ROAD MARKING SCHEDULE

DIAG. No.	LINE	GAP	WIDTH	SIZE	COLOUR	NOTES
1003A	600	300	200	-	WHITE	GIVE WAY DASHED LINING
1004	4000	2000	100	-	WHITE	CENTRE LINE MARKING
1009A	600	300	100	-	WHITE	EDGE OF CARRIAGEWAY AT JUNCTION
1023A	-	-	1250	3750	WHITE	GIVE WAY TRIANGULAR
1048.5						BUS GATE

ROADMARKINGS

ALL AFFECTED EXISTING MARKINGS OUTSIDE AREA OF FULL DEPTH CARRIAGEWAY CONSTRUCTION OR ON AREA TO BE RESURFACED SHALL BE REMOVED IN ACCORDANCE WITH SUB CLAUSE 1212.18 OF THE SPECIFICATION FOR HIGHWAY WORKS AND A METHOD APPROVED BY THE L.A. 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.

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 ANY 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 LATEST EDITIONS OF THE BUILDING REGULATIONS AND THE LATEST EDITIONS OF THE 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. ALL NEW ROAD MARKINGS TO BE THERMOKPLASTIC UNLESS SPECIFIED OTHERWISE IN ACCORDANCE WITH BS EN 1871 WITH SURFACE TREATMENT CONFORMING TO CLAUSE 1212 OF THE SPECIFICATION AND ALL MARKINGS SHALL HAVE PERFORMANCE REQUIREMENTS IN ACCORDANCE WITH BS EN 1436.

2. ALL MARKINGS TO BE LAID IN ACCORDANCE WITH THE TRAFFIC SIGNS GENERAL 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

3. ALL REUNDANT MARKINGS TO BE REMOVED IN ACCORDANCE WITH SUB CLAUSE 1212.18 OF THE SHW AN A METHOD AGREED WITH THE LA ENGINEER TO BE 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.

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

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

TRAFFIC SIGN SCHEDULE

REF.	DIAG.NO	DIMENSION	DESCRIPTIVE TEXT	ILLUMINATION REQUIREMENT	POST & FOUNDATION	NOTES
S1	7014	W495xH495	NEW ROAD LAYOUT AHEAD	NON-ILLUMINATED-2.3M MOUNTING HEIGHT	1X76MMX3.2MM CHS W350XL600XD6000MM OR FIXED TO EXISTINGNEW LAMP COLUMN MIN 450 IN ADVANCE OF WORKS.	SIGNS TO BE REMOVED 3 MONTHS AFTER WORKS COMPLETION IS COMPLETED. ACTUAL POSITION OF SIGNS TO BE AGREED WITH LCC HIGHWAYS ON SITE. WHERE POSSIBLE SIGNS TO BE ERECTED ON EXISTING LAMP COLUMNS
S2	612	600 DIA	NO RIGHT TURN	ILLUMINATED-FIXED ABOVE S3	1X76MMX3.2MM CHS (WIDE BASED) W350XL600XD6000MM	
S3	954.6	W420xH295	EXCEPT BUSES AND CYCLES	FIXED BENEATH S2-2.3M MOUNTING HEIGHT	FIXED BENEATH S2	
S4	613	600 DIA	NO LEFT TURN	ILLUMINATED-FIXED ABOVE S5	1X76MMX3.2MM CHS (WIDE BASED) W350XL600XD6000MM	
S5	954.6	W420xH295	EXCEPT BUSES AND CYCLES	FIXED BENEATH S4-2.3M MOUNTING HEIGHT	FIXED BENEATH S4	
S6	956	450 DIA	SHARED FOOTWAY	NON-ILLUMINATED-2.3M MOUNTING HEIGHT	1X76MMX3.2MM CHS W350XL600XD6000MM	
S7	965	W495xH540	END OF ROUTE	NON-ILLUMINATED-2.3M MOUNTING HEIGHT	FIXED BACK TO BACK WITH S6	
S8	-	W860xH1695	BUS GATE	NON-ILLUMINATED-2.3M MOUNTING HEIGHT	2X76MMX3.2MM CHS W350XL600XD6000MM	

