

## DRAWING REGISTER - CIVIL

PROJECT VELOCITY

43-47 ALLENS ROAD, ALLENTON, ASHBURTON - AR112275

### DRAWING REGISTER AND TRANSMITTAL NOTICE

### ISSUE

Drawing No.	PROJECT VELOCITY	CURRENT REV	DAY MONTH YEAR	04 05 23					
AR112275-CV-001	COVER SHEET	A		A					
AR112275-CV-002	GENERAL CIVIL NOTES	A		A					
AR112275-CV-101	SITE PLAN								
AR112275-CV-111	SERVICES PLAN	A		A					
AR112275-CV-121	EXISTING SITE PLAN WITH EROSION & SEDIMENT CONTROL.	A		A					
AR112275-CV-131	EARTHWORKS PLAN	A		A					
AR112275-CV-501	EROSION & SEDIMENT CONTROL DETAILS	A		A					
AR112275-CV-505	PAVEMENT DETAILS								
AR112275-CV-506	KERB & CHANNEL DETAILS								
AR112275-CV-510	VEHICLE CROSSINGS DETAILS SHEET 1								
AR112275-CV-511	VEHICLE CROSSINGS DETAILS SHEET 2								
AR112275-CV-512	MISCELLANEOUS DETAILS								
AR112275-CV-515	3 WATERS DETAILS SHEET 1								
AR112275-CV-516	3 WATERS DETAILS SHEET 2								
AR112275-CV-517	3 WATERS DETAILS SHEET 3								
AR112275-CV-518	3 WATERS DETAILS SHEET 4								
AR112275-CV-519	3 WATERS DETAILS SHEET 5								

Count

6

6

## DISTRIBUTION

PROJECT VELOCITY

43-47 ALLENS ROAD, ALLENTON, ASHBURTON - AR112275

### DRAWING REGISTER AND TRANSMITTAL NOTICE

Resource Consent

### COMPANY

ASHBURTON DISTRICT COUNCIL

P

BUILDER

P

### KEY

PDF.....P

A1.....A1 Hardcopy

A3.....A3 Hardcopy

AA.....A1 and A3 Hardcopy

# HOUSING DELIVERY SYSTEM - MBU5



LOCALITY PLAN  
NTS

CIVIL

3160491

43-47 ALLENS ROAD  
ALLENTON  
ASHBURTON

COVER SHEET

MAY 2023

DRAWING LIST		
DRAWING NUMBER	DESCRIPTION	REV
AR112275-CV-001	COVER SHEET	A
AR112275-CV-002	GENERAL CIVIL NOTES	A
AR112275-CV-101	SITE PLAN	
AR112275-CV-111	SERVICES PLAN	A
AR112275-CV-112	WATER CROSSOVER INSTALLATION	
AR112275-CV-121	EXISTING SITE PLAN WITH EROSION & SEDIMENT CONTROL	A
AR112275-CV-131	EARTHWORKS PLAN	A
AR112275-CV-501	EROSION & SEDIMENT CONTROL DETAILS	A
AR112275-CV-505	PAVEMENT DETAILS	
AR112275-CV-506	KERB & CHANNEL DETAILS	
AR112275-CV-510	VEHICLE CROSSINGS DETAILS SHEET 1	
AR112275-CV-511	VEHICLE CROSSINGS DETAILS SHEET 2	
AR112275-CV-512	MISCELLANEOUS DETAILS	
AR112275-CV-515	3 WATERS DETAILS SHEET 1	
AR112275-CV-516	3 WATERS DETAILS SHEET 2	
AR112275-CV-517	3 WATERS DETAILS SHEET 3	
AR112275-CV-518	3 WATERS DETAILS SHEET 4	
AR112275-CV-519	3 WATERS DETAILS SHEET 5	



RESOURCE CONSENT  
NOT FOR CONSTRUCTION

Discipline <b>CIVIL</b>	Beca Project No. <b>3160491</b>
Drawing No. <b>AR112275-CV-002</b>	Rev. <b>A</b>



