ANOA HABITAT
AREA: 320m2

ANOA HABITAT
AREA: 260m2

POND
2.5m Deep

DITCH

SERVICE ACCESS

SKIP

HABITAT C - MIXED
1000m2

HABITAT B - MAIN HABITAT
AREA: 1600m2

HABITAT A - MALE
AREA: 800m2

Viewing

ENTRANCE
GATEWAY

SHELTER
40M2

VILLAGE
PLAY

TIGER HABITAT

VIEWING
STRUCTURE
40M2

BABIRUSA HOUSE
78M2

Keeper
Yard

Yard
20M2

BABIRUSA AREA
420M2

BABIRUSA AREA
330M2

SHELTER

SUB STATION

SEWAGE
PLANT

Orton Hill
Asphalt – National Speed Limit

LEGEND

GENERAL

- Planning Boundary
- Existing Surface Level (+00.00 ex)
- Proposed Surface Level (+00.00)
- Top of Wall Level (+00.00 TOW)
- Base of Wall Level (+00.00 BOW)
- Finished Floor Level (Internal) (+00.00 FFL)
- Falls (1:22 ...)
- Proposed contours (132.00 ...)

BOUNDARY

- F1 Barrier Type 1
 Orangutan Habitat Fencing (Mesh with Anticlimb overhang)
 Overall fence height 4.8m high with steel chain link
 Timber Posts: 250mm Ø FSC softwood pressure treated timber posts
- F1A Barrier Type 1A
 Orangutan Habitat Fencing (Mesh with Anticlimb overhang and 1 x solid timber clad)
 Overall fence height 4.8m high with steel chain link and anticlimb on animal side and Public fronting face to be treated with 3-4m high close board fencing.
- F2B Barrier Type 2B
 Orangutan Habitat Fencing (Two Sided)
 Animal containment with both sides being clad to ensure smooth faced no climbable surface. Cladding Material: 1.2 gauge prime galvanised corrugated sheets powder coated both sides or equal approved with flashing cover to match
- F3 Barrier Type 3
 2 x no panels: Large viewing window integrated within main habitat containment wall. 38.04mm tempered laminated glass within steel frame: 3m high x 2.5m long within enclosure wall and visitor structure.
 Frame: Heavy duty PPC steel frame to fabricator - Colour black
- F3A Barrier Type 3A
 2 X no. Small viewing window integrated within Babirusa containment fencing
 22mm tempered laminated glass within steel
 frame: 1.6m high x 2m long within enclosure wall and visitor structure.
 Frame: Heavy duty PPC steel frame to fabricator - Colour: Black
- F3B Barrier Type 3B
 Medium viewing window integrated within main habitat containment wall. 39.04mm tempered laminated glass within steel frame: 2m high x 4m long within enclosure wall and visitor structure.
 Frame: Heavy duty PPC steel frame to fabricator - Colour: Black
- F4A Barrier Type 4A
 Standard Rope standoff fence
 Dimension: 1200mm high. Rope and square mesh infill to 1.2m high
 Posts: 100mm x 100mm x 1.5m treated timber posts set at 1.8m centres.
 Foundation: Posts set within ground
- F5 Barrier Type 5
 Rustic timber screening to boardwalk
 Dimension: 2000-2500mm high. Panel: Treated natural hardwood Eucalyptus poles, bark stripped.
- F6 Barrier Type 6
 2.4m high Rustic Timber fencing to Babirusa area with mesh internal face.
 Treated natural hardwood Eucalyptus poles, bark stripped. Mesh: 10 gauge 50 x 50 mm PVC coated / galvanised core mesh installed diagonally between fence posts.
- F7 Barrier Type 7
 Decorative Timber Balustrade to the elevated boardwalk
 Dimension: 1200mm high balustrade. Panel: 60mm (1.5mm mesh)
 Webnet Balustrade mesh infill.
- F8 Barrier Type 8
 Babirusa enclosure mesh to 1.3m high, formed from 10 gauge 50 x 50 mm PVC coated on softwood pressure treated timber posts.
- F9 Barrier Type 9
 1.8m high timber post and chainlink fence to form new zoo lisence fencing.
 Mesh: High tensile mesh net: Tornado R19.180/5 or equal approved.
- F9A Barrier Type 9A
 Existing Zoo Licence fence retained and made good where required
- F10 Barrier Type 10
 Decorative timber and mesh fence to Animal Habitat.
 Dimension: Rustic timber fixed to public facing side of fencing:
 Mesh:10 gauge 50 x 50 mm PVC coated/galvanised core mesh installed to rear.
- F14 Barrier Type 14
 Closed Board Timber fence: 1.2m high
 Refer to HLM Landscape information for spec.
- F15 Barrier Type 15
 Closed Board Timber fence: 1.8m high
 Refer to HLM Landscape information for spec.

