



**ROAD TRAFFIC REGULATION ACT 1984 - SECTIONS 64 AND 65
AUTHORISATION OF TRAFFIC SIGNS AND SPECIAL DIRECTIONS**

The Secretary of State for Transport, in exercise of his powers under Sections 64 and 65 of the Road Traffic Regulation Act 1984, and of all other powers enabling him in that behalf, for the purpose of informing road users of the conditions of a bus lane on the A580 in Bolton, hereby:-

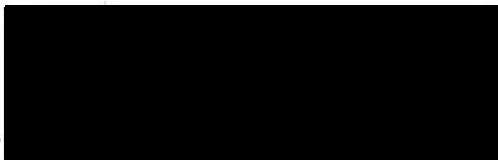
1. authorises the erection at or within 5 metres of the site referenced TS7 24 and within the green circle on Sheet 7 of 29 in the attached set of plans numbered GT50/009/0012-1 of a traffic sign (hereinafter referred to as "the authorised sign") conforming as to size, colour and character with that shown on the attached drawing numbered GT50/009/0012-2; and
2. directs that the x-heights of the signs to diagrams 958, 959A and 964 in Schedule 5 to the Traffic Signs Regulations (Part I of SI 2002/3113 "the 2002 Regulations") shown at the locations circled in red in the said set of plans shall be varied in accordance with the Schedule of dimensions shown in the said set of plans; and
3. directs that it is a condition of this authorisation that the authorised sign may be placed only to indicate the effect of a corresponding Traffic Regulation Order; and
4. directs, without prejudice to any statutory provision to the like effect, that it is a condition of this authorisation that the erection of the authorised sign at or near the said sites shall continue to have effect only until such day as may be appointed by one month's notice given by the Secretary of State in writing to the traffic authority for the removal or alteration of the authorised sign and on that day the said authorisation shall, without prejudice to the giving of any further authorisation or direction, cease to have effect.



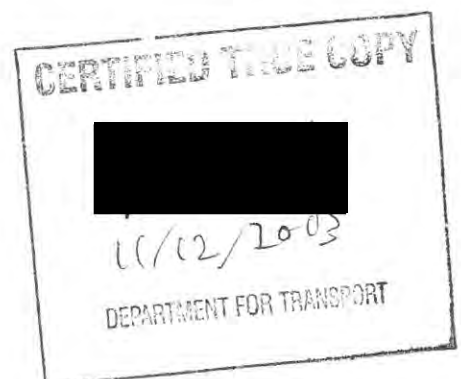
The provisions of Regulations 12, 18 and 19 of the 2002 Regulations shall apply to the authorised sign in the same manner as they apply to the sign to diagram 2601.2 in Schedule 7 to the 2002 Regulations.

Dated 9 December 2013

Signed by authority of the Secretary of State



...
A Delegated Official of the Department of Transport



Drawing no.	Prescribed signs that require special direction			Non-prescribed signs that require authorisation
	958v	959v	964	2601.2v (non-prescribed)
UV 012735 1200 TS 06			TS6 04	TS7 24
UV 012735 1200 TS 07		TS7 25 & TS7 27	TS7 28	
UV 012735 1200 TS 08		TS8 01		
UV 012735 1200 TS 09		TS9 01	TS9 02	
UV 012735 1200 TS 10				
UV 012735 1200 TS 11	TS11 10	TS11 01 & TS11 06		
UV 012735 1200 TS 12			TS 12 03	
UV 012735 1200 TS 13	TS13 02	TS13 03, TS 13 05, TS13 07, TS 13 10	TS13 11	
UV 012735 1200 TS 14		TS 14 02, TS 14 04, TS 14 05 & TS 14 08	TS 14 03	
UV 012735 1200 TS 15	TS15 01, TS 15 18	TS15 03, TS15 07, TS15 12	TS15 15	
UV 012735 1200 TS 16	TS 16 02 & TS16 05	TS16 03 & TS16 08	TS16 01	
UV 012735 1200 TS 17		TS17 02 & TS17 03	TS17 04	
UV 012735 1200 TS 18	TS18 16	TS18 03 & TS18 10	TS18 17	
UV 012735 1200 TS 19	TS19 08	TS19 01 & TS19 10	TS19 02 & TS 19 03	
UV 012735 1200 TS 20		TS20 01 & TS20 02		
UV 012735 1200 TS 21	TS21 18			



Traffic Sign Schedule									
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination
TS6 01	543		900	N/A	600 MIN	2100	76.1x3.2 CHS	525x25x690	YES - TYPE A LED
TS6 02	818.2		800x585	60	600 MIN	2100	76.1x3.2 CHS	525x25x690	NO
TS6 03	543		900	N/A	600 MIN	2100	76.1x3.2 CHS	525x25x690	YES - TYPE A LED
TS6 04	864		740x430	75	600 MIN	2100	76.1x3.2 CHS	525x25x815	NO
TS6 05	877v		1200mm high	60	600 MIN	2100	76.1x3.2 CHS	525x25x690	NO

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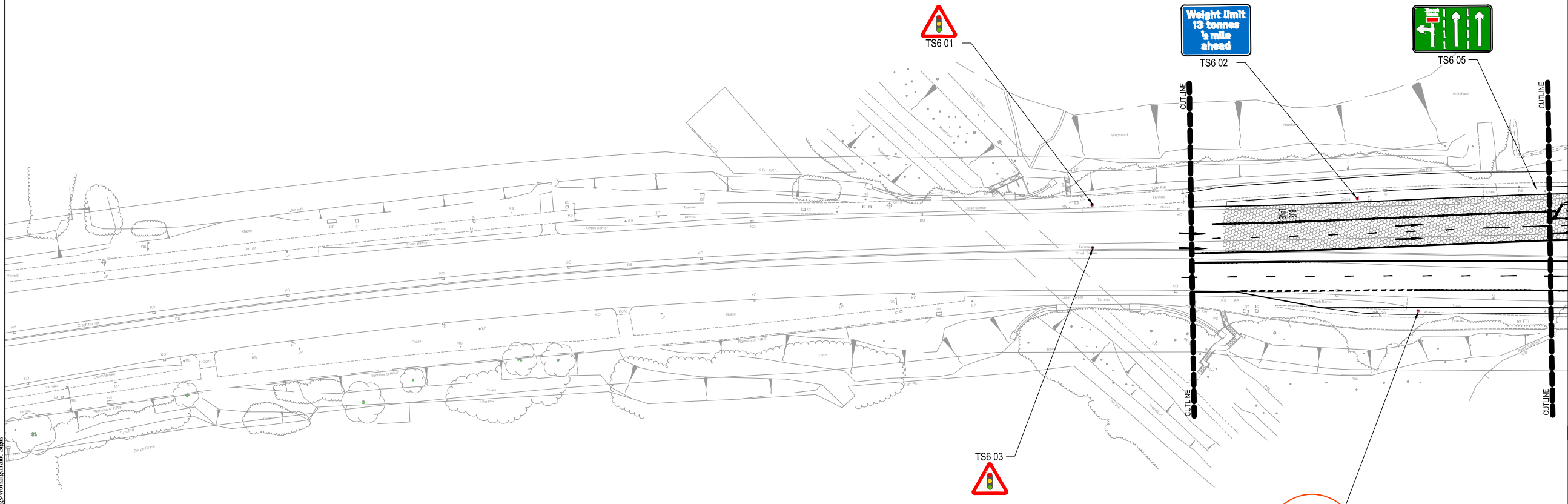
HEALTH AND SAFETY INFORMATION

Any hazards that would not be foreseen by a reasonably competent contractor have been identified by the designer below:

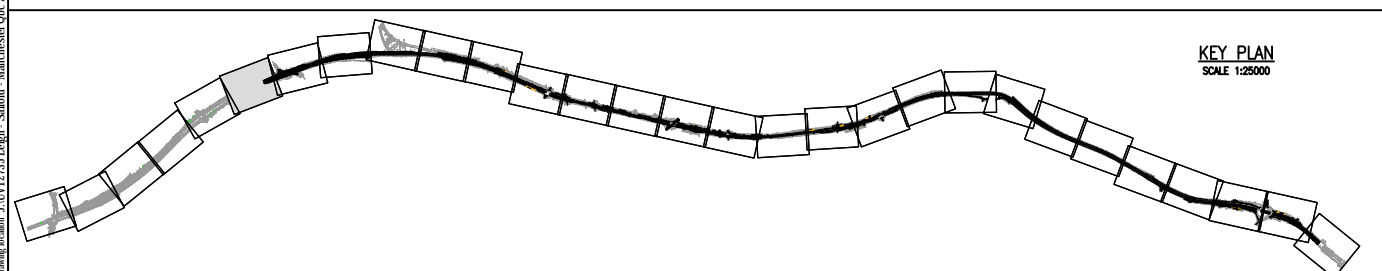
- WORKING NEAR LIVE TRAFFIC
- EXCAVATING NEAR LIVE SURFACES
- LIVE OVERHEAD LINES

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE TRAFFIC SIGNS AND GENERAL DIRECTIONS 2002.
2. ALL SIGN LOCATIONS TO BE AGREED WITH URBAN VISION CLERK OF WORKS ON SITE BEFORE INSTALLATION.
3. REFER TO DRAWINGS UV 012735 1300 LI 06 TO 35, FOR ILLUMINATED SIGNAGE CABLING DETAILS.
4. ILLUMINATION TYPE A REFERS TO: SIGNATURE EXLITE DELTA (IP 65) HIGH FLUX LED OPTION EL-D-LED LIGHTING UNIT OR SIMILAR APPROVED.
4. ILLUMINATION TYPE D REFERS TO: SIGNATURE MAJORLITE T218 (IP 56) ML-T218 LIGHTING UNIT OR SIMILAR APPROVED.
5. ALL BACK TO BACK SIGNS WHICH ARE SHOWN TO BE ILLUMINATED ARE TO HAVE A DOUBLE BRACKET WHICH ALLOWS FOR ILLUMINATION ON BOTH SIGN PLATES.
6. MOUNTING HEIGHT OF ALL SIGNS TO BE 2.4 IN SHARED CYCLE FOOTWAY AREAS, 2.1m IN PEDESTRIAN AREAS AND BETWEEN 0.9m AND 1.5m AS APPROPRIATE IN ALL OTHER AREAS TO BE AGREED BY THE ENGINEER.
7. DRAWING TO BE READ IN CONJUNCTION WITH STANDARD DETAIL STD1200 01.
8. MINIMUM CLEARANCE FROM KERB FACE TO EDGE OF SIGN FACE FOR ALL SIGNS TO BE 600mm.
9. ALL SIGNS TO BE FABRICATED USING CLASS REF 2 (12899-1:2001) MATERIAL OR SIMILAR APPROVED TO BE AGREED WITH THE ENGINEER.
10. ALL SIGN FOUNDATIONS SHALL BE ST4 CONCRETE.
11. THERE SHALL BE 200mm OF EARTH COVER FROM THE TOP OF THE SIGN FOUNDATION TO THE FINISHED GROUND LEVEL.
12. WHERE SIGNS ARE BEING INSTALLED IN AREAS WHERE NO PAVING WORKS ARE BEING UNDERTAKEN THE FOOTWAY IS TO BE REINSTATED WITH THE FOLLOWING:
20mm AC6 DENSE SURF 100/150 (EXCLUDING LIMESTONE)
60mm AC20 DENSE BFN 100/150
REGULATING TYPE 1 SUB BASE (120mm)



Drawing location: J:\U12735\Leigh - Salford - JDP\Eng\Design\CS OM Clough to Frederick\02 Drawings\Working\Traffic Signs



CRU	ISSUED FOR APPROVAL	06.2013	DJW	JB	CH
rev	description	date	drawn	chk	app



Urban Vis on Partnership Ltd, Emerson House, Albert Street, Eccles, Manchester, M30 0TE. T 0161 779 800

client
TIGM

project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 6 OF 29

approval status	date
○ Feasibility / Sketch	19/11/2009
○ Design	drawn F.J.T
○ Tender	checked M.K
○ Construction	approved C.H
○ As Built	

project ref: **UVO12735** scale: @ A1
drawing number: **UV 012735 1200 TS 06** 1:500
revision: **C01**



Traffic Sign Schedule									
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination
BL7 01	PLAIN		N/A	N/A	600 MN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL7 02	610		N/A	N/A	600 MN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL7 03	610		N/A	N/A	600 MN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL7 04	610		N/A	N/A	600 MN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL7 05	PLAIN		N/A	N/A	600 MN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL7 06	PLAIN		N/A	N/A	600 MN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL7 07	PLAIN		N/A	N/A	600 MN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
TS7 01	956		450	N/A	600 MN	2400	76.1x3.2 CHS	525x525x850	NO
TS7 02	TAKE FROM STORE		735x225	60	600 MN	ABOVE TS7 03	SAME AS TS7 03	SAME AS TS7 03	NO
TS7 03	TAKE FROM STORE				600 MN	2100	2 No. 76.1x3.2 CHS	2 No. 525x525x820	NO
TS7 04	956		450	N/A	600 MN	2400	76.1x3.2 CHS	525x525x850	NO
TS7 05	956		450	N/A	600 MN	2400	76.1x3.2 CHS	525x525x850	NO
TS7 06	956		450	N/A	600 MN	2400	SAME AS TS7 05	SAME AS TS7 05	NO
TS7 07	956		450	N/A	600 MN	2400	76.1x3.2 CHS	525x525x850	NO
TS7 08	670-50		900	N/A	600 MN	2400	76.1x3.2 CHS	525x525x850	YES - TYPE A LED
TS7 09	606		900	N/A	600 MN	ABOVE TS7 16	SAME AS TS7 16	SAME AS TS7 16	YES - TYPE A LED
TS7 10	606		900	N/A	600 MN	ABOVE TS7 17	SAME AS TS7 17	SAME AS TS7 17	YES - TYPE A LED
TS7 11	616		900	N/A	600 MN	2100	76.1x3.2 CHS	525x525x850	YES - TYPE A LED
TS7 12	614		900	N/A	600 MN	2100	76.1x3.2 CHS	525x525x850	YES - TYPE A LED
TS7 13	616		900	N/A	600 MN	2100	76.1x3.2 CHS	525x525x850	YES - TYPE A LED
TS7 14	956		450	N/A	600 MN	2400	SAME AS TS7 01	SAME AS TS7 01	NO
TS7 15	450		990x450	N/A	600 MN	2400	SAME AS TS7 07	SAME AS TS7 07	NO
TS7 16	956		450	N/A	600 MN	2400	SAME AS TS7 04	SAME AS TS7 04	NO
TS7 17	606		1360x575	62.5	600 MN	2100	PASSIVELY SAFE POST	CONTRACTOR/SUPPLIER DESIGN	YES - BY TS7 09
TS7 18	606		1360x575	62.5	600 MN	2100	PASSIVELY SAFE POST	CONTRACTOR/SUPPLIER DESIGN	YES - BY TS7 10
TS7 19	922.1		50	50	600 MN	2400	76.1x3.2 CHS	525x525x850	NO
TS7 20	974		291x167	20	600 MN	2400	76.1x3.2 CHS	525x525x755	NO
TS7 21	974		291x167	20	600 MN	2400	76.1x3.2 CHS	525x525x755	NO
TS7 22	TAKE FROM STORE		735x225	60	600 MN	BACK TO BACK WITH TS7 02	SAME AS TS7 03	SAME AS TS7 03	NO
TS7 23	TAKE FROM STORE				600 MN	BACK TO BACK WITH TS7 03	SAME AS TS7 03	SAME AS TS7 03	NO
TS7 24	2601.2 v		500x300	60	600 MN	2100	76.1x3.2 CHS	525x525x880	NO
TS7 25	959v		1155x830	75	600 MN	2100	76.1x3.2 CHS	525x525x880	NO
TS7 27	959v		1155x830	75	600 MN	2100	76.1x3.2 CHS	525x525x880	NO
TS7 28	964		740x430	75	600 MN	2100	76.1x3.2 CHS	525x525x815	NO

