

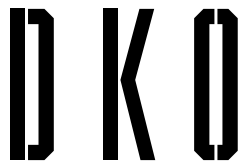
SYDNEY MAORI CULTURAL CENTRE, HYLAND ROAD RESERVE, GREYSTANES

DEVELOPMENT APPLICATION



Development Application Drawing Register		
Subset Name	Drawing ID	Drawing Name
Cover Sheets	DA0000	Cover Page
Site Plans & Analysis	DA1000	Location Plan
	DA1001	Existing Site Survey
	DA1002	Existing Site Plan
	DA1003	Site Analysis
	DA1004	Existing Streetscape and Site Photos
	DA1005	Proposed Site Plan
Whare Nui	DA2000	Ground Floor Plan
	DA2001	Level 1 Plan
	DA2002	Roof Plan
	DA2003	South Elevation
	DA2004	North Elevation
	DA2005	East Elevation
	DA2006	West Elevation
	DA2007	Whare Nui Sections
	DA2008	Whare Kai Sections
	DA2009	Whare Kura Sections
Waharoa	DA3000	Waharoa Plan
	DA3001	Waharoa Front Elevation
Finishes Schedule	DA4000	Finishes Schedule
Perspectives	DA5000	View 1
	DA5001	View 2
	DA5002	View 3
	DA5003	View 4
	DA5004	View 5

Development Summary	
Total Site Area	15.05ha
Gross Floor Area	
Whare Kai	301.80
Whare Kura	193.03
Whare Nui	517.55
	1,012.38 m²



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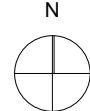
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Project Name Sydney Maori Cultural Centre
Project Number 11031
Project Address Hyland Road Reserve
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Lot & DP Number Lot 2 DP 525167

Drawing Name Location Plan
Drawing Number DA1000
Scale NTS @ A3
Revision Revision 1
Date 23/03/2023



DETAIL PLAN

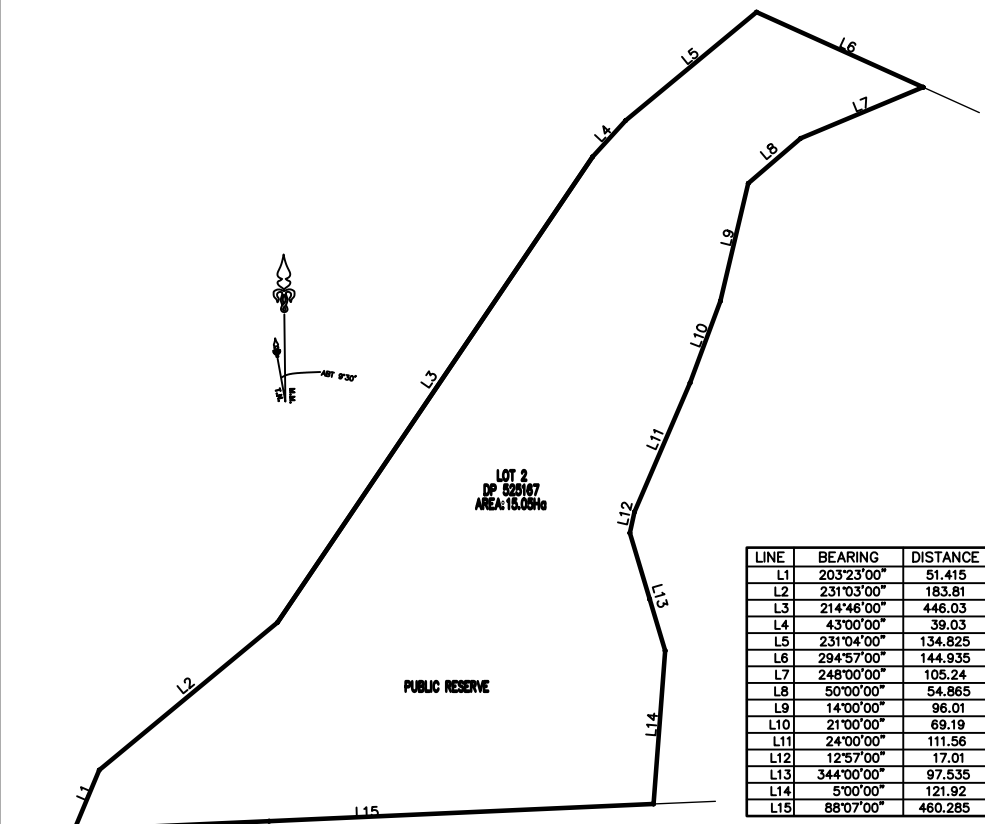
LEGEND

HYD DENOTES HYDRANT
IK DENOTES INVERT OF KERB
PP DENOTES POWER POLE
SL DENOTES SILL
TK DENOTES TOP OF KERB

NOTE:

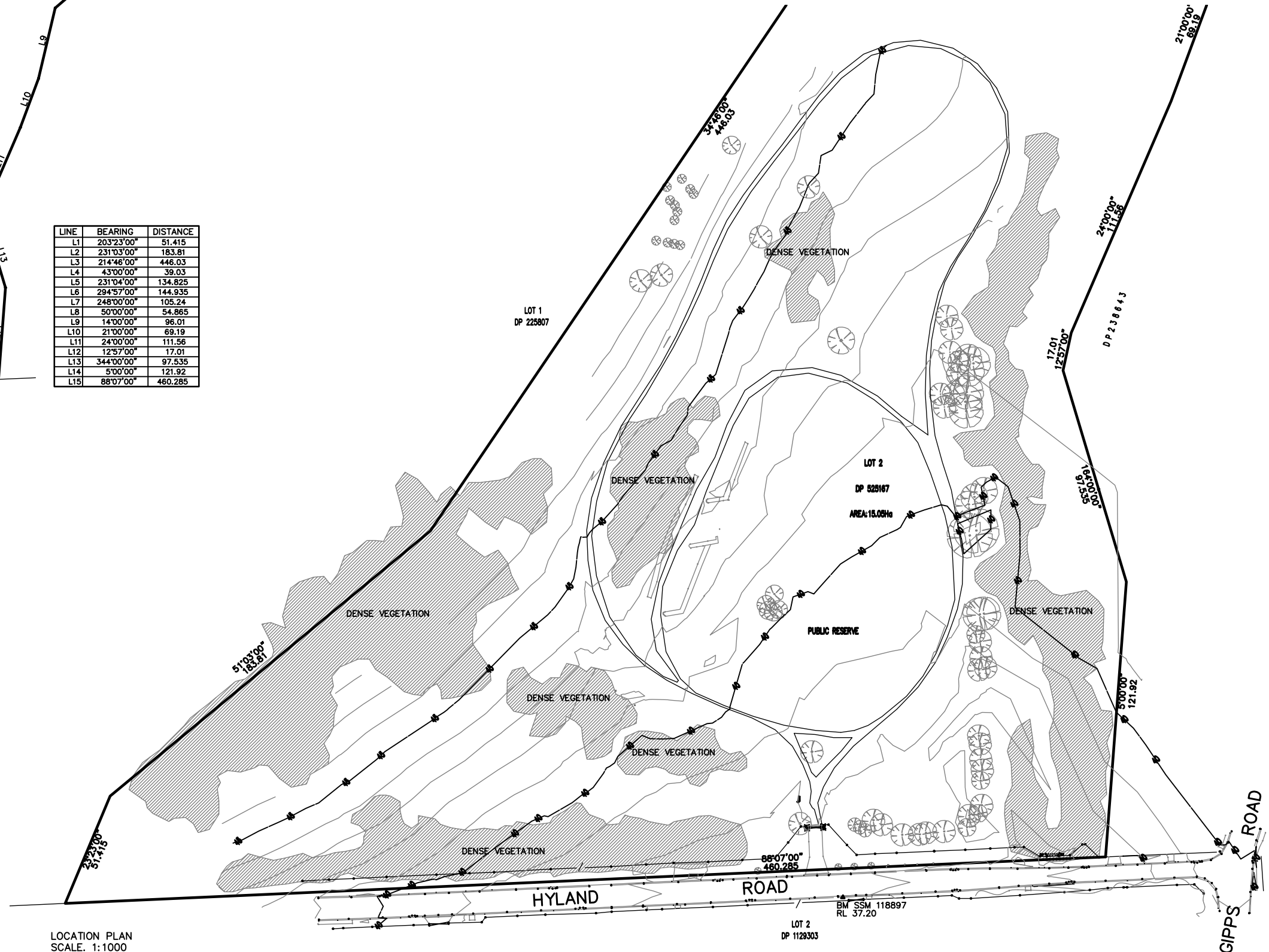
ONLY A LIMITED BOUNDARY INVESTIGATION HAS BEEN UNDERTAKEN. FURTHER SURVEY MAY BE REQUIRED FOR ANY DEVELOPMENT PLANNED CLOSE TO SITE BOUNDARIES

THIS DETAIL SURVEY IS NOT A 'SURVEY' AS DEFINED BY THE SURVEYORS ACT 1929. IF ANY CONSTRUCTION IS PLANNED IT WOULD BE ADVISABLE TO CARRY OUT FURTHER SURVEY WORK TO DETERMINE THE BOUNDARY DIMENSIONS.



BOUNDARY PLAN
SCALE: 1:3000

LOCATION PLAN
SCALE: 1:1000



CitiSrv Pty Ltd
ABN 32 122 758 276
CONSULTING SURVEYORS
35/42 SWAN AVENUE STRATHFIELD, 2135
PHONE: 9764 5880 FAX: 9764 5881
E-mail: info@citisrv.com.au

SCALE
VARIOUS
DATE OF SURVEY
15/05/2014
SURVEY
IH/BM

SHEET
1 OF 9
PLOT FILE
9588-DET
DRAWN
HJ

ISSUE
A
B

AMENDMENTS
INITIAL ISSUE
SITE VISIT / AMENDMENTS

DATED
21/05/14
11/08/22

CLIENT

Sydney Marae Alliance

DATUM

AHD

ORIGIN OF LEVELS:
PM10768
RL 38.68
DATED: 8/05/2014

PLAN

DETAIL & LEVEL
SURVEY

SITE

HYLAND ROAD RESERVE

L.G.A.

HOLDROY

PARISH

PROSPECT

COUNTY

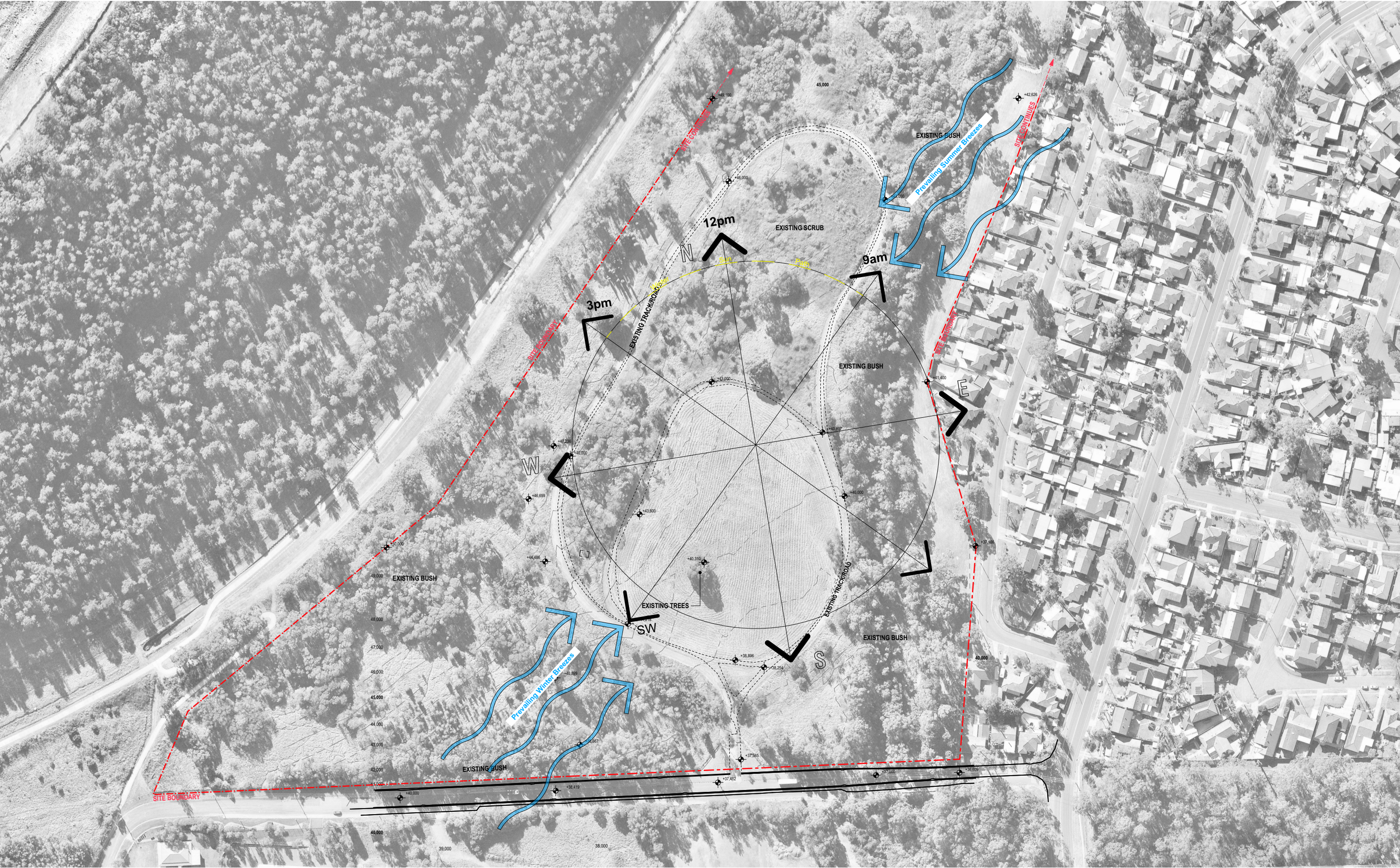
CUMBERLAND

TITLE

LOT 2
DP 525167

NOTES

1. BOUNDARIES NOT SURVEYED.
2. AREAS & DIMENSIONS COMPILED FROM PLANS OBTAINED FROM THE LAND TITLES OFFICE
3. TREE SYMBOLS ARE TO APPROXIMATE SCALE FOR TRUNK & CANOPY SPREAD
4. ALL OTHER SYMBOLS ARE NOT TO SCALE AND ARE DIAGRAMMATIC ONLY.
5. NO SERVICES SEARCH HAS BEEN UNDERTAKEN.
6. ONLY VISIBLE ABOVE GROUND SERVICES HAVE BEEN LOCATED.
7. ALL KERB LEVELS ARE ON THE TOP OF KERB UNLESS OTHERWISE STATED.
8. PLAN IS ACCURATE TO PLOT SCALE ONLY.
9. PLAN IS TO BE USED FOR DETAIL PURPOSES ONLY.
10. CONTOUR INTERVAL: 0.5m





VIEW FROM HYLAND ROAD



SUBJECT SITE FROM HYLAND ROAD ENTRY



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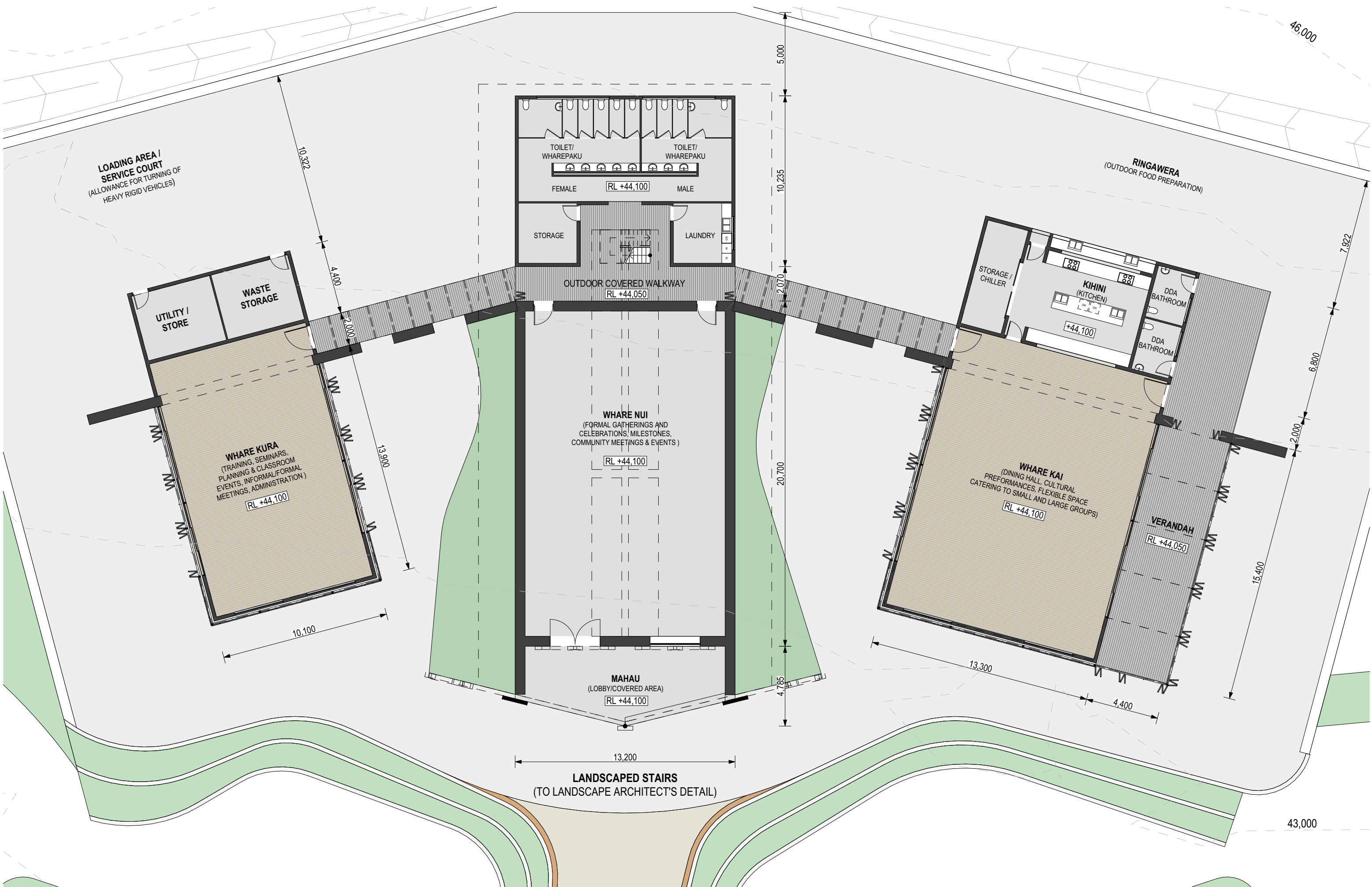
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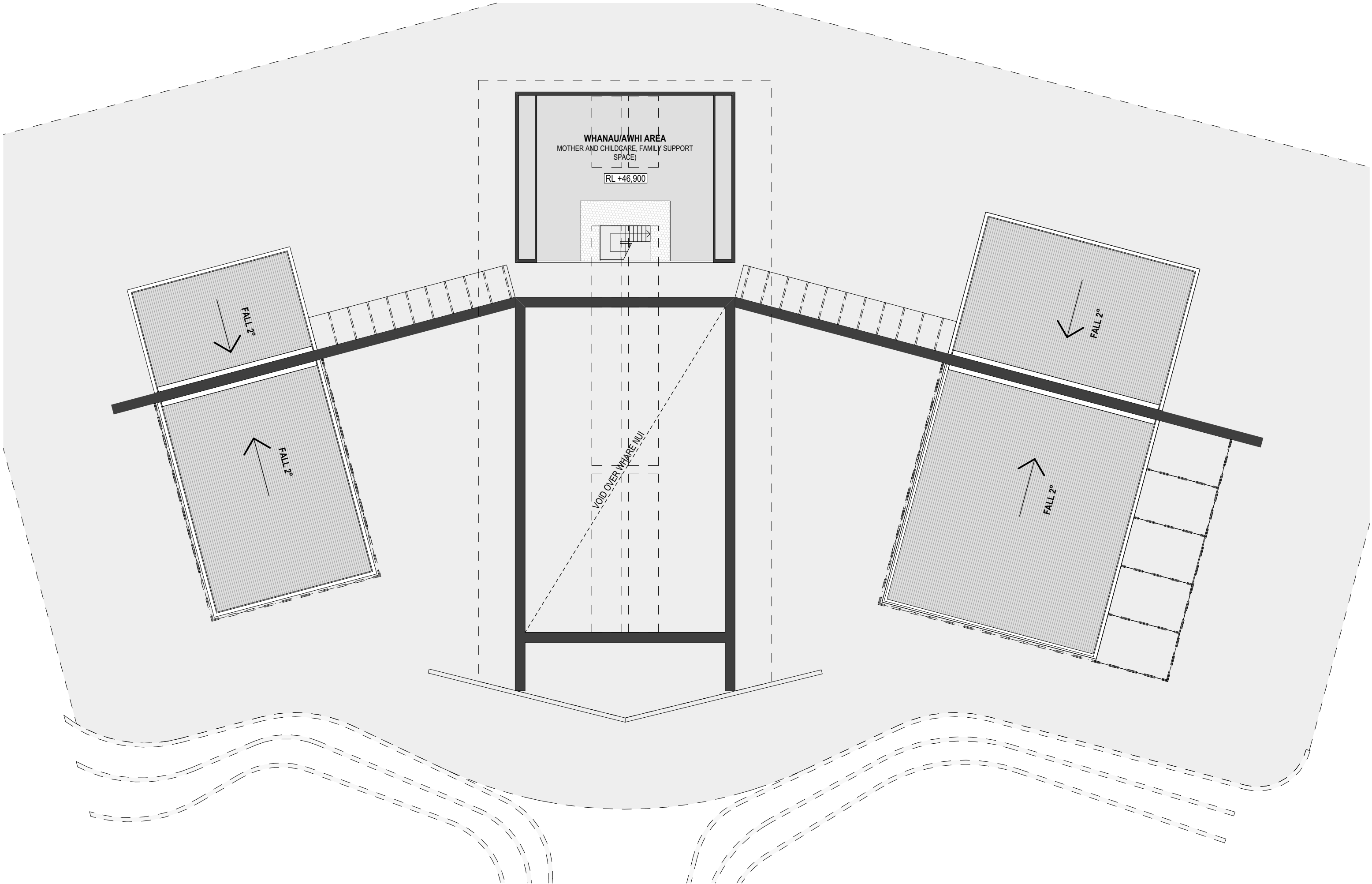
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Project Number 11031
Project Address Hyland Road Reserve
Greystanes NSW 2145
Lot & DP Number Lot 2 DP 525167

