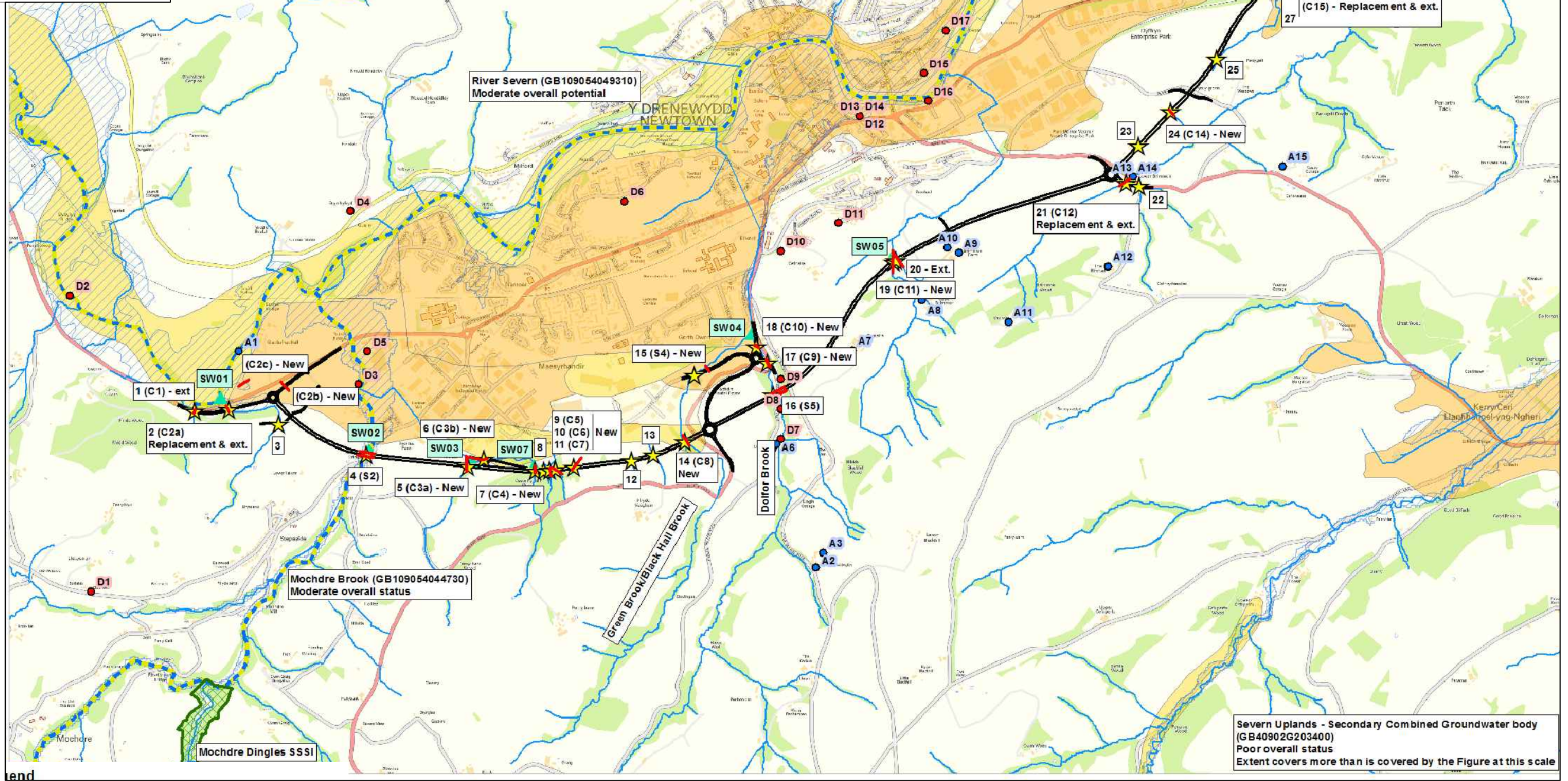


- Legend**
- Scheme route
 - New scheme structures, and culverts (with erosion measures up and downstream)
 - Water course (name denoted in text)
 - WFD designated river (moderate ecological status / potential)
 - ▨ Flood zone 2
 - Minor Aquifer (high permeability)
 - Minor Aquifer (intermediate permeability)
 - Minor Aquifer (low permeability)
 - ▨ SSSIs (name denoted in text)
 - ★ Water course crossings (crossing IDs are denoted in text)
 - Abstractions (abstraction ID is denoted in text)
 - Consented discharge (discharge ID is denoted in text)
 - ▲ Surface water sampling locations (sampling reference is denoted in text)
 - 2 Crossing ID
 - (C2) Culvert/structure ID



