



Liverpool Temporary Film Studios

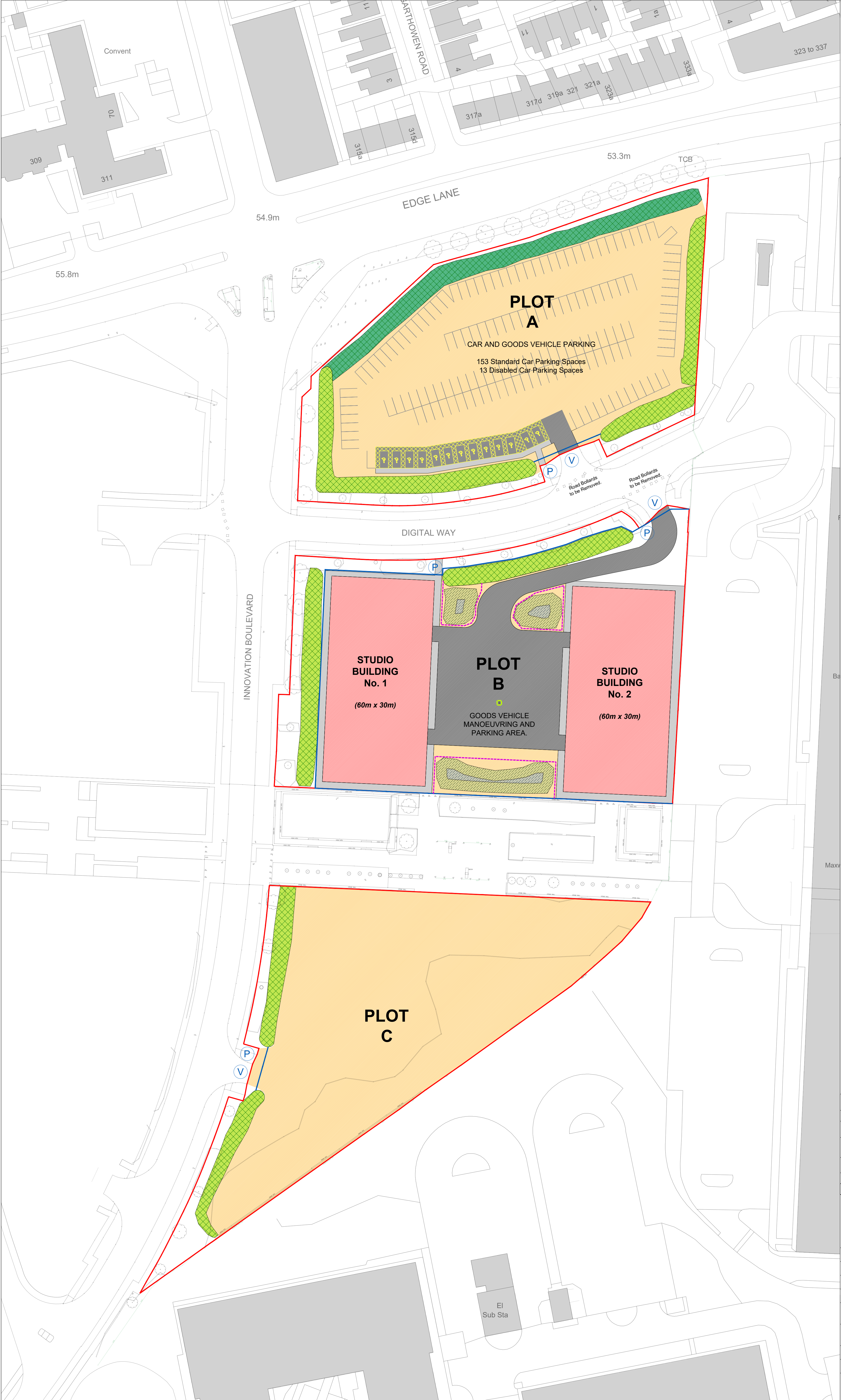
Transport Statement

Appendices

August 2020

TFS-FC-HAC-00-RE-CH-001 – P02

APPENDIX A Proposed Site Layout Plan



Notes

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KEY

- SITE BOUNDARY
- VEHICULAR GRADE SURFACING.
To be Tarmac surface laid to falls, suitable surface for Heavy Vehicle Movements.
- PEDESTRIAN FOOTWAY.
To be Tarmac surface laid to falls, suitable for pedestrian footfall and DDA Level Access.
- HARDSTANDING FOR LIGHT VEHICLE ACCESS.
Type 1 MOT Compacted and laid to falls, suitable for light vehicle movements only.
- EXISTING PERIMETER BUNDS TO BE RETAINED.
- PROPOSED PERIMETER GRASSED BUND.
Bund to be formed from spoil from existing site strip and alterations, height to match existing.
Bunds finished with a cover of topsoil recovered from the site alterations, and to be planted up with appropriate species of wildflowers.
- PROPOSED WILDOFLOWER PLANTING TO EXISTING/PROPOSED BUNDS.
Exact mix to be confirmed when subsoil composition known.
- SURFACE WATER TEMPORARY DETENTION AREAS.
- NEW PERIMETER WELDMESH FENCE.
Height: 2.4m
Colour: Green
- INDICATES POSITION OF NEW PEDESTRIAN ACCESS GATE WITHIN WELDMESH FENCING.
Width: 1.2m
- INDICATES POSITION OF NEW VEHICLE ACCESS GATES WITHIN WELDMESH FENCING.
Width: To match Bellmouth Width
- TREATED TIMBER POST AND RAIL FENCE.
1m high post and rail fence for edge protection to water retention areas. Rails at 900mm and 450mm above Surface.
- CRASH PROTECTION GUARD RAIL.
1m High Heavy Duty Steel Guard Rail painted Yellow, suitable to protect Light columns from HGV's.
- INDICATES EXISTING LEVELS
- INDICATES PROPOSED LEVELS

NOTE

AREAS OF EXISTING BUND ARE TO BE REMOVED ADJACENT TO EACH OF THE 3No. EXISTING BELMOUTHS.

A LENGTH OF BUND ADJACENT TO STUDIO BUILDING No. 1 ALSO REQUIRES REMOVAL.

N

P06	Amendments to Plot A surface finishes by Morgan Sindall request. Issued for Stage Approval.	AB	GT	GT
		28.08.20	28.08.20	28.08.20
P05	Issued for Stage Approval.	AB	GT	GT
		10.08.20	10.08.20	10.08.20
P04	Surface Finish materials amended to all plots. Surface water attenuation ponds added including guarding.	AB	GT	GT
		07.08.20	07.08.20	07.08.20
P03	Amendments to Plot B. Building footprints and associated circulation routes amended. West Fence Line amended to avoid mature trees.	AB	GT	GT
		06.08.20	06.08.20	06.08.20
P02	Amendments to Plot A finish. Bund added to Plot A and pedestrian level access added to Plot B.	AB	GT	GT
		03.08.20	03.08.20	03.08.20
P01	First Issue	AB	GT	GT
		28.07.20	28.07.20	28.07.20
Rev.	Details	Author & Date	Checked & Date	Approved & Date

Issuing Office
LIVERPOOL

email

Internal Project Number
031658

Client
Morgan Sindall

Project name
Liverpool - Pop Up Studios

Drawing Title
Proposed GA Plan - Site General Arrangement

Scale	Original Size	RIBA Stage	
1:500	A1	Stage 03	
Date of First Issue	Author	Checked	Approved
28/07/2020	AB	GT	GT

Drawing Number
031658-DBS-XX-XX-DR-A-1200

Project Originator Volume Type Role Number	Status
	S4
	Rev. P06

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APPENDIX B TRICS Output Data