Drawing Name Existing Streetscape and Site Photos
Drawing Number **DA1004**
Scale 1:18.18 @ A3
Revision Revision 1
Date 23/03/2023





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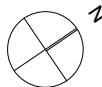
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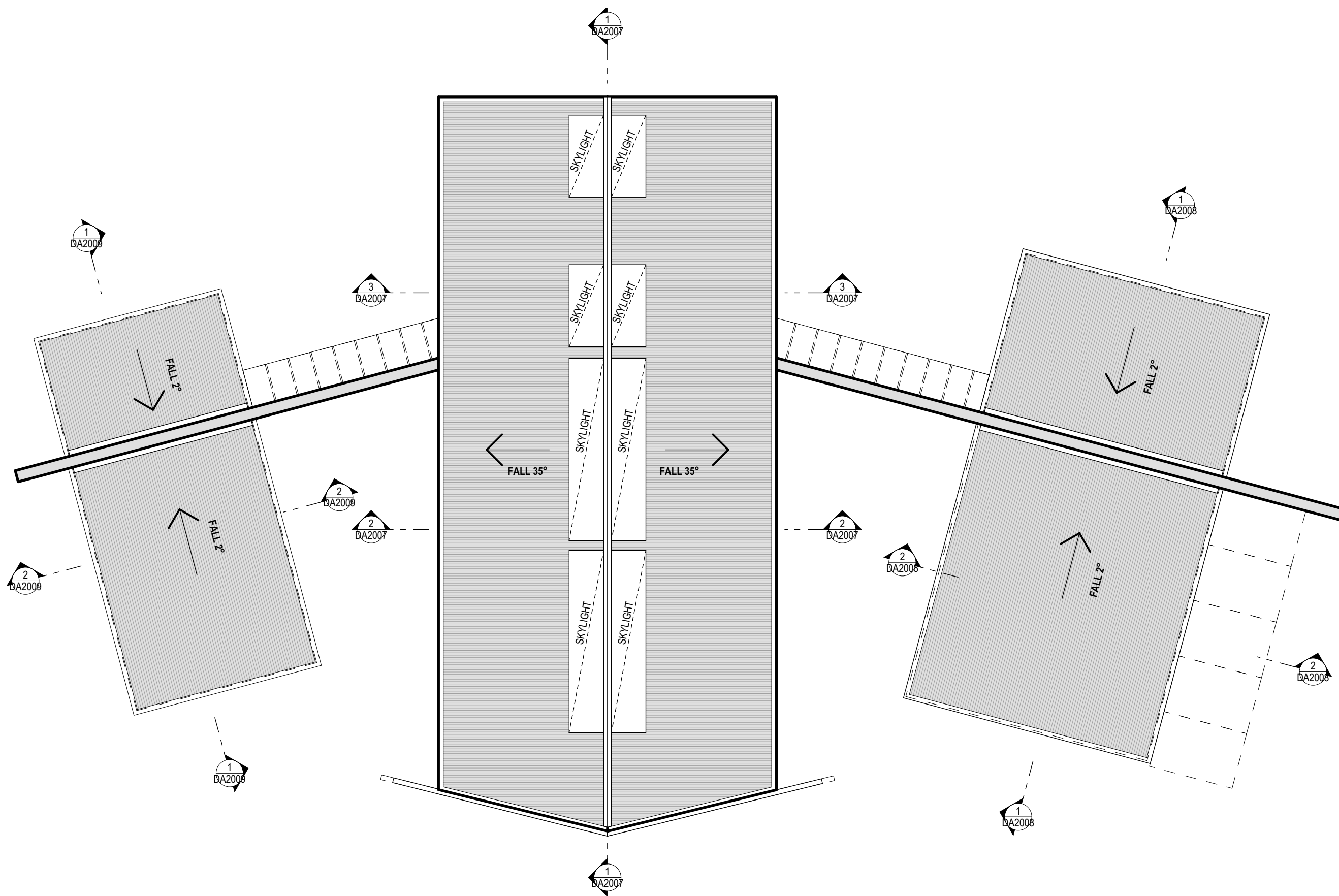
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Project Address Hyland Road Reserve
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Lot & DP Number Lot 2 DP 525167

Drawing Name Level 1 Plan
Drawing Number DA2001
Scale 1:200 @ A3
Revision Revision 3
Date 9/01/2024





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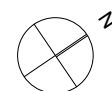
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Project Number 11031
Project Address Hyland Road Reserve
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Lot & DP Number Lot 2 DP 525167

Drawing Name Roof Plan
Drawing Number DA2002
Scale 1:200 @ A3
Revision Revision 1
Date 23/03/2023





1 South Elevation
1:200

FINISHES LEGEND:

- 1 - RAMMED EARTH WALL
- 2 - CARVED TIMBER STRUCTURES
- 3 - CLEAR GLAZING
- 4 - COLORBOND ROOFING / CLADDING
- 5 - PERFORATED STEEL MESH PANELS
- 6 - RENDERED AND PAINTED
- 7 - DARK PAINT
- 8 - SKYLIGHT

*REFER TO FINISHES SCHEDULE FOR FURTHER DETAIL



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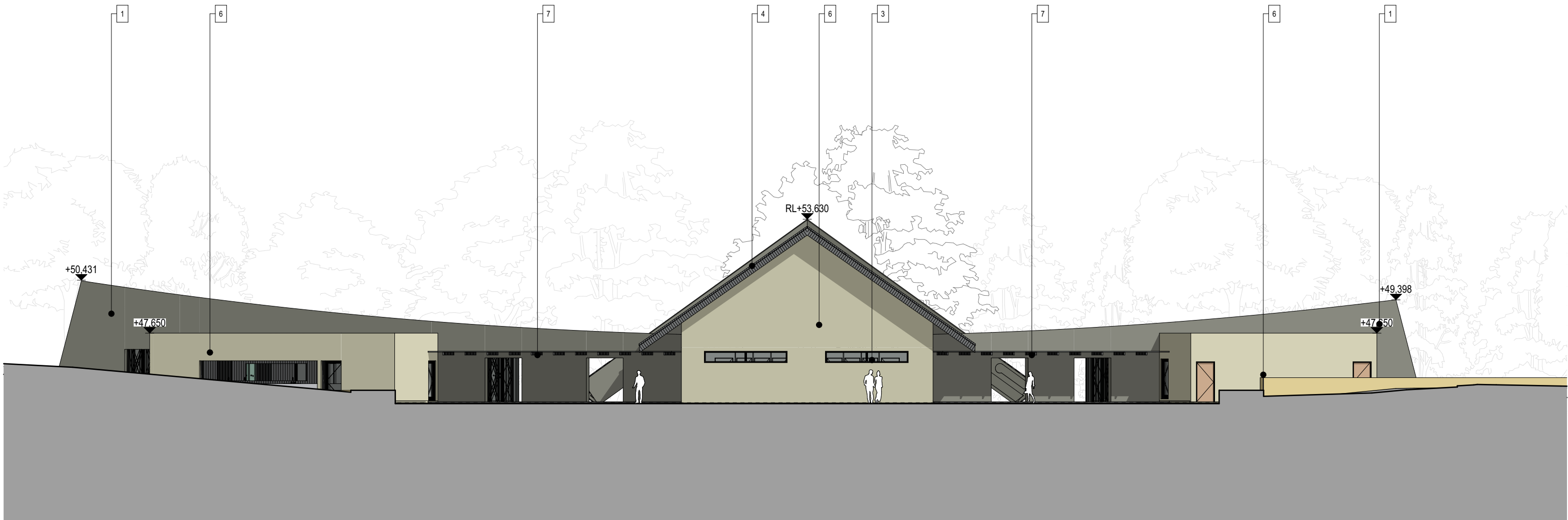
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Project Name Sydney Maori Cultural Centre
Project Number 11031
Project Address Hyland Road Reserve
Greystanes NSW 2145
Lot & DP Number Lot 2 DP 525167

Drawing Name South Elevation
Drawing Number DA2003
Scale 1:200 @ A3
Revision Revision 2
Date 9/01/2024



1 North Elevation
1:200

FINISHES LEGEND:

- 1 - RAMMED EARTH WALL
- 2 - CARVED TIMBER STRUCTURES
- 3 - CLEAR GLAZING
- 4 - COLORBOND ROOFING / CLADDING
- 5 - PERFORATED STEEL MESH PANELS
- 6 - RENDERED AND PAINTED
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Lot & DP Number Lot 2 DP 525167

Drawing Name North Elevation
Drawing Number **DA2004**
Scale 1:200 @ A3
Revision Revision 2
Date 9/01/2024



1 East Elevation
1:200

FINISHES LEGEND:

- 1 - RAMMED EARTH WALL
- 2 - CARVED TIMBER STRUCTURES
- 3 - CLEAR GLAZING
- 4 - COLORBOND ROOFING / CLADDING
- 5 - PERFORATED STEEL MESH PANELS
- 6 - RENDERED AND PAINTED
- 7 - DARK PAINT
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Lot & DP Number Lot 2 DP 525167

Drawing Name East Elevation
Drawing Number DA2005
Scale 1:200 @ A3
Revision Revision 2
Date 9/01/2024



1

West Elevation
1:200

FINISHES LEGEND:

- 1 - RAMMED EARTH WALL
- 2 - CARVED TIMBER STRUCTURES
- 3 - CLEAR GLAZING
- 4 - COLORBOND ROOFING / CLADDING
- 5 - PERFORATED STEEL MESH PANELS
- 6 - RENDERED AND PAINTED
- 7 - DARK PAINT
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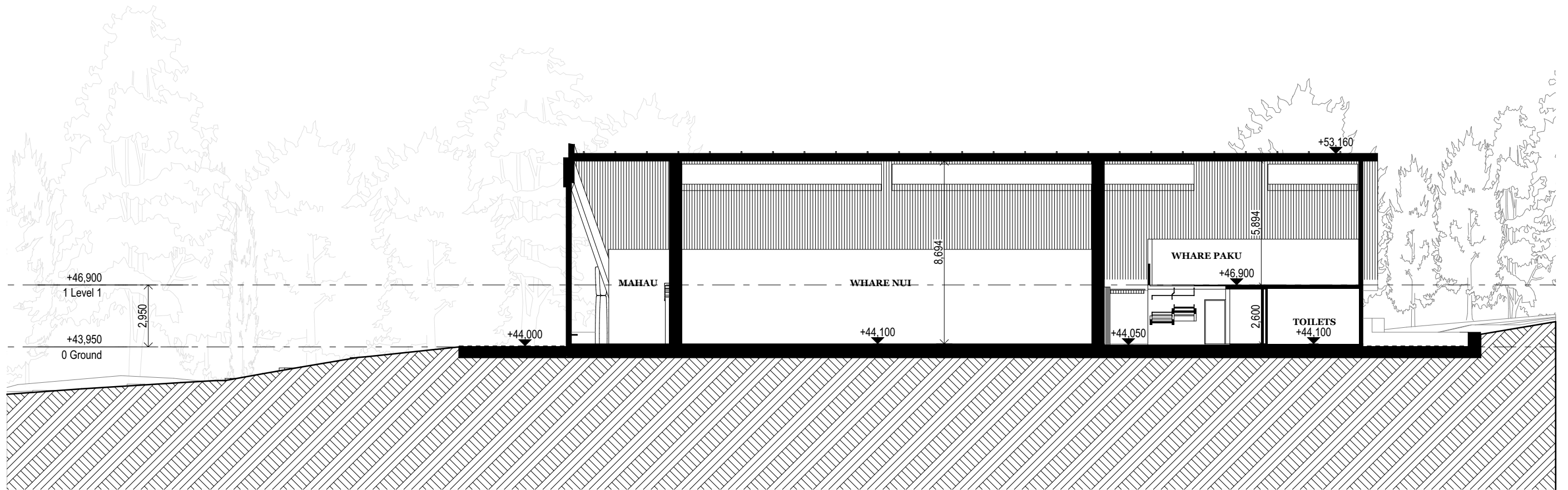
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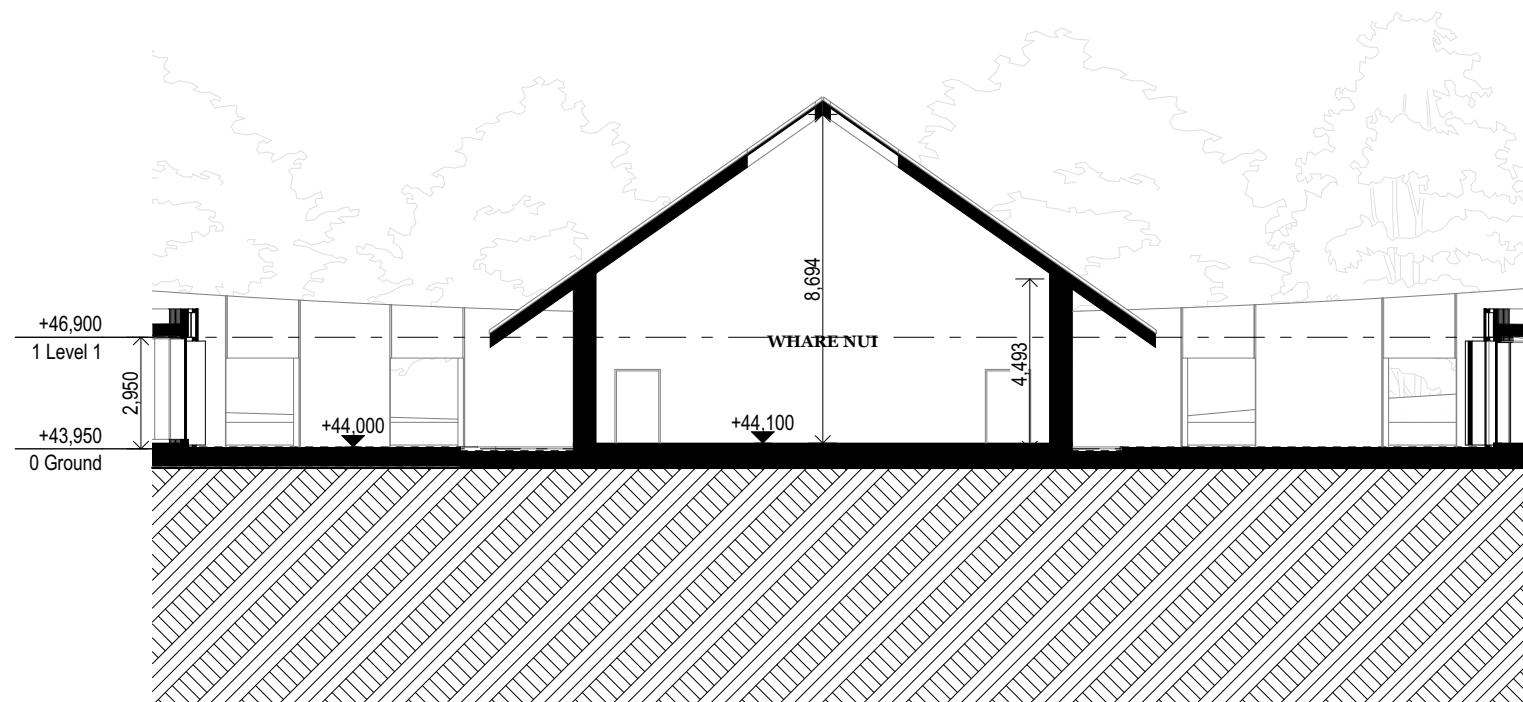


Project Name Sydney Maori Cultural Centre
Project Number 11031
Project Address Hyland Road Reserve
Greystanes NSW 2145
Lot & DP Number Lot 2 DP 525167

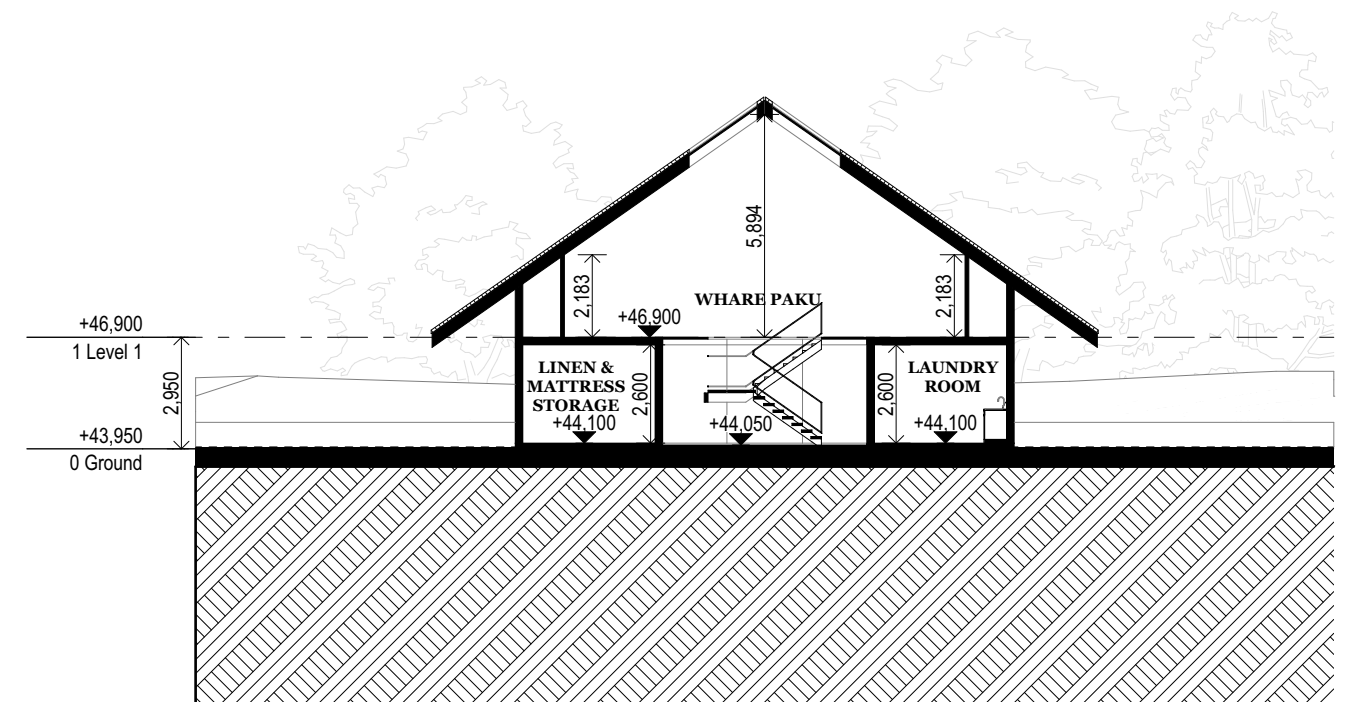
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Drawing Number **DA2006**
Scale 1:200 @ A3
Revision Revision 2
Date 9/01/2024