Severn Uplands - Secondary Combined Groundwater body (GB40902G203400)
Poor overall status
Extent covers more than is covered by the Figure at this scale



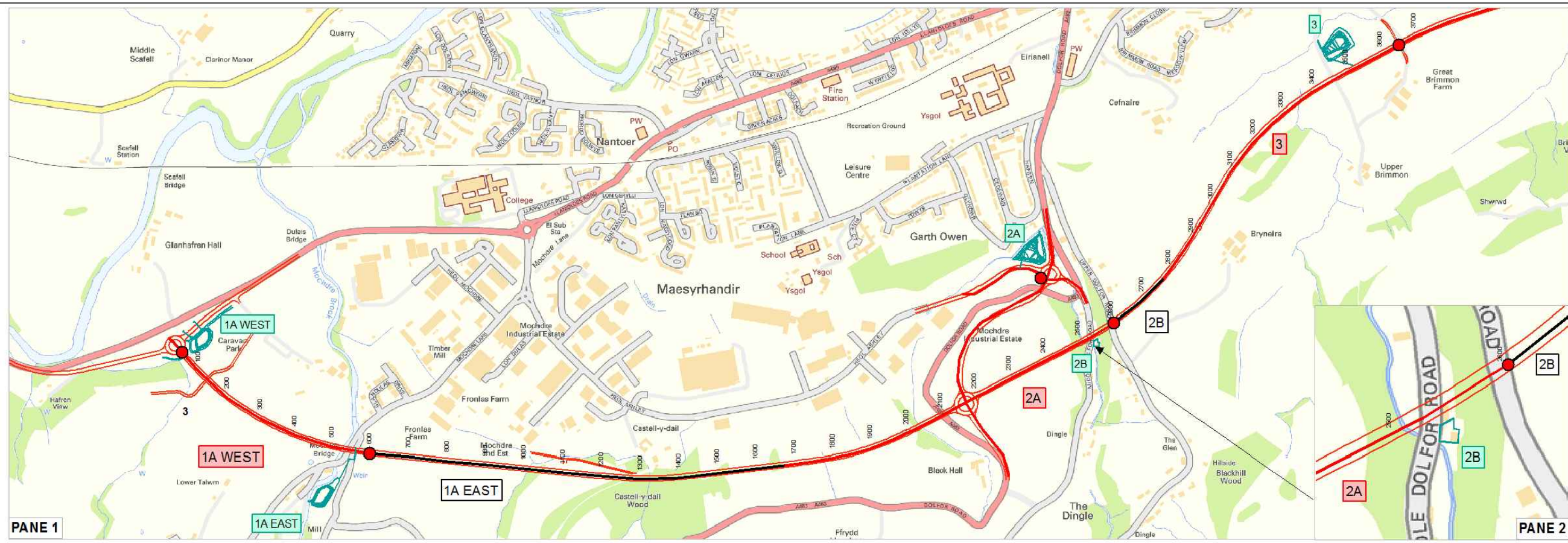
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Job Title
A483/A489
Newtown Bypass

Drawing Title
Environmental Statement
Road Drainage
Water Bodies
Sheet 1 of 1

Date	OCT 2014	Drawn by	ML
Scale at A3	Not to Scale	Checked	MB
Drawing Status	FINAL	Approved	JW
Job No	60597	Figure No	14.1
		Issue	-

