

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED AND ONLY WRITTEN DIMENSIONS SHALL BE USED



KEY

- 2.001 SITE BOUNDARY
- S13 SECTION 104 SURFACE WATER SEWER AND MANHOLE TO BE ADOPTED BY WELSH WATER
- HIGHWAY ROAD GULLY TO BE ADOPTED UNDER A SECTION 38 AGREEMENT
- PROPOSED HIGHWAY CONTOUR
- 300mm TIE-IN TO EXISTING HIGHWAY

THE DEVELOPER MUST SELF-VET AND CERTIFY THAT THE DESIGN CRITERIA, MATERIAL STANDARDS AND WORKMANSHIP SPECIFICATIONS FOR THE PROPOSED ADOPTABLE SEWERS ARE IN ACCORDANCE WITH THOSE SET OUT IN "SEWERS FOR ADOPTION 7TH ADDITION" AND THE REQUIREMENTS OF WELSH WATER.

NOTES:

ALL DIMENSIONS IN METERS UNLESS STATED OTHERWISE.

ALL PRIVATE DRAINAGE WORKS ARE TO COMPLY WITH THE REQUIREMENTS OF BS 752 BUILDING DRAINAGE AND BUILDING REGULATIONS 2010 APPROVED DOCUMENT H. ALL ADOPTABLE DRAINAGE TO COMPLY WITH THE REQUIREMENTS OF WELSH WATER AND SEWERS FOR ADOPTION (7th EDITION), INCLUDING THE RELEVANT PROVISIONS OF THE COMBINED ADDENDUM.

ALL MATERIALS, UNLESS SPECIFIED OTHERWISE, SHALL COMPLY WITH THE RELEVANT BRITISH STANDARD. SOURCES OF MATERIALS ARE TO BE AGREED WITH THE EMPLOYER'S REPRESENTATIVE/ENGINEER IN ADVANCE OF THE WORKS.

ANY DISCREPANCIES IN THE DETAILS SHOWN TO BE REPORTED TO THE EMPLOYER'S REPRESENTATIVE/ENGINEER PRIOR TO CONSTRUCTION.

ALL EXISTING SERVICES TO BE LOCATED PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS WHERE NECESSARY PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORKS.

ALL ADOPTABLE DRAINAGE AND FITTINGS TO BE FLEXIBLY JOINTED CLAYWARE TO BS EN295 OR CONCRETE TO BS5911 PART 100. FLEXIBLY JOINTED UPVC PIPES AND FITTINGS TO WIS No 4-13-05 MAY BE USED FOR PRIVATE BUILDING DRAINAGE SYSTEMS ONLY.

BACKFILL TO DRAINAGE TRENCHES UNDER CARRIAGEWAYS TO BE TYPE 1 SUB-BASE MATERIAL. ELSEWHERE BACKFILL TO BE FREE DRAINING READILY COMPATIBLE MATERIAL, FREE FROM RUBBISH AND ORGANIC MATTER, FROZEN SOIL CLAY LUMPS AND LARGE STONES. TO BE COMPACTED IN LAYERS NOT EXCEEDING 150mm THICK.

THE DEVELOPER SHALL BE RESPONSIBLE FOR LIAISON WITH THE STATUTORY UNDERTAKERS AND OTHER CABLE SERVICE COMPANIES FOR THE PROVISION OF ALL REQUIRED SERVICES.

SAFE PASSAGE FOR PEDESTRIANS SHALL BE MAINTAINED AT ALL TIME DURING THE CONSTRUCTION PERIOD.

ALL FOUNDATION DESIGN/MATERIALS TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH WBCB RESIDENTIAL ROADS & FOOTPATHS - APPENDIX D MINIMUM CONSTRUCTION SPECIFICATION (COPY ATTACHED). ALL TEST RESULTS/CERTIFICATES SHALL BE SUBMITTED TO WBCB FOR FURTHER APPROVAL.

ROAD MARKINGS SHALL COMPLY WITH THE TRAFFIC SIGNS REGULATIONS & GENERAL DIRECTIONS 2002 AND TRAFFIC SIGNS MANUAL (CHAPTER 5) ROAD MARKINGS 2003.

PARKING PROVISION

ALL PARKING SPACES (DRIVEWAY/PRIVATE PARKING COURTS) SHALL COMPLY WITH THE DIMENSIONAL REQUIREMENTS OF WBCB - LOCAL PLANNING GUIDANCE NOTE 16. EACH SPACE SHALL BE 2.4M X 4.8M (EXCEPT FOR DISABLED SPACES WHICH SHALL BE 3.6M X 4.8M).

