

DRAWING REGISTER - CIVIL

HOUSING DELIVERY SYSTEM - MBU5

7-15 CHURCH STREET, HAMPSTEAD, ASHBURTON - AR109524

DRAWING REGISTER AND TRANSMITTAL NOTICE

ISSUE

Drawing No.	PROJECT VELOCITY	CURRENT REV	DAY MONTH YEAR	11 08 23					
AR109524-CV-001	COVER SHEET	A		A					
AR109524-CV-002	GENERAL CIVIL NOTES	A		A					
AR109524-CV-101	SITE PLAN SHEET 1								
AR109524-CV-102	SITE PLAN SHEET 2								
AR109524-CV-111	CONCEPTUAL SERVICES PLAN SHEET 1	A		A					
AR109524-CV-112	CONCEPTUAL SERVICES PLAN SHEET 2	A		A					
AR109524-CV-121	EXISTING SITE PLAN WITH EROSION & SEDIMENT CONTROL.	A		A					
AR109524-CV-131	EARTHWORKS PLAN	A		A					
AR109524-CV-205	PROPOSED VESTED WASTEWATER MAIN SHEET 1								
AR109524-CV-206	PROPOSED VESTED WASTEWATER MAIN SHEET 2								
AR109524-CV-501	EROSION & SEDIMENT CONTROL DETAILS	A		A					
AR109524-CV-505	PAVEMENT DETAILS								
AR109524-CV-506	KERB & CHANNEL DETAILS								
AR109524-CV-510	VEHICLE CROSSINGS DETAILS SHEET 1								
AR109524-CV-511	VEHICLE CROSSINGS DETAILS SHEET 2								
AR109524-CV-512	MISCELLANEOUS DETAILS								
AR109524-CV-513	SOAKPIT DETAILS								
AR109524-CV-515	3 WATERS DETAILS SHEET 1								
AR109524-CV-516	3 WATERS DETAILS SHEET 2								
AR109524-CV-517	3 WATERS DETAILS SHEET 3								
AR109524-CV-518	3 WATERS DETAILS SHEET 4								
AR109524-CV-519	STORMWATER MAIN CONNECTION DETAILS								
AR109524-CV-520	WATER SUPPLY SERVICE CONNECTION DETAILS								
AR109524-CV-521	TRENCH, EMBEDMENT, TRENCH FILL& REINSTATEMENTS DETAILS								
AR109524-CV-522	NZBC DETAILS								

