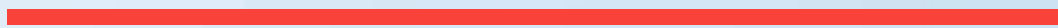
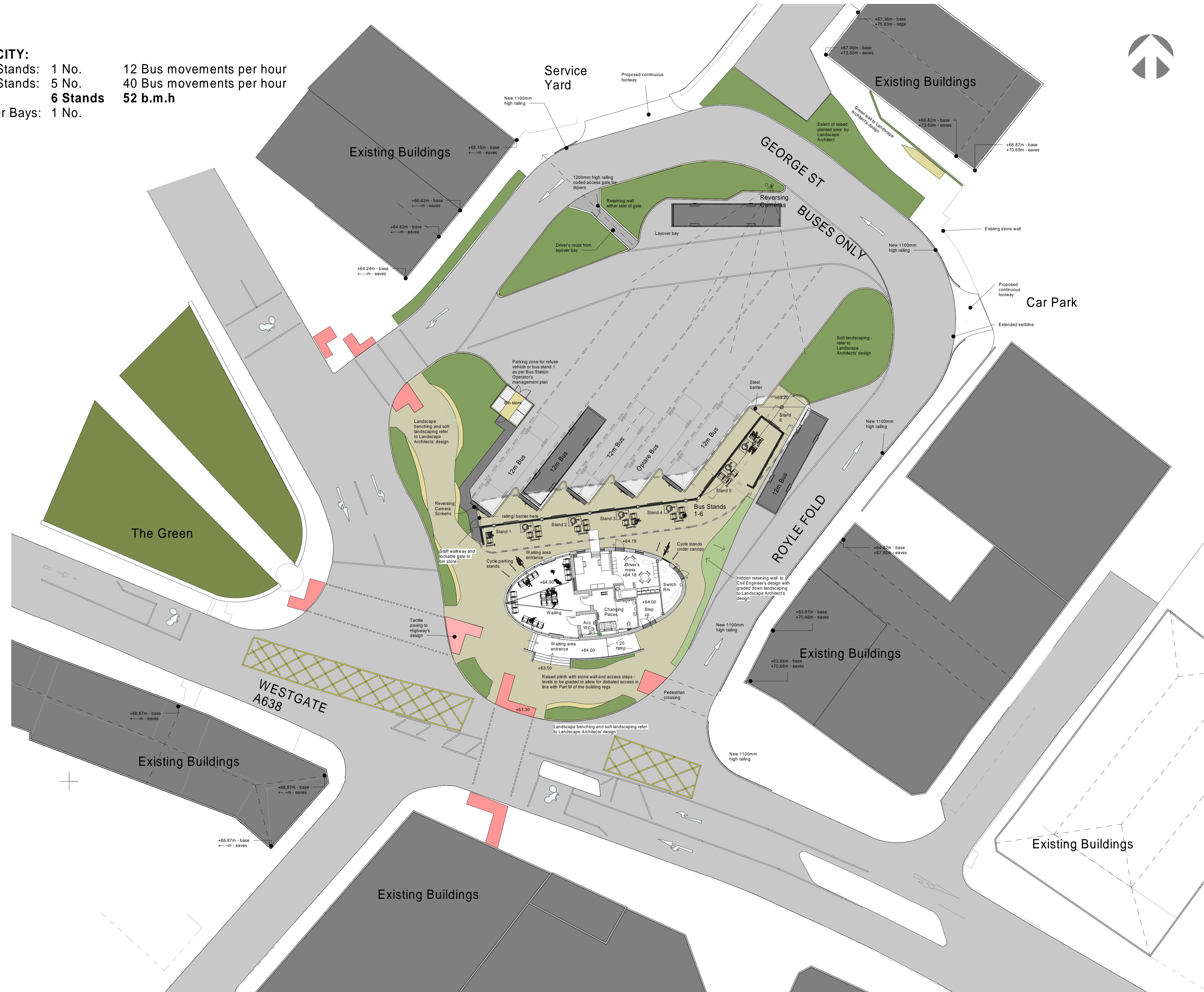


# Appendix A

## SITE LAYOUT



**CAPACITY:**  
 DIDO Stands: 1 No. 12 Bus movements per hour  
 DIRO Stands: 5 No. 40 Bus movements per hour  
**Total: 6 Stands 52 b.m.h**  
 Layover Bays: 1 No.



Rev	Date	By	Description
P1	25/06/21	DM	Drawing/ job number revised. Changes to Pod waiting area include development of glass canopy to pod. Retail area removed and Driver's mess, office and server room added. Bus Stand Canopy simplified.
P2	13/07/21	DM	Cycle stands revised. Fire exit door added to Driver's mess room. Car Parking bays removed. Digital information display boards added to the plan and model. External landscaping incorporated from WSP. Green roof shown on pod building. Foot access ladder route added.
P3	20/07/21	DM	FFLs added to Pod. Cycle stand position updated. Raised plinth with stone wall, handrails etc added. Plinth design altered. FFL to Pod revised.
P4	27/07/21	DM	Bin store repositioned and reconfigured with staff walkway. Driver's access gate altered. Raising added to north of site. Changes in response to KC comments 13/09/21.
P5	14/10/21	DM	Offset of new ratings amended. External plinth enclosure added to bin store.
P6	16/12/21	DM	Changes to plan include omission of south west ramp, step in FFLs and omission of Amica office door in line with revised proposed levels. Prop. Footways extended over service yard and dental car park opening.
P7	30/03/2022	DM	
P8	23/06/22	DM	



**SGP**  
 Architects + Masterplanners

Prologis House,  
 Blythe Gate,  
 Blythe Valley Park,  
 Solihull, B90 8AH

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www.stephengearge.co.uk

Heckmondwike Bus Station  
 Royle Fold  
 Heckmondwike WF16 0HR

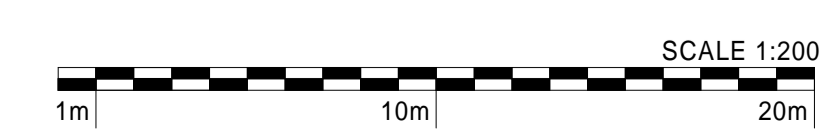
Drawing Name:  
 Proposed Site Plan

Drawing Stage: **PLANNING SUBMISSION**  
 Status: **S2 - For Information**

SGP File Ref: 20233-03-SGP-HEK-ZZ-M3-A-022002  
 20-233-003 06/22/21 DM Leeds 1:200 @ A1 P8  
 SGP Project No: Date: Drawn: Team: Scale: Rev:

Drawing Number:  
 20233 - SGP - HEK-ZZ-DR-A - 021001  
 Project Code Originator Volume Level Type Role Number

Existing surrounding building heights based on current Google Earth Pro information



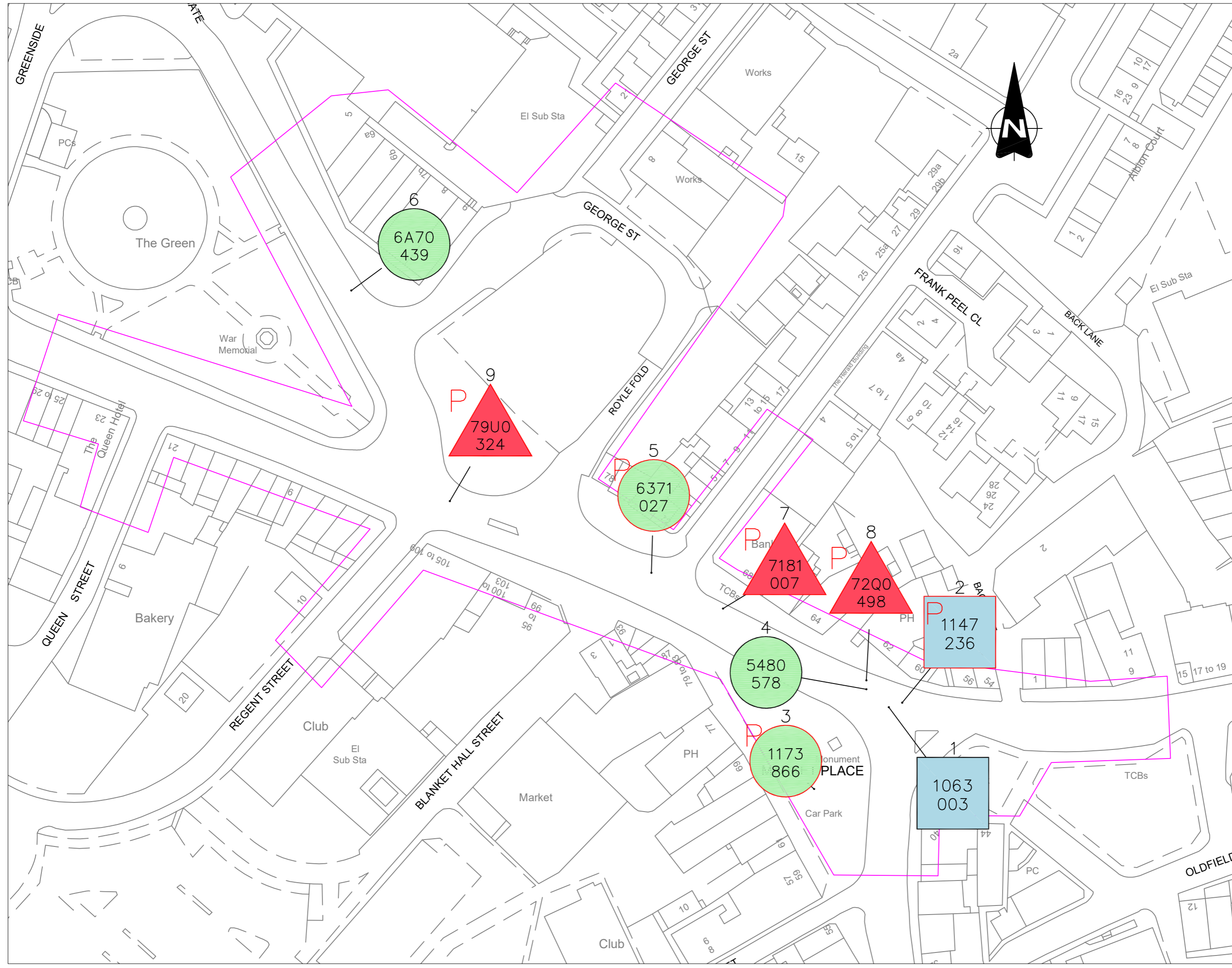
1 Planning Site Plan  
 1:200

Red Line Boundary based on O/S Data and NOT confirmed as the Legal Boundary  
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# Appendix B

## **PERSONAL INJURY COLLISION DATA**





Heckmondwike Bus Hub Area - 01-01-2017 to & including 12-05-2022

**1063003**      SERIOUS    421591/423460      05/07/2021    21:45  
**LOCATION**      HIGH STREET (A638) AT JUNCTION WITH MARKET STREET (B6117)  
**DESCRIPTION**    Vehicle 1 is a small van which is travelling from Oldfield Lane, Heckmondwike onto Market Street. Vehicle 1 travels to the junction with Beck Lane where he intends to turn right into the junction. As vehicle 1 turns he notices vehicle 2 which is a car overtaking him on his offside at speed. Contact is made between vehicle 1 and vehicle 2 causing minor damage to vehicle 1. VEHICLE 2 continues a short distance up the street before it leaves the carriageway to the nearside and collides with a shop front causing extensive damage to the vehicle, extensive damage to the shop and serious injury to the driver and passenger

VEHICLES	DRIVER	CASUALTIES			VEH	SEX	AGE
1 Van/Goods < 3.5t	Male	34	1	Driver/Rider	SLIGHT	1 Male	34
2 Car	Male	25	2	Driver/Rider	SERIOUS	2 Male	25
			3	Passenger	SERIOUS	2 Male	20

**1147236**      SERIOUS    421594/423461      24/02/2022    18:24  
**LOCATION**      HIGH STREET (A638) AT JUNCTION WITH MARKET STREET (B6117)  
**DESCRIPTION**    Single vehicle and pedestrian collision. V1 is travelling down High Street towards the junction with Market Place. The pedestrian is in the central refuge area which separates High Street, Market Place and Westgate. The pedestrian steps out into the carriageway from the refuge, onto High Street. The pedestrian is struck by V1 on its nearside, possibly by the wing mirror and is knocked to the ground. V1 does not stop and leaves the collision scene driving on Westgate.

VEHICLES	DRIVER	CASUALTIES			VEH	SEX	AGE
1 Car	Not known	Unk	1	Pedestrian	SERIOUS	1 Male	24

**1173866**      SLIGHT    421573/423443      07/05/2022    14:58  
**LOCATION**      MARKET STREET  
**DESCRIPTION**    This is a vehicle verses pedestrian RTC, location is a small car park, Market Place, Heckmondwike. V1 has been reversing into an empty car parking bay, at the same time the pedestrian is walking behind the parking bay and is struck by V1 causing him to be knocked to the floor sustaining minor injuries. Minor injuries sustained. Details exchanged.

VEHICLES	DRIVER	CASUALTIES			VEH	SEX	AGE
1 Car	Male	49	1	Pedestrian	SLIGHT	1 Male	61

**5480578**      SLIGHT    421586/423464      08/04/2018    10:18  
**LOCATION**      Junction of A638 Westgate and B6117 Market Street  
**DESCRIPTION**    I did not attend this collision and my only involvement is the completion of the stats 19. The circumstances of this collision are taken from the attending officers report. The two motorcycles have been travelling together along the A638 in HECKMONDWIKE towards DEWSBURY, at the traffic lights at the junction of B6117 vehicle 2 has stopped at the red signal, vehicle 1 was late to brake and has collided with vehicle 2 on the right hand side causing riders of both motorcycles to fall off, the rider of vehicle 2 suffered no injury, the rider of vehicle 1 was briefly trapped under his motorcycle causing bruising and cuts to his leg. Confirmed at HRI slight injury only.

VEHICLES	DRIVER	CASUALTIES			VEH	SEX	AGE
1 M/cycle 50 - 125cc	Male	50	1	Driver/Rider	SLIGHT	1 Male	50
2 M/cycle > 500cc	Male	61					

**6371027**      SLIGHT    421538/423490      07/03/2019    15:24  
**LOCATION**      Junction of A638 Westgate and Cemetery Road  
**DESCRIPTION**    VEH1 WAS TRAVELLING ALONG WESTGATE TOWARDS HALIFAX ROAD. IP WAS CROSSING ROAD BETWEEN STANDING TRAFFIC AND RAN OUT INTO PATH OF VEH1 GIVING VEH1 NO TIME TO REACT OR AVOID COLLISION. IP COLLIDED WITH F/O/S OF VEH1 CAUSING MINOR BRUISING AND SCRATCHES.

VEHICLES	DRIVER	CASUALTIES			VEH	SEX	AGE
1 Car	Male	74	1	Pedestrian	SLIGHT	1 Male	13

Heckmondwike Bus Hub Area - 01-01-2017 to & including 12-05-2022

**6A70439** SLIGHT 421471/423553 07/10/2019 10:25  
**LOCATION** Northgate, Heckmondwike  
**DESCRIPTION** Sir I did not witness this collision, The rider of Vehicle 1 has been travelling along Northgate in the direction towards Westgate, and has managed to fall of his scooter and land on the floor causing a injury to his right shoulder.

VEHICLES	DRIVER	CASUALTIES	VEH SEX	AGE
1 M/cycle 50 - 125cc	Male	27 1 Driver/Rider	SLIGHT 1 Male	27

**7181007** FATAL 421554/423482 08/01/2020 15:45  
**LOCATION** A638 Westgate  
**DESCRIPTION** This is a fatal road traffic collision involving one vehicle and one pedestrian. The collision occurred on the A638 Westgate in the centre of Heckmondwike. The road is a single carriageway through a town centre and is the main route between Cleckheaton and Dewsbury. At the time the weather was fine and dry and traffic was busy. Vehicle 1 is a rigid back LGV which is stopped in queuing traffic heading towards Dewsbury. The pedestrian is an 82 year old male. The pedestrian has crossed from vehicle 1's offside crossing one side of the carriageway and reaching an island in the centre of the road. The pedestrian has crossed the further carriageway under the front of vehicle 1. Vehicle 1 has set off as the traffic in front travelled through a set of traffic lights. Vehicle 1 has struck the pedestrian to its nearside. The pedestrian has suffered fatal injuries as a result of being struck by vehicle 1.

VEHICLES	DRIVER	CASUALTIES	VEH SEX	AGE
1 Goods > 7.5t	Male	36 1 Pedestrian	FATAL 1 Male	82

**72O0498** FATAL 421586/423466 26/02/2020 11:05  
**LOCATION** Junction of A638 Westgate and B6177 Market Street  
**DESCRIPTION** This is a fatal collision involving a LGV articulated vehicle and a pedestrian. The collision occurred on a busy road in the centre of Heckmondwike. The location is the junction Westgate and Market Street which is a T junction controlled by automatic traffic lights which include a pedestrian phase. On approach to the junction from Cleckheaton there are 3 lanes, left lane for straight on, middle lane for right turn only and the right lane for traffic travelling in the opposite direction. The vehicle was in the middle lane intending to turn right in market street, the pedestrian has crossed from the drivers nearside whilst the vehicle was stationary/waiting in traffic. The pedestrian walked in front of the vehicle just as it set off and has been knocked over and the vehicle has travelled over her in its entirety before mop's were able to alert the driver. The pedestrian has been left in lane two where she was pronounced dead at the scene. The traffic light phase was green for the vehicle

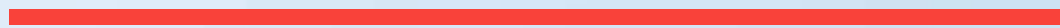
VEHICLES	DRIVER	CASUALTIES	VEH SEX	AGE
1 Goods > 7.5t	Male	56 1 Pedestrian	FATAL 1 Female	69

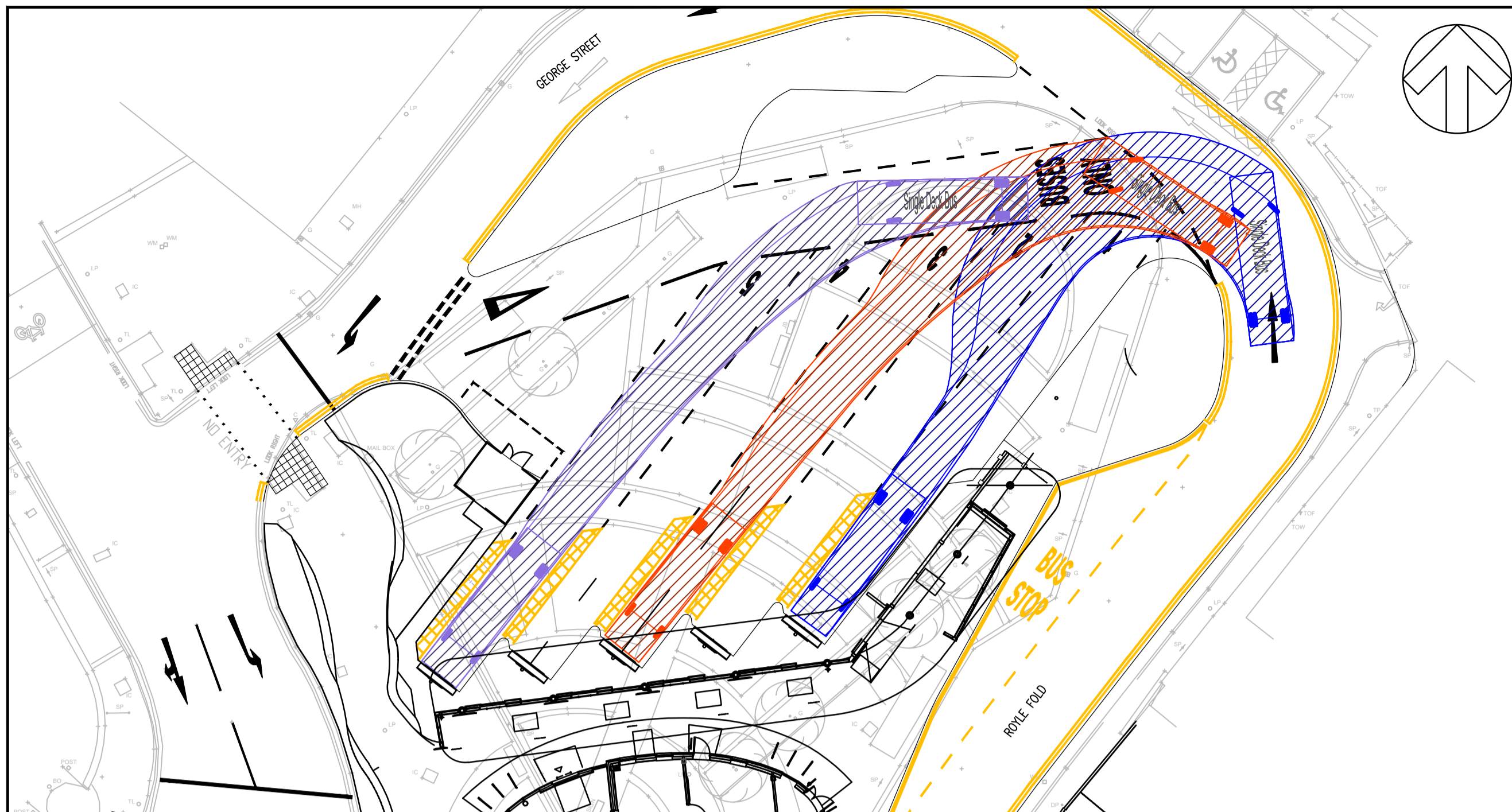
**79U0324** FATAL 421493/423506 30/09/2020 08:31  
**LOCATION** Junction of West Gate and Market Street  
**DESCRIPTION** V001 has been stationary in queued traffic on West Gate, Heckmondwike generally heading towards Dewsbury. C001 has crossed the road from V001 left to right, passing directly in front of V001. V001 has set off as traffic began to move forwards, running down C001 and dragging him approx. 30 metres along West Gate road surface causing fatal injuries.

