

- LEGEND**
- DESIGNATION BOUNDARY
  - PROPERTY BOUNDARY
  - SECURITY FENCE
  - PERMANENT FARM FENCE
  - EXISTING STOCK FENCE
  - TIMBER RETAINING WALL
  - TEMPORARY CONSTRUCTION FENCE
  - OBSERVED WETLAND
  - CONCRETE PAVING
  - PLANTED TERRAMESH RETAINING WALL
  - AMENITY PLANTING (MAX. 1M HIGH)
  - EDGE PLANTING (MAX. 1M HIGH)
  - WETLAND EDGE PLANTING
  - RIPARIAN SCREEN PLANTING
  - SCREEN UNDERPLANTING
  - RIP RAP (REFER TO STORMWATER DRAWINGS)
  - PROPOSED TREE
  - PROPOSED SHRUB / SMALL TREE

1:500 @ A1  
1:1000 @ A3

REVISION	AMENDMENT	APPROVED	DATE
A	ISSUED FOR RESOURCE CONSENT	FR	25/09/2023
B	ISSUED FOR RESOURCE CONSENT	FR	19/01/2024
C	ISSUED FOR RESOURCE CONSENT	FR	25/01/2024



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New Zealand

LANDSCAPE ARCHITECTURE

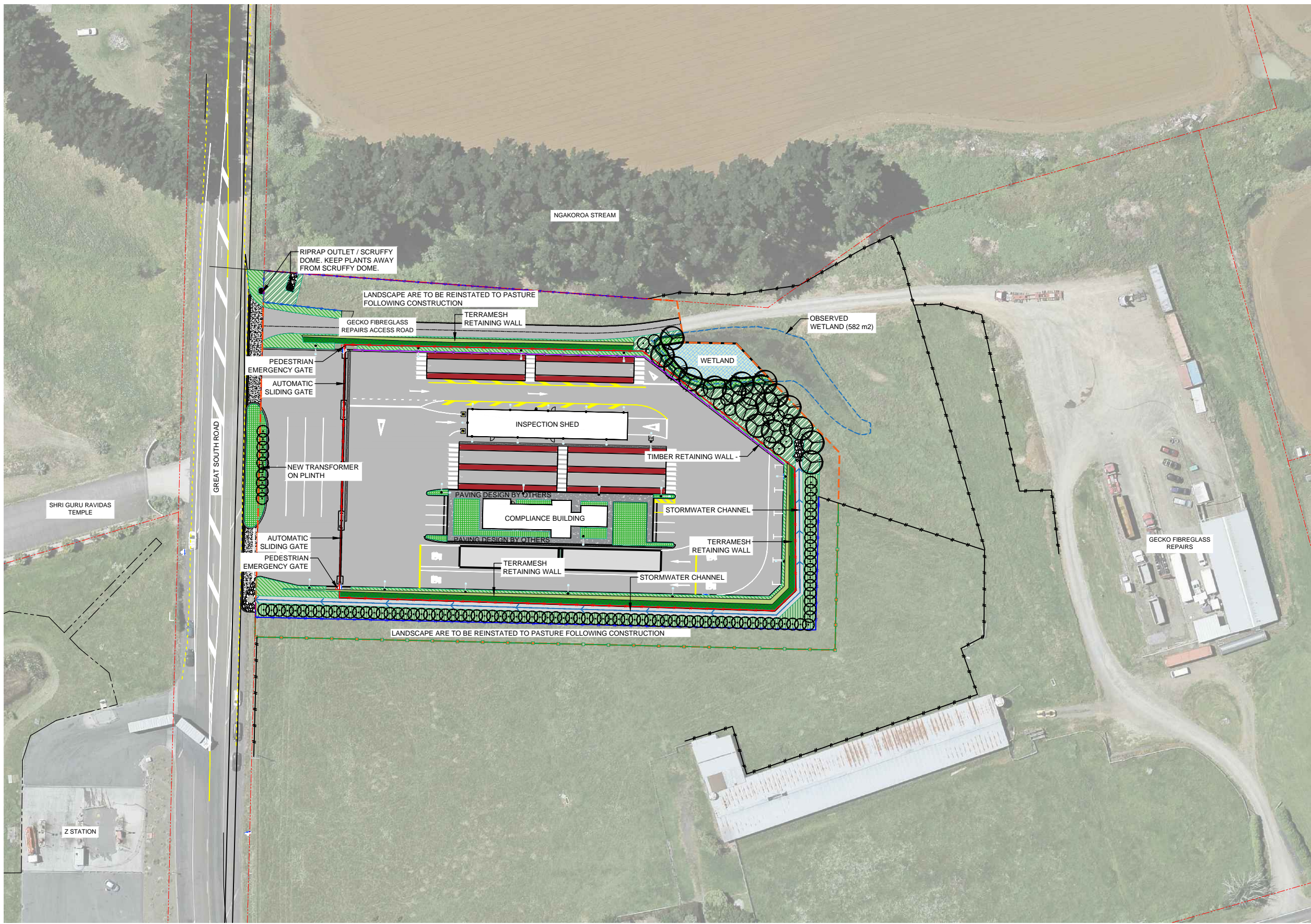
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DRAWN	DESIGN VERIFIED	APPROVED DATE	
J. FRENCH	M. DRYSDALE	25/01/2024	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
M. DRYSDALE	M. DRYSDALE	25/01/2024	

