



	SECTIO	CATCHMENT AREA	FLOWRATE	MAX DEPTH	VELOCITY	DEPTH x
	N	HA	m3/s	m	m/s	VELOCITY
CATCHMENT A	1	3.1	0.6	0.137	0.77	0.105
	2	6.2	1.1	0.158	0.97	0.153
	3	2.9	0.6	0.131	0.82	0.107
CATCHMENT B	1	5.9	0.9	0.167	0.81	0.135
	2	2.3	0.3	0.116	0.59	0.068
	3	1.1	0.2	0.091	0.61	0.056
	4	12.5	1.5	0.216	0.79	0.171
	5	4.2	0.6	0.121	0.912	0.110
CATCHMENT C	1	2.3	0.5	0.125	0.81	0.101
CATCHMENT D	1	2.8	0.3	0.116	0.59	0.068
	2	2.7	0.3	0.109	0.59	0.064

- Notes
1. All works to be in accordance with Waikato Regional Infrastructure Technical Specifications.
  2. Co-ordinates in terms of NZ Geodetic Datum Mount Eden 2000.
  3. Levels in terms of the New Zealand Vertical Datum 2016.
  4. It is the contractors responsibility to locate all services that may be affected by his operations.
  5. Approved hardfill is to be used in backfilling of all stormwater lines within the road reserve.
  6. All catchpit leads shall be laid at 1% unless otherwise specified.
  7. All lines to be abandoned shall be sealed at each end. Timing of all sealing to be coordinated with council staff.

Legend

- EX BOUNDARY
- PROP LOT BOUNDARY
- PROP SWCP SINGLE SOAKAGE TRENCH - 1.2m WIDE
- SOAKAGE TRENCH - 2m WIDE

B	FAST TRACK APP	RK	05/2025
A	FAST TRACK APP	RK	04/2025
Rev	Description	By	Date
Survey	MAVEN		05/2024
Design	MKS		12/2024
Drawn	RJM		12/2024
Checked	DJM		05/2025

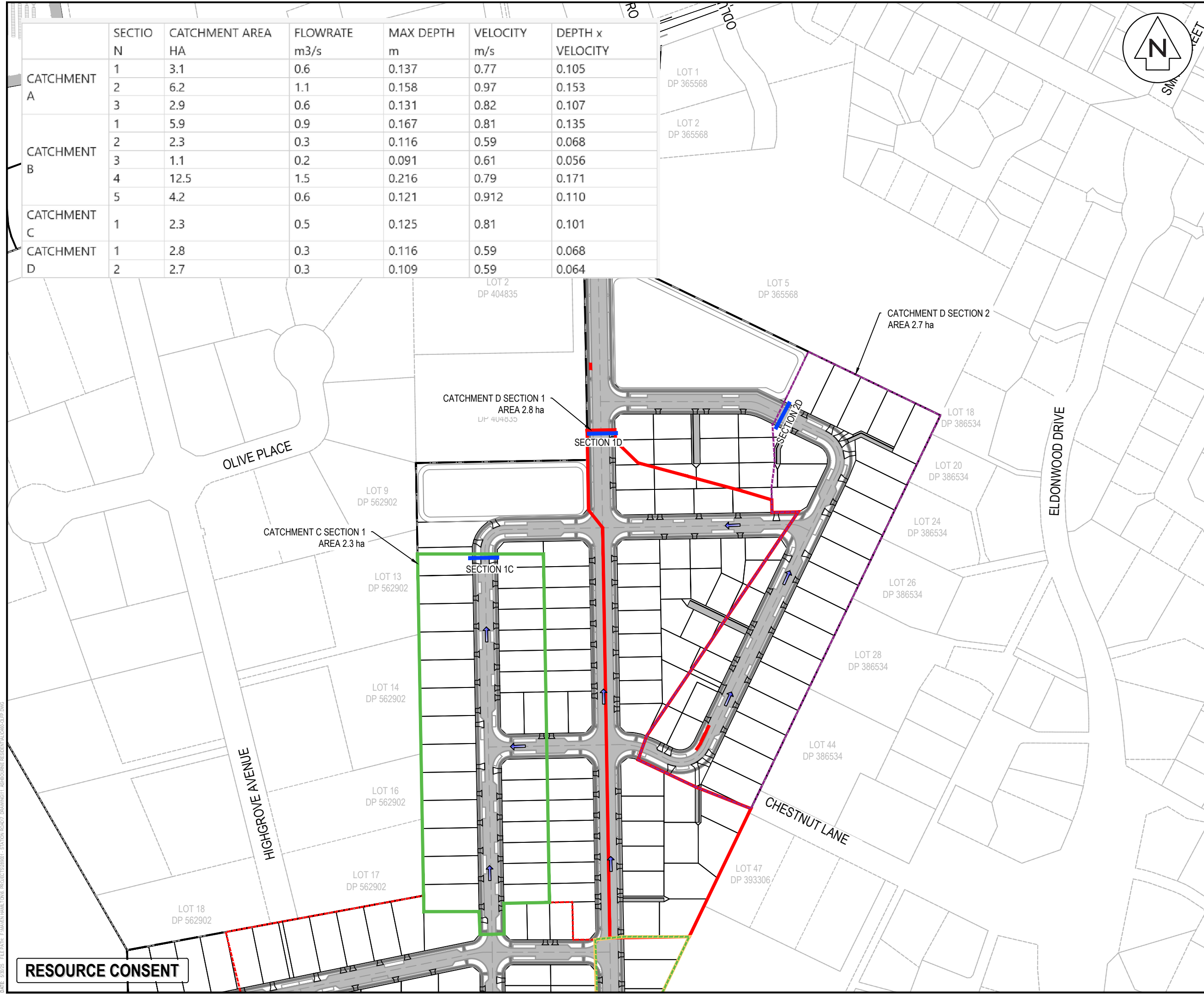
**M** **Maven Associates**  
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info@maven.co.nz  
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5 Owens Road, Epsom  
Auckland 1023