Notes:

1. Refer to drawing CV-002 for General Civil Notes.
2. For DN100 uPVC pipes within the boundary use SN6, for DN150 uPVC pipes within the boundary use SN8. When in road reserve use SN16.
3. Drainage contractor is to confirm the condition of all existing stormwater and wastewater laterals prior making connections. If not in suitable condition council to be contacted for replacement/repair. The public wastewater lateral may only be repaired by a Council Authorized Drainlayer.
4. Stormwater- DN100 uPVC SW@1:100 unless noted otherwise.
5. Wastewater- DN100 uPVC WW@1:60 unless noted otherwise.
6. Water-DN20 PE80 PN12.5 WS unless noted otherwise.
7. The first 1m of sealed surfacing next to a threshold drain must fall away from the threshold drain at 1 in 40 grade.
8. Invert levels of existing pipes that proposed stormwater & wastewater systems are connecting to must be excavated and confirmed at the start of construction.

LEGEND	
Existing	
	Sewer
	Water
	Stormwater
	U/G power
	O/H power
	High voltage
	Telecommunication
	Fibre optic
	Existing power pole/ lighting pole
	Existing water meter
Proposed	
	Waste Water
	Water
	Stormwater
	Property Boundary
	Gully trap
	Sewer stack
	Down pipe
	WW / SW rodding point
	Proprietary Inline sump
	Water meter
	WW / SW Manhole
	Sump. Refer to drawing for type
	Strip Drain
	Water supply pipe to be vested back to council
	Water/Water pipe to be vested back to council

Important Services Note:

Existing services shown are considered indicative and are based on records supplied by the service authorities. The contractor is responsible for ensuring all services are located and marked prior to any site works, and for protecting these services for the duration of the contract. Locations of power supply and communications including connection locations are indicative only. Contractor to confirm appropriate services layout with utility providers and ensure minimum separation distances are observed for shared trenching with 3 waters services

RESOURCE CONSENT  
NOT FOR CONSTRUCTION

ORIGINAL DRAWING  
IN COLOUR

Discipline	CIVIL	Beca Project No.	3160491
Drawing No.	AR112275-CV-111	Rev.	A



Proposed House 04 & 05  
soakpit size and location  
TBC at detailed design.

Proposed House 06 & 07  
soakpit size and location  
TBC at detailed design.

Proposed House 08 & 09  
soakpit size and location  
TBC at detailed design.

Proposed communal  
soakpit size and  
location TBC at  
detailed design.

Proposed House 01  
soakpit size and  
location TBC at  
detailed design.

Proposed Type 2  
sump

Proposed House 02  
soakpit size and  
location TBC at  
detailed design.

Proposed House 03  
soakpit size and  
location TBC at  
detailed design.

ALLENS ROAD

WW MH 0.3m LID BELOW SEAL  
unable to survey

Existing DN150 CONC WW main

Existing DN150 CONC WW main

Proposed Ø1050 WW MH

1125 (A1) 0 1 2 3 4 5 6 7 8 9 10 12.5m  
1250 (A3)

No.	Revision	By	Chk	Appd	Date
A	ISSUED FOR RESOURCE CONSENT	CB	DJ	PH	04.05.23

Original Scale (A1)	Design	C. Bridi	27.09.2023
1:125	Drawn	R. Sharma	28.04.2023
Reduced Scale (A3)	Dwg Verifier	D. Johnstone	27.04.2023
1:250	Dwg Check	C. Bridi	28.04.2023

\* Refer to Revision 1 for Original Signature



Project: 43-47 ALLENS ROAD  
ALLENTON  
ASHBURTON

Services PLAN

Notes:

1. Refer to drawing CV-002 for General Civil Notes.
2. The topographical survey information shown is supplied by a third party and has not been confirmed by Beca.
3. Refer to architectural drawings for fencing requirements.
4. Refer to architectural drawings for fencing requirements.
5. Install water inlet protection(silt sock) at downstream catchpits or other stormwater inlet structures.
6. Refer to survey drawing for further detail on existing features.