RESOURCE CONSENT

PROJECT  
WAKA KOTAHİ NZ TRANSPORT AGENCY  
BOMBAY, AUCKLAND  
WEIGH RIGHT PROGRAMME - BOMBAY CVSC  
TITLE  
LANDSCAPE GENERAL ARRANGEMENT PLAN  
WSP PROJECT NO. (SUB-PROJECT)  
5C4353-WSP-54-DR-  
SHEET NO.  
L-1000  
REVISION  
C



- LEGEND**
- DESIGNATION BOUNDARY
  - PROPERTY BOUNDARY
  - SECURITY FENCE
  - PERMANENT FARM FENCE
  - EXISTING STOCK FENCE
  - TIMBER RETAINING WALL
  - TEMPORARY CONSTRUCTION FENCE
  - OBSERVED WETLAND
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  - RIP RAP (REFER TO STORMWATER DRAWINGS)
  - PROPOSED TREE
  - PROPOSED SHRUB / SMALL TREE



1:500 @ A1  
1:1000 @ A3

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LANDSCAPE ARCHITECTURE

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1:500 (A1), 1:1000 (A3)	J. FRENCH	F. RAHMAN	A1
DRAWN	DESIGNED	APPROVED	
J. FRENCH	J. FRENCH	F. RAHMAN	
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE	
M. DRYSDALE	M. DRYSDALE	25/01/2024	

RESOURCE CONSENT

PROJECT  
WAKA KOTAHI NZ TRANSPORT AGENCY  
BOMBAY, AUCKLAND  
WEIGH RIGHT PROGRAMME - BOMBAY CVSC

TITLE  
LANDSCAPE GENERAL ARRANGEMENT PLAN - WIDER CONTEXT

WSP PROJECT NO. (SUB-PROJECT)  
5C4353-WSP-54-DR-

SHEET NO.  
L-1001

REVISION  
C



- LEGEND**
- TREES**
- C.au *Cordyline australis*
  - D.da *Dacrydium dacrydioides*
  - L.no *Laurelia novae-zelandiae*
  - P.te *Pittosporum tenuifolium*
  - P.to *Podocarpus totara*
  - S.mi *Sophora microphylla*
- SHRUBS AND GROUNDCOVERS**
- MIX 1 Terramesh retaining wall planting
  - MIX 2 Amenity planting (max. 1m high)
  - MIX 3 Edge planting (max. 1m high)
  - MIX 4 Wetland edge planting
  - MIX 5 Riparian screen planting
  - MIX 6 Screen underplanting
- OTHERS**
- DESIGNATION BOUNDARY
  - PROPERTY BOUNDARY
  - OBSERVED WETLAND

300 mm  
200  
100  
50  
0 10 mm

1:250 @ A1  
1:500 @ A3

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LANDSCAPE ARCHITECTURE

SCALES	DESIGNED	APPROVED
1:250 (A1), 1:500 (A3)	J. FRENCH	F. RAHMAN

RESOURCE CONSENT

PROJECT  
WAKA KOTAHI NZ TRANSPORT AGENCY  
BOMBAY, AUCKLAND  
WEIGH RIGHT PROGRAMME - BOMBAY CVSC

TITLE  
LANDSCAPE PLANTING PLAN

WSP PROJECT NO. (SUB-PROJECT)  
5C4353-WSP-54-DR-

SHEET NO.  
L-2000

REVISION  
C

**NOTES**



**GENERAL**

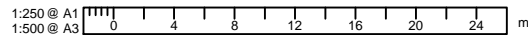
- THE LANDSCAPE PLANTING LAYOUT PLAN SHOWS A MASS PLANTING ARRANGEMENT WITHIN THE EXTENT OF WORKS. NOTE THAT HATCHES SHOWN ON THESE DRAWINGS ARE INDICATIVE ONLY AND DO NOT REPRESENT A PLANTING PATTERN.
- DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE NZTA P39 STANDARD SPECIFICATION FOR HIGHWAY LANDSCAPE TREATMENTS (THE SPECIFICATION) AND ALL WORKS CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION.
- ALL DIMENSIONS SHOWN IN MM UNLESS OTHERWISE STATED.
- DO NOT SCALE OFF THE DRAWINGS. USE DIMENSIONED MEASUREMENTS ONLY.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL ON-SITE SETOUT TO ENGINEER APPROVAL.
- CONTRACTOR IS TO TAKE ALL CARE TO CONFIRM LOCATION AND DIRECTION OF SERVICES PRIOR TO UNDERTAKING WORKS AND PROTECT THOSE TO BE RETAINED. INSPECT AND DOCUMENT EXISTING SERVICES BEFORE WORK COMMENCES. NOTIFY THE ENGINEER OF ANY DAMAGE.
- CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND DOCUMENTING ALL ITEMS TO BE RETAINED, INCLUDING PRIVATELY OWNED ASSETS PROXIMATE TO THE WORKS, PRIOR TO COMMENCING WORKS.