Project  
**ASHBOURNE  
RESIDENTIAL  
FOR  
MATAMATA  
DEVELOPMENTS LTD**

Title  
**PROPOSED  
OVERLAND FLOWPATH  
CATCHMENT PLAN**

Project no.	289001		
Scale	1:3000 @ A3		
Cad file	C460-OLFP.DWG		
Drawing no.	C460-1	Rev	<b>B</b>

RESOURCE CONSENT



	SECTION	CATCHMENT AREA	FLOWRATE	MAX DEPTH	VELOCITY	DEPTH x VELOCITY
	N	HA	m3/s	m	m/s	
CATCHMENT A	1	3.1	0.6	0.137	0.77	0.105
	2	6.2	1.1	0.158	0.97	0.153
	3	2.9	0.6	0.131	0.82	0.107
CATCHMENT B	1	5.9	0.9	0.167	0.81	0.135
	2	2.3	0.3	0.116	0.59	0.068
	3	1.1	0.2	0.091	0.61	0.056
	4	12.5	1.5	0.216	0.79	0.171
CATCHMENT C	5	4.2	0.6	0.121	0.912	0.110
	1	2.3	0.5	0.125	0.81	0.101
CATCHMENT D	1	2.8	0.3	0.116	0.59	0.068
	2	2.7	0.3	0.109	0.59	0.064

Notes

1. All works to be in accordance with Waikato Regional Infrastructure Technical Specifications.

2. Co-ordinates in terms of NZ Geodetic Datum Mount Eden 2000.

3. Levels in terms of the New Zealand Vertical Datum 2016.

4. It is the contractors responsibility to locate all services that may be affected by his operations.

5. Approved hardfill is to be used in backfilling of all stormwater lines within the road reserve.

6. All catchpit leads shall be laid at 1% unless otherwise specified.

7. All lines to be abandoned shall be sealed at each end. Timing of all sealing to be coordinated with council staff.

Legend

EX BOUNDARY

SITE BOUNDARY

B	FAST TRACK APP	RK	05/2025
A	FAST TRACK APP	RK	04/2025
Rev	Description	By	Date
		By	Date
Survey	MAVEN		05/2024
Design	RJM		12/2024
Drawn	NAK		12/2024
Checked	DJM		05/2025

