

GREENSTEAD VALLEY JOADJA

Landscape Development Package

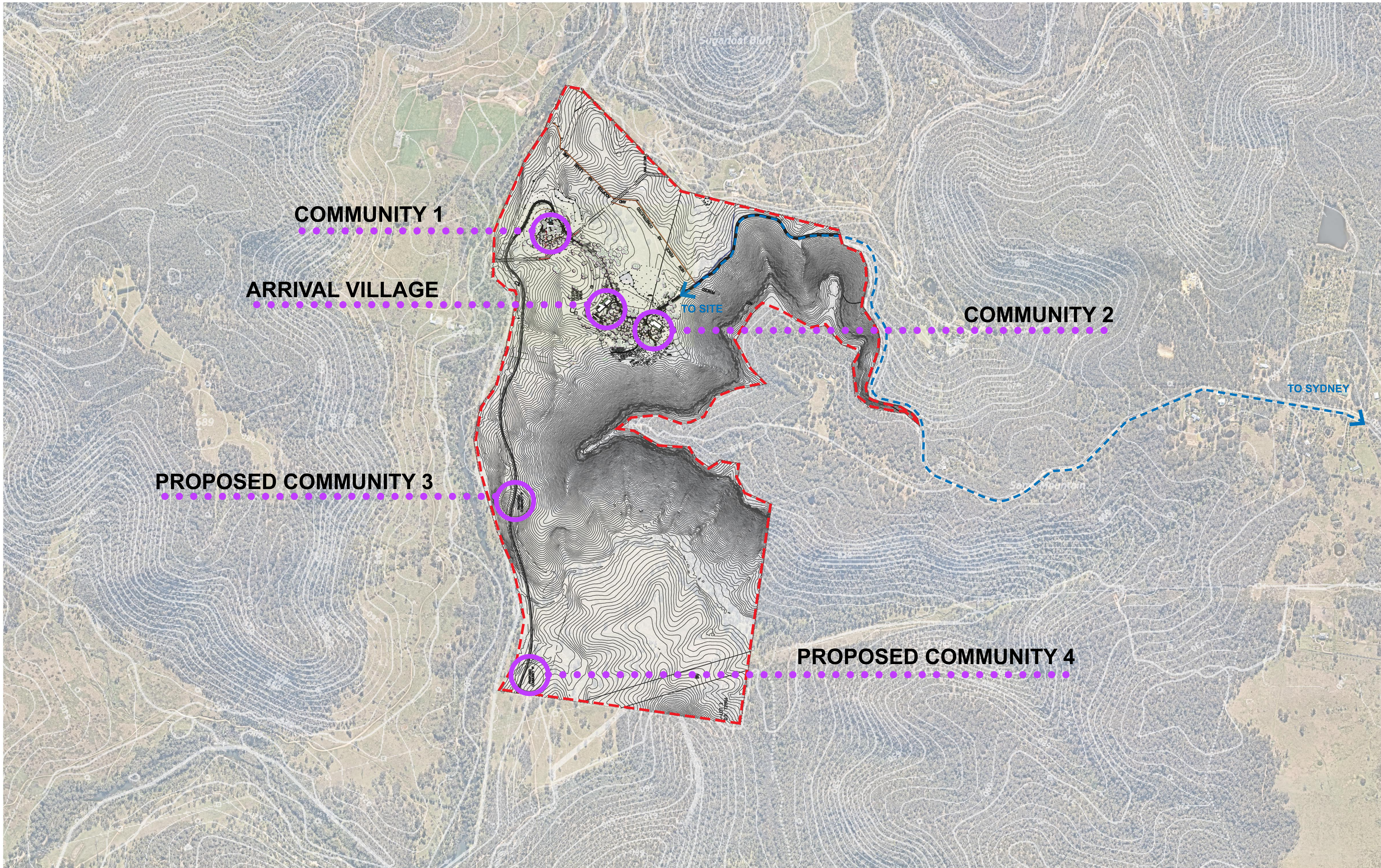
DWG	DRAWING TITLE	SCALE
LA00	COVER SHEET	N/A
LA01	SITE PLAN	1:5000
LA02	MASTERPLAN	1:1000
LA03	ARRIVAL VILLAGE PLAN	1:250
LA04	COMMUNITY 1 PLAN	1:250
LA05	COMMUNITY 2 PLAN	1:250
LA06	ARRIVAL VILLAGE PLANTING PLAN	1:250
LA07	COMMUNITY 1 PLANTING PLAN	1:250
LA08	COMMUNITY 2 PLANTING PLAN	1:250
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LA10	ARRIVAL VILLAGE SECTION	1:100
LA11	COMMUNITY 1 SECTION	1:100
LA12	COMMUNITY 2 SECTION	1:100
LA13	LANDSCAPE DETAILS	AS SHOWN
LA14	LANDSCAPE MAINTENANCE AND IRRIGATION SCHEDULE	NA



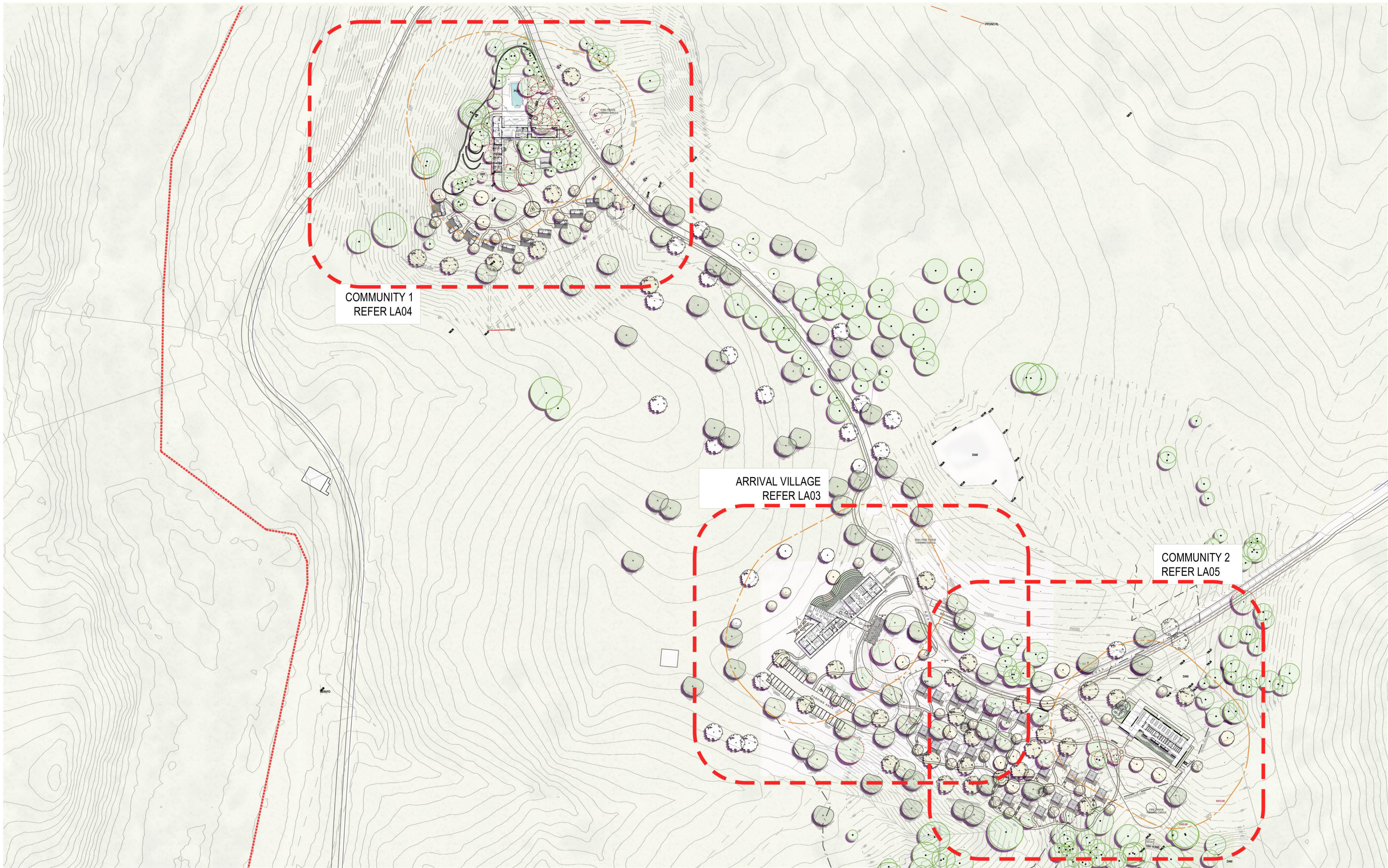
Project: Greenstead Valley
Client: FHC
Revision: 07.03.2024 C
Drawn: RA
Checked: MT

