A6 Randalstown to Toome

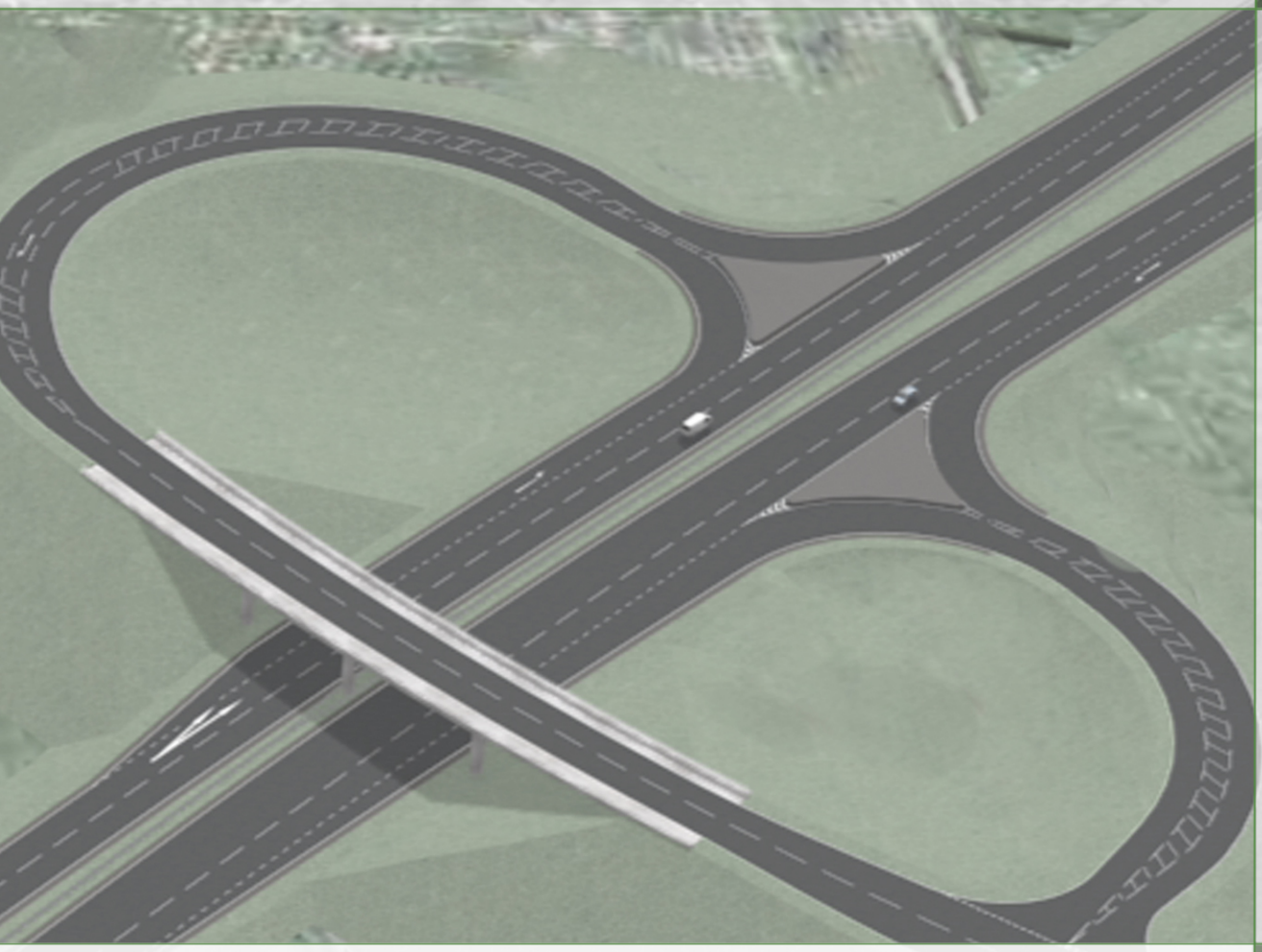
Environmental Statement

March 2007

Scott Wilson

incorporating

FERGUSON McILVEEN



North Western Key Transport Corridor: Randalstown to Toome

Environmental Statement: Volume 3

Drawings

Department for Regional Development, Roads Service

March 2007

Department for Regional Development

ROADS Service

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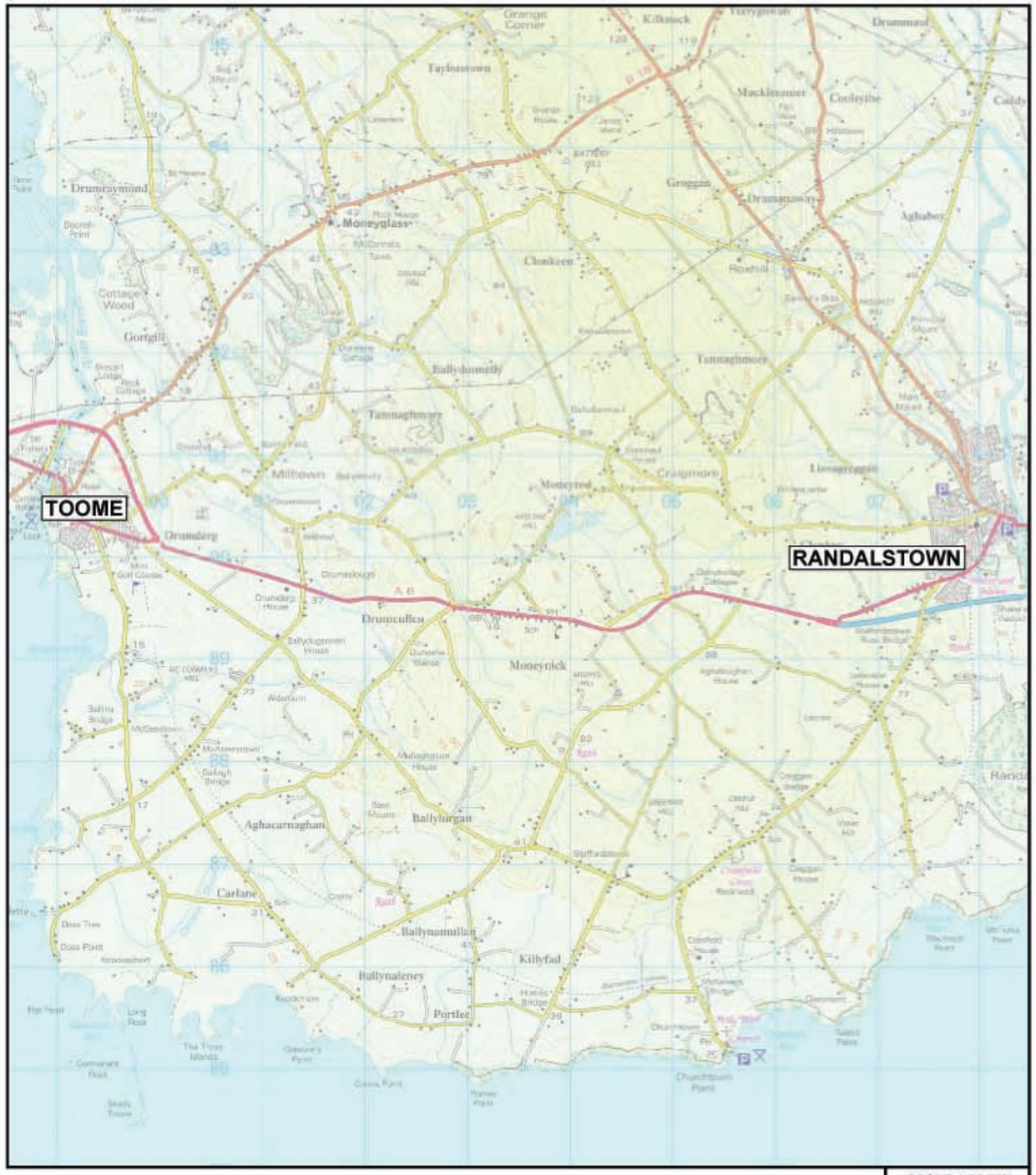

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Notes:

- AREA OF INTEREST

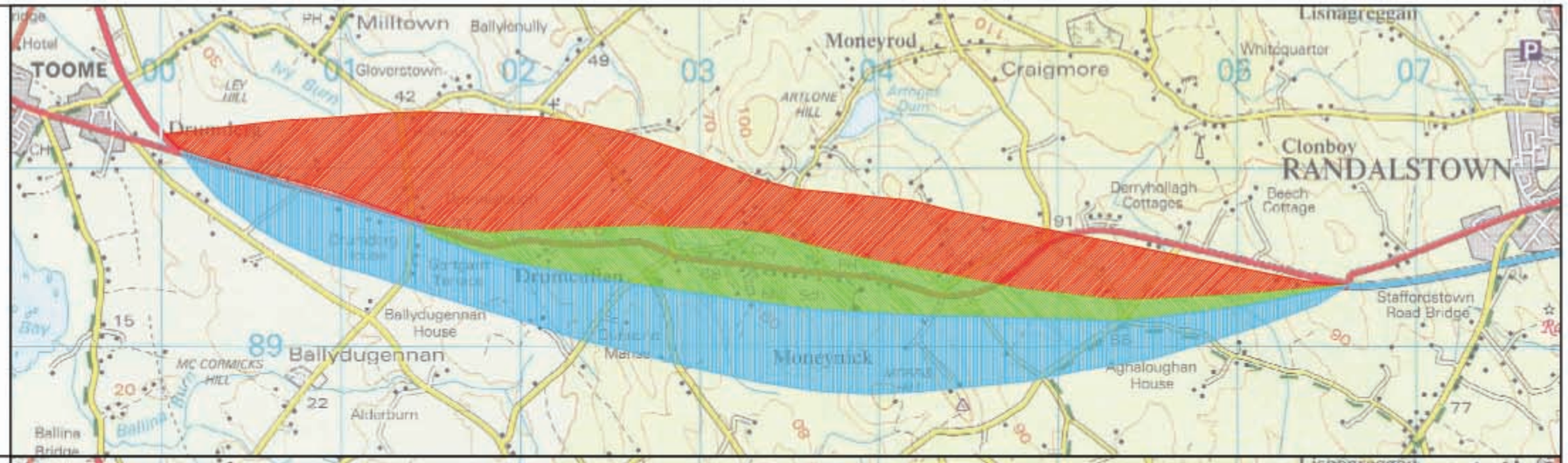
A6 RANDALSTOWN TO TOOME

INTRODUCTION
STUDY AREA

Figure 1.1.1

ROUTE CORRIDORS

- NORTHERN CORRIDOR
- ON-LINE CORRIDOR
- SOUTHERN CORRIDOR

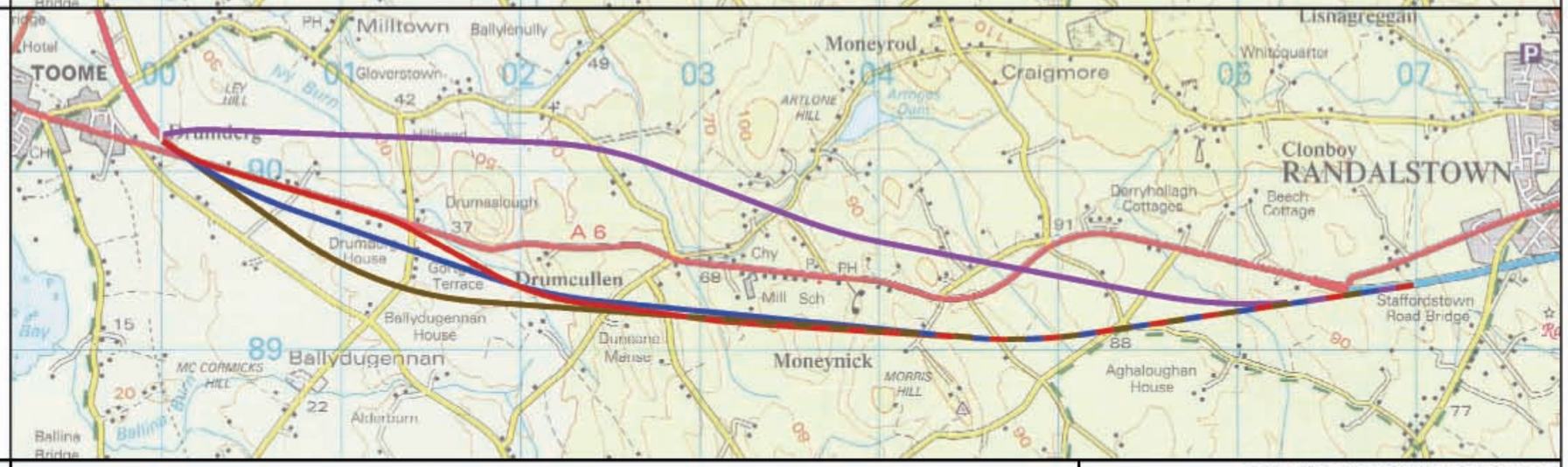


PRELIMINARY OPTIONS

- ROUTE OPTIONS

APPROVED ROUTE OPTIONS

- ROUTE OPTION 9 (PURPLE)
- ROUTE OPTION 6 (RED)
- ROUTE OPTION 7 (BLUE)
- ROUTE OPTION 8 (BROWN)



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SCALE 1:30,000

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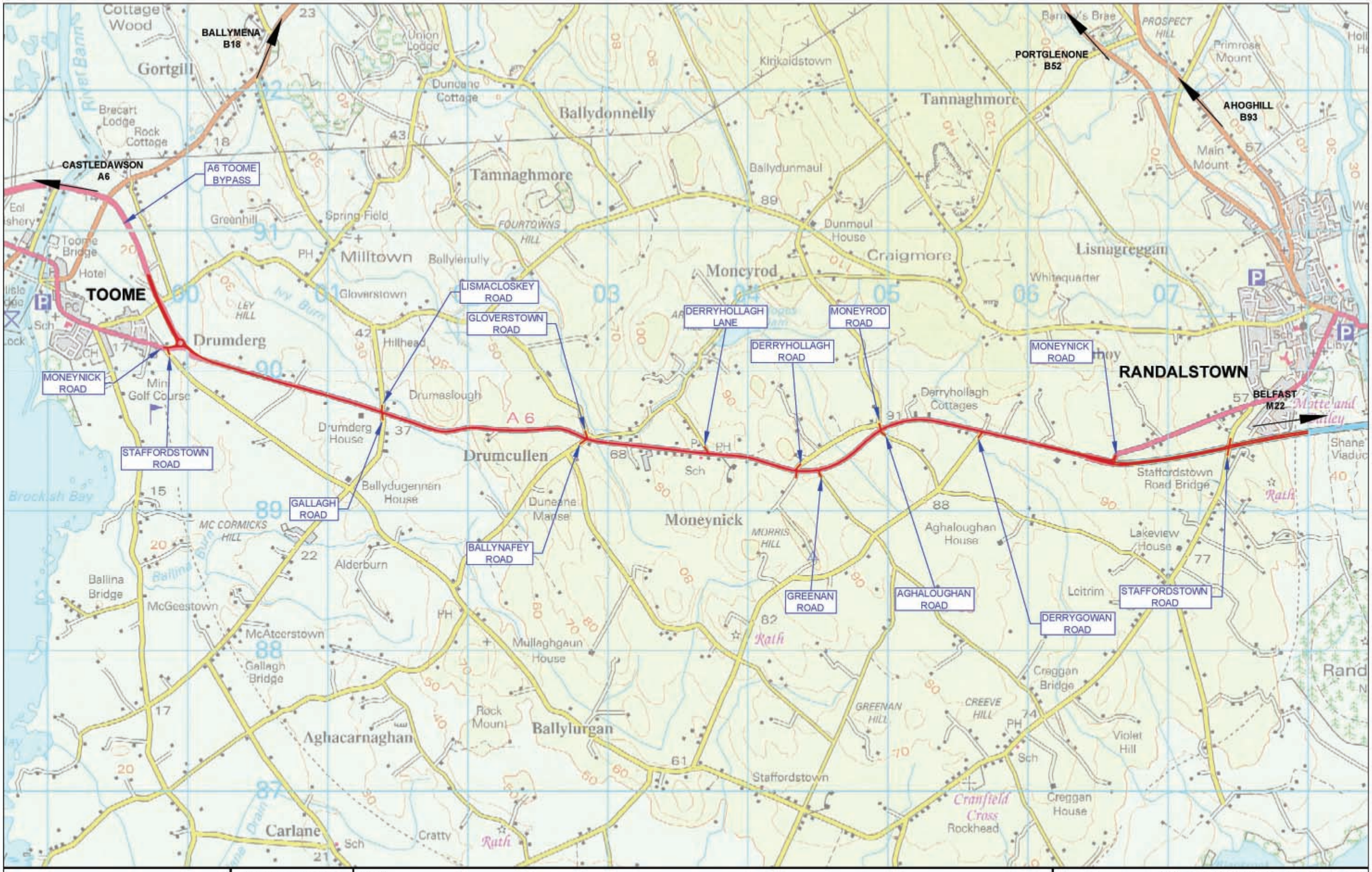
ROUTE SELECTION
DEVELOPMENT OF PRELIMINARY TO APPROVED ROUTE OPTIONS
Figure 1.3.1



FERGUSON McILVEEN / Scott Wilson	Reproduced from the 1:50,000 map (sheet 14) by permission of the Ordnance Survey of Northern Ireland on behalf of the Controller of Her Majesty's Stationary Office. Licence No. 89 Ferguson McIlveen Beechill House Beechill Road Belfast BT8 7RP	Notes:	**A6 RANDALSTOWN TO TOOME** **EXISTING CONDITIONS EXISTING A6 AND SIDE ROADS** **Scale 1:25,000** **Figure 1.4.1**

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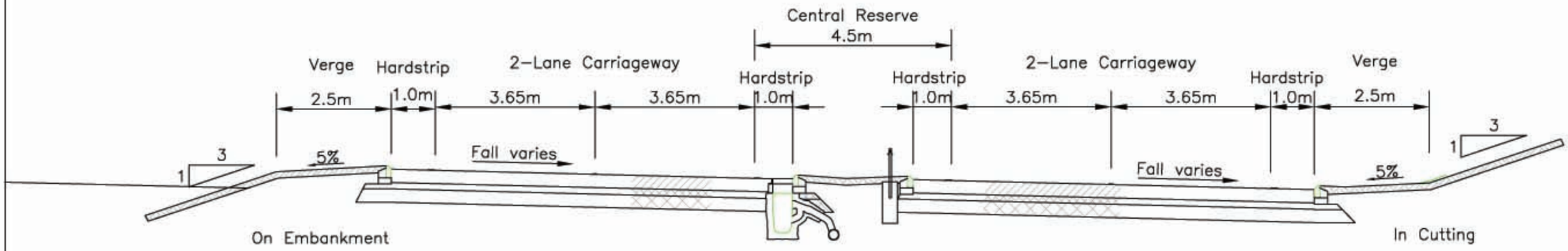
Notes:

Scale 1:25,000

A6 RANDALSTOWN TO TOOME

SCHEME DESCRIPTION
SCHEME LAYOUT

Figure 1.5.1



Note:–
Verge drainage detail
to suit conditions.

