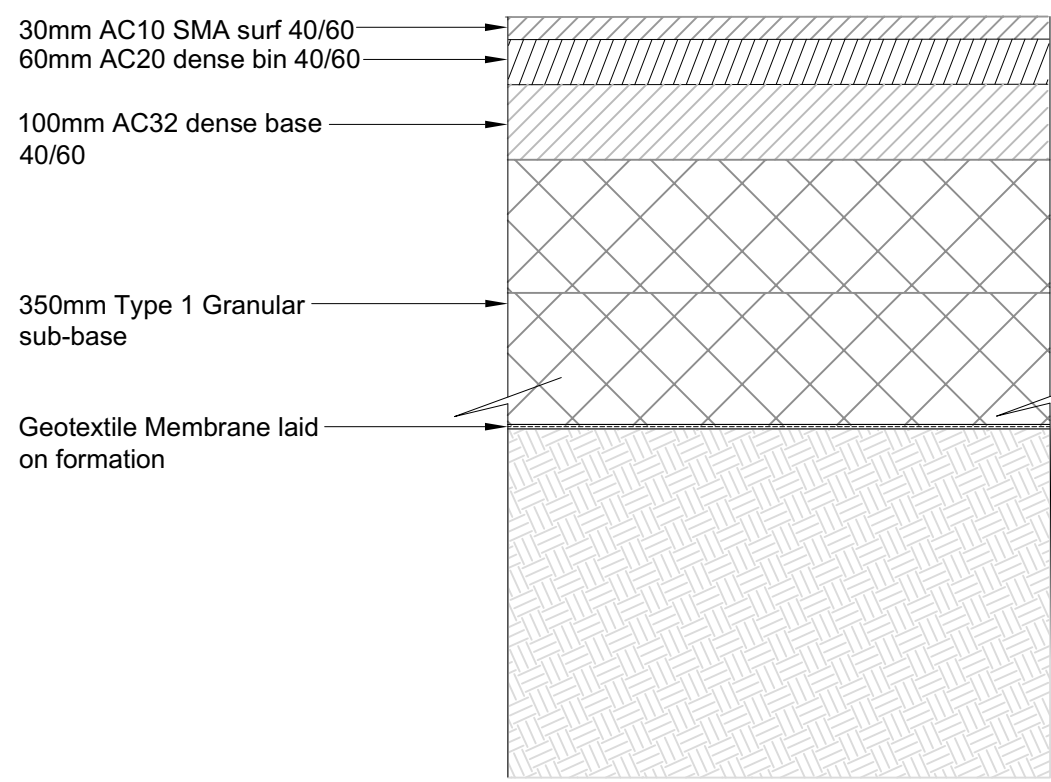
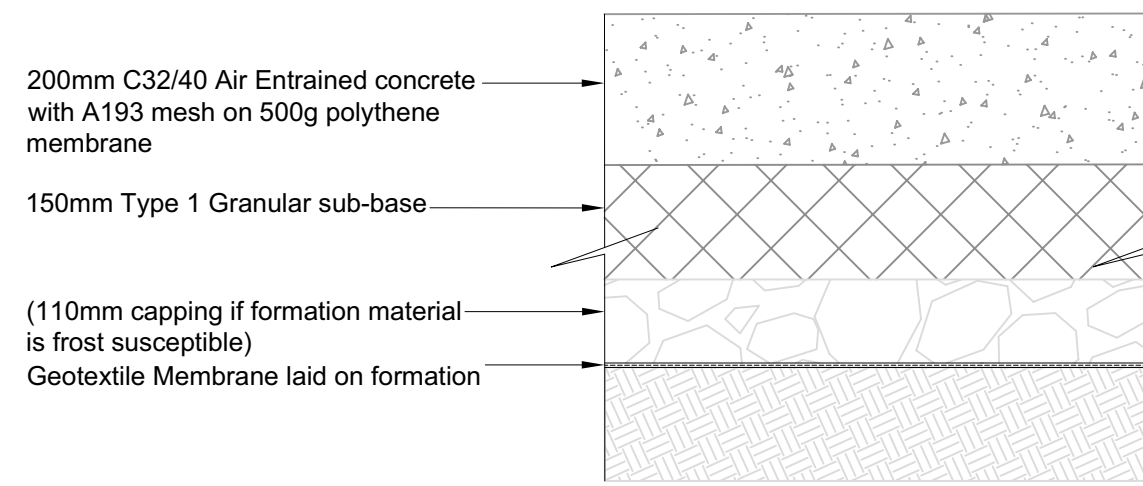


