



NOTES

1. ALL ADOPTABLE SEWERS AND ASSOCIATED WORKS ARE TO COMPLY FULLY WITH 'SEWERS FOR ADOPTION' 7TH EDITION. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE ON-SITE DRAWINGS PRIOR TO UNDERTAKING ANY WORKS AND ANY DISCREPANCIES WITH BOUNDARIES, TENCELEDS, EARTHWORKS OR OTHERWISE REPORTED IMMEDIATELY TO THE ENGINEER PRIOR TO WORKS COMMENCING.

2. ALL HIGHWAY AND DRAINAGE WORKS TO BE SET TO ADOPTABLE STANDARDS AND SHALL COMPLY FULLY WITH THE LOCAL AUTHORITY SPECIFICATION, APPROVED STANDARD DETAILS AND THE RELEVANT SECTIONS OF THE DESIGN MANUAL FOR ROADS AND BRIDGES, SPECIFICATION FOR HIGHWAY WORKS AND BRITISH STANDARDS CONTRACTOR TO ENSURE POSITIVE DRAINAGE TO ALL GULLIES PRIOR TO UNDERTAKING ANY PAVEMENT WORKS.

3. ANY PRIVATE WORKS ARE TO COMPLY FULLY WITH THE LATEST EDITIONS OF THE BUILDING REGULATIONS

4. ALL EXISTING STATIONS, INVERT LEVELS AND DRAINAGE NETWORK TO BE CHECKED BY THE CONTRACTOR AT THE START OF WORKS AND ANY DISCREPANCIES NOTIFIED TO THE ENGINEER. ALL LEVELS ARE BASED ON ORDNANCE DATUM AND ARE TO BE CONFIRMED BY THE CONTRACTOR. ANY DISCREPANCIES BETWEEN THIS AND OTHER DRAWINGS TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.

5. ALL MATERIALS TO BEAR THE RELEVANT B.S.KITEMARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL MATERIALS TO BE AGREED WITH THE OVERSEEING LOCAL AUTHORITY REPRESENTATIVE PRIOR TO ORDERING. ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH THE RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL INVESTIGATION REPORT PROVED THAT SULPHATE ATTACK FROM SOILS AND GROUNDWATER WILL NOT OCCUR)

6. ALL STATUTORY CONSENTS, OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS AND WATER INDUSTRIES ACTS, ARE TO BE OBTAINED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF THE WORKS (UNLESS OTHERWISE STATED) ALL WORKS ARE TO BE INSPECTED BY L.A., NHBC OR STATUTORY AUTHORITY AS APPLICABLE.

7. CONTRACTOR TO MAKE ADVANCE ALLOWANCE FOR THE MANAGEMENT AND COORDINATION OF STATUTORY UNDERTAKERS DIVERSIONS WITHIN THEIR PROGRAMME OF WORKS. PRESENCE OF STATUTORY UNDERTAKERS EQUIPMENT IN THE HIGHWAY SHOULD BE VERIFIED BY THE CONTRACTOR ON SITE PRIOR TO STARTING ANY WORKS THE LOCATION OF STATUTORY PLANT SHOWN ON ANY PLANS IS INDICATIVE ONLY AND SHOULD NOT BE RELIED UPON FOR THE LOCATION OF ANY PIPEWORK OR CABLING. THE CONTRACTOR SHOULD CONFIRM THE EXACT LOCATION OF ALL SERVICES ON SITE PRIOR TO COMMENCING ANY EXCAVATIONS. CONTRACTOR TO MAKE ALLOWANCE FOR THE PRESENCE OF ALL STATS. APPROPRIATE PROTECTION / DIVERSION MEASURES (INCORPORATING SPLIT DUCT AND 150MM CONCRETE SURROUND OR SIMILAR STATUTORY APPROVED METHOD) IS TO BE PUT IN PLACE BY THE CONTRACTOR UNLESS STATED OTHERWISE) WHERE STATS EQUIPMENT ARE FOUND TO BE WITHIN THE AREA OF HIGHWAY WORKS.

