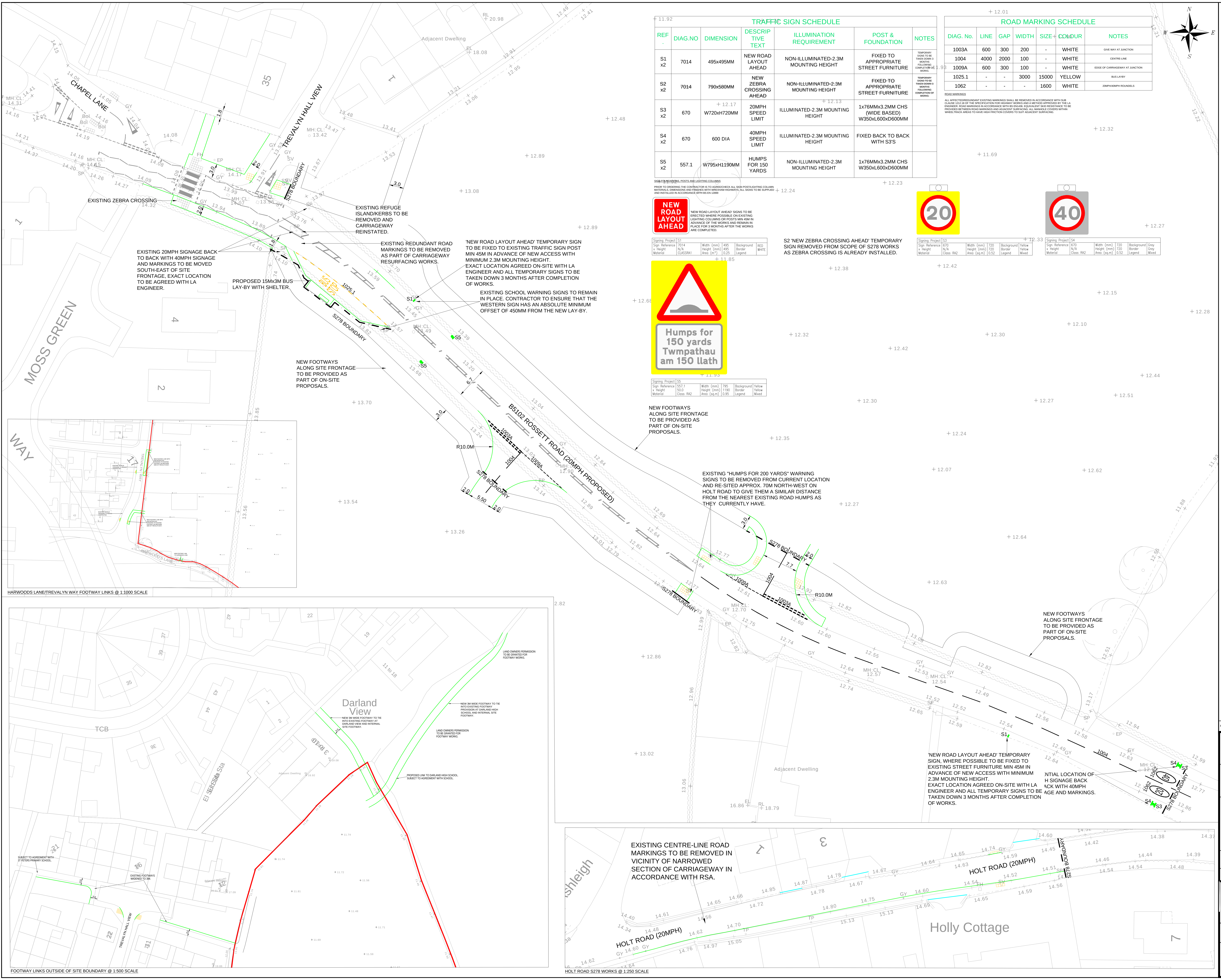

EXISTING ZEBRA CROSSING

EXISTING REFUGE ISLAND/KERBS TO BE REMOVED AND CARRIAGEWAY REINSTATED.