VEHICLES	DRIVER	CASUALTIES	VEH SEX	AGE
1 Goods > 7.5t	Male	62 1 Pedestrian	FATAL 1 Male	71

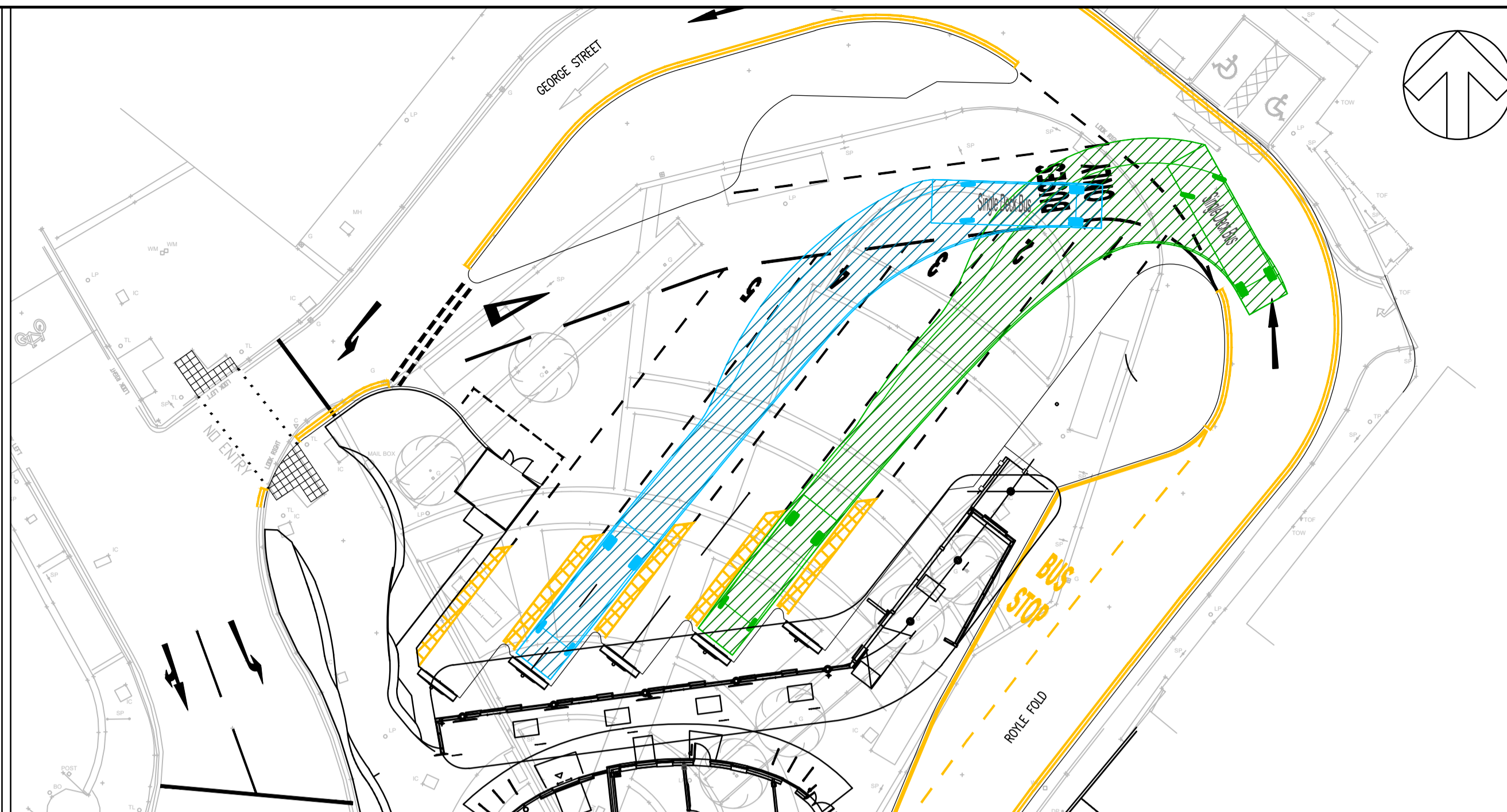
# Appendix C

## **SWEPT PATH ANALYSIS**

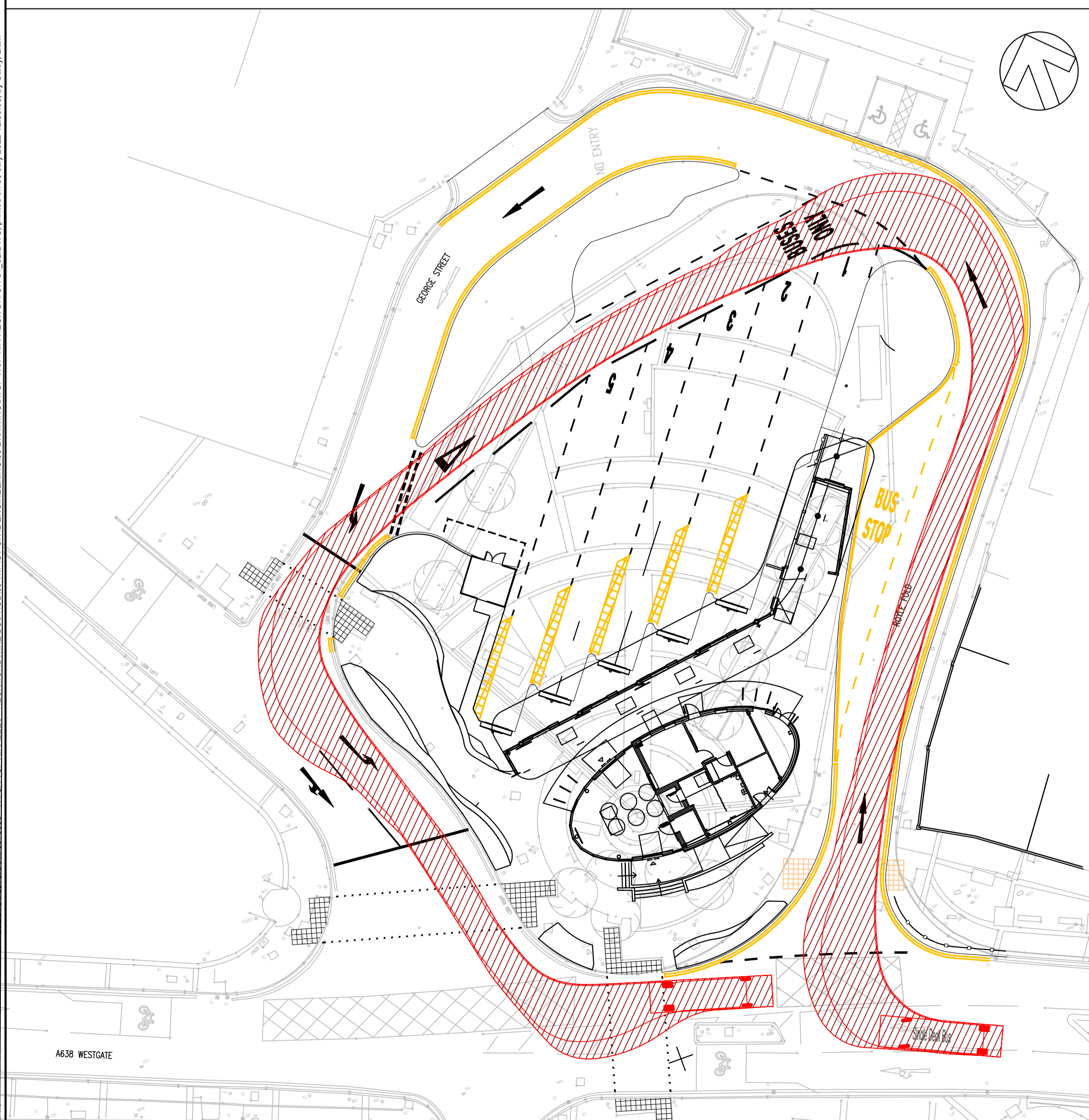




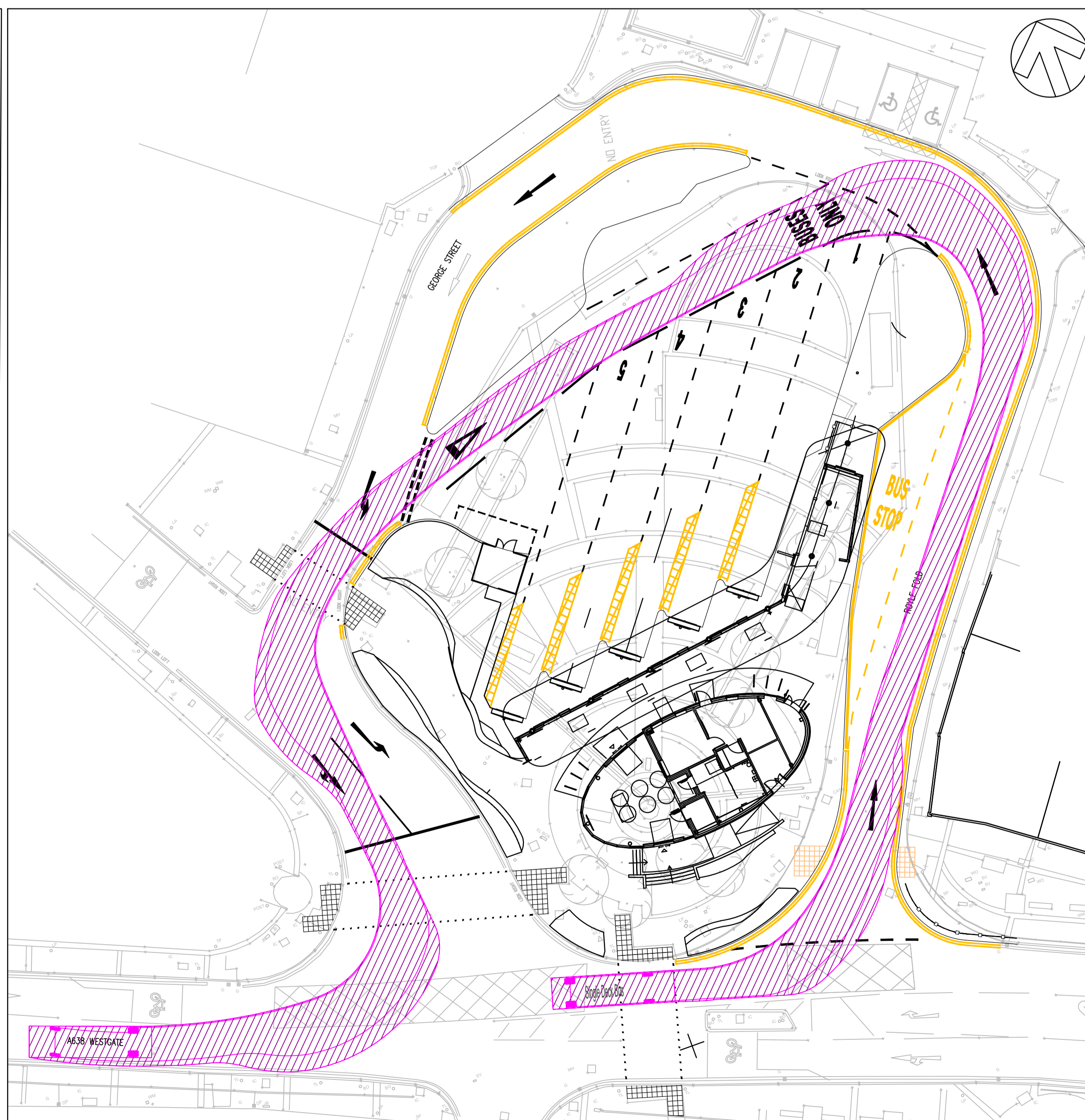
SINGLE DECKER BUS ACCESSING BAYS 1, 3 & 5



SINGLE DECKER BUS ACCESSING BAYS 2 & 4



SINGLE DECKER BUS RIGHT IN TO BUS STATION FROM WESTGATE



SINGLE DECKER BUS LEFT IN TO BUS STATION FROM WESTGATE

**DO NOT SCALE**

**NOTES**

- ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED.
- ALL LEVELS SHOWN IN METRES ABOVE DATUM (mAOD) UNLESS OTHERWISE STATED.
- TOPOGRAPHICAL SURVEY PRODUCED BY SGP ARCHITECTS & MASTERPLANNERS WITH DATA COLLECTED DECEMBER 2020.
- CONFLICTING INFORMATION SHOWN ON ENGINEERS DRAWINGS OR DISCREPANCIES BETWEEN THE INFORMATION GIVEN BY THE ENGINEER AND THAT PROVIDED BY OTHERS MUST BE RAISED WITH THE ENGINEER.
- SITE LEVELS REMOVED FOR CLARITY

**KEY**

Single Deck Bus	
Overall Length	9.795m
Overall Width	2.500m
Overall Body Height	3.070m
Min Body Ground Clearance	0.306m
Track Width	2.322m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	10.111m

REV	DATE	BY	DESCRIPTION	CHK	APP
P03	05/07/2022	LC	KERBING ADDED INFRONT OF BOTH ACCESSES		
P02	30/03/2022	LC	UPDATED LANDSCAPING AND RAMP		
P01	27/07/2021	TC	FIRST ISSUE		

DRAWING STATUS: **S0 - WORK IN PROGRESS**

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wsp.com

CLIENT: **KIRKLEES COUNCIL**

ARCHITECT: **N/A**

SITE/PROJECT: **HECKMONDWIKE BUS HUB**

TITLE: **SINGLE DECKER BUS TRACK ANALYSIS**

SCALE @ A1:	1:250	CHECKED:	DB	APPROVED:	DB	
PROJECT NO:	70079085	DESIGNED:	CMD	DRAWN:	LC	
DRAWING NO:	TCF-WSP-KIR-HECK-DR-CH-01_02				REV:	P03

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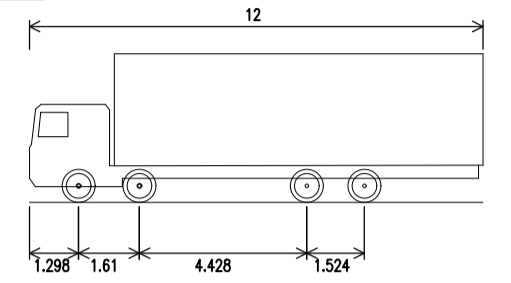
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DO NOT SCALE

NOTES

1. ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED.
2. ALL LEVELS SHOWN IN METRES ABOVE DATUM (mAOD) UNLESS OTHERWISE STATED.
3. TOPOGRAPHICAL SURVEY PRODUCED BY SGP ARCHITECTS & MASTERPLANNERS WITH DATA COLLECTED DECEMBER 2020.
4. CONFLICTING INFORMATION SHOWN ON ENGINEERS DRAWINGS OR DISCREPANCIES BETWEEN THE INFORMATION GIVEN BY THE ENGINEER AND THAT PROVIDED BY OTHERS MUST BE RAISED WITH THE ENGINEER.
5. SITE LEVELS REMOVED FOR CLARITY

KEY



Rigid Truck	
Overall Length	12.000m
Overall Width	2.500m
Overall Body Height	3.928m
Min Body Ground Clearance	0.412m
Track Width	2.471m
Lock to lock time	6.00s
Kerb to Kerb Turning Radius	11.900m

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P02	30/03/2022	LC	UPDATED LANDSCAPING AND RAMP	DB	DB
P01	23/07/2021	TC	FIRST ISSUE	DB	DB
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S2 - FOR INFORMATION

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CLIENT: KIRKLEES COUNCIL

ARCHITECT: N/A

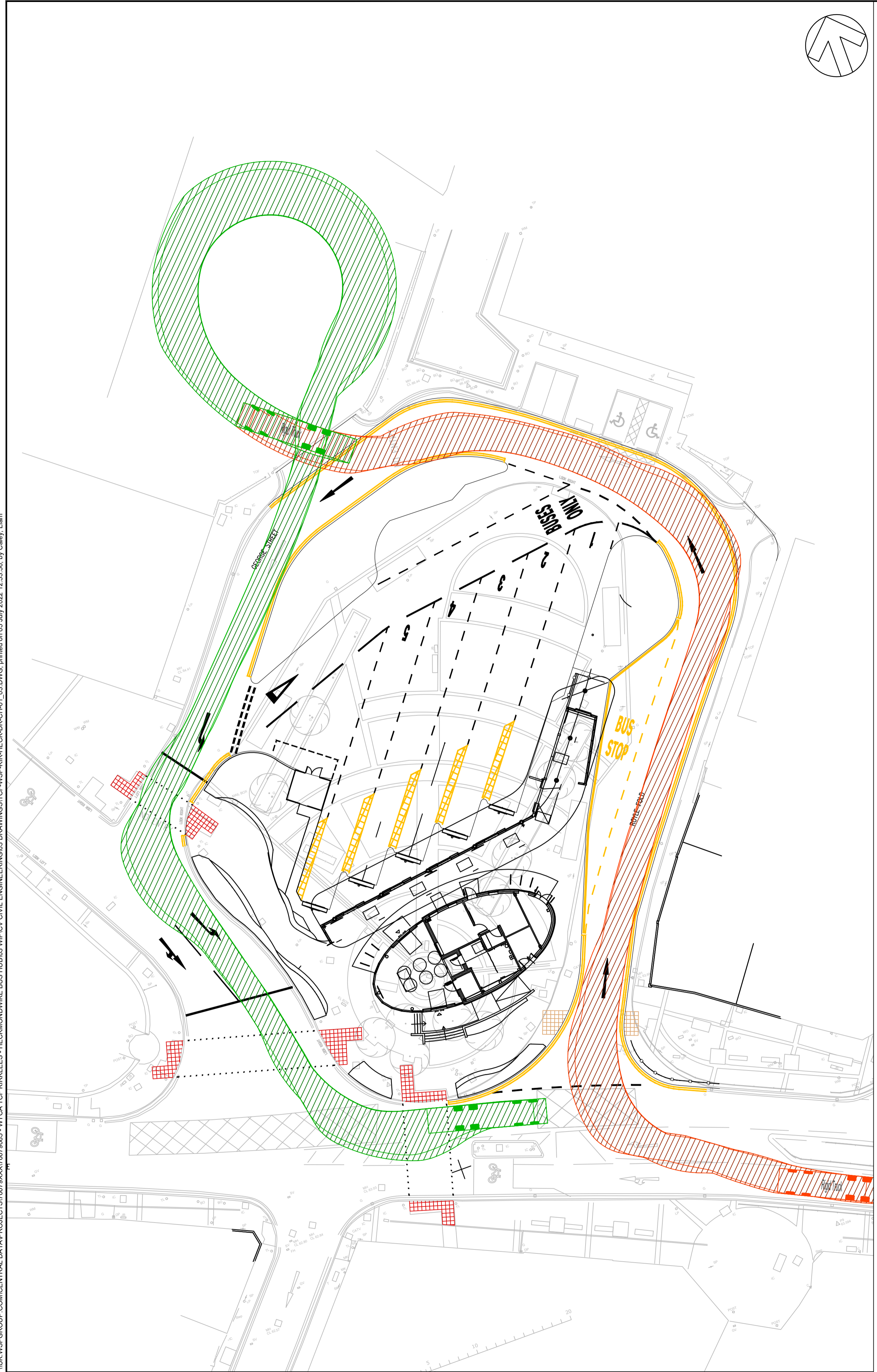
SITE/PROJECT: HECKMONDWIKE BUS HUB

TITLE: 12m RIGID TRUCK TRACK ANALYSIS

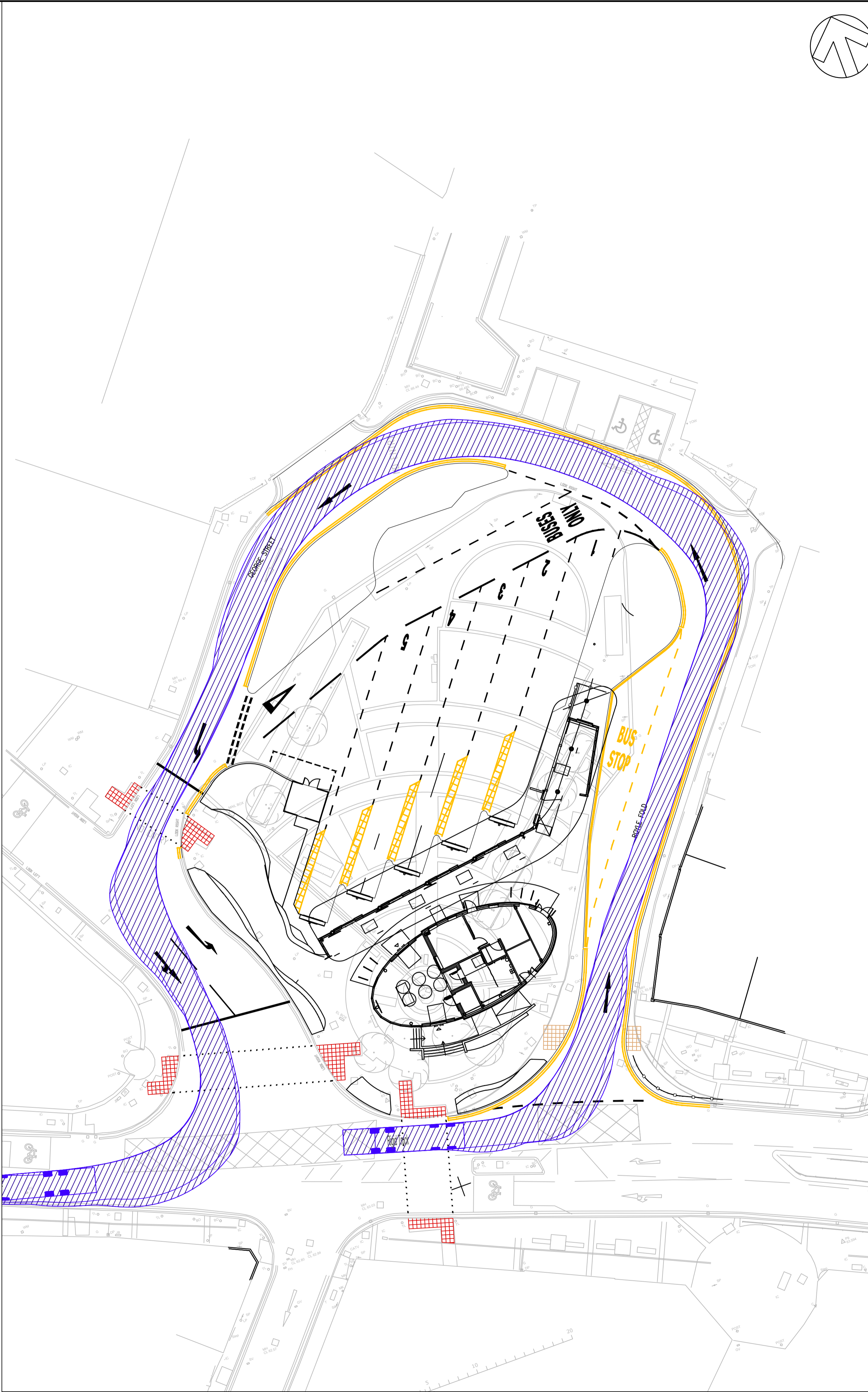
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PROJECT NO:	70079085	DESIGNED:	CMD	DRAWN:	LC
				DATE:	July 22

