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- General Notes
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  - Received electronically it is the recipient's responsibility to print to correct scale. Only written dimensions should be used.
  - This drawing should be read in conjunction with all other relevant drawings and specifications.
  - Designs are subject to ongoing project wide Work Stage 4 development and are subject to ongoing MEP, process, structural steel, external envelope, fire engineering/safety, statutory authority approval requirements definition and design.
  - Changes to the existing pre-PCSA planning submission are foreseen to accommodate the ongoing design developments.
  - This drawing should be read in conjunction with the Designer's and Environmental Risk Assessment reference ENV1-RPS-ST-XX-DR-A-11150.
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- Hazards
- RPS-01 Existing underground, surface and overhead services
  - RPS-02 Localised flood plain
  - RPS-03 Localised land drainage
  - RPS-04 Below ground structures / foundations local to West Moor Farm
  - RPS-05 Unexploded Ordnance (UXO)
  - RPS-06 Ground Contamination

- Key:
- Refer to Drainage and External Works Specification ENV1-RPS-XX-SP-C-111907
- HGV Access and Circulation:
- 40mm AC10 SMA surf 40/60
  - 60mm AC20 dense base 40/60
  - 170mm AC32 dense base 40/60
- Foundation:
- 220mm Type 1 granular sub-base
  - 360mm capping (6F2/6F5)
  - Geotextile Membrane laid on formation
- Car Park:
- 30mm AC10 SMA surf 40/60
  - 60mm AC20 dense base 40/60
  - 100mm AC32 dense base 40/60
- Foundation:
- 350mm Type 1 granular sub-base
  - Geotextile Membrane laid on formation
- Concrete Hardstanding with Joints:
- 200mm C32/40 Air Entrained concrete with A150 mesh on 50g polythene membrane (Unless stated otherwise on Joint Layouts)
  - 150mm Type 1 granular sub-base
  - 110mm capping if formation material is frost susceptible
  - Geotextile Membrane laid on formation
- Footpaths adjacent to HGV access road and circulation routes:
- 20mm AC6 dense surf 100/150
  - 90mm AC20 dense base 100/150
  - 350mm Type 1 granular sub-base
  - Geotextile Membrane laid on formation
- Pedestrian Only Footpath:
- 20mm AC6 dense surf 100/150
  - 50mm AC20 dense base 100/150
  - 110mm Type 1 granular sub-base
  - 250mm capping if formation material is frost susceptible
  - Geotextile Membrane laid on formation
- Access to DNO Substation (Suitable for infrequent access by light vehicles e.g. vans):
- Gravel filled plastic cover (40mm deep, subject to product selection)
  - 50mm Bedding layer of S-20mm Sharp angular gravel
  - 150mm Type 3 sub-base
  - 250mm capping if formation material is frost susceptible
  - Geotextile Membrane laid on formation
- Gravel Landscaping
- Soft Landscaping
- Details subject to Landscape architects requirements.
- Building on Other Foundation
- Refer to relevant structures drawings

Note: Earthing tape to be installed prior to road/pavement construction in line with MEP requirements.

**Basis of Design/Assumptions**

- The designs shown on this drawing are based on the following:
- An equilibrium CBR of 3% has been adopted in line with the Phase 2 Ground Investigation Report ENV1-RPS-XX-RP-G-114000
  - Design Traffic of no more than 8msa, based on worst case 50 HGVs per day, per plant and allowing for future development and maintenance of 3.5 plants gives 175HGVs per day, 365 days a year for 25 years (Design life and operational days based on client specification)
  - Should formation CBR values of less than 3% be encountered the formation is to be stabilised to provide a minimum 3% CBR. Design of any line / cement stabilisation to be by specialist contractors

C05	Pedestrian only Footpath sub-base thickness updated in line with ENV1-RPS-XX-DR-A-111423	HAC	MM	06/02/23
C04	Roof width reduced to 8.3m. Footpath to Eastern Office / Welfare accommodation building removed with future provision indicated.	TRU	LMA	26/08/22
C03	Basis of design / assumptions, Note 2 amended, Note 3 added. Reference to S278 works drawing added.	TRU	MM	01/08/22
C02	Issued for W&S submission. General notes 4 amended. Alterations to office entrance area.	LMA	MM	24/06/22
C01	Issued for construction as per 'Water' request and early works order. Please note Work Stages 3 & 4 global project development is ongoing, adjustments may be required to suit.	TRU	MM	01/08/22
P04	Access road construction extents adjusted to suit 'early site enabling work' requirements.	LMA	MM	29/04/22
P03	Layout updated to suit revised building and site layout ENV1-RPS-ST-XX-DR-A-11150 P05	TRU	MM	25/03/22
P02	General Notes Update Extent of construction types updated to suit implemented VE changes to site layout. Permeable paving removed from car park and impermeable car park construction updated to suit. Geotextile membrane to be laid on formations added in line with recommendations of the Phase2 GIB.	TRU	MM	03/03/22
P01	First Issue	CM	MM	10/12/21

Rev	Description	By	Ckd	Date
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Client: Envision AESC  
Project: Envision AESC Giga Factory

Title: External Works - External Constructions Layout - Sheet 2

RPS Project Number	Scale @ A0	Date Created
NK020439	1:1000	10/12/21
Task Team Manager	Information Author	Task Information Manager
TH	CM	TSR
Status:		
A (Fit For Construction)		
Document Number	Revision	
ENV1-RPS-ST-XX-DR-C-111402	C10	
Project Code - Originator - Function - Issue - Type - Year - Drawing Number		
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C10	Areas around QA Lab updated. Changes made following site layout update.	HAC	MM	27/10/23
C09	Kern island updated to suit MEP requirements.	HAC	MM	26/07/23
C08	Areas in abeyance removed. Gatehouse area amended. External works design note added.	LMA	MM	02/06/23
C07	Fence line to North and East of car park updated, site shelter extents updated, landscaping updated in line with Section 72 application.	HAC	MM	24/05/23
C06	Changes to car park area following updated layout in line with PR04/2049. Changes to waste canopy area following removal in line with PR05/28. Changes following updated site layout in line with ENV1-RPS-ST-XX-DR-A-11150	HAC	MM	06/04/23

External works design tailored to suit site constraints and where available MEP concepts. MEP and construction teams to tailor final design solutions to suit external works design solutions provided.

10m SCALE 1:500

For continuation refer to sheet 1 ENV1-RPS-ST-XX-DR-C-111401

