Key			
AV	AIR VALVE	CP	CATCH PIT
BD	BOLLARD	CPS	CONCRETE PAVING SLABS
BS	BUS STOP	CTV	CABLE TELEVISION COVER
BT	BRITISH TELECOM COVER	DP	DOWN PIPE
CB	CONTROL BOX	EP	ELECTRIC POLE
CL	COVER LEVEL	ER	EARTH ROD
		FH	FIRE HYDRANT

FW	FOUL WATER	LP	LAMP POST
G	GULLY	MH	MANHOLE COVER
GV	GAS VALVE	Mkr	MARKER
HR	HAND RAIL	NP	NAME PLATE
IC	INSPECTION COVER	RE	RODDING EYE
IL	INVERT LEVEL	RS	ROAD SIGN
KO	KERB OUTLET	RW	RETAINING WALL

SP	SIGN POST	WO	WASH OUT
SV	STOP VALVE	VT	VENT
SY	STAY		
TCB	TELEPHONE CALL BOX		
TL	TRAFFIC LIGHT		
TP	TELEPHONE POLE		
WM	WATER METER		

Notes

Levels related to Ordnance Survey GPS Datum.
Grid related to Ordnance Survey GPS co-ordinates
North Point indicative only
Survey carried out to client specification and in accordance with RICS publication: SURVEYS OF LAND, BUILDINGS & UTILITY SERVICES AT SCALES 1:500 & LARGER, 2nd EDITION

Station Schedule

Station	Easting	Northing	Level
ST01	352688.795	227073.305	128.739
ST02	352653.337	227139.532	127.050
ST03	352675.514	227161.461	128.391
ST04	352742.623	227085.759	129.593

REVISION

A access gradient amended in accordance with National Higways Design Manual CD 123 for Roads & Bridges

AGENT

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CLIENT

Mr J. Honey

PROJECT

Land adjacent to A49 Harewood End
Herefordshire

DRAWING TITLE

General arrangement drawing showing proposed access & details

SCALE 1:200 / 1:50 1:100 — SHEET SIZE A0 — DATE 1/4/21

DRAWING NO. HON / 17 / 05 — REVISION A

TO HEREFORD

TO ROSS-ON-WYE

A49

A49 HAREWOOD END ROAD

2.40 x 130.00m visibility splay

2.40 x 120.00m visibility splay

existing pavement

existing public footpath stile

stile 127.89

new soakaway to collect water from apron of new entrance 3.0m x 3.0m x 2.4m

top of hedge level 130.31

post and barbed wire fence height 1.00m

14.00m from existing stile to centre of new access

6.00m radius

new storm drain

new gully - see detail

fall 2% max

5.50m

2.40m

6.00m

fall 2% max

edge of new turning head into private drive marked with new dropped kerb type BN - see detail

new tarmacadam access to fall max 2% front to back

no water from new access to discharge onto A49

ACCESS APPROACH GRADIENTS TO NEW DIRECT ACCESS POINT & PRIVATE DRIVE TO BE IN COMPLIANCE WITH NATIONAL HIGHWAYS DESIGN MANUAL CD123 FOR ROADS & BRIDGES

trim back existing hedge shown dotted within new visibility splay

maximum height within new visibility splay 0.60m above carriageway level

grass verge within new visibility splay

Marker Bollard - set in concrete 600mm below ground level

new transition kerb

edge of existing carriageway marked with new dropped kerb type BN - see detail

remove section of existing hedge shown dotted to form new access

NEW VEHICULAR ACCESS TO APPLICATION SITE

remove existing continuous white line to width of new entrance and apply white intermiittent lines to entire width of new entrance

