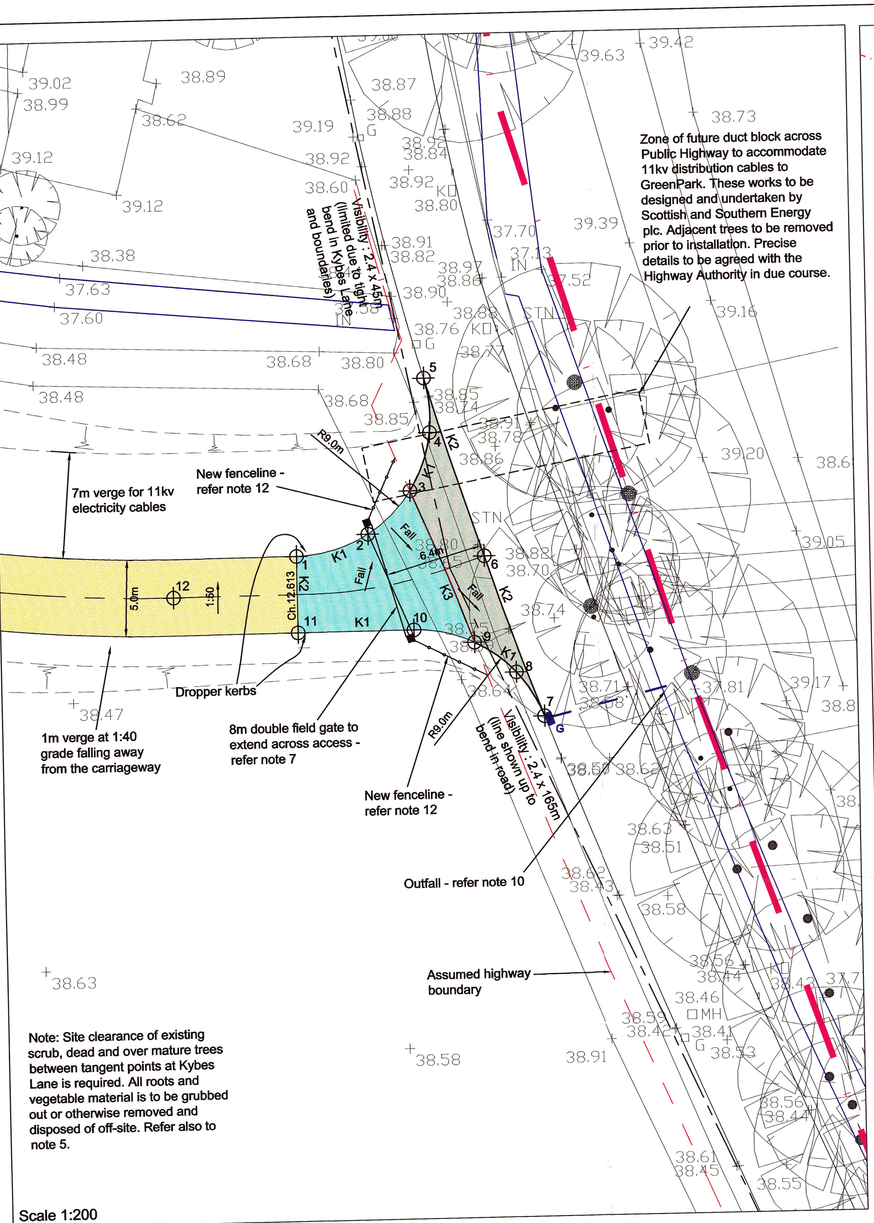
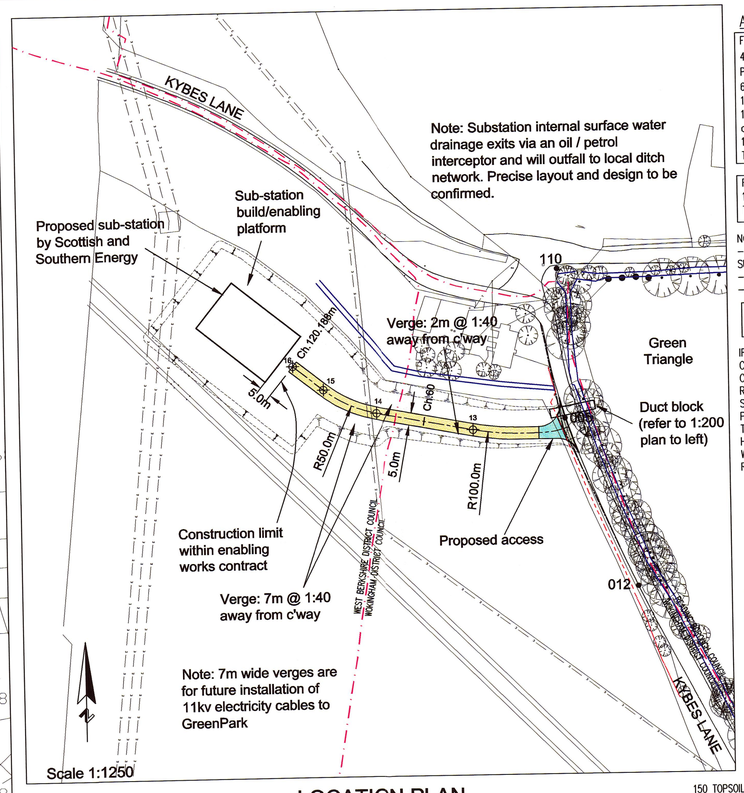


