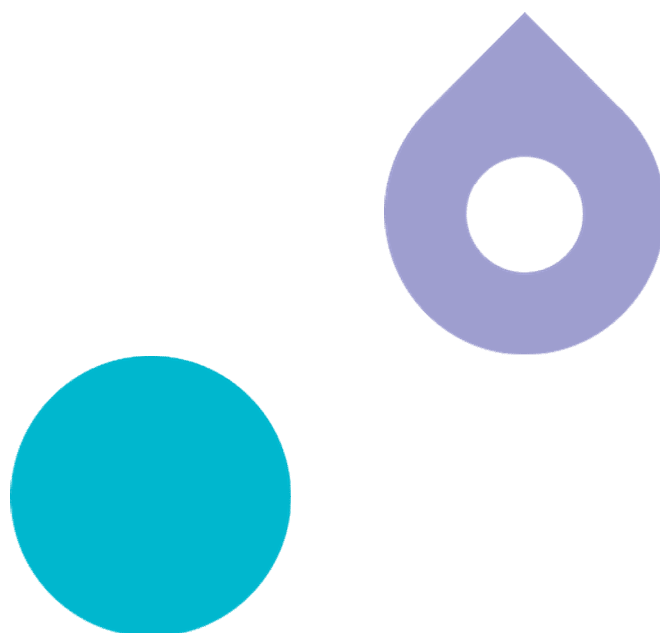




Decisions Report: 50% detailed design

Refresh Vacluse and Diamond Bay Project



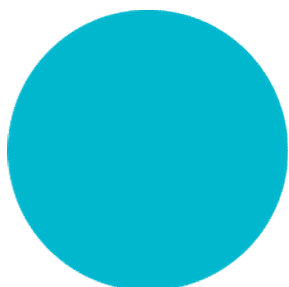




Table of contents

1	Introduction	3
1.1	Purpose of this report	4
1.2	Scope of the project	4
2	Consultation	5
2.1	Geotechnical investigations	5
2.2	Design consultation	5
3	Project changes from concept design	6
3.1	Changes to Parsley Bay wastewater pump station	6
3.2	Changes to Eastern Reserve wastewater pump station.....	6
3.3	Changes to Rose Bay	6
4	Submissions	8
4.1	Number of submissions and comments	8
4.2	Eastern Reserve.....	8
4.3	Parsley Bay	18
4.4	Rose Bay.....	22
4.5	Overall project.....	23
5	Consideration of submissions	24
5.1	Eastern Reserve and Dover Heights.....	24
5.1.1	Social and Visual	24
5.1.2	Infrastructure.....	32
5.1.3	Scope of work	34
5.1.4	Air quality and odour	36
5.1.5	Noise and vibrations	36
5.1.6	Environmental performance and compliance	38
5.1.7	Consultation	39
5.2	Parsley Bay	42
5.2.1	Social and visual	42
5.2.2	Infrastructure.....	44
5.2.3	Scope of work	44
5.2.4	Amenities Block	46
5.2.5	Environmental performance and compliance	47
5.2.6	Noise, vibration and odour.....	49
5.3	Rose Bay.....	50
5.4	Overall project.....	52
6	Conclusion.....	54
7	Next steps	55
	Appendix – Submissions received	56



1 Introduction

Three ocean outfalls on the Vaucluse peninsula remain as the only outfalls on the NSW coast that continue to discharge untreated wastewater into the ocean. The ocean outfall located at Vaucluse has been in operation since 1918, and the outfalls at Diamond Bay and Dover Heights have been in operation since the 1930s.

In 2016, the EPA issued a Pollution Reduction Program requiring Sydney Water assess the level of risk to the environment and public health posed by these outfalls. In response to the findings of the pollution study, Sydney Water initiated the “Refresh Vaucluse and Diamond Bay” project in March 2018. This work culminated in the NSW Government announcing its commitment to Sydney Water’s proposed solution to stop the continuous flow of untreated wastewater from the last three ocean outfalls in Sydney in November 2018.

The proposed solution involves transferring wastewater flows from the existing ocean outfalls to the Bondi Resource Recovery Facility (WRRF). This would be achieved by constructing and operating two new wastewater pumping stations, new wastewater pipelines and ancillary infrastructure in the Vaucluse and Diamond Bay areas to divert flows away from the ocean and send it to the Bondi WRRF.

The principal objectives of the proposal are to protect public health and the environment. Once operational, the proposal would significantly reduce pollution to the environment by putting an end to the continuous discharge of untreated wastewater from the three ocean outfalls.

We prepared a Review of Environmental Factors (REF) for the project in June 2020 based on the concept design. We exhibited the REF from 8 June 2020 to 28 June 2020 where state government, local government, community members and other interested stakeholders were invited to comment on the project. We received 33 submissions raising 147 comments about each of the aspects addressed in the REF, such as noise and vibration, odour, flora and fauna and visual impacts. We developed a Decisions Report and published it in November 2020, responding to the submissions received.

In September 2021, we partnered with Comdain Infrastructure and WSP for the design of the Refresh Vaucluse and Diamond Bay Project. Since then, we investigated several project locations, to help identify the location of utilities and collect geotechnical data about the area. We have been working closely with Councils, residents and the community to further develop the detailed design.

In April 2022, we distributed a newsletter to Vaucluse, Dover Heights and Rose Bay areas to provide the community with an update on the progress of the project and to present our 50% design for feedback. We invited the community to provide feedback and comments on the design through surveys, email submissions and an online Q&A webinar. We received 32 written submissions, 50 questions in the webinar and 42 survey responses, raising 216 comments on the project. This report responds to the submissions and comments received and addresses why they can or cannot be incorporated in the next phase of the design.



1.1 Purpose of this report

The Decisions Report:

- considers the comments raised in the submissions, surveys and workshop
- identifies any changes to the project that have resulted from the consideration of the submissions or subsequent planning
- answers questions and concerns raised during consultation
- analyses the results from the online surveys and community preferences

1.2 Scope of the project

The project, as described in the REF, involves reducing the continuous flow of untreated wastewater entering the environment by diverting the wastewater flows from the three ocean outfalls in Vacluse, Diamond Bay and Dover Heights to the Bondi WRRF.

In summary, the REF described the scope of works as:

- the transfer of dry weather wastewater flow from the outfalls to Bondi WRRF.
- the construction of two new wastewater pumping stations, one at Parsley Bay and one at Eastern Avenue Reserve
- the construction of a new 1.8km wastewater pipeline from Parsley Bay to Carlisle Street, at a depth of up to 60 m
- the construction of wastewater infrastructure, including pipes, maintenance holes and ventilation shafts in Vacluse, Diamond Bay, Dover Heights and Rose Bay.

To meet the growing water services demands of the area and to meet license conditions, we will increase the capacity of the wastewater system even further. The following additional scope of works include:

- construction of new wastewater pipelines along Spencer Street, Old South Head Road and Mitchell Road, Rose Bay
- upgrading the existing emergency relief structure in Ian Street.



2 Consultation

Sydney Water is committed to ensuring that all information regarding the Refresh Vacluse and Diamond Bay project is clear, accurate and timely.

The following sections describe the consultation completed since the last update in the 2020 Decisions Report and proposed future consultation.

2.1 Geotechnical investigations

Between November 2021 to May 2022, site investigations were conducted at several project locations in Vacluse, Dover Heights and Rose Bay, to help identify the location of utilities, groundwater data collection, check asset conditions and collect geotechnical data about the area. Notifications were distributed to surrounding residents to introduce our new delivery partners and 170 door knocks were completed.

2.2 Design consultation

From January 2021, consultation with Councils, directly impacted residents, the Community Reference Group (CRG) and community groups including Parsley Bay Bushcare and Dover Heights Precinct Committee were completed to further develop the detailed design. Following consultation, changes were made to the proposed design before presenting it to the wider community for feedback.

In April 2022, a newsletter was distributed to approximately 11,000 residents and businesses in Vacluse, Rose Bay and Dover Heights to provide residents with an update on the progress of the project and present the 50% proposed design for comments and feedback. The community were invited to provide feedback on the design through surveys, via the Sydney Water Talk website, email submissions and an online Q&A webinar.

The online Q&A webinar was held on Wednesday, 27 April 2022 between 5-7pm. A total of 46 people registered for the Q&A webinar, with 32 people attending, raising 50 questions and comments. The session introduced the Sydney Water, Comdain Infrastructure and WSP project teams, provided a project overview and presented the proposed design. Participants were encouraged to ask the team questions and outline any concerns and were able to enter questions through the chat function throughout the presentation. Written and verbal questions were answered at the end of the presentation.

Overall, we received 32 email submissions and 42 survey responses to the design. We completed 199 door knocks in Parsley Bay, Dover Heights and Rose Bay, encouraging resident participation in providing feedback. Overall, we received 216 questions and comments on the design.



3 Project changes from concept design

Since the concept design was presented, we have engaged our delivery partners to progress to the detailed design phase. During the detailed design phase, the concept design is being developed into working drawings and specifications suitable for construction and future operational purposes.

The below address the changes from the concept design to the presented 50% detailed design.

3.1 Changes to Parsley Bay wastewater pump station

Following multiple site investigations in the last six months, we have added some more details for the Parsley Bay Pump station design and surrounds including the storm water pit and additional information about the pipeline. Due to the declining condition, we will also replace the existing vent shaft at Parsley Bay car park, with a new vent shaft in a different location

The overall appearance and location of the pump station has not changed.

3.2 Changes to Eastern Reserve wastewater pump station

In December 2021, we investigated sites on Eastern Avenue to help identify the location of utilities to progress the design of the project. Following these investigations, we have updated the concept design for the Eastern Reserve pump station to include:

- installation of a retaining wall as the pump station area needs a flat area for maintenance vehicles to access the pump station safely
- installation of light poles for night maintenance works or emergency requirements
- installation of bollards and a crash barrier to protect the new pump station from vehicle damage
- installation of above ground turrets to safely house and connect instrumentation and pumps and provide access for maintenance.
- removal of the picket fence to accommodate new pump station assets
- hard surfaces to provide access for operations and maintenance vehicles

To optimise the design of the pump station we've changed the location of the vent shaft, emergency storage, electrical kiosk and reduced pressure zone (RPZ) device which stops water back flow.

3.3 Changes to Rose Bay

A number of changes have been made to meet the growing water services demands of Rose Bay and surrounds which include construction of new wastewater pipelines along Spencer Street, Old South Head Road and Mitchell Road, Rose Bay, and upgrading the existing emergency relief structure in Ian Street.



4 Submissions

This section summarises the submissions received, in response to the 50% detailed design.

4.1 Number of submissions and comments

All written correspondence and feedback received via emails, the Sydney Water Talk website, surveys and the online Q&A webinar were treated as submissions. From this, a total of 124 submissions were received including 42 survey responses, 50 questions from the Q&A webinar and 32 email submissions. From the submissions, there were 216 comments that have been addressed in this Decision Report.

An analysis of the comments identified the following topic categories:

- social and visual impacts
- infrastructure
- scope of work
- air quality and odour
- noise and vibration
- environmental performance and compliance
- consultation
- amenities block (Parsley Bay)

Each work site has been assessed and categorised below.

4.2 Eastern Reserve


No.	Suggestion/ question/ comment	Submission/ agency
<u>Social and visual</u>		Section 5.1.1
1	Suggestion for elements to be introduced to blend and prevent being invasive.	Eastern Reserve email #1
2	Suggestion for the design elements to be similar with elements in the area. For example, the sandstone steps at the end of Bulga Ave.	Eastern Reserve email #2
3	Concerns of foreign elements in the reserve that will attract more visitors.	Eastern Reserve email #2
4	Suggestion to smooth out the levels either side of the pump station so that the turfed areas north and south of the pump station do not fall before they rise to meet existing levels.	Survey response #2



5	Suggestion for Eastern Reserve to be upgraded with level turf, a pathway, new landscaping, fencing and other improvements, in conjunction with Council.	Survey response #2
6	Suggestion to landscape the whole strip of land from Eastern Avenue to Oceanview Avenue with native garden beds, natural stone walkway and bench seats.	Survey response #21
7	Suggestion to make it blend into the environment.	Survey response #22
8	Request to investigate opportunities to recreate the pump station space as a pedestrian arrival experience to the reserve and coastal walk through pavement treatments, seating opportunities and signage.	Waverley Council
9	Suggestion to install a general waste bin	Survey response #29
10	Suggestion to use mesh like blocks that can sit on top of the packed grass.	Eastern Reserve email #1 Survey Response #16
11	Suggestion to naturally pack down the ground enough to support maintenance trucks and keep the grass.	Eastern Reserve email #1
12	Suggestion to use a high quality stone hard stand.	Eastern Reserve email #2
13	Suggestion to review road base material and use gravel or similar.	Eastern Reserve email #3
14	Suggestion to use geo grid grass and retain the existing grass.	Eastern Reserve email #5 Eastern Reserve email #7 Eastern Reserve email #9 Eastern Reserve email #12 Eastern Reserve email #4 Eastern Reserve email #5 Eastern Reserve email #8 Survey response #20
15	Comments that there is too much concrete.	Eastern Reserve email #10
16	Suggestion for the ground surface to be as similar to the colour of grass as possible to blend in with the existing environment.	Eastern Reserve email #8
17	Suggestion for trucks to turn and stop in the street so no turning circle will be required, similar to garbage trucks and construction vehicles.	Eastern Reserve email #14
18	Suggestion to keep the grass area to look natural so the reserve can be preserved and not use overly concrete and asphalt.	Survey response #11



19	Suggestion to have less hard surfaces at the end of Eastern Avenue.	Webinar
20	Query for the need for a turning circle.	Webinar
21	Request to investigate alternative options to provide trafficable lids and pit covers to underground tanks and consolidate these within part of the hammerhead hardstand turning bay.	Waverley Council
22	Requests to investigate options to reduce the scale of the hammerhead hardstand turning bay.	Waverley Council
23	Requests to investigate options to reduce the amount of hardstand area by installing areas of reinforced turf.	Waverley Council
24	Request to investigate options to steepen the driveway access to reduce the relative level of the hammerhead with the aim of reducing the overall height of downslope retaining walls and need for additional fill and load on the slope.	Waverley Council
25	Suggestion for the width of the Reserve to be retained as much as possible	Eastern Reserve email #2 Eastern Reserve email #5 Eastern Reserve email #7 Eastern Reserve email #9
26	Query as to where residents would congregate for community functions.	Webinar
27	Suggestion to move the pump station closer to Eastern Avenue.	Eastern Reserve email #2 Eastern Reserve email #12
28	Suggestion for the development to be as minimal as possible.	Eastern Reserve email #8
29	Concern regarding the retaining wall reducing recreational space.	Eastern Reserve email #10
30	Suggestion to extend the south end retaining wall and blend it seamlessly where the existing hill side meets the newly created space behind the retaining wall.	Survey response #21
31	Suggestion to blend the 'filled' landform over the functional substructure seamlessly into the adjacent grass slopes, including the fence on top of the retaining wall.	Survey response #24
32	Suggestion to make it less obtrusive	Survey response #25
33	Suggestion to make it more environmentally friendly taking less space from the reserve.	Survey response #27
34	Suggestion to make it less obvious	Survey response # 28



35	Request to investigate alternative options to configure underground infrastructure to consolidated tanks and pits as close together as practical to reduce the overall underground footprint.	Waverley Council
36	Request to investigate alternative options to configure underground infrastructure to move tanks upslope into the road reserve.	Waverley Council
37	Suggestion to use composite wood in white, similar to existing fencing with reflective elements as required, alternatively green.	Eastern Reserve email #1
38	Comments that there are too many bollards and expressed dissatisfaction with bright yellow.	Eastern Reserve email #2 Eastern Reserve email #10
39	Suggestion to remove bollards from the design.	Eastern Reserve email #2 Eastern Reserve email #3
40	Suggestion to use the same bollards as the ones at Bulga Road that are dark grey that can be bent down.	Eastern Reserve email #4 Eastern Reserve email #7 Eastern Reserve email #8 Eastern Reserve email #9 Eastern Reserve email #12
41	Suggestion to use stainless steel 2205 bollards that can be bent down.	Eastern Reserve email #5 Eastern Reserve email #6 Eastern Reserve email #12 Survey response #20
42	Concern that there are too many poles.	Eastern Reserve email #10
43	Suggestion to reduce the number of bollards as much as possible.	Eastern Reserve email #8
44	Suggestion for bollards inside the reserve to be pop up or retractable for when required.	Eastern Reserve email #7 Eastern Reserve email #12 Survey response #20
45	Suggestion for the bollards to be hardwood.	Survey response #2
46	Comment dissatisfaction with the yellow bollards.	Survey response #4 Survey response #15
47	Suggestion for bollards to be the same material as the retaining wall.	Survey response #7



48	Suggestion to use sandstone bollards or creatively designed metalwork to integrate all visible aspects.	Survey response #24
49	Query as to why the bollards are necessary.	Webinar
50	Suggestion to remove yellow bollards as the sandstone blocks will be enough.	Survey response #32
51	Suggestion to reduce the requirements for the number of vehicle bollards protecting tanks by providing trafficable lids and pit covers to underground tanks.	Waverley Council
52	Suggestion to reduce the visual impact of vehicle bollards by utilising Council's PDTM Recycled Bollards. This will also provide a consistent language of bollard design which has already been adopted at other entrances to the reserve.	Waverley Council
53	Suggestion to remove sandstone blocks or reduce the number of blocks due to the restricted width of the reserve.	Eastern Reserve email #2
54	Suggestion to remove sandstone blocks from the design.	Eastern Reserve email #4 Eastern Reserve email #5 Eastern Reserve email #7 Eastern Reserve email #9 Eastern Reserve email #12 Survey response #20
55	Suggestion for blocks to be carefully sized and suitable for seating.	Eastern Reserve email #8
56	Suggestion for retaining blocks to incorporate better seating.	Survey response #6
57	Query as to why there are clunky blocks as there is nothing there currently. Comments that bollards should suffice.	Survey response #14
58	Suggestion for coastal fence to be 2205 stainless steel with composite brown wood panels.	Eastern Reserve email #12
59	Suggestion for fencing around the pump station to be hardwood and have architectural integrity.	Survey response #2
60	Suggestion for a fence to be installed near the road for safety.	Survey response #3 Survey response #12
61	Suggestion for the white picket fence to be retained.	Survey response #4 Webinar
62	Suggestion to install a dog friendly fence along the reserve.	Survey response #9



63	Suggestion for the fence on top of the retaining wall to transition between the existing horizontal/ low curving fences to visually integrate the whole.	Survey response #24
64	Suggestion to blend the fence above the drain into the rest of the fencing either side of it as it's too obviously different.	Survey response #30
65	Suggestion to replace the white picket fence at the end of the road.	Webinar
66	Suggestion to use only local species for landscaping.	Eastern Reserve email #1
67	Suggestion to take into consideration projects run by Waverley Council for vegetation planting of the reserve and biodiversity.	Eastern Reserve email #3 Survey response #32
68	Suggestion to not add more plantings.	Eastern Reserve email #4 Eastern Reserve email #8 Eastern Reserve email #9 Eastern Reserve email #12 Survey response #20
69	Concern for planting to block cliff views.	Eastern Reserve email #5
70	Suggestion for plants to be a maximum mature height of 1-1.25 metres.	Eastern Reserve email #6
71	Suggestion to add additional garden bed in front of the fence, along the turf to match the surrounding.	Survey response #19
72	Suggestion to add landscaping and screening around the substation and turrets.	Survey response #2
73	Suggestion to add more shrubs, bushes and trees to allow infrastructure to blend in.	Survey response #32
74	Request to investigate locations for additional screening vegetation to residential side.	Waverley Council
75	Suggestion to obtain a landscaper or public domain designer involved in the design.	Survey response #2
76	Suggestion to consider a design concept prepared by landscape architects or urban designers with engagement of a public artist.	Survey response #24
77	Suggestion for the pump station to be moved towards Bulga Road or Oceanview Avenue in unused open areas between the streets.	Eastern Reserve email #10
78	Suggestion for the pump station to be moved closer to the street.	Eastern Reserve email #13
79	Suggestion to change location of the pump station and consider another solution.	Eastern Reserve email #21



80	Question regarding who owns the Eastern Reserve and if it is community or operational land.	Eastern Reserve email #22
81	Suggestion to relocate the sewage pump station.	Survey Response #27 Survey response #26 Survey response #28 Webinar
82	Query regarding the reason why the pump station is located on Eastern Reserve.	Webinar
83	Question to what other locations were considered for the pump station.	Webinar
84	Question regarding the feasibility to move the pump station elsewhere.	Webinar
85	Question as to who decides the location of the pump station.	Webinar
86	Query as to what other options and considerations were taken onboard for location of Eastern Reserve.	Webinar
87	Suggestion to use the roadway for the pump station.	Webinar
88	Suggestion to move the pump station further to the left or right.	Webinar
89	Concerns regarding loss of parking spaces at Eastern Avenue.	Webinar
90	Concern regarding the loss of natural local environment space.	Eastern Reserve email #19
91	Suggestion for part of the park for off leash for dogs and for a more dog friendly space.	Survey Response #3 Survey Response #9
92	Query regarding compensation to homeowners which will be affected by property value drop.	Survey response #22

Infrastructure

Section 5.1.2

93	Question as to what technology will be used for the passive filter.	Webinar
94	Suggestion for materials used at the pump station to be of the toughest weather resistance that will meet Council requirements.	Eastern Reserve email #1
95	Comments it looks very messy and industrial with too much concrete, too many poles, turrets, vents, lights, service boxes and sandstone blocks and suggestion to reduce everything.	Survey response #31
96	Suggestion to use 2205 Stainless steel where needed.	Eastern Reserve email #4 Eastern Reserve email #6 Eastern Reserve email #8



97	Suggestion to use 2205 stainless steel rather than 316 steel to avoid corrosion.	Eastern Reserve email #5 Eastern Reserve email #7 Eastern Reserve email #9 Survey response #20
98	Concern for equipment materials being in a corrosive environment.	Eastern Reserve email #15
99	Question if the vent stack has a solar panel as previously shown in the concept design.	Eastern Reserve email #18 Webinar
100	Suggestion for the above ground structures to be kept to the barest minimum.	Eastern Reserve email #2
101	Suggestion to paint the turrets dark green with 2205 grade stainless steel.	Eastern Reserve email #4 Eastern Reserve email #5 Eastern Reserve email #7 Eastern Reserve email #9 Eastern Reserve email #12
102	Suggestion to paint all above ground infrastructure dark green.	Eastern Reserve email #6
103	Suggestion for vent shaft and light pole to be next to each other.	Survey response #8
104	Suggestion for mechanical necessities being less visually invasive.	Survey response #10
105	Suggestion to not add any other structures as there's already too much and loss of natural grass area.	Survey response #31
106	Suggestion to remove electrical kiosk, 18m ventilation shaft, bollards, crash barrier, turning circle, turrets, emergency storage, hardstand and retaining wall and build it all underground. Comments the installation should be contained underground, leaving the area without evidence of change.	Survey response #18
107	Confirm requirements for lighting and investigate opportunity to decommission Ausgrid light and power pole located in the reserve.	Waverley Council
108	Query as to why an 18m pole is needed.	Webinar
109	Suggestion to minimise the structures and put as much underground as possible.	Survey response #31
110	Request to investigate options to provide a stepped retaining wall behind the electrical cabinet with fall heights no greater than 900mm with planting beds between each level with the intention of removing the fall arrest balustrade requirement and introducing vegetation to soften the visual impact of retaining walls and provide additional screen from adjoining residential properties.	Waverley Council