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Project

ASHBOURNE RESIDENTIAL FOR MATAMATA DEVELOPMENTS LTD

Title

PROPOSED OVERLAND FLOWPATH CATCHMENT PLAN

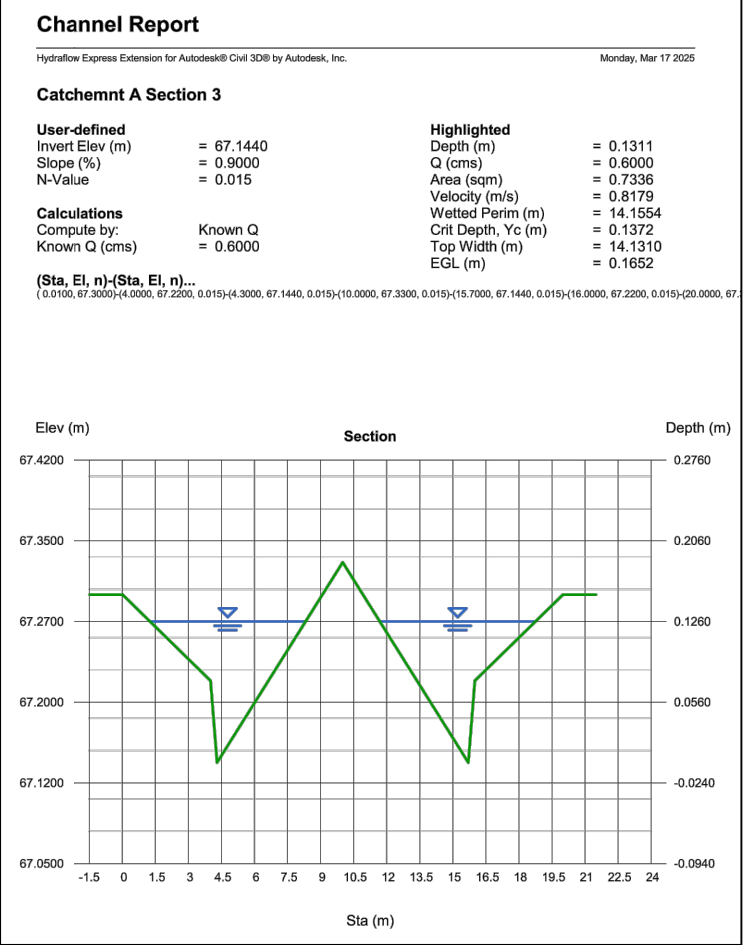
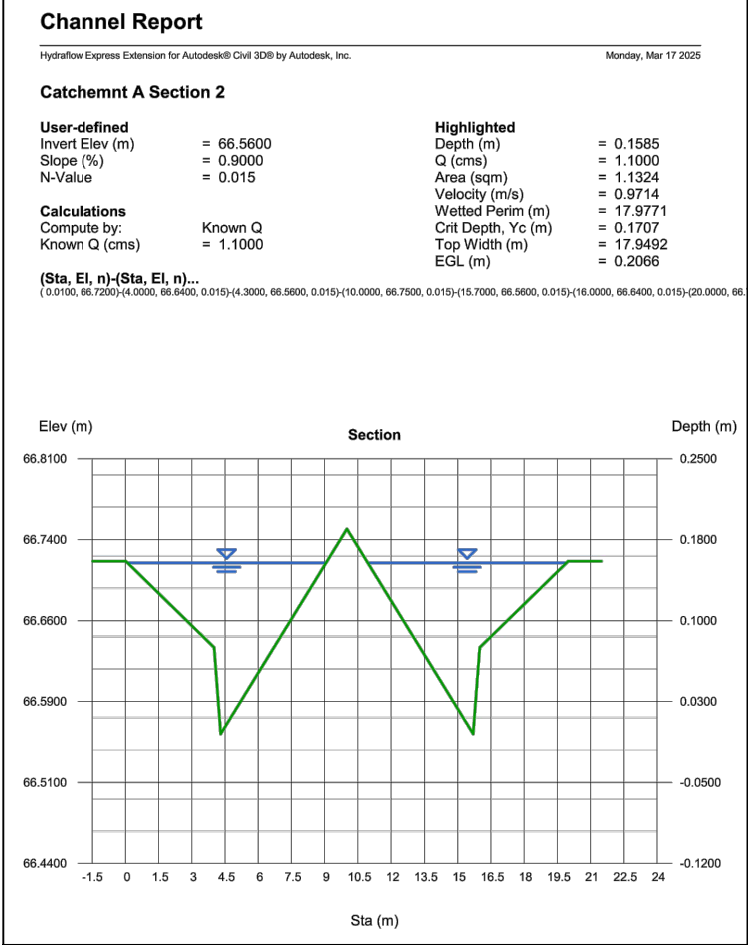
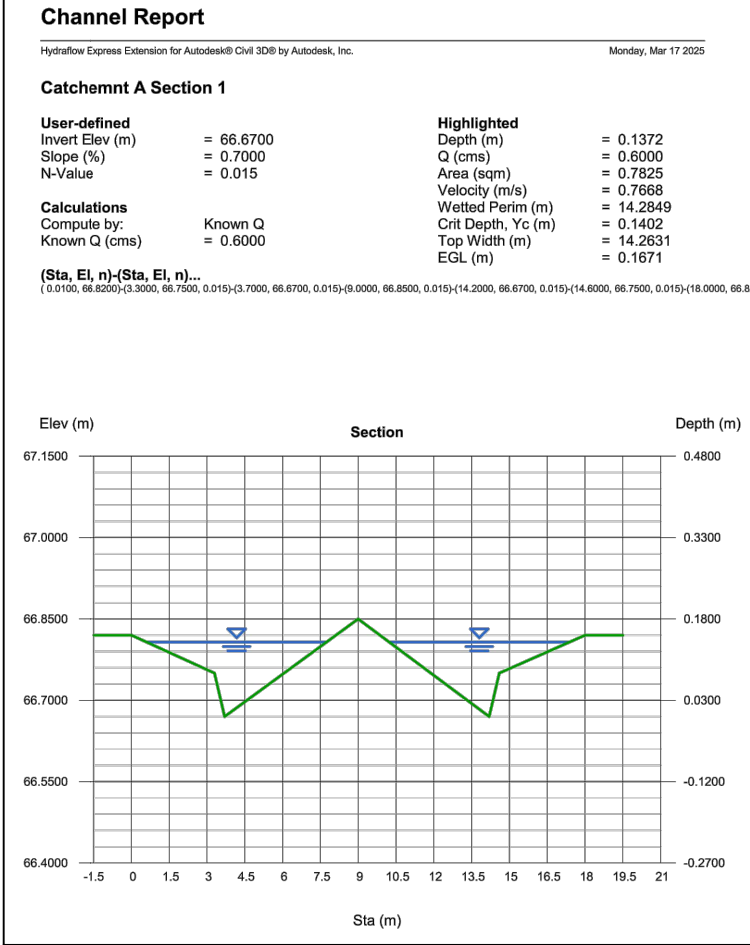
Project no.	289001
Scale	1:2500 @ A3
Cad file	C460-OLFP.DWG
Drawing no.	C460-2
Rev	B

