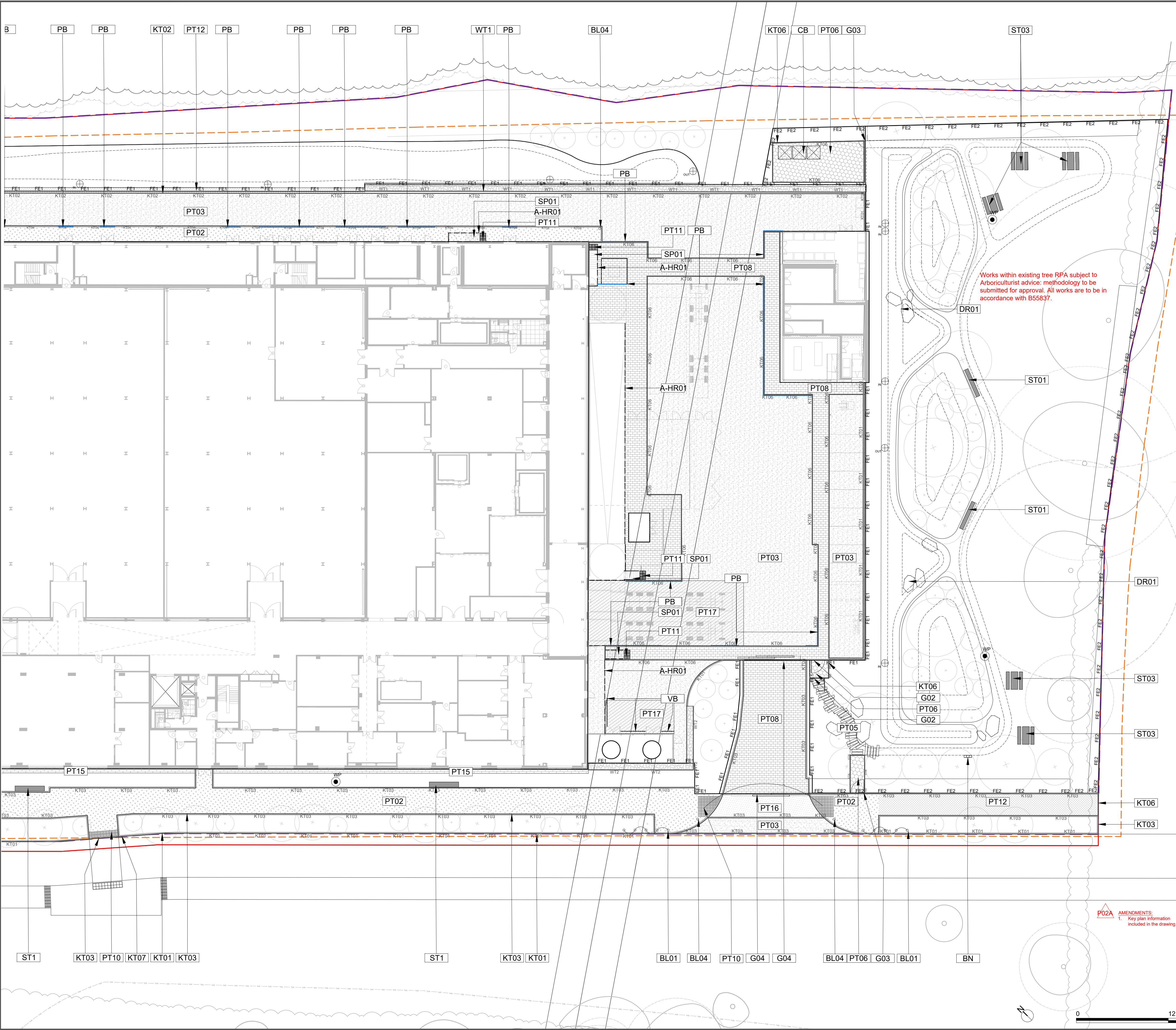




- PAVING** - All structures, footings and paving build-ups to Engineers details
- PAVING TYPE 01**
High quality natural stone paving sets laid in stretcher bond for vehicle over run. Refer to Landscape Specification Q25/330
- PAVING TYPE 02** - Resin bound gavel with natural aggregate for pedestrian cycle and occasional maintenance vehicle use. Refer to Engineer's specification. For colour refer to Landscape Specification Q23/225
- PAVING TYPE 03**
Asphalt surfacing with colourchip resin coated chippings for Vehicular use. Refer to Civil Engineers specification and Q22/140
- PAVING TYPE 04** - High quality FSC rated hardwood timber deck boards for pedestrian use only. Deck boards to include anti-slip carbondurum strips. Refer to Landscape Specification Q50/380
- PAVING TYPE 05**
High quality timber sleepers for pedestrian use only. Refer to Landscape Specification Q50/373
- PAVING TYPE 06**
Consolidated self binding gravel for pedestrian use only. Refer to Landscape Specification Q23/102
- PAVING TYPE 07**
Permeable concrete block paving laid in stretcher bond for vehicle overrun. Refer to Landscape Specification Q23/315
- PAVING TYPE 08**
Concrete block paving laid in stretcher bond for vehicle overrun. Refer to Landscape Specification Q23/315A
- PAVING TYPE 09** - High quality natural stone tactile blaster paving laid stacked bond to pedestrian crossing points. To match adjacent paving. Refer to Landscape Specification Q23/320B
- PAVING TYPE 10**
Pre-cast concrete tactile blaster paving laid stacked bond to pedestrian crossing points. Refer to Landscape Specification Q25/320
- PAVING TYPE 11** - Pre-cast concrete tactile cordway paving laid stacked bond to top and bottom of steps / ramps to match adjacent proposed paving. Refer to Landscape Specification Q23/320A
- PAVING TYPE 12** - Resin bound gravel for pedestrian use only. Refer to Landscape Specification Q23/225A. Note: To include proprietary metalwork edge. Refer to Landscape Specification Q10/200
- PAVING TYPE 13** - Amenity bark mulch to maintenance path. Refer to Landscape Specification Q23/230. Note: To include timber edge resistant and weed suppressant geotextile membrane
- PAVING TYPE 14**
Stainless steel hazard warning strips fixed to timber deck and paving to top and bottom of steps. Refer to Landscape Specification Q25/320A
- AERATION WELL** - Tree root aeration well with flutable stainless steel grating with flush neatly within paving finishes. Refer to Landscape Specification Q31/515
- PAVING TYPE 15**
Pre-cast concrete slab to maintenance path to the west of building. Refer to Landscape Specification Q25/310B
- PAVING TYPE 16**
Asphalt surfacing to Engineer's detail and specification
- PAVING TYPE 17**
Concrete surfacing to Engineer's detail and specification. Note: Concrete extent to be confirmed by Engineer.
- KERBS** - All structures, footings and haunching to Engineers details
- KERB TYPE 01** - Pre-cast concrete kerb 125mm exposed upstand. Includes radius units. Caps between kerbs to allow water to flow when laid next to the rain gardens. Refer to Landscape Specification Q10/115
- KERB TYPE 02**
Pre-cast concrete flush kerb, 250mm wide. Refer to Landscape Specification Q10/115A
- KERB TYPE 03**
Pre-cast concrete flush kerb, 145mm wide. Refer to Landscape Specification Q10/115B
- KERB TYPE 04**
Natural stone flush kerb, 145mm wide. Refer to Landscape Specification Q10/120
- KERB TYPE 05** - Natural stone kerb 120mm exposed upstand. Includes radius units. Caps between kerbs to allow water to flow when laid next to the rain gardens. Refer to Landscape Specification Q10/120A
- KERB TYPE 06**
Pre-cast concrete pin kerb. Refer to Landscape Specification Q10/115C
- KERB TYPE 07** - Pre-cast concrete double drop kerb. Refer to Landscape Specification Q10/115D
- KERB TYPE 08**