111	Concern regarding guy wire security required for the vent stack.	Eastern Reserve email #20
-----	--	---------------------------

112	Suggestion to move the 18m vent stack closer to the cliff.	Webinar
-----	--	---------

<u>Scope of work</u>	Section 5.1.3
-----------------------------	----------------------

113	Concern regarding the cliff face due to the recent collapse from wet weather.	Eastern Reserve email #15
-----	---	---------------------------

114	Question as to how often the carbon filters need to be changed.	Webinar
-----	---	---------

115	Comment to not proceed with this project as it is negatively affecting the quality of life for both residents and the public using the reserve.	Survey response #28
-----	---	---------------------

116	Suggestion to not build the pump station.	Survey response #25
-----	---	---------------------

117	Suggestion for the project to include burying the power lines on Eastern Avenue and Oceanview Avenue.	Survey response #8
-----	---	--------------------

118	Concern for the underground caverns and cliff face and impact of the work on stability of the cliff.	Eastern Reserve email #10
-----	--	---------------------------

119	Concern regarding the cliff terrain and destabilisation and damages to cliff.	Eastern Reserve email #19
-----	---	---------------------------

120	Request for results of geophysical testing of the area and cliff to be made public.	Eastern Reserve email #19
-----	---	---------------------------

121	Question as to why the outfalls to the sea can not continue.	Webinar
-----	--	---------

122	Query regarding what infrastructure will be at the end of Oceanview Avenue.	Webinar
-----	---	---------

123	Question on how much open trench is required on Oceanview Avenue.	Webinar
-----	---	---------

124	Question as to what horizontal distance will be achieved under gravity flow per meter of depth.	Webinar
-----	---	---------

125	Query as to when the system will become operational.	Webinar
-----	--	---------

126	Question regarding the completion date of the project.	Eastern Reserve email #17
-----	--	---------------------------

<u>Air quality and odour</u>	Section 5.1.4
-------------------------------------	----------------------

127	Concerns regarding the 18m vent shaft as it will redirect present situation of producing fumes to one that will.	Webinar
-----	--	---------

128	Concern regarding odour from the vent stack.	Eastern Reserve email #10 Eastern Reserve email #15
-----	--	--

129	Concern regarding odour	Survey response #17
-----	-------------------------	---------------------

130	Concern regarding smell from stink pipe and potential for air pollution.	Survey response #22
-----	--	---------------------



131	Suggestion to move the stink pole so it won't cause air pollution to local residents and people enjoying the reserve.	Survey response #26
132	Question regarding odour and if it will be similar to Bondi Treatment Plant.	Webinar
133	Requests information regarding venting noxious odours.	Webinar
134	Question as to how often the carbon filters need to be changed.	Webinar
<u>Noise and vibration</u>		Section 5.1.5
135	Question if vibration measurements will be incorporated into dilapidation surveys.	Webinar
136	Questions as to what mitigation will take place to minimise noise and vibration during construction.	Webinar
137	Query regarding payment for damages created by the drilling of the ground and noise pollution.	Survey response #22
138	Concern regarding the operational noise of the pump station.	Eastern Reserve email #10
<u>Environmental performance and compliance</u>		Section 5.1.6
139	Query as to why an environmental impact statement is not required.	Eastern Reserve email #20 Eastern Reserve email #21 Eastern Reserve email #22
140	Query if the work will affect the underground water flow which already causes damage to homes and if it will be redirecting the water flow.	Survey response #22
141	Requests for geotechnical survey and LIDAR.	Webinar
142	Question if the ocean outfall will still occur in wet weather.	Webinar
143	Question to when the REF addendum will be made available to the public.	Webinar
144	Query regarding the Bondi WRRF and if it can withstand the planned extra demand. Request to obtain documentation regarding the Bondi WRRF capacity.	Eastern Reserve email #20 Webinar
<u>Consultation</u>		Section 5.1.7
145	Concern regarding the drastic differences between the concept design and the new proposed design and the lack of consultation and transparency.	Eastern Reserve email #1 Eastern Reserve email #7 Eastern Reserve email #9 Eastern Reserve email #10 Eastern Reserve email #13

Eastern Reserve email #20

Eastern Reserve email #21

146	Question regarding why the current design is different from the design from the decisions report for Eastern Reserve.	Webinar
147	Suggestion for the design to look as close as possible to the concept design.	Eastern Reserve email #12
148	Comment regarding the difference from the concept design to the proposed detailed design being not acceptable with additions of the turning circle, metal bollards, more metal boxes and an 18-metre odour vent.	Eastern Reserve email #20
149	Concerns with the lack of engagement between the previously presented concept design to the proposed design with major changes only being revealed to the community in later stages.	Eastern Reserve email #15
150	Concerns regarding selective consultation throughout the design.	Eastern Reserve email #15
151	Concerns regarding the lack of consultation for the design and requests proof of engagement until now.	Eastern Reserve email #19
152	Comment that the survey provides community with options for details of the pump station rather than coming to a consensus with community options considered.	Survey response #16
153	Comment that this project will visually ruin this unspoiled part of the coastline and comments not recalling being made aware that this was going to happen when this project first started.	Survey response #30
154	Question regarding the need for a new decisions report incorporating design changes.	Webinar
155	Question regarding the CRG and if there are members of the group residing in Eastern Avenue.	Webinar
156	Query as to if the CRG members have seen the updated design.	Webinar
157	Request to provide interpretative educational signage about the pump station to explain its function and environmental benefits.	Waverley Council

4.3 Parsley Bay

No.	Suggestion/ question/ comment	Submission/ agency
<u>Social and visual</u>		Section 5.2.1



158	Concerns regarding the aesthetics of the pump station. Suggestion of incorporating sympathetic planting and landscaping.	Survey response #34
159	Suggestion of the use of local artists to paint walls to improve aesthetics and decrease visual impact.	Survey response #39
160	Concerns of the visibility of turrets. Suggestion of constructing a tall wall which blends into the surroundings.	Survey response #35
161	Comments concerns for the aesthetic of the pump station. Suggests maximum concealment of pump station.	Survey response #37
162	Suggestion to install a gate at proposed stairs of pump station for security and public deterrent.	Parsley Bay email #1
163	Query to the type of surface proposed for area above stairs, will it be sufficient to deter children from playing in the elevated area.	Parsley Bay email #1
164	Suggestion to install additional path area behind existing toilet clock to replace existing path access.	Parsley Bay email #1
165	Concerns regarding access to Parsley Bay Beach.	Survey response #36
166	Query as to how many parking spots will be lost.	Eastern Reserve email #18
167	Suggestion of discussing with council to reinstate garbage bin somewhere between the wharf area benches and swimming stairs.	Parsley Bay email #1
168	Suggestion for no parking signs to be placed on Parsley Road, or residents on signs.	Parsley Bay email #1
169	Concerns regarding access to Parsley Road.	Parsley Bay email #3
170	Concerns regarding parking availability for residents and visitors on Parsley Road.	Parsley Bay email #3
171	Concerns regarding power outages, throughout construction.	Parsley Bay email #3
172	Query regarding the length of rising main from Parsley Bay that will remain full at all times.	Webinar
<u>Infrastructure</u>		Section 5.2.2
173	Question to why Parsley Bay does not have an 18m odour vent.	Webinar
174	Query if passive filter to remove odour works by adsorption or absorption and how often filter will need to be serviced/replaced.	Eastern Reserve email #18
175	Suggestion to move existing vent stack closer to the carpark area.	Woollahra Council

176	Query to why vent stack is being moved from its current position.	Parsley Bay email #2
-----	---	----------------------

Scope of work**Section 5.2.3**

177	Concerns regarding stormwater drainage. Request for consideration in design by Council's Bushland Team Leader.	Woollahra Council
-----	--	-------------------

178	Request investigation to be conducted by Sydney Water regarding several sewer manholes overflowing during floods, to improve water quality in Catchment.	Woollahra Council
-----	--	-------------------

179	Request for electrical contractor to provide electrical work drawings for Council comments and observations.	Woollahra Council
-----	--	-------------------

180	Request that the main line and private stormwater pipes to kerb face under Horler Avenue must be preserved and protected during LV electrical below ground works and during mobilisation of heavy equipment down the street	Woollahra Council
-----	---	-------------------

181	Suggestions for HDD technique to be used at Parsley Bay reserve under nature strip area for LV electrical cable laying activity as opposed to open excavation under Parsley Road.	Woollahra Council
-----	---	-------------------

182	Request to prepare dilapidation report for road reserve through the entire route from New South Head Road to the Site covering all features including but not limited to traffic devices; survey markers; footpaths; road pavements etc.	Woollahra Council
-----	--	-------------------

183	Request for Sydney Water to provide load configurations and commentary from heavy load haulers for Council Engineer's commentary prior to moving these loads via local road network. It is proposed to interfere with Street Lights in Horler Ave, these must be presented to Council for comments even though they are temporary relocations.	Woollahra Council
-----	---	-------------------

184	Request for information on how path on northeast side of creek will be managed as this is the area where tunnelling will surface and will be impassable while drilling. Will there be public access on weekends or will area need to be closed to walkers.	Woollahra Council
-----	--	-------------------

185	Request carpark for reinstated post-construction and analysis of space to be undertaken to ensure parking loss is minimised. Request Council consultation on proposed layout.	Woollahra Council
-----	---	-------------------

186	Request for the possibility of increasing parking spaces with re-design.	Woollahra Council
-----	--	-------------------

187	Request confirmation that any works undertaken on Council roads, including footpaths, kerb and gutter, are to be restored to their original condition.	Woollahra Council
-----	--	-------------------

188	Request for crushed sandstone to be used for surface treatment instead of gravel, to ensure correct pH.	Woollahra Council
-----	---	-------------------

Amenities block

Section 5.2.4

189	Query regarding the reason for 4 toilet facilities for women but 5 toilets for men.	Survey response #37
-----	---	---------------------

190	Question if caretaker's cottage is still in good condition.	Webinar
-----	---	---------

191	Understood that rainwater tanks attached to existing amenities block to be incorporated into the design of the new amenities area and plumbed to provide water to the toilets.	Woollahra Council
-----	--	-------------------

192	Has been discussed with Sydney War and architects that a new sandstone storage area will be built with electricity and water accessed for use by Council parks team and Bushcare group. Storage to be located near existing pump shed.	Woollahra Council
-----	--	-------------------

Environmental performance and compliance

Section 5.2.5

193	Request for timing of removal of boulders at Parsley Bay to take place when water dragons are mobile and active, not hibernating over winter.	Woollahra Council
-----	---	-------------------

194	Request that on-site liaising continues with Council's Bushland Team Leader, Margaret Lai regarding the locations of threatened species to ensure they are not impacted during construction.	Woollahra Council
-----	--	-------------------

195	Request to ensure threatened species of plants such as Szygium paniculatum (Magenta Cherry) and Acacia terminalis subs are not damaged. Ensure to liaise with Margaret Lai on site regarding exact locations of plants.	Woollahra Council
-----	---	-------------------

196	Concerns regarding impact of works on north-eastern side of Parsley Bay creek as area is known roosting habitat for the threatened Powerful Owl. Requests for minimal disturbance to the sensitive bushland and creek line area.	Woollahra Council
-----	--	-------------------

197	Concerns regarding the location and tunnel depth under the creek regarding potential for long term subsidence and impact on the nearby large Eucalyptus robusta. Ensure tree roots are located with hand tools and water blaster before tunnelling near Eucalyptus robusta. An arborist should be engaged for advice.	Woollahra Council
-----	---	-------------------

198	Request sediment traps and no impacts on eel and <i>Galaxia maculatus</i> mitigation.	Woollahra Council
-----	---	-------------------

199	Garden bed outside of the caretaker's cottage contains healthy specimen of <i>Acacia termanalis</i> Eastern Sydney and should not be disturbed.	Woollahra Council
-----	---	-------------------

Noise, vibration and odour

Section 5.2.6

200	Concerns of the effect of drilling and vibrations.	Parsley Bay email #3
-----	--	----------------------

201	Query to the extent of vibration monitoring that will take place and access to vibration documents/readings.	Parsley Bay email #3
-----	--	----------------------

202	Query on noise, vibrations, odour and run-off mitigation.	Parsley Bay email #3
-----	---	----------------------

4.4 Rose Bay

No.	Suggestion/ question/ comment	Submission/ agency
-----	-------------------------------	--------------------

Section 5.3

203	Query regarding reason for new pipeline on Carlisle Street, as opposed to New South Head Road.	Survey response #40
-----	--	---------------------

204	Concerns regarding Traffic Management on Carlisle Street.	Webinar
-----	---	---------

205	Query if trenchless technology will be used on Carlisle Street.	Webinar
-----	---	---------

206	Query regarding why trenching method will be used on Carlisle Street.	Survey response #41
-----	---	---------------------

207	Question regarding the visual aesthetic and design of the ventilation shaft.	Survey response #41
-----	--	---------------------

208	Query regarding presence of odours from the vent stack.	Survey response #41
-----	---	---------------------

209	Request for Construction and Traffic Management Plan (CTMP) to be provided. Document to outline the nature of the construction project in terms of stages of work, vehicles to be used, number of vehicles accessing site, size and types of vehicles to be used and routes that will be taken.	Woollahra Council
-----	---	-------------------

Note CTMP must make provision for all materials, plant etc to be stored on site at all times during construction.

4.5 Overall project

No.	Suggestion/ question/ comment	Submission/ agency
Section 5.4		
210	Suggestion that the project be split into two separate projects - Parsley Bay and Dover Heights.	Eastern Reserve email #17
211	Comment regarding the newsletter being distributed in April during Easter holidays when residents are busy and may not take note of the document. Question if this was intended to have the maximum or minimum number of customers read the document.	Eastern Reserve email #18
212	Concern regarding timing of construction and differing timeframes stated in previous notifications and newsletters demonstrating the project is further delayed.	Eastern Reserve email #18
213	Comment that recent newsletters have failed to provide any construction and completion dates for the project.	Eastern Reserve email #18
214	Query on project time frame.	Parsley Bay email #3
215	Question regarding the QR codes in the newsletter and reasoning as Sydney Water should have already built up a large mailing list of people interested in the project.	Eastern Reserve email #18
216	Query on the role of Comdain Infrastructure throughout the duration of the project, if Comdain Infrastructure is aware of project's previous documentation, and familiarity of site and surrounding roads.	Eastern Reserve email #16

5 Consideration of submissions

This chapter addresses the comments raised in the submissions received. Each submission was reviewed, and specific concerns have been identified and grouped.

The concerns raised by submissions are presented in boxes and our response is provided below. The text from each submission has been paraphrased as per Tables in Section 4 above. If a submission raised several comments, only the relevant parts of the submission have been presented for each issue. A copy of all submissions is provided in Appendix A.

5.1 Eastern Reserve and Dover Heights

5.1.1 Social and Visual

Suggestion for elements introduced to blend and prevent being invasive.

Suggestion for the design elements to be similar with elements in the area. For example, the sandstone steps at the end of Bulga Ave.

Concerns of foreign elements in the reserve that will attract more visitors.

Suggestion to make it blend into the environment.

We are working with council and the community to identify opportunities to ensure the design harmonises with the surrounds and environment. We will engage a landscape architect to scope the landscaping works and collaborate with council to blend with the existing environment and reduce visual impacts.

Sandstone blocks were shown in two of our design options to suggest design elements similar with existing components in the area. Removal of the retention wall is currently pursued.

Suggestion to smooth out the levels either side of the pump station so that the turfed areas north and south of the pump station do not fall before they rise to meet existing levels.

Suggestion to extend the south end retaining wall and blend it seamlessly where the existing hill side meets the newly created space behind the retaining wall.

Suggestion to blend the 'filled' landform over the functional substructure seamlessly into the adjacent grass slopes, including the fence on top of the retaining wall.

We will implement gentle grades or slopes where possible to help minimise the visual impacts of the pump station.

Suggestion for Eastern Reserve to be upgraded with level turf, a pathway, new landscaping, fencing and other improvements, in conjunction with Council.

Suggestion to landscape the whole strip of land from Eastern Avenue to Oceanview Avenue with native garden beds, natural stone walkway and bench seats.

Request to investigate opportunities to recreate the pump station space as a pedestrian arrival experience to the reserve and coastal walk through pavement treatments, seating opportunities and signage.

Suggestion to install a general waste bin.

Council have plans to complete a project which includes a new pathway and other improvements. We will collaborate with council to blend the pump station with councils' projects and the surrounding environment.

Public facilities such as seating and water fountains are being considered and provided as options to include in the design.

Query for the need for a turning circle.

Suggestion to naturally pack down the ground enough to support maintenance trucks and keep the grass.

Suggestion to keep the grass area to look natural so the reserve can be preserved and not overly concrete and asphalt.

Suggestion to have less hard surfaces at the end of Eastern Avenue.

Comments that there is too much concrete.

Requests to investigate options to reduce the scale of the hammerhead hardstand turning bay.

Request to investigate alternative options to provide trafficable lids and pit covers to underground tanks and consolidate these within part of the hammerhead hardstand turning bay.

Requests to investigate options to reduce the amount of hardstand area by installing areas of reinforced turf.

Suggestion for trucks to turn and stop in the street so no turning circle will be required, similarly to garbage trucks and existing construction vehicles.

The turning circle is a standard requirement for Sydney Water pump stations and allows Sydney Water maintenance and operations trucks and vehicles access to the pump station.

Due to the heavy vehicles, cranes and trucks that are required for maintenance and operational purposes, a hard stand surface is required. We are exploring the option of utilising the cul-de-sac, road reserve and part of the reserve to bring the trucks and cranes to carry maintenance activities. We are currently reviewing the hard stand area requirements and will modify the design to minimise the hard stand area.

Query as to where residents would congregate for community functions.

The pump station will be located at Eastern Reserve. The open space on the sides of the pump station towards Oceanview Avenue and Bulga Road will remain available to the public.

Concerns regarding loss of parking spaces at Eastern Avenue.

Parking spaces along Eastern Avenue will not be impacted by the final design of the pump station. There will be some temporary impacts to traffic and parking during the construction phase. We will continue to engage the community and local residents as we progress and provide notice for any changes to traffic and parking.

Suggestion to use a high quality stone hard stand.

Suggestion to review road base material and use gravel or similar.

Suggestion for the ground surface to be similar to the colour of grass as possible to blend in with the existing environment.

Suggestion to use geo grid grass and retain the existing grass.

Suggestion to use mesh like blocks that can sit on top of the packed grass.

We are reviewing options and alternate treatments to reduce the appearance and size of the hard surfaces.

Due to the heavy vehicles, cranes and trucks that are required for maintenance and operational purposes, a hard stand surface is required. Geo grass and mesh blocks are not able to withstand the forces which will be exerted on the hard stand.

Request to investigate options to steepen the driveway access to reduce the relative level of the hammerhead with the aim of reducing the overall height of downslope retaining walls and need for additional fill and load on the slope.

Suggestion for the width of the Reserve to be retained as much as possible.

Suggestion for the development to be as minimal as possible.

Concern regarding the retaining wall reducing recreational space.


Suggestion to make it less obtrusive.

Suggestion to make it less obvious.

Suggestion to make it more environmentally friendly taking less space from the reserve.

Concern regarding the loss of natural local environment space.

Request to investigate alternative options to configure underground infrastructure to consolidated tanks and pits as close together as practical to reduce the overall underground footprint.



We will continue to investigate to reduce the overall size of the pump station footprint and continue to engage the community and Council as we progress the design.

Following community consultation, we conducted truck trials down Eastern Avenue to review the requirement of the turning circle. From this positive outcome, we are exploring to eliminate the turning circle and possibilities of using the existing road and road reserve.

We will continue to engage with residents and council regarding this and aim to minimise the footprint of the pump station as we develop the design.

Suggestion to change location of the pump station and consider another solution.

Suggestion to relocate the sewage pump station.

Query regarding the reason why the pump station is located on Eastern Reserve.

Question to what other locations were considered for the pump station.

Question regarding the feasibility to move the pump station elsewhere.

Query as to what other options and considerations were taken onboard for location of Eastern Reserve.

Query as to who decides the location of the pump station.

After over two years of extensive consultation with the Community Reference Group (CRG), Councils and the community, a preferred solution was identified, meeting Sydney Water's requirements and the community's needs. The community was not in favour of a new treatment plant in Vacluse, construction of tunnels and larger pipes due to the impacts on the community.

After considering several alternative options, Eastern Reserve was chosen as the location for a pump station as it allows Sydney Water to connect to the two existing ocean outfalls in one location, thereby significantly reducing construction and community impacts.

Several locations for the pump station at Eastern Reserve were considered during the planning phase of the project. The current location is the preferred location based on:

- the need to intercept the existing Diamond Bay ocean outfalls located at Diamond Bay and Eastern Reserve
- Eastern Reserve being the lowest point of the wastewater system which allows collection and transfer to the treatment system
- the need to construct on stable ground and avoid large caverns located under the cliff face along Eastern Reserve which were identified during the investigation phase of the project.

Suggestion for the pump station to be moved towards Bulga Road or Oceanview Avenue in unused open areas between the streets.

Suggestion to move the pump station further to the left or right.

Suggestion to move the pump station closer to Eastern Avenue.

The pump station is in the most optimal location given its proximity to the existing outfall. Moving the pump station towards Bulga Road or Oceanview Avenue would require a more complex and challenging pump station.

Suggestion for the pump station to be moved closer to the street.

Suggestion to use the road way for the pump station.

Suggestion to move the pump station closer to Eastern Avenue.

Request to investigate alternative options to configure underground infrastructure to move tanks upslope into the road reserve.

The roadway was considered as a possible site for the pump station storage however was rejected during the concept design phase due to:

- the need for the pump station to be installed on a flat surface
- significant impacts to the neighbouring properties during construction including vibrations, noise and close proximity to homes in the narrow street.

Comments that there are too many bollards and expressed dissatisfaction with bright yellow.

Concern that there are too many poles.

Comment dissatisfaction with the yellow bollards.

Suggestion to remove bollards from the design.

Suggestion to reduce the number of bollards as much as possible.

Query as to why the bollards are necessary.

Suggestion to remove yellow bollards as the sandstone blocks will be enough.

The bollards act as a barrier to prevent driving over the above ground infrastructure by any maintenance or operation vehicles. These pits are often deep and cause safety incidents if driven over. Following community consultation and feedback received, we are exploring options to minimise the number of bollards required or potentially to eliminate the bollards. We'll continue to keep the community updated as we progress the design.