8. PRIOR TO ORDERING THE CONTRACTOR IS TO AGREE ALL SIGN POST/LIGHTING COLUMN MATERIALS AND FINISHES WITH THE LOCAL AUTHORITY. ALL SIGNS TO COMPLY WITH BS EN 12899:2007 AND ITS NATIONAL ANNEX. TYPE OF POSTS, FINISHES AND LIGHTING UNITS/COLUMNS TO BE AGREED WITH LA STREETLIGHTING ENGINEER PRIOR TO ORDERING. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE PROVISION OF ALL REQUIRED EQUIPMENT AND ELECTRICAL FEEDS TO LIGHTING AND SIGNALS PRIOR TO WORKS COMMENCING. CONTRACTOR TO MAKE ALLOWANCE FOR ANY LEAD-INS WITHIN THEIR PROGRAMME

9. ALL ROADMARKINGS TO BE LAID IN ACCORDANCE WITH THE REQUIREMENTS OF THE TRAFFIC SIGNS MANUAL CHAPTER 5, TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS. ROADMARKING MATERIALS, LAYING AND PERFORMANCE TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF BS EN 1436.ALL ACCESS COVERS WITHIN THE VICINITY OF THE WORKS TO HAVE FRICTION COVERS AND AGREED WITH LA ENGINEER. PSV OF ALL LINING AND COVERS TO SUIT ADJACENT SURFACING

10. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL ADVANCE NOTICES ARE IN PLACE AND TRAFFIC MANAGEMENT AGREED FOR THE WORKS PRIOR TO COMMENCING. THE CONTRACTOR IS TO MAKE ALLOWANCE FOR THE ADVANCE PROVISION OF ALL ELECTRICAL WORKS AND EQUIPMENT FOR SIGNALS AND STREETLIGHTING WITHIN THEIR PROGRAMME OF WORKS

C.D.M. REGULATIONS 2015

IN LINE WITH THE ABOVE REGULATIONS WE ARE OBLIGED TO INFORM THE CLIENT OF THE RISKS THAT MAY BE ENCOUNTERED IN THE CONSTRUCTION OF THESE WORKS. WHEREVER POSSIBLE RISKS HAVE BEEN ELIMINATED THROUGH DESIGN. THE RISKS THAT REMAIN ARE SET OUT BELOW. IN DOING THIS WORK IT IS IMPOSSIBLE TO REMOVE ALL THE RISKS FROM THE DESIGN. WE WOULD ALSO RESPECTFULLY REMIND THE CLIENT OF HIS OBLIGATIONS TO TAKE ALL REASONABLE STEPS IN ENSURING THAT ONLY COMPETENT CONTRACTORS WHO HAVE A VALID SAFETY POLICY ARE EMPLOYED. THEY SHOULD ALSO PROVIDE SATISFACTORY RESPONSES AT TENDER STAGE AS TO THE MANNER IN WHICH THEY WILL DEAL WITH THE ELEMENTS OF RISK INVOLVED IN THIS TYPE OF WORK AND IN PARTICULAR THOSE HIGHLIGHTED BY CROFT BELOW:-

1. TRENCH EXCAVATIONS IN EXCESS OF 1.2M DEEP
2. PROTECTION TO EDGES OF EXCAVATIONS TO PREVENT PEOPLE, MATERIALS AND VEHICLES FALLING INTO EXCAVATION.
3. GUARDING OF EXCAVATIONS OUTSIDE WORKING HOURS TO PREVENT UNAUTHORISED ACCESS.
4. UNDERMINING TO ADJACENT ROADS OR STRUCTURES.
5. CONFINED SPACE OPERATIONS.
6. WORKING ADJACENT TO SERVICES.
7. TRAFFIC MANAGEMENT ON EXISTING HIGHWAYS AND PROTECTION OF SITE PERSONNEL AND MEMBERS OF THE PUBLIC.
8. PROCEDURE TO BE FOLLOWED IN EVENT OF ACCIDENT OR EMERGENCY.
9. METHOD OF WORKING WHERE CONTAMINATED GROUND IS PRESENT ON SITE.
10. ALL OPERATIVES ENGAGED ON THE WORKS SHALL BE ALL OPERATIVES ARE ADEQUATELY TRAINED, COPIES OF RELEVANT TRAINING CERTIFICATES TO BE SUPPLIED.
11. ANY CONSTRUCTION PERSONNEL, INCLUDING OPERATIVES INTENDING TO CONSTRUCT THE DESIGNS SHOWN ON THIS DRAWING SHOULD ENSURE THAT THEY
HAVE BEEN REGULARLY AND THOROUGHLY BRIEFED BY THE PRINCIPAL CONTRACTOR ON ALL HEALTH AND SAFETY MATTERS AND HAVE HAD SIGHT OF:

i) THE FULL DESIGNERS AND CONTRACTORS RISK ASSESSMENTS AND RISK REGISTERS.
ii) THE DEVELOPED CONSTRUCTION HEALTH AND SAFETY PLAN
iii) THE CONTRACTORS CONSTRUCTION METHOD STATEMENTS.