PLAN OF CONNECTION TO KYBES LANE



LOCATION PLAN

Survey Stations:

005: 469710.950 E / 169954.970 N / 38.824 Z (Nail)
012: 469739.753 E / 169885.423 N / 38.720 Z (Nail)
110: 469708.406 E / 170016.363 N / 39.589 Z (Permamark)

ALTERNATIVES FOR HARD-PAVED ACCESS ROAD CONSTRUCTION

FLEXIBLE

40mm close graded bitumen macadam wearing course (10mm nominal size, 100 or 200 PEN binder) to BS 4987 Part 1.
60mm DBM base course (20mm nominal size, 100 or 200 PEN binder) to BS 4987 Part 1.
100mm DBM road base to BS 4987 Part 1 Cl5.2.
or
150mm Concrete road base CBM3 to SHW clause 1038.
Type 1 sub-base material to SHW clause 803 as required - see note below.

RIGID

170mm Unreinforced air-entrained concrete C40 to BS 5328 and SHW clause 1001-1034.
Type 1 sub-base material to SHW clause 803 as required - see note below.

NOTE:
- SHW REFERS TO SPECIFICATION FOR HIGHWAY WORKS 1991 AND SUBSEQUENT AMENDMENTS.
- DIMENSIONS IN MILLIMETERS.
- SUB-BASE THICKNESS REQUIREMENTS ARE AS FOLLOWS:

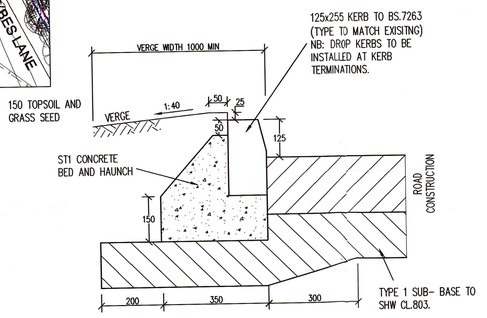
CBR of Sub-grade (%)	<=2	<=5	<=15	>15	>30
Thickness (mm)	750	500	225	150	0

IF THE CONTRACTOR WISHES TO USE A CRUSHED ROCK, CRUSHED SLAG, CRUSHED CONCRETE, BROKEN BRICK OR CAPPING LAYER MATERIAL WHICH HE CONSIDERS MAY BE SUITABLE FOR THE SUB-BASE WHICH COMPLIES IN ALL RESPECTS TO THE TYPE 1 SUB-BASE SPECIFICATION, THE CONTRACTOR SHALL DEMONSTRATE ITS SUITABILITY TOGETHER WITH THE COMPACTION PLANT HE PROPOSES TO USE BY COMPLETING A TRIAL AREA. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY MATERIAL WHICH IS IN HIS OPINION UNSUITABLE AND ANY COSTS IN RELATION TO TRIAL AREAS, WHETHER THE MATERIAL AND THE METHOD OF COMPACTION IS APPROVED OR REJECTED, SHALL BE MET BY THE CONTRACTOR.

