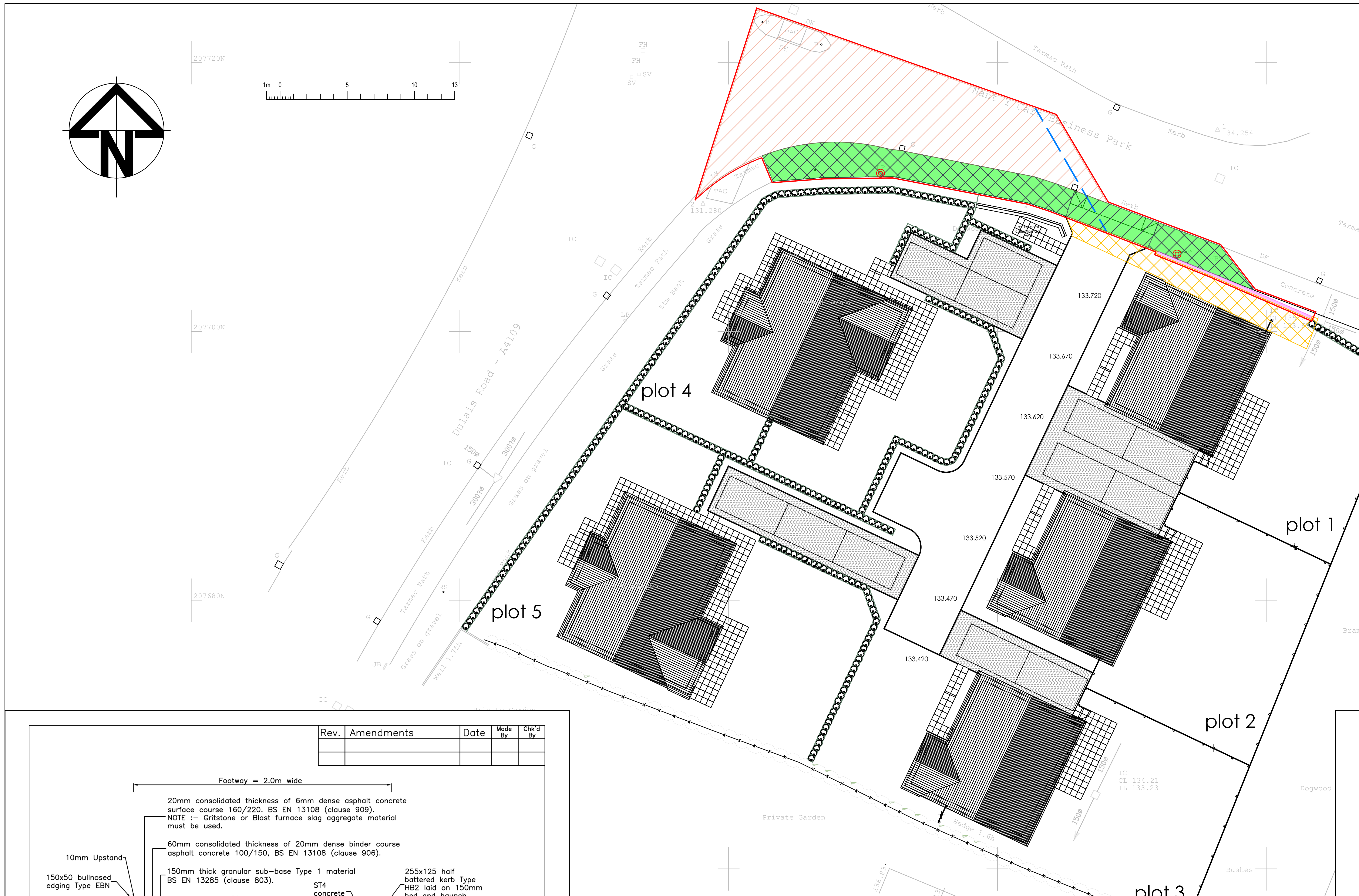
930d-LvWH-GEN-NYCBP-DR.dwg

14.10.2003

Karl von Weber



1m 0 5 10 13
N
207720N
207700N
207680N
Dulais Road - A4109
Kerb
Tarmac Path
Grass on gravel
Btm Bank
Grass
Wall 1.75h
150ø
300ø
Nant Y Cafn Business Park
Tarmac Path
Tarmac Road
Concrete
134.254
131.280
plot 1
plot 2
plot 3
plot 4
plot 5
133.720
133.670
133.620
133.570
133.520
133.470
133.420
Private Garden
Hedge 1.6h
IC
CL 134.21
IL 133.23
Bungalow
Eaves 136.83
Ridge 139.13
Eaves 136.89
Eaves 137.28
Ridge 138.23
Eaves 137.27
Dogwood
Brambles
Bushes
Cleared ground
280960E
280980E

SECTION 278/38 HYBRID AGREEMENT COLOURING KEY

The prime purpose of this drawing is to show in colour the extent of *__the existing and proposed highway__* *(Section 278/38) which is subject to various works.*

Full construction and technical details are shown in supporting documents, specifications etc., on the latest revisions of the drawings deemed to form part of the Section 278/38 Agreement, *__provided__* *they have been subject to formal technical approval, in writing by the Local Highway Authority:*

ALL WORKS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE NEATH PORT TALBOT COUNTY BOROUGH COUNCIL: SEPCIFICATION FOR THE CONSTRUCTION OF ROADS FOR ADOPTION

—	Extent of S278/38 Works
