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CITY OF CANTERBURY BANKSTOWN

To: Emily Allen
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MEREWETHER NSW 2291

STORMWATER SYSTEM REPORT 20 Dasea Street, CHULLORA NSW 2190

Date: 13-Mar-2020
Ref: WP-SIA-339/2020
Development type: **Industrial**

NO

FLOOD/OVERLAND FLOW STUDY REQUIRED

The site is affected by the following Council stormwater system components:

- Council's stormwater pipelines and associated 4m wide drainage easement located south west corner within the site.
- Overland flowpath for excess stormwater runoff from the upstream catchment and associated with the drainage systems located west, east & north 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 Extent Maps from Rookwood Road Catchment Study**". 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.

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.**

- **Provide the suitable overland flowparths to the site at south west corner, northern boundary, north east corner & eastern boundary.**

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**.**

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 and overland stormwater flowpaths *.**

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.

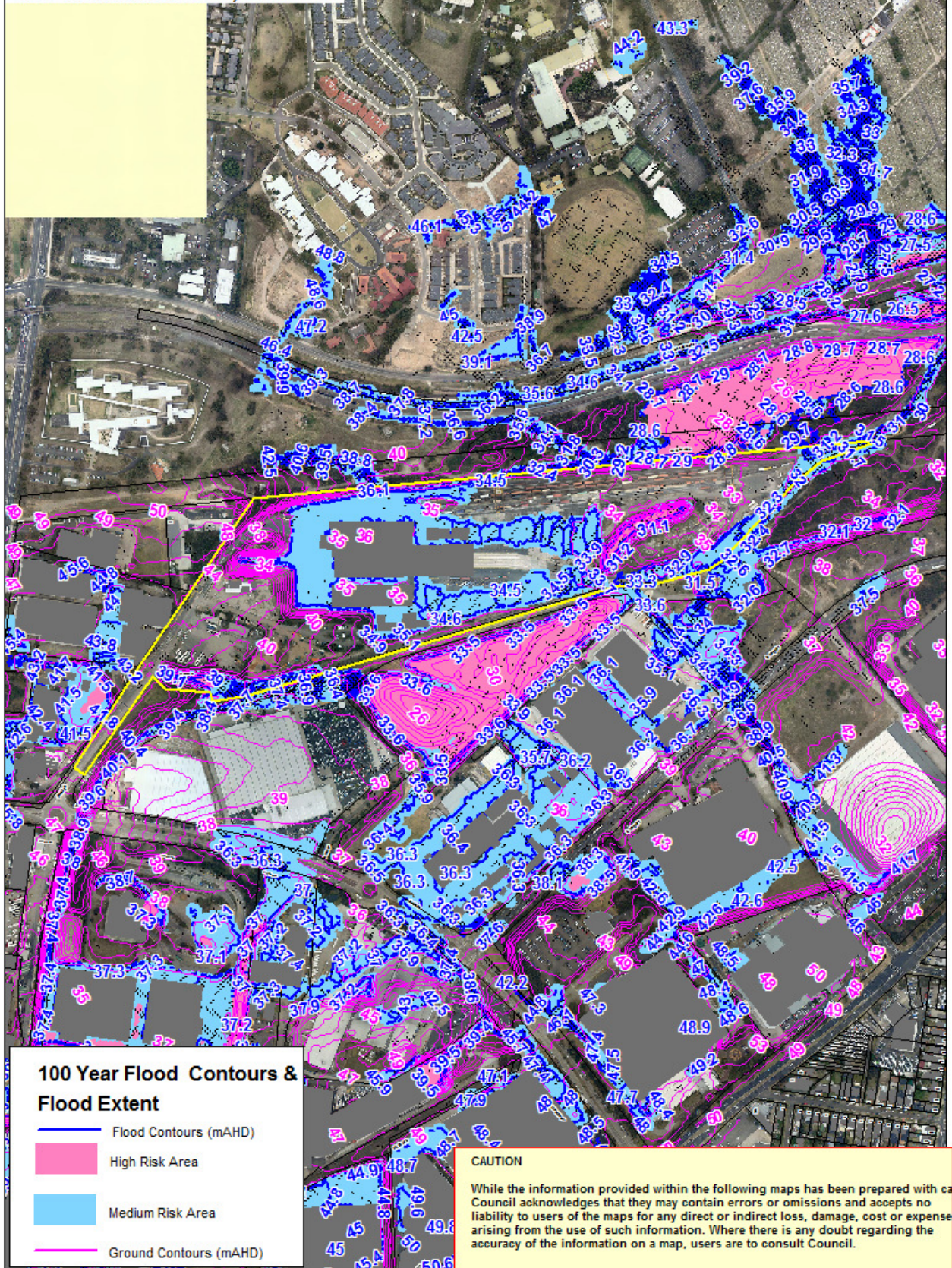
* Average Recurrence Interval

** Australian Height Datum

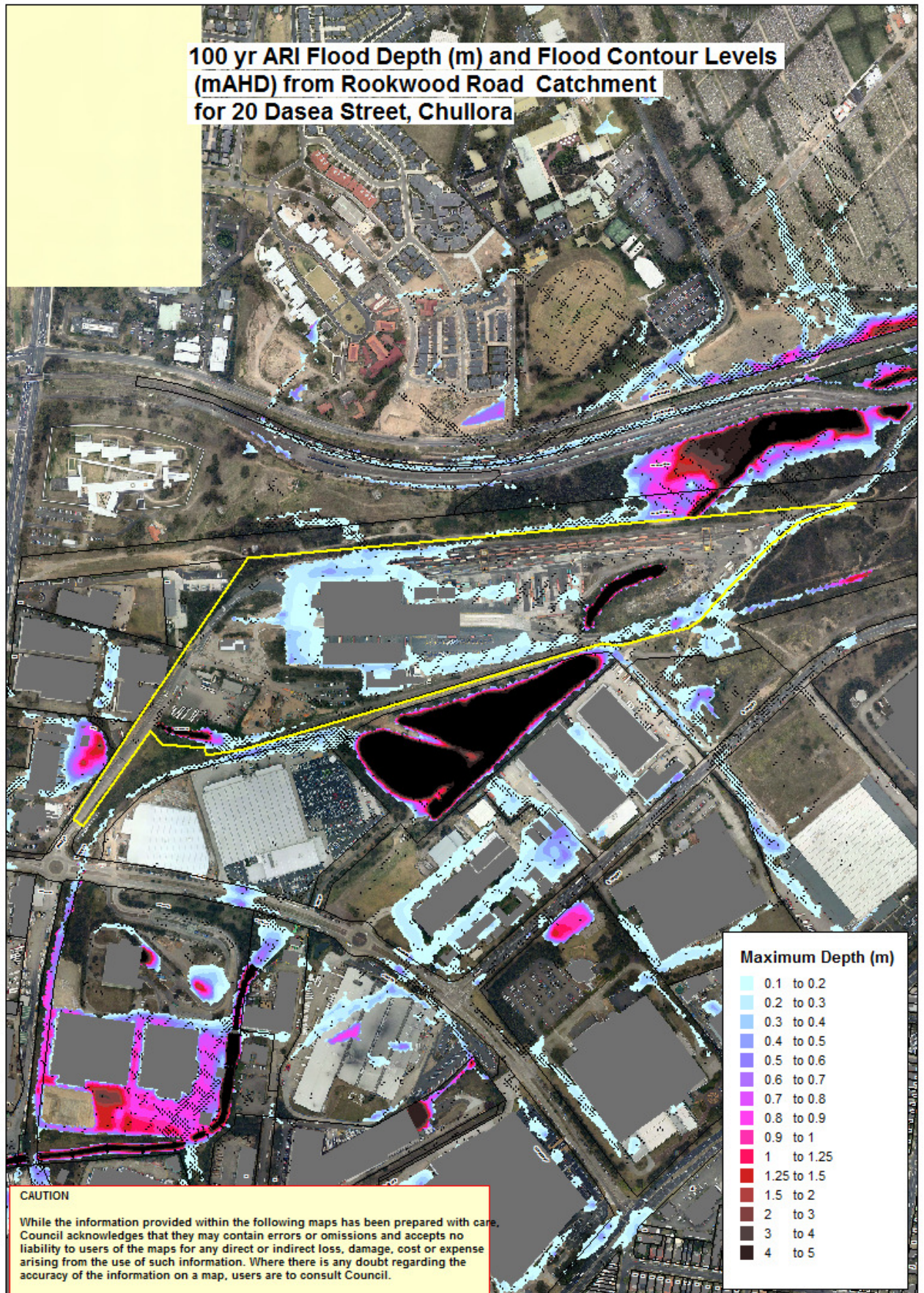
*** Bankstown Council's *Development Engineering Standards* and *Bankstown's Development Control Plan 2015* is available from Council's Customer Service Centre.