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LA00



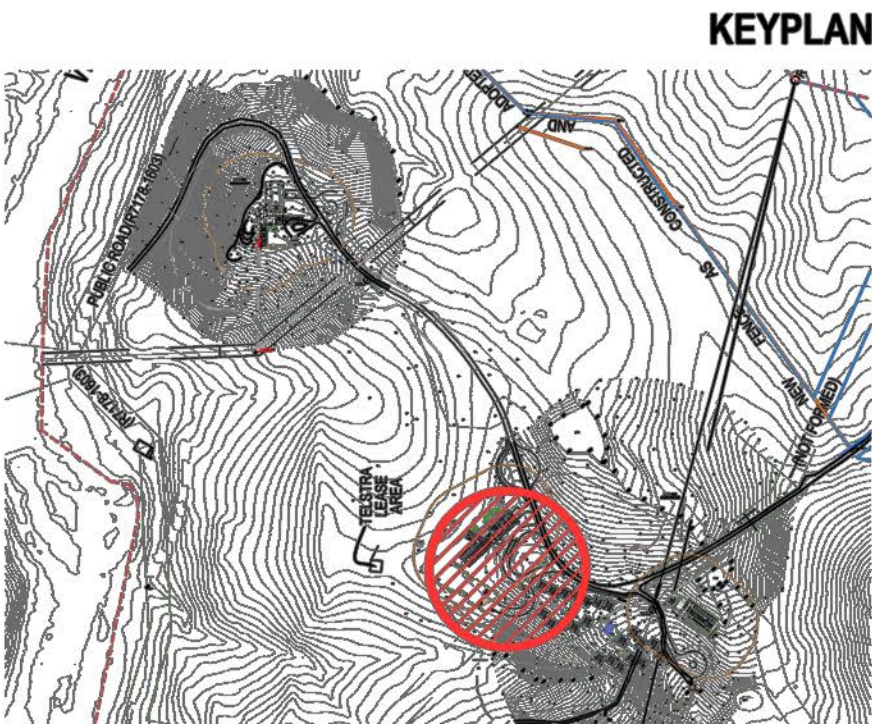
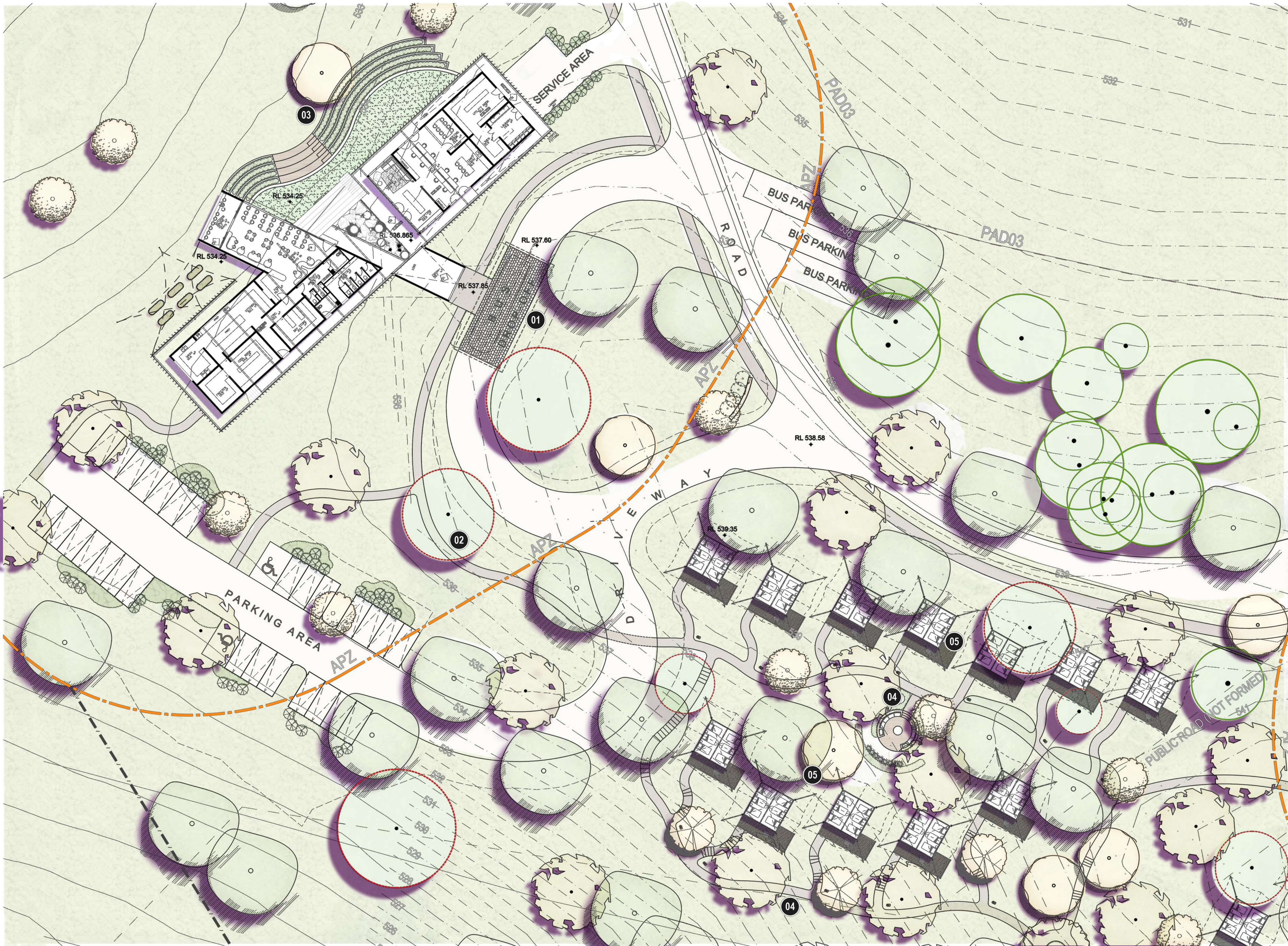
OVERALL SITE PLAN



STAGE 1

DESIGN NOTES

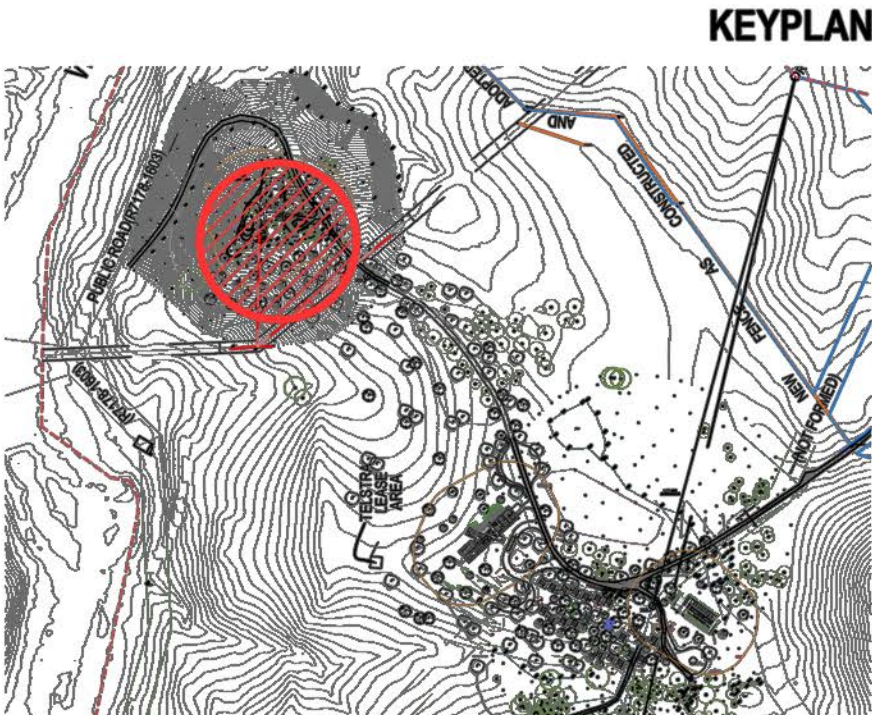
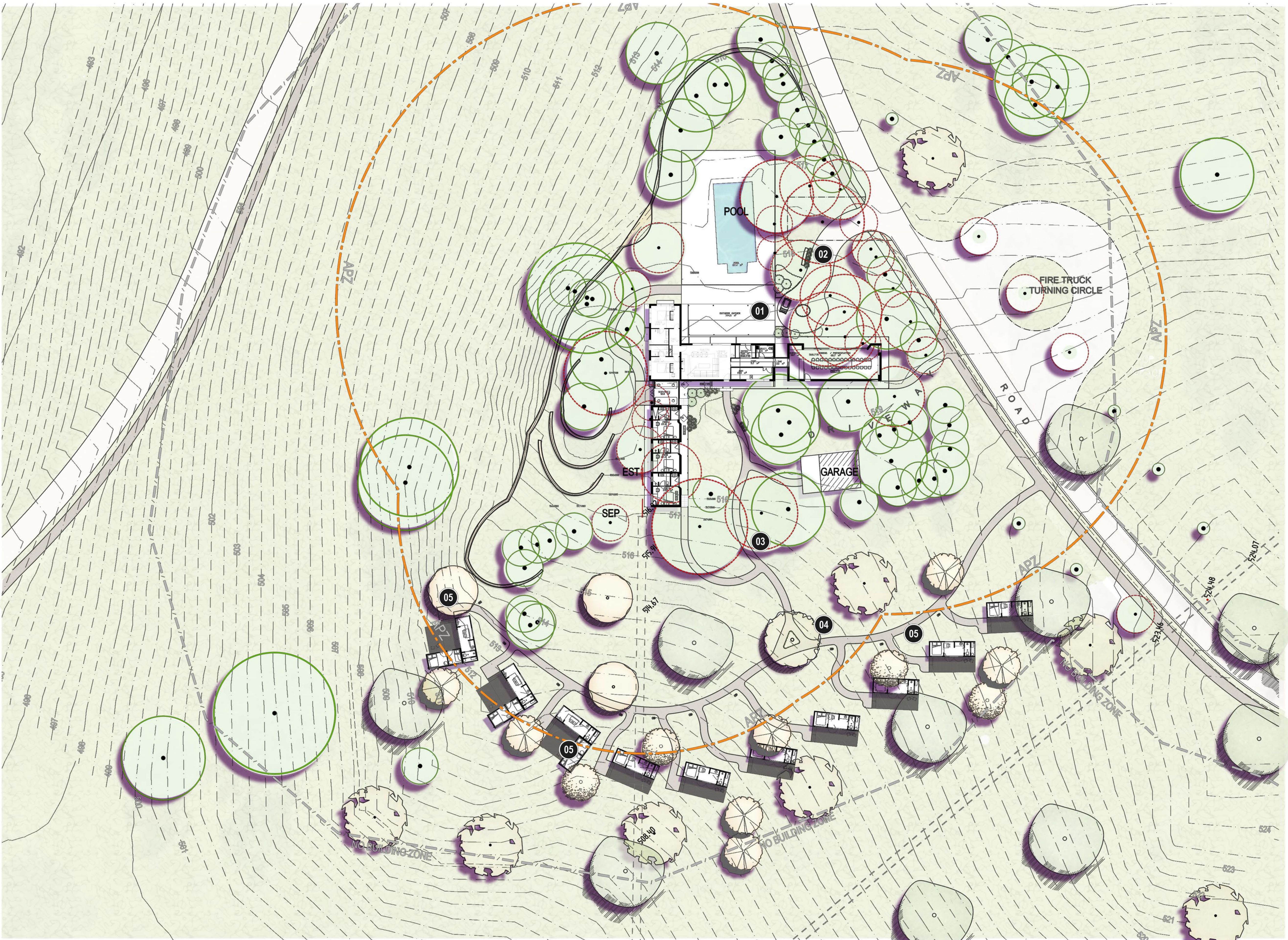
- 01 BUS DROP-OFF AREA
- 02 MEANDERING PATH WITH TRELLIS
- 03 AMPHITHEATER SEATING WITH STEPS VEGETABLE GARDEN
- 04 COMMUNAL SEATING WITH FIRE PIT
- 05 ARRIVAL VILLAGE GLAMPING AREA