RESOURCE CONSENT



DATE: 5/20/25 FILEPATH: F:\MAVEN\HAMITON6 PROJECTS\88001 - STATION ROAD\ DRAWING\01 - ASHBOURNE RESIDENTIAL\C460-QLFP.DWG

RESOURCE CONSENT



B	FAST TRACK APP	RK	05/2025
A	FAST TRACK APP	RK	04/2025
Rev	Description	By	Date
	By	Date	
Survey	MAVEN	05/2024	
Design	RJM	12/2024	
Drawn	NAK	12/2024	
Checked	DJM	05/2025	
<div><div><div>M</div><div>MAVEN</div></div><div><div>Maven Associates</div><div>09 571 0050</div><div>info@maven.co.nz</div><div>www.maven.co.nz</div><div>5 Owens Road, Epsom</div><div>Auckland 1023</div></div></div>			
Project			
ASHBOURNE RESIDENTIAL FOR MATAMATA DEVELOPMENTS LTD			
Title			
PROPOSED OVERLAND FLOWPATH SECTIONS 1 OF 3			
Project no.	289001		
Scale	1:2500 @ A3		
Cad file	C460-OLFP.DWG		
Drawing no.	C460-3	Rev	B

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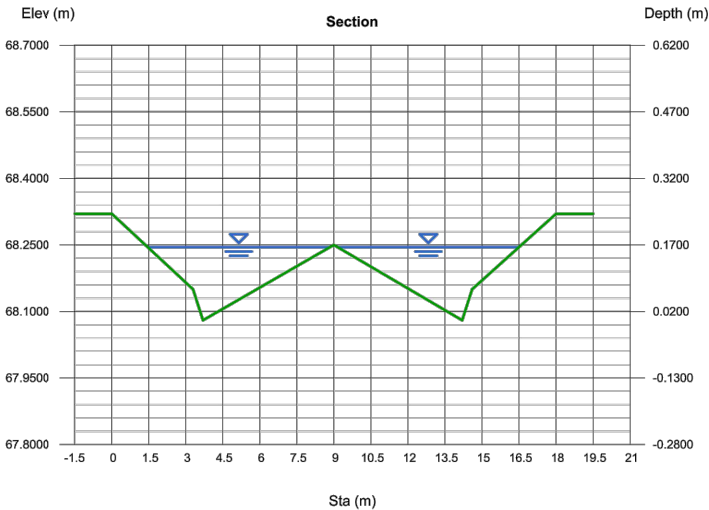
Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Monday, Mar 17 2025