Pushpa Goonetilleke
ENGINEER

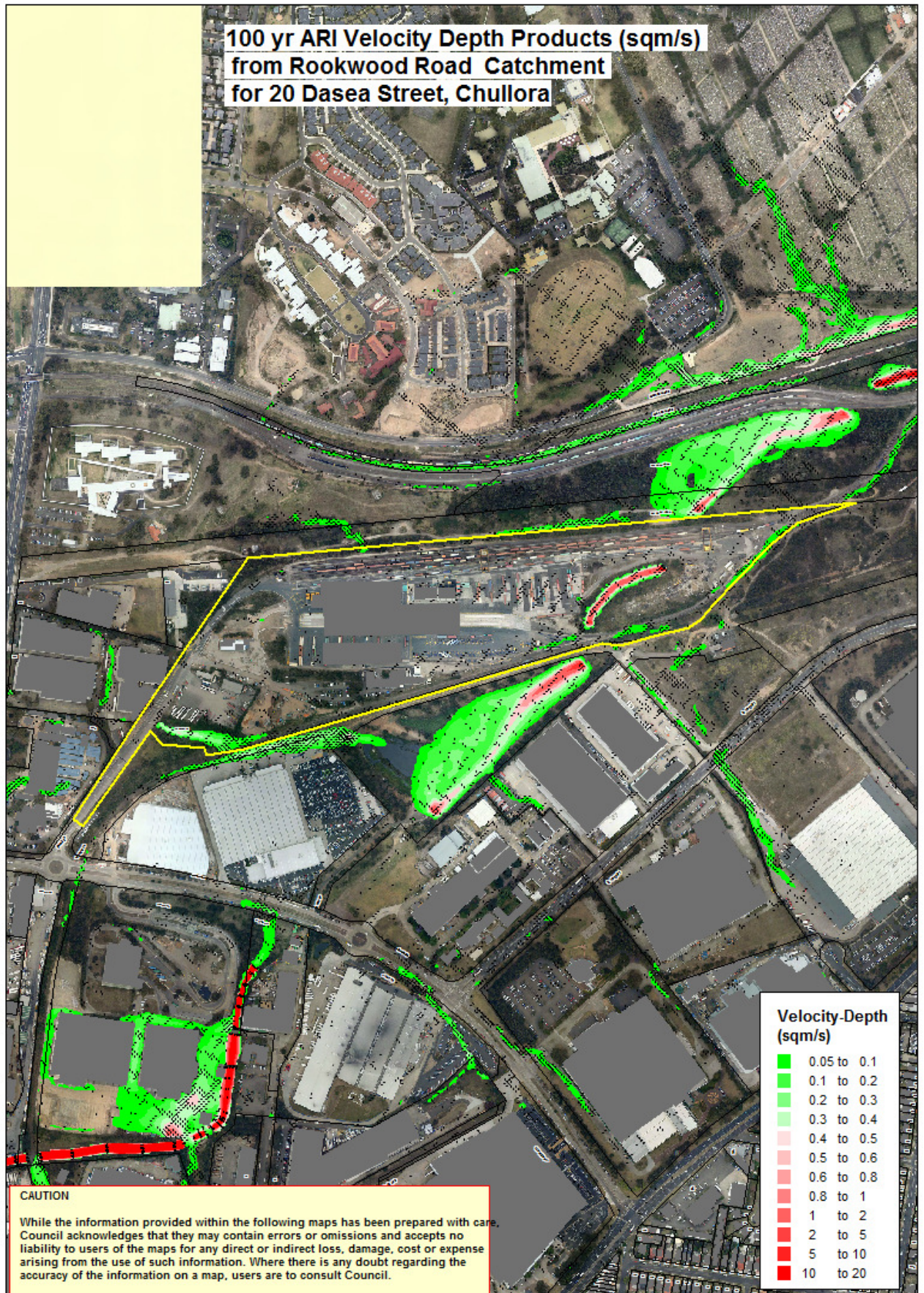
100 Year ARI Flood Extent and Flood Contour Levels (mAHD) from Rookwood Road Catchment for 20 Dasea Street, Chullora



**100 yr ARI Flood Depth (m) and Flood Contour Levels
(mAHD) from Rookwood Road Catchment
for 20 Dasea Street, Chullora**