LEGEND

	Sewer		Control mark
	Water		Stormwater sump
	Stormwater		Stormwater manhole
	U/G Power		Stormwater kerb outlet
	O/H power		Sewer manhole
	High voltage		Spot heights
	Telecommunication		Fire hydrant
	Fibre optic		Water meter
	Vodafone		Water valve
	Property Boundary		Power box
	Major contour		Telecom box / plinth
	Minor contour		Existing power pole / lightpole
	Existing Fence		Existing communications structure
	Proposed Silt Fence		Tree trunk and dripline
	Silt sock for sump protection		

Install perimeter silt fence. Refer CV-501 for detail

Install perimeter silt fence. Refer CV-501 for detail

Contractor to install 'Vanguard Type 49-GPM' ground protection mat with proprietary mat connectors as per manufacturer's specifications (or similar approved by engineer) over the stabilised gravel layer to protect the existing footpath and kerb during construction. Extent of mat protection to be agreed upon with engineer

Contractor to install 'Vanguard Type 49-GPM' ground protection mat with proprietary mat connectors as per manufacturer's specifications (or similar approved by engineer) over the stabilised gravel layer to protect the existing footpath and kerb during construction. Extent of mat protection to be agreed upon with engineer

RESOURCE CONSENT  
NOT FOR CONSTRUCTION

ORIGINAL DRAWING  
IN COLOUR

No.	Revision	By	Chk	Appd	Date
A	ISSUED FOR RESOURCE CONSENT	NY	DJ	PH	04.05.23

Original Scale (A1)	1:100	Design	N. Yung	27.04.2023
Reduced Scale (A3)	1:200	Drawn	R. Sharma	28.04.2023
		Dwg Verifier	D. Johnstone	27.04.2023
		Dwg Check	N. Yung	28.04.2023

\* Refer to Revision 1 for Original Signature

Beca

Kāinga Ora  
Homes and Communities

Project: 43-47 ALLENS ROAD  
ALLENTON  
ASHBURTON

Title: EXISTING SITE PLAN  
WITH EROSION & SEDIMENT  
CONTROL.

