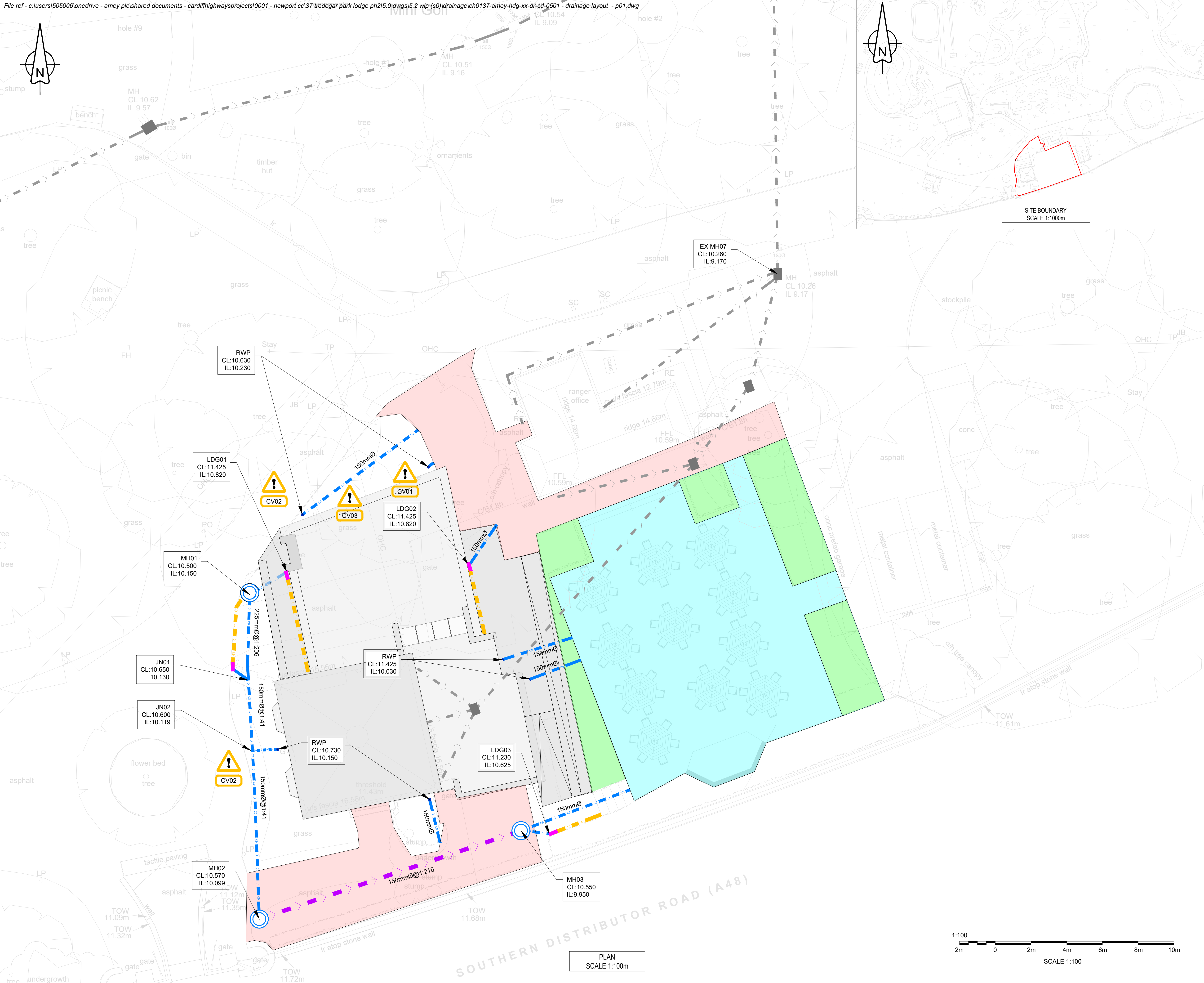
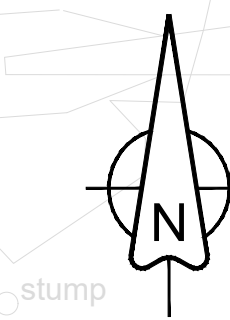
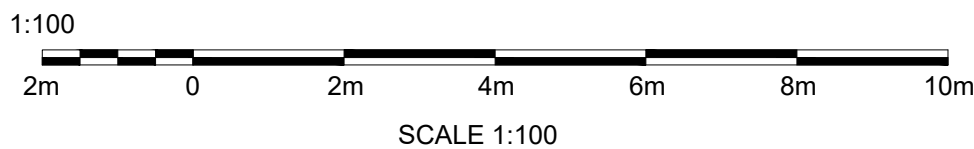




