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CITY OF CANTERBURY BANKSTOWN

To: Tracy Ryan
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HAMILTON CENTRAL QLD 4007

STORMWATER SYSTEM REPORT 15 Hendy Avenue, PANANIA NSW 2213

Date: 14-Jul-2023
Ref: WP-SIAONL-1438/2023
Development type: **Detached Dwelling (single house)**

NO	FLOOD/OVERLAND FLOW STUDY REQUIRED
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The site is affected by the following Council stormwater system components:

- Overland flowpath for excess stormwater runoff from the upstream catchment north & west of the site.

The site will be subject to stormwater inundation from this overland flowpath during large storm events. Refer to the attached "**100 Year ARI Flood & PMF Extent Maps from Little Salt Pan Creek Catchment Study**" showing the flood contours to m AHD**. Provision should be made on site, and at boundary fences, for this stormwater runoff to pass unobstructed over the site. Stormwater flowing naturally onto the site must not be impeded or diverted.

The estimated 100 year ARI* flood level at the site is RL 18.3 m AHD.**

For this development, a flood /overland flow study to determine the 100 year ARI* water surface level is not necessary provided that the **proposed development including floor levels, shall comply with the development controls specified in Chapter 2.2 Schedule 5, of Canterbury Bankstown's Development Control Plan 2023 - Catchments Affected by Stormwater Flooding.**

The Development Application submission shall be based on an AHD datum for levels where sites are affected by overland flow / flooding. Refer Canterbury Bankstown Council's *Development Engineering Standards**.**

Habitable floor levels are to be at least 300mm above the 100 year ARI* flood level at the site.

Runoff on the site, and naturally draining to it is to be collected and disposed of to Council's requirements detailed in Canterbury Bankstown Council's *Development Engineering Standards****.

This report is given without the benefit of development plans or a site survey.

This report relates to the exposure of the subject site to Council's stormwater system, both underground and overland. It does not assess the suitability or otherwise of this site for the proposed development.