Count

7

7

DISTRIBUTION

HOUSING DELIVERY SYSTEM - MBU5

7-15 CHURCH STREET, HAMPSTEAD, ASHBURTON - AR109524

DRAWING REGISTER AND TRANSMITTAL NOTICE

Resource Consent

COMPANY

CHRISTCHURCH CITY COUNCIL

P

BUILDER

P

KEY

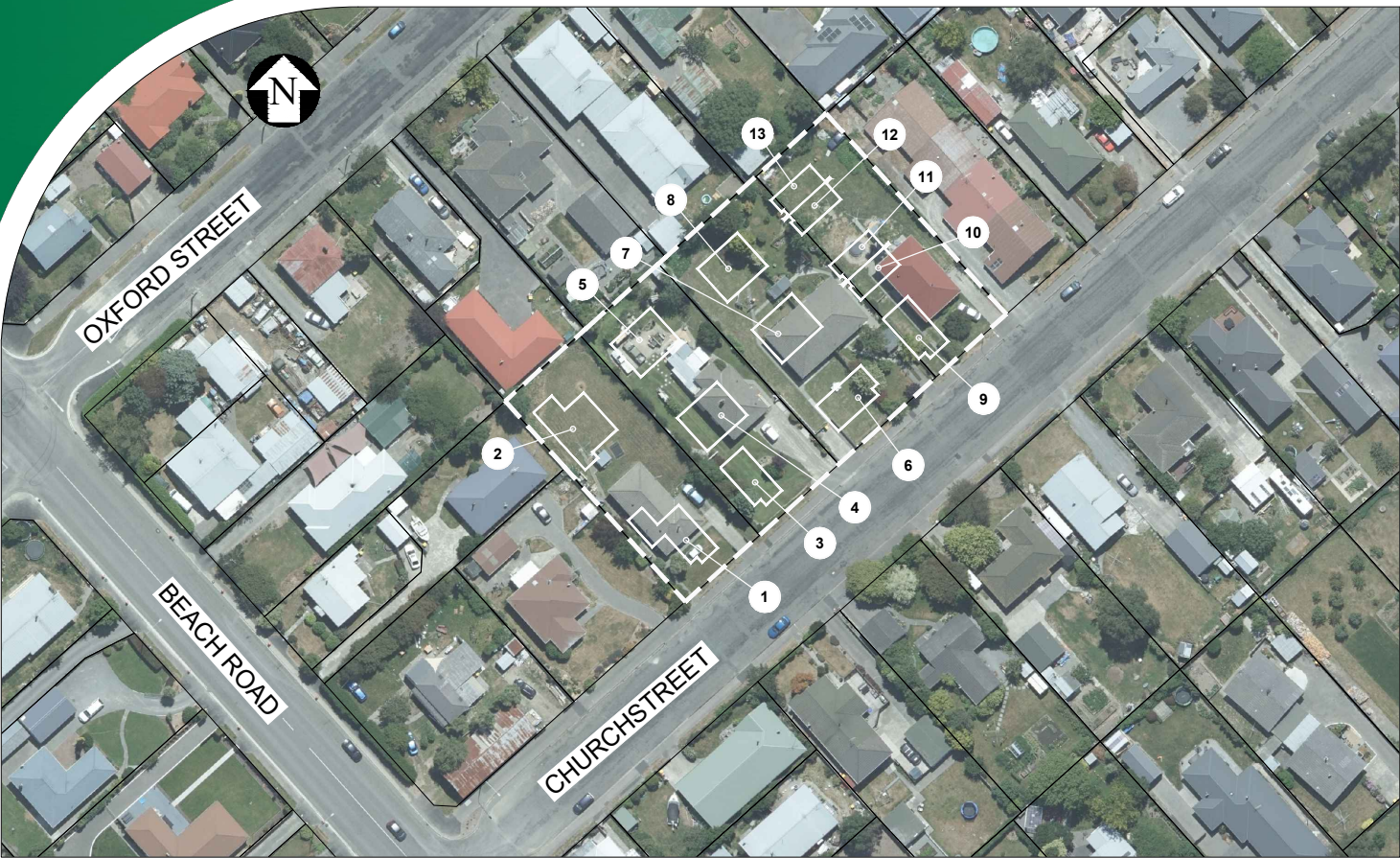
PDF.....P

A1.....A1 Hardcopy

A3.....A3 Hardcopy

AA.....A1 and A3 Hardcopy

HOUSING DELIVERY SYSTEM - CHCH MBU1



LOCALITY PLAN
NTS

DRAWING LIST	
DRAWING NUMBER	DESCRIPTION
AR109524-CV-001	COVER SHEET
AR109524-CV-002	GENERAL CIVIL NOTES
AR109524-CV-111	CONCEPTUAL SERVICES PLAN SHEET 1
AR109524-CV-112	CONCEPTUAL SERVICES PLAN SHEET 2
AR109524-CV-121	EXISTING SITE PLAN WITH EROSION & SEDIMENT CONTROL.
AR109524-CV-131	EARTHWORKS PLAN
AR109524-CV-501	EROSION & SEDIMENT CONTROL DETAILS

CIVIL

3160491

7-15 CHURCH STREET
HAMPSTEAD
ASHBURTON

COVER SHEET

AUGUST 2023



RESOURCE CONSENT
NOT FOR CONSTRUCTION

AR109524-CV-001

A

1. Datums and Coordinate Systems

- ## 2. Civil Works General

3. Setout

4. Existing Services

5. Erosion and Sediment control

6. Earthworks General

7. Subgrade

8. Subgrade Testing

9. Filling

10. Drainage and Water Supply

- ## 11. Sub-basecourse Preparation

12. Sub-basecourse Construction

- ### 13. Sub-basecourse Acceptance

14. Basecourse Construction

15. Basecourse Acceptance

16. Asphaltic Concrete

17. Concrete

18. Asbuilts

19. Completion

20. Inspections

							Original Scale (A1)	Design	C. Bridi	02.08.2023	 	Project: 7-15 CHURCH STREET HAMPSTEAD ASHBURTON	Title: GENERAL CIVIL NOTES	Discipline	CIVIL	Beca Project No.	3160491
							Drawn	R. Sharma	03.08.2023								
							Disp. Verifier	D. Johnstone	04.09.2023								
							Disp. Check	H. Patel	04.09.2023								
							* Refer to Revision 1 for Original Signature										
	A	ISSUED FOR RESOURCE CONSENT				CB	DJ	PH	11.08.23	Reduced Scale (A3)				Drawing No.	AR109524-CV-002	Rev.	A
	No.	Revision				By	Chk	Appd	Date								



