From: Sent: To: Subject: DYPXCPWEB@northernbeaches.nsw.gov.au Friday, 30 September 2022 7:34 AM DA Submission Mailbox Online Submission

30/09/2022

DR STUART Spring 46 Iluka Rd / Palm Beach ST NSW 2108 stuspring1@gmail.com

RE: PEX2022/0003 - 6 Mitchell Road PALM BEACH NSW 2108

Hi Nemani-I am President of the Friends of the Palm Beach Bible Garden--next door neighbour to the property that relates to this application --I am having trouble working out what the application is about could you contact me please 0438260042 many thanks

From: Sent: To: Subject: DYPXCPWEB@northernbeaches.nsw.gov.au Monday, 10 October 2022 8:06 PM DA Submission Mailbox Online Submission

10/10/2022

MR Michael Dunn 18 Catalina Crescent ST Avalon Beach NSW 2107 mjdunn@tpg.com.au

RE: PEX2022/0003 - 6 Mitchell Road PALM BEACH NSW 2108

I have carefully looked at the submissions provided online. I also regularly visit the bible garden. I actually built the garden shed. A photo taken from this garden was my screensaver whilst living overseas for over 5 years. This photo kept me motivated to return and gave me great joy. From what I have seen these gardens and it's extensive view gives many, many people the same joy. It would be a travesty if this special place was affected' in any way. Could the garage area be moved further east and lowered? From my experience with rooftop gardens they rarely become a permanent fixture on a property, due to various problems or lack of interest. That would be my concern with this being so close to the max development height. Can the vegetation height on the rooftop be at the max development height?

I would prefer if the view of hundreds was not impeded by the view of a few. Thanks

From: Sent: To: Cc: Subject:	Denis Smith <denis.smith8@bigpond.com> Tuesday, 11 October 2022 1:13 PM Council Northernbeaches Mailbox; Nemani Robertson Peter Robinson URGENT: Planning Proposal - PEX 2022/0003 - 6 Mitchell Road, Palm Beach, NSW</denis.smith8@bigpond.com>
Importance:	High
Categories:	Skye

Attention: Nemani Robertson, Planner

Good afternoon

Reference is made to Council's letter addressed to Jason Bradley Smith, 15 Florida Road, Palm Beach advising that "a Planning Proposal application has been lodged on this property to expressly seek to amend the Pittwater Local Environmental Plan 2014 for 6 Mitchell Road Palm Beach NSW".

The proposal "seeks to amend Pittwater Local Environmental Plan 2014 by adding 'dwelling houses' as an additional permissible use on that portion of the subject land zoned RE1".

Jason Smith has instructed Tomasy Planning to review the documentation submitted with the Planning Proposal. Our clients also own No 13 Florida Avenue, Palm Beach. We have undertaken a preliminary review of the documentation and are alarmed, to say the least, that an application has been lodged on part of the subject land which is zoned RE1 to permit an additional permissible land use by way of a dwelling house on this land. Our client has also agreed to instruct Mr Paul Vergotis, Partner (Accredited Specialist – Planning & Environment Law), Piper Alderman. Instructions have also been given to our clients' lawyers to engage Dr Steven Berveling, Barrister, to represent them on this matter as Dr Berveling has a sound understanding of the background relating to a Development Application for the erection of a dwelling house at No 6 Mitchell Road, which included the land the subject of the Planning Proposal. The Development Application 2020/1596 was refused by Council on 18 August 2021.

It is noted that the notification period for submissions closes on 13 October 2022 – in two days' time. A notification period of 14 days is unreasonable and quite absurd for a matter of such importance to not only our client but also the community at large. The land to which the Planning Proposal relates abuts the Bible Garden, which is a listed Heritage site. For Council to support a proposal to allow a dwelling house to be erected on land zoned RE1 would create a dangerous precedent and leave the gate open to other applications which would permit dwelling houses on Public Recreation land.

It is respectfully requested that an extension of time of 14 days from 13 October (10 additional working days) to enable our clients' lawyers and other relevant consultants to further review all documentation and prepare a comprehensive submission to Council. Our clients' lawyers are prepared to contact Mr Peter Robinson, Council's Executive Manager, Planning and Assessment, in an attempt to emphasise the need for an extension of time for a submission to be prepared and lodged on a matter that is of such importance, particularly from a precedent perspective and having due regard to the heritage and conservation values that relate to the adjoining land, being the Bible Garden.

Your early response to this matter would be appreciated.

Regards Denis Smith

Denis Smith Director, Planning and Property



Suite 1/41-49 Darley Street East m: 0400 777 115 Mona Vale, NSW 2103 e: <u>denis.smith8@bigpond.com</u>

DISCLAIMER

This message and any attachments may be confidential and/or legally privileged. If you received this message in error, please do not copy or distribute it. Instead, please destroy it and notify the sender immediately. To the extent that this email contains information provided to the sender by other sources, the sender does not warrant that it is accurate or complete.

