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CITY OF CANTERBURY BANKSTOWN

To: Vu Phong Tran
20 Wingara St
CHESTER HILL NSW 2162

STORMWATER SYSTEM REPORT 20 Wingara Street, CHESTER HILL NSW 2162

Date: 05-May-2022
Ref: WP-SIA-926/2022
Development type: **Detached dwelling (single house)**

NO

FLOOD/OVERLAND FLOW STUDY REQUIRED

The site is affected by the following stormwater system components:

- 675mm diameter stormwater pipeline (according to Council records) and associated 2.44m wide easement located along the western site boundary within the site.
- Overland flowpath for excess stormwater runoff from the upstream catchment and associated with this drainage system.

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 Flood Extent Maps from Wolumba Catchment Study**" showing the flood contours to mAHD**. 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 32.7 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 Part B12 Schedule 5, of Bankstown's Development Control Plan 2015 - 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 Bankstown Council's *Development Engineering Standards**.**

Habitable floor levels are to be 500mm 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 Bankstown Council's *Development Engineering Standards****.

All structures and buildings must be located clear of pipelines and easements. Proposed structures may require special footings due to their proximity to stormwater easements and pipelines. Refer to Bankstown Council's *Development Engineering Standards**.**

This report is given without the benefit of development plans or a site survey. Council may choose to vary some report requirements following evaluation of detailed plans when they are submitted.