REPLACE MH COVER AND REDUCE LEVEL - see note

MH CL 128.324 CL 128.280

+ 127.53 = proposed level

+ 127.53 = existing level

see enlarged entrance detail

site boundary

2m radius

4.5% gradient

7.00m R

maximum gradient 12.5%

ACCESS APPROACH GRADIENTS TO NEW DIRECT ACCESS POINT & PRIVATE DRIVE TO BE IN COMPLIANCE WITH NATIONAL HIGHWAYS DESIGN MANUAL CD123 FOR ROADS & BRIDGES

trim back existing hedge shown dotted within new visibility splay

maximum height within new visibility splay - shown hatched - to be 0.60m above carriageway level

grass verge within new visibility splay

trim back existing hedge shown dotted within new visibility splay

maximum height within new visibility splay - shown hatched - to be 0.60m above carriageway level

grass verge within new visibility splay

existing pavement

existing public footpath stile

existing pavement

existing pavement

AMARANT HOUSE

NEW SOAKAWAY

150mm ø upvc storm drain to discharge into new soakaway pit to comprise 3.00 x 3.00 x 2.40m clean filled rubble and covered with 1000g polythene and topsoil

Soakaway positioned minimum 5.00m away from road and 2.00m away from site boundary

ENTRANCE DETAIL 1-100

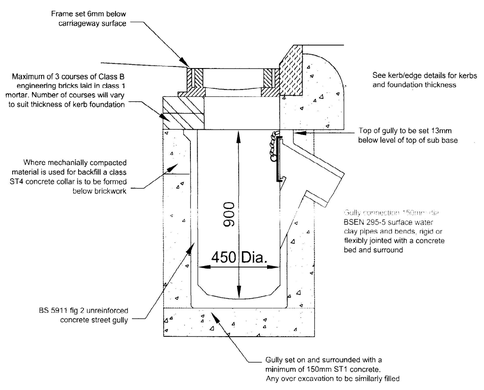
0m 5m 10m

Scale 1-100

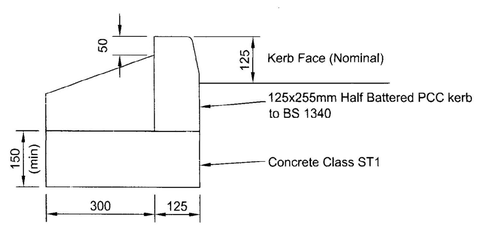
BS EN:124(1994) Grade D400 rectangular double triangular gully grating and frame bearing CE approval mark.

All products must satisfy the following:-

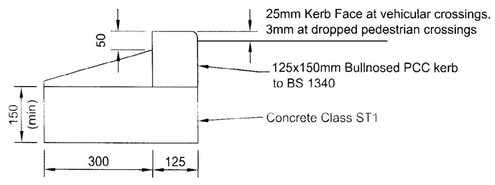
- CE Mark
- BSEN 124
- ISO9001 design & manufacture assessed by 3rd party accredited to BSEN45012.
- Product testing by 3rd party accredited to BSEN45001 & having BSEN124:1994 within its registration.
- Certificates issued by 3rd party accredited to BSEN45011 & having BSEN124:1994 within its scope of registration.
- All 3 elements of the 3rd party assessed certification to be undertaken by a single organisation.



GULLY DETAIL

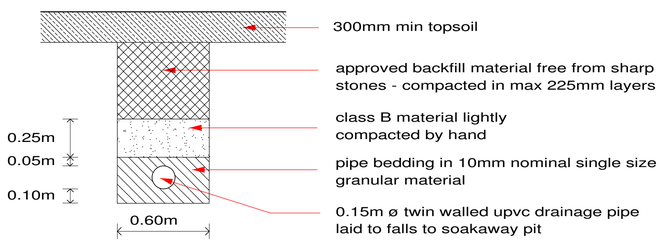


DETAIL A
CONCRETE KERB TYPE HB2



DETAIL B
DROPPED KERB TYPE BN

KERB DETAILS



PROPOSED ENTRANCE & VISIBILITY SPLAYS

0m 10m 20m

Scale 1-200

Standard Road Construction

	Nom. Size	Materials	Compacted Thickness
Surface Course	10mm	High Stone Content/Hot Rolled Asphalt – HSC/HRA 55/10 F Surf 40/60 des minimum PSV 55, to DfT SHW 911	40mm
Binder course	20mm	AC20 dense bin 100/150 rec to DfT SHW 906	60mm
Base Course	32mm	AC32 dense base 100/150 rec to DfT SHW 906	130mm in 2 Layers
Sub-base and Capping	CBR 5% and Above	Type 1 sub base to DfT SHW Clause 803	225mm
	2% - 5%	Type 1 sub base DfT SHW to Clause 803 6F1 or 6F2 Capping Layer to SHW Clause 613	150mm 350mm
	Below 2%	Type 1 sub base DfT SHW to Clause 803 6F1 or 6F2 Capping Layer to SHW Clause 613	150mm 600mm