PLAN
SCALE 1:100m



SITE BOUNDARY
SCALE 1:1000m

RESIDUAL DESIGN HAZARDS

(The following information has been collected from Preconstruction Information and the Amey CDM Hazard Management Process).
Residual Design Hazards:
CV01 - Water Main (WM) clash.
CV02 - Live cables.
CV03 - Gas

NOTES

- All dimensions and levels are in metres unless otherwise stated.
- Do not scale from this drawing; use figured dimensions only.
- This drawing is to be read in conjunction with Standard Detail drawings: CH01037-AMEY-HDG-XX-DR-CD-0502.
- This drawing must also be read alongside all other drawings associated with Tredegar Park Lodge.
- The removal of existing drains shall be carried out in accordance with Clause 506.3 of MCHW Volume 1.
- The SuDS maintenance regime shall be implemented in accordance with the recommendations in The SuDS Manual (CIRIA C753) and the manufacturer's specifications.
- All pipes, chambers, fittings, and products shall be installed in accordance with the manufacturer's instructions.
- This drawing is to be used solely for the specific purpose stated in the title.
- For the proposed surface water manhole Type 1 Chamber, refer to DMRB HCD F Series In-Situ Concrete Manhole, F3.
- For ACO MultiDrain M100D 0.0 Channel Installation Detail, refer to ACO Drawing Number 21819.
- For ACO MultiDrain M100D Universal Sump Installation Detail, refer to ACO Drawing Number 21846.
- For ACO MultiDrain M100D Universal Sump Detail, refer to ACO Drawing Number E1-M01-185-1.

KEY

- Porous pavement
- Permeable pavement composed of a mixture of clay, gravel, and sand or granite dust
- Proposed Surface Water Manhole
- Existing Carrier
- Existing manhole
- Proposed rain garden
- Proposed Surface Water Pipe
- Proposed Perforated Pipe
- Site Boundary
- Proposed Linear Drainage Channel Outlet Unit
- Proposed Linear Drainage Channel - ACO MultiDrain M100D

P01	First Issue	SS	TM	IH	06-06-25
Rev	Revision details	Drwn	Chkd	Appd	Date
Designed:	SS				Date: 22-05-2025
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Project Name