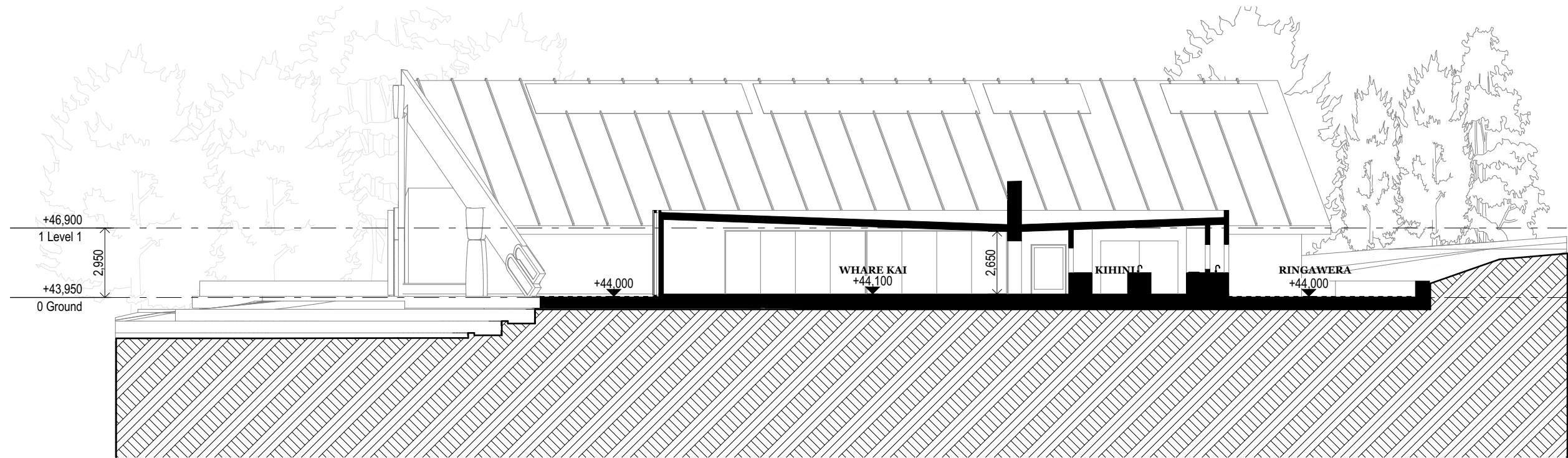
1 Section A - Whare Nui
1:200



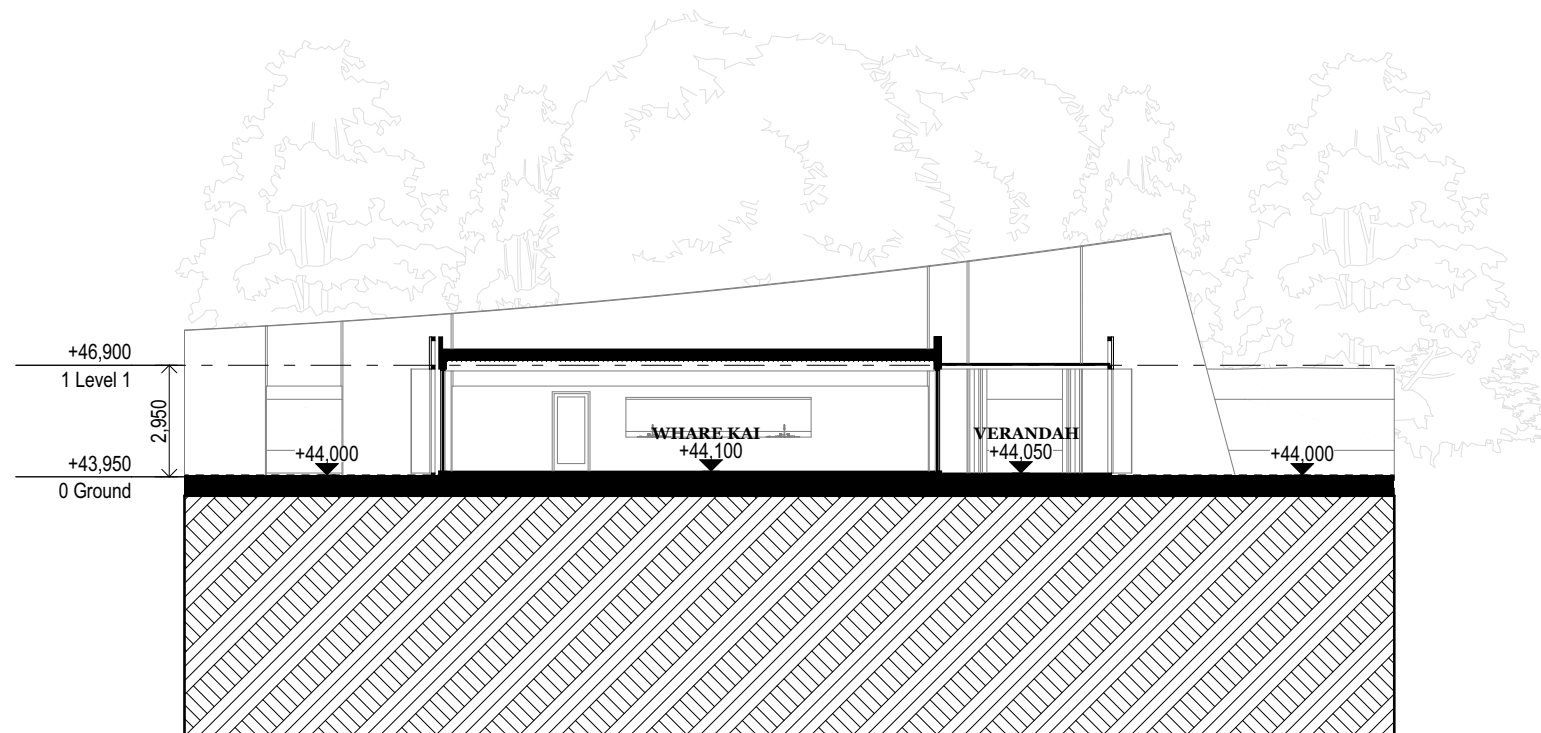
2 Section B - Whare Nui
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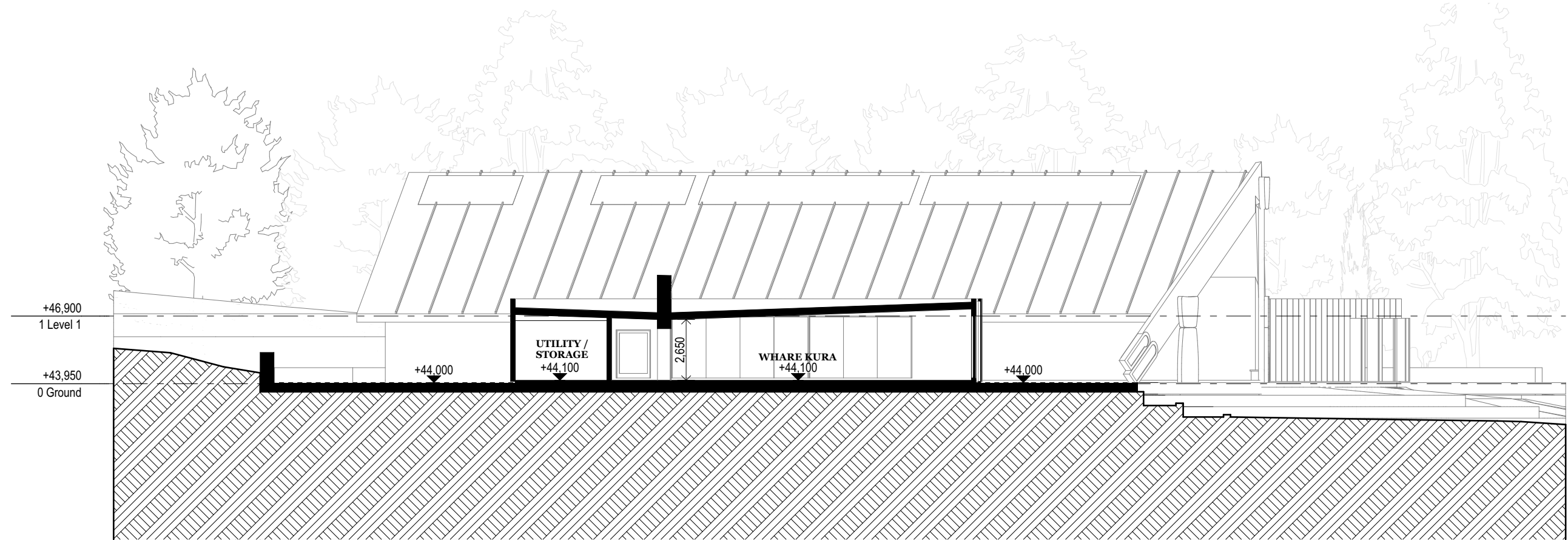
3 Section C - Whare Nui
1:200



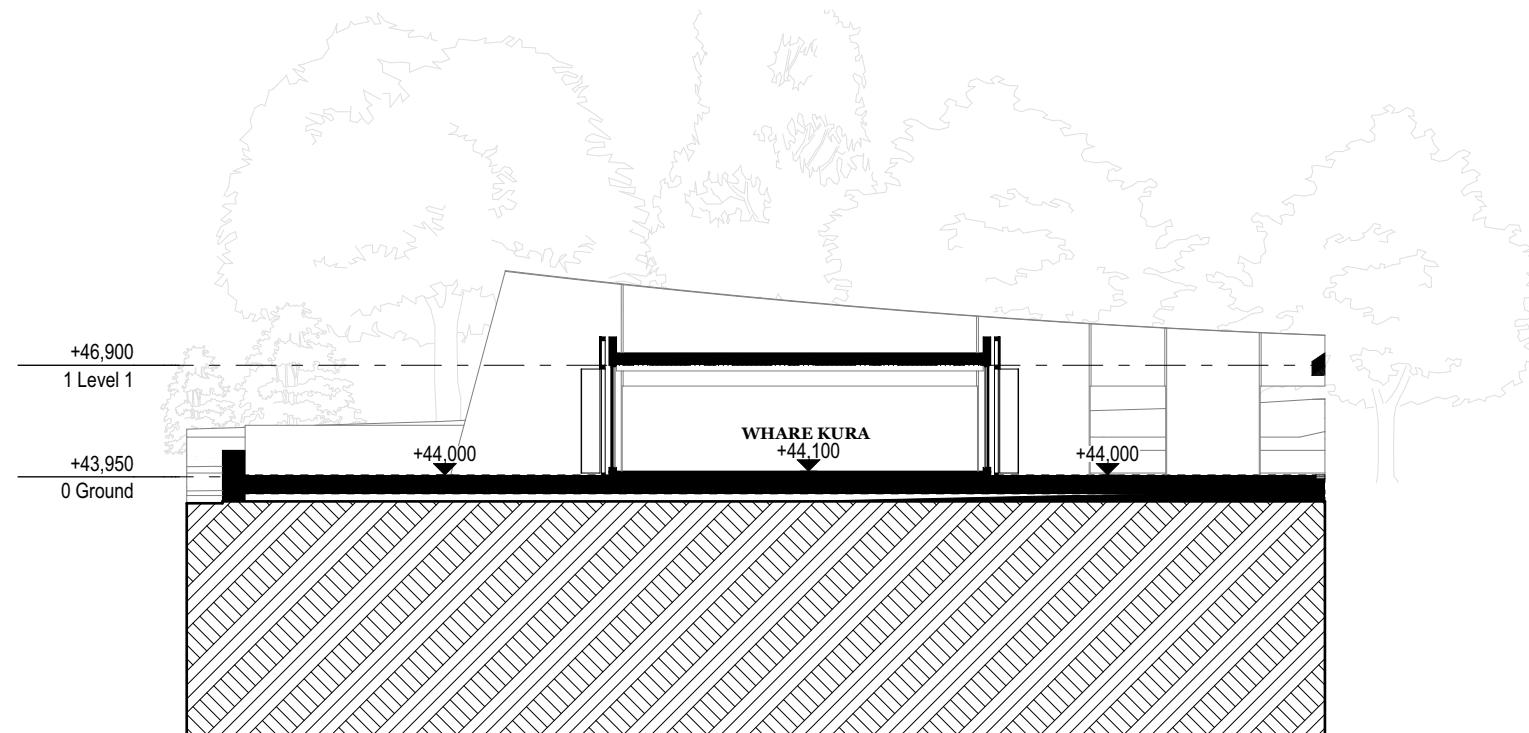
1 Section D - Whare Kai
1:200



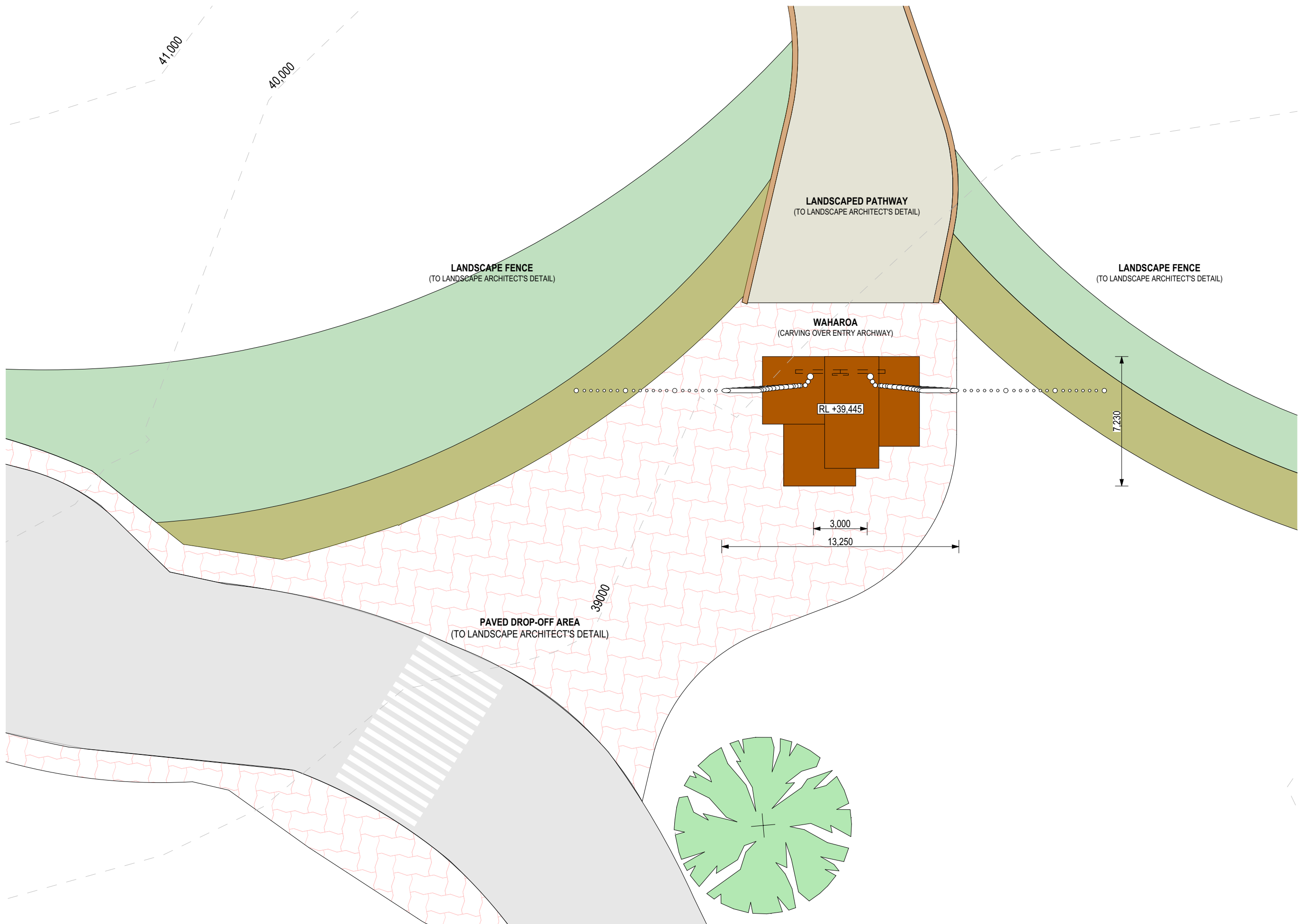
2 Section E - Whare Kai
1:200

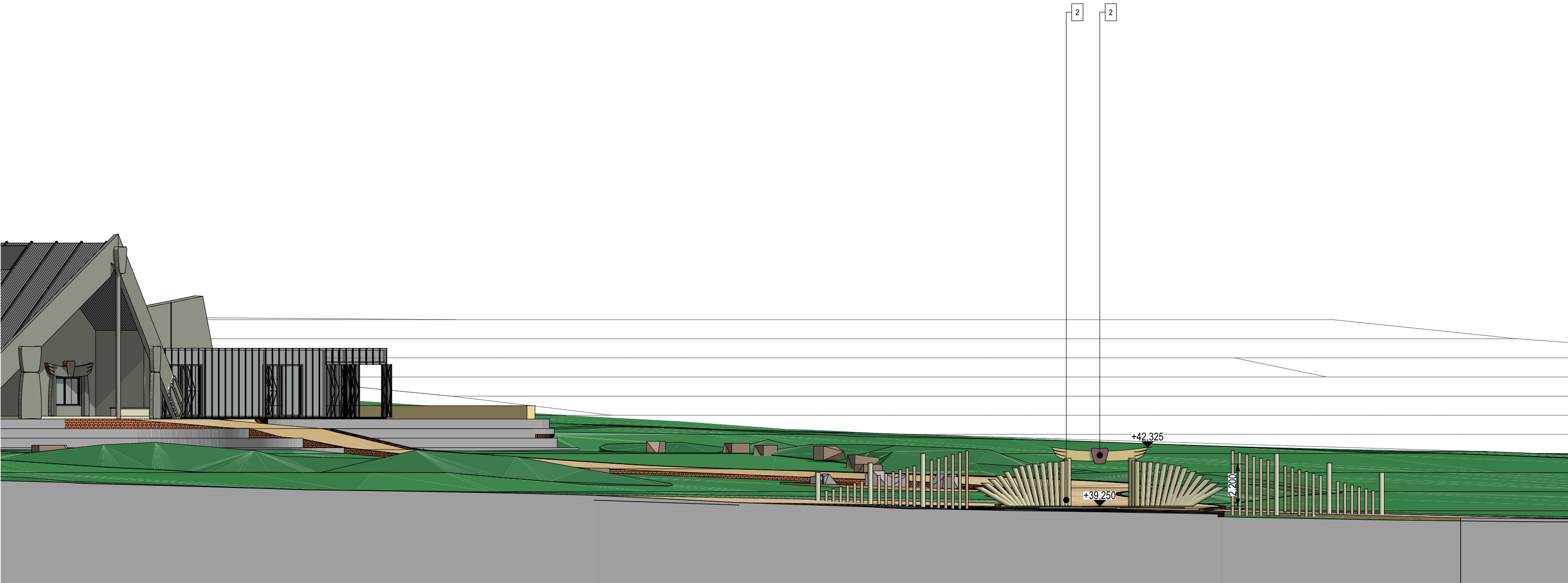


1 Section F - Whare Kura
1:200



2 Section G - Whare Kura
1:200





1 Waharoa Front Elevation
1:200

FINISHES LEGEND:

- 1 - RAMMED EARTH WALL
- 2 - CARVED TIMBER STRUCTURES
- 3 - CLEAR GLAZING
- 4 - COLORBOND ROOFING / CLADDING
- 5 - PERFORATED STEEL MESH PANELS
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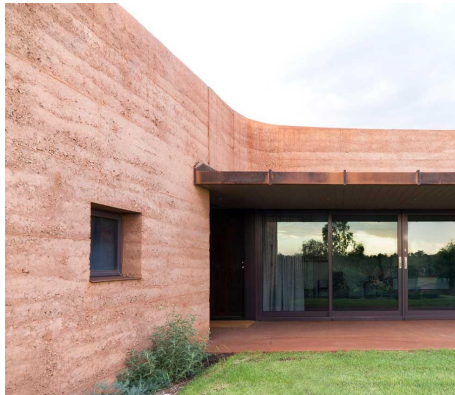


Project Name Sydney Maori Cultural Centre
Project Number 11031
Project Address Hyland Road Reserve
Greystanes NSW 2145
Lot & DP Number Lot 2 DP 525167

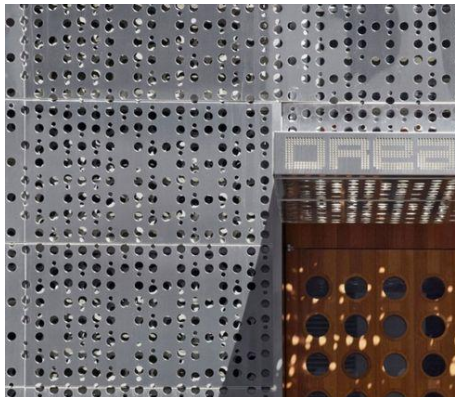
Drawing Name Waharoa Front Elevation
Drawing Number **DA3001**
Scale 1:200 @ A3
Revision Revision 1
Date 23/03/2023

FINISHES LEGEND:

- 1 - RAMMED EARTH WALL
- 2 - CARVED TIMBER STRUCTURES
- 3 - CLEAR GLAZING
- 4 - COLORBOND ROOFING / CLADDING
- 5 - PERFORATED STEEL MESH PANELS
- 6 - RENDERED AND PAINTED
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- 8 - SKYLIGHT



