TEN-T Priority Route Improvement Project, Donegal

Option Selection Report
Volume E2 – Section 2 Drawings

Comhairle Contae Dhún na nGall
Donegal County Council

Donegal NRO
Oifig Boichte Naisiunta Dhun na nGall

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Project Title:	TEN-T Priority Route Improvement Project, Donegal
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Volume E2 – Section 2 Drawings

Section 2 – N56/N13 Letterkenny to Manorcunningham Stage 1 Options (10 Sheets)

Section 2 Stage 2 Options (01 Sheet)

Figure 2A Sheets 1 to 5 – Plan and Profile Drawings for Option 2A

Figure 2B Sheets 1 to 5 – Plan and Profile Drawings for Option 2B

Figure 2C Sheets 1 to 5 – Plan and Profile Drawings for Option 2C

Figure 2D Sheets 1 to 5 – Plan and Profile Drawings for Option 2D

Figure 2E Sheets 1 to 5 – Plan and Profile Drawings for Option 2E

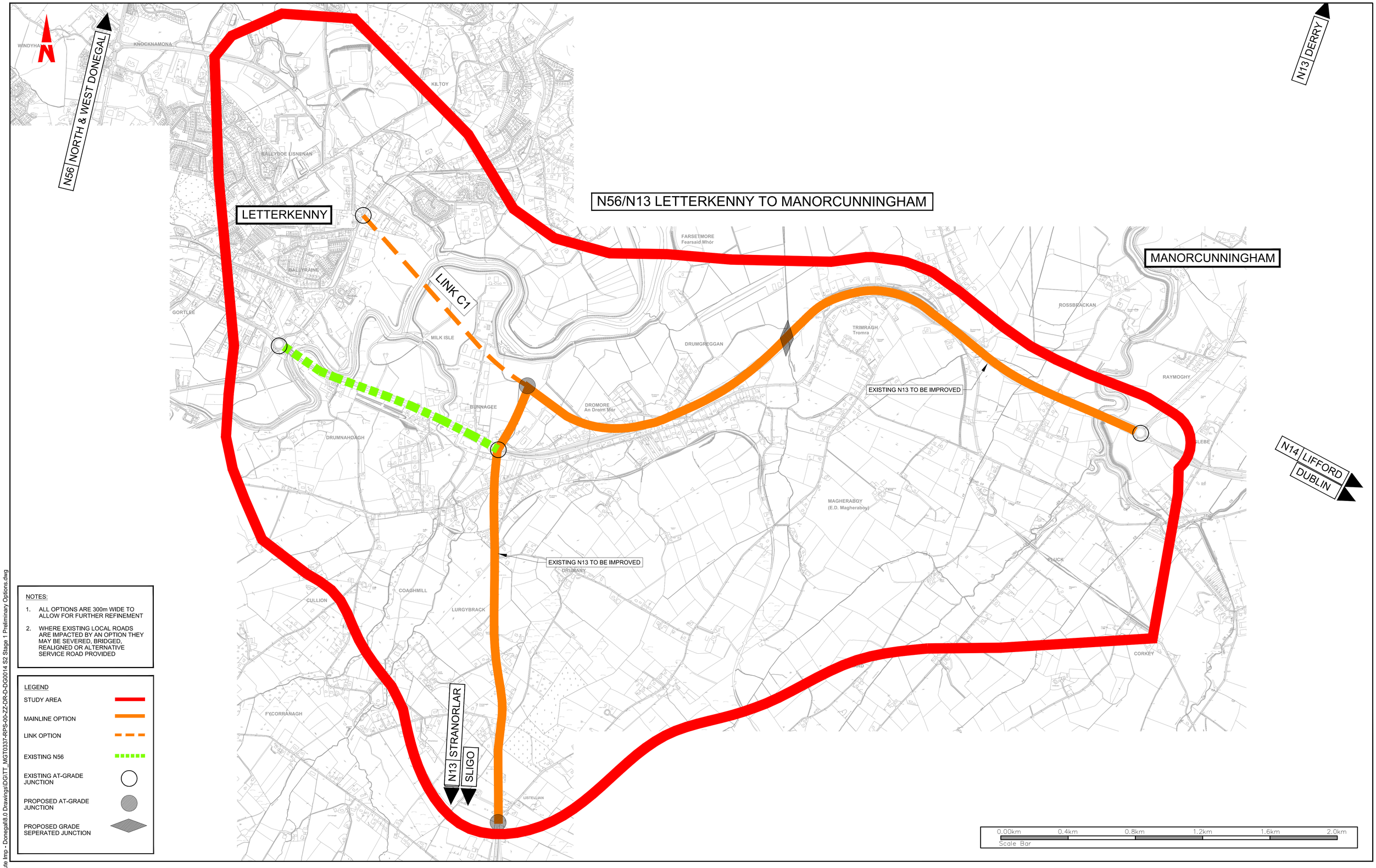
Figure 2F1 Sheets 1 to 5 – Plan and Profile Drawings for Option 2F1

Figure 2F2 Sheets 1 to 5 – Plan and Profile Drawings for Option 2F2

Section 2 Preferred Option Key Plan (01 Sheet)

Section 2 Preferred Option (2D) Plan and Profile (05 Sheets)

Preferred Option Corridor – Project Wide Drawing



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- LINK OPTION
- EXISTING N56
- EXISTING AT-GRADE JUNCTION
- PROPOSED AT-GRADE JUNCTION
- PROPOSED GRADE SEPERATED JUNCTION

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	24.10.19	SS	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: Section 2-N56/N13 Letterkenny to Manorcunningham Stage 1 Option 2.1 (Orange)

Status: S4

Designed: R. Kenny	Date: APR. 2018	Model File Identifier:	Rev:
Drawn: S. Sinha	Scale @ A1: 1:10 000		
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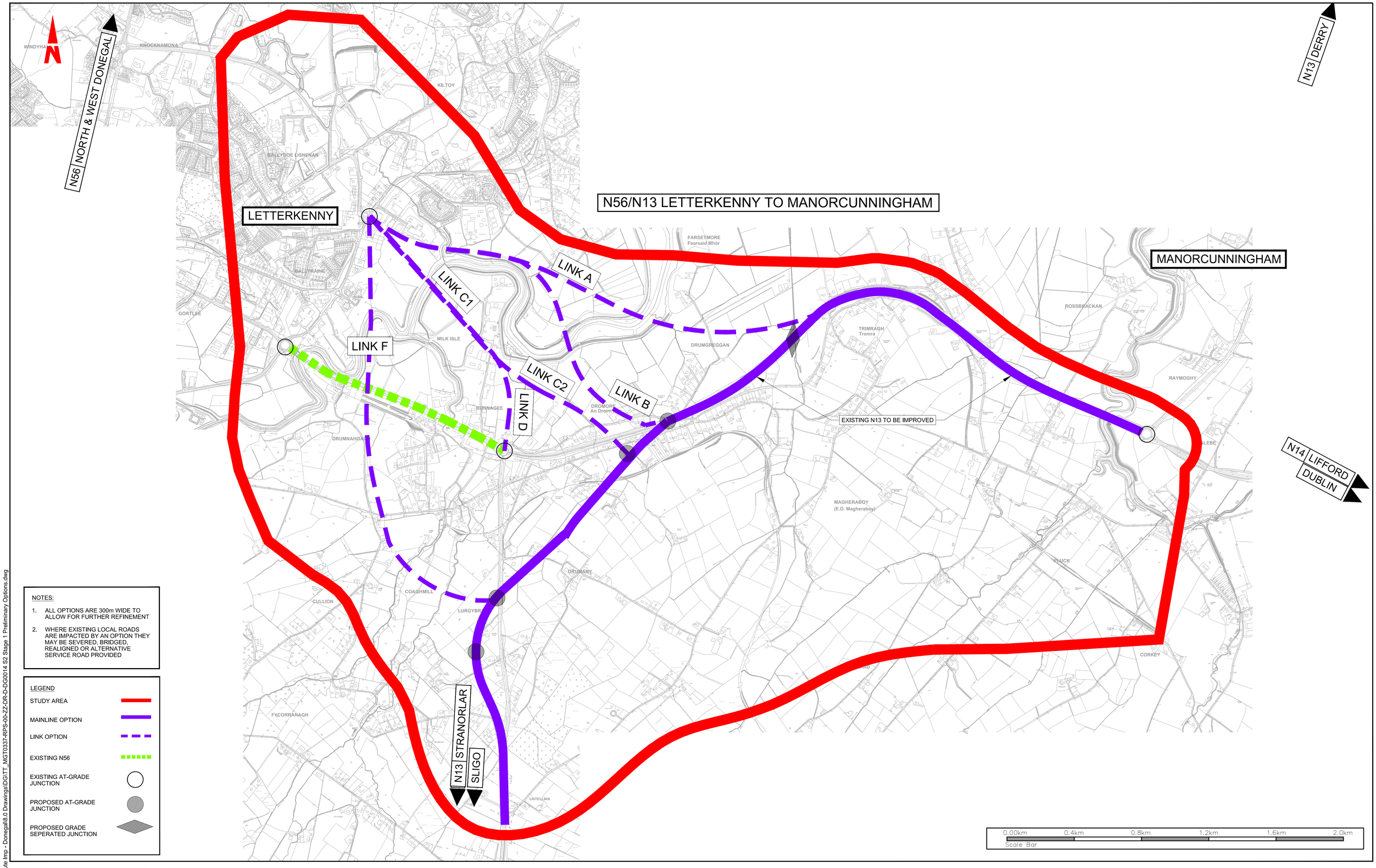
N56/N13 LETTERKENNY TO MANORCUNNINGHAM



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P01	24.10.19	SS	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: SECTION 2-N56/N13 Letterkenny to Manorcunningham Stage 1 Options 2.2 - 2.7 (Purple)

Status: S4

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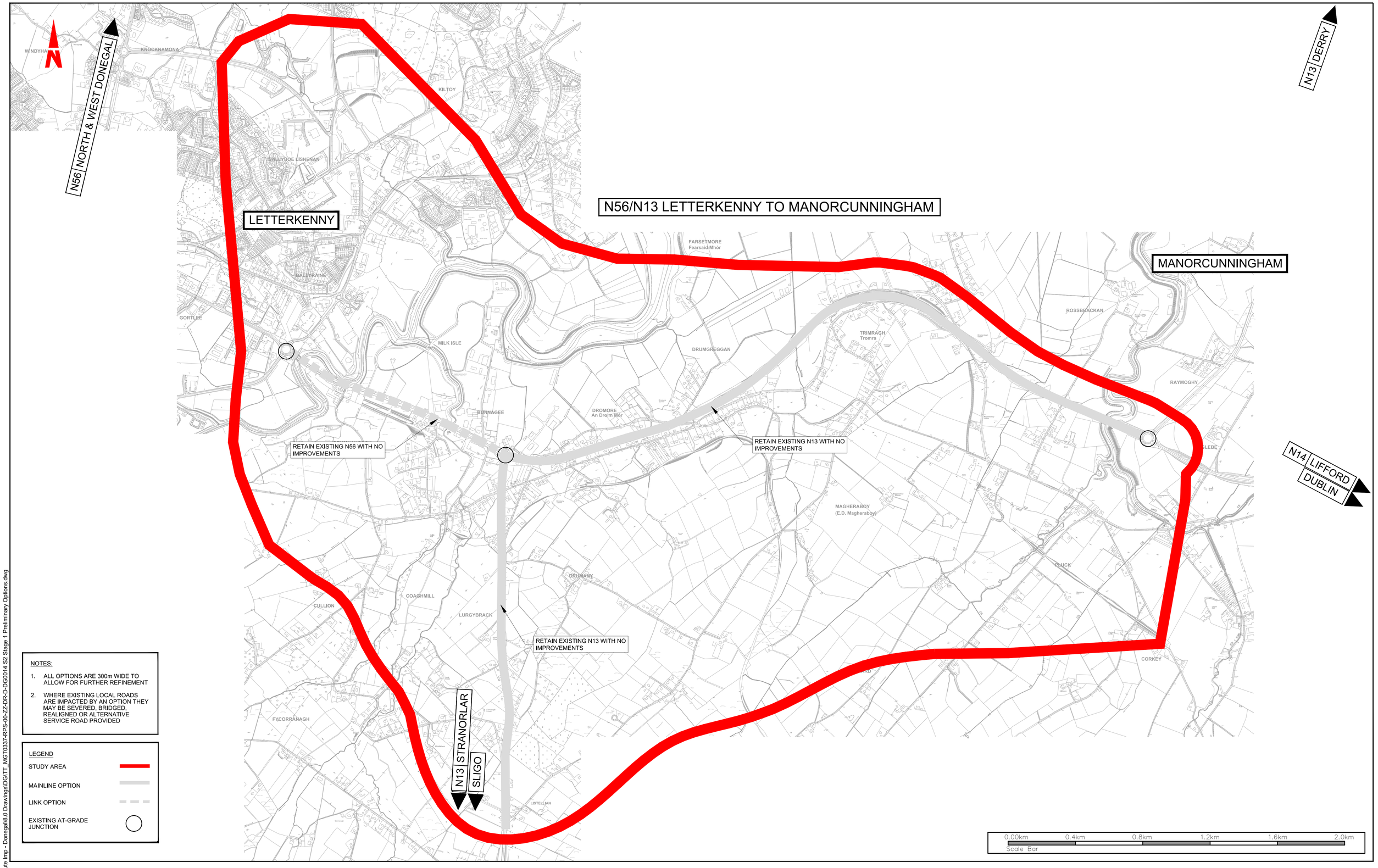

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Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: SECTION 2-N56/N13 Letterkenny to Manorcunningham Stage 1 Option 2.8

Status: S4

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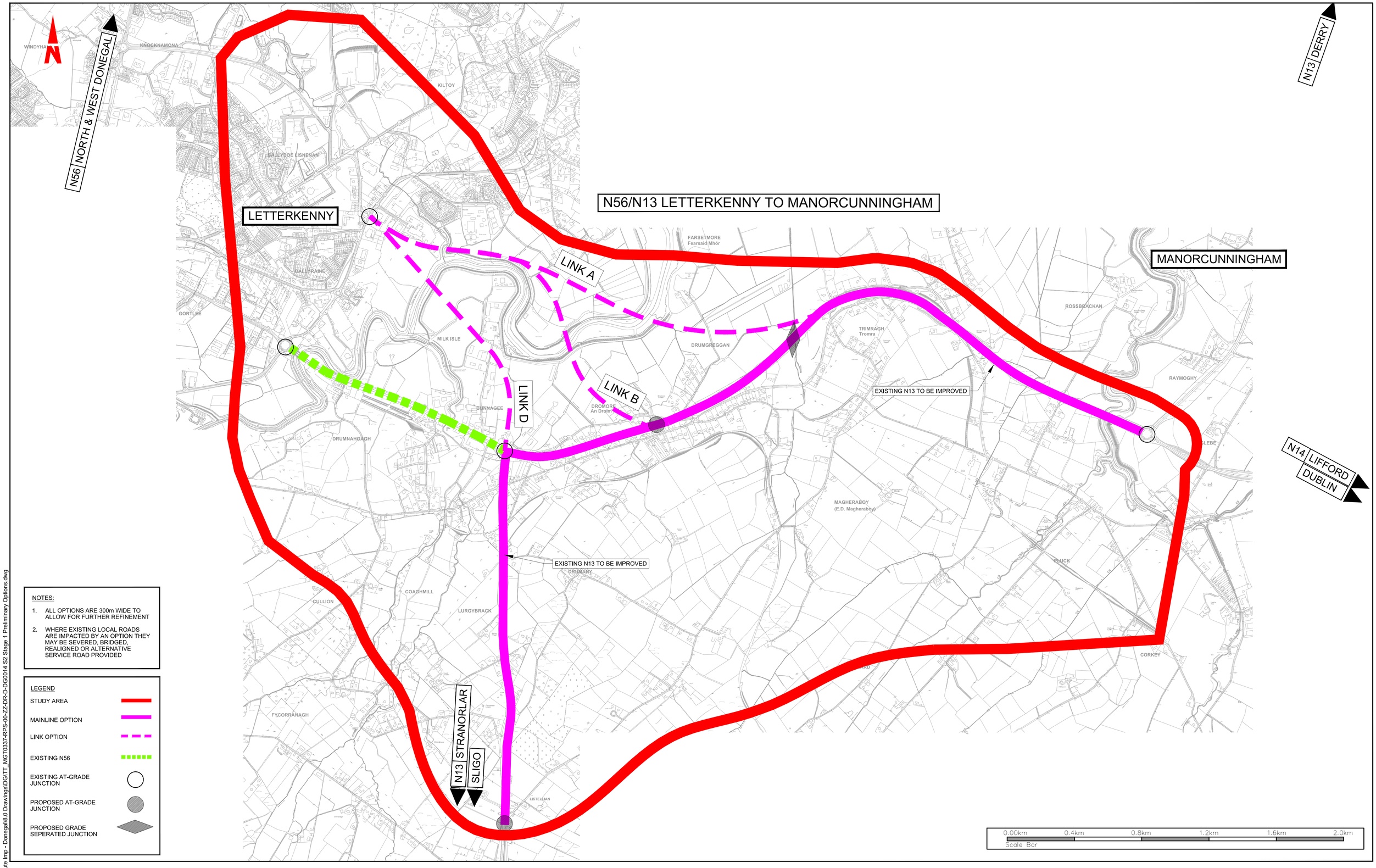

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P01	24.10.19	SS	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: SECTION 2-N56/N13 Letterkenny to Manorcunningham Stage 1 Options 2.9 - 2.12 (Pink)

Status: S4

Designed: R. Kenny	Date: APR. 2018	Model File Identifier:	Rev:
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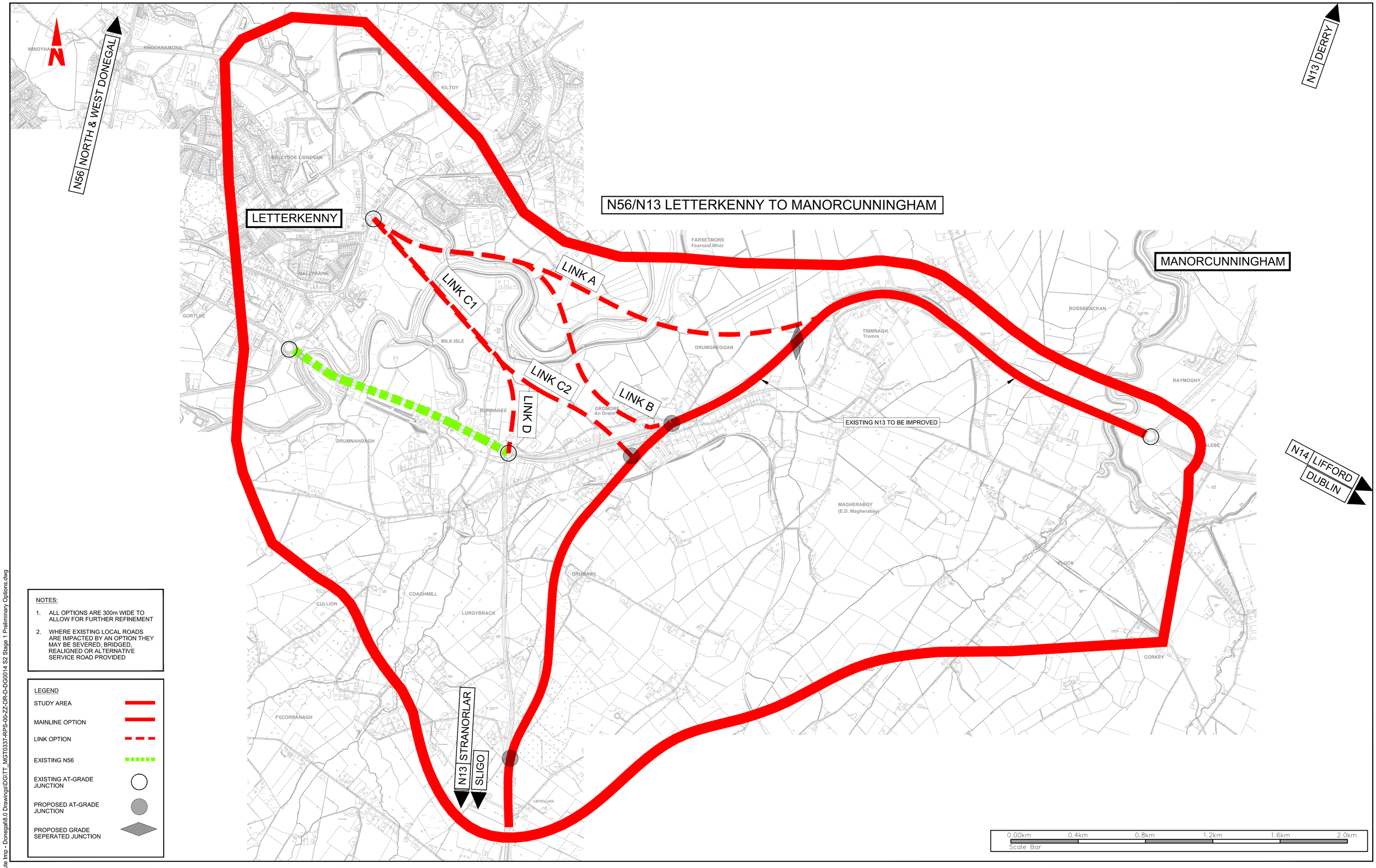
N56/N13 LETTERKENNY TO MANORCUNNINGHAM