▨	Section 278 Works on Existing Highway
🟩	Section 38 Works on Land that is to become Highways
▨	Section 278/38 Easements (For maintenance of retaining wall)
—	Adoptable Highway Retaining wall
—	Drainage connection to existing sewer
◎	Street Lighting
▩	Footway Construction (See Drg. No. 201)
▨	Vehicle Crossover Construction (See Drg. No. 202)

General Notes

1. ALL DIMENSIONS ARE INDICATIVE AND IN METRES UNLESS NOTED OTHERWISE.
2. DO NOT SCALE THIS DRAWING, USE FIGURED DIMENSIONS ONLY.
3. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM (AOD) BASED ON THE TOPOGRAPHICAL SURVEY DRAWING SUPPLIED BY THE CLIENT.
4. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
6. THE SPECIFICATION IN ALL ASPECTS SHALL BE IN ACCORDANCE WITH THE CURRENT RESIDENTIAL DESIGN GUIDE AND SPECIFICATION IN FORCE WITHIN THE COUNTY AT THE TIME OF CONSTRUCTION.
7. COPYRIGHT OF THIS DRAWING IS RETAINED BY THE ENGINEER AND IT MUST NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT.

Rev.	Amendments	Date	Made By	Chk'd By

Footway = 2.0m wide

20mm consolidated thickness of 6mm dense asphalt concrete surface course 160/220. BS EN 13108 (clause 909). NOTE :– Gritstone or Blast furnace slag aggregate material must be used.

60mm consolidated thickness of 20mm dense binder course asphalt concrete 100/150, BS EN 13108 (clause 906).