Tredegar Park Lodge Ph2

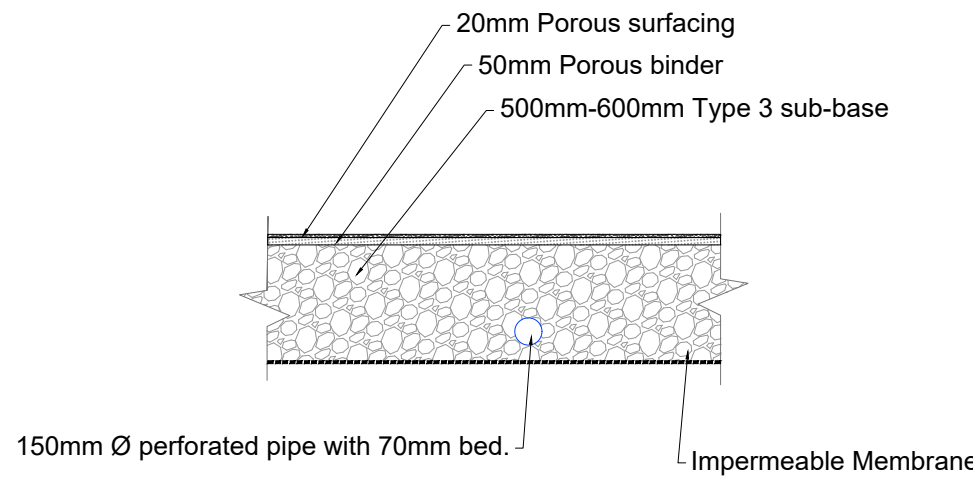
Drawing Title

Proposed Drainage Layout

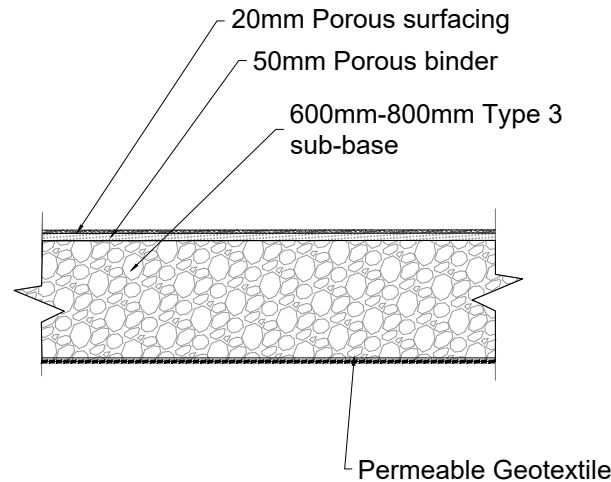
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Dimensions :	m		

Drawing Status	Suitability
Suitable for Information	S2

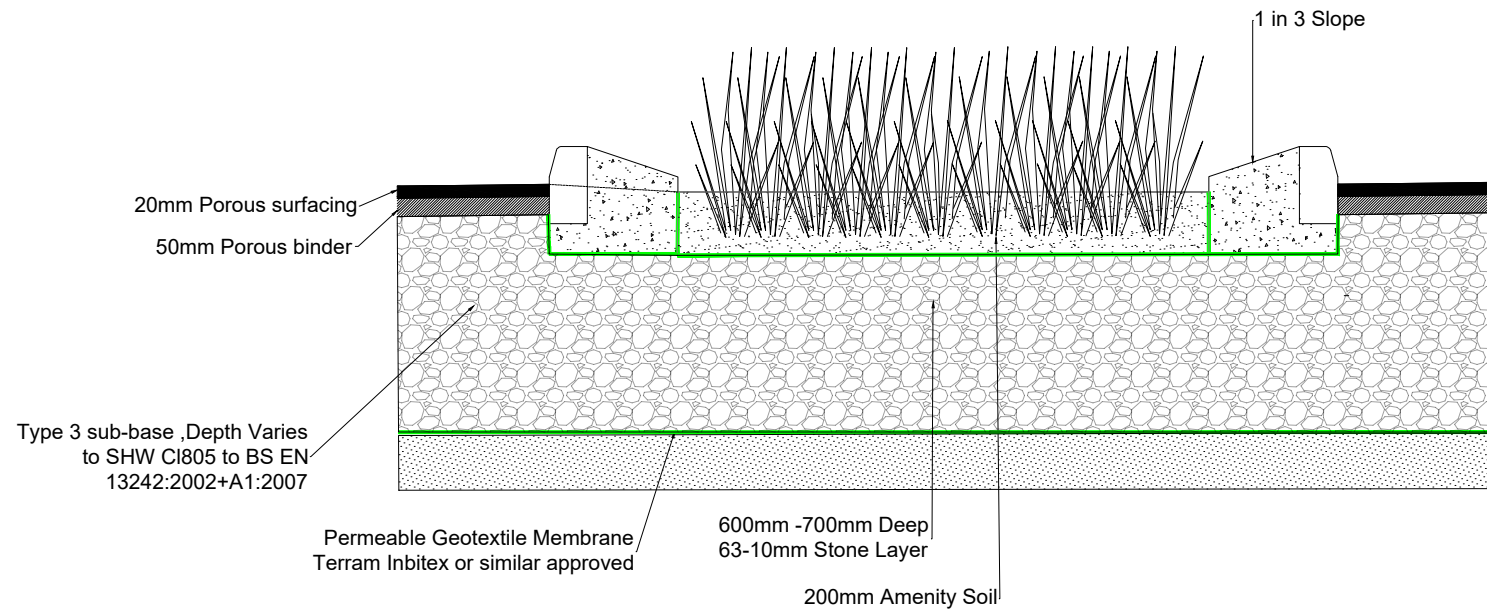
Drawing No	Rev
CH0137-AMEY-HDG-XX-DR-CD-501	P01