**PLANTING**

- ALL PLANTING AREAS TO HAVE A MINIMUM 300MM DEPTH GOOD QUALITY TOPSOIL AS PER THE SPECIFICATION TO FINISHED LEVELS.
- ALL PLANTING AREAS TO HAVE MINIMUM 100MM DEPTH MULCH AS PER THE SPECIFICATION.
- WHERE POSSIBLE, ALL NATIVE SPECIES TO BE ECO-SOURCED FROM THE LOCAL ECOLOGICAL AREA WITHIN THE AUCKLAND REGIONS.
- ALL PLANTS TO BE PLACED IN A QUINCUNX ARRANGEMENT. CONFIRM SETOUT WITH LANDSCAPE ARCHITECT PRIOR TO UNDERTAKING ANY PLANTING WORK.
- ALL TREES THAT ARE BEING REMOVED ARE TO BE CONFIRMED BY LANDSCAPE ARCHITECT ONSITE.

**PLANT PALETTE**

BOTANICAL NAME	COMMON NAME	GRADE (L)	SPACING (m)	PLANT % MIX	QUANTITY	PLACEMENT NOTES
<b>Trees</b>						
<b>C.au</b> <i>Cordyline australis</i>	Ti kouka/ Cabbage tree	45	as shown	-	13	
<b>D.da</b> <i>Dacrydium dacrydioides</i>	Kahikatea	45	as shown	-	5	Wetland edge planting mix
<b>L.no</b> <i>Laurelia novae-zelandiae</i>	Pukatea	45	as shown	-	5	
<b>P.te</b> <i>Pittosporum tenuifolium</i>	Kohuhu	45	2m / as shown	-	97	Screening
<b>P.to</b> <i>Podocarpus totara</i>	Totara	45	as shown	-	4	
<b>S.mi</b> <i>Sophora microphylla</i>	Kowhai	45	as shown	-	4	
<b>Shrubs and Groundcovers</b>						
<b>Mix 1 Terramesh Retaining Wall Planting</b>						
 <i>Muehlenbeckia complexa</i>	Pohuehue	1.5	4/m2	100%	1206	Top planting (290 m2)
 <i>Muehlenbeckia complexa</i>	Pohuehue	Root Trainer	1/m2	100%	500	Vertical facing
<b>Mix 2 (378 m2) Amenity Planting (max. 1m high)</b>						
<i>Carex testacea</i>	New Zealand Hair Sedge	1.5	4/m2	20%	315	Plant min. 2m from path edges
<i>Coprosma 'Hawera'</i>	Sand Coprosma	1.5	4/m2	50%	785	
<i>Libertia peregrinans</i>	Creeping NZ Iris	1.5	4/m2	20%	315	
<i>Phormium cookianum 'Green Dwarf'</i>	Mountain Flax	1.5	1/m2	10%	39	
<b>Mix3 (396 m2) Edge Planting (max. 1m high)</b>						
<i>Coprosma 'Hawera'</i>	Sand Coprosma	1.5	4/m2	50%	823	
<i>Phormium cookianum 'Green Dwarf'</i>	Mountain Flax	1.5	1/m2	50%	206	
<b>Mix 4 (81 m2) Wetland Edge planting</b>						
<i>Austroderia fulvida</i>	Toetoe	1.5	4/m2	20%	67	Planted away from water
<i>Carex secta</i>	Purei	1.5	4/m2	20%	67	Planted closer to water
<i>Carex virgata</i>	Small swamp sedge	1.5	4/m2	20%	67	
<i>Cyperus ustulatus</i>	Giant umbrella sedge	1.5	4/m2	20%	67	
<i>Juncus edgariae</i>	Wiwi	1.5	4/m2	20%	67	
<b>Mix 5 (432 m2) Riparian Screen Planting</b>						
<i>Austroderia fulvida</i>	Toetoe	1.5	4/m2	20%	360	
<i>Carex virgata</i>	Small swamp sedge	1.5	4/m2	20%	360	
<i>Coprosma robusta</i>	Karamu	1.5	4/m2	20%	360	
<i>Entelea arborescens</i>	Whau	1.5	1/m2	10%	44	
<i>Letospermum scoparium</i>	Manuka	1.5	1/m2	20%	90	
<i>Phormium tenax</i>	Harakeke	5	1/m2	10%	44	
<b>Mix 6 (591m2) Screen Underplanting</b>						
<i>Phormium cookianum 'Green Dwarf'</i>	Kohuhu	5	1/m2	100%	614	



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New Zealand

LANDSCAPE ARCHITECTURE

SCALES		ORIGINAL SIZE
1:250 (A1), 1:500 (A3)		A1
DRAWN	DESIGNED	APPROVED
J. FRENCH	J. FRENCH	F. RAHMAN
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
M. DRYSDALE	M. DRYSDALE	25/01/2024

