ROAD MARKING SCHEDULE

DIAG. No.	LINE	GAP	WIDTH	SIZE	COLOUR	NOTES
1001	-	-	200	-	WHITE	STOP LINE AT CROSSING
1003.1	1000	1000	200	-	WHITE	GIVE WAY MARKINGS AT RBT
1004	4000	2000	100	-	WHITE	CENTRE LINE MARKINGS
1040	4000	2000	100	-	WHITE	TAPER MARKINGS
1040 (HATCHING)	-	3000	150	-	WHITE	INTERNAL HATCHING

ROAD MARKINGS

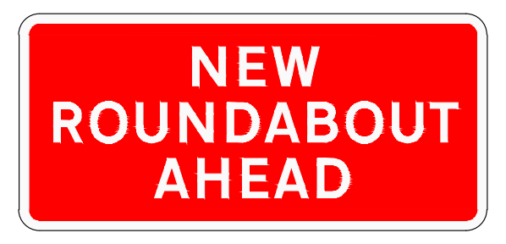
ALL AFFECTED/REDUNDANT EXISTING MARKINGS SHALL BE REMOVED IN ACCORDANCE WITH SUB CLAUSE 1212.18 OF THE SPECIFICATION FOR HIGHWAY WORKS AND A METHOD APPROVED BY THE LA ENGINEER. ROAD MARKINGS IN ACCORDANCE WITH BS EN1436. EQUIVALENT SKID RESISTANCE TO BE PROVIDED BETWEEN ROAD MARKINGS AND ADJACENT SURFACING.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

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 THE LOCAL AUTHORITY ENGINEER. ALL SIGNS TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH BS EN 12899.

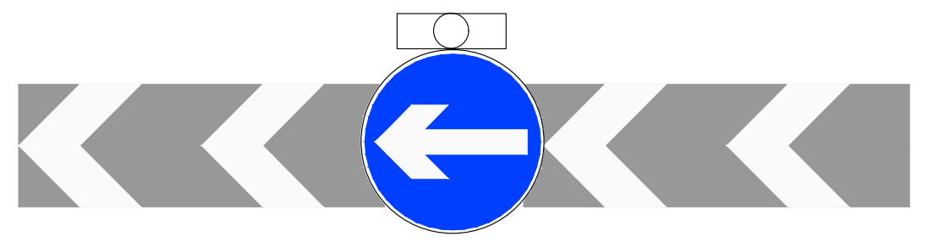
TRAFFIC SIGN SCHEDULE

REF.	DIAG.NO	DIMENSION	DESCRIPTIVE TEXT	ILLUMINATION REQUIREMENT	POST & FOUNDATION	NOTES
S1 X2	7014	W900xH420	NEW ROUNDABOUT AHEAD	NON-ILLUMINATED-2.3M MOUNTING HEIGHT	FIXED TO APPROPRIATE LIGHTING COLUMNS MIN 45M IN ADVANCE OF WORKS	TEMPORARY SIGNS TO BE TAKEN DOWN 3 MONTHS FOLLOWING COMPLETION OF WORKS.
S2 x3	7014	W670xH585	NEW TRAFFIC SIGNALS AHEAD	NON-ILLUMINATED-2.3M MOUNTING HEIGHT	FIXED TO APPROPRIATE LIGHTING COLUMNS MIN 45M IN ADVANCE OF WORKS	TEMPORARY SIGNS TO BE TAKEN DOWN 3 MONTHS FOLLOWING COMPLETION OF WORKS.
S3 x8	515	W1265xH400	SHARP DEVIATION OF ROUTE	NON-ILLUMINATED-1.0M MOUNTING HEIGHT	1X76MMX3.2 CHS W350XD600XL600MM	
S4 x4	606	600 DIA	KEEP LEFT	ILLUMINATED-1.0M MOUNTING HEIGHT	1X76MMX3.2 CHS (WIDE BASED) W350XD600XL600MM	
S5 x2	670	W720xH720 (INC. YELLOW BACKING BOARD)	30MPH SPEED LIMIT	NON-ILLUMINATED-2.3M MOUNTING HEIGHT	1X76MMX3.2 CHS W350XD600XL600MM	
S6 x2	670	W720xH720 (INC. YELLOW BACKING BOARD)	50MPH SPEED LIMIT	NON-ILLUMINATED-2.3M MOUNTING HEIGHT	FIXED BACK TO BACK WITH S5'S	
S7	512.1	W680xH600	BEND AHEAD WARNING SIGN	ILLUMINATED-2.3M MOUNTING HEIGHT	FIXED TO APPROPRIATE LIGHTING COLUMN AS EXISTING	
S8 x2	543	W680xH600	TRAFFIC SIGNAL WARNING SIGN	NON-ILLUMINATED-2.3M MOUNTING HEIGHT	FIXED TO EXISTING SIGN POSTS (REPLACING OLD JUNCTION WARNING SIGNS)	
B1	610	AS SUPPLIED ON BOLLARD APPROX 300MM	SIMMONSIGNS WEEBOL OR SIMILAR. CONTRACTOR TO AGREE EXACT SPEC WITH LA ENGINEER PRIOR TO ORDERING.	REFLECTORISED WITH KEEP LEFT ASPECT	REFER TO MANUFACTURERS INSTRUCTIONS	
B2	PLAIN FACED	AS SUPPLIED	SIMMONSIGNS WEEBOL OR SIMILAR. CONTRACTOR TO AGREE EXACT SPEC WITH LA ENGINEER PRIOR TO ORDERING.	REFLECTORISED PLAIN ASPECT	REFER TO MANUFACTURERS INSTRUCTIONS	