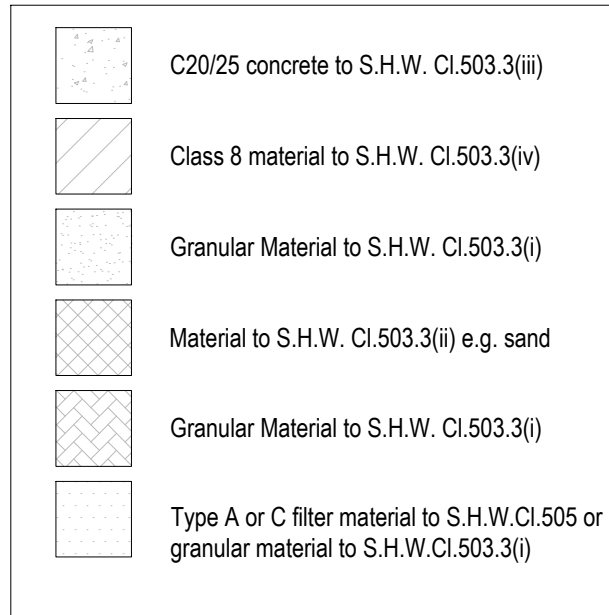
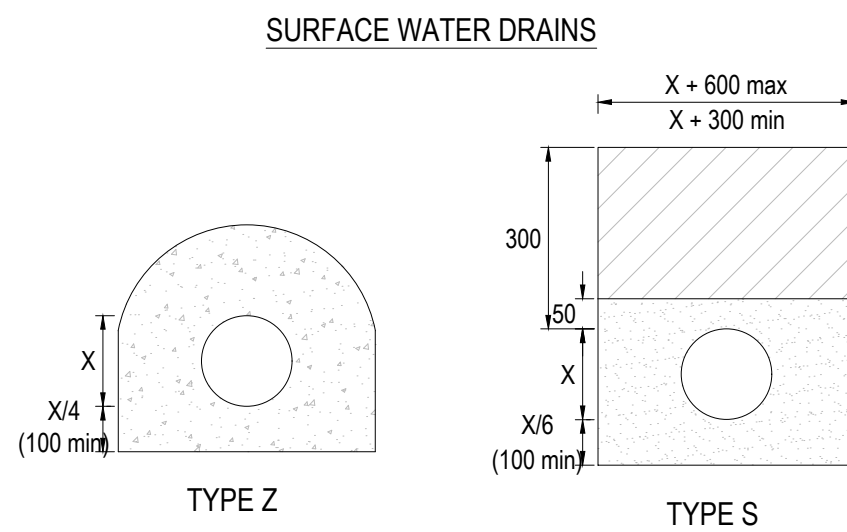
Typical Section Of Porous Pavement with Underdrian
Scale: 1:50



