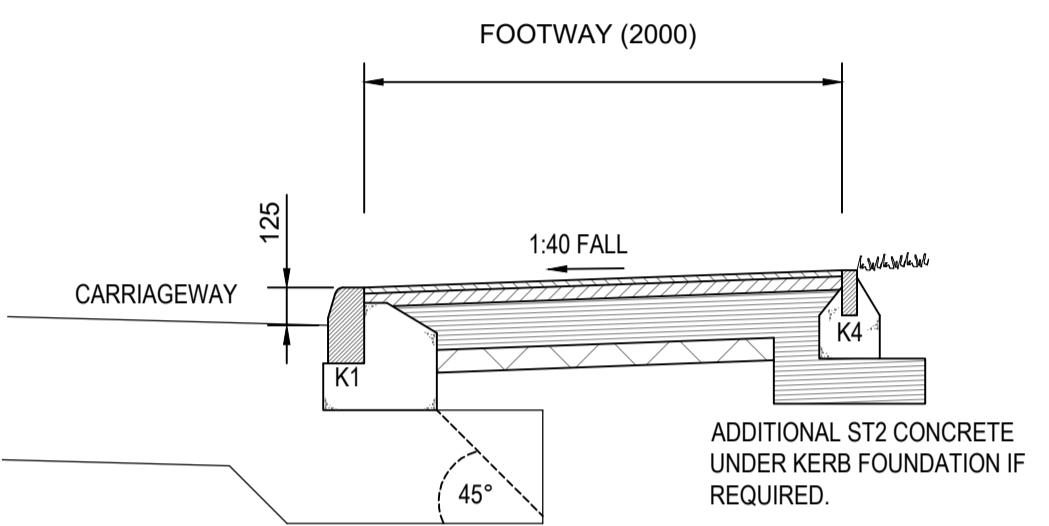


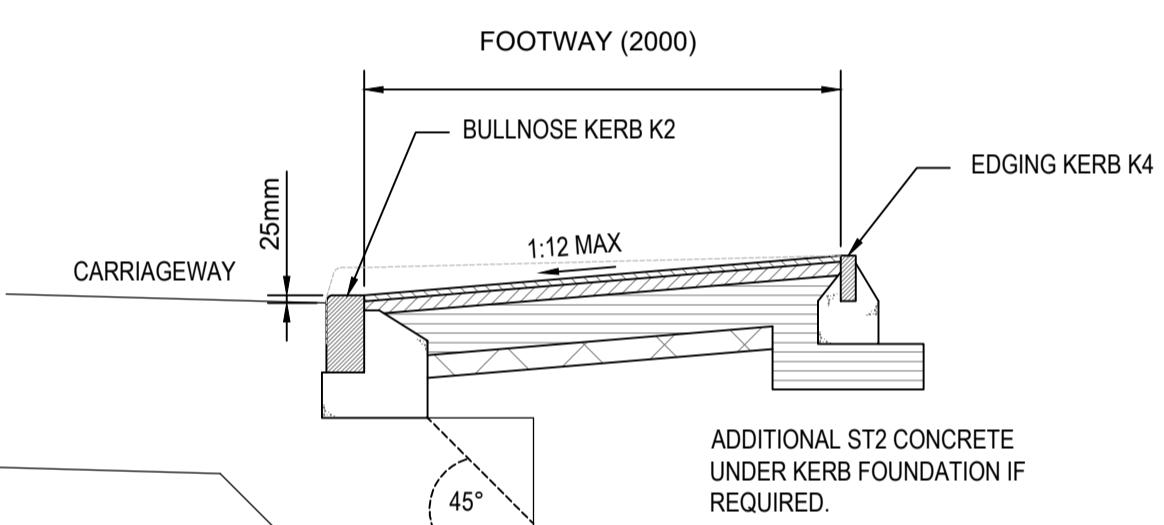
### TARMACADAM/ BLOCK PAVED CARRIAGeway

SEE TABLES FOR CONSTRUCTION DETAILS  
SPEC 1  
SCALE 1:25



### TARMACADAM FOOTWAY/ CYCLEWAY

SEE TABLE FOR CONSTRUCTION DETAILS  
SCALE 1:25



### DOMESTIC VEHICLE CROSSING

SEE TABLE FOR CONSTRUCTION DETAILS  
SCALE 1:25

### TARMACADAM CARRIAGeway

LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE	HIGH STONE CONTENT HOT ROLLED ASPHALT (HRA) SURFACE COURSE COMPLYING WITH BS EN 13108-4 TABLE 4. 30/14F + PCC 14/20 HRA SURF, BINDER GRADE 40/60, MINIMUM PSV = 63, MAXIMUM AAV = 14.	40mm
BINDER	DENSE BITUMEN MACADAM (DBM) BINDER COURSE COMPLYING WITH BS EN 13108-1. AC20 DENSE BIN, BINDER GRADE 40/60.	60mm
BASE	DENSE BITUMEN MACADAM (DBM) BASE COMPLYING WITH BS EN 13108-1. AC32 DENSE BIN, BINDER GRADE 40/60.	130mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. THICKNESS TO BE DETERMINED FROM CBR VALUE MEASURED ON SITE. ALL TEST AND DECISIONS ON SUB-BASE REQUIREMENTS ARE TO BE MADE BY THE HIGHWAY AUTHORITY.	320mm *
CAPPING	CLASS 6F1 OR 6F2 GRANULAR CAPPING MATERIAL TO CLAUSE 613 OF SHW. REQUIREMENT AND THICKNESS DEPENDANT UPON CBR TESTING. ALL TESTS AND DECISIONS ON CAPPING REPLACEMENT ARE TO BE MADE BY THE HIGHWAY AUTHORITY.	240mm *

\* THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR 3% INSITU. CBR TEST TO BE CARRIED OUT BY THE CONTRACTOR AT 30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY/ENGINEER.