EXISTING REDUNDANT ROAD MARKINGS TO BE REMOVED AS PART OF CARRIAGEWAY RESURFACING WORKS.

'NEW ROAD LAYOUT AHEAD' TEMPORARY SIGN TO BE FIXED TO EXISTING TRAFFIC SIGN POST MIN 45M IN ADVANCE OF NEW ACCESS WITH MINIMUM 2.3M MOUNTING HEIGHT. EXACT LOCATION AGREED ON-SITE WITH LA ENGINEER AND ALL TEMPORARY SIGNS TO BE TAKEN DOWN 3 MONTHS AFTER COMPLETION OF WORKS.

EXISTING 20MPH SIGNAGE BACK TO BACK WITH 40MPH SIGNAGE AND MARKINGS TO BE MOVED SOUTH-EAST OF SITE FRONTAGE, EXACT LOCATION TO BE AGREED WITH LA ENGINEER.

PROPOSED 15Mx3M BUS LAY-BY WITH SHELTER.

EXISTING SCHOOL WARNING SIGNS TO REMAIN IN PLACE. CONTRACTOR TO ENSURE THAT THE WESTERN SIGN HAS AN ABSOLUTE MINIMUM OFFSET OF 450MM FROM THE NEW LAY-BY.

NEW FOOTWAYS ALONG SITE FRONTAGE TO BE PROVIDED AS PART OF ON-SITE PROPOSALS.

NEW FOOTWAYS ALONG SITE FRONTAGE TO BE PROVIDED AS PART OF ON-SITE PROPOSALS.

EXISTING "HUMPS FOR 200 YARDS" WARNING SIGNS TO BE REMOVED FROM CURRENT LOCATION AND RE-SITED APPROX. 70M NORTH-WEST ON HOLT ROAD TO GIVE THEM A SIMILAR DISTANCE FROM THE NEAREST EXISTING ROAD HUMPS AS THEY CURRENTLY HAVE.

NEW FOOTWAYS ALONG SITE FRONTAGE TO BE PROVIDED AS PART OF ON-SITE PROPOSALS.

'NEW ROAD LAYOUT AHEAD' TEMPORARY SIGN, WHERE POSSIBLE TO BE FIXED TO EXISTING STREET FURNITURE MIN 45M IN ADVANCE OF NEW ACCESS WITH MINIMUM 2.3M MOUNTING HEIGHT. EXACT LOCATION AGREED ON-SITE WITH LA ENGINEER AND ALL TEMPORARY SIGNS TO BE TAKEN DOWN 3 MONTHS AFTER COMPLETION OF WORKS.

NTIAL LOCATION OF H SIGNAGE BACK ACK WITH 40MPH AGE AND MARKINGS.

HARWOODS LANE/TREVALYN WAY FOOTWAY LINKS @ 1:1000 SCALE

LAND OWNERS PERMISSION TO BE GRANTED FOR FOOTWAY WORKS.

NEW 3M WIDE FOOTWAY TO TIE INTO EXISTING FOOTWAY PROVISION AT DARLAND HIGH SCHOOL AND INTERNAL SITE FOOTWAY.

NEW 3M WIDE FOOTWAY TO TIE INTO EXISTING FOOTWAY AT DARLAND VIEW AND INTERNAL SITE FOOTWAY.

LAND OWNERS PERMISSION TO BE GRANTED FOR FOOTWAY WORKS.

PROPOSED LINK TO DARLAND HIGH SCHOOL. SUBJECT TO AGREEMENT WITH SCHOOL.

SUBJECT TO AGREEMENT WITH ST PETERS PRIMARY SCHOOL.

EXISTING FOOTWAYS WIDENED TO 3M.

FOOTWAY LINKS OUTSIDE OF SITE BOUNDARY @ 1:500 SCALE

EXISTING CENTRE-LINE ROAD MARKINGS TO BE REMOVED IN VICINITY OF NARROWED SECTION OF CARRIAGEWAY IN ACCORDANCE WITH RSA.

