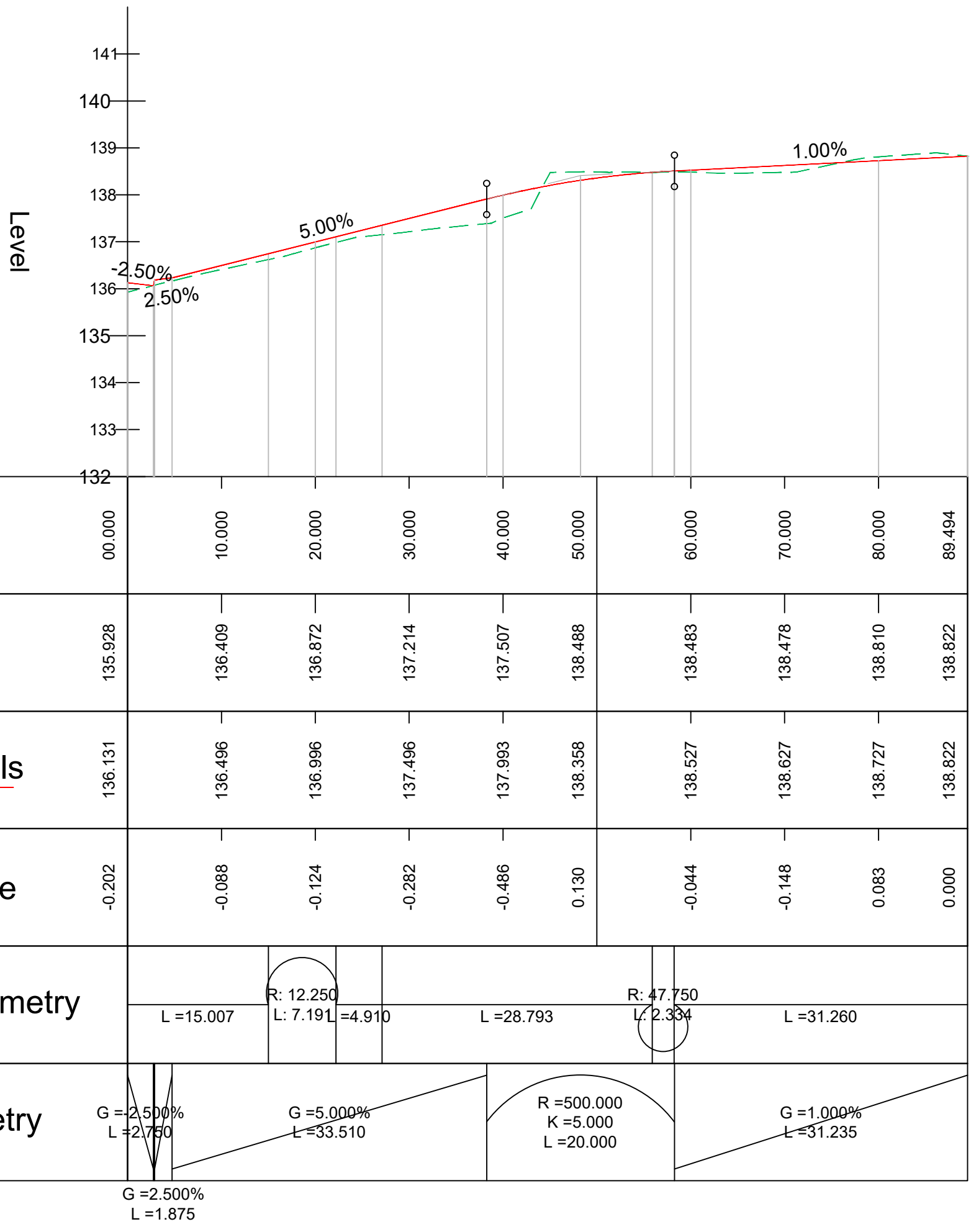


EMERGENCY ACCESS - LONGSECTION
SCALE: H 1:500,V 1:100. DATUM: 132.000



Chainage	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	88.494
Existing Levels	135.928	136.409	136.872	137.214	137.507	138.488	138.483	138.478	138.810	138.822
Proposed Levels	136.131	136.496	136.896	137.486	137.993	138.358	138.527	138.627	138.727	138.822
Level Difference	-0.202	-0.088	-0.124	-0.282	-0.486	0.130	-0.044	-0.148	0.083	0.000
Horizontal Geometry										
Vertical Geometry										

Table 2b: Shared parking and associated access areas having frequent use by commercial vehicles