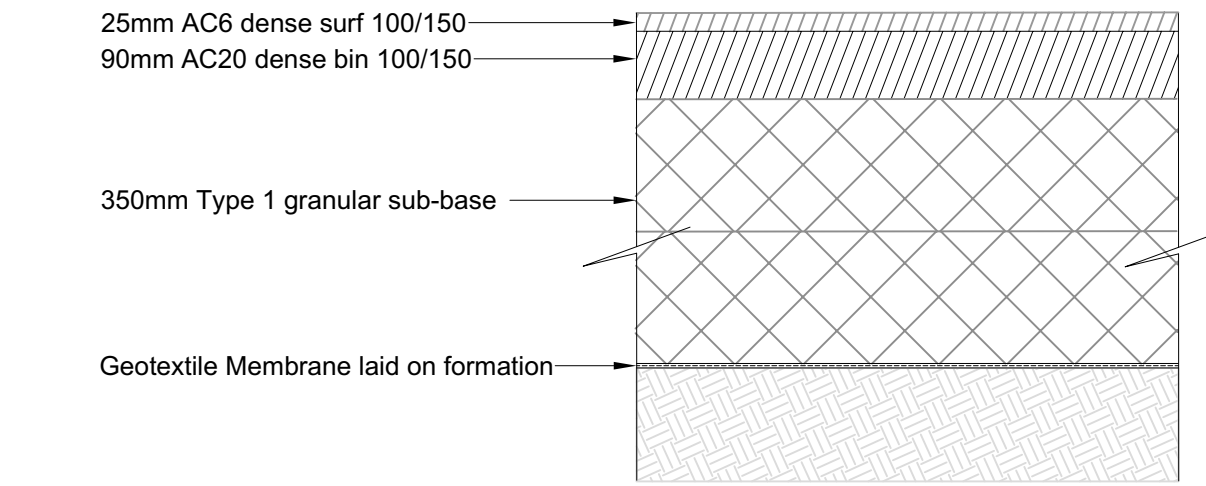
HGV Access And Circulation Pavement  
Construction Detail  
Scale 1:10



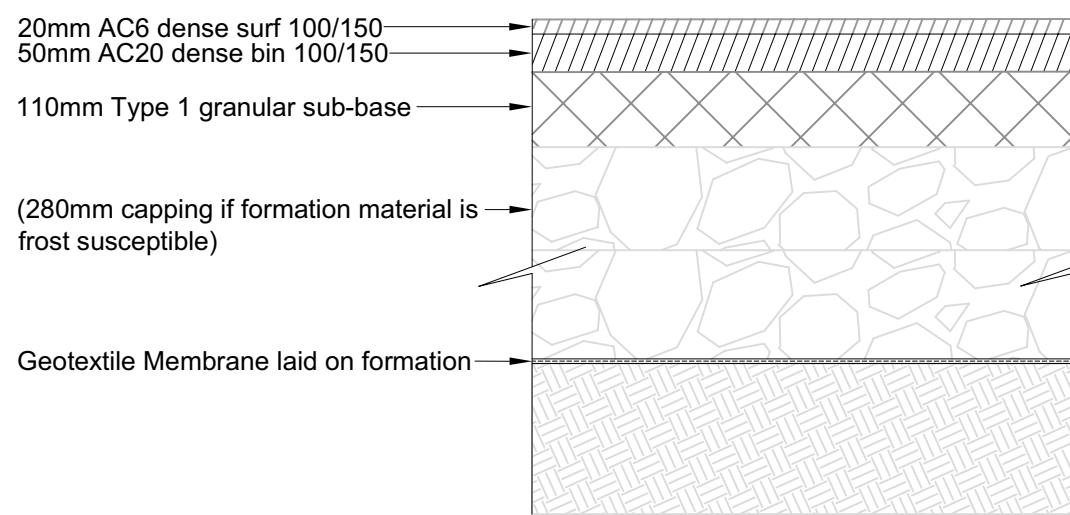
Car Park Pavement  
Construction Detail  
Scale 1:10