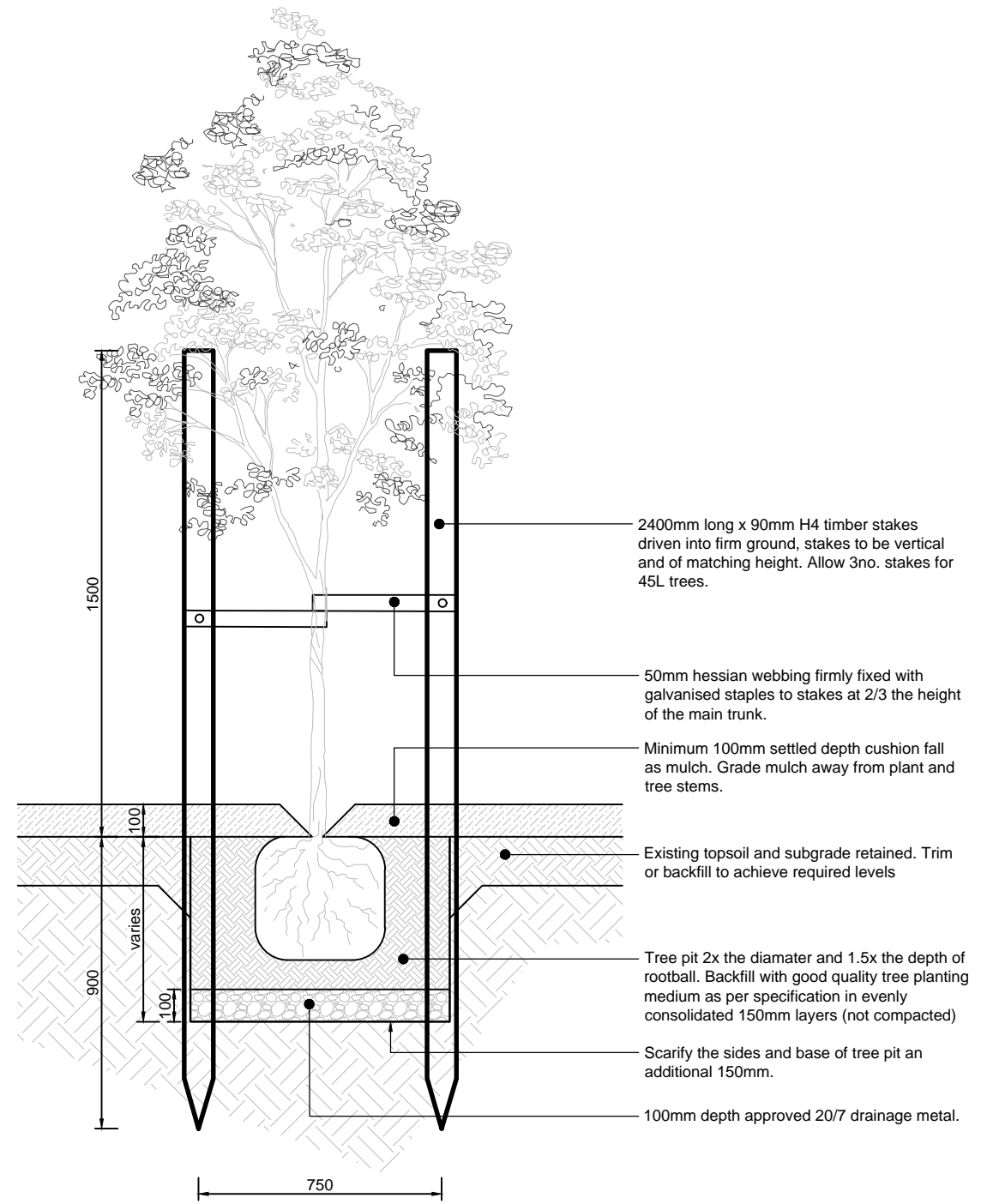
RESOURCE CONSENT

PROJECT  
WAKA KOTAHI NZ TRANSPORT AGENCY  
BOMBAY, AUCKLAND  
WEIGH RIGHT PROGRAMME - BOMBAY CVSC

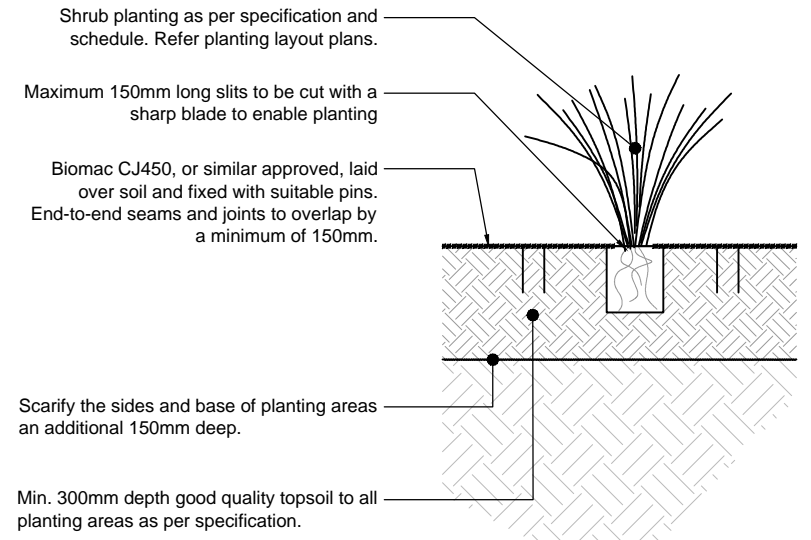
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LANDSCAPE PLANT SCHEDULE AND NOTES

