
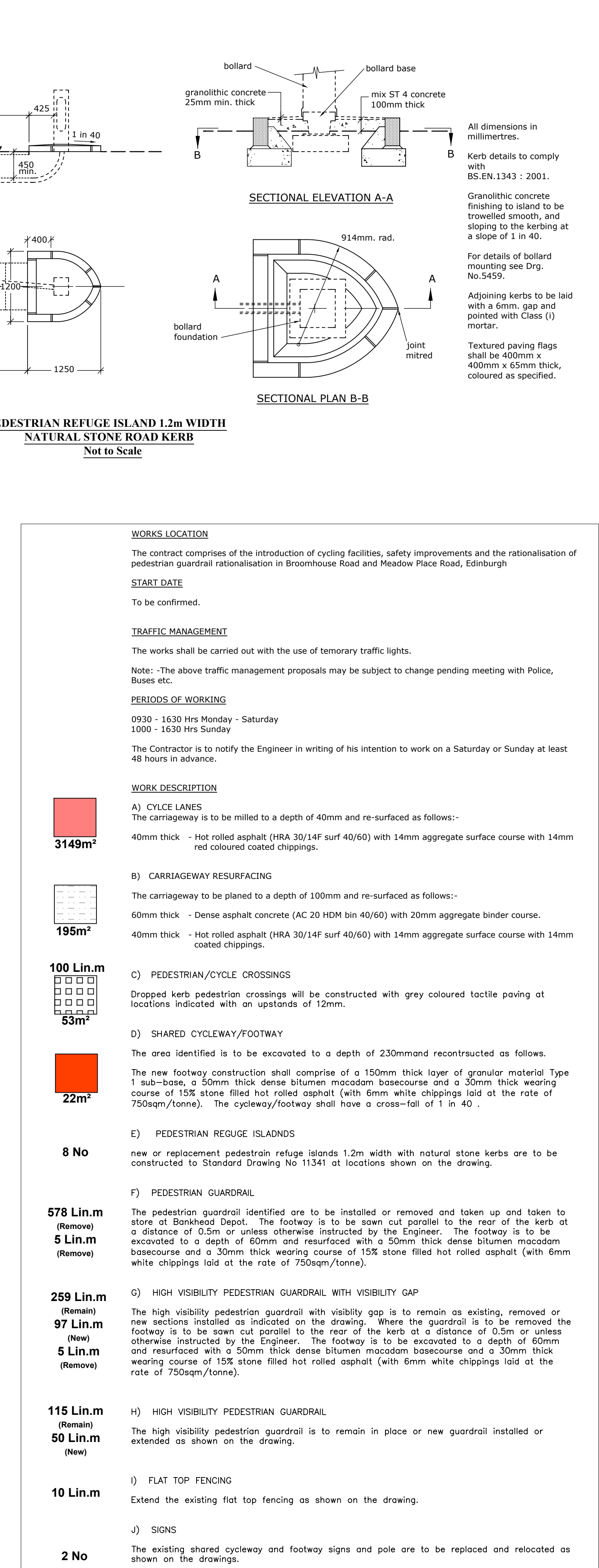
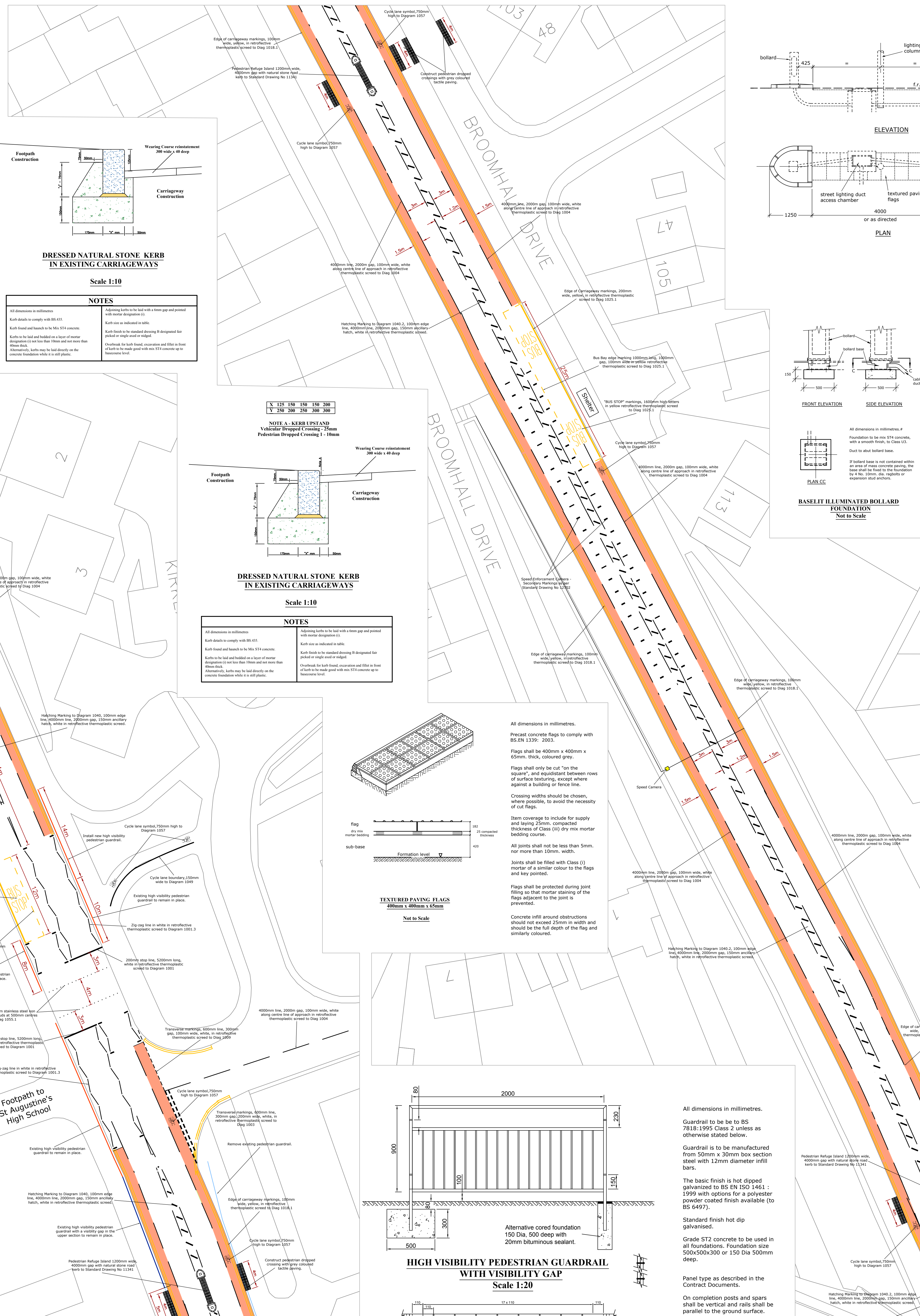