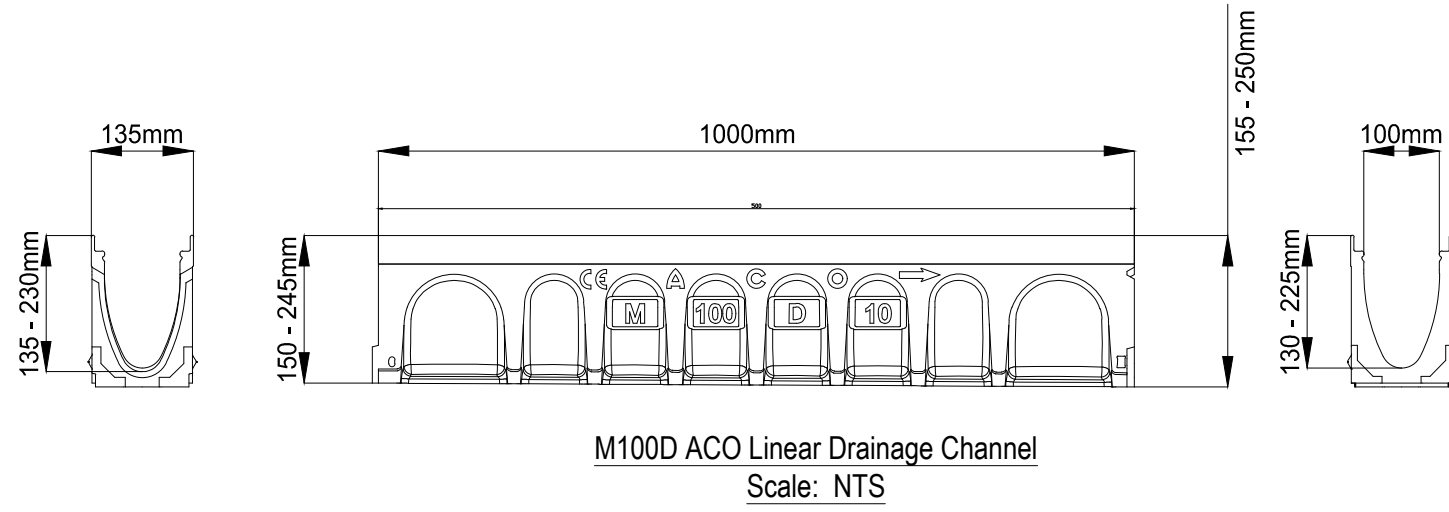
Typical Section Of Porous Pavement without Underdrian
Scale: 1:50



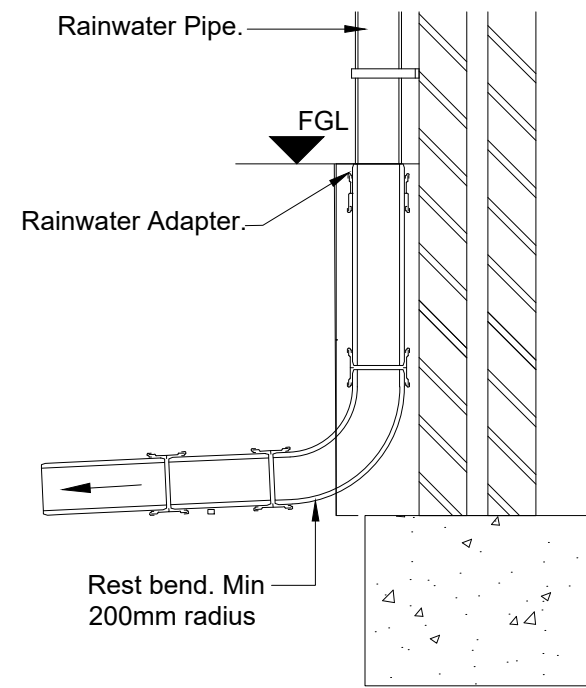
Rain Garden Porous Paving Detail
Scale: NTS



