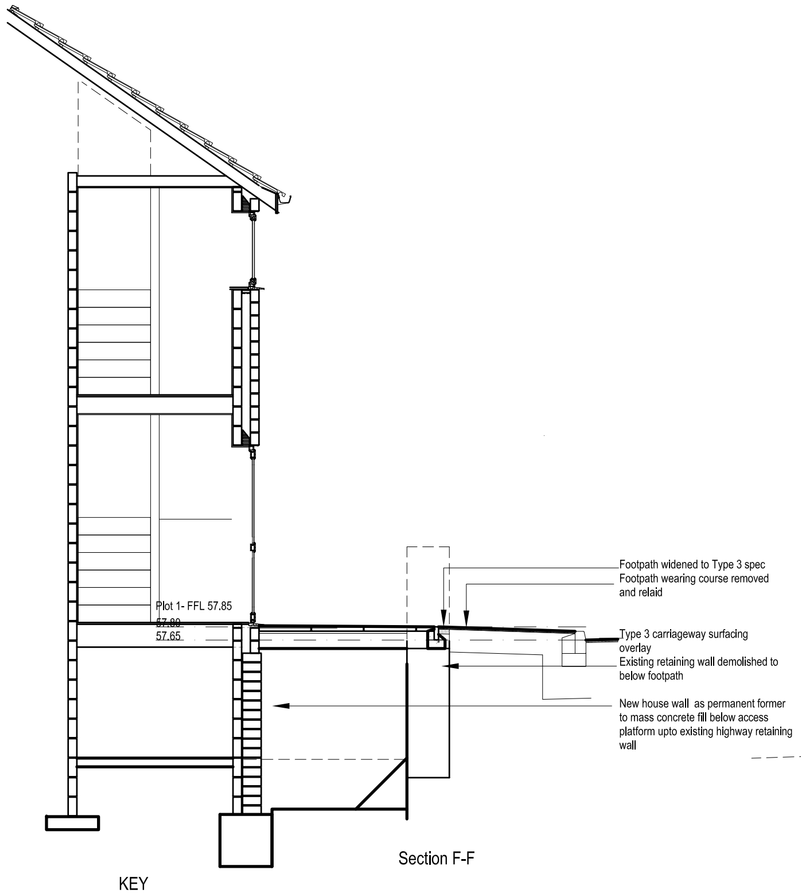
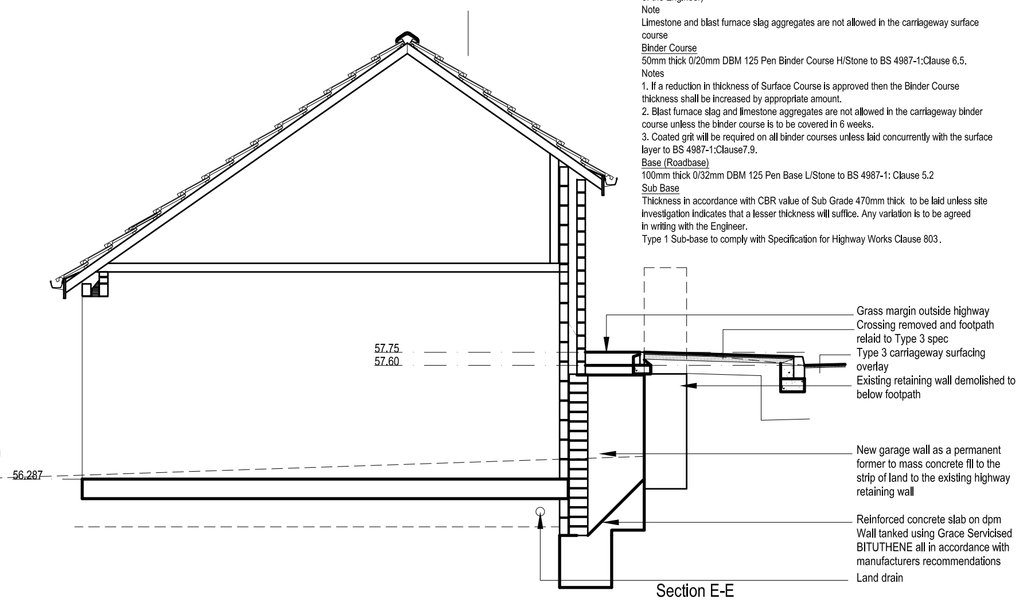