DRAWING NO:	TCF-WSP-KIR-HECK-DR-CH-01_03	REV:	P03
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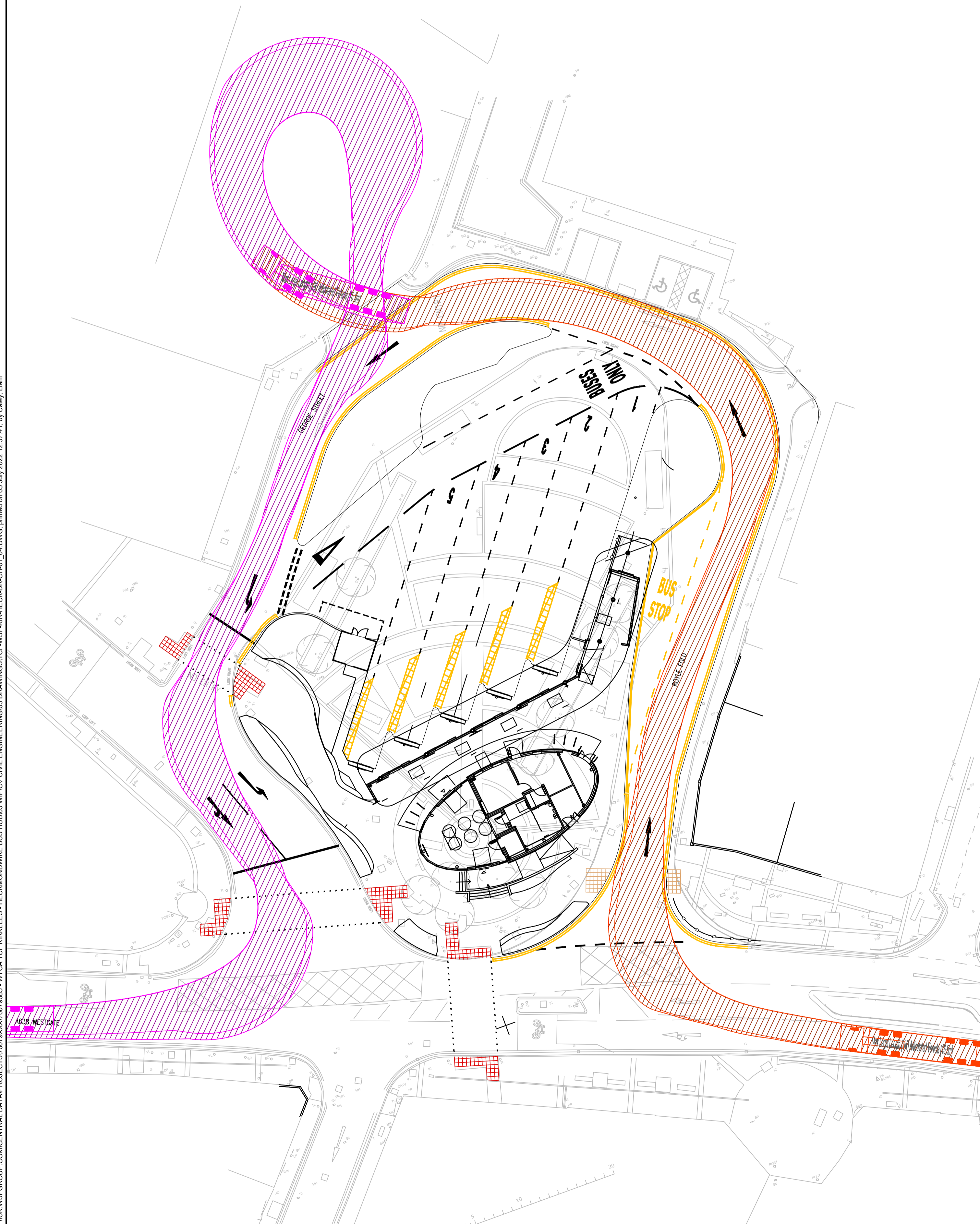
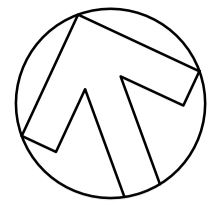


12m RIGID RIGHT IN TO BUS STATION FROM WESTGATE, USING SERVICE YARD AND EXITING LEFT ONTO WESTGATE

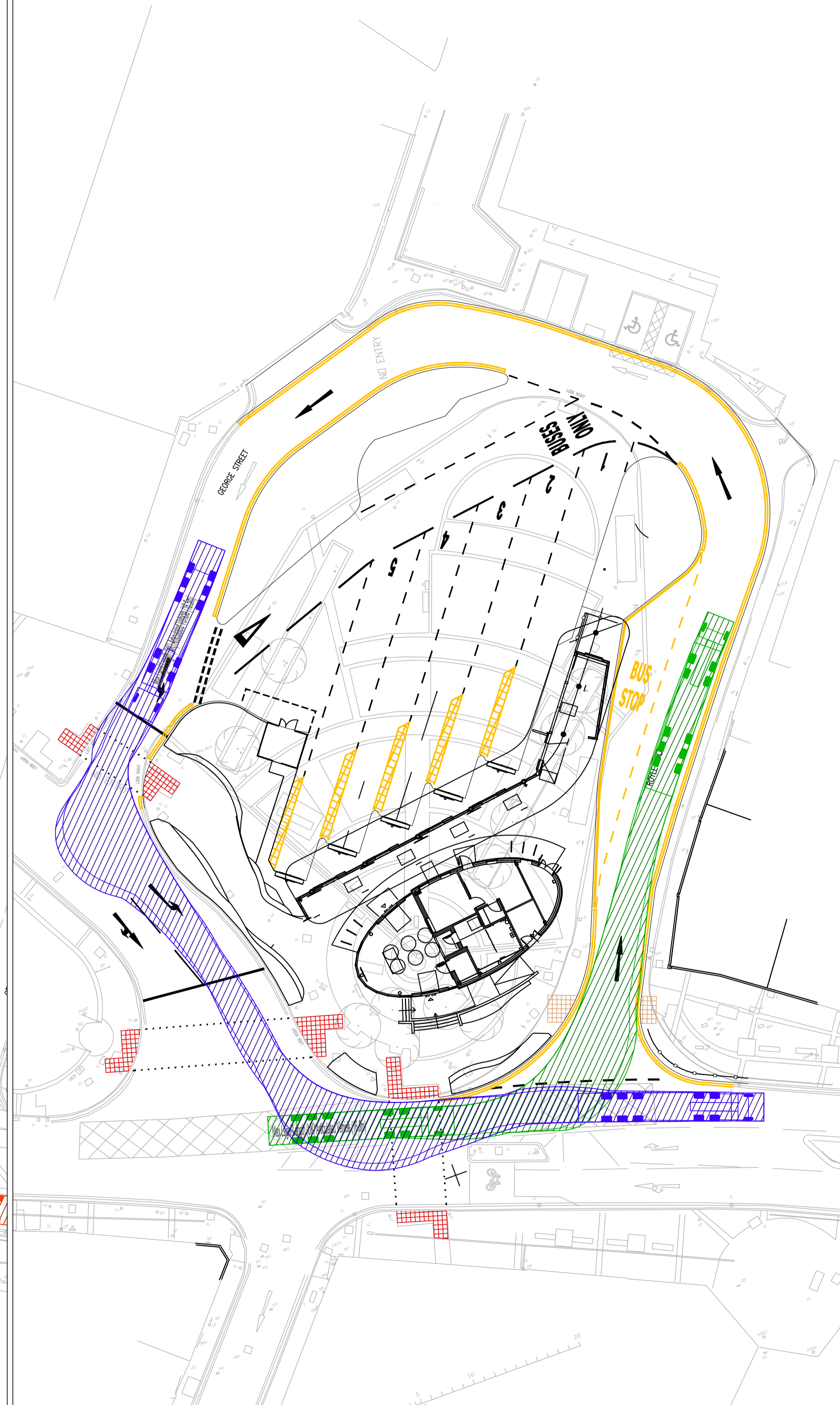
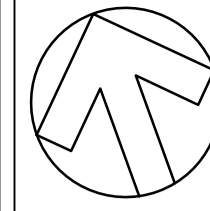


12m RIGID LEFT IN TO BUS STATION FROM WESTGATE & EXITING RIGHT ONTO WESTGATE

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16.5m ARTICULATED HGV RIGHT IN TO BUS STATION FROM WESTGATE, USING SERVICE YARD AND EXITING RIGHT ONTO WESTGATE



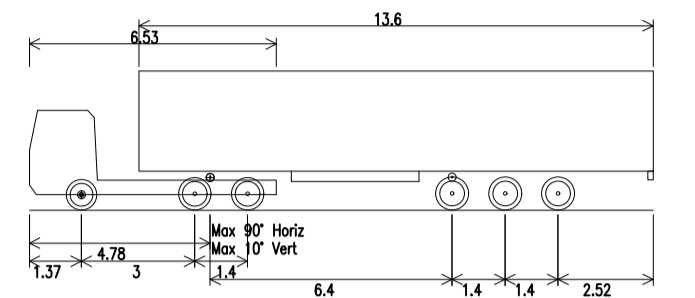
16.5m ARTICULATED HGV LEFT IN TO BUS STATION FROM WESTGATE & EXITING LEFT ONTO WESTGATE

DO NOT SCALE

NOTES

1. ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED.
2. ALL LEVELS SHOWN IN METRES ABOVE DATUM (mAOD) UNLESS OTHERWISE STATED.
3. TOPOGRAPHICAL SURVEY PRODUCED BY SGP ARCHITECTS & MASTERPLANNERS WITH DATA COLLECTED DECEMBER 2020.
4. CONFLICTING INFORMATION SHOWN ON ENGINEERS DRAWINGS OR DISCREPANCIES BETWEEN THE INFORMATION GIVEN BY THE ENGINEER AND THAT PROVIDED BY OTHERS MUST BE RAISED WITH THE ENGINEER.
5. SITE LEVELS REMOVED FOR CLARITY

KEY



Max Legal Length (UK) Articulated Vehicle (16.5m)  
 Overall Length 16.500m  
 Overall Width 2.550m  
 Overall Body Height 3.681m  
 Min Body Ground Clearance 0.411m  
 Track Width 2.500m  
 Lock to lock time 6.00s  
 Kerb to Kerb Turning Radius 6.530m

P03	05/07/2022	LC	KERBING ADDED IN FRONT OF BOTH ACCESSES	DB	DB
P02	30/03/2022	LC	UPDATED LANDSCAPING AND RAMP	DB	DB
P01	23/07/2021	TC	FIRST ISSUE	DB	DB
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S2 - FOR INFORMATION



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 wsp.com

CLIENT: KIRKLEES COUNCIL

ARCHITECT: N/A

SITE/PROJECT: HECKMONDWIKE BUS HUB

TITLE: 16.5m ARTICULATED HGV TRACK ANALYSIS

SCALE @ A1:	1:250	CHECKED:	DB	APPROVED:	DB
PROJECT NO:	70079085	DESIGNED:	CMD	DRAWN:	LC
				DATE:	July 22

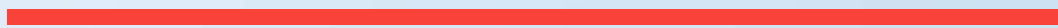
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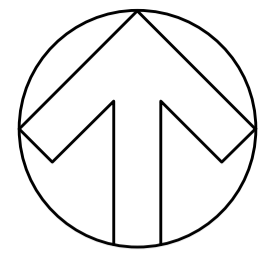
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File name: I:\UK\WSP\GROUP\DATA\PROJECTS\70079085 - WYCA TCF KIRKLEES - HECKMONDWIKE BUS HUB\03 WIP\CV CIVIL ENGINEERING\03 DRAWINGS\TCF-WSP-KIR-HECK-DR-CH-01\_04.DWG, printed on 05 July 2022 12:57:41, by Casey, Liam

# Appendix D

## VISIBILITY DRAWINGS





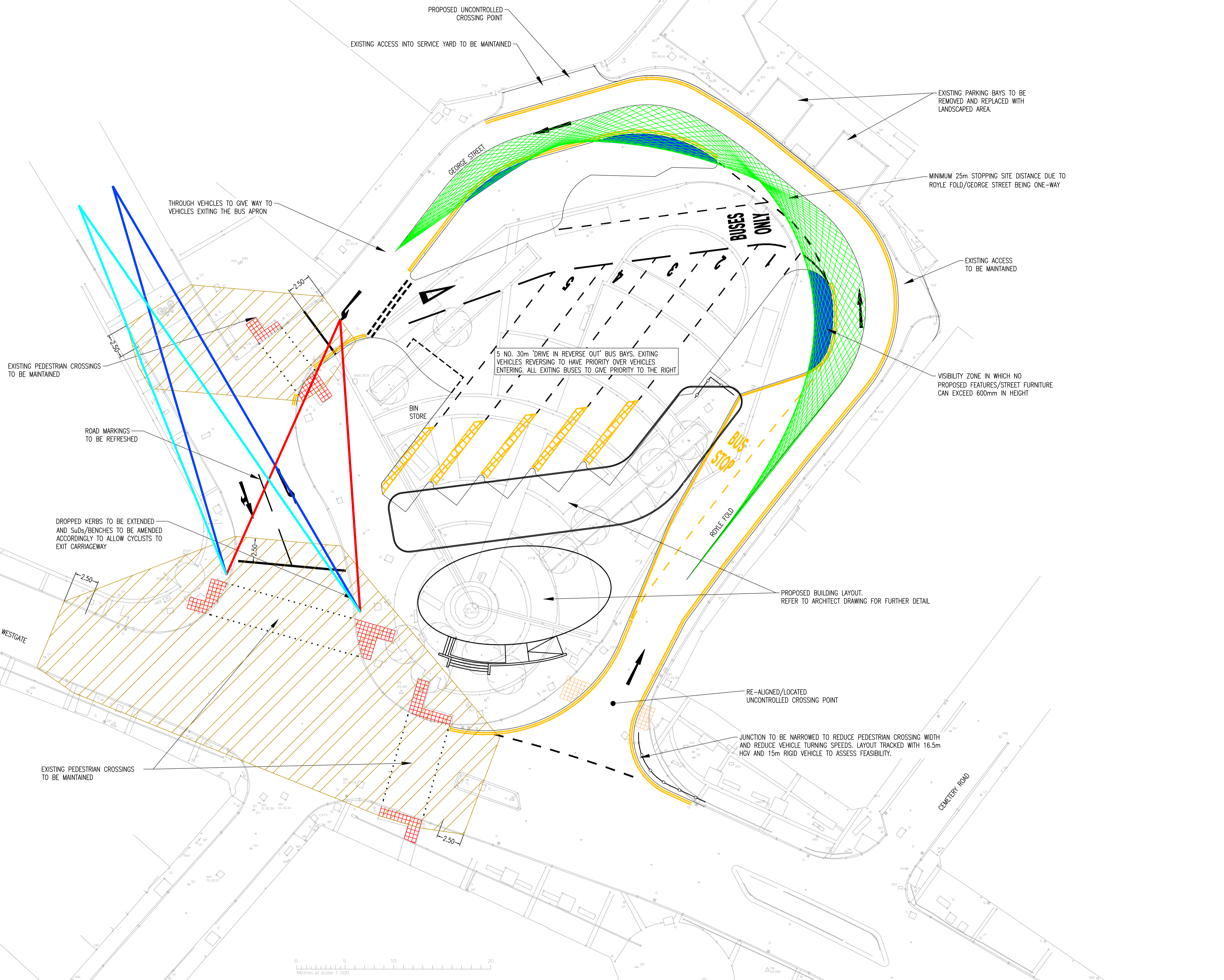
DO NOT SCALE

NOTES

1. ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED.
2. ALL LEVELS SHOWN IN METRES ABOVE DATUM (MAOD) UNLESS OTHERWISE STATED.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS
4. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
5. FORWARD VISIBILITY IS BASED ON MANUAL FOR STREETS.

KEY

- PROPOSED TACTILE PAVING - CONTROLLED
- PROPOSED TACTILE PAVING - UNCONTROLLED
- JUNCTION INTERVISIBILITY ZONE
- 25m FORWARD VISIBILITY ENVELOPE
- FORWARD VISIBILITY LINES
- 40m SIGNAL VISIBILITY LINES (AS PER TRAFFIC SIGNS MANUAL CHAPTER 6)



PO3	05/07/2022	LC	KERBING ADDED INFRONT OF BOTH ACCESSES	DB	DB
PO2	30/03/2022	LC	UPDATED LANDSCAPING AND RAMP	DB	DB
PO1	24/02/2022	LC	FIRST ISSUE	TC	DB
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: S0 - WORK IN PROGRESS

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wsp.com

CLIENT: KIRKLEES COUNCIL

ARCHITECT: SGP

SITE/PROJECT: HECKMONDWIKE BUS HUB

TITLE: JUNCTION INTERVISIBILITY ZONES AND FORWARD VISIBILITY

SCALE @ A1: 1:200	CHECKED: DB	APPROVED: DB
PROJECT NO: 70079085	DESIGNED: CMD	DRAWN: LC
		DATE: July 22

DRAWING NO: TCF-WSP-KIR-HECK-DR-CH-01\_09 REV: PO3

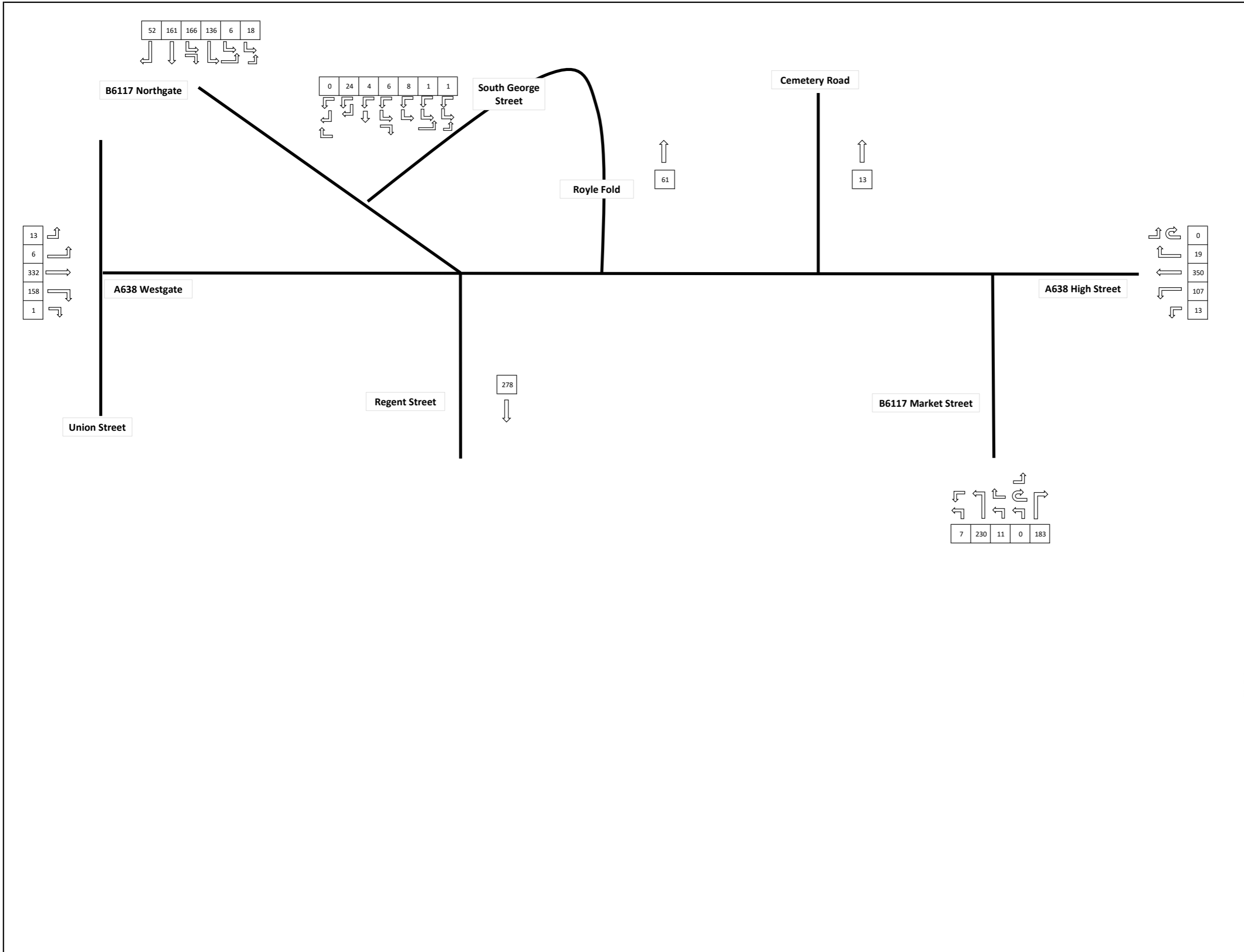
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File name: \\UK.WSPGROUP.COM\CENTRAL DATA\PROJECTS\70079085 - WYCA TCF KIRKLEES - HECKMONDWIKE BUS HUB\03 WYCA CIVIL ENGINEERING\03 DRAWINGS\TCF-WSP-KIR-HECK-DR-CH-01\_09.DWG, printed on 05 July 2022 13:44:08, by Caley, Liam