Discipline	CIVIL	Beca Project No.	3160491
Drawing No.	AR112275-CV-121	Rev.	A



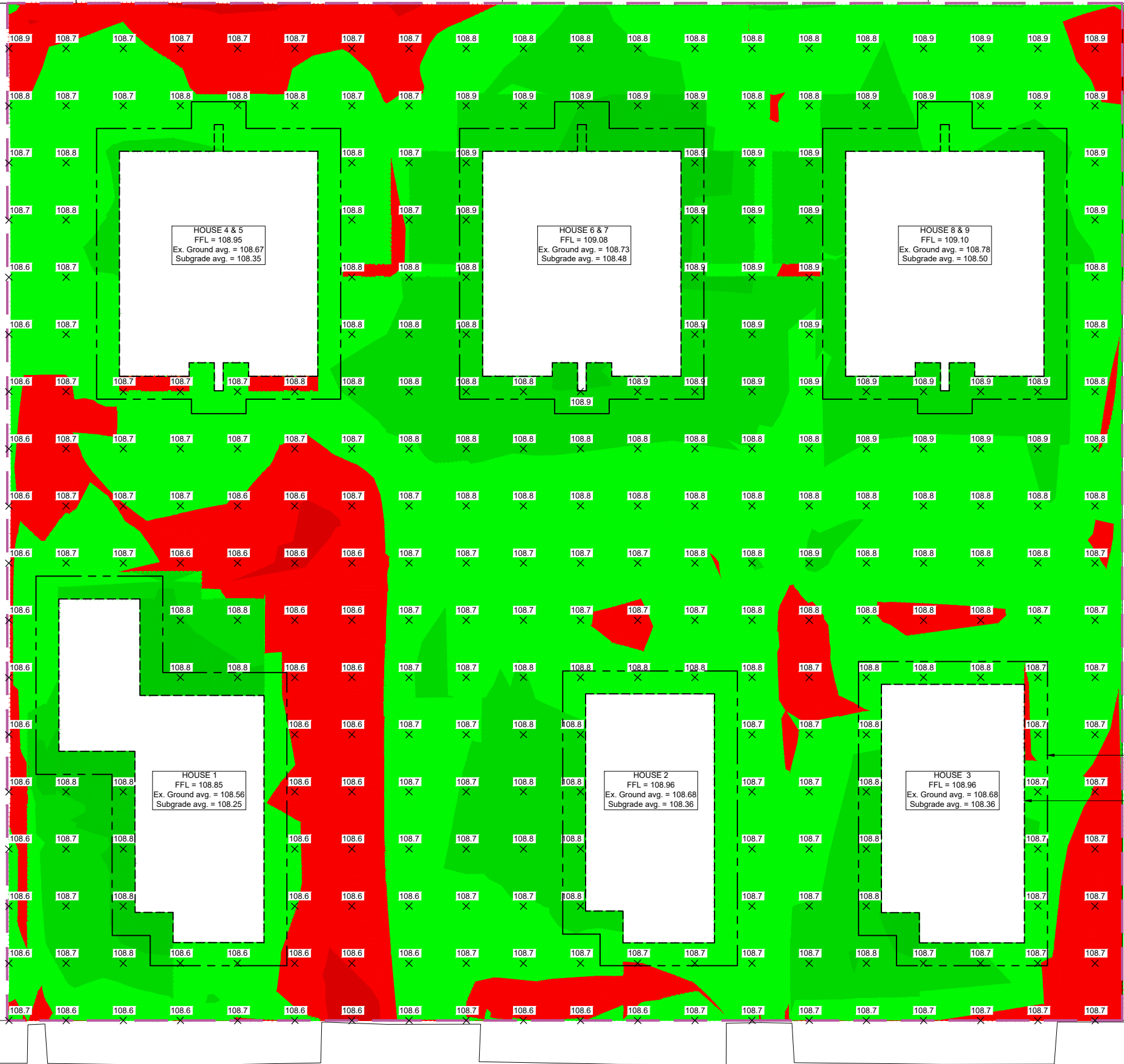


Notes:

1. Refer to drawing CV-002 for general civil notes.
2. Cut/fill of the foundation is considered, but not shown on the plan.
3. Spot heights represent finished ground levels

Elevation Ranges		
Colour	Minimum Elevation (m)	Maximum Elevation (m)
Dark Green	0.2	0.3
Light Green	0.1	0.2
Yellow	0.0	0.1
Orange	-0.1	0.0
Red	-0.2	-0.1

Volumes : Cut \ Fill		
	Whole Site	
	Cut (m³)	Fill (m³)
Stage 1 - From existing to site scrape	684	0
Stage 2 - From site scrape to subgrade	17	195
Stage 3 - From subgrade to finished	0	748
Total	701	943



Extent of reinforced gravel raft. Typical

House foundation Typical

ALLENS ROAD

EARTHWORKS PLAN OVERALL  
EXISTING TO FINAL

RESOURCE CONSENT  
NOT FOR CONSTRUCTION



1:100 (A1)  
1:200 (A3)

DO NOT SCALE FOR SET OUT DIMENSIONS

No.	Revision	By	Chk	Appd	Date
A	ISSUED FOR RESOURCE CONSENT	NY	DJ	PH	04.05.23

Original Scale (A1)	Design	N. Yung	27.04.2023
1:100	Drawn	R. Sharma	28.04.2023
Reduced Scale (A3)	Dwg Verifier	D. Johnstone	27.04.2023
1:200	Dwg Check	N. Yung	28.04.2023