WSP PROJECT NO. (SUB-PROJECT)	SHEET NO.	REVISION
5C4353-WSP-54-DR-	L-3000	C

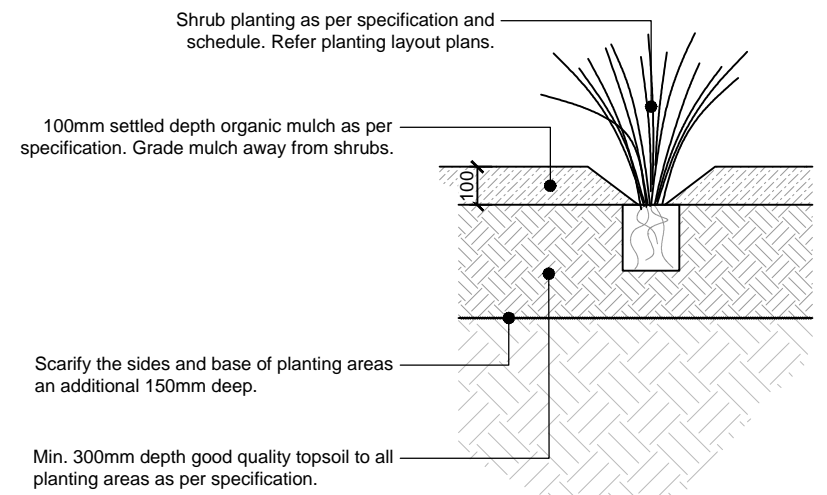
300 mm  
200  
100  
50  
0 10 mm



**01 TYPICAL 45L TREE PLANTING**  
4000 Scale: 1:10 (A1) 1:20 (A3)



**02 TYPICAL SHRUB PLANTING (GEOFABRIC) - MIX 3, MIX 4 & MIX 5**  
4000 Scale: 1:10 (A1) 1:20 (A3)



**03 TYPICAL SHRUB PLANTING (MULCH) - MIX 1, MIX 2 & MIX 6**  
4000 Scale: 1:10 (A1) 1:20 (A3)

1:10 @ A1  
1:20 @ A3  
0 100 200 300 400 500 600 700 800 900 1000 mm

REVISION	AMENDMENT	APPROVED	DATE
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LANDSCAPE ARCHITECTURE

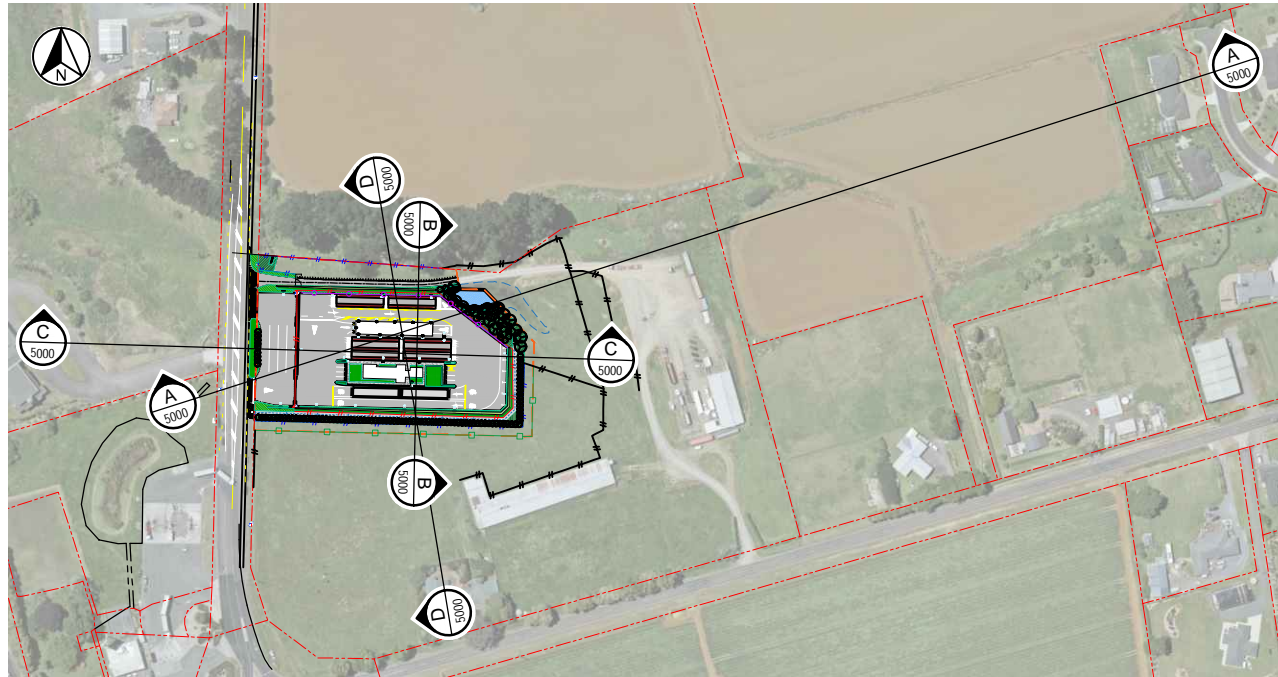
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DRAWN	J. FRENCH	F. RAHMAN	
DRAWING VERIFIED	M. DRYSDALE	APPROVED DATE	
		25/01/2024	