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- PROPOSED GRADE SEPERATED JUNCTION

0.00km 0.4km 0.8km 1.2km 1.6km 2.0km
Scale Bar

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Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: SECTION 2-N56/N13 Letterkenny to Manorcunningham
Stage 1 Options 2.13 - 2.17 (Red)

Status: S4

Designed: R. Kenny	Date: APR. 2018	Model File Identifier:	Rev:
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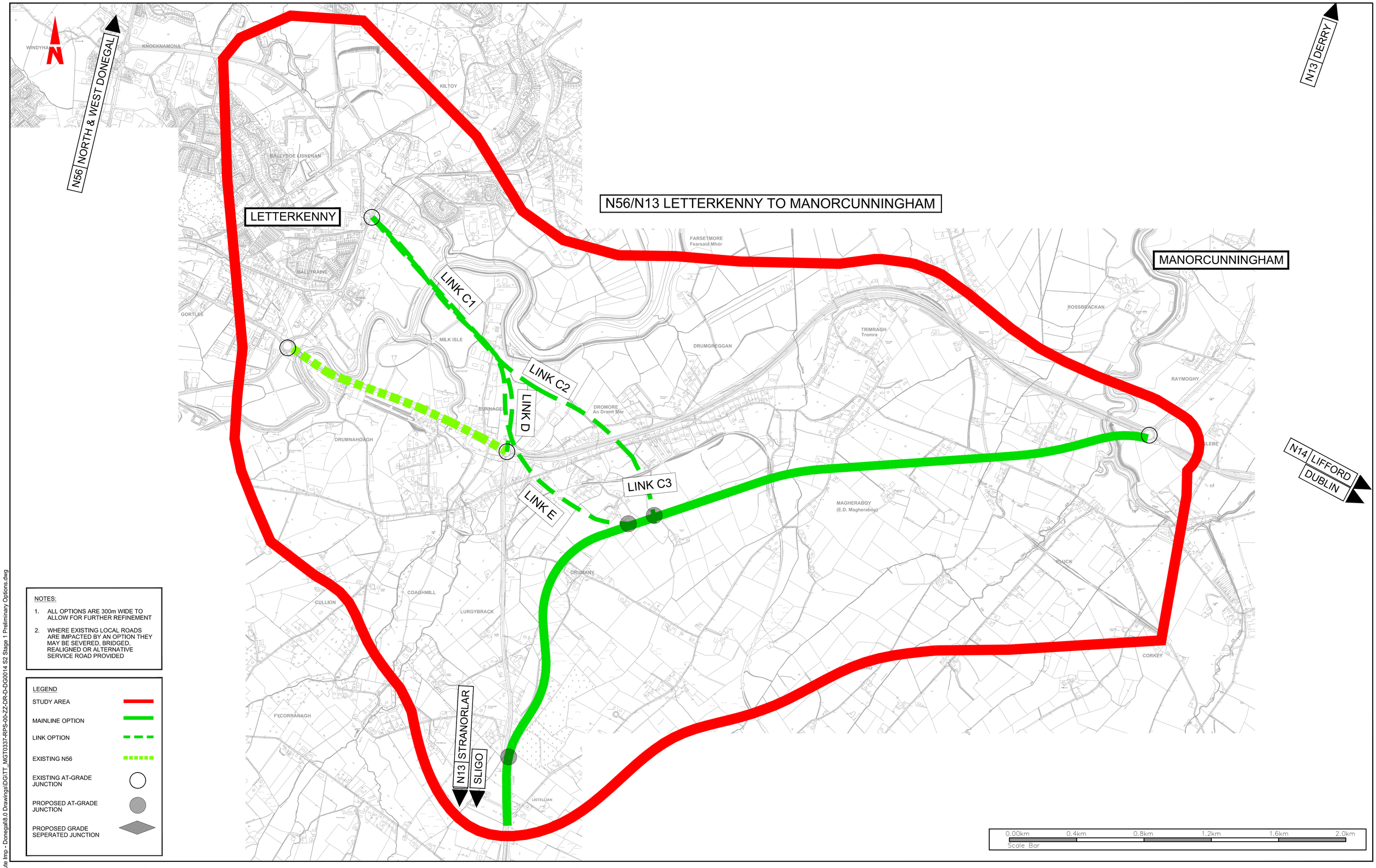

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Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: SECTION 2-N56/N13 Letterkenny to Manorcunningham Stage 1 Options 2.18 - 2.21 (Green)

Status: S4

Designed: R. Kenny	Date: APR. 2018	Model File Identifier:	Rev:
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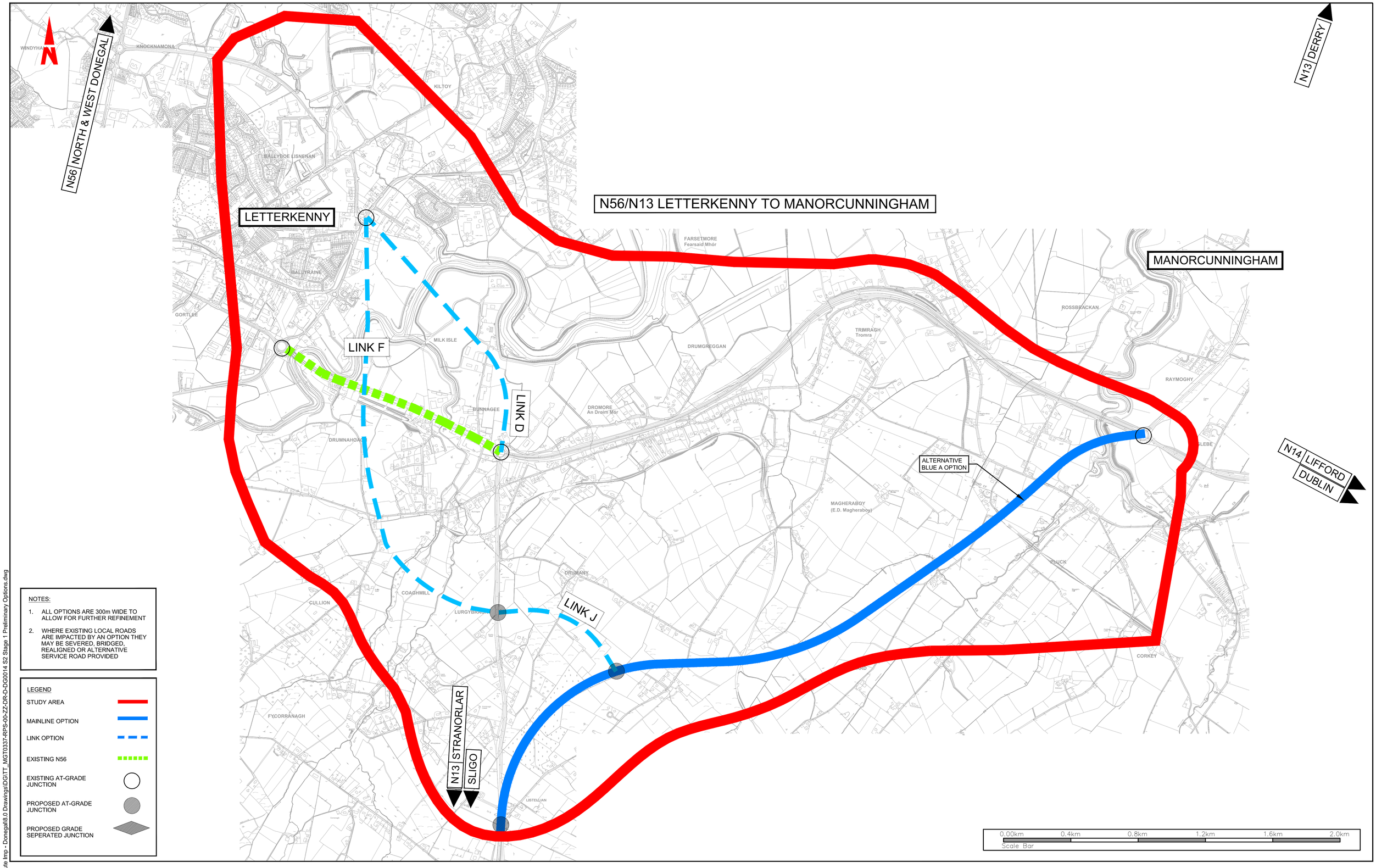

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Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: SECTION 2-N56/N13 Letterkenny to Manorcunningham Stage 1 Options 2.22 - 2.26 (Blue A)

Status: S4

Designed: R. Kenny	Date: APR. 2018	Model File Identifier:	Rev:
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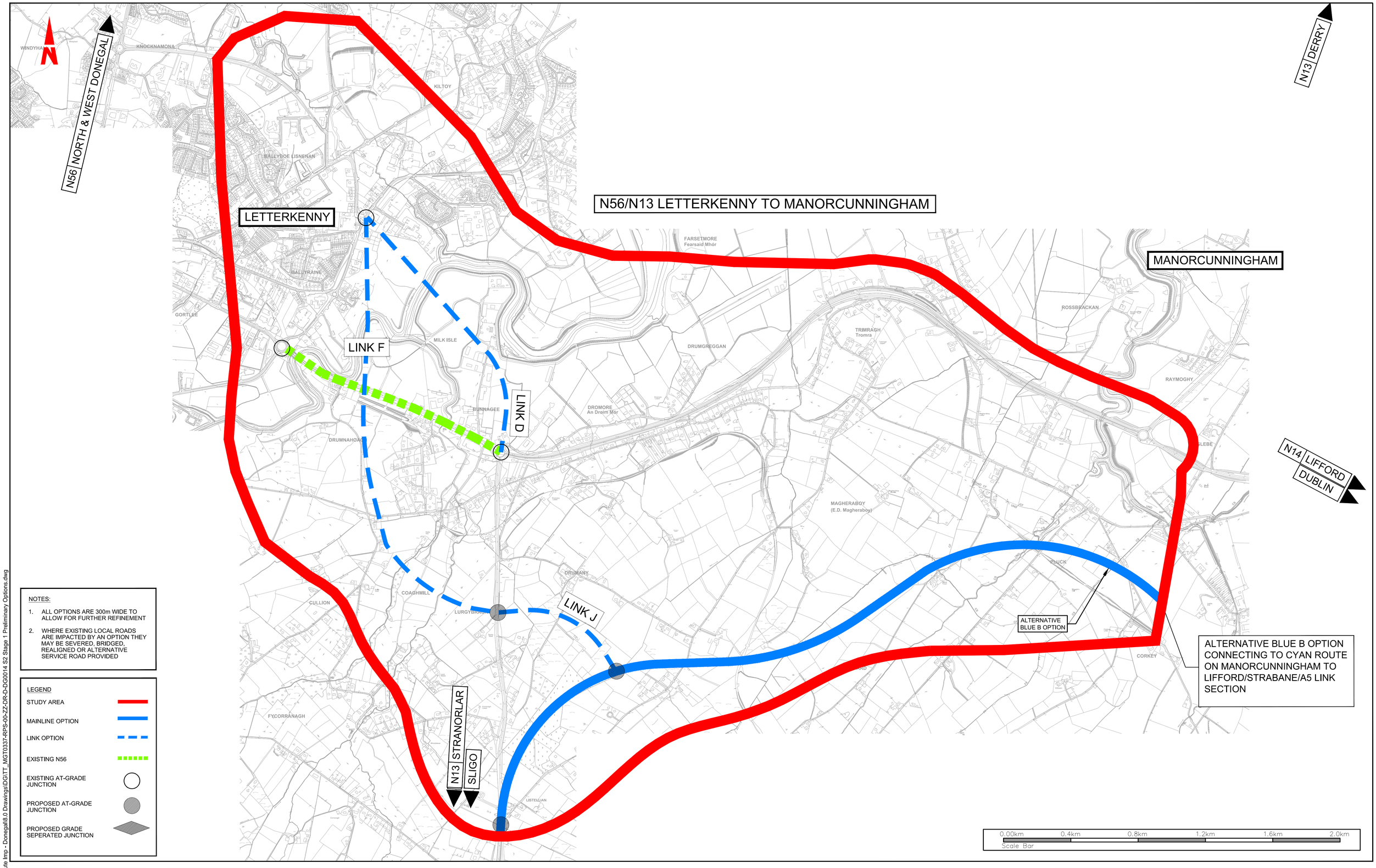

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Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: SECTION 2-N56/N13 Letterkenny to Manorcunningham Stage 1 Options 2.27 - 2.31 (Blue B)

Status: S4

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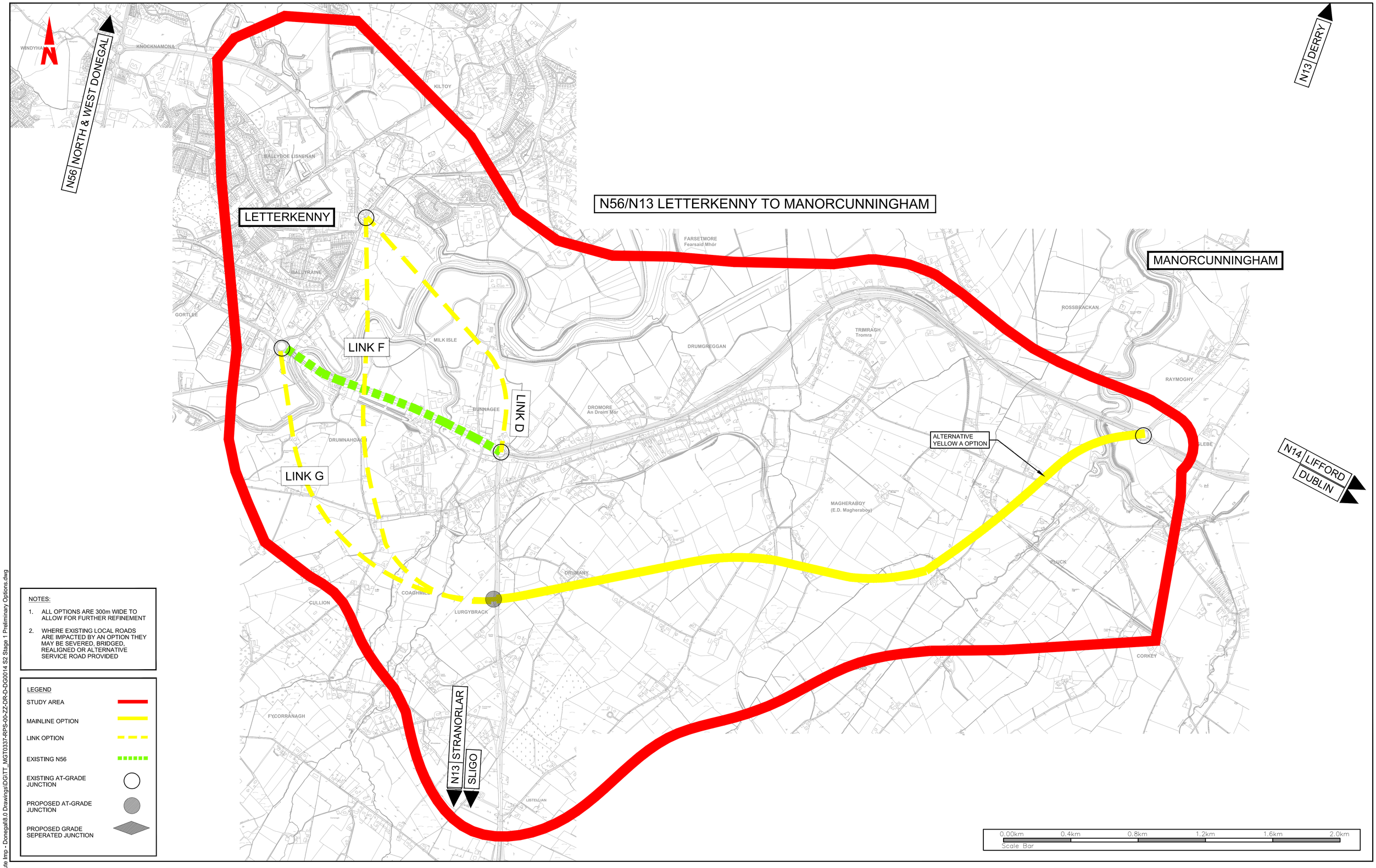
N56/N13 LETTERKENNY TO MANORCUNNINGHAM



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Phone: +353 94 906 8950
Email: info@bbarry.ie

NOTES

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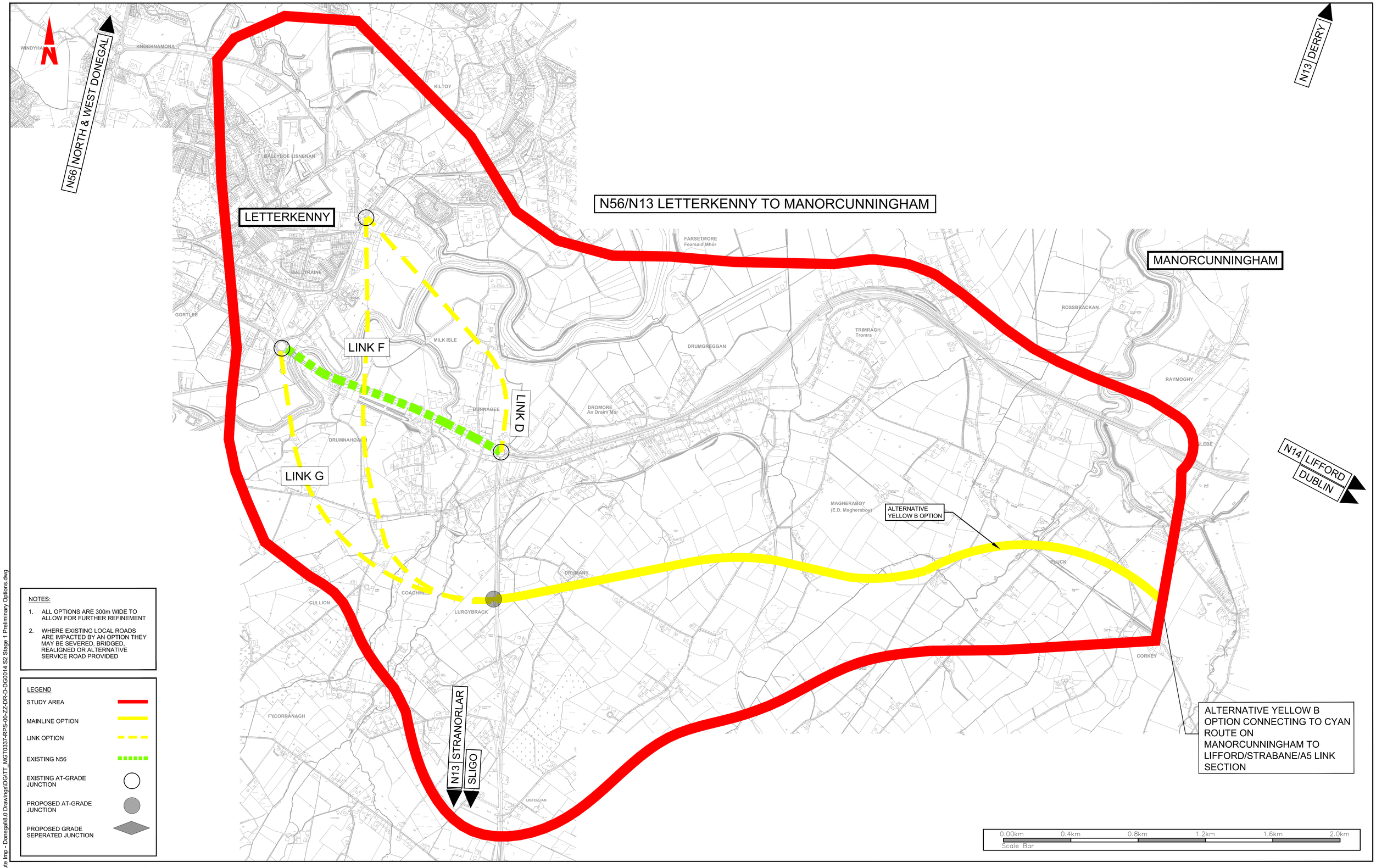
Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	24.10.19	SS	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: SECTION 2-N56/N13 Letterkenny to Manorcunningham
Stage 1 Options 2.32 - 2.35 (Yellow A)

Status: S4

Designed: R. Kenny	Date: APR. 2018	Model File Identifier:	Rev:
Drawn: S. Sinha	Scale @ A1: 1:10 000		
Approved: E. Cox	@ A3: 1:20 000	File Identifier:	P01
Checked: T. Patterson	Sheet: 09 of 10	TT_MGT0337-RPS-00-ZZ-DR-D-DG0014-09	



NOTES:

1. ALL OPTIONS ARE 300m WIDE TO ALLOW FOR FURTHER REFINEMENT
2. WHERE EXISTING LOCAL ROADS ARE IMPACTED BY AN OPTION THEY MAY BE SEVERED, BRIDGED, REALIGNED OR ALTERNATIVE SERVICE ROAD PROVIDED

LEGEND

- STUDY AREA
- MAINLINE OPTION
- LINK OPTION
- EXISTING N56
- EXISTING AT-GRADE JUNCTION
- PROPOSED AT-GRADE JUNCTION
- PROPOSED GRADE SEPERATED JUNCTION

R:\MGT0337 - Ten-T Priority Route Imp - Donegal\8.0 Drawings\DGTT_MGT0337-RPS-00-ZZ-DR-D-DG0014 S2 Stage 1 Preliminary Options.dwg

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	24.10.19	SS	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: SECTION 2-N56/N13 Letterkenny to Manorcunningham Stage 1 Options 2.36 - 2.39 (Yellow B)

Status: S4

Designed: R. Kenny	Date: APR. 2018	Model File Identifier:	Rev:
Drawn: S. Sinha	Scale @ A1: 1:10 000		
Approved: E. Cox	@ A3: 1:20 000	File Identifier:	P01
Checked: T. Patterson	Sheet: 10 of 10	TT_MGT0337-RPS-00-ZZ-DR-D-DG0014-10	

N

NORTH & WEST DONEGAL

N56

LETTERKENNY

Leitir Ceanainn

LETTERKENNY

N13 DERRY

MANORCUNNINGHAM

N13 STRANORLAR

SLIGO

N14 LIFFORD

DUBLIN

ALTERNATIVE BLUE (2F2) ROUTE CONNECTING TO CYAN ROUTE ON MANORCUNNINGHAM TO LIFFORD/STRABANE/A5 LINK SECTION

NOTES:
1. ALL OPTION CORRIDORS ARE TYPICALLY 300m WIDE TO ALLOW FOR FURTHER REFINEMENT.
2. WHERE MULTIPLE OPTIONS ARE SHOWN TOGETHER IN PARALLEL, THE LOCATION OF THE OPTION CORRIDOR CAN BE TAKEN AS CENTRED WITHIN THE COLOURED BAND.

