



LOCATION	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	
ALIGNED TO RAMP	0.000	24055.528	66818.529	70.000	202.782	26.500	30.041	17.850	19.240	0.000	41.80
PROPOSED - 1	252.841	24481.841	66820.427	70.000	172.815	26.500	30.041	17.850	19.240	0.000	41.80
PROPOSED - 2	252.841	24481.841	66820.427	70.000	172.815	26.500	30.041	17.850	19.240	0.000	41.80
PROPOSED - 3	252.841	24481.841	66820.427	70.000	172.815	26.500	30.041	17.850	19.240	0.000	41.80

- DESIGN CRITERIA - ON RAMP
- 1A INDICATES REQUIREMENT FOR TYPE B PARALLEL LANE MERGE IN ACCORDANCE WITH FIGURE 2/4 AND TABLE 4/4 OF TD 22/05.
 2. DESIGN CRITERIA THEREFORE FOR RURAL MOTORWAY STANDARD IS:
NOSE LENGTH (3) = 115m
AUXILIARY LANE (4) = 230m
AUXILIARY PAPER (5) = 75m
 3. TABLE 3/1 B, CONNECTOR ROAD FLOW <1350 THEREFORE CROSS SECTION TYPE M/A1
 4. LENGTH 0.75m THEREFORE DESIGN AS SUP ROAD
 5. TABLE 4/2 FOR SUP ROAD DESIGNATION MERGING WITH RURAL MOTORWAY DESIGN SPEED = 70mph
 6. FOR DESIGN SPEED OF 70mph THE FOLLOWING DESIRABLE MINIMUM CRITERIA APPLY
STOPPING SIGHT DISTANCE = 120m
MINIMUM RADIUS WITH SUPERELEVATION OF 2.5% = 720m
DESIRABLE MINIMUM CREST K = 30
DESIRABLE MINIMUM SAG K = 20
 7. CROSS SECTION DIMENSIONS FOR TD27/05, FIGURE 4-1b MIN VERGE WIDTH = 2.0m (CLAUSE 4.7.6)
HARD SHOULDER WIDTH = 3.3m
HARDSTRIP WIDTH = 3.7m
HARDSTRIP WIDTH = 0.7m (INCREASED TO 1.0m WHERE DRAINAGE GULLIES INSTALLED)
VERGE WIDTH = 2.3m (REDUCED TO 2.0m WHERE HARDSTRIP INCREASES TO 1.0m)
TECHNICAL REQUIREMENTS
BERM = 3.0m TO SUIT MAINTENANCE REQUIREMENTS

DO NOT scale from this drawing

- NOTES
1. ALL LEVELS ARE IN METRES RELATED TO OD.
 2. THE SPECIFICATION FOR THIS PROJECT IS THE 3RD EDITION OF THE SPECIFICATION FOR THE DESIGN OF ROADWORKS (SPECS) 2011.
 3. FOR GENERAL ALIGNMENT REFER TO DRAWING No. 06614/100/103

DRAFT

Rev	Revision details	By	Checked
1			
BEORROW HOUSES (SCOTLAND) LTD			
Project: M8 BISHOPTON INTERCHANGE ON RAMP			
Drawing Title: HORIZONTAL LAYOUT SHEET 2 OF 2			
Scale:	21.08.06	Sheet:	AA1
Scale:	1:500	Rev:	06614/100/102
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BVA			