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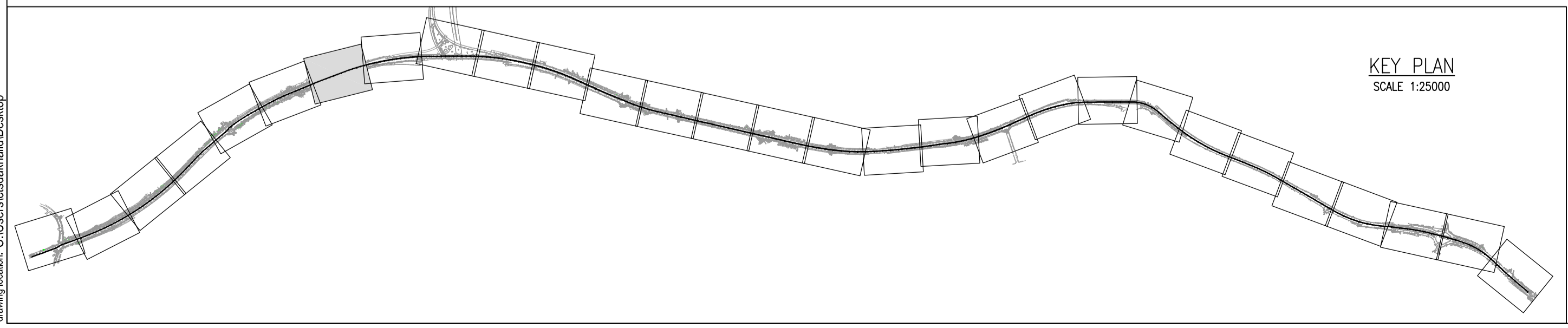
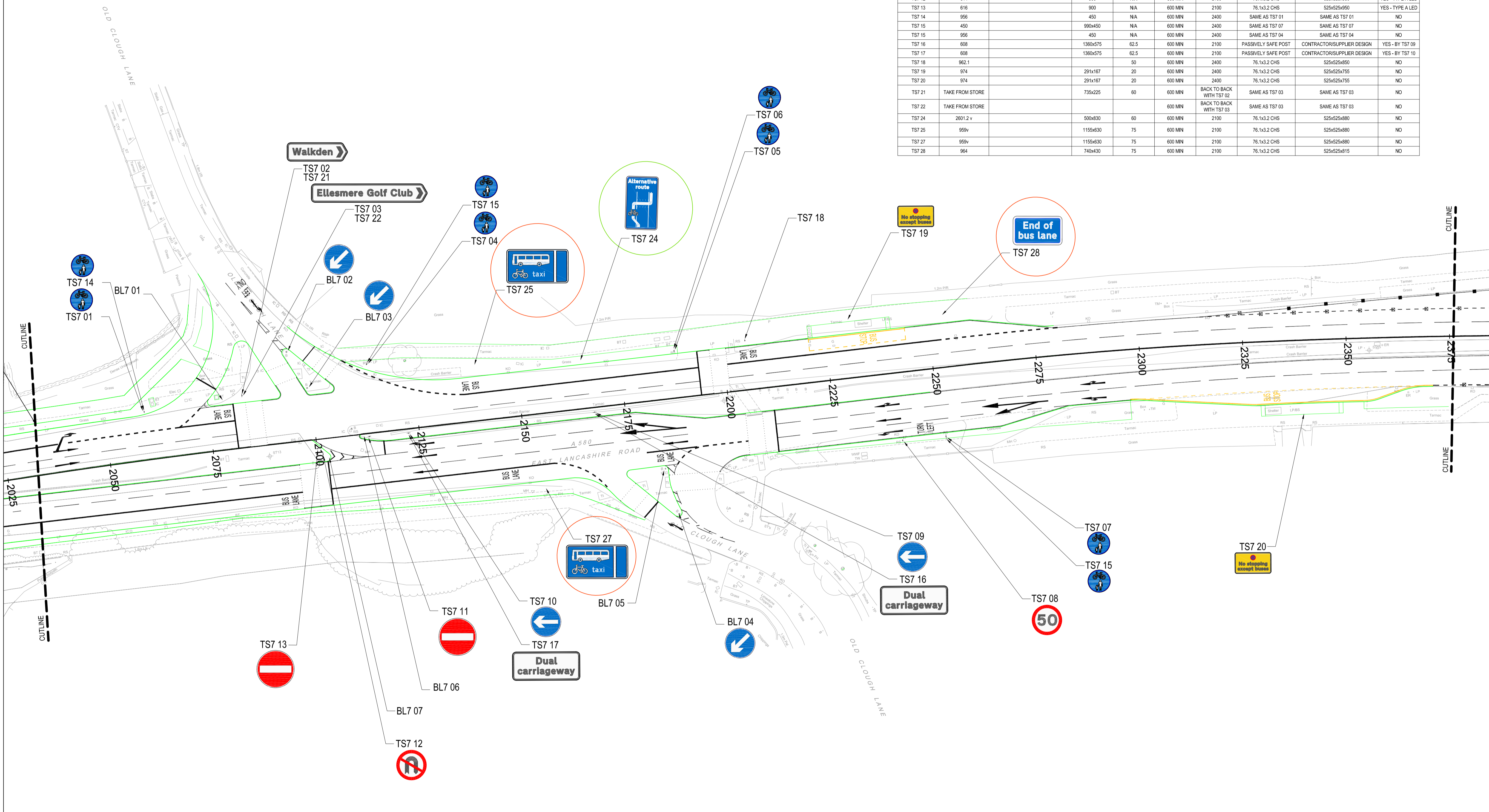
HEALTH AND SAFETY INFORMATION

Any hazards, that would not be foreseen by a reasonably competent contractor, have been identified by the designer below:

- WORKING NEAR LIVE TRAFFIC
- EXCAVATING NEAR LIVE SURFACES
- LIVE OVERHEAD LINES

NOTES

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2. ALL SIGN LOCATIONS TO BE AGREED WITH URBAN VISION CLERK OF WORKS ON SITE BEFORE INSTALLATION.
3. REFER TO DRAWINGS UV 012735 1300 LI 06 TO 35, FOR ILLUMINATED SIGNAGE CABLING DETAILS.
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rev	description	date	drawn	chk	app
C01	ISSUED FOR APPROVAL	02.12.2013	D.J.W	J.B	C.H



Urban Vision Partnership Ltd, Emerson House, Albert Street, Eccles, Manchester, M30 0TE. T 0161 779 4900

client
TGM

project
A580 BUS PRIORITY SCHEME

drawing
TRAFFIC SIGNS - SHEET 7 OF 29

approval status	date
<input type="radio"/> Feasibility / Sketch	02/12/2013
<input type="radio"/> Design	F.J.T
<input checked="" type="radio"/> Tender	M.K
<input type="radio"/> Construction	approved
<input type="radio"/> As Built	C.H

project ref: UVO12735 scale @ A1
drawing number: UV 012735 1200 TS 07 1:500
revision: C02



Traffic Sign Schedule										
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination	
TS8 01	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO	

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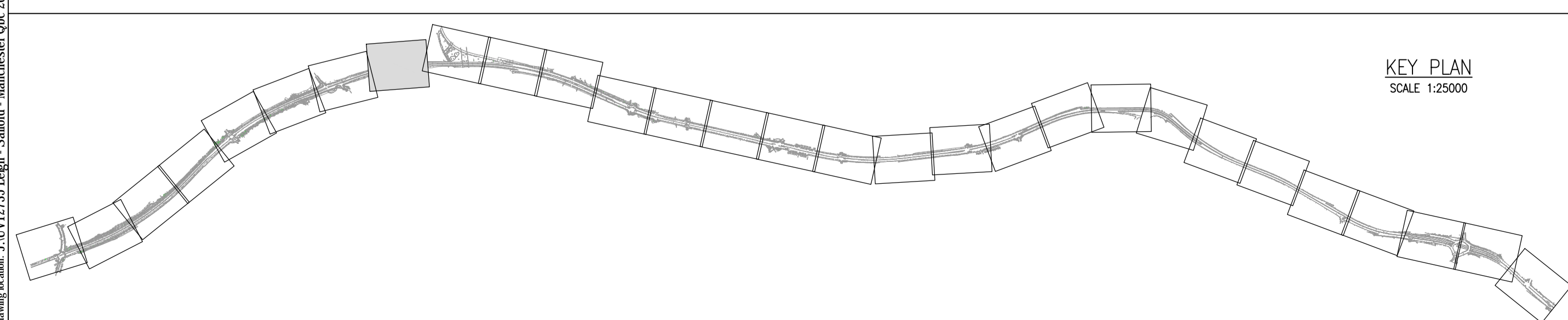
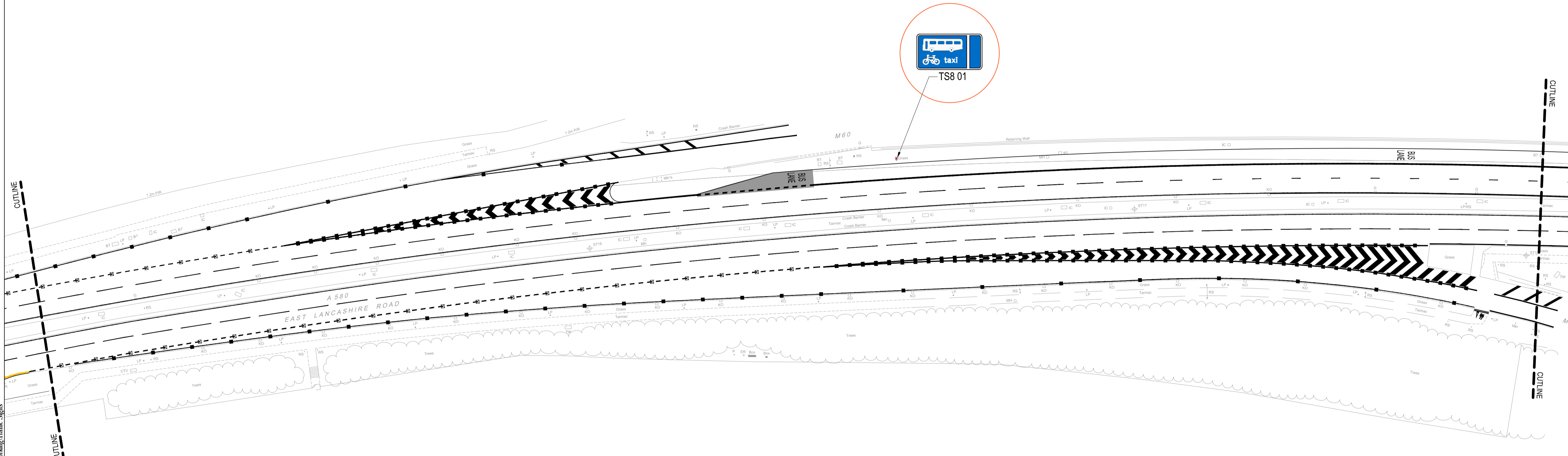
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20mm AC6 DENSE SURF 100/150 (EXCLUDING LIMESTONE)
60mm AC20 DENSE BBN 100/150
REGULATING TYPE 1 SUB BASE (120mm)



COI	ISSUED FOR APPROVAL	19.06.2013	D.J.W	J.B	C.H
rev	description	date	drawn	chk	app



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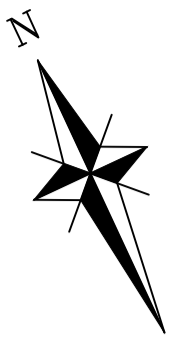
client
TRGM

project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 8 OF 29

approval status	date
<input type="radio"/> Feasibility / Sketch	19/11/2009
<input type="radio"/> Design	F.J.T
<input type="radio"/> Tender	checked M.K
<input checked="" type="radio"/> Construction	approved C.H
<input type="radio"/> As Built	

project ref. **UV012735** scale 1:500
drawing number **UV 012735 1200 TS 08** revision **C01**



Traffic Sign Schedule										
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination	
TS9 01	959v		1155 x 630mm	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO	
TS9 02	964		740 x 430	75	600 MIN	2100	76.1x3.2 CHS	525x525x815	NO	

KEY PLAN
SCALE 1:25000

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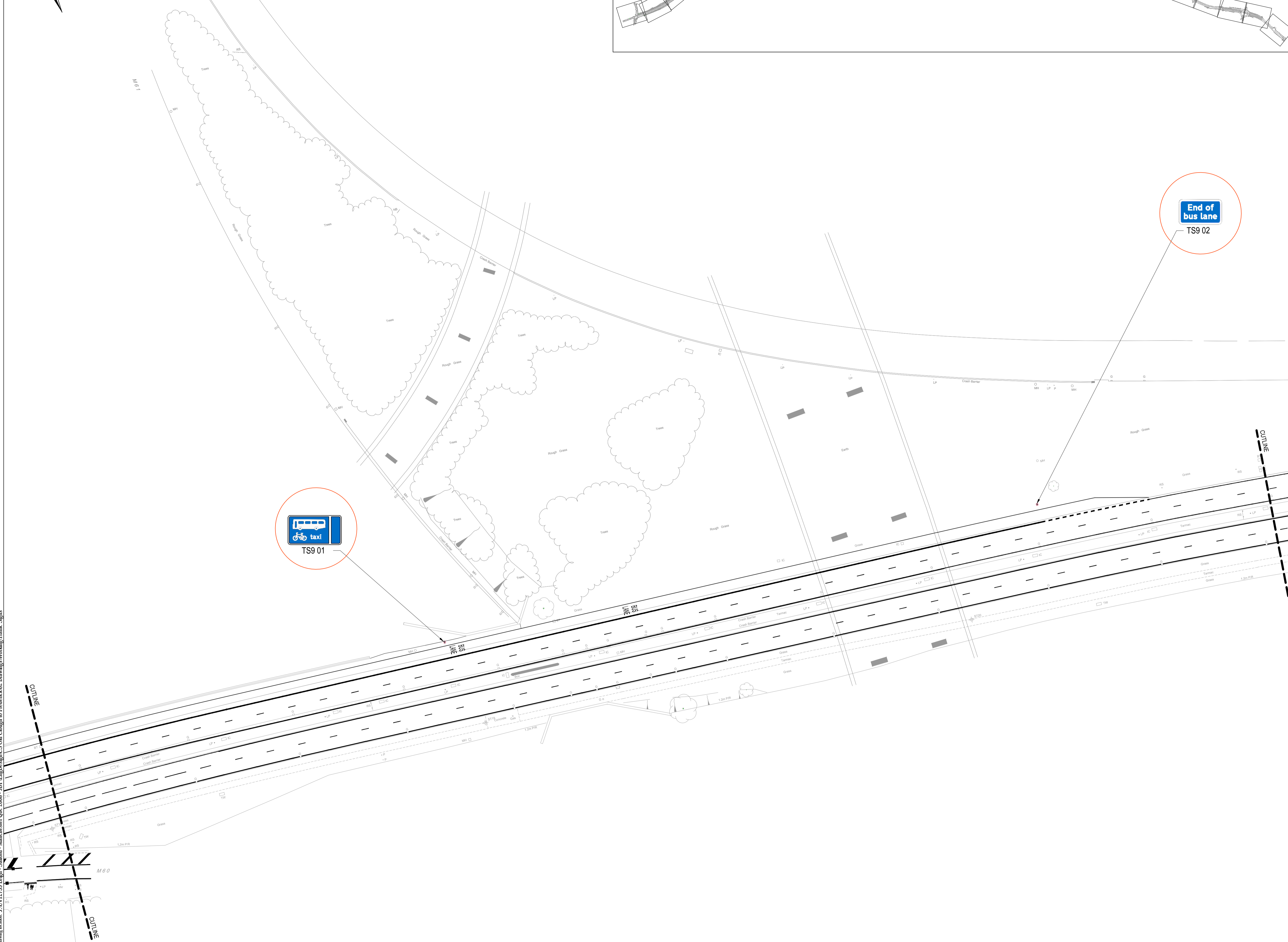
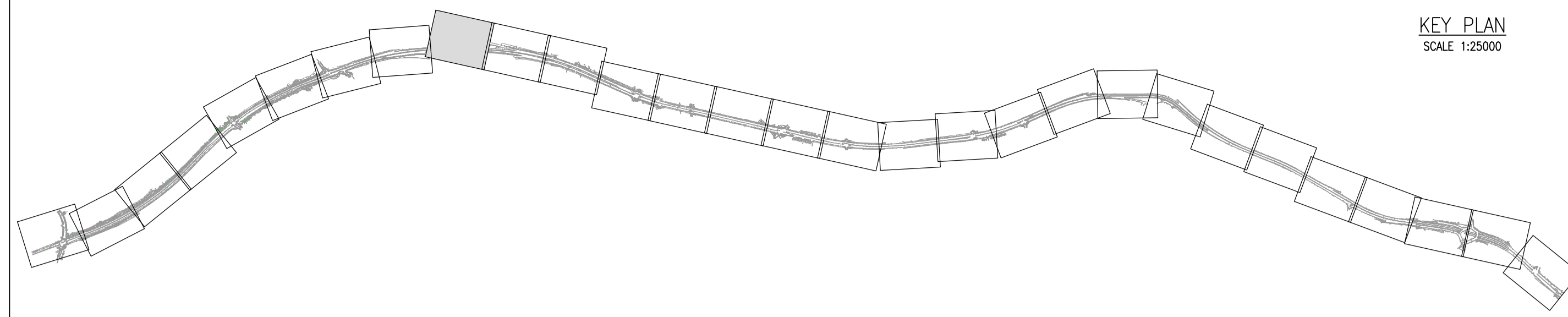
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60mm AC20 DENSE BBN 100/150
REGULATING TYPE 1 SUB BASE (120mm)



COI	ISSUED FOR APPROVAL	18.06.2013	D.J.W	J.B	C.H
rev	description	date	drawn	chk	app