RESOURCE CONSENT

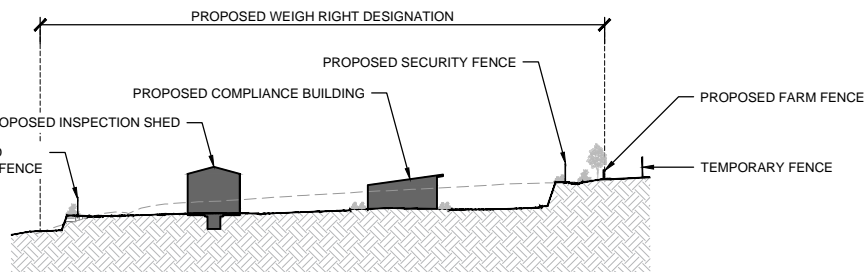
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WAKA KOTAHI NZ TRANSPORT AGENCY BOMBAY, AUCKLAND WEIGH RIGHT PROGRAMME - BOMBAY CVSC	LANDSCAPE TYPICAL PLANTING DETAILS	5C4353-WSP-54-DR-	L-4000	C



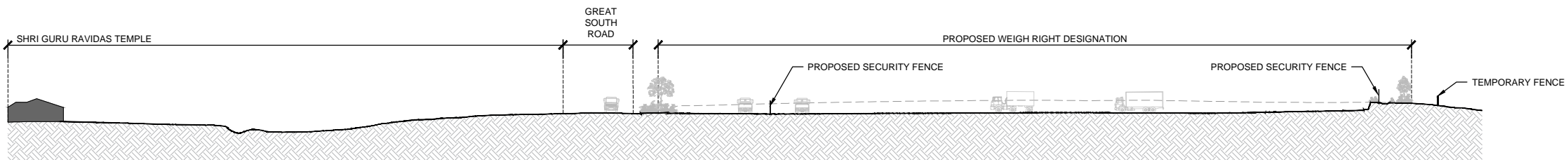
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SCALE 1:1000(A1)



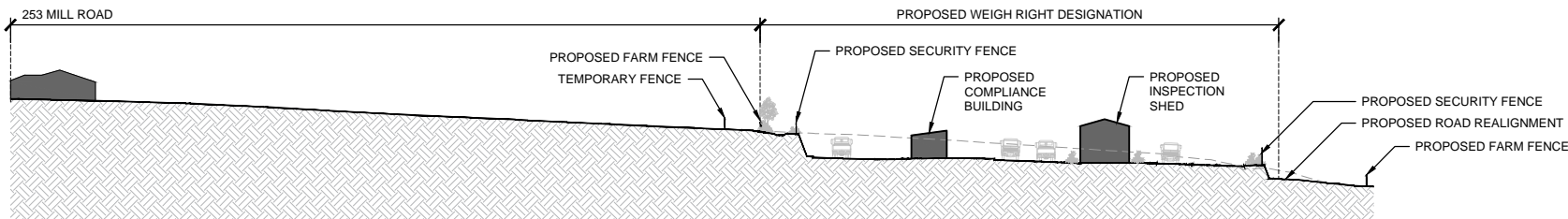
**PLAN**  
SCALE 1:2000(A1)



**SECTION B-B**  
SCALE 1:500(A1)



**LONG SECTION C-C**  
SCALE 1:500(A1)



**LONG SECTION D-D**  
SCALE 1:500(A1)

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LANDSCAPE ARCHITECTURE

SCALES	ORIGINAL SIZE	
AS SHOWN	A1	
DRAWN	DESIGNED	APPROVED
J. FRENCH	J. FRENCH	F. RAHMAN
DRAWING VERIFIED	DESIGN VERIFIED	APPROVED DATE
M. DRYSDALE	M. DRYSDALE	25/01/2024