THE ABOVE LIST IS BY NO MEANS EXHAUSTIVE BUT IT DOES HIGHLIGHT OPERATIONS THAT PRESENT A RISK TO CONTRACTORS AND THE GENERAL PUBLIC.

EXISTING ROAD MARKINGS

PROPOSED ROAD MARKINGS

TRAFFIC SIGN SCHEDULE

REF.	DIAG.NO	DIMENSION	DESCRIPTIVE TEXT	ILLUMINATION REQUIREMENT	POST & FOUNDATION	NOTES
B1	610	AS SUPPLIED ON BOLLARD APPROX. 300MM	FLEXIBLE WEEBOLL BOLLARDS CONTRACTOR TO AGREE EXACT SPEC WITH LA ENGINEER PRIOR TO ORDERING	ILLUMINATED WITH KEEP LEFT ASPECT	REFER TO MANUFACTURERS INSTRUCTIONS & LIGHTING DESIGN	
B2	611	AS SUPPLIED ON BOLLARD APPROX. 300MM	FLEXIBLE WEEBOLL BOLLARDS CONTRACTOR TO AGREE EXACT SPEC WITH LA ENGINEER PRIOR TO ORDERING	ILLUMINATED WITH KEEP LEFT / RIGHT ASPECT	REFER TO MANUFACTURERS INSTRUCTIONS & LIGHTING DESIGN	
S1	7014	W495xH495	NEW ROAD LAYOUT AHEAD	NON-ILLUMINATED - 2.3m MOUNTING HEIGHT	FIXED TO APPROPRIATE STREET FURNITURE	
S2	674	W676xH1019	20mph zone	ILLUMINATED - 2.3m MOUNTING HEIGHT	76mmx4mm CHS W600xL1100xD600 (FIXED BACK TO BACK S3)	
S3	670	600 Dia	30mph	ILLUMINATED - 2.3m MOUNTING HEIGHT	76mmx3.2mm CHS (WIDE BASED) W350xL600xD600 (FIXED BACK TO BACK S2 & S4)	
S4	671	600 DIA	NATIONAL SPEED LIMIT	ILLUMINATED - 2.3m MOUNTING HEIGHT	76mmx3.2mm CHS (WIDE BASED) W350xL600xD600 (FIXED BACK TO BACK S3)	

NEW ROAD LAYOUT AHEAD

'NEW ROAD LAYOUT AHEAD' SIGNS TO BE ERECTED WHERE POSSIBLE ON EXISTING LIGHTING COLUMNS OR POSTS MIN 45M IN ADVANCE OF THE WORKS AND REMAIN IN PLACE FOR 3 MONTHS AFTER THE WORKS ARE COMPLETED.

Signing Project	S1				
Sign Reference x Height	7014	Width (mm)	495	Background	Red
Material	60.0 Class RA1	Height (mm)	495	Border	White
		Area (sq.m)	0.25	Legend	White

20 ZONE PARTH

Signing Project	S2				
Sign Reference x Height	674	Width (mm)	676	Background	White
Material	75.0 Class RA2	Height (mm)	1019	Border	Black
		Area (sq.m)	0.69	Legend	Black

30

Signing Project	S3				
Sign Reference x Height	670	Width (mm)	600	Background	White
Material	– Class RA2	Height (mm)	600	Border	Red
		Area (sq.m)	0.28	Legend	Black

Signing Project	S4				
Sign Reference x Height	671	Width (mm)	600	Background	Red
Material	Class RA2	Height (mm)	600	Border	White
		Area (sq.m)	0.25	Legend	White

ROAD MARKING SCHEDULE

DIAG. No.	LINE	GAP	WIDTH	SIZE	COLOUR	NOTES
1001	-	-	200	-	WHITE	STOP LINE
1003A	600	300	200	-	WHITE	GIVE WAY AT JUNCTION
1004	4000	2000	100	-	WHITE	CENTRE-LINE
1004.1	6000	3000	150	-	WHITE	CENTRE-LINE
1005.1	7000	2000	150	-	WHITE	DIVISION OF CARRIAGEWAY INTO TRAFFIC LANES
1009A	600	300	100	-	WHITE	EDGE OF CARRIAGEWAY MARKING
1038	-	-	-	6000	WHITE	LANE ARROW
1039	-	-	-	16000	WHITE	BIFURCATION ARROW
1040.3	-	-	-	-	WHITE	INTERNAL HATCHING
1041	-	-	-	-	WHITE	INTERNAL HATCHING
1065	-	-	-	-	WHITE	20MPH ROUNDEL

SIGN FOUNDATIONS, POSTS AND LIGHTING COLUMNS

PRIOR TO ORDERING THE CONTRACTOR IS TO AGREE/CHECK ALL SIGN POST/LIGHTING COLUMN MATERIALS, DIMENSIONS AND FINISHES WITH LCC. ALL SIGNS TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH BS EN 12899.