Urban Vision Partnership Ltd, Emerson House, Albert Street, Eccles, Manchester, M30 0TE. T 0161 779 4800

client
TRGM

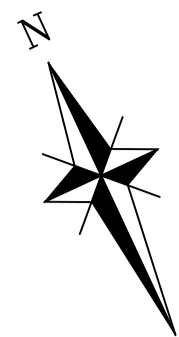
project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 9 OF 29

approval status	date
<input type="radio"/> Feasibility / Sketch	01/10/2009
<input type="radio"/> Design	F.J.T
<input type="radio"/> Tender	checked M.K
<input checked="" type="radio"/> Construction	approved C.H
<input type="radio"/> As Built	

project ref. UV012735 scale: 1:500
drawing number UV 012735 1200 TS 09 revision C01

drawing location: F:\UV\12735\Leigh - Salford - Manchester Qtr 2008 - JDP\Eng\Design\CS DM Clough to Frederick\02 Drainages\Workage\Traffic_Signs



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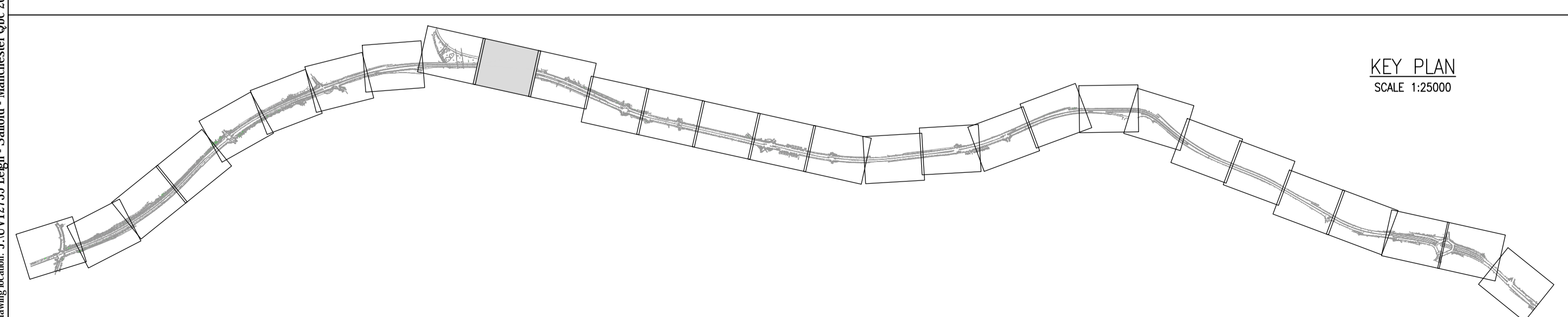
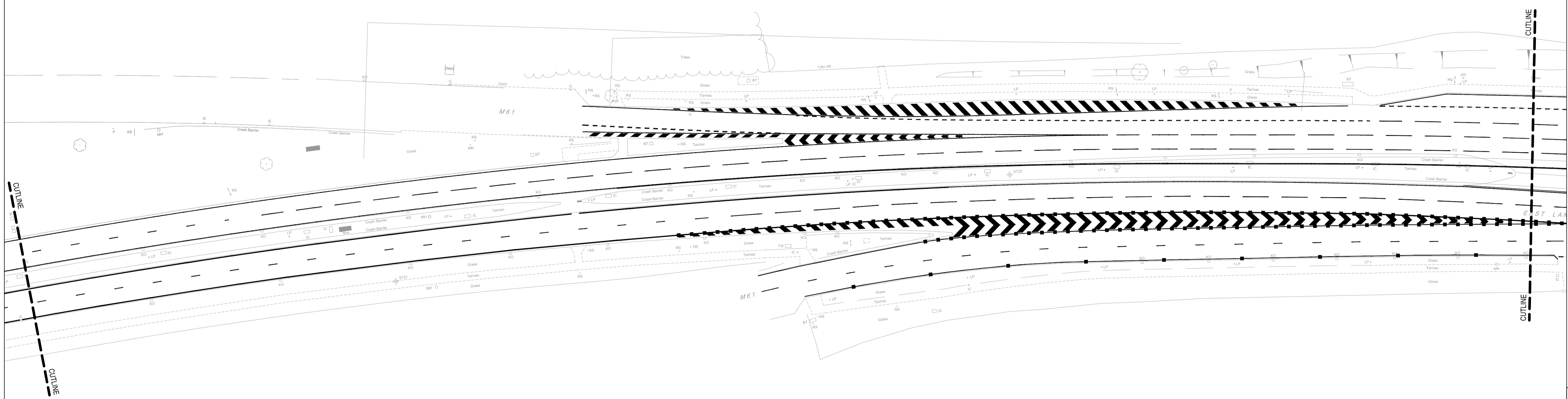
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3. REFER TO DRAWINGS UV 012735 1300 LJ 06 TO 35. FOR ILLUMINATED SIGNAGE CABLING DETAILS.
4. ILLUMINATION TYPE A REFERS TO: SIGNATURE EXLITE DELTA (IP 65) HIGH FLUX LED OPTION EL-D-LED LIGHTING UNIT OR SIMILAR APPROVED.
4. ILLUMINATION TYPE D REFERS TO: SIGNATURE MAJORLITE T218 (IP 56) ML-T218 LIGHTING UNIT OR SIMILAR APPROVED.
5. ALL BACK TO BACK SIGNS WHICH ARE SHOWN TO BE ILLUMINATED ARE TO HAVE A DOUBLE BRACKET WHICH ALLOWS FOR ILLUMINATION ON BOTH SIGN PLATES.
6. MOUNTING HEIGHT OF ALL SIGNS TO BE 2.4 IN SHARED CYCLE FOOTWAY AREAS, 2.1m IN PEDESTRIAN AREAS AND BETWEEN 0.9m AND 1.5m AS APPROPRIATE IN ALL OTHER AREAS TO BE AGREED BY THE ENGINEER.
7. DRAWING TO BE READ IN CONJUNCTION WITH STANDARD DETAIL STD1200-01.
8. MINIMUM CLEARANCE FROM KERB FACE TO EDGE OF SIGN FACE FOR ALL SIGNS TO BE 600mm.
9. ALL SIGNS TO BE FABRICATED USING CLASS REF 2 (12899-1:2001) MATERIAL OR SIMILAR APPROVED TO BE AGREED WITH THE ENGINEER.
10. ALL SIGN FOUNDATIONS SHALL BE ST4 CONCRETE.
11. THERE SHALL BE 200mm OF EARTH COVER FROM THE TOP OF THE SIGN FOUNDATION TO THE FINISHED GROUND LEVEL.
12. WHERE SIGNS ARE BEING INSTALLED IN AREAS WHERE NO PAVING WORKS ARE BEING UNDERTAKEN THE FOOTWAY IS TO BE REINSTATED WITH THE FOLLOWING:
20mm AC6 DENSE SURF 100/150 (EXCLUDING LIMESTONE)
60mm AC20 DENSE BBN 100/150
REGULATING TYPE 1 SUB BASE (120mm)



COI	ISSUED FOR APPROVAL	19.06.2013	D.J.W	J.B	C.H
rev	description	date	drawn	chk	app



Urban Vision Partnership Ltd, Emerson House, Albert Street, Eccles, Manchester, M30 0TE. T 0161 779 4800

client
TIGM

project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

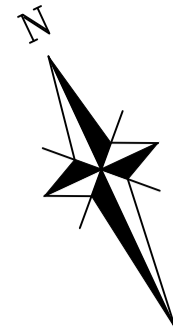
drawing
TRAFFIC SIGNS - SHEET 10 OF 29

approval status	date
<input type="radio"/> Feasibility / Sketch	01/10/2009
<input type="radio"/> Design	F.J.T
<input type="radio"/> Tender	checked M.K
<input checked="" type="radio"/> Construction	approved C.H
<input type="radio"/> As Built	

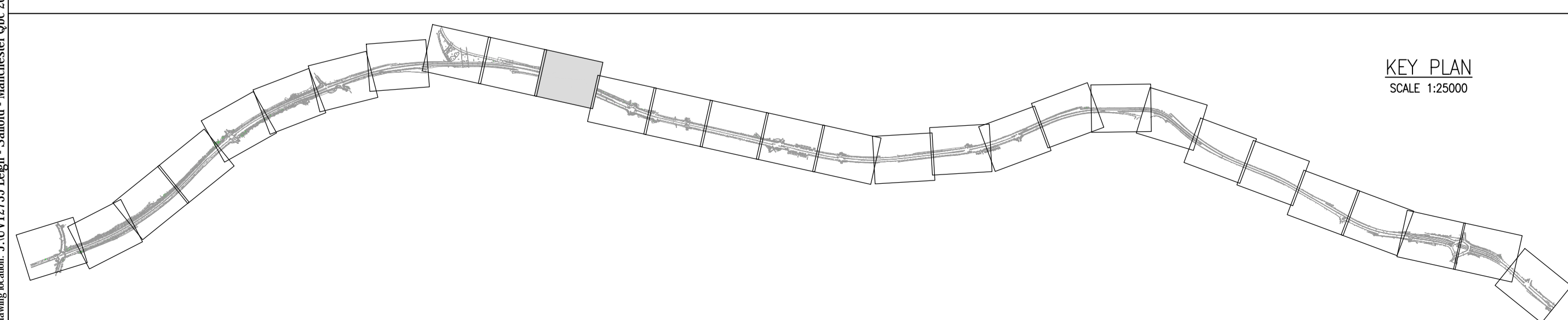
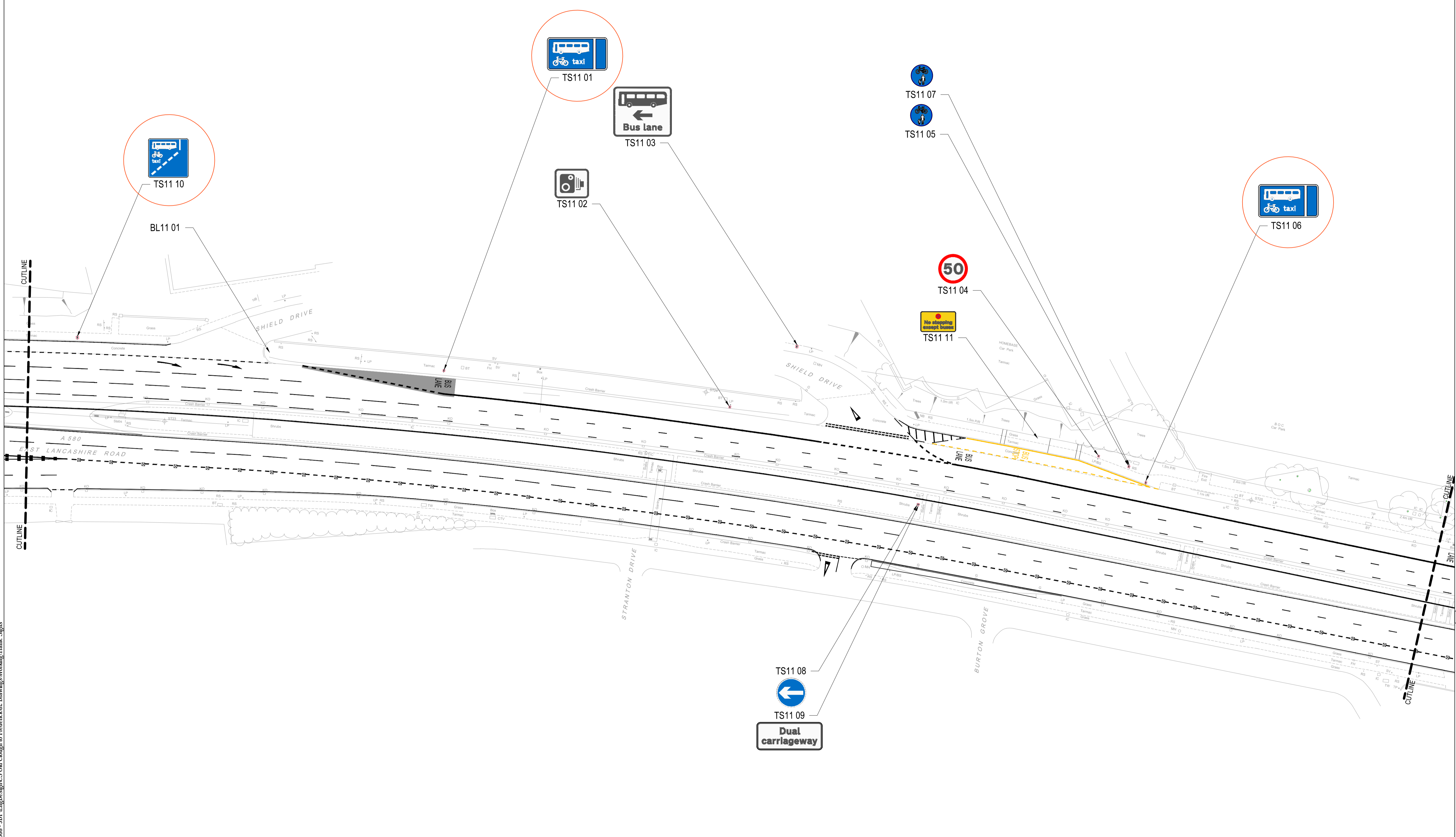
project ref.
UV012735 scale 1:500

drawing number
UV 012735 1200 TS 10 revision
C01

drawing location: F:\UV\12735 Legh - Salford - Manchester Qtr 2008 - JDP\Eng\design\CS DM Clough to Frederick\012 Drawings\Traffic Signs



Traffic Sign Schedule									
Sign Reference	Diagram No.	Location	Sign Size (mm)	X-Height (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination
BL11 01	PLAIN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
TS11 01	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO
TS11 02	879		525x450	N/A	600 MIN	2100	76.1x3.2 CHS	525x525x850	NO
TS11 03	962		900x759	75	600 MIN	2100	88.9x3.2 CHS	675x675x950	NO
TS11 04	670-50		900	N/A	600 MIN	2100	76.1x3.2 CHS	525x525x950	YES - TYPE A LED
TS11 05	956		450	N/A	600 MIN	2500	76.1x3.2 CHS	525x525x850	NO
TS11 06	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO
TS11 07	956		450	N/A	600 MIN	2500	76.1x3.2 CHS	525x525x850	NO
TS11 08	606		900	N/A	600 MIN	ABOVE TS11 09	SAME AS TS11 09	SAME AS TS11 09	YES - TYPE A LED
TS11 09	608		1360x575	62.5	600 MIN	2100	88.9x3.2 CHS	900x900x950	YES - BY TS11 08
TS11 10	959v		1155x1120	75	600 MIN	2100	88.9x3.2 CHS	675x675x1020	NO
TS11 11	974		291x167	20	600 MIN	2100	76.1x3.2 CHS	525x525x755	NO



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HEALTH AND SAFETY INFORMATION

- WORKING NEAR LIVE TRAFFIC
- EXCAVATING NEAR LIVE SURFACES
- LIVE OVERHEAD LINES

NOTES

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60mm AC20 DENSE BBN 100/150
REGULATING TYPE 1 SUB BASE (120mm)

COI	ISSUED FOR APPROVAL	18.06.2013	D.J.W	J.B	C.H
rev	description	date	drawn	chk	app



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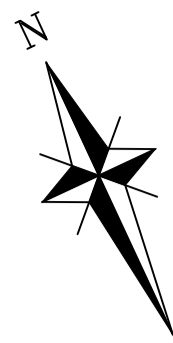
client
TIGM

project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 11 OF 29

approval status	date
○ Feasibility / Sketch	01/10/2009
○ Design	F.J.T
○ Tender	checked M.K
⊗ Construction	approved C.H
○ As Built	

project ref: **UV012735** scale: **A1**
drawing number: **UV 012735 1200 TS 11** I:500
revision: **C01**



Traffic Sign Schedule									
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination
BL12 01	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL12 02	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL12 03	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL12 04	PLAN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL12 05	616		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL12 06	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL12 07	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL12 08	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL12 09	616		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL12 10	PLAN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
TS12 01	670-50		900	N/A	600 MIN	2100	76.1x3.2 CHS	525x525x950	YES - TYPE A LED
TS12 02	NA		2135x1275	100	600 MIN	2100	2 No. 114.3x5 CHS @ 1300mm CENTRES	2 No. 675x675x1125	NO
TS12 03	964		740x430	75	600 MIN	2100	76.1x3.2 CHS	525x525x815	NO
TS12 04	670-50		900	N/A	600 MIN	2100	76.1x3.2 CHS	525x525x950	YES - TYPE A LED
TS12 05	974		291x167	20	600 MIN	2100	76.1x3.2 CHS	525x525x755	NO
TS12 07	974		291x167	20	600 MIN	2100	76.1x3.2 CHS	525x525x755	NO
TS12 08	543		900	N/A	600 MIN	2100	76.1x3.2 CHS	525x525x950	YES - TYPE A LED
TS12 09	543		900	N/A	600 MIN	2100	76.1x3.2 CHS	525x525x950	YES - TYPE A LED
TS12 10	966		900	50	600 MIN	2100	76.1x3.2 CHS	525x525x815	NO