### BLOCK PAVED CARRIAGeway

LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE	MARSHALLS KEYBLOK (200X100) CONCRETE PAVING LAID IN HERRINGBONE PATTERN. COLOUR: GREYS; 'CHARCOAL', REDS: 'BRINDLE' - SUBJECT TO CONTRAST WITH ADJACENT HIGHWAY AND HOUSES	80mm
LAYING	COURSE SHARP SAND. TO BE TREATED WITH APPROVED ACTIVE PRE AND POST EMERGENCY RESIDUAL WEED KILLER	50mm
BASE	CLOSE GRADED AC32 DENSE BIN, BINDER GRADE 40/60. COMPLYING WITH BS EN 13108-1	130mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. THICKNESS TO BE DETERMINED FROM CBR VALUE MEASURED ON SITE. ALL TEST AND DECISIONS ON SUB-BASE REQUIREMENTS ARE TO BE MADE BY THE HIGHWAY AUTHORITY.	240mm *
CAPPING	CLASS 6F1 OR 6F2 GRANULAR CAPPING MATERIAL TO CLAUSE 613 OF SHW. REQUIREMENT AND THICKNESS DEPENDANT UPON CBR TESTING. ALL TESTS AND DECISIONS ON CAPPING REPLACEMENT ARE TO BE MADE BY THE HIGHWAY AUTHORITY.	210mm *

\* THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR 5% INSITU. CBR TEST TO BE CARRIED OUT BY THE CONTRACTOR AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY/ENGINEER.

ALL THICKNESSES STATED ARE FINISHED COMPAKTED THICKNESSES.

FOR FROST SUSCEPTIBLE SOILS MINIMUM CONSTRUCTION DEPTH IS 450MM. ADDITIONAL SUB-BASE LAYER IS TO BE LAID BELOW THE SUB-BASE TO ACHIEVE THE OVERALL CONSTRUCTION DEPTH OF 450MM.

BASE, SUB-BASE AND CAPPING LAYERS SHOULD BE COMPAKTED IN ACCORDANCE WITH DTP "SPECIFICATION FOR HIGHWAY WORKS".

ALL FORMATIONS TO BE PROOF ROLLED IMMEDIATELY PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE FORMATION SHALL THEN BE PROTECTED FROM THE WEATHER DURING THIS PERIOD.