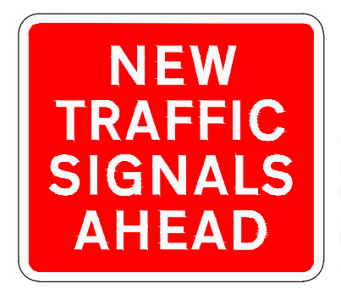
Signing Project	S1 x2				
Sign Reference x Height Material	7014 60.00 CLASS RA1	Width (mm) Height (mm) Area (sq.m)	900 420 0.38	Background Border Legend	Red White White

'NEW ROUNDABOUT AHEAD' SIGNS TO BE ERECTED WHERE POSSIBLE ON EXISTING LIGHTING COLUMNS OR POSTS MIN 45M IN ADVANCE OF THE STOP LINE FOR EACH ARM OF THE ROUNDABOUT EXCLUDING THE INTERNAL SITE ARM AND REMAIN IN PLACE FOR 3 MONTHS AFTER THE WORKS ARE COMPLETED.



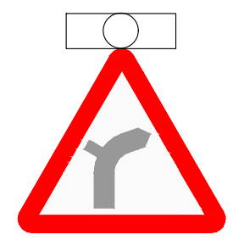
Signing Project	S3				
Sign Reference x Height Material	515 100.0 Class RA2	Width (mm) Height (mm) Area (sq.m)	1265 400 0.51	Background Border Legend	White Black Black

Signing Project	S4				
Sign Reference x Height Material	606 Class RA2	Width (mm) Height (mm) Area (sq.m)	600 600 0.28	Background Border Legend	Blue White White

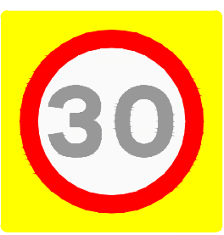


'NEW TRAFFIC SIGNALS AHEAD' SIGNS TO BE ERECTED WHERE POSSIBLE ON EXISTING LIGHTING COLUMNS OR POSTS MIN 45M IN ADVANCE OF THE WORKS AND REMAIN IN PLACE FOR 3 MONTHS AFTER THE WORKS ARE COMPLETED.

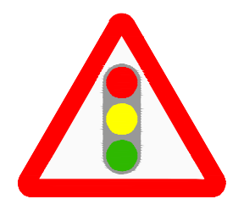
Signing Project	S2 x2				
Sign Reference x Height Material	7014 60.0 Class RA1	Width (mm) Height (mm) Area (sq.m)	670 585 0.39	Background Border Legend	Red White White



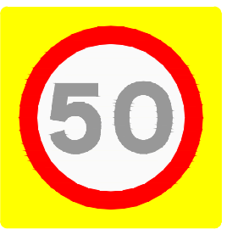
Signing Project	S7				
Sign Reference x Height Material	512.1 Right Class RA2	Width (mm) Height (mm) Area (sq.m)	680 600 0.24	Background Border Legend	White Red Black



