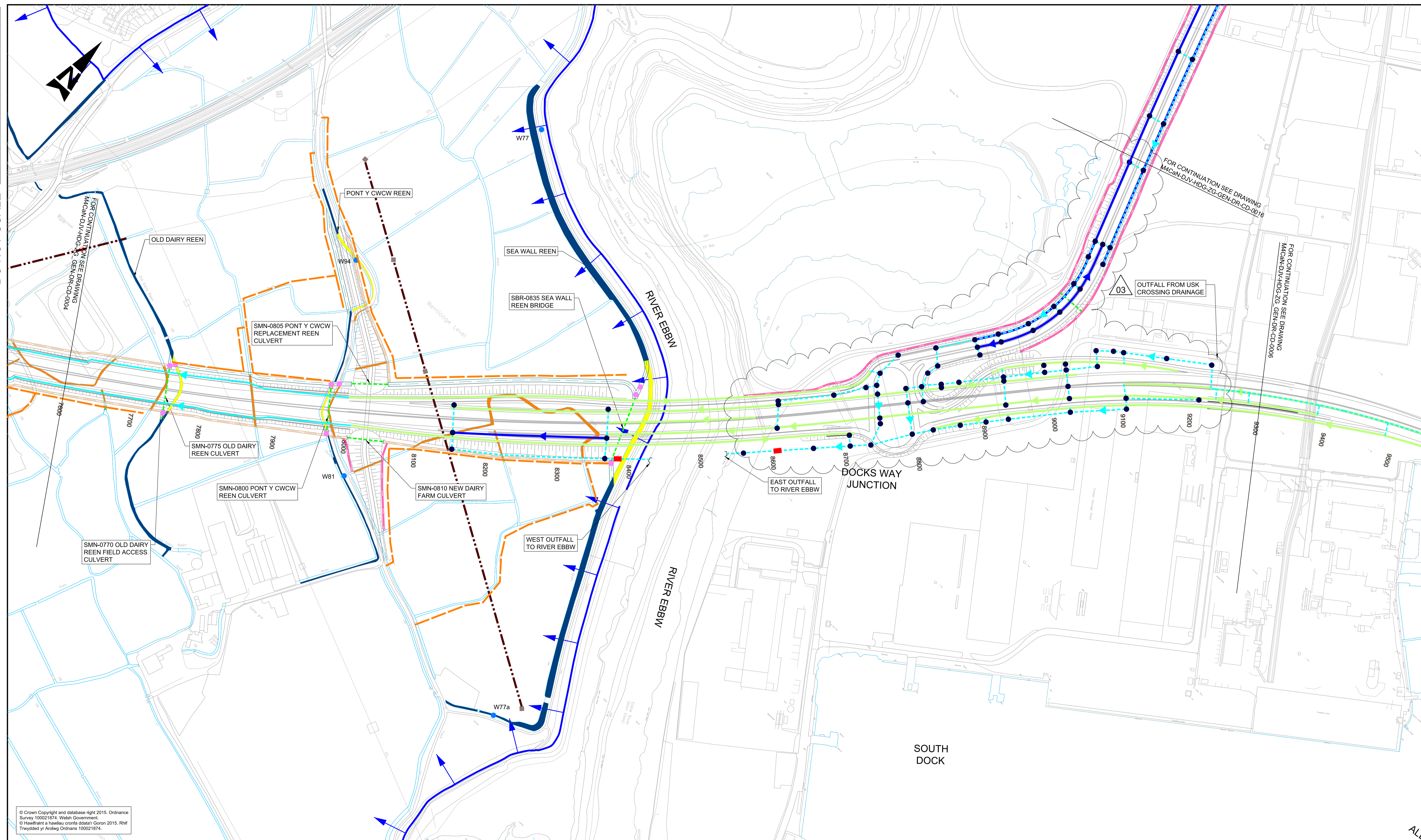


DO NOT SCALE

100  
0 10  
Millimetres



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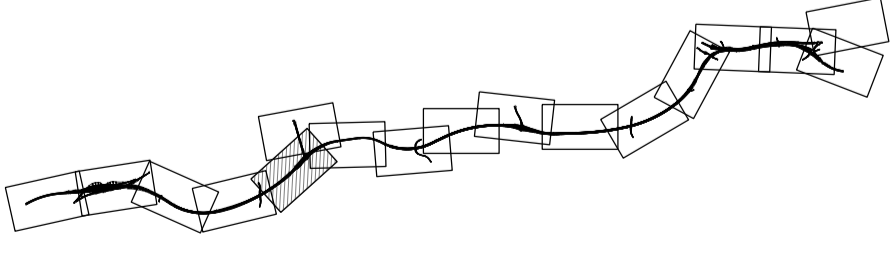
**GENERAL NOTES:**

- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ONLY WRITTEN DIMENSIONS SHALL BE USED, DO NOT SCALE.
- FIN DRAINS NOT SHOWN FOR CLARITY. TO BE HCD F18 TYPE 7.

**LEGEND:**

- CATCHPIT - HCD F11 / MANHOLE - HCD F4, F5, F6 & F7
- INTAKE CHAMBER - HCD F22 & F24
- PETROL INTERCEPTOR
- CONCRETE HEADWALL
- GRASSED CHANNEL IN BOX CULVERT
- CARRIER PIPE - HCD F1
- CONCRETE CHANNEL - HCD F21 & B3 & B7 & B12
- CONCRETE CHANNEL - HCD F21 & B3 & B7 & B12 WITH CARRIER PIPE - HCD F1 BELOW
- GRASSED CHANNEL
- COMBINED KERB DRAINAGE
- REPLACEMENT REEN
- REPLACEMENT FIELD DITCH
- HIGHWAY CUT OFF DITCH
- FILTER DRAIN - HCD F2
- EXISTING REEN
- EXISTING REEN TO BE FILLED
- EXISTING FIELD DITCH TO BE FILLED
- EXISTING CULVERT TO BE RETAINED
- PROPOSED CULVERT
- COMBINED KERB DRAINAGE WITH CARRIER PIPE - HCD F1 BELOW

**KEY PLAN:**




- EXISTING NRW SLUICE
- PROPOSED NRW TILTING WEIR/PENSTOCK
- POTENTIAL NRW ACCESS (IN ABEYANCE)
- INDIRECT LOSS FIELD DITCHES
- SITE OF SPECIAL SCIENTIFIC INTEREST BOUNDARY

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	Maintenance / Cleaning	Use	Decommissioning / Demolition
No exceptional risks	Culverts partially submerged Main bridge drainage to outfalls at bridge abutment	No exceptional risks	No exceptional risks