* Average Recurrence Interval

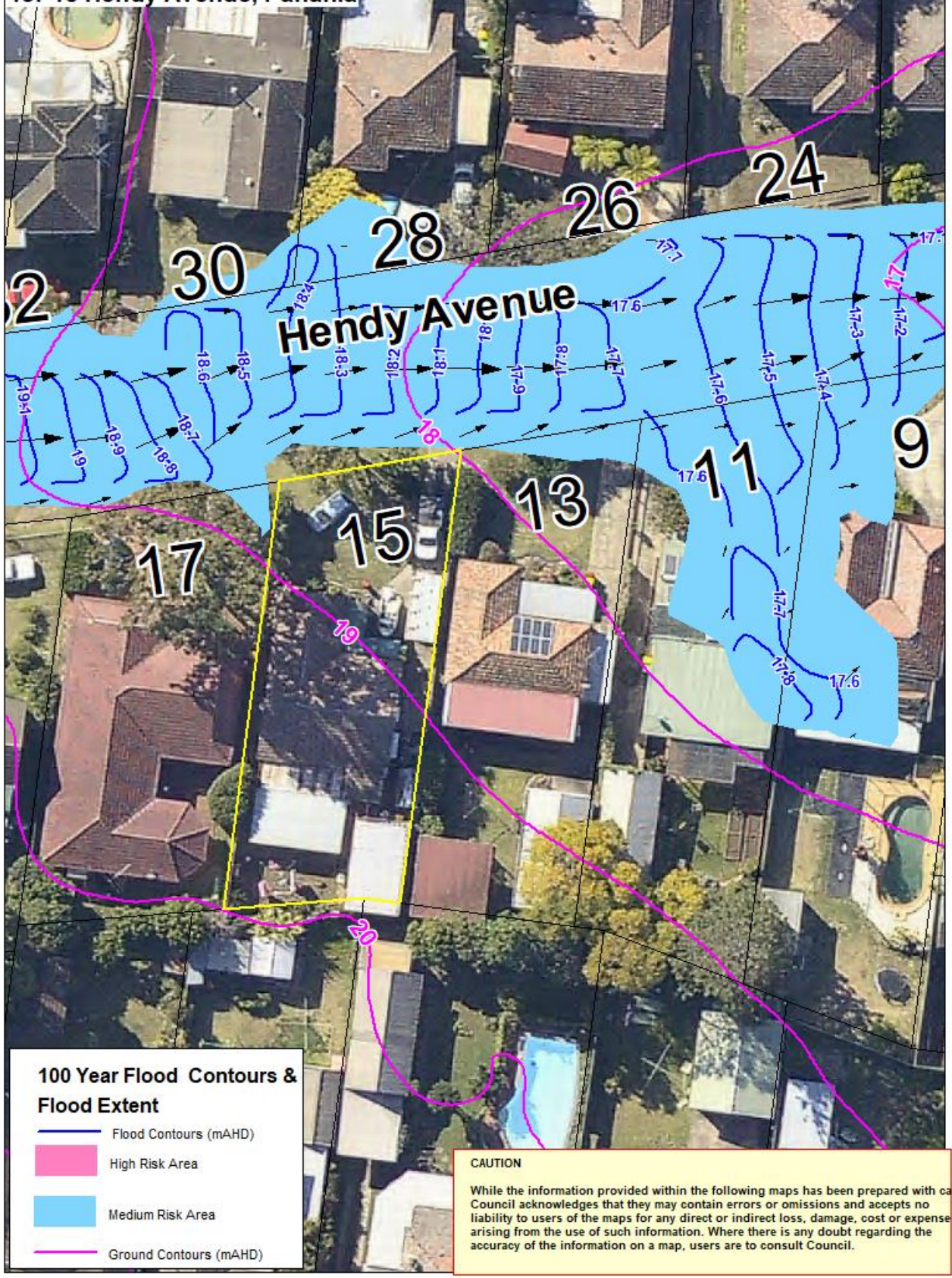
** Australian Height Datum

*** Canterbury Bankstown Council's *Development Engineering Standards* June 2023 and Canterbury Bankstown's *Development Control Plan 2023* is available from Council's Web Page.