TRICS 7.7.2

Trip Rate Para Gross floor area

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

Calculation Factor: 100 sqm

Count Type: VEHICLES

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
06:00-06:30	2	65050	0.158	2	65050	0.02	2	65050	0.178
06:30-07:00	2	65050	0.244	2	65050	0.042	2	65050	0.286
07:00-07:30	67	6902	0.145	67	6902	0.018	67	6902	0.163
07:30-08:00	67	6902	0.301	67	6902	0.041	67	6902	0.342
08:00-08:30	69	6711	0.398	69	6711	0.045	69	6711	0.443
08:30-09:00	69	6711	0.458	69	6711	0.06	69	6711	0.518
09:00-09:30	69	6711	0.347	69	6711	0.063	69	6711	0.41
09:30-10:00	69	6711	0.218	69	6711	0.08	69	6711	0.298
10:00-10:30	69	6711	0.123	69	6711	0.077	69	6711	0.2
10:30-11:00	69	6711	0.091	69	6711	0.067	69	6711	0.158
11:00-11:30	69	6711	0.072	69	6711	0.065	69	6711	0.137
11:30-12:00	69	6711	0.084	69	6711	0.069	69	6711	0.153
12:00-12:30	69	6711	0.086	69	6711	0.106	69	6711	0.192
12:30-13:00	69	6711	0.1	69	6711	0.119	69	6711	0.219
13:00-13:30	69	6711	0.099	69	6711	0.106	69	6711	0.205
13:30-14:00	69	6711	0.102	69	6711	0.097	69	6711	0.199
14:00-14:30	69	6711	0.088	69	6711	0.078	69	6711	0.166
14:30-15:00	69	6711	0.07	69	6711	0.107	69	6711	0.177
15:00-15:30	69	6711	0.054	69	6711	0.126	69	6711	0.18
15:30-16:00	69	6711	0.053	69	6711	0.143	69	6711	0.196
16:00-16:30	69	6711	0.054	69	6711	0.258	69	6711	0.312
16:30-17:00	69	6711	0.056	69	6711	0.277	69	6711	0.333
17:00-17:30	69	6711	0.048	69	6711	0.444	69	6711	0.492
17:30-18:00	69	6711	0.038	69	6711	0.314	69	6711	0.352
18:00-18:30	66	6988	0.023	66	6988	0.207	66	6988	0.23
18:30-19:00	65	7089	0.023	65	7089	0.111	65	7089	0.134
19:00-19:30	1	120000	0.027	1	120000	0.117	1	120000	0.144
19:30-20:00	1	120000	0.02	1	120000	0.11	1	120000	0.13
20:00-20:30	1	120000	0.021	1	120000	0.058	1	120000	0.079
20:30-21:00	1	120000	0.015	1	120000	0.031	1	120000	0.046
21:00-21:30	1	120000	0.031	1	120000	0.039	1	120000	0.07
21:30-22:00	1	120000	0.017	1	120000	0.033	1	120000	0.05
22:00-22:30									
22:30-23:00									
23:00-23:30									
23:30-24:00									
Daily Trip Rates:			3.664			3.528			7.192

TRICS 7.7.2

Trip Rate Parameter: Gross floor area

TRIP RATE for Land Use 02 - EMPLOYMENT/C - INDUSTRIAL UNIT

Calculation Factor: 100 sqm

Count Type: VEHICLES

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
05:00-05:30	2	33930	0.214	2	33930	0.001	2	33930	0.215
05:30-06:00	2	33930	0.315	2	33930	0.004	2	33930	0.319
06:00-06:30	5	19737	0.087	5	19737	0.035	5	19737	0.122
06:30-07:00	6	16839	0.256	6	16839	0.032	6	16839	0.288
07:00-07:30	40	7834	0.122	40	7834	0.025	40	7834	0.147
07:30-08:00	40	7834	0.19	40	7834	0.033	40	7834	0.223
08:00-08:30	41	7689	0.155	41	7689	0.033	41	7689	0.188
08:30-09:00	41	7689	0.104	41	7689	0.03	41	7689	0.134
09:00-09:30	41	7689	0.068	41	7689	0.032	41	7689	0.1
09:30-10:00	41	7689	0.064	41	7689	0.048	41	7689	0.112
10:00-10:30	41	7689	0.054	41	7689	0.042	41	7689	0.096
10:30-11:00	41	7689	0.052	41	7689	0.04	41	7689	0.092
11:00-11:30	41	7689	0.041	41	7689	0.042	41	7689	0.083
11:30-12:00	41	7689	0.043	41	7689	0.039	41	7689	0.082
12:00-12:30	41	7689	0.051	41	7689	0.056	41	7689	0.107
12:30-13:00	41	7689	0.055	41	7689	0.068	41	7689	0.123
13:00-13:30	41	7689	0.061	41	7689	0.07	41	7689	0.131
13:30-14:00	41	7689	0.097	41	7689	0.052	41	7689	0.149
14:00-14:30	41	7689	0.082	41	7689	0.067	41	7689	0.149
14:30-15:00	41	7689	0.102	41	7689	0.142	41	7689	0.244
15:00-15:30	41	7689	0.041	41	7689	0.09	41	7689	0.131
15:30-16:00	41	7689	0.066	41	7689	0.108	41	7689	0.174
16:00-16:30	41	7689	0.04	41	7689	0.148	41	7689	0.188
16:30-17:00	41	7689	0.031	41	7689	0.14	41	7689	0.171
17:00-17:30	41	7689	0.03	41	7689	0.134	41	7689	0.164
17:30-18:00	41	7689	0.03	41	7689	0.127	41	7689	0.157
18:00-18:30	40	7728	0.02	40	7728	0.08	40	7728	0.1
18:30-19:00	39	7866	0.009	39	7866	0.04	39	7866	0.049
19:00-19:30	3	30592	0.004	3	30592	0.005	3	30592	0.009
19:30-20:00	3	30592	0.003	3	30592	0.012	3	30592	0.015
20:00-20:30	2	40200	0.001	2	40200	0.015	2	40200	0.016
20:30-21:00	2	40200	0	2	40200	0.002	2	40200	0.002
21:00-21:30	1	80000	0	1	80000	0	1	80000	0
21:30-22:00	1	80000	0	1	80000	0	1	80000	0
22:00-22:30									
22:30-23:00									
23:00-23:30									
23:30-24:00									
Daily Trip Rates:			2.488			1.792			4.28

Daily Trip Rates:

1.843

1.825

3.668

APPENDIX C Traffic Flows

Temporary Film Studios - Edge Lane

Traffic Flows Spreadsheet - Edge Lane/Innovation Boulevard



Additional Trips		Innovation Boulevard
PM	AM	
0	10	



Innovation Boulevard	Additional Trips	
	AM	PM
	11	1

Notes:

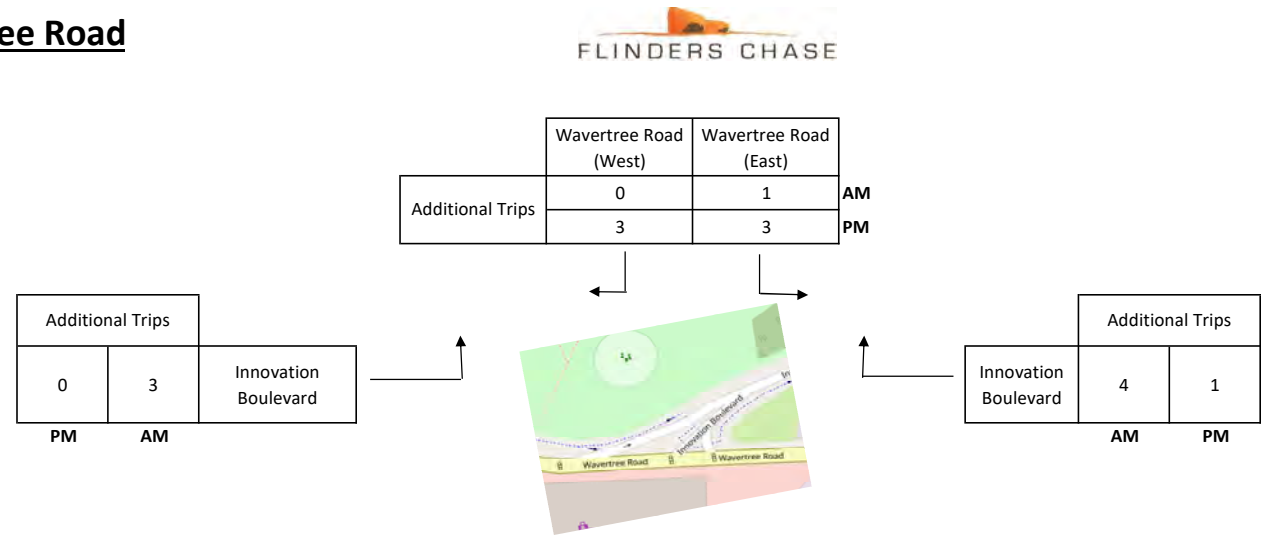
1. The AM Peak Hour selected as most appropriate to the new development is 08:00 to 09:00
2. The PM Peak Hour selected as most appropriate to the new development is 17:00-18:00.
3. All traffic flows in PCU's

