

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

- **Barrier Type 1** (F1) — 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
- **Barrier Type 1A** (F1A) — Orangutan Habitat Fencing (Mesh with Anticlimb overhang and 1 x solid timber clad) Overall fence height 4.8m high with steel chain link and sniticlimb on animal side and Public fronting face to be treated with 3-4m high close board fencing.
- **Barrier Type 2B** (F2B) — 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
- **Barrier Type 3** (F3) — 2 x no panels. Large viewing window integrated within main habitat containment wall. 39.04mm 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
- **Barrier Type 3A** (F3A) — 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
- **Barrier Type 3B** (F3B) — 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
- **Barrier Type 4A** (F4A) — 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
- **Barrier Type 5** (F5) — Rustic timber screening to boardwalk Dimension: 2000-2500mm high. Panel: Treated natural hardwood Eucalyptus poles, bark stripped.
- **Barrier Type 6** (F6) — 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.
- **Barrier Type 7** (F7) — Decorative Timber Balustrade to the elevated boardwalk Dimension: 1200mm high balustrade. Panel: 60mm (1.5mm mesh) Webnet Balustrade mesh infill.
- **Barrier Type 8** (F8) — Babirusa enclosure mesh to 1.3m high, formed from 10 gauge 50 x 50 mm PVC coated on softwood pressure treated timber posts.
- **Barrier Type 9** (F9) — 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.
- **Barrier Type 9A** (F9A) — Existing Zoo Licence fence retained and made good where required
- **Barrier Type 10** (F10) — 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.
- **Barrier Type 14** (F14) — Closed Board Timber fence: 1.2m high Refer to HLM Landscape information for spec.
- **Barrier Type 15** (F15) — Closed Board Timber fence: 1.8m high Refer to HLM Landscape information for spec.

GATES

- **Gate - Type 01** (G1) — Vehicle Gate (to Orangutan Habitat) Dimension: 4500mm high x 3000mm wide
- **Gate - Type 02** (G2) — Single access keeper to Babirusa. Dimension: 1500mm high x 1500mm wide
- **Gate - Type 03** (G3) — Double access keeper standoff gate. Dimension: 1500mm high x 3000mm wide
- **Gate - Type 04** (G4) — Single access keeper standoff gate. Dimension: 1200mm high x 1500mm wide
- **Gate - Type 05** (G5) — Single swing steel gate with weldmesh infill within the zoo licence fence Product: CLD Lockmaster Gate Dimension: 2400mm high x 1500mm wide.
- **Gate - Type 06** (G6) — Vehicle gate. (To animal Habitat) Dimension: 1500mm high x 2400mm wide
- **Gate - Type 07** (G7) — Double swing steel gate with weldmesh infill within the zoo licence fence Product: CLD Lockmaster Gate Dimension: 2400mm high x 3000mm wide.
- **Gate - Type 07A** (G7A) — Single swing steel gate with weldmesh infill within boundary fence Product: CLD Lockmaster Gate Dimension: 2400mm high x 4000mm wide.
- **Gate - Type 08** (G8) — Animal Slider. Sliding doors between External Habitats Size: 0.8m (w) x 1m (h).
- **Gate - Type 09** (G9) — 3M wide Single leaf vehicular access gate. Refer to HLM Landscape information for spec.
- **Gate - Type 10** (G10) — 6M wide Double leaf vehicular access gate. Refer to HLM Landscape information for spec.
- **Gate - Type 11** (G11) — 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 interpretation and education purposes.
- **Proposed Animal House** — Asian theme Timber buildings, providing animal housing.
- **Proposed Structures** — Asian themed market stalls / tents, for interpretation 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
P11	ISSUE FOR STAGE 05 COORDINATION	JM	20.06.2025
C01	ISSUE FOR STAGE 05 CONSTRUCTION - COORDINATED HEXA LEVELS	JM	09.07.2025
C02	ISSUE FOR STAGE 05 CONSTRUCTION	JM	18.07.2025
C03	ISSUE FOR STAGE 05 CONSTRUCTION - additional gate / fencing added	JM	22.08.2025
P12	RE-ISSUE FOR PLANNING	JM	04.09.2025
P13	RE-ISSUE FOR PLANNING - roofs added	JM	04.09.2025
C04	ISSUE FOR S73 APPLICATION	JM	08.10.2025

Notes

1. Do not scale from Drawing.
2. All dimensions to be 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

1:200 — 0m — 10m — 20m

Project title
NSCC ORANGUTAN FACILITY

Drawing title
COMBINED MASTERPLAN (INC TZ DELIVERABLES)

Drawing number: TWZ-DZU-00-00-DR-L-00110-C04
Revision: C04
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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C:\Users\44771\OneDrive - Dearadh Zu\Dearadh Zu - Shared Drive\Projects\2025 Projects\P22009-00 NSCC Twycross Facility\Drawings\01 Design\CAD\WIP\P22009-00-001-DZ-0110 LANDSCAPE MASTERPLANNING STAGE 05 T2