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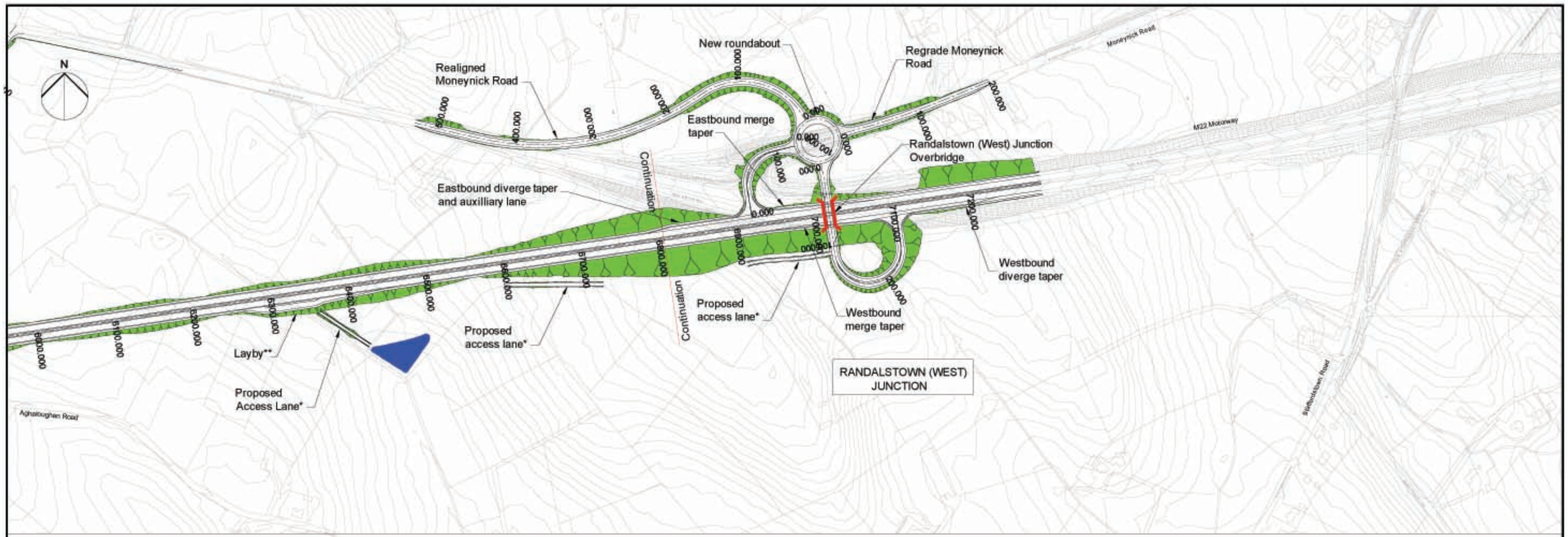
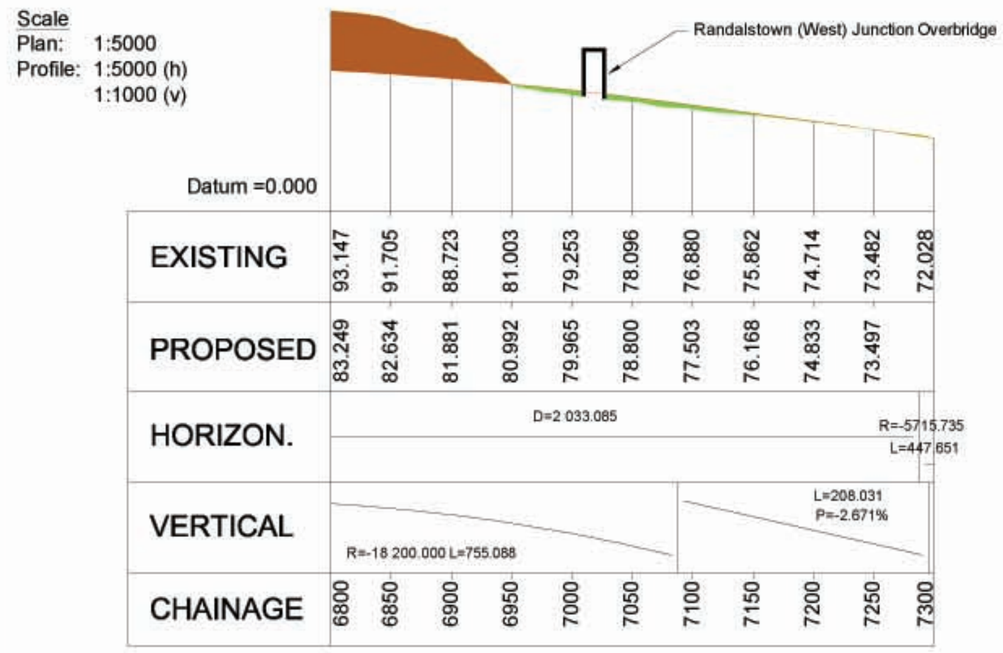
Notes:

A6 RANDALSTOWN TO TOOME

SCHEME DESCRIPTION
TYPICAL ROAD CROSS SECTION

Figure 1.5.2





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Notes:

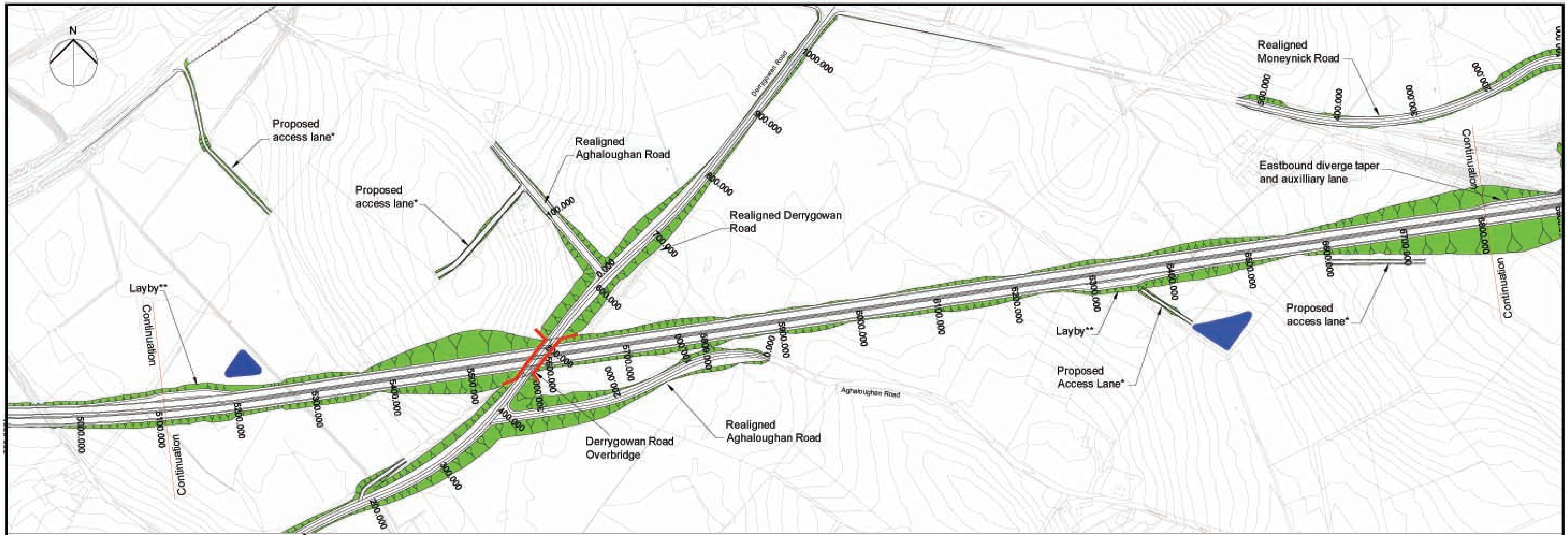
- 1 in 3 side slopes.
- SUDS Detention basin (indicative location only).
- Proposed Bridge Structure.
- Turning Head required (location indicative only).
- * Alignment of access lanes shown as indicative only.
- ** Laybys (indicative location only).
- *** "Park and Share" facility (indicative location only).