Additional Trips	Edge Lane (West)	Edge Lane (East)	
	1	2	
	10	10	

Temporary Film Studios - Wavertree Road

Traffic Flows Spreadsheet - Edge

Lane/Innovation Boulevard



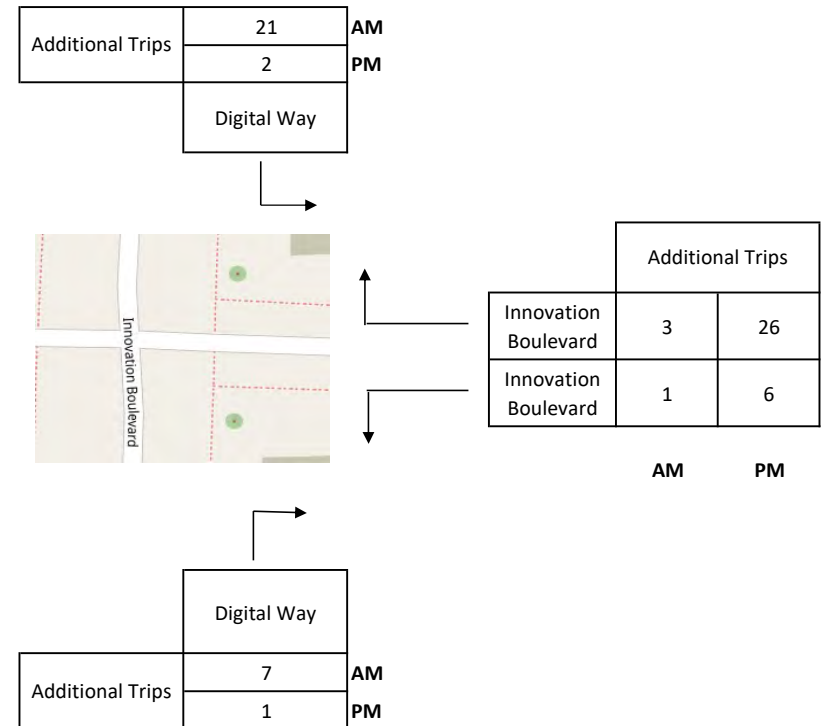
Notes:

1. The AM Peak Hour selected as most appropriate to the new development is 08:00 to 09:00
2. The PM Peak Hour selected as most appropriate to the new development is 17:00-18:00.
3. All traffic flows in PCU's