Catchemnt B Section 1

<b>User-defined</b>		<b>Highlighted</b>	
Invert Elev (m)	= 68.0800	Depth (m)	= 0.1646
Slope (%)	= 0.5000	Q (cms)	= 0.9000
N-Value	= 0.015	Area (sqm)	= 1.1164
<b>Calculations</b>		Velocity (m/s)	= 0.8062
Compute by:	Known Q	Wetted Perim (m)	= 14.7110
Known Q (cms)	= 0.9000	Crit Depth, Yc (m)	= 0.1615
		Top Width (m)	= 14.6887
		EGL (m)	= 0.1977

(Sta, El, n)-(Sta, El, n)...  
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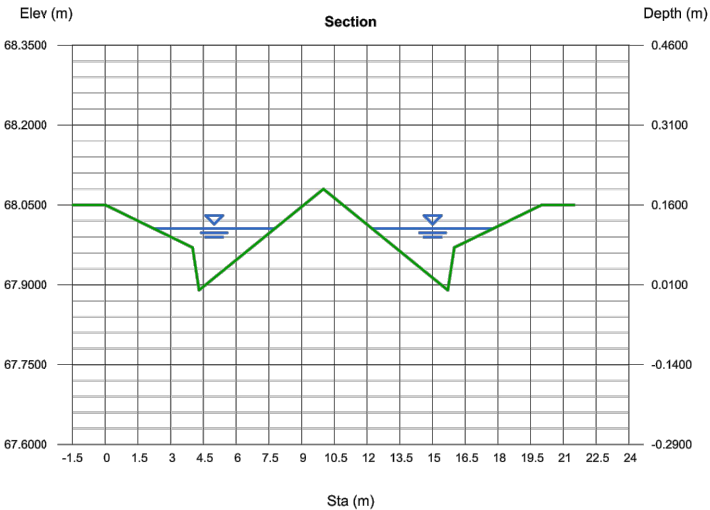
Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Monday, Mar 17 2025

Catchemnt B Section 2

<b>User-defined</b>		<b>Highlighted</b>	
Invert Elev (m)	= 67.8900	Depth (m)	= 0.1158
Slope (%)	= 0.5000	Q (cms)	= 0.3000
N-Value	= 0.015	Area (sqm)	= 0.5120
<b>Calculations</b>		Velocity (m/s)	= 0.5859
Compute by:	Known Q	Wetted Perim (m)	= 11.1529
Known Q (cms)	= 0.3000	Crit Depth, Yc (m)	= 0.1128
		Top Width (m)	= 11.1273
		EGL (m)	= 0.1333

(Sta, El, n)-(Sta, El, n)...  
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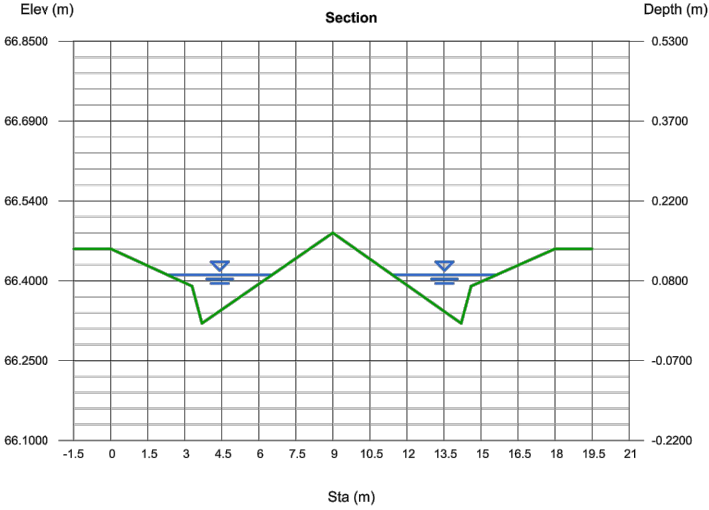
Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Monday, Mar 17 2025

