



- Notes
1. Do not scale from this drawing.
  2. All dimensions are in metres/millimetres unless otherwise stated.
  3. This drawing is to be read in conjunction with all relevant documents and drawings.
  4. No unauthorised disclosure, storage or copying.
  5. All spatial coordinates relate to the Ordnance Survey, British National Grid (OSGB36).
  6. All levels are in meters and relate to AOD (Ordnance Survey, Newlyn).
  7. Existing watercourses based on LIDAR data and OSMAP. © crown copyright and database rights 2022 ordnance survey (0100031673).
  8. All suds (drainage systems including attenuation basins, ponds, swales etc.) are to be constructed in accordance with CIRIA753, the SUDS Manual 2015.
  9. It is anticipated that there will be no significant increase in runoff rate through the outfall as the system has been designed to maintain reduced discharge rates via flow control. refer to the drainage strategy for details (108939-MMD-BRGR-XX-TN-C-0045).
  10. Access roads to be provided with a camber/crossfall to allow runoff to discharge into proposed filter drain.
  11. All proposed drainage to follow the Highways Construction Details (HDC) MCHW Volume 3 Section 1, Series F Drainage.
  12. Proposed access road and filter drains to follow the Highways Construction Details (HDC) MCHW Volume 3 Section 1, Series B Edge of Pavement Details.
  13. Pipe to be encased in concrete when minimum cover < 1200mm under access roads as per Type Z HCD Trench and Bedding Details Drawing F1.
  14. All filter drains to be Type M HCD Filter Drains and Trench and Bedding Details drawing F2 and for details of section of the drain with the surface level refer to Type 1A (flexible carriageway) drawing B1 series.
  15. Contractor required to ensure temporary drainage arrangements (including temporary excavations required for drainage, temporary management of flows in existing drainage systems and temporary protection of existing structures and utilities) during the delivery of the works.
  16. Existing Welsh Water drainage information based on preliminary information. Contractor to provide CCTV surveys of affected sewers.

- Key to symbols
- EXISTING WELSH WATER MAN HOLE
  - EXISTING WELSH WATER COMBINED SEWER
  - EXISTING WELSH WATER FOUL WATER SEWER
  - EXISTING WELSH WATER SURFACE WATER SEWER
  - NEW SURFACE WATER FILTER DRAIN WITH 2250 PERFORATED PIPE
  - NEW SURFACE WATER PIPE/OILY WATER
  - NEW SURFACE WATER PIPE/CLEAN WATER
  - NEW FOUL WATER PIPE
  - NEW CHANNEL DRAIN
  - NEW SURFACE / FOUL WATER MANHOLE
  - SITE BOUNDARY
  - CONCRETE SURFACE PLATFORM (FFL=+63.800mAOD)
  - TARMAC SURFACE ROAD
  - TARMAC SURFACE FOOTPATH
  - GULLY
  - NEW OIL/WATER SEPARATOR WATER
  - EARTHWORKS CUT/FILL
  - HYDROGEN PIPE
  - MANHOLE WITH FLOW DEVICE
  - PROPOSED PIPE CONCRETE PROTECTION

Reference drawings

- 108939-MMD-BRGR-XX-DR-C-0046 Hydrogen Production Facility - Earthworks
- 108939-MMD-BRGR-XX-DR-C-0047 Sheet 01 Hydrogen Production Facility - Earthworks Longitudinal Sections
- 108939-MMD-BRGR-XX-DR-C-0047 Sheet 02 Hydrogen Production Facility - Earthworks Longitudinal Cross Sections
- 108939-MMD-BRGR-XX-DR-C-0002 Bridgend Green Hydrogen - Site Layout

Rev	Date	Drawn	Description	Chk'd	App'd
P02	15/11/2022	OJ	Seconds Issue	ARD	PM
P01	07/11/2022	OJ	Preliminary	ARD	SA

Status Stamp

**NOT FOR CONSTRUCTION**

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Title  
**Marubeni Bridgend Green Hydrogen Production Facility Drainage Layout**

Designed	A. Ruiz-Diaz	ARD	Eng check	A. Ruiz-Diaz	ARD
Drawn	O. Jeffcock	OJ	Coordination	T. King	TK
Dwg check	T. King	TK	Approved	S. Anantharam	SA
MMD Project Number	108939	Scale at A0	1:250	Security	STD
Suitability Description	Suitable for Review & Comment				S3
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