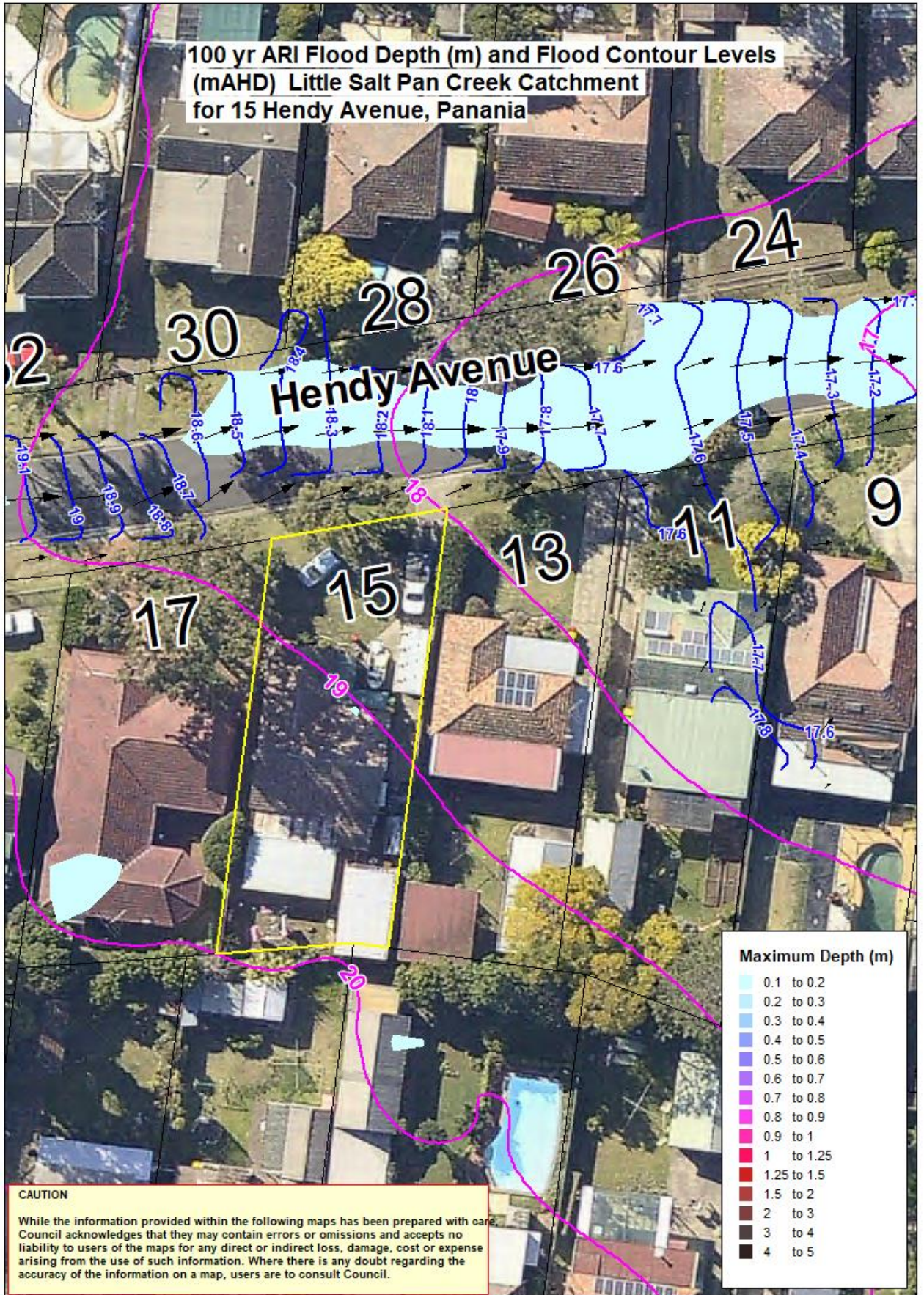
PMF Probable Maximum Flood

Pushpa Goonetilleke
ENGINEER

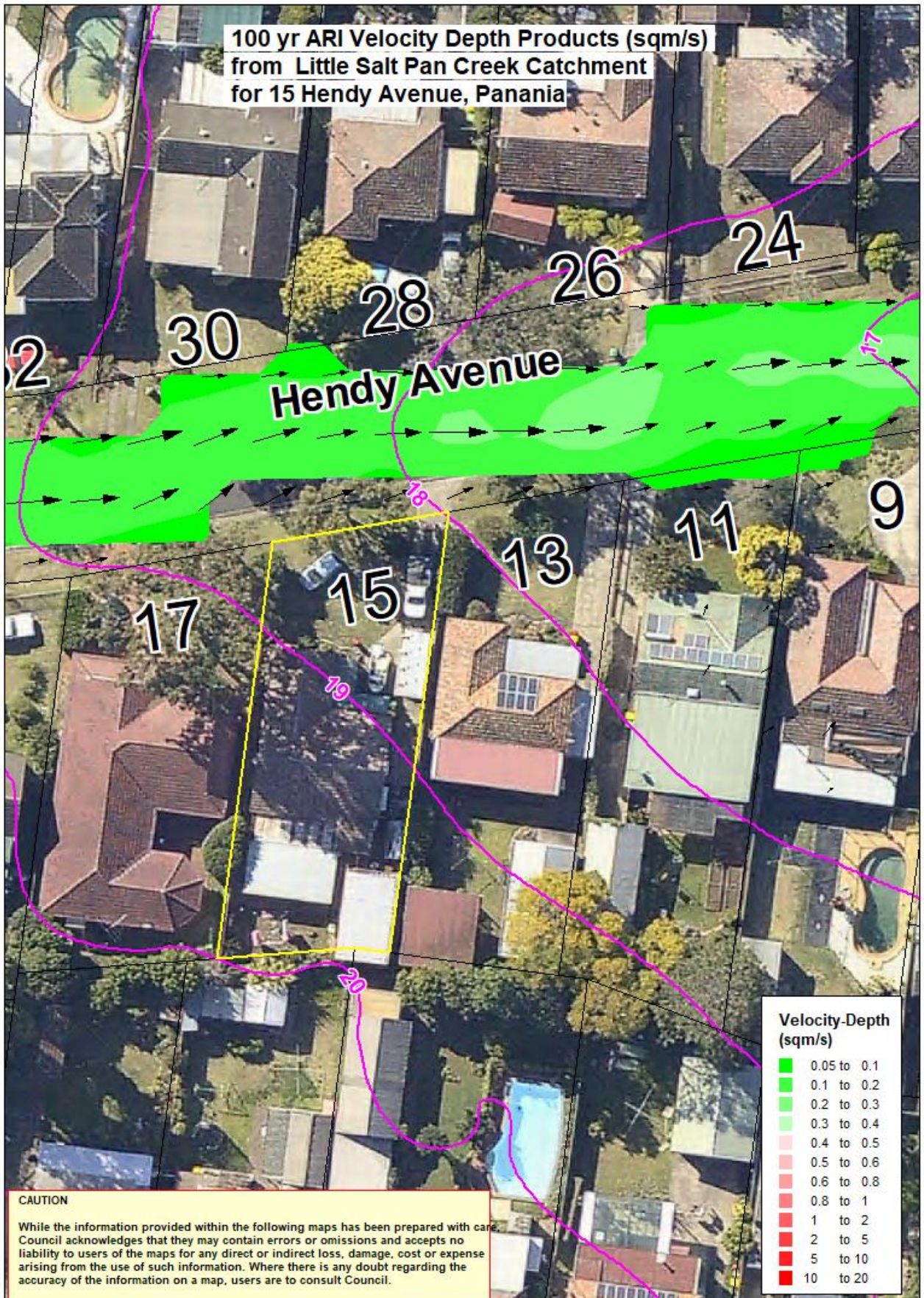
100 Year ARI Flood Extent and Flood Contour Levels (mAHD) Little Salt Pan Creek Catchment for 15 Hendy Avenue, Panania