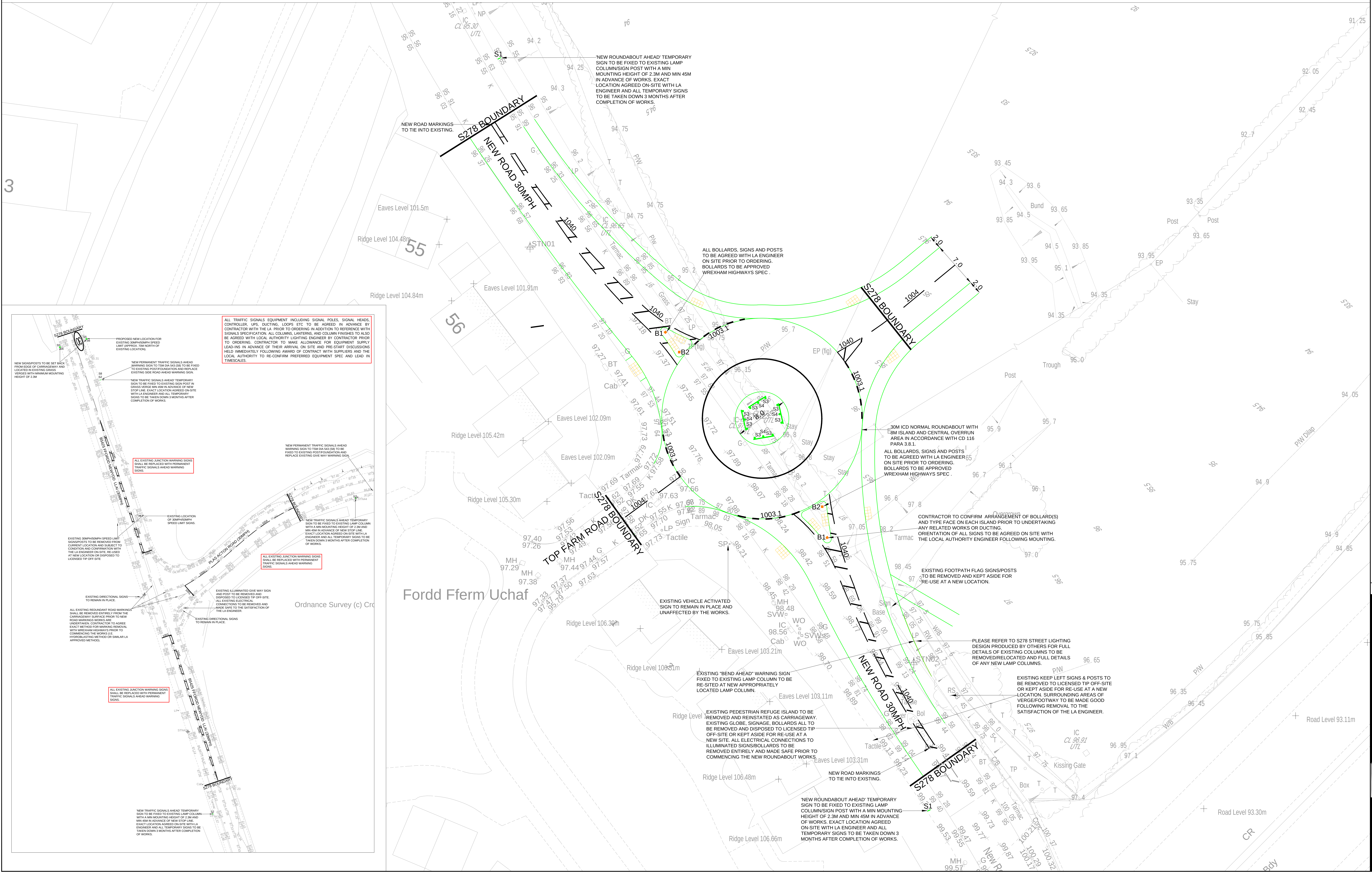
Signing Project	S5				
Sign Reference x Height Material	670 Class RA2	Width (mm) Height (mm) Area (sq.m)	720 720 0.52	Background Border Legend	Yellow



Signing Project	S8				
Sign Reference x Height Material	543 N/A Class RA2	Width (mm) Height (mm) Area (sq.m)	680 600 0.24	Background Border Legend	White Red Black



Signing Project	S6				
Sign Reference x Height Material	670 Class RA2	Width (mm) Height (mm) Area (sq.m)	720 720 0.52	Background Border Legend	Yellow



'NEW ROUNDABOUT AHEAD' TEMPORARY SIGN TO BE FIXED TO EXISTING LAMP COLUMN/SIGN POST WITH A MIN MOUNTING HEIGHT OF 2.3M AND MIN 45M IN ADVANCE OF WORKS. EXACT LOCATION AGREED ON-SITE WITH LA ENGINEER AND ALL TEMPORARY SIGNS TO BE TAKEN DOWN 3 MONTHS AFTER COMPLETION OF WORKS.