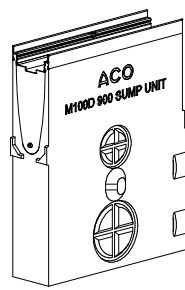
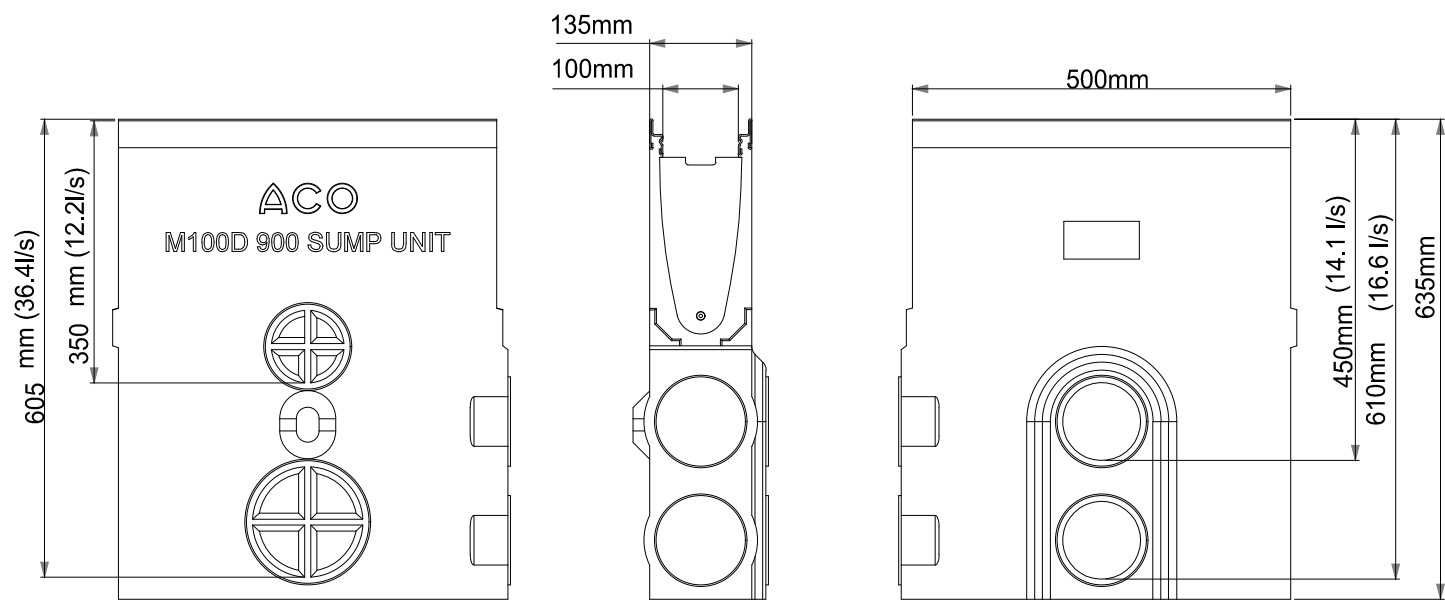
Proposed Pipe Bedding Details
Scale 1:5



M100D ACO Linear Drainage Channel
Scale: NTS



Rainwater Pipe Connection
Scale: NTS



Multidrain Universal Sump M100D
Scale: NTS

NOTES

1. Do not scale from this drawing.
2. All dimensions are in millimetres.
3. This drawing is to be read in conjunction with Appendix 5/1 of the Specification for Highway Works 1998, as amended.
4. Dimension X is the external diameter of the pipe.
5. The minimum or maximum width of the trench applies on and below a line 300mm above the outside top of the pipe. Above the 300mm line, for trenches other than filter drains backfill shall be as described in Cl.505 of the Specification for Highway Works 1998, as amended.
6. The concrete bed or surround may extend to the sides of the trench or be of minimum width. Class 8 material is to be used to fill any voids formed.
7. For Type Z trench the concrete cover may be formed to a radius batter or horizontal surface, min. cover of concrete shall be 150.
8. Pipes shall comply with the requirements for filter drain pipes in Table 5/1 of the Specification for Highway Works 1998, as amended.
9. Pipes are to be laid with slots or perforations upwards where a concrete bed is used. For other beds the slots shall be orientated as directed by the Engineer.
10. Minimum drain width $Y = X + 300$ for drains not exceeding 1.5m cover below finished level. $Y = X + 450$ for drains exceeding 1.5m cover below finished level.
11. All standards referenced are to be current amendments.