LEGEND

- STUDY AREA
- ORANGE ROUTE CORRIDOR (2A)
- PINK ROUTE CORRIDOR (2B)
- PURPLE ROUTE CORRIDOR (2C)
- RED ROUTE CORRIDOR (2D)
- GREEN ROUTE CORRIDOR (2E)
- BLUE ROUTE CORRIDOR (2F1 & 2F2)
- POTENTIAL LINK ROUTE CORRIDOR

0.00km 0.4km 0.8km 1.2km 1.6km 2.0km
Scale Bar

R:\MGT0337 - Ten-T Priority Route Imp - Donegal\8.0 Drawings\DG\TT_MGT0337-RPS-00-ZZ-DR-D-DG0011 Selected Corridors.dwg

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	13.11.19	SS	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: SECTION 2 STAGE 2 ROUTE OPTIONS

Status: S4

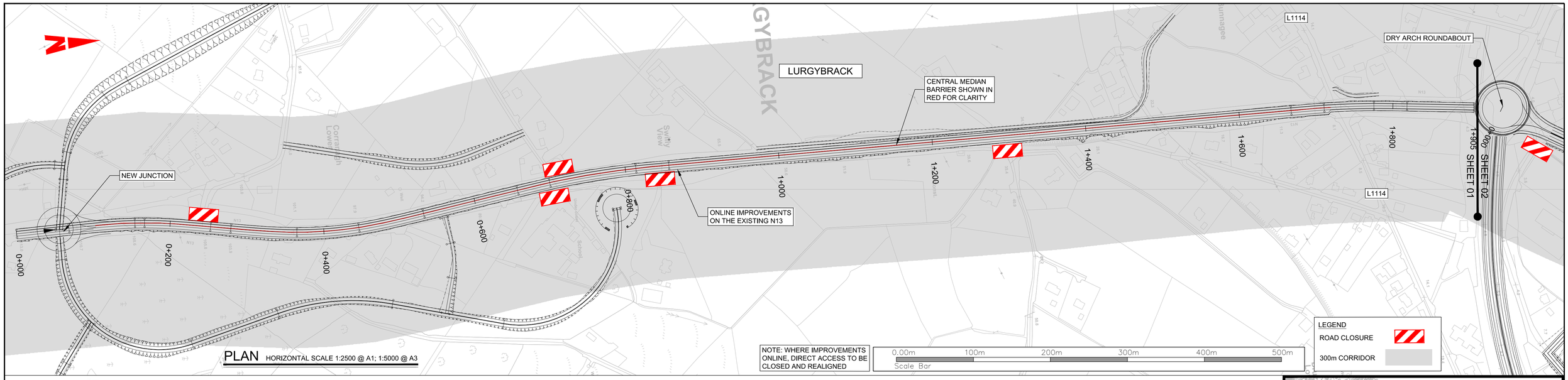
Designed: R. Kenny
Drawn: R. Kenny
Approved: E.Cox
Checked: T. Patterson

Date: APR. 2018
Scale @ A1: 1:10 000
@ A3: 1:20 000
Sheet: 02 of 02

Model File Identifier:

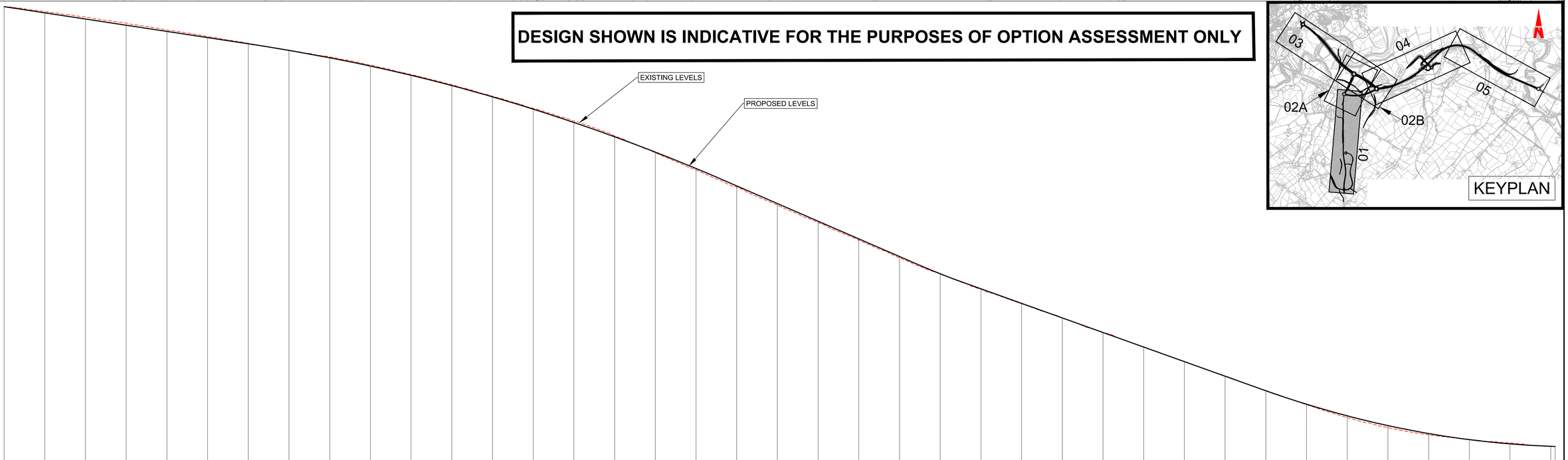
File Identifier: TT_MGT0337-RPS-00-ZZ-DR-D-DG0011-02

Rev: P01



PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY



Datum 0.000 m

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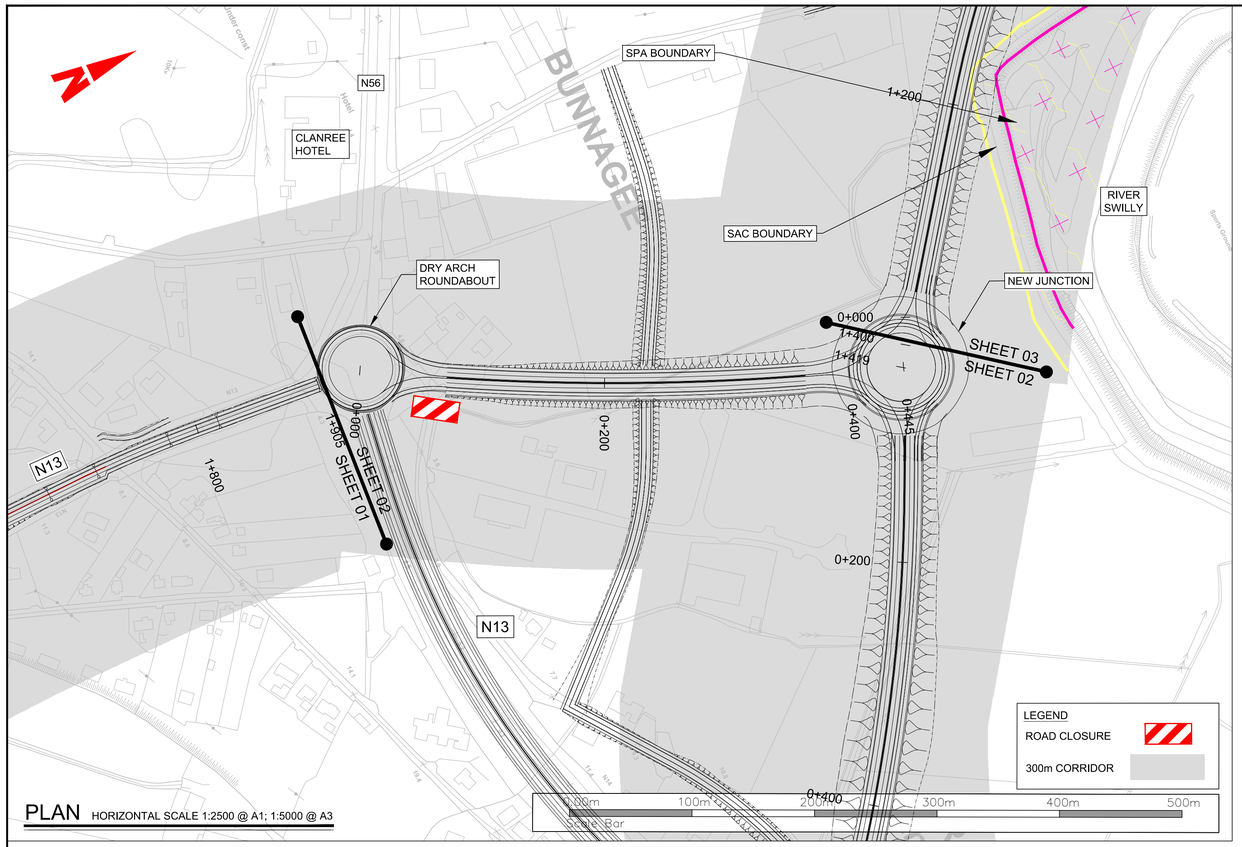
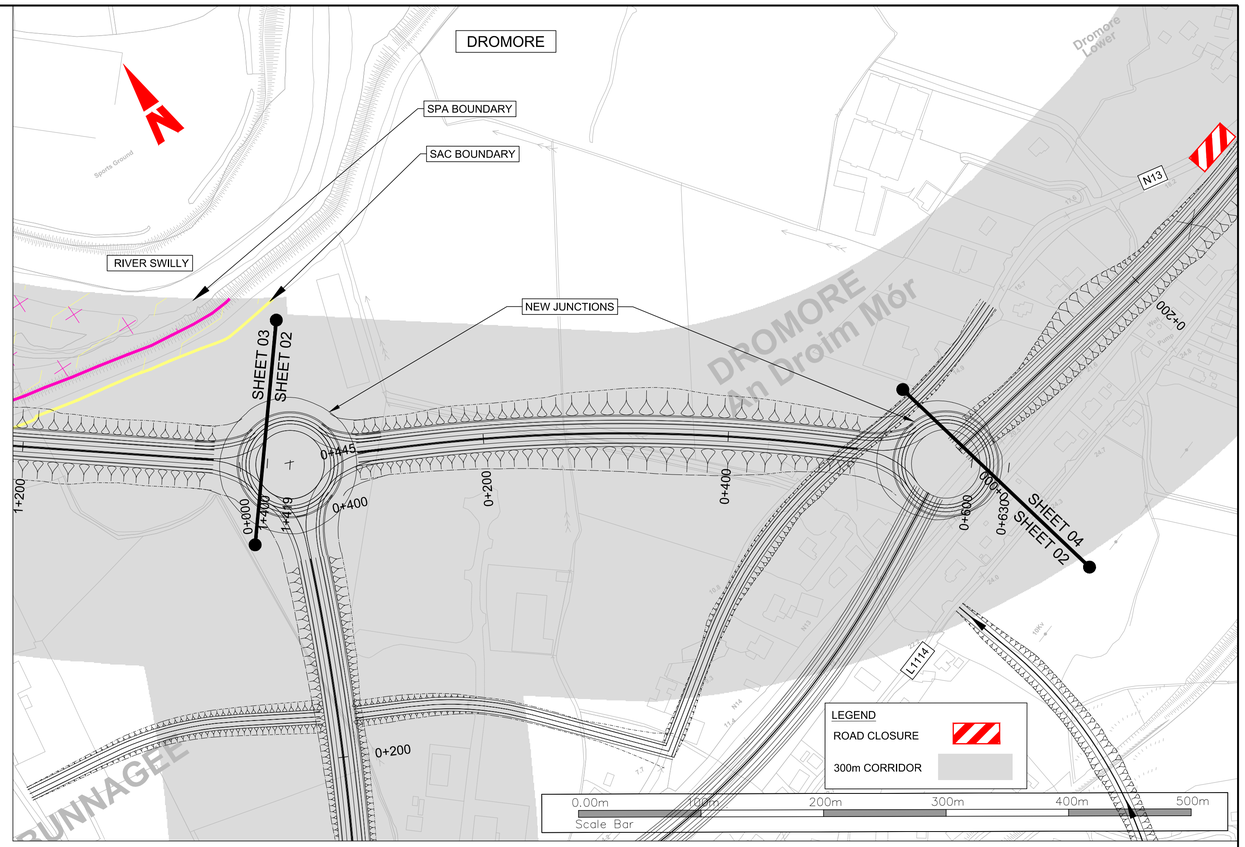
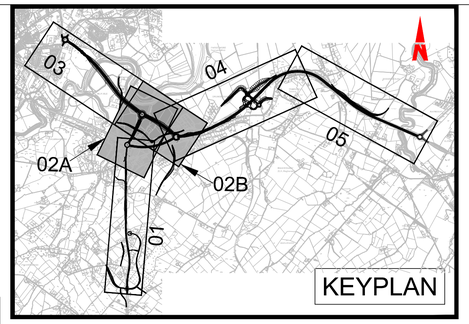
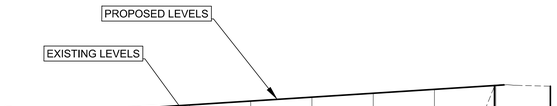


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3







Datum 0.000 m

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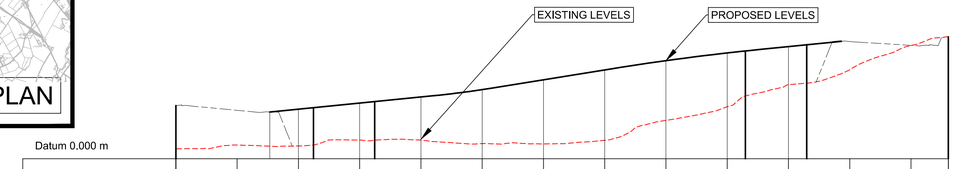
EXISTING LEVELS	4.580	3.211	3.650	2.312	2.060	2.008	1.932	2.122	1.867	2.146
PROPOSED LEVELS		3.744	4.381	5.019	5.656	6.293	6.931	7.568	8.206	
HORIZONTAL GEOMETRY		L =33.848	R: 2040.000 L: 365.154							L =45.549
VERTICAL GEOMETRY			G =1.275% L =372.073							



Datum 0.000 m

CHAINAGE	0+000	0+050	0+100	0+150	0+200	0+250	0+300	0+350	0+400	0+450	0+500	0+550	0+600	0+630
EXISTING LEVELS	1.587	2.219	2.068	3.039	3.025	2.463	2.408	2.992	6.251	8.485	12.073	14.516	18.455	19.886
PROPOSED LEVELS			8.070	9.070	10.070	11.273	12.877	14.487	15.995	17.255	18.251			
HORIZONTAL GEOMETRY		L =112.261	L: 50.000	R: 1440.000 L: 302.603							L: 50.000	L =115.572		
VERTICAL GEOMETRY			G =2.000% L =134.606	R =3700.000 K =37.000 L =45.113		G =3.219% L =98.654	R =10000.000 K =100.000 L =121.926				G =2.000% L =66.285			

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY

R:\MGT0337 - Ten-T Priority Route Imp - Donegal\8.0 Drawings\GEITT_MGT0337-RPS-00-ZZ-DR-D-GE0020_Orange Route Section 2 2500.dwg

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2A PLAN & PROFILE FIGURE 2A SHEET 2 OF 5

Status: S4

Designed: DC	Date: JUNE 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	
Approved: EC	@ A3: AS SHOWN	File Identifier:	P01
Checked: TP	Sheet: 02 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0020-02	

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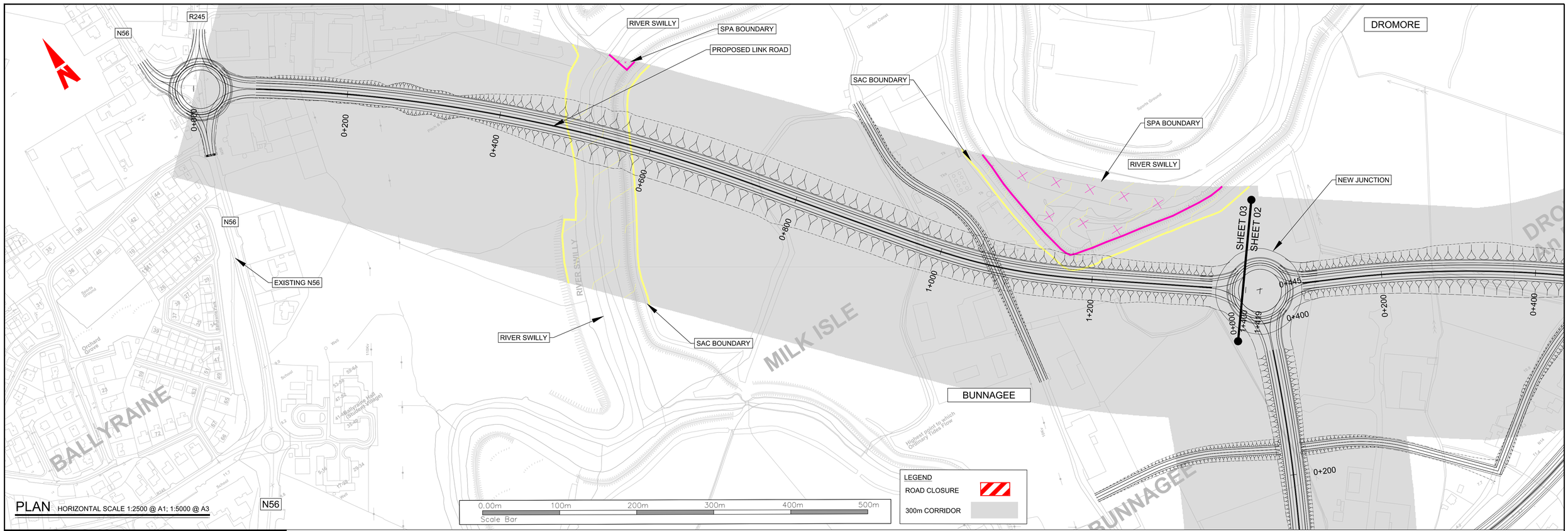
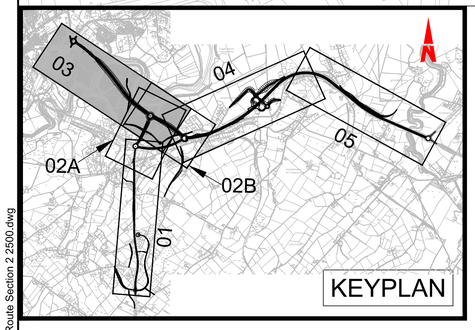
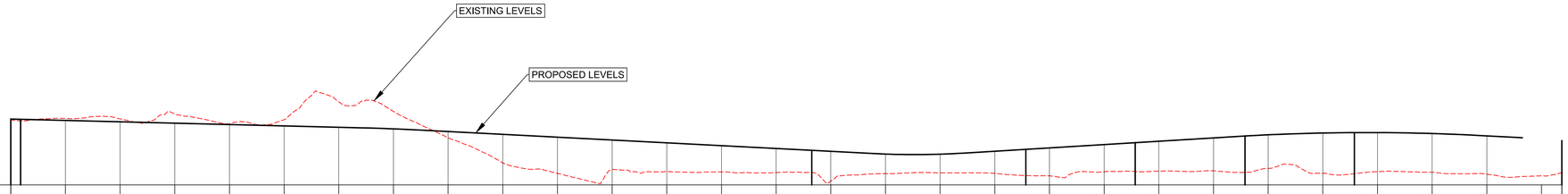