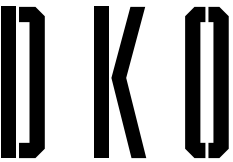
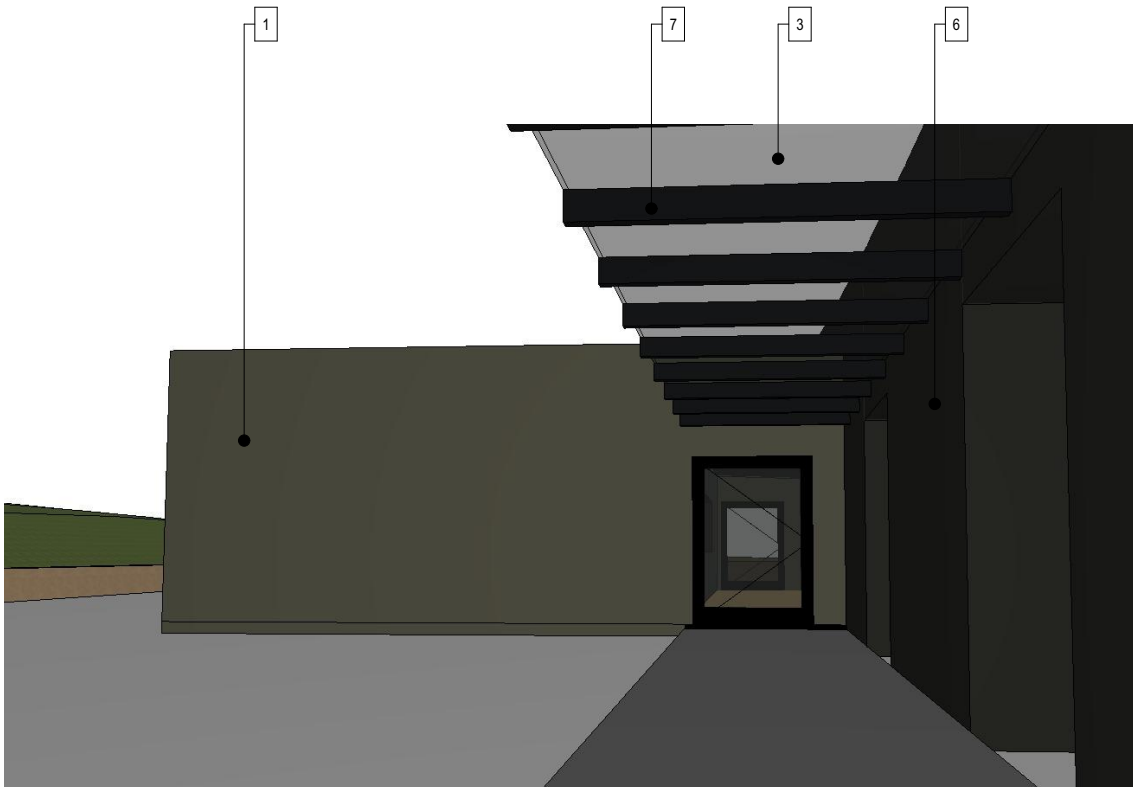
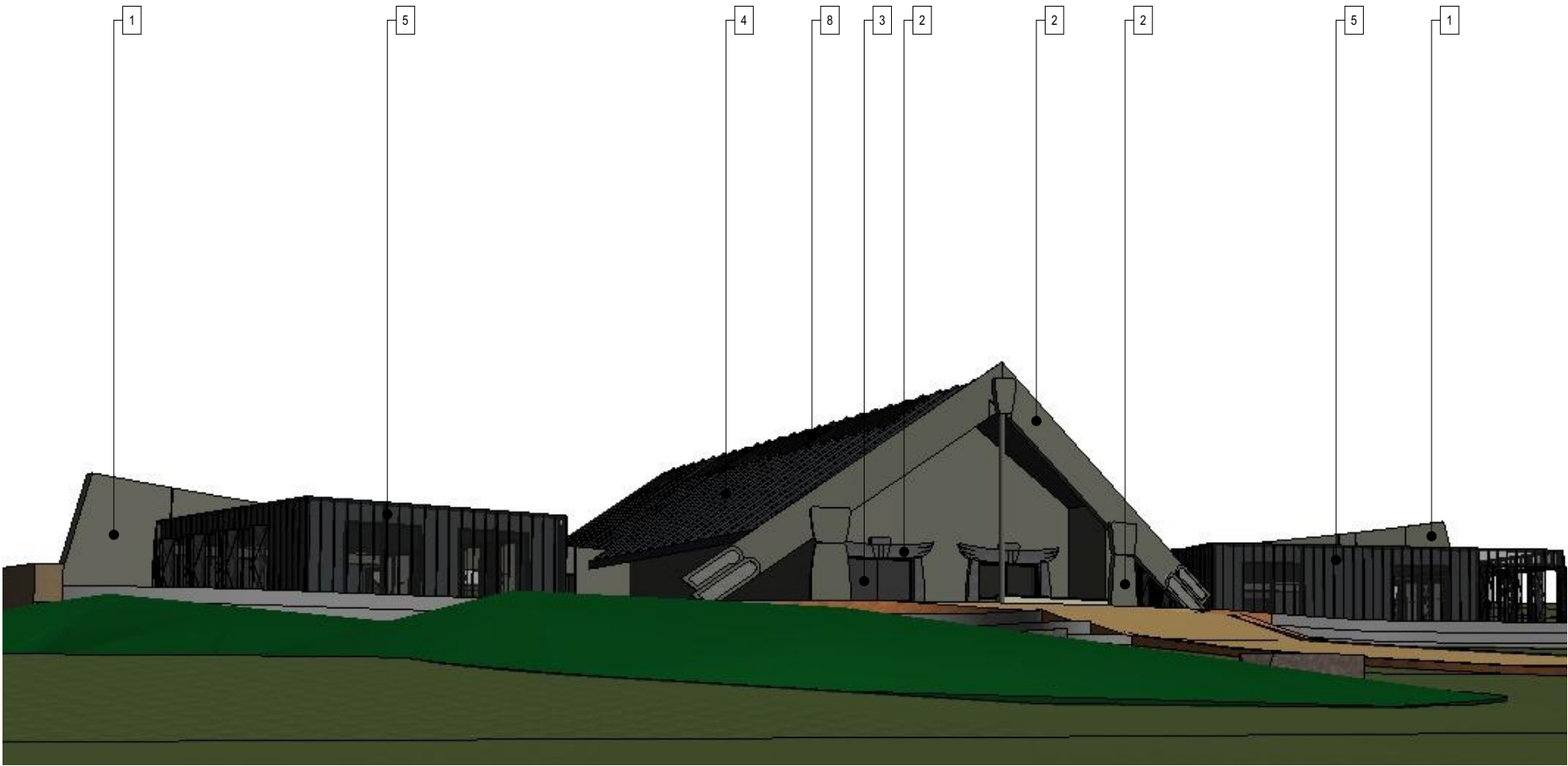
1 - RAMMED EARTH WALL



5 - PERFORATED STEEL MESH



4 - MONUMENT COLORBOND STANDING SEAM CLADDING



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Project Address Hyland Road Reserve
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Lot & DP Number Lot 2 DP 525167

Drawing Name Finishes Schedule
Drawing Number DA4000
Scale NTS
Revision Revision 1
Date 23/03/2023



SOUTHERN VIEW FROM WAHAROA



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Project Number 11031
Project Address Hyland Road Reserve
Greystanes NSW 2145
Lot & DP Number Lot 2 DP 525167

Drawing Name View 1
Drawing Number DA5000
Scale 1:1.96 @ A3
Revision Revision 1
Date 23/03/2023



WHARE NUI AND WHARE KAI



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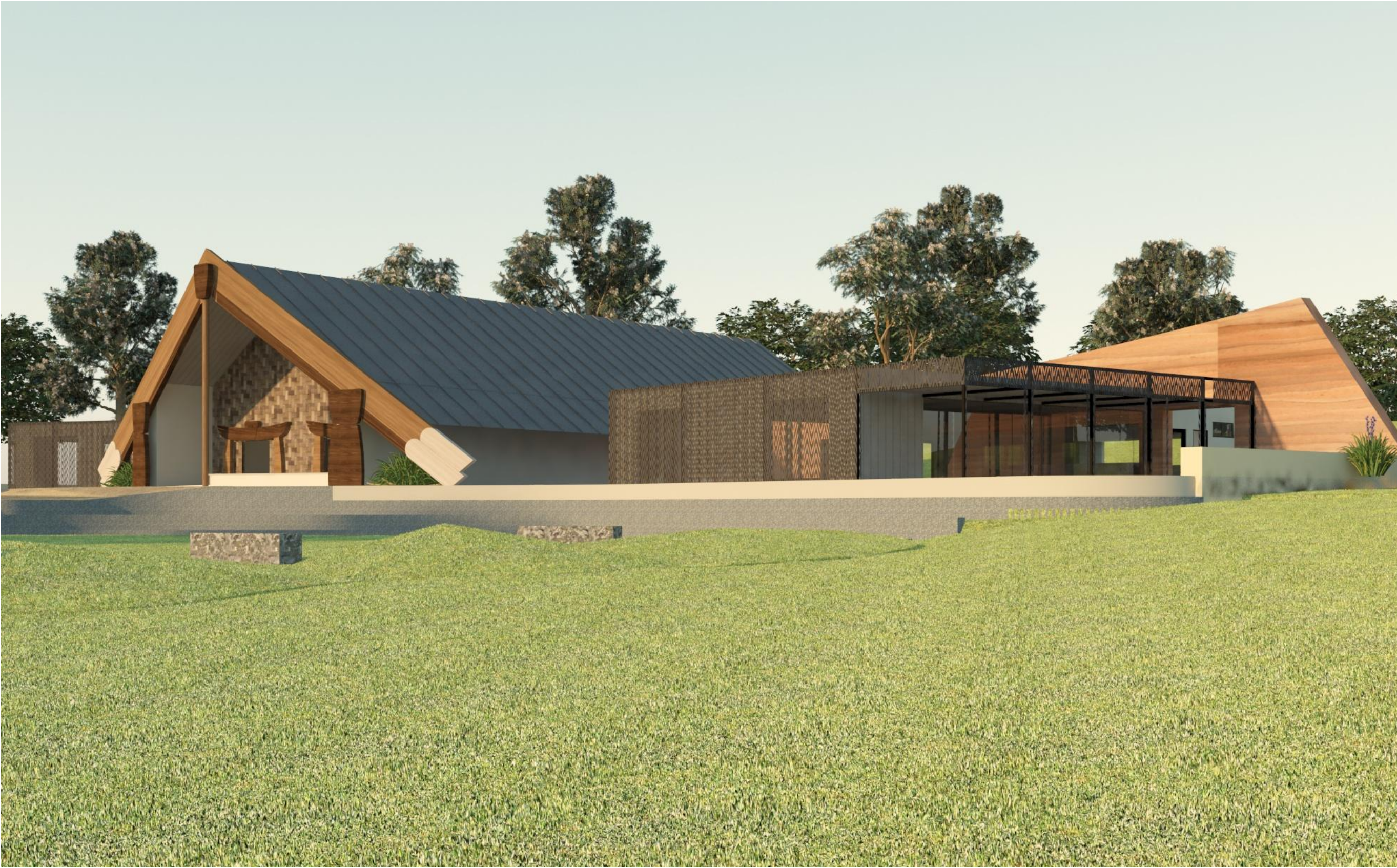
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Project Number 11031
Project Address Hyland Road Reserve
Greystanes NSW 2145
Lot & DP Number Lot 2 DP 525167

Drawing Name View 2
Drawing Number DA5001
Scale 1:1.92 @ A3
Revision Revision 1
Date 23/03/2023



WHARE NUI AND WHARE KAI



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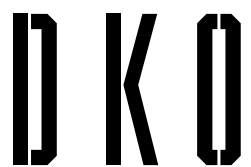


Project Name Sydney Maori Cultural Centre
Project Number 11031
Project Address Hyland Road Reserve
Greystanes NSW 2145
Lot & DP Number Lot 2 DP 525167

Drawing Name View 3
Drawing Number DA5002
Scale 1:1.93 @ A3
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WHARE NUI



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Project Number 11031
Project Address Hyland Road Reserve
Greystanes NSW 2145
Lot & DP Number Lot 2 DP 525167

Drawing Name View 4
Drawing Number **DA5003**
Scale 1:1.92 @ A3
Revision Revision 1
Date 23/03/2023



SOUTHERN PEDESTRIAN APPROACH TO WHARE NUI



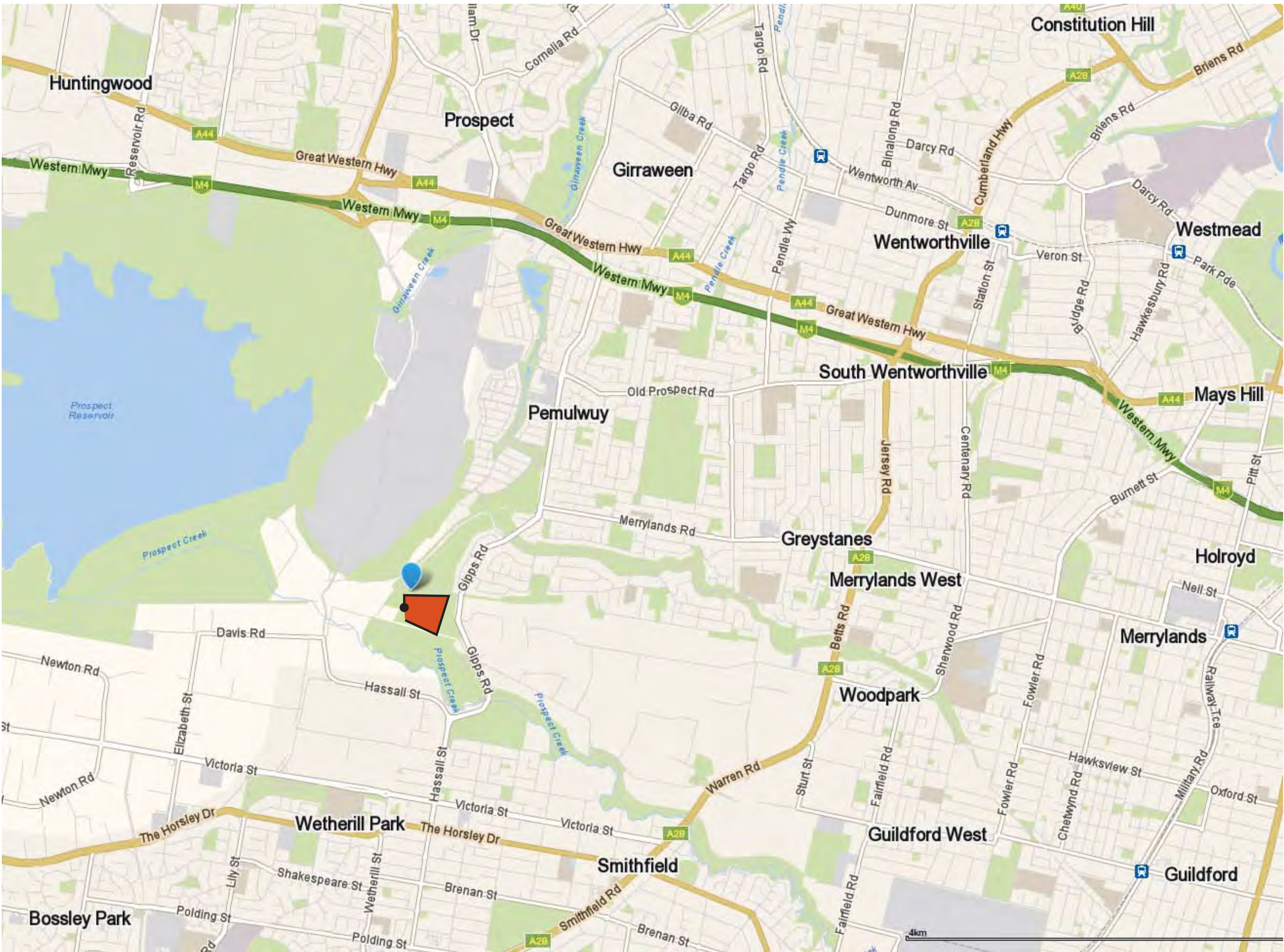
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Project Number 11031
Project Address Hyland Road Reserve
Greystanes NSW 2145
Lot & DP Number Lot 2 DP 525167

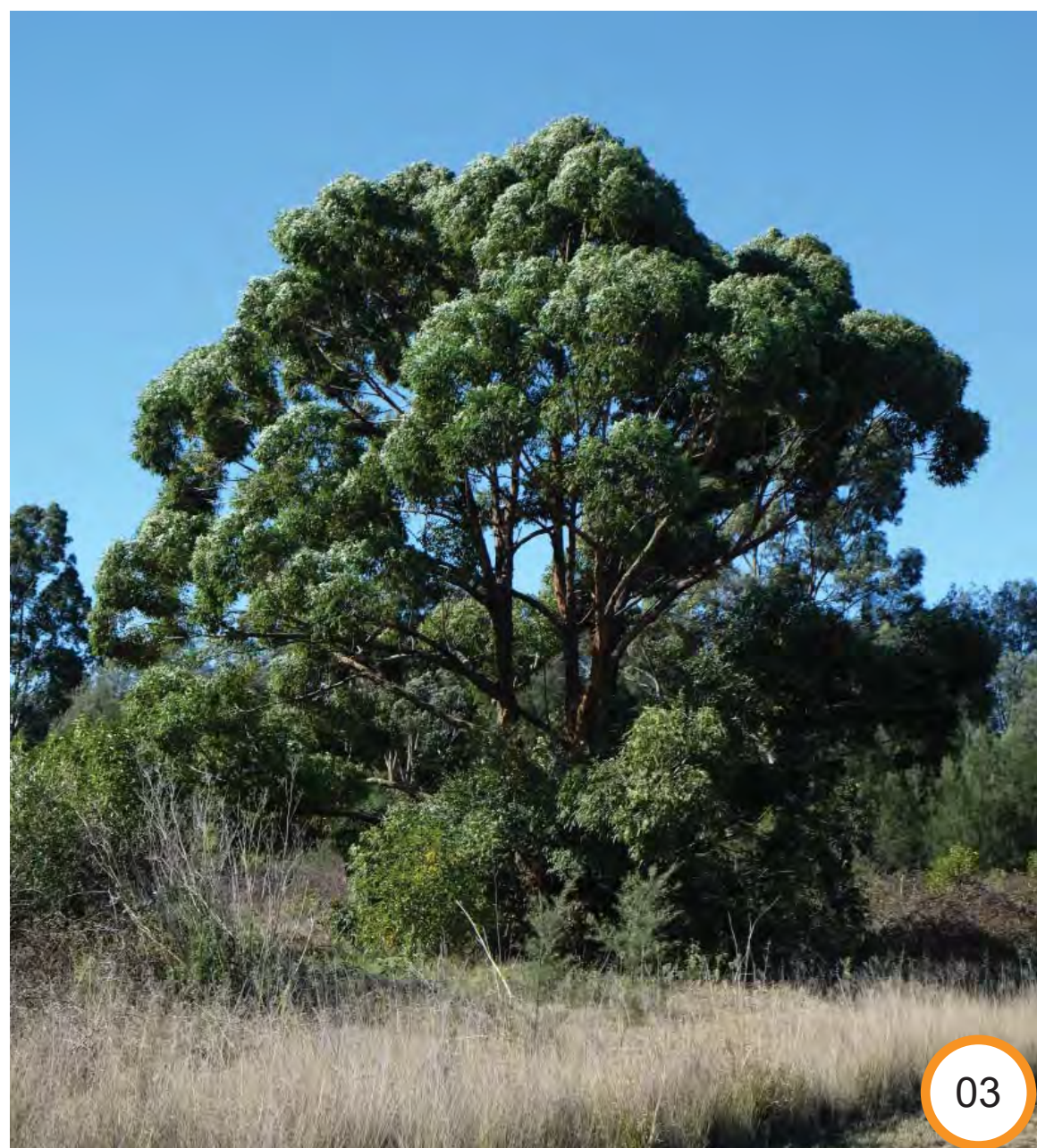
Drawing Name View 5
Drawing Number DA5004
Scale 1:1.14 @ A3
Revision Revision 1
Date 23/03/2023