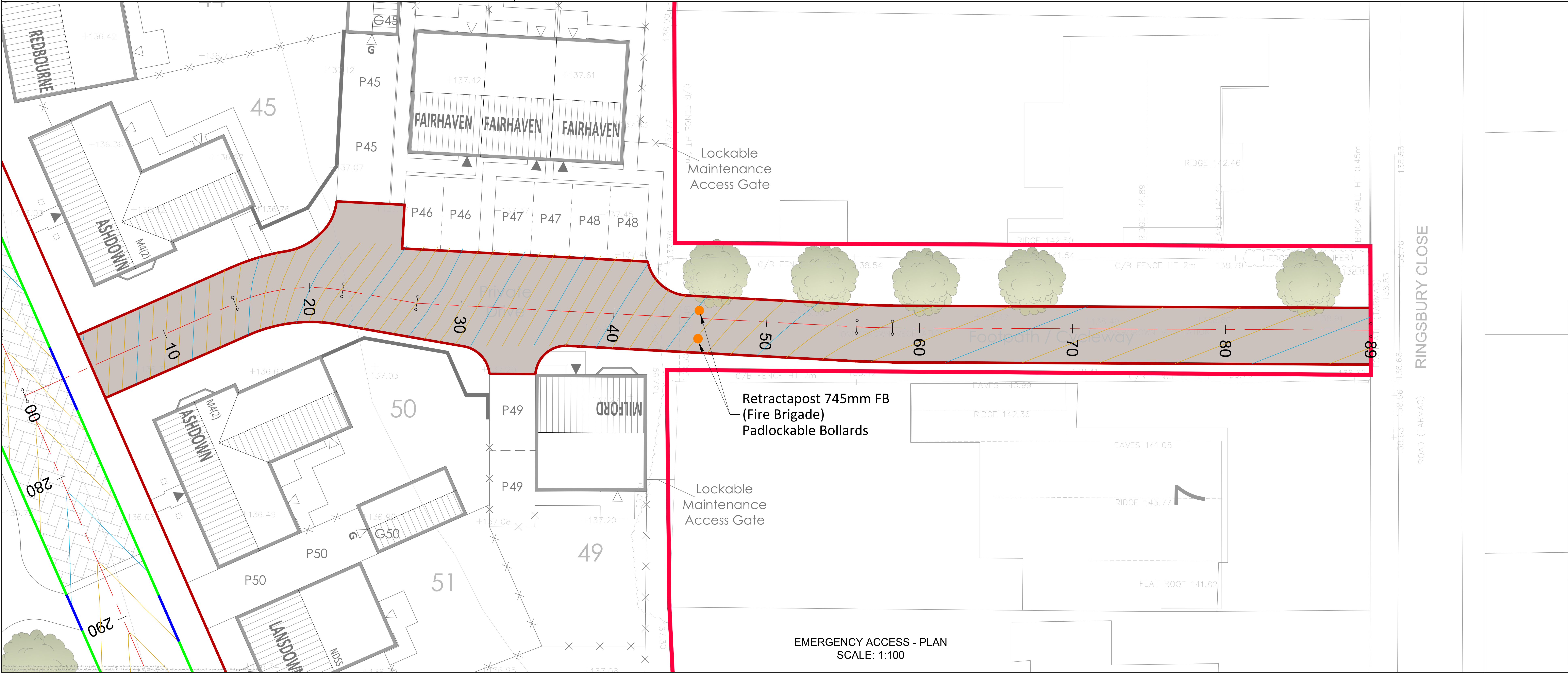
Construction – road type(1)		Bituminous mixtures (asphalt)	Block pavers
Sub-base	MCHW Volume 1 SHW Series 800 (2) Clause 803 Type 1 Unbound mixtures granular sub-base material Type 1 to table 8/2	Table 3	Table 3
Base (road base)	Asphalt concrete to BS EN 13108-1 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2 Concrete designation (BS 8500-2:2015+A2:2019 table 6)	80mm (AC 32 dense base 100/150 des) 100mm grade GEN2(4)	N/A N/A
Binder course (base course)	Asphalt concrete to BS EN 13108-1 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2	60mm (AC 20 dense bin 100/150 des)	N/A
Surface course (wearing course)	Stone mastic asphalt to BS EN 13108-5 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2 Hot rolled asphalt to BS EN 13108-4 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2 Concrete designation (BS 8500-2:2015+A2:2019 table 6)	30mm (SMA 10 surf 40/60) N/A	N/A N/A
Bedding course	Sharp sand to BS 7533-3 category II of annex D	N/A	50mm
Pavers	Block pavers to BS EN 1338 of Class 2 weathering resistance and Class 3 abrasion, as well as being of low potential for slip (Ref. Table NA.2 of BS EN 1338)(7)	N/A	80mm