17

Important Services Note:

Existing services shown are indicative and 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

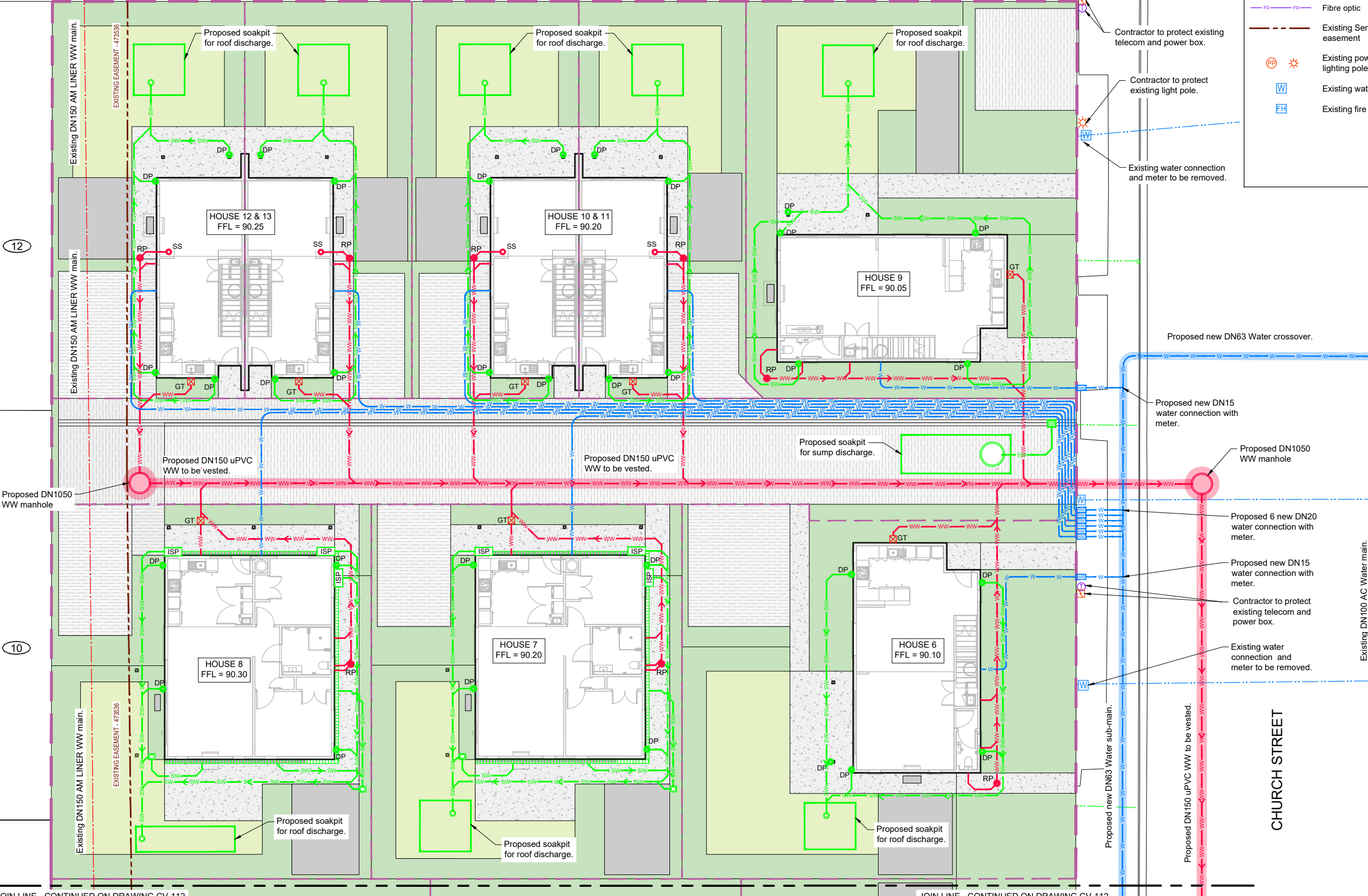
LEGEND	
Existing	Proposed
Sewer	Waste Water
Water	Water
Stormwater	Stormwater
U/G power	Property Boundary
O/H power	GT Gully trap
High voltage	SS Sewer stack
Telecommunication	DP Down pipe
Fibre optic	RP WW / SW rodding point
Existing Services easement	ISP Proprietary Inline sump
Existing power pole/lighting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