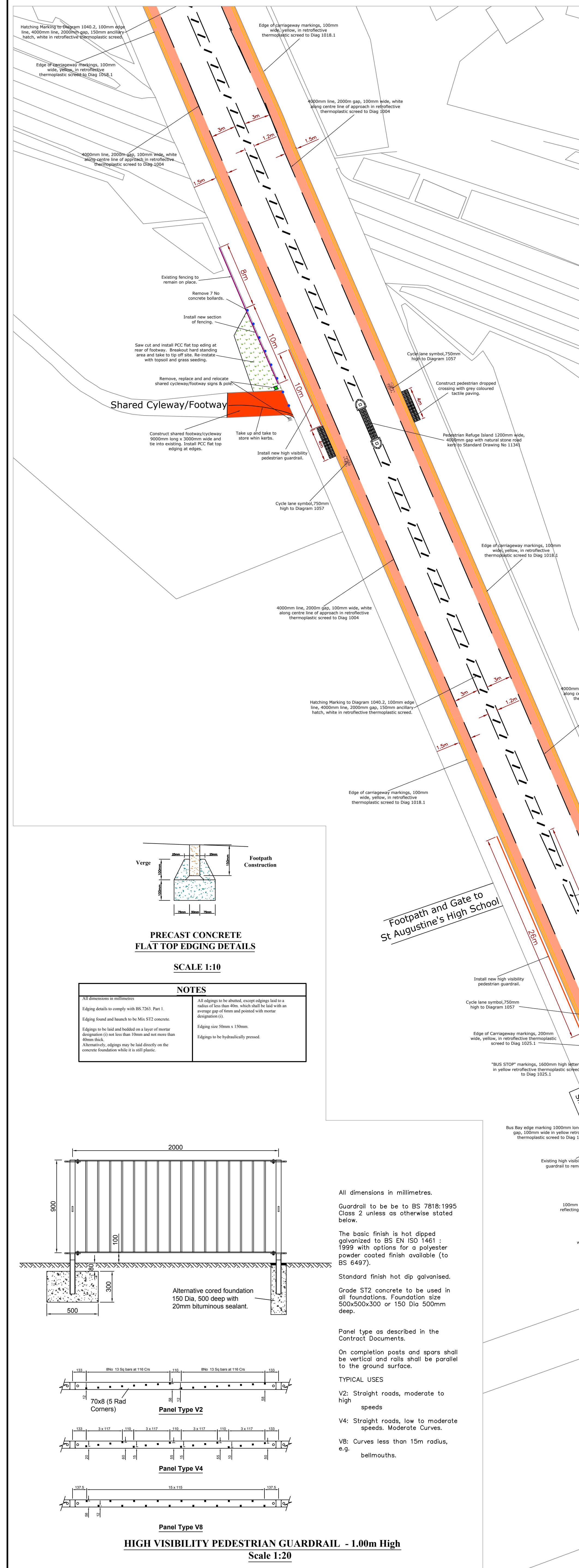