Suggestion to use composite wood in white, similar to existing the fencing with reflective elements as required, alternatively green.

Suggestion to use the same bollards as the ones at Bulga Road that are dark grey that can be bent down.

Suggestion to use stainless steel 2205 bollards that can be bent down.

Suggestion for bollards inside the reserve to be pop up or retractable for when required.

Suggestion for the bollards to be hardwood.

Suggestion for bollards to be the same material as the retaining wall.

Suggestion to use sandstone bollards or creatively designed metalwork to integrate all visible aspects.

Suggestion to reduce the visual impact of vehicle bollards by utilising Council's PDTM Recycled Bollards. This will also provide a consistent language of bollard design which has already been adopted at other entrances to the reserve.

Suggestion to reduce the requirements for the number of vehicle bollards protecting tanks by providing trafficable lids and pit covers to underground tanks.

Following community consultation, we are reviewing the colour, type and number of bollards required at the pump station to reduce visual impacts whilst maintaining a safe and compliant site.


Suggestion to remove sandstone blocks or reduce the number of blocks due to the restricted width of the reserve.

Suggestion to remove sandstone blocks from the design.

Query as to why there are clunky blocks as there is nothing there currently. Comments that bollards should suffice.

Suggestion for blocks to be carefully sized and suitable for seating.

Suggestion for retaining blocks to incorporate better seating.



The sandstone blocks were included as a possible option in the design to act as a barrier for vehicles as well as seating options for the public. The sandstone blocks can be reduced or removed following further review, design optimisation and consultation with the council and the community.

Suggestion for coastal fence to be 2205 stainless steel with composite brown wood panels.

Suggestion for fencing around the pump station to be hardwood and have architectural integrity.

Suggestion for the fence on top of the retaining wall to transition between the existing horizontal/ low curving fences to visually integrate the whole.

Suggestion to blend the fence above the drain into the rest of the fencing either side of it as it's too obviously different.

With our new design, the coastal fence is not expected to be impacted by our work.

From community consultation, we have assessed that the community would prefer to have a fence

Suggestion for a fence to be installed near the road for safety.

Suggestion for the white picket fence to be retained.

Suggestion to replace the white picket fence at the end of the road.

Suggestion to install a dog friendly fence along the reserve.

along the front of the pump station across Eastern Avenue. We will investigate options regarding the fencing to either retain the existing white picket fence or replace it with a new fence and consult with the community and council regarding this.

Suggestion to use only local species for landscaping.

Suggestion to add additional garden bed in front of the fence, along the turf to match the surrounding.

Suggestion to add landscaping and screening around the substation and turrets.

Suggestion to add more shrubs, bushes and trees to allow infrastructure to blend in.


Request to investigate locations for additional screening vegetation to residential side.

Suggestion for plants to be a maximum mature height of 1-1.25 metres.

Suggestion to not add more plantings.

Concern for planting to block cliff views.

From community and stakeholder consultation, we have assessed that the community and impacted stakeholders would prefer to have landscaping around the pump station. We will review this component further and consult with the community and stakeholders to ensure the landscaping will be sympathetic to the local surrounds and blend with the environment.



Suggestion to take into consideration projects run by Waverley Council for vegetation planting of the reserve and biodiversity.

Suggestion to obtain a landscaper or public domain designer involved in the design.

Suggestion to consider a design concept prepared by landscape architects or urban designers with engagement of a public artist.

We are working collaboratively with Waverley Council in regard to landscaping and proposed projects at Eastern Reserve.

Question regarding who owns the Eastern Reserve and if it is community or operational land.

Eastern Reserve is currently Crown Land managed by Waverley Council.

Suggestion for part of the park for off leash for dogs and for a more dog friendly space.

We thank you for your suggestion. As Eastern Reserve is managed by Waverley Council, we are unable to determine this.

Query regarding compensation to homeowners which will be affected by property value drop.

Sydney Water will conduct dilapidation reports or preconstruction inspections surveys to record the condition of a property preconstruction. An independent inspector will photograph any current defects or cracks and the images are compared post inspection. If any damage happens at any stage, we will fix it. These reports protect you and protect your home because they record the condition of your home prior to the work being carried out and post work being carried out. The inspection is at no cost to the property owner.

5.1.2 Infrastructure

Suggestion to remove electrical kiosk, 18m ventilation shaft, bollards, crash barrier, turning circle, turrets, emergency storage, hardstand and retaining wall and build it all underground. Comments the installation should be contained underground, leaving the area without evidence of change.

Comments it looks very messy and industrial with too much concrete, too many poles, turrets, vents, lights, service boxes and sandstone blocks and suggests reducing everything.

Suggestion to minimise the structures and put as much underground as possible.

Suggestion for the above ground structures to be kept to the barest minimum.

Suggestion for mechanical necessities to be less visually invasive.

Suggestion to not add any other structures as there's already too much and loss of natural grass area.

The Eastern Reserve pump station has been designed to have most of the infrastructure located below ground. Some infrastructures, such as the electrical kiosks, turrets and the reduced pressure zone valve (RPZ) need to be above ground for access purposes, protect from ingress of water and to provide ventilation for the safe operations and maintenance of the pump station.

Ventilation shafts (or vent shafts) are similar to an exhaust for the wastewater system. Vent shafts allow air to enter and exit the wastewater system, which is important to help the system work properly. Vent shafts need to be a specific height to maximise airflow diffusion to the atmosphere and minimise the risk of odour from the wastewater network.

The purpose of bollards is to act as a barrier for the above ground infrastructure to any maintenance or operation vehicles from driving over pit lids and other structures. We are currently reviewing the requirement for bollards and exploring options to minimise or eliminate them from the design.

The light poles are necessary to provide lighting for operational and maintenance purposes and will only be used as required.

We will continue to review and optimise the above ground structures where we can and incorporate landscaping to assist in blending the infrastructure with the local surrounds.

Suggestion for materials used at the pump station to be of the toughest weather resistance that will meet Council requirements.


Suggestion to use 2205 Stainless steel where needed.

Suggestion to use 2205 stainless steel rather than 316 steel to avoid corrosion.

Concern for equipment materials being in a corrosive environment.

Suggestion to paint the turrets dark green with 2205 grade stainless steel.

Suggestion to paint all above ground infrastructure dark green.



All above ground structures will be designed as per the Sydney Water standards to ensure durability and resilience. We will review options to paint the above ground infrastructure green where possible, as some infrastructure is required to be a specific colour or material as per the standards. For example, the electrical kiosk can't be painted green due to the absorption of heat.

We'll consult with the community and stakeholders as we develop the design and update on these changes as we progress.

Confirm requirements for lighting and investigate opportunity to decommission Ausgrid light and power pole located in the reserve.

Lighting will be installed at the pump station. The lights will only be lit whilst Sydney Water requires access to site for operational or maintenance purposes.

Although there are no current plans to remove the Ausgrid light pole, we will investigate opportunities to decommission the Ausgrid light and power pole and will continue liaising with the Council. The overhead powerlines will be buried at the beginning of construction.

Suggestion to move the 18m vent stack closer to the cliff.

Suggestion for vent shaft and light pole to be next to each other.

Query regarding if the vent stack has a solar panel as previously shown in the concept design.

Query as to why an 18m pole is needed.

Question as to what technology will be used for the passive filter.

A new ventilation shaft is planned to be installed at the end of Oceanview Avenue and at the Eastern Reserve pump station.

Ventilation shafts are an essential part of the wastewater system. The vent shaft allows air to enter and exit the wastewater system to ensure it works properly and also reduces the risk of odour using passive activated carbon filters. The passive odour control unit consists of a pelletised impregnated activated carbon that uses absorption, specifically designed for use in odour control systems where the primary cause of odour is as a result of the presence of mercaptans, particularly hydrogen sulphide (H₂S), and volatile organic compounds.

If the wastewater system isn't ventilated properly, a bacterium found in wastewater produces hydrogen sulphide gas, which fills up the air space in wastewater pipes. The gas then turns into sulphuric acid which corrodes concrete, causing pipes and maintenance holes to deteriorate and collapse. This can cause blockages, leaks and other issues on the wastewater network. To reduce the risk of this happening, we need to make sure air can circulate in and out of the wastewater system. Vent shafts need to be a specific height to maximise airflow and minimise the risk of odour from the wastewater system.

For more information on vent shafts, please see [FAQ](#).

The vent shaft and light need to be placed independently. The lights are positioned to provide illumination to key components of the pump station. The position of the vent shaft is dependent on

the pipe work levels and as such is constrained to a small area. The position of the vent was chosen to reduce the impact to adjacent residents.

Concern regarding guy wire security required for the vent stack.

Sydney Water utilises a new type of vent shaft that does not require guy wires.

Request to investigate options to provide a stepped retaining wall behind the electrical cabinet with fall heights no greater than 900mm with planting beds between each level with the intention of removing the fall arrest balustrade requirement and introducing vegetation to soften the visual impact of retaining walls and provide additional screen from adjoining residential properties.

Detailed geotechnical modelling is being undertaken to investigate potential risks to cliff stability. We are investigating direct impacts on the cliff stability arising from excavation, vibration or additional construction or permanent super imposed loadings. We may redesign or relocate various structures to minimise these risks depending on the outcomes of the geotechnical modelling.

5.1.3 Scope of work

Concern regarding the cliff face due to the recent collapse from wet weather.

Concern for the underground caverns and cliff face and impact of the work on stability of the cliff.

Concern regarding the cliff terrain and destabilisation and damages to cliff.

Request for results of geophysical testing of the area and cliff to be made public.

Geotechnical investigations and assessments to review the geotechnical conditions of the site have been undertaken throughout the project. Sydney Water acknowledges the coastal regression occurring as a natural process, including storm and wet weather events. The pump station infrastructure will be located away from the cliff face and is unlikely to be impacted by coastal regression in several lifetimes.


We will continue to review and assess the site to ensure it is safe and appropriate to construct the pump station.

Comment to not proceed with this project as it is negatively affecting the quality of life for both residents and the general public using the reserve.

Suggestion to not build the pump station.

Question as to why the outfalls to the sea can not continue.

Three ocean outfalls on the Vaucluse peninsula remain as the only outfalls on the NSW coast that continue to discharge untreated wastewater to the ocean.



In 2016, the EPA issued a Pollution Reduction Program requiring Sydney Water to assess the level of risk to the environment and public health posed by the outfalls. In response to the findings of the pollution study, Sydney Water initiated the “Refresh Vaucluse Diamond Bay” proposal. In November 2018, the NSW Government announced its commitment to stop the continuous flow of untreated wastewater from the three ocean outfalls in Vaucluse and Diamond Bay.

Once operational, the continuous flow of untreated wastewater, plastics and other solid waste into the ocean would be significantly reduced, minimising ocean pollution and improvements of the health of our waterways.

Suggestion for the project to include burying the power lines on Eastern Avenue and Oceanview Avenue.

Sydney Water is not the owner of these assets and are not able to include this into our scope of work. However, the high voltage and low voltage power to be drawn for the pumping station would be underground.

Question as to what horizontal distance will be achieved under gravity flow per meter of depth.

This calculation is subject to great variation (pipe size, type, grade and flow volume). The gravity wastewater pipes are designed according to the Sewerage Code of Australia WSA 02-2002-2.2 Sydney Water Edition – Version 4 (2017).

Query regarding what infrastructure will be at the end of Oceanview Avenue.

Question on how much open trench is required on Oceanview Avenue.

At the western end of Oceanview Avenue, a new wastewater pipeline will be installed connecting the pump station at the end of Eastern Avenue to the existing gravity wastewater system near the corner of Oceanview Avenue and Norton Avenue. Approximately 500m of new pipes will be installed by open trenching method below ground and a maintenance hole cover on the surface of the road for Sydney Water access.

A vent shaft will also be required in the area near the intersection of Oceanview Avenue and Old South Head Road. Vent shafts are installed every 400 metres along a wastewater pipeline to ensure the network is ventilated properly and is placed at high points at the beginning and end of wastewater pipelines.

Query as to when the system will become operational.

Question regarding the completion date of the project.

The system is planned to become operational in 3 – 4 years time.

5.1.4 Air quality and odour

Concern regarding odour.

Question regarding odour and if it will be similar to Bondi WRRF

Requests information regarding venting noxious odours.

Concern regarding smell from stink pipe and potential for air pollution.

Concern regarding odour from the vent stack.

Concerns regarding the 18m vent shaft as it will redirect present situation of producing fumes to one that will.

Question as to how often the carbon filters need to be changed.

Suggestion to move the stink pole so it won't cause air pollution to local residents and people enjoying the reserve.

Ventilation shafts like the one planned for the Eastern Reserve pumping station are an essential part of the wastewater system. The vent shaft allows air to enter and exit the wastewater system to ensure it works properly and reduces the risk of odour using passive activated carbon filters as additional measures. The vent shaft is required to be 18 metres tall to maximise airflow and minimise the risk of odour from the wastewater system.

We have carried out the wastewater characteristics in this catchment. Due to low retention time in the system and low liquid phase dissolved sulphides, the sewage at this catchment is not expected to be odorous. In addition, we are planning to install passive activated carbon filters as an additional protection measure to further minimise the potential for any odour. These carbon filters will be changed every 12-18 months.

As part of its operating licence agreement Sydney Water must comply with the Protection of the Environment Operations Act 1997 with regards to odour which requires that no offensive odours emanate from Sydney Water's assets.


Odour testing with the use of handheld equipment and sensors will be undertaken once the pumping stations have been built to ensure no nuisance odours are detectable which may impact surrounding residents. If nuisance odour is detected, installation of odour control equipment will be considered.

5.1.5 Noise and vibrations

Concern regarding the operational noise of the pump station.

The pump station will operate periodically and is unlikely to generate excessive noise and vibration. The pumps will be located below ground and submerged in water which will also reduce the amount of noise generated at the ground surface

As described in the REF, it is not expected that operational noise levels of the pump station will exceed existing background noise levels.



The infrastructure that has the potential for operational noise impacts includes two submersible Xylem NP 3202 HT pumps operating at 47 kW within a wet wall. From investigations, the predicted noise level is 34dbA at the nearest sensitive residential receiver, making it compliant with noise criteria, of 37, for surrounding residents (REF, 2020).

These noise levels will be verified during the commissioning of the pump station to ensure compliance.

Question if vibration measurements will be incorporated into dilapidation surveys.

Questions as to what mitigation will take place to minimise noise and vibration during construction.

As per the REF (section 6.1.8), we will implement the following safeguards and mitigations during construction and commissioning to minimise noise and vibration impacts:


- schedule work and deliveries during standard daytime working hours of 7 am to 6 pm Monday to Friday and 8 am to 1 pm Saturdays (unless night works are required)
- works will be carried out in accordance with Sydney Water's Noise Management Procedure and Noise Policy for Industry (EPA, 2017)
- plant or machinery will not be permitted to warm up near residential dwellings before nominated working hours
- appropriate plant will be selected for each task, to minimise the noise impact
- engine brakes will not be used when entering or leaving the work site or within work areas
- regularly inspect and maintain equipment in good working order
- arrange work sites where possible to minimise noise
- schedule noisy activities around times of surrounding high background noise
- investigate alternative equipment if operation of vibration intensive equipment results in vibration above recommended vibration levels
- a minimum of 2 metres high temporary noise barriers to be constructed around the wall compound sites

The REF (section 6.1.8) identifies that dilapidation surveys and asset condition assessments will be undertaken prior to any works that have the potential to be impacted by vibration. These surveys would be undertaken on structures located within 22 m of any area requiring rock breaking and drilling.

In addition to the proposed dilapidation surveys, vibration levels will be monitored during activities such as rock breaking, to ensure the vibration levels comply with recommended guidelines and standards.

Query regarding payment for damages created by the drilling of the ground and noise pollution.

Sydney Water will conduct dilapidation reports or preconstruction inspections surveys to record the condition of a property preconstruction. An independent inspector will photograph any current defects or cracks and the images are compared post inspection. If any damage happens at any



stage, we will fix it. These reports protect you and protect your home because they record the condition of your home prior to the work being carried out and post work being carried out. The inspection is at no cost to the property owner.

5.1.6 Environmental performance and compliance

Query regarding the Bondi WRRF and if it can withstand the planned extra demand. Request to obtain documentation regarding the Bondi WRRF capacity.

The size of the Vacluse and Diamond Bay catchments are small and will have a negligible impact on Bondi WRRF. The additional flow that will be diverted from the existing ocean outfalls at Vacluse and Diamond Bay to Bondi WRRF will result in an overall increase of flows of approximately <1% of the licenced volume, which is within the existing capacity of the plant.

Query as to why is an environmental impact statement is not required.

An Environmental Impact Statement was not completed for the project as it was determined that the works would not have a significant environmental impact. Instead, the project was assessed by a Review of Environmental Factors which was prepared under Division 5.1 of the Environmental Planning and Assessment Act 1979.

Query if the work will affect the underground water flow which already causes damage to homes and if it will be redirecting the water flow.

The Underground water flow is not anticipated to impact the pump station of surrounds

Question if the ocean outfall will still occur in wet weather.

During normal dry weather operation, the system will redirect untreated wastewater through the wastewater network to the catchment of Bondi WRRF for treatment. During heavy wet weather, when the catchment is at full capacity, the ocean outfalls may serve as emergency relief structures. The system could operate in moderate wet weather events if the additional flow is acceptable to the receiving sewers at Rose Bay.

Question to when the REF addendum will be made available to the public.

Given that the project is still in the design phase and we are still undertaking changes to the design in response to community feedback and further modelling of the wastewater system, the requirement for further environmental assessment, i.e. REF Addendum and updated specialists reports, will be determined at the completion of the design.

Requests for geotechnical survey and LIDAR.

We are carrying out further modelling work to fine tune the site investigations. This is still in progress and it is not yet completed.

5.1.7 Consultation

Concerns regarding the lack of consultation for the design and requests proof of engagement until now.

Concerns regarding selective consultation throughout the design.

Comment that this project will visually ruin this unspoiled part of the coastline and comments not recalling being made aware that this was going to happen when this project first started.

Consultation with key stakeholders commenced in 2018 and has continued throughout the planning, concept design and will continue throughout detailed design and construction.

Following a public expression of interest process in May 2018, 12 residents from Dover Heights, Vacluse, Rose Bay and North Bondi were selected to be part of a Community Reference Group (CRG). The purpose of this CRG was to enable Sydney Water to better understand community expectations for the Vacluse and Diamond Bay ocean outfalls, so that community values could be included in decision-making for the long-term solution.

Between May and August 2018, Sydney Water took the group on a journey from understanding the results of the pollution study, the way wastewater systems work and more technical discussions on the options developed through the detailed planning process.

Alongside the CRG, Sydney Water also sought feedback from the wider community. Over 3000 individual users visited the Refresh Vacluse and Diamond Bay project page on Sydney Water's online engagement platform, Sydney Water Talk, 300 residents attended six pop up information sessions held in Rose Bay and Diamond Bay in November 2019.

The REF was on public display from throughout June 2020. We invited the community and stakeholders to provide written submissions on the REF. We provided an update on the project and advised of the REF display via a newsletter to 14,602 residents, a media release in the Wentworth Courier, doorknocked 237 properties closest to the proposed work areas and held virtual information sessions due to Covid-19 restrains.

Following exhibition of the REF, feedback and submissions were received, assessed, and addressed in the Decisions Report, released in November 2020 and followed by community pop up sessions in Parsley Bay and at Eastern Reserve in April 2021 – once Covid-19 restrictions were lifted,

Later that year our contractors, Comdain Infrastructure and WSP continued the community consultation through the detailed design phase (see section 2).

Concern regarding the drastic differences between the concept design and the new proposed design and the lack of consultation and transparency.

Question regarding why the current design is different from the design from the decisions report for Eastern Reserve.

Suggestion for the design to look as close as possible to the concept design.

Comment regarding the difference from the concept design to the proposed detailed design being not acceptable with additions of the turning circle, metal bollards, more metal boxes and an 18-metre odour vent.

Concerns with the lack of engagement between the previously presented concept design to the proposed design with major changes only being revealed to the community in later stages.

The earlier preliminary designs and illustrations (also referred to as concept design) represented the broad idea driving the design of the pump station during the planning stage of the project, explained via a collection of sketches and artist impressions, which Sydney Water presented to the community and stakeholders during consultation (Decision Report, November 2020, Sydney Water).

During detailed design, the concept design is being developed into working drawings and specifications suitable for construction and future operational purposes.

Sydney Water's delivery partners, Comdain Infrastructure and WSP, identified that technical aspects of the pump station required further development to meet Sydney Water's licence and Occupational Health and Safety (OHS) requirements for the long-term operation and maintenance of the station. In addition, the team found that relocating the underground assets into the reserve will minimise the construction impacts to the residents and structural impacts to the neighbouring properties.

However, we are planning to re-design above ground structures so that they are closer to concept design stage (minimise hard stand, retaining wall, bollards, etc.) based on the community feedback.

Comment that the survey provides community with options for details of the pump station rather than coming to a consensus with community options considered.

Sydney Water has previously undertaken extensive consultation with the Councils, CRG, local residents and the wider community on the options for identifying a solution and the decision has been made. From this initial consultation the concept design and 50% detailed designs have been further refined. The surveys were created to assist the design team in identifying ways to optimise the design and minimise visual impacts.



Question regarding the need for a new decisions report incorporating design changes.

The purpose of this report is to advise of the outcomes from community and stakeholder consultation from the 50% detailed design consultation undertaken in 2022, which differed from the concept design originally presented to the community in 2019.

Question regarding the CRG and if there are members of the group residing in Eastern Avenue.

Query on if the CRG members have seen the updated design.

In 2019 Sydney Water put out an expression of interest for the Community Reference Group, with anyone residing within the Vacluse and Diamond Bay catchment areas eligible to apply. The 12 candidates selected represent a mix of applicants across the catchment. There are several members in the CRG who are part of the Dover Heights Precinct Committee, representing residents of the area.

The CRG were presented with the same three design options as the community at the CRG meeting held on 9 February 2022.

Request to provide interpretative educational signage about the pump station to explain its function and environmental benefits.

We will investigate creating educational signage for the completed pump station, regarding the purpose of the pump station and the benefits of the project.

5.2 Parsley Bay

5.2.1 Social and visual

Concerns regarding the aesthetics of the pump station. Suggestion of incorporating sympathetic planting and landscaping.

Suggestion of the use of local artists to paint walls to improve aesthetics and decrease visual impact.

Concerns of the visibility of turrets. Suggestion of constructing a tall wall which blends into the surroundings.

Comments concerns for the aesthetic of the pump station. Suggests maximum concealment of pump station.

Due to the height of the pump station, the turrets and above ground structures will unlikely be fully visible from the car park or surrounding areas. We will continue look at opportunities to improve the aesthetics of the pump station and will consult with the community as we progress.

Suggestion to install a gate at proposed stairs of pump station for security and public deterrent.

Query to the type of surface proposed for area above stairs, will it be sufficient to deter children from playing in the elevated area.