HOLT ROAD S278 WORKS @ 1:250 SCALE

TRAFFIC SIGN SCHEDULE

REF.	DIAG.NO	DIMENSION	DESCRIPTIVE TEXT	ILLUMINATION REQUIREMENT	POST & FOUNDATION	NOTES
S1 x2	7014	495x495MM	NEW ROAD LAYOUT AHEAD	NON-ILLUMINATED-2.3M MOUNTING HEIGHT	FIXED TO APPROPRIATE STREET FURNITURE	TEMPORARY SIGNS TO BE TAKEN DOWN 3 MONTHS FOLLOWING COMPLETION OF WORKS.
~~S2 x2~~	~~7014~~	~~790x580MM~~	~~NEW ZEBRA CROSSING AHEAD~~	~~NON-ILLUMINATED-2.3M MOUNTING HEIGHT~~	~~FIXED TO APPROPRIATE STREET FURNITURE~~	~~TEMPORARY SIGNS TO BE TAKEN DOWN 3 MONTHS FOLLOWING COMPLETION OF WORKS.~~
S3 x2	670	W720xH720MM	20MPH SPEED LIMIT	ILLUMINATED-2.3M MOUNTING HEIGHT	1x76MMx3.2MM CHS (WIDE BASED) W350xL600xD600MM	
S4 x2	670	600 DIA	40MPH SPEED LIMIT	ILLUMINATED-2.3M MOUNTING HEIGHT	FIXED BACK TO BACK WITH S3'S	
S5 x2	557.1	W795xH1190MM	HUMPS FOR 150 YARDS	NON-ILLUMINATED-2.3M MOUNTING HEIGHT	1x76MMx3.2MM CHS W350xL600xD600MM	

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 WREXHAM HIGHWAYS. ALL SIGNS TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH BS EN 12899

'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 Material	7014 N/A CLASSRA1	Width (mm) Height (mm) Area (m^2)	495 495 0.25	Background Border Legend	RED WHITE

S2 'NEW ZEBRA CROSSING AHEAD' TEMPORARY SIGN REMOVED FROM SCOPE OF S278 WORKS AS ZEBRA CROSSING IS ALREADY INSTALLED.

Signing Project	S3				
Sign Reference x Height Material	670 N/A Class RA2	Width (mm) Height (mm) Area (sq.m)	720 720 0.52	Background Border Legend	Yellow Yellow Mixed

Signing Project	S4				
Sign Reference x Height Material	670 N/A Class RA2	Width (mm) Height (mm) Area (sq.m)	720 720 0.52	Background Border Legend	Grey Grey Mixed

Signing Project	S5				
Sign Reference x Height Material	557.1 50.0 Class RA2	Width (mm) Height (mm) Area (sq.m)	795 1190 0.95	Background Border Legend	Yellow Yellow Mixed

ROAD MARKING SCHEDULE

DIAG. No.	LINE	GAP	WIDTH	SIZE	COLOUR	NOTES
1003A	600	300	200	-	WHITE	GIVE WAY AT JUNCTION
1004	4000	2000	100	-	WHITE	CENTRE-LINE
1009A	600	300	100	-	WHITE	EDGE OF CARRIAGEWAY AT JUNCTION
1025.1	-	-	3000	15000	YELLOW	BUS LAYBY
1062	-	-	-	1600	WHITE	20MPH/40MPH ROUNDELS

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.

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.

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.

REV	DETAILS	DRAWN	CHECKED	DATE
C	REVISED IN LINE WITH STAGE 1/2 RSA	JC	MC	MAY 21
B	ADDITIONAL FOOTWAY LINKS OUTSIDE OF RED EDGE ADDED	JC	MC	APR 21
A	ADDITIONAL FOOTWAY LINKS OUTSIDE OF RED EDGE ADDED	JC	MC	MAR 21

CLIENT:
MACBRYDE HOMES

PROJECT:
ROSSETT ROAD,
WREXHAM

DRAWING TITLE:
S278 SIGNS & MARKINGS

SCALES: 1:250 @ A0

DRAWN: JC
CHECKED: MC
DATE: JAN 21

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DRAWING NUMBER: 3261-D003
REVISION: C

Eddisons Incorporating Croft

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