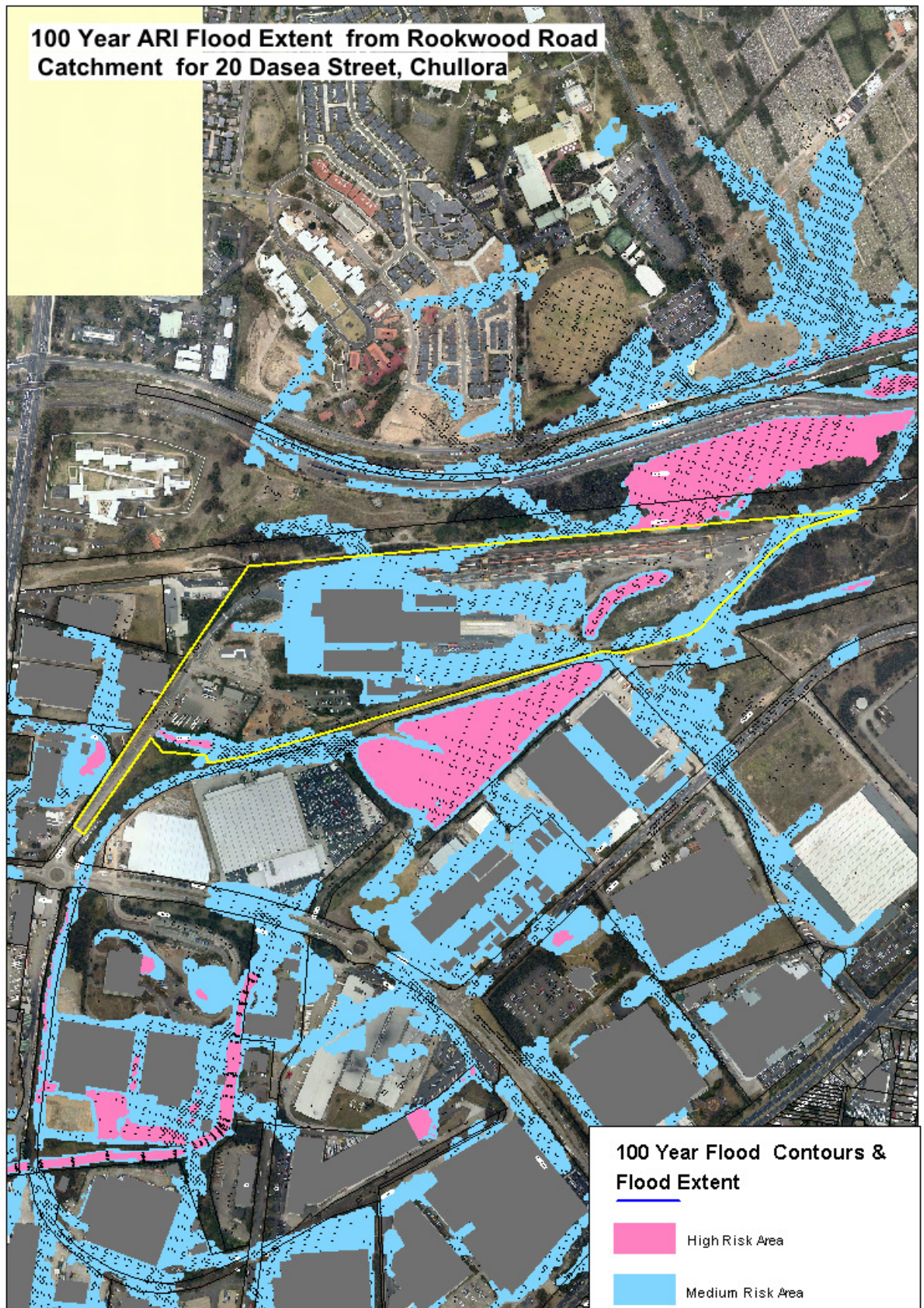
**100 yr ARI Velocity Depth Products (sqm/s)
from Rookwood Road Catchment
for 20 Dasea Street, Chullora**