\* Refer to Revision 1 for Original Signature

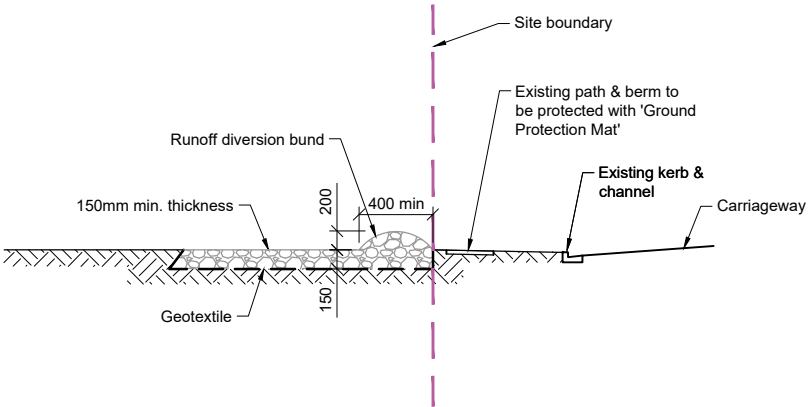


Project: 43-47 ALLENS ROAD  
ALLENTON  
ASHBURTON

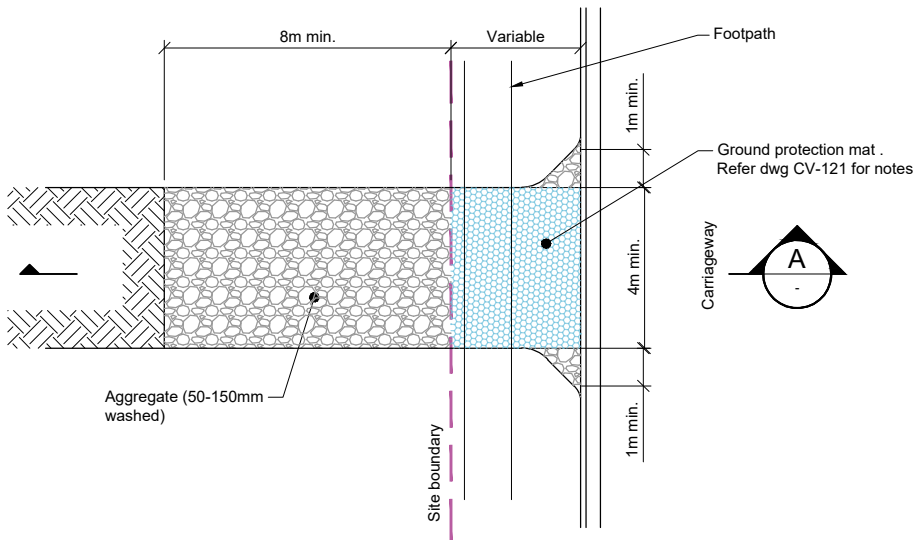
Title: EARTHWORKS PLAN

Discipline	CIVIL	Beca Project No.	3160491
Drawing No.	AR112275-CV-131	Rev.	A

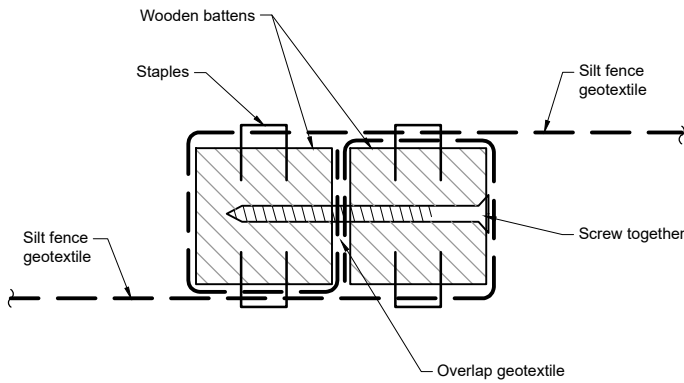
- Notes:
1. Refer to drawing CV-002 for General Notes.
  2. Refer to drawing CV-121 for location of stabilised entranceway on property boundary.