Catchemnt B Section 3

<b>User-defined</b>		<b>Highlighted</b>	
Invert Elev (m)	= 66.3200	Depth (m)	= 0.0914
Slope (%)	= 0.7000	Q (cms)	= 0.200
N-Value	= 0.015	Area (sqm)	= 0.3253
<b>Calculations</b>		Velocity (m/s)	= 0.6147
Compute by:	Known Q	Wetted Perim (m)	= 8.5125
Known Q (cms)	= 0.2000	Crit Depth, Yc (m)	= 0.0945
		Top Width (m)	= 8.4970
		EGL (m)	= 0.1107

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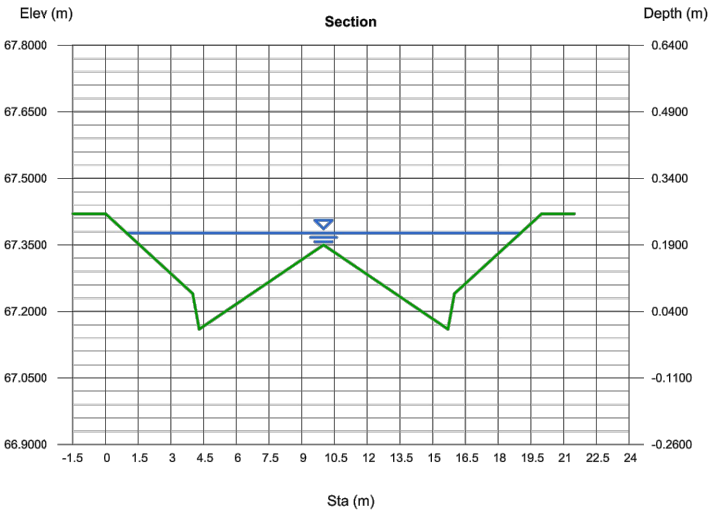
Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Monday, Mar 17 2025

Catchemnt D Section 4

<b>User-defined</b>		<b>Highlighted</b>	
Invert Elev (m)	= 67.1600	Depth (m)	= 0.2164
Slope (%)	= 0.3000	Q (cms)	= 1.5000
N-Value	= 0.015	Area (sqm)	= 1.9030
<b>Calculations</b>		Velocity (m/s)	= 0.7882
Compute by:	Known Q	Wetted Perim (m)	= 18.0888
Known Q (cms)	= 1.5000	Crit Depth, Yc (m)	= 0.2012
		Top Width (m)	= 18.0554
		EGL (m)	= 0.2481

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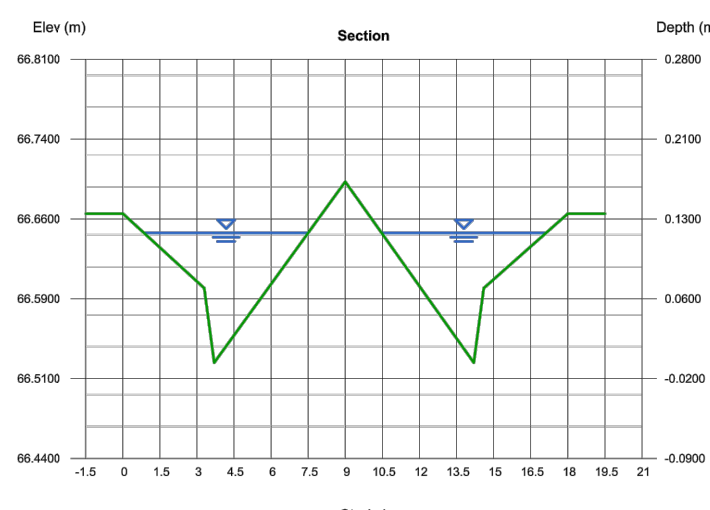
Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Monday, Mar 17 2025

Catchemnt B Section 5

<b>User-defined</b>		<b>Highlighted</b>	
Invert Elev (m)	= 66.5300	Depth (m)	= 0.1219
Slope (%)	= 1.1000	Q (cms)	= 0.6000
N-Value	= 0.015	Area (sqm)	= 0.6574
<b>Calculations</b>		Velocity (m/s)	= 0.9127
Compute by:	Known Q	Wetted Perim (m)	= 13.3098
Known Q (cms)	= 0.6000	Crit Depth, Yc (m)	= 0.1341
		Top Width (m)	= 13.2927
		EGL (m)	= 0.1644