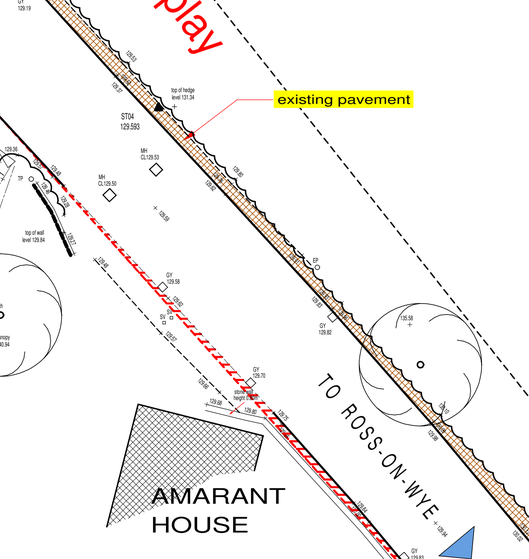


Photo 1: Example of bollards highlighting an access

EXAMPLE OF BOLLARDS HIGHLIGHTING AN ACCESS AND DASHED LINE TO BELLMOUTH

NEW ACCESS ROAD CONSTRUCTION

TYPICAL PIPE BEDDING MATERIAL FOR STORM DRAINAGE

0m 1m 2m

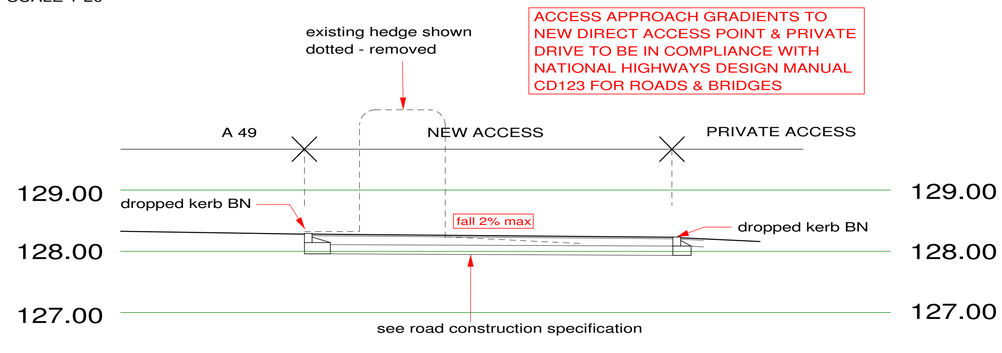
SCALE 1-20

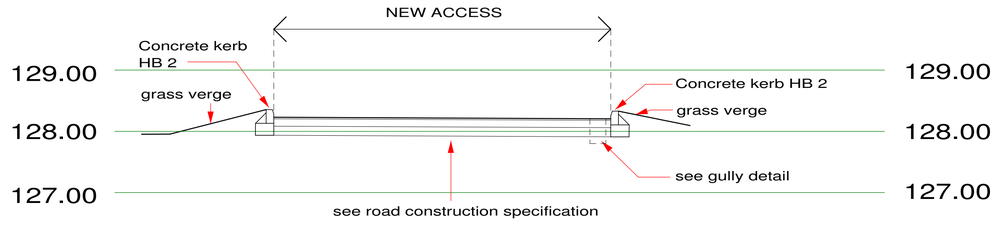
MANHOLE WITHIN NEW ACCESS

Remove existing mh cover and lower level as required

New cover and frame to be BSEN 124 1994

Frame bedded on a gauged class 1 sand/cement mortar to DfT SHW clause 2404 above 2-3 courses of engineering brick





LONG SECTION AA THROUGH NEW ACCESS

0m 1m 2m 3m 4m 5m

SCALE 1-50

CROSS SECTION BB THROUGH NEW ACCESS

SCALE 1-50