## Sheffield City Council - Traffic Signals Standard Details

## **List of Standard Details**

- TS-SD-1.2A Signal Head Type Numbers
- TS-SD-1.4B Minimum Clearances to Signal Heads, PBU/PDUs
- TS-SD-1.8C Bracket Layout for Single Pole Puffin
- TS-SD-2.5B Stop Lines ASLs Stop Line Loops Setting Out Details
- TS-SD-3.15B 4M Traffic Signal Pole Detail with NAL Connector Unit
- TS-SD-5.1A Duct Details
- TS-SD-5.2 Modular Cable Boxes
- TS-SD-7.1B Loop Detector Configuration Detail
- TS-SD-7.2A Details of Detector Cable In Slot
- TS-SD-7.3B Additional Loop Setting Out Information
- TS-SD-7.5B N+1 Count (2+3 Lane Carriageway)





## NOTES

1. All signal heads shall be fitted with appropriate heads and backing boards. The head type shall be indicated on the scheme drawing using the suffix P (primary) and S (secondary).

- 2. If louvres are required, these may be either HL (horizontal) or VL (vertical), they will be detailed on the scheme drawing.
- 3. If rotating tactile units are to be installed in a push button unit, this shall be indicated on the scheme drawing by the suffix T (tactile).





	В	frame. Pedestrian & PBU mounting heights added.	KD	SMT	09-12-15	
	Rev	Revision details	Chkd	Appd	Date	
	Desi	gned: S.J.S		Date:	09-12-15	
	Drav	vn: S.J.S		Date:	09-12-15	
between 35/37 & 36 units	Cheo	Checked: K.D			09-12-15	
T	Appr	roved: S.M.T		Date:	09-12-15	
entre of button sround Level 5 +/- 25	Clier www.ar	ney.co.uk		Copyr	ight © Amey	
bunting heights	Proje Sh	ect Name Ieffield Stree	ets A	٩he	ad	
	Drawing Title Standard Detail Minimum Clearances T Signal Heads, PBU/PD					
	Original Drg Size : A3 Scale : N.T.S Dimensions :					
	Drav	ving Status			Suitability	
	Draw	ving No S-SD-1.4			Revision B	

New drawing



С	New drawing	KD	SMT	09-12-15			
Rev	Trame Revision details	Chkd	Appd	Date			
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Desi	gned: S.J.S		Date:	09-12-15			
Drav	vn: S.J.S		Date:	09-12-15			
Che	cked: K.D		Date:	09-12-15			
Appr	oved: S.M.T		Date:	09-12-15			
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в	New drawing frame.	KD	SMT	09-12-15			
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Clier www.ar	Client Client www.amey.co.uk www.amey.co.uk						
Proje Sh	Project Name Sheffield Streets Ahead						
Drav Sta Ste Lo	Drawing Title Standard Detail Stoplines-ASLs- Stop Line Loops Setting Out Details						
Original Drg Size : A3 Scale : Dimensions :							
Drav	ving Status			Suitability			
Drav	ving No S-SD-2.5			Revision B			





A New drawing KD ISMT 09-12-15 frame Rev Revision details Chkd Appd Date Designed: S.J.S Date: 09-12-15 Drawn: S.J.S Date: 09-12-15 Checked: K.D Date: 09-12-15 Approved: S.M.T Date: 09-12-15 Client amey Copyright OAm w.amev.co.uk Project Name Sheffield Streets Ahead Drawing Title Standard Detail **Duct Details** Original Drg Size : A3 Scale : N.T.S Dimensions Drawing Status Suitability Drawing No Revisior **TS-SD-5.1** А

NOTES

- i. Sides of boxes NOT to be made up from different size panels (i.e. a 750 box NOT to be made from a 300 and 450 sections).
- ii. All dimensions in millimetres
- iii. The number of incoming carriageway and footway ducts will be shown on the scheme drawings.
- iv. Step irons to be placed in accordance with BS 1917 and manufactured in accordance with BS 13101 (on chambers exceeding 1m in depth)
- v. Frames and covers are to comply with BS EN124 and be suitable for the environment in which they are to be used. (Class B125 for footpaths and Class C250/D400 for carriageways depending on proposed loading)
- vi. Bracing to be used during construction of the chamber where required.
- vii. Ducts entering the chambers are to be cut flush with the side of the chamber.
- viii. Any gaps surrounding the duct and chamber wall are to be filled with mortar or expanding foam, if expanding foam is used this is to be cut flush with the side of the chamber.











Cut outs / knock outs either located in set positions or can be drilled to suit.

Panels to construct boxes manufactured in a variety of sizes to suit required internal dimensions.

Please refer to manufacturer's specifications for exact dimensions.





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for more information)

Plan view of box section



Cross section through box



 $\mathbf{1}$ 

Cover and frame to be manufacturer's specifications to be submitted for approva

Concrete or backfill, refer to manufacturer specifications for type and dimensions

Single section of chamber to be installed below the lowest section containing a duc entry.

All boxes to have a concrete base min 150

	Rev	Revision details	Chkd	Appd	Date
al.	Designed: JB Date: 11/09/15				
	Drawn: JB			Date:	11/09/15
	Che	cked: KD/SS		Date:	11/09/15
	Approved: SMT Dat			Date:	11/09/15
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	Dime	ensions : -			
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8. Mova IN or X Loop



5. SCOOT Loop For 2 Way Carriageway (approach may be marked as two lanes)



Preferred 1100

7. Uni - Directional Loops

Distance from stop line to loop (pt D)						
Z Y X Speed Descrimination						
12m	25m	39m	79m			
7m	18m	30m	-			
6m	-	18m	-			

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Stop Line

6. Measured Distance To Loop Pt D

100



NOTES 1. All dimensions in millimetres

2. All Dimensions ± 20mm

Standard (	Config	Speed	Disc	Presenc	e Loo
Loop Perimeter	No. of Turns	Loop Perimeter	No. of Turns	Loop Perimeter	No. Turi
< 8m	3	all	3	< 8m	3
> 8m	2	_	-	> 8m	2

1400

<u>↓500</u> -3000 1500

9. Mova Stop Line Loop

В	New drawing	KD	SMT	09-12-15			
	frame						
Rev	Revision details	Chkd	Appd	Date			
Des	igned: S.J.S		Date:	09-12-15			
Drav	wn: S.J.S		Date:	09-12-15			
Che	cked: K.D		Date:	09-12-15			
Арр	roved: S.M.T		Date:	09-12-15			
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~`	Ingulation		an				
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	S-SD-7.1			В			





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Rev	Revision details	Chkd	Appd	Date			
Designed: S.J.S Date: 09-12-15   Drawn: S.J.S Date: 09-12-15   Checked: K.D Date: 09-12-15   Approved: S.M.T Date: 09-12-15							
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	Desi		Shiku	Date:	00_12_15			
	Drav	vn: S.J.S		Date:	09-12-15			
	Che	cked: K.D		Date:	09-12-15			
	Appr	oved: S.M.T		Date:	09-12-15			
	www.amey.co.uk							
	Project Name Sheffield Streets Ahead							
OTWAY								
	Drawing Title Standard Details Additional Loop Setting Out Information							
	Origi	inal Drg Size : A3	Scale :					
	Dime	ensions :						
	Drav	ving Status			Suitability			
	Drav	ving No S-SD-7.3			Revision B			