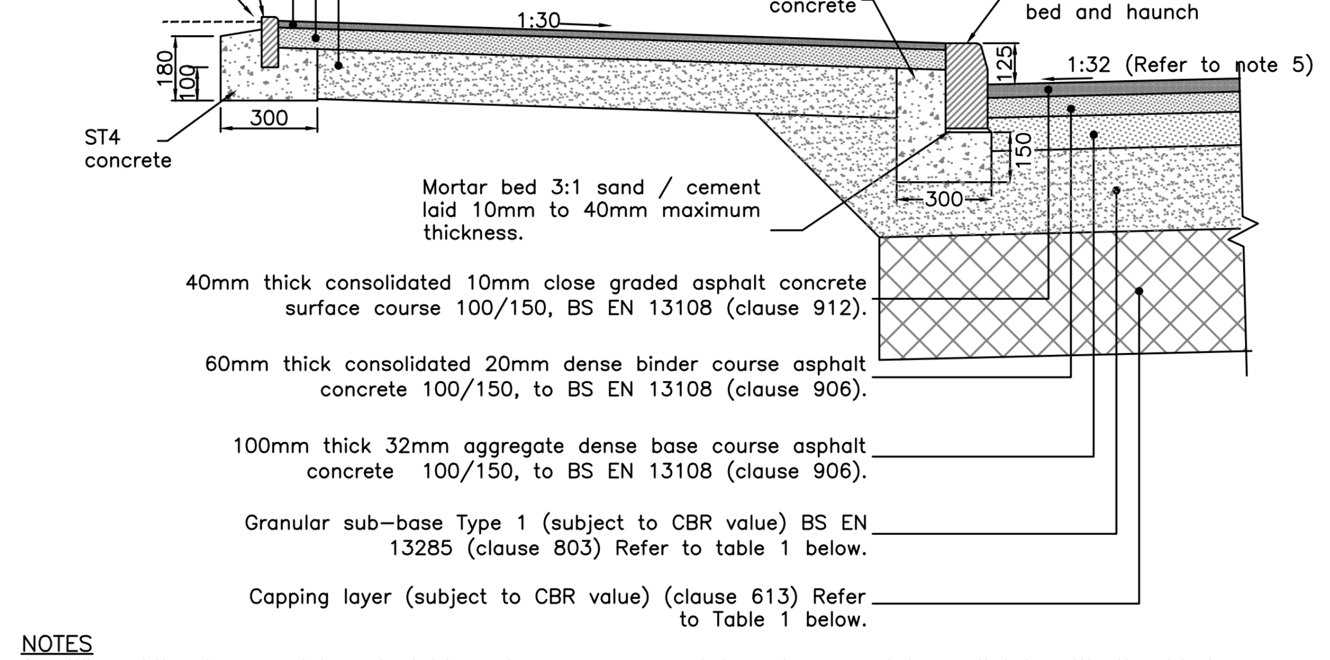
150mm thick granular sub–base Type 1 material BS EN 13285 (clause 803).

10mm Upstand

150x50 bullnosed edging Type EBN

ST4 concrete

255x125 half battered kerb Type HB2 laid on 150mm bed and haunch



1:30
1:32 (Refer to note 5)
180
100
300
125
150
300
ST4 concrete
Mortar bed 3:1 sand / cement laid 10mm to 40mm maximum thickness.
40mm thick consolidated 10mm close graded asphalt concrete surface course 100/150, BS EN 13108 (clause 912).
60mm thick consolidated 20mm dense binder course asphalt concrete 100/150, to BS EN 13108 (clause 906).
100mm thick 32mm aggregate dense base course asphalt concrete 100/150, to BS EN 13108 (clause 906).
Granular sub–base Type 1 (subject to CBR value) BS EN 13285 (clause 803) Refer to table 1 below.
Capping layer (subject to CBR value) (clause 613) Refer to Table 1 below.

NOTES

1. When bituminous mixture is laid as base course and is not covered immediately with the binder course or binder course is laid and not immediately covered with surface course, then apply tack coat bituminous spray Class C40B4 cationic emulsion (BS EN 13808) at a rate of spread of 0.5 litres/m². (clause 920)
2. Production / laying / compaction requirements, sub–base – clause 802, capping layer – clause 612, asphalt concrete base course / binder course / surface course – clause 901 and 903.
3. Table below is given for guidance only. Specialist geo–technical advice should be taken particularly where the CBR value is below 5%. Consideration should also be given for the provision of geo–grid and geo–textile membranes depending on the site conditions.
4. The use of recycled material will require prior agreement and the provision sample test certificates indicating suitable grading characteristics and the absence of contamination. When permitted it may only be used as capping material or as sub–base in non–carriageway areas.
5. The minimum overall construction thickness of carriageway shall be 450mm.
6. Apart for those lengths requiring superelevation by design need, the cross section of the new carriageway should be crowned to provide a balanced camber. This will ensure that surface water from higher ground will not drain across the carriageway to the lower side.
7. Weed killer to be applied at formation level or top of the sub–base to the approval of the Highway Engineer.
8. All dimensions are in millimetres unless otherwise stated.