GENERAL

ALL SIGNS TO COMPLY WITH BS EN 12899:2007 AND ITS NATIONAL ANNEX.

LIGHTING UNITS/COLUMNS TO BE AGREED WITH LA STREETLIGHTING ENGINEER PRIOR TO ORDERING. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE PROVISION OF ALL REQUIRED EQUIPMENT AND ELECTRICAL FEEDS TO LIGHTING AND SIGNALS PRIOR TO WORKS COMMENCING. CONTRACTOR TO MAKE ALLOWANCE FOR ANY LEAD-INS WITHIN THEIR PROGRAMME.

THE CONTRACTOR IS TO REFER TO STANDARD DETAILS AS SUPPLIED FOR CONSTRUCTION DETAILS RELATING TO THE WORKS. ALL WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL ADVANCE NOTICES ARE IN PLACE AND TRAFFIC MANAGEMENT AGREED FOR THE WORKS PRIOR TO COMMENCING. THE CONTRACTOR IS TO MAKE ALLOWANCE FOR THE PROVISION OF ALL ELECTRICAL WORKS AND EQUIPMENT FOR SIGNALS AND STREETLIGHTING AND PROVISION OF STATUTORY DIVERSIONS WITHIN THEIR PROGRAMME OF WORKS, PRIOR TO ARRIVAL ON SITE.

SIGN POSTS LINING AND LIGHTING COLUMNS

1. PRIOR TO ORDERING THE CONTRACTOR IS TO AGREE ALL SIGN POST/LIGHTING COLUMN MATERIALS AND FINISHES WITH THE LOCAL AUTHORITY.

2. ALL SIGNS TO COMPLY WITH BS EN 12899:2007 AND ITS NATIONAL ANNEX.

3. ALL SIGNS TO HAVE A MINIMUM CLEARANCE OF 450MM FROM THE CARRIAGEWAY AND 2.3M TO UNDERSIDE OF SIGN.

4. ALL REDUNDANT MARKINGS TO BE REMOVED IN ACCORDANCE WITH SUB CLAUSE 1212.18 OF THE SHW AND A METHOD TO BE AGREED WITH THE LOCAL AUTHORITY PRIOR TO COMMENCING. CONTRACTOR/CLIENT TO MAKE ALLOWANCE FOR POTENTIAL REQUIREMENT OF RESURFACING IN AREAS WHERE LINING ARE REMOVED SUBJECT TO CONDITION OF SURFACING FOLLOWING THE WORKS.

5. ALL NEW MARKINGS TO HAVE EQUIVALENT PSV TO ADJACENT SURFACING IN ACCORDANCE WITH BS EN 1436.

6. ALL MANHOLE AND ACCESS COVERS WITHIN WHEELTRACKS TO HAVE HIGH FRICTION COVERS TO MATCH ADJACENT SURFACING PSV. FORM OF ANTI SKID TO BE AGREED WITH LA ENGINEER PRIOR TO INSTALLATION.

ROAD MARKINGS

ALL AFFECTED/REDUNDANT EXISTING MARKINGS SHALL BE REMOVED IN ACCORDANCE WITH SUB CLAUSE 1212.18 OF THE SPECIFICATION FOR HIGHWAY WORKS AND A METHOD APPROVED BY THE LA ENGINEER. ROAD MARKINGS IN ACCORDANCE WITH BS EN1436. EQUIVALENT SKID RESISTANCE TO BE PROVIDED BETWEEN ROAD MARKINGS AND ADJACENT SURFACING. ALL MANHOLE COVERS WITHIN WHEELTRACK AREAS TO HAVE HIGH FRICTION COVERS TO SUIT ADJACENT SURFACING.

REV	DETAILS	DRAWN	CHECKED	DATE
-	-	-	-	-

CLIENT:
CASTLE GREEN HOMES

PROJECT:
STANSTY CHAIN ROAD,
WREXHAM
(WREXHAM CB COUNCIL)

DRAWING TITLE:
S278 SIGNS AND MARKINGS

SCALES:
1:250 @ A0

DRAWN:	CHECKED:	DATE:
LB	JC	MAY 25

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DRAWING NUMBER: 4813-D003
REVISION: -

Eddisons

PLAN 01 - MOLD ROAD CONTINUATION

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