A6 RANDALSTOWN TO TOOME

PROPOSED SCHEME LAYOUT PLAN AND PROFILE

SHEET 1 OF 5

Figure 1.5.3



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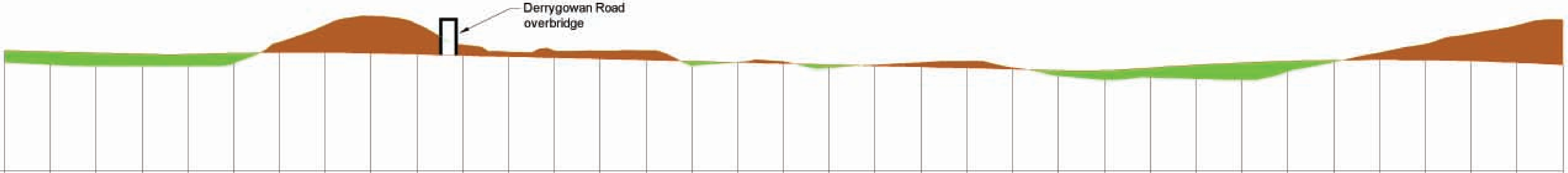
Profile: 1:5000 (h)
1:1000 (v)



Datum =0.000

CHAINAGE	EXISTING	PROPOSED
5100	83.807	86.366
5150	83.280	86.116
5200	83.000	85.866
5250	83.000	85.616
5300	83.000	85.540
5350	83.597	85.801
5400	88.270	85.931
5450	91.937	85.923
5500	93.914	85.779
5550	92.149	85.533
5600	87.609	85.283
5650	86.089	85.033
5700	86.373	84.783
5750	86.341	84.533
5800	86.442	84.283
5850	83.112	84.033
5900	83.837	83.783
5950	83.976	83.533
6000	82.607	83.283
6050	83.256	83.033
6100	83.783	82.783
6150	84.002	82.533
6200	82.605	82.283
6250	80.869	82.033
6300	80.000	82.011
6350	80.483	82.602
6400	80.188	83.223
6450	80.000	83.707
6500	81.764	84.054
6550	83.824	84.263
6600	85.930	84.335
6650	87.838	84.269
6700	90.045	84.066
6750	91.879	83.726
6800	93.147	83.249

HORIZON.: D=60.460; D=2 033.085

VERTICAL: P=-0.500% L=551.790; R=3700.000 L=42.104; R=-18 200.000 L=207.103; P=-0.500% L=745.663; R=3700.000 L=73.190; R=-18 200.000 L=755.088

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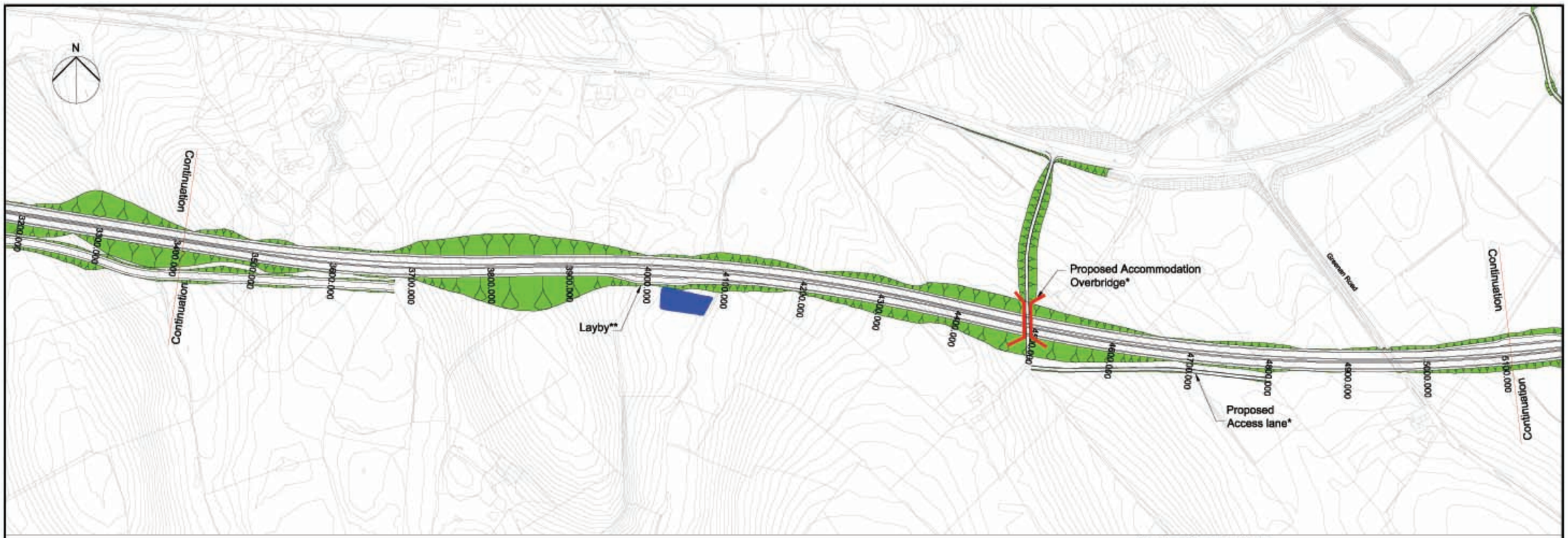
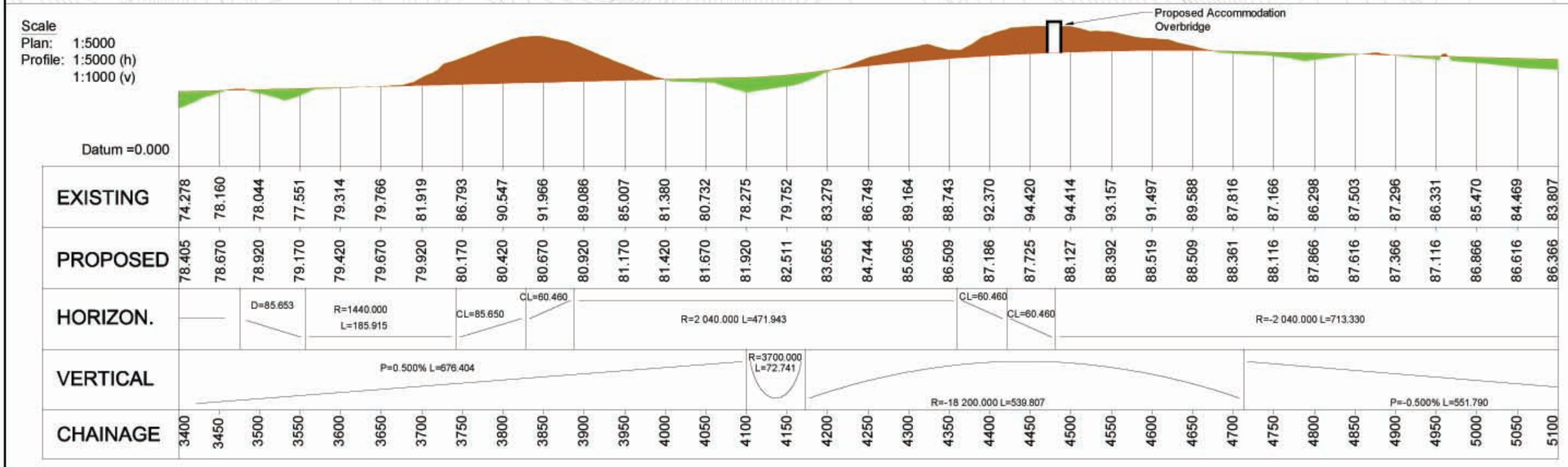
A6 RANDALSTOWN TO TOOME

PROPOSED SCHEME LAYOUT PLAN AND PROFILE

SHEET 2 OF 5

Figure 1.5.3





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1 in 3 side slopes.

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Turning Head required (location indicative only).

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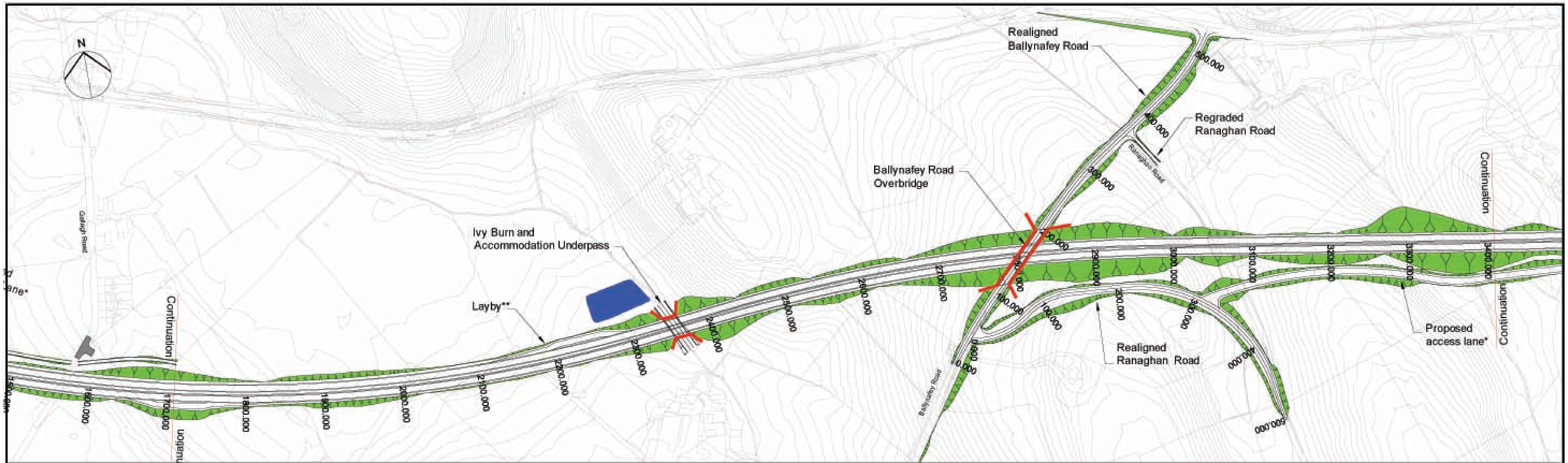
A6 RANDALSTOWN TO TOOME