# Appendix E

## TRAFFIC FLOW DIAGRAMS





NOTES

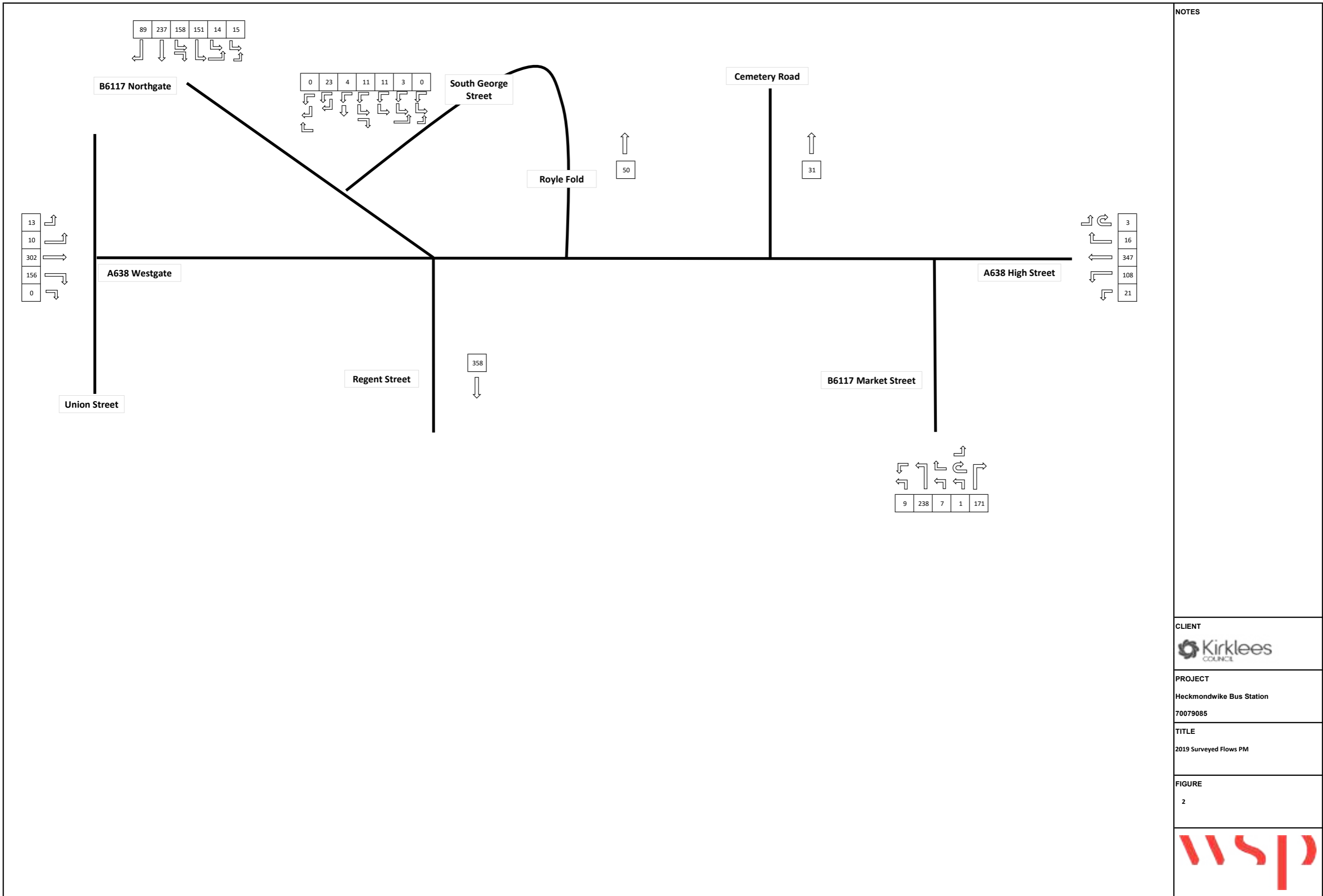
CLIENT  
 Kirklees  
 COUNCIL

PROJECT  
 Heckmondwike Bus Station  
 70079085

TITLE  
 2019 Surveyed Flows AM

FIGURE  
 1





NOTES

CLIENT



PROJECT

Heckmondwike Bus Station  
70079085

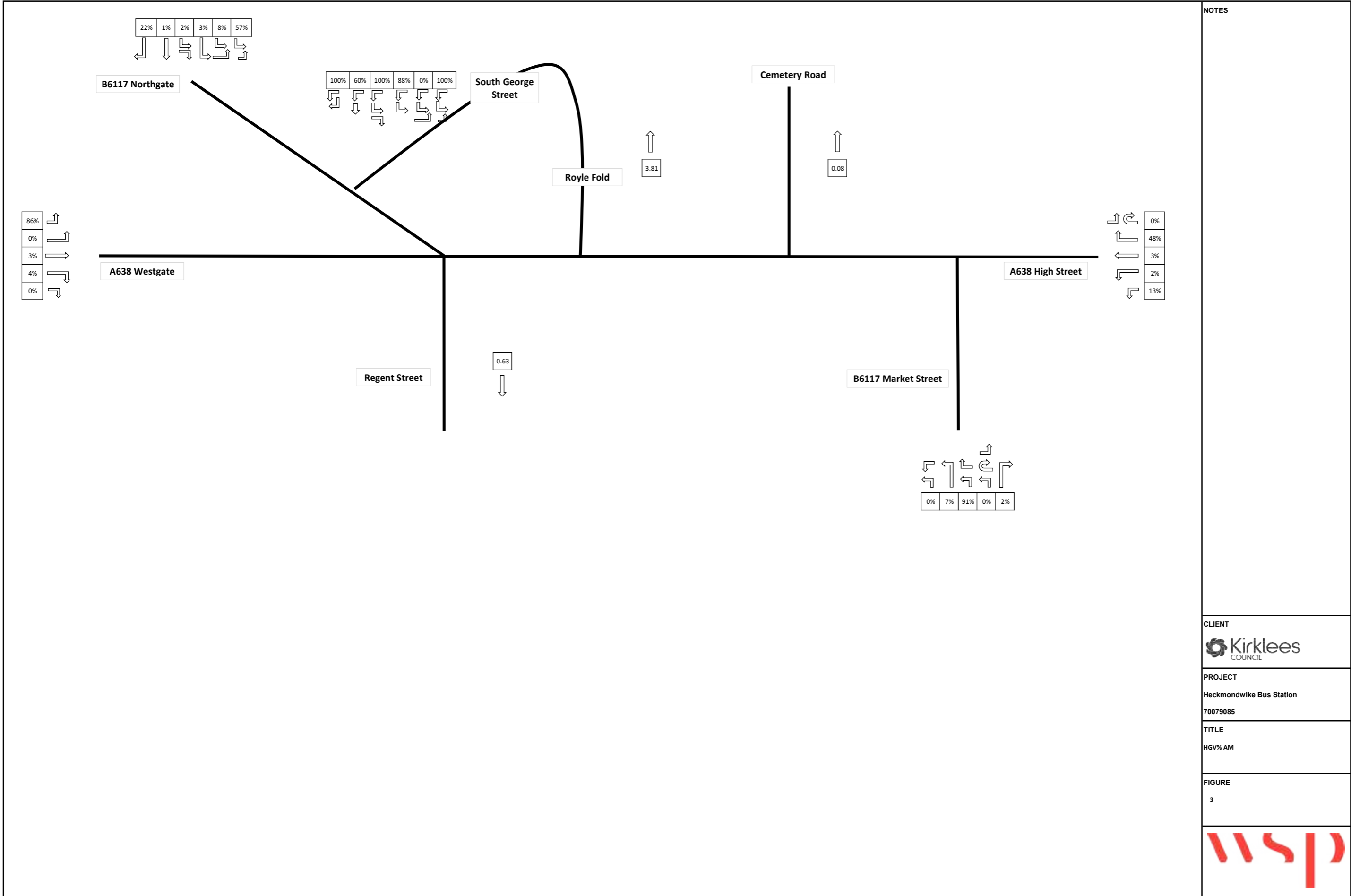
TITLE

2019 Surveyed Flows PM

FIGURE

2





NOTES

CLIENT



PROJECT

Heckmondwike Bus Station  
70079085

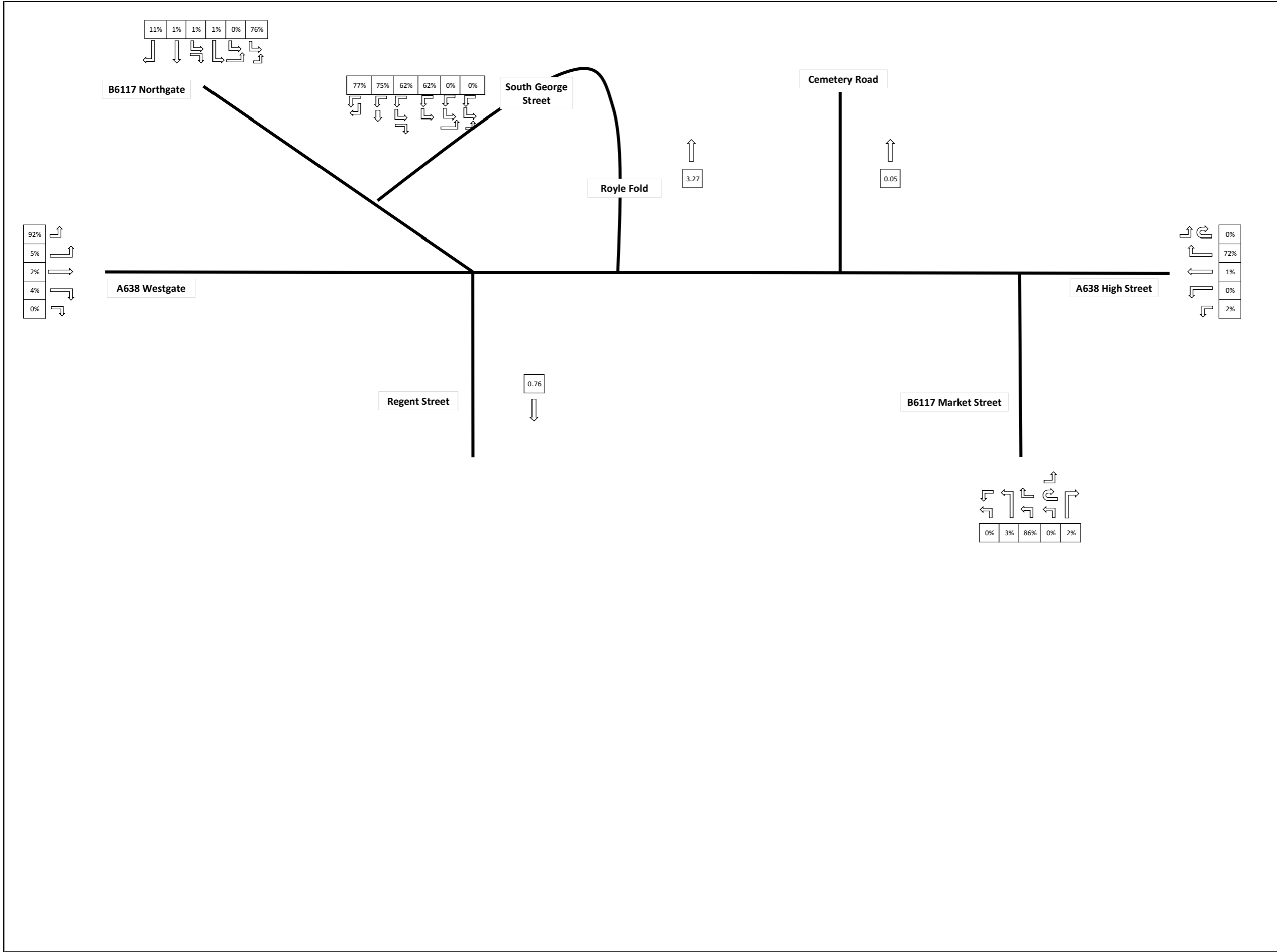
TITLE

HGV% AM

FIGURE

3





NOTES

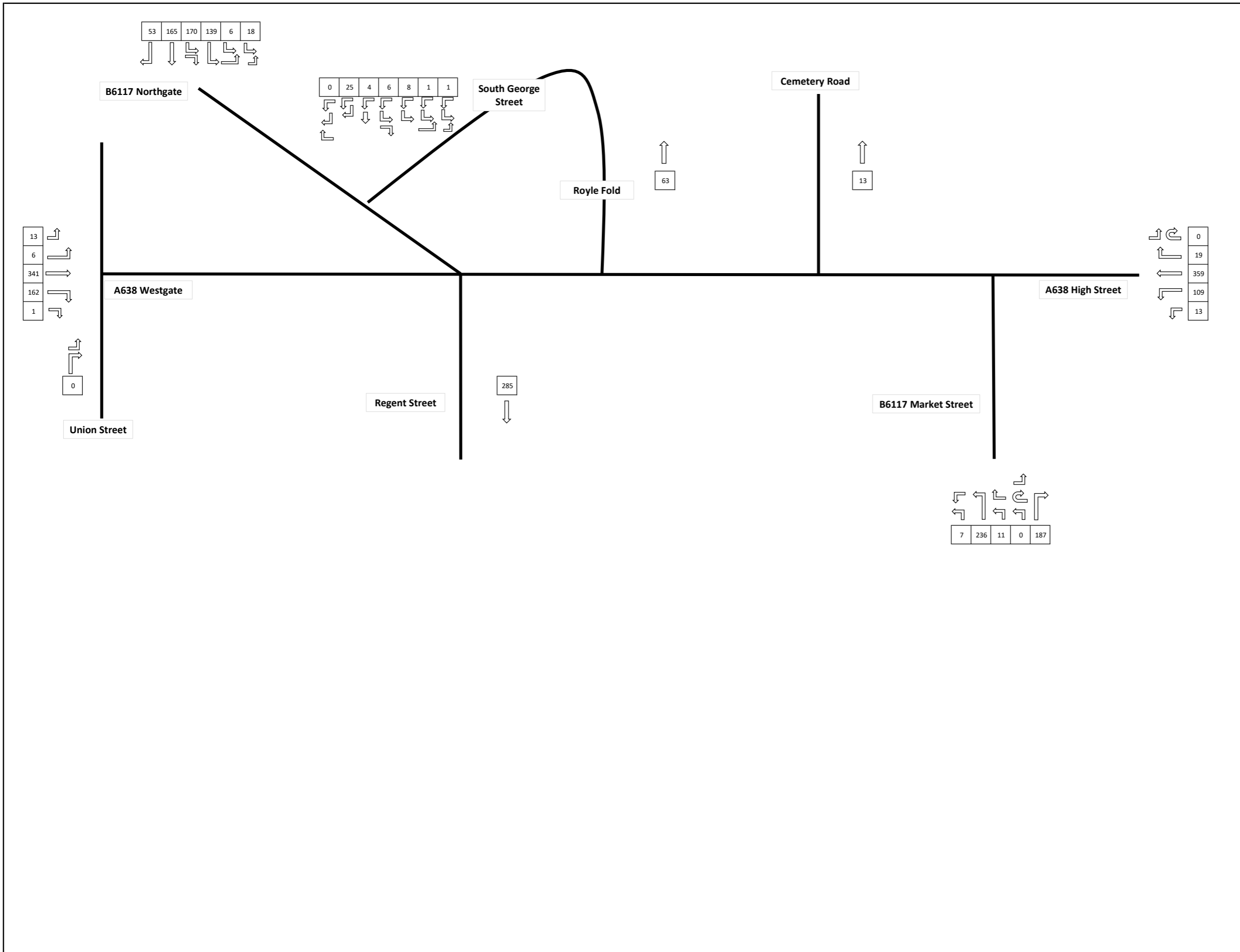
CLIENT  
 Kirklees COUNCIL

PROJECT  
 Heckmondwike Bus Station  
 70079085

TITLE  
 HGV% PM

FIGURE  
 4





**NOTES**

Growth Rate  
1.0251

Prorated from CKSTM growth rates 2019 - 2038

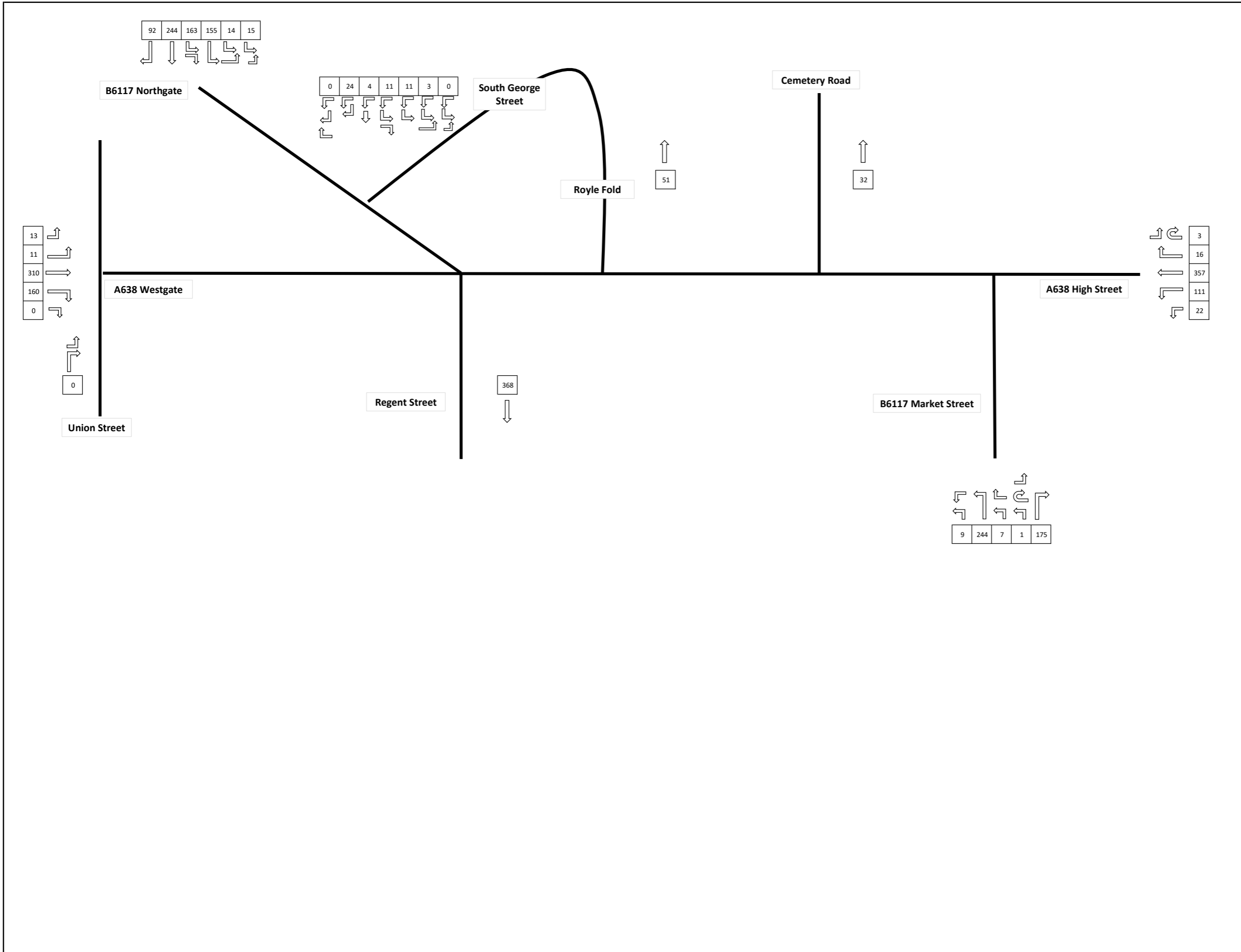
**CLIENT**  
  
 KIRKLEES  
 COUNCIL

**PROJECT**  
 Heckmondwike Bus Station  
 70079085

**TITLE**  
 2023 Growth Flows AM

**FIGURE**  
 5





**NOTES**

Growth Rate  
1.0267

Prorated from CKSTM growth rates 2019 - 2038

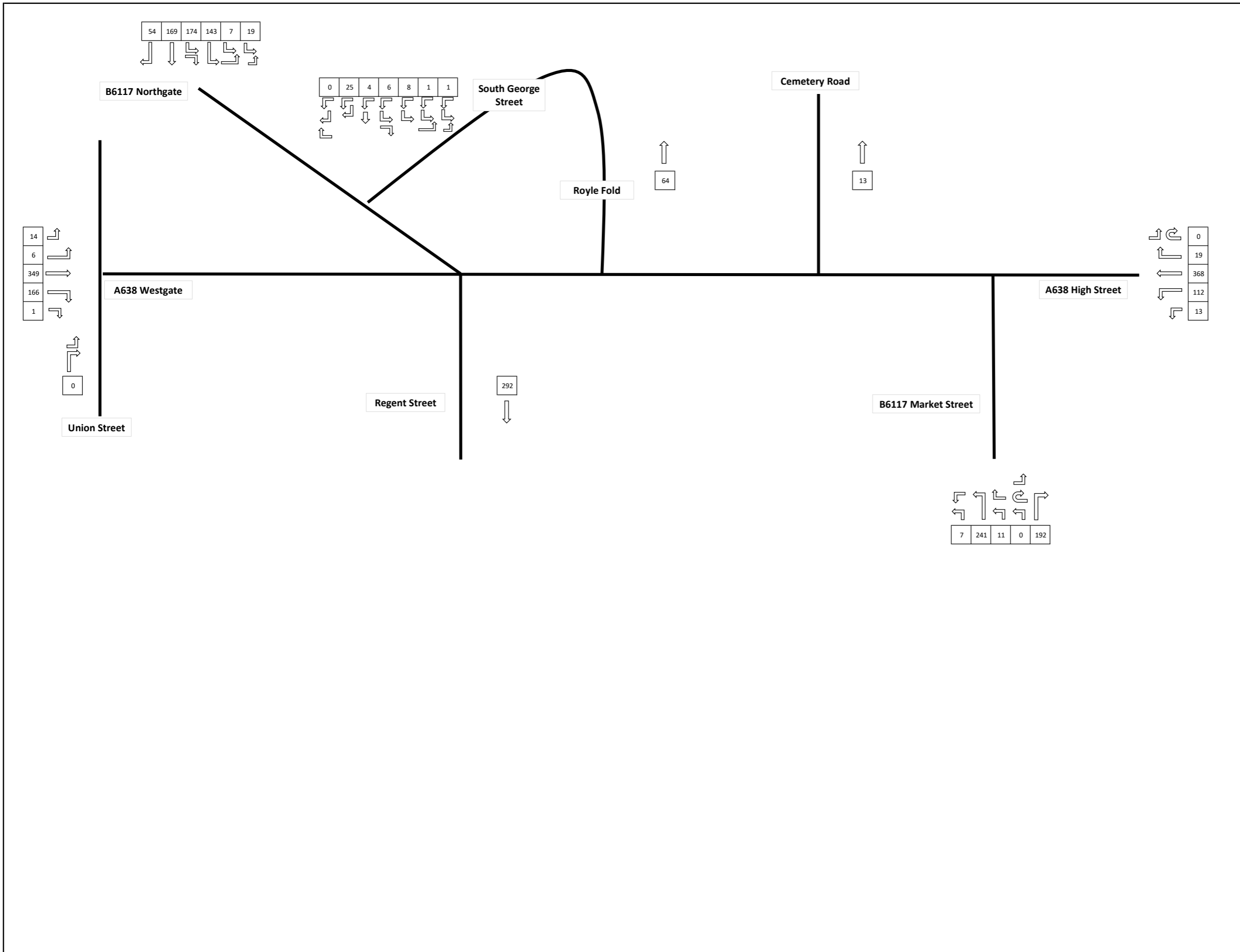
**CLIENT**  
  
 KIRKLEES COUNCIL

**PROJECT**  
 Heckmondwike Bus Station  
 70079085

**TITLE**  
 2023 Growth Flows PM

**FIGURE**  
 6