NEW ROAD MARKINGS TO TIE INTO EXISTING.

ALL BOLLARDS, SIGNS AND POSTS TO BE AGREED WITH LA ENGINEER ON SITE PRIOR TO ORDERING. BOLLARDS TO BE APPROVED WREXHAM HIGHWAYS SPEC .

30M ICD NORMAL ROUNDABOUT WITH 8M ISLAND AND CENTRAL OVERRUN AREA IN ACCORDANCE WITH CD 116 PARA 3.8.1.

ALL BOLLARDS, SIGNS AND POSTS TO BE AGREED WITH LA ENGINEER ON SITE PRIOR TO ORDERING. BOLLARDS TO BE APPROVED WREXHAM HIGHWAYS SPEC .

CONTRACTOR TO CONFIRM ARRANGEMENT OF BOLLARD(S) AND TYPE FACE ON EACH ISLAND PRIOR TO UNDERTAKING ANY RELATED WORKS OR DUCTING. ORIENTATION OF ALL SIGNS TO BE AGREED ON SITE WITH THE LOCAL AUTHORITY ENGINEER FOLLOWING MOUNTING.

EXISTING FOOTPATH FLAG SIGNS/POSTS TO BE REMOVED AND KEPT ASIDE FOR RE-USE AT A NEW LOCATION.

EXISTING VEHICLE ACTIVATED SIGN TO REMAIN IN PLACE AND UNAFFECTED BY THE WORKS.

PLEASE REFER TO S278 STREET LIGHTING DESIGN PRODUCED BY OTHERS FOR FULL DETAILS OF EXISTING COLUMNS TO BE REMOVED/RELOCATED AND FULL DETAILS OF ANY NEW LAMP COLUMNS.

EXISTING "BEND AHEAD" WARNING SIGN FIXED TO EXISTING LAMP COLUMN TO BE RE-SITED AT NEW APPROPRIATELY LOCATED LAMP COLUMN.

EXISTING KEEP LEFT SIGNS & POSTS TO BE REMOVED TO LICENSED TIP OFF-SITE OR KEPT ASIDE FOR RE-USE AT A NEW LOCATION. SURROUNDING AREAS OF VERGE/FOOTWAY TO BE MADE GOOD FOLLOWING REMOVAL TO THE SATISFACTION OF THE LA ENGINEER.

EXISTING PEDESTRIAN REFUGE ISLAND TO BE REMOVED AND REINSTATED AS CARRIAGEWAY. EXISTING GLOBE, SIGNAGE, BOLLARDS ALL TO BE REMOVED AND DISPOSED TO LICENSED TIP OFF-SITE OR KEPT ASIDE FOR RE-USE AT A NEW SITE. ALL ELECTRICAL CONNECTIONS TO ILLUMINATED SIGNS/BOLLARDS TO BE REMOVED ENTIRELY AND MADE SAFE PRIOR TO COMMENCING THE NEW ROUNDABOUT WORKS.

NEW ROAD MARKINGS TO TIE INTO EXISTING.

'NEW ROUNDABOUT AHEAD' TEMPORARY SIGN TO BE FIXED TO EXISTING LAMP COLUMN/SIGN POST WITH A MIN MOUNTING HEIGHT OF 2.3M AND MIN 45M IN ADVANCE OF WORKS. EXACT LOCATION AGREED ON-SITE WITH LA ENGINEER AND ALL TEMPORARY SIGNS TO BE TAKEN DOWN 3 MONTHS AFTER COMPLETION OF WORKS.