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

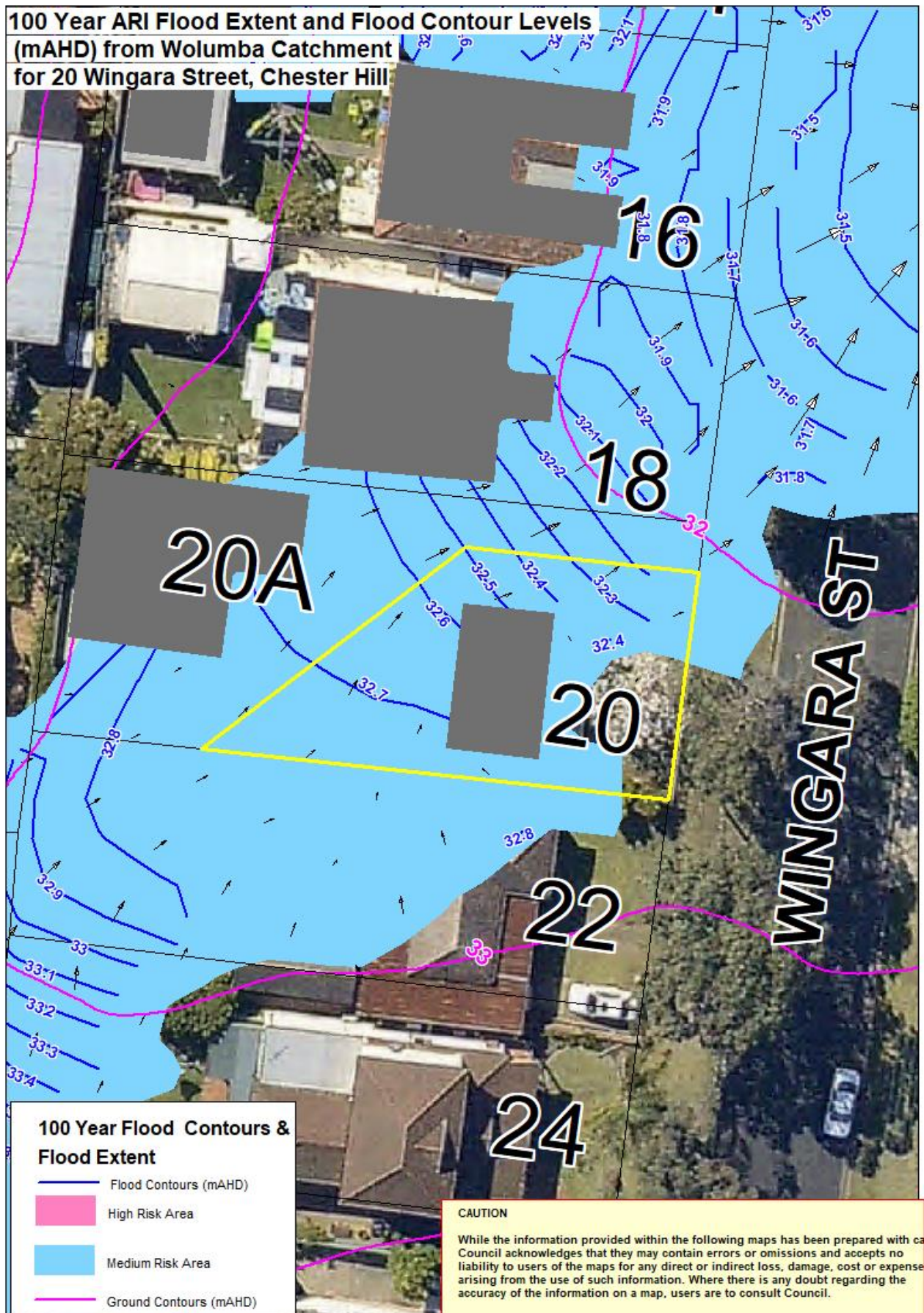
** Australian Height Datum

*** Bankstown Council's *Development Engineering Standards* and *Bankstown's Development Control Plan 2015* is available from Council's Customer Service Centre.