ARRIVAL VILLAGE PLAN

DESIGN NOTES

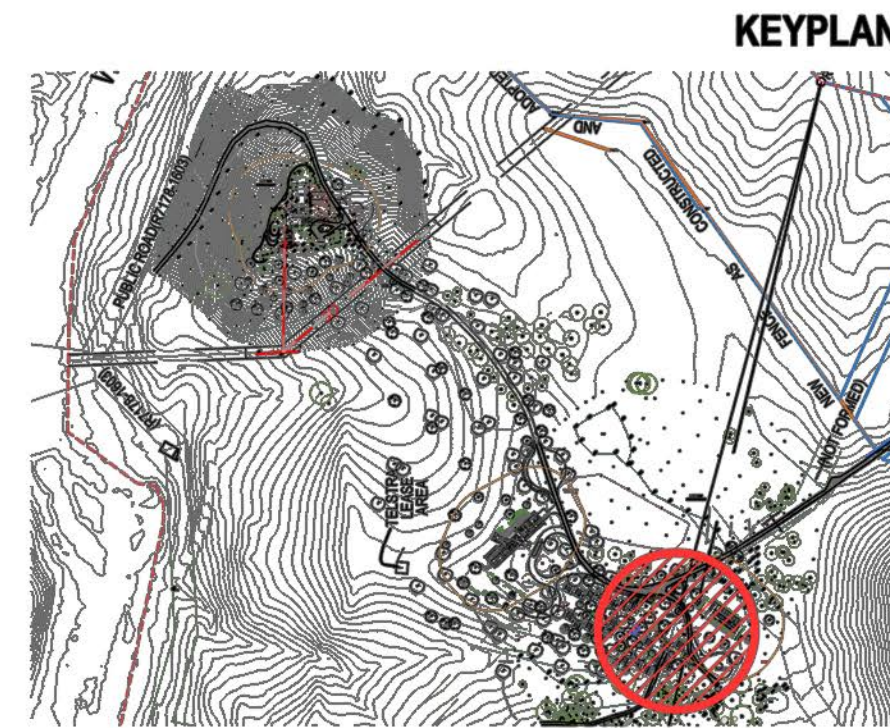
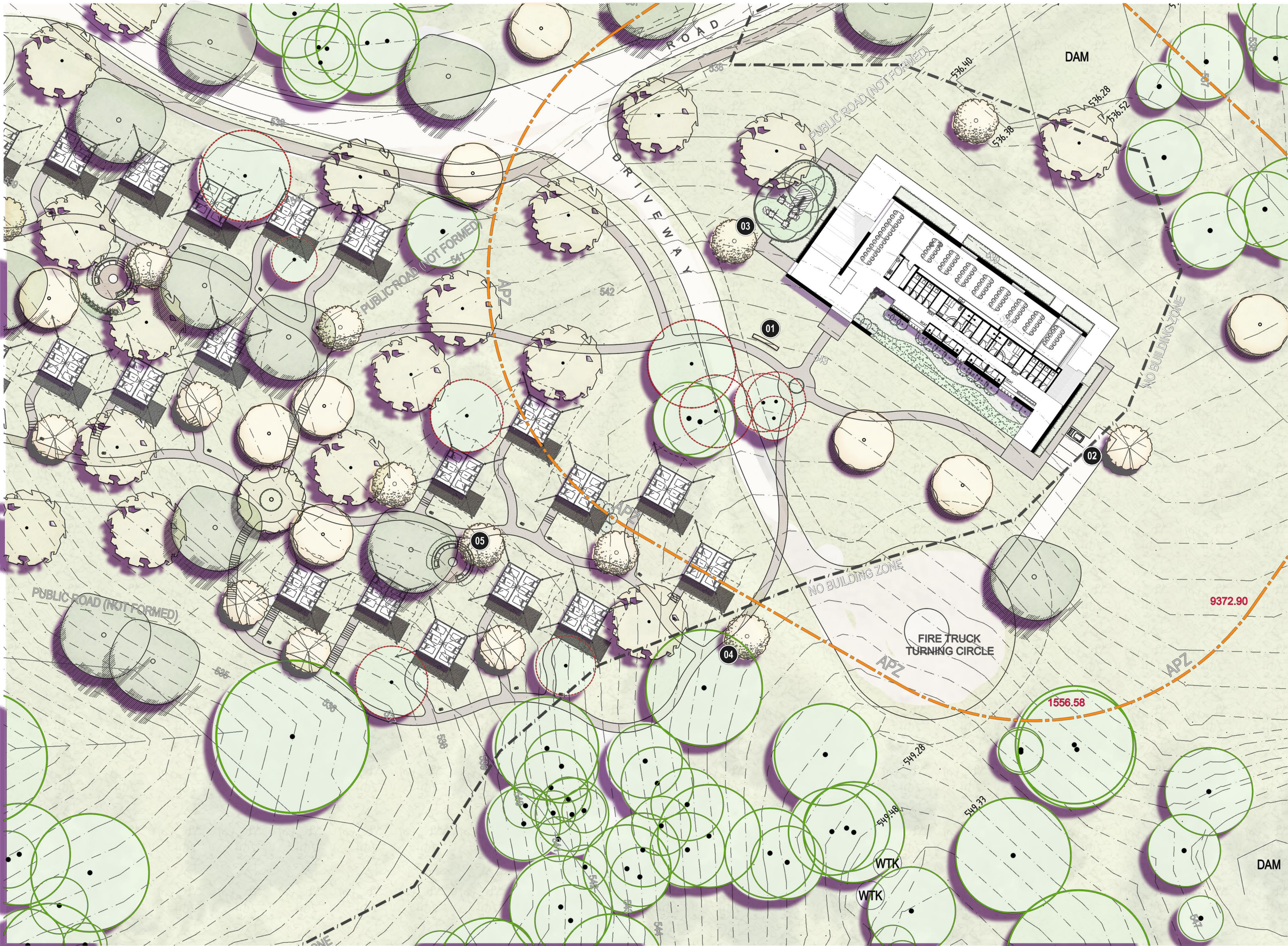
- 01 COMMUNITY 1 DROP-OFF AREA
- 02 COMMUNITY BUGGY CART DRIVEWAY
- 03 MEANDERING PATHWAY WITH TRELLIS
- 04 FEATURE TREE CONNECTING PATHWAYS LEADING TO CABINS
- 05 COMMUNITY 1 CABINS



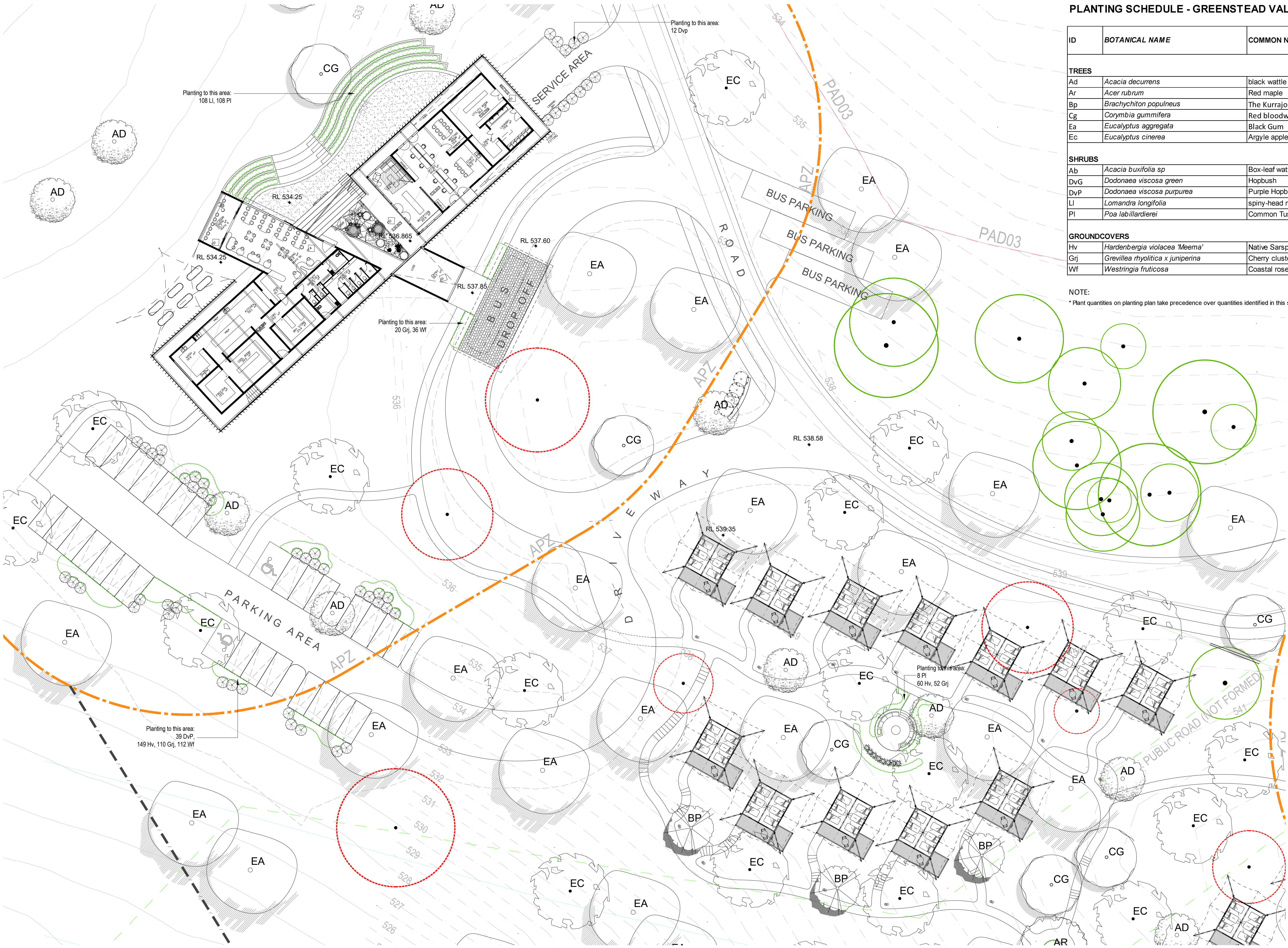
COMMUNITY 1 PLAN

DESIGN NOTES

- 01 COMMUNITY 2 SIGNAGE
- 02 COMMUNITY 2 SERVICE ACCESS
- 03 COMMUNITY 2 KIDS PLAY AREA
- 04 MEANDERING PATHWAY
- 05 COMMUNITY 2 COMMUNAL SEATING WITH FIRE PIT