Notes:

- Refer to drawing CV-002 for General Civil Notes.
- For DN100 uPVC pipes within the boundary use SN6, for DN150 uPVC pipes within the boundary use SN8. When in road reserve use SN16 for both DN100 & DN150 pipes. All vested infrastructure to be SN16.
- 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, contact. The public wastewater lateral may only be repaired by a Council Authorized Drainlayer.
- Stormwater- DN100 uPVC SW@1:100 unless noted otherwise.
- Wastewater- DN100 uPVC WW@1:60 unless noted otherwise.
- Water-DN25 PE80 PN12.5 WS unless noted otherwise.
- Threshold Drains:
 - The first 1m of sealed surfacing next to a threshold drain must fall away from the threshold drain at 1 in 40 grade.
 - Internal fall of threshold drains must be a minimum grade of 1 in 200.
 - Threshold drains have been designed with a maximum of 3.7m between outlets to the stormwater system.
 - Threshold drain outlets drain to a sump with a lid level at least 150mm below the finished floor level to the connected dwelling.
 - Overflow outlets are to be installed where the threshold drain terminates less than 150mm below finished floor level.
- Invert levels of existing pipes that proposed stormwater & wastewater systems are connecting to must be excavated and confirmed at the start of construction.

RESOURCE CONSENT
NOT FOR CONSTRUCTION

ORIGINAL DRAWING
IN COLOUR



JOIN LINE - CONTINUED ON DRAWING CV-112

JOIN LINE - CONTINUED ON DRAWING CV-112

Original Scale (A1) 1:100	Design C. Bridi 02.08.2023	Drawn R. Sharma 03.08.2023	Checked D. Johnstone 04.09.2023	Approved H. Patel 04.09.2023	Date 11.08.23
Reduced Scale (A3) 1:200	* Refer to Revision 1 for Original Signature				
No.	Revision	By	Chk	Appd	Date
A	ISSUED FOR RESOURCE CONSENT	CB	DJ	PH	11.08.23

Original Scale (A1) 1:100	Design C. Bridi 02.08.2023	Drawn R. Sharma 03.08.2023	Checked D. Johnstone 04.09.2023	Approved H. Patel 04.09.2023	Date 11.08.23
Reduced Scale (A3) 1:200	* Refer to Revision 1 for Original Signature				
No.	Revision	By	Chk	Appd	Date
A	ISSUED FOR RESOURCE CONSENT	CB	DJ	PH	11.08.23



Project: 7-15 CHURCH STREET
HAMPSTEAD
ASHBURTON

Title: CONCEPTUAL SERVICES
PLAN SHEET 1

Discipline CIVIL	Beca Project No. 3160491
Drawing No. AR109524-CV-111	Rev. A



Important Services Note:

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5. Wastewater- DN100 uPVC WW@1:60 unless noted otherwise.
6. Water-DN25 PE80 PN12.5 WS unless noted otherwise.