STREET LIGHTING LAYOUT ADDED FOR S38 APPROVAL	RJS/JUM	12.10.15	D
BASE AMENDED TO SUITE NEW ARCHITECTS LAYOUT	RJS/JUM	25.08.15	C
ROAD MARKING AMENDED ANNOTATION ADDED	RJS/JUM	13.08.15	B
ANNOTATION AND DIMENSIONS ADDED TO SUITE WREXHAM COUNCIL COMMENTS	RJS/JUM	28.07.15	A
Revision Details	By	Date	Suffix
	Check		

Drawing Number
J01212/A1/015

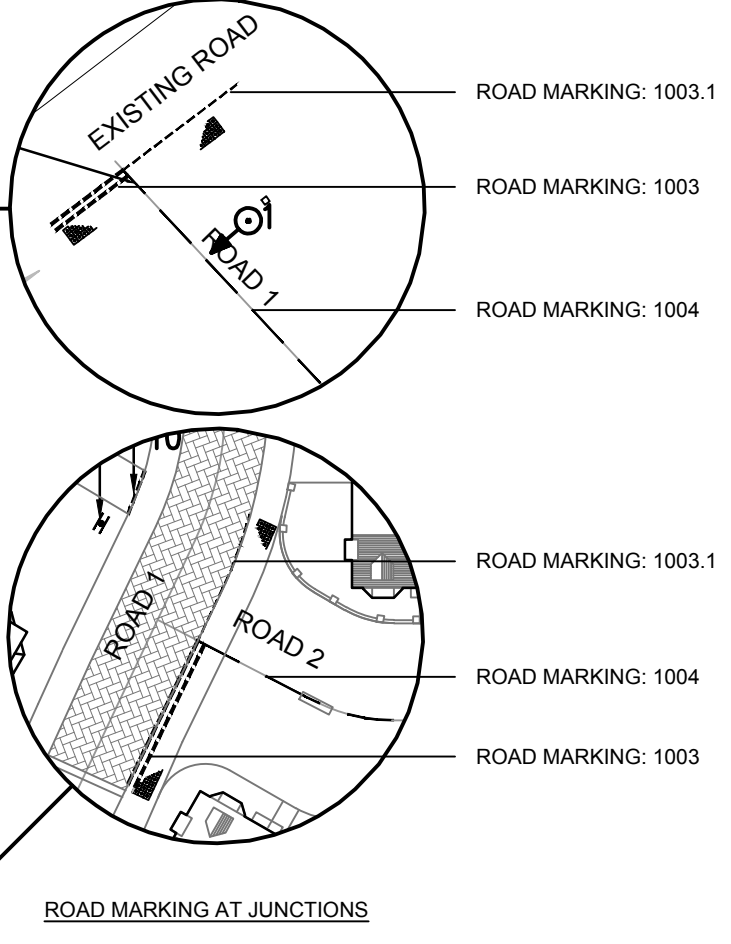
**BRYN-Y-GROS
GRESFORD
WREXHAM**

Drawing Title
**HIGHWAY
LAYOUT**

Scale at A1 NTS	Detailed	Approved <i>James Mewis</i>
Drawn MTC	Tech Chk JUM	Det Chk JUM
		Date 07.07.15

www.jnmengineering.co.uk

Unit 8a, The Parade
Shifnal, Shropshire
Tel: 01952 684675
info@jnmengineering.co.uk
Company Registration Number: 05782540



ROAD MARKINGS TO COMPLY WITH THE TRAFFIC SIGNS REGULATIONS & GENERAL DIRECTIONS 2002 AND TRAFFIC SIGNS MANUAL (CHAPTER 5) ROAD MARKINGS 2003

Street Lighting

Column: 6m tubular steel column type
CU Phosco 5mm base 3mm shaft

Lantern: post top mounted PHOSCO P567A LED
06-NW-B500-Standard-FG-39W
Gear: standard integral gear

PECU: SELC SELC ARCO mini cell set to switch on at 35 lux with a 2 to 1 negative switching ratio.

All Columns to be Serviced with Distribution Network Cut Out.

All Columns must have a Tofo type isolator fitted above the DNO Cut Out

IDNO installations need to advise Wrexham Council prior to installation.

IDNO details must be issued to the Council's street lighting department.

IDNO emergency details must be visible in the base of each column

All work to be in accordance with Wrexham Specification 2015.

It is the contractors responsibility to undertake a full risk assessment prior to the columns being erected.