CONSTUCTION FOR SUB-BASE ACCESS ROAD

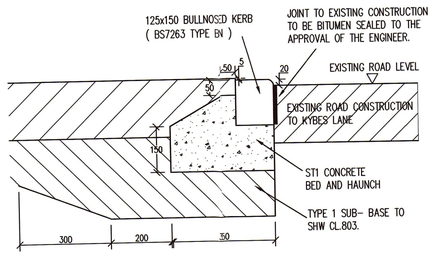
THE ACCESS ROAD WEST OF ADOPTABLE HIGHWAY (DEFINED BY K3 KERBING) SHALL BE CONSTRUCTED WITH TYPE 1 SUB-BASE MATERIAL (300mm MIN. THICKNESS) TO SHW CLAUSE 803 LAID ON CLASS 6F2 OR OTHER NON-FROST SUSCEPTIBLE CAPPING (150mm MIN. THICKNESS) TO SHW CLAUSE 613 TO THE THICKNESS' AS DEFINED BELOW:

CBR of Sub-grade (%)	<=2	<=5	<=15	>15
Type 1thickness (mm)	300	300	300	300
6F2 thickness (mm)	600	350	150	150



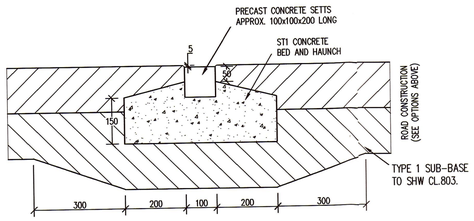
K1 KERB DETAIL

SCALE 1:10



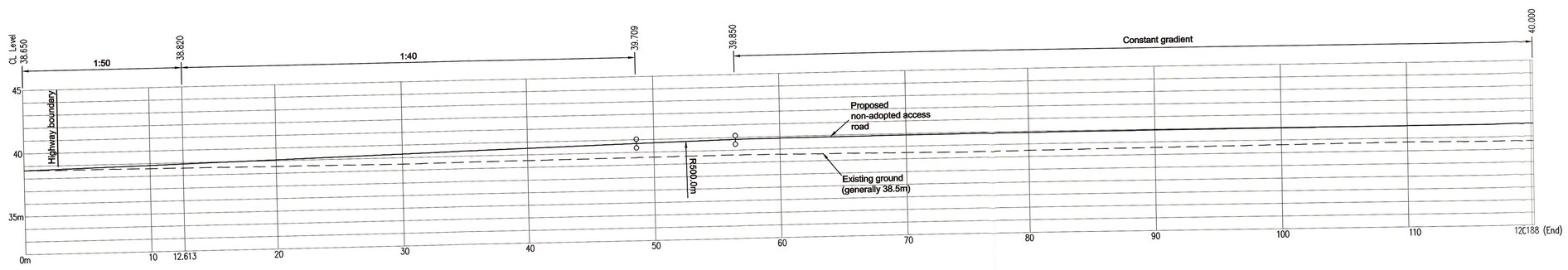
K2 KERB DETAIL (Edge support)

SCALE 1:10



K3 KERB DETAIL (Highway boundary)

SCALE 1:10



LONGITUDINAL SECTION

Scale 1:200

NOTES:

1. Levels shown are in meters and are above Ordnance Datum.
2. All works shall be in accordance with the Manual of Contract Documents Specification for Highway Works 1991 and subsequent amendments as published by The Stationery Office.
3. Visibility splays are to be provided as shown in each direction from the centerline of the new access road. The Contractor shall carry out the necessary clearance works to achieve this requirement. This generally involves trimming back branches and bushes.
4. The Contractor shall ensure that in breaking out the existing kerbing along Kybes Lane every effort is made to retain the integrity of the existing carriageway edge.
5. The removal of any trees, to the Engineers written consent, shall include the roots. Any holes so formed shall be backfilled with Class 1a or 2c material and and finished with 150mm of topsoil.
6. To assist in setting out, permanent survey stations are indicated on this drawing. Any stations that are covered up or affected in any way by the works shall be re-established as agreed with the Engineer and any new coordinates and levels furnished. The Contractor shall inform the Engineer of any discrepancies of tie-in levels prior to commencing construction works.
7. The Contractor shall submit for approval details of the gates proposed to be used. Gates shall be tubular steel of height 1.2 - 1.5m, shall be fixed with latches that enable the gates to be secured together, and shall be fixed with drop bolts at each end to assist securing the gates whilst closed and whilst open. A padlock is to be provided with 6 sets of keys. The gates are to open into the field. Note, the gates open on an uphill slope and therefore a ground clearance of 250mm will be required to ensure they can be secured in the verge whilst open.
8. For details of gully refer to drawing no. 2942/904/076A. Pipe gradients shall be determined on-site by the Engineer (1:150min.). Reinstatement of the existing carriageway is to be in accordance with the Highway Authority details.
9. Topsoil is to be stripped from below the footprint of the works and shall be stockpiled within GreenPark as directed by the Engineer. Embankment slopes shall be finished with 250mm thickness of topsoil under a future contract by others.
10. The pipe outfall is to be surrounded evenly with approximately 12-16 Hessian bags (450L x 250W x 100H mm approx. dimensions) filled with grade ST1 concrete, well rammed.
11. Setting out levels indicated as 'Existing' shall be confirmed by the Contractor. The Engineer shall be notified of any difference or error so that other design levels may be amended accordingly if required.
12. New fence to be wooden post and three rail to the Highways Agency Manual of Contract Documentation Volume 3 - Highway Construction Details drawing no. H15. The fence shall butt up tight and be secured to adjoining fences/gates. Barbed wire is not required.

KEY

- Gate
- New Adopted Access Road Junction (Blacktop or concrete as notes)
- New Non-Adopted Access Road (Blacktop or concrete as notes)
- New Non-Adopted Access Road (Type 1 as notes)
- 1 - Proposed setting out point
- G - Proposed gully
- Proposed carrier drain
- Proposed fenceline
- 542 - Survey Station

01.FEB.2001 * 3296

Setting Out Points

01: X = 469700.013	Y = 169951.667	Z = 38.832
02: X = 469704.739	Y = 169953.032	Z = 38.766
03: X = 469707.560	Y = 169955.825	Z = 38.750
04: X = 469708.917	Y = 169959.651	Z = 38.745
05: X = 469708.596	Y = 169963.249	Z = 38.74 (Existing)
06: X = 469712.351	Y = 169951.446	Z = 38.65 (Existing)
07: X = 469716.114	Y = 169940.872	Z = 38.52 (Existing)
08: X = 469714.323	Y = 169943.785	Z = 38.564
09: X = 469711.612	Y = 169945.801	Z = 38.634
10: X = 469707.653	Y = 169946.700	Z = 38.730
11: X = 469700.034	Y = 169946.667	Z = 38.932
12: X = 469691.898	Y = 169949.132	Z = 38.920
13: X = 469673.041	Y = 169950.844	Z = 39.509
14: X = 469633.130	Y = 169958.327	Z = 39.905
15: X = 469611.452	Y = 169968.155	Z = 39.963
16: X = 469598.991	Y = 169977.947	Z = 40.000

Mark	Revision	Drawn	Date	Chkd
A	Drainage removed, vertical alignment and verge widths amended	JHL	01/01	FD

Drawing Issue Status
DRAFT FOR HIGHWAY AUTHORITY APPROVAL

GREENPARK
PROPOSED PRIMARY SUB-STATION ACCESS ROAD CONNECTED TO KYBES LANE

Client
PRUDENTIAL PROPERTY INVESTMENT MANAGERS LIMITED

pba peter brett associates CONSULTING ENGINEERS
16 WESTCOTE ROAD READING BERKSHIRE RG30 2DE TEL 0118 950 0761 FAX 0118 959 7498
email: reading@pba.co.uk Internet: www.pba.co.uk

Date	Drawn by	Drawing Number	Revision
01/2001	JHL	10729/080/001	A
Scale: As Shown	Checked by: FD		

A1

J:\10729\080\ACAD\DWGS\001A.dwg