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RESOURCE CONSENT

B	FAST TRACK APP	RK	05/2025
A	FAST TRACK APP	RK	04/2025
Rev	Description	By	Date
	By	Date	
Survey	MAVEN	05/2024	
Design	RJM	12/2024	
Drawn	NAK	12/2024	
Checked	DJM	05/2025	

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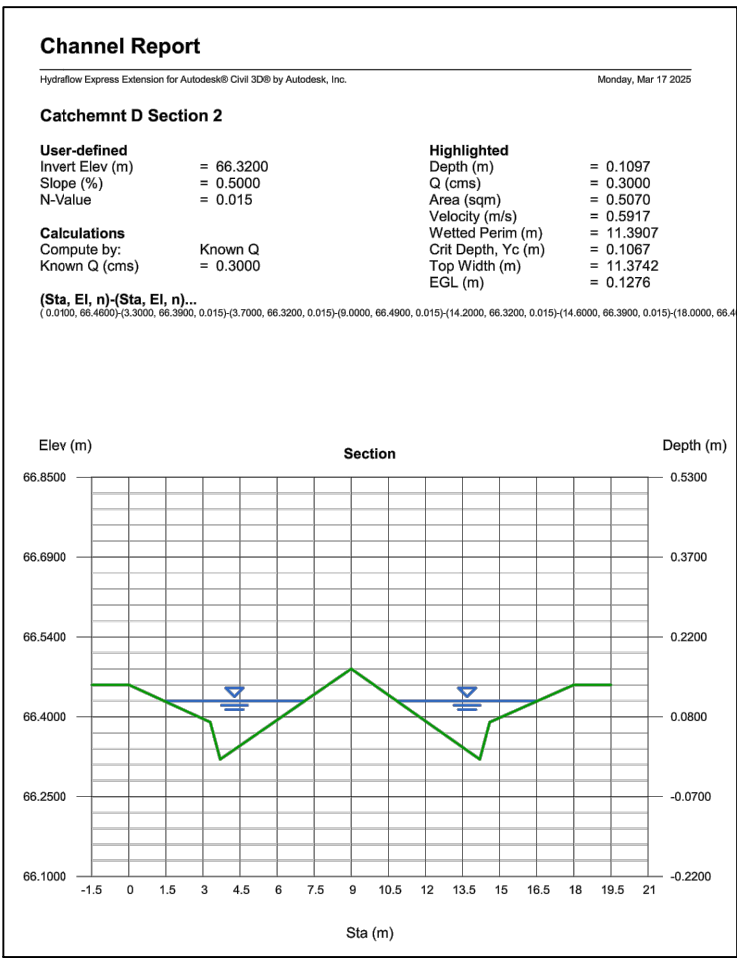
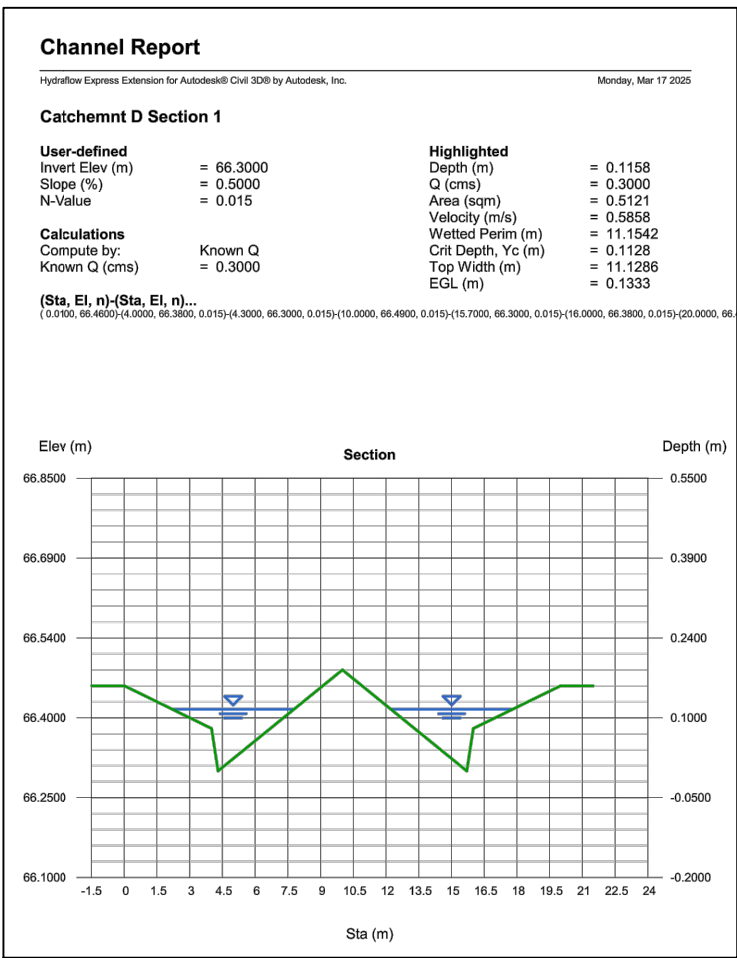
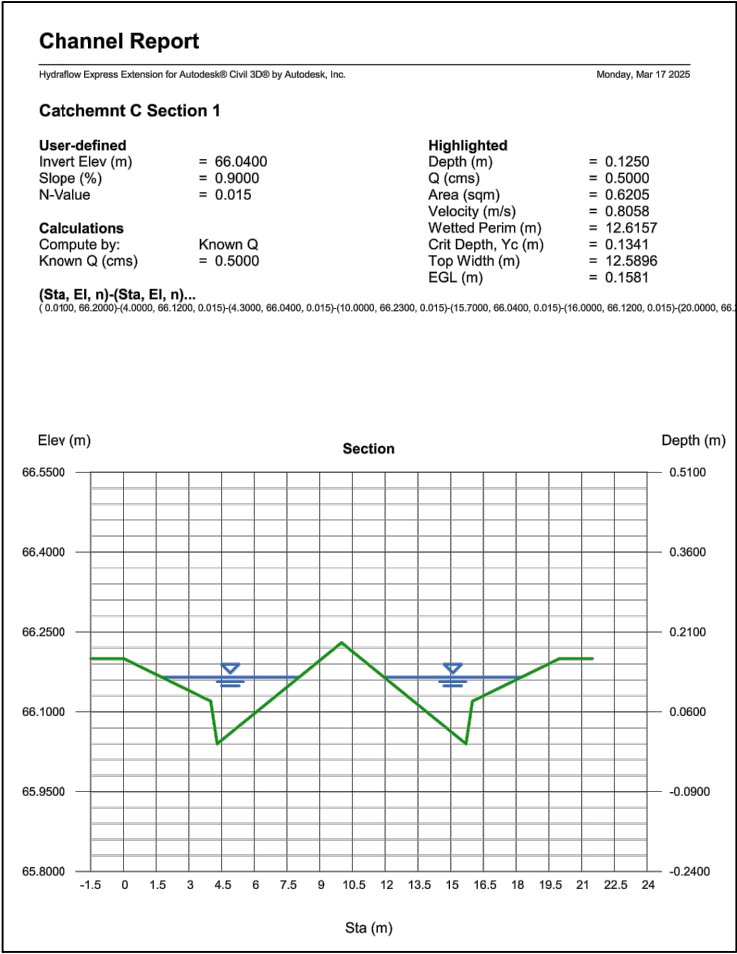
Project  
**ASHBOURNE  
RESIDENTIAL  
FOR  
MATAMATA  
DEVELOPMENTS LTD**

Title  
**PROPOSED  
OVERLAND FLOWPATH  
SECTIONS 2 OF 3**

Project no.	289001		
Scale	1:2500 @ A3		
Cad file	C460-QLFP.DWG		
Drawing no.	C460-4	Rev	<b>B</b>

DATE: 5/20/25 FILEPATH: F:\Maven\Hamilton\6. PROJECTS\289001 - STATION ROAD\ DRAWING\11. ASHBORNE RESIDENTIAL\C460-QLFP.DWG

RESOURCE CONSENT



B	FAST TRACK APP	RK	05/2025
A	FAST TRACK APP	RK	04/2025
Rev	Description	By	Date
	By	Date	
Survey	MAVEN	05/2024	
Design	RJM	12/2024	
Drawn	NAK	12/2024	
Checked	DJM	05/2025	

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Project			
ASHBOURNE RESIDENTIAL FOR MATAMATA DEVELOPMENTS LTD			
Title			
PROPOSED OVERLAND FLOWPATH SECTIONS 3 OF 3			
Project no.	289001		
Scale	1:2500 @ A3		
Cad file	C460-QLFP.DWG		
Drawing no.	C460-5	Rev	B