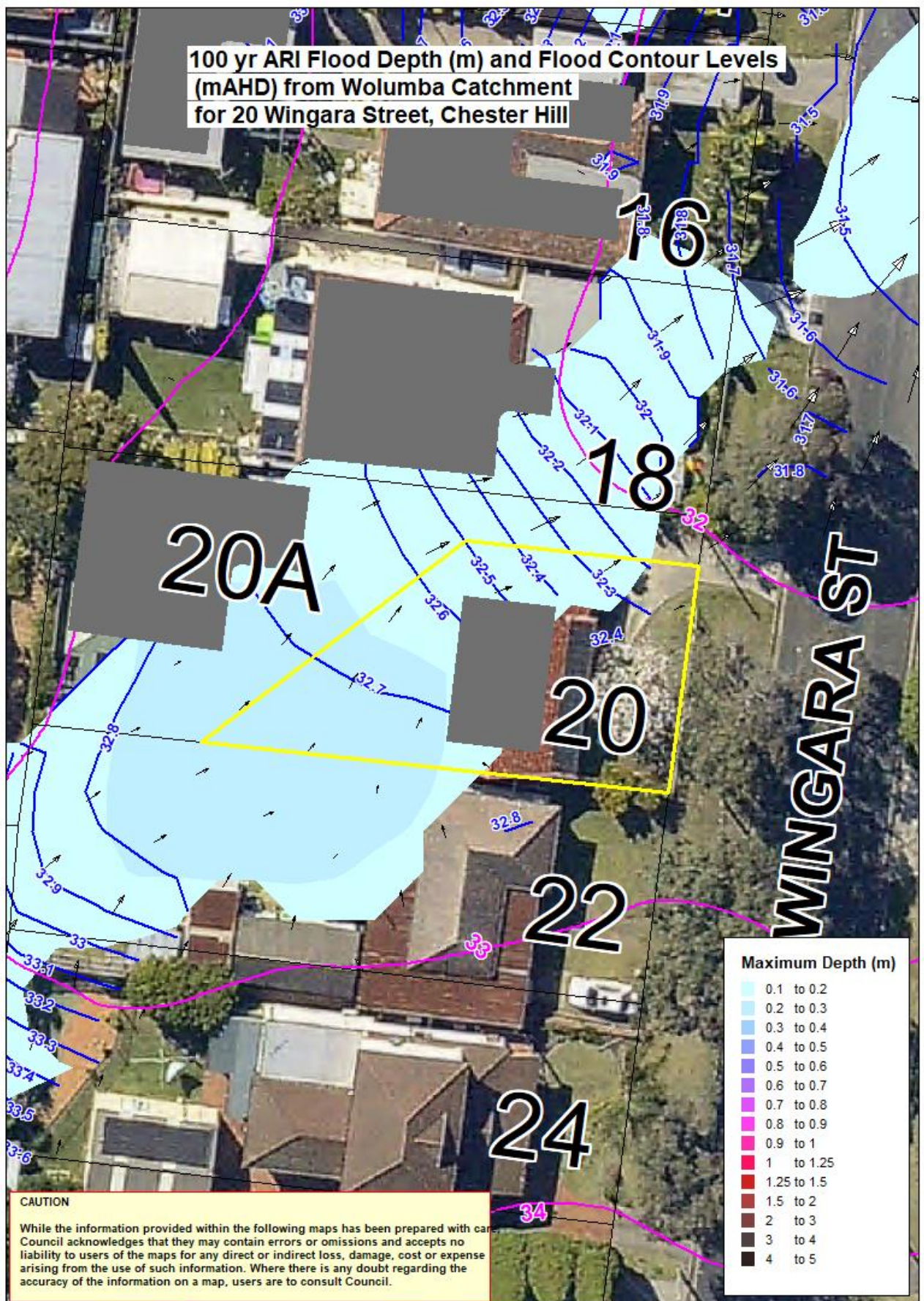
PMF Probable Maximum Flood

Jeshica Mool
Infrastructure Services Officer

**100 Year ARI Flood Extent and Flood Contour Levels
(mAHD) from Wolumba Catchment
for 20 Wingara Street, Chester Hill**



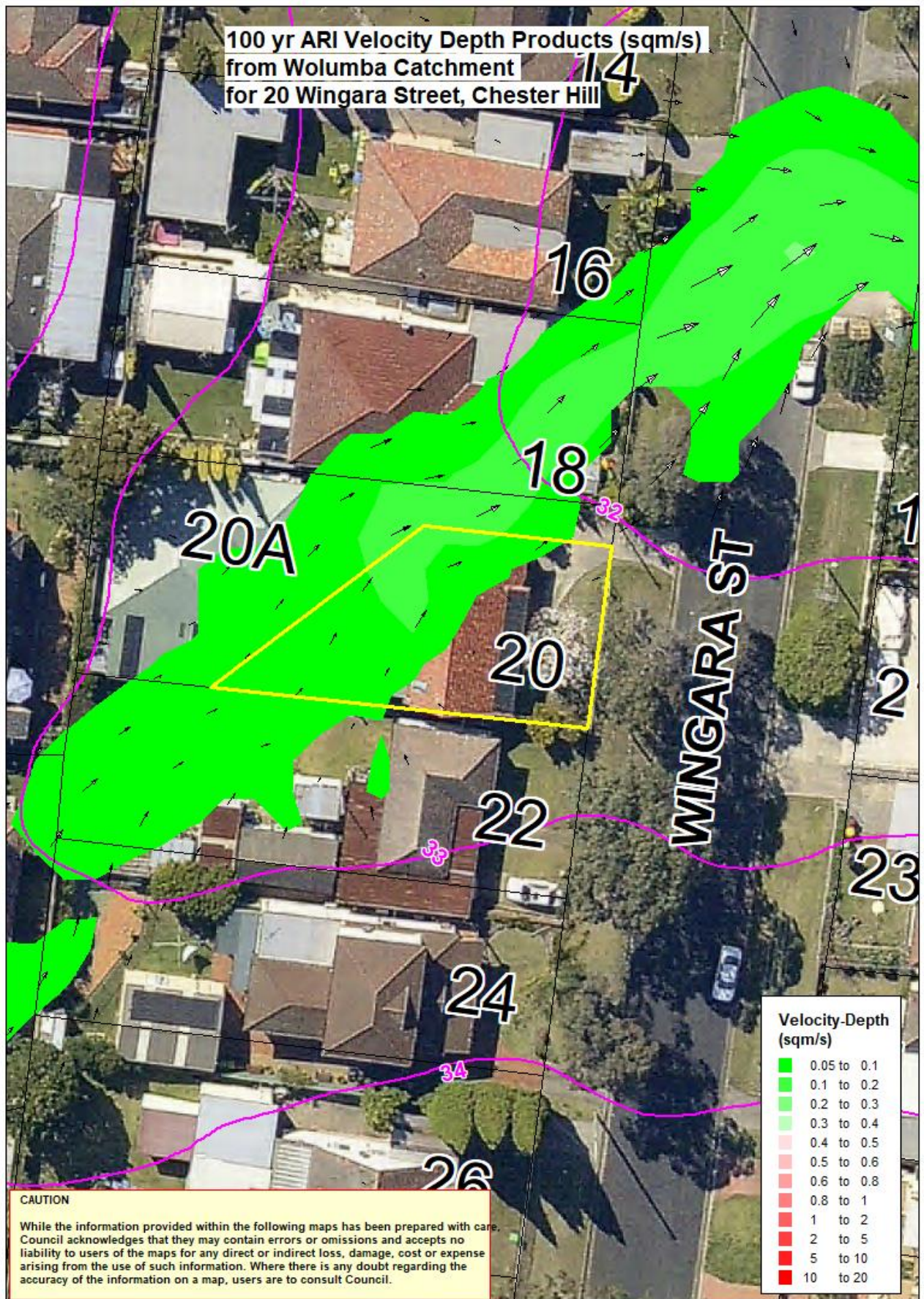
100 yr ARI Flood Depth (m) and Flood Contour Levels (mAHD) from Wolumba Catchment for 20 Wingara Street, Chester Hill