TABLE 1

CBR Value	Below 2%	2% – 5%	Above 5%
Sub–base	150mm	150mm	255mm
Capping Layer	600mm	350mm	0mm

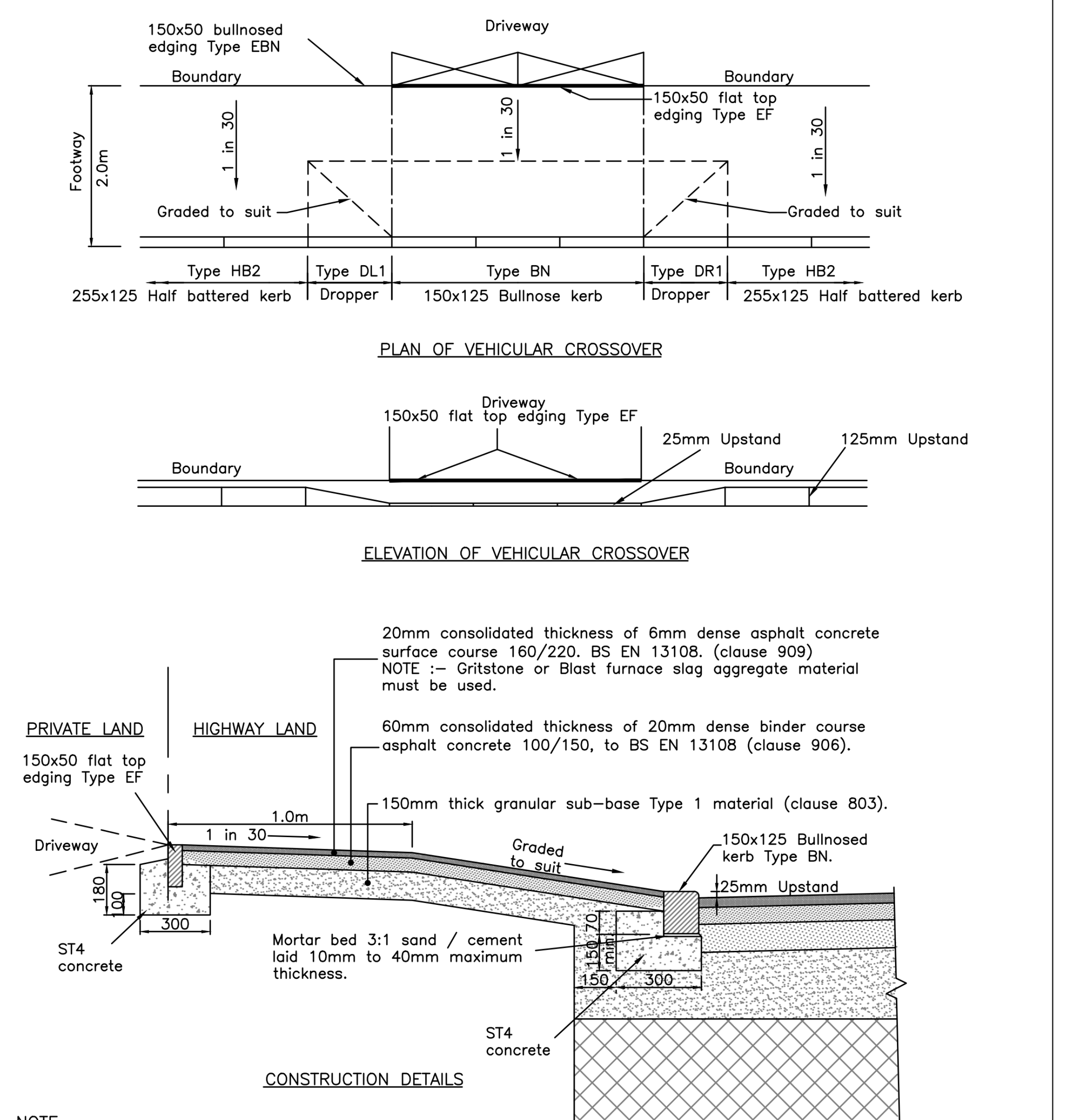
FOOTWAY AND CARRIAGEWAY CONSTRUCTION – RESIDENTIAL STREETS

COMMON STANDARDS FOR WALES

HIGHWAY DESIGN GUIDE

Drawn	MT
Checked	SZ
Date	Feb '20
Scale	N.T.S.
Drg. No.	201
Rev.	

Rev.	Amendments	Date	Made By	Chk'd By



150x50 bullnosed edging Type EBN
Driveway
Boundary
Boundary
150x50 flat top edging Type EF
Footway 2.0m
1 in 30
1 in 30
1 in 30
Graded to suit
Graded to suit
Type HB2
255x125 Half battered kerb
Type DL1
Dropper
Type BN
150x125 Bullnose kerb
Type DR1
Dropper
Type HB2
255x125 Half battered kerb
PLAN OF VEHICULAR CROSSOVER
Driveway
150x50 flat top edging Type EF
25mm Upstand
125mm Upstand
Boundary
Boundary
ELEVATION OF VEHICULAR CROSSOVER
20mm consolidated thickness of 6mm dense asphalt concrete surface course 160/220. BS EN 13108. (clause 909) NOTE :– Gritstone or Blast furnace slag aggregate material must be used.
PRIVATE LAND
HIGHWAY LAND
60mm consolidated thickness of 20mm dense binder course asphalt concrete 100/150, to BS EN 13108 (clause 906).
150x50 flat top edging Type EF
1.0m
1 in 30
150mm thick granular sub–base Type 1 material (clause 803).
Driveway
Graded to suit