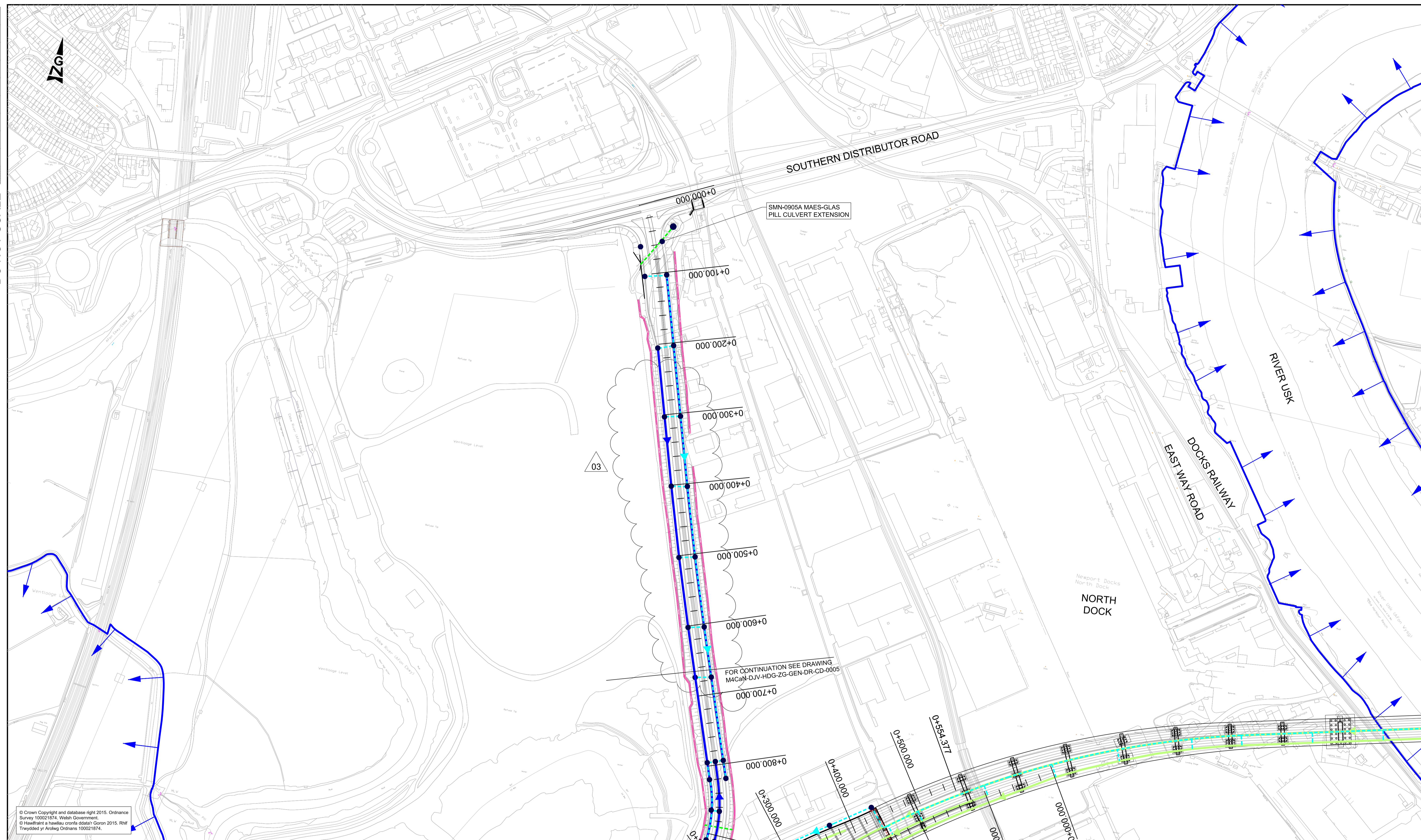
Rev.	Date	Description	By	CHK'd	App'd
ISSUE 1	27/01/16	FINAL ISSUE TO WG	AC	DOL	HR
ISSUE 2	26/08/16	SUPPLEMENTARY ISSUE	AC	DOL	HR
ISSUE 3	05/12/16	SUPPLEMENTARY ISSUE	AC	DOL	HR

Drawing Status	Subsidiary	Project Title
Project Team	M4 CORRIDOR AROUND NEWPORT	
Client	 Llywodraeth Cymru Welsh Government	
Drawing Title	FIGURE SR2.5 HIGHWAY DRAINAGE AND REEN MITIGATION SHEET 5 OF 16	
Scale	Designed / Drawn	Checked
1:2500	AC	DOL
Original Size	Date	Date
A1	05/12/2016	05/12/2016
Approved	Authorised	
HR	KEN	
Date	Date	Date
05/12/2016	05/12/2016	05/12/2016
Drawing Number	Project	Revision
M4CaN - DJV - HDG - ZG_GEN - DR - CD - 0005	Originator	Volume
ISSUE 3		
Location	Type	Number