PROPOSED SCHEME LAYOUT PLAN AND PROFILE

SHEET 3 OF 5

Figure 1.5.3



Scale
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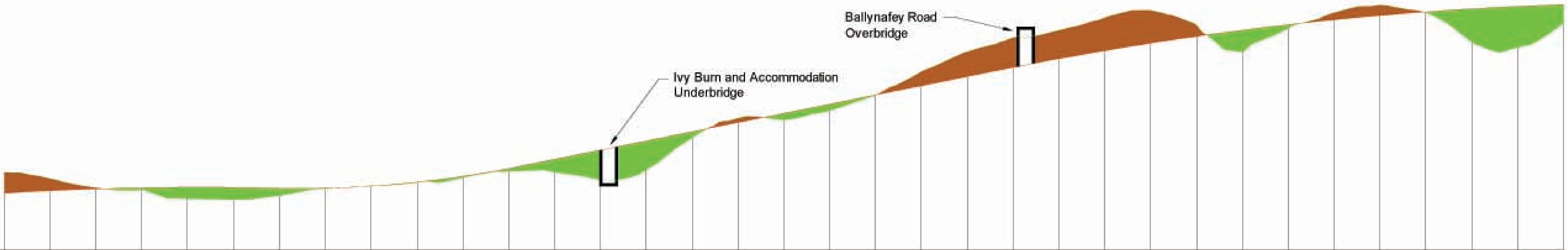
Profile: 1:5000 (h)
1:1000 (v)



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EXISTING	41.918	40.538	38.566	38.123	36.191	36.000	36.878	38.350	39.000	39.683	40.758	42.140	41.957	40.230	42.459	49.466	53.714	53.334
PROPOSED	37.393	37.914	38.297	38.543	38.651	38.622	38.458	38.486	38.930	39.790	41.068	42.762	44.750	46.750	48.750	50.750	52.750	54.750
CHAINAGE	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550

EXISTING	55.340	58.723	63.773	68.151	71.210	72.818	75.563	77.176	73.974	68.117	73.287	76.628	78.315	76.700	70.343	69.064	74.278
PROPOSED	56.750	58.750	60.750	62.750	64.745	66.639	68.396	70.015	71.496	72.841	74.048	75.117	76.050	76.845	77.502	78.022	78.405
CHAINAGE	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400

HORIZON.: R=-1 800.000 L=1 125.081 | CL=68.552 | CL=60.461 | R=2 040.000 L=516.759 | CL=60.461 | D=463.735

VERTICAL: R=-18 200.000 L=673.970 | R=6 000.000 L=266.593 | P=4.000% L=524.637 | R=-18 200.000 L=637.000

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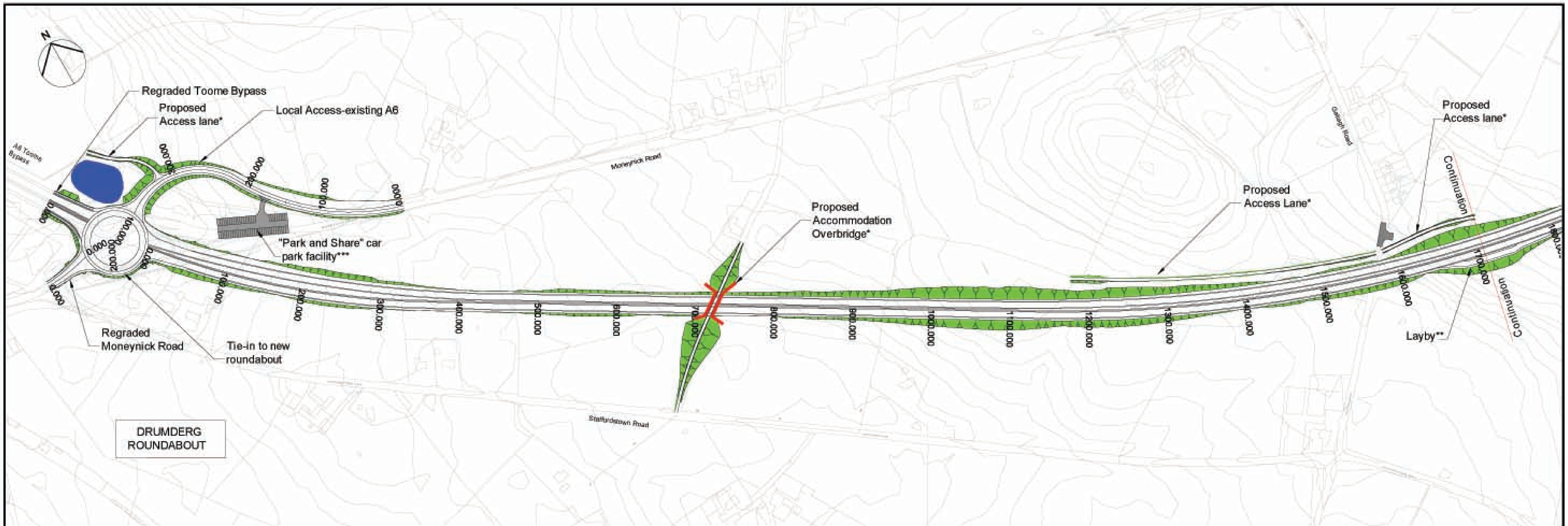
A6 RANDALSTOWN TO TOOME

PROPOSED SCHEME LAYOUT PLAN AND PROFILE

SHEET 4 OF 5 **Figure 1.5.3**



Scale
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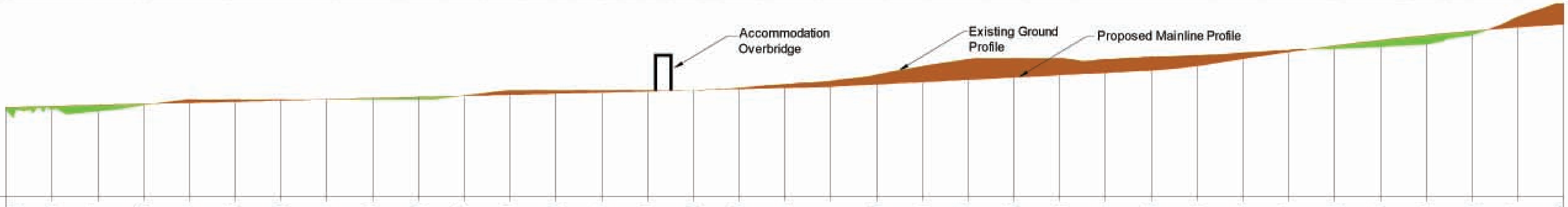
Profile: 1:5000 (h)
1:1000 (v)



CHAINAGE	EXISTING	PROPOSED
0	18.772	19.305
50	18.836	19.555
100	18.457	19.805
150	19.776	20.055
200	21.000	20.305
250	21.000	20.555
300	21.000	20.805
350	21.000	21.055
400	21.000	21.305
450	21.000	21.555
500	21.877	21.805
550	23.000	22.055
600	23.000	22.305
650	23.000	22.555
700	23.000	22.805
750	23.000	23.055
800	23.566	23.305
850	24.364	23.555
900	25.081	23.832
950	26.435	24.330
1000	28.289	24.830
1050	29.787	25.330
1100	30.000	25.830
1150	30.000	26.330
1200	29.766	26.830
1250	30.288	27.351
1300	30.693	28.357
1350	31.234	29.904
1400	31.827	31.386
1450	32.012	32.730
1500	32.509	33.938
1550	33.022	35.008
1600	35.076	35.940
1650	39.097	36.735
1700	41.918	37.393

HORIZON.: R=-1 020.000 L=298.933 | CL=120.920 | D=687.104 | CL=68.552 | R=-1 800.000 L=1 125.081

VERTICAL: P=0.500% L=885.805 | R=3700.000 L=18.500 | P=1.000% L=333.233 | R=3700.000 L=83.617 | R=-18 200.000 L=673.970

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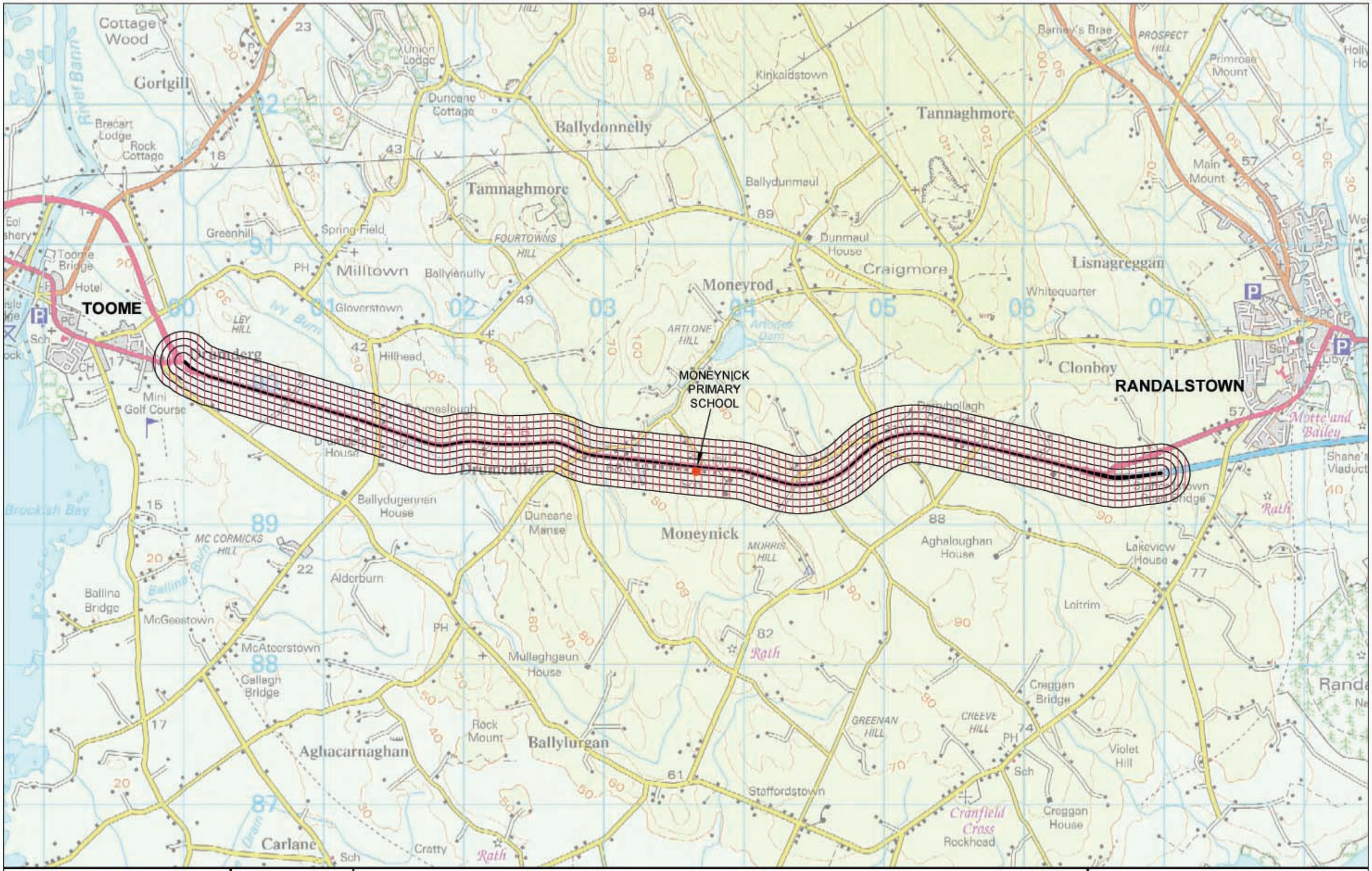
A6 RANDALSTOWN TO TOOME