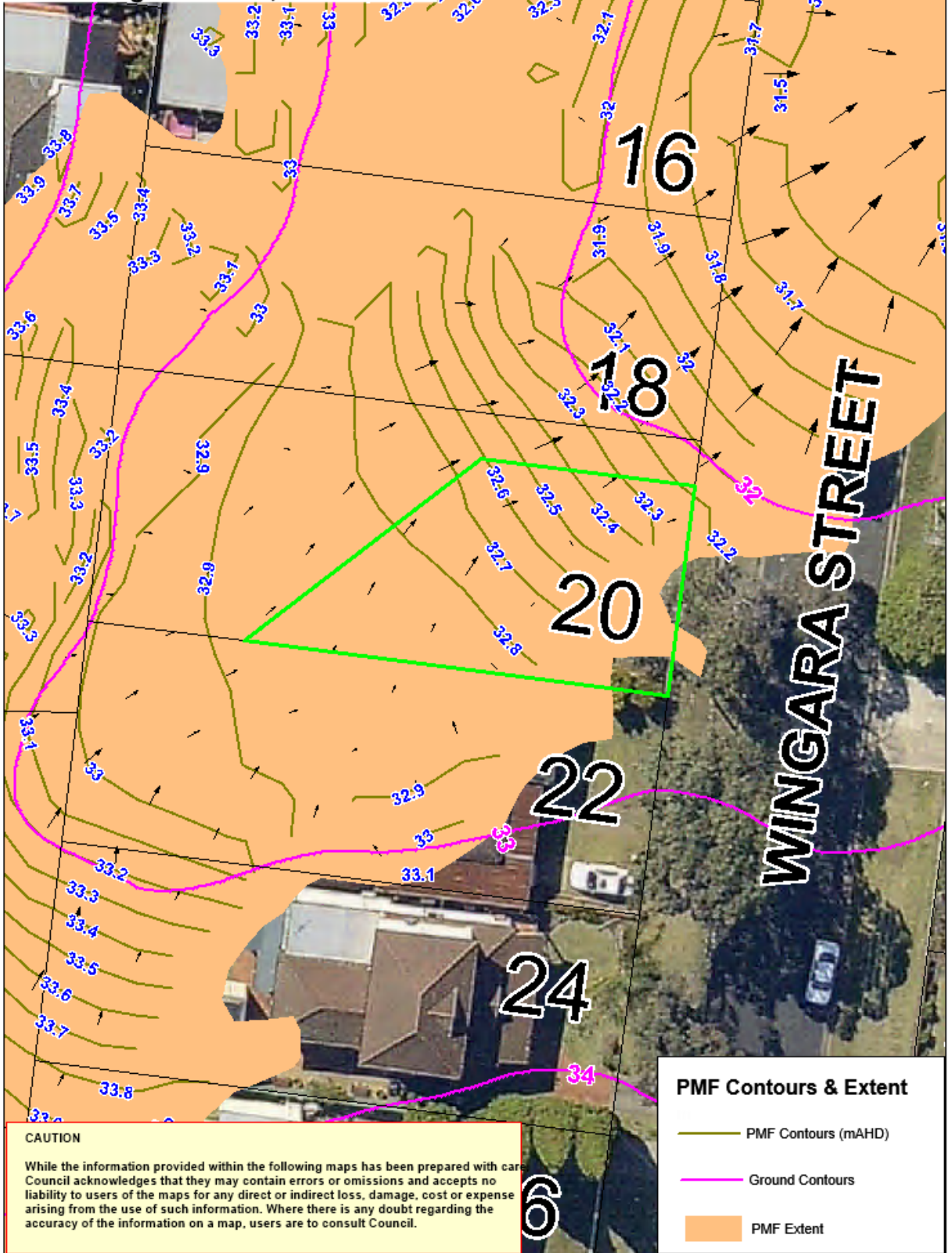
CAUTION

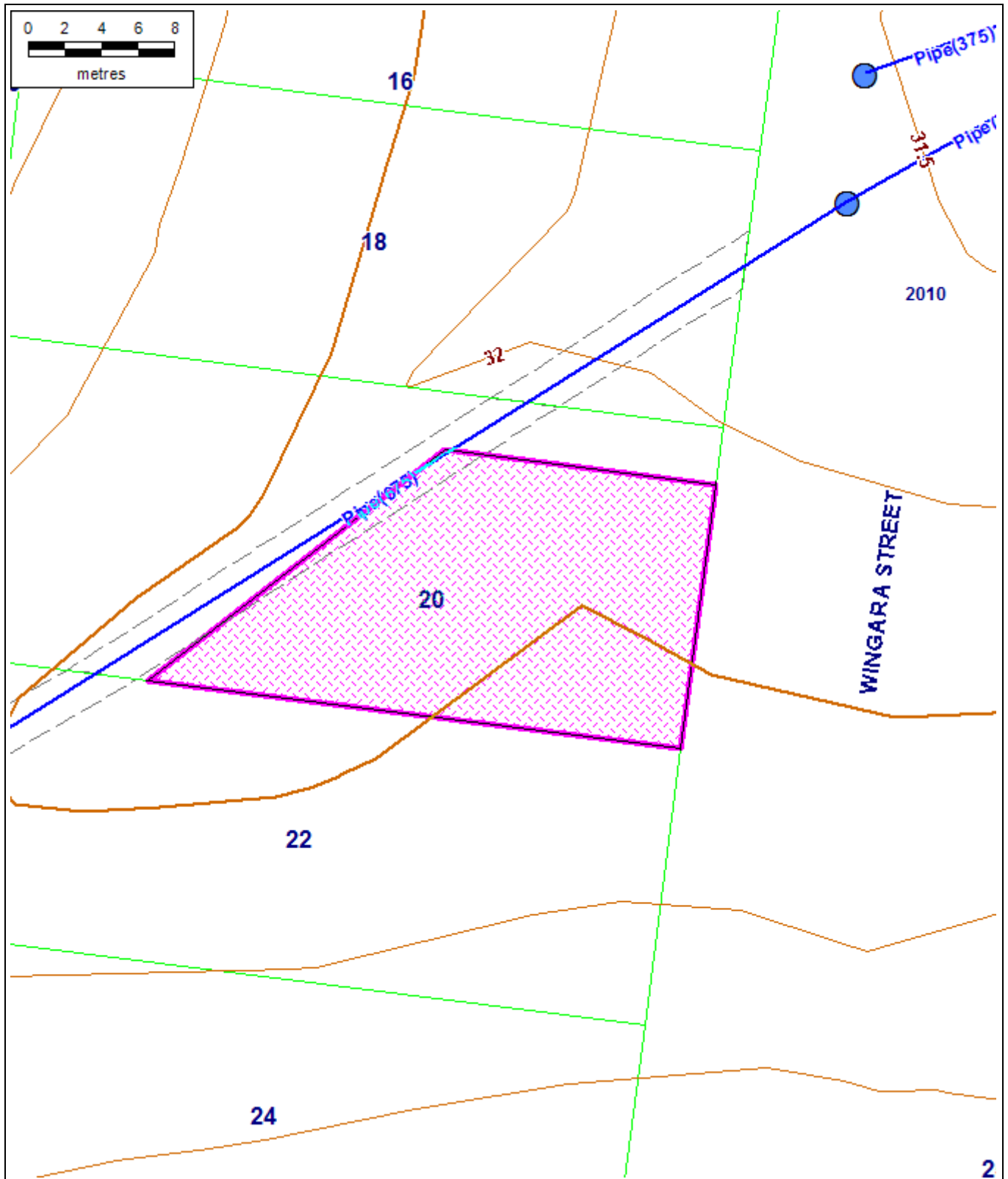
While the information provided within the following maps has been prepared with care, Council acknowledges that they may contain errors or omissions and accepts no liability to users of the maps for any direct or indirect loss, damage, cost or expense arising from the use of such information. Where there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

100 yr ARI Velocity Depth Products (sqm/s)
from Wolumba Catchment
for 20 Wingara Street, Chester Hill



**PMF Extent and Contour Levels (mAHD)
from Wolumba Catchment
for 20 Wingarra Street, Chester Hills**





1:303.9
6 May 2022

20 Wingara Street, Chester Hill

GIS Map

DISCLAIMER: COUNCIL EXPRESSLY DISCLAIMS ALL LIABILITY FOR
ERRORS OR OMISSIONS.
THIS PLAN HAS NO LEGAL STANDING





1:303.9
6 May 2022

20 Wingara Street, Chester Hill

Aerial Map

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Legend



Suburb



Stormwater Drains MD



Stormwater Pits MD



Sydney Water



Contour Major 5m



Contour Intermediate 2.5m



Contour Minor 0.5m



_25cm Contour Interval (Major)



_25cm Contour Interval (Basic)



_25cm Contour Interval (Minor)



Parcel



Parcel Associate



Parcel Vinculum



Jetty



Easements



Road Boundaries



Aerial Photo 14052019



Road Names



Airport Internal Road



Water Boundary



Airport Taxiway