**NOTES**

Growth Rate  
1.0503

Prorated from CKSTM growth rates 2019 - 2038

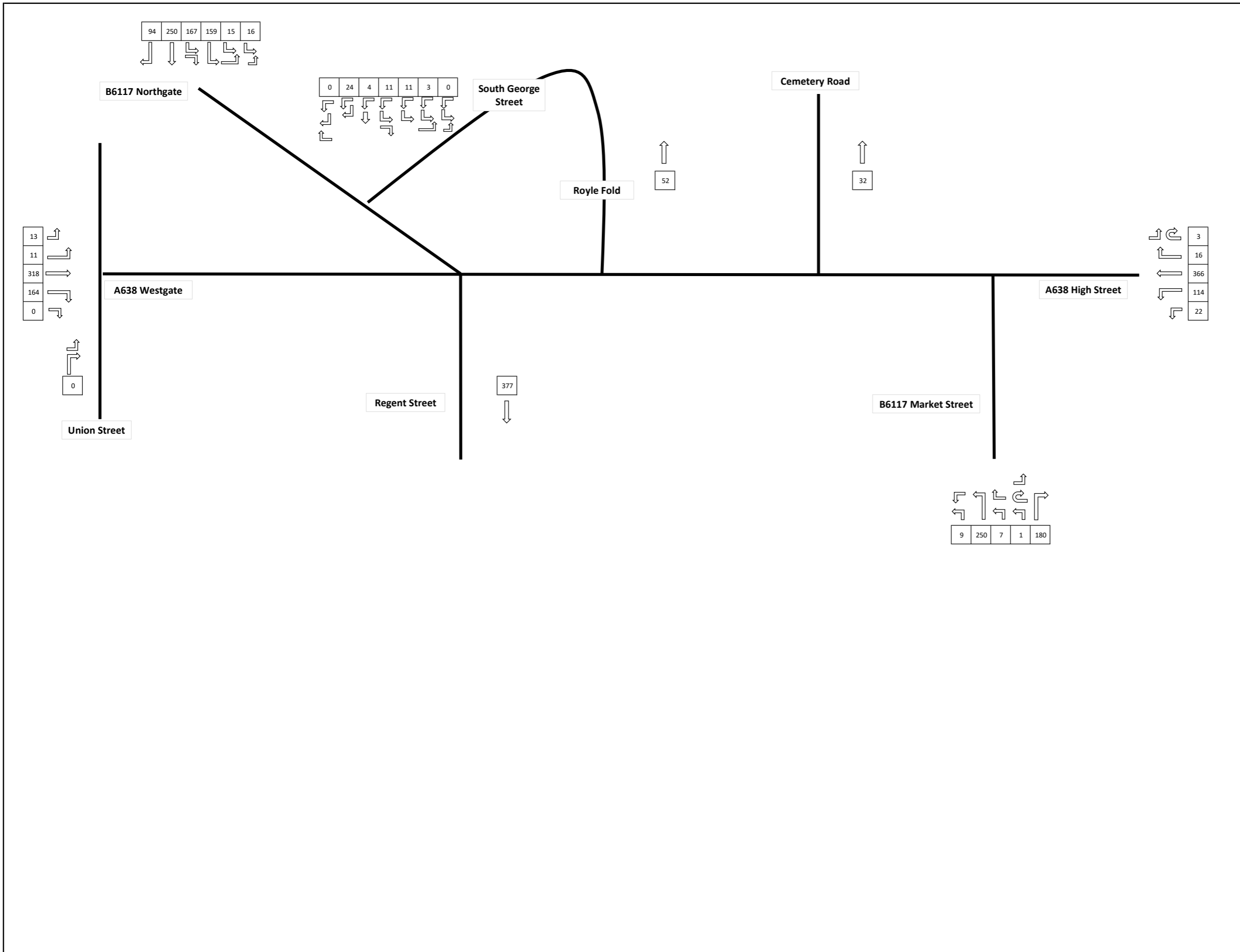
**CLIENT**  
  
 KIRKLEES COUNCIL

**PROJECT**  
 Heckmondwike Bus Station  
 70079085

**TITLE**  
 2027 Growth Flows AM

**FIGURE**  
 7





**NOTES**

Growth Rate  
1.0534

Prorated from CKSTM growth rates 2019 - 2038

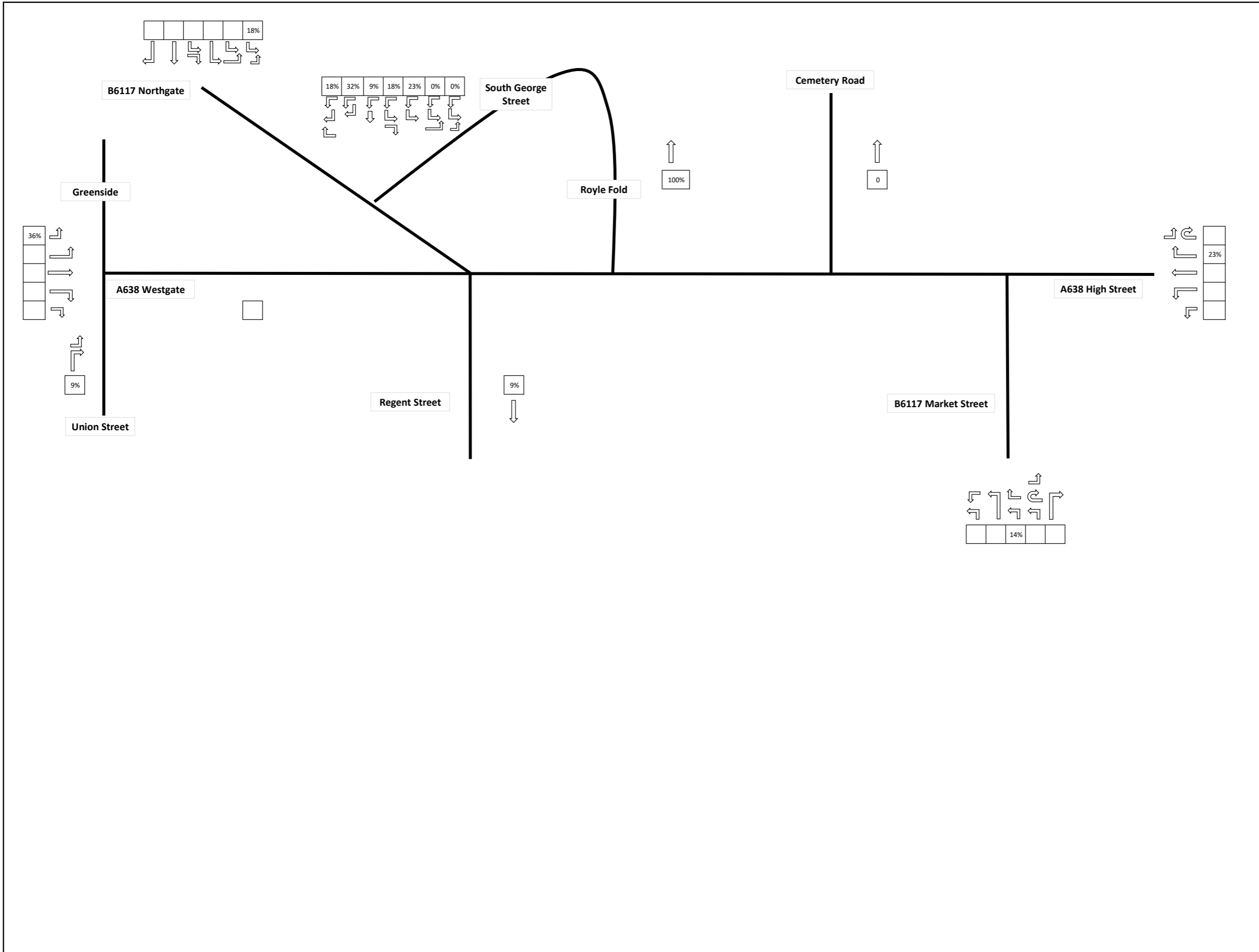
**CLIENT**  
  
 KIRKLEES COUNCIL

**PROJECT**  
 Heckmondwike Bus Station  
 70079085

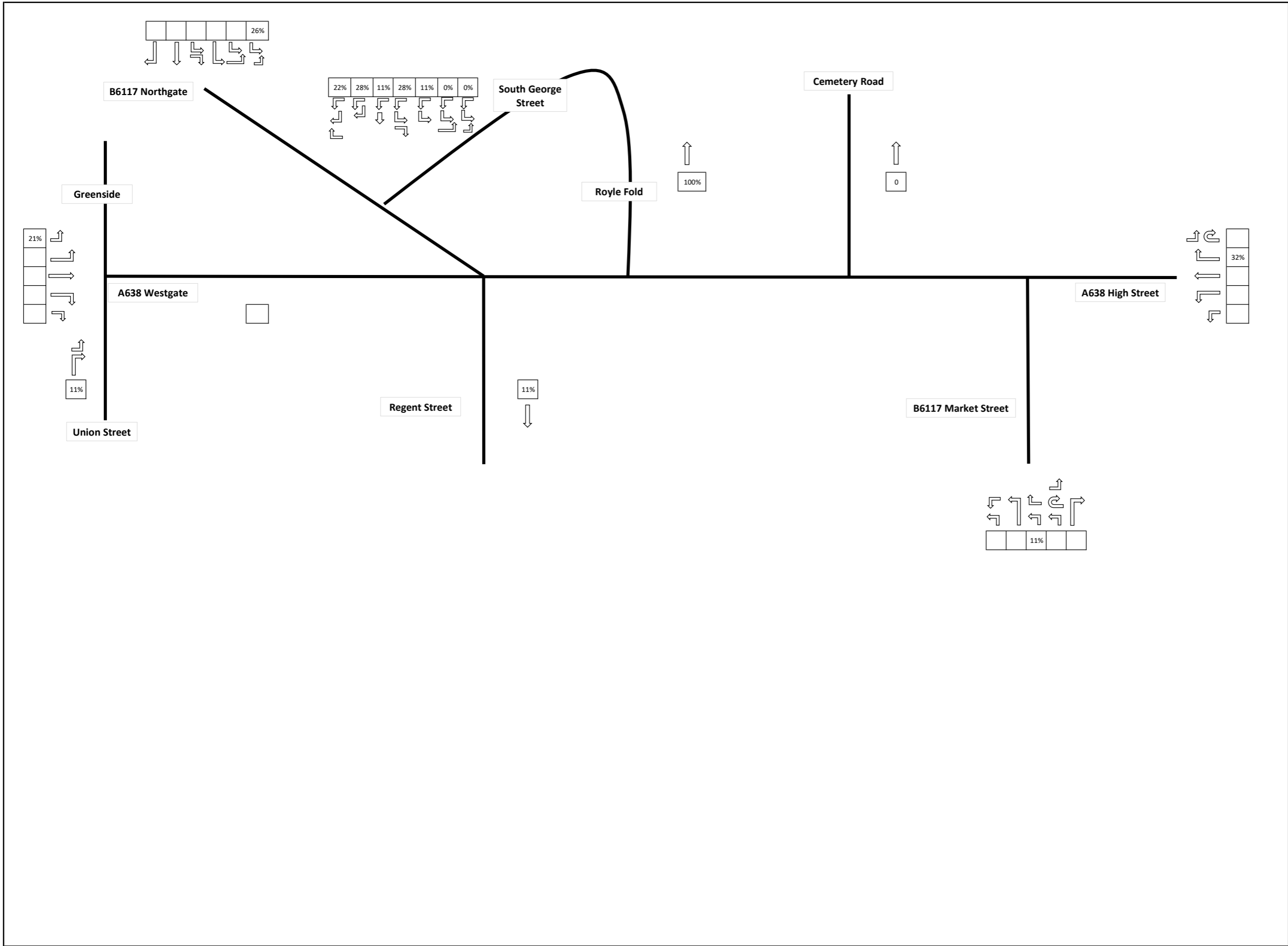
**TITLE**  
 2027 Growth Flows PM

**FIGURE**  
 8





NOTES
CLIENT Kirklees COUNCIL
PROJECT Heckmondwike Bus Station 70079085
TITLE Development Distribution AM
FIGURE 9



NOTES

CLIENT



PROJECT

Heckmondwike Bus Station  
70079085

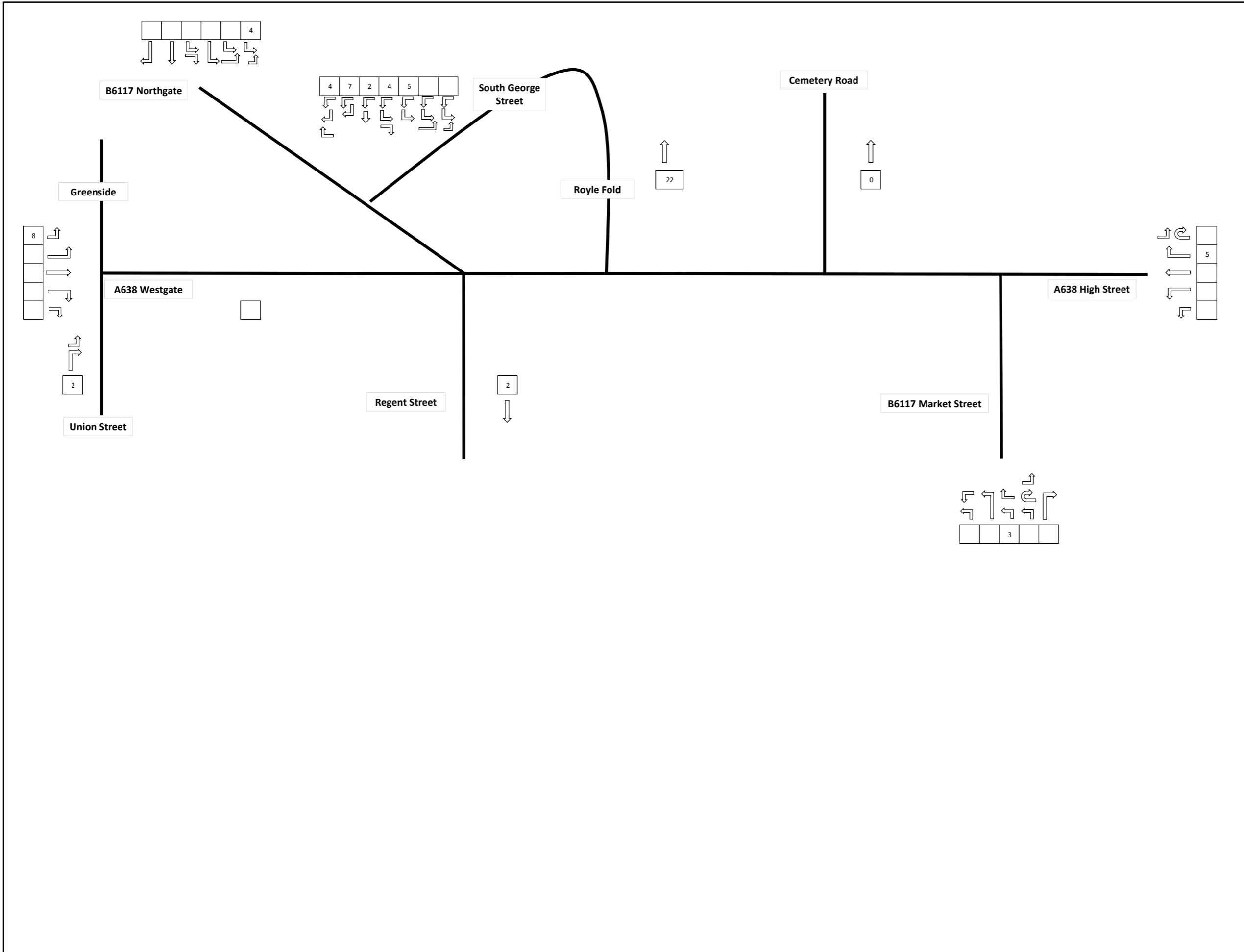
TITLE

Development Distribution PM

FIGURE

10





**NOTES**

Trip Generation - Existing PSV Flows

AM Peak	
Arrivals	Departures
22	22

**CLIENT**



**PROJECT**

Heckmondwike Bus Station  
70079085

**TITLE**

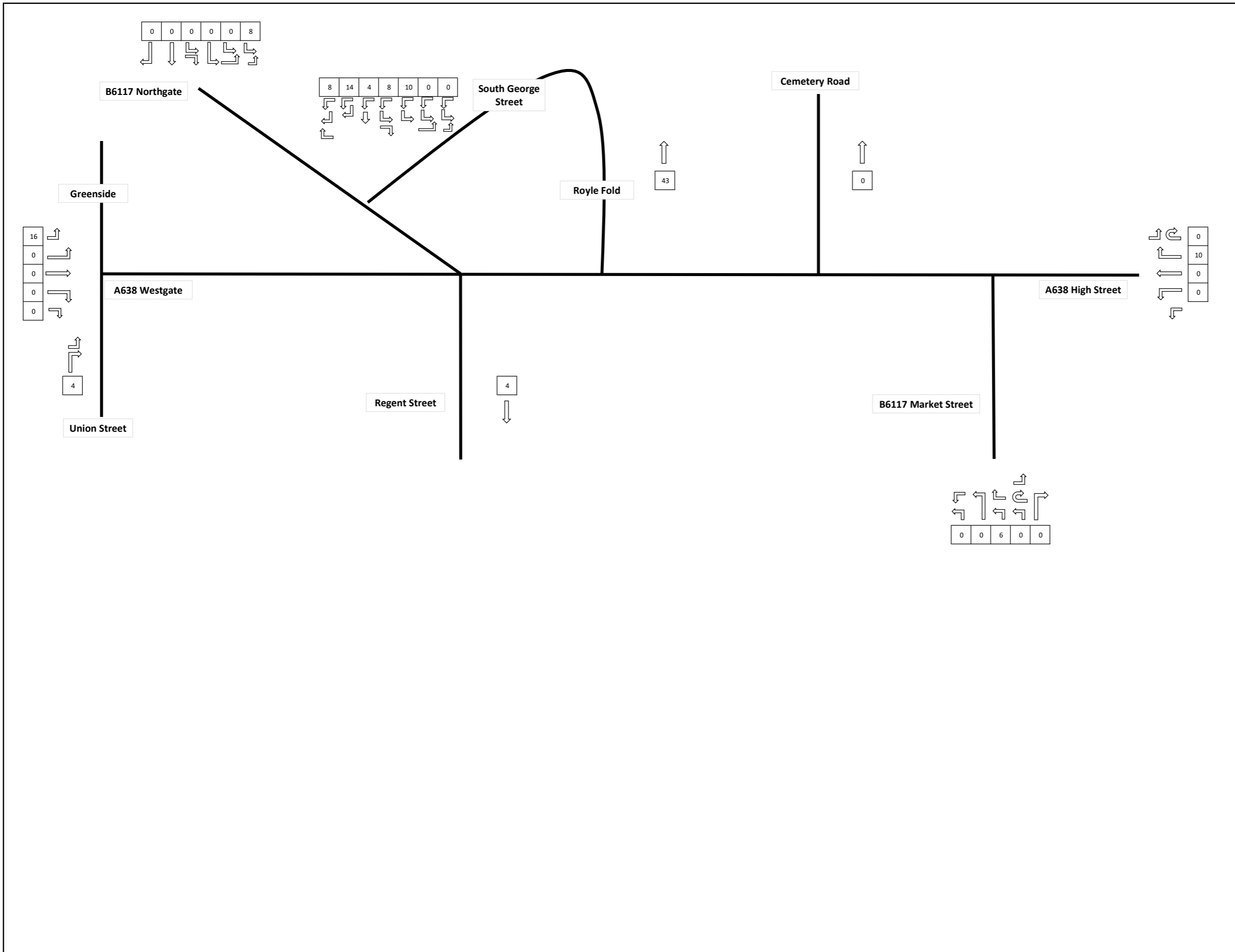
Existing Dev Flows AM

**FIGURE**

11







**NOTES**

% Uplift from existing movements to Proposed Capacity (Maximum) 5 x DIRO and 1 x DIDO