PROPOSED SCHEME LAYOUT PLAN AND PROFILE

SHEET 5 OF 5

Figure 1.5.3



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Notes:

150 - 200m
100 - 150m
50 - 100m
0 - 50m
0 - 50m
50 - 100m
100 - 150m
150 - 200m

AIR QUALITY BANDING (400m WIDE ZONE)

SENSITIVE LOCATION

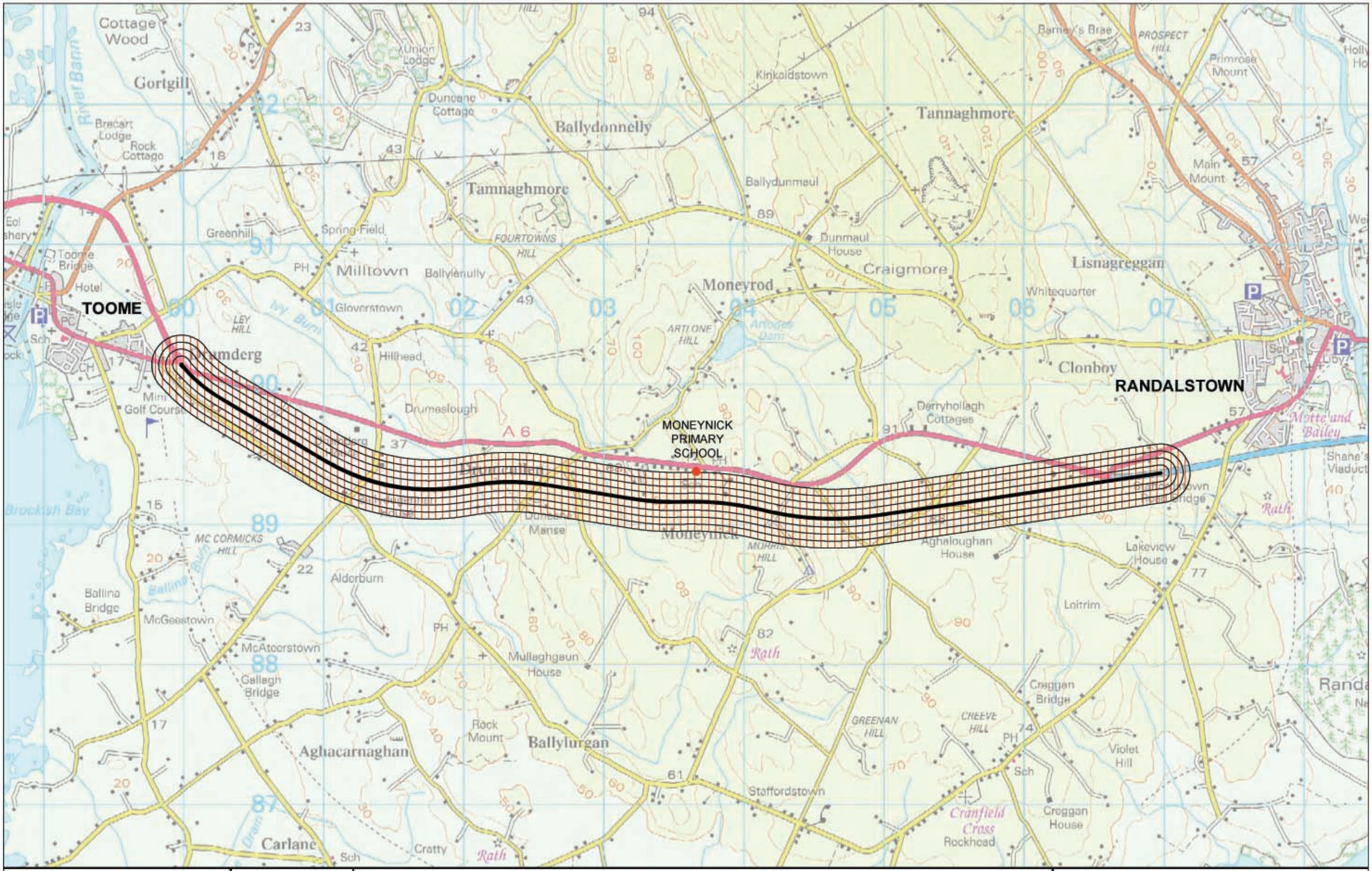
EXISTING ALIGNMENT

Scale 1:25,000

A6 RANDALSTOWN TO TOOME

AIR QUALITY BANDING FOR EXISTING ROUTE

Figure 2.1.1



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Notes:

150 - 200m
100 - 150m
50 - 100m
0 - 50m
0 - 50m
50 - 100m
100 - 150m
150 - 200m

AIR QUALITY BANDING (400m WIDE ZONE)