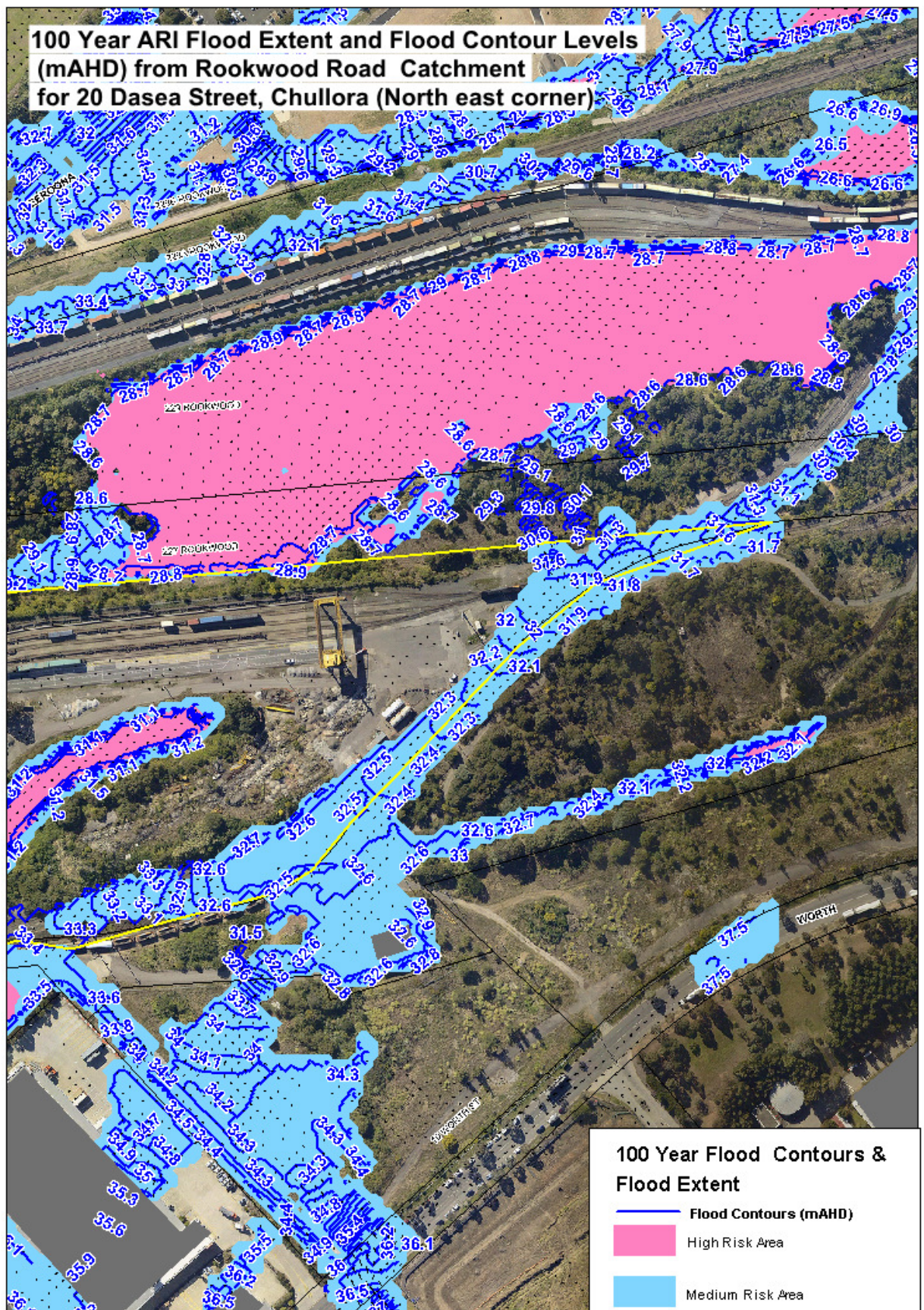
CAUTION

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.

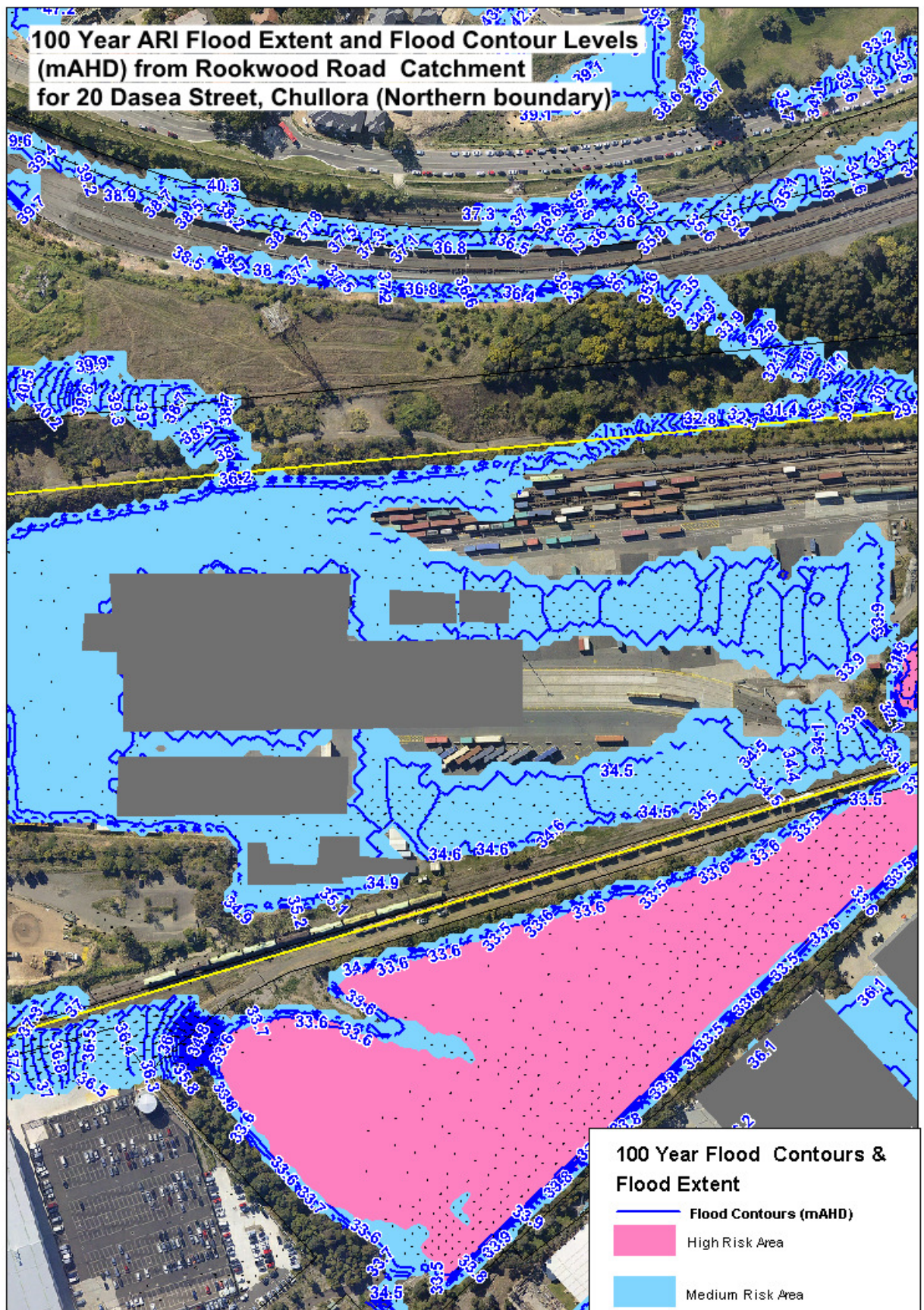
**100 Year ARI Flood Extent from Rookwood Road
Catchment for 20 Dasea Street, Chullora**