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3





Datum 0.000 m

CHAINAGE	0+000	0+050	0+100	0+150	0+200	0+250	0+300	0+350	0+400	0+450	0+500	0+550	0+600	0+650	0+700	0+750	0+800	0+850	0+900	0+950	1+000	1+050	1+100	1+150	1+200	1+250	1+300	1+350	1+400	1+419
EXISTING LEVELS	11.892	12.140	12.051	12.944	11.184	11.906	15.173	13.413	8.600	3.981	2.113	2.785	2.437	2.376	2.259	0.688	2.053	2.195	2.108	1.658	2.382	2.502	2.578	3.012	2.110	2.416	2.337	1.967	1.663	2.172
PROPOSED LEVELS	12.026	11.776	11.526	11.276	11.026	10.776	10.526	10.233	9.746	9.230	8.713	8.197	7.681	7.164	6.648	6.131	5.533	5.610	6.155	6.763	7.371	7.979	8.588	9.147	9.473	9.550	9.376	8.955		
HORIZONTAL GEOMETRY	L =9.039	R: 2040.000 L: 723.546															L =195.766			L: 100.000		R: 720.000 L: 100.456		L: 100.000			L =189.750				
VERTICAL GEOMETRY	G =-0.500% L =320.921							R =10000.000 K =100.000 L =53.287		G =-1.033% L =414.236							R =3700.000 K =37.000 L =83.217		G =1.216% L =247.006					R =10000.000 K =100.000 L =224.275				G =3.027% L =39.821			

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2A PLAN & PROFILE
FIGURE 2A SHEET 3 OF 5

Status: S4

Designed: DC	Date: JUNE 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	
Approved: EC	@ A3: AS SHOWN	File Identifier:	P01
Checked: TP	Sheet: 03 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0020-03	

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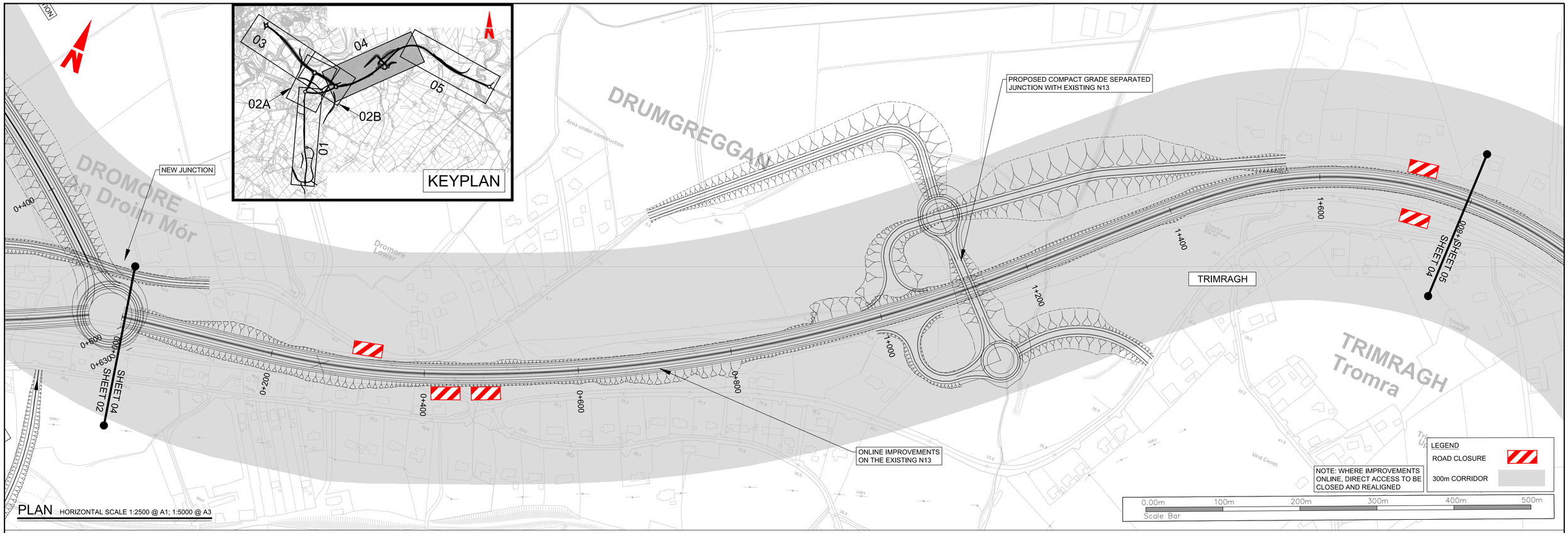

PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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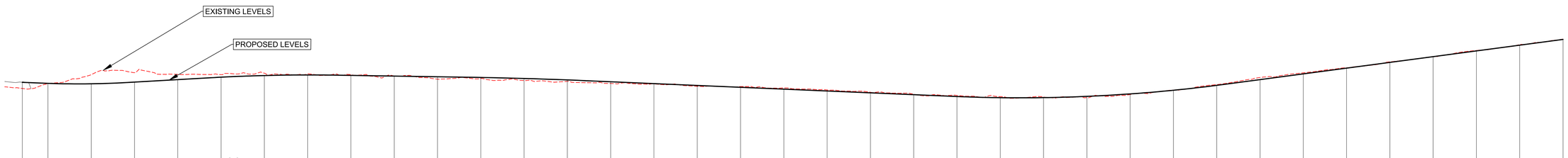

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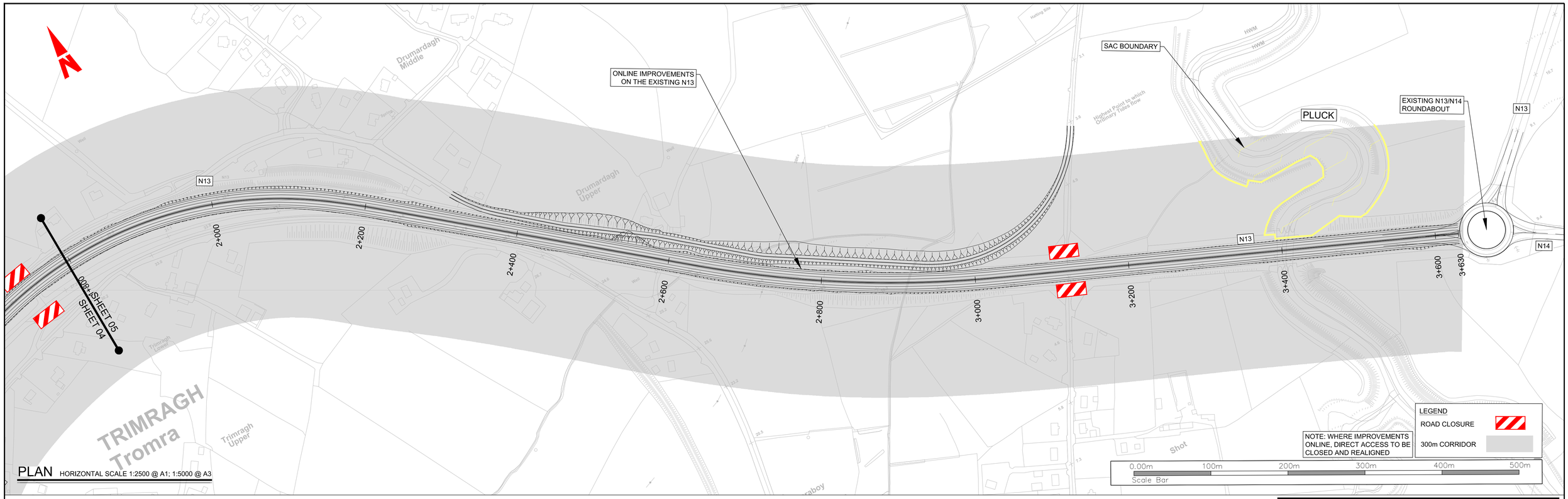

PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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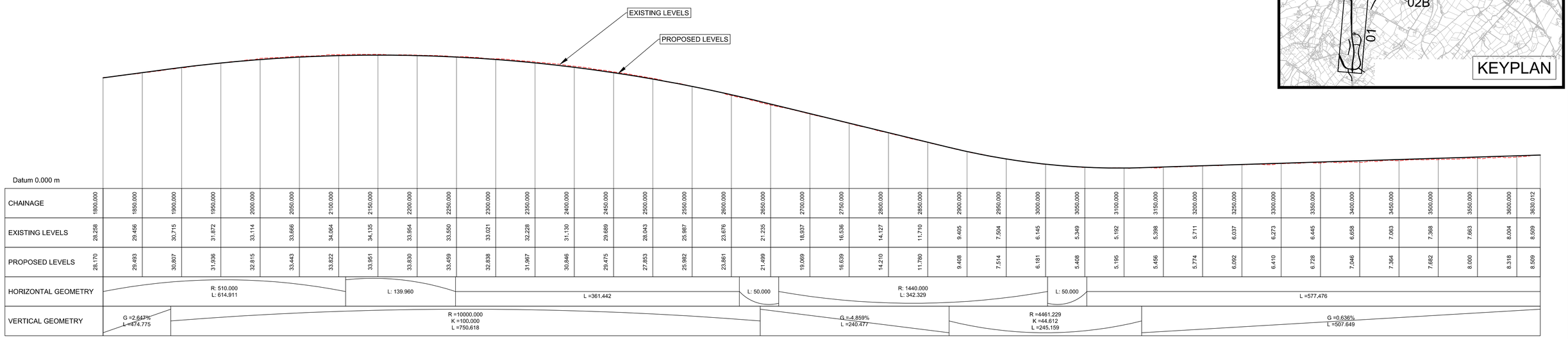

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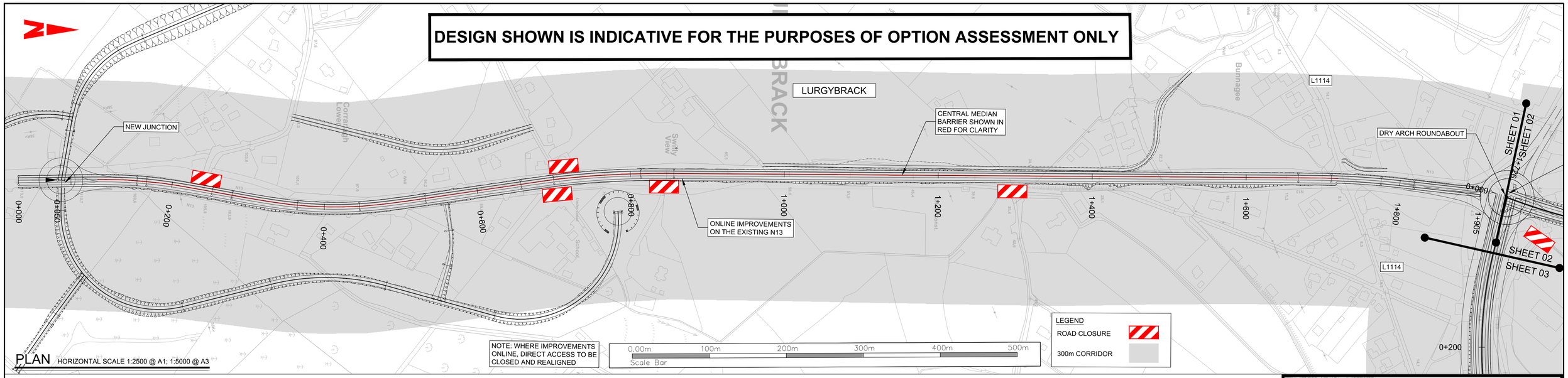
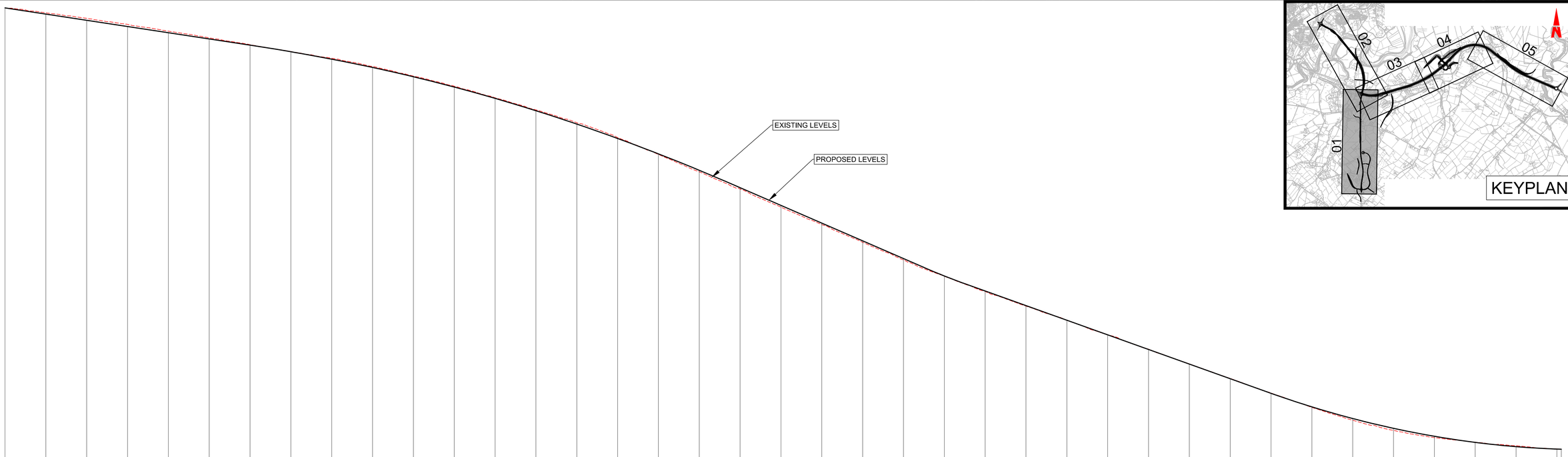


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



Datum 0.000 m

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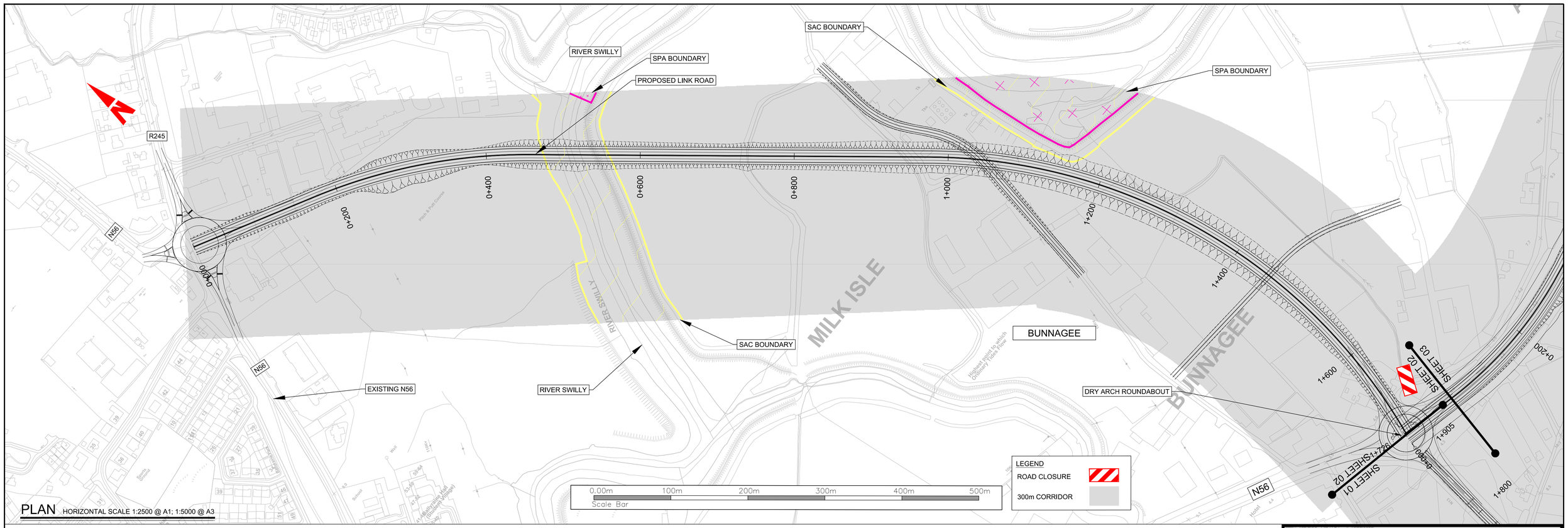

PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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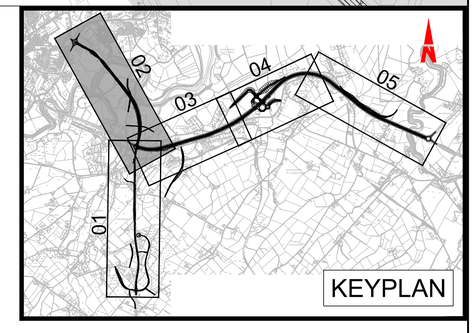

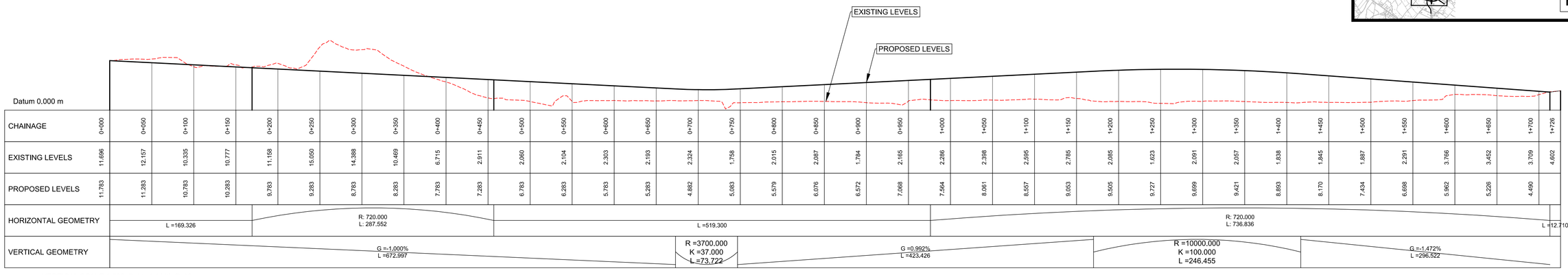

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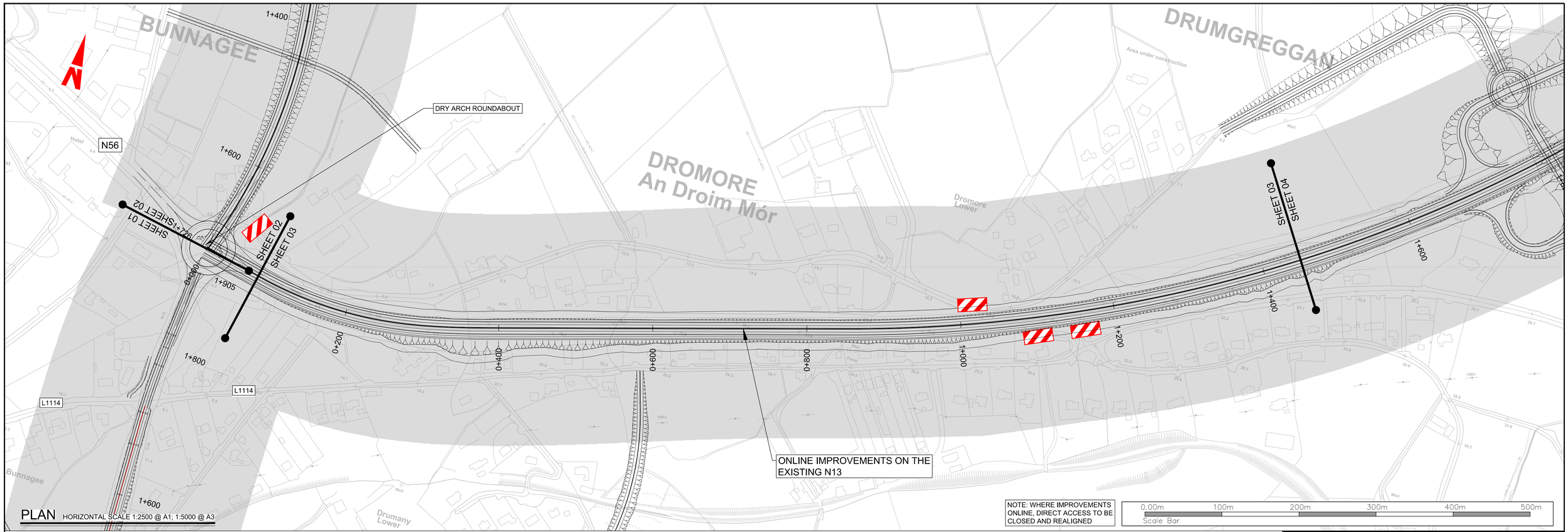
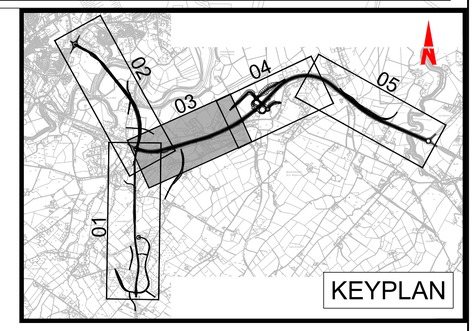