LOCALITY MAP: Boothtown Reserve, Hylands Road , Greystanes, NSW 2145

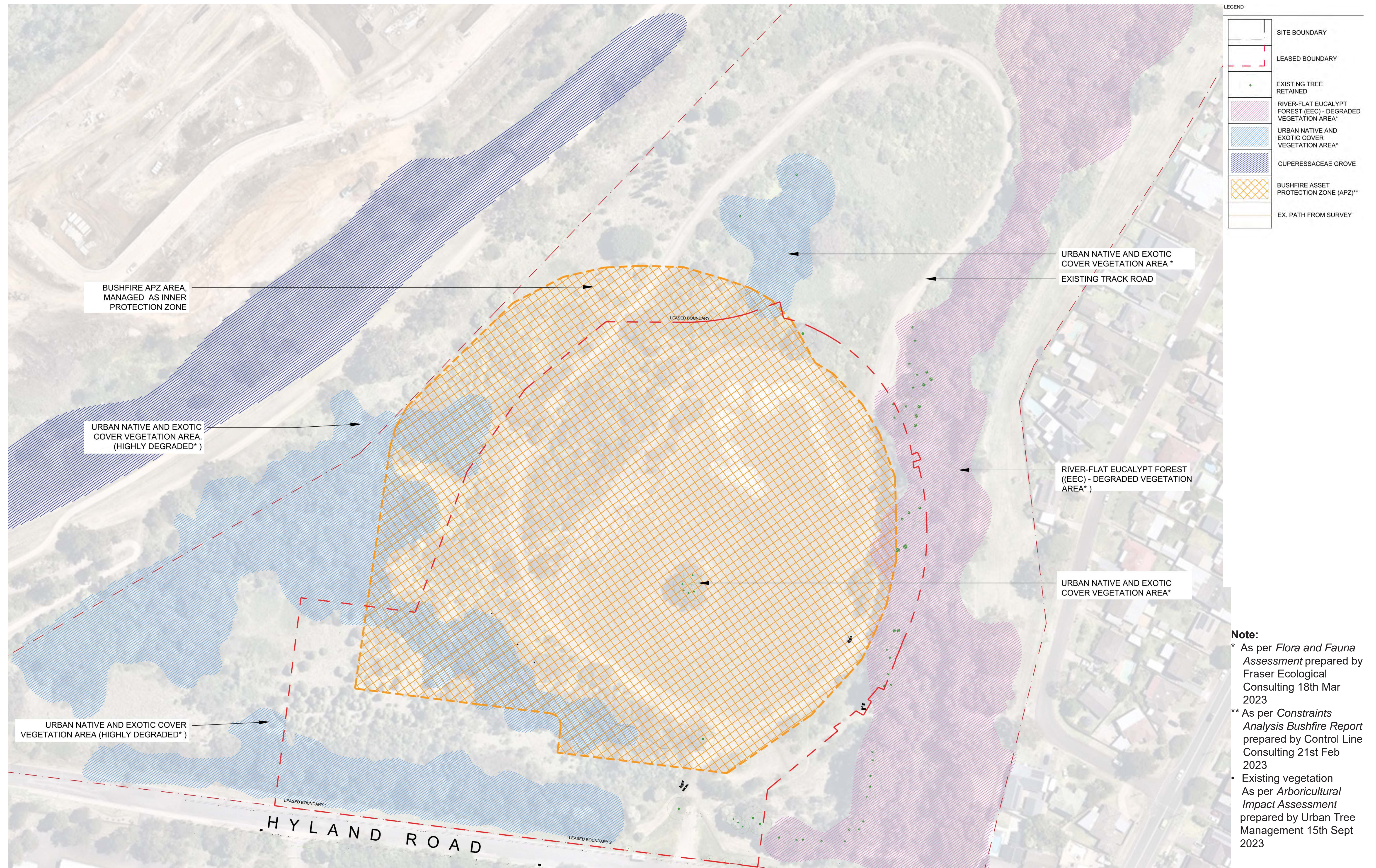


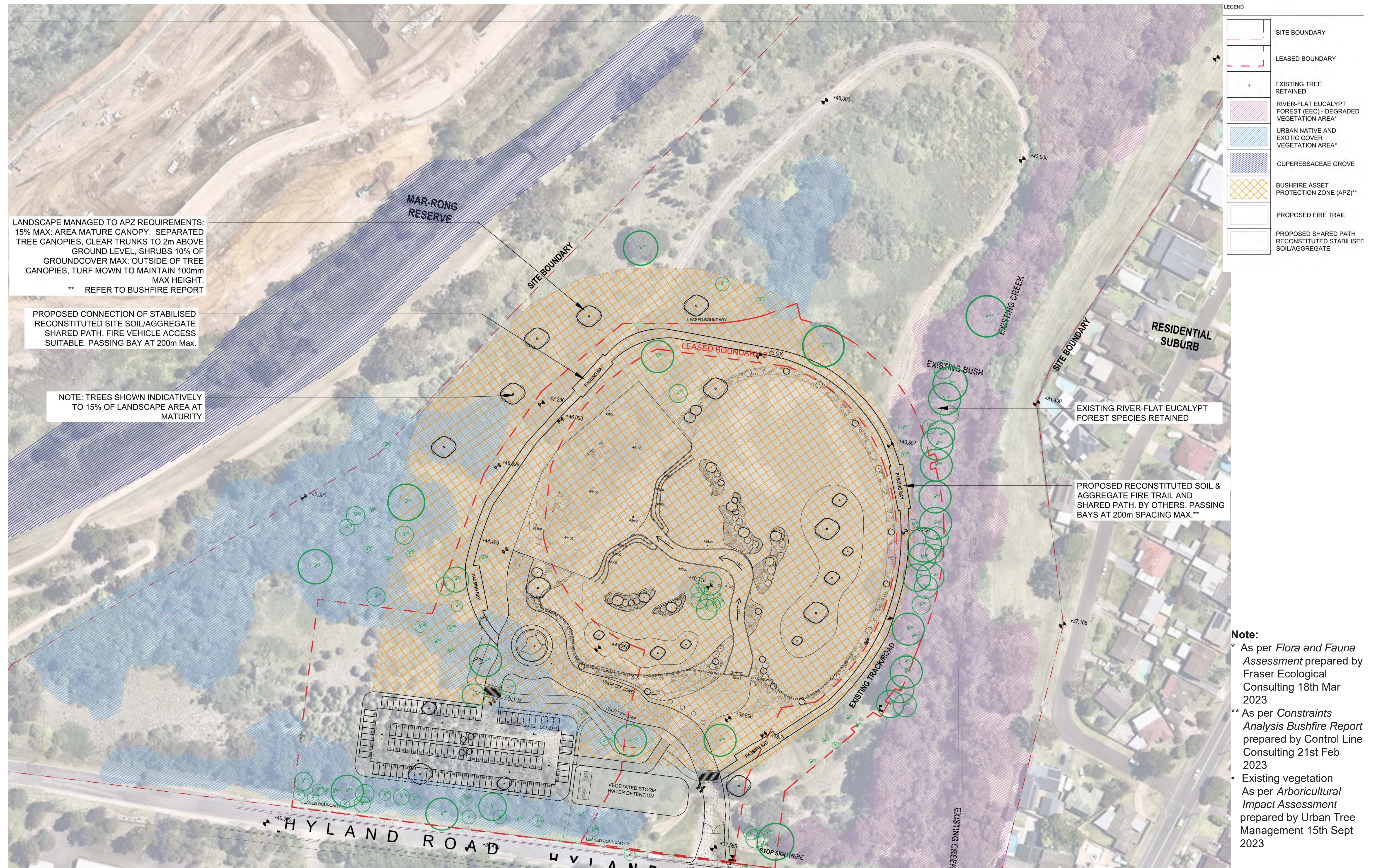


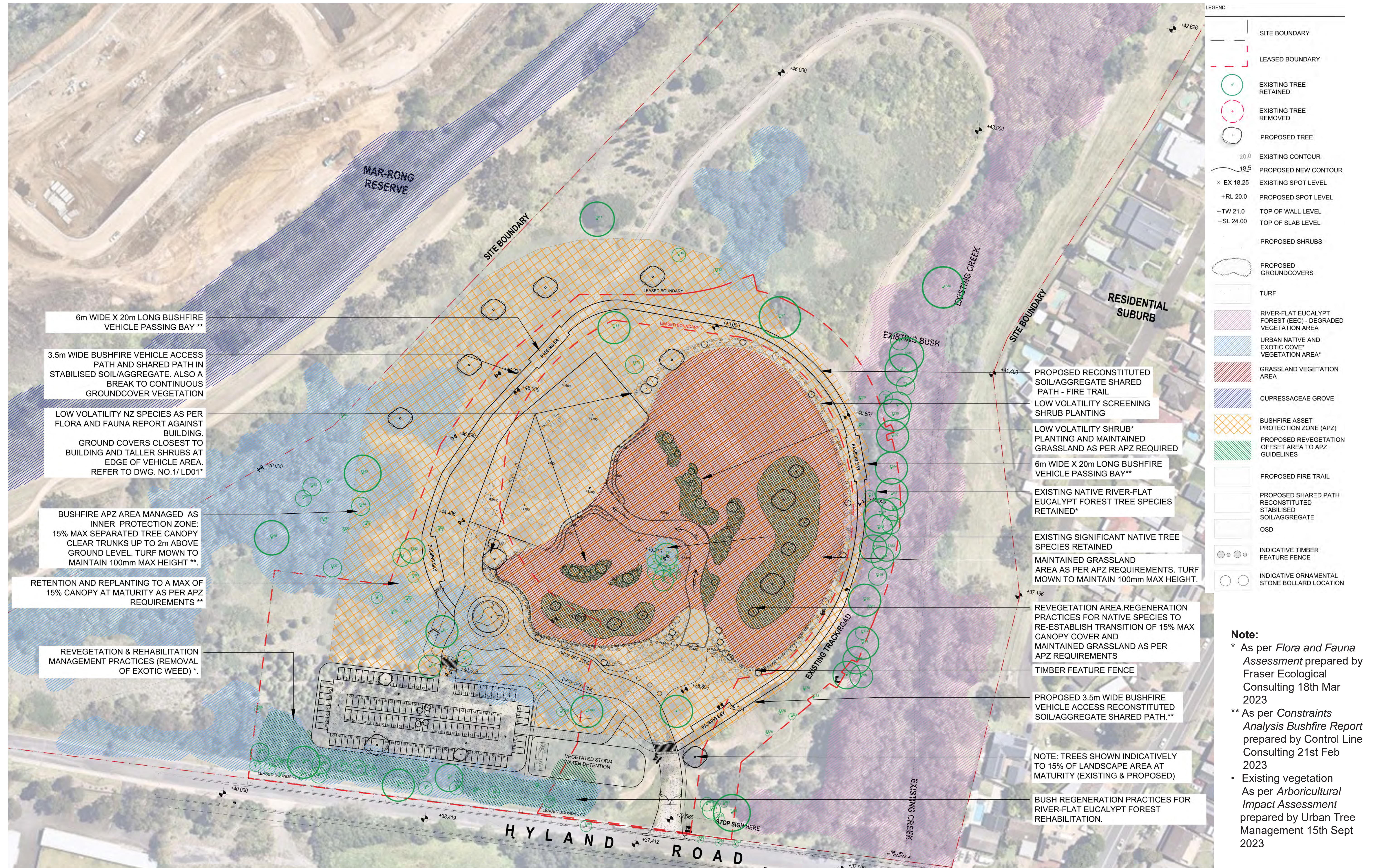












Note:

- * As per *Flora and Fauna Assessment* prepared by Fraser Ecological Consulting 18th Mar 2023
- ** As per *Constraints Analysis Bushfire Report* prepared by Control Line Consulting 21st Feb 2023
- Existing vegetation As per *Arboricultural Impact Assessment* prepared by Urban Tree Management 15th Sept 2023



LEGEND	
	SITE BOUNDARY
	LEASED BOUNDARY
	EXISTING TREE RETAINED
	EXISTING TREE REMOVED
	PROPOSED TREE
	EXISTING CONTOUR
	PROPOSED NEW CONTOUR
	EX 18.25 EXISTING SPOT LEVEL
	RL 20.0 PROPOSED SPOT LEVEL
	TW 21.0 TOP OF WALL LEVEL
	SL 24.00 TOP OF SLAB LEVEL
	PROPOSED SHRUBS
	PROPOSED GROUNDCOVERS
	TURF
	RIVER-FLAT EUCALYPT FOREST (EEC) - DEGRADED VEGETATION AREA
	URBAN NATIVE AND EXOTIC COVE* VEGETATION AREA*
	GRASSLAND VEGETATION AREA
	CUPRESSACEAE GROVE
	BUSHFIRE ASSET PROTECTION ZONE (APZ)
	PROPOSED REVEGETATION OFFSET AREA TO APZ GUIDELINES
	PROPOSED FIRE TRAIL
	PROPOSED SHARED PATH RECONSTITUTED STABILISED SOIL/AGGREGATE
	OSD
	INDICATIVE TIMBER FEATURE FENCE
	INDICATIVE ORNAMENTAL STONE BOLLARD LOCATION

Vegetation Areas

01 Existing River-flat Eucalypt Forest (EEC)

02 Existing Urban Native and Exotic Cover

03 Mown Grassland to 100mm

04 Canopy Trees of Local Provenance

05 Existing significant species of shrubs and high retention value trees retained and new planting to achieve 15% max canopy at maturity. Managed shrub layer under to 10% of site and remainder managed grasslands as per APZ requirements.

Note:

* Refer to civil drawings for site levels.