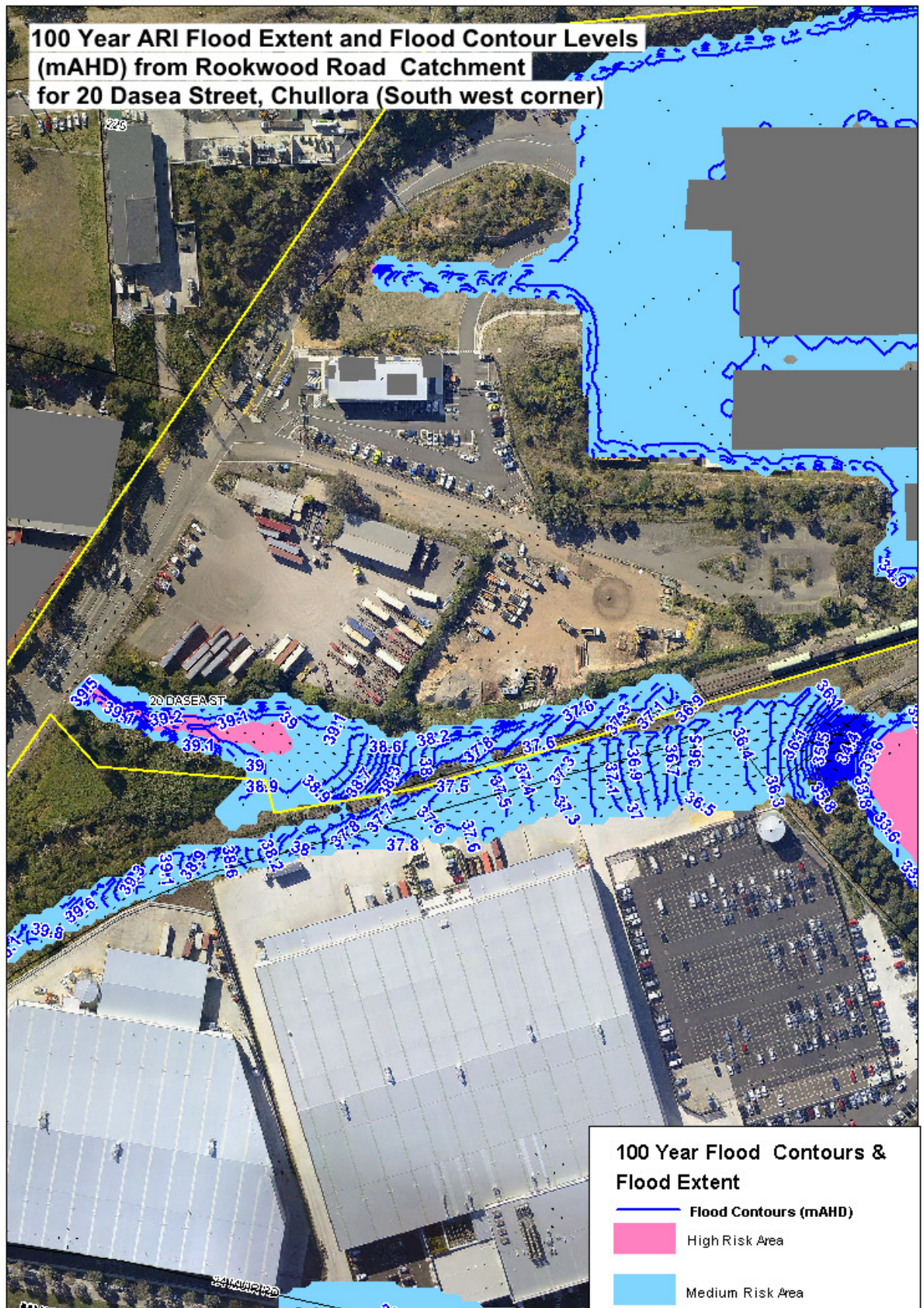
**100 Year ARI Flood Extent and Flood Contour Levels
(mAHD) from Rookwood Road Catchment
for 20 Dasea Street, Chullora (North east corner)**