Temporary Film Studios - Digital Way

Traffic Flows Spreadsheet - Digital

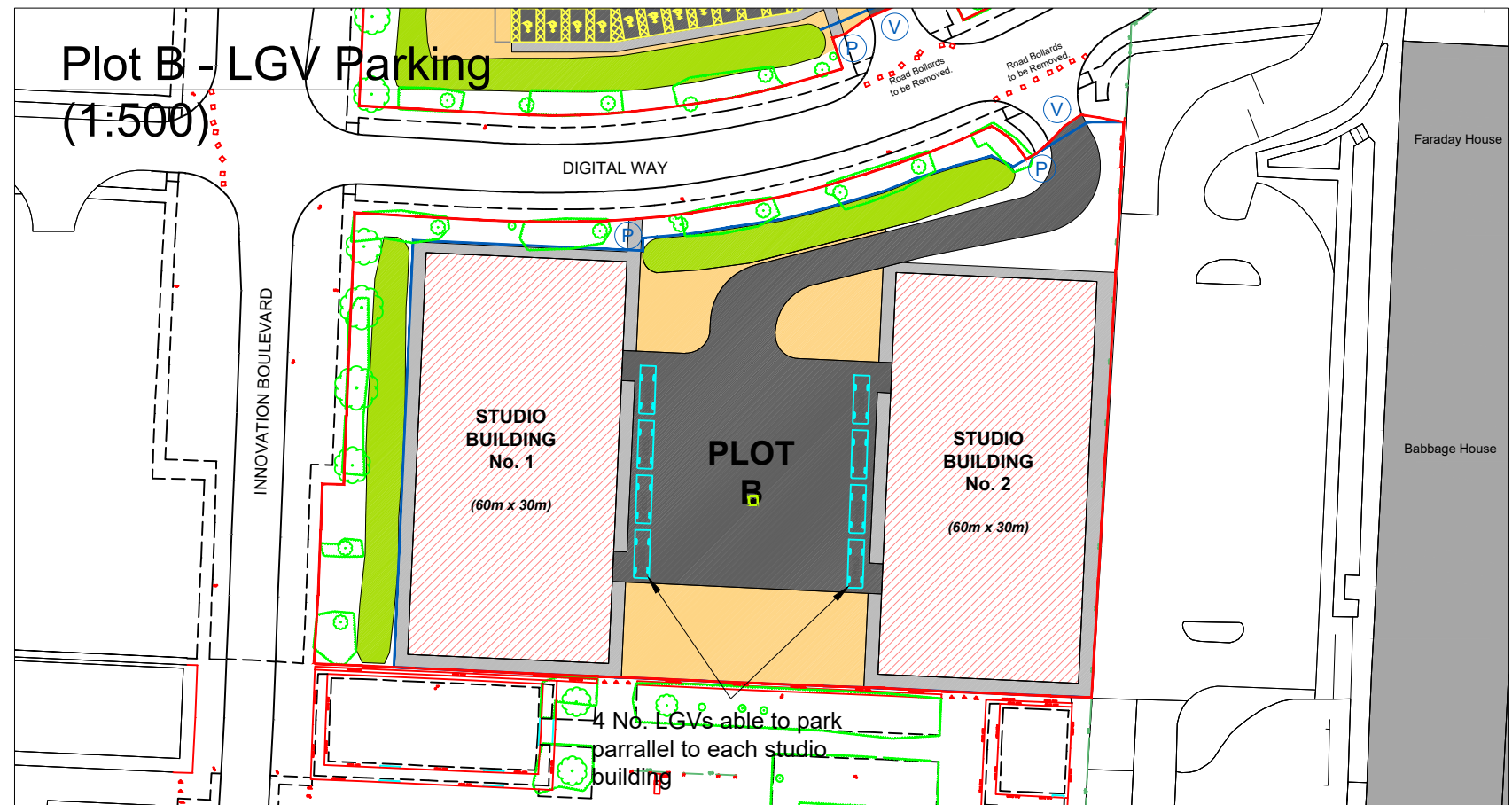
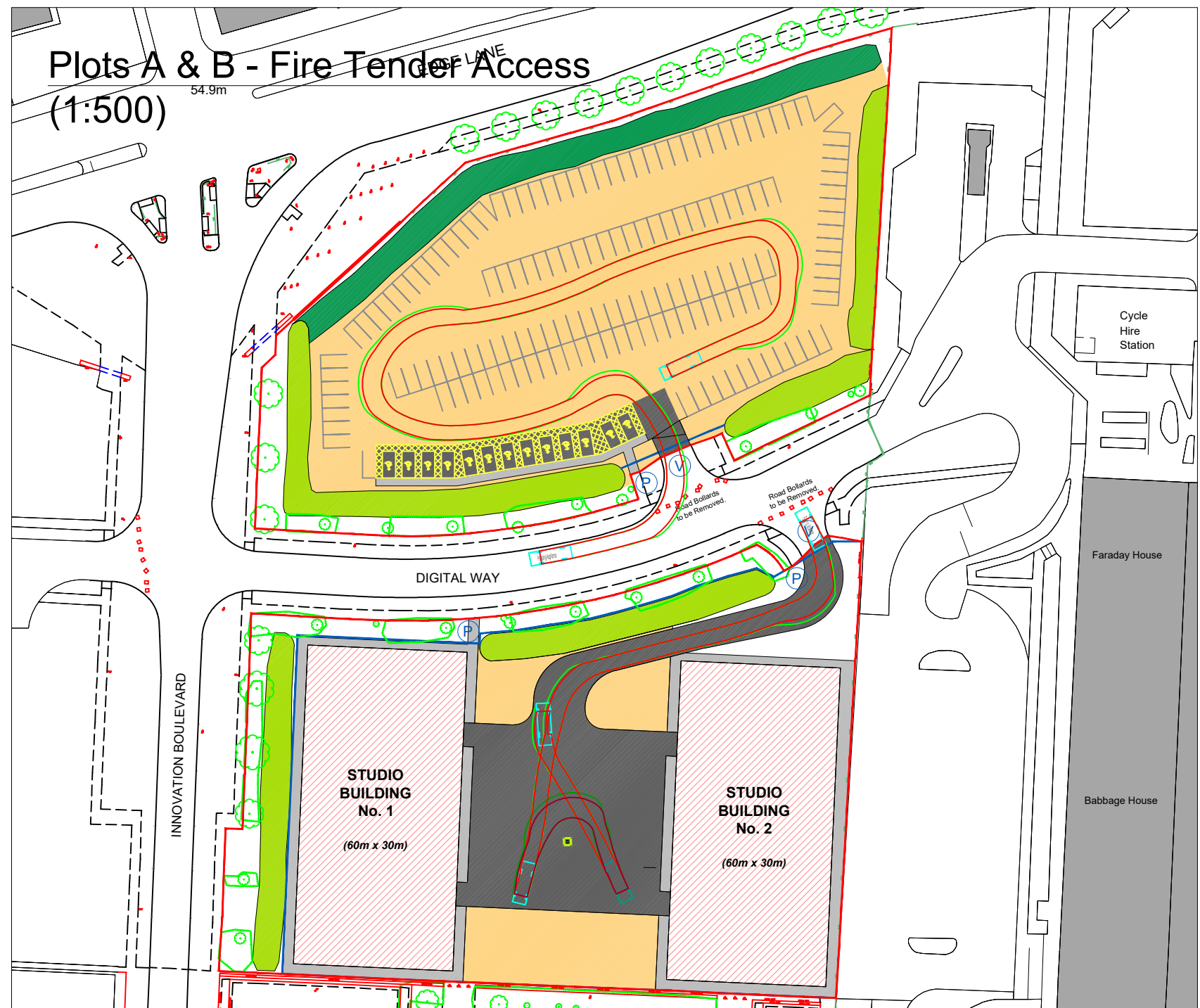
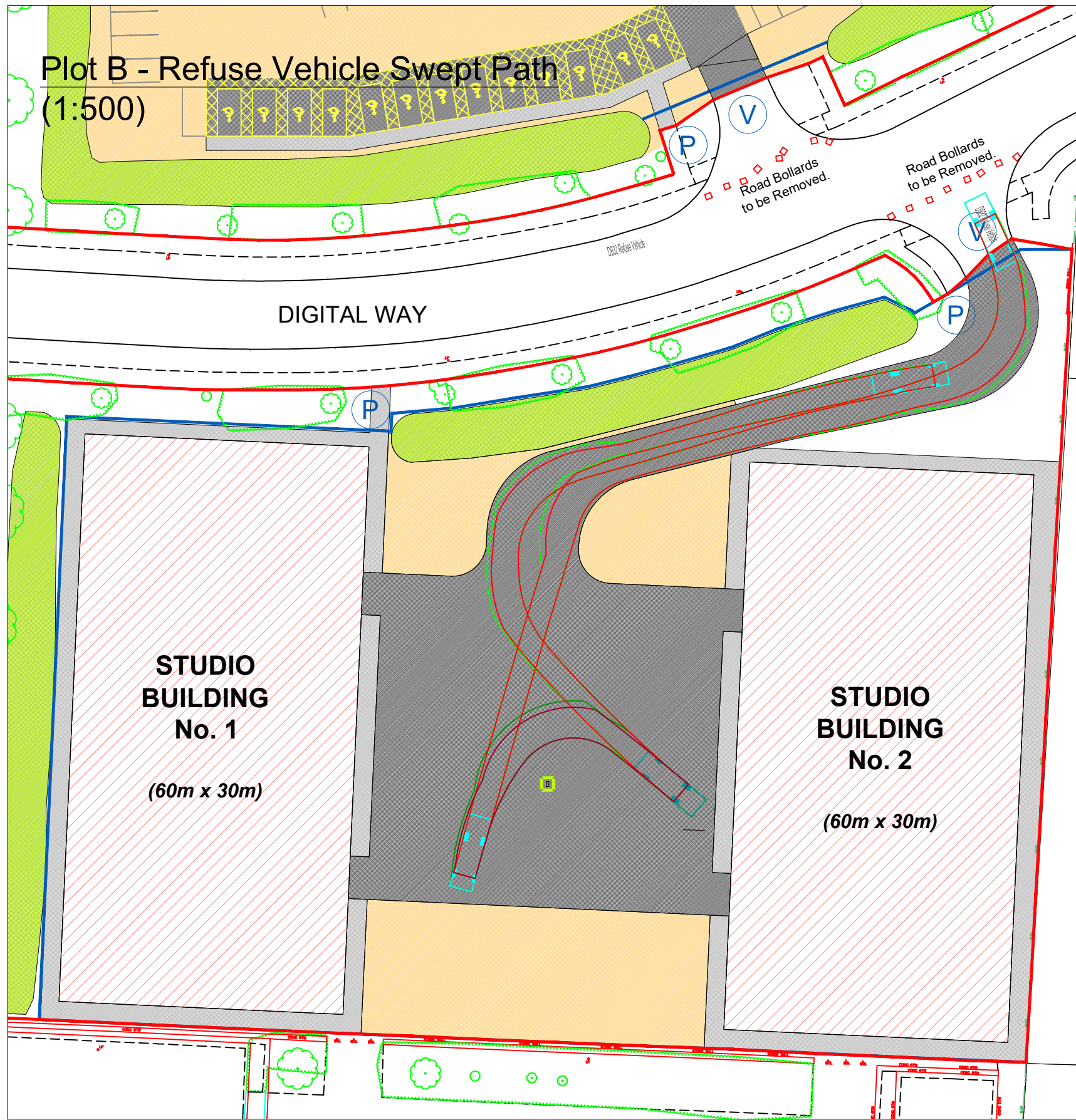