7. Threshold Drains:

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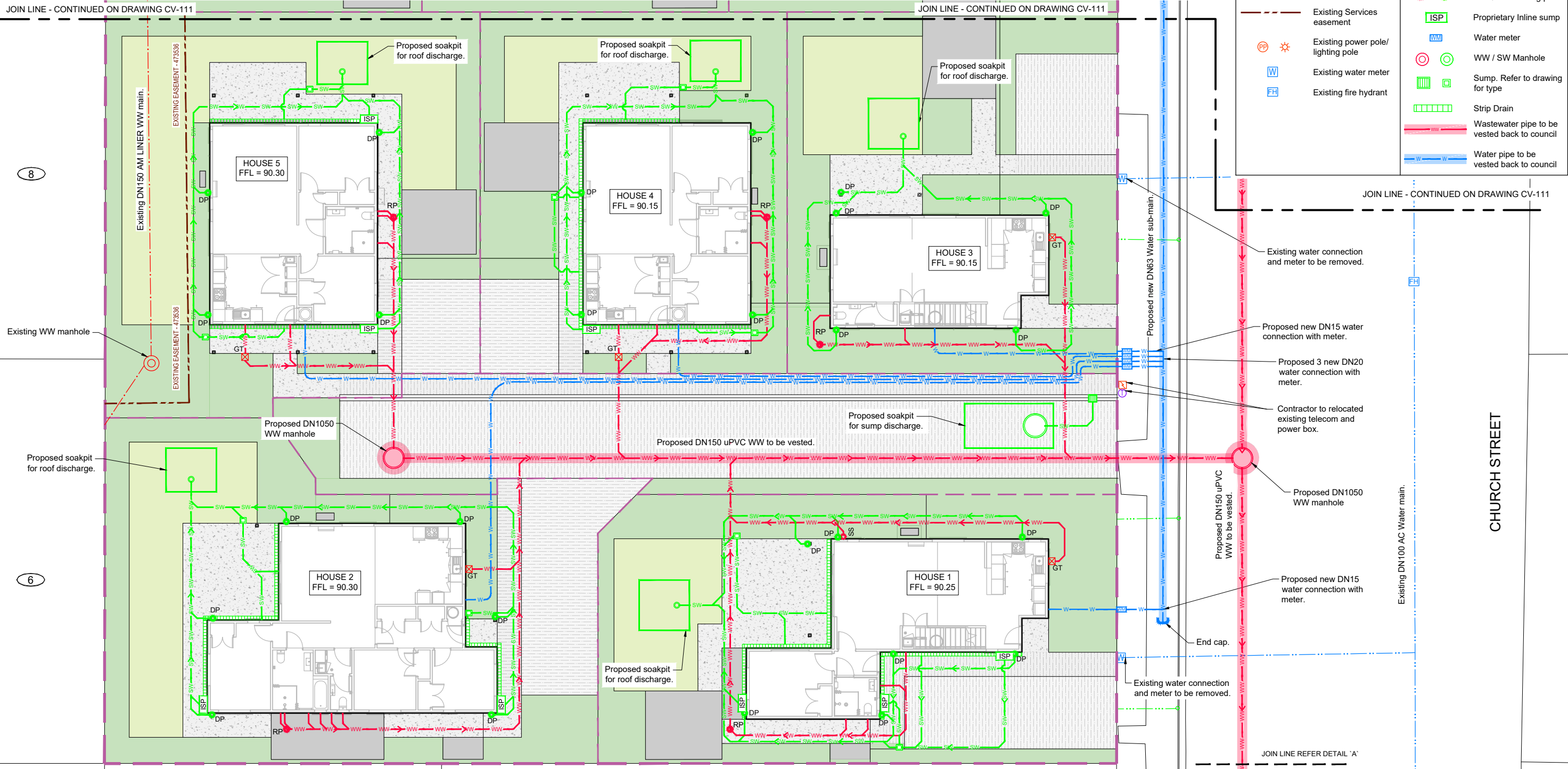
8. Invert levels of existing pipes that proposed stormwater & wastewater systems are connecting to must be excavated and confirmed at the start of construction.

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

JOIN LINE - CONTINUED ON DRAWING CV-111

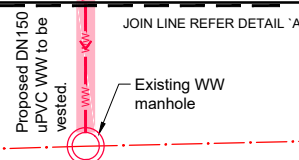
JOIN LINE - CONTINUED ON DRAWING CV-111

JOIN LINE - CONTINUED ON DRAWING CV-111



A DETAIL
SCALE 1:100

Existing DN150 AM LINER WW main.