100 yr ARI Flood Depth (m) and Flood Contour Levels (mAHD) Little Salt Pan Creek Catchment for 15 Hendy Avenue, Panania



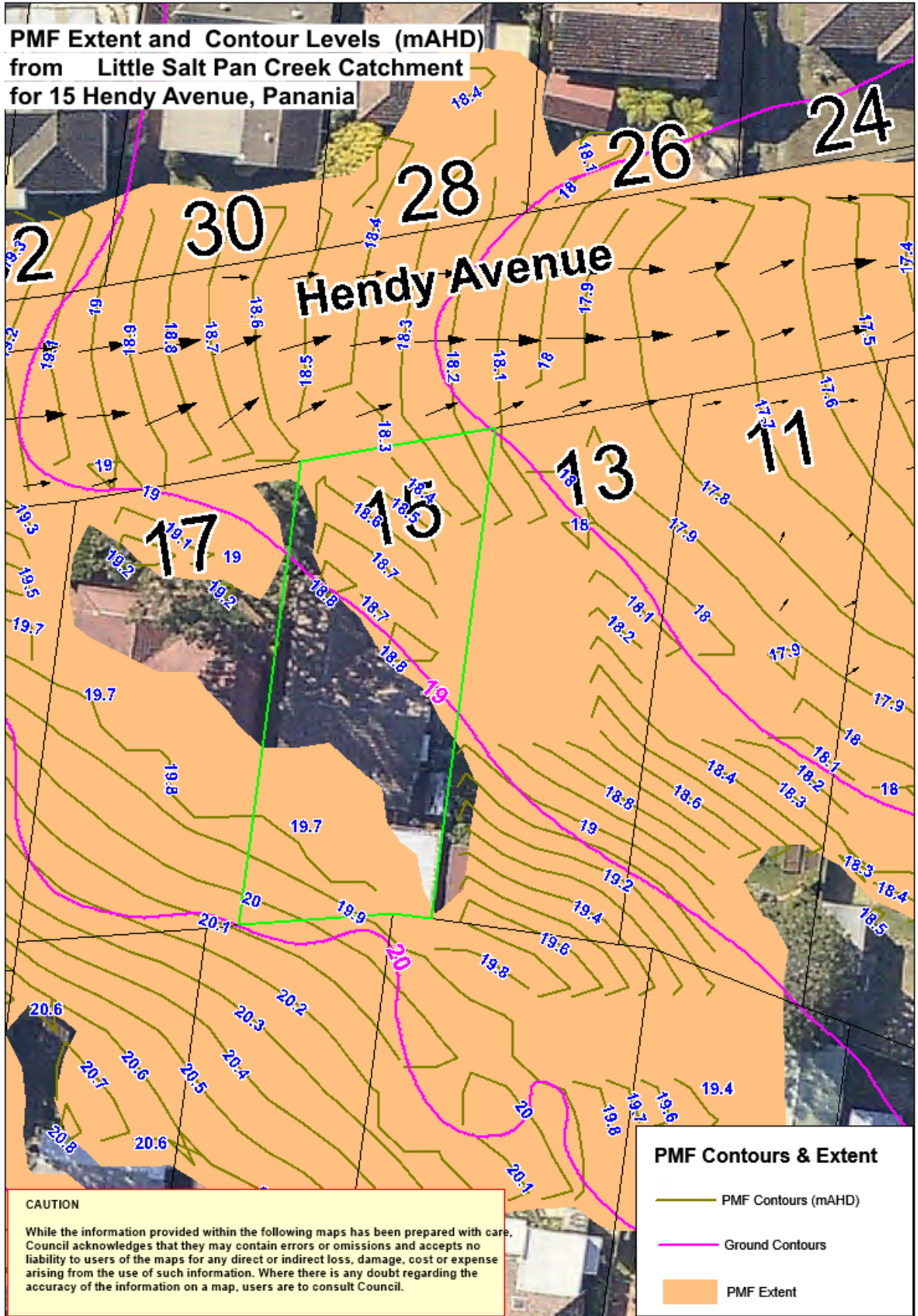
100 yr ARI Velocity Depth Products (sqm/s)
 from Little Salt Pan Creek Catchment
 for 15 Hendy Avenue, Panania



Velocity-Depth (sqm/s)	
Lightest Green	0.05 to 0.1
Light Green	0.1 to 0.2
Medium-Light Green	0.2 to 0.3
Medium Green	0.3 to 0.4
Light Yellow-Green	0.4 to 0.5
Light Yellow	0.5 to 0.6
Yellow	0.6 to 0.8
Orange	0.8 to 1
Red-Orange	1 to 2
Red	2 to 5
Dark Red	5 to 10
Black	10 to 20

CAUTION
 While the information provided within the following maps has been prepared with care, Council acknowledges that they may contain errors or omissions and accepts no liability to users of the maps for any direct or indirect loss, damage, cost or expense arising from the use of such information. Where there is any doubt regarding the accuracy of the information on a map, users are to consult Council.




PMF Extent and Contour Levels (mAHD)
from Little Salt Pan Creek Catchment
for 15 Hendy Avenue, Panania