RESOURCE CONSENT

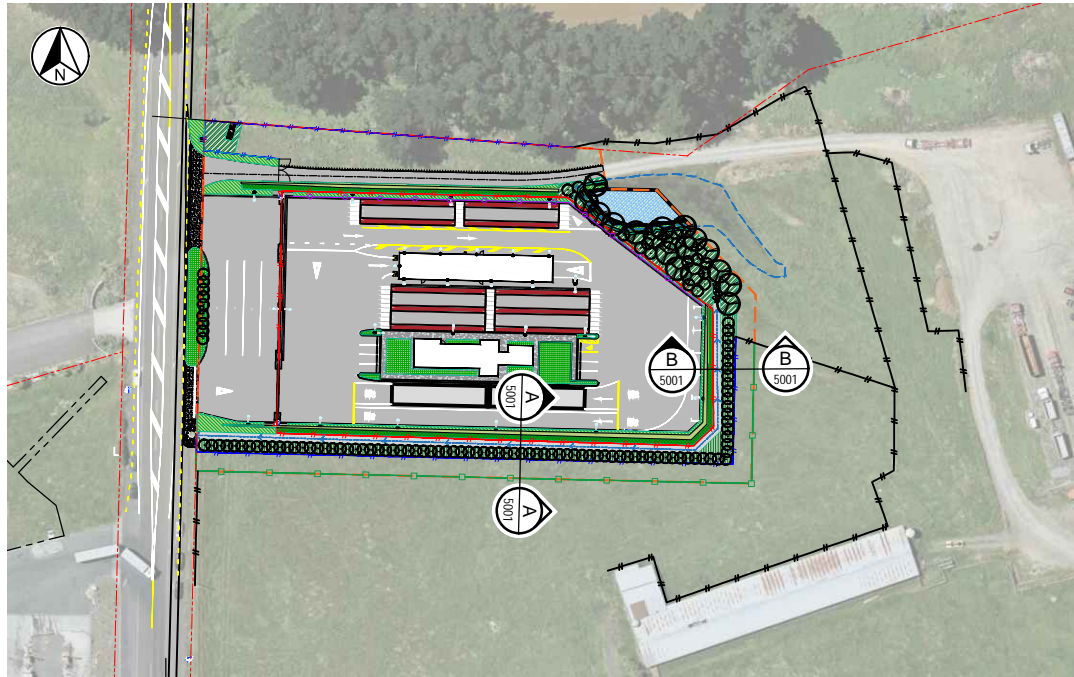
PROJECT  
WAKA KOTAHĪ NZ TRANSPORT AGENCY  
BOMBAY, AUCKLAND  
WEIGH RIGHT PROGRAMME - BOMBAY CVSC

TITLE  
LANDSCAPE SECTIONS

WSP PROJECT NO. (SUB-PROJECT)  
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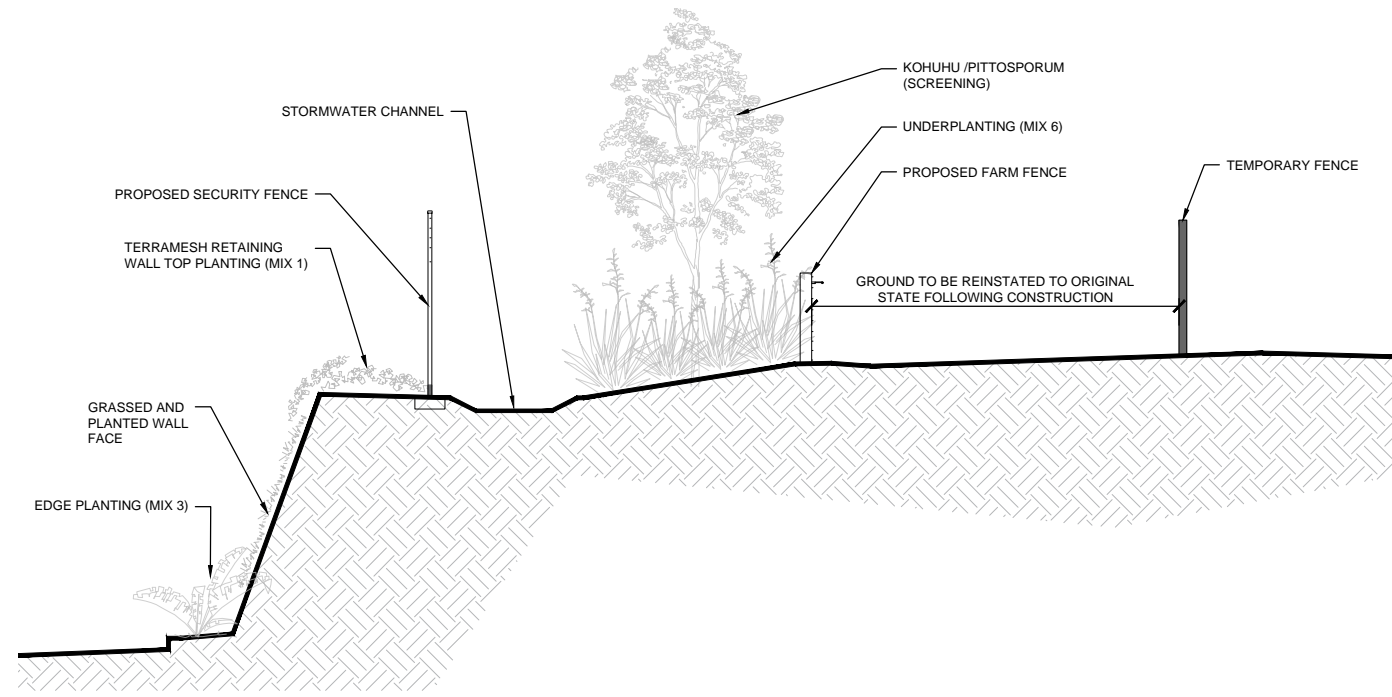
SHEET NO.  
L-5000

