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CITY OF CANTERBURY BANKSTOWN

To: MJH Group
18 Honeysuckle Drv
NEWCASTLE NSW 2300

STORMWATER SYSTEM REPORT 48 Hendy Avenue, PANANIA NSW 2213

Date: 18-May-2021
Ref: WP-SIA-968/2021
Development type: **Detached Dwelling (single house)**

NO

FLOOD/OVERLAND FLOW STUDY REQUIRED

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

- Overland flowpath for excess stormwater runoff from the upstream catchment to the 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 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 22.7 m AHD.**

For this development, a flood /overland flow study to determine the 100 year ARI* water surface level is not necessary.

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**.**

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.

Habitable floor levels are to be at least 500mm above the 100 year ARI* flood level at the site adjacent to the proposed building.

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****.

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.

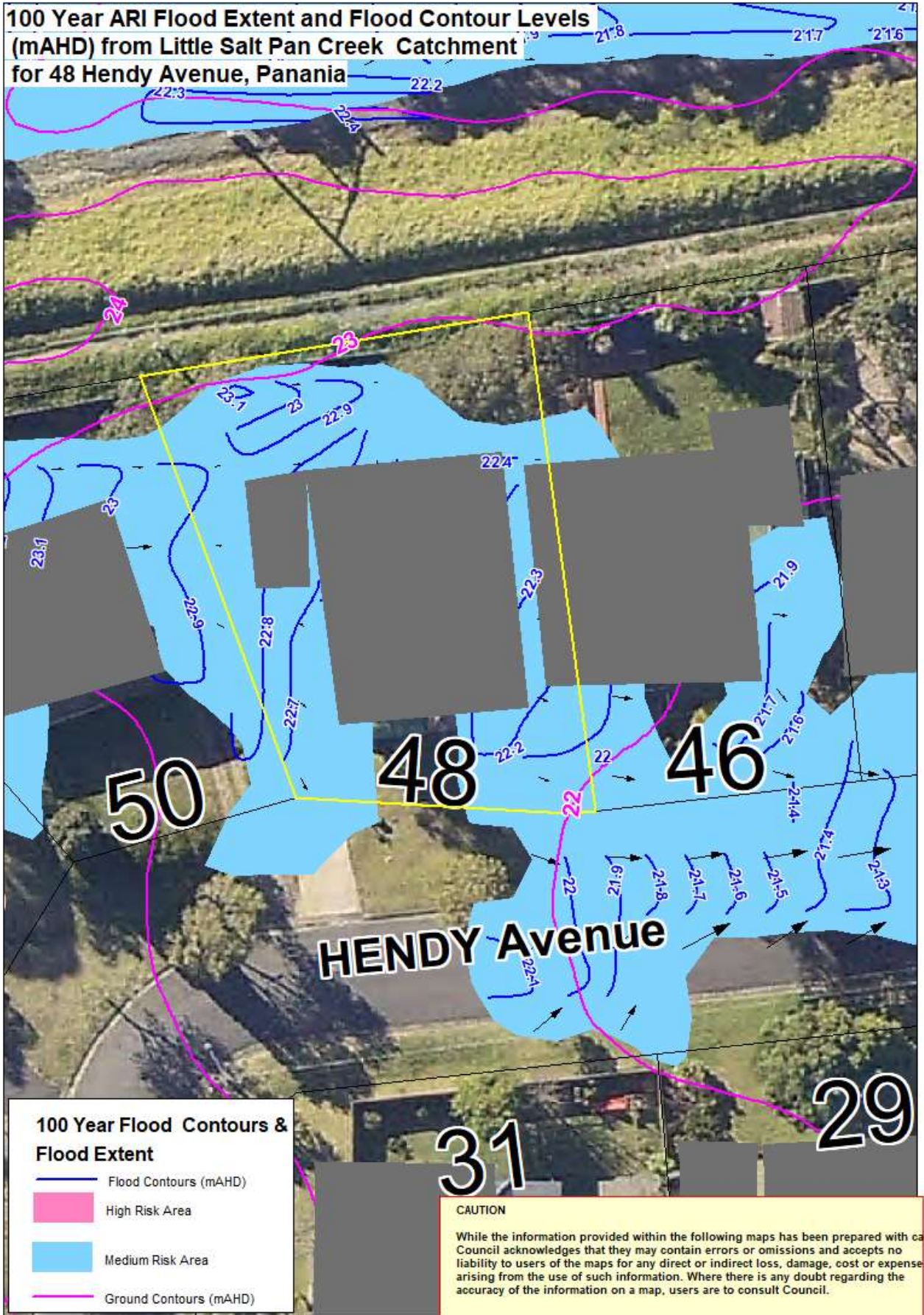
* Average Recurrence Interval

** Australian Height Datum

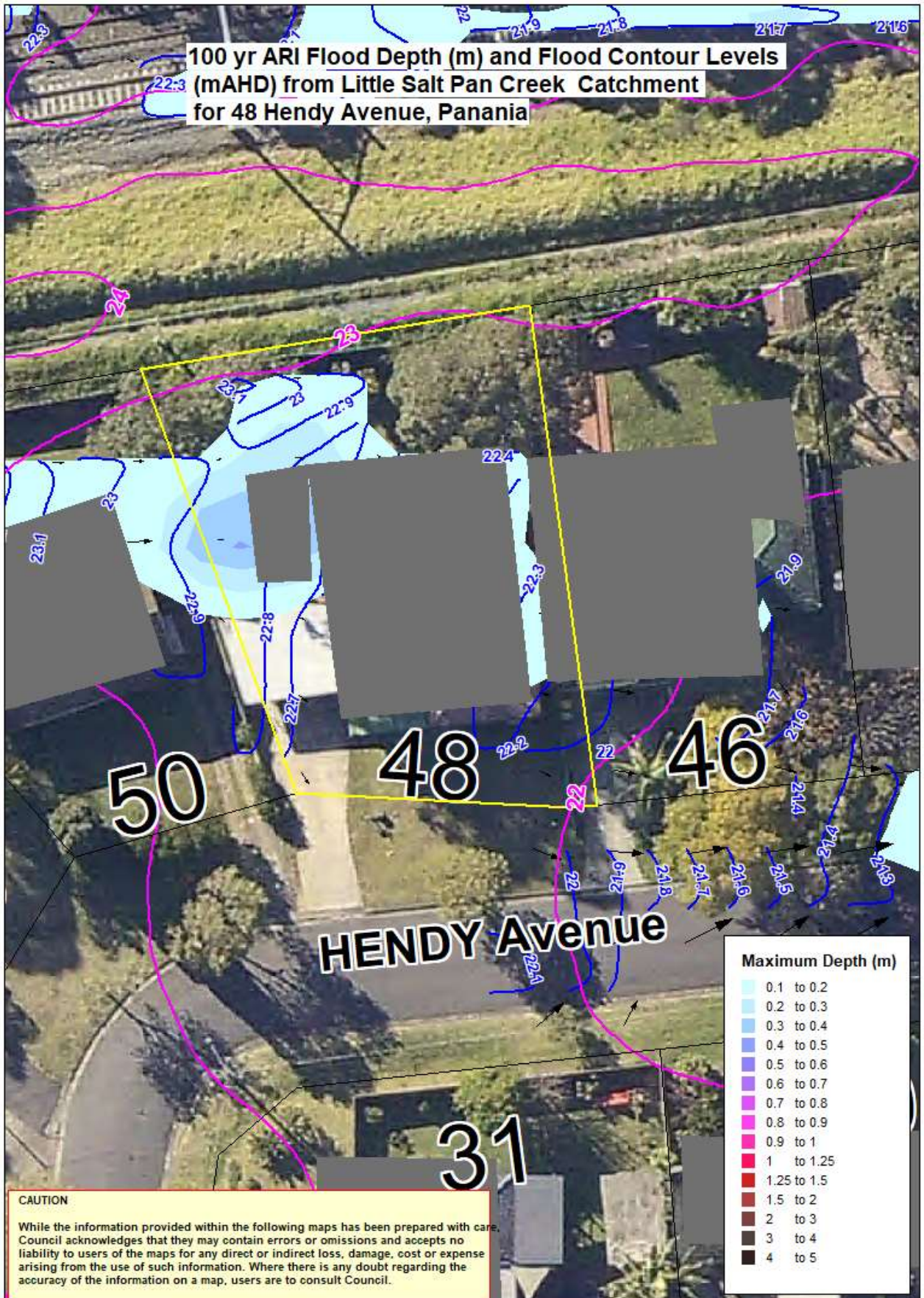
*** Bankstown Council's *Development Engineering Standards* and *Bankstown's Development Control Plan 2015* is available from Council's Customer Service Centre.