ALL TRAFFIC SIGNALS EQUIPMENT INCLUDING SIGNAL POLES, SIGNAL HEADS, CONTROLLER, UPS, DUCTING, LOOPS ETC TO BE AGREED IN ADVANCE BY CONTRACTOR WITH THE LA PRIOR TO ORDERING IN ADDITION TO REFERENCE WITH SIGNALS SPECIFICATION. ALL COLUMNS, LANTERNS, AND COLUMN FINISHES TO ALSO BE AGREED WITH LOCAL AUTHORITY LIGHTING ENGINEER BY CONTRACTOR PRIOR TO ORDERING. CONTRACTOR TO MAKE ALLOWANCE FOR EQUIPMENT SUPPLY LEAD-INS IN ADVANCE OF THEIR ARRIVAL ON SITE AND PRE-START DISCUSSIONS HELD IMMEDIATELY FOLLOWING AWARD OF CONTRACT WITH SUPPLIERS AND THE LOCAL AUTHORITY TO RE-CONFIRM PREFERRED EQUIPMENT SPEC AND LEAD IN TIMESCALES.

PROPOSED NEW LOCATION FOR EXISTING 30MPH/50MPH SPEED LIMIT (APPROX. 70M NORTH OF EXISTING LOCATION).

NEW SIGNS/POSTS TO BE SET BACK FROM EDGE OF CARRIAGEWAY AND LOCATED IN EXISTING GRASS VERGES WITH MINIMUM MOUNTING HEIGHT OF 2.3M

'NEW PERMANENT TRAFFIC SIGNALS AHEAD WARNING SIGN TO TSM DIA 543 (S8) TO BE FIXED TO EXISTING POST/FOUNDATION AND REPLACE EXISTING SIDE ROAD AHEAD WARNING SIGN.

'NEW TRAFFIC SIGNALS AHEAD' TEMPORARY SIGN TO BE FIXED TO EXISTING SIGN POST IN GRASS VERGE MIN 45M IN ADVANCE OF NEW STOP LINE. EXACT LOCATION AGREED ON-SITE WITH LA ENGINEER AND ALL TEMPORARY SIGNS TO BE TAKEN DOWN 3 MONTHS AFTER COMPLETION OF WORKS.

ALL EXISTING JUNCTION WARNING SIGNS SHALL BE REPLACED WITH PERMANENT TRAFFIC SIGNALS AHEAD WARNING SIGNS.

'NEW PERMANENT TRAFFIC SIGNALS AHEAD WARNING SIGN TO TSM DIA 543 (S8) TO BE FIXED TO EXISTING POST/FOUNDATION AND REPLACE EXISTING GIVE WAY WARNING SIGN.

EXISTING LOCATION OF 30MPH/50MPH SPEED LIMIT SIGNS.

'NEW TRAFFIC SIGNALS AHEAD' TEMPORARY SIGN TO BE FIXED TO EXISTING LAMP COLUMN WITH A MIN MOUNTING HEIGHT OF 2.3M AND MIN 45M IN ADVANCE OF NEW STOP LINE. EXACT LOCATION AGREED ON-SITE WITH LA ENGINEER AND ALL TEMPORARY SIGNS TO BE TAKEN DOWN 3 MONTHS AFTER COMPLETION OF WORKS.

EXISTING 30MPH/50MPH SPEED LIMIT SIGNS/POSTS TO BE REMOVED FROM CURRENT LOCATION AND SUBJECT TO CONDITION AND CONFIRMATION WITH THE LA ENGINEER ON-SITE, RE-USED AT NEW LOCATION OR DISPOSED TO LICENSED TIP OFF-SITE

ALL EXISTING JUNCTION WARNING SIGNS SHALL BE REPLACED WITH PERMANENT TRAFFIC SIGNALS AHEAD WARNING SIGNS.

EXISTING DIRECTIONAL SIGNS TO REMAIN IN PLACE.

ALL EXISTING REDUNDANT ROAD MARKINGS SHALL BE REMOVED ENTIRELY FROM THE CARRIAGEWAY SURFACE PRIOR TO NEW ROAD MARKINGS WORKS ARE UNDERTAKEN. CONTRACTOR TO AGREE EXACT METHOD FOR MARKING REMOVAL WITH WREXHAM HIGHWAYS PRIOR TO COMMENCING THE WORKS (I.E. HYDROBLASTING METHOD OR SIMILAR LA APPROVED METHOD).

EXISTING ILLUMINATED GIVE WAY SIGN AND POST TO BE REMOVED AND DISPOSED TO LICENSED TIP OFF-SITE. ALL EXISTING ELECTRICAL CONNECTIONS TO BE REMOVED AND MADE SAFE TO THE SATISFACTION OF THE LA ENGINEER.

EXISTING DIRECTIONAL SIGNS TO REMAIN IN PLACE.