Suggestion to install additional path area behind existing toilet block to replace existing path access.

We have added a gate at the proposed stairs of the pump station in the updated design.


The type of surface proposed for the area above the stairs is concrete.

The installation of an additional path area behind the existing toilet block is subject to the design and further assessment as it would involve further impacts to the environment.

Concerns regarding access to Parsley Bay Beach.

It is estimated that the works at Parsley Bay will take about two years to complete. Due to space constraints at Parsley Bay, the pumping station and HDD have to be constructed sequentially, so this might extend the time frame. We will optimise the construction sequencing and staging as part of the construction schedule when the constructor on board, at which point the construction time frame will be confirmed as well. We will consult with surrounding residents and Woollahra Council once we have determined the extent and duration of work at the Parsley Bay car park and surrounding public areas.

The existing car park will be closed for the duration of the work. Access to the remainder of Parsley Bay will be maintained. We will aim to minimise our construction footprint as much as possible, as well as the duration of the work at Parsley Bay. There will be no impact on the grassed areas other than for a small patch near the kiosk during construction of the toilet block where the underground



services will be installed namely water, sewer and power. When the construction contractor for this work is engaged we will make every effort to keep that area as small as possible

All efforts will be made to confine the construction work to the existing car park and to ensure pedestrian access to the reserve is maintained during construction.

Query as to how many parking spots will be lost.

The existing car park will be closed for the duration of the work. Once completed, it is expected that four car park spots will be taken for the footprint of the pump station.

Suggestion to discuss with council to reinstate garbage bin somewhere between the wharf area benches and swimming stairs.

We thank you for your suggestion. We will forward this to council for their review.

Suggestion for no parking signs to be placed on Parsley Road, or residents only signs.

Concerns regarding parking availability for residents and visitors on Parsley Road.

Concerns regarding access to Parsley Road.

Prior to construction in Parsley Bay, we will need to mobilise site and transport heavy machinery and equipment from New South Head Road to Parsley Bay. To do this, we will be travelling down surrounding residential streets with oversized vehicles which may cause temporary interruptions to access, parking and traffic. As we progress, we will provide more detailed information regarding our mobilisation plan and consult with impacted residents. Parsley Road will be open for access for the duration of the work, although there may be temporary impacts for short periods for deliveries, as required. Surrounding residents will be notified of any traffic changes and impacts.

We will work with council to identify ways to minimise impacts to residents in regard to parking on Parsley Road and keep residents updated on this.

Concerns regarding power outages, throughout construction.

There may be localised and limited power outages to facilitate some of the work during connection of the new high voltage and low voltage installations. Impacted residents will be notified in advance prior to these planned outages.

Query regarding the length of rising main from Parsley Bay that will always remain full.

The entire rising main will always remain full (approximately 1850m).

5.2.2 Infrastructure

Question to why Parsley Bay does not have an 18m odour vent.

Query if passive filter to remove odour works by adsorption or absorption and how often filter will need to be serviced/replaced.

Suggestion to move existing vent stack closer to the carpark area.

Query to why vent stack is being moved from its current position.

An existing vent stack is currently located at the Parsley Bay car park. Due to its poor condition, it will be replaced with a new vent stack. The new vent stack cannot be installed in the same location as it will need to be installed as part of the new pump station.

It also can not be moved closer to the car park area for the same reason and not to interfere with existing services and pipework.

The new vent stack will be 18 metres and be located approximately 10 metres to the east of the existing vent stack. The passive odour control unit consists of a pelletised impregnated activated carbon that uses absorption, specifically designed for use in odour control systems where the primary cause of odour is as a result the presence of mercaptans, particularly hydrogen sulphide (H₂S), and volatile organic compounds. The passive filters will be changed every 12- 18 months.

5.2.3 Scope of work

Concerns regarding stormwater drainage. Request for consideration in design by Council's Bushland Team Leader.

Request investigation to be conducted by Sydney Water regarding several sewer manholes overflowing during floods, to improve water quality in Catchment.


Investigation of the wastewater service in Horler Ave near the Caretakers Cottage is part of the amenities block design process, which is planned to be designed over the next few months. As such, there is no specific maintenance hole investigation report available at this stage. Sydney Water will endeavour to investigate the wastewater system overflow issues and rectify them.

Regarding overflows at the corner of Horler Avenue, the existing stormwater line is surcharging from the excessive rain conditions recently experienced. Our project scope does not include replacing or repairing the stormwater network.

Overflows or malfunction issues, need to be reported to Sydney Water on 13 20 90 for rectification works as these are not project related.

A robust Erosion and Sedimentation Control Plan will be in place throughout the work. This plan will be developed, reviewed, implemented and monitored throughout the works by the project team

Request for electrical contractor to provide electrical work drawings for Council comments and observations.



and Sydney Water and will be developed in compliance with the project Review of Environmental Factors (REF) and in accordance with the Blue Book (Managing Urban Stormwater: Soils and construction – Volume 1).

We have provided this information to Council for comments and endorsement.

The main line and private stormwater pipes under Horler Avenue are not expected to be impacted by our work. All care will be taken when working in proximity to these services. In the case of any impacts or damage, we will advise Council and restore accordingly.

The use of HDD in this scenario will have a much larger construction impact. Open trenching is the

Request for main line and private stormwater pipes to kerb face under Horler Avenue to be preserved and protected during LV electrical below ground works and during mobilisation of heavy equipment down the street.

Suggestions for HDD technique to be used at Parsley Bay reserve under nature strip area for

Request to prepare dilapidation report for the road reserve through the entire route from New South Head Road to the site, covering all features including but not limited to traffic devices; survey markers; footpaths; road pavements etc.

preferred, time and cost-effective option.

Sydney Water will conduct dilapidation reports and condition assessments through the entire road route from New South Head to Parsley Bay as well as Council impacted roads in Rose Bay. This will be completed prior to mobilisation and will cover all aspects, as mentioned. An independent inspector will photograph any current defects or cracks and the images are compared post inspection. If any damage happens at any stage, we will restore it to pre-construction conditions.

A detailed mobilisation plan will be provided to Council once finalised. We will continue to consult with Council as we progress and ensure all approvals and requirements are in place.

Request for information on how path on northeast side of creek will be managed as this is the area where tunnelling will surface and will be impassable while drilling. Will there be public access on weekends or will area need to be closed to walkers.

It is proposed to interfere with Street Lights in Horler Ave, these must be presented to Council for comments even though they are temporary relocations.

Access from the path on the northeast side of the creek will be maintained where possible. There

Request carpark for reinstated post-construction and analysis of space to be undertaken to ensure parking loss is minimised. Request Council consultation on proposed layout.

Request for the possibility of increasing parking spaces with re-design.

will, however, be times where temporary closures and detours will be required throughout the work. Council and the community will be notified prior to this.

We will continue to review the car park configuration and consult with Council as we progress, however, due to the space required for the pump station, the possibility of increasing parking spaces will not be possible.

As per the REF, we will consult with Council about managing impacts to pedestrian traffic, signposting, meters, parking, line-marking, and restoration of affected areas. All work sites will be restored to pre-existing condition or better.

This will be considered and reviewed by our environmental consultants.

Request confirmation that any works undertaken on Council roads, including footpaths, kerb

Request for crushed sandstone to be used for surface treatment instead of gravel, to ensure correct pH.

5.2.4 Amenities Block

Understood that rainwater tanks attached to existing amenities block to be incorporated into the design of the new amenities area and plumbed to provide water to the toilets.

This will be addressed as part of the amenities block design.

Has been discussed with Sydney Water and architects that a new sandstone storage area will be built with electricity and water accessed for use by Council parks team and Bushcare group. Storage to be located near existing pump shed.

Sydney Water and our architects will be working with Council to accommodate their requirements where possible.

In December 2021 Sydney Water published the concept design for the amenities block to the local community and asked for feedback. The interior layout of the amenities will be updated during the detailed design and the number of facilities will be reviewed.

Query regarding the reason for 4 toilet facilities for women but 5 toilets for men.

Question if caretaker's cottage is still in good condition.

The amenities block has been redesigned to have the same number of toilet facilities for women and men.

As part of the amenities block build, we will upgrade parts of the Caretakers Cottage, which our investigations confirm the retrofitting can be completed with its current condition.

Dilapidation surveys and structural assessments will be completed prior to construction to ensure unaffected structures and areas are maintained and restored to pre-construction condition.

5.2.5 Environmental performance and compliance

Requests timing of removal of boulders at Parsley Bay to take place when water dragons are mobile and active, not hibernating over winter.

The REF states that if any native fauna is encountered during construction, they will be encouraged to move out of the construction area. The Biodiversity Assessment (REF Appendix C) also concludes that the removal of small areas of habitat which may be used by common and widespread native fauna (such as the Eastern Water Dragon and native birds) would have a negligible impact on biodiversity in the area. On the basis of this assessment, we do not anticipate impact on the Eastern Water Dragon or the freshwater eel.

Request that on-site liaising continues with Council's Bushland Team Leader, Margaret Lai regarding the locations of threatened species to ensure they are not impacted during construction.

Request to ensure threatened species of plants such as Szygium paniculatum (Magenta Cherry) and Acacia terminalis subsp are not damaged. Request to ensure to liaise with Margaret Lai on site regarding exact locations of plants.

Concerns regarding impact of works on north-eastern side of Parsley Bay creek as area is known roosting habitat for the threatened Powerful Owl. Requests for minimal disturbance to the sensitive bushland and creek line area.

The construction contractor is expected to undertake a preclearance fauna survey prior to the removal of boulders. Any common and widespread native fauna would be encouraged to move out of the construction area and should not affect the timing of the works.

The REF (Section 6.1.3) and Biodiversity Assessment (REF Appendix C) assessed the impact of the Project on threatened ecological communities, and threatened flora and fauna. For Parsley Bay the assessment included potential impacts to Sunshine Wattle (*Acacia terminalis* subsp. *Terminalis*), Magenta Lilly Pilly (*Syzygium paniculatum*) and the Powerful Owl (*Ninox strenua*). The assessment findings are summarised below:

- **Sunshine Wattle:** The assessment found that previously recorded individuals of Sunshine Wattle (*Acacia terminalis* subsp. *Terminalis*) near the carpark edge at Parsley Bay had been removed during garden maintenance. During the survey, and follow up surveys in August and November, no individuals were identified within the project footprint. Sunshine Wattle is listed as an Endangered species under the NSW BC Act and the Commonwealth EPBC Act. Mitigation measures for the species have been identified in the Tests of Significance (Appendix B) and will be incorporated into the vegetation management plan prepared under the CEMP. Measures include re-using top soil removed for the project during restoration and rehabilitation work in order to retain the soil seed bank.
- **Magenta Lilly Pilly:** several Magenta Lilly Pilly (*Syzygium paniculatum*) individuals were identified within the project footprint during the flora and fauna surveys for the Biodiversity Assessment (REF Appendix C). Removal of these threatened species were of particular concern to the community and Woollahra Council and an additional site inspection was

undertaken in November to assess impacts associated with the amended pump station design. As noted above, three mature specimens (previously lopped to the stump) and one juvenile specimen (that appears to be Magenta Lilly Pilly) will still require removal.

However, the refined design and reduction in vegetation clearing ensures the retention of one mature specimen of Magenta Lilly Pilly as well as numbers of early-mature specimens and juvenile specimens (that appear to be Magenta Lilly Pillies) upslope of the construction area. Further details including proposed mitigation measures to reduce impacts have been included in the Test of Significance for this species (Appendix B).

- **Powerful Owl:** Due to the presence of the Powerful Owl (*Ninox strenua*), we engaged an ecologist to undertake further inspections. Our ecologist assessed that the Powerful Owl is roosting in the area rather than nesting and that our works could proceed whilst the owl is roosting. The proposed removal of small areas of predominantly groundcover and understory vegetation will not affect breeding, roosting or nesting habitat for threatened fauna species, including the Powerful Owl. While the vegetation to be cleared is not important habitat for the Powerful Owl, no go areas have been identified to protect areas of higher biodiversity value, which includes roosting habitat for the Powerful Owl. An updated Test of Significance has been prepared for the Powerful Owl (Appendix B).

From this assessment, it concluded that the proposed works would have a negligible impact on potential habitat for these threatened flora and fauna species and would not threaten the persistence of any local populations. The Tests of Significance concluded that the project would not have a significant impact on these threatened species (Appendix B).

As we progress the detailed design and construction, we will continue to regularly consult with Woollahra Council and the Bushcare team to minimise the extent of disturbance and removal of threatened species.


Concerns regarding the location and tunnel depth under the creek regarding potential for long term subsidence and impact on the nearby large Eucalyptus robusta. Ensure tree roots are located with hand tools and water blaster before tunnelling near Eucalyptus robusta. An arborist should be engaged for advice.

The large Swamp Mahogany Eucalyptus robusta located near the trench entrance is not expected to be impacted by the project. The alignment of the wastewater line has been adjusted to move further away from the Eucalyptus Robusta tree. The tree is an important habitat tree and is planned to be retained and protected during construction. An Arborist will be engaged during construction to ensure the root systems are protected.

Request sediment traps no impact eel and Galaxia maculatus mitigation.

The REF (Section 6.1.3) assesses potential impacts on flora and fauna. It states that no impacts to native fauna are expected due to the relative minor impacts of the works. If any native fauna is encountered during construction, they will be encouraged to move out of the construction area. The construction areas will also be secured to prevent any harm to native fauna wandering into the

Requests that the garden bed outside of the caretaker's cottage contains healthy specimen of Acacia termanalis Eastern Sydney and should not be disturbed.



construction areas. The Biodiversity Assessment (REF Appendix C) also concludes that the removal of small areas of habitat which may be used by common and widespread native fauna (such as the Eastern Water Dragon and native birds) would have a negligible impact on biodiversity in the area. On the basis of this assessment, we do not anticipate impact on the Eastern Water Dragon or the freshwater eel. Sediment controls will be installed around the work area outside of the creek line.

This will be captured in the Construction Environmental Management Plan and Landscaping Plan.

5.2.6 Noise, vibration and odour

Concerns of the effect of drilling and vibrations.


Query on noise, vibrations, odour and run-off mitigation.

As per the REF (section 6.1.8), we will implement the following safeguards and mitigations during construction and commissioning to minimise noise and vibration impacts:

- schedule work and deliveries during standard daytime working hours of 7 am to 6 pm Monday to Friday and 8 am to 1 pm Saturdays (unless night works are required)
- works will be carried out in accordance with Sydney Water's Noise Management Procedure and Noise Policy for Industry (EPA, 2017)
- plant or machinery will not be permitted to warm up near residential dwellings before nominated working hours
- appropriate plant will be selected for each task, to minimise the noise impact
- engine brakes will not be used when entering or leaving the work site or within work areas
- regularly inspect and maintain equipment in good working order
- arrange work sites where possible to minimise noise
- schedule noisy activities around times of surrounding high background noise
- investigate alternative equipment if operation of vibration intensive equipment results in vibration above recommended vibration levels
- a minimum of 2 metres high temporary noise barriers to be constructed around the wall compound sites

The REF (section 6.1.8) identifies that dilapidation surveys and asset condition assessments will be undertaken prior to any works that have the potential to be impacted by vibration. These surveys would be undertaken on structures located within 22 m of any area requiring rock breaking and drilling. The pump station site at Parsley Bay will require rock breaking and drilling.

In addition to the proposed dilapidation surveys, vibration levels will be monitored during activities such as rock breaking, to ensure the vibration levels comply with recommended guidelines and standards.



During construction and commissioning, some activities could cause isolated increases in odour, due to such things as access hatches being open, however, these will be minimised to the greatest extent possible. Odour levels will be monitored in the new wastewater infrastructure during commissioning and operation to assess if further odour mitigation measures are required.

Query to the extent of vibration monitoring that will take place and access to vibration documents/readings.

Section 6.1.8 of the REF notes that vibration monitoring will occur to ensure compliance with relevant standards to prevent impact to structures. This will be focused in areas where vibration generation is likely, such as rock breaking at the pump station site, and drilling for trenchless pipeline construction. We will continue to engage acoustic specialists to undertake vibration monitoring of the project.

Requests for access to vibration documents and readings will be reviewed.

5.3 Rose Bay

Query regarding reason for new pipeline on Carlisle Street, as opposed to New South Head Road.

Carlisle Street was chosen to install a new pipeline due to several reasons including:

- Carlisle Street being the most optimal point of connection to the existing network
- avoids excavation of the underground concrete panels on Dover Road
- insufficient dry weather capacity in the wastewater system on New South Head Road and Old South Head Road
- traffic impacts on New South Head Road.

Query if trenchless technology will be used on Carlisle Street.


Query regarding why trenching method will be used on Carlisle Street.

Due to community and traffic impacts, we will use trenchless technology to install the wastewater pipeline on Carlisle Street. Some parts of the installation will require trenching and excavations to allow the trenchless installation and the construction of maintenance holes. At the Dover Road intersection, trenchless technology is not preferred due to the ground conditions and design constraints.

Question regarding the visual aesthetic and design of the ventilation shaft.

Query regarding presence of odours from the vent stack.

Ventilation shafts are an essential part of the wastewater system. The vent shaft allows air to enter and exit the wastewater system to ensure it works properly and also reduces the risk of odour using passive activated carbon filters. If the wastewater system isn't ventilated properly, a



bacterium found in wastewater produces hydrogen sulphide gas, which fills up the air space in wastewater pipes. The gas then turns into sulphuric acid which corrodes concrete, causing pipes and maintenance holes to deteriorate and collapse. This can cause blockages, leaks and other issues on the wastewater network. To reduce the risk of this happening, we need to make sure air can circulate in and out of the wastewater system. Vent shafts need to be a specific height to maximise airflow and minimise the risk of odour from the wastewater system.

New vent shafts are unpainted stainless steel. The vent shaft on Carlisle Street will be 18 metres tall and be in front of No. 55 Carlisle Street, facing Conway Avenue. Vent shafts need to be a specific height to maximise airflow and minimise the risk of odour from the wastewater network.

For more information on vent shafts, please see [FAQ](#).

Concerns regarding Traffic Management on Carlisle Street.

Construction works along Carlisle Street will result in some disruptions to local traffic and access. A Traffic Management Plan (TMP) will be prepared prior to construction, including providing notification to residents to inform them of potential impacts and timeframes. Traffic management plans will be approved by relevant authorities and reviewed by Council.

Due to changes to the construction methodology on Carlisle Street with most of the works using trenchless technologies, it minimises the impacts to traffic on Carlisle Street. In sections where there is open trenching require, there will be localised impacts as the works progresses which may include partial road closures and detours.

Request for Construction Management Plan to be provided. Document to outline the nature of the construction project in terms of stages of work, vehicles to be used, number of vehicles accessing site, size and types of vehicles to be used and routes that will be taken.

Note CTMP must make provision for all materials, plant etc to be stored on site at all times during construction.

The construction traffic management plan is being produced and will be provided to council prior to commencement of construction for review and approvals.

5.4 Overall project

Query on project time frame.

The Refresh Vaucluse and Diamond Bay project is expected to take 3-4 years to complete, weather permitting.

Suggestion that the project be split into two separate projects - Parsley Bay and Dover Heights due to high residential concerns at Dover Heights.

We thank you for your suggestion and will take this into consideration.

Comment regarding the newsletter being distributed in April during Easter holidays when residents are busy and may not take note of the document. Question if this was intended to have the maximum or minimum number of customers read the document.

The newsletter was distributed to the community following extensive consultation with Councils, CRG and impacted residents and stakeholders. The intention was to have the maximum number of customers read the document.

Concern regarding timing of construction and differing timeframes stated in previous notifications and newsletters demonstrating the project is further delayed.

The project is currently in the design stages which has involved undertaking detailed geotechnical investigations to provide more information about the existing ground conditions and the location of services along the alignment. This has required additional time during the pre-construction phase to ensure the design is fit for purpose. The design modifications are also being pursued due to community and stakeholder feedback.

Comment that recent newsletters have failed to provide any construction and completion dates for the project.

The purpose of the recent newsletter in April 2022 was to obtain community feedback on the proposed designs. Over the next few months as the detailed design is being progressed and construction methodologies determined, a detailed construction program will be developed. We will continue to update the community as the project progresses and the program and timing of works is finalised.

Question regarding the QR codes in the newsletter and reasoning as Sydney Water should have already built up a large mailing list of people interested in the project.

The QR codes in the most recent newsletter distributed in April 2022 provided a link to surveys for community feedback and input. Although we have developed a mailing list throughout the duration of the project, we would like to continue to encourage residents who may not be on the list to join.



As we progress, we will continue to ask residents to join our mailing lists to ensure all residents are updated on the progression of the project.

Query on the role of Comdain Infrastructure throughout the duration of the project, if Comdain Infrastructure is aware of projects previous documentation, and familiarity of site and surrounding roads.

Comdain Infrastructure have been engaged to design, with an option to construct and deliver the project. All previous documentation, site history and information obtained over the course of the project has been provided to Comdain and the project team. Since November 2021, Comdain have been undertaking multiple, detailed geotechnical and survey investigations and site visits across all project sites to inform the design.



6 Conclusion

Formal feedback from the community and key stakeholders are an important source of information, which will help guide our decision making and consultation as we progress.

In this report, we have considered and responded to the comments raised in the submissions. As a result of our consideration of the submissions and further consultation and investigations undertaken, we are making some changes to the proposal.

Parsley Bay

The design of pump station is progressing. We are including safeguards, such as a gate at the proposed stairs following the feedback we received from the community. We are also looking at opportunities to improve the aesthetics of the pump station.

We are also reviewing the environmental impacts of the pump station and the need for a REF addendum.

The design of the amenities block is progressing as well while we are awaiting Council's DA approvals.

As we progress the detailed design and construction, we will continue to regularly consult with Woollahra Council, residents and the Bushcare team to minimise the extent of disturbance.

Rose Bay

Following the community's feedback, we have reviewed the construction methodology for Carlisle St, Rose Bay. To minimise impacts to the community, mainly around traffic and parking, we will be changing the methodology from open trenching to trenchless along Carlisle Street, Rose Bay.

At Spencer St, Rose Bay, we will conduct further modelling and assessments of the wastewater network, which will inform the design of the connection point.

Eastern Reserve and Diamond Bay, Dover Heights

Engagement with residents and councils has led to the decision to review the pump station design footprint and location to address visual impacts concerns.

An independent geo-technical service provider has been appointed to carry out additional investigations and modelling of the area to complete independent verification of the geo-technical assessments of the construction site. The data will help us to finesse the pump station design.

We are also pursuing alternative options for servicing the Diamond Bay precinct. Further review and planning for the design for Eastern Reserve is being undertaken, with the aim to reduce or eliminate the need for bollards and the turning circle.

We will continue to work closely with the community and stakeholders as the project progresses into the next phase and will keep the community updated.



7 Next steps

We are continuing the development of the design as we are progressing towards construction.

Sydney Water will now be looking for a partner to construct and deliver the project.