CBR	Subbase on Capping	Subbase only
≤2.5	Subbase	Capping
2.6-2.9	250	420
3.0-3.9	230	380
4.0-4.9	220	330
5.0-5.9	200	250
6.0-9.9	180	240
10.0-11.9	150	200
12.0-14.9	150	180
≥15	150	220

Data in table has been derived from figures 3.18 and 3.20 of CD 225 Rev 1

### TARMACADAM FOOTWAY/CYCLEWAY CONSTRUCTION

LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE	CLOSE GRADED AC6, PEN 100/150.	25mm
BINDER	CLOSE GRADED AC20, PEN 40/60.	75mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. MINIMUM CBR OF 2%. THICKNESS DEPENDANT UPON CBR TESTING.	CBR <2% - 225mm CBR >2.5% - 150mm

### VEHICULAR CROSSOVER

LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE	CLOSE GRADED AC6, PEN 100/150.	25mm
BINDER	CLOSE GRADED AC20, PEN 40/60.	75mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. THICKNESS TO BE DETERMINED FROM CBR VALUE MEASURED ON SITE. ALL TEST AND DECISIONS ON SUB-BASE REQUIREMENTS ARE TO BE MADE BY THE HIGHWAY AUTHORITY.	320mm *

\* THE ABOVE DESIGN APPLIES WHERE THE FORMATION CBR 5% INSITU. CBR TEST TO BE CARRIED OUT BY THE CONTRACTOR AT 20-30m INTERVALS AND RESULTS REPORTED TO THE HIGHWAY AUTHORITY/ENGINEER.

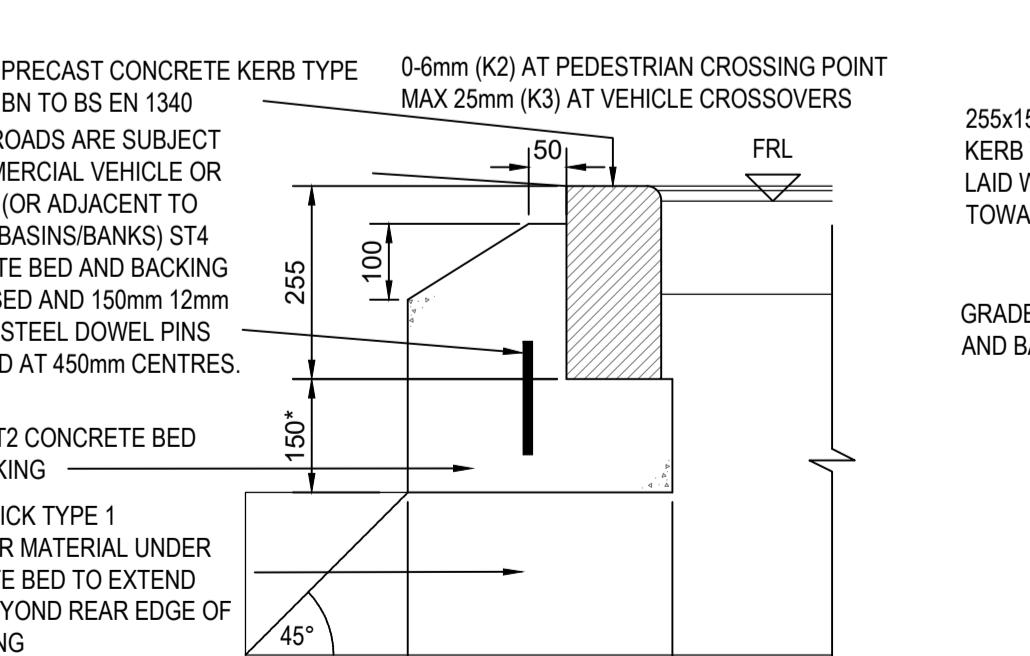
ALL FORMATIONS TO BE PROOF ROLLED IMMEDIATELY PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE FORMATION SHALL THEN BE PROTECTED FROM THE WEATHER DURING THIS PERIOD.