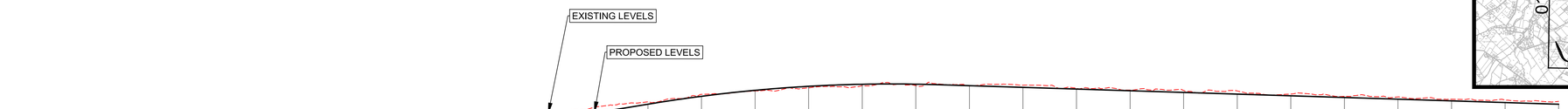
PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

NOTE: WHERE IMPROVEMENTS ONLINE, DIRECT ACCESS TO BE CLOSED AND REALIGNED

0.00m 100m 200m 300m 400m 500m
Scale Bar

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





Datum 0.000 m

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EXISTING LEVELS	4.588	3.514	3.704	3.869	4.550	5.841	7.753	9.672	11.603	13.588	14.958	16.763	17.753	19.143	19.790	20.392	20.746	20.782	20.730	20.864	20.279	19.939	19.875	19.796	19.207	18.775	18.873	18.220	18.066	17.838
PROPOSED LEVELS	4.588	3.514	3.704	3.869	4.550	5.841	7.753	9.672	11.603	13.588	14.958	16.763	17.753	19.143	19.790	20.392	20.746	20.782	20.730	20.864	20.279	19.939	19.875	19.796	19.207	18.775	18.873	18.220	18.066	17.838
HORIZONTAL GEOMETRY		L =76.837	L: 47.000	R: 510.000 L: 189.006			L: 139.960			L =427.794								L: 36.600	R: 1950.000 L: 982.972											
VERTICAL GEOMETRY		G =-12.215% L =538.321					R =2600.000 K =26.000 L =289.300											G =-1.088% L =1371.221												

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2B PLAN & PROFILE
FIGURE 2B SHEET 3 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier: N/A	Rev: P01
Drawn: LM	Scale @ A1: AS SHOWN		
Approved: EC	@ A3: AS SHOWN	File Identifier: TT_MGT0337-RPS-00-ZZ-DR-D-GE0021-03	
Checked: TP	Sheet: 03 of 05		

R:\MGT0337 - Ten-T Priority Route Imp - Donegal\8.0 Drawings\GEITT_MGT0337-RPS-00-ZZ-DR-D-GE0021_Pink Route Section 2 2500.dwg

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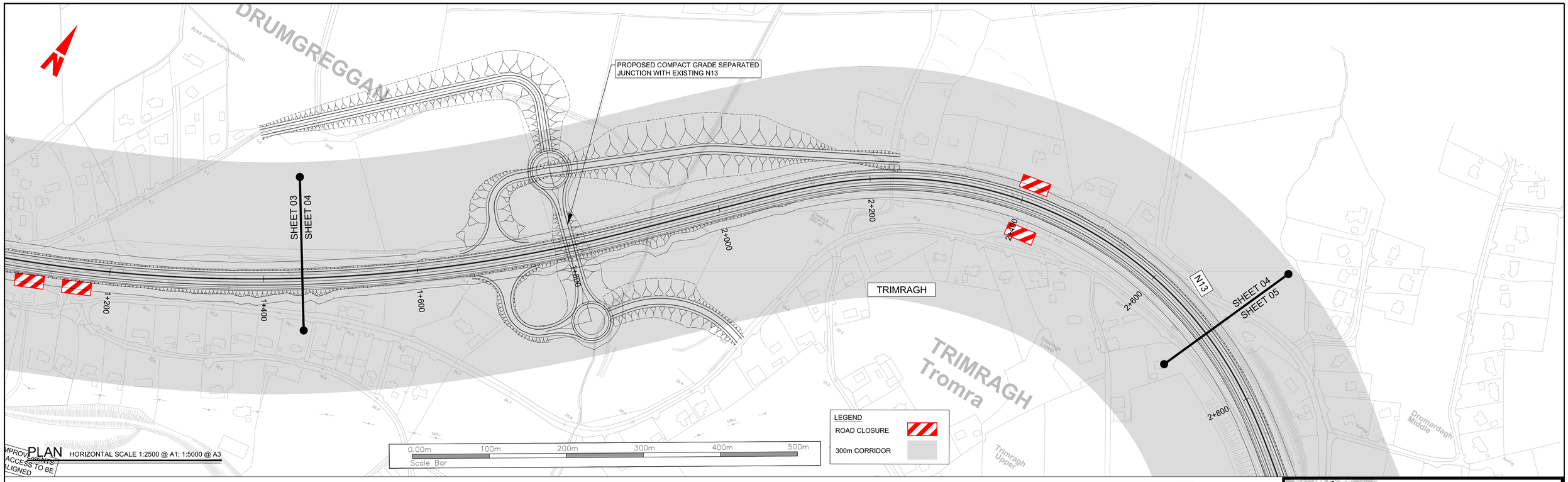
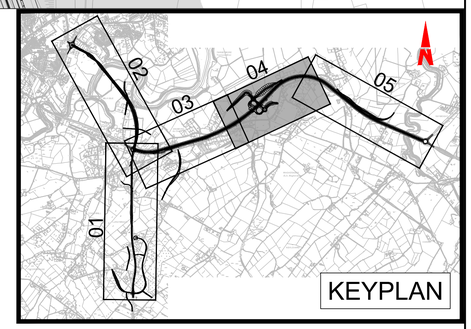
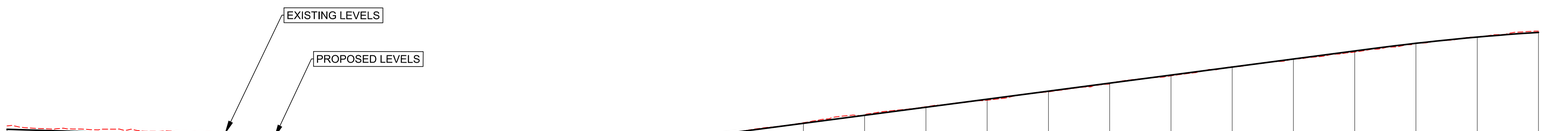


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

IMPROVEMENTS ACCESS TO BE REALIGNED

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





Datum 0.000 m

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EXISTING LEVELS	17.838	17.354	17.246	16.759	16.282	15.866	15.342	15.070	14.644	14.939	15.078	15.696	16.912	18.368	19.673	20.975	22.042	23.397	24.701	26.018	27.503	28.781	29.907	31.318	32.348	33.314		
PROPOSED LEVELS	17.838	17.354	17.246	16.759	16.282	15.866	15.342	15.070	14.644	14.939	15.078	15.696	16.912	18.368	19.673	20.975	22.042	23.397	24.701	26.018	27.503	28.781	29.907	31.318	32.348	33.314		
HORIZONTAL GEOMETRY		R: 1950.000 L: 982.972								L: 36.600		L =142.948		L: 139.960							R: 510.000 L: 614.911							
VERTICAL GEOMETRY		G =-1.088% L =1371.221										R =2600.000 K =26.000 L =92.547				G =2.471% L =634.007										R =9030.600 K =90.306 L =611.040		

PROFILE

VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2B PLAN & PROFILE FIGURE 2B SHEET 4 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	
Approved: EC	@ A3: AS SHOWN	File Identifier:	P01
Checked: TP	Sheet: 04 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0021-04	

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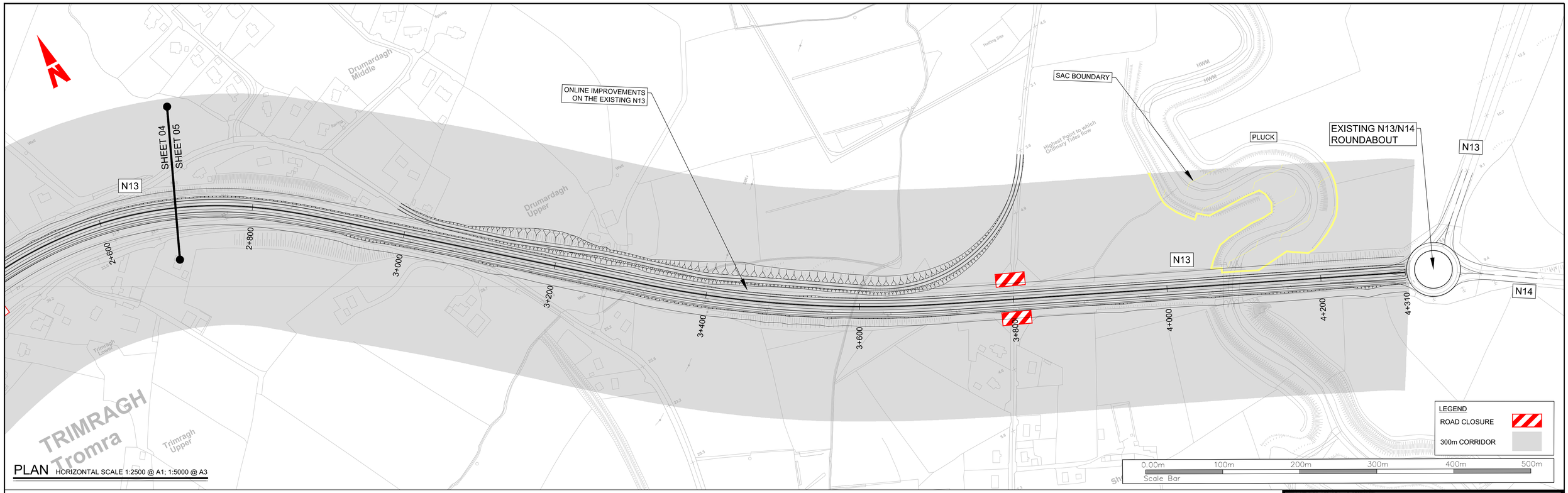
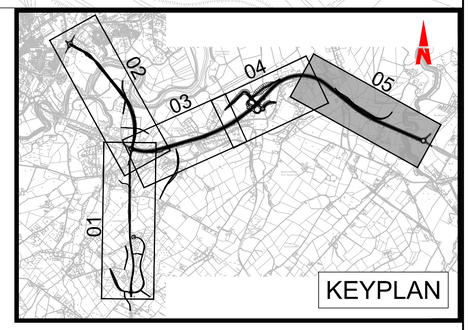
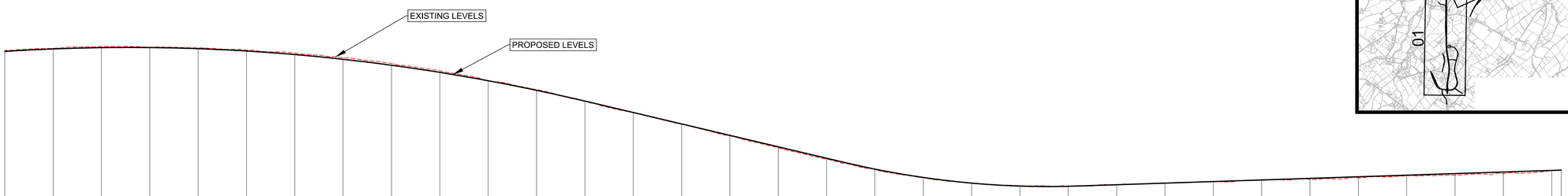


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





Datum 0.000 m

CHAINAGE	2700.000	2750.000	2800.000	2850.000	2900.000	2950.000	3000.000	3050.000	3100.000	3150.000	3200.000	3250.000	3300.000	3350.000	3400.000	3450.000	3500.000	3550.000	3600.000	3650.000	3700.000	3750.000	3800.000	3850.000	3900.000	3950.000	4000.000	4050.000	4100.000	4150.000	4200.000	4250.000	4300.000	4305.716
EXISTING LEVELS	33.314	33.766	34.147	33.994	33.860	33.400	32.773	31.835	30.618	29.102	27.041	25.162	22.812	20.402	18.010	15.586	13.101	10.777	8.636	6.968	5.807	5.289	5.191	5.477	5.771	6.146	6.388	6.585	6.873	7.338	7.439	7.741	8.466	8.569
PROPOSED LEVELS	33.314	33.766	34.147	33.994	33.860	33.400	32.773	31.835	30.618	29.102	27.041	25.162	22.812	20.402	18.010	15.586	13.101	10.777	8.636	6.968	5.807	5.289	5.191	5.477	5.771	6.146	6.388	6.585	6.873	7.338	7.439	7.741	8.466	8.569
HORIZONTAL GEOMETRY		R: 510.000 L: 614.911		L: 139.960			L =361.442							L: 50.000			R: 1440.000 L: 342.329				L: 50.000							L =577.476					
VERTICAL GEOMETRY								R =9030.600 K =90.306 L =611.040									G =-4.295% L =410.231					R =2907.019 K =29.070 L =160.718						G =1.234% L =356.640					

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2B PLAN & PROFILE
FIGURE 2B SHEET 5 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	
Approved: EC	@ A3: AS SHOWN	File Identifier:	P01
Checked: TP	Sheet: 05 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0021-05	

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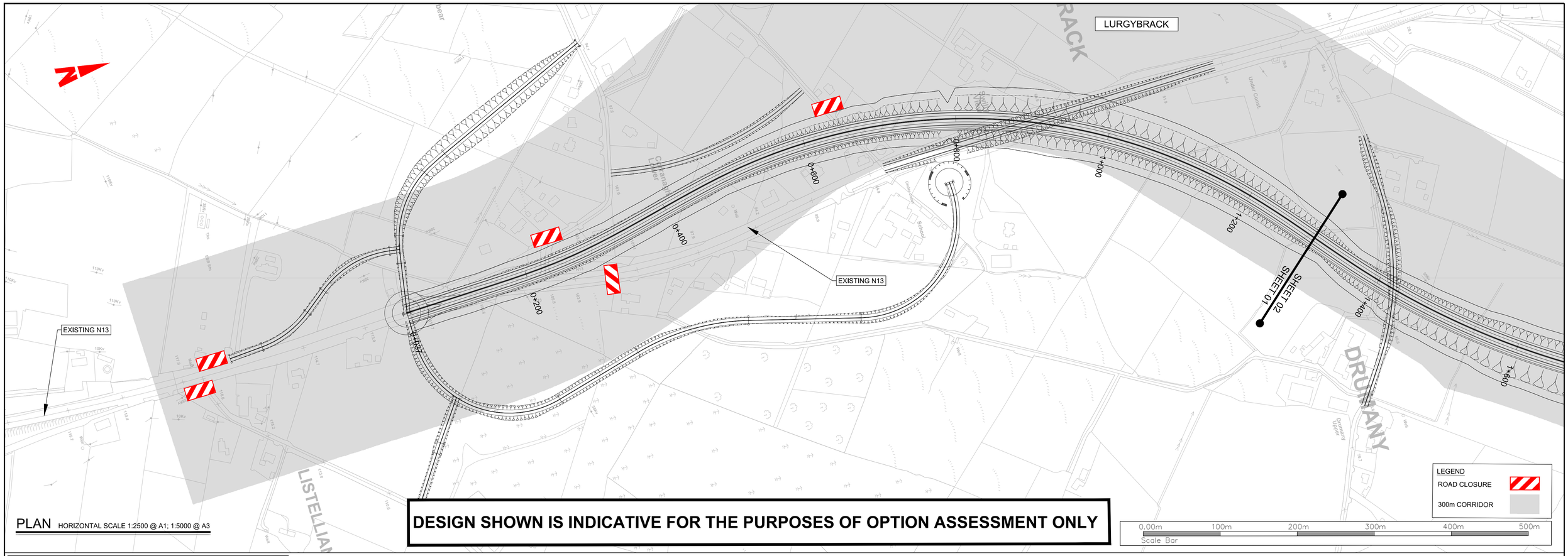
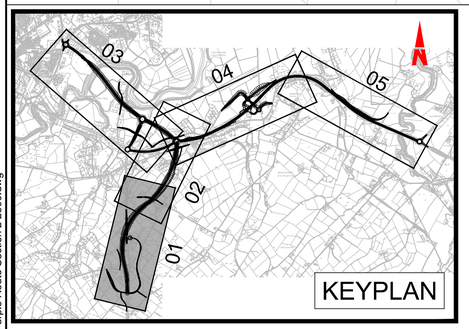
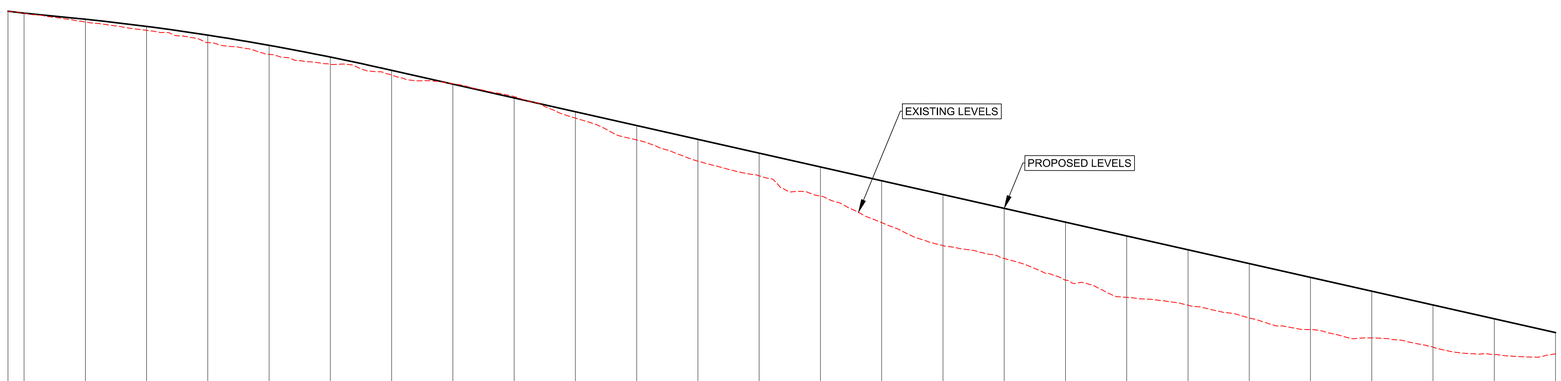


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





Datum 50.000 m

CHAINAGE	36.888	50.000	100.000	150.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	550.000	600.000	650.000	700.000	750.000	800.000	850.000	900.000	950.000	1000.000	1050.000	1100.000	1150.000	1200.000	1250.000	1300.000
EXISTING LEVELS	110.801	110.497	109.045	107.679	105.680	103.757	102.142	100.374	98.866	96.871	93.352	89.796	86.335	83.942	80.636	76.309	72.549	70.447	66.894	64.101	62.814	60.729	58.849	57.489	55.965	54.762	54.674
PROPOSED LEVELS	110.801	110.490	109.486	108.319	106.901	105.234	103.316	101.152	98.899	96.646	94.393	92.139	89.886	87.633	85.380	83.127	80.874	78.621	76.367	74.114	71.861	69.608	67.355	65.102	62.849	60.596	58.342
HORIZONTAL GEOMETRY		L =101.293		L: 100.000		R: 720.000 L: 44.846		L: 100.000		L =13.010	L: 100.000			R: 720.000 L: 705.608												L: 100.000	
VERTICAL GEOMETRY		G =-2.366% L =13.322	G =-2.000% =41.303			R =10000.000 K =100.000 L =250.626								G =-4.506% L =1754.974													

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2C PLAN & PROFILE
FIGURE 2C SHEET 1 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	P01
Approved: EC	@ A3: AS SHOWN	File Identifier:	
Checked: LH	Sheet: 01 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0022-01	