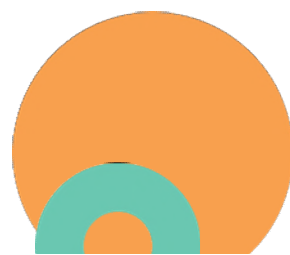
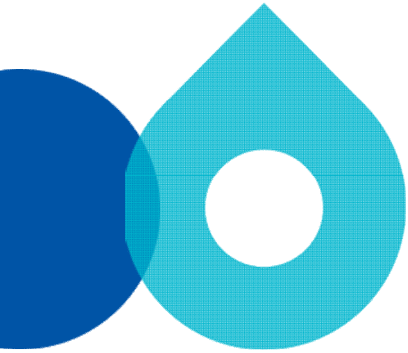
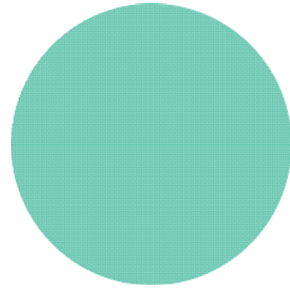
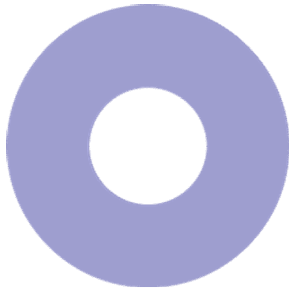
Prior to construction, we plan to undertake further community and stakeholder engagement and continue to keep the community updated.

We are planning to start construction in 2023.

.



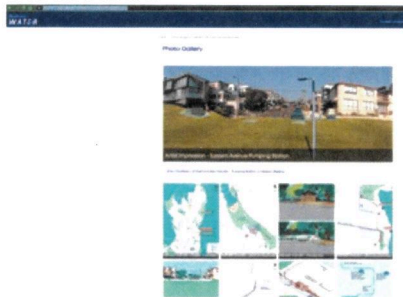
Appendix – Submissions received



From: [REDACTED]
Sent: Friday, 1 April 2022 10:03 AM
Subject: [FEEDBACK] Eastern Ave Reserve / Sydney Water Pumping Station

Hi,

I'd like to provide some feedback on the proposed Station to be installed in our street. As a resident and owner at Eastern Avenue, Dover Heights, I am quite disappointed that from an [initial proposal](#) (below) we've gone to what is being presented today. The simplicity of the first proposal obviously did not raise many eyebrows as the visual impact was not there.

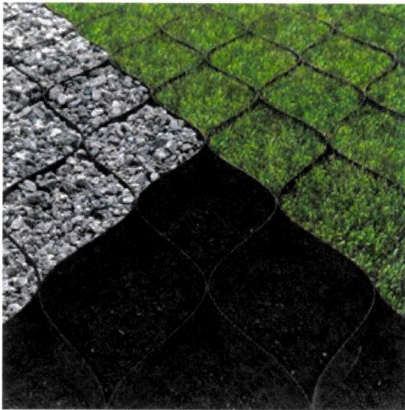


Please find my observations on several key points. Additionally, I believe that this being a natural reserve it is not being treated as such. All the artificial materials (ie. fencing, turf, metallic poles, etc) really take away from it all.

I'm an engineer and I believe that there are more creative ways of making this work in a way that preserves the reserve and still maintains the required safety standards for any maintenance. In my opinion, the alternatives are mediocre and a simple way to get the job done, saving costs instead of respecting the natural reserve.

1 - GROUND SURFACES

GRASS, I do not see a reason why the surface cannot be naturally packed down enough and stabilised to support the maintenance trucks. This is not a high traffic zone. Each time a visit is done, if there is damage that will be an easy fix to get the grass growing again. For example, mesh like blocks that could sit on top of the packed surface/grass. something like the [options here](#)



2 -BOLLARDS

Composite Wood in white, similar to the existing fence colour. potentially it could have reflective elements wrapped around them if that is the requirement. There are recycled alternatives, [plastic](#) or [treated pine](#)



3 - STAINLESS STEEL

There needs to be special consideration for any material used to be of the toughest weather resistance. This is a very exposed site, corrosion, rotting, dryness are all very important considerations. I imagine they will meet Council [fence requiements and guidelines](#)

4 - SANDSTONE BLOCK

There should be NO (minimal) foreign elements in the reserve. one of my concerns is that the space is made so comfortable that the number of fishermen/visitors increases to an unsustainable level; affecting the natural balance of the reserve and becoming a further hassle for local residents.

5 - FOOTPRINT

Further to my first statement and response to #4, any artificial elements introduced in the reserve must blend and prevent being invasive. There are many examples that the environmental engineers overseeing this project must be aware of as alternatives to just introducing traditional non native objects in to this reserve.

6 - LANDSCAPING

The reserve should be natural and only local species should thrive. My understanding is that rooted plants help in water absorption and keeping a natural balance.that keeps the reserve natural and well conserved. A GREAT example to follow for all of these points is what has been [achieved in Barangaroo](#), I would like to see similar standards followed.

7 - COLORS

Bollards or other elements need to blend. If they cannot be natural/wood then I think toned down white, similar to existing. White is bright and could have a reflective painting if required. alternatively, green.
Hard surfaces should remain as natural as possible, see #1, there are many ways to build out hard surfaces in an environmentally friendly way.

I believe that giving way to non natural elements in the reserve is the first step towards the end of the reserve as it is an acceptance to this introduction of foreign objects. I'm sure that as the project got/gets approved, the non native elements are below a certain % that deems it environmentally feasible. We should be toughening that acceptable % as minimal as possible in order to not lose the current natural aspect and our beloved reserve.

Please consider above and take us back to a simpler proposal.

Regards,

A small, solid black rectangular redaction mark covering the signature.

[REDACTED]

From: [REDACTED]
Sent: Wednesday, 2 March 2022 10:51 AM
To: [REDACTED]
Cc: RVDB - Community; vauclosediamondbay
Subject: [External] RE: Refresh Vaucluse Diamond Bay Project 50% design - COMMENTS

[REDACTED]

[REDACTED]

My preferred option, by a long way is Option 3.

My rationale is that I would like to see the width of Eastern Reserve retained as much as possible.

And any structures necessary for Sydney Water to carry out its maintenance work on the pumping station - kept to the barest minimum.

Option 3 could be improved by:

Lowering the pumping station even further.

By removing the additional bollards inside the reserve. I don't understand the purpose of them?

I would rather have no sandstone blocks. But if they are mandatory – fewer of them. They restrict the width and the “flow” of the Reserve – South to North.

I believe that all residents are unimpressed with the colour yellow – for the bollards. I am sure that you are aware of the significance of yellow – in relation to disease. In past centuries - the "Quebec" signal flag, called the "Yellow Jack", a simple yellow flag, was historically used to signify a vessel was, or might be, harbouring a dangerous disease, and needed to be quarantined. The flag itself represented the letter “Q”.

In view of the fact that the aim of the pumping station is to *overcome* disease and pestilence – why would Sydney Water use yellow to signify this, once they have achieved it? There are plenty of other colours in the rainbow?

My absolute preference would be to “get beyond” the streetscape look of all the proposals, altogether, including this one. A simple, high quality stone hard stand, allowing crane and vehicular access is all that is required. You see these very attractive stone covered open spaces everywhere in Europe, and they are being increasingly used in Australia. A hard stand of this type would integrate what Sydney Water is trying to achieve, much more seamlessly, with the rest of Eastern Reserve. All the current proposals look like a property subdivision?

[REDACTED]

From: [REDACTED]
Sent: Thursday, 10 March 2022 4:34 PM
To: RVDB - Community
Cc: vaclusediamondbay
Subject: [External] Re: Refresh Vaucluse Diamond Bay Project 50% design

[REDACTED]

Hi Coral

Thanks for the update on the Eastern Reserve pump station at the community consultation meeting and the opportunity to provide feedback and preferences on the 3 design options.

My preference for the overall plan is the retaining wall at the fence line on the cliff edge.
In addition the requests provided at the community consultation by the group to be taken into consideration including;

- No yellow bollards
- Review of the road base material to be used, such as gravel or similar.
- Design of area to be in keeping with infrastructure already present in the reserve, i.e. sandstones steps at the end of Bulga Avenue.
- Project being run by Waverley Council addressing bio-diversity within the reserve to be taken into consideration and included in final plans.
- Project being run by Waverley Council (Refer to DA378/2021) for the vegetation planting of the reserve to be taken into consideration and included in the final plan.

In general I agree that this project must go ahead and understand the requirements for a level hard stand area in the reserve. I request that the final design results in the appearance of a public reserve with hardstand, sympathetic to the environment, instead of looking like a sewer treatment works, within Eastern Reserve.

I look forward to the next update.

Regards
[REDACTED]

On Apr 3, 2022, at 12:06 PM, [REDACTED] wrote:

1. Ok with Geo Grid
2. Bollards same as Bulga Road
3. OK with 2205 Stainless Steel where needed.
4. No sandstone blocks
5. Less is More
6. No more plantings
7. Dark grey Bollards
Dark Green equipment boxes

OK

[REDACTED]

Thank you

Sent from [REDACTED]
[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: Sunday, 3 April 2022 1:01 PM
To: [REDACTED]
Subject: Eastern Ave Reserve Pumping Station

I have read the proposal and strongly support the following suggestions:

- 1) using Vevor GEO GRID in the reserve to avoid hard surfaces and retain the pre existing grass in the future
- 2) Grey COMPOSITE wood Bollards that can be bent down when maintenance vehicles need access.
- 3) Any stainless steel used in the fencing, bollards or equipment boxes needs to be fabricated from 2205 stainless steel rather than inferior 316 steel, to avoid ugly corrosion
- 4) NO sandstone blocks or barriers in the reserve to keep it as open as possible as it is now
- 5) Keeping the entire footprint of the pumping station project minimized to allow the area to be as open and close to its existing state as possible
- 6) NO additional plantings in the reserve as part of the Pumping Station project as the shrubs approved by council could grow to 3 metres and it would be a great pity to block the stunning views
- 7) Equipment Boxes should be dark green in colour but also made of 2205 grade stainless steel. The 2205 Bollards could remain stainless steel.

Please let me know what the final decision will be. I sincerely hope that the Council will take into account the amenity of our neighbourhood and not create a blight on our area. We residents would like to continue to enjoy our beautiful surroundings without ugly hard surfaces, blocked views and corroded steel fixtures.

Your sincerely

[REDACTED]
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: Sunday, 3 April 2022 11:35 AM
To: [REDACTED]
Subject: [External] Eastern Av Pumping Station.

[REDACTED]

Hi Bala,

[REDACTED] here. 😊

Feedback for the site.....

1. Geo Grid with grass topping.
2. 2205 Stainless Steel for all bollards and metal cabinets.
3. Leave the area as open as possible.
4. Plants to a maximum MATURE height of 1.00m to 1.25m.
5. All equipment coverings painted dark green.

Aside from that, I would like to personally compliment you and your team on being so proactive and positive across this entire project.

As a Builder, I understand how much effort goes on behind the scenes, to get an efficient result, that satisfies the client, which most people have no idea actually occurs.

Thank you for your many fantastic efforts.!!!

Faithfully,

[REDACTED] 😊😊😊

From: [REDACTED]
Sent: Monday, 4 April 2022 9:31 AM
To: [REDACTED]
Subject: Eastern Avenue - Sydney Water Pumping Station

Hello there,

I'm a resident of Eastern Avenue and this email is to raise my concern and provide feedback on the latest design presented to us.

I feel as I have mentioned in the few meetings we had, the latest design is nothing near what you presented to us originally and I'm concerned this project is destroying our reserve.

Feedback on the design:

1 - GROUND SURFACES

USE VEVOR Geo Grid Ground Grid as per the image below would allow the reserve to remain as grass but would also support the maintenance vehicles that might have to go into the reserve 1 to 3 times a year...

I encourage you to suggest using the Vevor GEO GRID in the reserve to we can avoid hard surfaces and retain the pre existing grass in the future

https://www.vevor.com.au/geo-grid-ground-grid-c_10198



2 -BOLLARDS

At the end of Bulga Road we already have Grey COMPOSITE wood Bollards that can be bent down when maintenance vehicles need access. See attached image. I suggest that these composite bollards can resist the element as they have proven themselves at Bulga Road. These composite wood bollards would be a good solution for the end of Eastern Ave between the road and the reserve

For bollards INSIDE the reserve I suggest the pop up / retractable bollards are the best solution. These would be hidden in the ground and then only popped up when needed which is 1 to 3 times a year. See attached image and check out this video

<https://www.youtube.com/watch?v=fjdGbiBsD84>

3 - STAINLESS STEEL

Any stainless steel used in the fencing, bollards or equipment boxes needs to be fabricated from 2205 stainless steel. If inferior grades of stainless steel are used as was done at Hugh Bamford Reserve and Notts Ave we will end up with corroded and tea stained steel that looks horrible - see attached

4 - SANDSTONE BLOCKS

Sandstone blocks or barriers in the reserve will end up turning green and will never be maintained by council. I suggest that there be NO sandstone blocks or barriers in the reserve to keep it as open as possible as it is now

5 - FOOTPRINT

Most residents have agreed that less is more and that the entire footprint of the pumping station project should be minimized to allow the area to be as open and close to its existing state as possible

6 - COLORS

I suggest the composite bollards should be grey as they currently are at Bulga Road.

Any stainless steel retractable bollards should be steel color but made of 2205 grade stainless steel

Equipment Boxes should be dark green in color but also made of 2205 grade stainless steel

From: [REDACTED]
Sent: Tuesday, 5 April 2022 7:24 PM
To: [REDACTED]
Subject: Re: URGENT - Eastern Ave Reserve / Sydney Water Pumping Station

Dear Sydney Water and Consultants,

Further to my previous email to you (which appears below for your convenience), additional interesting information has surfaced that I feel could be of value to your final design deliberations. They are:-

1. Ground Surfaces. VEVOR Geo Grid (Grass filled Ground Grid) would be an excellent solution if their product range can withstand the load of your maintenance vehicles.
2. Bollards. The use of grey composite wood bollards that can be laid down to allow for vehicular access is an attractive solution. It also eliminates western sun glare on stainless steel bollards.
3. Landscaping. I strongly request that NO additional planting be incorporated in your project. Some residents have been let down by Council on previous occasions.

Once again, thank you for considering the above points with those originally submitted. Kindly advise me of developments.

Yours sincerely,

[REDACTED]

----- Original Message -----

From: [REDACTED]

To: [REDACTED]

Sent: 1/04/2022 10:57:40 AM

Subject: URGENT - Eastern Ave Reserve / Sydney Water Pumping Station

Dear Sydney Water and Consultants,

I attended the meeting at the foot of Eastern Ave. Dover Heights on Thursday March 24 and would like to make a few points:-

1. The development needs to be as "invisible" as possible.
 2. The concerns of the immediate neighbours need to be fully addressed as the *full* impact will be on them.
 3. The particulars of the specific site need to be very carefully considered. Concerns have been raised over caverns and seepage.
 4. Of the three options, I prefer the one with the retaining wall at the cliff face and further request that:-
 - All ground surfaces need to be as close to the colour of grass as possible to blend in maximally.
 - Bollards should be used to the minimum extent possible.
 - Any exposed steel that is used should be Stainless Steel 2205 grade.
- (Waverley Council has realised that the additional upfront cost saves a far greater amount in future maintenance).
- If sandstone blocks or similar are required, they should be carefully sized and suitable for seating.

Thank you for considering the above points. Kindly advise me of developments.

Yours sincerely,

[REDACTED]

From: [REDACTED]
Sent: Sunday, 10 April 2022 1:13 AM
To: [REDACTED]
Subject: Fwd: Eastern Ave Reserve Pumping Station

[REDACTED]

I have read the proposal and strongly support the following suggestions:

- 1) using Vevor GEO GRID in the reserve to avoid hard surfaces and retain the pre existing grass in the future
- 2) Grey COMPOSITE wood Bollards that can be bent down when maintenance vehicles need access.
- 3) Any stainless steel used in the fencing, bollards or equipment boxes needs to be fabricated from 2205 stainless steel rather than inferior 316 steel, to avoid ugly corrosion
- 4) NO sandstone blocks or barriers in the reserve to keep it as open as possible as it is now
- 5) Keeping the entire footprint of the pumping station project minimized to allow the area to be as open and close to its existing state as possible
- 6) NO additional plantings in the reserve as part of the Pumping Station project as the shrubs approved by council could grow to 3 metres and it would be a great pity to block the stunning views
- 7) Equipment Boxes should be dark green in colour but also made of 2205 grade stainless steel. The 2205 Bollards could remain stainless steel.

Please let me know what the final decision will be. I sincerely hope that the Council will take into account the amenity of our neighbourhood and not create a blight on our area. We residents would like to continue to enjoy our beautiful surroundings without ugly hard surfaces, blocked views and corroded steel fixtures.

From: [REDACTED]
Sent: Monday, 25 April 2022 10:07 AM
To: vaclusediamondbay
Cc: [REDACTED]
Subject: [External] Response to April 22 "Refresh Vacluse and Diamond Bay"

CAUTION: External Email. This email and any attachments are UNCLASSIFIED//FOR OFFICIAL USE ONLY (U//FOUO). Do not disseminate to the public or other personnel who do not have a valid "need to know" without prior approval of the appropriate authority.

[REDACTED]

Thank you for the opportunity to comment. The scale of encroachment into green public space is outrageous, and Sydney Water's significant modification of the design from that previously circulated in the Final Decision Report (Sydney Water, December 2020) is an abuse of trust and the public consultation process. In that report, Sydney Water acknowledged that visual amenity impacts were the number one objection (s5.1), and the report proposed a design response that went some way earnestly towards addressing those problems.

As now presented 18-months later, the increase in bulk, intrusive retaining walls, bollards or blocks, increased plant (hatches, boxes, vents) significantly and permanently damages the character of the park. This is bad at a personal level: this is the only near-level part of the park where I can kick the ball with my kids. But this is also part of the Bondi to Manly Ocean Walk, variously described as iconic by the Sydney Morning Herald and ABC (for example

<https://www.abc.net.au/radio/sydney/programs/breakfast/walks/13599044>) The visual quality and amenity of this area is relevant not just to nearby residents, but to anyone enjoying the Bondi to Manly walk.

As presented in the Decision Report (Dec 2020), the design was an irritating intrusion, with some prospect of concealing two boxes with plantings. As now presented, it is effective alienation or theft of public open space in a sensitive and valuable location.

There is in my opinion no paint, surface texture, bollard style, "on message" solar light that can redeem this proposal. It requires a fundamental reset: a reconsideration of technology, maintenance approach and location. It is mind boggling that Sydney Water, and seemingly our MLA for Vacluse, considers it acceptable. It reflects a fundamental disconnect on values, on the respect with which public parks are expected to be treated in a liberal urban society. If this progresses, my dissatisfaction, which I know is shared by many, will be made felt.

--
[REDACTED]
[REDACTED]

From: [REDACTED]
Sent: Monday, 25 April 2022 2:12 PM
To: vaclusediambay
Subject: [External] Eastern Reserve, Dover Heights: pump station

[CAUTION - External email]

Hello,

I have been writing to you for a few years now since the initial proposal of the pump station at Eastern Reserve, Dover Heights. Unfortunately all the previous concerns expressed haven't been taken into account with the latest design which is an **ABSOLUTE EYESORE**. As a designer myself I know that there must be **BETTER** options that are aesthetically and functionally better than what has been submitted. As residents we **LOOK** directly at this reserve every single day as well as **USE** this space for exercise, activities and community gatherings. There are actually no positives from this layout **AT ALL** that I can say work, but below is a list of many things that **DO NOT** work.

- too many bollards and bright yellow is a hideous colour
- too many slabs of concrete
- too many pole structures blocking our views (multiple light poles, 18 metre vent etc)
- too many turrets and kiosk
- retaining wall taking away recreation area
- safety of the underground construction (considering the cliff face and caverns underneath)
- noise of the pumping station
- smell from the vent

As a community we use this flat part of the reserve as it is the **ONLY** space we can use. If you took the time to ask the residents you would know we hold festive functions, group picnics, exercise classes, children and pets playing - all in this **EXACT** area. Apart from the fact that instead of looking out and seeing our lovely park with clear ocean views it is going to be an industrial estate with poles/concrete/turrets everywhere making it look like an obstacle course. You are taking away the reason why we moved and live in Eastern Avenue - we all wanted to be next to nature and now that is on the verge of disappearing! You are also jeopardising the value of our homes by creating an **UGLY FOCAL POINT** that will highlight the fact that the sewage is right here which will definitely have an affect on depreciating the house prices.

Why can't the design be minimal, clean, hidden and moved over towards Bulga or Oceanview in the unused areas between the streets? This solution is just a cheap and easy band-aid without **ANY** thought about taking away that actual usable parkland space. We have had **NO** progress with anything that has been raised before and frankly I am sick of talking about this over the last couple of years without being heard!

Regards,
[REDACTED]

Email sent using Optus Webmail

From: [REDACTED]
Sent: Thursday, 28 April 2022 11:26 AM
To: [REDACTED]
Subject: [REDACTED] Submission re Eastern Ave Reserve / Sydney Water Pumping Station

Dear [REDACTED]

Hope this finds you well. Here is my very specific feedback about the pumping station at Eastern Reserve. Please refer to attached photos. Overall the area should look as close as possible to what was the concept design presented BEFORE Comdain created their 50% designs. I do feel that we were all misled by what we thought we were getting in terms of visual impacts and what we were presented at 50% by Comdain. I realize you want to do your best to make everyone happy but you really have to take the below suggestions seriously if you want most residents to be relatively happy with the results.

This is a big budget project and the additional costs to use proper materials like 2205 Stainless are small when compared to the big picture of the overall costs

The VEVOR GEO GRID and the PULL UP Bollards are innovative solutions and should be fully embraced by the design team

All the best

[REDACTED]

1 - GROUND SURFACES - see attached image

Forget the hard surfaces already proposed. Please use **VEVOR Geo Grid Ground Grid** will allow you to bring your maintenance trucks when needs but will allow there to be grass year round. - **Note-HIGH STRENGTH & LATERAL LIMIT** - The ground stabilization grid features tensile strength that holds up to 1885 LBS per square inch when cells are filled.

•

https://www.vevor.com.au/geo-grid-ground-grid-c_10198/vevor-geo-grid-ground-grid-geo-cell-grid-9x17ft-gravel-geo-grid-4-inch-high-p_010760875047Do you prefer painted concrete, artificial grass, pebbles or hard foam like they have in children's playgrounds

2 - BOLLARDS- The Pull up steel Bollards in my attached image are the perfect solution. They are not in sight when not in use, do not require electricity or mechanical anything to use. You just open the cover, pull up the bollard, secure in place and then put it back into its ground storage when not in use. This allows the reserve to maintain its appearance but allows for the safety needed for when maintenance vehicles are needed. ALL materials used should be 2205 Stainless Steel. DO NOT USE INFERIOR GRADE STEEL..