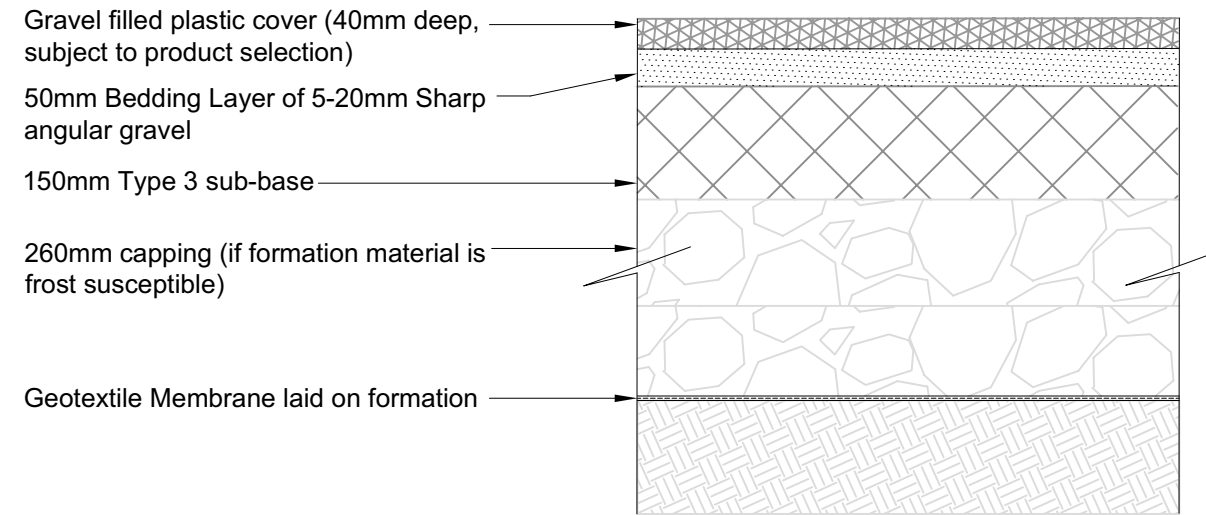
Concrete Hardstanding With Joints  
Construction Detail  
Scale 1:10



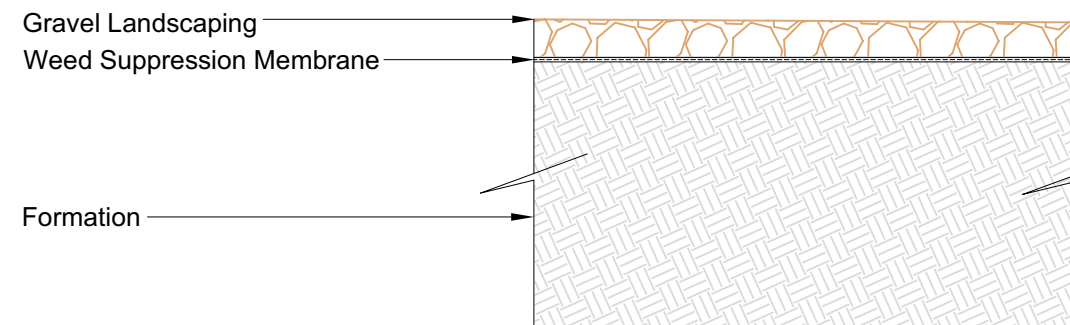
Footpaths adjacent to HGV access road and circulation routes  
Construction Detail  
Scale 1:10