COMMUNITY 2 PLAN

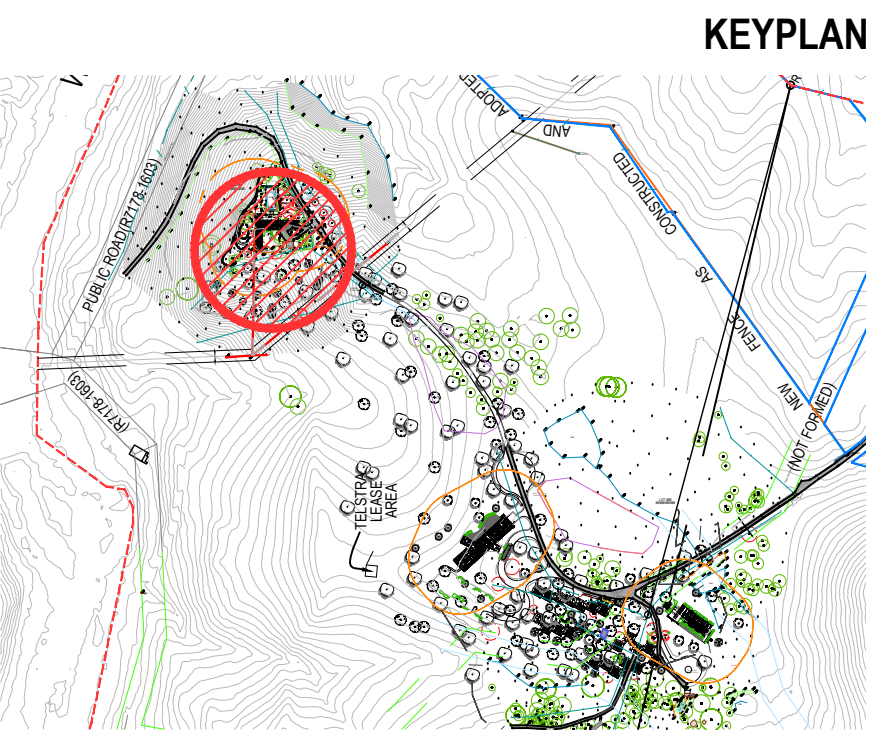


PLANTING SCHEDULE - GREENSTEAD VALLEY

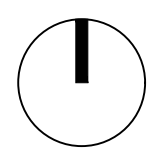
ID	BOTANICAL NAME	COMMON NAME	MATURE HEIGHT (m)	SPREAD (m)	POT SIZE	QUANTITY
TREES						
Ad	Acacia decurrens	black wattle	10	5	75L	20
Ar	Acer rubrum	Red maple	12	9	100L	2
Bp	Brachychiton populneus	The Kurrajong	15	6	75L	14
Cg	Corymbia gummifera	Red bloodwood	25	8	100L	17
Ea	Eucalyptus aggregata	Black Gum	20	12	100L	76
Ec	Eucalyptus cinerea	Argyle apple	12	8	100L	52
SHRUBS						
Ab	Acacia buxifolia sp	Box-leaf wattle	1.5	1.5	300mm	12
DvG	Dodonaea viscosa green	Hopbush	2	1.5	300mm	21
DvP	Dodonaea viscosa purpurea	Purple Hopbush	2	1.5	300mm	52
Li	Lomandra longifolia	spiny-head mat-rush	0.5	0.5	300mm	123
Pi	Poa labillardierei	Common Tussock-grass	1.2	0.5	300mm	123
GROUNDCOVERS						
Hv	Hardenbergia violacea 'Meema'	Native Sarsprilla	0.5	2	200mm	381
Gj	Grevillea rhyolitica x juniperina	Cherry cluster	0.5	1.2	200mm	368
Wf	Westringia fruticosa	Coastal rosemary	0.5	1.5	200mm	273

NOTE:
* Plant quantities on planting plan take precedence over quantities identified in this schedule.

DRAFT



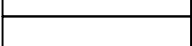
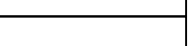
COMMUNITY 1 PLANTING PLAN

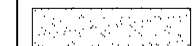
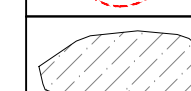


SCALE 1:250 @ A1

0 2.5 5 10 15m

LEGEND

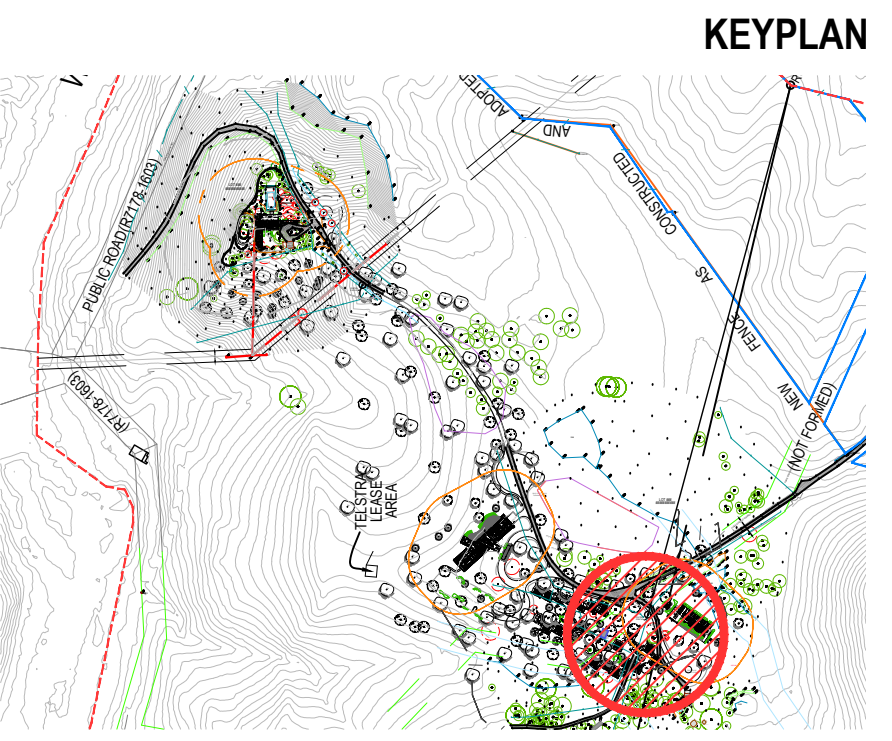
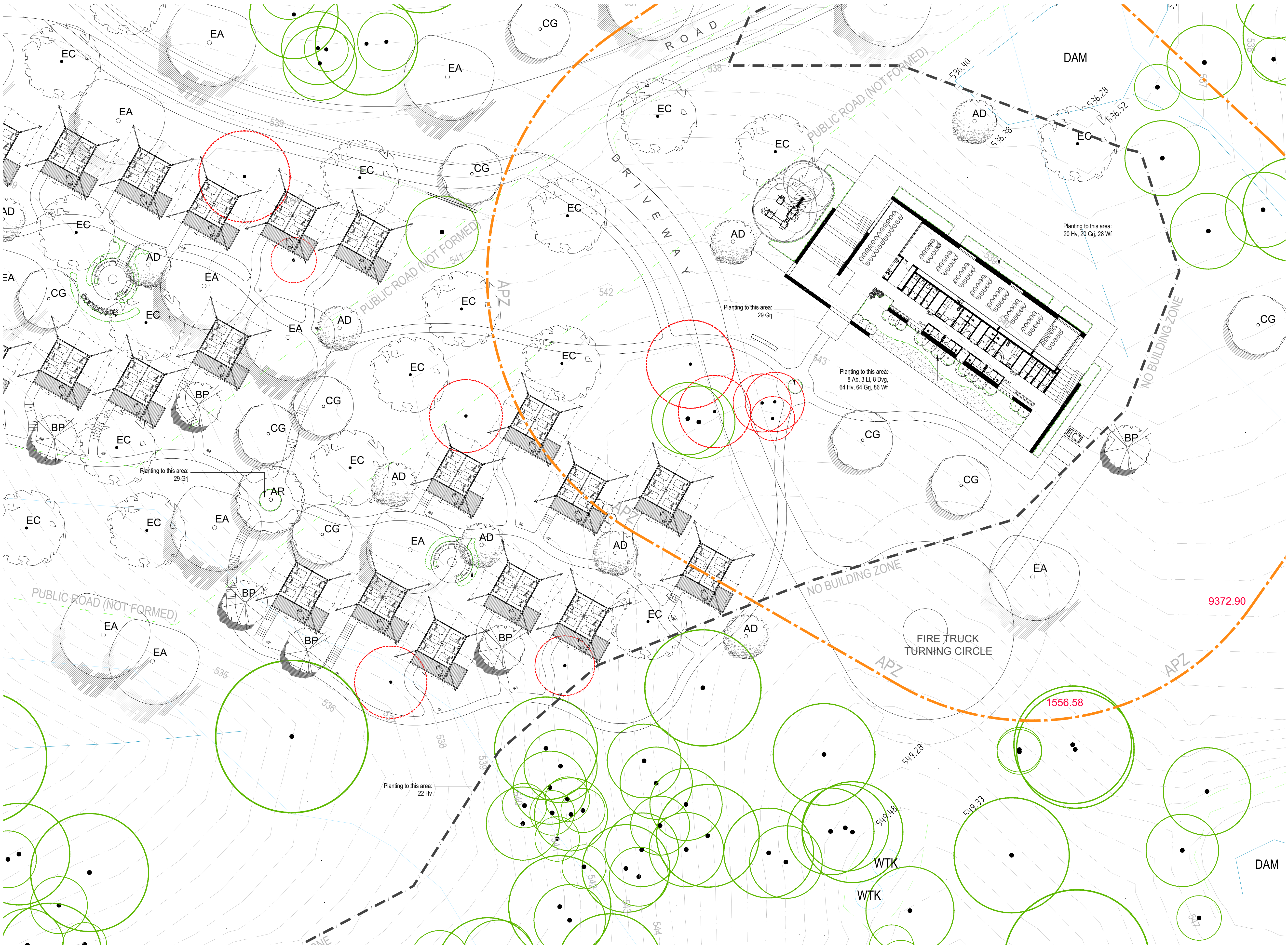
	SITE BOUNDARY		NO BUILD ZONE
	APZ ZONE LINE		FIRE ENGINE ACCESS