REVISION	DETAILS				BY	DATE	CHECKED		
<div style="text-align: center;">  <p><b>EDINBURGH</b> THE CITY OF EDINBURGH COUNCIL</p> </div>									
SERVICES FOR COMMUNITIES The City of Edinburgh Council 500 Gorgie Road Edinburgh EH11 3 YJ Tel. No. 0131-200 2000					TRANSPORT ROAD SERVICES				
Broomhouse Road/Meadow Place Road  Cycle Facilities, Safety Improvements and Rationalisation of Pedestrian Guardrail									
Date: June 2013 Scale: 1:250			Job. No. 59000			Drawn by: Hugh F Maclean Checked by: Norrie Dixon			
<div style="text-align: center;"> <b>DRG. NO. Sfc/W/MPR/HM/01</b> </div>									

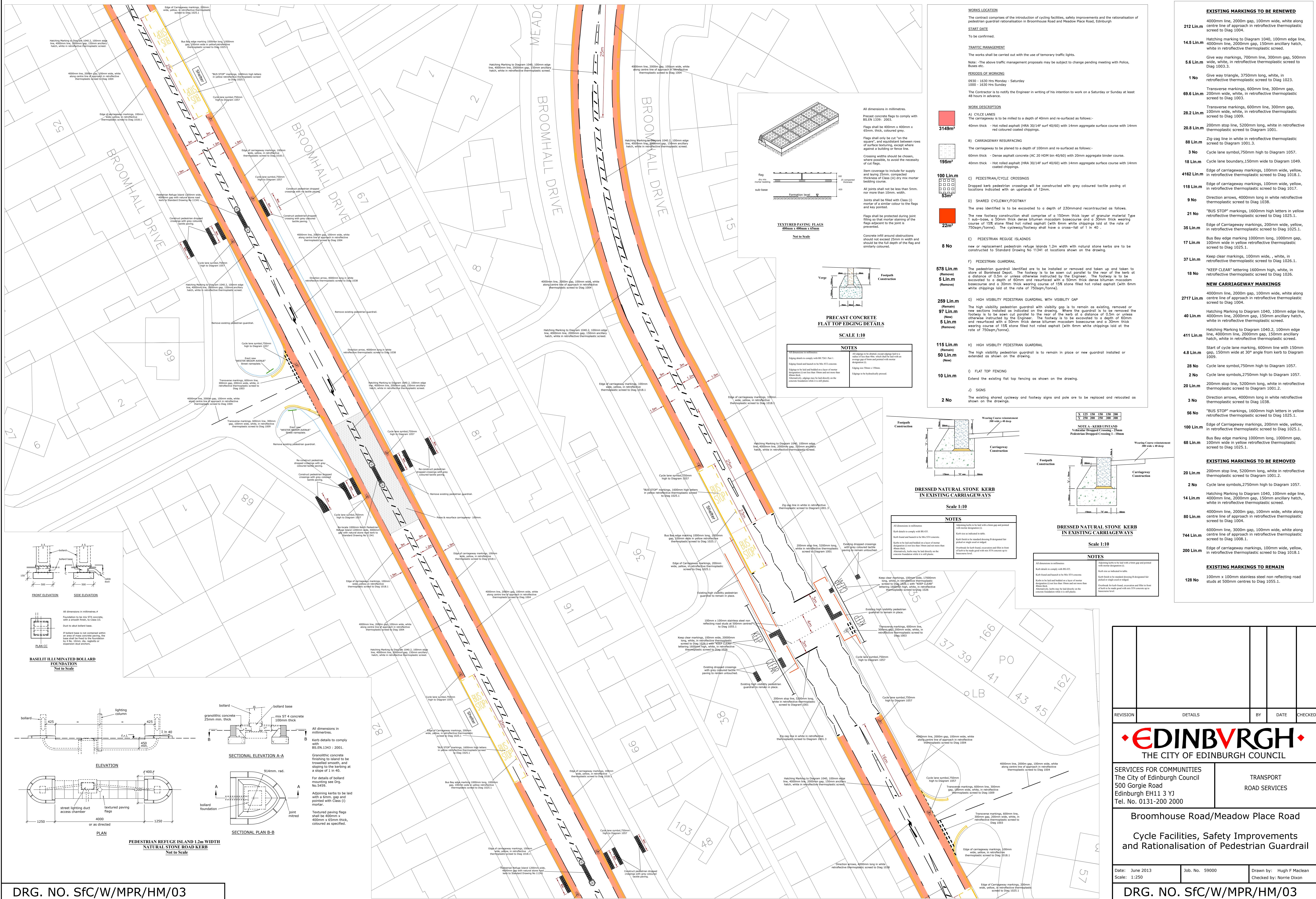




	<b>EXISTING MARKINGS TO BE RENEWED</b>
212 Lin.m	4000mm line, 2000m gap, 100mm wide, white along centre line of approach in retroreflective thermoplastic screed to Diag 1004.
14.5 Lin.m	Hatching marking to Diagram 1040, 100mm edge line, 4000mm line, 2000mm gap, 150mm ancillary hatch, white in retroreflective thermoplastic screed.
5.6 Lin.m	Give way markings, 700mm line, 300mm gap, 500mm wide, white, in retroreflective thermoplastic screed to Diag 1003.3.
1 No	Give way triangle, 3750mm long, white, in retroreflective thermoplastic screed to Diag 1023.
69.6 Lin.m	Transverse markings, 600mm line, 300m gap, 200mm wide, white, in retroreflective thermoplastic screed to Diag 1003.
28.2 Lin.m	Transverse markings, 600mm line, 300m gap, 100mm wide, white, in retroreflective thermoplastic screed to Diag 1009.
20.8 Lin.m	200mm stop line, 5200mm long, white in retroreflective thermoplastic screed to Diagram 1001.
88 Lin.m	Zig-zag line in white in retroreflective thermoplastic screed to Diagram 1001.3.
3 No	Cycle lane symbol, 750mm high to Diagram 1057.
18 Lin.m	Cycle lane boundary, 1500mm wide to Diagram 1049.
4162 Lin.m	Edge of carriageway markings, 100mm wide, yellow, in retroreflective thermoplastic screed to Diag 1018.1.
118 Lin.m	Edge of carriageway markings, 100mm wide, yellow, in retroreflective thermoplastic screed to Diag 1017.
9 No	Direction arrows, 4000mm long in white retroreflective thermoplastic screed to Diag 1038.
21 No	"BUS STOP" markings, 1600mm high letters in yellow retroreflective thermoplastic screed to Diag 1025.1.
35 Lin.m	Edge of carriageway markings, 200mm wide, yellow, in retroreflective thermoplastic screed to Diag 1025.1.
17 Lin.m	Bay Edge marking 1000mm long, 1000mm gap, 100mm wide in yellow retroreflective thermoplastic screed to Diag 1025.1.
37 Lin.m	Keep clear markings, 100mm wide, , white, in retroreflective thermoplastic screed to Diag 1026.1.
18 No	"KEEP CLEAR" lettering 1600mm high, white, in retroreflective thermoplastic screed to Diag 1026.
	<b>NEW CARRIAGEWAY MARKINGS</b>