196%

**CLIENT**



**PROJECT**

Heckmondwike Bus Station

70079085

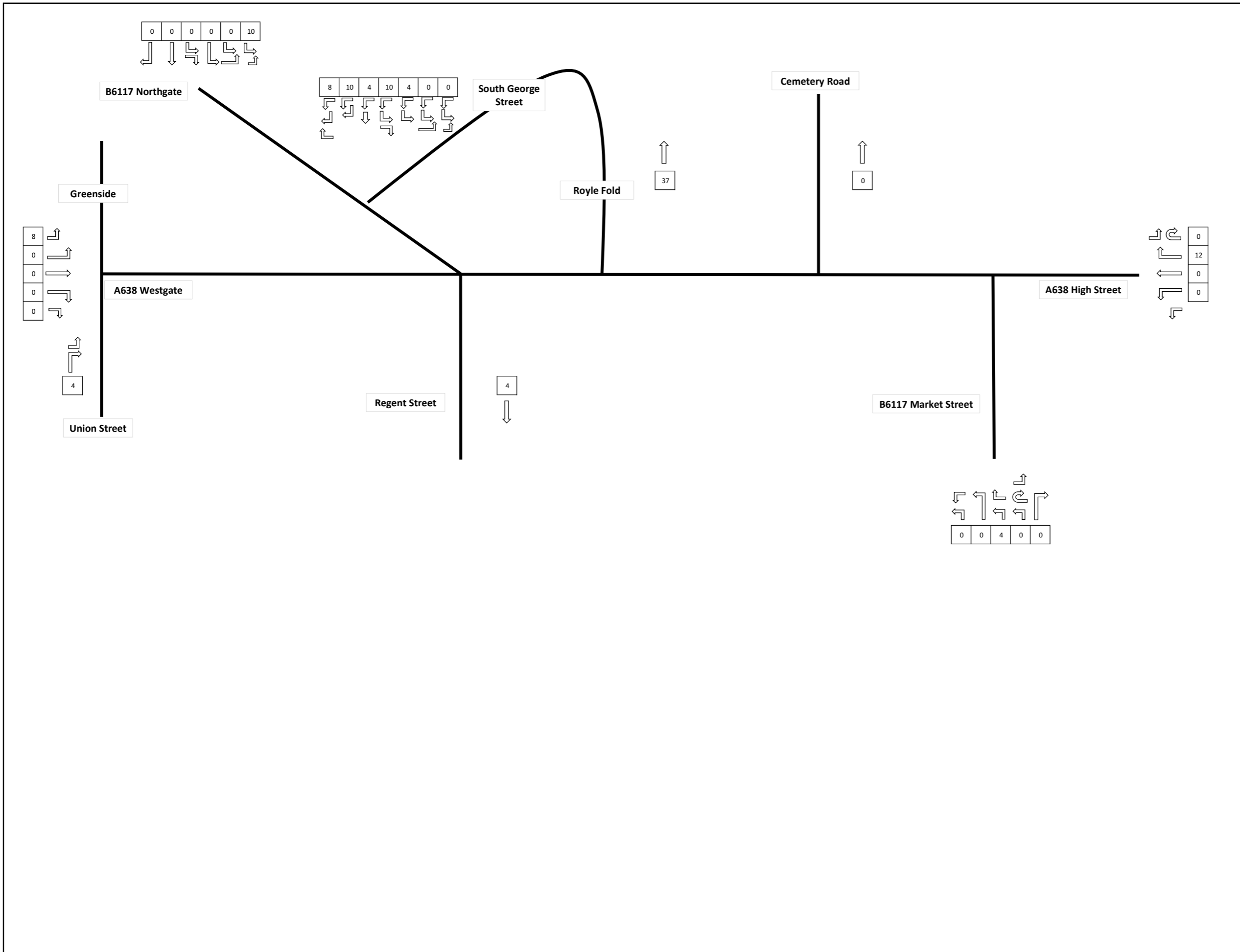
**TITLE**

Future Maximum PSV Flows AM

**FIGURE**

13





**NOTES**

% Uplift from existing movements to Proposed Capacity (Maximum) 5 x DIRO and 1 x DIDO