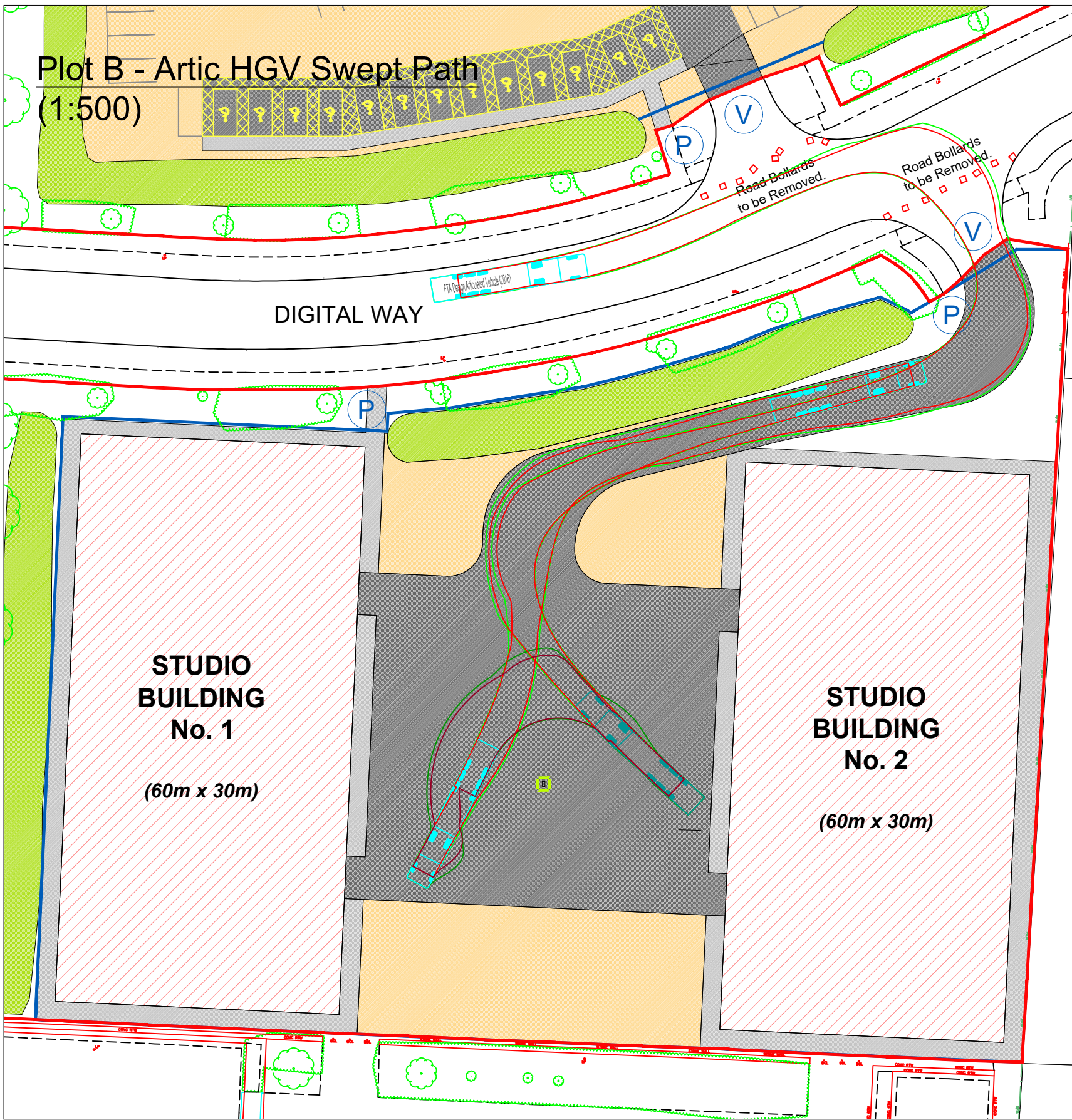
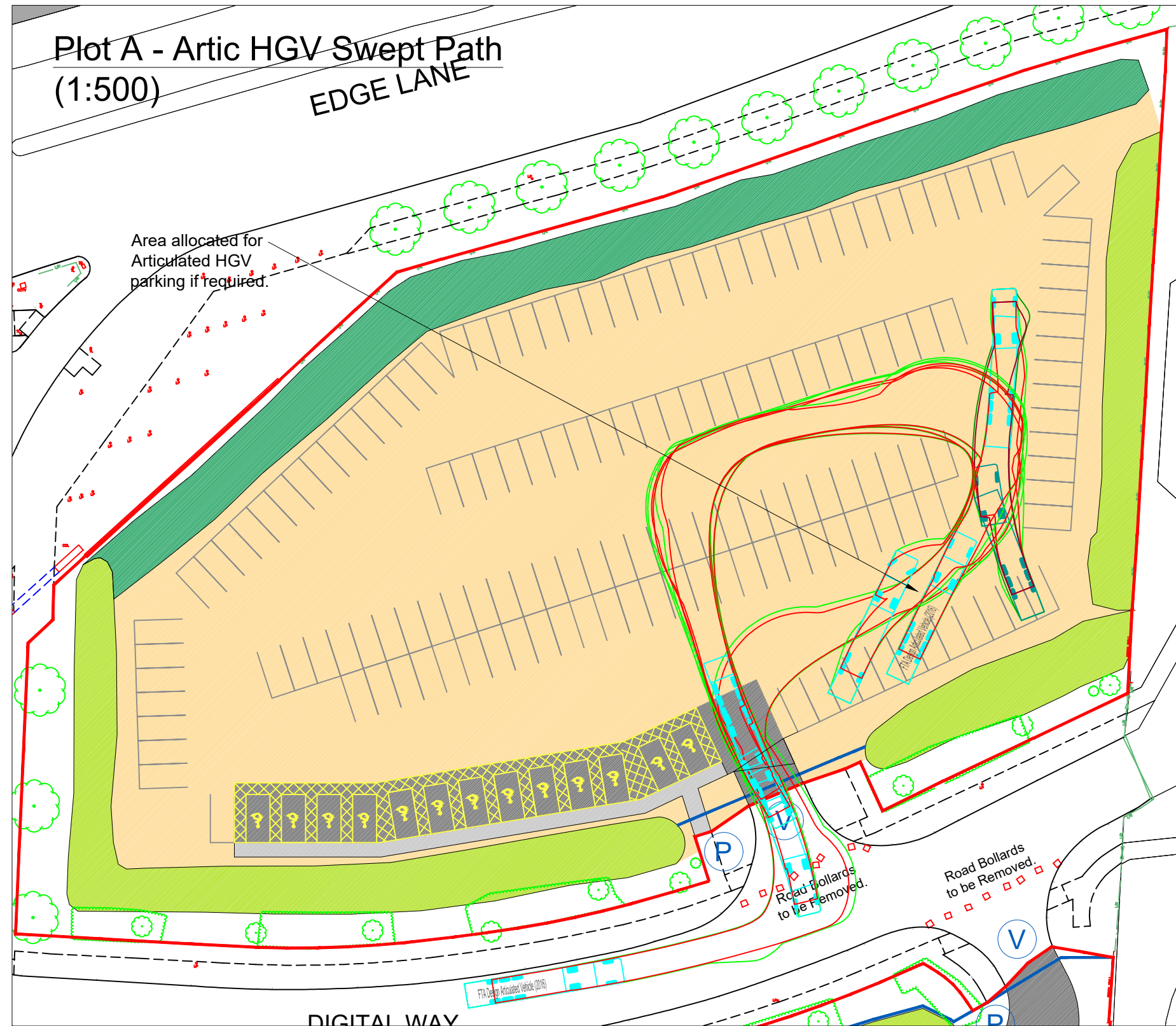
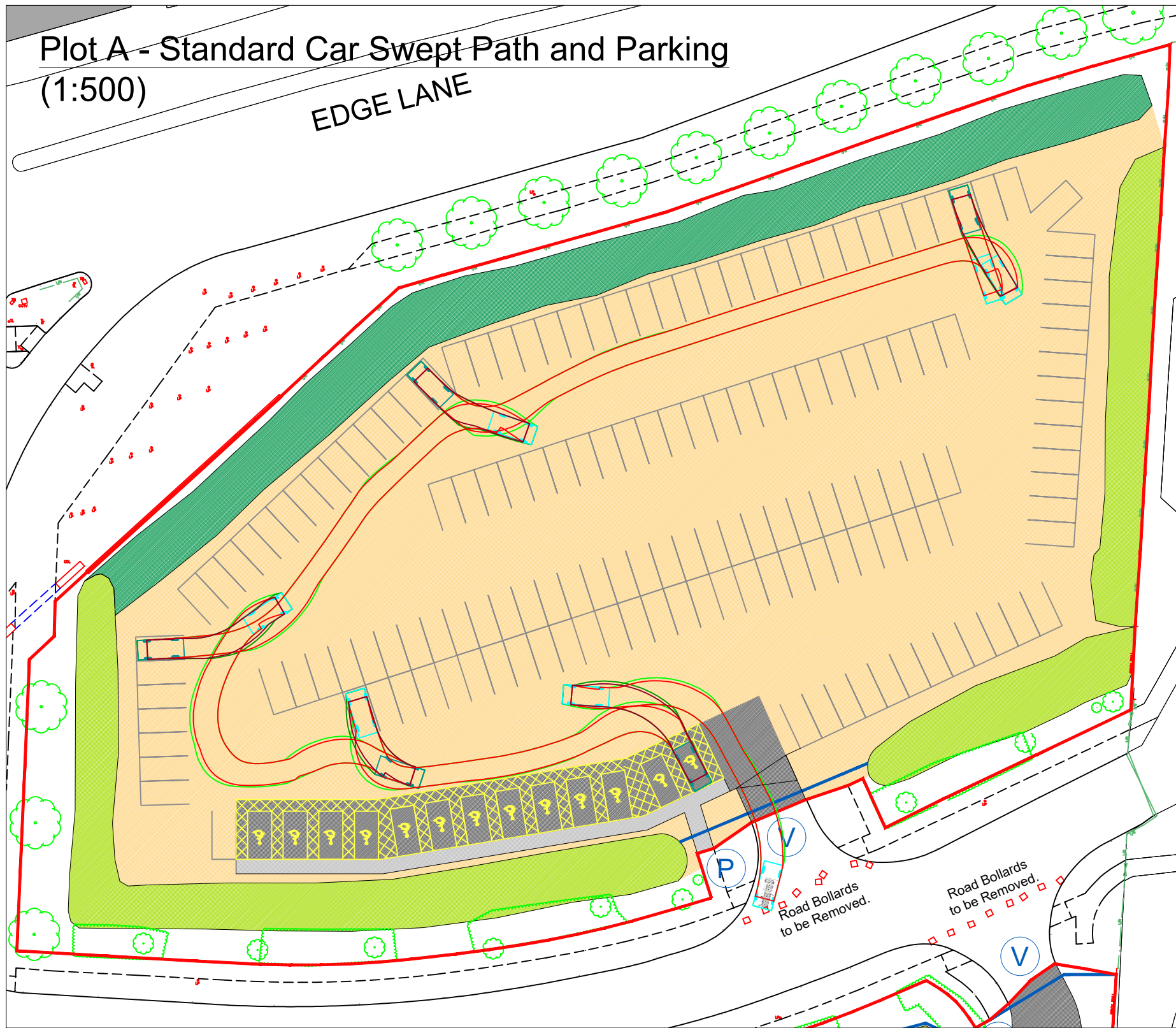
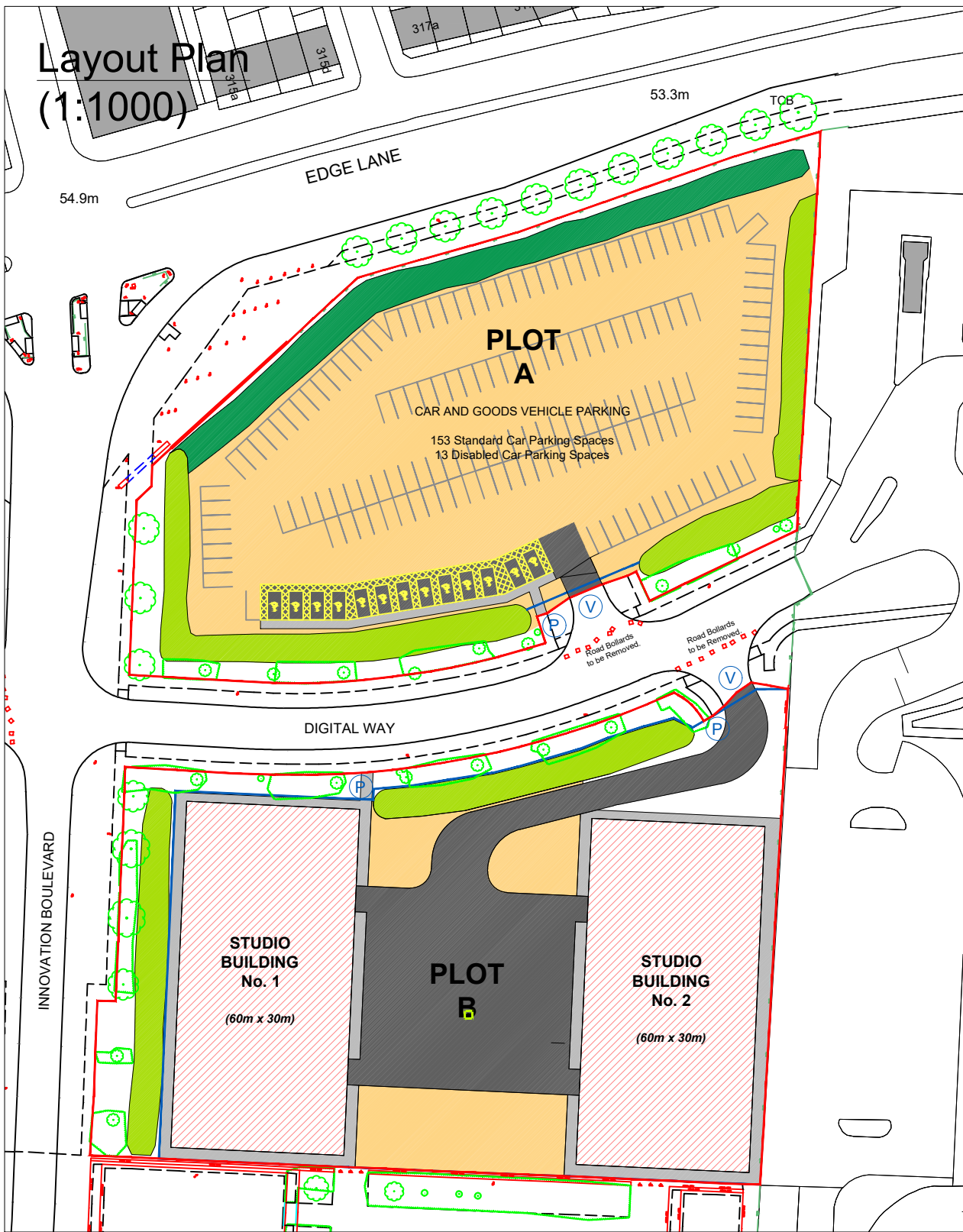
Way/Innovation Boulevard