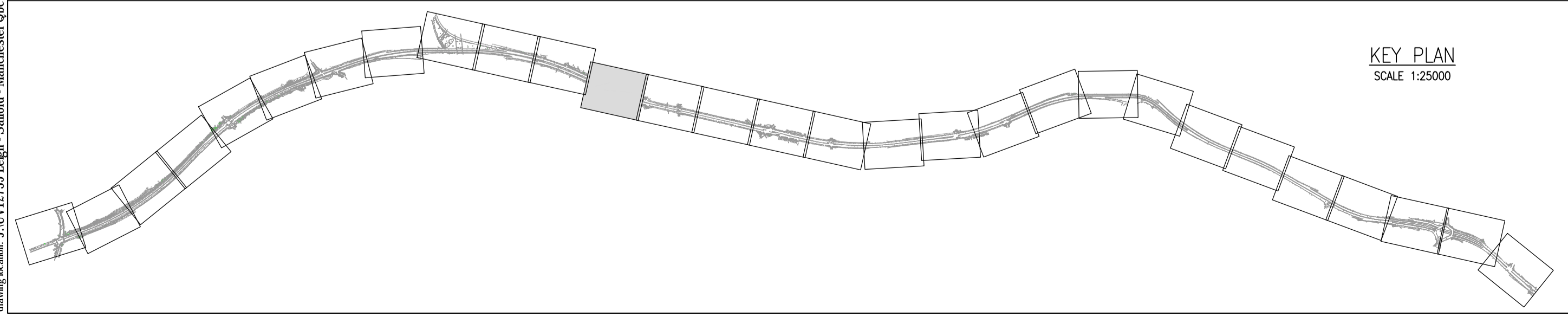
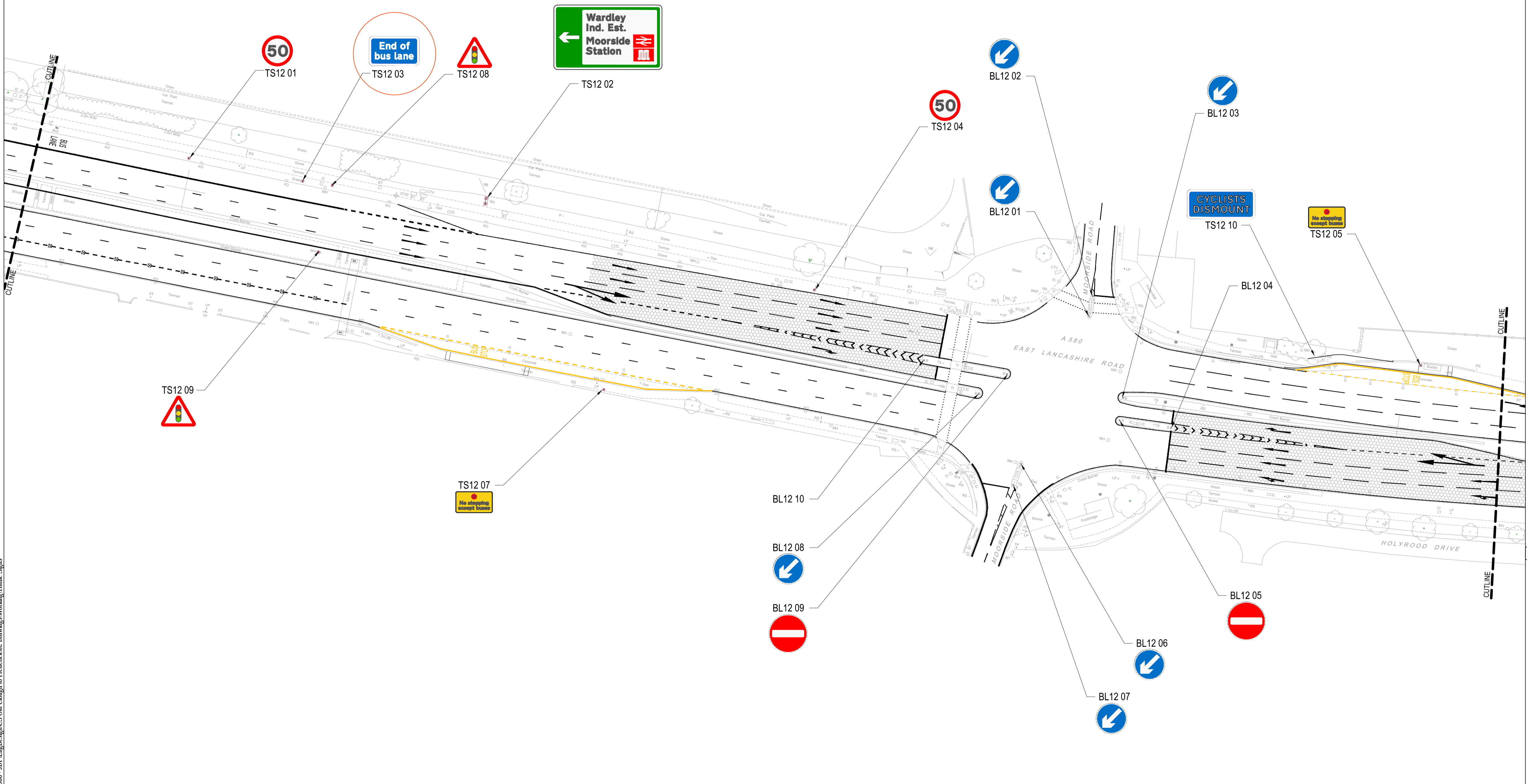
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HEALTH AND SAFETY INFORMATION

- Any hazards, that would not be foreseen by a reasonably competent contractor, have been identified by the designer below:
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 - EXCAVATING NEAR LIVE SURFACES
 - LIVE OVERHEAD LINES

NOTES

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20mm AC6 DENSE SURF 100/150 (EXCLUDING LIMESTONE)
60mm AC20 DENSE BBN 100/150
REGULATING TYPE 1 SUB BASE (120mm)



rev	description	date	drawn	chk	app
001	ISSUED FOR APPROVAL	19.06.2013	D.J.W	J.B	C.H



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client
TGM

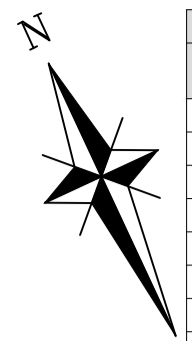
project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 12 OF 29

approval status	date
○ Feasibility / Sketch	01/10/2009
○ Design	F.J.T
○ Tender	checked M.K
⊗ Construction	approved C.H
○ As Built	

project ref: **UV012735** scale: **A3**
drawing number: **UV 012735 1200 TS 12** I:500
revision: **C01**

drawing location: J:\UV12735 Legh - Salford - Manchester Qtr 2008 - JDP\Eng\design\CS 004 Clough to Frederick\012 Drawings\Working\Traffic Signs



Traffic Sign Schedule									
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination
BL13 01	PLAIN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL13 02	PLAIN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
TS13 01	962		900x759	75	600 MIN	2100	88.9x3.2 CHS	675x675x950	NO
TS13 02	956v		1155x1120	75	600 MIN	2100	88.9x3.2 CHS	675x675x1020	NO
TS13 03	956v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO
TS13 04	962		900x759	75	600 MIN	2100	88.9x3.2 CHS	675x675x950	NO
TS13 05	956v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO
TS13 06	974		291x167	20	600 MIN	2100	76.1x3.2 CHS	525x525x755	NO
TS13 07	956v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO
TS13 08	974		291x167	20	600 MIN	2100	76.1x3.2 CHS	525x525x755	NO
TS13 09	962		900x759	75	600 MIN	2100	88.9x3.2 CHS	675x675x950	NO
TS13 10	956v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO
TS13 11	964		740x430	75	600 MIN	2100	76.1x3.2 CHS	525x525x815	NO
TS13 13	966			50	600 MIN	BACK TO BACK WITH TS13 02	SAME AS TS13 02	SAME AS TS13 02	NO

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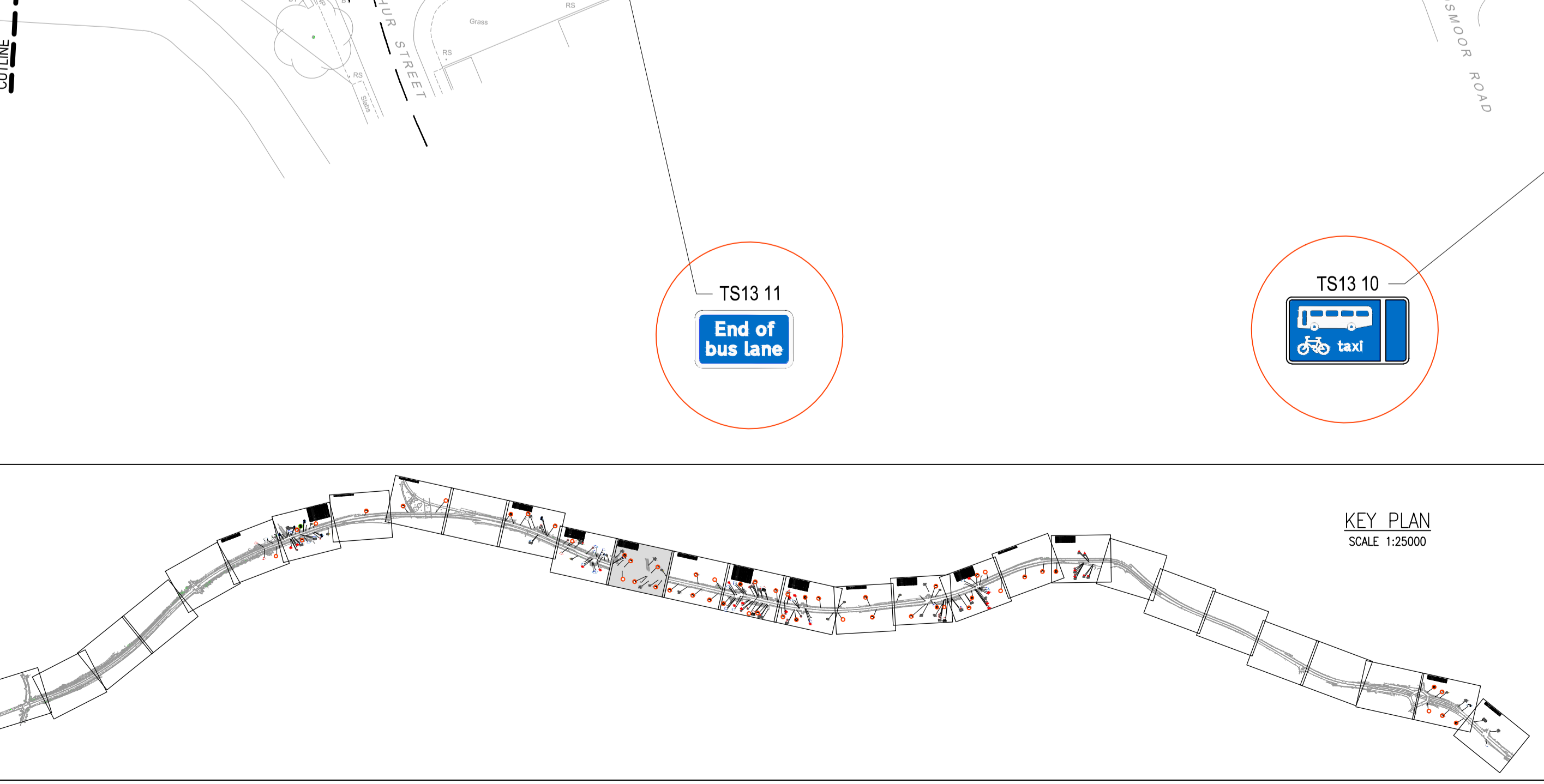
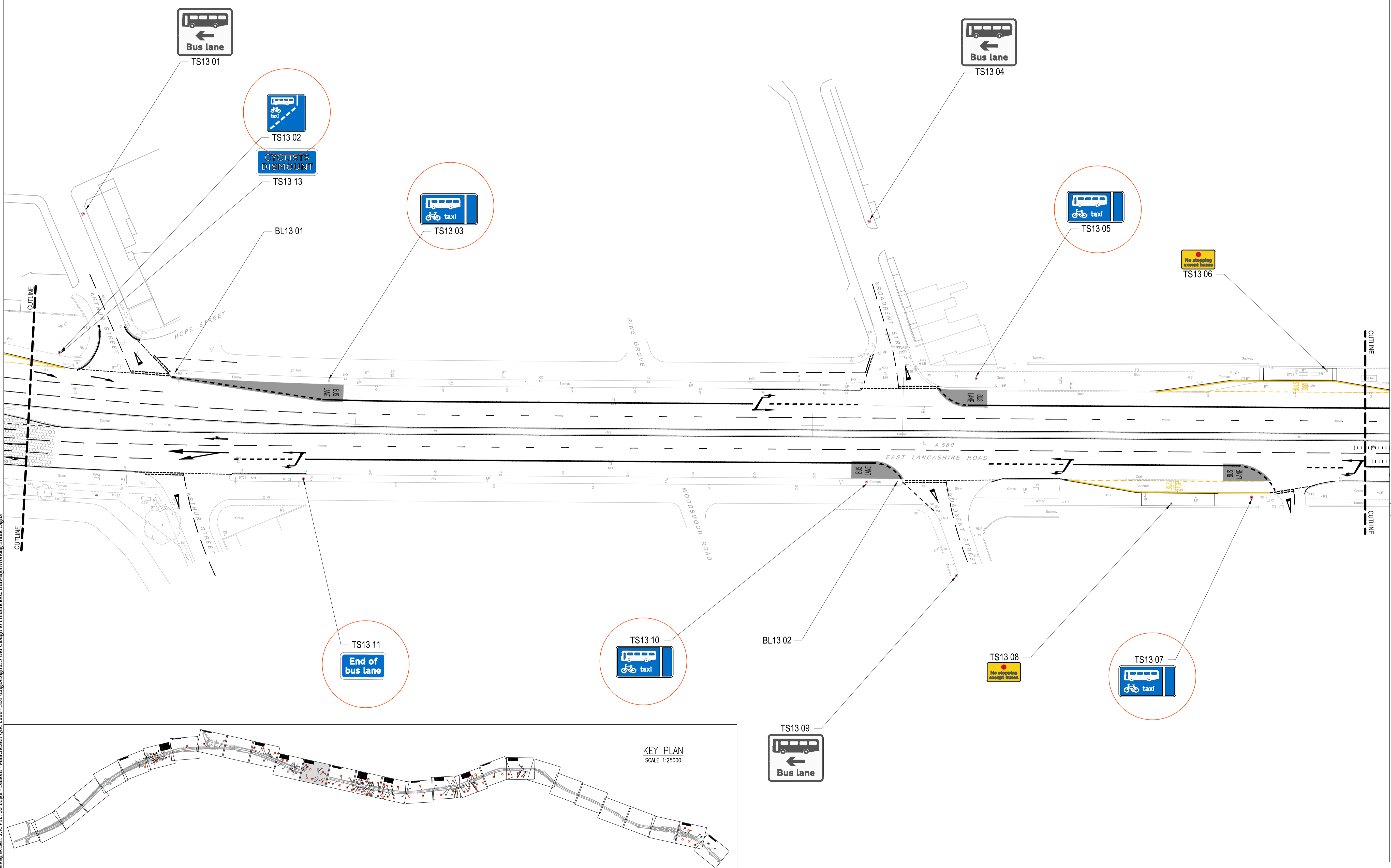
HEALTH AND SAFETY INFORMATION

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rev	description	date	drawn	chk	app
001	ISSUED FOR APPROVAL	19.06.2013	D.J.W	J.R	C.H



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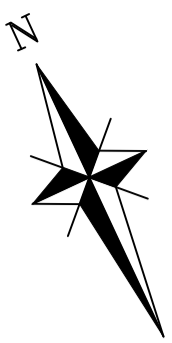
client
TIGM

project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 13 OF 29

approval status	date
○ Feasibility / Sketch	01/10/2009
○ Design	F.J.T
○ Tender	checked M.K
⊗ Construction	approved C.H
○ As Built	

project ref. **UV012735** scale 1:500
drawing number **UV 012735 1200 TS 13** revision **C01**



Traffic Sign Schedule									
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination
TS 14 02	959v		1155x630	75	600 MN	2100	76.1x3.2 CHS	525x525x880	NO
TS14 03	964		740x430	75	600 MN	2100	76.1x3.2 CHS	525x525x815	NO
TS14 04	959v		1155x630	75	600 MN	2100	76.1x3.2 CHS	525x525x880	NO
TS14 05	959v		1155x630	75	600 MN	2100	76.1x3.2 CHS	525x525x880	NO
TS14 07	962		900x759	75	600 MN	2100	88.9x3.2 CHS	675x675x950	NO
TS14 08	959v		1155x630	75	600 MN	2100	76.1x3.2 CHS	525x525x880	NO

