

ROAD 1

Vertical Exaggeration: 5
Datum: 0.000M AOD

CHAINAGE ON CENTRELINE (m)	0.000	10.000	20.000	30.000	37.193	40.000	42.193	47.193	50.000	53.314	58.314	60.000	63.314	70.000	80.000	88.896	90.000	91.696	94.896	95.896				
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	7.042	6.978	6.933	6.888	6.578	6.558	6.533	6.642	6.713	6.766	6.879	6.887	6.873	6.888	6.706	6.617	6.610	6.620	6.601	6.617	6.609			
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT -1.3% (-1 in 80) LENGTH = 37.193m				SAG CURVE R = 284.840 L = 10.000				GRADIENT 2.5% (1 in 40) LENGTH = 6.12m				HOG CURVE R = 283.618 L = 10.000				GRADIENT -1.0% (-1 in 100) LENGTH = 25.562m				SAG CURVE R = 134.589 L = 6.000			
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 39.421m				CURVE R = 15.250 L = 27.920				CURVE R = 14.750 L = 10.404				CURVE R = 14.750 L = 10.404				CURVE R = 14.750 L = 10.404							
EXISTING LEVELS (m)	7.054	6.998	7.009	7.181	7.038	6.975	6.975	6.772	6.867	6.571	6.461	6.459	6.451	6.467	6.577	6.692	6.695	6.683	6.679	6.677	6.669			

ROAD 2 - EXTENDED

Vertical Exaggeration: 5
Datum: 4.000M AOD

CHAINAGE ON CENTRELINE (m)	0.000	10.000	20.000	21.634	26.634	30.000	31.634	40.000	50.827
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	6.936	6.781	6.696	6.638	6.688	6.629	6.650	6.779	6.946
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT -1.2% (-1 in 80) LENGTH = 21.634m		SAG CURVE R = 358.052 L = 10.000		GRADIENT 1.5% (1 in 65) LENGTH = 19.193m				
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 14.519m		CURVE R = 22.250 L = 7.065		STRAIGHT LENGTH = 29.243m				
EXISTING LEVELS (m)	6.477	6.401	6.481	6.477	6.573	6.600	6.600	6.592	6.826
EARTHWORK LEVELS (m)					6.250	6.250		6.250	6.050

SECTION PLOTS 1-6

Vertical Exaggeration: 5
Datum: 4.000M AOD

CHAINAGE ON CENTRELINE (m)	0.000	10.000	20.000	30.000	40.000	50.000	58.892
EXISTING LEVELS (m)	6.779	6.575	6.591	6.487	6.411	6.490	6.497

ROAD 3 - EXTENDED

Vertical Exaggeration: 5
Datum: 5.000M AOD

CHAINAGE ON CENTRELINE (m)	0.000	10.000	14.628	16.250	20.000	25.804
LEVELS ON CENTRELINE OF CARRIAGEWAY (m)	6.708	6.923	7.043	7.198	7.129	7.023
VERTICAL DESIGN ON CARRIAGEWAY CENTRELINE	GRADIENT 2.2% (1 in 45) LENGTH = 14.250m		STRAIGHT LENGTH = 25.804m		GRADIENT -1.8% (-1 in 55) LENGTH = 9.554m	
HORIZONTAL DESIGN ON CARRIAGEWAY CENTRELINE	STRAIGHT LENGTH = 25.804m					
EXISTING LEVELS (m)	7.152	7.100	7.023	6.995	6.935	6.972

- NOTES**
- ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS SHOWN OTHERWISE.
 - THIS DESIGN IS PROPOSED ON THE BASIS OF CLIENT BRIEF, SPECIFICATIONS, BEST PRACTICE AND RISK REDUCTION / ELIMINATION. THE DESIGNER MUST BE CONSULTED ON ANY PROPOSED CHANGES, BEFORE THEY ARE CONSIDERED FOR IMPLEMENTATION

KEY

--- EXISTING GROUND PROFILE
--- PROPOSED GROUND PROFILE

SITE LOCATION
GRID REFERENCE: E301486, N381597
SITE ADDRESS: MAES EMLYN, RHYL, DENBIGHSHIRE, LL18 4AB

CAUTION: THE MANAGEMENT AND DESIGN OF ANY AND ALL TEMPORARY WORKS REQUIRED TO EXECUTE THIS DESIGN ARE THE RESPONSIBILITY OF THE CONTRACTOR.

P01	02/02/26	FIRST ISSUE	AV	AR	NJ
REV	DATE	DESCRIPTION	ORG	CHK	APP



PRINCIPAL DESIGNER

Waterco
Waterco Ltd., Eden Court, Lon Parcwr Business Park, Ruthin LL15 1NJ
tel (+44) 1824 702220
www.waterco.co.uk

SCHEME
MAES EMLYN, RHYL

TITLE
PROPOSED SITE SECTIONS SHEET 1 OF 2

ORIGINATOR A.VALE	CHECKER A.RUSSELL	APPROVER N.JONES
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STATUS
PRELIMINARY

SCALE / SHEET SIZE AS SHOWN / A1	REV P01
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DRAWING NUMBER
14973-1003