	EX 396.70	EXISTING SPOT LEVEL		EXISTING TREE TO BE RETAINED
	RL 396.70	PROPOSED SPOT LEVEL		EXISTING TREE TO BE REMOVED
	20.0	EXISTING CONTOUR		TURF <i>Paspalum vaginatum</i>
	18.5	PROPOSED NEW CONTOUR		PROPOSED TREES
				PROPOSED GROUNDCOVERS

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LA07



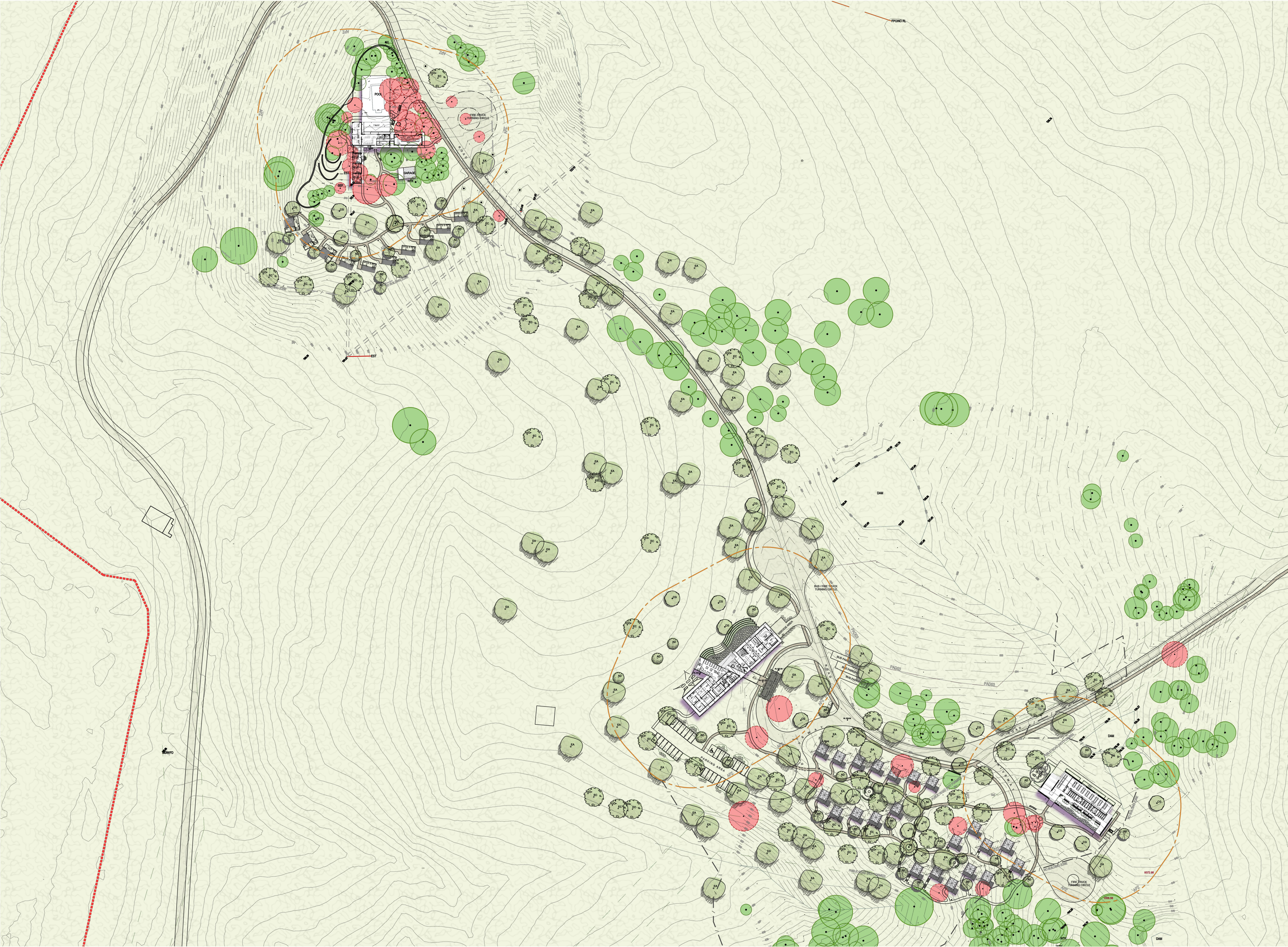
COMMUNITY 2 PLANTING PLAN

SCALE 1:250 @ A1

0 2.5 5 10 15m

LEGEND

	SITE BOUNDARY		NO BUILD ZONE		EXISTING SPOT LEVEL		EXISTING TREE TO BE RETAINED		EXISTING TREE TO BE REMOVED		TURF <i>Paspalum vaginatum</i>	Project: Greenstead Valley Client: FHC Revision: 07.03.2024 C Drawn: RA Checked: MT TaylorBrammer TAYLOR BRAMMER LANDSCAPE ARCHITECTS PTY LTD SYDNEY STUDIO 218 Oxford Street, Woolloomooloo, NSW, 2025 E: sydney@taylorbrammer.com.au T: 61 2 9387 8855 Copyright of Taylor Brammer Landscape Architects Pty Ltd ABN 61 096 724 988
	APZ ZONE LINE		FIRE ENGINE ACCESS		PROPOSED SPOT LEVEL		PROPOSED TREES		PROPOSED GROUNDCOVERS			
					EXISTING CONTOUR							
					PROPOSED NEW CONTOUR							



LEGEND:

PROPOSED NEW TREES

EXISTING TREES RETAINED

PROPOSED REMOVED TREES

OVERALL TREE REMOVAL, RETENTION & REPLENISHMENT PLAN

SCALE 1:1000 @ A1
0 10 20 40 60 80 100 m

SITE BOUNDARY

20.0 EXISTING CONTOUR

19.5 PROPOSED NEW CONTOUR

EXISTING TREE TO BE RETAINED

EXISTING TREE TO BE REMOVED

PROPOSED GROUNDCOVERS

TURF *Paspalum vaginatum*

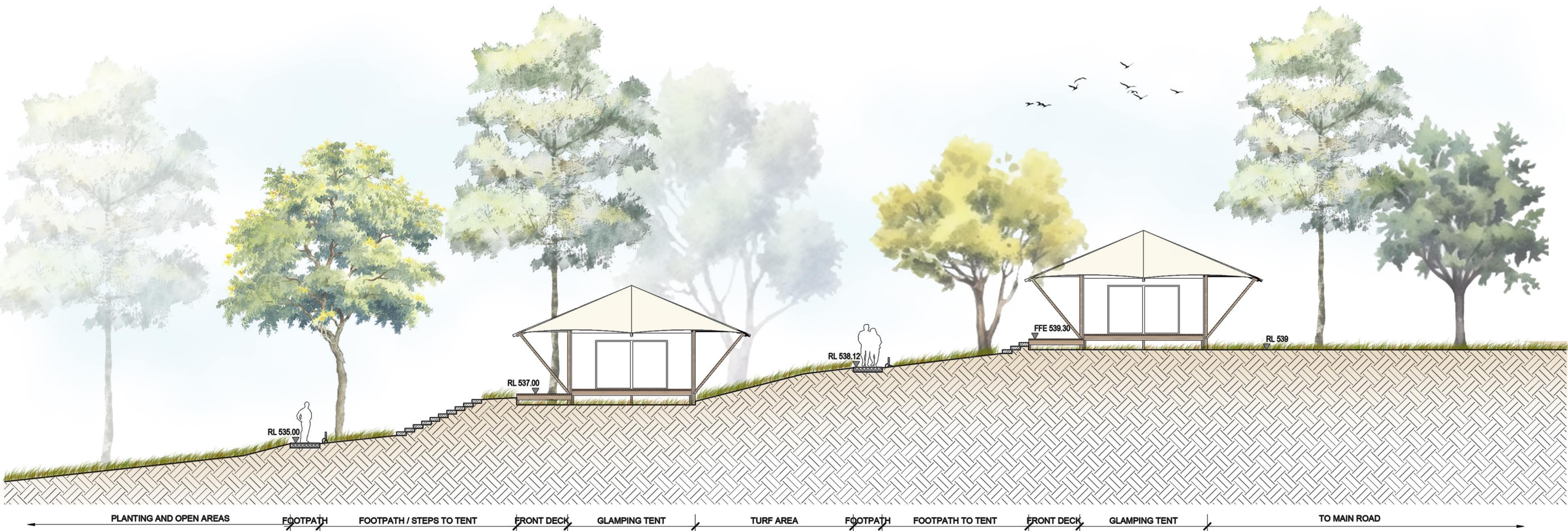
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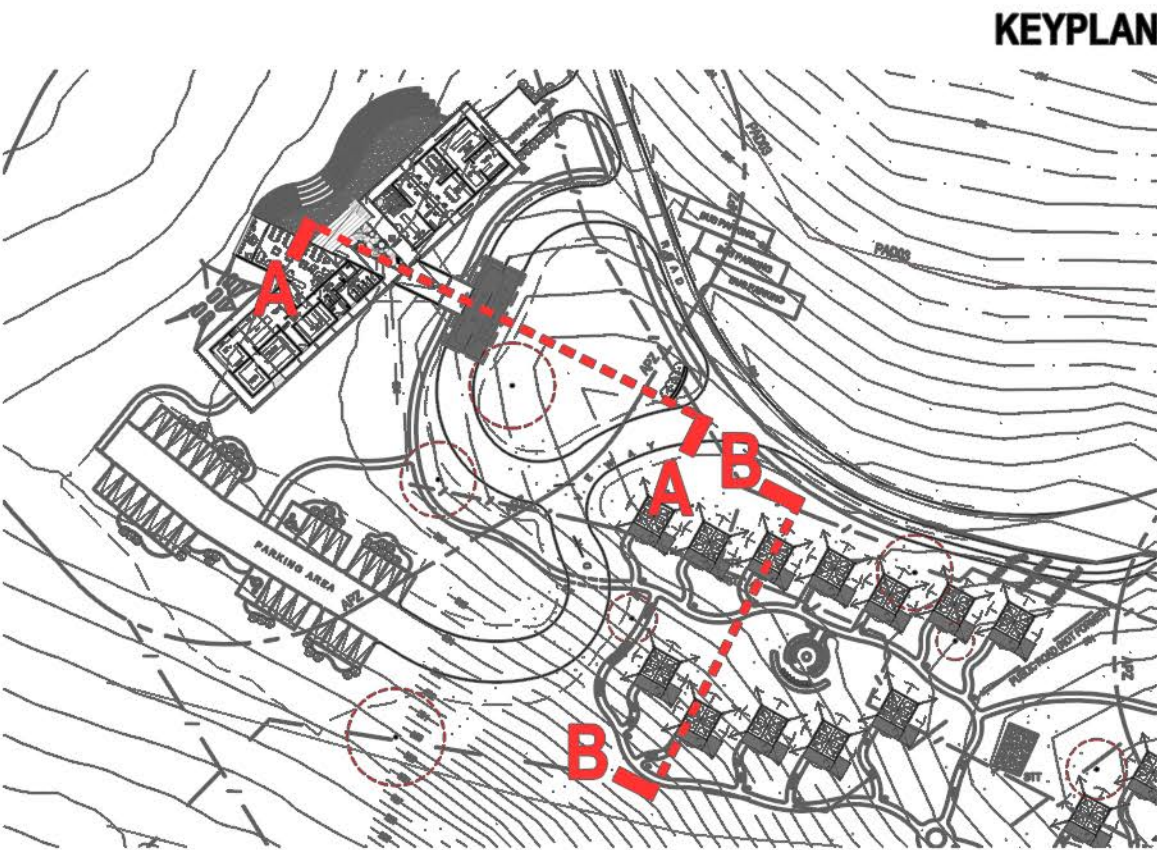
LA09