Please think before you print

From: Sent: To: Subject: DYPXCPWEB@northernbeaches.nsw.gov.au Wednesday, 12 October 2022 1:25 AM DA Submission Mailbox Online Submission

12/10/2022

MRS Christine Lanceley 96 Pacific RD Palm Beach NSW 2108 Clncly@icloud.com

RE: PEX2022/0003 - 6 Mitchell Road PALM BEACH NSW 2108

Dear Sir,

I am concerned that the proposed development of a garage for 6 Mitchell Rd will obscure part of the view of the beach that is currently visible from

The Bible Garden as indicated by the height poles and diagrams. In my opinion any new structure should not be allowed to obscure any part of the current existing view as the near view of the beach is as important as the distant view. I am also concerned that with the owner being responsible for the upkeep of the proposed roof garden it will revert to a weedy mess and plants growing up to further obscure the view from the Bible Garden due to it being out of sight and concern to the owner and upkeep not being enforced. Consent for this garage plan should be refused or height significantly reduced.

I have been enjoying regular visits to the Bible garden from the time of its establishment in the 1960s and often take visitors and friends there as does my daughter and other members of my family. It would be very sad to see any loss of the view

Regards, Christine Lanceley

1

Our Ref: PNV.437936 Your Ref:



21 October 2022

By Email: Nemani.Robertson@northernbeaches.nsw.gov.au

Nemani Robertson Northern Beaches Council PO Box 82 Manly NSW 1655

Dear Ms Robertson

PEX2022/0003 at 6 Mitchell Road, Palm Beach NSW 2108

 We act for Jason and Jodie Smith at 13 & 15 Florida Road, Palm Beach, and have been instructed to prepare a submission in relation to Planning Proposal PEX2022/003.

Summary of Opinion

- 2. For reasons set out below, it is our opinion that:
 - 2.1 The Planning Proposal relates only to 6 Mitchell Road Palm Beach, being Lot 1 DP 108658 (Lot 1).
 - 2.2 The making of the Planning Proposal without a connected development application is contrary to s. 3.38 of the *Environmental Planning and Assessment Act* 1979 (Act).
 - 2.3 The notification of the Planning Proposal is contrary to 3.40(1) of the Act.
 - 2.4 Those breaches would lead to invalidity of any amendment made pursuant to the LEP as a result of the Planning Proposal.
 - 2.5 Further, separate from and in addition to the above, the proposed amendment to the LEP is unclear and instead a proper description of the Planning Proposal would be:

Use of certain land at 6 Mitchell Road, Palm Beach

- (1) This clause applies to land at 6 Mitchell Road, Palm Beach, being Lot 1, DP 108658 and identified as "area [#number#]" on the Additional Permitted Uses Map.
- (2) Development for the purposes of a dwelling house <u>not exceeding 74.5AHD in height</u>, is permitted with development consent.
- (3) The dwelling house much not exceed 74.5AHD.

Lawyers

Adelaide . Brisbane Melbourne . Perth . Sydney

ABN 42 843 327 183

Level 23 Governor Macquarie Tower 1 Farrer Place Sydney NSW 2000 Australia

t +61 2 9253 9999 f +61 2 9253 9900

www.piperalderman.com.au

Partner (Accredited Specialist -Planning & Environment Law): Paul Vergotis t +61 2 9253 3880 PVergotis@piperalderman.com.au



Basis of Planning Proposal.

- 3. The Planning Proposal arises from the following:
 - 3.1 The south-eastern portion of Lot 1 is limited in height to 74.5AHD, above which part of the Lot 2 the Bible Garden is located see Figure 2 of DP 108658, copy **attached**.
 - **3.2** Lot 2 DP 108658 (the Bible Garden) is appropriately zoned RE1 Public Recreation zone pursuant to Pittwater Local Environmental Plan 2014 (the LEP).
 - 3.3 Most of Lot 1 is within the C4 Environmental Living Zone except its southeastern part (below the north-eastern part of Lot 2), which is within the RE1 Public Recreation zone.
 - 3.4 Land zoning does not recognise stratums of land, and accordingly all that land in the south-eastern corner of Lot 1 is zoned RE1 Public Recreation pursuant to the LEP.
 - 3.5 Development for the purpose of a dwelling house is permissible on land within the C4 Environmental Living Zone but is prohibited on land within the RE1 Public Recreation zone. Most of the locality is within the C4 Environmental Living Zone.
 - 3.6 Accordingly, development for the purpose of a dwelling house is prohibited on the south-eastern part of Lot 1.

Public Exhibition of Planning Proposal is unlawful.