Pushpa Goonetilleke
ENGINEER

100 Year ARI Flood Extent and Flood Contour Levels (mAHD) from Little Salt Pan Creek Catchment for 48 Hendy Avenue, Panania



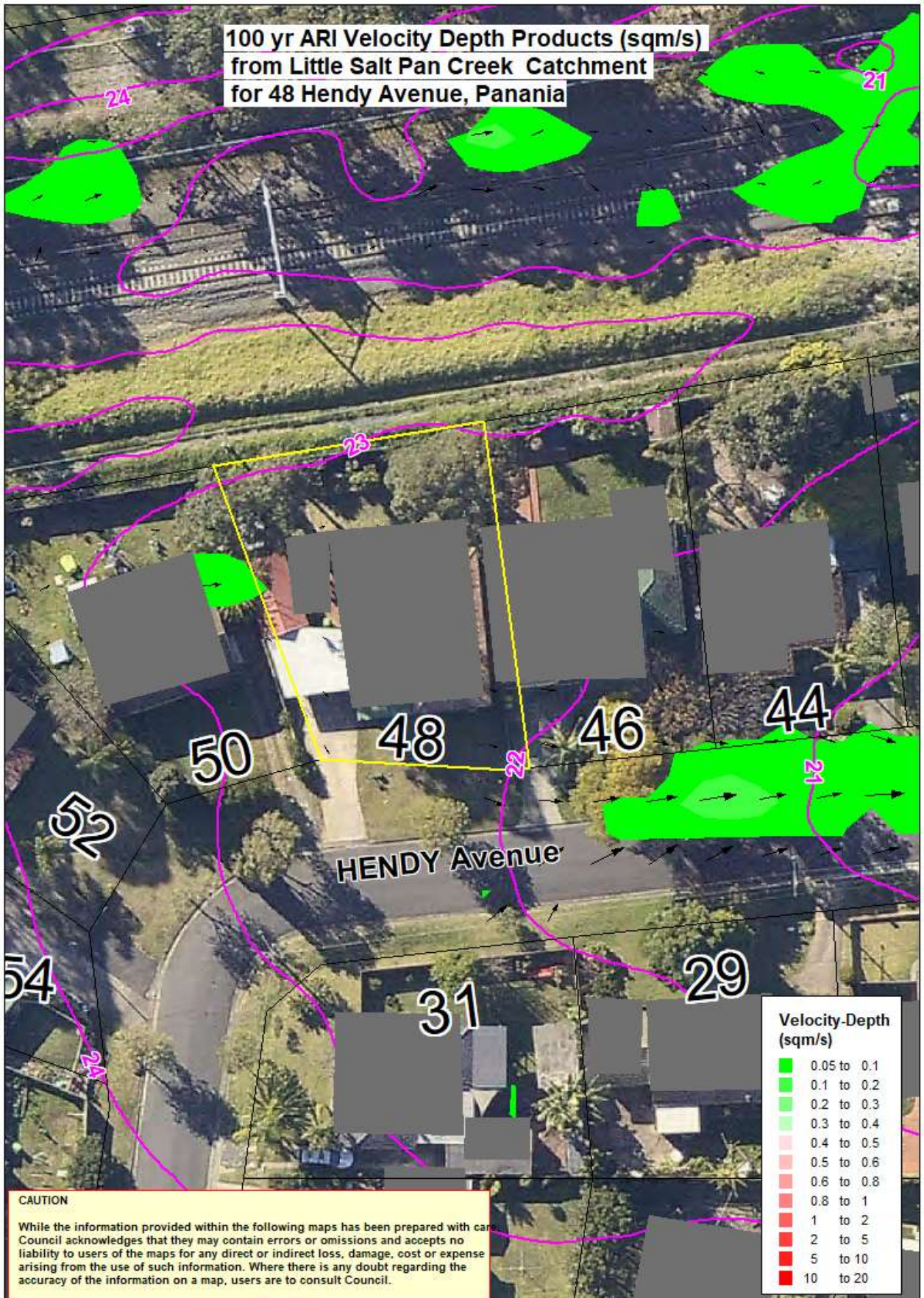
100 yr ARI Flood Depth (m) and Flood Contour Levels (mAHD) from Little Salt Pan Creek Catchment for 48 Hendy Avenue, Panania



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.