01 | 07 WOVEN BRICK PAVING

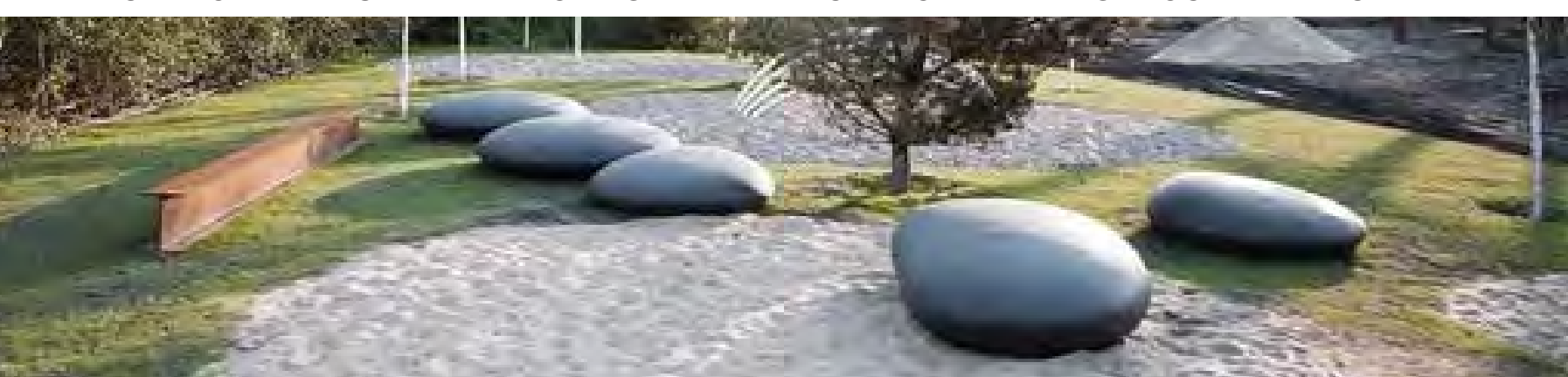


02 BRICK EDGED GRANITIC SAND PATH BANDED



03 BLACK STONE FEATURE PAVER TO EDGE

04 BLACK STONE SEATING BLOCKS IN BLACK PEBBLE



05 STONE SEATING CIRCLE IN BLOCK



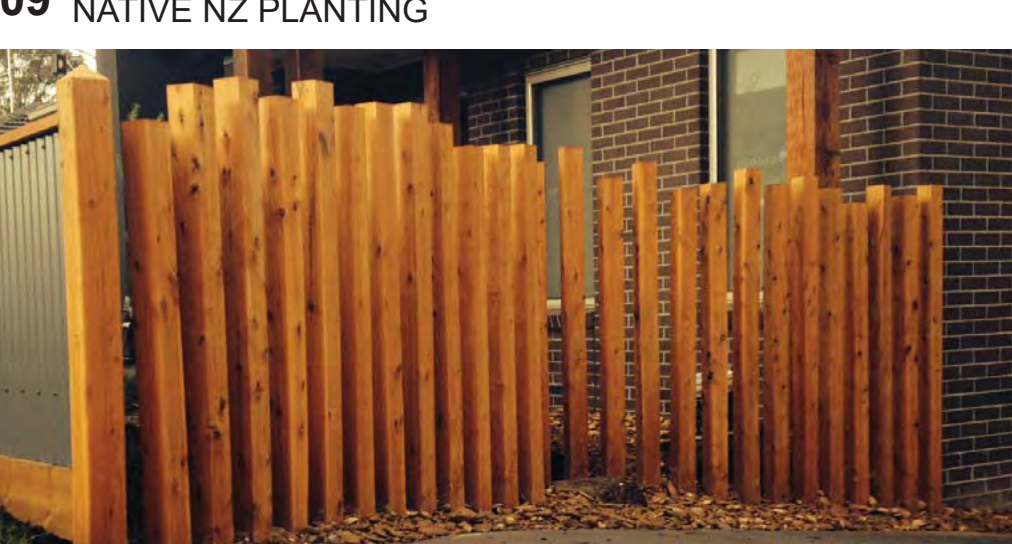
06 LANDSCAPE STEPS



08 RAMMED EARTH WALL



09 NATIVE NZ PLANTING



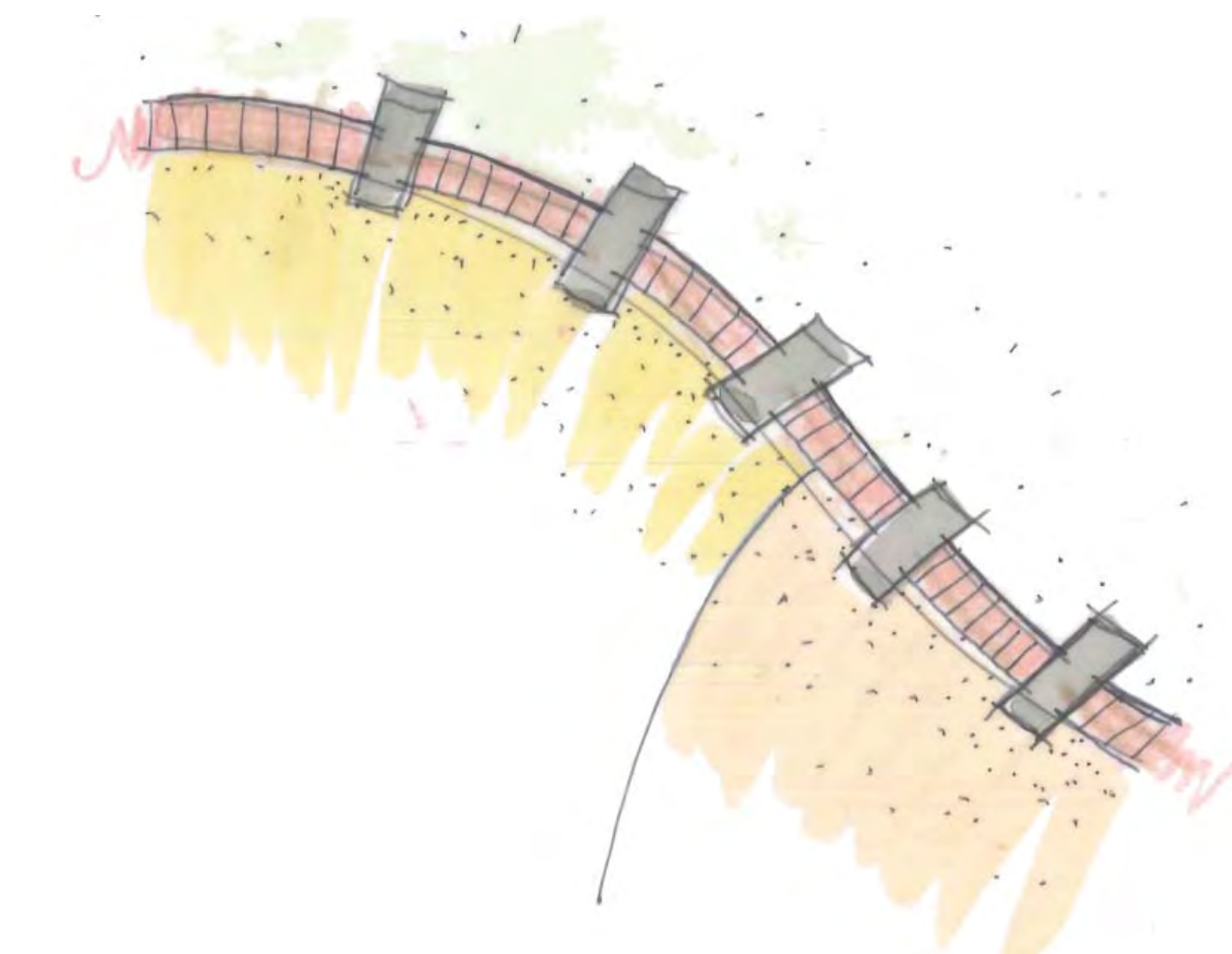
10 TIMBER FEATURE FENCING

16-122 Sydney Maraë Alliance

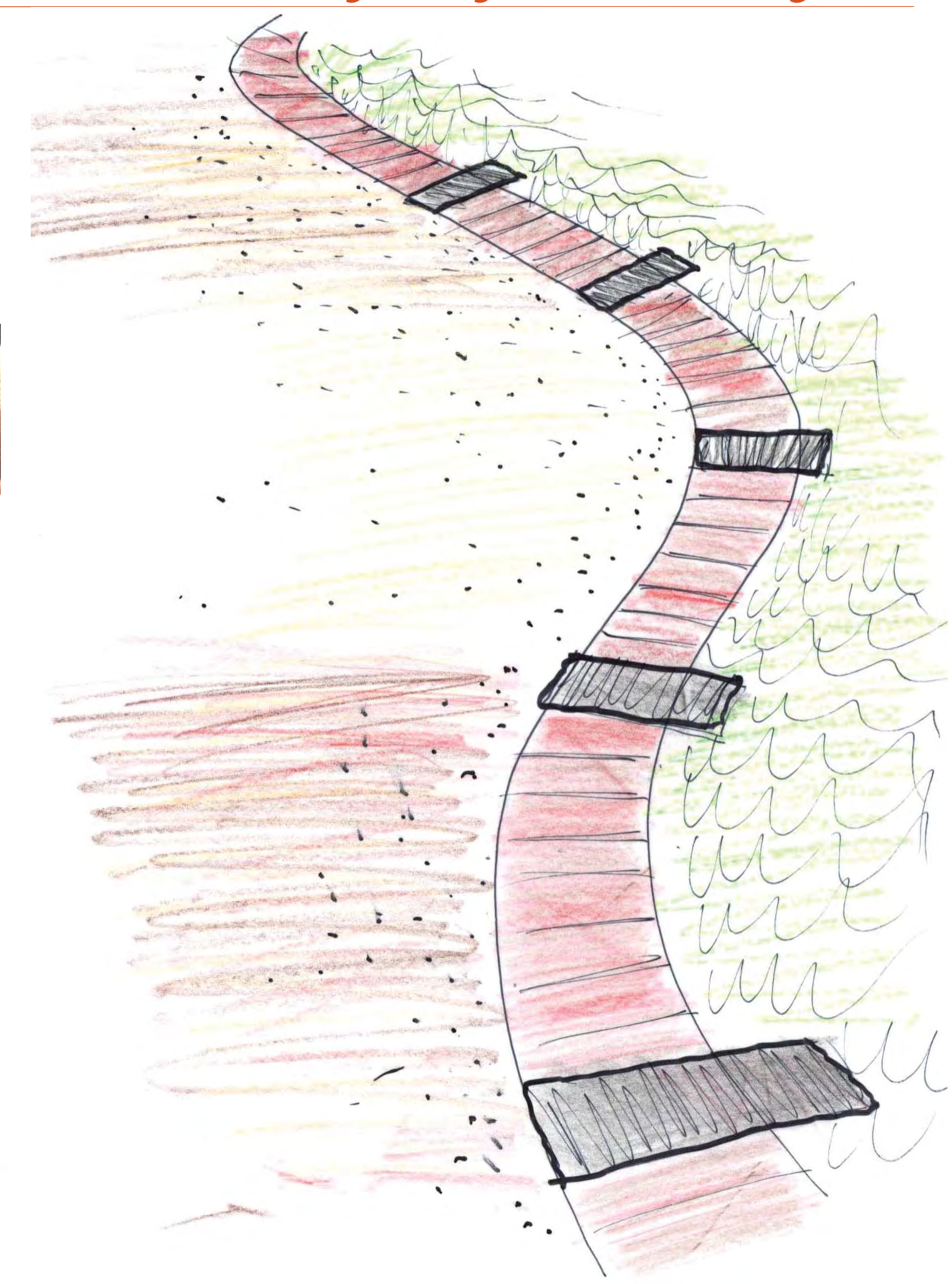
Western Sydney Marae Project



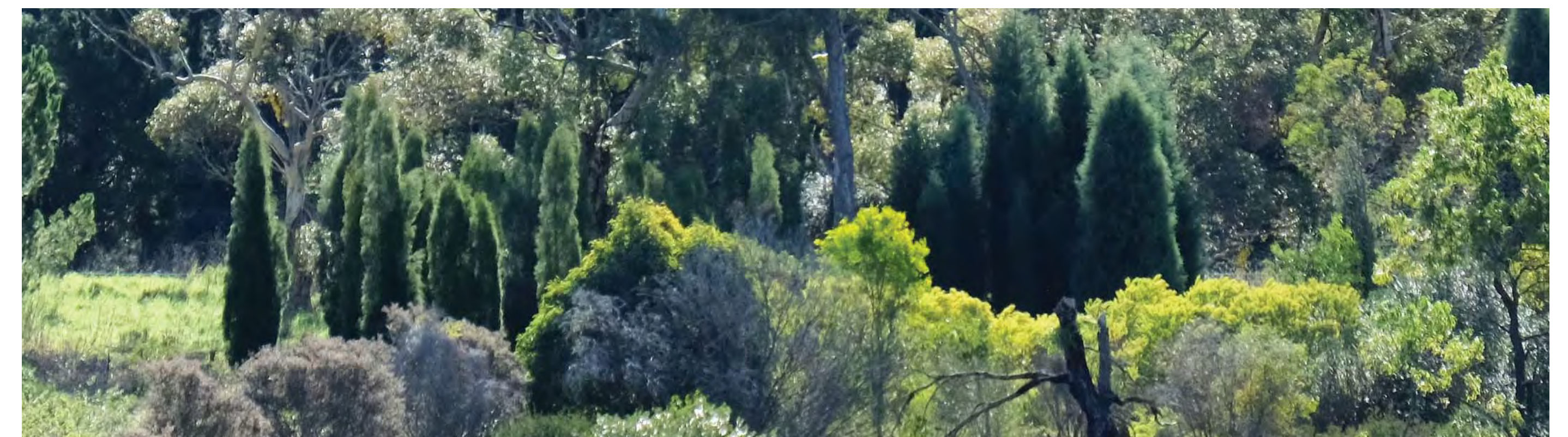
01 | 07 WOVEN BRICK PAVING



03 STONE & BRICK EDGING - PLAN



03 STONE & BRICK EDGING - PERSPECTIVE



10 CALLITRIS TREE AS SENTINEL TREE PLANTING



10 TIMBER FEATURE FENCING



01

INDICATIVE PLANT				
NEW ZEALAND NATIVE SPECIES PLANTING TO MOUNDED PLANT BEDS AND BETWEEN BUILDINGS				
ID	BOTANICAL NAME	COMMON NAME	HEIGHT (m)	SPREAD(m)
TREES				
	<i>Sophora microphylla</i>	Kowhai	3m	2.5m
	<i>Cordyline australis</i>	Cabbage Palm	3-4m	2m
	<i>Dicksonia antarctica</i>	Soft Tree Fern	1-2m	2m
	<i>Cyathea cunnighamii</i>	Gully Fern	3-10m	2.5m
	<i>Kunzea ericoides</i>	Burgan or Kanuka	2-5m	2-4m
	<i>Metrosideros excelsa</i>	New Zealand Christmas Tree or Pohutukawa		
SHRUBS				
	<i>Aristotelia serrata</i>	Makomako aka Wineberry		
	<i>Arthropodium cirratum</i>	Rengarenga Lilly		
	<i>Cordyline australis</i> (Cabbage Tree or Ti Kouka)			
	<i>Dodonaea viscosa</i>	Hop Bush	3-4m	2-3m
	<i>Phormium tenax</i>	(New Zealand Flax or Harakeke)	1-2m	1.5m
	<i>Phormium tenax</i> 'Purpureum'	Phormium	1-2m	1.5m
	<i>Phormium colensoi</i>	(Mountain Flax or Wharariki)		
	<i>Piper Excelsum</i>	Pepper Tree or Kawakawa		
	<i>Metrosideros collina</i> "Tahiti"			
	<i>leptospermum scoparium</i>	Tantoon Tea Tree	1-2m	2m
	<i>Sophora</i> "Dragons Gold"	Kowhai Shrub	1.2m	1.5m
*REFER TO FLORA + FAUNA REPORT				

02

INDICATIVE PLANT				
INDIGENOUS TREE SPECIES (Carpark, Externally of Marae boundary, Marae boundary, Behind Marae Buildings and carpark)				
ID	BOTANICAL NAME	COMMON NAME	HEIGHT (m)	SPREAD(m)
TREES				
	<i>Acacia implexa</i>	Hickory Wattle	6-12m	3.6-4.7m
	<i>Angophora floribunda</i>	Rough Barked Apple	30m	6-8m
	<i>Corymbia torelliana</i>	Cadaghi	20m	8-12m
	<i>Eucalyptus amplifolia</i>	Cabbage gum	15-30m	8-15m
	<i>Eucalyptus crebra</i>	Narrow-leaved Ironbark	20m	8-15m
	<i>Eucalyptus microcorys</i>	Tallowwood	40m	8-15m
	<i>Eucalyptus microcorys</i>	Tallowwood	40m	8-15m
	<i>Melaleuca decora</i>	Paperbark	6-10m	5m
	<i>Melaleuca styphelioides</i>	Prickly Paperbark	11-15m	12m
	<i>Callitris</i> sp.			
SHRUBS				
	<i>Backhousia myrtifolia</i>	Grey Myrtle/Aniseed Tree	6-10m	5m
	<i>Bursaria spinosa</i>	Black Thorn	3m	1.5m
	<i>Dillwynia retorta</i>	Heathy Parrot Pea	1.5m	1.5m
	<i>Daviesia ulicifolia</i>	Grose Bitter Pea	1.5m	1m
	<i>Hakea sericea</i>	Bushy Needlebush	3-5m	3m
	<i>Hakea dactyloides</i>	Hakea	1-3m	1-2m
	<i>Pultanea vilosa</i>		1m	1m
	<i>Rapanea variabilis</i>	Muttonwood	3m	1-2m
GROUNDCOVER AND GRASSES				
	<i>Bothriochloa macra</i> Red-leg Grass	Red-leg Grass	0.3m	0.3m
	<i>Eriochloa pseudoacrotiricha</i>	Early Spring Grass	0.3m	0.2m
	<i>Danthonia</i> sp.	Wallaby Grass	0.7m	0.7m
	<i>Juncus usitatus</i>	Common Rush	1m	1m
	<i>Lomandra longifolia</i>	Spiny-headed mat-rush	0.6-1m	1m
	<i>Lomandra multiflora</i>	Many Flowered Mat Rush	0.6-1m	1m
	<i>Dichondra repens</i>	Kidney Weed	0.1m	0.3m
	<i>Opismenus aemulus</i>	Basket Grass	0.3m	0.3m
	<i>Microlaena stipoides</i>	Weeping Grass	0.5m	0.3m
*REFER TO FLORA + FAUNA REPORT				

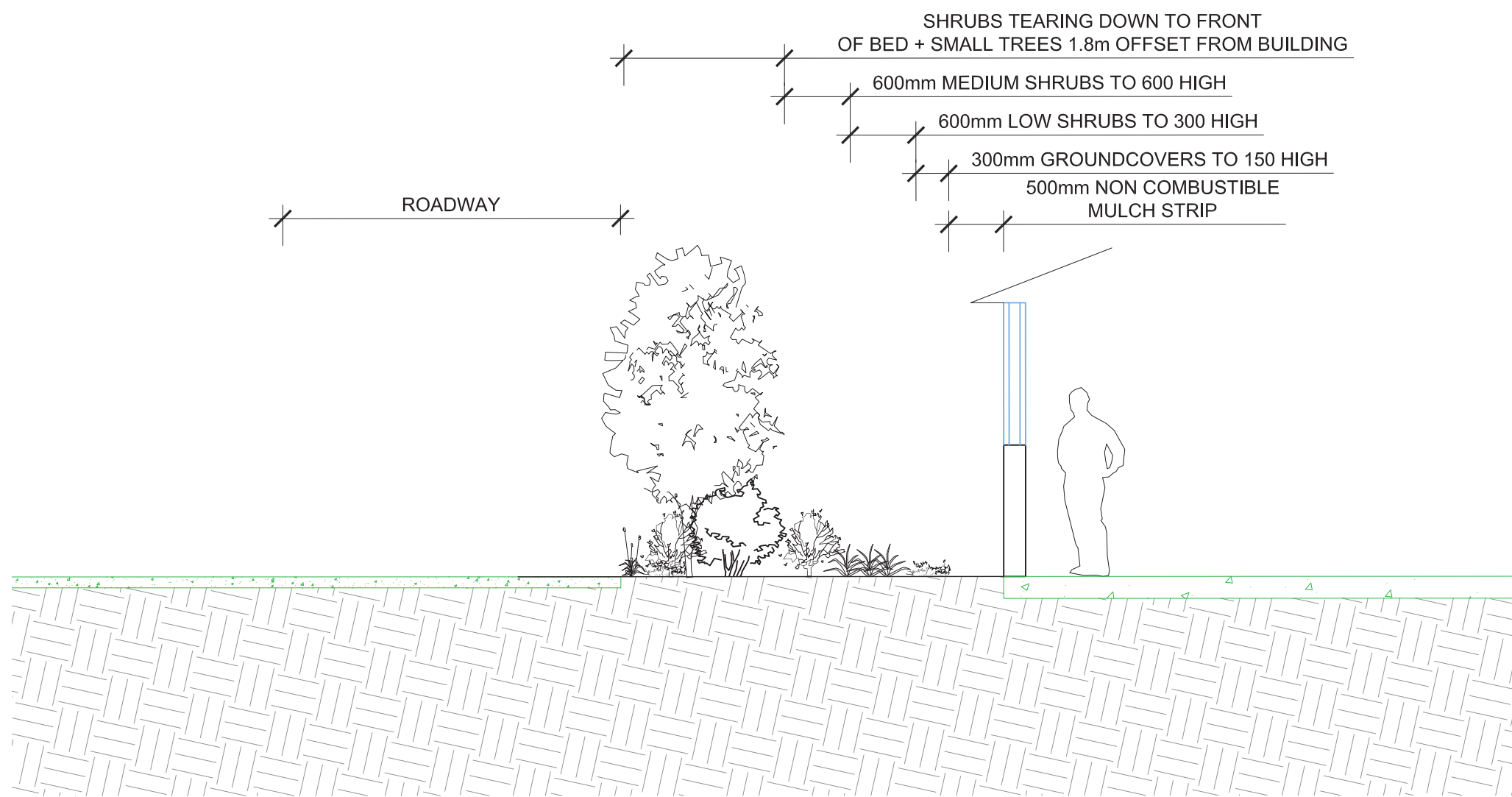
03

BIO RETENTION PLANTING (As specified by Filterra Biofiltration)									
Table A-1 Recommended plant species for Filterra® biofiltration systems									
Common Name	Scientific Name	Plant Type	Sun	Drought Tolerance (1 = Well Drained, 5 = Hardy)	Height (m)	Spread (m)	Region/Distribution	Comments	
Prickly Moses	<i>Acacia ulicifolia</i>	Small Shrub	Full/Shade	5 - Well Drained	3	2	N Qld, NSW, Vic, Tas	Not readily available.	
Lilly Pilly	<i>Acmena smithii</i>	Evergreen Tree	Full/Shade	5 - Once Established	6	6	Coastal N Qld to Vic	Cultivars may be hedges.	
Swamp Banksia	<i>Banksia robur</i>	Evergreen Shrub	Full/Part	5 - Once Established	2	2	East Coast	Endemic to Australia. Check regional suitability.	
Boronia	<i>Boronia microphylla</i>	Evergreen Shrub	Part	3 - Moist Preferred	1	1	East Coast	95 spp endemic to Australia. Majority in SW WA. Suited to moist protected sites.	
Soft Boronia	<i>Boronia mollis</i>	Evergreen Shrub	Full/Part	4 - Moist Preferred	1.5	1.5	Far North Coast NSW		
Pinnate Boronia	<i>Boronia pinnata</i>	Evergreen Shrub	Part	2 - Moist	1.5	1.5	East Coast NSW		
(Dwarf) Weeping Bottlebrush	<i>Callistemon viminalis</i>	Evergreen Shrub/Tree	Full	5 - Once Established	1.5-2	2	Eastern Australia	Many cultivars, region suited	
(Dwarf) Crimson Bottlebrush	<i>Callistemon citrinus</i>	Green Medium Shrub	Full/Part	4 - Moist/Dry	2	2	NSW Coastal	Many cultivars, P tolerant	
Bottlebrush	<i>Callistemon 'Little John'</i>	Evergreen Shrub	Full/Part	4 - Moist/Dry	1	1.5	Eastern Australia	Many cultivars region suited	
NSW Christmas Bush	<i>Cerastopetalum gummiferum</i>	Egreen Large Shrub	Full/Part	4 - Moist/Dry	<5	<5	NSW Coastal	Pruning possible to limit size	
White Correa	<i>Correa alba</i>	Evergreen Shrub	Full/Part	5 - Once Established	1.5	1.5	NSW, Vic Coastal	Other spp regionally suited	
Pink Wax Flower	<i>Ericostemon australasius</i>	Evergreen Shrub	Part	2 - Moist	1.5	1.5	Far North Coast NSW	Other spp SEQ - hardy cultivars	
Grevillea	<i>Grevillea 'Robyn Gordon'</i>	Evergree Shrub	Full/Part	5 - Once Established	1.5	2	Widespread	Many regional suited cultivars	
Hakea	<i>Hakea myrtilloides</i>	Dwarf Shrub	Full/Part	5 - Once Established	1	1	Widespread	Many Hakea spp available that may provide better regional suitability	
Manuka/Tea Tree	<i>Leptospermum scoparium</i>	Shrub/Small Tree	Full/Part	4 - Moist/Dry	2.5	2.5	Cooler Climate	Many spp & cultivars suited to different habitats	

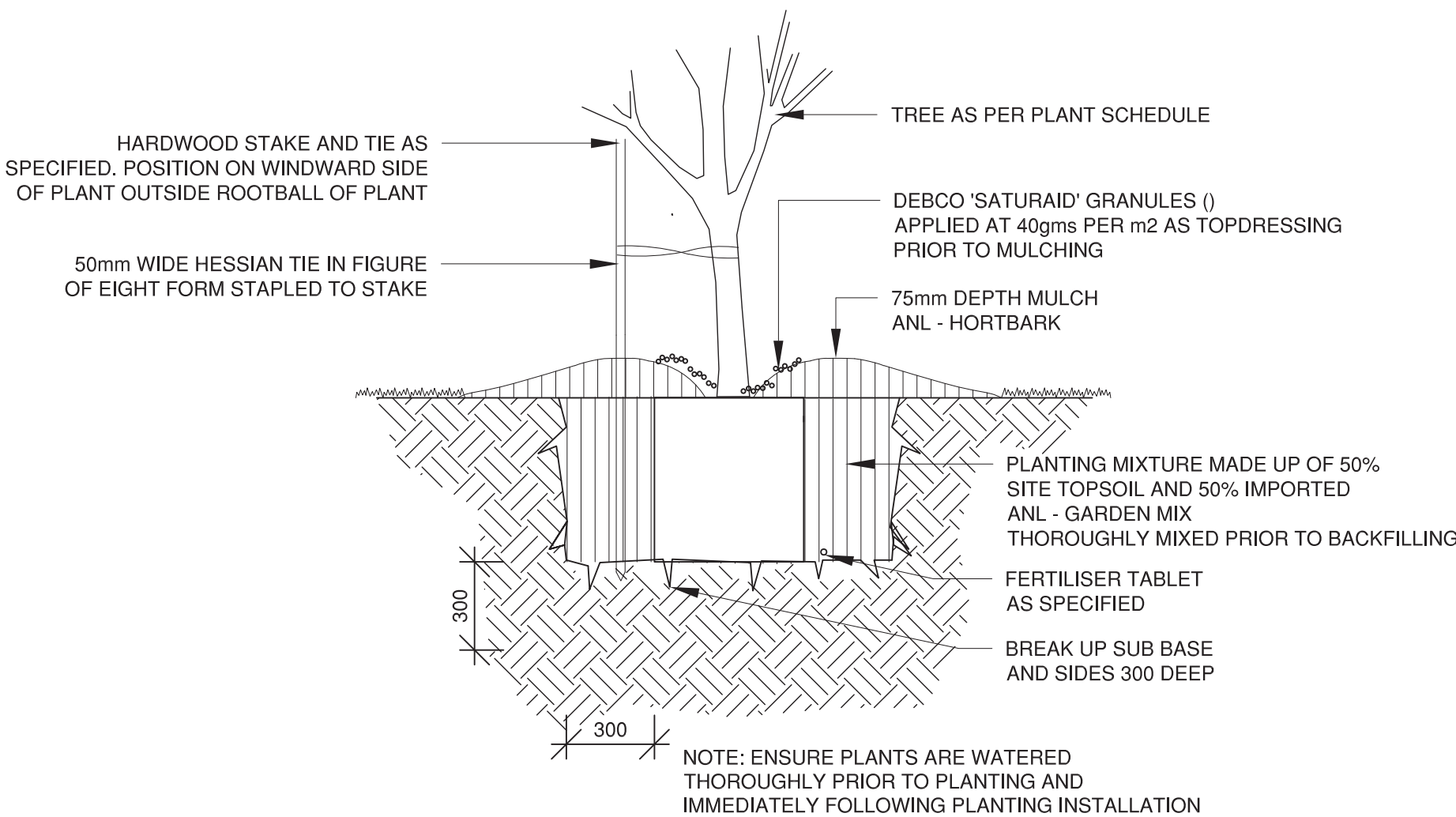


Note:
* As per Arboricultural
Impact Assessment
prepared by Urban Tree
Management 15th Sept
2023