3 - STAINLESS STEEL - ANY stainless steel that is used in Bollards or Fencing or equipment boxes MUST BE 2205 Stainless Steel that will not tea stain or corrode - THIS IS CRITICAL. ANY LOWER GRADE OF STEEL IS NOT ACCEPTABLE

4 - SANDSTONE BLOCKs - There should be NO SANDSTONE BLOCKS or barriers of any kind inside the reserve. The reserve should be as close to its original state as possible which means NO blocks.

5 - FOOTPRINT - The entire footprint of the pumping station and any new surfaces should be minimized. The footprint of works should be as close to Eastern Ave as possible and as far from the cliff as possible

6 - LANDSCAPING - Due to the issues we already have with the Cliff Walk and Biodiveristy Action Plan proposed plantings I DO NOT want ANY addtional planting as part of this project other than grass as part of the **VEVOR Geo Grid**

7 - COLORS - Equipment boxes should be GREEN to blend into the grass of the reserve. Any materials that will be visible should be green. NO YELLOW SHOULD BE USED ANYWHERE. Hidden Pull Up Bollards can be stainless steel color but MUST BE 2205 grade or above

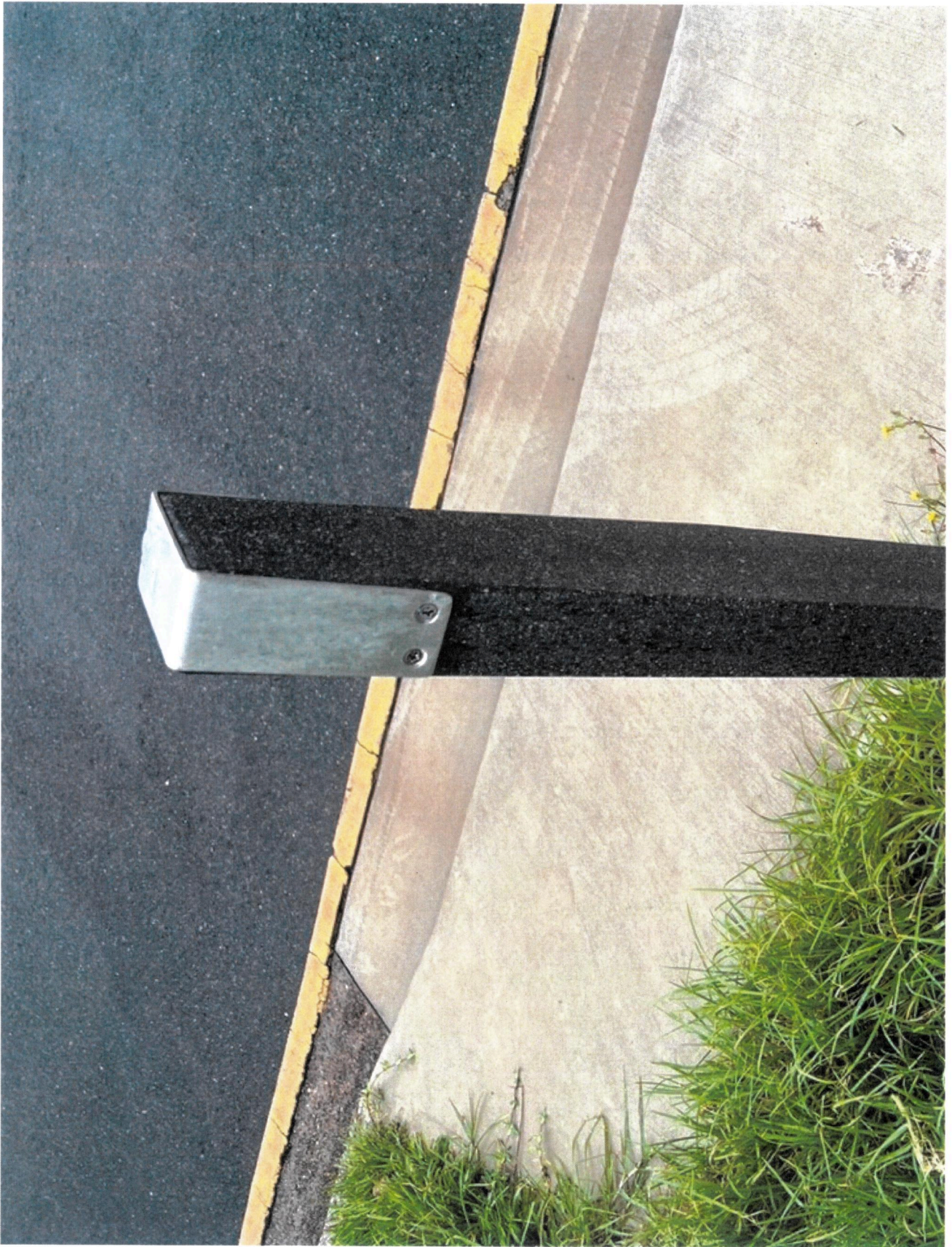
8 - COASTAL FENCE - The design of the coastal fence has been dicated by Waverely Council. However the materials used are NOT. ONLY 2205 Stainless Steel should be used in the section of the Coastal Fence which is part of this project. The wood panel infill in the Waverely Coatal Fence should be made of composite wood in a brown color. Real wood should NOT be used as it will quickly disintegrate in the elements

9 - BOLLARDS between Eastern Ave and the Reserve. See attached photo or look at Bulga Road. The composite grey bollards on a concrete footing which have a lock and go flat are perfectly suited to this environment and are aready shown to be appropriated at Bulga Road

All the best









Inferior 316 Steel Newly Installed in Hugh Bamford - Tell Council We Want 2205 Steel For



From: [REDACTED]
Sent: Thursday, 28 April 2022 10:48 PM
To: vaclusediamondbay
Cc: [REDACTED]
Subject: [External] community feedback and discussions 27/4
Attachments: [REDACTED] Submission re Eastern Ave Reserve Sydney Water Pumping Station

[REDACTED]

[REDACTED]

Hi [REDACTED]

I wanted to make sure you had an opportunity to review the submissions and comments [REDACTED] made both back to the project and yesterday

Background

My take on the situation is that SW went through the process and had good engagement with the community and advice in the early stages of the project where the options and impact analysis was considered. The group provided advice for the site and the options proposed based on the impact they could see in the beginning. The challenge SW changed the 202 concept design and failed to provide transparency to the advice group to see if they would have still picked the same options.

From yesterday

Discussion with all of the stakeholder on the street indicates that the community was not made aware of the material impacts of the updated design and provided no opportunity to discuss and help provide feedback in the decisions being made.

Now that we have all seen the new design and the enormous impacts it will have on the reserve I would strongly encourage Sydney water to reconsider how you move forward in a constructive way, yesterday was seen by many as pure necessary steps to take instead of actually providing a quality outcome with the taxpayer money.

Given the impact being consider now is **material** (yes the site has not changed) the residence would be in their right to argue that the options that were considered did not take into account the new design.

[REDACTED] was clear that he did not support the current proposal and felt that Sydney Water were not transparent once they realised the design was being so dramatically changed.

[REDACTED] also made a number of other suggestions (attached) in his submissions why were these options and acknowledgement of them not discussed in the meeting.

When we have our next meeting lets try to come back to the stakeholders with a different approach to the design and take some out of the box ideas through the options.

Couple of other suggestions

- a) What were the costs of the other options considered that had a lower impact to Eastern Ave vs the cost of the current proposal
- b) Consider asking for a resident group to be engaged based on the new material design
- c) Have a external consultant come back with ideas where the brief states minimal impact to reserve
- d) Discussion with ocean ave residence on their 2 stacks should be considered as urgent given the surprise from the stakeholder in the meeting
- e) Discuss [REDACTED] proposals and provide more details on options not selected and reasons for them not being selected

Regards

[REDACTED]

Dover Heights

[REDACTED]

Eastern Reserve email #14

From: [REDACTED]
Sent: Monday, 2 May 2022 8:10 AM
To: [REDACTED]
Cc: RVDB - Community; [REDACTED] vauclosediamondbay; Gabrielle Upton MP; [REDACTED]
[REDACTED]
[REDACTED]
Subject: [External] Re: Regarding Eastern Ave Reserve/"Refresh"/Sewage Pump Station

[REDACTED]

[REDACTED]

CAUTION: External Email: Please do not click on links or open attachments unless you are expecting this message.

[REDACTED]

Dear all,
My family and I are in complete agreement with [REDACTED] email.
In particular, the obliteration of public space is a travesty and far from the original design. The trucks that need to access the reserve should turn and stop in the street or at most west of the existing picket fence. Our garbage trucks have no troubles turning there nor have multiple trucks used by multiple builders. No one from the design team has been able to explain why the pumping station can't be located closer to the street.
Lastly, I note that community representation in the design ceased at the 10% completion step. This deliberate lack of community involvement is at best an oversight and at worst a calculated ploy. Please restore community input into the remaining 50%.
Thank you.

[REDACTED]

From: [REDACTED]
Sent: Tuesday, 19 April 2022 10:25 AM
To: [REDACTED] vaclusediambay;
vaocluse@parliament.nsw.gov.au;
Cc: [REDACTED]
[REDACTED]
[REDACTED]
Subject: editorial@wentworthcourier.com.au; 'ElectorateOffice Vaocluse'
[External] RE: Additional and URGENT Eastern Ave Reserve Dover Heights Sewage Pump
Station

Dear All

I must echo the below message and add my own expression of dismay to our "servants of the public" who propose to do us such a disservice.

The very recent cliff collapse close to Eastern Reserve and the recent Blue Mountains tragedy, should both serve to further illustrate the absolute folly of the proposed excavations by Sydney Water.

My own experience of being first offered complete disclosure of LIDAR and geophysical data, and then seeing this delayed and eventually forgotten, must raise further concerns of the data either being "sanitized" or outright denied due to its potentially alarming content.

However, as so eloquently expressed below, "full consultation" appears to have been carefully stage managed by;

1. being delayed until 50% completion of planning,
2. selective consultation, and
3. major changes only being revealed in the later stages.

Further, the 18 metre vent stack would appear to be the final "unpleasant" revelation, begging questions of :

1. wind borne odour throughout the neighbourhood where no such issue exists with the present outfalls,
2. construction materials in a corrosive environment,
3. guy wire security requirement, and
4. a further unsightly industrial addition to an area in use as public recreational space.

Additionally this last revelation also suggests further issues yet to be revealed.

It should be patently obvious from the above, that a host of serious safety and environmental issues are created as a result of the attempt to resolve a much lesser problem.

As I have previously articulated, the "problem" of the ocean outfalls is, in my opinion, largely imaginary, since the science and data do not support any plausible argument demanding resolution, much less actually justifying vandalising

the security of the cliffs, and existing parkland.

I must also express that as ratepayers and residents, that to remain silent is to agree to the Sydney Water proposals for the sewerage pump station in Eastern Reserve.

If you are not happy with the proposal you must also make this known.

Kind regards

A black rectangular redaction box covering the signature.

From: [REDACTED]
Sent: Tuesday, 26 April 2022 2:12 PM
To: vaclusediamondbay
Subject: [External] Comdain Intrastructure

[REDACTED]

[REDACTED]

Good Day Sydney Water,

In the 30 years of discussion about the Vaocluse Ocean Outfall Sewer, I cannot not recall the name Comdain Intrastructure. Its name suddenly appears in the reminder for tomorrow's zoom meeting. How does it fit into the long running project? Is it aware of all the previous documentation on the project? Is it really familiar with the sites and roads around the sites?

Thank you

[REDACTED]

26/4/22

From: [REDACTED]
Sent: Friday, 29 April 2022 1:16 PM
To: vaclusediambay
Subject: [External] RVDB Online information session 27 April 22

[REDACTED]

[REDACTED]

Good Day Sydney Water,

I attended the session on 2 links because at exactly 5:00 pm, the listed start time, my lap top link was not working so I tried my desk top. A few minutes later both came alive. When there is going to be an on line session, the mode should be announced in the invitation. I was expecting zoom like the previous one. Older participants need to be prepared for differing technologies.

I understand that for privacy that rate payers' faces may not be shown, but I expect that all Sydney Water staff and others working for Sydney Water should have their faces shown whilst addressing the session.

I have supported the project since my first letter in 1992.

Each time I receive a "Refresh VDB" leaflet in my letterbox, I fear how much longer the project is now taking to complete. The latest leaflet did not provide a completion date, but, by questioning during the session it was given as 2025. Why was it not given in the leaflet?

The article on page 12 of the Wentworth Courier , April 27, 2022 delivered after the session gave "by late 2024 or early 2025".

As this project started 30 years ago, I would have expected all rate payers and groups who had made submissions in the 1990s would have been contacted when the project was revitalised. It was stated that ads had been placed in the papers to form the consultation groups. I may have been away on holidays; I did not see the ads.

To me it appears that the project could be split into two separate projects. From Wednesday's session it appears that Parsley Bay is about ready to go; but Dover Heights is enmeshed in a NIMBY fight about where the SPS is going to be installed.

Sydney Water has been building SPSs for over 100 years; it appears to me that the project team has gone back to square one for these SPSs.

Thank you

[REDACTED]

Vaucluse Ocean Outfall Sewer document delivered 16th April 22

I refer to the Sydney Water document headed “Refresh Vaucluse and Diamond Bay” reference number “**WB 99 03/22**” that was delivered to my mailbox on 16th April 22. It was delivered on the afternoon of Easter Saturday. This day is within the school holidays period and during the period of major religious activities such as Passover, Easter and Ramadan; this is a time when many may be distracted and not take note of the document. Was it the intention to have the maximum or minimum number of customers read the document?

The document gives me the impression that it was rushed out and not adequately proof read. Some examples:

front page “We know it won’t be simple or easy to retrofit” versus “We know it won’t be simple nor easy to retrofit”

page 2 “Turrents” versus “Turrets”

back page “Ballards” versus “Bollards”

page 2 “The **reduced pressure zone valve (RPZ)** is a backflow prevention device and is necessary to minimise the risk of overflows and contamination.” versus “The **reduced pressure zone valve (RPZ)** is a backflow prevention device and is necessary to prevent contamination of the potable water supply.” However, the pipework to which the pointer is directed is coloured purple-violet which is the colour used to designate a recycled water pipe.

back page “The reduced pressure zone valve will minimise the risk of overflows.” versus “The reduced pressure zone valve will prevent contamination of the potable water supply.” From the diagram it appears that the device is coloured purple.

I have supported the proposal to divert the sewage from the Vaucluse Ocean Outfall Sewer to Bondi STP for treatment since the Water Board’s “Neighbourhood News, September 1992 – Newsletter No 1” was delivered. Over the years I have made supporting submissions for the proposal. This is now the **thirtieth** year of public consultation about this project.

When the Honourable Tim Moore was Sydney Water’s Minister, he promised to have the work completed by 1995!

When the “Review of Environmental Factors” was made available in 2020, I made both a written submission and participated in one of the ‘Zoom’ sessions. I feel that all the submissions that were made were what a reasonable person could have expected on the information supplied (or not supplied) in the REF.

In 2020’s undated “Refresh Vaucluse and Diamond Bay”, the construction was to have commenced in ‘Mid-2021’ and operations started ‘Mid-to-late 2022’. In the March 2021’s undated “Refresh Vaucluse and Diamond Bay”, the construction was to have commenced in ‘Early 2022’ and operations started ‘Late 2023’. In the September 2021’s undated “Refresh Vaucluse and Diamond Bay”, ‘Construction is expected to commence next year’. In 2021 “Refresh Vaucluse and Diamond Bay” with “Completion of new pump station” is now early 2024, my very strong opinion that the whole project is being further delayed! It reinforces to me that each issue of the “Refresh Vaucluse and Diamond Bay” document is an excuse to further delay the completion of this important project.

The current document has failed to provide any construction and completion dates. The document in ‘Get in touch’ has “Call – 1800 491 757”. On the afternoon of Tuesday 19 April, I phoned 1800 491 757. I was connected and spoke to a Sydney Water person. This is

the first time after “Refresh Vacluse Diamond Bay” document letterbox drop that the provided phone number actually worked on the first business day after the drop!

In the December 2021 edition, the vent stack in Eastern Reserve had an unusual feature in that it had a solar panel to provide power for lighting. The current document has a block of text coving the top of the vent stack on the diagram, so it is not possible to see if this is still currently proposed.

The sewage pumping station at Parsley Bay will have “a passive filter to remove odour”. Does it work by adsorption or absorption? How often will it have to be serviced/replaced?

The document states “We will hold an online Q&A session on Wednesday 27 April 2022.” It does not provide any timing for the Q&A session! This information has been hidden on the ‘QRcode’.

The document states “please visit our website”, but it does not provide a link!

For previous documents, the number of public parking spaces that will be lost has been raised. This document goes back with “parking spaces will be re-configured to minimise the loss of the car spaces”. This is vaguer and appears to be going backwards in the information that was supplied in previous documents to the public.

The use of QRcodes is a new gimmick. In the 2020 Zoom sessions, an ‘out of the hat’ polling action was produced without any prior warning to the participants.

After 30 years, Sydney Water should have already built up a large mailing list of people interested in the project from those who had made submissions, attended public meetings at Diamond Bay and at Dover Heights, attended on site meetings, shopping centre displays, made submissions through politicians etc so why now in the QRcodes are they asking who wants to go on a list?

The main thing that I got out of the document is that the project is again further delayed.

I want the project to be completed but I am getting the impression that someone is trying to derail the project.

██████████
████████████████████

21 April 2022

From: [REDACTED]
Sent: Monday, 18 April 2022 8:34 AM
To: Delivering4Customers; WaterTalk; vauclosediamondbay
Cc: [REDACTED]
Subject: [External] URGENT Refresh Vaucluse and Diamond Bay Sewage Pump Project

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

> Dear Sydney Water Community Engagement Manager, VaucluseDiamondBay

> Sydney Water Project, We are writing regarding the refresh Diamond Bay project. There are many concerned residents, and further to this, many have been unaware of the Eastern Ave sewage Pump Station plans. It appears the messaging has been very confusing and a huge number of residents have not received related information nor updates. Many have received information about the proposed upgrade works to the Diamond Bay walk, being managed by Waverley council, yet completely unaware about the sewage pump station. The messaging has been mixed and not as transparent as it should have been especially regarding such a major work, impacting our neighbourhood. Only yesterday an Eastern Ave resident who has been living on the street for the past 18 months said " what pump station?"!! This is far from optimal community engagement, especially when the sewage pump station may solve the sewage outflow to ocean situation, while simultaneously damaging cliff infrastructure, potential cliff stability, damage and remove open green recreational space and replace it with metal vents, bollards, concrete vehicle access and a very tall sewage odour vent; for which all Eastern Ave residents, locals and visitors who frequent the reserve, will be affected by! This contrasts to the proposed Parsley Bay Pump Station which is planned for a car park next to public toilets. It's just not acceptable that the vast majority of the local community have been for the most part left out of the conversation until only very recently when it appears plans are much more progressed.

>

> May you please inform us and provide proof of documentation related to community engagement that has occurred from the beginning on this Eastern Ave Pump Station project until currently. We live on Eastern Ave and we remember one letter over a year ago stating the intention, yet also stating there was nothing to be done at that point, and that the community would be provided with updates and contacts along the way for regular engagement. Next we find out that a small group of residents have met up over very recent months regarding expressing concerns, and that there have been a couple of recent Sydney Water/Waverley council meetings that were not clearly made known to all locals, and now we are aware of the 3 design option survey.

> What happened to everything in between? Also highlighting that apart from the most recent survey correspondence, huge numbers of locals really have not been aware, thus have not been able to engage or attend meetings. They just haven't known because clear, regular well dispersed, transparent and timely community engagement has not transpired. How is this possible? We all know that people and families are busy. So key communication to engage ALL residents is paramount. Messaging should also contain key words such as "Sewage Pump station" not just "Refresh" as in current branding, as that is intentionally ambiguous and doesn't lead to locals feeling the need to enquire more. Honesty and transparency in the messaging is crucial and what locals and the community deserve. Community members have a collective right to understand projects that will impact their local area, homes, recreational space, in addition to having a potential negative impact on their hard earned property value.

>

> The fact is, residents and locals are NOT happy with the location of the proposed Eastern Ave Pump Station, and feel it is solving one environmental problem, while causing multiple other environmental issues.

>

> We welcome the Sydney Water community engagement on the current designs, yet the MAIN point is that we feel a location solution needs to be urgently found, as this project will ruin our local reserve and thus our natural local environment. We realise Sydney Water's focus is on "water", yet that should not come at the expense of natural green and open space, nor at the expense of unique and iconic cliff terrain potentially destabilising it. No amount of geophysical testing can ensure cliff damage won't occur. Additionally, shouldn't such geophysical testing be publicly available? We would like to be provided with these reports.

>
> Solutions need to be urgently found, and ALL locals need to be urgently, transparently and appropriately engaged including those from CALD backgrounds.
>
> Looking forward to hearing from you.
> Sincerely,
> [REDACTED]
> [REDACTED]
> Eastern Ave Dover Heights residents

From: [REDACTED]
Sent: Sunday, 24 April 2022 9:42 PM
To: [REDACTED]
Cc: vaclusediambondbay
vaocluse@parliament.nsw.gov.au; [REDACTED]
Subject: [External] Please urgently reconsider the location of a Sewage Pump Station at Eastern Ave Reserve

[REDACTED]

[REDACTED]

Dear Decision makers,

Many residents and frequent visitors to Eastern Ave Reserve are most unhappy with a Sewage Pump Station planned for this location.

How can there be justification of negatively transforming natural open recreational space over majestic and iconic cliffs, into a Sewage Pump Station? Further to this, the massive project will not necessarily prevent sewage ocean outflow in wet weather. Partially solving one environmental issue yet causing other negative environmental impacts is not an acceptable solution. The pump station will essentially take over the entire open Eastern Ave Reserve area, replacing it with a concrete vehicle turning circle, metal bollards, metal vents and boxes and an 18 m odour vent! Stating that this does not have a community or environmental impact is false.

Additionally, the current designs differ significantly from the determination document. This has been most misleading to the community and surely is not appropriate.

We feel strongly that a new location be found for this second sewage pump station as part of the "Refresh" Project.

Please see the link for a growing community petition saying NO to a Sewage Pump Station at Eastern Ave Reserve.

<https://chnng.it/sK8hVHfhdp>

We support the plan to close sewage ocean outflow, yet we do not support the location of Eastern Ave Reserve. We strongly urge all decision makers to please consider another solution that does not destroy this lovely open and natural space. The majority of the community voices are NOT happy and we feel it paramount that our voices are heard and respected. This should be a collaborative project between all involved parties, which includes and respects community voices, and avoids having a negative impact on our local, natural, open and recreational environments.

We look forward to hearing from you.