- 4. Part 3 of the Act, provides relevantly for the making and amendment of local environmental plans.
- 5. A planning proposal is required to be prepared for any amendment to a local environmental plan.
- 6. Division 3.4 of the Act (sections 3.31 3.37) provides for a "plan-making authority" (i.e. a local council) to prepare a planning proposal. This has not occurred in the present case. Accordingly Division 3.4 of the Act does not apply.
- 7. Division 3.5 (sections 3.38 3.40) of the Act is another mechanism for amendment to a local environmental plan. Its section 3.38 provides that this Division applies if a development application is made to a consent authority for consent to carry out development that may only be carried out if an environmental planning instrument applying to the land on which the development is proposed to be carried out is appropriately amended.
- 8. In the present case, no development application has been made. Only the Planning Proposal has been lodged with Council. Whilst the Planning Proposal refers to Concept



Plans for a development application, that does not equate to a development application having been made.

- 9. Accordingly Division 3.5 of the Act does not apply in the present case.
- 10. Division 3.5 could apply only if a development application had been lodged which required amendment to the LEP. In that event, then, s. 3.40(1) of the Act provides *(our emphasis <u>underlined</u>)*:
 - (1) <u>Public notice</u> that is required to be given under this Act <u>in connection with</u> the making of <u>a proposed environmental planning instrument and notice</u> that is required to be given under this Act <u>of a development application</u> in circumstances where this Division applies <u>are to be given by the same notice</u> if that is practicable or, if that is not practicable, as closely together as is practicable
- 11. In the present case:
 - 11.1 the making of the Planning Proposal without a connected development application is contrary to s. 3.38 of the Act.
 - 11.2 The notification of the Planning Proposal is contrary to 3.40(1) of the Act.
 - 11.3 The reference in the Planning Proposal to Concept Plans does not overcome this breach it is wrong to ask the public to assume that a development application in accordance with those Concept Plans might be lodged in the future.
- 12. Those breaches would lead to invalidity of any amendment made pursuant to the LEP as a result of the Planning Proposal.

Further - proposed amendment unclear.

- 13. If we were to leave aside for the moment the invalidity of any amendment made pursuant to the Planning Proposal as set out above (which are maintained), and refer to any actual amendment to the LEP being clear and unambiguous.
- 14. Ultimately, it appears that the proposed amendment to the LEP is:
 - 14.1 Insert for the purposes of cl. 2.5 of the LEP, an additional clause into Schedule 1 of the LEP;
 - 14.2 Amend the Additional Permitted Uses Map to designate Lot 1 as an area to which that additional clause in Schedule 1 applies.
- 15. Any additional clause into Schedule 1 of the LEP should be clear and unambiguous. Whereas the letter from Shaw Reynolds to Council dated 6 September 2022 describes this to some extent, a more appropriate description of the proposed amendment would



be as follows (using track change mode to indicate changes to the description in paragraph 3 of the letter from Shaw Reynolds):

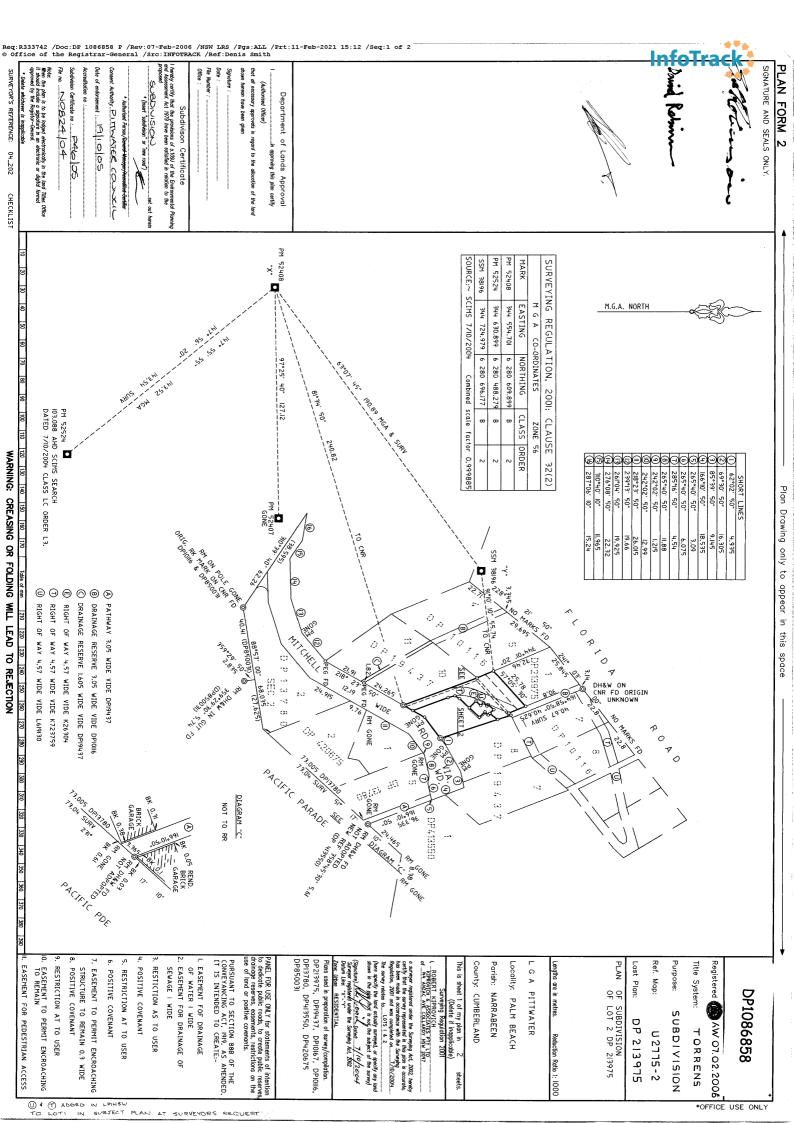
Use of certain land at 6 Mitchell Road, Palm Beach