RESOURCE CONSENT
NOT FOR CONSTRUCTION

ORIGINAL DRAWING
IN COLOUR

No.	Revision	By	Chk	Appd	Date
A	ISSUED FOR RESOURCE CONSENT	CB	DJ	PH	11.08.23

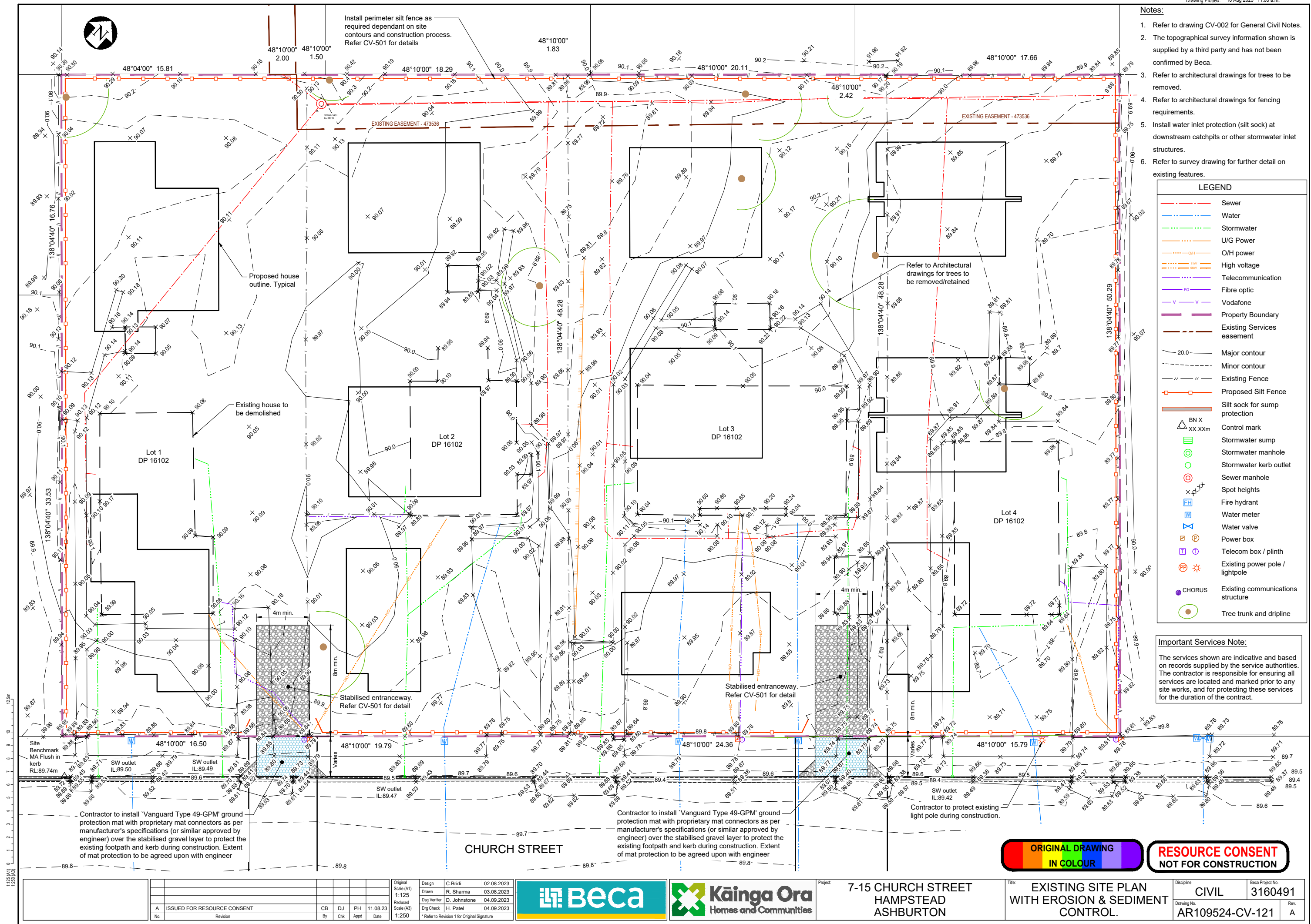
Original Scale (A1)	Design	C.Bridi	02.08.2023
1:100	Drawn	R. Sharma	03.08.2023
Reduced Scale (A3)	Dwg Verifier	D. Johnstone	04.09.2023
1:200	Dwg Check	H. Patel	04.09.2023
	* Refer to Revision 1 for Original Signature		



Project: 7-15 CHURCH STREET
HAMPSTEAD
ASHBURTON

Title: CONCEPTUAL SERVICES
PLAN SHEET 2

Discipline	CIVIL	Beca Project No.	3160491
Drawing No.	AR109524-CV-112	Rev.	A



DO NOT SCALE FOR SET OUT DIMENSIONS

No.	Revision	By	Chk	Appd	Date
A	ISSUED FOR RESOURCE CONSENT	CB	DJ	PH	11.08.23

Original Scale (A1)	Design	C.Bridi	02.08.2023
1:125	Drawn	R. Sharma	03.08.2023
Reduced Scale (A3)	Design	D. Johnstone	04.09.2023
1:250	Drawn	H. Patel	04.09.2023



Project: 7-15 CHURCH STREET
HAMPSTEAD
ASHBURTON

Title: EXISTING SITE PLAN
WITH EROSION & SEDIMENT
CONTROL.