SECTION AA



SECTION BB



ARRIVAL VILLAGE SECTIONS



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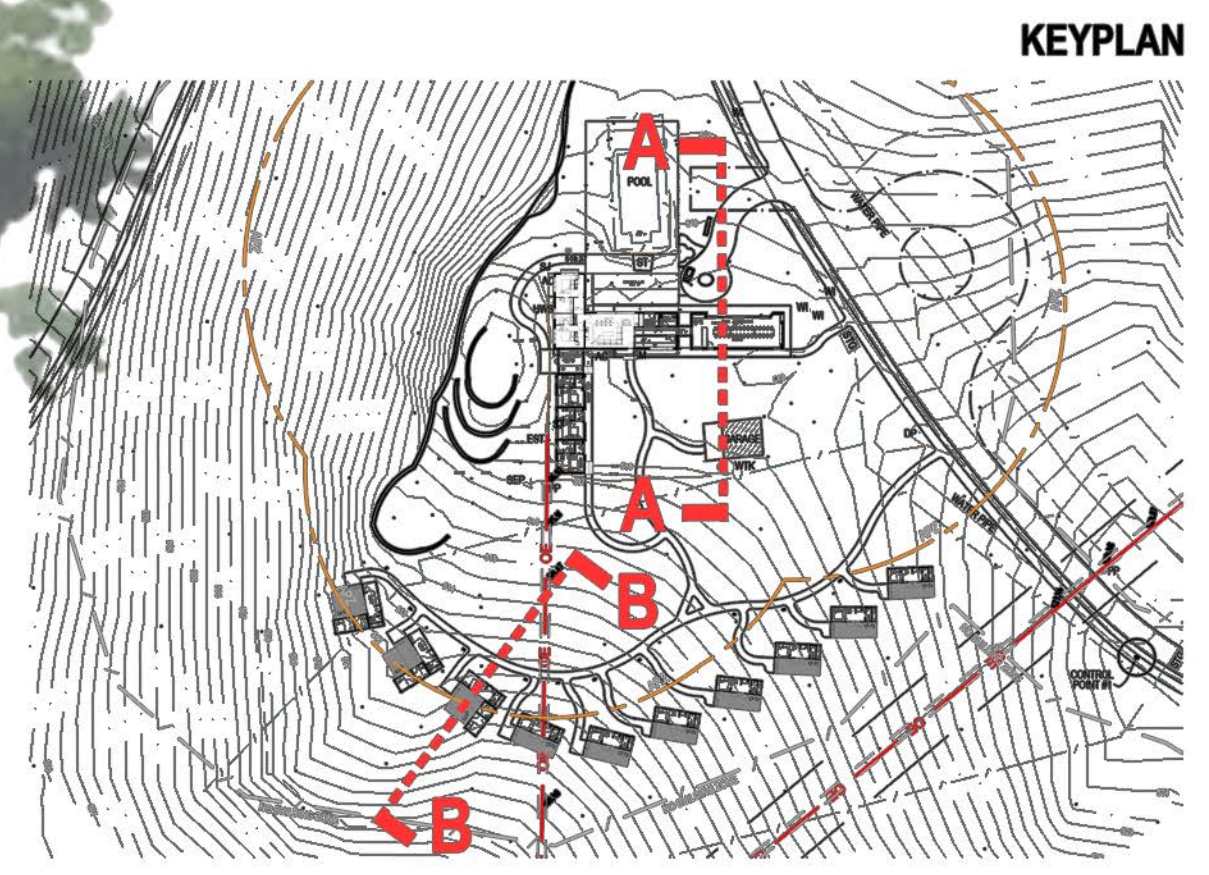
LA10



SECTION AA

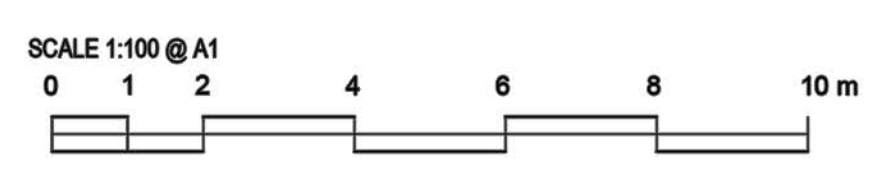


SECTION BB



KEYPLAN

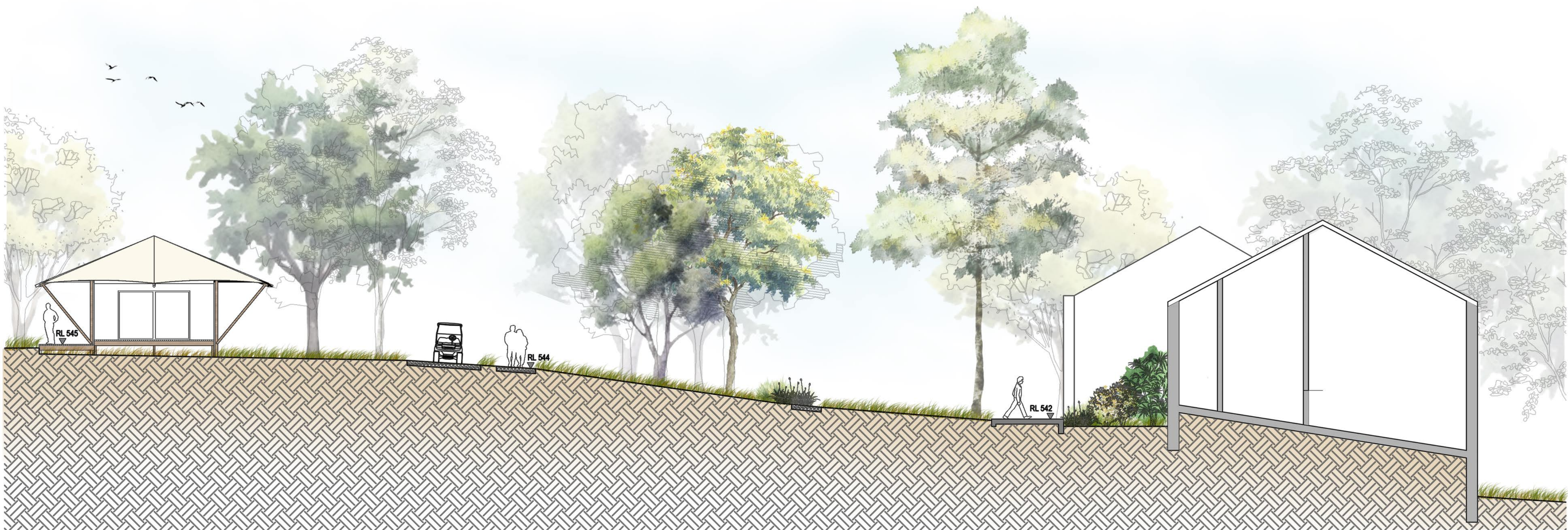
COMMUNITY 1 SECTIONS



Project: Greenstead Valley
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LA11