Notes:

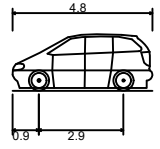
1. The AM Peak Hour selected as most appropriate to the new development is 08:00 to 09:00
2. The PM Peak Hour selected as most appropriate to the new development is 17:00-18:00.
3. All traffic flows in PCU's

APPENDIX D Swept Path Analyses

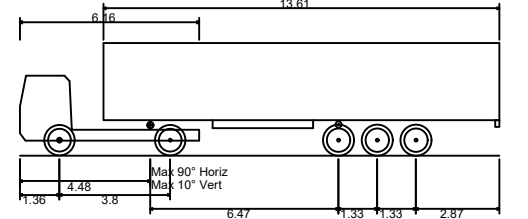


Notes

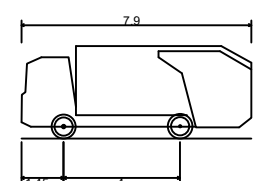
1. Details of the Standard Car, Artic HGV, Refuse Vehicle, Fire Tender and LGV are shown below:



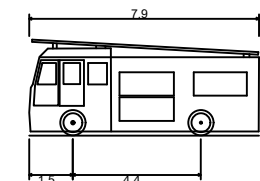
Standard Design Vehicle (SDV)
Overall Length 4.800m
Overall Width 2.000m
Overall Body Height 1.950m
Min Body Ground Clearance 0.100m
Track Width 2.000m
Lock-to-lock time 4.00s
Wall to Wall Turning Radius 6.000m



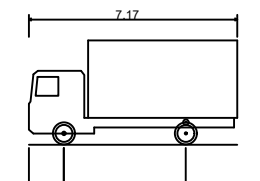
FTA Design Articulated Vehicle (2016)
Overall Length 16.480m
Overall Width 2.500m
Overall Body Height 3.870m
Min Body Ground Clearance 0.515m
Max Track Width 2.470m
Lock-to-lock time 3.00s
Curb to Curb Turning Radius 6.600m



DB32 Refuse Vehicle
Overall Length 7.900m
Overall Width 2.400m
Overall Body Height 3.180m
Min Body Ground Clearance 0.388m
Max Track Width 2.400m
Lock-to-lock time 6.00s
Curb to Curb Turning Radius 9.625m