Discipline	CIVIL	Beca Project No.	3160491
Drawing No.	AR109524-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)
	0.5	0.6
	0.4	0.5
	0.3	0.4
	0.2	0.3
	0.1	0.2
	0.0	0.1
	-0.1	0.0
	-0.2	-0.1
	-0.3	-0.2

Volumes : Cut \ Fill		
	Whole Site	
	Cut (m³)	Fill (m³)
Stage 1 -From existing to site scrape	1213	0
Stage 2 - From site scrape to subgrade	533	71
Stage 3 - From subgrade to finished	0	1974
Total	1746	2045

17

RESOURCE CONSENT
NOT FOR CONSTRUCTION



Discipline	CIVIL	Beca Project No.	3160491
Drawing No.	AR109524-CV-131	Rev.	A



6

8

10

12

53

5

1:125 (A1)
1250 (A3)

CHURCH STREET

EARTHWORKS PLAN OVERALL
EXISTING TO FINAL

House foundation
Typical

Extent of reinforced
gravel raft. Typical

No.	Revision	By	Chk	Appd	Date
A	ISSUED FOR RESOURCE CONSENT	CB	DJ	PH	11.08.23

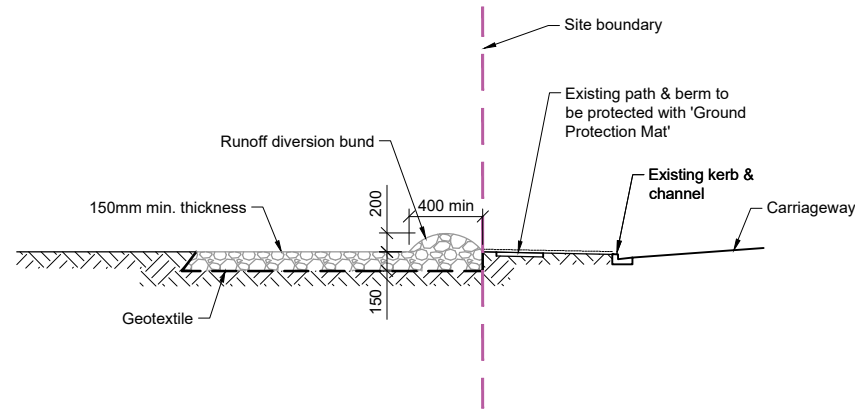
Original Scale (A1)	Design	C.Bridi	02.08.2023
1:125	Drawn	R. Sharma	03.08.2023
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1:250	Dwg Check	H. Patel	04.09.2023
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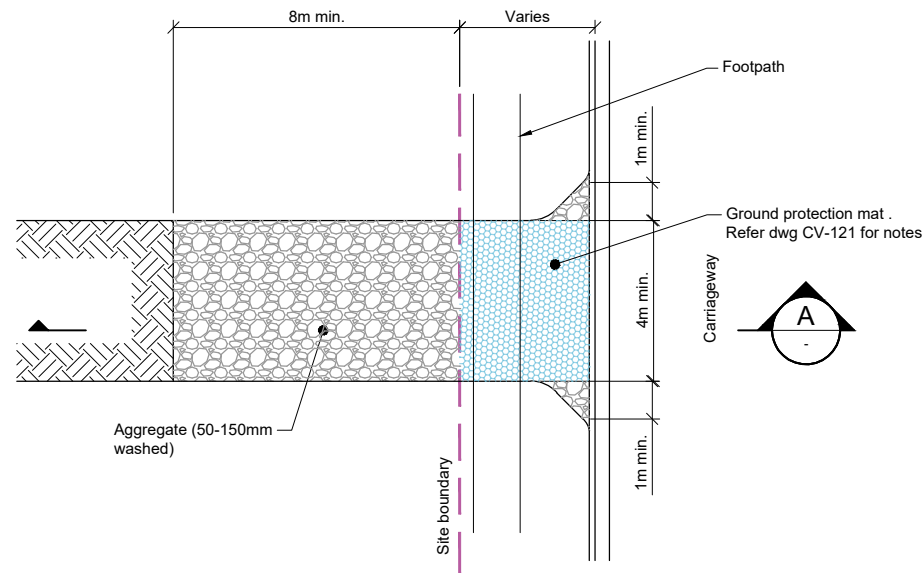
Project: 7-15 CHURCH STREET
HAMPSTEAD
ASHBURTON