### TACTILE PAVING PEDESTRIAN CROSSING

LAYER	SPECIFICATION	THICKNESS (mm)
SURFACE	400mm SQ x 50mm THICK BUFF COLOURED BLISTER FLAGS	50mm
LAYING	1:2 CEMENT / SAND BED	50mm
BINDER	THICK LEAN MIX CEMENT BOUND MATERIAL	150mm
SUB BASE	TYPE 1 SUB-BASE MATERIAL TO CLAUSE 803, TABLE 8/2 OF SHW. MINIMUM CBR OF 20%. THICKNESS DEPENDANT UPON CBR TESTING.	CBR <2% - 225mm CBR >2.5% - 150mm

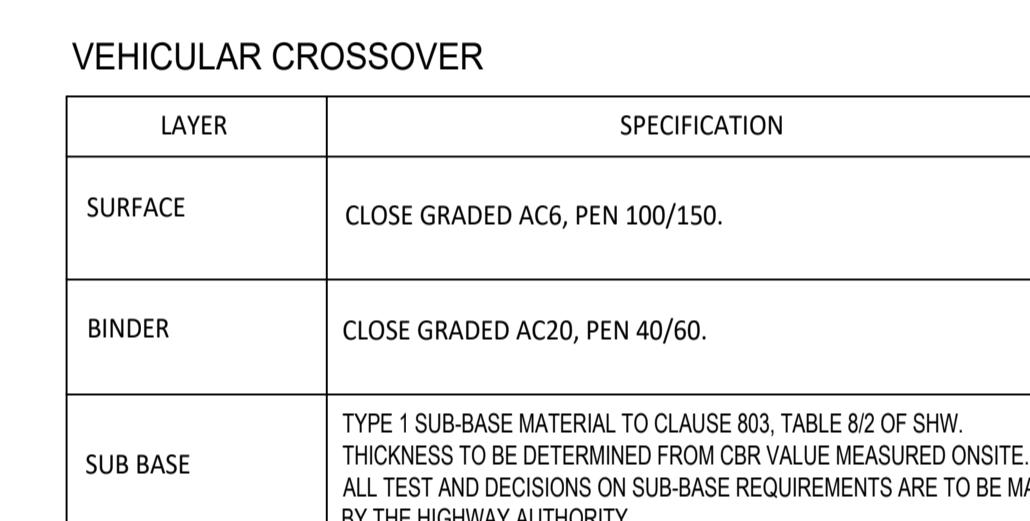
### TACTILE PAVING PEDESTRIAN CROSSING

SCALE 1:25



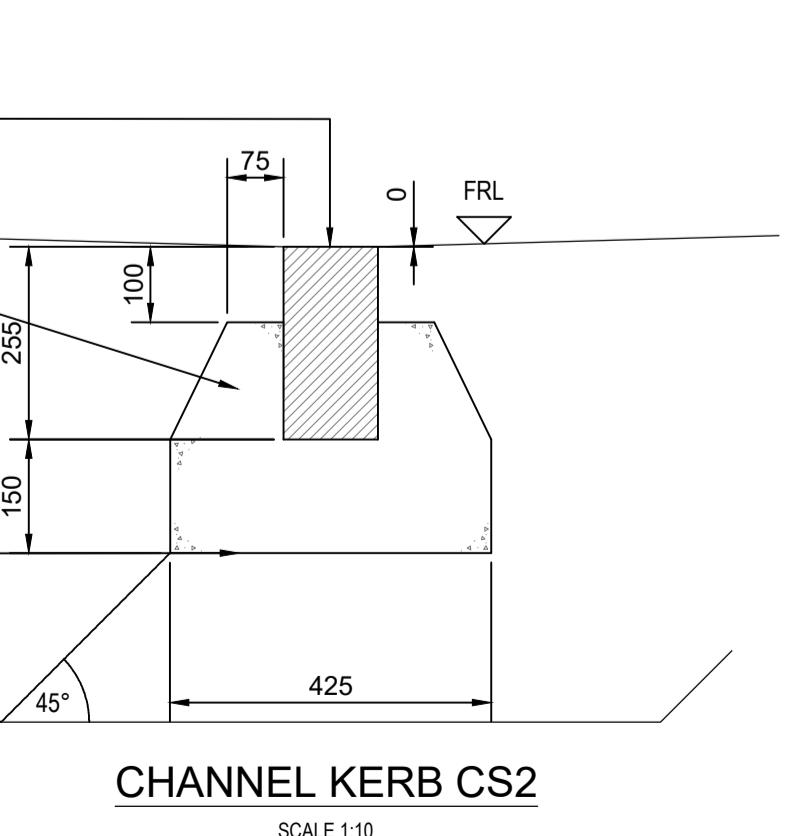
### STANDARD KERB TYPE HB2

SCALE 1:10



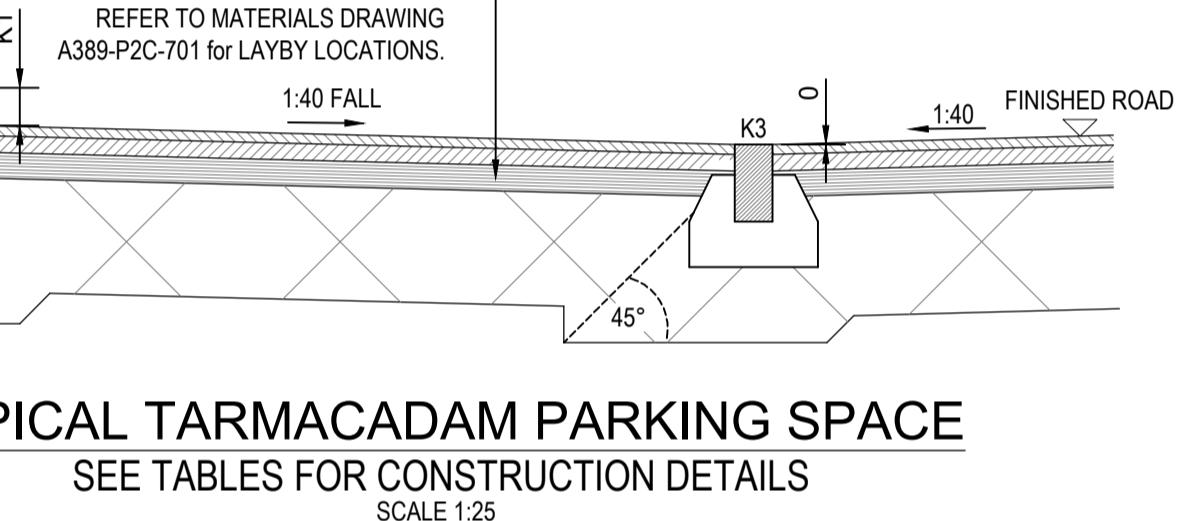
### BULLNOSE KERB TYPE BN

SCALE 1:10



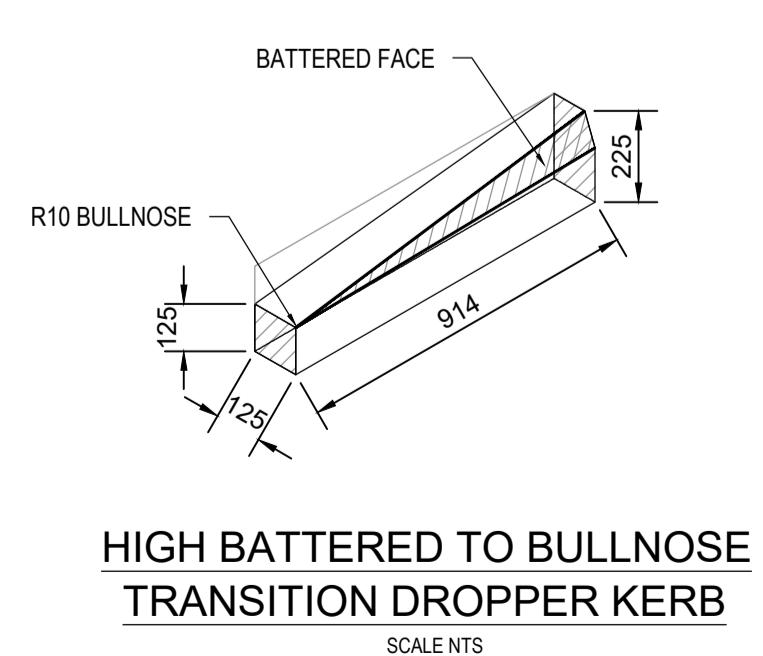
### CHANNEL KERB CS2

SCALE 1:10



### PCC EDGING TYPE EF 150mm DEEP

SCALE 1:10



### HIGH BATTERED TO BULLNOSE TRANSITION DROPPER KERB

SCALE NTS

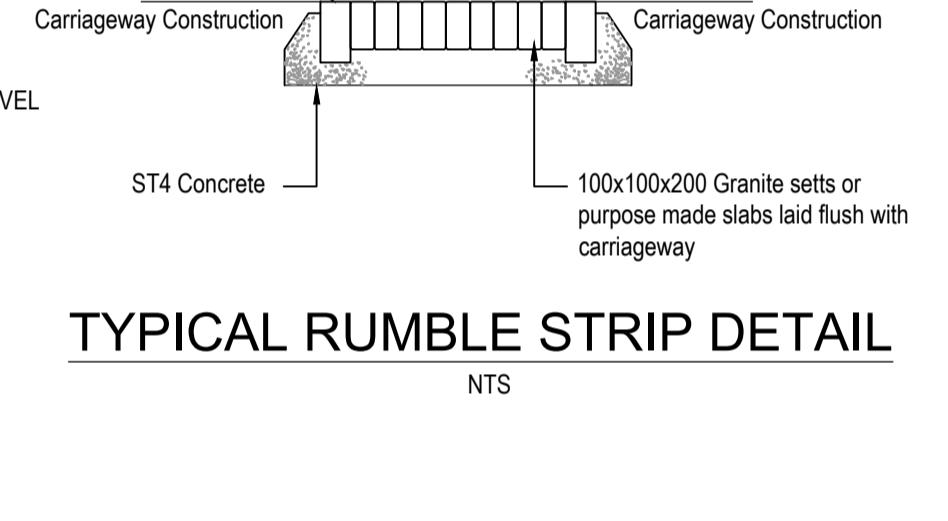