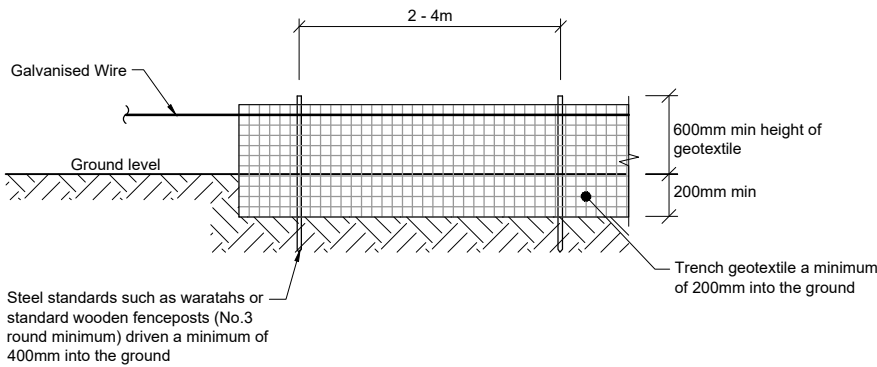
**A** SECTION - STABILISED ENTRANCEWAY  
NTS



**STABILISED ENTRANCEWAY - PLAN**  
SCALE NTS

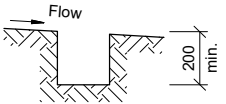


**SILT FENCE GEOTEXTILE JOIN SECTIONAL PLAN**  
SCALE NTS

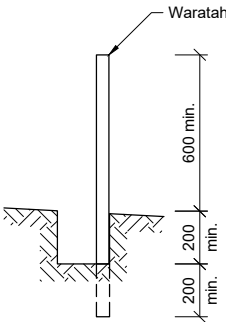


**SILT FENCE ELEVATION**  
SCALE NTS

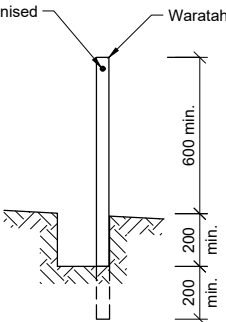
**Step 1**  
Dig a 200mm deep trench



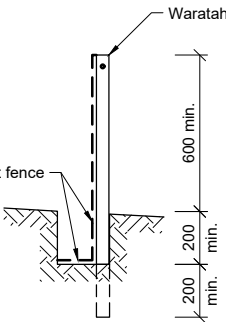
**Step 2**  
Hammer in 1m waratahs or wooden fence post 200mm into the trench, therefore 400mm below original ground level



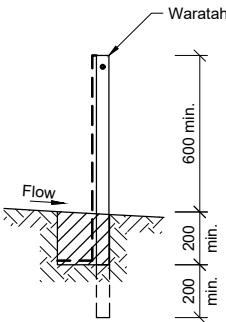
**Step 3**  
Install single galvanised wire and tension it at 50m intervals



**Step 4**  
Install single layer of silt fence geotextile fabric hard against the side of the trench (800mm total height)



**Step 5**  
Back fill and compact well (critical)



**SILT FENCE CONSTRUCTION METHOD**  
SCALE NTS

**RESOURCE CONSENT**  
NOT FOR CONSTRUCTION

								Original Scale (A1) as shown	Design	N. Yung	27.04.2023
								Reduced Scale (A3)	Drawn	R. Sharma	28.04.2023
									Dwg Verifier	D. Johnstone	27.04.2023
									Dwg Check	N. Yung	28.04.2023
									* Refer to Revision 1 for Original Signature		
				No.	Revision	By	Chk	Appd	Date		
				A	ISSUED FOR RESOURCE CONSENT	NY	DJ	PH	04.05.23		



Project: 43-47 ALLENS ROAD  
ALLENTON  
ASHBURTON

Title: EROSION & SEDIMENT  
CONTROL DETAILS

Discipline	CIVIL	Beca Project No.	3160491
Drawing No.	AR112275-CV-501	Rev.	A