Natural stone double drop kerbs Refer to Landscape Specification Q10/120B. Note: To be used with KT05 as a transition to flush kerbs.
- WALLS** - All structures, footings and haunching to Engineers details
- WALL TYPE 01**
Gibson wall to Engineer's detail and specification. For gabion facing requirements refer to Landscape specification Q41/210
- WALL TYPE 02**
Nitrogen tank retaining wall to Architect's detail and specification.
- WALL TYPE 03** - Pre-Cast concrete inlet and outlet headwall to Engineer detail and specification. For design intent refer to DWG no. RD001-FCB-XX-XX-DR-L-1001 Annotation Legend - Hardworks
- WALL TYPE 04** - In-situ concrete wall for lower deck ramp access to Engineer's detail and Specification. Note: Pencil round edges to concrete wall. Do not chamfer the top
- STEPS** - All structures and footings to Engineers details
- STEP TYPE 01**
Steps to Architect's detail and specification.
- STEP TYPE 02** Pre-cast concrete step in exposed aggregate finish with proprietary colour contrast nosing and facing inserts. Anti-slip grooves added to treads. Refer to Landscape Specification E70/410 & E70/510
- STREET FURNITURE** - All structures, footings and haunching to Engineers details
- SEAT TYPE 01**
Proprietary FSC certified timber bench. Refer to Landscape Specification Q50/220B
- SEAT TYPE 02**
Proprietary FSC certified timber bench with arm and back rest. Refer to Landscape Specification Q50/220C
- PICNIC SET**
Proprietary FSC certified timber picnic set. Refer to Landscape Specification Q50/220D
- CYCLE STAND**
Proprietary metalwork cycle stand. Refer to Landscape Specification Q50/210
- PERGOLA**
Hardwood timber pergola. Refer to Landscape Specification Q50/390
- Support structure to engineer's details and specification.**
- FEATURE ROCKS**
Decorative natural stone rocks integrated in the landscape. Refer to Landscape Specification Q50/210B
- EV CHARGING** - Vehicular EV charging point. Refer to Engineer's specification. Location and number shown indicatively on Landscape Architect's drawings
- A+DR**
Stand-alone post for the entrance bypass door to Architect detail and specification
- CAR STOPPER**
Car stopper. Refer to Landscape Specification Q50/210A
- SEAT TYPE 04** - Gibson terrace with FSC rated hardwood timber cladding Refer to Landscape Specification Q41/210 and Q50/225. To be read in conjunction with Engineer's specification for gabion wall seat. NOTE: Contractor to allow for powder coated metalwork armrest with timber top
- SEAT TYPE 06**
FSC rated hardwood timber barrier to top of deck. Refer to Landscape Specification Q50/220A
- COMPOST BIN**
Compost bin. Refer to Landscape Specification Q50/370
- SEAT TYPE 05**
Large seating rock sourced from a local quarry. Refer to Landscape Specification Q50/210C
- RECYCLE BIN**
Recycle bin. Refer to Landscape Specification Q50/242
- Hostile Vehicle Mitigation (HVM)** to LPS-1175 security ratings as specified by the Security Consultant
- BOLLARD TYPE 01** - HVM/PAS 68 rated fixed bollard. Refer to Landscape Specification Q50/105F. Note: HVM measures subject to Security consultant's approval
- BOLLARD TYPE 02** - HVM/PAS 68 rated automatic telescopic bollard. Refer to Landscape Specification Q50/180C
- BOLLARD TYPE 03** - HVM/PAS 68 rated removable bollard. Refer to Landscape Specification Q50/190G
- BOLLARD TYPE 04**
Note: HVM measures subject to Security consultant's approval
- BOLLARD TYPE 05**
Removable bollard. Refer to Landscape Specification Q50/190A
- BOLLARD TYPE 06**
Removable bollard. Refer to Landscape Specification Q50/190D
- HANDRAILS, BALUSTRADES & FENCING** - All structures, fixing and footings to Engineers details
- METALWORK BALUSTRADE TYPE 01**
Powder coated (RAL TBC) galvanneal steel flat bar frame with stainless steel tensioned wire rope infill, 1.1m high. Baseplate fixed to side of the deck structure. Refer to Landscape Specification Q41/130
- HANDRAIL TYPE 01**
Handrail to Architect's detail and specification