196%

**CLIENT**



**PROJECT**

Heckmondwike Bus Station

70079085

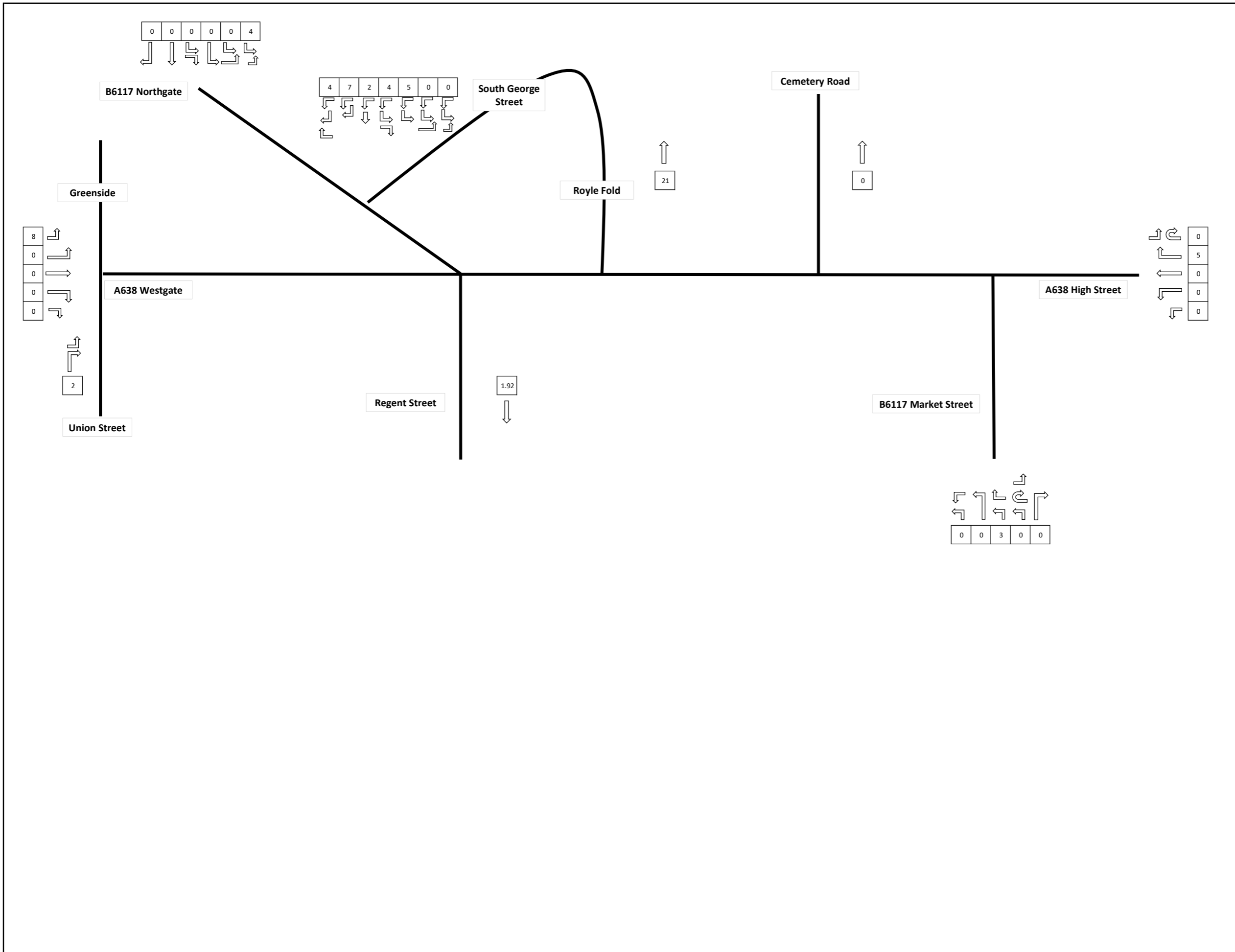
**TITLE**

Future Maximum PSV Flows PM

**FIGURE**

14





**NOTES**

Trip Generation - Maximum Increase in PSVs

AM Peak

Arrivals	Departures
21	21

---

**CLIENT**

**PROJECT**

Heckmondwike Bus Station  
70079085

**TITLE**

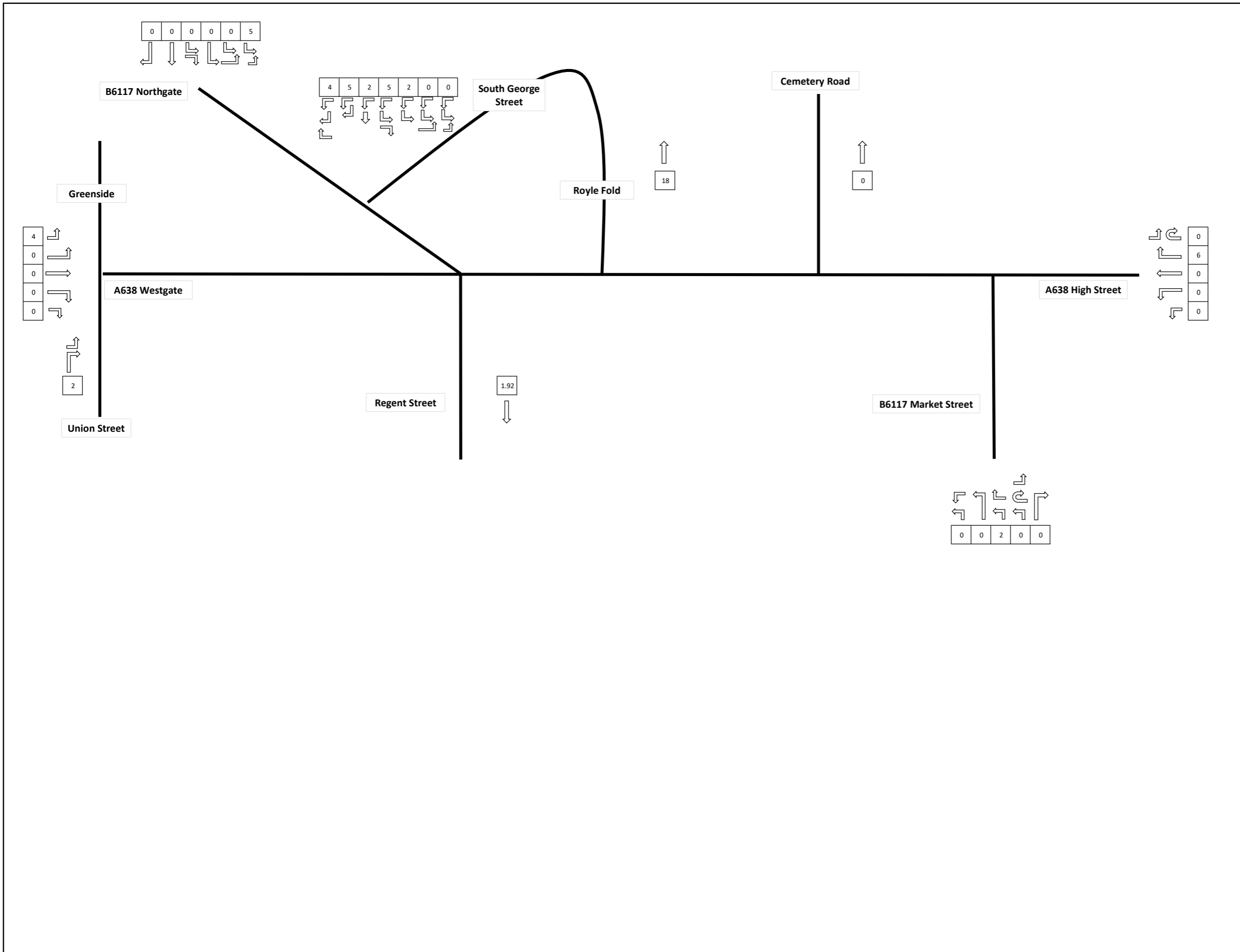
Development Flows AM

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**FIGURE**

15

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**NOTES**

Trip Generation - Maximum Increase in PSVs

PM Peak

Arrivals	Departures
18	17

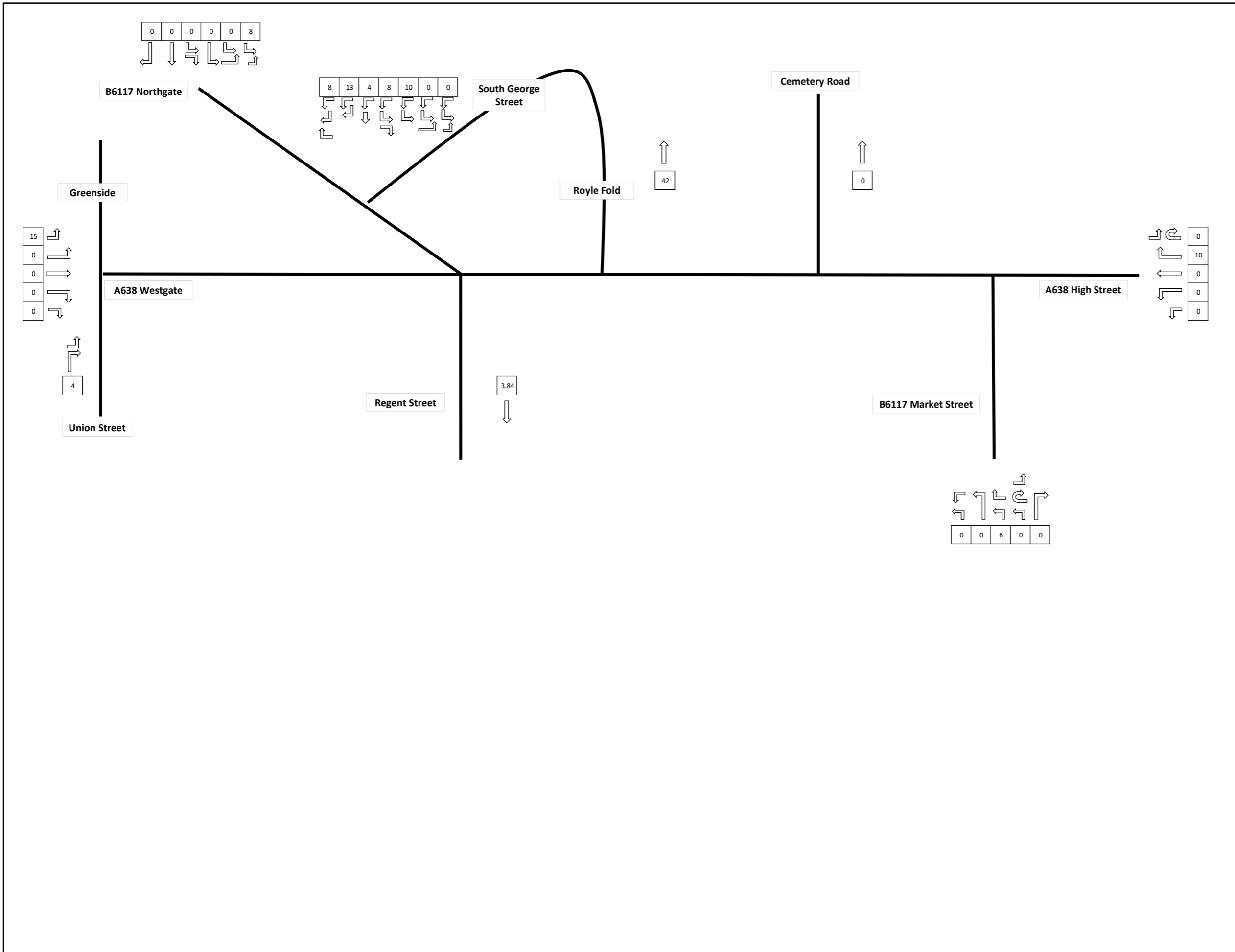
**CLIENT**  
  
 KIRKLEES COUNCIL

**PROJECT**  
 Heckmondwike Bus Station  
 70079085

**TITLE**  
 Development Flows PM

**FIGURE**  
 16





**NOTES**

PC	MC	CAR	LGV	OGV1	OGV2	PSV
0.2	0.4	1	1	1.5	2.3	2

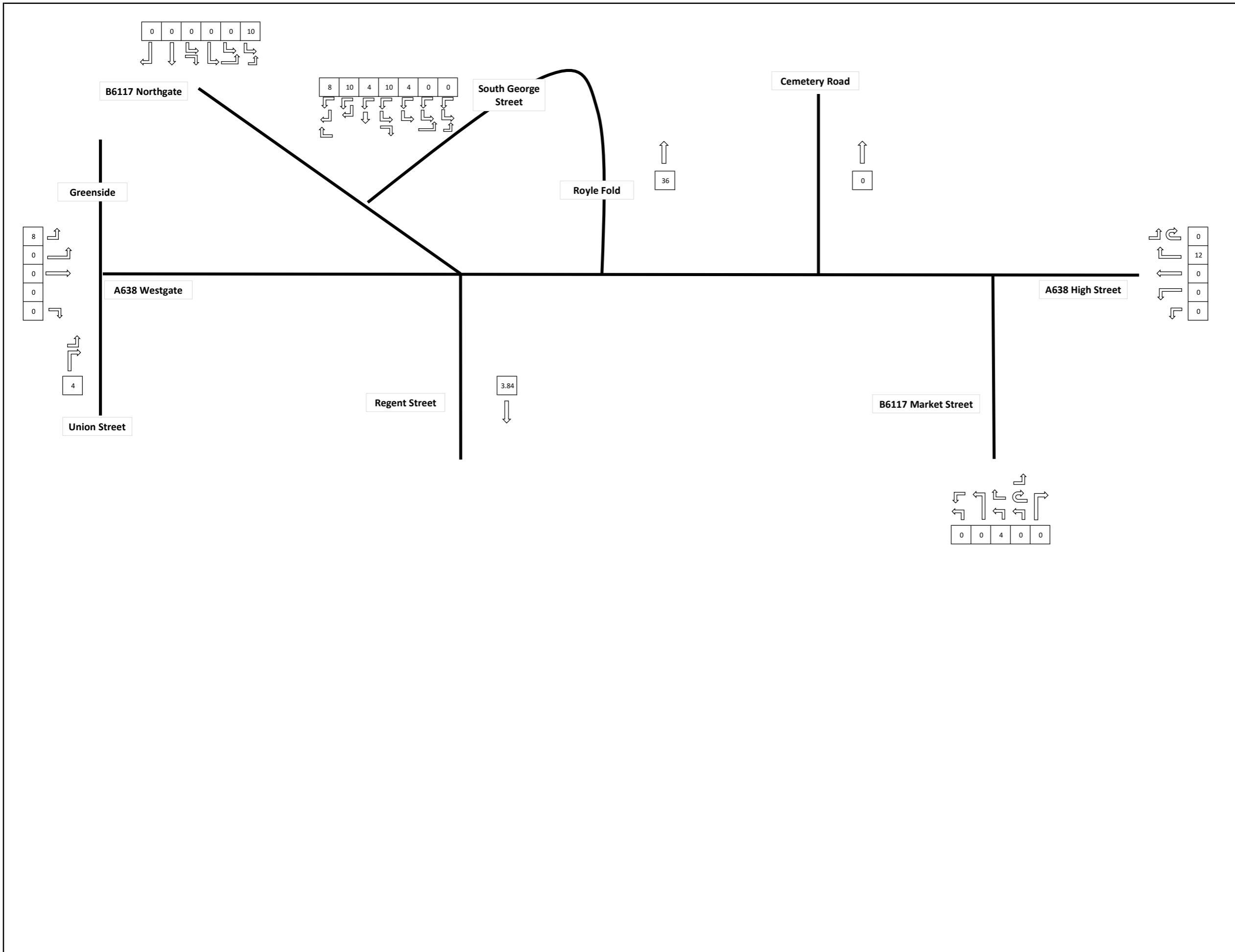
  

**CLIENT**  
 Kirklees COUNCIL

**PROJECT**  
 Heckmondwike Bus Station  
 70079085

**TITLE**  
 Development Flows AM PCU

**FIGURE**  
 17



**NOTES**

PC	MC	CAR	LGV	OGV1	OGV2	PSV
0.2	0.4	1	1	1.5	2.3	2

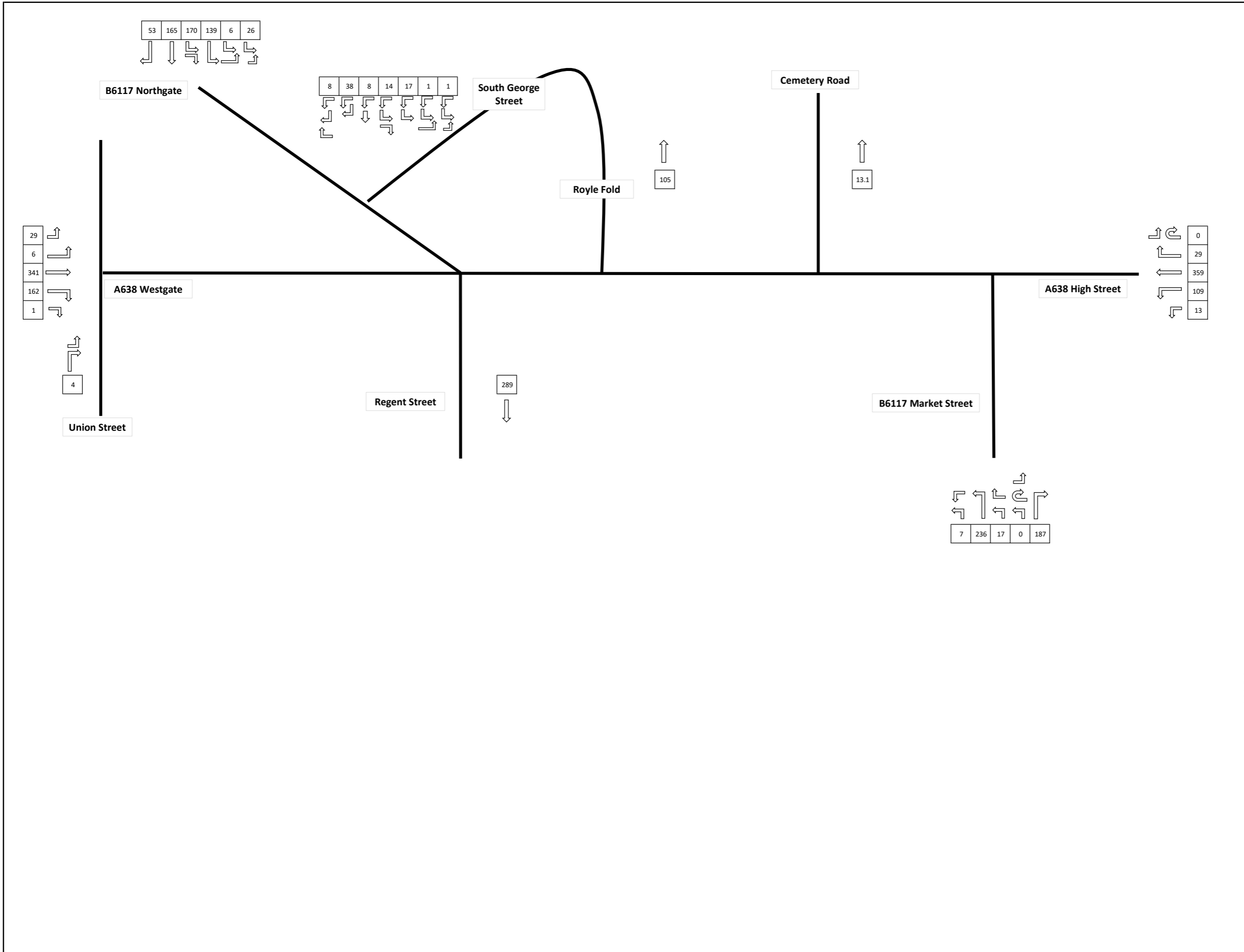
  

**CLIENT**  
 Kirklees COUNCIL

**PROJECT**  
 Heckmondwike Bus Station  
 70079085


**TITLE**  
 Development Flows PM PCU

**FIGURE**  
 18



**NOTES**


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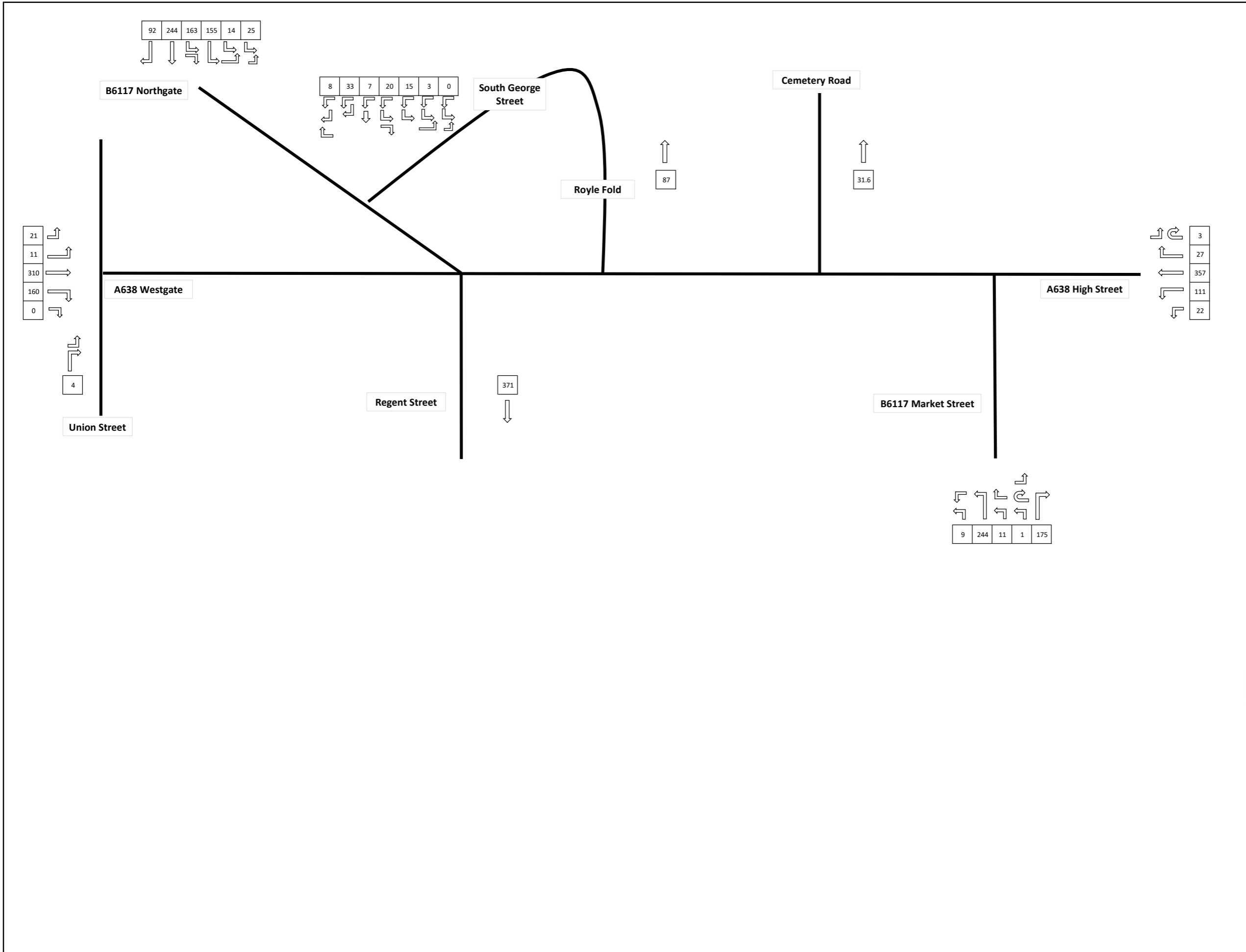
**CLIENT**  
  
 KIRKLEES COUNCIL

**PROJECT**  
 Heckmondwike Bus Station  
 70079085

**TITLE**  
 2023 Growth + Development AM

**FIGURE**  
 19





NOTES

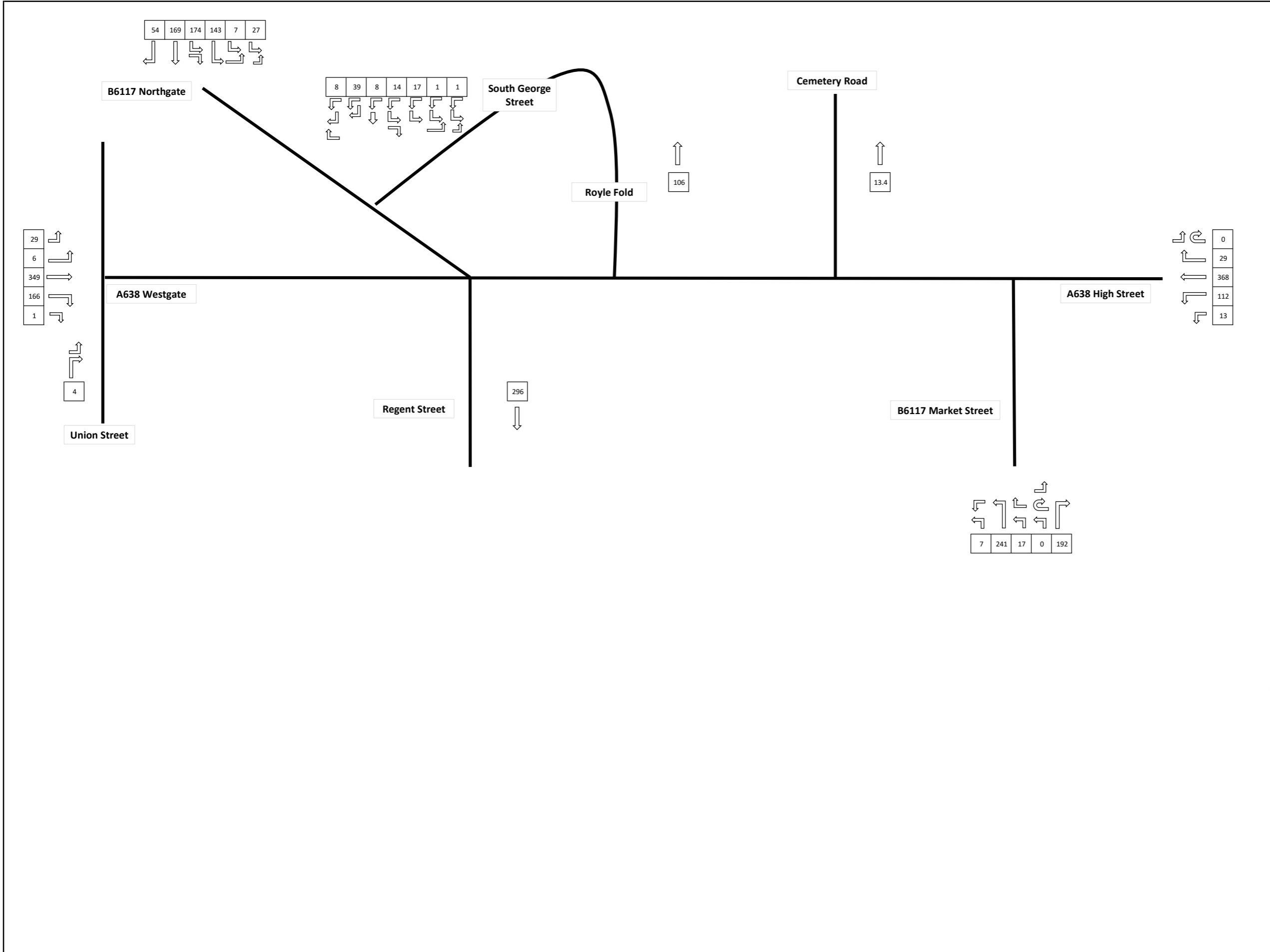
CLIENT  
 Kirklees  
 COUNCIL

PROJECT  
 Heckmondwike Bus Station  
 70079085

TITLE  
 2023 Growth + Development PM

FIGURE  
 20





NOTES

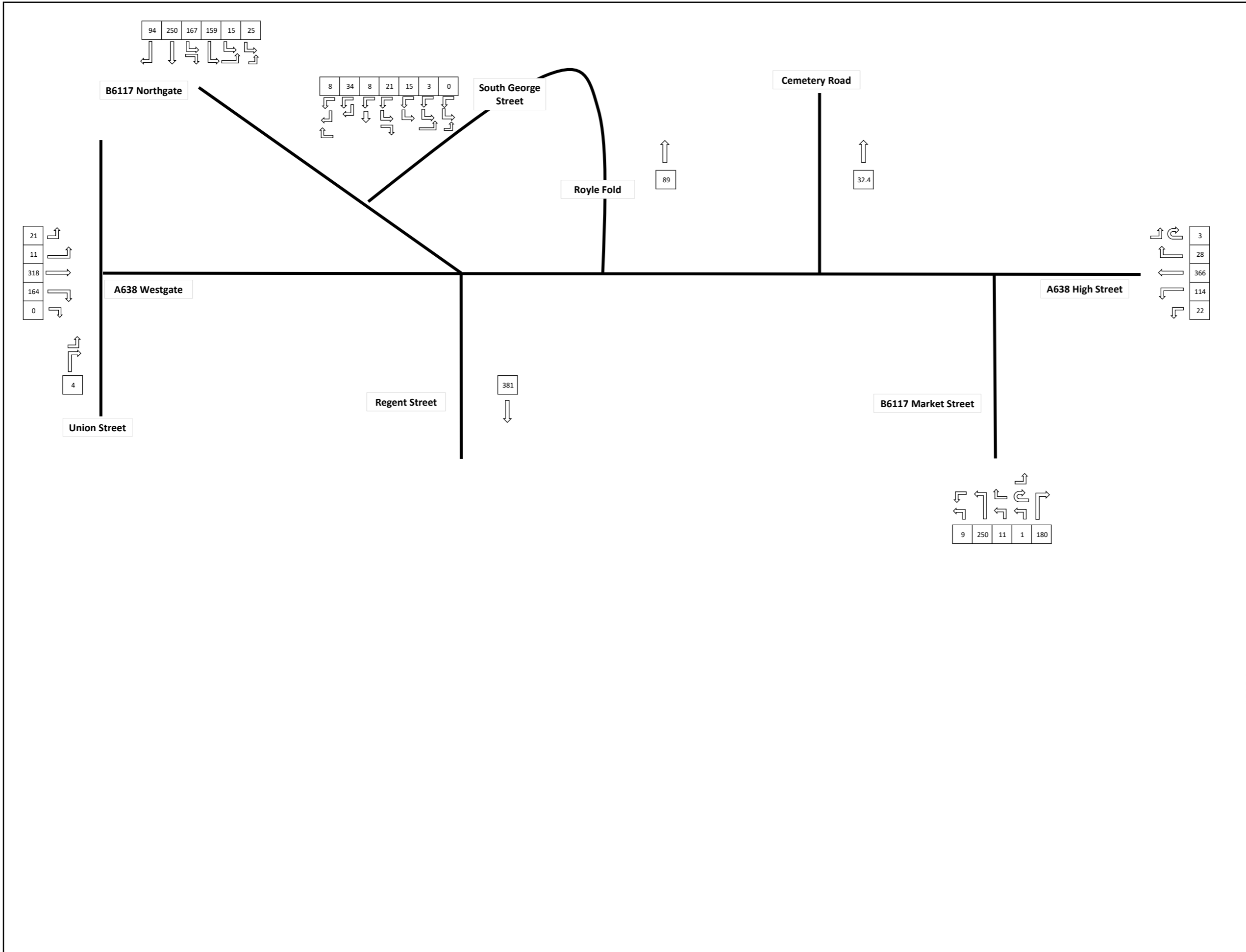
CLIENT  
 Kirklees  
 COUNCIL

PROJECT  
 Heckmondwike Bus Station  
 70079085

TITLE  
 2027 Growth + Development AM

FIGURE  
 21





NOTES

CLIENT  
 Kirklees  
 COUNCIL

PROJECT  
 Heckmondwike Bus Station  
 70079085

TITLE  
 2027 Growth + Development PM

FIGURE  
 22



Kirklees Council - Dewsbury/Huddersfield Traffic Surveys

Dewsbury Site 5 (Average) Junction Turning Counts  
High St / Market St / Westgate / Regent St / Northgate / S George St / Cemetery Rd  
Dates: Wednesday, 2nd & Thursday, 10th October 2019

Approach: A638 High St

Time	15 Minute Totals							Hourly Totals						
	PC	MC	CAR	LGV	OGV1	OGV2	PSV	Vehicles	PCUs	Hour	Vehicles	PCUs		
0700-0715	0	1	81	3	0	0	0	85	94.7	0700-0800	467	481.3		
0715-0730	0	1	107	16	4	2	1	130	134.6	0715-0815	491	505.4		
0730-0745	0	1	90	17	2	0	2	113	113.2	0730-0830	475	488.1		
0745-0800	0	1	114	15	2	2	2	135	138.9	0745-0845	474	489.4		
0800-0815	0	1	94	16	3	1	2	116	118.8	0800-0900	435	449.8		
0815-0830	0	1	94	14	2	1	3	114	117.3	0815-0915	423	438.6		
0830-0845	0	0	91	15	3	2	1	111	114.5	0830-0930	415	431.9		
0845-0900	0	1	81	8	3	1	2	94	98.4	0845-0945	401	418.1		
0900-0915	0	1	82	16	5	1	1	104	107.6	0900-1000	425	443.4		
0915-0930	0	1	79	18	5	1	3	105	108.6	0915-1015	414	436.4		
0930-0945	0	1	73	18	2	2	2	97	102.7	0930-1030	413	435.4		
0945-1000	0	1	74	17	3	2	3	101	105.7	0945-1045	416	438.7		
1000-1015	0	0	71	15	4	1	3	95	100.6	1000-1100	396	417.6		
1015-1030	0	0	77	17	4	3	3	102	109.5	1015-1115	403	422.5		
1030-1045	0	0	81	15	2	1	3	100	103.9	1030-1130	414	433.0		
1045-1100	0	1	78	15	2	2	2	99	103.7	1045-1145	418	435.1		
1100-1115	0	0	82	15	4	1	1	100	103.9	1100-1200	414	433.0		
1115-1130	0	0	78	16	6	1	3	101	105.7	1115-1215	434	454.5		
1130-1145	0	0	86	15	0	1	2	104	106.8	1130-1230	436	452.8		
1145-1200	0	0	95	15	3	2	3	116	122.0	1145-1245	445	467.4		
1200-1215	0	0	78	16	6	1	1	101	105.7	1200-1300	429	449.6		
1215-1230	0	1	95	13	3	2	3	116	121.4	1215-1315	428	446.6		
1230-1245	0	0	89	17	3	2	3	112	118.2	1230-1330	431	446.8		
1245-1300	0	1	82	13	3	3	3	101	104.2	1245-1345	439	453.7		
1300-1315	0	0	84	12	3	1	1	100	102.9	1300-1400	433	471.2		
1315-1330	1	1	96	15	3	1	3	113	121.4	1315-1415	476	496.2		
1330-1345	0	2	101	11	3	2	2	120	125.2	1330-1430	475	495.5		
1345-1400	0	0	87	18	6	2	3	115	121.7	1345-1445	469	487.1		
1400-1415	0	1	99	18	3	1	3	124	127.7	1400-1500	460	474.3		
1415-1430	0	1	92	17	4	1	2	117	120.7	1415-1515	430	443.8		
1430-1445	0	0	99	13	2	0	2	115	117.0	1430-1530	400	413.8		
1445-1500	0	1	83	16	3	0	3	105	108.7	1445-1545	378	395.7		
1500-1515	0	1	74	14	2	2	2	94	97.4	1500-1600	384	403.5		
1515-1530	0	0	76	6	1	3	0	87	90.8	1515-1615	415	434.6		
1530-1545	0	1	69	15	5	2	3	93	98.9	1530-1630	448	465.1		
1545-1600	0	0	93	13	1	2	3	111	116.5	1545-1645	479	492.8		
1600-1615	1	2	106	13	1	1	2	124	126.6	1600-1700	476	492.1		
1615-1630	0	1	103	14	1	1	2	120	123.3	1615-1715	475	484.6		
1630-1645	0	2	107	12	3	2	2	124	126.6	1630-1730	485	493.8		
1645-1700	0	1	92	14	1	0	2	108	109.0	1645-1745	487	495.1		
1700-1715	0	1	107	14	1	1	2	124	125.8	1700-1800	502	509.8		
1715-1730	0	1	116	11	0	1	2	130	132.5	1715-1815	493	503.1		
1730-1745	0	1	108	13	1	1	2	128	128.1	1730-1830	485	494.4		
1745-1800	0	1	112	9	1	0	1	123	123.5	1745-1845	472	483.4		
1800-1815	0	1	101	9	1	2	3	115	118.1	1800-1900	445	457.7		
1815-1830	0	2	109	9	1	2	1	122	123.8					
1830-1845	0	1	98	10	1	1	3	113	117.0					
1845-1900	0	1	86	6	1	1	2	96	97.8					
Day Total	1	27	4364	662	109	48	94	5304	5497.7					

Kirklees Council - Dewsbury/Huddersfield Traffic Surveys

Dewsbury Site 5 (Average) Junction Turning Counts  
High St / Market St / Westgate / Regent St / Northgate / S George St / Cemetery Rd  
Dates: Wednesday, 2nd & Thursday, 10th October 2019