REVISION  
C

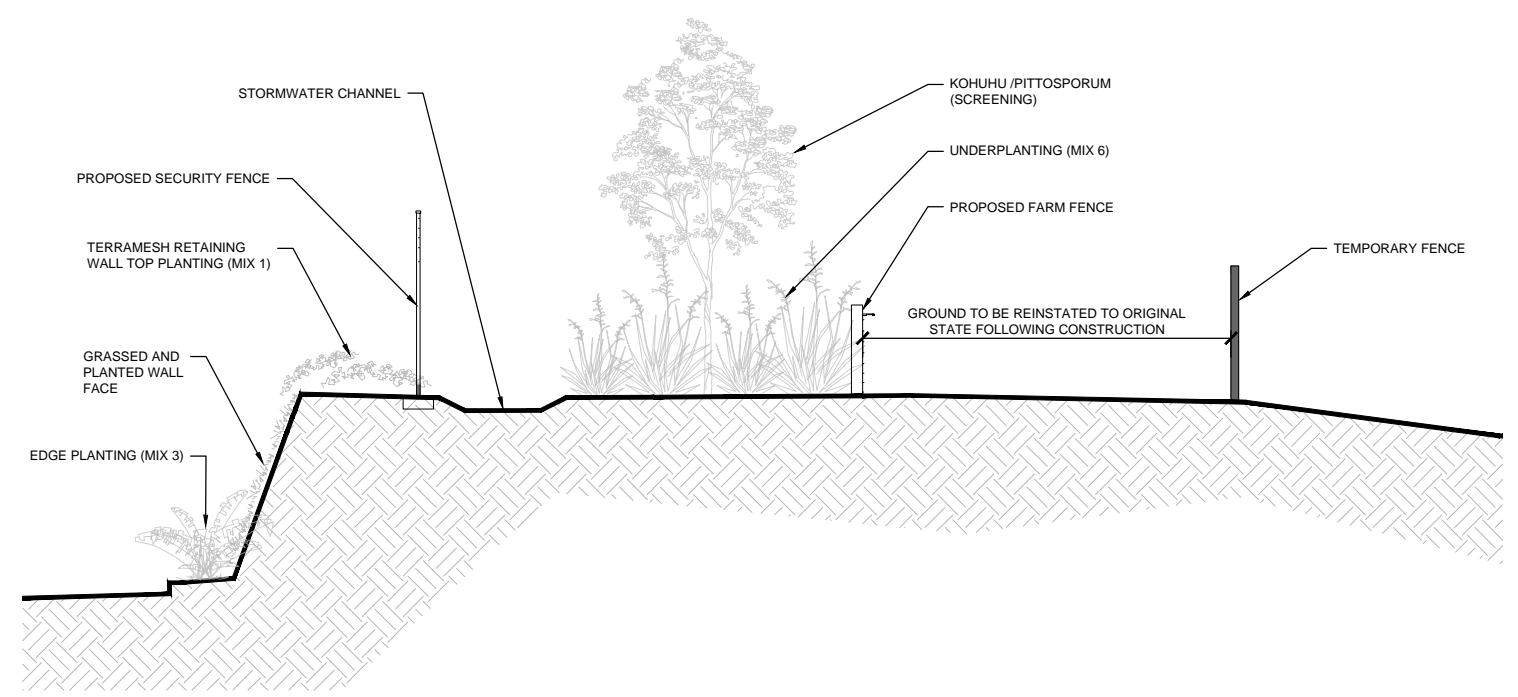


**PLAN**  
SCALE 1:2000(A1)

300 mm  
200  
100  
50  
0 10 mm



**SECTION A-A**  
SCALE 1:50(A1)



**SECTION B-B**  
SCALE 1:50(A1)

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LANDSCAPE ARCHITECTURE

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AS SHOWN	J. FRENCH	F. RAHMAN	A1
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A. LIANG	J. FRENCH	F. RAHMAN	
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M. DRYSDALE	M. DRYSDALE	25/01/2024	

RESOURCE CONSENT

PROJECT  
WAKA KOTAHI NZ TRANSPORT AGENCY  
BOMBAY, AUCKLAND  
WEIGH RIGHT PROGRAMME - BOMBAY CVSC

TITLE  
LANDSCAPE SECTIONS

WSP PROJECT NO. (SUB-PROJECT)  
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SHEET NO.  
L-5001  
REVISION  
B