GENERAL NOTES:

- All dimensions and levels to be checked and verified on site before commencing any work or producing shop drawings
- This drawing is to be read in conjunction with all other relevant drawings, specifications and schedules.
- Any discrepancy concerning the drawings should be referred to the originator / CA immediately
- All dimensions in millimetres unless noted otherwise
- All levels in metres
- Existing service alignments to be checked on site by the contractor on site by the contractor prior to construction work commencing
- The content of this drawing is to be read in conjunction with the latest project CDM risk register

NOTES:

- The proposed access road is not part of the Natural History Museum work. See University of Reading planning application for details of the access road.
- Refer to the Architect's information for building plans and details.
- Refer to the Architect's information for external gates, railings and boundary treatments on the service yard unless noted otherwise.
- All paving materials to Engineer's information.
- For directional signage refer to the Engineer's information.
- Refer to the Engineer's information for retaining walls detail and information.
- Refer to Engineer's information for the site wide water management strategy and primary water service.
- Allowance to be provided for positive tree pit drainage from all tree pits in the site wide drainage strategy in accordance with engineer's details.
- Refer to Engineer's information for external lighting proposals. Note that the strategy for the external lighting needs to comply with the planning guidance to minimize light pollution and preserve dark skies. External lighting to be coordinated with and integrated into the landscape layouts.
- Water pond subject to Public Open Space and Water Safety Review by ROSPA and safety audit by ROSPA and any recommendations to be incorporated against any unacceptable high levels of risk. ROSPA Audit to be undertaken by contractor.
- Planning strategy subject to stage and Access and Maintenance Strategy signoff.
- For structural performance requirements of gabions refer to Engineer's details and specification. Scope of the proposed gabion system in Landscape Specification (clause 041) is limited to the visual appearance/performance. Proposed system to be coordinated with Engineers in relation to the structural requirements.
- HVM measures and security requirements subject to confirmation by Security Consultant. Security Consultant to advise on location of sensors/access control system for gates, fence and automatic bollards.
- Surface water drainage design by Engineer's. SUDs features function and integration into the site wide drainage to be advised by Engineer's.
- Below ground utilities coordination with landscape elements to be confirmed.
- Building interfaces with hard and soft landscape subject to detailed development with Architectural details.
- Surface water drainage design by Engineer's, including falls and drain locations subject to review by Engineers. Slope/ channel drains to Engineers details and specification.
- EV charging points and EV cabin shown indicatively on landscape plans.
- Ecological features are shown indicatively in landscape plans. Details to be provided by others.
- Footings design for benches, bins, fence & gate posts, steps, walls and bollards by Engineer.
- All external signage by others.
- External tap watering points shown indicatively on landscape plan. Source of water and water volume requirements to be developed by others.
- Engineer's to advise on loading requirements to appropriate standards for all balustrade and handrail railings and signage.