2717 Lin.m	4000mm line, 2000m gap, 100mm wide, white along centre line of approach in retroreflective thermoplastic screed to Diag 1004.
40 Lin.m	Hatching Marking to Diagram 1040, 100mm edge line, 4000mm line, 2000m gap, 150mm ancillary hatch, white in retroreflective thermoplastic screed.
411 Lin.m	Hatching Marking to Diagram 1040.2, 100mm edge line, 4000mm line, 2000mm gap, 150mm ancillary hatch, white in retroreflective thermoplastic screed.
4.8 Lin.m	Start of cycle lane marking, 600mm line with 150mm gap, 150mm wide at 30° angle from kerb to Diagram 1009.
28 No	Cycle lane symbol, 750mm high to Diagram 1057.
2 No	Cycle lane symbols, 2750mm high to Diagram 1057.
20 Lin.m	200mm stop line, 5200mm long, white in retroreflective thermoplastic screed to Diagram 1001.2.
3 No	Direction arrows, 4000mm long in white retroreflective thermoplastic screed to Diag 1038.
56 No	"BUS STOP" markings, 1600mm high letters in yellow retroreflective thermoplastic screed to Diag 1025.1.
100 Lin.m	Edge of Carriageway markings, 200mm wide, yellow, in retroreflective thermoplastic screed to Diag 1025.1.
68 Lin.m	Bay Edge marking 1000mm long, 1000mm gap, 100mm wide in yellow retroreflective thermoplastic screed to Diag 1025.1.
	<b>EXISTING MARKINGS TO BE REMOVED</b>
20 Lin.m	200mm stop line, 5200mm long, white in retroreflective thermoplastic screed to Diagram 1001.2.
2 No	Cycle lane symbols, 2750mm high to Diagram 1057.
14 Lin.m	Hatching Marking to Diagram 1040, 100mm edge line, 4000mm line, 2000mm gap, 150mm ancillary hatch, white in retroreflective thermoplastic screed.
80 Lin.m	4000mm line, 2000m gap, 100mm wide, white along centre line of approach in retroreflective thermoplastic screed to Diag 1004.
744 Lin.m	6000mm line, 3000m gap, 100mm wide, white along centre line of approach in retroreflective thermoplastic screed to Diag 1008.1.
200 Lin.m	Edge of carriageway markings, 100mm wide, yellow, in retroreflective thermoplastic screed to Diag 1018.1.
	<b>EXISTING MARKINGS TO REMAIN</b>
128 No	100mm x 100mm stainless steel non reflecting road studs at 500mm centres to Diag 1055.1.

REVISION	DETAILS	BY	DATE	CHECKED
 <p>THE CITY OF EDINBURGH COUNCIL</p>				
<p>SERVICES FOR COMMUNITIES</p> <p>The City of Edinburgh Council</p> <p>500 Gorgie Road</p> <p>Edinburgh EH11 3 YJ</p> <p>Tel. No. 0131-200 2000</p>		<p>TRANSPORT</p> <p>ROAD SERVICES</p>		
<p>Broomhouse Road/Meadow Place Road</p> <p>Cycle Facilities, Safety Improvements and Rationalisation of Pedestrian Guardrail</p>				
<p>Date: June 2013</p> <p>Scale: 1:250</p>		<p>Job No. 59000</p>		<p>Drawn by: Hugh F Maclean</p> <p>Checked by: Norrie Dixon</p>
<p>DRG. NO. Sfc/W/MPR/HM/02</p>				







NOTES:

EXISTING MARKINGS TO BE RENEWED

- 212 Lin.m** 4000mm line, 2000m gap, 100mm wide, white along centre line of approach in retroflective thermoplastic screed to Diag 1004.
- 14.5 Lin.m** Hatching marking to Diagram 1040, 100mm edge line, 4000mm line, 2000mm gap, 150mm ancillary hatch, white in retroflective thermoplastic screed.
- 5.6 Lin.m** Give way markings, 700mm line, 300mm gap, 500mm wide, white, in retroflective thermoplastic screed to Diag 1003.3.
- 1 No** Give way triangle, 3750mm long, white, in retroflective thermoplastic screed to Diag 1023.
- 69.6 Lin.m** Transverse markings, 600mm line, 300mm gap, 200mm wide, white, in retroflective thermoplastic screed to Diag 1003.
- 28.2 Lin.m** Transverse markings, 600mm line, 300mm gap, 100mm wide, white, in retroflective thermoplastic screed to Diag 1009.
- 20.8 Lin.m** 200mm stop line, 5200mm long, white in retroflective thermoplastic screed to Diagram 1001.
- 88 Lin.m** Zig-zag line in white in retroflective thermoplastic screed to Diagram 1001.3.
- 3 No** Cycle lane symbol,750mm high to Diagram 1057.
- 18 Lin.m** Cycle lane boundary,150mm wide to Diagram 1049.
- 4162 Lin.m** Edge of carriageway markings, 100mm wide, yellow, in retroflective thermoplastic screed to Diag 1018.1.
- 118 Lin.m** Edge of carriageway markings, 100mm wide, yellow, in retroflective thermoplastic screed to Diag 1017.
- 9 No** Direction arrows, 4000mm long in white retroflective thermoplastic screed to Diag 1038.
- 21 No** "BUS STOP" markings, 1600mm high letters in yellow retroflective thermoplastic screed to Diag 1025.1.
- 35 Lin.m** Edge of Carriageway markings, 200mm wide, yellow, in retroflective thermoplastic screed to Diag 1025.1.
- 17 Lin.m** Bus Bay edge marking 1000mm long, 1000mm gap, 100mm wide in yellow retroflective thermoplastic screed to Diag 1025.1.
- 37 Lin.m** Keep clear markings, 100mm wide, , white, in retroflective thermoplastic screed to Diag 1026.1.
- 18 No** "KEEP CLEAR" lettering 1600mm high, white, in retroflective thermoplastic screed to Diag 1026.