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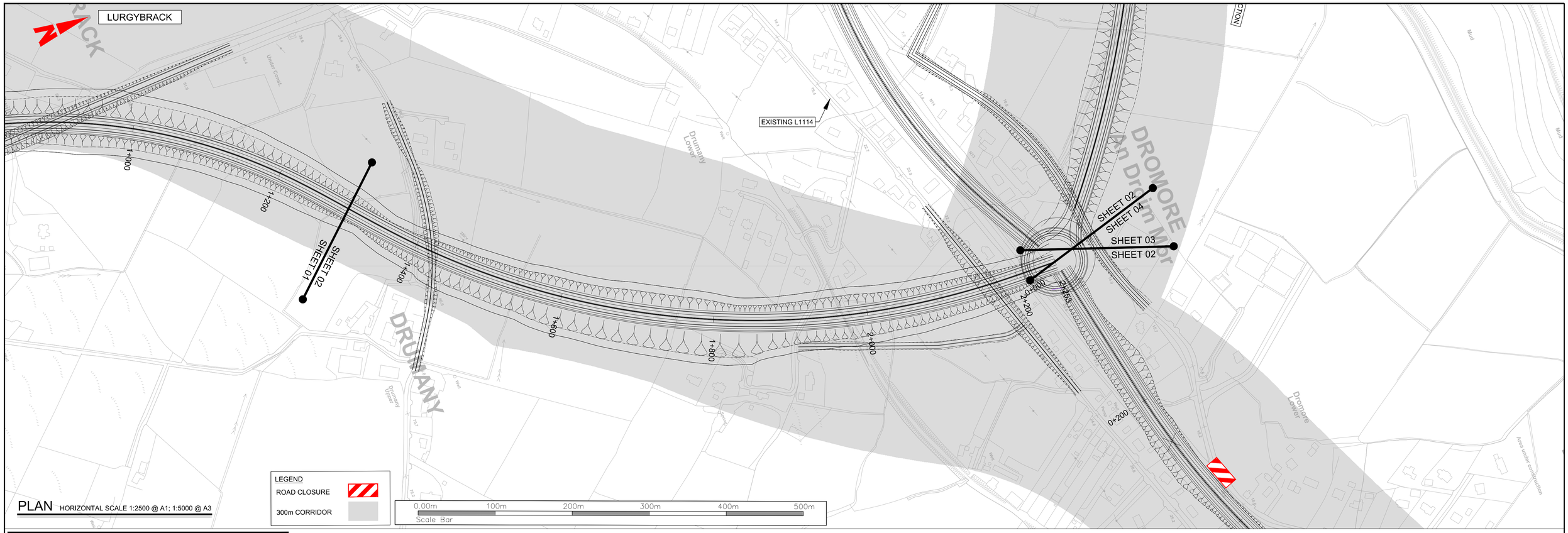
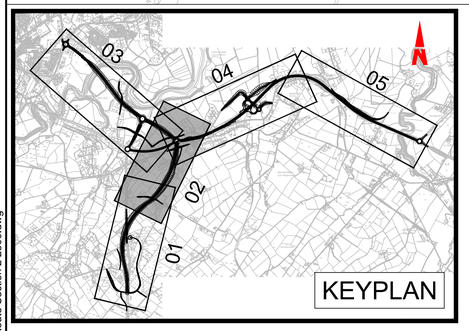


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



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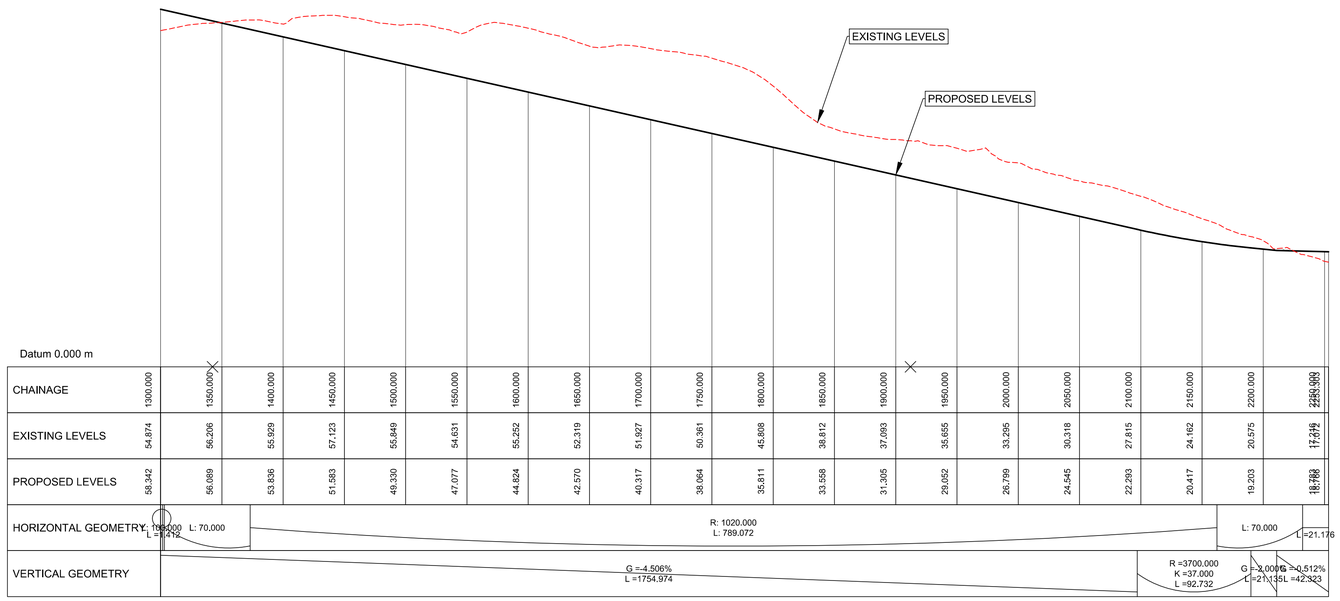

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal
Drawing Title: OPTION 2C PLAN & PROFILE FIGURE 2C SHEET 2 OF 5
Status: S4
Designed: DC | Date: AUG 18 | Model File Identifier: N/A
Drawn: LM | Scale @ A1: AS SHOWN | Rev: P01
Approved: EC | @ A3: AS SHOWN
Checked: LH | Sheet: 02 of 05 | File Identifier: TT_MGT0337-RPS-00-ZZ-DR-D-GE0022-02

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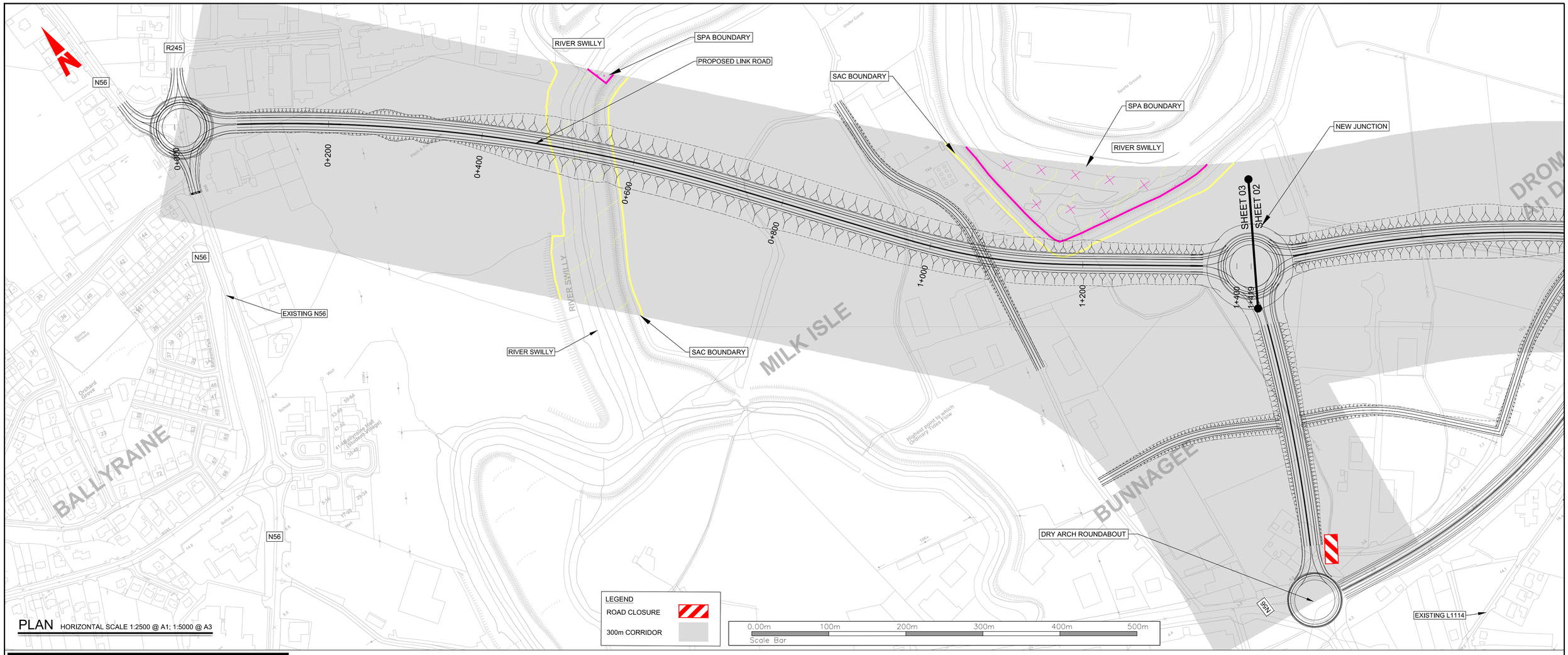
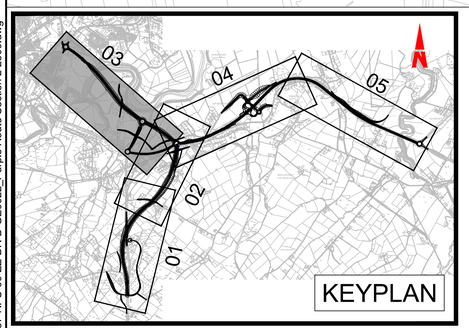
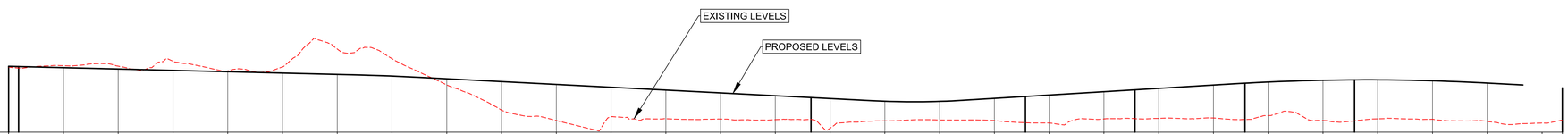


PLAN
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY



Datum 0.000 m

CHAINAGE	0+000	0+050	0+100	0+150	0+200	0+250	0+300	0+350	0+400	0+450	0+500	0+550	0+600	0+650	0+700	0+750	0+800	0+850	0+900	0+950	1+000	1+050	1+100	1+150	1+200	1+250	1+300	1+350	1+400	1+418		
EXISTING LEVELS	11.892	12.140	12.051	12.044	11.184	11.906	15.173	13.413	8.600	3.981	2.113	2.785	2.437	2.376	2.259	0.698	2.053	2.195	2.108	1.658	2.382	2.502	2.578	3.012	2.110	2.416	2.337	1.967	1.663	2.172		
PROPOSED LEVELS	12.026	11.776	11.526	11.276	11.026	10.776	10.526	10.233	9.746	9.230	8.713	8.197	7.681	7.164	6.648	6.131	5.633	5.610	6.155	6.763	7.371	7.979	8.588	9.147	9.473	9.550	9.376	8.955				
HORIZONTAL GEOMETRY	L =9.039	R: 2040.000 L: 723.546														L =195.766				L: 100.000		R: 720.000 L: 100.456		L: 100.000		L =189.750							
VERTICAL GEOMETRY	G =-0.500% L =320.921							R =10000.000 K =100.000 L =53.287	G =-1.033% L =414.236							R =3700.000 K =37.000 L =83.217	G =1.216% L =247.006				R =10000.000 K =100.000 L =224.275				G =1.027% L =39.621							

PROFILE
VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal
Drawing Title: OPTION 2C PLAN & PROFILE FIGURE 2C SHEET 3 OF 5
Status: S4
Designed: DC | Drawn: LM | Approved: EC | Checked: LH
Date: AUG 18 | Scale @ A1: AS SHOWN | @ A3: AS SHOWN | Sheet: 03 of 05
Model File Identifier: N/A
File Identifier: TT_MGT0337-RPS-00-ZZ-DR-D-GE0022-03
Rev: P01

R:\MGT0337 - Ten-T Priority Route Imp - Donegal\8.0 Drawings\GEITT_MGT0337-RPS-00-ZZ-DR-D-GE0022_Purple Route Section 2 2500.dwg

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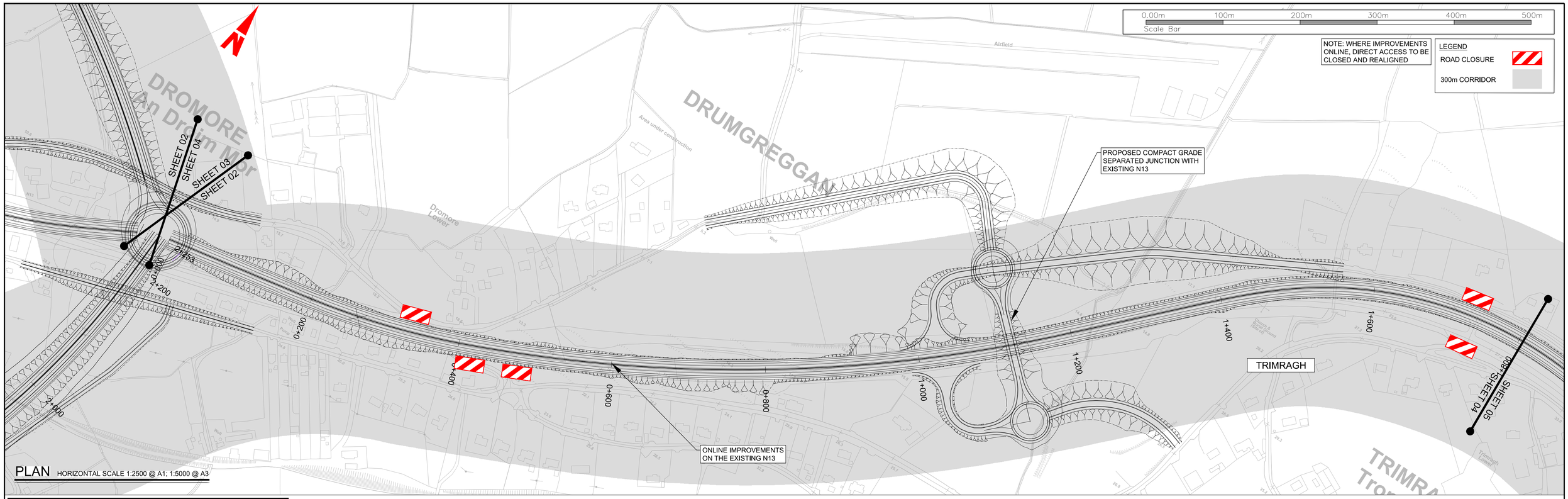
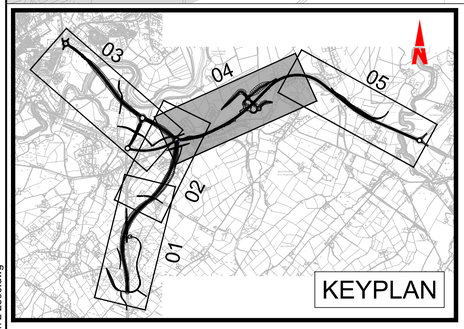
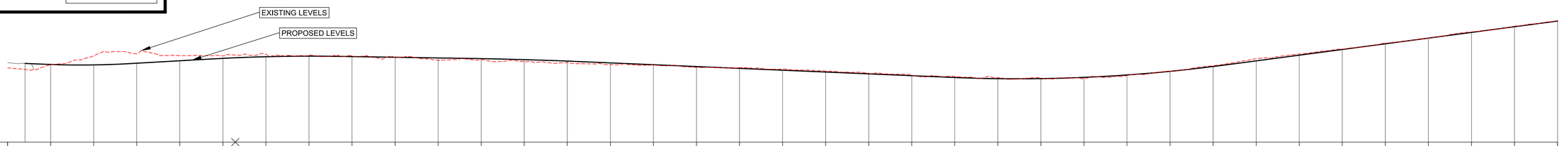


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY



Datum 0.000 m

CHAINAGE	0.000	50.000	100.000	150.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	550.000	600.000	650.000	700.000	750.000	800.000	850.000	900.000	950.000	1000.000	1050.000	1100.000	1150.000	1200.000	1250.000	1300.000	1350.000	1400.000	1450.000	1500.000	1550.000	1600.000	1650.000	1700.000	1750.000	1800.000
EXISTING LEVELS	17.260	17.984	20.068	20.523	20.123	20.065	20.398	20.234	20.073	19.734	19.029	19.157	18.706	18.530	18.041	17.938	17.392	17.313	17.022	16.525	16.018	15.571	15.285	15.012	14.910	14.778	15.481	16.517	17.766	19.402	20.487	21.652	23.010	24.185	25.626	26.991	28.258
PROPOSED LEVELS		18.055	17.957	18.352	18.919	19.479	19.862	19.994	19.890	19.733	19.575	19.414	19.180	18.846	18.429	18.004	17.578	17.153	16.728	16.303	15.878	15.452	15.028	14.760	14.771	15.059	15.625	16.469	17.590	18.906	20.230	21.553	22.876	24.200	25.523	26.846	28.170
HORIZONTAL GEOMETRY		L =154.958			L: 70.000		R: 1020.000 L: 167.289		L: 33.400	R: 1950.000 L: 748.739														L: 36.600	L =142.948		L: 139.960			R: 510.000 L: 614.911						
VERTICAL GEOMETRY		G =-9.816% L =23.619	R =5000.000 K =50.000 L =97.524		G =1.134% L =96.575		R =10000.000 K =100.000 L =144.931		G =-0.315% L =153.934	R =24932.495 K =249.325 L =133.433		G =-0.850% L =426.259								R =9000.000 K =90.000 L =314.742					G =2.647% L =474.775										

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2C PLAN & PROFILE FIGURE 2C SHEET 4 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	P01
Approved: EC	@ A3: AS SHOWN	File Identifier:	
Checked: LH	Sheet: 04 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0022-04	

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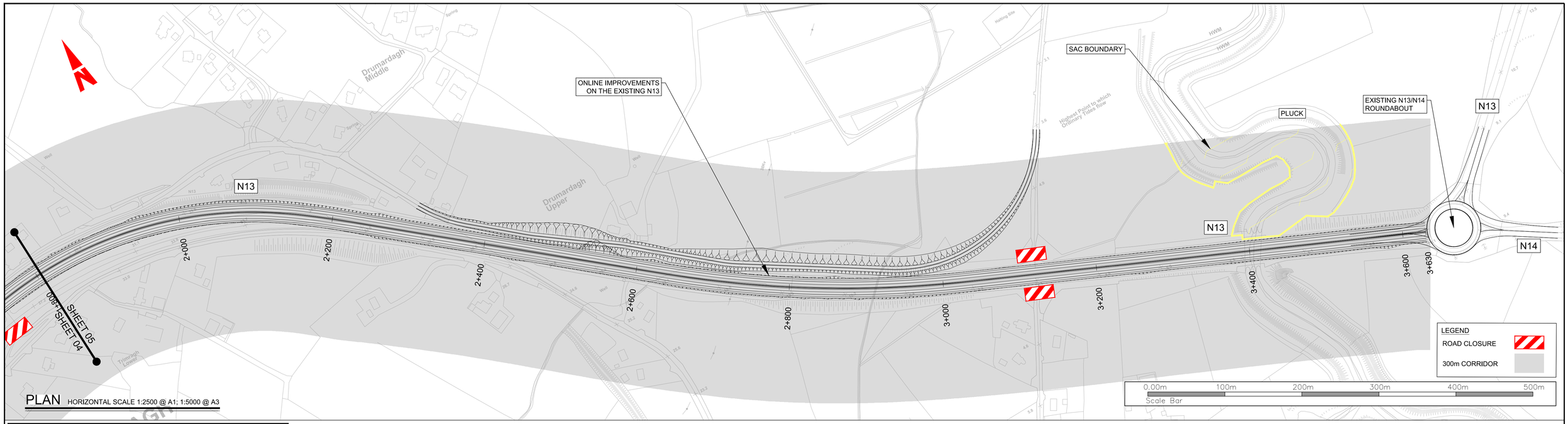
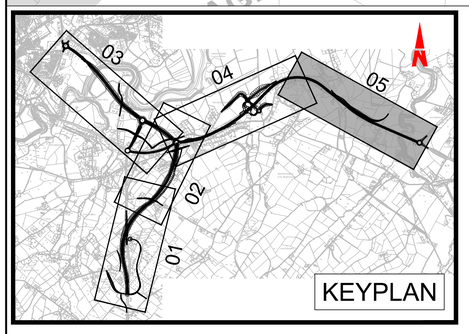
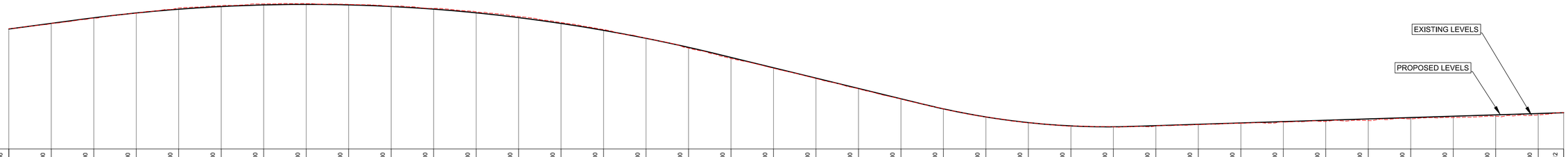