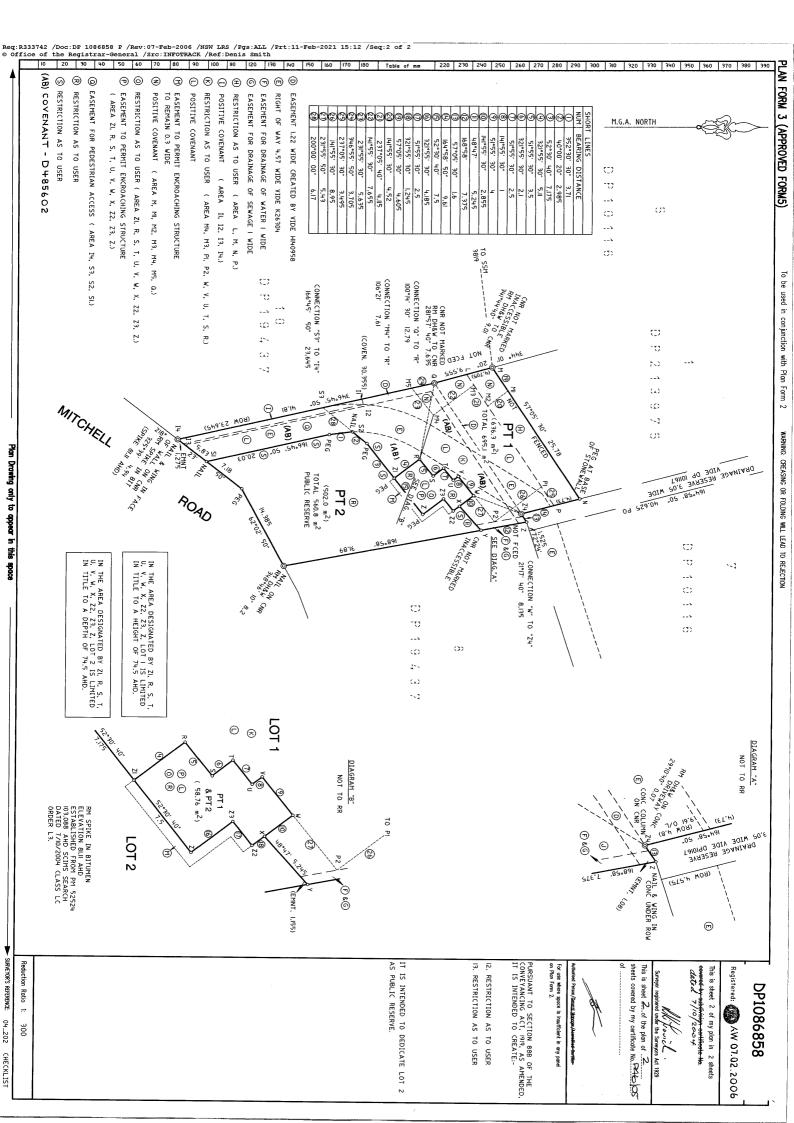
- (1) This clause applies to land at 6 Mitchell Road, Palm Beach, being Lot <u>1, DP 108658</u> and identified as "area [#number#]" on the Additional Permitted Uses Map.
- (2) Development for the purposes of a dwelling house<u>not</u> exceeding <u>74.5AHD in height</u>, is permitted with development consent.
- (3) The dwelling house much not exceed 74.5AHD.
- 16. The change to paragraph 2 makes clear that the additional use is limited to Lot 1 DP 108658, avoiding any uncertainty as to the extent of land which might be described as "6 Mitchell Road, Palm Beach" (i.e. not including any part of Lot 2 the Bible Garden).
- 17. The change to paragraph 3 makes clear that the height limitation of 74.5AHD circumscribes the additional development made permissible pursuant to the amendment, rather than possibly be considered as a development standard amenable to cl. 4.6 of the LEP.
- 18. On this point, we refer to the decisions of Agostino v Penrith City Council [2010] <u>NSWCA 20</u>; (2010) 172 LGERA 380 where the Court of Appeal held that the permissibility of a fruit and vegetable store on the relevant land was limited to such a store as described in cl. 41(3) of that LEP, namely a "fruit and vegetable store with a maximum floor area of 150 sq. m". The floor area limitation was a specific component of the description of the permissible development, and not a development standard.
- 19. Should you have any questions in relation to our comments above, please do not hesitate to contact me.