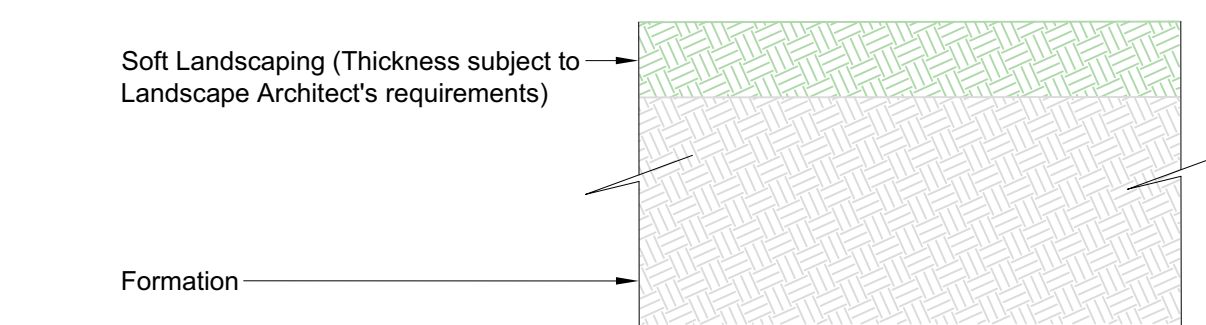
Pedestrian Only Footpath  
Construction Detail  
Scale 1:10



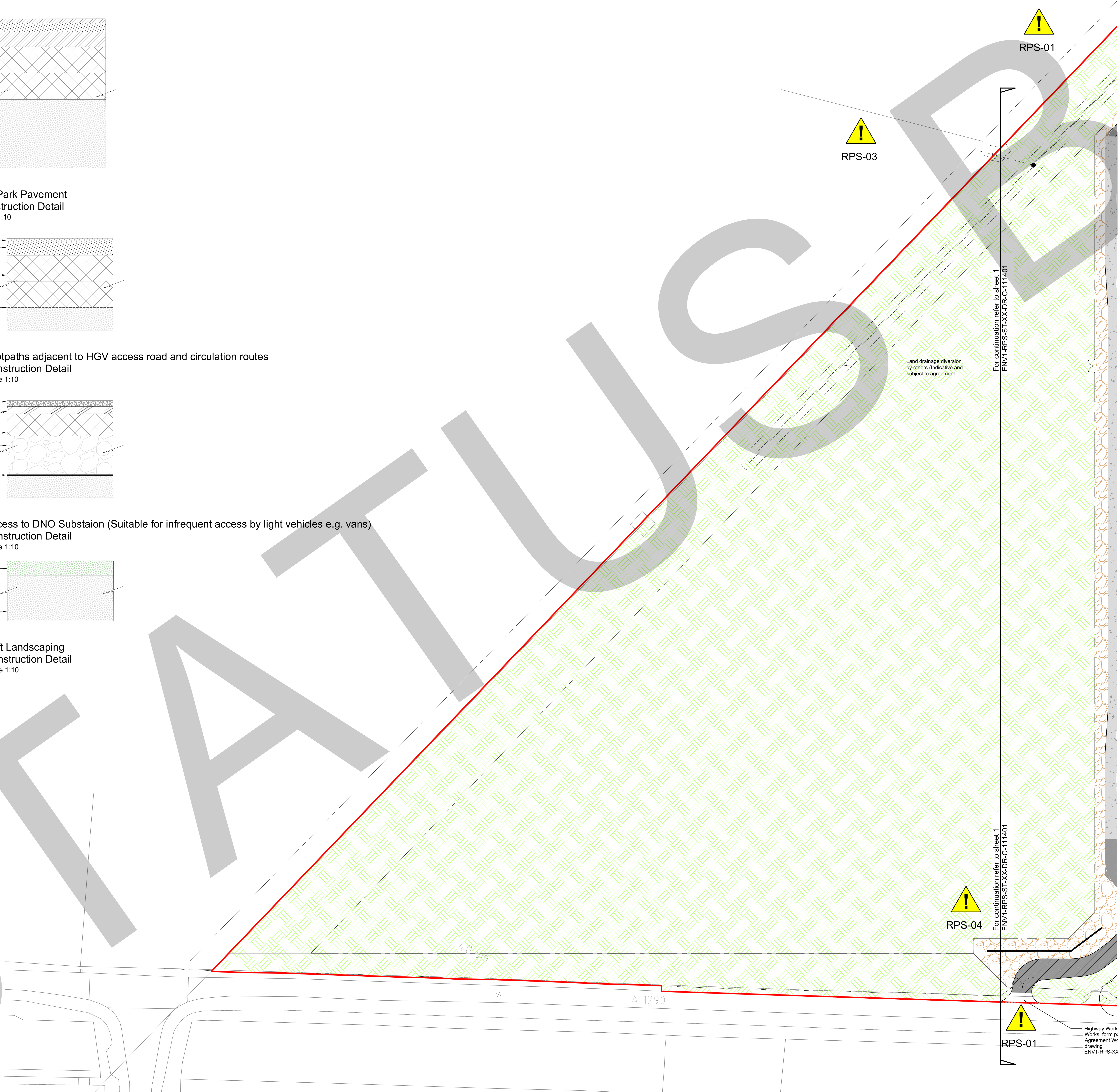
Access to DNO Substaion (Suitable for infrequent access by light vehicles e.g. vans)  
Construction Detail  
Scale 1:10