NEW CARRIAGEWAY MARKINGS

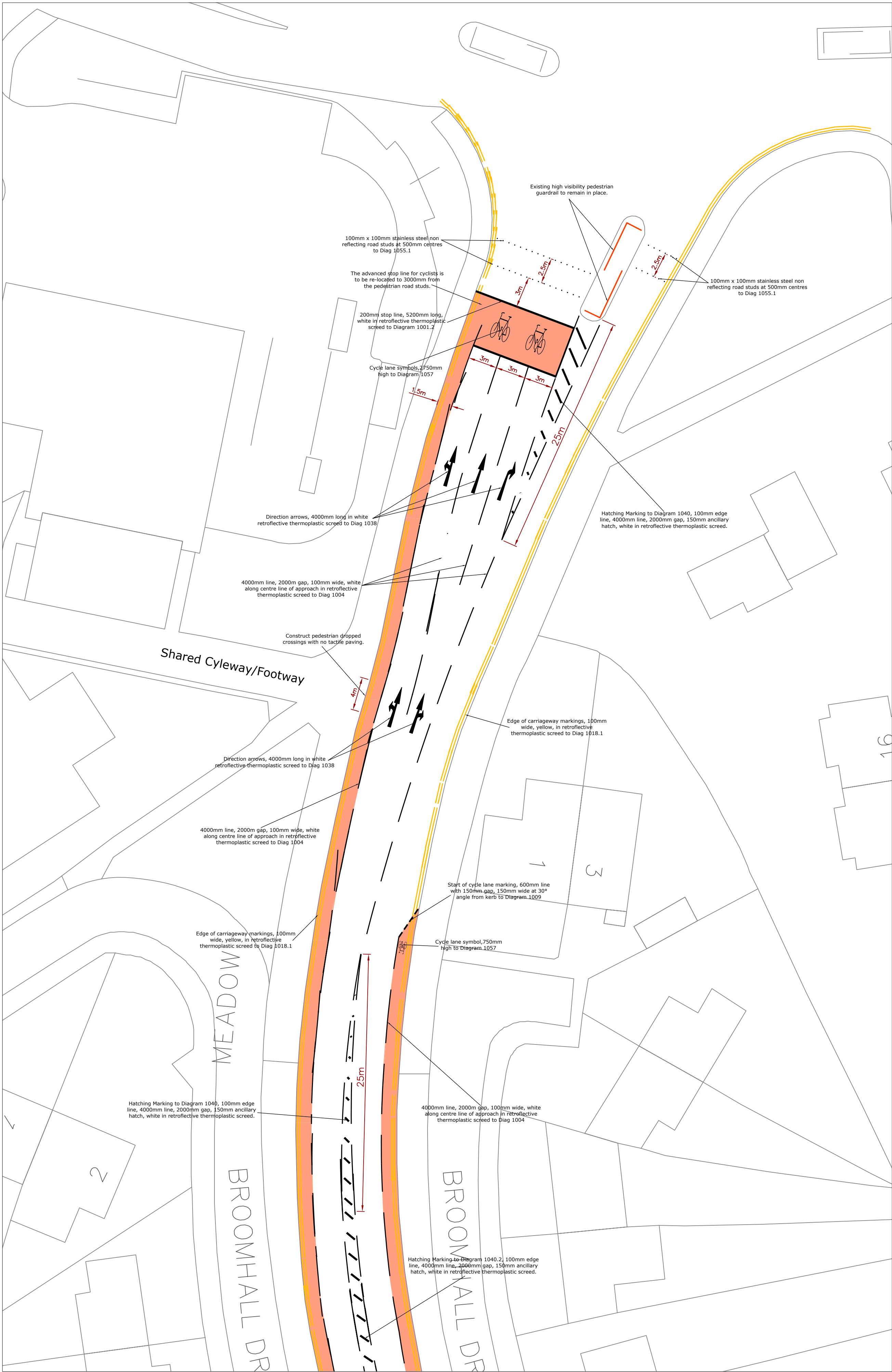
- 2717 Lin.m** 4000mm line, 2000m gap, 100mm wide, white along centre line of approach in retroflective thermoplastic screed to Diag 1004.
- 40 Lin.m** Hatching Marking to Diagram 1040, 100mm edge line, 4000mm line, 2000mm gap, 150mm ancillary hatch, white in retroflective thermoplastic screed.
- 411 Lin.m** Hatching Marking to Diagram 1040.2, 100mm edge line, 4000mm line, 2000mm gap, 150mm ancillary hatch, white in retroflective thermoplastic screed.
- 4.8 Lin.m** Start of cycle lane marking, 600mm line with 150mm gap, 150mm wide at 30° angle from kerb to Diagram 1009.
- 28 No** Cycle lane symbol,750mm high to Diagram 1057.
- 2 No** Cycle lane symbols,2750mm high to Diagram 1057.
- 20 Lin.m** 200mm stop line, 5200mm long, white in retroflective thermoplastic screed to Diagram 1001.2.
- 3 No** Direction arrows, 4000mm long in white retroflective thermoplastic screed to Diag 1038.
- 56 No** "BUS STOP" markings, 1600mm high letters in yellow retroflective thermoplastic screed to Diag 1025.1.