Title: EARTHWORKS PLAN

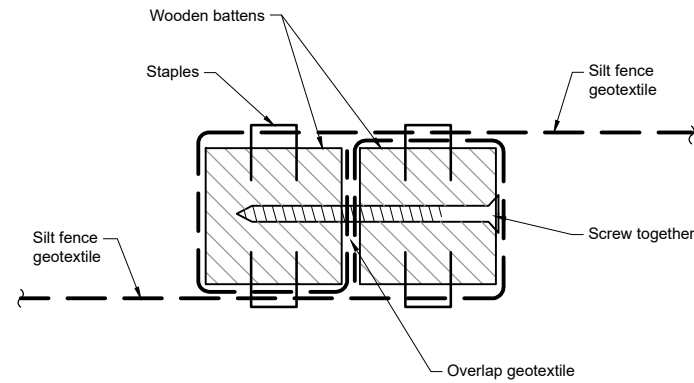
- Notes:
1. Refer to drawing CV-002 for General Notes.
 2. Refer to drawing CV-121 for location of stabilised entranceway on property boundary.



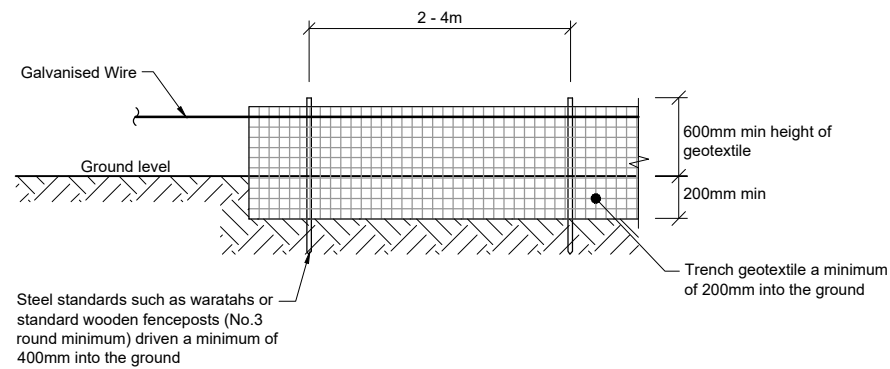
A SECTION - STABILISED ENTRANCEWAY
SCALE NTS



STABILISED ENTRANCEWAY - PLAN
SCALE NTS

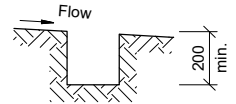


SILT FENCE GEOTEXTILE JOIN SECTIONAL PLAN
SCALE NTS

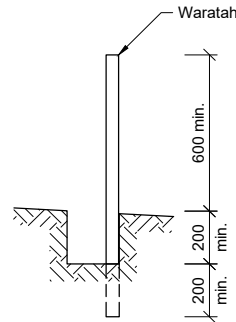


SILT FENCE ELEVATION
SCALE NTS

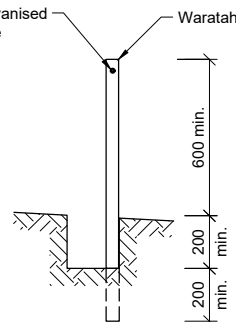
Step 1
Dig a 200mm deep trench



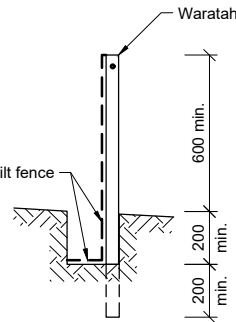
Step 2
Hammer in 1m waratahs or wooden fence post 200mm into the trench, therefore 400mm below original ground level



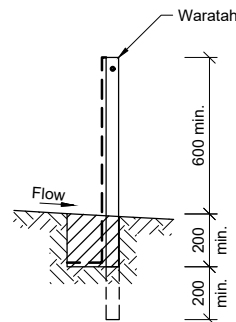
Step 3
Install single galvanised wire and tension it at 50m intervals



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

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												Original Scale (A1)		Design	C.Bridi	02.08.2023
												as shown		Drawn	R. Sharma	03.08.2023
												Reduced Scale (A3)		Dwg Verifier	D. Johnstone	04.09.2023
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