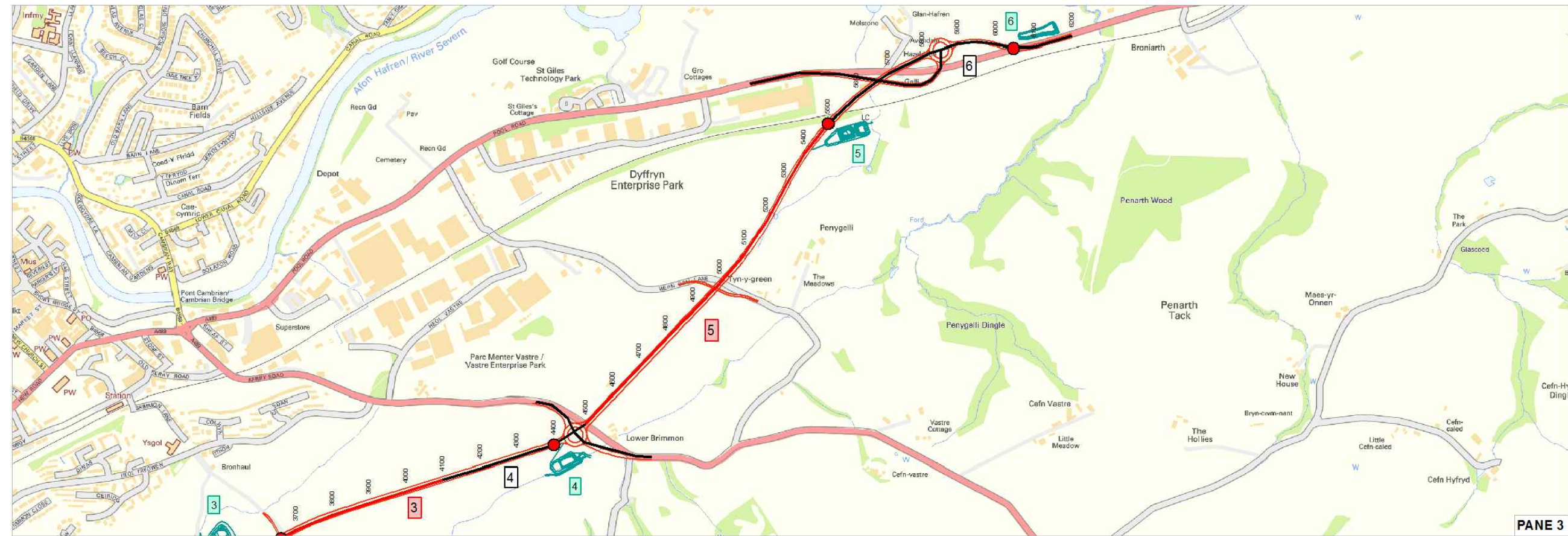


Legend

- Road catchments
- Chainage
- Outfall locations
- Proposed wet balancing pond with planting (with the exception of catchment 2B - detention basin proposed)

PANE 1

PANE 2



PANE 3



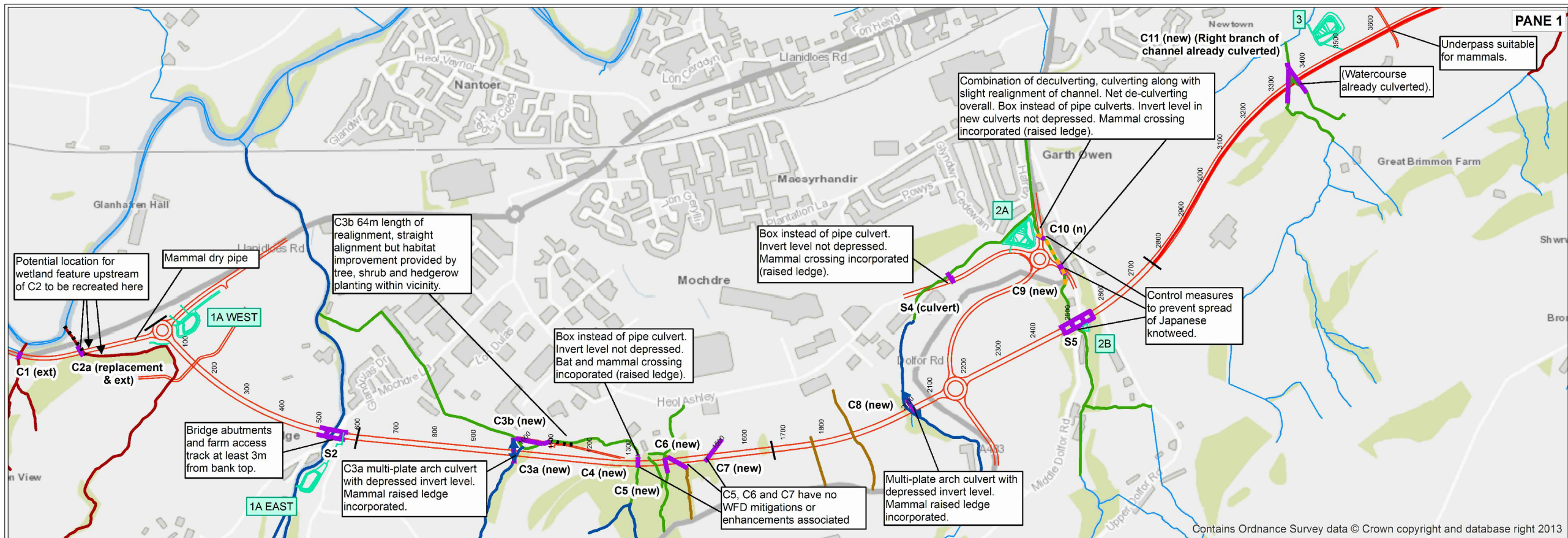
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Job Title
A483/A489
Newtown Bypass