SIGN FOUNDATIONS, POSTS AND LIGHTING COLUMNS

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

Signing Project	S1	X2				
Sign Reference	7014	Width (mm)	495	Background	Red	
x Height	60.0	Height (mm)	495	Border	White	
Material	Class RA1	Area (m^2)	0.25	Legend	White	

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

Signing Project	S2				
Sign Reference	612	Width (mm)	600	Background	White
x Height	N/A	Height (mm)	600	Border	Red
Material	Class RA2	Area (m^2)	0.28	Legend	Black

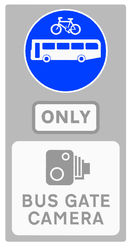
Signing Project	S3				
Sign Reference	954.6	Width (mm)	420	Background	White
x Height	62.5	Height (mm)	295	Border	Black
Material	Class RA2	Area (m^2)	0.12	Legend	Black

Signing Project	S4				
Sign Reference	613	Width (mm)	600	Background	White
x Height	N/A	Height (mm)	600	Border	Red
Material	Class RA2	Area (m^2)	0.28	Legend	Black

Signing Project	S5				
Sign Reference	954.6	Width (mm)	420	Background	White
x Height	62.5	Height (mm)	295	Border	Black
Material	Class RA2	Area (m^2)	0.12	Legend	Black

Signing Project	S6				
Sign Reference	956	Width (mm)	450	Background	Blue
x Height	N/A	Height (mm)	450	Border	White
Material	Class R3B	Area (m^2)	0.16	Legend	White

Signing Project	S7				
Sign Reference	965	Width (mm)	495	Background	Blue
x Height	50.0	Height (mm)	540	Border	White
Material	Class R3B	Area (m^2)	0.27	Legend	White



Signing Project	S8				
Sign Reference	-	Width (mm)	860	Background	Grey
x Height	62.5	Height (mm)	1695	Border	
Material	Class RA2	Area (m^2)	1.46	Legend	

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 LATEST EDITIONS OF THE SPECIFICATION FOR HIGHWAY WORKS AND DESIGN GUIDANCE NOTES, 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 DIMENSIONS, 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 CONFORM 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., WRC 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 PIPES AND CABLES WITHIN THE AREA OF THE WORKS IS NOT ALWAYS KNOWN AT THE TIME OF PREPARING THE 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 SHOULD BE MADE. ANY PROTECTION MEASURES (CONCRETE SURROUND OR SIMILAR STATUTORY APPROVED METHODS) 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 POSTS/LIGHTING COLUMN MATERIALS AND FINISHES WITH LANCASHIRE COUNTY COUNCIL. ALL SIGNS TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH BS EN 12899. 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 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