NOTES

1. This drawing must also be read alongside all other drawings associated with Tredegar Park Lodge
2. All pipes, chambers, fittings, and products shall be installed in accordance with the manufacturer's instructions.
3. For the proposed surface water manhole Type 1 Chamber, refer to DMRB HCD F Series In-Situ Concrete Manhole, F3
4. For ACO Multidrain M100D 0.0 Channel Installation Detail, refer to ACO Drawing Number 21819.
5. For ACO MultiDrain M100D Universal Sump Installation Detail, refer to ACO Drawing Number 21846.

P01	First Issue	SS	TM	IH	06-06-25
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Project Name

Tredegar Park Lodge Ph2

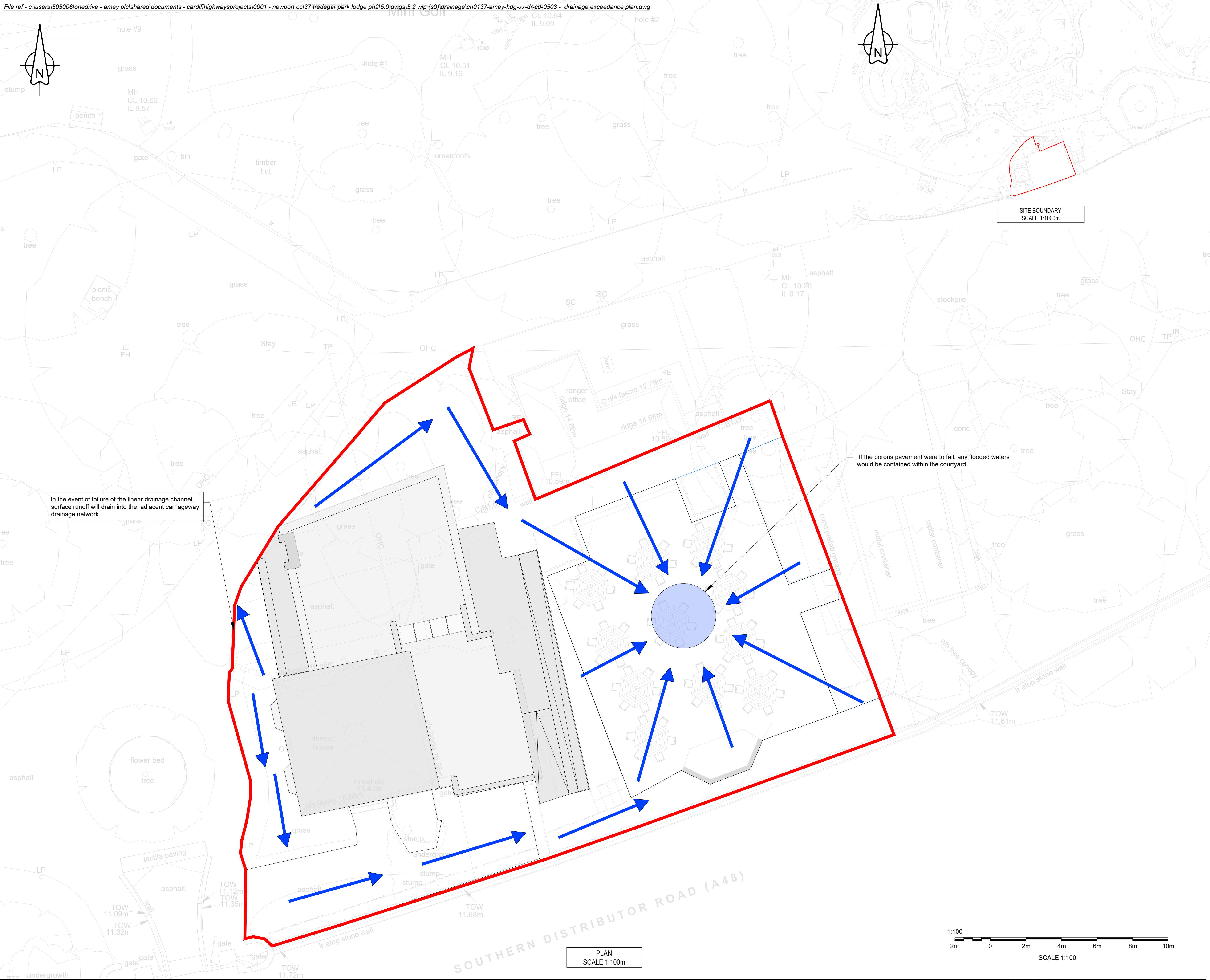
Drawing Title

Standard Details

Original Drawing Size : A1	Scale : As Shown
Dimensions : -	

Drawing Status	Suitability
Suitable for Information	S2

Drawing No	Rev
CH0137-AMEY-HDG-XX-DR-CD-0502	P01



NOTES

1. This drawing must also be read alongside all other drawings associated with Tredegar Park Lodge

KEY

→ Exceedance Flow Route

— Proposed Works

● Flooding Location

— Site Boundary

P01	First Issue	SS	TM	IH	06-06-25
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Checked:	TM	Date:	06-06-2025		
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 **NEWPORT**
CITY COUNCIL
CYNGOR DINAS
CASNEWYDD

Project Name

Tredegar Park Lodge Ph2

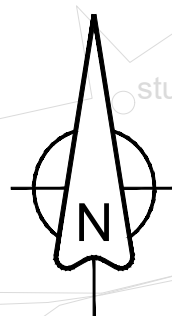
Drawing Title

Drainage Exceedance Plan

Original Drawing Size : A1	Scale : As Shown
Dimensions : m	

Drawing Status	Suitability
Suitable for Information	S2

Drawing No	Rev
CH0137-AMEY-HDG-XX-DR-CD-503	P01



NOTES