- 100 Lin.m** Edge of Carriageway markings, 200mm wide, yellow, in retroflective thermoplastic screed to Diag 1025.1.
- 68 Lin.m** Bus Bay edge marking 1000mm long, 1000mm gap, 100mm wide in yellow retroflective thermoplastic screed to Diag 1025.1.

EXISTING MARKINGS TO BE REMOVED

- 20 Lin.m** 200mm stop line, 5200mm long, white in retroflective thermoplastic screed to Diagram 1001.2.
- 2 No** Cycle lane symbols,2750mm high to Diagram 1057.
- 14 Lin.m** Hatching Marking to Diagram 1040, 100mm edge line, 4000mm line, 2000mm gap, 150mm ancillary hatch, white in retroflective thermoplastic screed.
- 80 Lin.m** 4000mm line, 2000m gap, 100mm wide, white along centre line of approach in retroflective thermoplastic screed to Diag 1004.
- 744 Lin.m** 6000mm line, 3000m gap, 100mm wide, white along centre line of approach in retroflective thermoplastic screed to Diag 1008.1.
- 200 Lin.m** Edge of carriageway markings, 100mm wide, yellow, in retroflective thermoplastic screed to Diag 1018.1

EXISTING MARKINGS TO REMAIN

- 128 No** 100mm x 100mm stainless steel non reflecting road studs at 500mm centres to Diag 1055.1.



