

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 4.5m high with steel chain link
 Timber Posts: 250mm Ø FSC softwood pressure treated timber posts
- F2 Barrier Type 2
 Orangutan Habitat Fencing (Single-Sided)
 Animal containment with one side of cladding on animal side to ensure smooth faced no climbable surface; galvanised corrugated sheets powder coated with flashing cover to match.
- F2A Barrier Type 2A
 Orangutan Habitat Fencing (Dual faces - 1 x Solid sheet and 1x timber clad)
 Animal containment with one side of cladding on animal side to ensure smooth faced no climbable surface; galvanised corrugated sheets powder coated. Public fronting face to be treated with 4.5-4.75m high rustic round softwood poles with bark on.
- 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. 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
- 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
- F4 Barrier Type 4
 Decorative timber standoff fence with mesh infill
 Dimension: 1200mm high. Panel: Treated natural hardwood Eucalyptus poles, bark stripped. Poles fixed to top and bottom rails. Poles to vary in sizes from 25/35mm dia installed random along the fenceline, with the spacing of 100mm max. Mesh:10 gauge 50 x 50 mm PVC coated/galvanised core mesh installed to rear. PPC: Signal Black Posts: 100mm x 100mm x 1550mm treated timber posts set at 1.8m centres. Foundation: Concrete foundation to engineer detail and specification.
- 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 VIP area
 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.
- F7A Barrier Type 7
 Decorative Timber Balustrade to the elevated boardwalk
 Dimension: 1200mm high balustrade.
 Infill Panel:10mm clear toughened glass (panel size 1650 (w) x 1100mm (h))
- 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.

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.
- G8 Gate - Type 08
 Animal Slider. Sliding doors between External Habitats
 Size: 0.8m (w) x 1m (h).
- G9 Gate - Type 09
 Vehicle gate: (Between Animal Habitat)
 Dimension: 1500mm high x 2400mm wide
- G10 Gate - Type 10
 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 saffety 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 Lodges
 Asian themed structures, providing lodge accommodation
- Proposed Timber structures
 Asian themed Timber buildings, for interpetation and education purposes.
- Timber Viewing Structures
 Timber Viewing Structure with integrated viewing windows
- 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.
- Themed Lamp Posts
 Rustic timber poles along boardwalk providing illumination along boardwalk.
- Proposed Play Features
 Indicative Play features including climbing structures within Village. Final selection of play kit to be agreed with the client.
- Rustic Timber Bench
 Timber benches provided throughout public space. Final design to be agreed. Some benches to include backrest and hand supports.
- 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
- Stacked Rustic Bench
 Stacked rustic timber bench for group use to be formed using sawn and felled trees on site.
 Final design and size to be agreed.

rev	details	by	date
P04	ISSUE FOR TENDER	JM	28.11.2024
P05	ISSUE FOR PLANNING (S73)	JM	09.12.2024

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-0100

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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-P05
Revision P05

Drawing Status
ISSUE FOR PLANNING

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

Twycross Zoo – In the Heart of Conservation

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