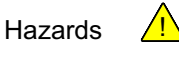
Gravel Landscaping  
Construction Detail  
Scale 1:10



Soft Landscaping  
Construction Detail  
Scale 1:10



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- General Notes
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  - If 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 e.g. evolving and emerging MEP, process, structural steel, external envelope, fire engineering safety, statutory authority approval requirement 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-RA-C-111950.
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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-XX-SP-C-111909

- HGV Access and Circulation:
- 40mm AC10 SMA surf 40/60
  - 60mm AC20 dense bin 40/60
  - 170mm AC32 dense base 40/60
- Foundation:
- 220mm Type 1 granular sub-base
  - 360mm capping (B2/BFS)
  - Geotextile Membrane laid on formation

- Car Park:
- 30mm AC10 SMA surf 40/60
  - 60mm AC20 dense bin 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 A193 mesh on 500g 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:
- 25mm AC6 dense surf 100/150
  - 90mm AC20 dense bin 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 bin 100/150
  - 110mm Type 1 granular sub-base
  - (280mm 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 paver (40mm deep, subject to product selection)
  - 50mm Bedding layer of 5-20mm Sharp angular gravel
  - 150mm Type 3 sub-base
  - 260mm capping if formation material is frost susceptible
  - Geotextile Membrane laid on formation

- Gravel Landscaping
- 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-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 masterplan 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.

C04	Road width reduced to 6.3m. Footpath to Eastern, Southern and Western boundary removed. Office / Welfare accommodation building removed with future provision indicated.	TRU	JMA	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 W3 submission. General notes 4 amended.	LMA	MM	24/06/22
C01	Issued for construction as per Wales request and early works order. Please note Work Stages 3 & 4 global project development is ongoing, adjustments may be required to suit.	TRU	MM	01/06/22
P03	Layout updated to suit revised building and site layout ENV1-RPS-ST-XX-DR-A-111150 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 Phased CBR	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** **Wates**  
Project Envision AESC Giga Factory

Title External Works -  
External Constructions Layout -  
Sheet 3

RPS Project Number NK020439	Scale @ A0 1:500	Date Created 10/12/21
Task Team Manager TH	Information Author CM	Task Information Manager TSR

Status  
A (Fit For Construction)

Document Number ENV1-RPS-ST-XX-DR-C-111403	Revision C05
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Project Code - Originator - Function - Spec - Type - Risk - Drawing Number  
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C06	External works design note added	LMA	MM	02/06/23
C05	Construction thickness details added as requested from Wales. Changes also made to pedestrian only footpath sub-base thickness.	HAC	LMA	06/02/23