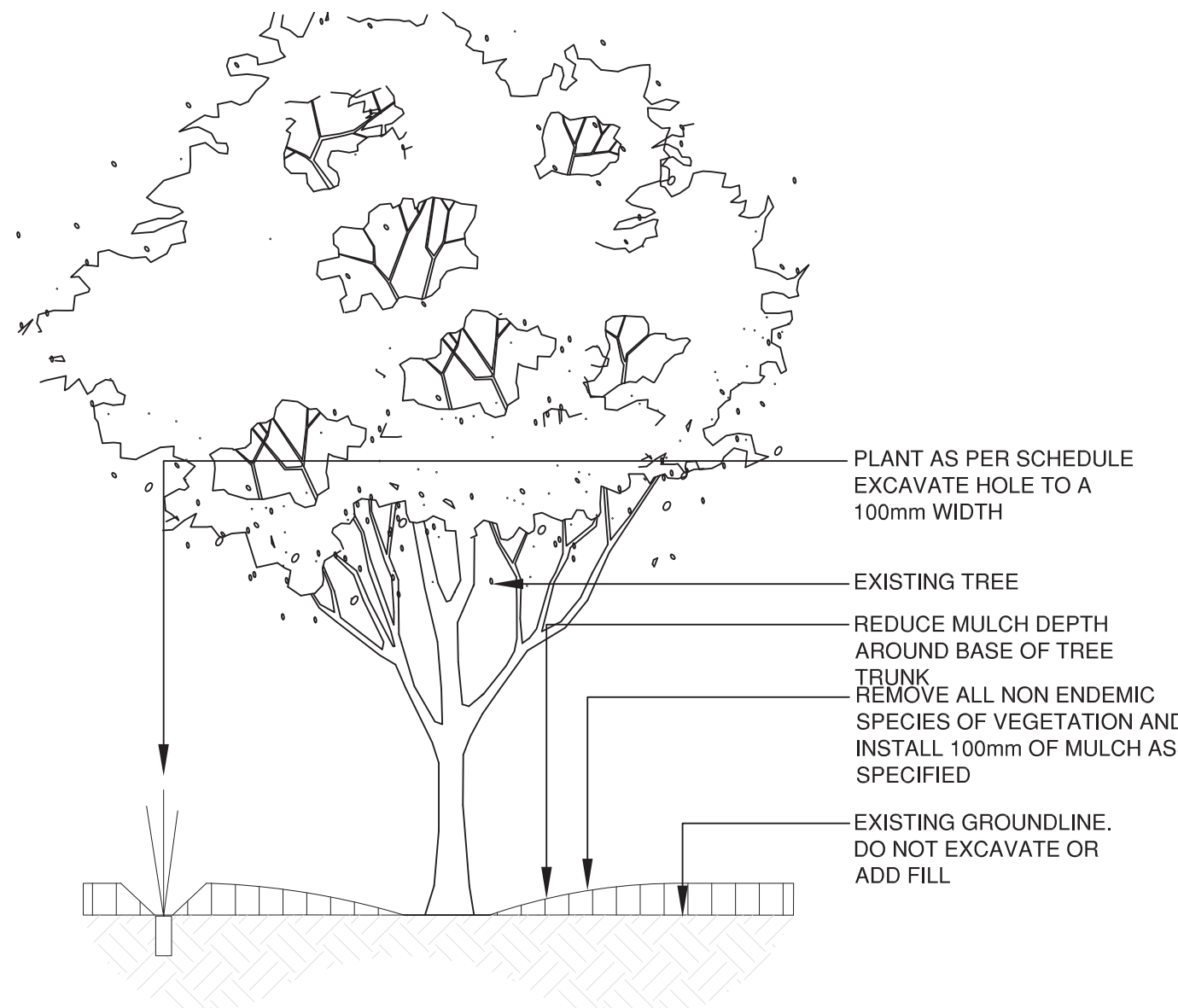




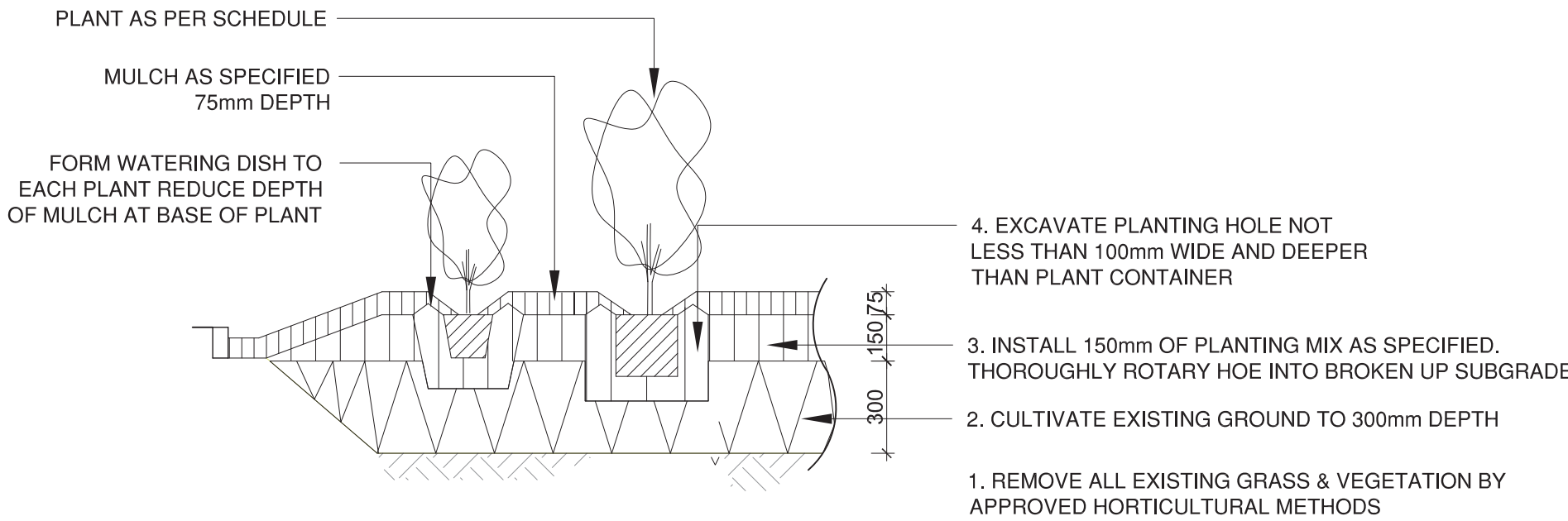
1 APZ FUEL CONSCIOUS PLANTING
TYPICAL SECTION 1:50



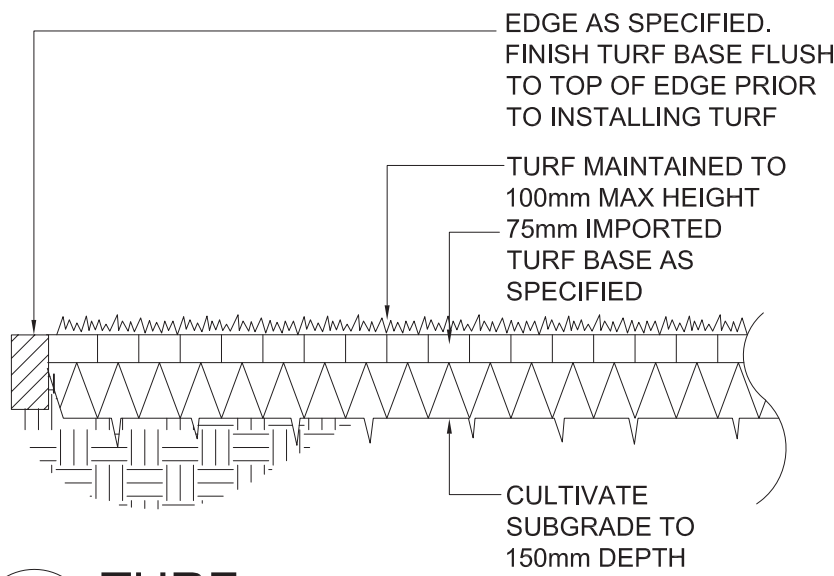
2 TREE PLANTING
TYPICAL SECTION 1:20



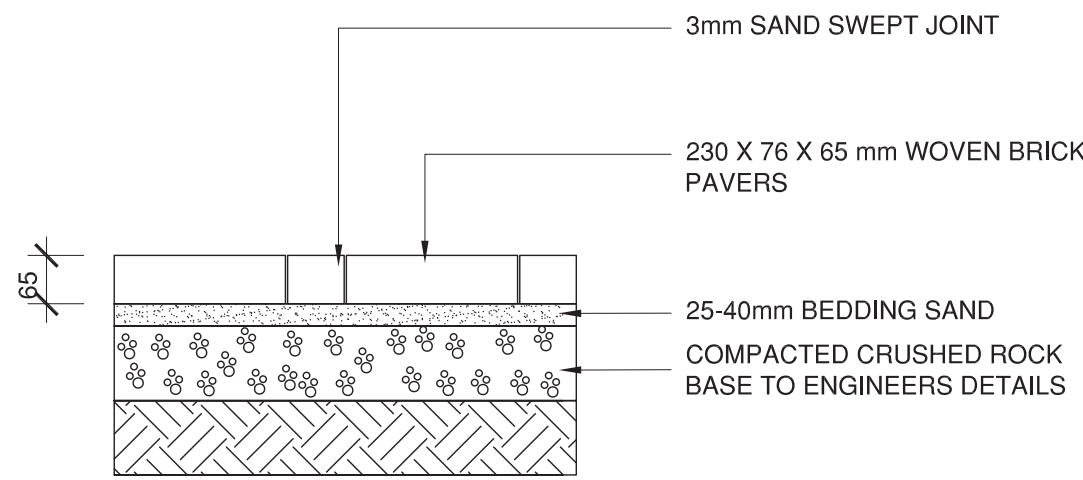
3 BUSH REGENERATION ZONE
TYPICAL SECTION 1:20



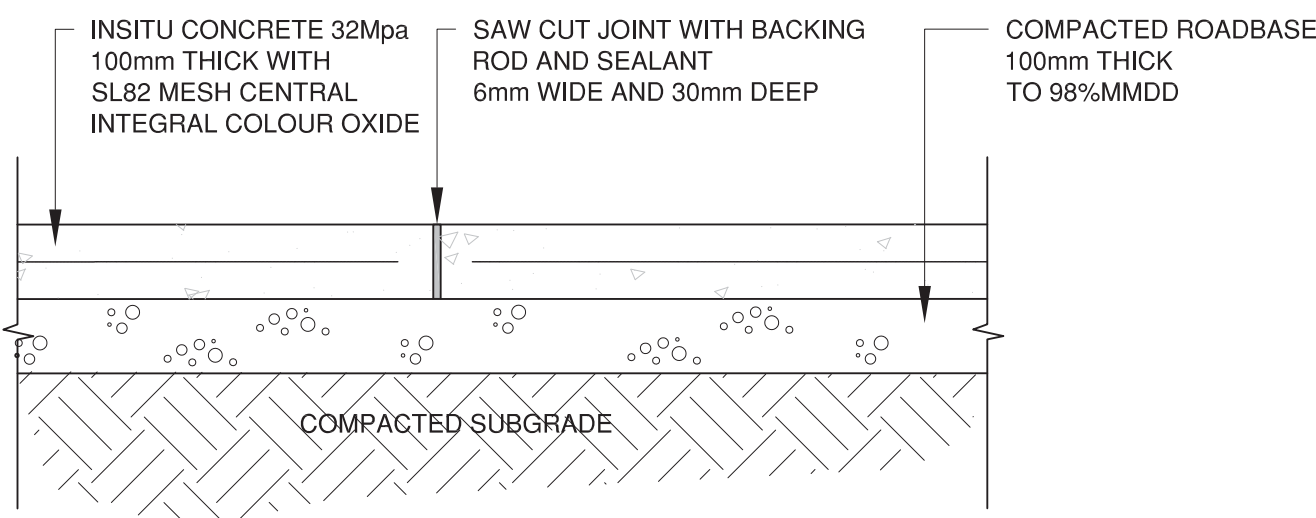
4 MASS PLANTING BED-NATURAL GROUND
TYPICAL SECTION 1:20



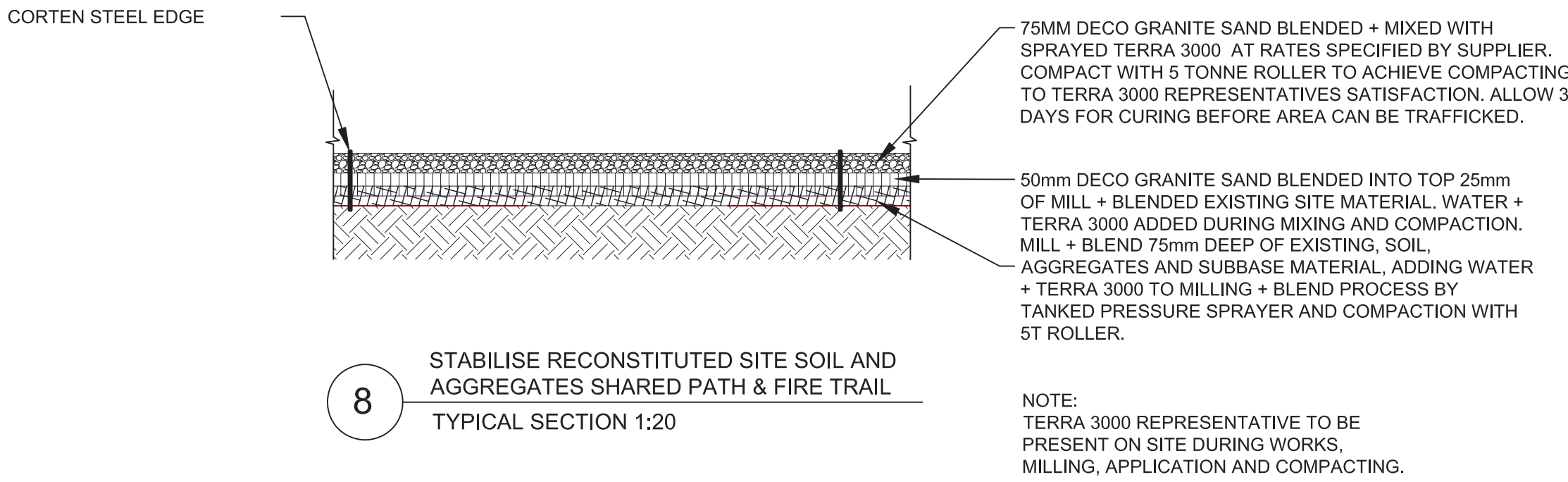
5 TURF
TYPICAL SECTION 1:20



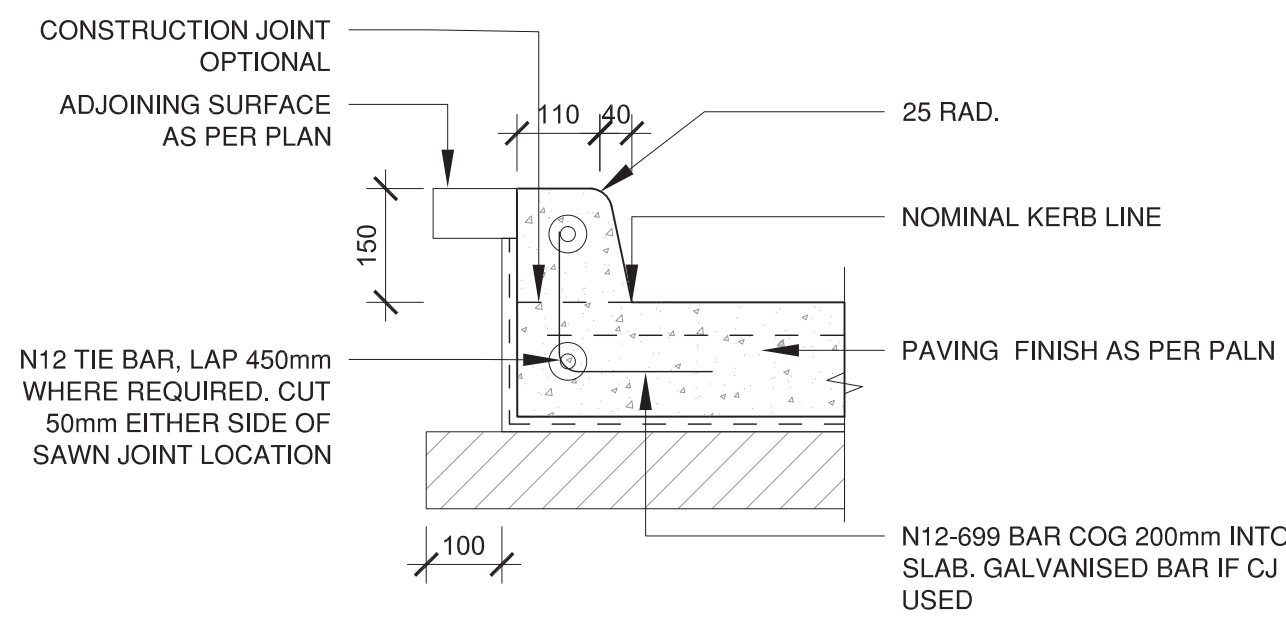
6 WOVEN BRICK FEATURE PAVING
TYPICAL SECTION 1:10



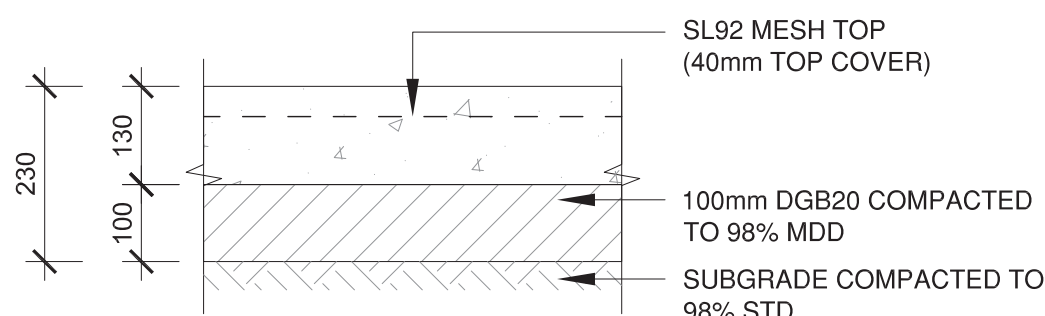
7 PAVING - INSITU CONCRETE CONSTR. JOINT
SECTION 1:10



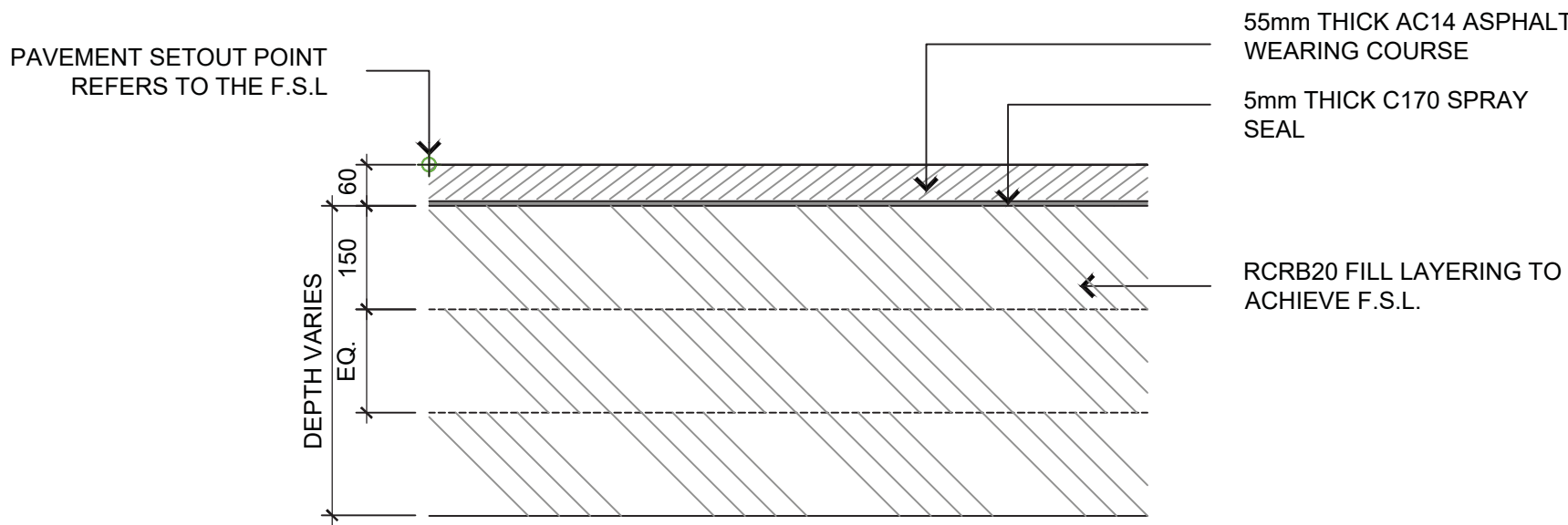
8 STABILISE RECONSTITUTED SITE SOIL AND AGGREGATES SHARED PATH & FIRE TRAIL
TYPICAL SECTION 1:20