DO NOT SCALE

Millimetres

0 10 100



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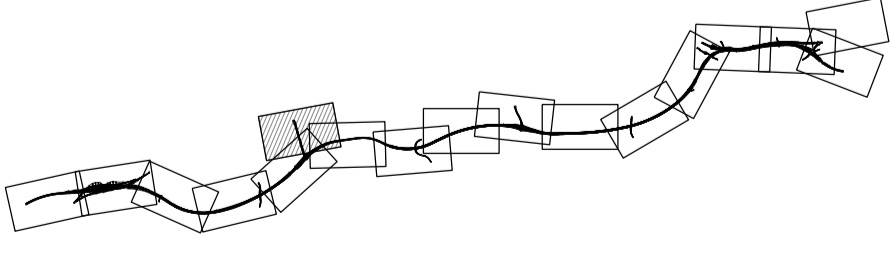
GENERAL NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. ONLY WRITTEN DIMENSIONS SHALL BE USED. DO NOT SCALE.
3. FIN DRAINS NOT SHOWN FOR CLARITY. TO BE HCD F18 TYPE 7.

LEGEND:

- CATCHPIT - HCD F11 / MANHOLE - HCD F4, F5, F6 & F7
- INTAKE CHAMBER - HCD F22 & F24
- ▬ PETROL INTERCEPTOR
- ▬ CONCRETE HEADWALL
- ▬ GRASSED CHANNEL IN BOX CULVERT
- ▬ CARRIER PIPE - HCD F1
- ▬ CONCRETE CHANNEL - HCD F21 & B3 & B7 & B12
- ▬ CONCRETE CHANNEL - HCD F21 & B3 & B7 & B12 WITH CARRIER PIPE - HCD F1 BELOW
- ▬ GRASSED CHANNEL
- ▬ COMBINED KERB DRAINAGE
- ▬ REPLACEMENT REEN
- ▬ REPLACEMENT FIELD DITCH
- ▬ HIGHWAY CUT OFF DITCH
- ▬ FILTER DRAIN - HCD F2
- ▬ EXISTING REEN
- ▬ EXISTING REEN TO BE FILLED
- ▬ EXISTING FIELD DITCH TO BE FILLED
- ▬ EXISTING CULVERT TO BE RETAINED
- ▬ PROPOSED CULVERT
- ▬ COMBINED KERB DRAINAGE WITH CARRIER PIPE - HCD F1 BELOW

KEY PLAN:



- EXISTING NRW SLUICE
- PROPOSED NRW TILTING WEIR/PENSTOCK
- POTENTIAL NRW ACCESS (IN ABEYANCE)
- ▬ INDIRECT LOSS FIELD DITCHES
- ▬ PROPOSED SLUICE
- ▬ SITE OF SPECIAL SCIENTIFIC INTEREST BOUNDARY

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made to the design hazard log).

Construction	No exceptional risks
Maintenance / Cleaning	Maes Glas Pill Culvert access
Use	No exceptional risks
Decommissioning / Demolition	No exceptional risks

Rev.	Date	Description	By	Chk'd	App'd
ISSUE 1	27/01/16	FINAL ISSUE TO WG	AC	DOL	HR
ISSUE 2	26/08/16	SUPPLEMENTARY ISSUE	AC	DOL	HR
ISSUE 3	05/12/16	SUPPLEMENTARY ISSUE	AC	DOL	HR

Drawing Status	Subsidiary	Project Title
Project Team		M4 CORRIDOR AROUND NEWPORT
Client		FIGURE SR2.5 HIGHWAY DRAINAGE AND REEN MITIGATION SHEET 16 OF 16



Llywodraeth Cymru  
Welsh Government

Scale	1:2500	Designed / Drawn	AC	Checked	DOL	Approved	HR	Authorised	KEN
Original Size	A1	Date	05/12/2016	Date	05/12/2016	Date	05/12/2016	Date	05/12/2016
Drawing Number	Project		Originator	Volume	Revision				
	M4CaN - DJV - HDG - ZG_GEN - DR - CD - 0016				ISSUE 3				
Location	Type	Role	Number						