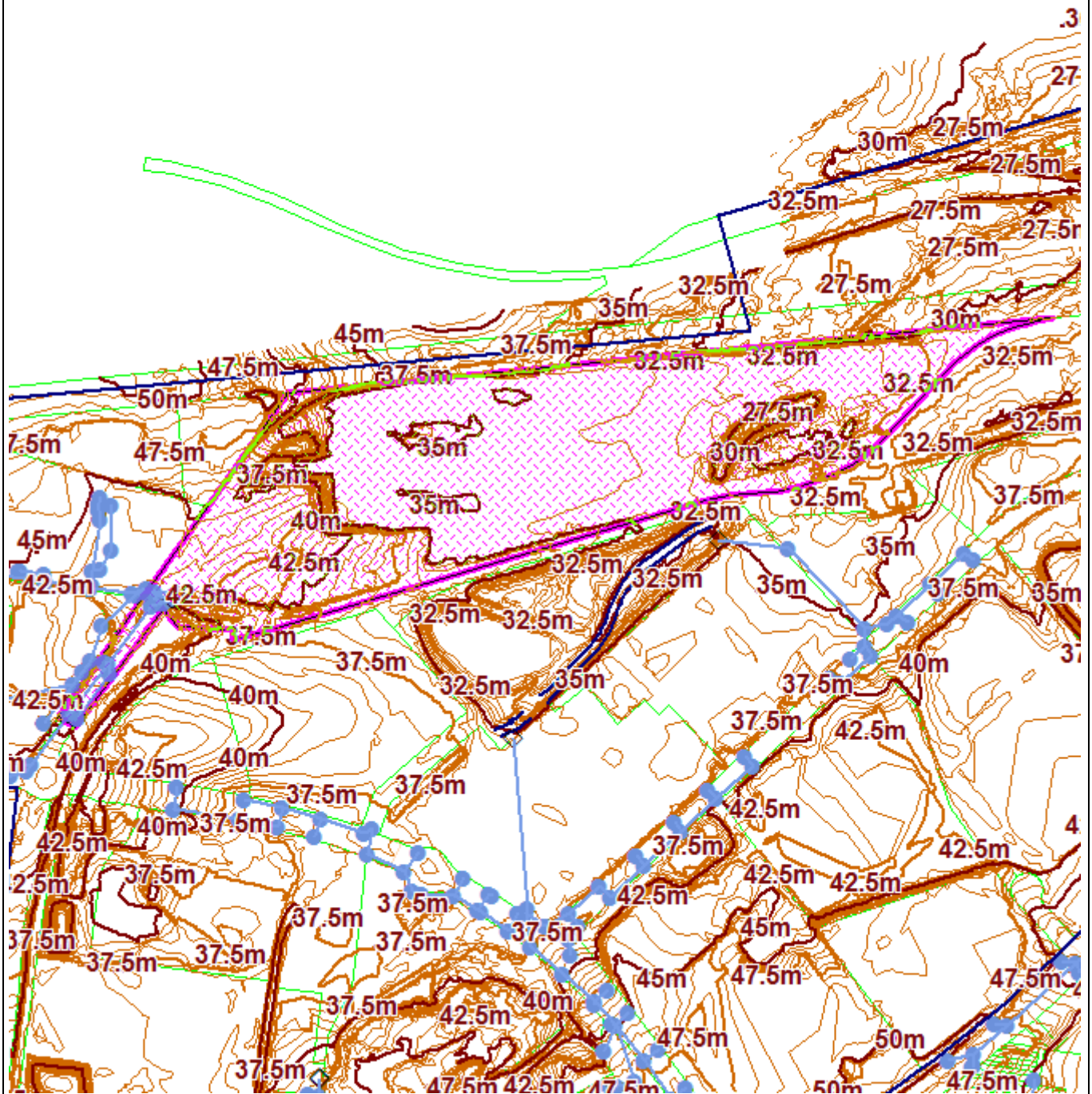
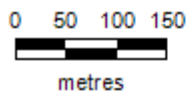