Pumping Appliance
Overall Length 7.900m
Overall Width 2.500m
Overall Body Height 3.300m
Min Body Ground Clearance 0.140m
Track Width 2.500m
Lock-to-lock time 4.00s
Curb to Curb Turning Radius 7.750m



FTA Design 7.5 Tonne Rigid Vehicle (2016)
Overall Length 7.170m
Overall Width 2.300m
Overall Body Height 3.580m
Min Body Ground Clearance 0.375m
Track Width 2.120m
Lock-to-lock time 3.00s
Curb to Curb Turning Radius 7.000m

P02	08/20	LT	Specification Changes	IY	IY
P01	08/20	LT	For Information	IY	IY
Rev	Date	Drawn	Description	Ch'kd	App'd



Project.
Liverpool Temporary Film Studios

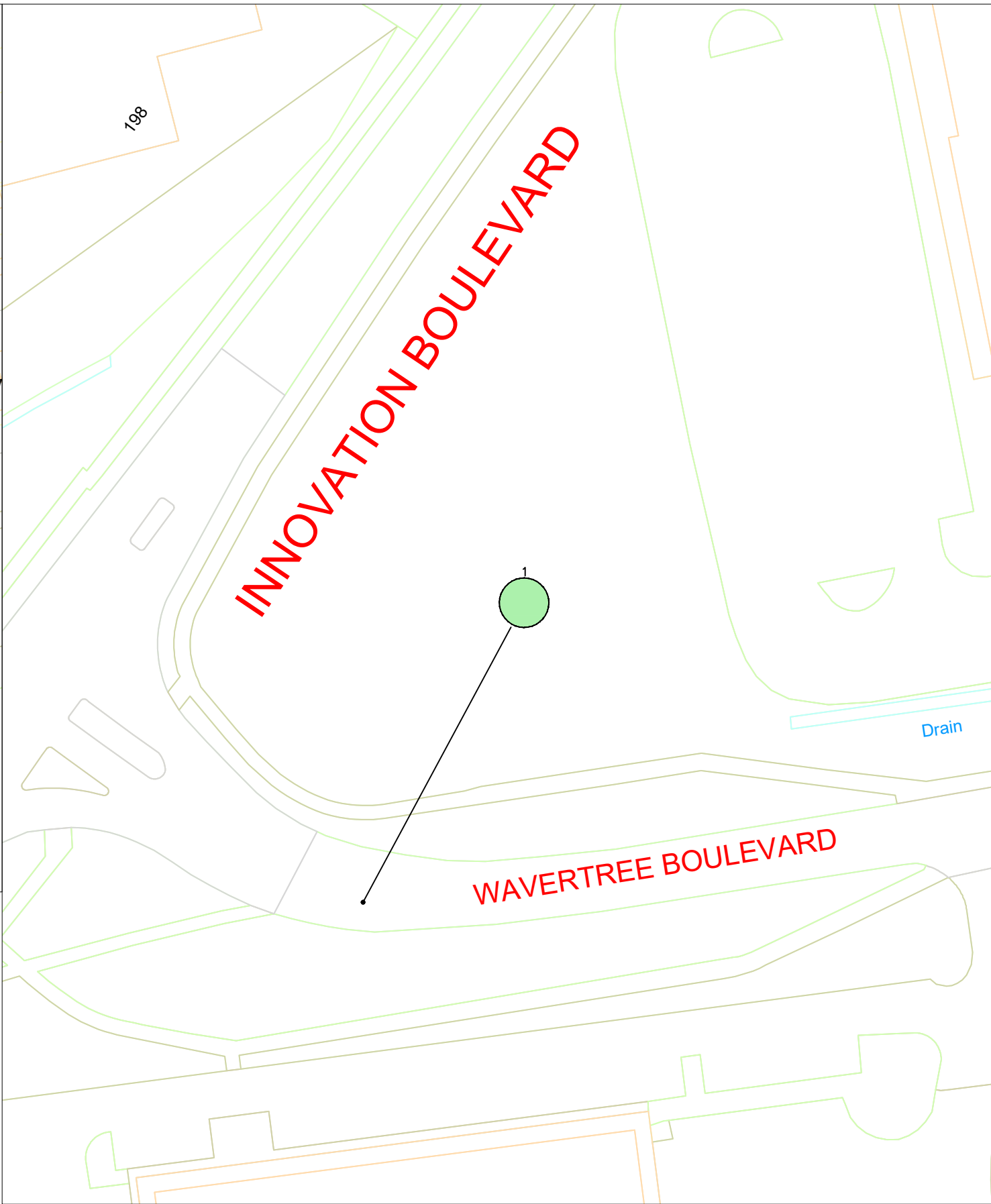
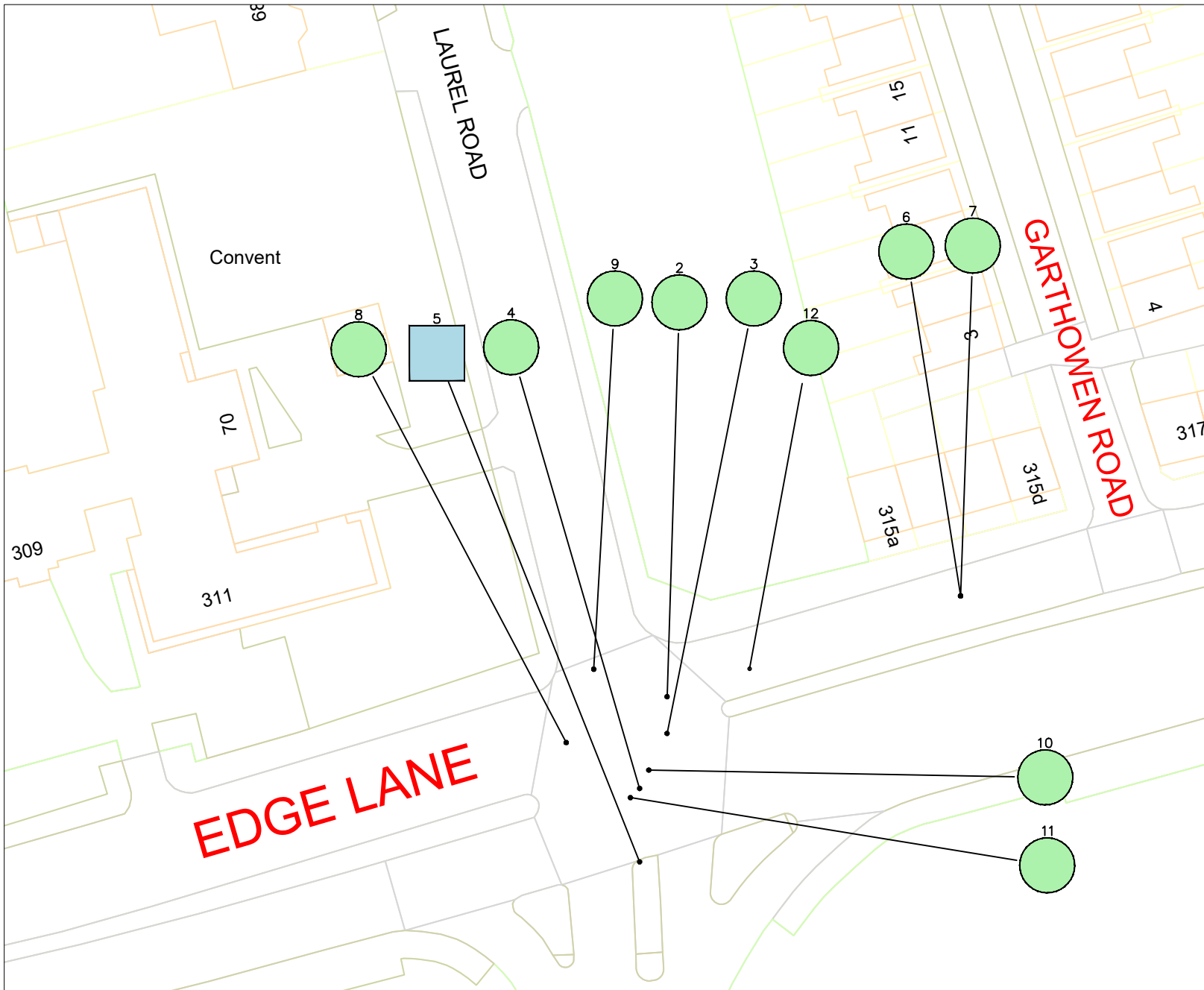
Drawing Title.
Vehicle Tracking