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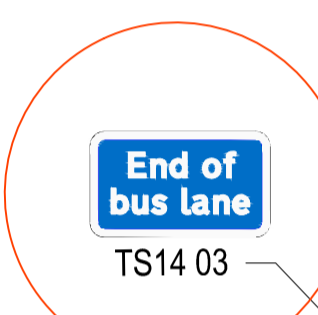
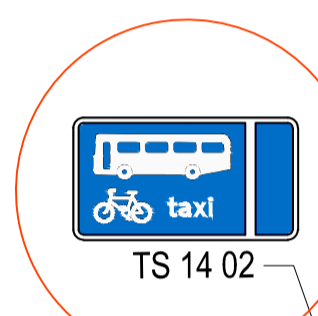
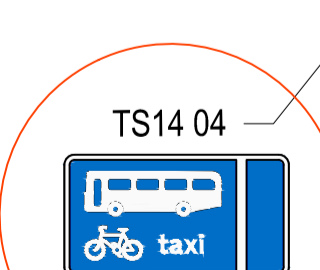
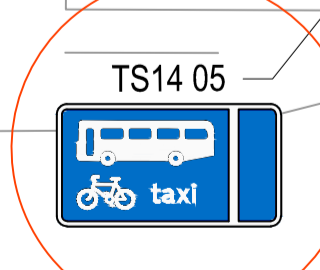
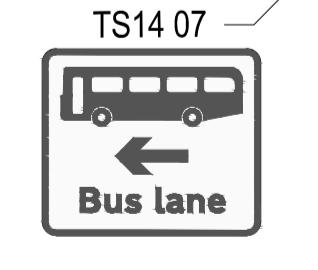
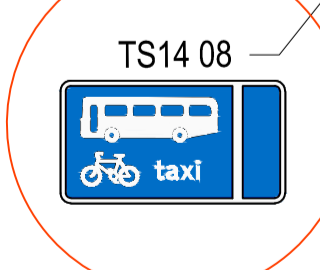
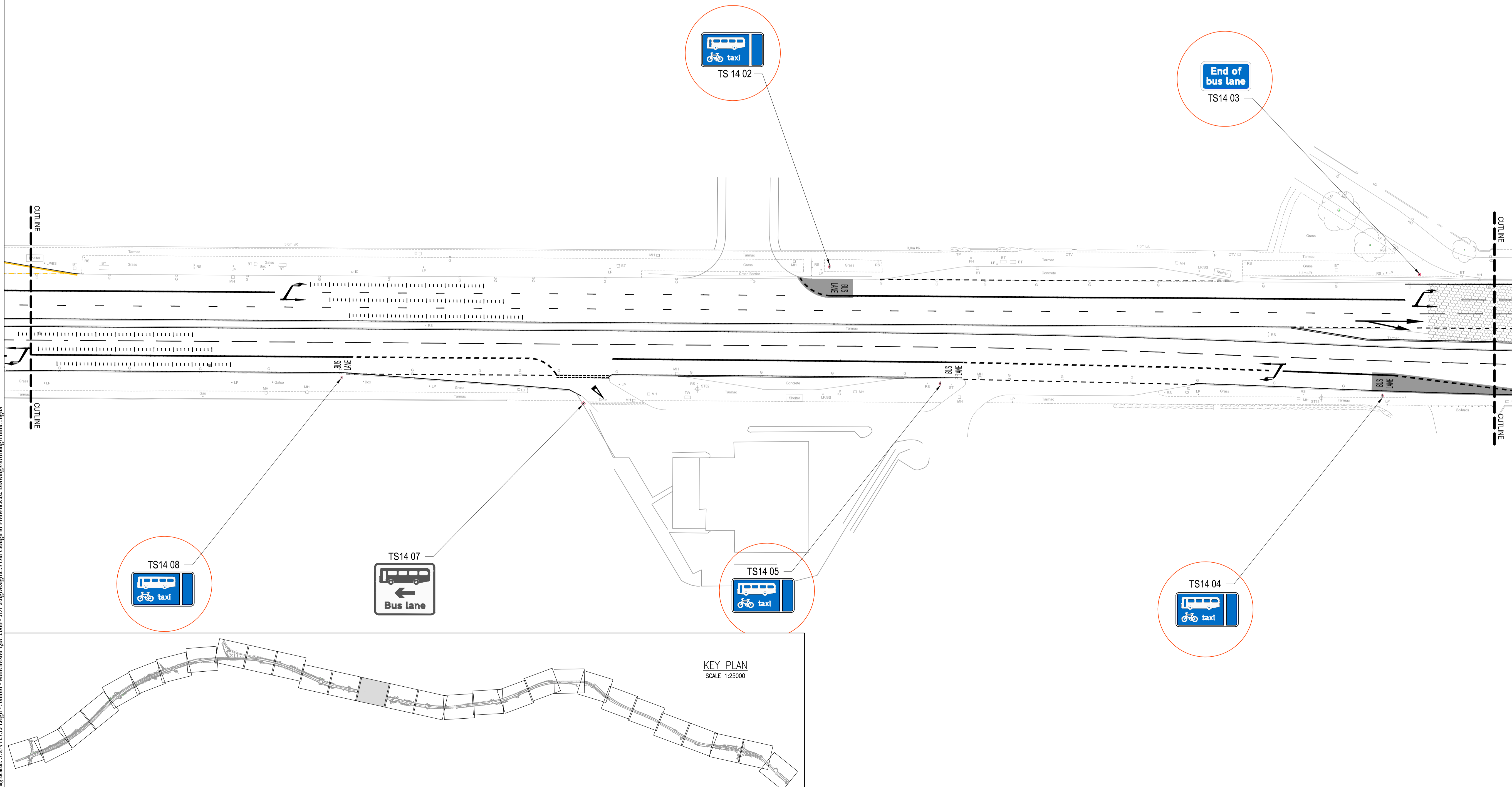
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20mm AC6 DENSE SURF 100/150 (EXCLUDING LIMESTONE)
60mm AC20 DENSE BN 100/150
REGULATING TYPE 1 SUB BASE (120mm)



KEY PLAN
SCALE 1:25000

rev	description	date	drawn	chk	app
001	ISSUED FOR APPROVAL	18.06.2013	D.J.W	J.B	C.H



Urban Vision Partnership Ltd, Emerson House, Albert Street, Eccles, Manchester, M30 0TE. T 0161 779 4800

client
TRGM

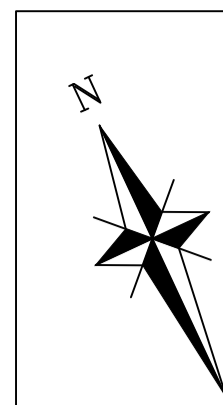
project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 14 OF 29

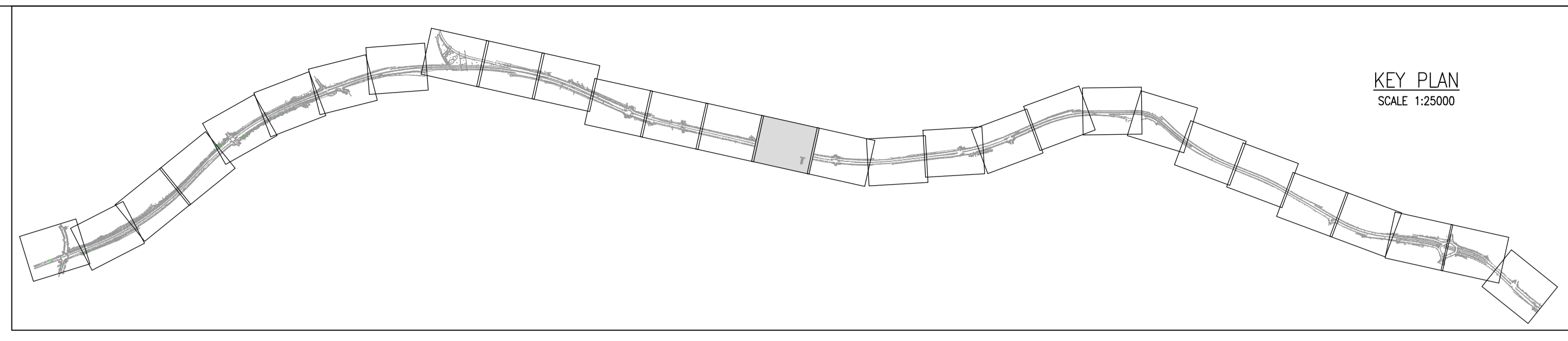
approval status	date
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<input type="radio"/> Design	F.J.T
<input type="radio"/> Tender	checked M.K
<input checked="" type="radio"/> Construction	approved C.H
<input type="radio"/> As Built	

project ref: **UV012735** scale: **A1**
drawing number: **UV 012735 1200 TS 14** I:500
revision: **C01**

drawing location: F:\UV12735\Legh - Salford - Manchester Qtr 2008 - JDP\Eng\Design\CS DM Clough to Frederick\02 Drainage\Working\Traffic_Signs



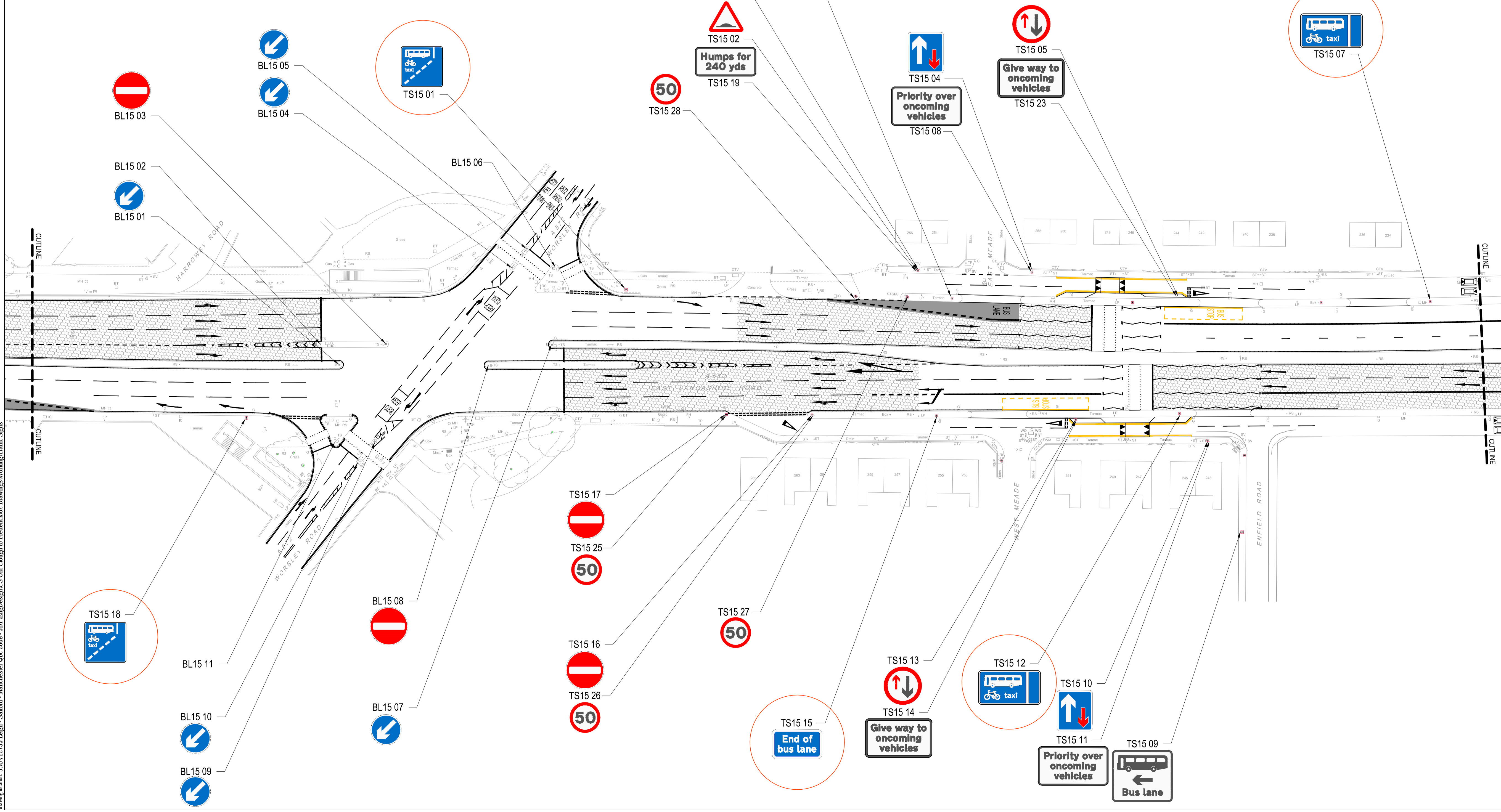
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination
BL15 01	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL15 02	PLAIN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL15 03	616		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL15 04	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL15 05	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL15 06	PLAIN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL15 07	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL15 08	616		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL15 09	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL15 10	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL15 11	PLAIN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
TS15 01	956v		1155x1120	75	600 MIN	2100	88.9x4.0 CHS	675x675x1020	NO
TS15 02	557.1		600x680	N/A	600 MIN	ABOVE TS15 19	SAME AS TS15 19	SAME AS TS15 19	SAME AS TS15 24
TS15 03	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x690	NO
TS15 04	811		700x800	100	600 MIN	ABOVE TS15 08	SAME AS TS15 08	SAME AS TS15 08	NO
TS15 05	815		750	N/A	600 MIN	ABOVE TS15 25	SAME AS TS15 25	SAME AS TS15 25	YES - TYPE A LED
TS15 07	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x690	NO
TS15 08	811.1		875x485	62.5	600 MIN	2100	76.1x3.2 CHS	525x525x695	NO
TS15 09	862		900x759	75	600 MIN	2100	88.9x3.2 CHS	675x675x950	NO
TS15 10	811		700x800	100	600 MIN	ABOVE TS15 22	SAME AS TS15 22	SAME AS TS15 22	NO
TS15 11	811.1		875x485	62.5	600 MIN	2100	76.1x3.2 CHS	525x525x695	NO
TS15 12	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x690	NO
TS15 13	615		750	N/A	600 MIN	ABOVE TS15 21	SAME AS TS15 21	SAME AS TS15 21	YES - TYPE A LED
TS15 14	615.1		830x485	62.5	600 MIN	2100	76.1x3.2 CHS	525x525x690	YES - BY TS15 13
TS15 15	964		740x430	75	600 MIN	2100	76.1x3.2 CHS	525x525x615	NO
TS15 16	616		900	N/A	600 MIN	BACK TO BACK WITH TS15 26	76.1x3.2 CHS	525x525x690	YES - TYPE A LED
TS15 17	616		900	N/A	600 MIN	BACK TO BACK WITH TS15 25	76.1x3.2 CHS	525x525x690	YES - TYPE A LED
TS15 18	959v		1155x1120	75	600 MIN	2100	88.9x4.0 CHS	675x675x1020	NO
TS15 19	557.2		600x290	50	600 MIN	2100	76.1x3.2 CHS	525x525x695	SAME AS TS15 24
TS15 23	615.1		830x485	62.5	600 MIN	2100	76.1x3.2 CHS	525x525x690	YES - BY TS15 05
TS15 24	610-30		750	N/A	600 MIN	ABOVE TS15 02	SAME AS TS15 19	SAME AS TS15 19	YES - TYPE A LED
TS15 25	610-50		750	N/A	600 MIN	2100	76.1x3.2 CHS	SAME AS TS15 17	YES - TYPE A LED
TS15 26	610-50		750	N/A	600 MIN	2100	76.1x3.2 CHS	SAME AS TS15 16	YES - TYPE A LED
TS15 27	610-50		750	N/A	600 MIN	2100	76.1x3.2 CHS	525x525x690	YES - TYPE A LED
TS15 28	610-50		750	N/A	600 MIN	2100	76.1x3.2 CHS	525x525x690	YES - TYPE A LED



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- HEALTH AND SAFETY INFORMATION**
- Any hazards that would not be foreseen by a reasonably competent contractor, have been identified by the designer below:
- WORKING NEAR LIVE TRAFFIC
 - EXCAVATING NEAR LIVE SURFACES
 - LIVE OVERHEAD LINES