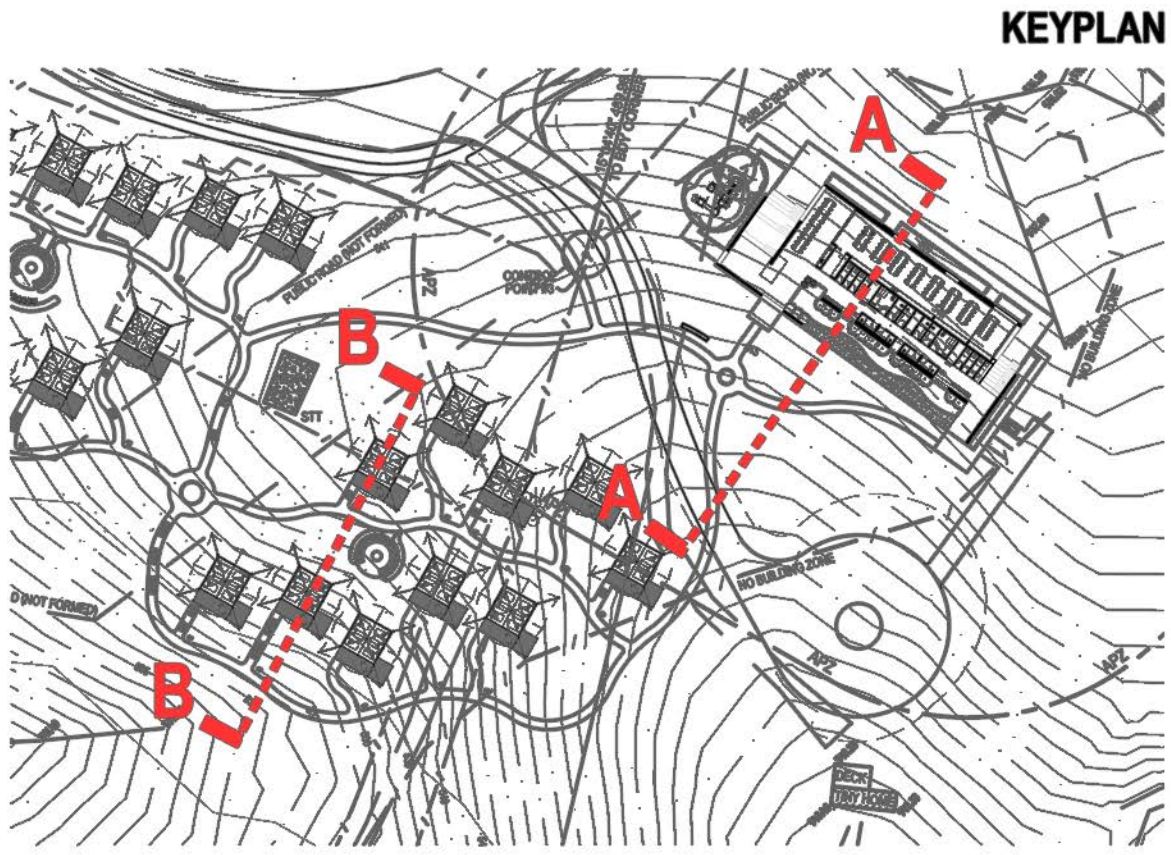
GLAMPING TENT PLANTING FIRE ENGINE ACCESS / BUGGY CART PLANTING / FOOTPATH DROP-OFF PLANTING COMMUNITY 2 BLDG TO ARCH DETAIL EVENT OPEN SPACE

SECTION AA



OPEN AREA SCENIC VIEW FOOTPATH FOOTPATH / STEPS TO TENT FRONT DECK GLAMPING TENT PLANTING AREA FOOTPATH TO TENT FRONT DECK GLAMPING TENT VIEW TO COMMUNITY 2 BLDG

SECTION BB



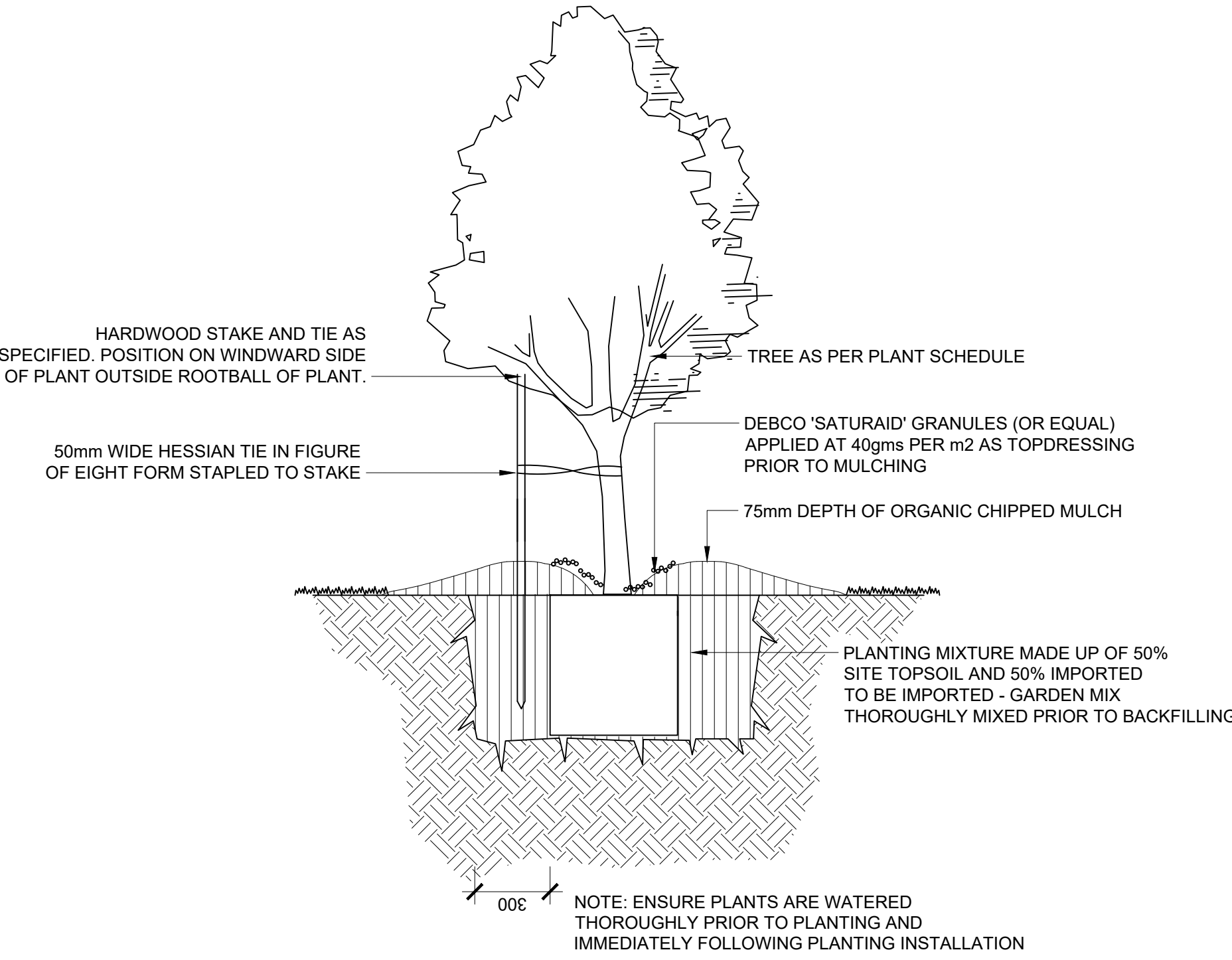
SCALE 1:100 @ A1
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COMMUNITY 2 SECTIONS

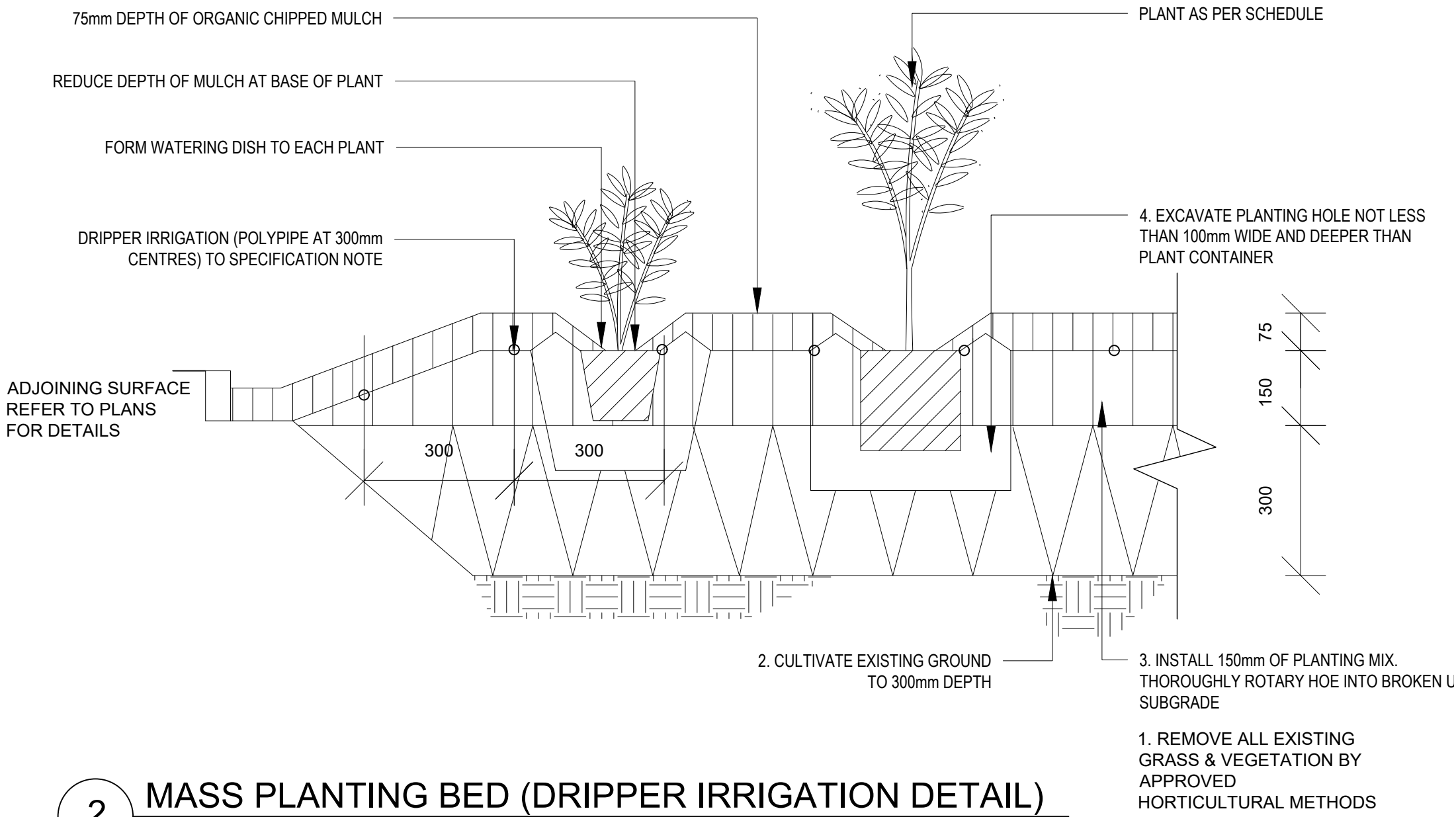
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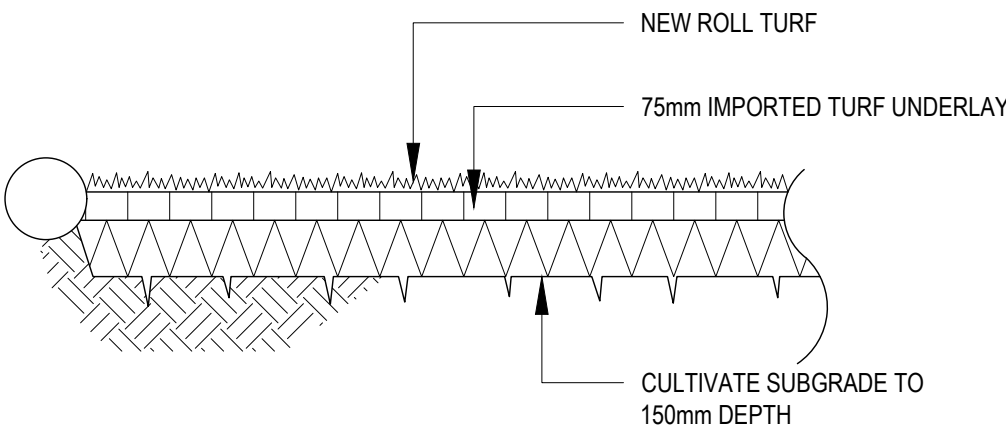
LA12