Yours faithfully **Piper Alderman**

ego hi Per: M

Paul Vergotis Partner (Accredited Specialist - Planning & Environment Law)





From:	petrina minter <petrinamntr@gmail.com></petrinamntr@gmail.com>
Sent:	Friday, 28 October 2022 11:02 AM
То:	Council Northernbeaches Mailbox
Subject:	APPLICATION NO PEX 2022/003 DA 2020/1596
Categories:	Amelia

Dear Nemani

I am writing on behalf of my mother Nancye Walton who is 99 years of age, the owner of 17 Florida Road.

In our previous submission to council we complained about the lack of concern for the stone wall behind but close to our southern boundary. We included a copy of White Geotechnical Engineer report 2014 to describe the danger posed by this wall.

We would have expected consideration of our problem in this submission.

To add insult to injury the Survey plan supplied in this application does not show the existence of this stone wall at all. The only reference to our problem is in the Davis Geotechnical Engineers Report that states" this report does not mention 17 Florida road situated below 6 Mitchell road. The steep slope and conditions of the possibility of sandstone boulders present potential hazards and risk to 17 Florida road. This slope component must be inspected and potential risks assessed."

This report dated 1st July 2022 a very surprising comment considering a part of this wall collapsed and tons of rock fell down the cliff onto our land on the 7th April 2022, six months earlier.

Following a request from northern beaches council on 8th April 2022 this site was inspected by Michael Neville senior geotechnical engineer from Public works. I will forward his report which was commissioned by the northern beaches council at the time

The owner of this property has made no effort to make the site safe. The council has not followed up anything with us despite commissioning the report. The house is not safe to live in or rent at the moment so we are losing rent every week. We have engaged lawyers at our own expense to try to do something about our problem. Little wonder we have no confidence with this development and no confidence that there will be any effort to protect us if this application were to be successful.

The survey drawings conducted by DP Surveying have omitted the problem wall from their survey as though it doesn't exist yet it is on every other survey including the survey supplied on the original application. What kind of surveyor would remove a retaining wall that has partly collapsed and is causing grief to a neighbour.

We have no confidence in this application and have no reason to trust anyone involved in it. We hope and expect a far more comprehensive treatment of the geotechnical issues that exist before this building can possibly be passed.

I will forward the latest White Geotechnical Report received on 27th October, describing the current condition of the failed wall and the risk it poses to the property below.

Regards Petrina Minter

From:	petrina minter <petrinamntr@gmail.com></petrinamntr@gmail.com>
Sent:	Friday, 28 October 2022 11:06 AM
То:	Council Northernbeaches Mailbox
Subject:	Fwd: 6 Mitchell Road and 17 Florida Road Palm Beach Landslip: Site Visit
Attachments:	Mitchell & Florida Rds Palm Beach_Site Visit.pdf

Categories:

Amelia

Application no PEX 2022/003 DA 2020/1596

Attention Nemani

Please view and attach this report to my email regarding this application.

Regards Petrina Minter

------ Forwarded message -------From: **Ben Fallowfield** <<u>Ben.Fallowfield@northernbeaches.nsw.gov.au</u>> Date: Sun, 10 Apr 2022 at 08:41 Subject: Fwd: 6 Mitchell Road and 17 Florida Road Palm Beach Landslip: Site Visit To: <u>petrinamntr@gmail.com</u> <<u>petrinamntr@gmail.com</u>>

Hi Petrina, report attached.

Regards Ben

Get Outlook for iOS

From: Michael Neville <<u>michael.neville@pwa.nsw.gov.au</u>>
Sent: Sunday, April 10, 2022 4:40:00 PM
To: Ben Fallowfield <<u>Ben.Fallowfield@northernbeaches.nsw.gov.au</u>>
Cc: Russell Peake <<u>Russell.Peake@northernbeaches.nsw.gov.au</u>>; Martin Dwyer <<u>martin.dwyer@pwa.nsw.gov.au</u>>
Subject: 6 Mitchell Road and 17 Florida Road Palm Beach Landslip: Site Visit

Ben,

Report attached. Russell to pass on to the property owners.