Table 2c: Shared drives having infrequent use by commercial vehicles

Construction – road type(1)	Bituminous mixtures (asphalt)	Concrete Block pavers	Gravel
Sub-base	MCHW Volume 1 SHW Series 800 (2)Clause 803 Type 1 Unbound mixtures granular sub-base material Type 1 to table 8/2	Table 3	Table 3 Table 3
Base (road base)	Asphalt concrete to BS EN 13108-1 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2 Concrete designation (BS 8500-2:2015+A2:2019 table 6) N/A	N/A	N/A N/A
Binder course (basecourse)	Asphalt concrete to BS EN 13108-1 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2	80mm (AC 20 dense bin 100/150 des)	N/A N/A
Surface course (wearing course)	Stone mastic asphalt to BS EN 13108-5 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2 Hot rolled asphalt to BS EN 13108-4 and PD 6691 utilising aggregate to BS EN 13043 and PD 6682-2 Concrete designation (BS 8500-2:2015+A2:2019 table 6) N/A	30mm (SMA10 surf 40/60) 40mm (HRA 55/10 surf 40/60 des)	N/A N/A N/A N/A
Bedding course	Sharp sand to BS 7533-3 category II of annex D	N/A	N/A
Pavers	Block pavers to BS EN 1338 of Class 2 weathering resistance and Class 3 abrasion, as well as being of low potential for slip (Ref: Table NA.2 of BS EN 1338)(7)	N/A	150 grade PAV2 80mm N/A

Table 3: Minimum sub-base thickness for paved areas

CBR values	Minimum thickness (mm) of sub-base(1) (consolidated in accordance with MCHW Volume 1 clause 801, table 8/4)
Less than 2%	Subgrade requires improvement(2)
2-3%	325
3-5%	250
5-7%	150
7-20%	100



EMERGENCY ACCESS - PLAN
SCALE: 1:100

- NOTES:
- DO NOT SCALE FROM THIS DRAWING.
 - ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED. ALL EXTERNAL WORKS ARE SHOWN IN mm.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERING AND ARCHITECTS DRAWINGS AND SPECIFICATIONS.
 - THE CONTRACTOR IS TO CHECK & VERIFY ALL SITE DIMENSIONS & LEVELS BEFORE WORKS START ON SITE.
 - ALL EXISTING SERVICES AND DRAINAGE TO BE TRACED AND ASSESSED PRIOR TO SITE CLEARANCE BEING UNDERTAKEN.
 - ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED DRAWINGS & SPECIFICATIONS TO THE SATISFACTION OF THE LOCAL AUTHORITIES.
 - ALL HIGHWAY DESIGN RECOMMENDATIONS ARE ADVISORY & ARE SUBJECT TO APPROVAL FROM THE LOCAL HIGHWAYS AUTHORITY.
 - NO LOOSE CHIPPINGS ARE TO BE USED WITHIN OR NEAR TO THE ADOPTABLE HIGHWAY.
 - FOOTPATH SURFACING TO BE LAID 5mm HIGHER THAN THE ADJACENT KERB.
 - MINIMUM LENGTH OF CUT KERB TO BE 300mm.
 - THE DEVELOPER MUST COMPLY WITH NRSWA 1993, FOR TRAFFIC MANAGEMENT & FOR ANY ROAD WORKS WITHIN THE HIGHWAY.
 - CBR VALUES TO BE VERIFIED ON SITE PRIOR TO AGREEING THE THICKNESS OF ANY CAPPING & SUB-BASE USED.

DETAILS & SPECIFICATIONS SUBJECT TO APPROVAL FROM LOCAL AUTHORITY

- LEGEND
- KERB ARRANGEMENT
- HEDG KERB
150mm UPSTAND LAID WITH 150mm TRANSITION KERB
NONE EITHER SIDE
 - BULLNOSE KERB
150mm UPSTAND FOR FREETRAFFIC / CYCLE CROSSOVER LAID WITH 150mm TRANSITION KERB EITHER SIDE
 - BULLNOSE KERB
150mm UPSTAND FOR VEHICLE CROSSOVER LAID WITH 150mm TRANSITION KERB EITHER SIDE
 - EDGING KERB
TYPE B1, B2 OR B3 AS REQUIRED

- MISCELLANEOUS
- SITE BOUNDARY
 - TACTILE PAVING

- LEGEND
- SURFACES
- PRIVATE DRIVE CONSTRUCTION (ASPHALT FINISH)

ISSUED	SJ	LF	29.06.26
thinkurban	Quest House 51 Melons Business Park Forton Road Cardiff CF3 0EY T: 02922 520 219		
Lovell Homes Cardiff			
Pavenhill Farm Purton			
Emergency Access Layout			
Scale:	As Shown	Sheet Size:	A0
Drawn:	SJ	Checked:	LF
26/06/2026			
250814_LHC_SK_002			