Drawing Title
Environmental Statement
Road Drainage
Proposed Outfalls and Attenuation
Sheet 1 of 1

Date	OCT 2014	Drawn by	ML
Scale at A3	Not to Scale	Checked	MB
Drawing Status	FINAL	Approved	JW
Job No	60597	Figure No	14.2
		Issue	-



Key

Wetland planting associated with attenuation ponds (with the exception of 2B)

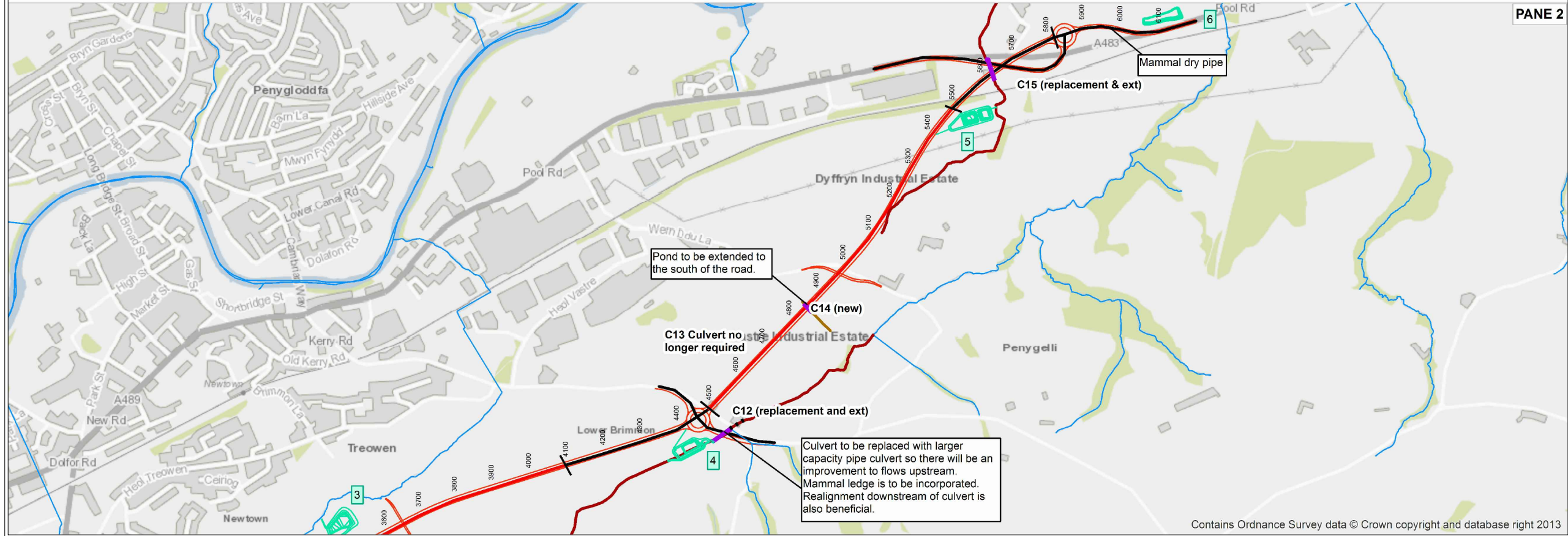
WFD Compliance Mitigation Measures

- Channel realignment
- Channel deculverting & realignment
- Depressed invert culvert
- New scheme structures, and culverts (with erosion measures up and downstream)

Hydromorphological Type

- Ditch without flow
- Ditch with flow
- Open watercourse in poor condition
- Open watercourse in reasonable/good condition
- Proposed route

CX (new) New Culvert
 CX (ext) Scheme requires total length of culvert to be extended
 SX New Structure



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Client/Team

Llywodraeth Cymru
Welsh Government

GRIFFITHS **ATKINS** **TACP**
civil engineering and construction

CORDEROY **CAPITA**

Job Title
 A483/A489
 Newtown Bypass

Drawing Title
 Environmental Statement
 Road Drainage
 Newtown Scheme Mitigation and Enhancement Measures
 Relevant to the Water Framework Directive
 Sheet 1 of 1

Date	OCT 2014	Drawn by	ML
Scale at A3	Not to Scale	Checked	MB
Drawing Status	FINAL	Approved	JW
Job No	60597	Figure No	14.3
		Issue	-