150x125 Bullnosed kerb Type BN.
25mm Upstand
180
100
300
ST4 concrete
Mortar bed 3:1 sand / cement laid 10mm to 40mm maximum thickness.
150
70 min
150
300
ST4 concrete
CONSTRUCTION DETAILS

NOTE

1. Where the driveway falls away from the footway, it is the developer's responsibility to ensure the vehicles do not ground on the crossover.
2. Where the driveway falls towards the footway, surface water shall not be allowed to drain across the footway.
3. All dimensions are in millimetres unless otherwise stated.

VEHICULAR CROSSOVER – RESIDENTIAL STREETS

COMMON STANDARDS FOR WALES

HIGHWAY DESIGN GUIDE

Drawn	MT
Checked	SZ
Date	Feb '20
Scale	N.T.S.
Drg. No.	202
Rev.	

No.	Revision/Issue	Date
A	For Planning DoC	21.10.2025

Drawing Status
S0 - Work in progress

Firm Name and Address
LvW Highways
www.LvWHighways.com

Client
Scully Property Group Ltd

Architect
Architect

Project Name and Address
Residential Development
Land at junction of Dulais Road
and Nant Y Cafn Business Park
Seven Sisters, Neath Port Talbot

Drawing Title
Discharge of: -
Condition 3 and
Condition 9
Planning Approval P2022/0902

Designed	Drawn	Approved
KvW	KvW	KvW

Scale
1:200@A1L

Date
21.10.2025

Drawing Number
930d-LvWH-GEN-NYCBP-DR-GEN-123

Rev:
A