**100 Year ARI Flood Extent and Flood Contour Levels
(mAHD) from Rookwood Road Catchment
for 20 Dasea Street, Chullora (Northern boundary)**



**100 Year ARI Flood Extent and Flood Contour Levels
(mAHD) from Rookwood Road Catchment
for 20 Dasea Street, Chullora (South west corner)**





1:7,433
13 March 2020

20 Dasea Street. Chullora

GIS Map

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1:7,433
13 March 2020





















20 Dasea Street. Chullora

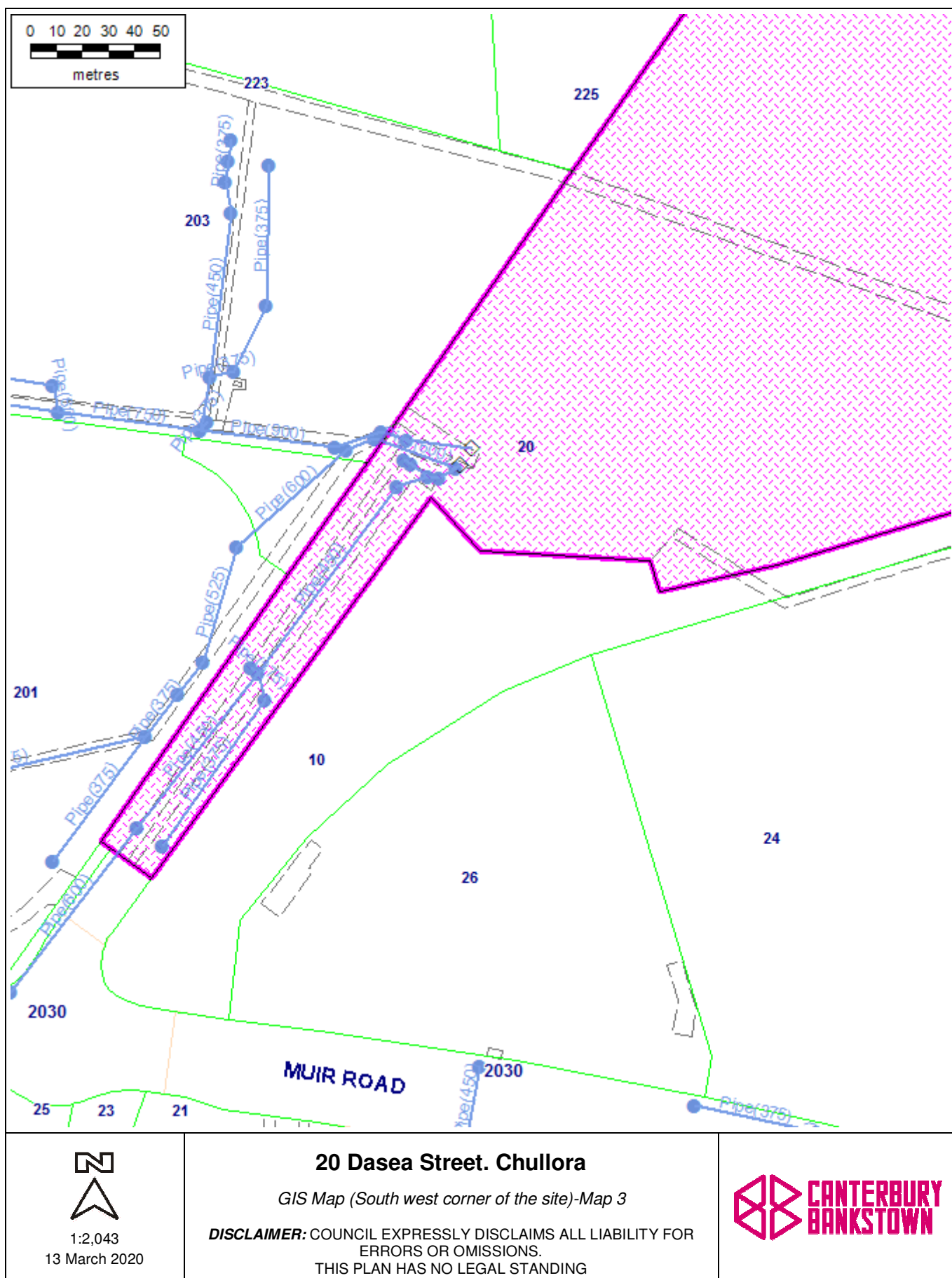
Aerial Map

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Legend

	Suburb
	Drainage Conduits
	Drainage Devices
	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
	Jetty
	Road Boundaries
	Aerial Photo 14052019
	Road Names
	Airport Internal Road
	Water Boundary
	Railway
	Airport Taxiway





1:8,170
13 March 2020

20 Dasea Street. Chullora

Aerial Map

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