GATES

- G1 Gate - Type 01
 Vehicle Gate (to Orangutan Habitat)
 Dimension: 4500mm high x 3000mm wide
- G2 Gate - Type 02
 Single access keeper to Babirusa.
 Dimension: 1500mm high x 1500mm wide
- G3 Gate - Type 03
 Double access keeper standoff gate.
 Dimension: 1500mm high x 3000mm wide
- G4 Gate - Type 04
 Single access keeper standoff gate.
 Dimension: 1200mm high x 1500mm wide
- G5 Gate - Type 05
 Single swing steel gate with weldmesh infill within the zoo licence fence
 Product: CLD Lockmaster Gate
 Dimension: 2400mm high x 1500mm wide.
- G6 Gate - Type 06
 Vehicle gate. (To animal Habitat)
 Dimension: 1500mm high x 2400mm wide
- G7 Gate - Type 07
 Double swing steel gate with weldmesh infill within the zoo licence fence
 Product: CLD Lockmaster Gate
 Dimension: 2400mm high x 3000mm wide.
- G7A Gate - Type 07A
 Double swing steel gate with weldmesh infill within boundary fence
 Product: CLD Lockmaster Gate
 Dimension: 2400mm high x 4000mm wide.
- G8 Gate - Type 08
 Animal Slider. Sliding doors between External Habitats
 Size: 0.8m (w) x 1m (h).
- G9 Gate - Type 09
 3M wide Single leaf vehicular access gate.
 Refer to HLM Landscape information for spec.
- G10 Gate - Type 10
 6M wide Double leaf vehicular access gate.
 Refer to HLM Landscape information for spec.
- G11 Gate - Type 11
 Animal Slider. To animal Habitat
 Opening: Horizontal sliding doors.
 Size: 0.8m (w) x 1m (h).

HARD LANDSCAPE

- Paving Type 1
 Self bound aggregate (Buff color) to public pathways to be edged with timber edging.
- Paving Type 2
 Vehicle grade loose Hoggin surface to service areas, with concrete kerb edging.
- Paving Type 3
 Composite decking with antislip grips to elevated boardwalk.Millboard - or equal and approved.PTV rating of 85. Gripsure or similar approved.
- Paving Type 4
 150-200mm deep rubbercrumb saftey surface to play areas where CPH requires depth. To be edged using flush timber edging.

SOFT LANDSCAPE

- EXISTING TREES RETAINED
 Trees to be retained as part of the development. Refer to drawing: TWZ-DZU-00-00-DR-L-00103-P01 Tree Removal Plan
- TREE RPA EXTENT
 Dashed line denotes the extent of the tree RPA
- PROPOSED MOUNDING
 1:3 Mounding areas of varying heights to provide undulating landscape
- PROPOSED PLANTING
 Refer to drawing: TWZ-DZU-00-00-DR-L-00400 Planting Strategy for detail on proposed trees
- PROPOSED PLANTING
 Refer to drawing: TWZ-DZU-00-00-DR-L-00400 Planting Strategy for detail on shrubs and general planting

LANDSCAPE ELEMENTS

- Proposed Timber structures
 Asian themed Timber buildings, for interpetation and education purposes.
- Proposed Animal House
 Asian theme Timber buildings, providing animal housing.
- Proposed Structures
 Asian themed market stalls / tents, for interpetation and education purposes.
- Visitor Boardwalk
 Gradually sloping timber boardwalk with 10m runs and 1.8m wide landings based on a 1:20 rise.
- Boulders
 Mixed sizes of Glacial boulders scattered in groups throughout the landscape
- Trunks & Logs
 Natural Tree trunks and logs of vary sizes to be selected for natural forms and used for animal enrichment.
- Water body
 1m deep GCL lined puddle clay water bodies with natural planted margins for animal use.
- Proposed Climbing Structures
 Felled tree trunks with interesting branching to be reused for natural climbing structures and set within ground.
- Proposed Sub Station
 Indicative location for new Sub Station
- Gateway Arch
 4m high Asian Themed Archway to the development. Final design to be agreed.
- Low Level Light Bollard
 Timber low level LED light bollards (no exceeding 1m high) providing low level ambient lighting along footpaths.
- Proposed Play Features
 Indicative Play features including climbing structures within Village. Final selection of play kit to be agreed with the client.
- Rustic Log Bench
 Large Log seating provided throughout public space. Final design to be agreed.
- Telegraph posts
 Telegraph posts of varying heights 6 -12m to be used forming climbing structures in combination with ropes.
- External Water drinkers
 Metal water drinkers for animal access.
 Final specification and locations to be agreed with client

rev	details	by	date
P04	ISSUE FOR TENDER	JM	28.11.2024
P05	ISSUE FOR PLANNING (S73)	JM	09.12.2024
P06	ISSUE FOR COORDINATION	JM	20.06.2025
C01	ISSUE FOR S73 APPLICATION	JM	08.10.2025

Notes

1. Do not scale from Drawing.
2. All dimensions to be checked onsite.
3. This drawing to be read in conjunction with all other drawings and specifications.

Previous Superceded Drawing number:
P22009-00-001-DZ-0110

N

1:200 0m 10m 20m

Project title
NSCC ORANGUTAN FACILITY

Drawing title
LANDSCAPE GA (GROUND FLOOR)

Drawing number TWZ-DZU-00-00-DR-L-00100-C01
Revision C01

Drawing Status
ISSUE FOR PLANNING

Date	Scale	Drawn	Checked
05.07.2024	1:200 @ A0	ZW	JM

Twycross Zoo IN THE HEART OF CONSERVATION

DEARADH ZÚ ZOO - LANDSCAPE - DESIGN

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