SENSITIVE LOCATION

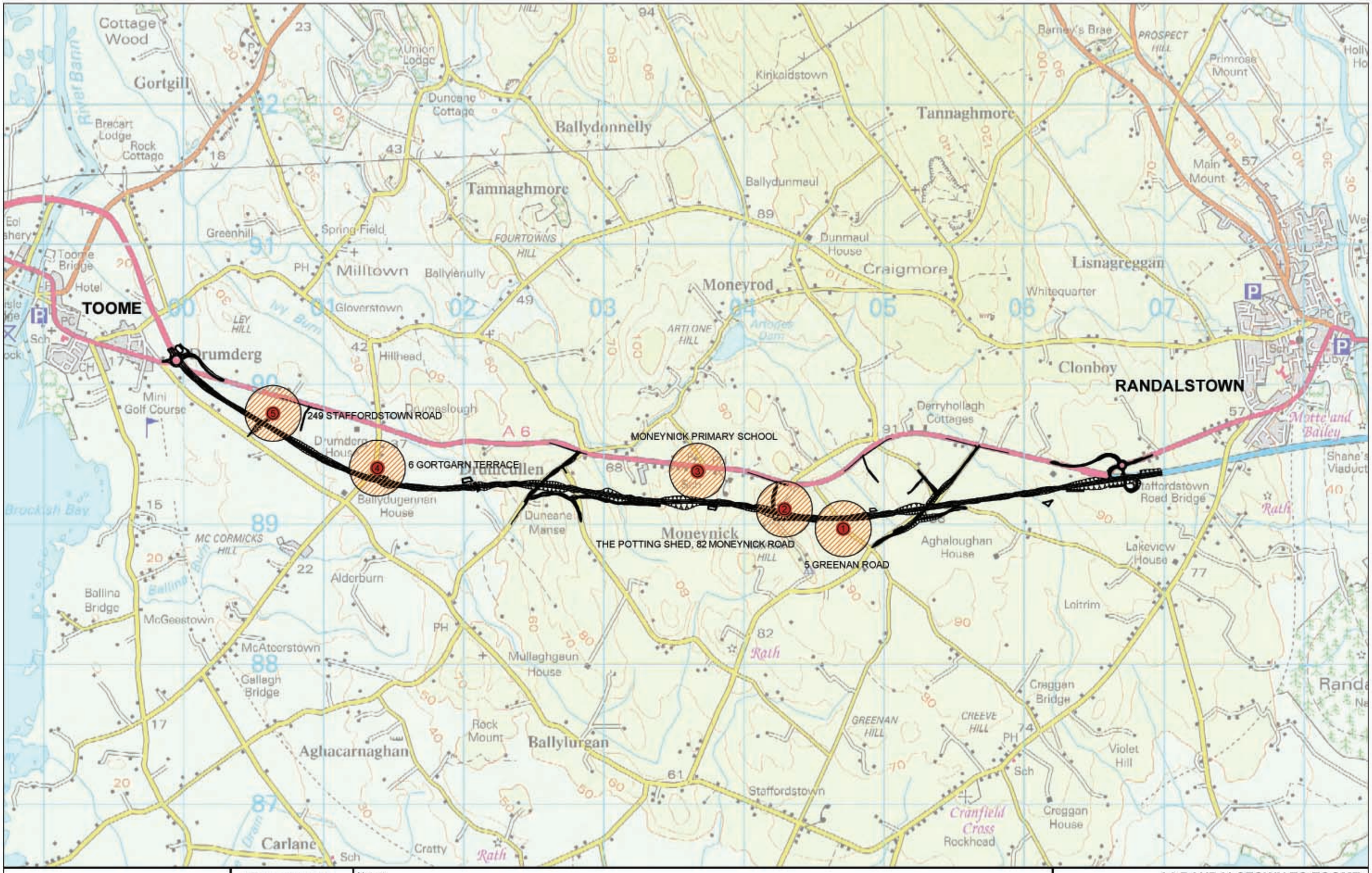
PROPOSED ALIGNMENT

Scale 1:25,000

A6 RANDALSTOWN TO TOOME

AIR QUALITY BANDING FOR PROPOSED ALIGNMENT

Figure 2.1.2



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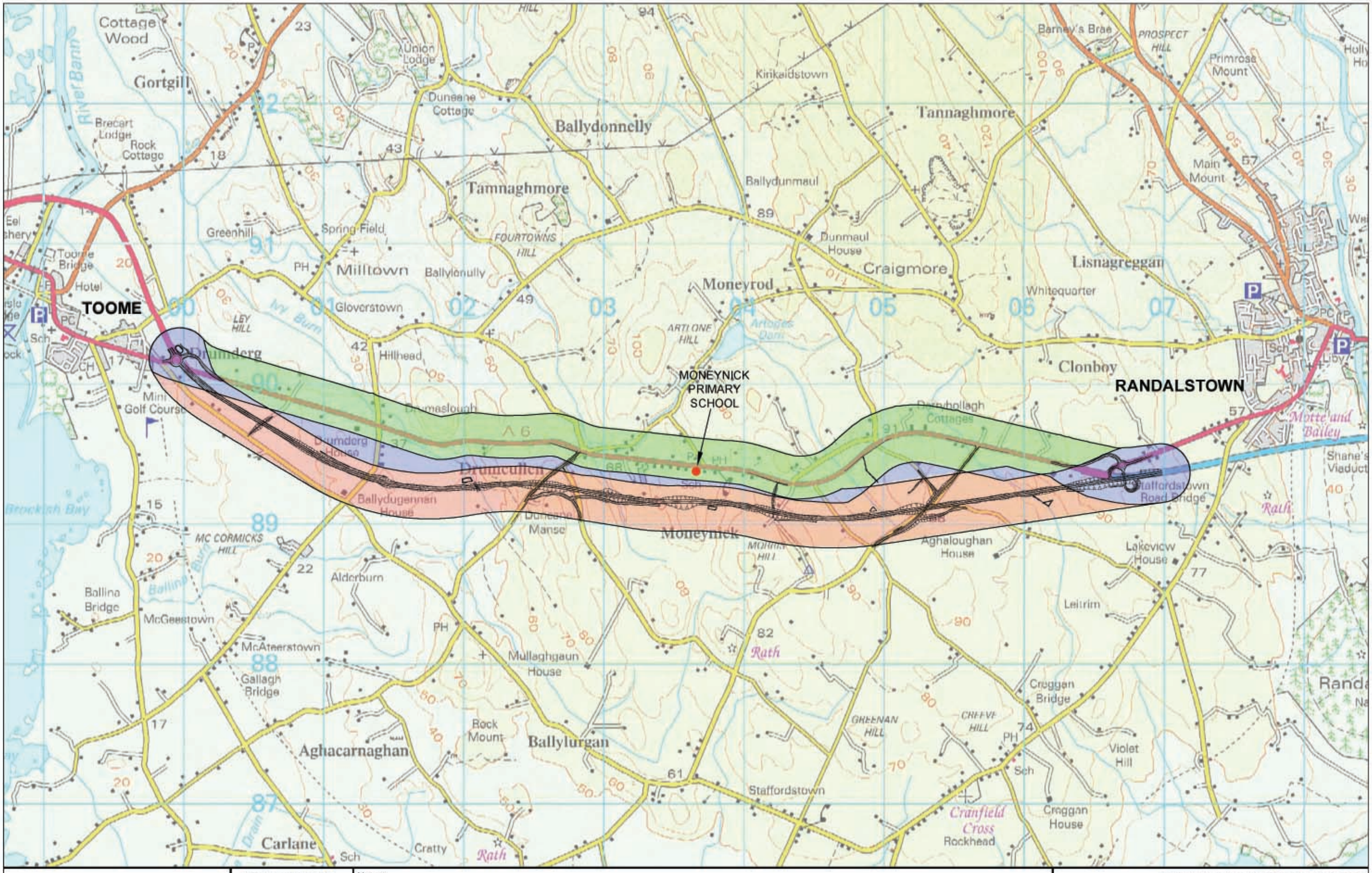
Ferguson McIlveen
Beetbill House
Beetbill Road
Belfast
BT8 7RP



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Beedhill House
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Belfast
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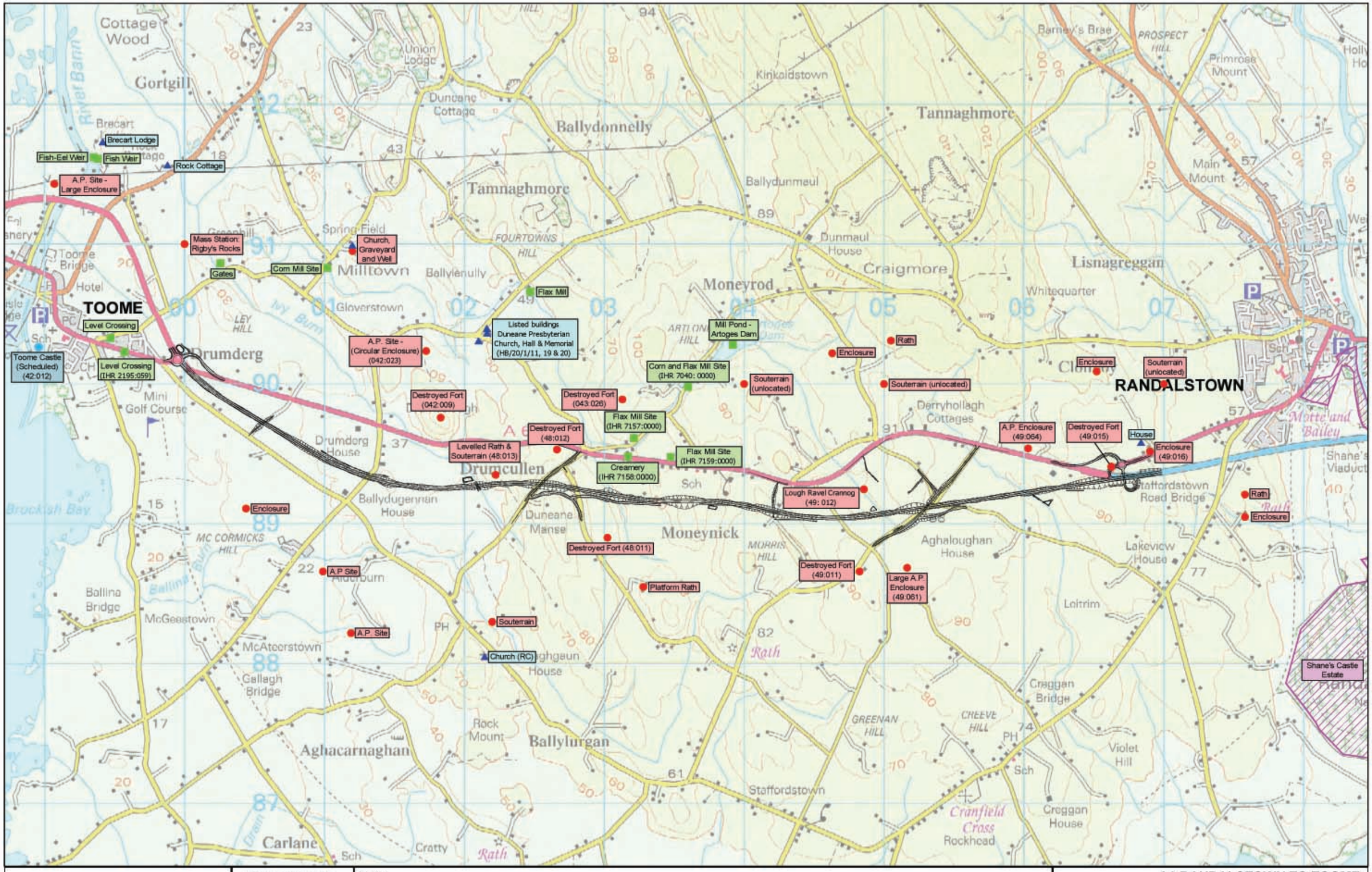
Notes:

- SENSITIVE LOCATION
- SLIGHT DETERIORATION
- NO SIGNIFICANT CHANGE
- SLIGHT IMPROVEMENT

Scale 1:25,000

A6 RANDALSTOWN TO TOOME

AIR QUALITY
FORECASTED CHANGES IN LOCAL AIR QUALITY
Figure 2.1.4



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Notes:

- Archaeological Heritage Site
- Archaeological Heritage Site (Scheduled)
- Listed building / Structure
- Industrial Heritage site
- Demesne (Shane's Castle Estate)