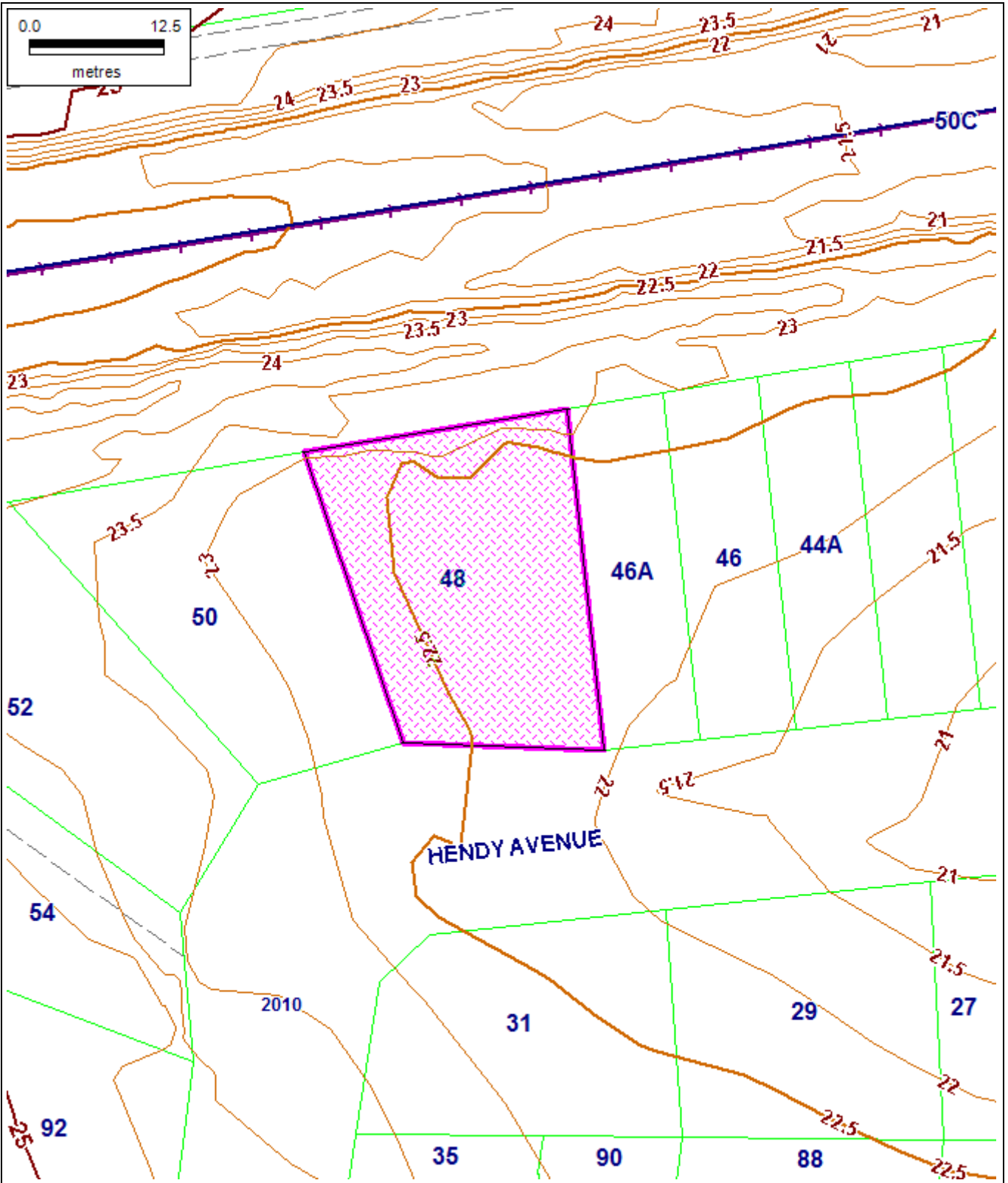
**100 yr ARI Velocity Depth Products (sqm/s)
from Little Salt Pan Creek Catchment
for 48 Hendy Avenue, Panania**



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| Velocity-Depth (sqm/s) | |
|------------------------|------------|
| 0.05 to 0.1 | 0.1 to 0.2 |
| 0.2 to 0.3 | 0.3 to 0.4 |
| 0.4 to 0.5 | 0.5 to 0.6 |
| 0.6 to 0.8 | 0.8 to 1 |
| 1 to 2 | 2 to 5 |
| 5 to 10 | 10 to 20 |



1:511.3
18 May 2021

48 Hendy Avenue, Panania

GIS Map

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1:511.3
18 May 2021























48 Hendy Avenue, Panania

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 |
|  | Parcel Vinculum |
|  | Jetty |
|  | Easements |
|  | Road Boundaries |
|  | Aerial Photo 14052019 |
|  | Road Names |
|  | Airport Internal Road |
|  | Water Boundary |
|  | Railway |
|  | Airport Taxiway |