© ABLEY LETCHFORD PARTNERSHIP LTD.  
This drawing should not be reproduced without consent.

#### GENERAL NOTES:

- This drawing is to be read in conjunction with and checked against all other drawings, Engineering details, Specification and any structural, Geotechnical or other specialist document provided.
- Any conflict in interpretation between any of the above is to be reported to the Engineer.
- WBC Highway Inspector to be present during inspection/CBR testing.
- Gratings and frames shall be to BS EN1209.
- Ref. Class C250 footways only.
- Large gratings may only be used by the approval of the overseeing organisation.
- Dishetti gratings permissible in footways only.
- Flags shall be bedded on 30mm mortar to designation (ii) or (iii).
- The laying arrangement shown of tactile slabs are indicative only and shall be in accordance with Guidance on the use of Tactile Paving Surfacing DETR. When the dropped kerb is in direct line of travel the tactile surface shall be laid to a depth of 120mm.
- Crossing kerbs shall be flush with the carriageway where tactile flags are used.

CBR	Subbase on Capping	Subbase only
≤2.5	Subbase	Capping
2.6-2.9	250	420
3.0-3.9	230	370
4.0-4.9	220	330
5.0-5.9	200	250
6.0-9.9	180	240
10.0-11.9	150	200
12.0-14.9	150	180
≥15	150	220

Data in table has been derived from figures 3.18 and 3.20 of CD 225 Rev 1



### TYPICAL RUMBLE STRIP DETAIL

NTS

### AL ABLEY LETCHFORD PARTNERSHIP Consulting Engineers

3 Tealgate, Charlton Park  
Hungerford, Berkshire RG17 0YT  
www.alpc.co.uk Tel: 01488 684390

Client  
**KIER PROPERTY DEVELOPMENTS LIMITED**

Project  
**SOUTH WOKINGHAM SLD PHASE 2B R11 RESERVED MATTERS APPLICATION**

Title  
**HIGHWAY CONSTRUCTION DETAILS SHEET 1**

#### Status