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY



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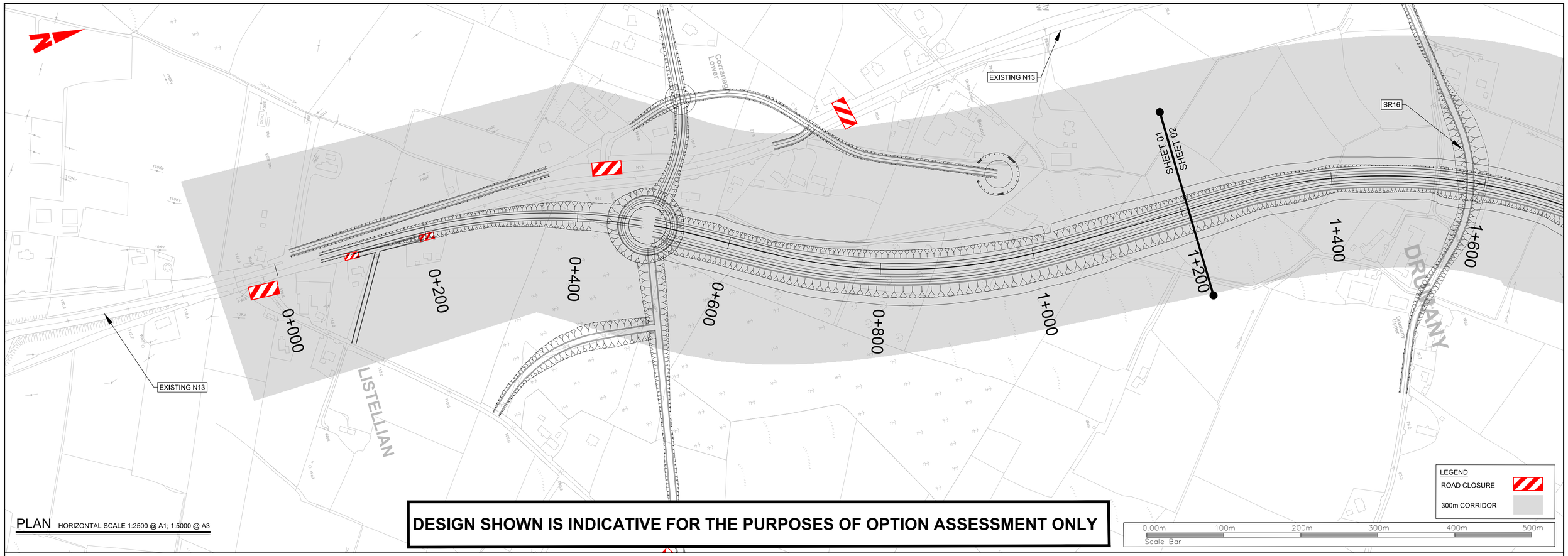
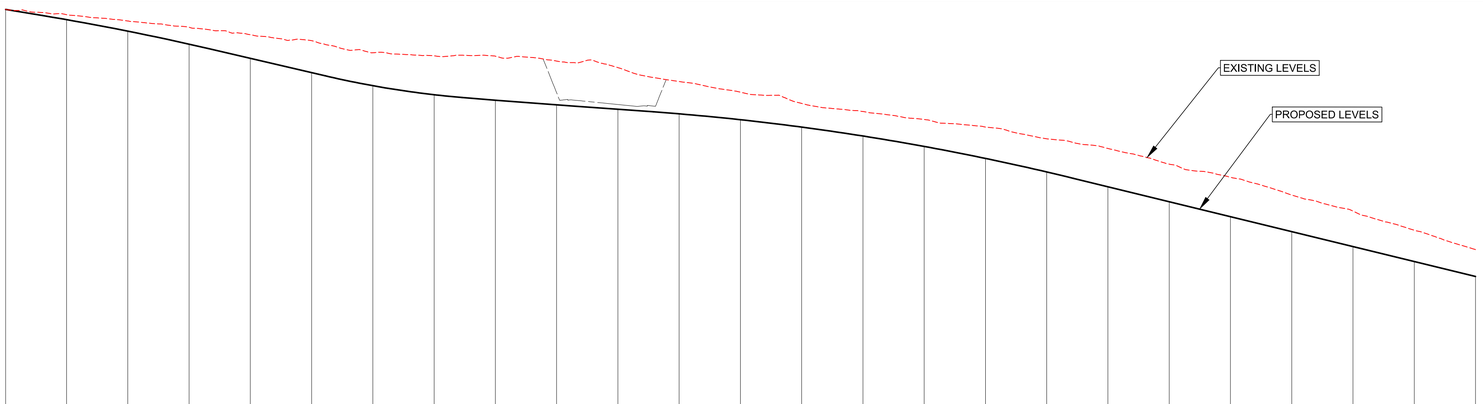
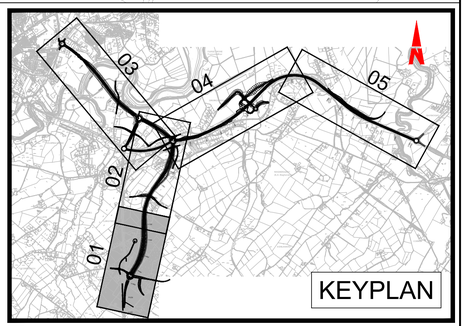


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





Datum 50.000 m

	00.000	50.000	100.000	150.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	550.000	600.000	650.000	700.000	750.000	800.000	850.000	900.000	950.000	1000.000	1050.000	1100.000	1150.000	1200.000
CHAINAGE																									
EXISTING LEVELS	116.474	115.608	114.581	113.550	112.343	111.372	109.382	108.889	108.839	108.036	106.971	104.707	102.963	101.126	99.803	98.506	97.271	95.358	93.774	91.215	89.062	86.173	83.560	80.429	77.272
PROPOSED LEVELS		114.800	112.923	110.797	108.478	106.147	104.019	102.549	101.655	100.907	100.175	99.428	98.472	97.266	95.811	94.105	92.149	89.943	87.527	85.087	82.646	80.206	77.766	75.326	72.885
HORIZONTAL GEOMETRY		L =56.968	L: 99.000	R: 720.000 L: 309.739							L: 99.000		L =39.250	L: 99.000		R: 720.000 L: 277.365			L: 99.000				L =138.122		
VERTICAL GEOMETRY		G =-3.308% L =30.192	R =10000.000 K =100.000 L =135.433	G =-4.662% L =95.359			R =3700.000 K =37.000 L =111.558	G =-1.647% L =26.979	G =-1.496% L =64.965		G =-1.450% L =64.151		R =10000.000 K =100.000 L =343.051					G =-4.881% L =1346.046							

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2D PLAN & PROFILE FIGURE 2D SHEET 1 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	P01
Approved: EC	@ A3: AS SHOWN	File Identifier:	
Checked: LH	Sheet: 01 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0023-01	

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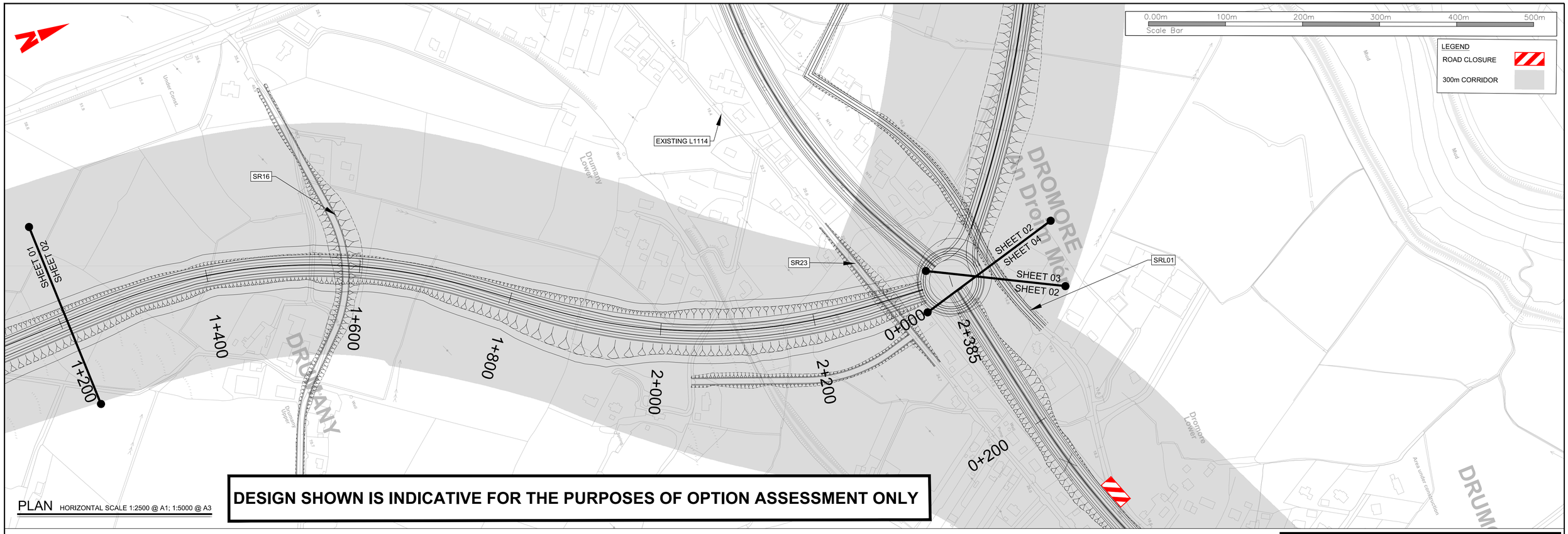
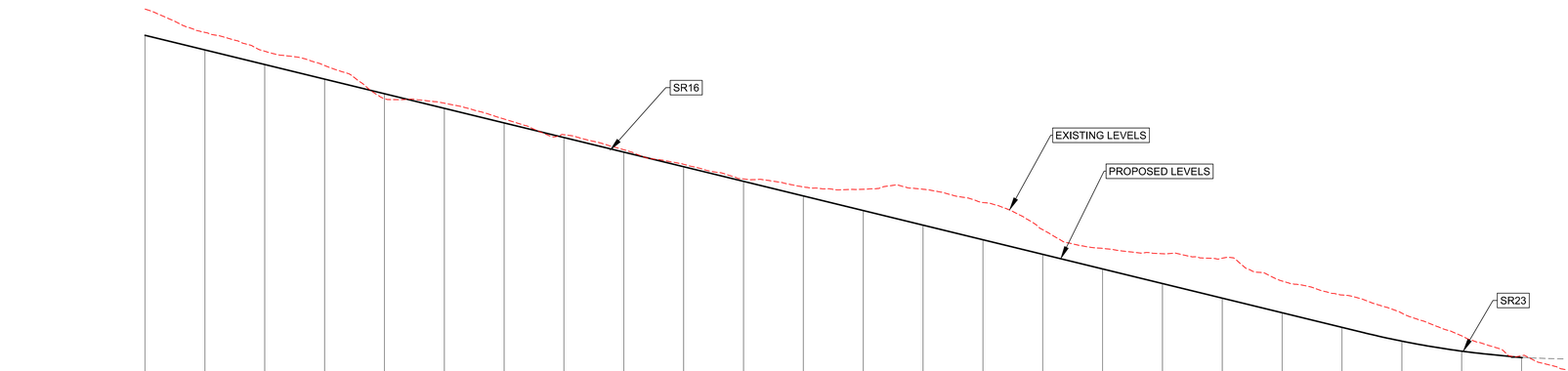


DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY

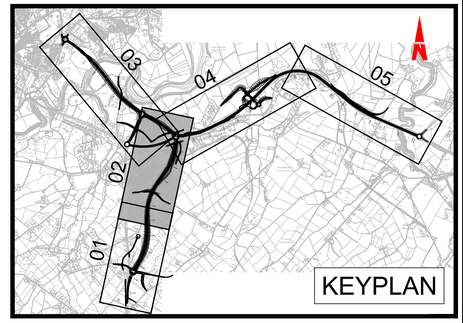
PLAN
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



Datum 10.000 m

CHAINAGE	1200.000	1250.000	1300.000	1350.000	1400.000	1450.000	1500.000	1550.000	1600.000	1650.000	1700.000	1750.000	1800.000	1850.000	1900.000	1950.000	2000.000	2050.000	2100.000	2150.000	2200.000	2250.000	2300.000	2350.000	2386.454
EXISTING LEVELS	77.272	73.385	70.228	67.837	62.303	61.555	58.899	56.278	53.766	51.336	48.878	47.537	47.158	47.159	44.931	40.401	37.281	36.388	35.636	31.821	29.494	26.460	22.657	19.336	17.016
PROPOSED LEVELS	72.885	70.445	68.005	65.564	63.124	60.684	58.243	55.803	53.363	50.923	48.482	46.042	43.602	41.161	38.721	36.281	33.840	31.400	28.960	26.520	24.079	21.778	20.108	19.027	
HORIZONTAL GEOMETRY	L =138.122	L: 99.000	R: 720.000 L: 384.723				L: 99.000	L =1.075	L: 99.000	R: 720.000 L: 322.780				L: 99.000	L =64.463										
VERTICAL GEOMETRY	G =-4.881% L =1346.046																					R =3700.000 K =37.000 L =106.582	G =-2.000% L =26.000		

PROFILE
VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2D PLAN & PROFILE
FIGURE 2D SHEET 2 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier: N/A	Rev: P01
Drawn: LM	Scale @ A1: AS SHOWN		
Approved: EC	@ A3: AS SHOWN	File Identifier: TT_MGT0337-RPS-00-ZZ-DR-D-GE0023-02	
Checked: LH	Sheet: 02 of 05		

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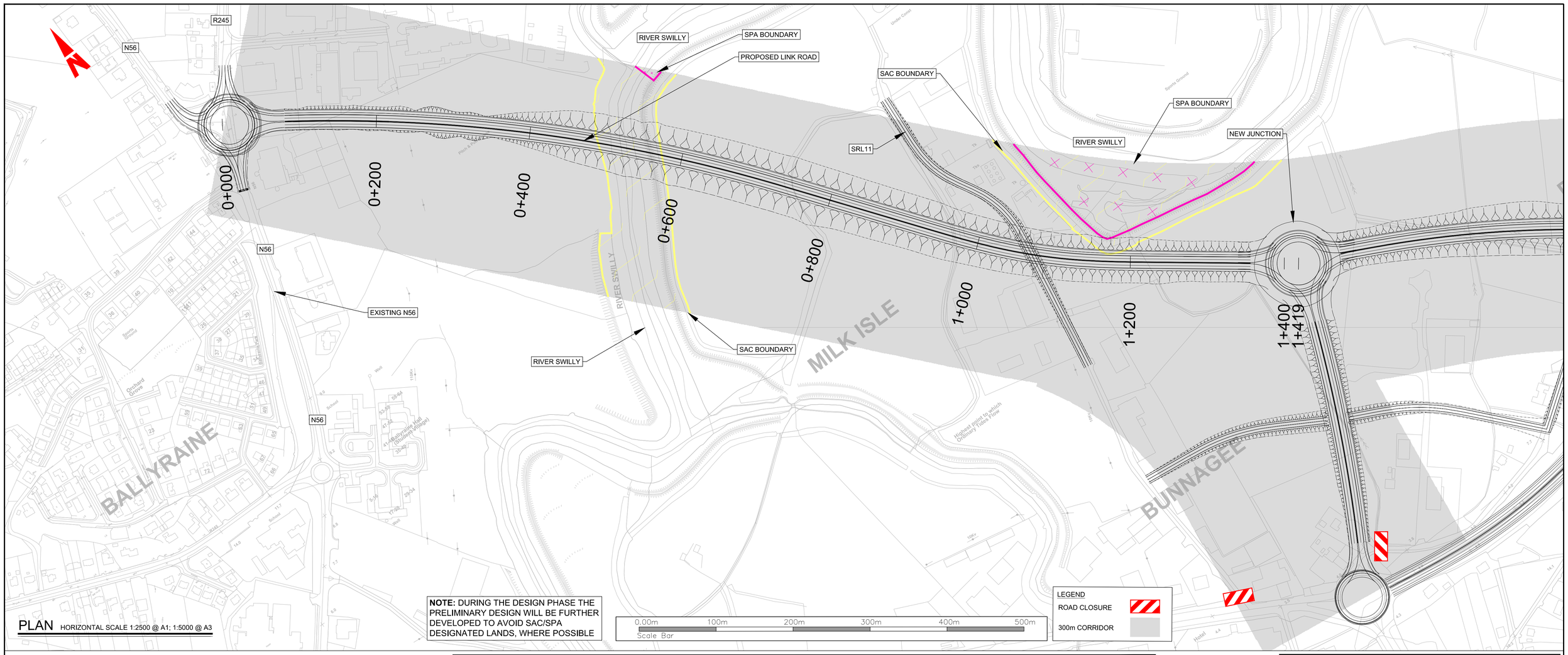

NOTE: DURING THE DESIGN PHASE THE PRELIMINARY DESIGN WILL BE FURTHER DEVELOPED TO AVOID SAC/SPA DESIGNATED LANDS, WHERE POSSIBLE

0.00m 100m 200m 300m 400m 500m
Scale Bar

LEGEND
ROAD CLOSURE
300m CORRIDOR

PLAN
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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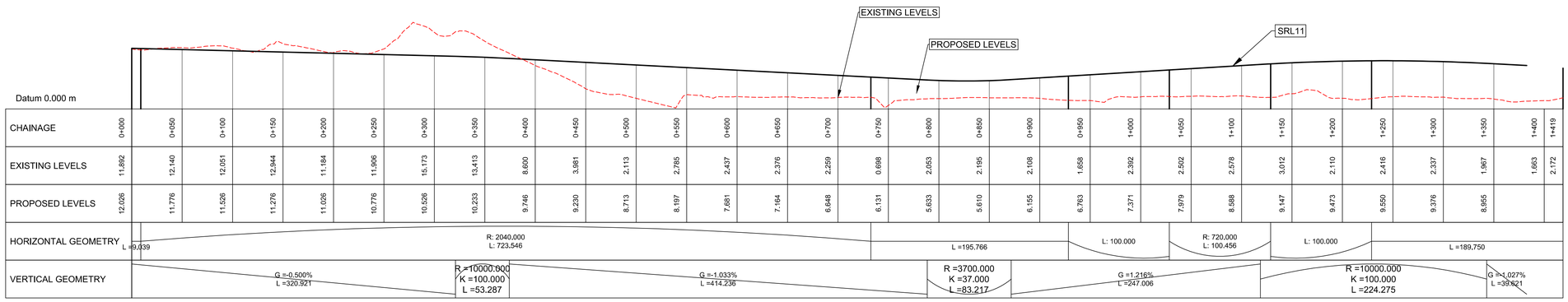

