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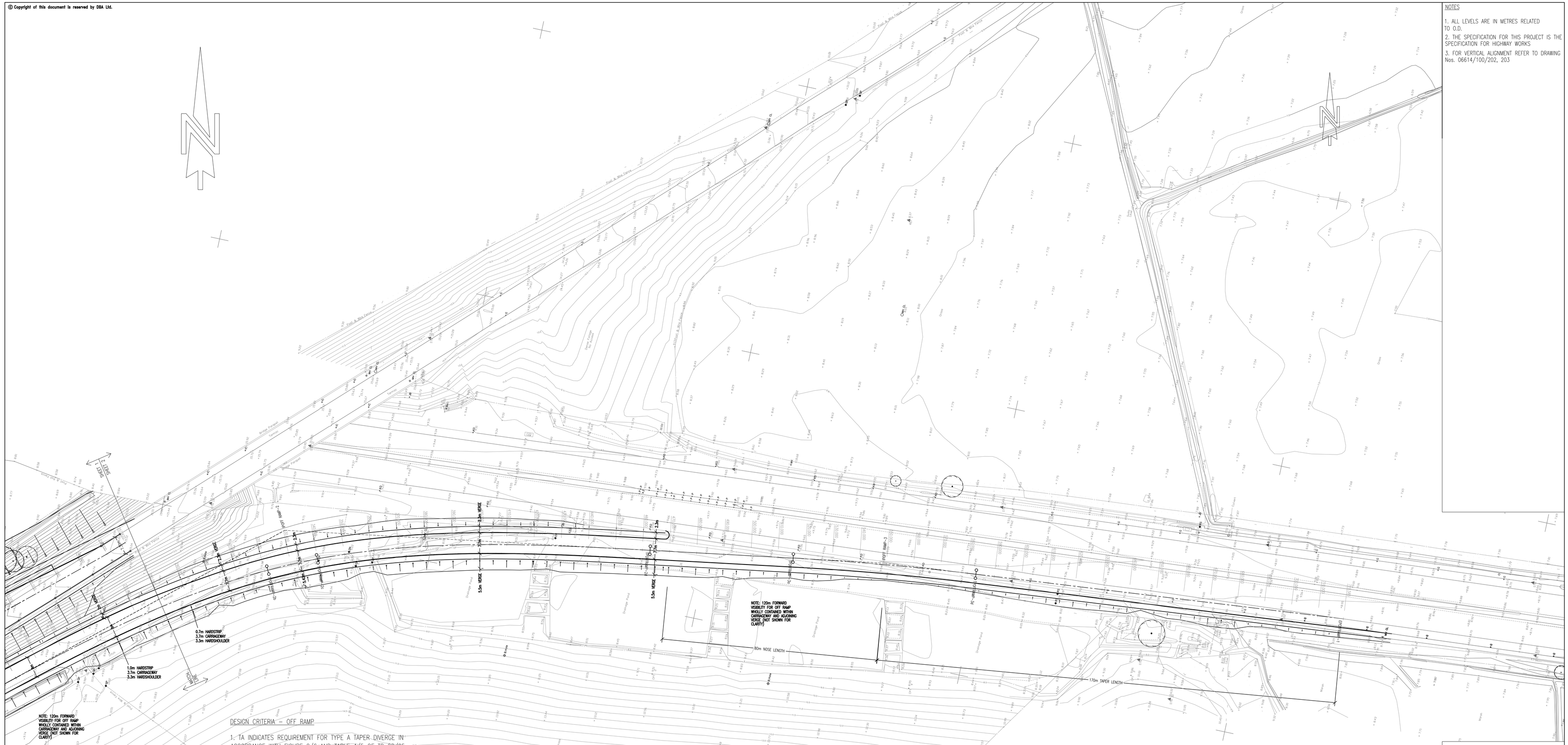