Michael

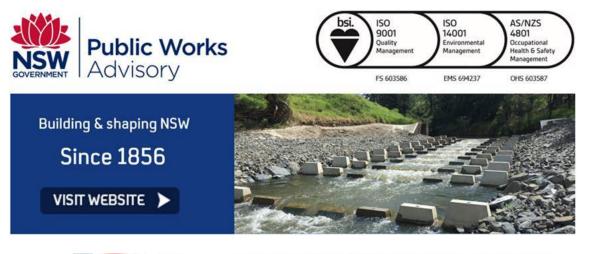
Michael Neville

Senior Engineering Geologist | Emergency Engineering Management

Public Works Advisory & Regional Development | Department of Regional NSW

T 02 9769 9778 | M 0472 984721 M 0407 026499 | E Michael.neville@pwa.nsw.gov.au

Level 30, 4 Parramatta Square, 12 Darcy St, Parramatta, NSW 2150.



Linked in POUTube What does PWA do? Check out these short videos!

The Department of Planning, Industry and Environment acknowledges that it stands on Aboriginal land. We acknowledge the traditional custodians of the land and we show our respect for elders past, present and emerging through thoughtful and collaborative approaches to our work, seeking to demonstrate our ongoing commitment to providing places in which Aboriginal people are included socially, culturally and economically.

Northern Beaches Council

PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS EMAIL. This email and any materials contained or attached to it ("Contents") may contain confidential information. If you are not the intended recipient contact the sender immediately, delete the communication from your system and destroy any copies. The contents may also be subject to copyright. Any unauthorised copying, disclosure or distribution of the contents is strictly prohibited. Northern Beaches Council makes no implied or express warranty that the integrity of this communication has been maintained. The contents may contain errors, computer viruses or have been subject to interference in transmission. Northern Beaches Council. Northern Beaches Council

17 FLORIDA ROAD & 6 MITCHELL ROAD, PALM BEACH: SITE INSPECTION 9.04.2022

Following an email request from Northern Beaches Council (8.04.2022: 10:42 PM), the sites were inspected on the morning of 9.04.2022. Between both addresses approximately 2¼ hours were spent on site. During the inspection, I was accompanied by Russell Peake (Northern Beaches Council) and Katrina Minter (owner 17 Florida Road), and at various times by Sian Uther (Real Estate agent, 6 Mitchell Road), Roger Bain (owner, 6 Mitchell Road), his son Albert, David Pralston (tenant, 6 Mitchell Road), and Peter North (excavator operator, invited by Katrina Minter). A soil slump in saturated soil caused failure of a sandstone block retaining/landscape wall in a lower garden of 6 Mitchell Road (see **Photos 1 and 2**). Sandstone blocks rolled/bounced approximately 13m down a steep rock slope, coming to rest on a flat sandstone bench above the dwelling at 17 Florida Road (see **Photos 3 and 4**). Fortunately, there was no damage; although a length of steel pipe was displaced, and one block came to rest against a secondary structure (see **Photo 5**). Approximately 10m above the sandstone bench at the rear of 17 Florida Road, the downhill roll of three large blocks was arrested by thick vines (see **Photo 6**). The largest block is estimated to be 0.5 – 0.6 tonnes (see **Photo 7**).

There are two stability issues at the site:

- I. The three large unstable blocks arrested by the thick vines are of immediate concern and require immediate attention as they pose a risk to the dwelling below.
- II. The slump and failed retaining/landscape wall requires assessment by a geotechnical specialist to develop an appropriate remedial solution. This assessment should be undertaken in the short-term; but is less critical than the above. The existing wall appears to be a landscaping structure rather than an engineered retaining structure; although, blocks are not mortared and would allow drainage. Seepage appears to have concentrated in the area behind the failure, saturating the soil.

For the immediate remedial work, an attempt is proposed to cradle the unstable blocks from above and lower them by winching down to the flat sandstone bench at the rear of 17 Florida Road. This work would require machine access onto the concrete drive above the residence at 6 Mitchell Road. The load capacity of the concrete drive would need to be assessed by a structural engineer, prior to development of detailed work plans. Access to the unstable blocks will be difficult, probably requiring rope access and some vegetation clearing.

Further rainfall is predicted. As temporary measures, the following was recommended (and was being actioned by the owner of 6 Mitchell Road):

- Filling a thin, additional tension crack (see **Photo 8**) at the rear of the main failure with an expansive foam filler to prevent water infiltration and potential for additional failure, and
- Covering the failure area with a plastic tarpaulin between the upper block wall and the lower failed wall.