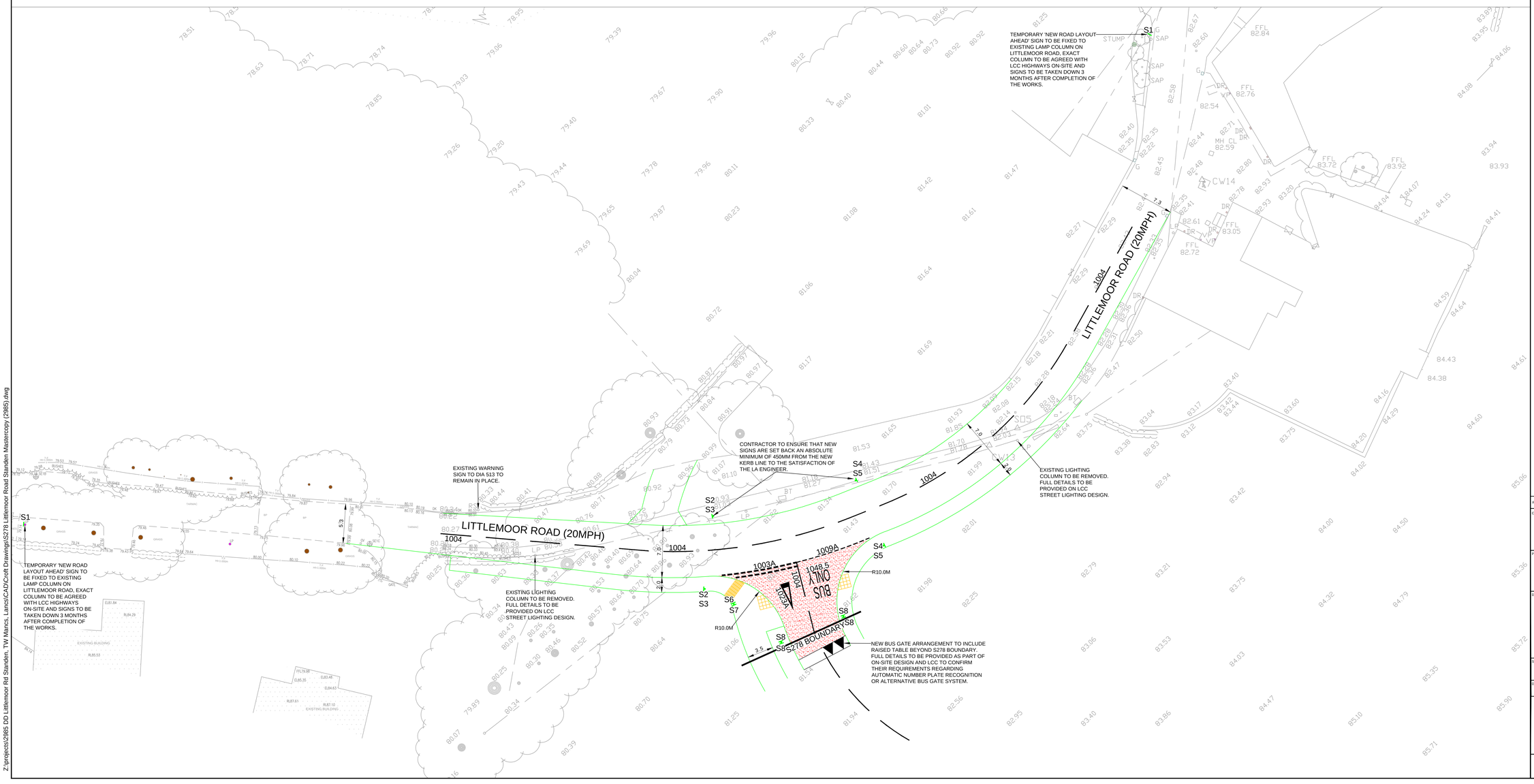
IN LINE WITH THE ABOVE REGULATIONS WE ARE OBLIGED TO INFORM THE CLIENT OF THE RISKS THAT MAY BE ENCOUNTERED IN THE CONSTRUCTION OF THESE WORKS. WHEREVER POSSIBLE RISKS HAVE BEEN ELIMINATED FROM THE DESIGN, HOWEVER DUE TO THE VERY NATURE OF THIS TYPE OF WORK IT IS NOT POSSIBLE TO REMOVE ALL THE RISKS FROM THE DESIGN. WE WOULD ALSO RESPECTFULLY REMIND THE CLIENT OF HIS OBLIGATIONS TO ENSURE THE CONTRACTOR WHO IS ASSIGNED TO THE PROJECT HAS SUFFICIENT RESOURCES TO ENSURE COMPLIANCE WITH POLICY AND 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. DEALING WITH UNEXPLODED BOMBS.
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. ENSURE ALL PERSONNEL HAVE ADEQUATE TRAINING/CERTIFICATION 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:
a) HAVE BEEN ADEQUATELY TRAINED 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.

RED COLOURED SURFACE TREATMENT MIN PSV 65+ WITH BBA AND HAPAS APPROVAL TEXTUREFLEX OR SIMILAR APPROVED TO CLAUSE 924.
CONTRACTOR TO CONFIRM MATERIAL WITH LA ENGINEER PRIOR TO LAYING ANY MATERIALS.



REV	DETAILS	DRAWN	CHECKED	DATE

CLIENT:
TAYLOR WIMPEY

PROJECT:
LITTLEMOOR ROAD, STANDEN, CLITHEROE

DRAWING TITLE:
S278 SIGNS & MARKINGS

SCALES:
1:200 @ A0

DRAWN:	CHECKED:	DATE:
JC	MC	MAR 20

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DRAWING NUMBER: 2985-D004
REVISION: .

CROFT

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