NOTES

1. ALL LEVELS ARE IN METRES RELATED TO O.D.
2. THE SPECIFICATION FOR THIS PROJECT IS THE SPECIFICATION FOR HIGHWAY WORKS
3. FOR VERTICAL ALIGNMENT REFER TO DRAWING Nos. 06614/100/202, 203

DESIGN CRITERIA – OFF RAMP

1. TA INDICATES REQUIREMENT FOR TYPE A TAPER DIVERGE IN ACCORDANCE WITH FIGURE 2/6 AND TABLE 4/5 OF TD 22/05

2. DESIGN CRITERIA THEREFORE FOR RURAL MOTORWAY STANDARD IS
EXIT TAPER LENGTH (1) = 170m
NOSE LENGTH (4) = 80m
TAPER FOR MIN ANGLE AT NOSE (3) = 1:15

3. TABLE 3/1 B, CONNECTOR ROAD FLOW <900 THEREFORE CROSS SECTION TYPE DG1A

4. LENGTH 0.75km THEREFORE DESIGN AS SLIP ROAD

5. TABLE 4/2 FOR SLIP ROAD DESIGNATION MERGING WITH RURAL MOTORWAY DESIGN SPEED = 70kph

6. FOR DESIGN SPEED OF 70kph THE FOLLOWING DESIRABLE MINIMUM CRITERIA APPLY
STOPPING SIGHT DISTANCE = 120m
ONE STEP BELOW DESIRABLE MINIMUM RADIUS WITH SUPERELEVATION OF 7% = 255m
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)
HARDSHOULDER WIDTH = 3.3m
CARRIAGEWAY WIDTH = 3.7m
HARDSTRIP WIDTH = 0.7m (INCREASED TO 1.0m WHERE DRAINAGE GULLYS INSTALLED)
VERGE WIDTH = 2.3m (REDUCED TO 2.0m WHERE HARDSTRIP INCREASES TO 1.0m)
SLOPES TO SUIT GEOTECHNICAL REQUIREMENTS
BERM = 3.0m TO SUIT MAINTENANCE REQUIREMENTS

ALIGNMENT OFF RAMP

LOCATION	CHAINAGE	EASTING	NORTHING	RADIUS	BEARING	ANGLE	ARC LENGTH	TANL	TANT	LTLEN	TTLEN
SPOFFRAMP–1	0.000	244717.398	669618.471								
TPOFFRAMP–1a	0.342	244717.659	669618.158		203.96234						
IPOFFRAMP–1		244702.247	669583.481	59.865		64.74113	67.644	37.948	37.948	0.000	0.00
TPOFFRAMP–1d	67.986	244727.032	669554.745		139.22121						
TPOFFRAMP–2a	198.211	244812.087	669456.134		139.22121						
TPOFFRAMP–2b	321.168	244884.479	669357.139		153.03481						
IPOFFRAMP–2		244900.113	669354.078	255.000		31.82995	18.705	134.773	134.773	122.957	122.95
TPOFFRAMP–2c	339.873	244892.342	669340.171		157.23757						
TPOFFRAMP–2d	462.830	244921.078	669220.946		171.05116						
TPOFFRAMP–3a	515.613	244929.288	669168.805		171.05116						
IPOFFRAMP–3		244934.547	669135.407	1020.000		3.79696	67.595	33.810	33.810	0.000	0.00
TPOFFRAMP–3d	583.208	244937.583	669101.734		174.84812						
EPOFFRAMP–1	719.585	244949.830	668965.908		174.84812						

LTLEN	TTLEN

Rev.	Revision details	By / Date	Checked / Date

Client
REDROW HOMES (SCOTLAND) LTD

Project
M8 BISHOPTON INTERCHANGE
OFF RAMP

Drawing Title
HORIZONTAL LAYOUT
SHEET 2 OF 2

Drawn S.L.	Checked A.A.T
Date 21.08.06	Date 21.08.06
Scale 1:500	Drg. No. 06614/100/201

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DO NOT scale from this drawing