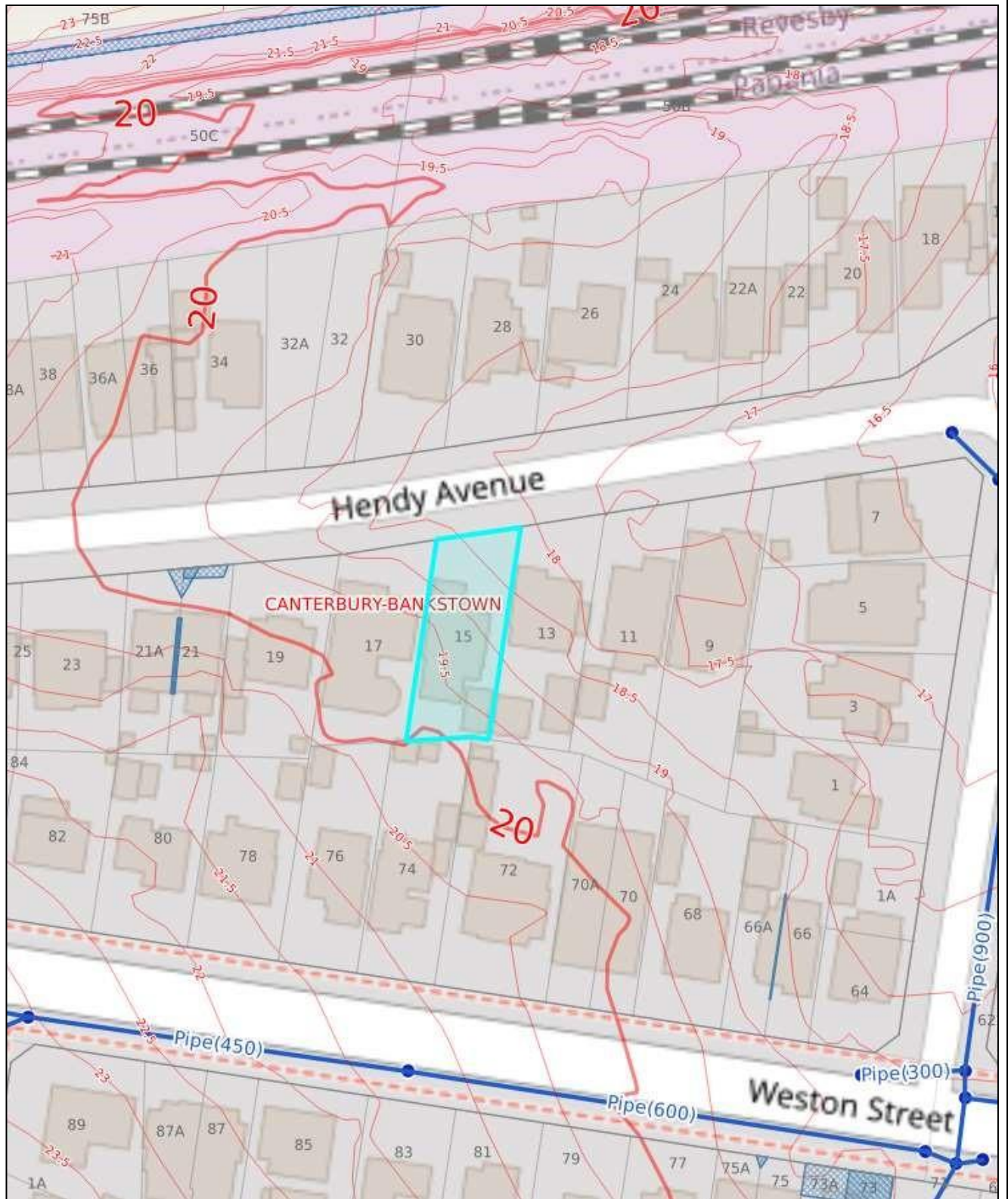
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PMF Contours & Extent

-  PMF Contours (mAHD)
-  Ground Contours
-  PMF Extent

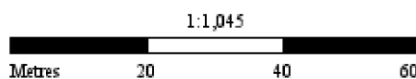
GIS Map15 Hendy Avenue, Panania




DATE: Jul 18, 2022, 4:23 PM


PREPARED BY: Pushpa Goonetilleke

Whilst all care has been taken in the preparation of this base map, Council accepts no responsibility for the accuracy of any information shown. Users should rely on their own enquiries in order to validate information shown on this map. This information is for graphical presentation only.



LEGEND


 Canterbury Bankstown LGA

 Surrounding LGA's


Jetty

 Jetty


Parcel Frontage

 Parcel Frontage


Parcel Boundary

 Parcel Boundary


Parcel Easements (Line)

 Parcel Easements (Line)


Parcel Easements (Polygon)

 Parcel Easements (Polygon)


Contours (Major 10m)

 Contours (Major 10m)

Contours (Intermediate 5m)

 Contours (Intermediate 5m)

Contours (Minor <5m)

 Contours (Minor <5m)

Drains

 Drains

Pits

 Pits

Sydney Water Stormwater Channels