Currently, the tenant of 17 Florida Road has given an undertaking to only occupy the front portion of the dwelling. Following completion of immediate remedial work, normal dwelling use is possible.

This site was previously investigated by Douglas Partners in 2004 as part of development plans for the sites. Anecdotally, they apparently recognised potential for stability problems. Further geotechnical assessment by Douglas Partners would be appropriate, with initial contact through John Braybrooke (Principal, Engineering Geologist).

M. Neville Senior Engineering Geologist Public Works Advisory PHOTOS



PHOTO 1 Approximate locations of main features

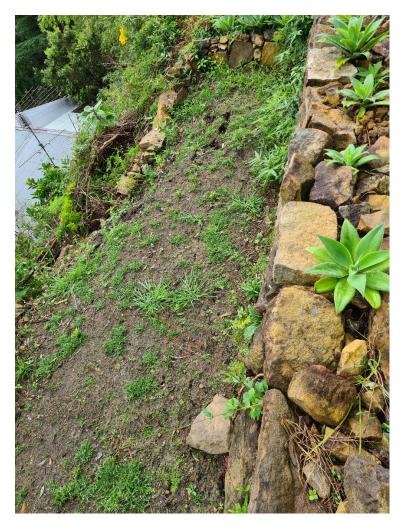


PHOTO 2 General view of slump area and failed lower retaining/landscape wall

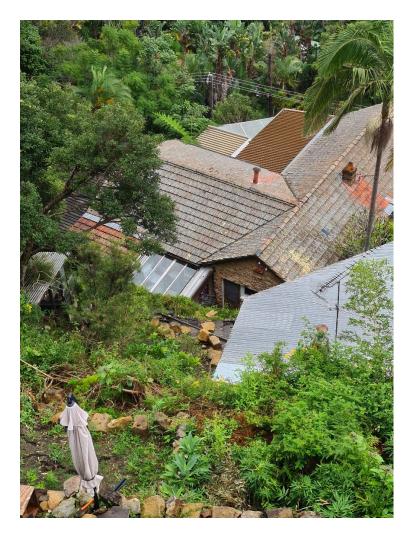


PHOTO 3 View from 6 Mitchell Road, showing slump/wall failure and flat sandstone bench with block debris at the rear of 17 Florida Road.



PHOTO 4 Sandstone block debris on flat sandstone bench at the rear of 17 Florida Road (Russell Peake in photo).



PHOTO 5 Block at rest against the secondary structure, 17 Florida Road.

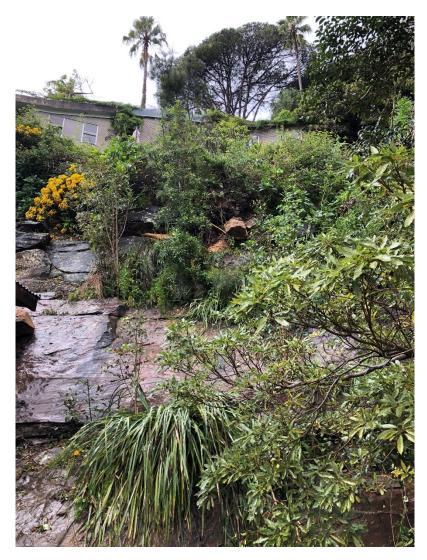


PHOTO 6 Three unstable blocks located approximately 10m above, and posing risk to the dwelling at 17 Florida Road.

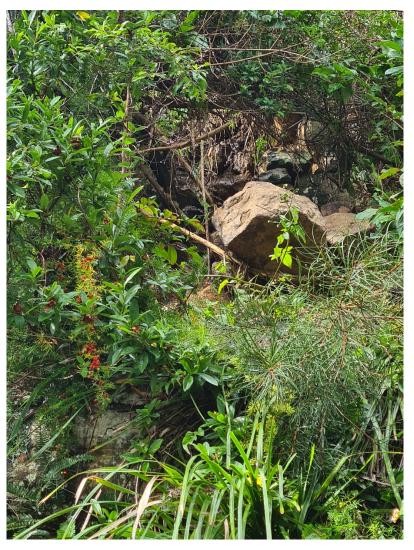


PHOTO 7 Close view of the unstable blocks above 17 Florida Road, the largest estimated as approximately 0.5 - 0.6 tonnes.



PHOTO 8 Small tension crack extending from slumped area, recommended to be filled with expanding foam filler.

From:	petrina minter <petrinamntr@gmail.com></petrinamntr@gmail.com>
Sent:	Friday, 28 October 2022 11:14 AM
То:	Council Northernbeaches Mailbox
Subject:	Fwd: 17 Florida Rd, Palm Beach - Report
Attachments:	J0167A 17 Florida Rd, Palm Beach. Failed Retaining Wall 11.10.22.pdf

Categories:

Amelia

Application No PEX 2022/003 DA 2020/1596

Attention Nemani

Please view and attach this report below from White Geotechnical Engineers to my email regarding this application

Regards Petrina Minter



J0167A. 21st October, 2022 Page 1.