AutoCAD Location. 70105/SurveysandDrawings/Drawings

Designed By LT	Checked By IY	Approved By IY
Date 08/20	Date 08/20	Date 08/20
Scale at A1 As Shown	Status S2	Rev P02

Drawing No. TFS-FC-HGN-00-DR-CH-001

APPENDIX E Five Year Road Traffic Collision Data



Date: 22-July-2020

Time: 09:32:11

Title:

Requested output: **D - Print Crash Report**

Date: 22-July-2020

There were 12 reported crashes resulting in injury

D-PRINT CRASH REPORT

22-Jul-2020
09:32:11

No	Location	Severity	Date	Day	Time	Street Lighting	Road Surface	Weather	Pedestrian Direction	Factors	Involved
1	Road No U Section Grid 337784E Ref 390254N	SLIGHT	02/06/2015	3	08:30	L	Wet/Damp	Rain			
	JUNCTION WAVERTREE BOULEVARD/WAVERTREE BOULEVARD SOUTH WAVERTREE BOULEVARD								Liverpool		
2	Road No U Section Grid 337875E Ref 390708N	SLIGHT	11/05/2015	2	16:10	L	Dry	Fine			
	JUNCTION EDGE LANE/LAUREL ROAD EDGE LANE								Liverpool		
3	Road No U Section Grid 337875E Ref 390704N	SLIGHT	25/01/2016	2	09:54	L	Dry	Fine		R.TURN	GV
	JUNCTION EDGE LANE/LAUREL ROAD EDGE LANE								Liverpool		

Key Involved

PED Pedestrian
HGV Heavy Goods Vehicle
GV Goods Vehicle
M/C Motor Cycle
P/C Pedal Cycle
PSV Bus/Coach

Street Lighting

L Daylight
STL Street Lights
USL Street Lights Unlit
NSL No Street Lights
STU Street Lights Unknown

FACTORS

+VE Positive Breath Test
R.TURN Right Turn Manoeuvre
O/TAKE Overtaking Manoeuvre
S.VEH Single Vehicle

Special Conditions

ATS OUT Traffic Lights Not Working
ATS DEF Traffic Lights Defective
SIGNS Road Signs Defective or Obscured
RD WRKS Road Works
Surface Road Surface Defective

D-PRINT CRASH REPORT

22-Jul-2020
09:32:11

No	Location		Severity	Date	Day	Time	Street Lighting	Road Surface	Weather	Pedestrian Direction	Factors	Involved
4	Road No U Section	Grid 337872E Ref 390698N	SLIGHT	14/10/2016	6	17:45	L	Dry	Fine Wind			M/C
	STREET RECORD INNOVATION BOULEVARD									Liverpool		
5	Road No U Section	Grid 337872E Ref 390690N	SERIOUS	11/02/2017	7	16:15	L	Dry	Unknown			P/C
	EDGE LANE and LAUREL ROAD									Liverpool		
6	Road No A5047 Section	Grid 337907E Ref 390719N	SLIGHT	07/06/2017	4	08:35	0	Dry	Fine			P/C
	EDGE LANE SEGMENT 45 TO 249 EDGE LANE									Liverpool		

Key Involved

PED Pedestrian
HGV Heavy Goods Vehicle
GV Goods Vehicle
M/C Motor Cycle
P/C Pedal Cycle
PSV Bus/Coach

Street Lighting

L Daylight
STL Street Lights
USL Street Lights Unlit
NSL No Street Lights
STU Street Lights Unknown

FACTORS

+VE Positive Breath Test
R.TURN Right Turn Manoeuvre
O/TAKE Overtaking Manoeuvre
S.VEH Single Vehicle

Special Conditions

ATS OUT Traffic Lights Not Working
ATS DEF Traffic Lights Defective
SIGNS Road Signs Defective or Obscured
RD WRKS Road Works
Surface Road Surface Defective

D-PRINT CRASH REPORT

22-Jul-2020
09:32:11

No	Location	Severity	Date	Day	Time	Street Lighting	Road Surface	Weather	Pedestrian Direction	Factors	Involved
7	Road No A5047 Section	Grid 337907E Ref 390719N	SLIGHT	07/06/2017	4	08:35	L	Dry	Fine		P/C
	EDGE LANE SEGMENT 45 TO 249 EDGE LANE								Liverpool		
8	Road No U Section	Grid 337864E Ref 390703N	SLIGHT	25/05/2018	6	16:26	L	Dry	Fine		
	EDGE LANE and LAUREL ROAD								Liverpool		

Key Involved

PED Pedestrian
HGV Heavy Goods Vehicle
GV Goods Vehicle
M/C Motor Cycle
P/C Pedal Cycle
PSV Bus/Coach

Street Lighting

L Daylight
STL Street Lights
USL Street Lights Unlit
NSL No Street Lights
STU Street Lights Unknown

FACTORS

+VE Positive Breath Test
R.TURN Right Turn Manoeuvre
O/TAKE Overtaking Manoeuvre
S.VEH Single Vehicle

Special Conditions

ATS OUT Traffic Lights Not Working
ATS DEF Traffic Lights Defective
SIGNS Road Signs Defective or Obscured
RD WRKS Road Works
Surface Road Surface Defective

D-PRINT CRASH REPORT

22-Jul-2020
09:32:11

No	Location	Severity	Date	Day	Time	Street Lighting	Road Surface	Weather	Pedestrian Direction	Factors	Involved
9	Road No U Section Grid 337867E Ref 390711N	SLIGHT	28/11/2018	4	14:40	L	Dry	Fine			
	EDGE LANE and LAUREL ROAD								Liverpool		
10	Road No A5047 Section Grid 337873E Ref 390700N	SLIGHT	03/09/2019	3	13:30	L	Dry	Fine		R.TURN	
	EDGE LANE and LAUREL ROAD								Liverpool		

Key Involved

PED Pedestrian
HGV Heavy Goods Vehicle
GV Goods Vehicle
M/C Motor Cycle
P/C Pedal Cycle
PSV Bus/Coach

Street Lighting

L Daylight
STL Street Lights
USL Street Lights Unlit
NSL No Street Lights
STU Street Lights Unknown

FACTORS

+VE Positive Breath Test
R.TURN Right Turn Manoeuvre
O/TAKE Overtaking Manoeuvre
S.VEH Single Vehicle

Special Conditions

ATS OUT Traffic Lights Not Working
ATS DEF Traffic Lights Defective
SIGNS Road Signs Defective or Obscured
RD WRKS Road Works
Surface Road Surface Defective

D-PRINT CRASH REPORT

22-Jul-2020
09:32:11

No	Location	Severity	Date	Day	Time	Street Lighting	Road Surface	Weather	Pedestrian Direction	Factors	Involved	
11	Road No U Section	Grid 337871E Ref 390697N	SLIGHT	26/09/2019	5	17:20	L	Dry	Fine		R.TURN	
	STREET RECORD INNOVATION BOULEVARD								Liverpool			
12	Road No U Section	Grid 337884E Ref 390711N	SLIGHT	06/10/2019	1	12:30	L	Dry	Fine			
	EDGE LANE and LAUREL ROAD								Liverpool			

Key Involved

PED Pedestrian
HGV Heavy Goods Vehicle
GV Goods Vehicle
M/C Motor Cycle
P/C Pedal Cycle
PSV Bus/Coach

Street Lighting

L Daylight
STL Street Lights
USL Street Lights Unlit
NSL No Street Lights
STU Street Lights Unknown

FACTORS

+VE Positive Breath Test
R.TURN Right Turn Manoeuvre
O/TAKE Overtaking Manoeuvre
S.VEH Single Vehicle

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