1 TREE PLANTING
TYPICAL SECTION 1:20



2 MASS PLANTING BED (DRIPPER IRRIGATION DETAIL)
TYPICAL SECTION 1:10



3 TURF
TYPICAL SECTION 1:20

LANDSCAPE DETAILS

Project: Greenstead Valley
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LA13

PLANTING PROCUREMENT SPECIFICATION

1 GENERAL

1.1 Responsibilities
General
Requirement: Provide plants as documented.
1.2 Standard
General
Tree stock supply: Conform to the recommendations of AS 2303.
1.3 Interpretation
Definitions
General: For the purposes of this worksection the definitions given in AS 2303 and the following below apply:
- Destructive inspection (of trees): The washing away of all soil from a rootball to allow inspection of rootball development.
- Investigative inspection: Any method of root inspection that involves the washing away of all or portions of the soil from the rootball to expose a section or all the roots.
- Known history: Supplier documentation, demonstrating and enabling verification that the product was grown by essentially the same processes and under essentially the same system of control.
- Large tree: A tree grown in a container not less than 20 L or ex-ground with a minimum rootball diameter of 400 mm.
- Partial inspection (of trees): A method of exposing a section of a root system to enable inspection of root development by washing the soil away in a wedge-shaped section from the stem to the extremity of the rootball. This soil can be gently replaced so the tree is not damaged.
- Shrub: A woody perennial plant smaller than a tree, usually having permanent stems branching from or near the ground.
- Small trees: Tree or shrub grown in a container less than 20 L (other than tubes or plant cells) or ex-ground trees of size index less than 35.
1.4 Submissions
Photographic examples
Requirement: Submit photographic examples as follows:
- 100, 200, 400 L plant species.
- Specimen plant species.
Program: Within fourteen (14) days of the date of contract.
Clarity: Sufficient to be able to ascertain the species, size and quality of a single specimen of the subject plant.
Identification: Provide photographs as follows:
- In colour.
- With a clearly identifiable scale reference located in the same plane as the plant stem or trunk.
- Labelled with plant species name.

2 PRODUCTS

2.1 Plants - General assessment criteria
General
Requirement: Supply trees to AS 2303 and with the following properties:
- Stress: Free from stress resulting from inadequate watering, excessive shade or excessive sunlight experienced at any time during their development.
- Site environment: Grown and hardened off to suit anticipated site conditions at the time of delivery.
- Native species with a history of attack by native pests: Restrict plant supply to those with evidence of previous attack to less than 15% of the foliage and make sure of the absence of actively feeding insects.
Labelling
General: To AS 2303 clause 2.2.1.
Label type: To withstand transit without erasure or misplacement.
2.2 Above-ground assessment criteria - trees
General
Requirement: Supply trees to AS 2303 clause 2.2 and with the following properties:
- Clean stem height: < 40% of total tree height.
- Trunk position: Variation in distance from the centre of the trunk to the extremity of the rootball:
. < 10%.
- Tree stock in containers less than 45 L: Self-supporting at dispatch.
- Pest and diseases: No evidence of active pests and diseases.
- Indication of north: Trees in containers greater than 100 L or of Size Index greater than 140:
. Label the northerly aspect during growth in the nursery and maintain during transit.
2.3 Below-ground assessment criteria - trees
General
Requirement: Supply trees to AS 2303 clause 2.3 and with the following properties:
- Rootball occupancy: Soil retention:
. On shaking or handling the unsupported rootball, at least 90% of the soil volume is to remain intact.
- Rootball diameter:
. Containers less than or equal to 45 L and ex-ground stock: ≥ to rootball depth.
. Bare-rooted tree stock with size index less than or equal to 57: ≥ 10 x calliper
- Pest, diseases and weeds: No evidence of active pests, diseases and weeds.
2.4 Below-ground qualities - shrubs
Root system
Requirement: Supply plant material with a root system as follows:
- Well-proportioned in relation to the size of the plant material.
- Conductive to successful transplantation.
- Free of any indication of having been restricted or damaged.
Root inspection: If inspection is by the removal of soil test such as destructive inspection, sample as follows:
- For > 100 samples: Inspect 1%.
- For < 100 samples: Inspect 1 sample.
Sample plants: Replace plants used in inspection.
Rejection: Do not provide root bound stock.

3 EXECUTION

3.1 Pre-completion tests
Production tests
Sampling: Select sample trees, of known history, at evenly distributed intervals within each batch.
Above ground tree inspection:
- Frequency: Inspect trees at dispatch.
- Sampling strategy: To AS 2303 Appendix A Table A1.
- Inspector: Supplier.
Investigative tree inspection:
- Frequency: Inspect trees before dispatch.
- Inspector: Qualified person authorised by the contract administrator.
- Destructive inspection: Use for trees with rootballs/containers not more than 200 mm.
- Allowance: Allow for sample trees in addition to quantity ordered.
- Partial inspection: Use for trees with rootballs/containers more than 200 mm.
3.2 Warranties
True-to-species
Parties: Supplier(s) to the principal.
Form: All the plants supplied under these works are true-to-species and type, and free of disease, fungal infection and/or any other impediment to their future growth and that they have been fully acclimatised for the conditions of the site.
Submission of warranty: At the time of each delivery.

NOTE:

- ALL NEW TREES TO BE GROWN TO AUSTRALIAN STANDARD 2303:2015 'TREE STOCK FOR LANDSCAPE USE' AT TIME OF PLANTING

IRRIGATION PERFORMANCE SPECIFICATION

1 GENERAL

Provide irrigation systems as a design and construct portion of the landscape works. Works to be completed by specialised irrigation contractor.
General: Provide automatically controlled fixed irrigation systems as follows.
- Automatically irrigate all gardens on grade by means of subsurface drip irrigation
- Achieve the documented flow rates over the irrigated area.
- Meet statutory requirements for backflow prevention.
2 SHOP DRAWINGS
Shop drawings
General: Submit drawings and schedules showing the layout and details of the system, including the following:
- Sub surface dripper pipe layout.
- Irrigation controller locations and valve box locations and types.
3 PRODUCTS
Automatic control valves
General
Type: 24 V solenoid actuated hydraulic valves with flow control and a maximum operating pressure rating of at least 1 MPa.
Construction: Stainless steel bonnet holding down bolts and internal metal parts of stainless steel, able to be serviced without removal from the line.
Isolating valve: Provide a gate valve of the same size immediately upstream of each automatic control valve.
Fixed location systems
Check valves: If a rotating head is more than 300 mm below the highest head on the same automatic valve, fit an internal or external anti-drain
check valve to prevent low head drainage.
Pressure regulating valves: Provide pressure regulating valves at off-take points as follows:
- Adjustable between 100 and 700 kPa.
- Complete with 800 µm filter sized to suit the flow and installed immediately upstream from the pressure regulating valve.
- Installed with isolating valves upstream from the filter and downstream from the pressure regulating valve.
- Fitted for backflow prevention.
- Mount the assembly in an accessible position in a valve box, access pit or adjacent building.
Soil moisture sensors
Type: Fixed ceramic moisture sensors.
Connection: Fit to the irrigation controller via moisture control units.

Irrigation controllers
Construction: Provide automatic controllers that are easily programmed and include the following:
- Manual cycle and individual control valve operation.
- Manual on/off operation of irrigation without loss of program.
- ≥ 4 on/off cycles per day.
- Day omit.
- 240 V input and 24 V output capable of operating 2 control valves simultaneously.
- ≥ 24 hour battery program backup.
- Power surge protection.
- Cabinet: In external locations mount in a lockable cabinet minimum IP 54 to AS 60529.
- Electrical connection: Where connected to wall outlets, provide 3 core 10 A, 240 V flexible cord and plug. Provide an isolating switch at the controller.

Integrated drip line systems
Construction: Tubing with integral drippers inserted into the tube during manufacture.
Fittings
Type: Barbed fittings rated for the pressure class of the pipe, fastened with ratchet type clamps.
Valve boxes
Requirement: Provide the following in each valve box:
- Automatic control valve.
- Isolating valve.
- Filter: 100 µm.
- Pressure-reducing valve with 170 kPa outlet pressure.
2.4 Valve boxes
General
Construction: UV-resistant high impact plastic with high impact snap lock plastic cover.
Location: Support on bricks at each side. Install with top, as follows:
- At finished ground level.

Isolating valves
General
Type: Gate valves with a minimum diameter of 100 mm.
Construction: Cast iron or ductile iron, with a minimum pressure rating of 1 MPa.
Location: Install in a valve box, access pit or adjacent building.
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