WORKS LOCATION

The contract comprises of the introduction of cycling facilities, safety improvements and the rationalisation of pedestrian guardrail rationalisation in Broomhouse Road and Meadow Place Road, Edinburgh

START DATE

To be confirmed.

TRAFFIC MANAGEMENT

The works shall be carried out with the use of temorary traffic lights.

Note: -The above traffic management proposals may be subject to change pending meeting with Police, Buses etc.

PERIODS OF WORKING

0930 - 1630 Hrs Monday - Saturday  
1000 - 1630 Hrs Sunday

The Contractor is to notify the Engineer in writing of his intention to work on a Saturday or Sunday at least 48 hours in advance.

WORK DESCRIPTION

A) CYLCE LANES

The carriageway is to be milled to a depth of 40mm and re-surfaced as follows:-

40mm thick - Hot rolled asphalt (HRA 30/14F surf 40/60) with 14mm aggregate surface course with 14mm red coloured coated chippings.

B) CARRIAGEWAY RESURFACING

The carriageway to be planed to a depth of 100mm and re-surfaced as follows:-

60mm thick - Dense asphalt concrete (AC 20 HDM bin 40/60) with 20mm aggregate binder course.

40mm thick - Hot rolled asphalt (HRA 30/14F surf 40/60) with 14mm aggregate surface course with 14mm coated chippings.

C) PEDESTRIAN/CYCLE CROSSINGS

Dropped kerb pedestrian crossings will be constructed with grey coloured tactile paving at locations indicated with an upstands of 12mm.

D) SHARED CYCLEWAY/FOOTWAY

The area identified is to be excavated to a depth of 230mm and reconstructed as follows.

The new footway construction shall comprise of a 150mm thick layer of granular material Type 1 sub-base, a 50mm thick dense bitumen macadam basecourse and a 30mm thick wearing course of 15% stone filled hot rolled asphalt (with 6mm white chippings laid at the rate of 750sqm/tonne). The cycleway/footway shall have a cross-fall of 1 in 40 .

E) PEDESTRIAN REFUGE ISLANDS

new or replacement pedestrain refuge islands 1.2m width with natural stone kerbs are to be constructed to Standard Drawing No 11341 at locations shown on the drawing.

F) PEDESTRIAN GUARDRAIL

The pedestrian guardrail identified are to be installed or removed and taken up and taken to store at Bankhead Depot. The footway is to be sawn cut parallel to the rear of the kerb at a distance of 0.5m or unless otherwise instructed by the Engineer. The footway is to be excavated to a depth of 60mm and resurfaced with a 50mm thick dense bitumen macadam basecourse and a 30mm thick wearing course of 15% stone filled hot rolled asphalt (with 6mm white chippings laid at the rate of 750sqm/tonne).

G) HIGH VISIBILITY PEDESTRIAN GUARDRAIL WITH VISIBILITY GAP

The high visibility pedestrian guardrail with visibility gap is to remain as existing, removed or new sections installed as indicated on the drawing. Where the guardrail is to be removed the footway is to be sawn cut parallel to the rear of the kerb at a distance of 0.5m or unless otherwise instructed by the Engineer. The footway is to be excavated to a depth of 60mm and resurfaced with a 50mm thick dense bitumen macadam basecourse and a 30mm thick wearing course of 15% stone filled hot rolled asphalt (with 6mm white chippings laid at the rate of 750sqm/tonne).

H) HIGH VISIBILITY PEDESTRIAN GUARDRAIL

The high visibility pedestrian guardrail is to remain in place or new guardrail installed or extended as shown on the drawing.

I) FLAT TOP FENCING

Extend the existing flat top fencing as shown on the drawing.

J) SIGNS

The existing shared cycleway and footway signs and pole are to be replaced and relocated as shown on the drawings.

3149m<sup>2</sup>

195m<sup>2</sup>

100 Lin.m  
53m<sup>2</sup>

22m<sup>2</sup>

8 No

578 Lin.m  
(Remove)  
5 Lin.m  
(Remove)

259 Lin.m  
(Remain)  
97 Lin.m  
(New)  
5 Lin.m  
(Remove)

115 Lin.m  
(Remain)  
50 Lin.m  
(New)

10 Lin.m

2 No