ALL EXISTING JUNCTION WARNING SIGNS SHALL BE REPLACED WITH PERMANENT TRAFFIC SIGNALS AHEAD WARNING SIGNS.

'NEW TRAFFIC SIGNALS AHEAD' TEMPORARY SIGN TO BE FIXED TO EXISTING LAMP COLUMN WITH A MIN MOUNTING HEIGHT OF 2.3M AND MIN 45M IN ADVANCE OF NEW STOP LINE. EXACT LOCATION AGREED ON-SITE WITH LA ENGINEER AND ALL TEMPORARY SIGNS TO BE TAKEN DOWN 3 MONTHS AFTER COMPLETION OF WORKS.

Z:\projects\3311 DD Main Road, Wrexham, Castle Green\CAD\Croft Drawings\S278 Main Road Wrexham Mastercopy (3311) REV C.dwg

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, FENCELINES, EARTHWORKS OR OTHERWISE REPORTED IMMEDIATELY TO THE ENGINEER PRIOR TO WORKS COMMENCING.

2. ALL HIGHWAY AND DRAINAGE WORKS TO BE 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 TOPOGRAPHICAL SURVEY INFORMATION PROVIDED BY OTHERS. 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 CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES 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 LOCATION OF ALL STATS PLANT BY HAND DUG TRIAL TRENCHES PRIOR TO COMMENCING ANY WORKS. 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 EQUIPMEMT AND ELECTRICAL FEEDS TO LIGHTING AND ANY 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 HIGH 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 FROM THE DESIGN, HOWEVER DUE TO THE VERY NATURE OF THIS TYPE OF WORK IT IS NOT POSSIBLE 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. GUARDING 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. DEALING WITH EXISTING 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. CONFIRMATION WILL BE REQUIRED THAT 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.

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 EQUIPMEMT 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 ENGINEER.

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 2.1M TO UNDERSIDE OF SIGN.

4. ALL NEW ROAD MARKINGS TO BE THEROMOPLASTIC UNLESS SPECIFIED OTHERWISE IN ACCORDANCE WITH BS EN 1871 WITH SURFACE TREATMENT CONFORMING TO CLAUSES 1212 OF THE SPECIFICATION AND ALL MARKINGS SHALL HAVE PERFORMANCE REQUIREMENTS IN ACCORDANCE WITH BS EN 1436.

5. ALL MARKINGS TO BE LAID IN ACCORDANCE WITH THE TRAFFIC SIGNS MANUAL CHAPTER 5 WITH A MINIMUM THICKNESS OF 3MM IN ACCORDANCE WITH THE SPECIFICATION. PRIMER TO BE APPLIED AS NECESSARY AND THE CARRIAGEWAY SURFACE FOR ALL NEW MARKINGS SHALL BE CLEAN, DRY AND FREE FROM DEBRIS/DUST.

6. ALL REDUNDANT MARKINGS TO BE REMOVED IN ACCORDANCE WITH SUB CLAUSE 1212.18 OF THE SHW AN A METHOD AGREED WITH THE LA ENGINEER TO BS EN 1871 AND BS EN 1824. CONTRACTOR/CLIENT TO MAKE ALLOWANCE FOR POTENTIAL REQUIREMENT OF RESURFACING IN AREAS WHERE LINING ARE REMOVED SUBJECT TO CONDITION OF SURFACING FOLLOWING THE WORKS.

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

8. ALL MANHOLE AND ACCESS COVERS WITHIN WHEELTRACKS TO HAVE HIGH FRICTION COVERS TO MATCH ADJACENT SURFACING PSV.

REV	DETAILS	DRAWN	CHECKED	DATE
B	REVISED IN LINE WITH WREXHAM COMMENTS	JC	MC	JUL 21
A	REVISED IN LINE WITH STAGE 1/2 RSA	JC	MC	MAY 21

CLIENT:
CASTLE GREEN

PROJECT:
MAIN ROAD, WREXHAM

DRAWING TITLE:
S278 SIGNS & MARKINGS

SCALES:
1:200/1:500 @ A0

DRAWN: JC
CHECKED: MC
DATE: MAR 21

Croft Transport Planning & Design
340 Deansgate
Manchester
M3 4LY
Email: info@croftts.co.uk
Tel: 0161 837 7380
Web:
www.eddisons.com/services/transport-planning

DRAWING NUMBER: 3311-D003
REVISION: B

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