Scale 1:25,000

A6 RANDALSTOWN TO TOOME

CULTURAL HERITAGE
CULTURAL HERITAGE SITES

Figure 2.2.1

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Belfast
BT12 6RP

Notes:

A6 RANDALSTOWN TO TOOME

CULTURAL HERITAGE
MODERN FIELD BOUNDARIES

Scale 1:10,000

SHEET 1 OF 2

Figure 2.2.2

FERGUSON McILVEEN

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Beechill Road
Belfast
BT8 7RP

Notes:

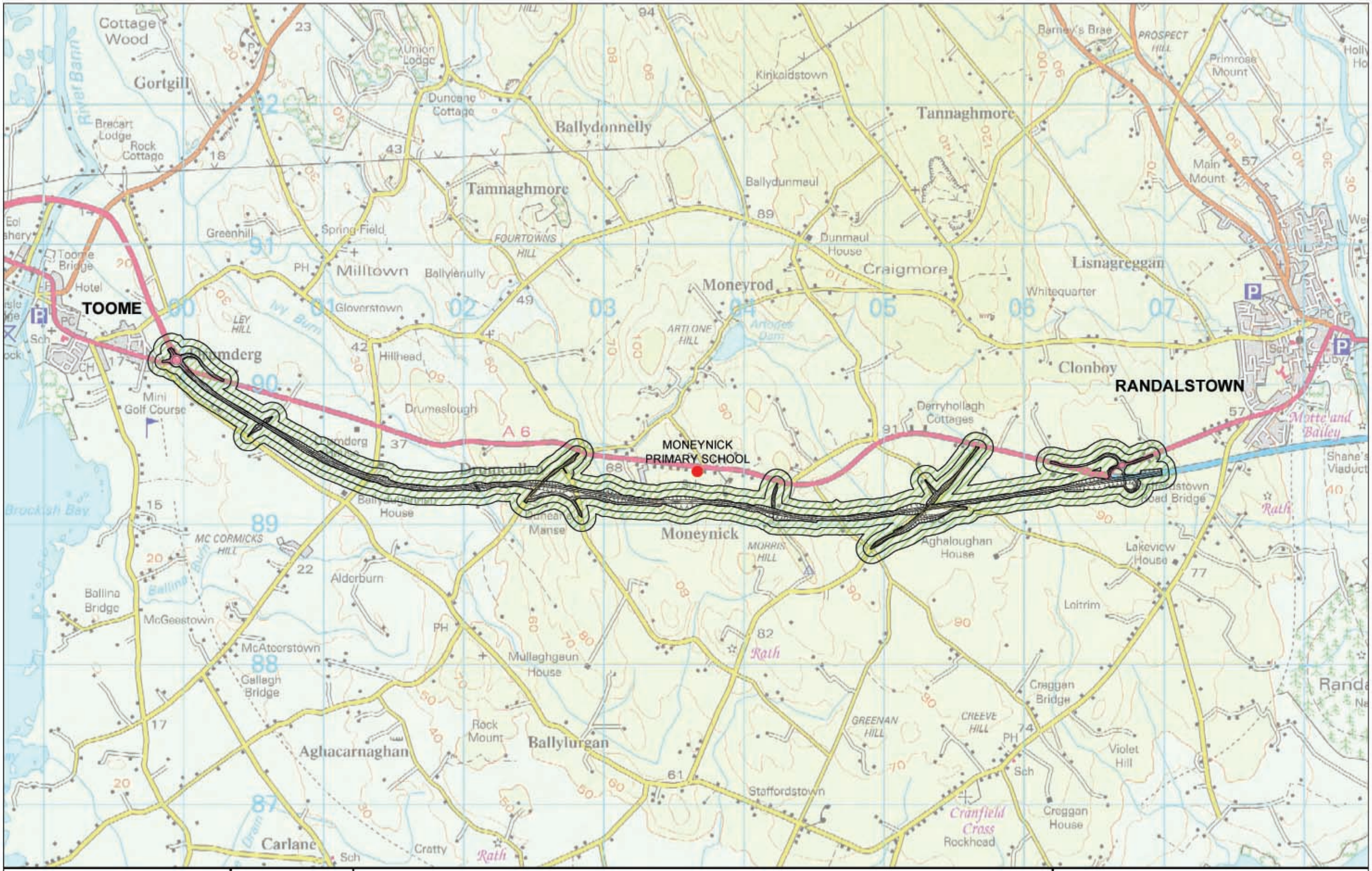
A6 RANDALSTOWN TO TOOME

CULTURAL HERITAGE
MODERN FIELD BOUNDARIES

Scale 1:10,000

SHEET 2 OF 2

Figure 2.2.2



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Notes:

50 - 100m
0 - 50m
0 - 50m
50 - 100m

DISRUPTION BANDING (200m WIDE ZONE)

SENSITIVE LOCATION

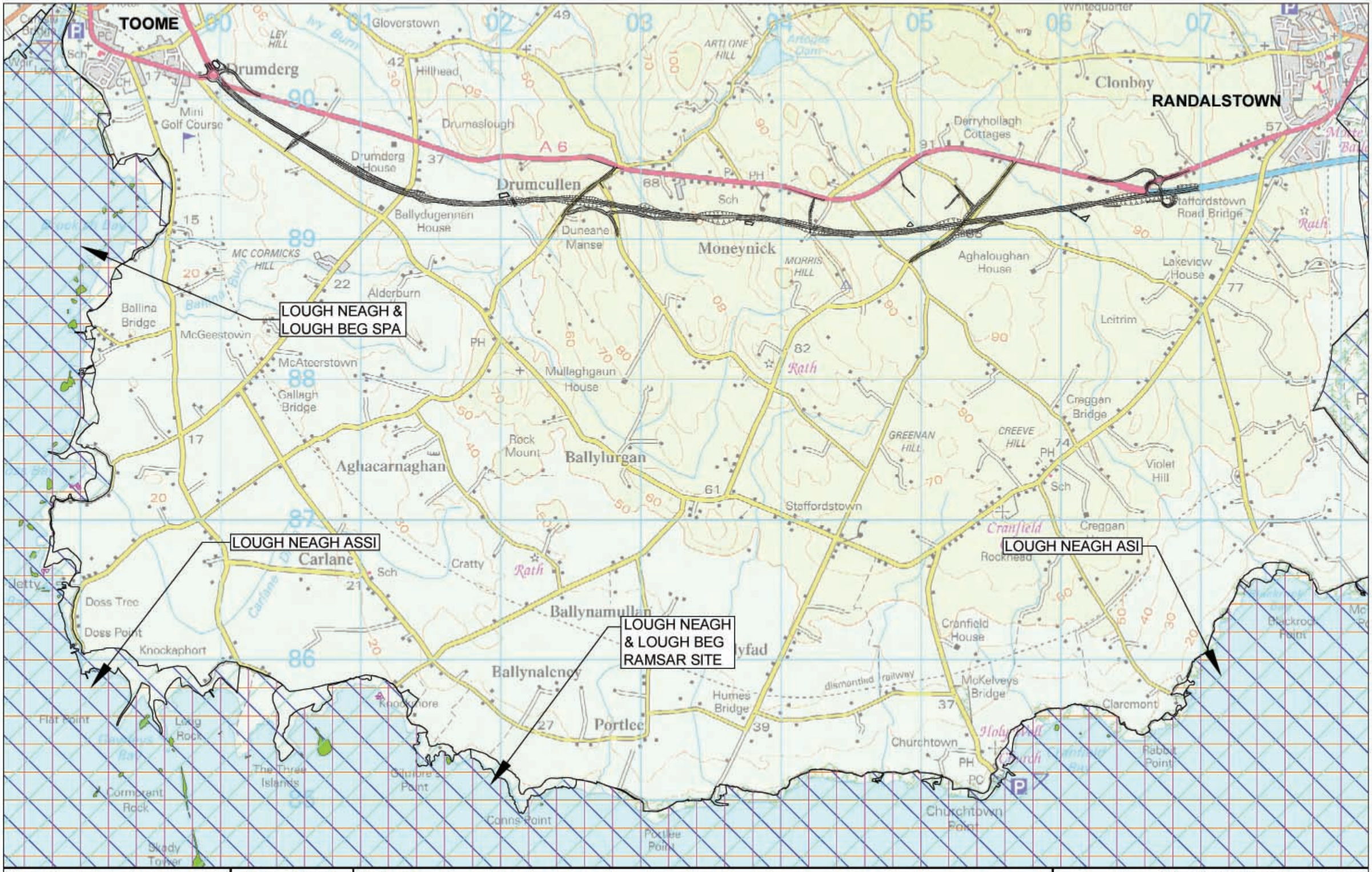
PROPOSED ALIGNMENT

Scale 1:25,000

A6 RANDALSTOWN TO TOOME

DISRUPTION DUE TO CONSTRUCTION
DISRUPTION BANDING

Figure 2.3.1



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Belfast
BT8 7RP

Notes:

- RAMSAR SITE
- AREA OF SCIENTIFIC INTEREST (ASI)
- SPECIAL PROTECTION AREA (SPA)
- AREA OF SPECIAL SCIENTIFIC INTEREST (ASSI)
- LOUGH NEAGH ISLANDS NATURE RESERVE (PART OF LOUGH NEAGH NATIONAL NATURE RESERVE)

Scale 1:25,000

A6 RANDALSTOWN TO TOOME

ECOLOGY AND NATURE CONSERVATION DESIGNATED ECOLOGICAL SITES

Figure 2.4.1