- NOTES**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE TRAFFIC SIGNS AND GENERAL DIRECTIONS 2002.
 - ALL SIGN LOCATIONS TO BE AGREED WITH URBAN VISION CLERK OF WORKS ON SITE BEFORE INSTALLATION.
 - REFER TO DRAWINGS UV 012735 1300 LJ 06 TO 35, FOR ILLUMINATED SIGNAGE CABLING DETAILS.
 - ILLUMINATION TYPE 'A' REFERS TO: SIGNATURE EXLITE DELTA (IP 65) HIGH FLUX LED OPTION EL-D-LED LIGHTING UNIT OR SIMILAR APPROVED.
 - ILLUMINATION TYPE 'D' REFERS TO: SIGNATURE MAJORLITE T218 (IP 56) ML-T218 LIGHTING UNIT OR SIMILAR APPROVED.
 - ALL BACK TO BACK SIGNS WHICH ARE SHOWN TO BE ILLUMINATED ARE TO HAVE A DOUBLE BRACKET WHICH ALLOWS FOR ILLUMINATION ON BOTH SIGN PLATES.
 - MOUNTING HEIGHT OF ALL SIGNS TO BE 2.4 IN SHARED CYCLE FOOTWAY AREAS, 2.1m IN PEDESTRIAN AREAS AND BETWEEN 0.9m AND 1.5m AS APPROPRIATE IN ALL OTHER AREAS TO BE AGREED BY THE ENGINEER.
 - DRAWING TO BE READ IN CONJUNCTION WITH STANDARD DETAIL STD1200-01.
 - MINIMUM CLEARANCE FROM KERB FACE TO EDGE OF SIGN FACE FOR ALL SIGNS TO BE 600mm.
 - ALL SIGNS TO BE FABRICATED USING 'CLASS REF 2 (12899 1:2001) MATERIAL OR SIMILAR APPROVED TO BE AGREED WITH THE ENGINEER.
 - ALL SIGN FOUNDATIONS SHALL BE ST4 CONCRETE.
 - THERE SHALL BE 200mm OF EARTH COVER FROM THE TOP OF THE SIGN FOUNDATION TO THE FINISHED GROUND LEVEL.
 - WHERE SIGNS ARE BEING INSTALLED IN AREAS WHERE NO PAVING WORKS ARE BEING UNDERTAKEN THE FOOTWAY IS TO BE REINSTATED WITH THE FOLLOWING:
20mm AC6 DENSE SURF 100/150 (EXCLUDING LIMESTONE)
60mm AC20 DENSE BBN 100/150
REGULATING TYPE 1 SUB BASE (120mm)



COI	ISSUED FOR APPROVAL	10.06.2013	D.J.W	J.F	C.H
rev	description	date	drawn	chk	app

urbanvision

Urban Vision Partnership Ltd, Emerson House, Albert Street, Eccles, Manchester, M30 0TE. T 0161 779 4800

client
TIGM

project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 15 OF 29

approval status	date
<input type="radio"/> Feasibility / Sketch	01/10/2009
<input type="radio"/> Design	F.J.T
<input type="radio"/> Tender	checked M.K
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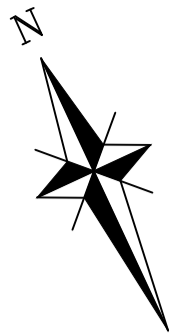
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UV012735 scale 1:1

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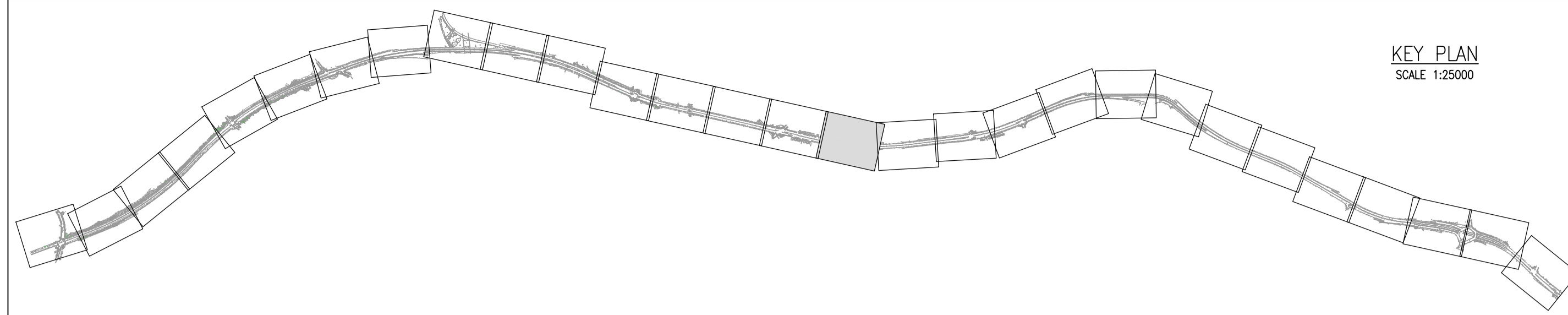
revision
C01

www.urbanvision.org.uk

drawing location: F:\UV\12735\Legh - Salford - Manchester Qtr 2008 - JDP\Eng\Design\CS\DR\Change to Frederick\Traffic Signs



Traffic Sign Schedule									
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination
BL16 01	616		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL16 02	PLAN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL16 03	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL16 04	PLAN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL16 05	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL16 06	616		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
TS16 01	964		740x430	75	600 MIN	2100	76.1x3.2 CHS	525x525x965	NO
TS16 02	968v		1155x1120	75	600 MIN	2100	88.9x4.0 CHS	675x675x1020	NO
TS16 03	969v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x980	NO
TS16 04	974		291x167	20	600 MIN	2100	76.1x3.2 CHS	525x525x755	NO
TS16 05	968v		1155x1120	75	600 MIN	2100	88.9x4.0 CHS	675x675x1020	NO
TS16 06	557.1		600x680	N/A	600 MIN	ABOVE TS16 07	SAME AS TS16 07	SAME AS TS16 07	SAME AS TS16 13
TS16 07	557.1		605x290	50	600 MIN	2100	76.1x3.2 CHS	525x525x965	SAME AS TS16 13
TS16 08	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x980	NO
TS16 09	616		900	N/A	600 MIN	BACK TO BACK WITH TS16 10	76.1x3.2 CHS	525x525x950	YES - TYPE A LED
TS16 10	670-50		750	N/A	600 MIN	2100	SAME AS TS16 09	SAME AS TS16 09	YES - TYPE A LED
TS16 11	616		900	N/A	600 MIN	BACK TO BACK WITH TS16 12	76.1x3.2 CHS	525x525x950	YES - TYPE A LED
TS16 12	670-50		750	N/A	600 MIN	2100	SAME AS TS16 11	SAME AS TS16 11	YES - TYPE A LED
TS16 13	670-30		750	N/A	600 MIN	ABOVE TS16 06	SAME AS TS16 07	SAME AS TS16 07	YES - TYPE A LED
TS16 14	670-50		750	N/A	600 MIN	2100	76.1x3.2 CHS	525x525x950	YES - TYPE A LED
TS16 15	557.2		605x290	50	600 MIN	BACK TO BACK WITH TS16 01	SAME AS TS16 01	SAME AS TS16 01	NO
TS16 16	557.1		600x680	N/A	600 MIN	ABOVE TS16 15	SAME AS TS16 01	SAME AS TS16 01	NO



KEY PLAN
SCALE 1:25000

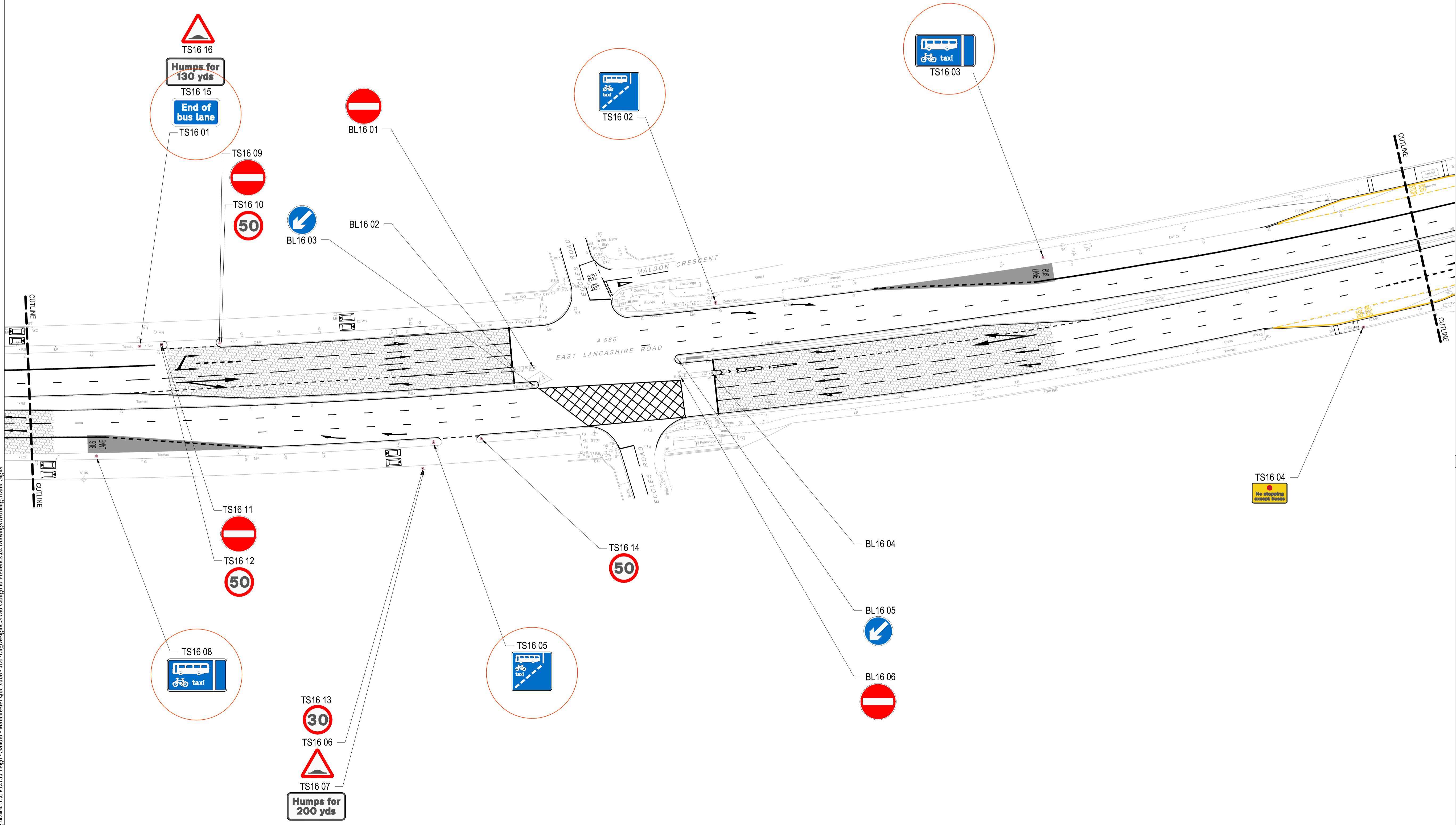
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HEALTH AND SAFETY INFORMATION

- WORKING NEAR LIVE TRAFFIC
- EXCAVATING NEAR LIVE SURFACES
- LIVE OVERHEAD LINES

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE TRAFFIC SIGNS AND GENERAL DIRECTIONS 2002.
2. ALL SIGN LOCATIONS TO BE AGREED WITH URBAN VISION CLERK OF WORKS ON SITE BEFORE INSTALLATION.
3. REFER TO DRAWINGS UV 012735 1300 LJ 06 TO 35, FOR ILLUMINATED SIGNAGE CABLING DETAILS.
4. ILLUMINATION TYPE 'A' REFERS TO: SIGNATURE EXLITE DELTA (IP 65) HIGH FLUX LED OPTION EL-D-LED LIGHTING UNIT OR SIMILAR APPROVED.
4. ILLUMINATION TYPE 'D' REFERS TO: SIGNATURE MAJORLITE T218 (IP 56) ML-T218 LIGHTING UNIT OR SIMILAR APPROVED.
5. ALL BACK TO BACK SIGNS WHICH ARE SHOWN TO BE ILLUMINATED ARE TO HAVE A DOUBLE BRACKET WHICH ALLOWS FOR ILLUMINATION ON BOTH SIGN PLATES.
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10. ALL SIGN FOUNDATIONS SHALL BE ST4 CONCRETE.
11. THERE SHALL BE 200mm OF EARTH COVER FROM THE TOP OF THE SIGN FOUNDATION TO THE FINISHED GROUND LEVEL.
12. WHERE SIGNS ARE BEING INSTALLED IN AREAS WHERE NO PAVING WORKS ARE BEING UNDERTAKEN THE FOOTWAY IS TO BE REINSTATED WITH THE FOLLOWING:
20mm AC6 DENSE SURF 100/150 (EXCLUDING LIMESTONE)
60mm AC20 DENSE BBN 100/150
REGULATING TYPE 1 SUB BASE (120mm)



rev	description	date	drawn	chk	app
C01	ISSUED FOR APPROVAL	10.06.2013	D.J.W	J.E	C.H



Urban Vision Partnership Ltd, Emerson House, Albert Street, Eccles, Manchester, M30 0TE. T 0161 779 4800

client
TIGM

project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 16 OF 29

approval status	date
○ Feasibility / Sketch	01/10/2009
○ Design	F.J.T
○ Tender	checked M.K
⊗ Construction	approved C.H
○ As Built	

project ref: **UV012735** scale: A1
drawing number: **UV 012735 1200 TS 16** I:500
revision: **C01**



Traffic Sign Schedule									
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination
TS17 01	974		291x167	20	600 MIN	2100	76.1x3.2 CHS	525x525x755	NO
TS17 02	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO
TS17 03	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO
TS17 04	964		740x430	75	600 MIN	2100	76.1x3.2 CHS	525x525x815	NO

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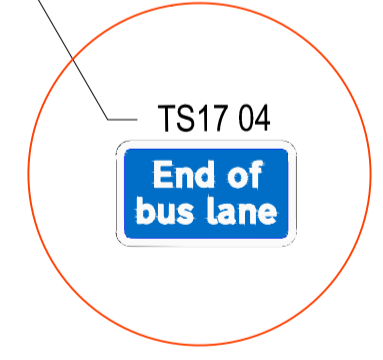
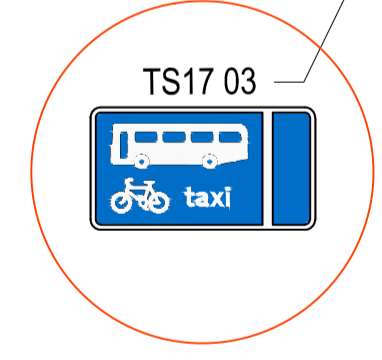
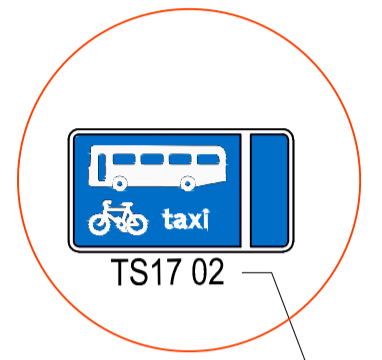
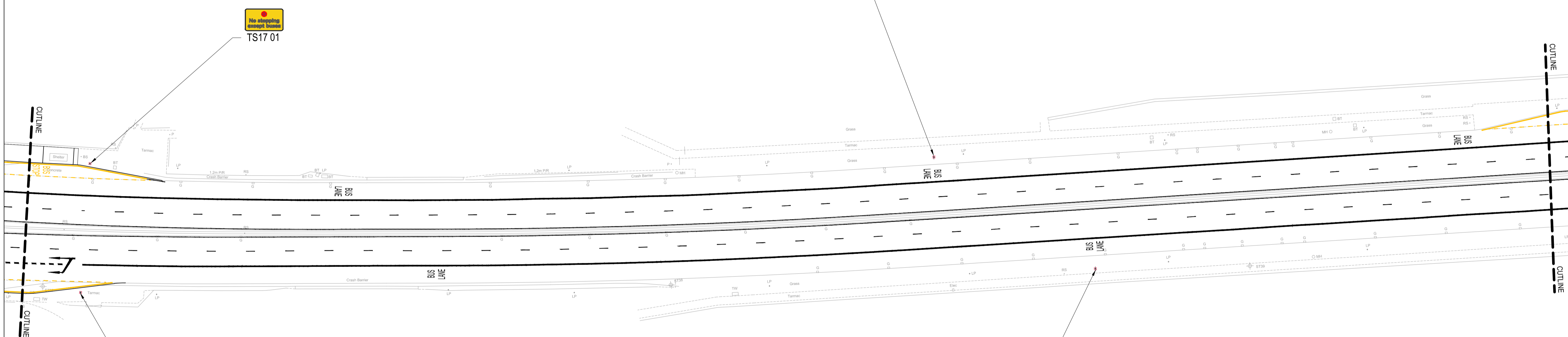
HEALTH AND SAFETY INFORMATION

Any hazards, that would not be foreseen by a reasonably competent contractor, have been identified by the designer below.