Sincerely,
[REDACTED]

From: [REDACTED]
Sent: Sunday, 1 May 2022 9:07 PM
To: RVDB - Community; [REDACTED] vauclosediamondbay@sydneywater.com.au;
vaocluse@parliament.nsw.gov.au; [REDACTED]
Delivering4Customers@sydneywater.com.au
Cc: [REDACTED]
Subject: Regarding Eastern Ave Reserve/"Refresh"/Sewage Pump Station

Dear Waverley Council, Sydney Water and Comdain Engineering,

We are following up after last week's meeting and recent correspondence.

It must be now clear to your team that the community is **not supportive** of the current Eastern Ave Reserve Sewage Pump Station Plans.

We are strongly requesting that prior to progressing the project any further, that you collectively consider our serious requests to find appropriate and acceptable long term solutions. Solutions that don't have a negative environmental impact. Solutions that don't take away very utilised, public recreational, open space. The current designs may be the easier option for a pump station, yet they destroy parkland which can never be replaced. This project is clearly a significant undertaking. It is costly and difficult. Solutions and strategies need to be optimal for many decades/centuries to come. The vision is a long term one, and as such, we strongly feel that a different strategy regarding Eastern Ave Reserve needs to be explored.

As per Waverley Council's Open Space and Recreation Strategy 2021–2031, it was evident that Waverley LGA needs "more areas for passive recreation and contemplation." Following from this the Report stated, "open spaces in Waverley [have] significant environmental values and form an important part of the ecology... which need to be respected". The report focused on **conserving existing parklands and open spaces and on the crucial importance of respecting community values. It also mentioned protecting unique landscape environments.**

As I am sure you are all aware, Waverley LGA is one of the most densely populated LGAs in Australia. The last thing this area needs is to lose any open parkland. Particularly unique cliffside parkland of a **Coastal Sandstone Escarpment Conservation Area.**

Further to the above, it is clearly evident and documented in the "Vaucluse Diamond Bay Ocean Outfalls Project Statement of Heritage Impact

Report March 2020", that recommendations were made based and dependent upon prior pump station designs and not on the current design proposals. Therefore, the recommendations could not possibly hold. The environmental and community impact with the current designs is significantly different to inferred impact with the earlier design; the earlier design which was provided to decision makers and the community at the time.

Quoting from this Heritage Impact Report, "The design of proposed pumping stations would aim to be sympathetic to Parsley Bay Reserve and the Coastal Sandstone Escarpment Conservation Area's existing nature and designed to minimise physical and visual impacts towards these areas"

Further quotes from the 2020 Heritage Report, again clearly based on the earlier design, **“Therefore, provided all mitigation measures are followed**, the proposed works would have a minor – moderate direct impact to the Sandstone Escarpment Conservation Area.

The proposed establishment of a pumping station immediately east of Eastern Avenue is unlikely to result in substantial impacts to the conservation area as the majority of new infrastructure would be located below ground, with only service pits or other relatively small infrastructure visible to members of the public. The above ground electrical kiosk associated with the pumping station would be placed flush along an existing fence line between a residential property at 57 Eastern Avenue, Dover Heights and the grassed escarpment area. This would be relatively obscured from view by vegetation and the presence of the fence. Therefore, works associated with the pumping station would be considered a minor impact to the overall heritage of the item.

Vaucluse Diamond Bay Ocean Outfalls Project Statement of Heritage Impact Page 69”

“The proposed pumping station immediately east of Eastern Avenue would be located in an area that is highly visible in the existing landscape and located within the Waverly LEP 2012 listed Coastal Sandstone Escarpment Conservation Area. Its construction would result in a minor to moderate direct (physical) and indirect (visual) impact to the item as it would modify the existing landscape through the establishment of electrical kiosks and removal of an existing picket fence.”

There is no mention of a concrete vehicle turning circle, no mention of vent stacks, no mention of an 18 m odour vent, no mention of a retaining wall, no mention of metal bollards ++

Then follows the mitigations and recommendations from this report, **“The following mitigation measures and recommendations should be enacted to minimise heritage impacts during works.**

- Any project redesign resulting in new ground disturbance or impacts to building fabric or the existing landscape must be assessed in an addendum to this SoHI
- All impacted areas should be reinstated as near as possible to their original appearance following the completion of works
- In order to reduce impacts to the heritage significance of the Sandstone Escarpment Conservation Area (Waverley LEP 2012 C37), it is recommended that:
 - An existing picket fence at Eastern Avenue proposed to be removed for the project would be retained or reinstated if feasible
 - Sandstone outcrops be protected and avoided where feasible”

So following from this, it is evident that:-

- An addendum would be needed to progress the project
- That the current design proposals are not consistent with the heritage report recommendations.
- That the current designs and loss of parkland are inconsistent with Waverley Council’s vision and strategies for the area.
- That the community is unhappy with the current design, location, negative environmental and community impact, regarding the Eastern Ave Reserve Sewage Pump Station (<https://chnng.it/sK8hVHfhdP>)

Additionally, is Eastern Ave Reserve Community or Operational Land? Is the Eastern Ave Reserve Pump Station/Refresh Project a Part 5 Development?

We support the overall concept of closing sewage ocean outflow. Yet we do not support damaging our local landscape and taking away scarce open parkland; parkland and space which is included in a Coastal Sandstone Escarpment Conservation Area.

We are demanding long term and acceptable solutions.

Kind Regards,



From: [REDACTED]
Sent: Tuesday, 3 May 2022 3:26 PM
To: majorprojects@waverley.nsw.gov.au; [REDACTED] RVDB - Community;
vauclosediamondbay@sydneywater.com.au; vauclose@parliament.nsw.gov.au
Cc: [REDACTED]
Subject: Refresh Eastern Ave Reserve

[REDACTED]

[REDACTED]

Dear Sydney Water, Comdain and Waverley Council,
receiving the below in the mail today, displays that clearly you have decided not to address the very valid community concerns, prior to proceeding with this project.

After the Wednesday 27th April meeting, the community made it very clear that multiple issues and concerns require addressing. We are yet to see any suggestions/solutions from yourselves regarding the location or design after this meeting.

If you are still working on the current design proposals, then there is a requirement for addendums to the past decision and heritage impact documents. If you have new designs as per currently, then decisions and impact reports etc. need to be based on those designs. Surely you can't proceed based on reports and documents of the past!

We are still awaiting answers on who owns Eastern Ave Reserve, in addition to whether it is community or operational land.

If this is a Part 5 development, have you discharged your duty of environmental impact (under section 5.5)? If so, on what basis? What powers are you relying upon for this?

It is clear your new designs will have significant environmental and community impact, and grossly more than the supplied earlier proposal. Losing scarce public reserve has a HUGE impact to the local community and will be a loss forever for the Waverley Local Government Area within the Coastal Sandstone Escarpment Conservation Area. This cannot be underestimated.

Surely we can all collaborate more optimally to find acceptable solutions for the long term.

This is our expectation, and the powers that be should support us all to achieve this.

Sincerely,
[REDACTED]

From: [REDACTED]
Sent: Monday, 14 March 2022 11:39 AM
To: RVDB - Community
Cc: [REDACTED]
Subject: FW: Refresh Vaucluse Diamond Bay 50% design

Hi Coral,

I am sorry for the delay as I understand the cut off reply date was 11/3/22. Unfortunately I had an unexpected funeral to attend.

Thank you for arranging the meeting on 28/2/22, your updated information designs and for the opportunity to make suggestions.

We found it very beneficial to meet the team and have discussions with Sydney Water's Contractor Steven who we understand is the construction project manager.

Our suggestions as requested.

1. At our meeting we were notified, there are plans to move the existing odour stack. We suggested moving it closer to the car park to avoid excavating the deep rocky area in the vicinity west of the existing stack. The position we suggested was north of the existing stack at the eastern side of the proposed brick wall or as close as possible to boundary of the car park reserve.
Reasoning.
 - a) Less disruption to the wildlife and residents by not excavating in the area west of the existing stack.
 - b) Our suggestion was to try to keep the disruption and excavation limited to the same area being closer to the new brick wall and car park.
 - c) This suggestion may also prevent the need for clearing more trees in the vicinity of the existing stack.
 - d) It would benefit the residents by having less excavation noise, vibration, chance of landside close to our properties by repositioning the stack as close as possible to the car park and car park reserve boundary. This position would also be better for resident's view.
 - e) In time, new vegetation would obscure the new stack's reposition closer to the car park.
2. A gate was suggested at the proposed stairs for a sense of security for the residents and to act as a public deterrent. Additionally upon further observation the height of the brick wall looks close to 1.8 – 2mts high. We suggest a child proof gate at the bottom of the stairs to create more of a safe environment for children, as the railing on the proposed plan may not be sufficient to prevent a child falling beneath the middle railing if they were to reach to top of the stairs.
Question. What surface is proposed for the area above the stairs? Will it be a hard surface or landscaped? A hard surface will encourage older children to play ball. Whatever the plan is for this surface we suggest adequate signage to inform the public. We suggest the surface selected to deter children from playing in this elevated area.
3. We suggested another access path area to be created behind the existing toilet block for residents to replace the existing path access.
4. Parsley Bay's popularity is increasing and the residents are hoping to encourage council to provide similar bathroom amenities as at other beach side locations. Just as Neilson Bay has toilet and shower facilities at both ends of the beach we were hoping Sydney Water could encourage council to consider the same.

Reasoning; The residents often see young children by permission of their parents relieving themselves directing into the bay because of the inconvenience of getting to the toilet block at the other end of the park.

We suggested asking Sydney Water to discuss installing a toilet and shower at The Crescent Rd end of the swimming area closer to the shark proof net and wharf, whilst the other upgrades were being done. At the wharf end there is a set of stairs leading up to The Crescent. There is a path to the right at the top of the first set of stairs which would provide a good position.

5. We also suggest discussing with council reinstating a garbage bin somewhere between the wharf area, benches and swimming stairs. Too often the area is littered by lazy people not wanting to walk to far to dispose of their rubbish. For your information some years ago I recall there was a garbage bin in this location which was removed.
6. It was suggested that No parking signs be put on the whole length of the high side of Parsley Rd before works commence to help with resident traffic management. Alternatively signs for "residents only" whilst works are being done.

Best regards

[Redacted Signature]

From: [REDACTED]
Sent: Thursday, 24 March 2022 3:08 PM
To: RVDB - Community
Cc: [REDACTED]
Subject: RE: Refresh Vacluse Diamond Bay 50% design
Attachments: odour stack 1.jpg; odour stack close up.jpg; odour stack view from my balcony.jpg

Hi Coral,

As requested, please see the attached photos. As you can see the stack is almost completely hidden by the vegetation and all that is still visible is the very top of it which by the end of next summer with more tree growth, I believe will be completely covered and hidden.

The new position is in the middle of less dense area with no mature trees to hide it and after more clearing will be very visible. The new position will be very visible not only from my balcony but also from inside my house from the kitchen, dining, living and 3 bedrooms as all these rooms look out towards that area.

Please find out if there is a particular reason why it has to be moved. My request would be to either keep it in its current position and replace with new or move it in a straight line north towards the car park as discussed with Steven at the meeting before today, in order to preserve our beautiful reserve view. This is extremely important to us and I hope you can help us.

Please bring it to Steven's attention as I forgot to bring it up at the meeting today.

Regards

[REDACTED]

From: [REDACTED]
Sent: Monday, 2 May 2022 9:21 PM
To: vaclusediamondbay
Subject: [External] Refresh Vaocluse and Diamond Bay, Parsley Bay

[REDACTED]

[REDACTED]

[REDACTED]
[REDACTED]

[REDACTED]
[REDACTED]

Dear Sir/Madam,

[REDACTED] here from [REDACTED] I spoke to Coral late last week (she had kindly left the information brochure on the Refresh Vaocluse and Diamond Bay project in our letter box) and so we are now following up with this email, specifically about the proposed pumping station at Parsley Bay.

Firstly, I wish to acknowledge the fact that the project of stopping untreated waste water flowing into our ocean is definitely a project that we support. However, we do have some concerns. Hopefully most of our concerns will already have been considered and factored into this project.

I will attempt to keep our concerns brief:

1. Our house sits on a sandstone shelf. Unfortunately, we have already experienced serious damage from the development [REDACTED] It included digging and excavation and caused cracking to almost every room in our house. [REDACTED]

[REDACTED] We had several windows which we could not even open for three years.

As a result of this terrible experience, we are concerned about further drilling and vibrations and the length of time it could continue.

[REDACTED]
[REDACTED]
[REDACTED]

What vibration monitoring will be done in this case and will we have access to this information?

Our house is [REDACTED] but our garage is on Parsley Road. Our garage is big, approximately 8m wide by 12m deep and about 2.5m high. Above our garage is approximately 4m of garden and the weight that it carries, especially when wet. Given the experience we have already had, any drilling or vibrations in the sandstone around our property would be a cause of concern, especially for the structural integrity for our garage.

As a side note, many of our neighbours are elderly and have lived in Parsley Road for decades. Given our experience, we are as concerned for our neighbours' properties as our own. The sandstone rock shelf upon which our houses sit obviously does not absorb vibration and must be monitored carefully, please.

2. We are at the [REDACTED] Parsley Road, and of course, it is a dead end street. Will there be any occasions when we will not have road access in and out of Parsley Road?

3. Parking availability is also restricted, will this be monitored for residents and our visitors?

4. My husband works from home and we have children doing some University courses on line. Will we have power available during the entire project?

5. Further to above, what is the projected time frame for this project?

6. Parsley Bay is home to some beautiful flora and fauna, both in the Park and in the Bay. We hope there are some efficient plans to control and mitigate the inevitable bad consequences from this development. Noise, vibrations, any bad odours and of course, any run off into Parsley Bay must be avoided and controlled. Given the shape of the Bay, Parsley Bay does clean itself but not as efficiently as most other harbour beaches. Also, we have been advised that the original outlet will be maintained and operational in the event of an overflow emergency and we wish to reiterate the necessity of such.

Thank you very much for your time and consideration. I can be contacted by return email or my mobile number is [REDACTED]

Yours sincerely, [REDACTED]




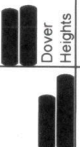

Survey responses (Eastern Reserve)

Survey response number	What is your name?	What is your address or suburb?	What is your most preferred design?	Why do you like this design option?	What improvements would you like to be made to this design?	We'll install bollards to protect the infrastructure from vehicle damage. What colour would you prefer the bollards to be?	What colour would you like the above ground turrets to be? (Please refer to above image for location).	Turning circle to provide access for operations and maintenance vehicles. How would you prefer us to provide access for operations and maintenance vehicles?	Would you like to have native coastal planting around the pump station?	What additional improvements would you like to see at this location? (Multiple answers accepted).	What colour would you prefer the light pole to be?	We'll install a new ventilation shaft at the pump station and at Oceanview Avenue. What colour would you prefer it to be?	Do you have any further comments/feedback?
		Vaucluse	Option 1	Minimalist	Make as invisible as possible	Stainless steel	Environmental green	Sandstone	Yes	Water refill station/ dog water station, Seating	Stainless steel	Stainless steel	
2			Option 3	It is the least intrusive as the retaining wall is unsightly, pushing the wall to the east at least moves the wall out of the public domain	Smooth out the levels either side of the pump station so that the turfed areas north and south of the pump station do not fall before they rise to meet existing levels. Add landscape screening around the substation and turrets. Make the bollards out of hardwood. The fence around the substation should be hardwood and have architectural integrity. Suggest that in conjunction with Council that all of the Eastern Road reserve be upgraded with level turf, a pathway, new landscaping, fences and other improvements	Hardwood	A eucalyptus colour	Sandstone	Yes	Water refill station/ dog water station, Indigenous maintenance hole cover	Colorbond Monument	Colorbond Monument	Congratulations on doing this well-overdue work. It's going to be hard for residents on Eastern Avenue and near Parsley to accept the pump stations. It would be worth getting the best landscaping/public domain designer involved in those locations.
3		Dover Heights	Option 2	Looks safer and sturdier	A fence near the road for child safety. Part of the park to be off leash for dogs	Environmental green	Environmental green	Sandstone	Yes	Water refill station/ dog water station, Seating, Indigenous maintenance hole cover	Stainless steel	Stainless steel	
4			Option 2	Retains natural contour of ground from north to south when I am jogging.	It seems the white picket fence which you promised would be retained has, predictably, been removed. Do not remove any white picket fences. They have been in place for a century and are part of the areas identity. Yellow poles for service vehicles. No. Just no.	Stainless steel	Stainless steel	Sandstone	Yes	Seating, Indigenous maintenance hole cover	Stainless steel	Stainless steel	
5		Dover Heights	Option 3	The least obtrusive	It is aesthetically appealing already	Stainless steel	Stainless steel	Sandstone Concrete	Yes	Water refill station/ dog water station, Seating, Indigenous maintenance hole cover	Stainless steel	White	No
6		Dover Heights	Option 3	Creates an elevated walkway which will enhance views over the ocean	Retaining blocks to incorporate better seating	Environmental green	Environmental green	Sandstone	Yes	Water refill station/ dog water station, Seating	Black	White	
7		Rose Bay	Option 2	Provides some form of seating and viewing	1) Lighting on option 2 steps to reduce risk or afraid, 2) make yellow bollards a feature. Eg make them in the same material at the retaining wall. No need for them to be yellow	Same materials as retaining wall. Make them a feature. So not just buy off the shelf	Environmental green	Sandstone	Yes	Water refill station/ dog water station, Indigenous maintenance hole cover, Lighting for kids safety	Keep everything consistent. Eg same Indigenous materials as retaining wall	Environmental green	
8		Dover Heights	Option 2	ability to sit on the sandstone, avoidance of a new (and likely taller) fence	would it be possible to have the vent and light pole next to each other?	Stainless steel	Stainless steel	Sandstone	Yes	Water refill station/ dog water station, Seating, Binoculars	Stainless steel	Stainless steel	Given the magnitude of the work, I was wondering if it would be the right opportunity to also bury the power lines on Eastern and Oceanview Ays?












9		Option 3	It's the most flattering and less hazardous	A dog friendly fence along the reserve would be amazing. We need more safe spaces for dogs to run free	Stainless steel	Stainless steel	Sandstone	Yes	Water refill station/ dog water station, Seating	Stainless steel	Stainless steel	A dog friendly space with more lights is all we ask for. It's a beautiful reserve and we want to make the most of it
10		Option 3	Aesthetically better but all are ugly	Smoothing of the entry and exit points to the new grassed area. Could you not make all the mechanical necessities less visually invasive in such an otherwise beautiful place? It's not great	Stainless steel	Environmental green	Paint the concrete environmental green (as pictured in current designs)	Yes	Water refill station/ dog water station, Seating, indigenous maintenance hole cover, I dint quite understand why the installation has to so ugly. Can it not be placed in a way that it appears underground?	Stainless steel	Stainless steel	
11		Option 3	It seems to make the area look the most natural	Can the area be grassed over and made to look natural so the reserve can be preserved and not become concrete and asphalt	Environmental green	Environmental green	Grass over it with natural grass	Yes	None of the above, I'd want it natural	Environmental green	Environmental green	It seems like this design has gone from a small pumping station to large concrete turning circles and bollards. I understand the work has to be done, but we'd like the reserve preserved as much as possible
12		Option 3	Least invasive	Fence across street entrance	Environmental green	Environmental green	Sandstone	Yes	Seating	Environmental green	Stainless steel	There should be fence at the street entrance into the reserve. This is currently the case.
13		Option 2	More seats	Skate board park?	Yellow (as currently pictured in the design)	Environmental green	Paint the concrete environmental green (as pictured in current designs)	Yes	Water refill station/ dog water station	Stainless steel	Stainless steel	
14		Option 3	The retaining wall is less obvious	Why are there chunky blocks? There is nothing like that currently. The bollards should suffice.	Environmental green	Environmental green	Paint the concrete environmental green (as pictured in current designs)	Yes	Seating, indigenous maintenance hole cover	Black	Environmental green	
15		Option 3	Is less disruptive	I'll remove the yellow bollards and replace with something more discrete.	Environmental green	Environmental green	Paint the concrete environmental green (as pictured in current designs)	Yes	Water refill station/ dog water station	Stainless steel	Stainless steel	
16		Option 3	I do not like any. Chosen an option above as it is required	No artificial, non native, non existent elements to be introduced the the reserve No pavement or gravel. This is not a high traffic zone. Each time a visit is done, if there is damage that will be an easy fix to get the grass growing again. For example, mesh like blocks that could sit on top of the packed surface/grass. something like the options with Vevox	Environmental green	Environmental green	Packed gravel with greens covering	Yes	Water refill station/ dog water station, indigenous maintenance hole cover	Environmental green	Black	You are making us choose your options not coming to a consensus with the local community options considered. We are choosing details based on what you have already put in plans.
17		Option 2	Sandstone good for a seating area, and to walk on when it's rainy	Nothing really, as long as the local residents won't be subject to odours	Stainless steel	Stainless steel	Sandstone	Yes	Water refill station/ dog water station, indigenous maintenance hole cover	Stainless steel	Stainless steel	

18		Dover Heights	Option 3	It is the least intrusive to the landscape	Remove the electrical kiosk, 18m high ventilation shaft, bollards, crash barrier, turning circle, turrets, emergency storage & hardstand retaining wall. Should be built underground.	Stainless steel	Environmental green	Sandstone	No	green grass Water refill station/ dog water station, Binoculars, Indigenous maintenance hole cover	Stainless steel	Stainless steel	All options presented are appealing in design and appear to be a 1950's resolution designed by engineers with no thought to the environment or aesthetics. Sydney Water should be ashamed to present options that desecrate this landscape. As a regular user of this parkland area, I would expect Sydney Water to present a design to enhance the area not prepare a cheap and environmentally poor design. Surely, this installation could be built and contained underground, and vented to the bottom of the cliffs, leaving the area without evidence of change
19		Vaause	Option 3	The most functional design for keeping the park's appeal for recreation	Additional garden bed in front of the new fence, along the turt to match surrounding	Stainless steel	Stainless steel	Sandstone	Yes		Stainless steel	Stainless steel	The pre construction concept design was what the community thought it was getting. The final design should be as minimalist as possible to retain the look and feel of the reserve as it is now. Sandstone blocks should be eliminated. Equipment boxes should be as small and hidden as possible. Resident amenity should be the priority and NOT ease of access for maintenance trucks that visit 1 or 2 times per year. All materials should be the highest quality - 2205 stainless or above for ANY metals used. No additional plantings.
20		Dover Heights	Option 3	This is the least bad of the 3 options presented	The sandstone blocks should be removed. All Bollards should be in the ground pull ups not permanently above ground. All metal in equipment boxes and coastal fence should be 2205 Stainless Steel. The ground surface should be VEVOR Geo Grid with real grass planted in between grids	Environmental green	Environmental green	VEVOR Geo Grid with real grass. Concrete is NOT necessary and not wanted.	No	Water refill station/ dog water station, Less is more. A bubbler with dog bowl is all that is needed	Environmental green	Environmental green	Would potentially consider landscaping the whole strip of land from eastern avenue to oceanview avenue with native garden beds, natural stone walkway and bench seats.
21		Dover Heights	Option 3	Uninterrupted flow of street scape and reserve.	Extend south end retaining wall and blend seamlessly where the existing hill side meets the newly created space behind the retaining wall.	Stainless steel	Stainless steel	Sandstone	Yes	Water refill station/ dog water station, Seating	Stainless steel	Stainless steel	