Approach: A638 High St

Time	15 Minute Totals							Hourly Totals						
	PC	MC	CAR	LGV	OGV1	OGV2	PSV	Vehicles	PCUs	Hour	Vehicles	PCUs		
0700-0715	0	0	2	1	0	0	0	3	2.3	0700-0800	20	12.5		
0715-0730	0	0	2	0	0	1	0	3	3.8	0715-0815	12	14.0		
0730-0745	0	0	2	0	0	0	2	2.0	0730-0830	12	12.7			
0745-0800	0	0	2	0	1	1	0	3	4.2	0745-0845	12	12.2		
0800-0815	0	0	4	1	0	0	4	4.0	0800-0900	14	14.9			
0815-0830	0	0	2	1	0	0	3	2.5	0815-0915	16	17.4			
0830-0845	0	0	2	1	0	0	3	2.5	0830-0930	18	20.4			
0845-0900	0	0	4	0	1	1	0	5	5.9	0845-0945	20	22.8		
0900-0915	0	0	3	1	2	0	0	6	6.5	0900-1000	19	21.7		
0915-0930	0	0	3	2	1	0	0	5	5.5	0915-1015	22	23.7		
0930-0945	0	0	2	1	1	1	0	4	4.9	0930-1030	26	28.4		
0945-1000	0	0	3	1	1	0	0	5	4.8	0945-1045	26	27.9		
1000-1015	0	0	6	1	1	0	0	8	8.5	1000-1100	28	30.8		
1015-1030	0	0	6	2	1	1	0	9	10.2	1015-1115	28	30.3		
1030-1045	0	0	4	1	0	0	0	5	4.5	1030-1130	26	28.6		
1045-1100	0	0	4	2	0	1	1	7	7.2	1045-1145	29	31.1		
1100-1115	0	0	5	2	1	0	0	8	8.0	1100-1200	30	31.4		
1115-1130	0	0	5	2	1	1	0	8	8.4	1115-1215	30	31.7		
1130-1145	0	0	6	1	0	0	0	7	7.0	1130-1230	26	26.3		
1145-1200	0	0	5	2	1	0	0	8	8.0	1145-1245	31	32.4		
1200-1215	0	0	7	1	1	0	0	8	8.3	1200-1300	30	31.4		
1215-1230	0	0	3	1	0	0	0	3	3.0	1215-1315	27	28.9		
1230-1245	0	0	8	1	1	1	0	12	12.2	1230-1330	33	34.8		
1245-1300	0	0	6	1	0	1	0	7	7.0	1245-1345	30	31.5		
1300-1315	0	0	4	1	1	0	0	6	5.8	1300-1400	31	31.9		
1315-1330	1	0	6	2	1	0	0	9	8.9	1315-1415	35	37.9		
1330-1345	0	0	6	1	2	1	0	9	9.9	1330-1430	33	37.6		
1345-1400	0	0	6	1	2	1	0	9	9.4	1345-1445	32	35.3		
1400-1415	0	0	5	3	2	0	0	9	9.8	1400-1500	30	31.8		
1415-1430	0	0	5	1	1	1	0	7	8.8	1415-1515	26	27.5		
1430-1445	0	0	6	1	1	0	0	8	7.8	1430-1530	26	28.8		
1445-1500	0	1	4	2	0	0	0	6	5.7	1445-1545	23	27.0		
1500-1515	0	0	3	2	1	0	0	5	5.5	1500-1600	24	26.1		
1515-1530	0	0	4	1	1	2	0	7	8.9	1515-1615	23	25.9		
1530-1545	0	0	3	1	1	1	0	5	5.9	1530-1630	23	23.8		
1545-1600	0	0	5	1	1	1	0	7	8.8	1545-1645	22	27.5		
1600-1615	0	0	3	0	1	0	0	4	5.1	1600-1700	22	26.2		
1615-1630	0	0	5	2	0	1	0	7	8.3	1615-1715	23	25.6		
1630-1645	0	0	2	1	1	0	0	4	5.1	1630-1730	19	20.8		
1645-1700	0	0	7	1	0	0	0	8	7.5	1645-1745	21	21.3		
1700-1715	0	0	3	1	1	0	0	5	4.8	1700-1800	18	18.8		
1715-1730	0	0	3	1	0	0	0	4	3.5	1715-1815	22	23.8		
1730-1745	0	0	5	1	0	0	0	6	5.5	1730-1830	24	25.8		
1745-1800	0	0	4	1	0	1	0	5	5.0	1745-1845	27	30.0		
1800-1815	0	0	6	1	0	1	1	8	9.8	1800-1900	28	32.0		
1815-1830	0	0	5	1	0	0	0							

Kirklees Council - Dewsbury/Huddersfield Traffic Surveys

Dewsbury Site 5 (Average) Junction Turning Counts  
High St / Market St / Westgate / Regent St / Northgate / 5 George St / Cemetery Rd  
Date: Wednesday, 2nd & Thursday, 10th October 2019

Approach: B6117 Market St

Time	15 Minute Totals							Hourly Totals						
	PC	MC	CAR	LGV	OGV1	OGV2	PSV	Vehicles	PCUs	Hour	Vehicles	PCUs		
0700-0715	0	1	62	12	4	1	4	82	87.8	0700-0800	389	428.3		
0715-0730	0	1	76	15	5	1	2	98	102.3	0715-0815	411	428.2		
0730-0745	0	2	82	15	1	2	102	103.9	0730-0830	410	429.3			
0745-0800	0	0	87	14	3	2	3	109	115.0	0745-0845	402	420.3		
0800-0815	0	0	84	14	3	2	1	104	108.1	0800-0900	390	405.5		
0815-0830	0	0	72	18	4	2	2	97	102.4	0815-0915	383	398.7		
0830-0845	0	0	75	16	4	0	0	94	95.3	0830-0930	381	392.7		
0845-0900	0	0	75	16	4	1	1	96	99.4	0845-0945	381	397.5		
0900-0915	0	0	70	22	3	2	2	97	101.7	0900-1000	363	384.5		
0915-0930	0	0	72	16	4	1	2	94	98.3	0915-1015	349	372.3		
0930-0945	0	0	65	23	5	1	0	94	97.1	0930-1030	343	366.3		
0945-1000	0	0	49	19	5	3	2	78	86.4	0945-1045	366	392.4		
1000-1015	0	0	60	17	4	3	1	84	89.5	1000-1100	370	393.4		
1015-1030	0	0	63	18	4	2	1	88	93.3	1015-1115	370	391.5		
1030-1045	0	1	81	24	8	3	1	116	123.2	1030-1130	365	385.8		
1045-1100	0	0	64	12	5	2	1	82	87.4	1045-1145	311	340.1		
1100-1115	0	0	62	16	3	1	2	84	87.7	1100-1200	334	351.8		
1115-1130	0	0	60	18	2	2	1	83	87.6	1115-1215	339	356.3		
1130-1145	0	0	60	17	4	2	1	83	86.7	1130-1230	349	367.6		
1145-1200	0	0	67	13	3	2	1	83	89.9	1145-1245	359	375.3		
1200-1215	0	0	69	15	2	2	1	88	92.1	1200-1300	359	375.2		
1215-1230	0	0	71	17	3	2	2	93	96.4	1215-1315	359	378.1		
1230-1245	0	1	73	16	3	1	0	93	95.3	1230-1330	358	377.8		
1245-1300	0	0	70	11	3	2	1	86	89.7	1245-1345	348	369.7		
1300-1315	0	1	67	11	6	3	2	88	95.1	1300-1400	349	372.1		
1315-1330	0	0	72	13	3	2	2	89	92.1	1315-1415	353	375.8		
1330-1345	0	1	65	11	4	3	0	83	86.9	1330-1430	335	357.4		
1345-1400	0	0	59	22	3	2	2	87	92.1	1345-1445	344	364.1		
1400-1415	0	0	68	17	4	3	1	93	98.8	1400-1500	353	372.7		
1415-1430	0	0	50	17	3	2	2	74	79.6	1415-1515	344	364.4		
1430-1445	0	1	70	16	5	1	0	91	93.6	1430-1530	345	361.1		
1445-1500	0	0	73	17	2	3	0	93	96.6	1445-1545	339	354.4		
1500-1515	0	0	61	14	4	2	4	86	90.7	1500-1600	344	366.1		
1515-1530	0	2	57	15	1	0	2	75	78.1	1515-1615	362	368.2		
1530-1545	0	0	68	15	2	1	1	85	86.9	1530-1630	392	399.7		
1545-1600	0	1	85	12	2	2	0	100	102.4	1545-1645	407	416.9		
1600-1615	1	0	85	15	0	1	1	102	102.8	1600-1700	415	426.5		
1615-1630	0	0	90	13	2	1	1	106	107.7	1615-1715	406	418.7		
1630-1645	2	0	82	9	4	2	2	100	104.1	1630-1730	410	424.2		
1645-1700	0	1	90	14	3	0	0	108	112.0	1645-1745	412	424.0		
1700-1715	0	1	82	8	0	1	2	93	95.0	1700-1800	401	409.9		
1715-1730	0	0	96	10	1	3	1	110	113.2	1715-1815	416	424.3		
1730-1745	0	1	89	9	2	1	1	102	104.8	1730-1830	407	414.1		
1745-1800	0	0	87	9	1	0	0	97	97.0	1745-1845	404	409.3		
1800-1815	0	1	96	10	0	2	1	108	109.4	1800-1900	412	421.7		
1815-1830	0	0	88	10	2	1	1	101	102.9					
1830-1845	0	1	84	13	1	0	2	99	100.0					
1845-1900	0	0	94	7	0	2	3	105	108.5					
Day Total	3	12	3516	691	129	66	61	4476	4677.4					

Kirklees Council - Dewsbury/Huddersfield Traffic Surveys

Dewsbury Site 5 (Average) Junction Turning Counts  
High St / Market St / Westgate / Regent St / Northgate / 5 George St / Cemetery Rd  
Date: Wednesday, 2nd & Thursday, 10th October 2019

Approach: B6117 Market St

Time	15 Minute Totals							Hourly Totals						
	PC	MC	CAR	LGV	OGV1	OGV2	PSV	Vehicles	PCUs	Hour	Vehicles	PCUs		
0700-0715	0	0	1	1	0	0	2	3	3.5	0700-0800	7	7.5		
0715-0730	0	0	1	1	0	0	2	3	3.5	0715-0815	8	7.8		
0730-0745	0	0	1	1	0	0	2	3	3.5	0730-0830	7	6.5		
0745-0800	0	0	2	1	0	0	3	5	5.5	0745-0845	8	8.3		
0800-0815	0	0	2	1	0	0	2	5	5.5	0800-0900	8	8.3		
0815-0830	0	0	1	1	0	0	2	3	3.5	0815-0915	8	7.8		
0830-0845	0	0	3	0	1	0	0	4	4.5	0830-0930	11	10.8		
0845-0900	0	0	2	1	0	0	1	4	4.5	0845-0945	10	10.0		
0900-0915	0	0	2	1	0	0	2	5	5.5	0900-1000	11	11.7		
0915-0930	0	0	3	1	0	0	4	8	8.5	0915-1015	15	15.7		
0930-0945	0	0	2	1	0	0	3	6	6.5	0930-1030	16	16.4		
0945-1000	0	0	3	1	0	1	4	8	8.5	0945-1045	20	20.7		
1000-1015	0	0	4	3	0	0	6	13	13.5	1000-1100	20	20.0		
1015-1030	0	0	3	1	0	0	4	8	8.5	1015-1115	19	19.0		
1030-1045	0	0	5	1	1	0	7	13	13.5	1030-1130	17	17.0		
1045-1100	0	0	3	1	0	0	4	8	8.5	1045-1145	15	14.5		
1100-1115	0	0	4	1	0	0	5	9	9.5	1100-1200	13	13.0		
1115-1130	0	0	3	0	0	0	3	6	6.5	1115-1215	13	13.0		
1130-1145	0	0	4	0	0	0	4	8	8.5	1130-1230	16	16.2		
1145-1200	0	0	1	1	0	0	2	4	4.5	1145-1245	13	13.4		
1200-1215	0	0	5	0	0	0	5	10	10.5	1200-1300	14	14.4		
1215-1230	0	0	4	1	0	1	6	11	11.5	1215-1315	16	16.0		
1230-1245	0	0	1	1	0	0	1	3	3.5	1230-1330	12	12.0		
1245-1300	0	0	3	0	0	0	3	6	6.5	1245-1345	13	13.5		
1300-1315	0	0	5	1	0	0	7	13	13.5	1300-1400	16	16.0		
1315-1330	0	0	2	0	0	0	2	4	4.5	1315-1415	12	12.0		
1330-1345	0	0	2	1	0	0	2	5	5.5	1330-1430	14	14.0		
1345-1400	0	0	4	2	0	0	6	12	12.5	1345-1445	17	16.5		
1400-1415	0	0	3	0	0	0	3	6	6.5	1400-1500	18	17.5		
1415-1430	0	0	3	1	0	0	4	8	8.5	1415-1515	18	18.0		
1430-1445	0	0	5	0	0	0	5	10	10.5	1430-1530	16	16.0		
1445-1500	0	0	6	1	0	0	7	13	13.5	1445-1545	13	12.5		
1500-1515	0	0	3	1	0	0	4	8	8.5	1500-1600	9	9.5		
1515-1530	0	0	1	1	0	0	2	4	4.5	1515-1615	9	9.2		
1530-1545	0	0	1	0	0	0	1	2	2.5	1530-1630	10	10.2		
1545-1600	0	0	2	1	0	0	3	5	5.5	1545-1645	11	11.7		
1600-1615	0	0	2	1	0	1	4	7	7.5	1600-1700	12	12.7		
1615-1630	0	0	3	0	0	0	3	6	6.5	1615-1715	10	9.5		
1630-1645	0	0	3	0	0	0	3	6	6.5	1630-1730	9	8.5		
1645-1700	0	0	4	0	0	0	4	8	8.5	1645-1745	9	9.0		
1700-1715	0	0	1	0	0	0	1	2	2.5	1700-1800	8	7.5		
1715-1730	0	0	2	0	0	0	2	4	4.5	1715-1815	11	11.0		
1730-1745	0	0	3	0	0	0	3	6	6.5	1730-1830	12	12.0		
1745-1800	0	0	2	1	0	0	2	5	5.5	1745-1845	11	11.5		
1800-1815	0	0	4	1	0	0	5	9	9.5	1800-1900	11	11.5		
1815-1830	0	0	2	0	0	0	2	4	4.5					
1830-1845	0	0												

Approach: A638 Westgate

Time	A638 Westgate: Approach Total							15 Minute Totals							Hourly Totals						
	PC	MC	CAR	LGV	OGV1	OGV2	PSV	Vehicles	PCUs	Hour	Vehicles	PCUs	Hour	Vehicles	PCUs	Hour	Vehicles	PCUs			
0700-0715	0	1	84	11	3	2	100	108.2	414	408.3	0700-0800	414	408.3	0	0	0	0	0	0		
0715-0730	1	1	104	15	3	1	125	128.4	471.5	465.5	0715-0800	471.5	465.5	0	0	0	0	0	0		
0730-0745	1	1	133	17	2	2	137	141.4	470.0	460.0	0730-0800	470.0	460.0	0	0	0	0	0	0		
0745-0800	0	0	94	22	3	1	121	125.8	415	406.1	0745-0800	415	406.1	0	0	0	0	0	0		
0800-0815	0	1	97	17	4	2	124	131.9	430.0	424.5	0800-0900	430.0	424.5	0	0	0	0	0	0		
0815-0830	0	0	89	18	1	1	109	111.1	411.0	404.0	0815-0900	411.0	404.0	0	0	0	0	0	0		
0830-0845	0	1	79	16	2	2	102	107.5	403.0	397.0	0830-0900	403.0	397.0	0	0	0	0	0	0		
0845-0900	0	0	80	11	2	2	98	104.1	384.0	378.0	0845-0900	384.0	378.0	0	0	0	0	0	0		
0900-0915	0	1	87	16	3	2	108	111.9	400.0	394.0	0900-1000	400.0	394.0	0	0	0	0	0	0		
0915-0930	0	1	87	22	4	3	119	127.2	414	408.5	0915-1000	414	408.5	0	0	0	0	0	0		
0930-0945	0	0	73	18	6	3	101	107.8	390.0	384.0	0930-1000	390.0	384.0	0	0	0	0	0	0		
0945-1000	1	1	78	23	6	2	120	125.5	425	420.0	0945-1000	425	420.0	0	0	0	0	0	0		
1000-1015	0	0	71	25	5	1	104	109.1	400.0	394.0	1000-1100	400.0	394.0	0	0	0	0	0	0		
1015-1030	0	0	75	19	8	2	104	110.2	405	400.0	1015-1100	405	400.0	0	0	0	0	0	0		
1030-1045	0	0	75	22	6	2	107	114.9	400	394.0	1030-1100	400	394.0	0	0	0	0	0	0		
1045-1100	0	1	78	19	5	4	106	115.8	401	395.0	1045-1100	401	395.0	0	0	0	0	0	0		
1100-1115	0	1	75	22	5	4	107	114.5	400	394.0	1100-1115	400	394.0	0	0	0	0	0	0		
1115-1130	0	0	78	18	6	2	107	114.5	400	394.0	1115-1200	400	394.0	0	0	0	0	0	0		
1130-1145	0	1	74	21	2	2	100	105.6	387	382.0	1130-1200	387	382.0	0	0	0	0	0	0		
1145-1200	0	0	67	17	5	1	91	94.6	354	349.0	1145-1200	354	349.0	0	0	0	0	0	0		
1200-1215	0	0	72	15	2	2	92	96.7	350	345.0	1200-1300	350	345.0	0	0	0	0	0	0		
1215-1230	0	0	77	19	5	2	100	102.4	371	366.0	1215-1300	371	366.0	0	0	0	0	0	0		
1230-1245	0	1	88	17	5	2	113	118.2	400	395.0	1230-1300	400	395.0	0	0	0	0	0	0		
1245-1300	0	0	77	18	4	2	104	110.9	395	390.0	1245-1300	395	390.0	0	0	0	0	0	0		
1300-1315	0	0	88	16	4	0	109	113.0	400	395.0	1300-1400	400	395.0	0	0	0	0	0	0		
1315-1330	0	1	80	14	3	1	100	103.0	380	375.0	1315-1400	380	375.0	0	0	0	0	0	0		
1330-1345	0	1	85	18	4	3	111	117.4	400	395.0	1330-1400	400	395.0	0	0	0	0	0	0		
1345-1400	0	0	92	15	5	3	115	122.5	400	395.0	1345-1400	400	395.0	0	0	0	0	0	0		
1400-1415	0	0	72	16	4	4	96	103.0	380	375.0	1400-1500	380	375.0	0	0	0	0	0	0		
1415-1430	0	0	79	17	4	1	104	109.3	395	390.0	1415-1500	395	390.0	0	0	0	0	0	0		
1430-1445	0	1	79	21	3	2	106	114.6	400	395.0	1430-1500	400	395.0	0	0	0	0	0	0		
1445-1500	0	0	67	22	3	2	97	103.5	380	375.0	1445-1500	380	375.0	0	0	0	0	0	0		
1500-1515	0	0	87	17	5	2	112	117.4	400	395.0	1500-1600	400	395.0	0	0	0	0	0	0		
1515-1530	0	1	80	17	5	3	106	112.4	400	395.0	1515-1600	400	395.0	0	0	0	0	0	0		
1530-1545	0	0	79	20	4	1	104	107.3	390	385.0	1530-1600	390	385.0	0	0	0	0	0	0		
1545-1600	0	1	81	18	4	2	106	111.7	400	395.0	1545-1600	400	395.0	0	0	0	0	0	0		
1600-1615	0	0	87	16	2	2	109	114.5	400	395.0	1600-1700	400	395.0	0	0	0	0	0	0		
1615-1630	0	1	88	19	2	2	112	116.3	400	395.0	1615-1700	400	395.0	0	0	0	0	0	0		
1630-1645	1	1	87	17	3	2	112	116.6	400	395.0	1630-1700	400	395.0	0	0	0	0	0	0		
1645-1700	1	2	93	11	2	3	113	116.9	400	395.0	1645-1700	400	395.0	0	0	0	0	0	0		
1700-1715	0	1	93	14	1	1	113	116.6	400	395.0	1700-1800	400	395.0	0	0	0	0	0	0		
1715-1730	0	0	105	15	0	3	123	125.5	400	395.0	1715-1800	400	395.0	0	0	0	0	0	0		
1730-1745	0	0	102	13	2	2	123	125.9	400	395.0	1730-1800	400	395.0	0	0	0	0	0	0		
1745-1800	0	1	104	15	1	2	123	125.9	400	395.0	1745-1800	400	395.0	0	0	0	0	0	0		
1800-1815	0	1	103	11	3	0	123	126.0	400	395.0	1800-1900	400	395.0	0	0	0	0	0	0		
1815-1830	0	1	117	6	1	2	127	130.0	400	395.0	1815-1900	400	395.0	0	0	0	0	0	0		
1830-1845	0	1	98	9	1	0	112	116.0	400	395.0	1830-1900	400	395.0	0	0	0	0	0	0		
1845-1900	0	2	91	7	0	1	107	112.8	400	395.0	1845-1900	400	395.0	0	0	0	0	0	0		
Day Total	3	20	4111	791	144	90	5255	5524.0			Day Total	5255	5524.0								

Approach: A638 Westgate

Time	05 11 - First Left to Regent Rd							15 Minute Totals							Hourly Totals						
	PC	MC	CAR	LGV	OGV1	OGV2	PSV	Vehicles	PCUs	Hour	Vehicles	PCUs	Hour	Vehicles	PCUs	Hour	Vehicles	PCUs			
0700-0715	0	0	0	0	0	0	2	2	4.0	4.0	0700-0800	4.0	4.0	0	0	0	0	0			
0715-0730	0	0	0	0	0	0	1	1	2.2	2.2	0715-0800	2.2	2.2	0	0	0	0	0			
0730-0745	0	0	0	0	0	0	1	2	3.2	3.2	0730-0800	3.2	3.2	0	0	0	0	0			
0745-0800	0	0	1	0	0	0	1	2	3.0	3.0	0745-0800	3.0	3.0	0	0	0	0	0			
0800-0815	0	0	0	0	0	0	0	2	2	4.0	4.0	0800-0900	4.0	4.0	0	0	0	0			
0815-0830	0	0	0	0	0	0	0	1	2.0	2.0	0815-0900	2.0	2.0	0	0	0	0	0			
0830-0845	0	0	1	0	0	0	1	2	2.5	2.5	0830-0900	2.5	2.5	0	0	0	0	0			
0845-0900	0	0	0	0	0	0	0	3	3.0	3.0	0845-0900	3.0	3.0	0	0	0	0	0			
0900-0915	0	0	1	0	0	0	1	2	2.5	2.5	0900-1000	2.5	2.5	0	0	0	0	0			
0915-0930	0	0	0	0	0	0	0	3	3.0	3.0	0915-1000	3.0	3.0	0	0	0	0	0			
0930-0945	0	0	0	0	0	0	0	1	2.0	2.0	0930-1000	2.0	2.0	0	0	0	0	0			
0945-1000	0	0	0	0	0	0	0	1	2.0	2.0	0945-1000	2.0	2.0	0	0	0	0	0			
1000-1015	0	0	1	1	0	0	1	2	3.0	3.0	1000-1100	3.0	3								