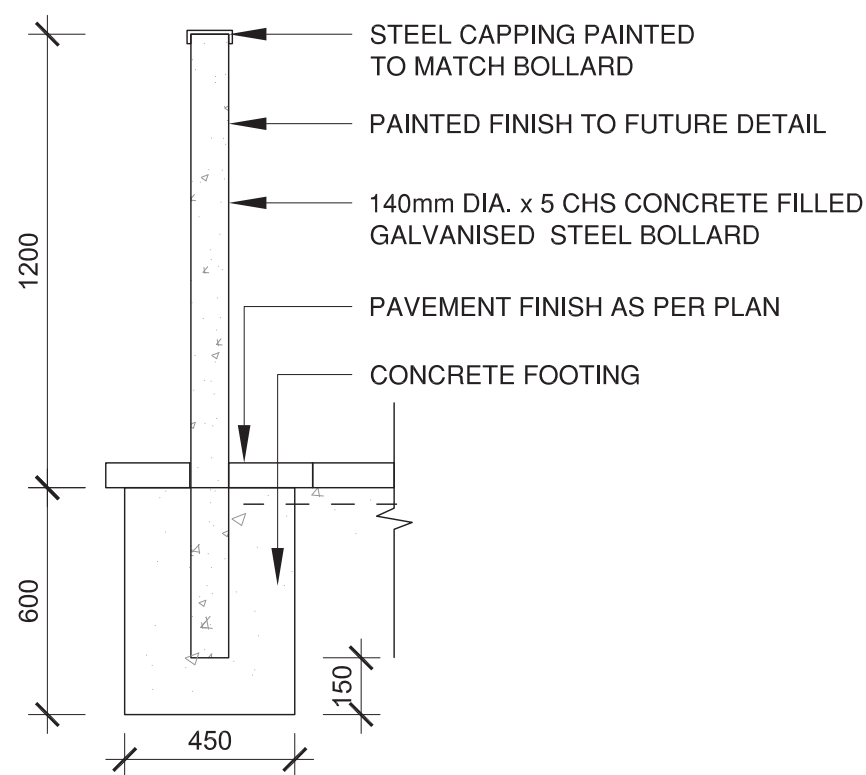
1 TYPICAL INTEGRAL KERB DETAIL
SCALE 1:10



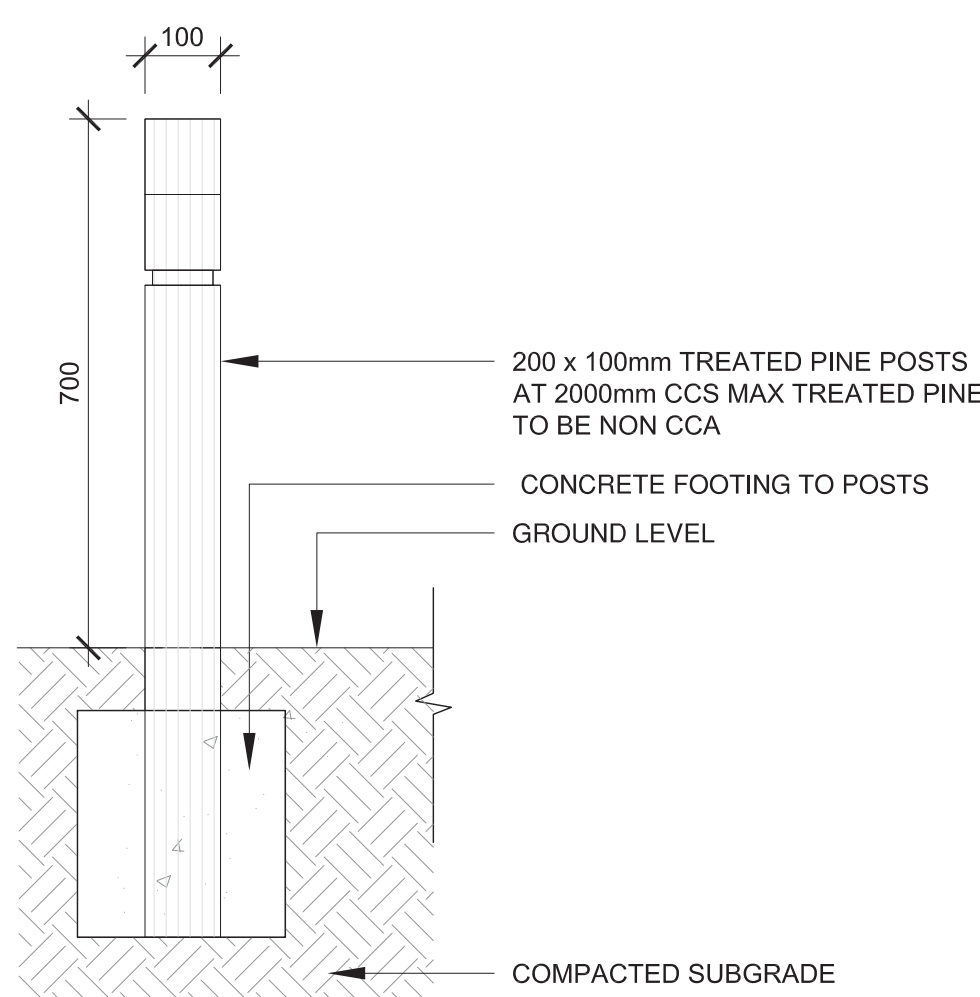
2 TYPICAL LIGHT DUTY CONCRETE PAVING
SCALE 1:10



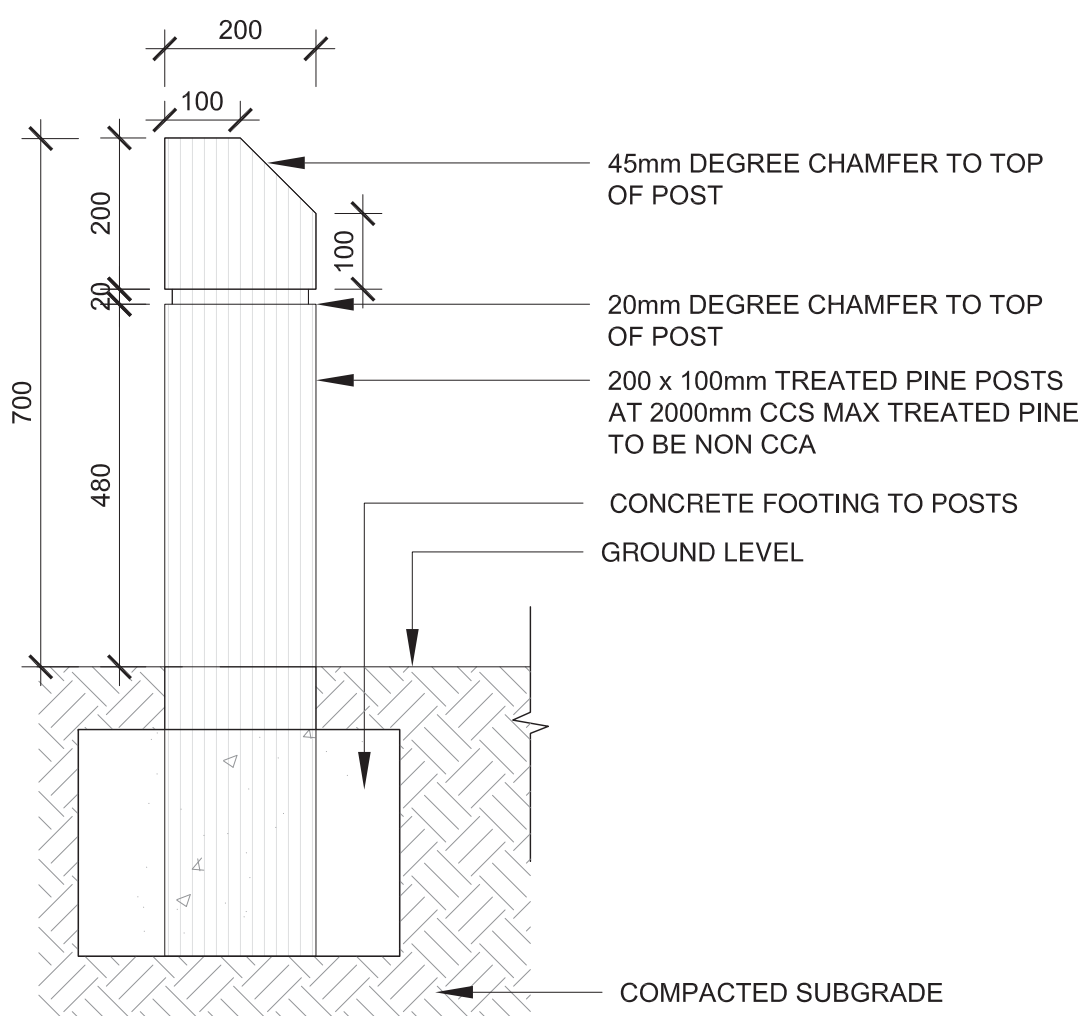
3 TYPICAL ASPHALT PAVING DETAIL
SCALE 1:10



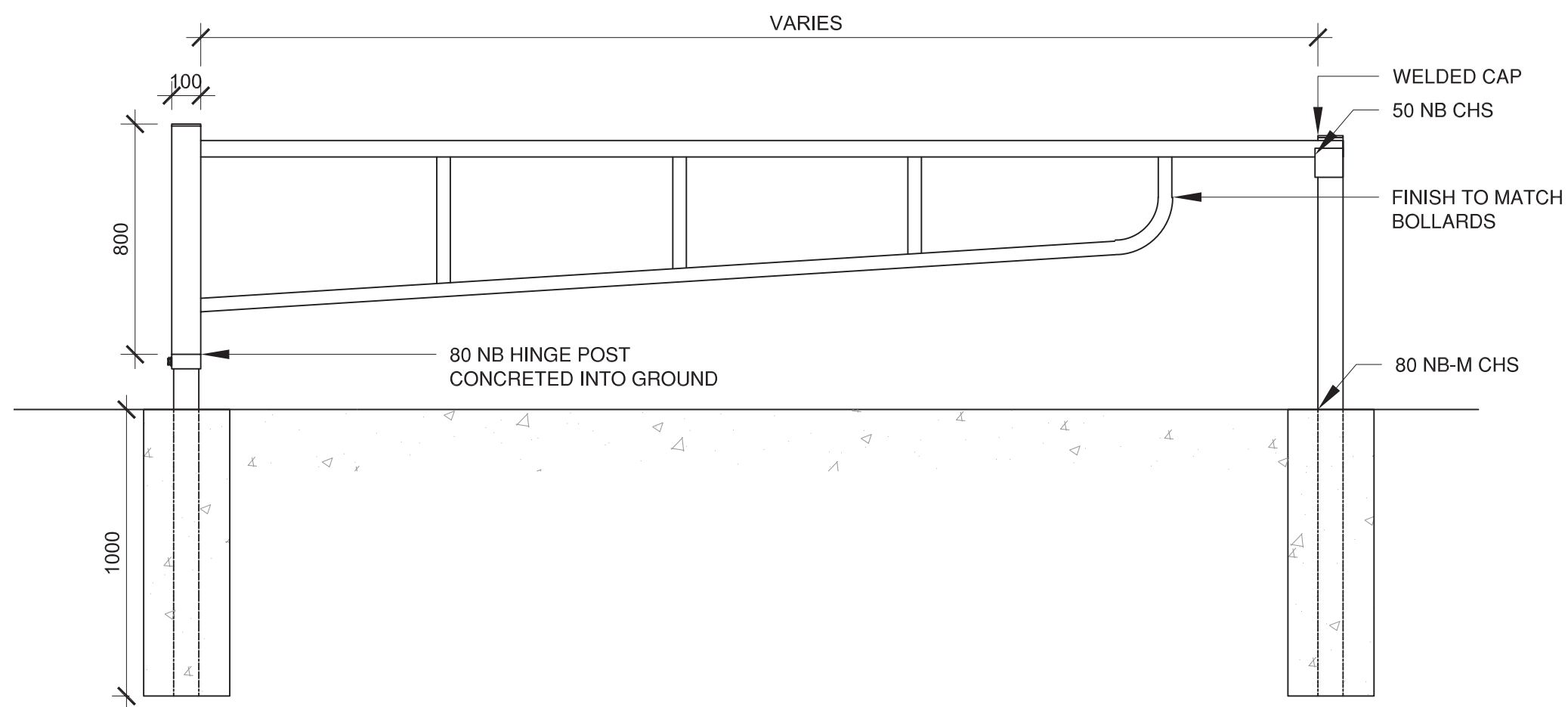
4 TYPICAL FIXED BOLLARD DETAIL
SCALE 1:20



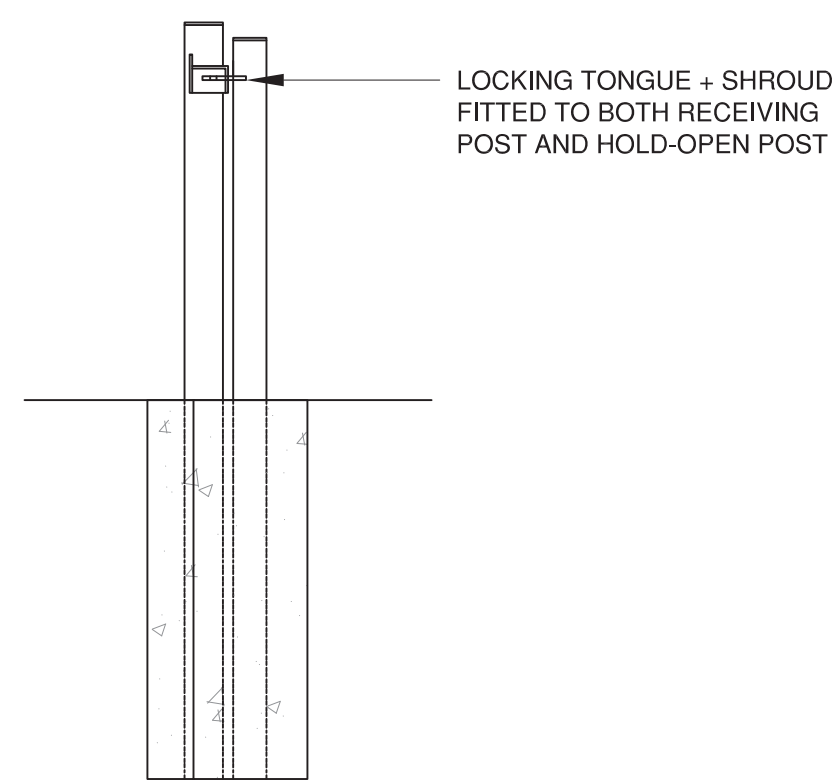
4a TYPICAL FIXED TIMBER BOLLARD DETAIL
FRONT SECTION 1:10



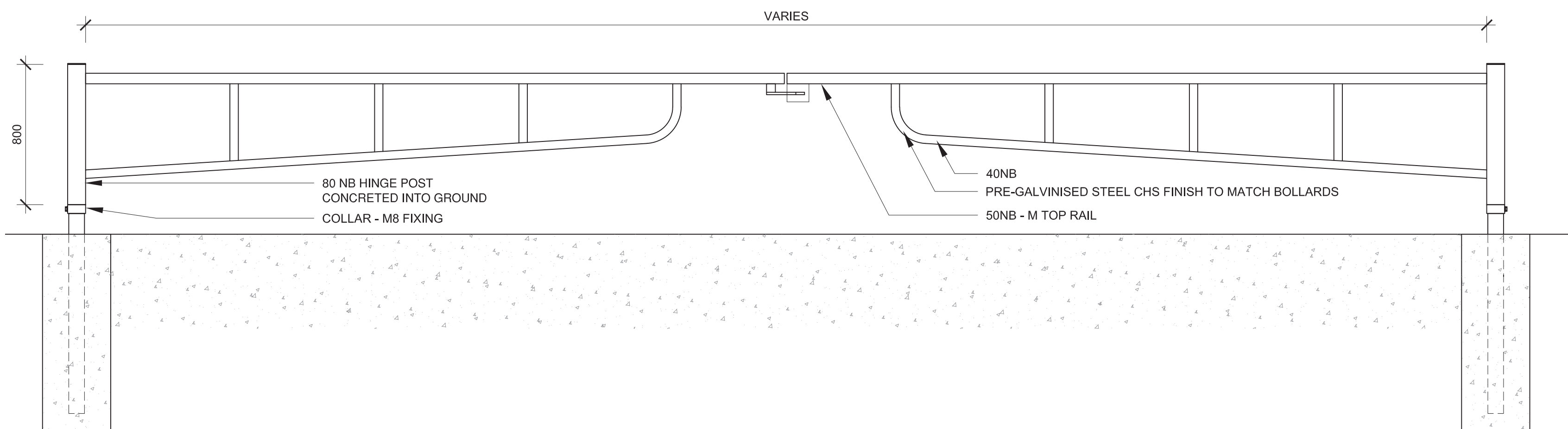
4b TYPICAL FIXED TIMBER BOLLARD DETAIL
SIDE SECTION 1:10



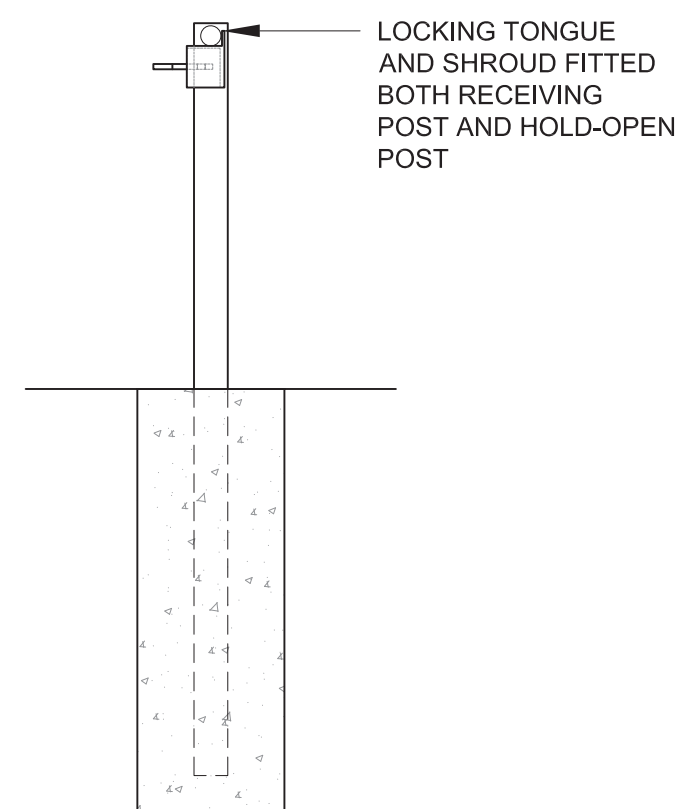
5a TYPICAL SINGLE SWING GATE DETAIL
ELEVATION 1:20



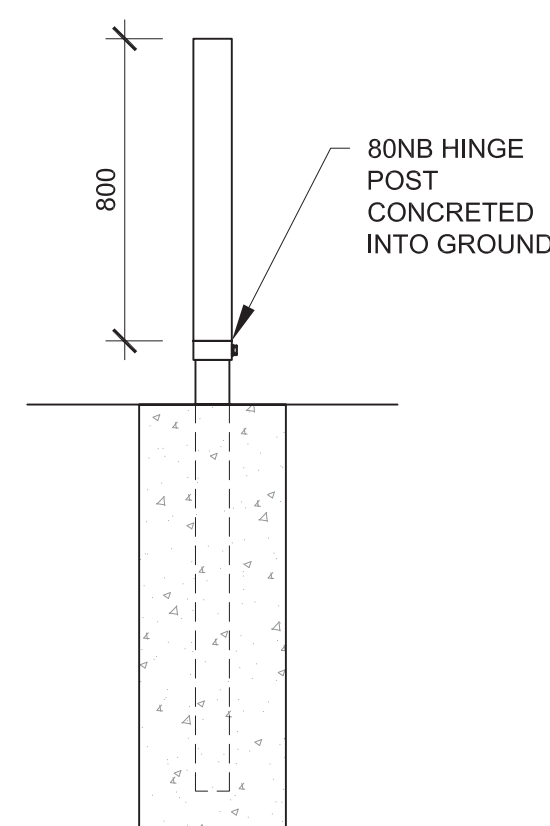
5b TYPICAL SINGLE SWING GATE DETAIL
SECTION 1:20



6a TYPICAL DOUBLE SWING GATE DETAIL
ELEVATION 1:20



6c TYPICAL DOUBLE SWING BAR GATE
ELEVATION 1:20



6c TYPICAL DOUBLE SWING BAR GATE
ELEVATION 1:20