22		Option 3	It is the least imposing but still so unattractive and not blending into the environment at all	Environmental green	Environmental green	Environmental green	Paint the concrete environmental green (as pictured in current designs)	No	Seating	Environmental green	Black	It will all be so ugly such a shame to destroy such a beautiful public space
23		Option 3	I prefer the brick wall not so in your face	Environmental green	Environmental green	Environmental green	Sandstone	Yes	Water refill station/ dog water station, Seating	Environmental green	Black	no
24		Option 3	It is the least worst of 3 poor landscape design options - I do not like the lack of creativity evident in any of these purely engineer driven proposals!!	Environmental green	Environmental green	Environmental green	Fit the suite of design finishes referred to above. This deserves to be a holistic design approach - not a collection of ad hoc solutions	Yes	Seating, A considered holistic design is essential. This shopping list of disparate parts is naive to say the least and the proposed 'application' of aboriginal aesthetic to service components is banal, if not close to offensive!	Environmental green	See above	This highly visible and sensitive site requires a well considered design concept prepared by Landscape Architects and/or Urban Designers with engagement of a Public artist. Immediately and before committing further to this flawed design charade.
25		Option 3	Looks the most minimalist out of the 3	Environmental green	Environmental green	Environmental green	Sandstone, Concrete	No	Binoculars	Stainless steel	See above	See above
26		Option 3	Make it less obtrusive and move the sink pole so it will not cause air pollution to the local residents and people enjoying the reserve	Environmental green	Environmental green	Environmental green	Paint the concrete environmental green (as pictured in current designs)	No	Water refill station/ dog water station	Environmental green	Black	Don't local the sewage pump in this area
27		Option 3	I don't but it is the most environmentally friendly	Environmental green	Environmental green	Environmental green	Paint the concrete environmental green (as pictured in current designs)	No	Water refill station/ dog water station	Black	Black	Relocate this sewage pump

28		Option 3	I don't but the best of limited choices	Make it less obvious or move it completely	Stainless steel	Environmental green	Paint the concrete environmental green (as pictured in current designs)	No	Water refill station/ dog water station, Seating	Black	Black	Don't proceed with this as it is negatively affecting the quality of life for both residents and the general public using the reserve
29		Option 3	Minimalist. Option 2 provides seating and encourages rubbish around the area and there are no bins allowed for in any of the designs.	Install a general waste bin	Yellow (as currently pictured in the design)	Stainless steel	Paint the concrete environmental green (as pictured in current designs)	No	Water refill station/ dog water station, Seating, Binoculars	Stainless steel	Stainless steel	
30		Option 3	Don't like any option but this one is least imposing and allows easier access to the fence.	The fence above the drain should blend into the rest of the fence either side of it. Too obviously different	Stainless steel	Environmental green	Paint the concrete environmental green (as pictured in current designs)	Yes	Water refill station/ dog water station, Seating	Stainless steel	Stainless steel	This is going to visually ruin this unspoiled part of the coastline. I never recall being made aware that this was going to happen when this project first started
31		Option 3	More grass, flat level area and less sandstone wall	Reduce everything as it's very messy & looks industrial - way too much concrete, too many poles/furres/vents/lights, too many service boxes with pumping station box, too many sandstone blocks.	Stainless steel	Stainless steel	Sandstone	Yes	Don't need any other structures as there's already way too much & we are already losing the natural grass area now.	Stainless steel	Stainless steel	Please listen to the community as we are very unhappy. I understand Eastern Reserve may be the only site available but we are losing the only usable space which we love and use. If you minimise the structures and put as much underground as possible it will look much better.
32		Option 3	It is the least intrusive and looks less like a sewer pumping station than the other options	No yellow bollards, sandstone blocks would be enough of a barrier. More shrubs, bushes and trees to allow the infrastructure to blend in. Incorporate the biodiversity & greening DA's being implemented by Waverley Council	Environmental green	Environmental green	Sandstone	Yes	Indigenous maintenance hole cover	Environmental green	Environmental green	Every endeavour needs to be made to have Eastern Ave Reserve remain as a park and not to look like a sewer pumping plant

Survey responses (Parsley Bay)

Survey response number	What is your name?	What is your address or suburb?	What do you like about the current design?	What do you dislike about the current design?	The existing ventilation shaft will be replaced due to its current condition. What colour would you prefer the ventilation shaft to be? (Please refer to above image for location).	Would you prefer additional seating or vegetation under the fig tree?	What colour would you prefer the light pole to be? (Please refer to above image for location).	What colour would you prefer the railings at the pump station to be? (Please refer to above image for location).	What additional improvements would you like to see at this location?	Do you have any further comments/feedback?
34		 Vaucluse	Relatively unobtrusive. It is good that it moves the toilet facilities to the parkside and out of the car park.	Ugly and industrial looking with little to recommend it from an architectural / aesthetic perspective. Can you not disguise it with sympathetic planting and landscaping?	Black	Vegetation	Black	Black	Space for car share vehicles. Electric car charging station. Bicycle racks.	
35		Rose Bay	Retaining wall seems have a sandstone facade Minimum impact on current environment. Relocation of facilities to better location	That the equipment, torrents are visible. There should be a tall wall that blends into the surroundings	Environmental green	Additional seating	Environmental green	Build the wall higher and hide the stairs completely	Higher walls, we should not be able to see the equipment or stairs	
36		 Vaucluse		Disruption of access to Parsley Bay. Only 4 toilets in women's but 5 in men's?	Environmental green	Additional seating	Stainless steel	Environmental green	Outdoor shower. Warm water for indoor showers. Keep path access to rainforest walks clear and inviting	
37		 Vaucluse		It is basically very ugly. I would like as much concealment as possible	Environmental green	Vegetation	Environmental green	Environmental green	Please conceal as much as possible. I would be happy to lose car parking spaces in exchange for more concealing native vegetation.	Thanks for good process of consultation
38		 Vaucluse	Very little It seems sympathetic to the environs	Nothing really Too plain, maybe we can encourage local artists to paint something, just like the walls in Bondi beach?	Black	Additional seating	Environmental green	Environmental green	Lighting across Parsley Bridge and the footpaths	
39		 Rose Bay	Yes		Stainless steel	Additional seating	Black	Stainless steel	Water Park for the kids to play on?	

Survey responses (Rose Bay)

Survey response number	What is your name?	What is your address or suburb?	What do you like about the current design?	What do you dislike about the current design?	We'll install a new ventilation shaft on Carlisle Street. What colour would you prefer the ventilation shaft to be? (Please refer to above image for location).	What additional improvements would you like to see at these locations?	Do you have any further comments/ feedback?
40	[REDACTED]	[REDACTED] Rose Bay	Nothing	Why not go down new South Head Rd to the pumping station in Rose Bay Beach	Environmental green	Minimal	No
41	[REDACTED]	[REDACTED] Rose Bay	Improvement of environment No major delays in New South Head Rd	Trenches in Carlisle St , why not trenches technology? What will new ventilation shaft look like and will there be any odors?	Environmental green	Trenchless technology used in Carlisle St	Would like to see drawings of proposed ventilation shaft.
42	[REDACTED]	[REDACTED] Rose Bay		Nothing	Stainless steel	Nothing	

Webinar questions/comments

No.	Question/Comment
1	Query on reason why pump station is located on Eastern Avenue.
2	Query for the need for a turning circle
3	Question to why an 18m pole is needed.
4	Question on how much open trench is required.
5	Questions to what other locations were considered for Eastern Ave pump station.
6	Will there be any odours present similar to Bondi Treatment plant.
7	Request for information regarding venting noxious odours.
8	Request to replace white picket fence at the end of the road.
9	Question to when system will be come operational.
10	Request for geotechnical survey and LIDAR.
11	Question regarding what infrastructure will be at the end of Oceanview Avenue.
12	Suggestion to have less hard surfaces at the end of Eastern Avenue.
13	Concern regarding 18m vent as it will redirect present situation of producing fumes to one that will.
14	Concerns of losing parking spaced at Eastern Reserve
15	Question to why current design is different from design from determination document for Eastern Avenue Reserve.
16	Suggestion to move pump station elsewhere.
17	Request to explain why bollards and poles are necessary.
18	Query to what other options and considerations were taken onboard for location of Eastern Reserve.
19	Question if ocean outfall will still occur in wet weather.
20	Suggestion that the road way be used for the pumping station
21	Question to how Bondi treatment plant has capacity for extra sewage load.
22	Question if guy wires will be required to support vent shaft.
23	Question to what technology will be used for the passive filter.
24	Request for location change/solutions for Eastern Reserve.
25	Installation of previously removed picket fence requested.
26	Where would resident no congregate for community functions.
27	Question regarding solar panel previously planned on top of the vent stack at Dover Heights.
28	Question regarding where 18m vent stack will be constructed. Requesting access to the survey.
29	Suggestion for pump station to be constructed underneath to the street near the fence.
30	Question is pump station can be moved further to the left or the right.
31	Question why outfall to the sea cannot continue.
32	Question to how will carbon filters need to be changed.
33	Suggestion to have 18m vent stack be moved as close to the cliff as possible.
34	Question regarding the need for a new determination submission incorporating design changes.
35	Question if vibration measurements will be incorporated into diaplaidation surveys.
36	Question to what mitigation will take place to minimise noise and vibration during construction.
37	Question to when addendum to the REF will be available to the public.
38	Question to who decides the location of the pump station.
39	Question to what horizontal distance will be achieved under gravity flow per meter of depth.
40	Request for documentation demonstrating Bondi Treatment Facility can withstand increase load.
41	Question regarding the feasibility to move plant treatment plant elsewhere.
42	Suggestion to relocate location of sewage pump.
43	Question regarding the CRG and if there are members of the community group residing on Eastern Ave
44	Has the CRG members seen the updated plans for the pump station.
45	Question regarding what other solutions were considered previously.
46	Query if trenchless technology will be used on Carlisle St.
47	Concerns regarding Traffic Management on Carlisle St.
48	Question if caretaker's cottage is still in good condition.
49	Question to why Parsley Bay does not have an 18m odour vent.
50	Question the what length of rising main from Parsley Bay will remain full at all times.



WAVERLEY COUNCIL

Waverley Council

PO Box 9, Bondi Junction NSW 1355

DX 12006, Bondi Junction

Customer Service Centre

55 Spring Street, Bondi Junction NSW 2022

ABN: 12 502 583 608

Our ref: A16/0769

6 May 2022

Sydney Water

Vaucluse Diamond Bay Refresh Project

Email: vauclusediamondbay@sydneywater.com.au

Re: Waverley Council – Preliminary Submission on the Sydney Water - Refresh Vaucluse Diamond Bay Project

Dear Sydney Water

Waverley Council is supporting of works to rectify the problem of untreated effluent entering the coastline at ocean outfalls at Vaucluse, Diamond Bay and Eastern Reserve as per our submission to the Review of Environmental Factors in June 2020.

In this submission we would like to provide feedback on proposals at Diamond Bay and Eastern Reserve that you are currently seeking feedback on.

Diamond Bay

Council supports the proposed changes to the design at Diamond Bay which will reduce impacts to local resident, geotechnical risks and impacts on local flora. We look forward to liaising with Sydney Water as this design concept develops to minimise any construction impacts on our community, assets and parks.

Eastern Reserve

The proposed design at Eastern Reserve is larger than that proposed in the original Review of Environmental Factors and significantly changes the Reserve. Council asks that the following be considered to reduce impacts on the Reserve. That Sydney Water:

- Investigate alternative options to configure underground infrastructure to consolidated tanks and pits as close together as practical to reduce the overall underground footprint.
- Investigate alternative options to configure underground infrastructure to move tanks upslope into the road reserve.
- Investigate alternative options to provide trafficable lids and pit covers to underground tanks and consolidate these within part of the hammerhead hardstand turning bay.
- Investigate options to reduce the scale of the hammerhead hardstand turning bay.
- Investigate options to reduce the amount of hardstand area by installing areas of reinforced turf.
- Reduce the requirements for the number of vehicle bollards protecting tanks by providing trafficable lids and pit covers to underground tanks.
- Reduce the visual impact of vehicle bollards by utilising Council's PDTM Recycled Bollards. This will also provide a consistent language of bollard design which has already been adopted at other entrances to the reserve.

Contact us

9083 8000

info@waverley.nsw.gov.au

waverley.nsw.gov.au

Connect with us

[f](#) [whatsonwaverley](#)

[@](#) [waverleycouncil](#)



WAVERLEY COUNCIL

Waverley Council

PO Box 9, Bondi Junction NSW 1355

DX 12006, Bondi Junction

Customer Service Centre

55 Spring Street, Bondi Junction NSW 2022

ABN: 12 502 583 608

- Investigate options to steepen the driveway access to reduce the relative level of the hammerhead with the aim of reducing the overall height of downslope retaining walls and need for additional fill and load on the slope.
- Investigate options to provide a stepped retaining wall behind the electrical cabinet with fall heights no greater than 900mm with planting beds between each level with the intention of removing the fall arrest balustrade requirement and introducing vegetation to soften the visual impact of retaining walls and provide additional screen from adjoining residential properties.
- Investigate locations for additional screening vegetation to residential side.
- Confirm requirements for lighting and investigate opportunity to decommission Ausgrid light and power pole located in the reserve.
- Provide interpretative educational signage about the pump station to explain its function and environmental benefits.
- Investigate opportunities to recreate the pump station space as a pedestrian arrival experience to the reserve and coastal walk through pavement treatments, seating opportunities and signage.

It is acknowledged some of the reconfiguration recommendations above may not be mutually achieved. However, recommendations are intended to test various configurations feasibility and weigh up the benefits and disbenefits of each. Considerations should include landscape and visual impact mitigation measures, maintaining the functionality of the pump station and practical/ safe operational access for Sydney Water/ Waverley Council staff and contractors. It is understood the above proposed recommendations require further design investigation and technical input by all parties.

Waverley Council staff are available to continue to work with Sydney Water and your consultant team to further refine design outcomes for this important project.

Crown Land Management

Council also wishes to bring to Sydney Water attention that Waverley Council was formerly gazetted on the 11th March 2022 as the Crown Land Manager of Eastern Reserve.

Council is seeking further clarification from Crown Lands on the approval pathway for Sydney Water to use this parcel of land.

As Crown Land Manager, Council is required to prepare a Plan of Management in accordance with the Crown Land Management Act 2016 for the reserve in due course. Sydney Water will be invited to participate in this process at that time.

For further information please contact Nik Zervos, Infrastructure Services on 9083 8625 or Nikolaos.zervos@waverley.nsw.gov.au

Kind regards

06/05/2022
Nikolaos Zervos
Executive Manager, Infrastructure Services
Waverley Council

Contact us
9083 8000
info@waverley.nsw.gov.au
waverley.nsw.gov.au

Connect with us
 [whatsonwaverley](https://www.facebook.com/whatsonwaverley)
 [waverleycouncil](https://www.instagram.com/waverleycouncil)



Council Ref: 22/83051
Your Ref:

vauclosediamondbay@sydneywater.com.au

2 May 2022

Dear [REDACTED]

**Submission – Refresh Vaucluse Diamond Bay 50%
Design**

Thank you for inviting Council to provide feedback on the *Refresh Vaucluse Diamond Bay Project 50% Design*. In addition to Council's comments provided on the REF, we provide the following comments.

Parsley Bay

Stormwater drainage

A number of potential stormwater drainage issues that may need to be considered in the design were raised by Council's Bushland Team Leader, Margaret Lai, who lives onsite at Parsley Bay. We have provided this information, including photographs, to Sydney Water / Comdain. Council staff understand that the information and photos have been passed on to the design team and that some additional CCTV footage of the pipes around the cottage will be undertaken.

There are a number of sewer manholes that overflow during floods in the Parsley bay catchment. Council requests that Sydney Water investigate these to ensure improved water quality in the catchment.

Road works

Proposed works extend to temporary road widening works within Horler Avenue and some permanent road works in Parsley Road reserves.

The Council stormwater mainline under Horler Avenue must be preserved and protected during LV electrical below ground works and during mobilisation of heavy equipment down the street. This is also relevant to private stormwater pipelines to kerb face. Electrical contractor must provide all relevant electrical works drawings for Council comments and observations.

Council suggest HDD technique be deployed in Parsley Road reserve under nature strip area for LV electrical cable laying activity rather than open excavation under Parsley Road. Sydney Water must prepare a dilapidation report for the road reserve through the entire route from New South Head Road to the Site covering all features including but not limited to traffic devices; survey markers; footpaths; road pavements; etc.

Sydney Water must provide load configurations and commentary from heavy load haulers for Council Engineer's commentary prior to moving these loads via local road network. It is proposed to interfere with Street Lights in Horler Ave, these must be presented to Council for comments even though they are temporary relocations.

Boulders

There are a number of large boulders in the footprint of the pump station works at Parsley Bay. As agreed with Sydney Water / Comdain, any boulders removed from the site of the pump station must be retained onsite at Parsley Bay. As discussed with Council's Bushland Maintenance Team, water dragons use the rock caves and would be displaced when the boulders are removed. Timing and removal of the rock should take place when they are mobile and active not hibernating over winter.

Biodiversity and threatened species

Council has provided detailed comments regarding biodiversity and threatened species in our submission to the REF. Council has also provided mapping of the location of threatened species in the Parsley Bay area. It is requested that Sydney Water / Comdain continue to liaise on-site with Council's Bushland Team Leader, Margaret Lai, regarding the exact locations of these species to ensure that they are not impacted by the construction.

Regarding the proposed location of the Ausgrid substation (Drawing SP1216 2A) – this new substation is located in an area close to threatened species, *Syzygium paniculatum* (Magenta Cherry) and *Acacia terminalis* subsp. Eastern Sydney (Sunshine Wattle) as per maps previously provided. Care must be taken to ensure that the plants are not damaged. Council requests that Sydney Water / Ausgrid liaise with Margaret Lai onsite regarding the exact location of the plants.

Council remains concerned about the potential impact of works on the north-eastern side of Parsley Bay creek and requests that Sydney Water / Comdain ensure that works involve minimal disturbance to the sensitive bushland vegetation and the creek line, the area is known roosting habitat for the threatened Powerful Owl. It is understood that Sydney Water will be undertaking additional assessment of any potential impact on the Powerful Owl.

Council notes conversations with Bushcare indicated that no excavator machinery will be in the vicinity of this area and that motorised wheelbarrows with a small width and weight will be used along the unsupported narrow track next to the creek.

We note that our Bushcare group has also raised concerns about the location and tunnel depth under the creek regarding potential for long term subsidence and impact on the nearby large *Eucalyptus robusta*. As discussed with them, please ensure that tree roots are located with hand tools and water blaster before tunnelling near *Eucalyptus robusta*. Works should take place as far away from tree as possible. An arborist should be engaged to advise on this.

The tunnel will be surfacing on the north east side of the creek amongst a fern area and the adjacent path will be impassable while drilling. Council would like further information about how this will be managed, including whether there is able to be public access on weekends or whether the area needs to be closed to walkers.

Council's Bushland Maintenance Team has advised Sydney Water / Comdain of the location of *Cyathea* tree ferns near a pit hole which may need to be transplanted. A contractor with expertise in translocation of large tree ferns should be engaged to ensure survival of the ferns should they require translocation.

Installation of any sediment traps must not impact eel and *Galaxia maculatus* migration.

Landscaping

The garden bed out the front of the caretaker's cottage contains healthy specimens of *Acacia terminalis* Eastern Sydney that should not be disturbed. The surrounding lawn provides seedbank for the species. It is requested that any new landscaping use plant species that are endemic to the area, we request that Bushcare and Council's Bushland Team Leader be consulted regarding the species selection.

Crushed sandstone should be used for surface treatment instead of gravel, to ensure correct ph.

Stormwater harvesting

It is understood that the rainwater tanks that are attached to the existing amenities block will be incorporated into the design of the new amenities area and plumbed to provide water to the toilets.

Toilet construction

Temporary toilets (and the maintenance of) are to be provided by Sydney Water should the construction of the new facilities not be completed at time of demolition of existing toilets. The location and type of toilets to be made in conjunction with Council staff.

Inclusion of storage for Council operations

As discussed with Sydney Water and the architects a new standalone storage area will be built with electricity and water access for use by the Council parks team and Bushcare group. The storage is to be located near the existing pump shed. Further consultation with Council staff will be required.

Carpark reinstatement

Council requests that Sydney Water ensure that the carpark is reinstated post-construction and an analysis of the space be undertaken to ensure parking loss is minimised. Council requests consultation on the proposed layout. If possible an increase in parking spaces is gained with the re-design.

Lighting of site

Council notes that, post construction, lighting will only be on during maintenance and repair works.

Rose Bay

Minimisation of noise and vibration

Council appreciates that Sydney Water / Comdain have made adjustments to the tunnelling to minimise noise and vibration impact throughout Parsley Bay and Rose Bay.

Impact of works on Dover Road streetscape

Council has advised Sydney Water / Comdain of the recently completed pedestrian upgrade at Carlisle Street and Dover Road, and notes the confirmation that this will be restored to its original condition. Council would like Sydney Water to confirm that any works undertaken on Council roads, including footpaths, kerb and gutter, are to be restored to their original condition.

Construction Traffic Management Plan

A Construction Traffic Management Plan is to be provided. This document outlines the nature of the construction project in terms of what work will be carried out at each stage, vehicles that will be used, numbers of vehicles accessing the site, sizes and types of vehicles that will be used and routes that will be taken. It will need to include plans that show the recommended routes for vehicles travelling to and from the site as well as access to the site and locations of proposed Works Zones and/or any other temporary parking restrictions (if required). The CTMP must make provision for all materials, plant, etc. to be stored within the works site at all times during construction.

Temporary Full Road Closures require approval by the Transport for NSW (TfNSW) and consideration of the Local Traffic Committee and may take up to six (6) weeks to process and receive approval.

Installation of any parking restrictions on council roads to assist with access and turning movements of vehicles require consideration of the Local Traffic Committee and may take up to six (6) weeks to process and receive approval.

Continued Communication

Council requests that Sydney Water / Comdain continue to communicate with residents adjacent to Parsley Bay to address their concerns including the disruption to the parking during the pre and post construction phase (30 days either side to bring machinery in and take it out). Council appreciates the regular project updates for Council staff and requests that these continue.

Scheduled Works in the Parsley Bay & Rose Bay Area

The following projects are in development and Council will provide further detail to Sydney Water / Comdain as timeframes are firmed up.

- Replacement of Parsley Bay swimming net
- Upgrade of Parsley Bay Wharf
- Parsley Bay support work for rock shelves
- Upgrade of Caledonian Road stormwater outlet including redirection of low flows to Percival Park outlet.
- Sand redistribution works, Rose Bay Beach (June / July 2022).

Yours sincerely



Manager Open Space & Trees