Section F-F



Section E-E

All works to the Highway are to be constructed to SPECIFICATION OF CONSTRUCTION MATERIALS AND STANDARD CONSTRUCTION DETAILS

FOOTPATHS, FOOTWAYS AND FOOTWAY VEHICLE CROSSING FOR CAR USE ONLY

Surface Course
25mm thick 0/6mm DBM 190 Pen Surface Course L/Stone to BS 4987-1;Clause 7.5
0/4mm FG 190 Pen Surface Course L/Stone to BS 4987-1; Clause 7.7 may be used if approved by the Engineer.
Binder Course
55mm thick 0/20mm DBM 190 Pen Binder Course L/Stone to BS 4987-1; Clause 6.5
Sub-Base
150mm thick Type 1 Sub-Base to comply with Specification for Highway Works Clause 803.
Must be free from extraneous matter. Weeds must be removed and the subgrade sprayed with total weedkiller.

CARRIAGEWAY CONSTRUCTION FOR TYPE 3 ROADS

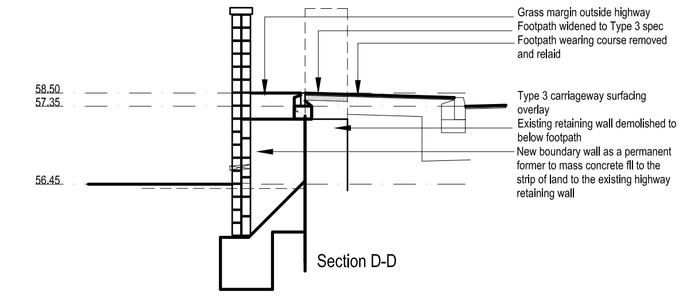
125mm kerb face – 155mmkerb face at bus stops
Surface Course
40mm thick 0/14mm SMA 50 Pen Surface Course H/ Stone PSV 65 to South Yorkshire Laboratory Specification No 41.(A lesser thickness of SMA may be permitted if agreed in writing with the Engineer see note 1 bellow)
OR
45% 0/10mm High Stone Content 50 Pen Surface Course Steel Slag to South Yorkshire Laboratory Specification No 29 with 10mm aggregate (or 14mm aggregate at the request of the Engineer)
Note
Limestone and blast furnace slag aggregates are not allowed in the carriageway surface course
Binder Course
50mm thick 0/20mm DBM 125 Pen Binder Course H/Stone to BS 4987-1;Clause 6.5.
Notes
1. If a reduction in thickness of Surface Course is approved then the Binder Course thickness shall be increased by appropriate amount.
2. Blast furnace slag and limestone aggregates are not allowed in the carriageway binder course unless the binder course is to be covered in 6 weeks.
3. Coated grit will be required on all binder courses unless laid concurrently with the surface layer to BS 4987-1;Clause7.9.
Base (Roadbase)
100mm thick 0/32mm DBM 125 Pen Base L/Stone to BS 4987-1; Clause 5.2
Sub Base
Thickness in accordance with CBR value of Sub Grade 470mm thick to be laid unless site investigation indicates that a lesser thickness will suffice. Any variation is to be agreed in writing with the Engineer.
Type 1 Sub-base to comply with Specification for Highway Works Clause 803.

KEY

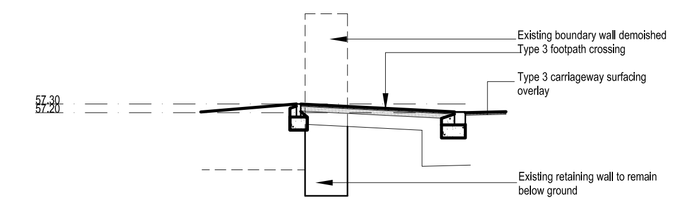
- Type 3 footpath construction
- Type 3 footpath re-surfacing
- Type 3 carriageway construction
- Type 3 carrailgeway overlay