1. This drawing must also be read alongside all other drawings associated with Tredegar Park Lodge

KEY

Catchment	Area (m ²)	Area (km ²)	Area (mi ²)
Catchment 1	74.352m ²	0.074352	0.0287
Catchment 2	21.702m ² (20% Pimp:4.140m ²)	0.021702	0.00838
Catchment 3	89.347m ²	0.089347	0.0345
Catchment 4	196.200m ²	0.196200	0.0758
Catchment 5	10.307m ²	0.010307	0.00398
Catchment 6	8.237m ²	0.008237	0.00318
Catchment 7	36.115m ² (20% Pimp:7.223m ²)	0.036115	0.0139
Catchment 8	48.292m ²	0.048292	0.0186
Catchment 9	26.761m ²	0.026761	0.0103
Catchment 10	8.123m ² (20% Pimp:1.625m ²)	0.008123	0.00313
Catchment 11	26.572m ²	0.026572	0.0102
Catchment 12	15.743m ²	0.015743	0.00608
Catchment 13	8.595m ²	0.008595	0.00332
Catchment 14	1.972m ² (20% Pimp:0.394m ²)	0.001972	0.00076
Catchment 15	5.475m ² (20% Pimp:1.095m ²)	0.005475	0.00211
Catchment 16	196.127m ²	0.196127	0.0757
Catchment 17	5.831m ² (20% Pimp:1.166m ²)	0.005831	0.00225
Catchment 18	20.650m ² (20% Pimp:4.130m ²)	0.020650	0.00797
Catchment 19	12.328m ² (20% Pimp:2.467m ²)	0.012328	0.00476
Catchment 20	13.681m ² (20% Pimp:2.736m ²)	0.013681	0.00528
Catchment 21	5.437m ²	0.005437	0.0021
Catchment 22	3.168m ²	0.003168	0.00122
Catchment 23	35.862m ² (20% Pimp:7.165m ²)	0.035862	0.0138

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Project Name

Project Name
Tredegar Park Lodge Ph2

Drawing Title

Proposed Catchment Plan

Original Drawing Size : A1	Scale : As Shown
Dimensions : m	

Drawing Status

Suitable for Information

	Suitability
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S2

Drawing No

CH0137-AMEY-HDG-XX-DR-CD-504

Rev

P01