HANDRAIL TYPE 02
Stainless steel free standing single handrail and posts to steps. Refer to Landscape Specification Q41/241

PEDESTRIAN BARRIER
Powder coated finish pedestrian barrier. Refer to Landscape Specification Q41/242

DOOR BARRIER
Brushed stainless steel door hoop. Refer to Landscape Specification Q41/243

VEHICLE BARRIER
Nitrogen tank barrier. Refer to Landscape Specification Q50/xx.

NOTE: The barrier and posts will need to be designed to take account of the loadings from the weight of vehicles that will be using this area.

FENCE TYPE 01
Security fencing system along primary security line. 3m high 388 prison mesh mounted on steel posts. Mesh and posts to be in powder coated (RAL TBC) finish. Refer to Landscape Specification Q40/126

FENCE TYPE 02
1m high timber post and rail fence. Refer to Landscape Specification Q40/210

GATE TYPE 01
High security vehicular double leaf swing gate. 3m high airlock steel gate mounted on security fence FE01. Gate to be in powder coated (RAL TBC) finish. Refer to Landscape Specification Q40/560

GATE TYPE 02
High security pedestrian single leaf swing gate. 3m high airlock steel gate mounted on security fence FE01. Gate to be in powder coated (RAL TBC) finish. Refer to Landscape Specification Q40/560A

GATE TYPE 03
Single leaf timber swing gate mounted on FE02. Refer to Landscape Specification Q40/560

GATE TYPE 04
High security vehicular sliding gate to service yard. 3m high airlock steel gate mounted on security fence FE01. Gate to be in powder coated (RAL TBC) finish. Refer to Landscape Specification Q40/560B

WATER MANAGEMENT - All structures, fixing and footings to Engineers details

WATER POINT
External bib tap location for maintenance & manual irrigation of soft landscape shown indicatively on Landscape Architect's layouts subject to final coordination with MEP proposal.

POND INLET
Pond and swale inlet. Refer to Engineer's detail and specification. Note: Exposed concrete faces to be visually integrated into gabion wall finishes. Allowance pre-cast concrete wall, refer specification for Wall Type 03 (WT03).

POND OUTLET
Pond and swale outlet. Refer to Engineer's detail and specification. Note: Exposed concrete faces to be visually integrated into gabion wall finishes. Allowance pre-cast concrete wall, refer specification for Wall Type 03 (WT03).

NOTES:

- All structures, footings, haunching and paving build-ups to Engineers details.
- Refer to Civil Engineers details for Highways, drainage and paving makeups.
- Proposed External Levels & Drainage information shown to Civil Engineers details and Specification
- Refer to Structural Engineers details for all structural elements.
- Refer to M+E Engineer's details for powered elements in the external works.

To be read in conjunction with the following documents & drawings

- RD001-FCB-XX-XX-DR-L-1001 Annotation Legend - Hardworks
- RD001-FCB-XX-XX-DR-L-1002 Annotation Legend - Softworks
- RD001-FCB-XX-XX-DR-L-1003 Annotation Legend - Section & Details

PO2A	06.05.2025	TENDER	VDM	KF
PO2	21.06.2024	TENDER	VDM <td>KF</td>	KF
PO1	26.04.2024	TENDER	VDM <td>KF</td>	KF
Rev.	Date	Description		Drawn CHV

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FIELDEN CLEGG BRADLEY STUDIOS

PROJECT
Natural History Museum
NHM UNLOCKED
THAMES VALLEY SCIENCE PARK

TITLE
SITE WIDE PUBLIC REALM
HARDWORKS - PAVING, FURNITURE
AND LIGHTING PLAN 2/2

Scale: 1:250@ A1 Date: 06/05/2025 Drawn: VDM Checked: MS Approved: KF
Status: TENDER
Drawing Number: RD001-FCB-XX-XX-DR-L-3102 Rev: PO2A