KERB TYPE AND BED THICKNESS

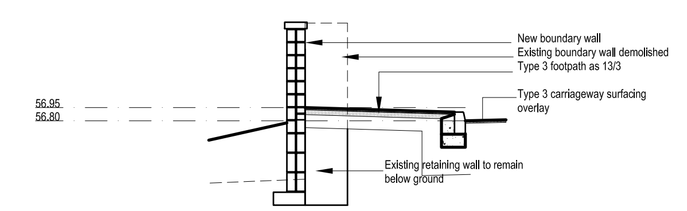
HB2/150	125X255 half battered kerb
BN3/150	125x150 bullnosed kerb
BN1/150	150x305 bullnosed kerb
DR1/150 DL1/150	Transition kerb Right and Left handed
EF/100	50x150 Flat top edging



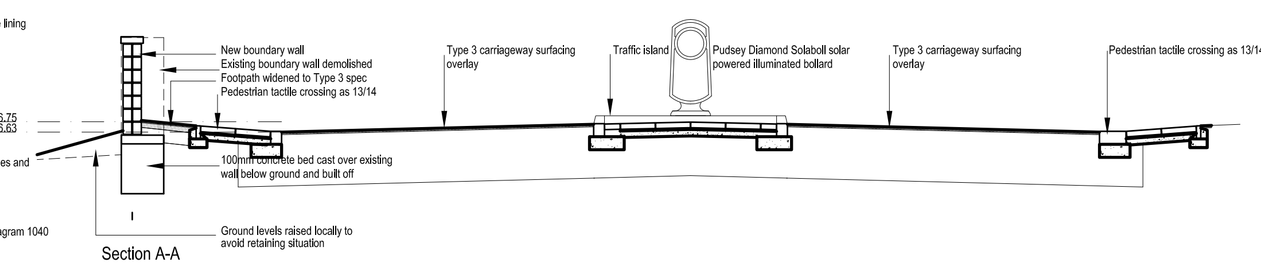
Section D-D



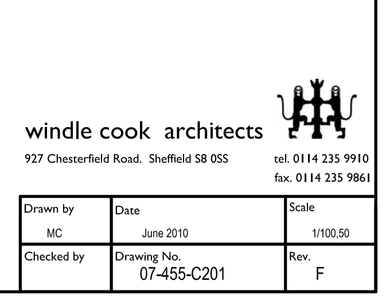
Section C-C



Section B-B



Section A-A



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SITE LOCATION PLAN 1/1250

SOLAR ILLUMINATED TRAFFIC BOLLARDS

Specification

1. Generall

Bollards shall be of Pudsey Diamond Solabolt solar powered bollards obtained from
Pudsey Diamond Engineering Ltd
Mitchell Close
West Portway Industrial estate
Andover
Hampshire SP10 3TJ.

2. Specification

Self righting retroflective solar bollard complying to luminance requirements of BS EN 12899:2007:Table 19 Class L2 Light sensor controlled.

To comply with BS8442 and achieve passive safety classification 50 NE 4 and 70 NE 3 under Bs En 12767

batteries housed In IP68 designated underground box

Shall be amanufactured from Flexipoll 8500

F: Amended for solar powered bollard — March 2012
E: Plot 1 moved away from retaining wall — January 2011
D: Plots 2 and 3 moved away from retaining wall — January 2011
C: Lane arrow removed, Lining referenced to Traffic Signs Manual, materials for construction types noted — September 2010
B: Carriageway and footpath to be Type 3 construction, Details of turning pocket and white lining added. Retaining walls amended — September 2010
A: Illuminatede bollard spec added. new lighting column to be raise and lower type — August 2010

Client
WENDAN CONSTRUCTION

Project
RESIDENTIAL DEVELOPMENT
PARK ROAD,
WORSBROUGH, BARNSLEY

Drawing
SECTION 178 HIGHWAYS WORKS

windle cook architects
927 Chesterfield Road. Sheffield S8 0SS
tel. 0114 235 9910
fax. 0114 235 9861

Drawn by	Date	Scale
MC	June 2010	1/100,50
Checked by	Drawing No. 07-455-C201	Rev. F