- WORKING NEAR LIVE TRAFFIC
- EXCAVATING NEAR LIVE SURFACES
- LIVE OVERHEAD LINES

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE TRAFFIC SIGNS AND GENERAL DIRECTIONS 2002.
2. ALL SIGN LOCATIONS TO BE AGREED WITH URBAN VISION CLERK OF WORKS ON SITE BEFORE INSTALLATION.
3. REFER TO DRAWINGS UV 012735 1300 LI 06 TO 35. FOR ILLUMINATED SIGNAGE CABLING DETAILS.
4. ILLUMINATION TYPE 'A' REFERS TO: SIGNATURE EXLITE DELTA (IP 65) HIGH FLUX LED OPTION EL-D-LED LIGHTING UNIT OR SIMILAR APPROVED.
4. ILLUMINATION TYPE 'D' REFERS TO: SIGNATURE MAJORLITE T218 (IP 56) ML-T218 LIGHTING UNIT OR SIMILAR APPROVED.
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8. MINIMUM CLEARANCE FROM KERB FACE TO EDGE OF SIGN FACE FOR ALL SIGNS TO BE 600mm.
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12. WHERE SIGNS ARE BEING INSTALLED IN AREAS WHERE NO PAVING WORKS ARE BEING UNDERTAKEN THE FOOTWAY IS TO BE REINSTATED WITH THE FOLLOWING:
20mm AC6 DENSE SURF 100/150 (EXCLUDING LIMESTONE)
60mm AC20 DENSE BBN 100/150
REGULATING TYPE 1 SUB BASE (120mm)



COI	ISSUED FOR APPROVAL	19.06.2013	D.J.W	J.B	C.H
rev	description	date	drawn	chk	app



Urban Vision Partnership Ltd, Emerson House, Albert Street, Eccles, Manchester, M30 0TE. T 0161 779 4800

client
TRGM

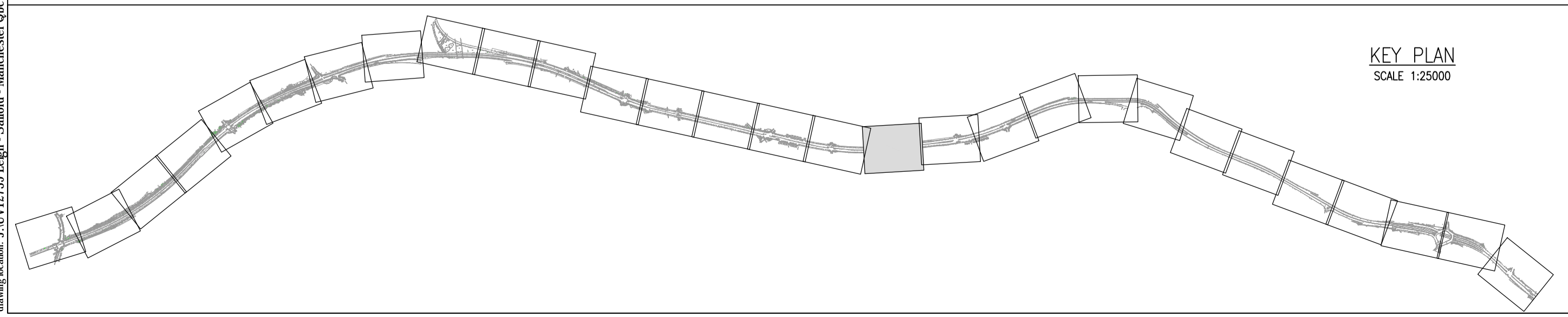
project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

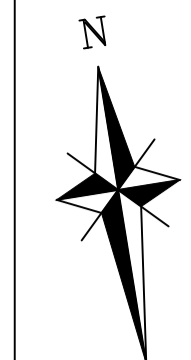
drawing
TRAFFIC SIGNS - SHEET 17 OF 29

approval status	date
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<input type="radio"/> Design	F.J.T
<input type="radio"/> Tender	checked M.K
<input checked="" type="radio"/> Construction	approved C.H
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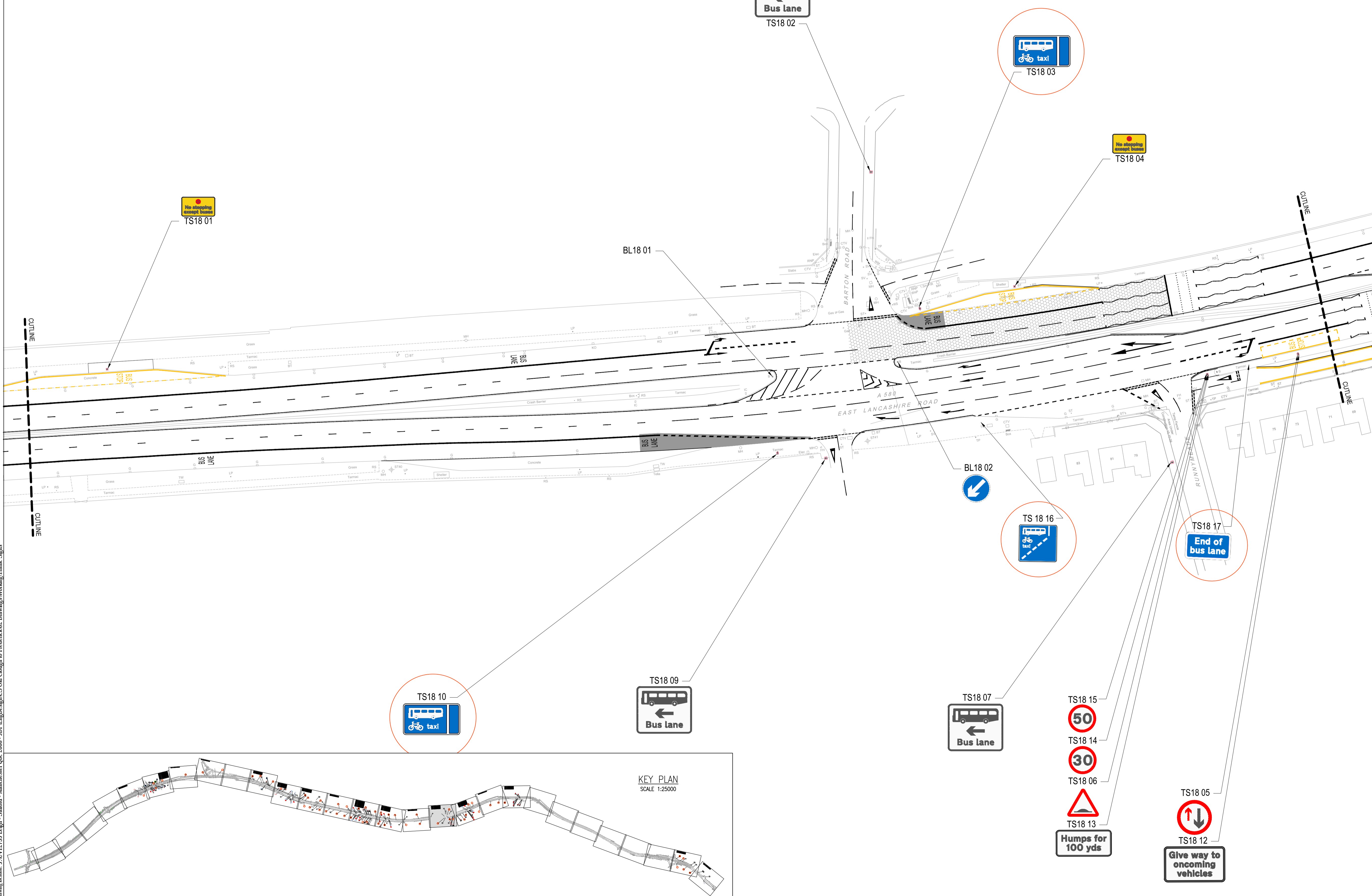
project ref. **UV012735** scale: **A3**
drawing number **UV 012735 1200 TS 17** I:500
revision **C01**

drawing location: J:\UV\12735 Legh - Salford - Manchester Qtr 2008 - JDP\Eng\design\CS 004 Clough to Frederick\012 Drawings\Working\Traffic Signs





Traffic Sign Schedule									
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination
BL18 01	PLAIN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
TS18 02	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
TS18 16	959v		1155x1120	75	600 MIN	2100	88.9x3.2 CHS	675x675x1020	NO
TS18 01	974		291x167	20	600 MIN	2100	76.1x3.2 CHS	525x525x755	NO
TS18 02	962		900x759	75	600 MIN	2100	88.9x3.2 CHS	675x675x950	NO
TS18 03	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO
TS18 04	974		291x167	20	600 MIN	2100	76.1x3.2 CHS	525x525x755	NO
TS18 05	615		750	N/A	600 MIN	ABOVE TS18 12	SAME AS TS18 12	SAME AS TS18 12	YES - TYPE A LED
TS18 06	557.1		600x680	N/A	600 MIN	ABOVE TS18 13	SAME AS TS18 13	SAME AS TS18 13	NO
TS18 07	962		900x759	75	600 MIN	2100	88.9x3.2 CHS	675x675x950	NO
TS18 09	962		900x759	75	600 MIN	2100	88.9x3.2 CHS	675x675x950	NO
TS18 10	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO
TS18 12	615.1		830x485	62.5	600 MIN	2100	76.1x3.2 CHS	525x525x950	YES - BY TS18 05
TS18 13	573		605x290	50	600 MIN	2100	76.1x3.2 CHS	675x675x950	YES TYPE A LED
TS18 14	670-30		750	N/A	600 MIN	ABOVE TS18 06	SAME AS TS18 13	SAME AS TS18 13	SAME AS TS18 13
TS18 15	670-50		900	N/A	600 MIN	BACK TO BACK WITH TS18 13	SAME AS TS18 13	SAME AS TS18 13	YES - TYPE A LED
TS18 17	964		740x430	75	600 MIN	2100	76.1x3.2 CHS	525x525x815	NO



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HEALTH AND SAFETY INFORMATION

- WORKING NEAR LIVE TRAFFIC
- EXCAVATING NEAR LIVE SURFACES
- LIVE OVERHEAD LINES

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE TRAFFIC SIGNS AND GENERAL DIRECTIONS 2002.
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3. REFER TO DRAWINGS UV 012735 1300 LJ 06 TO 35. FOR ILLUMINATED SIGNAGE CABLING DETAILS.
4. ILLUMINATION TYPE A REFERS TO: SIGNATURE EXLITE DELTA (IP 65) HIGH FLUX LED OPTION EL-D-LED LIGHTING UNIT OR SIMILAR APPROVED.
4. ILLUMINATION TYPE D REFERS TO: SIGNATURE MAJORLITE T218 (IP 56) ML-T218 LIGHTING UNIT OR SIMILAR APPROVED.
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20mm AC6 DENSE SURF 100/150 (EXCLUDING LIMESTONE)
60mm AC20 DENSE BN 100/150
REGULATING TYPE 1 SUB BASE (120mm)

rev	description	date	drawn	chk	app
001	ISSUED FOR APPROVAL	18.06.2013	D.J.W	J.B	C.H



Urban Vision Partnership Ltd, Emerson House, Albert Street, Eccles, Manchester, M30 0TE. T 0161 779 4800

client
TGM

project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 18 OF 29

approval status	date
○ Feasibility / Sketch	01/10/2009
○ Design	F.J.T
○ Tender	checked M.K
○ Construction	approved C.H
○ As Built	

project ref.
UV012735 scale: 1:1

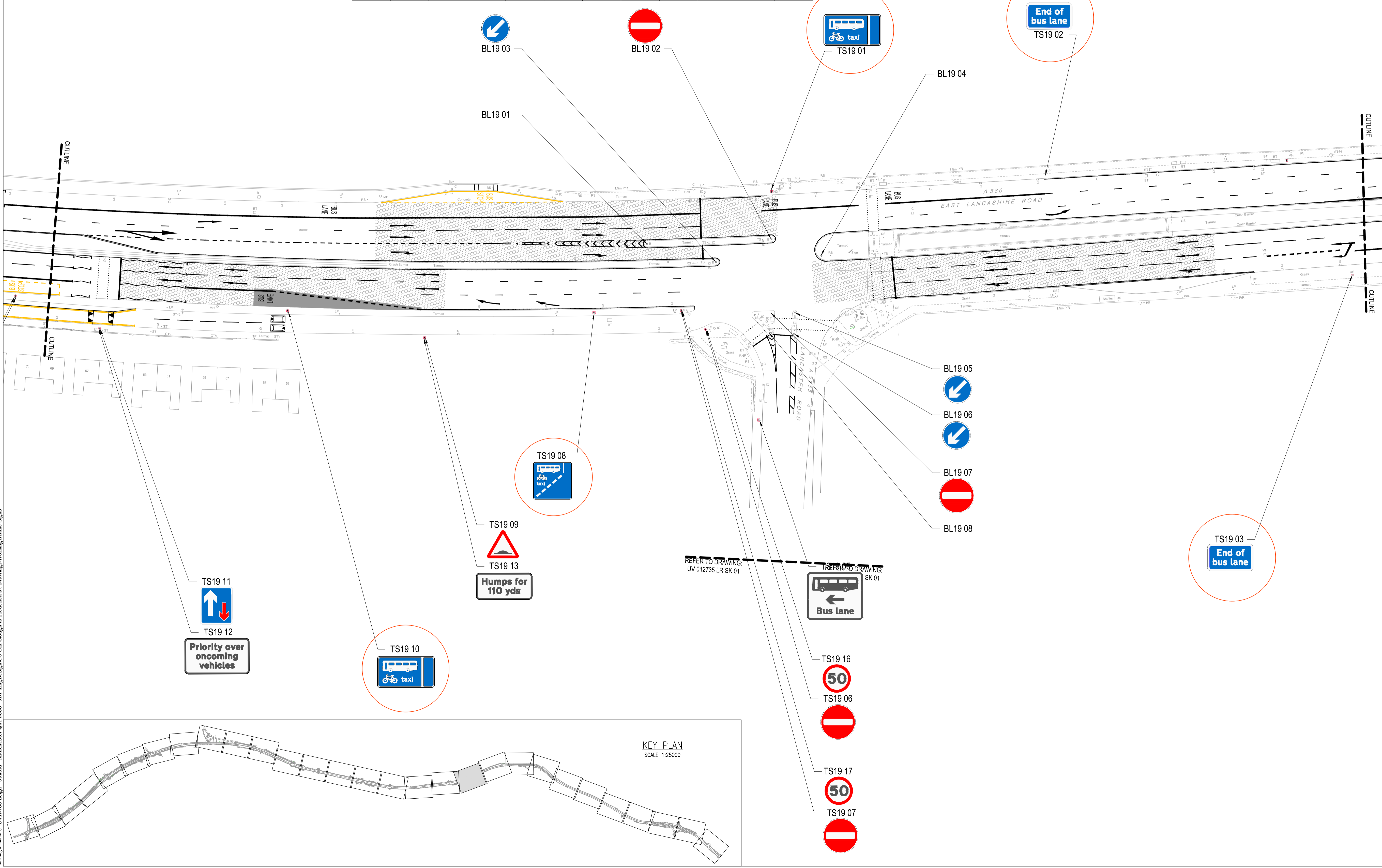
drawing number
UV 012735 1200 TS 18 scale: 1:500

revision
C01

drawing location: F:\UV12735\Leigh - Salford - Manchester Qtr 2008 - JDP\Eng\design\CS DM Clough to Frederick\Traffic Signs



Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination
BL19 01	PLAIN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL19 02	616		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL19 03	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL19 04	PLAIN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL19 05	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL19 06	610		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL19 07	616		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
BL19 08	PLAIN		N/A	N/A	600 MIN	N/A	N/A	REFER TO BOLLARD DETAIL TYPE A	SOLAR
TS19 01	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO
TS19 02	964		740x430	75	600 MIN	2100	76.1x3.2 CHS	525x525x815	NO
TS19 03	964		740x430	75	600 MIN	2100	76.1x3.2 CHS	525x525x815	NO
TS19 05	962		900x750	75	600 MIN	2100	88.9x3.2 CHS	675x675x950	NO
TS19 06	616		900	N/A	600 MIN	2100	76.1x3.2 CHS	525x525x950	YES - TYPE A LED
TS19 07	616		900	N/A	600 MIN	2100	76.1x3.2 CHS	525x525x950	YES - TYPE A LED
TS19 08	958v		1155x1120	75	600 MIN	2100	88.9x4.0 CHS	675x675x1020	NO
TS19 09	557.1		600x800	N/A	600 MIN	ABOVE TS19 13	SAME AS TS19 13	SAME AS TS19 13	NO
TS19 10	959v		1155x630	75	600 MIN	2100	76.1x3.2 CHS	525x525x880	NO
TS19 11	811		700x800	100	600 MIN	ABOVE TS19 12	SAME AS TS19 12	SAME AS TS19 12	NO
TS19 12	811.1		875x485	82.5	600 MIN	2100	76.1x3.2 CHS	525x525x965	NO
TS19 13	572		605x290	50	600 MIN	2100	76.1x3.2 CHS	525x525x965	NO
TS19 16	670-50		900	N/A	600 MIN	BACK TO BACK WITH TS19 06	SAME AS TS19 06	SAME AS TS19 06	YES - TYPE A LED
TS19 17	670-50		900	N/A	600 MIN	BACK TO BACK WITH TS19 07	SAME AS TS19 07	SAME AS TS19 07	YES - TYPE A LED



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Any hazards, that would not be foreseen by a reasonably competent contractor, have been identified by the designer below.