17 Florida Road, Palm Beach

Retaining Wall Stability

Scope

The aim of this letter is to assess the failed retaining wall immediately above the subject property.

Background

The site was inspected on the 11th of September 2022 and previously on 21st May 2014.

During the inspection in 2014 it was assessed the wall did not meet current engineering standards and could fail during adverse conditions. It was recommended the wall be remediated to current engineering standards. This work was never carried out. During the intense prolonged rainfall that occurred in March this year we were informed by the owner that the wall failed across a width of some 3.0m. Several block components of the wall came down the steep slope and damaged the timer deck immediately behind the subject house below.

The owner informs us the retaining wall is wholly located on the neighbouring property above, no. 6 Mitchell Rd, Palm Beach, that is accessed via the Bible Garden from Mitchell Rd above. The retaining wall totally benefits the property above in that it supports a fill that creates a level platform on the slope for a lawn that extends from the downhill side of the neighbouring house above house.

Observations

The sandstone block retaining wall is located on the edge of a near vertical rock face (Photo 1 & 2). A Studio/Entertaining Area and House on the subject property is located immediately below the very steep slope (Photo 2 & 3).



J0167A. 21st October, 2022 Page 2.

The retaining wall is covered in thick lantana making access and visibility difficult. Additionally, a tarp had been draped over the failed portion of the wall from above (Photo 4).

The portion of wall that failed reached a height of some 3.0m (Photo 5 & 6). The Components from the failed portion of the wall were scattered on the steep slope immediately below the wall (Photo 7). The fill behind the failed portion of the wall consists of broken sandstone and soil. Along the Northern margin of the failed portion of wall the lower wall components have moved from horizontal to dipping at up to 45° (Photo 8). Where this has occurred, it is possible further movement or wall failure could occur during prolonged wet weather or a changed drainage regime upslope (such as a result of a broken pipe or similar).



Photo 1 – failed portion of wall



J0167A. 21st October, 2022 Page 3.



Photo 2 – failed portion of wall



Photo 3

White Geotechnical Group ABN 96164052715

www.whitegeo.com.au Phone 027900 3214 Info@whitegeo.com.au Level 1/ 5 South Creek Rd, Dee Why



J0167A. 21st October, 2022 Page 4.



Photo 5

White Geotechnical Group ABN 96164052715

www.whitegeo.com.au

Info@whitegeo.com.au Phone 027900 3214 Level 1/ 5 South Creek Rd, Dee Why



J0167A. 21st October, 2022 Page 5.



Photo 7

White Geotechnical Group ABN 96164052715

www.whitegeo.com.au Phone 027900 3214 Info@whitegeo.com.au Level 1/ 5 South Creek Rd, Dee Why



J0167A. 21st October, 2022 Page 6.

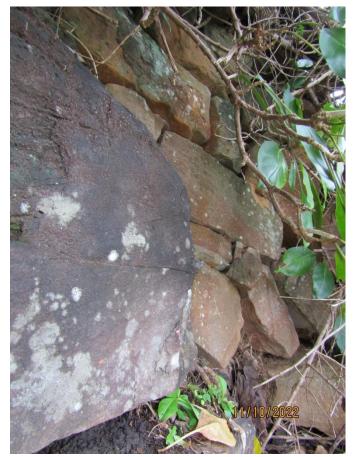


Photo 8

Recommendations

It is recommended the wall be remediated to current engineering standards as soon as possible as it is likely further collapse of the wall could occur during or shortly after heavy prolonged rainfall.

Prior to any remedial works commencing a catch fence should be installed on the rock face below to protect the subject house and Studio/Entertaining Area from any construction related movement.



J0167A. 21st October, 2022 Page 7.

As the wall is mostly supported on Sandstone bedrock this would most easily be done by utilising the bedrock for the wall support, by grouting suitable bar 0.4m into the Medium Strength Sandstone bedrock. Mesh over strip drain at 1.2m centres could be fixed to the existing wall face, then the whole thing sprayed with concrete to form a sprayed concrete wall over the existing. Should additional lateral support be required for the wall Deadmen can be installed on the slope above. The details of the sprayed concrete wall are to be designed by a structural engineer in consultation with the geotechnical consultant.

Any works carried out on the wall will need to be done by contractors working in harnesses due to the steep slope immediately below.

Any questions on any aspect of this report, do not hesitate to contact us.

White Geotechnical Group Pty Ltd.

Felite

Ben White M.Sc. Geol., AusIMM., CP GEOL. No. 222757 Engineering Geologist