- WORKING NEAR LIVE TRAFFIC
- EXCAVATING NEAR LIVE SURFACES
- LIVE OVERHEAD LINES

- NOTES**
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20mm AC6 DENSE SURF 100/150 (EXCLUDING LIMESTONE)
60mm AC20 DENSE BBN 100/150
REGULATING TYPE 1 SUB BASE (120mm)

rev	description	date	drawn	chk	app
001	ISSUED FOR APPROVAL	19.06.2013	D.J.W	J.B	C.H



Urban Vision Partnership Ltd, Emerson House, Albert Street, Eccles, Manchester, M30 0TE. T 0161 779 4800

client
TIGM

project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 19 OF 29

approval status	date
<input type="radio"/> Feasibility / Sketch	01/10/2009
<input type="radio"/> Design	F.J.T
<input type="radio"/> Tender	checked M.K
<input checked="" type="radio"/> Construction	approved C.H
<input type="radio"/> As Built	

project ref.
UV012735

drawing number
UV 012735 1200 TS 19

scale of A1
1:500

revision
C01

drawing location: F:\UV12735 Legh - Salford - Manchester Q1c- 2008 - JDP\Eng\Design\CS 04 Clough to Frederick\02 Drawings\Working\Traffic - Signs



Traffic Sign Schedule									
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination
TS20 01	95v		1155X630	75	600 MN	2100	76.1x3.2 CHS	525x525x680	NO
TS20 02	95v		1155X630	75	600 MN	2100	76.1x3.2 CHS	525x525x680	NO

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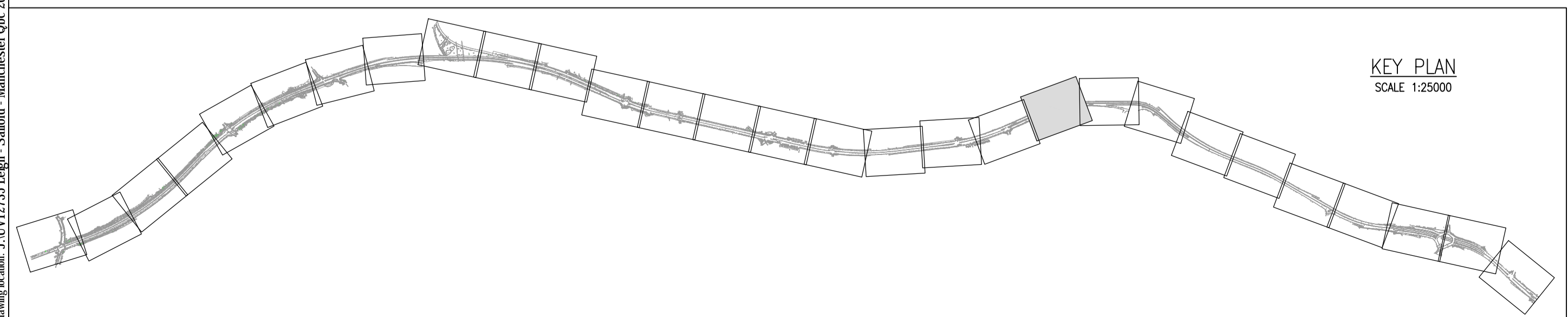
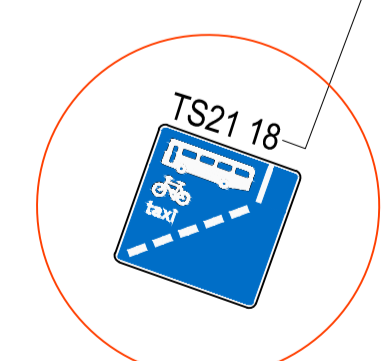
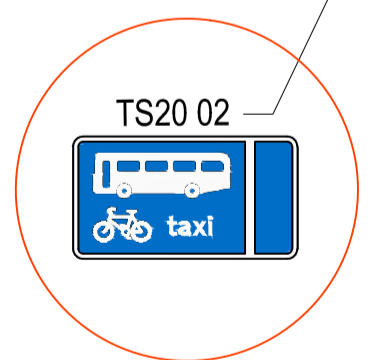
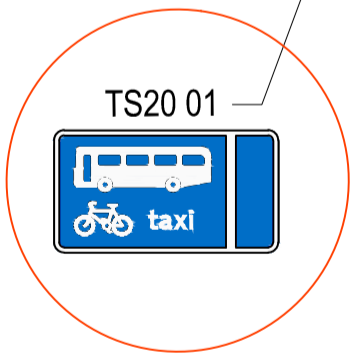
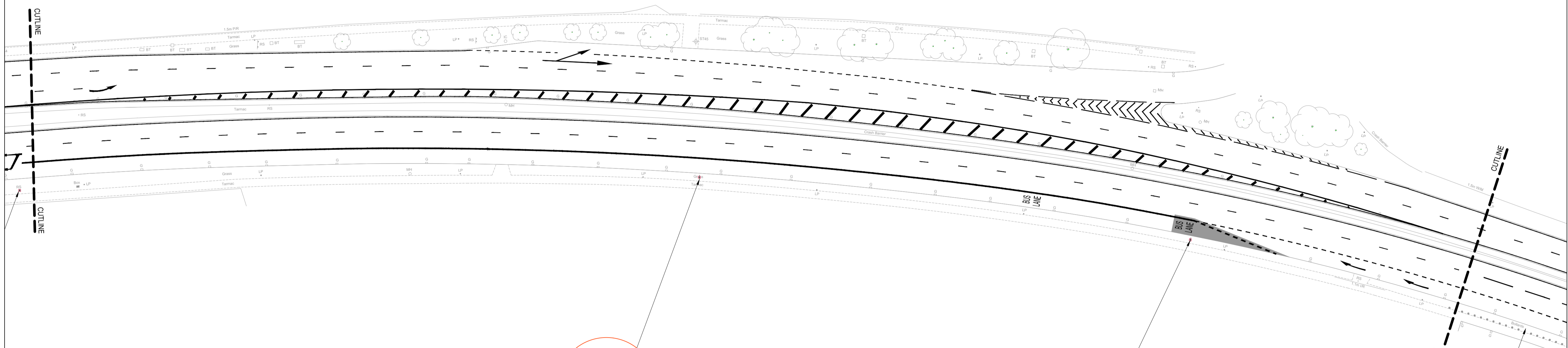
HEALTH AND SAFETY INFORMATION

Any hazards, that would not be foreseen by a reasonably competent contractor, have been identified by the designer below:

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NOTES

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60mm AC20 DENSE BBN 100/150
REGULATING TYPE 1 SUB BASE (120mm)



COI	ISSUED FOR APPROVAL	10.06.2013	D.J.W	J.E	C.H
rev	description	date	drawn	chk	app



Urban Vision Partnership Ltd, Emerson House, Albert Street, Eccles, Manchester, M30 0TE. T 0161 779 4800

client
TIGM

project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 20 OF 29

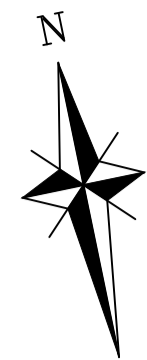
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<input type="radio"/> Feasibility / Sketch	01/10/2009
<input type="radio"/> Design	F.J.T
<input type="radio"/> Tender	checked M.K
<input checked="" type="radio"/> Construction	approved C.H
<input type="radio"/> As Built	

project ref
UV012735

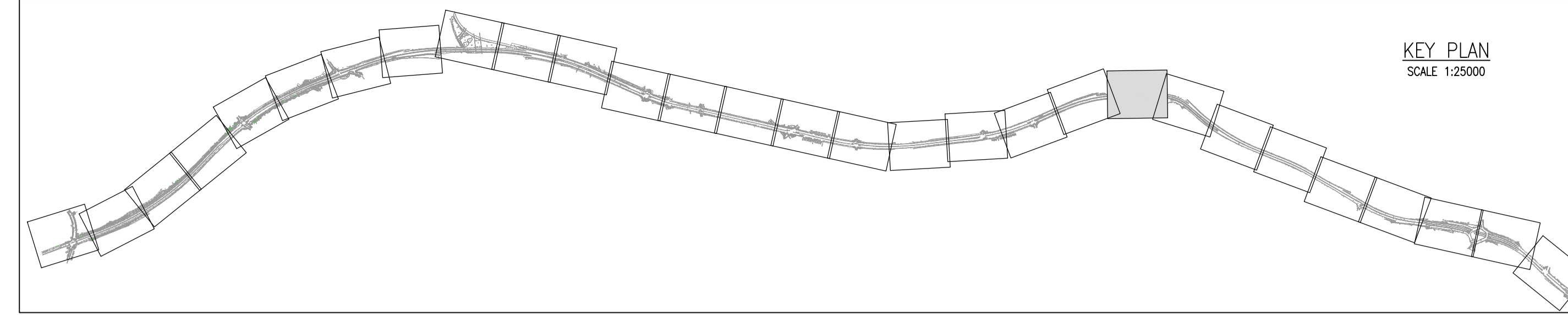
drawing number
UV 012735 1200 TS 20

scale: 1:1
1:500
revision
C01

drawing location: F:\UV\12735 Legh - Salford - Manchester Qtr 2008 - JDP\Eng\design\CS\04 Clough to Frederick\02 Drawings\Working\Traffic Signs



Traffic Sign Schedule										
Sign Reference	Diagram No.	Location	Sign Size (mm)	X Heights (mm)	Lateral Clearance (mm)	Mounting Height (mm)	Post Diameter (mm)	Foundation Size (mm)	Illumination	
TS21 01	508.1		900	N/A	600 MIN	ABOVE TS21 15	SAME AS TS21 15	SAME AS TS21 15	YES - SOLAR	
TS21 02	508.1		900	N/A	600 MIN	ABOVE TS21 02	SAME AS TS21 14	SAME AS TS21 14	YES - SOLAR	
TS21 04	509.1		750	N/A	600 MIN	ABOVE TS21 17	SAME AS TS21 17	SAME AS TS21 17	YES - TYPE A LED	
TS21 05	509.1		750	N/A	600 MIN	ABOVE TS21 16	SAME AS TS21 16	SAME AS TS21 16	YES - TYPE A LED	
TS21 07	642		750	N/A	600 MIN	ABOVE TS21 13	SAME AS TS21 13	SAME AS TS21 13	YES - TS21 08	
TS21 08	670-50		750	N/A	600 MIN	ABOVE TS21 07	SAME AS TS21 13	SAME AS TS21 13	YES - TYPE D	
TS21 09	642		750	N/A	600 MIN	ABOVE TS21 12	SAME AS TS21 12	SAME AS TS21 12	YES - BY TS21 10	
TS21 10	670-50		750	N/A	600 MIN	ABOVE TS21 09	SAME AS TS21 12	SAME AS TS21 12	YES - TYPE D	
TS21 12	570		555x360	62.5	600 MIN	2100	114.3x5 CHS	1100x100x700	YES - BY TS21 10	
TS21 13	570		555x360	62.5	600 MIN	2100	114.3x5 CHS	1100x100x700	YES - TS21 08	
TS21 14	572		985x375	50	600 MIN	2100	88.9x4.0 CHS	675x675x1020	SAME AS TS21 02	
TS21 15	572		985x375	50	600 MIN	2100	88.9x4.0 CHS	675x675x1020	SAME AS TS21 01	
TS21 16	572		735x280	50	600 MIN	2100	88.9x4.0 CHS	675x675x1020	SAME AS TS21 05	
TS21 17	572		735x280	50	600 MIN	2100	88.9x4.0 CHS	675x675x1020	SAME AS TS21 04	
TS21 18	958v		1155x1120	75	600 MIN	2100	88.9x4.0 CHS	675x675x1020	NO	



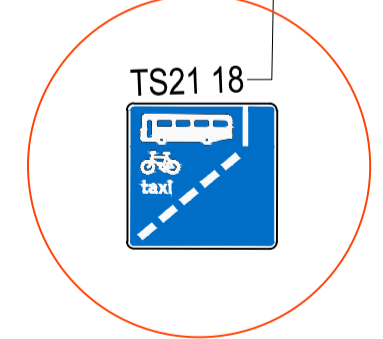
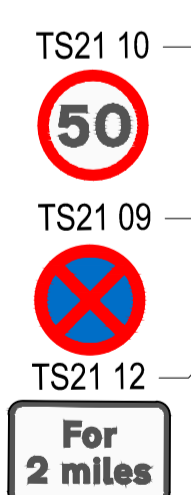
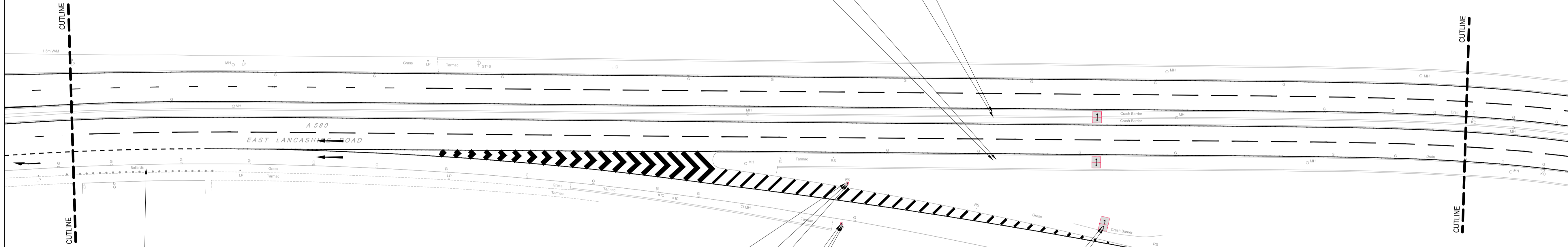
KEY PLAN
SCALE 1:25000

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REGULATING TYPE 1 SUB BASE (120mm)



COI	ISSUED FOR APPROVAL	19.06.2013	D.J.W	J.B	C.H
rev	description	date	drawn	chk	app



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client
TIGM

project
LSM CROSS CITY WORKS PACKAGE - OLD CLOUGH LANE TO FREDERICK ROAD

drawing
TRAFFIC SIGNS - SHEET 21 OF 29

approval status	date
○ Feasibility / Sketch	01/10/2009
○ Design	F.J.T
○ Tender	checked M.K
⊗ Construction	approved C.H
○ As Built	

project ref: UV012735 scale: A1
drawing number: UV 012735 1200 TS 21 I:500
revision: C01

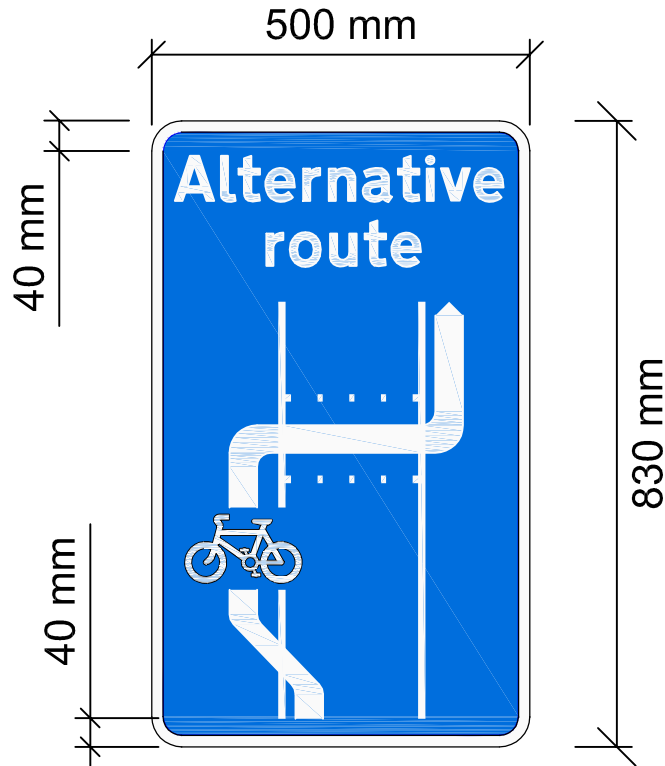
www.urbanvision.org.uk

drawing location: F:\UV\12735 Legh - Salford - Manchester Qtr 2008 - JDP\Eng\Design\CS DM Change to Frederick\02 Drawings\Working\Traffic Signs



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HEALTH AND SAFETY INFORMATION

Hazards, that would not have been foreseen by a reasonably competent contractor, have been identified by the designer.



Scheme Ref. A580 Bus Priority Scheme			
Sign	Ref. 2601.2v non-	prescribed	x-height 60
Letter colour	WHITE		SIGN FACE
Background	BLUE		Width 500mm
Border	WHITE		Height 830mm
Material	Class RA2 (12899-1:2007)		Area 0.415sq.m

rev	description	date	drawn	chk	app
 					
Urban Vision Partnership Ltd, Emerson House, Albert Street, Eccles, Manchester, M30 0TE. T 0161 779 4800					
client					
TIGM					
project					
A580 BUS PRIORITY SCHEME - LSM					
drawing					
SIGN REF TS 7 24					
approval status					
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<input checked="" type="radio"/>	Design	drawn	DUW		
<input type="radio"/>	Tender	checked	AK		
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project ref.					
UV 012735					
scale @ A4					
NTS					
drawing number					
UV 012735 - TS 7 24					
revision					
A					
www.urbanvision.org.uk					