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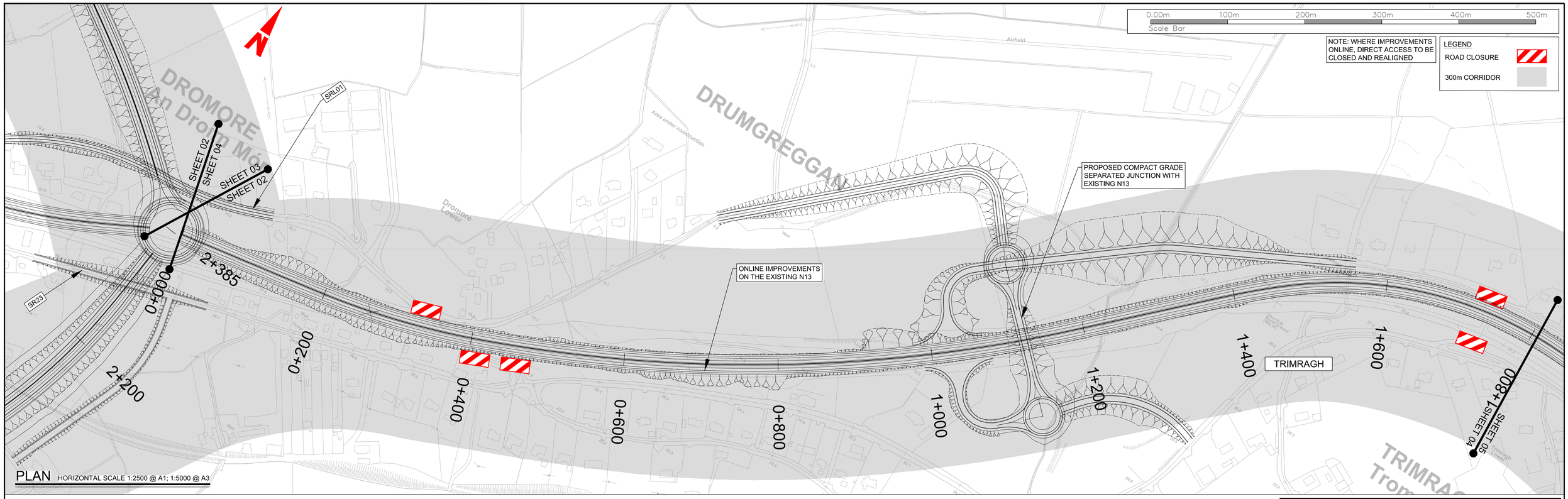
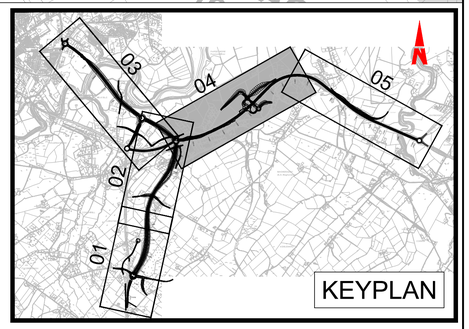
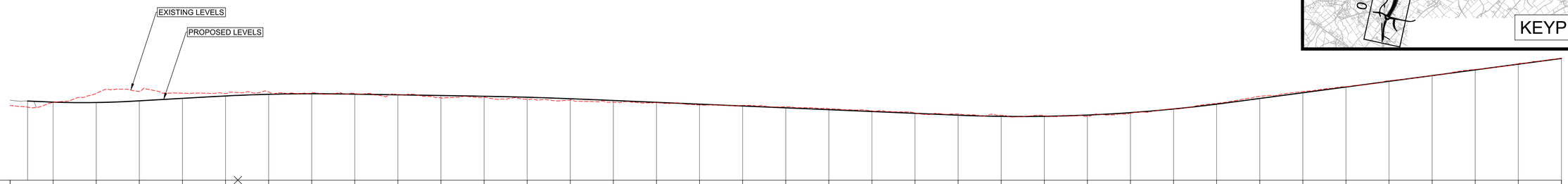


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





Datum 0.000 m

CHAINAGE	00.000	50.000	100.000	150.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	550.000	600.000	650.000	700.000	750.000	800.000	850.000	900.000	950.000	1000.000	1050.000	1100.000	1150.000	1200.000	1250.000	1300.000	1350.000	1400.000	1450.000	1500.000	1550.000	1600.000	1650.000	1700.000	1750.000	1800.000
EXISTING LEVELS	17.260	17.984	20.068	20.523	20.123	20.065	20.398	20.234	20.073	19.734	19.029	19.157	18.706	18.530	18.041	17.938	17.392	17.313	17.022	16.525	16.018	15.571	15.285	15.012	14.910	14.778	15.481	16.517	17.766	19.402	20.487	21.652	23.010	24.185	25.626	26.991	28.258
PROPOSED LEVELS		18.055	17.957	18.352	18.919	19.479	19.862	19.994	19.890	19.733	19.575	19.414	19.180	18.846	18.429	18.004	17.578	17.153	16.728	16.303	15.878	15.452	15.028	14.760	14.771	15.059	15.625	16.469	17.590	18.906	20.230	21.553	22.876	24.200	25.523	26.846	28.170
HORIZONTAL GEOMETRY		L =154.958			L: 70.000		R: 1020.000 L: 167.289		L: 33.400	R: 1950.000 L: 748.739															L: 36.600	L =142.948		L: 139.960		R: 510.000 L: 614.911							
VERTICAL GEOMETRY		G =-0.816% L =23.619	R =5000.000 K =50.000 L =97.524	G =1.134% L =96.575			R =10000.000 K =100.000 L =144.931		G =-0.315% L =153.934		R =24932.495 K =249.325 L =133.433		G =-0.850% L =426.259										R =9000.000 K =90.000 L =314.742						G =2.647% L =474.775							

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2D PLAN & PROFILE FIGURE 2D SHEET 4 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	P01
Approved: EC	@ A3: AS SHOWN	File Identifier:	
Checked: LH	Sheet: 04 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0023-04	

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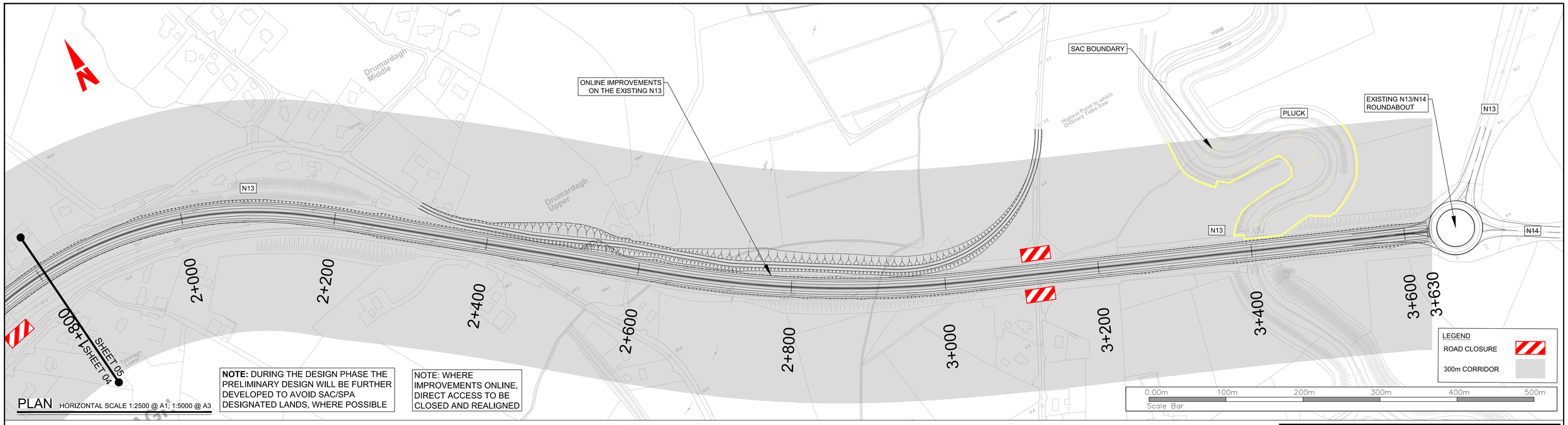
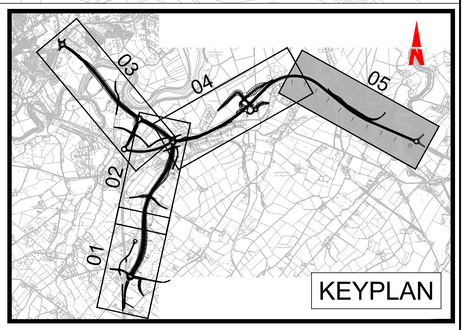


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

NOTE: DURING THE DESIGN PHASE THE PRELIMINARY DESIGN WILL BE FURTHER DEVELOPED TO AVOID SAC/SPA DESIGNATED LANDS, WHERE POSSIBLE

NOTE: WHERE IMPROVEMENTS ONLINE, DIRECT ACCESS TO BE CLOSED AND REALIGNED

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY



Datum 0.000 m

CHAINAGE	1800.000	1850.000	1900.000	1950.000	2000.000	2050.000	2100.000	2150.000	2200.000	2250.000	2300.000	2350.000	2400.000	2450.000	2500.000	2550.000	2600.000	2650.000	2700.000	2750.000	2800.000	2850.000	2900.000	2950.000	3000.000	3050.000	3100.000	3150.000	3200.000	3250.000	3300.000	3350.000	3400.000	3450.000	3500.000	3550.000	3600.000	3630.012
EXISTING LEVELS	28.258	29.456	30.715	31.872	33.114	33.666	34.064	34.135	33.954	33.550	33.021	32.228	31.130	29.689	28.043	25.987	23.676	21.235	18.937	16.536	14.127	11.710	9.405	7.504	6.145	5.349	5.192	5.398	5.711	6.037	6.273	6.445	6.658	7.063	7.368	7.663	8.004	8.509
PROPOSED LEVELS	28.170	29.493	30.807	31.936	32.815	33.443	33.822	33.951	33.830	33.459	32.838	31.967	30.846	29.475	27.853	25.982	23.861	21.489	19.069	16.639	14.210	11.780	9.408	7.514	6.181	5.408	5.195	5.456	5.774	6.092	6.410	6.728	7.046	7.364	7.682	8.000	8.318	8.509
HORIZONTAL GEOMETRY		R: 510.000 L: 614.911						L: 139.960			L =361.442							L: 50.000		R: 1440.000 L: 342.329						L: 50.000			L =577.476								
VERTICAL GEOMETRY		G =2.647% L =474.775				R =10000.000 K =100.000 L =750.618													G =-4.859% L =240.477				R =4461.229 K =44.612 L =245.159					G =0.636% L =507.649								

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2D PLAN & PROFILE FIGURE 2D SHEET 5 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier: N/A	Rev: P01
Drawn: LM	Scale @ A1: AS SHOWN		
Approved: EC	@ A3: AS SHOWN	File Identifier: TT_MGT0337-RPS-00-ZZ-DR-D-GE0023-05	
Checked: LH	Sheet: 05 of 05		

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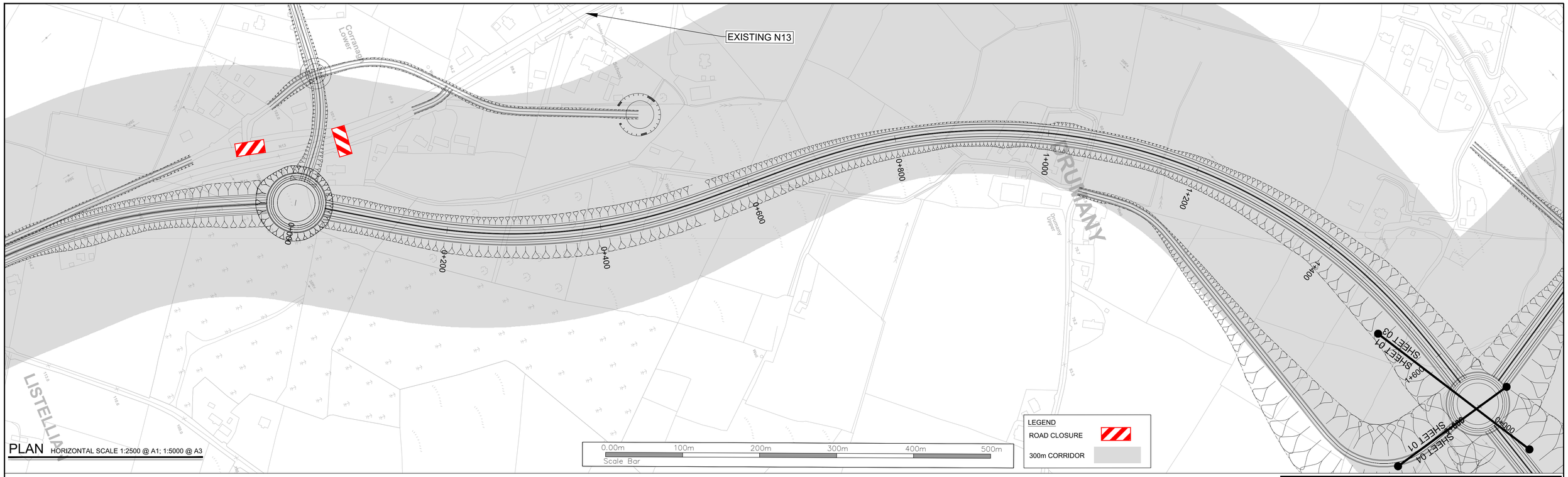
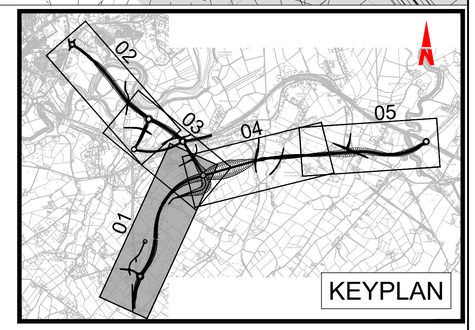
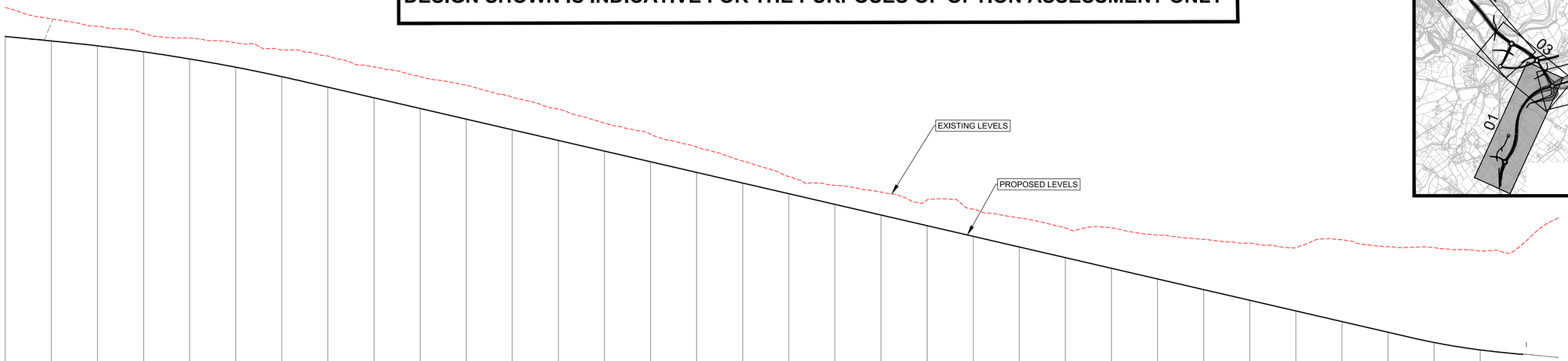


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





Datum 30.000 m

CHAINAGE	00.000	50.000	100.000	150.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	550.000	600.000	650.000	700.000	750.000	800.000	850.000	900.000	950.000	1000.000	1050.000	1100.000	1150.000	1200.000	1250.000	1300.000	1350.000	1400.000	1450.000	1500.000	1550.000	1600.000	1650.000	1684.808
EXISTING LEVELS	107.426	104.955	103.335	101.750	100.824	99.760	98.239	96.903	94.553	92.431	90.535	87.954	85.326	82.369	79.915	77.177	74.108	70.747	68.821	67.369	65.655	63.638	61.757	59.581	59.611	58.004	57.100	56.299	55.339	57.017	55.517	55.330	54.583	56.784	61.737
PROPOSED LEVELS	101.137	100.157	99.098	97.801	96.254	94.457	92.410	90.136	87.823	85.510	83.198	80.885	78.572	76.259	73.946	71.633	69.320	67.007	64.694	62.381	60.068	57.756	55.443	53.130	50.817	48.504	46.191	43.878	41.565	39.252	36.939	34.723	33.110		
HORIZONTAL GEOMETRY		L =97.167		L: 100.000		R: 720.000 L: 293.972						L: 100.000		L =28.531	L: 100.000				R: 720.000 L: 806.222															L: 100.000		L =58.916
VERTICAL GEOMETRY		G =1.946% L =36.000	G =2.000% L =29.695			R =10000.000 K =100.000 L =262.582															G =-4.626% L =1195.059														R =3700.000 K =37.000 L =97.155	G =-2.000% L =25.468	

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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P02.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2E PLAN & PROFILE
FIGURE 2E SHEET 1 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	P02:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	
Approved: EC	@ A3: AS SHOWN	File Identifier:	P01
Checked: TP	Sheet: 01 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0024-01	

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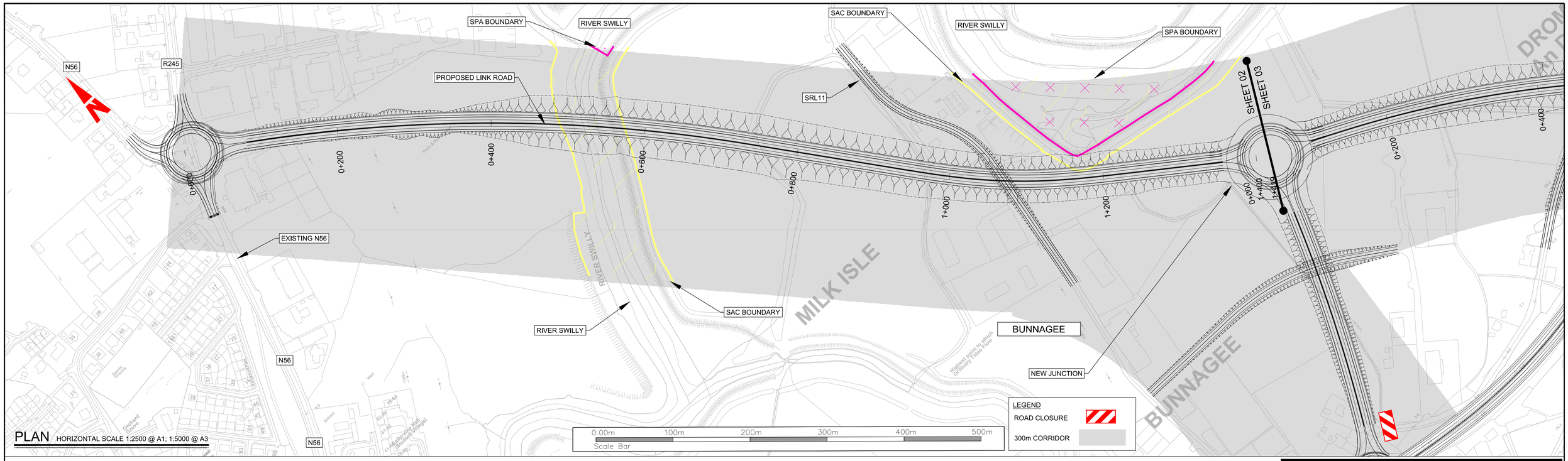
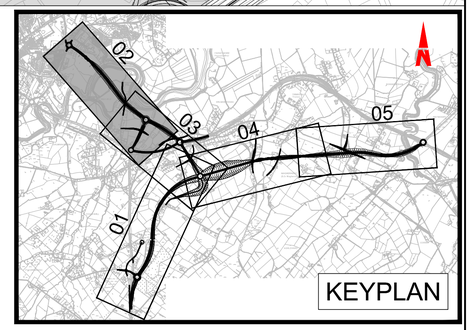


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY



CHAINAGE	0+000	0+050	0+100	0+150	0+200	0+250	0+300	0+350	0+400	0+450	0+500	0+550	0+600	0+650	0+700	0+750	0+800	0+850	0+900	0+950	1+000	1+050	1+100	1+150	1+200	1+250	1+300	1+350	1+400	1+419
EXISTING LEVELS	11.892	12.140	12.051	12.944	11.184	11.906	15.173	13.413	8.600	3.981	2.113	2.785	2.437	2.376	2.259	0.698	2.053	2.195	2.108	1.658	2.392	2.502	2.678	3.012	2.110	2.416	2.337	1.967	1.663	2.172
PROPOSED LEVELS	12.026	11.776	11.526	11.276	11.026	10.776	10.526	10.233	9.746	9.230	8.713	8.197	7.681	7.164	6.648	6.131	5.633	5.610	6.155	6.763	7.371	7.979	8.588	9.147	9.473	9.550	9.376	8.955		
HORIZONTAL GEOMETRY	L =9.039	R: 2040.000 L: 723.546														L =195.766				L: 100.000		R: 720.000 L: 100.456		L: 100.000		L =189.750				
VERTICAL GEOMETRY	G =-0.500% L =320.921							R =10000.000 K =100.000 L =53.287		G =-1.033% L =414.236							R =3700.000 K =37.000 L =83.217		G =1.216% L =247.006					R =10000.000 K =100.000 L =224.275				G =-1.027% L =39.621	

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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P02.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2E PLAN & PROFILE FIGURE 2E SHEET 2 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	P02:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	
Approved: EC	@ A3: AS SHOWN	File Identifier:	P01
Checked: TP	Sheet: 02 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0024-02	

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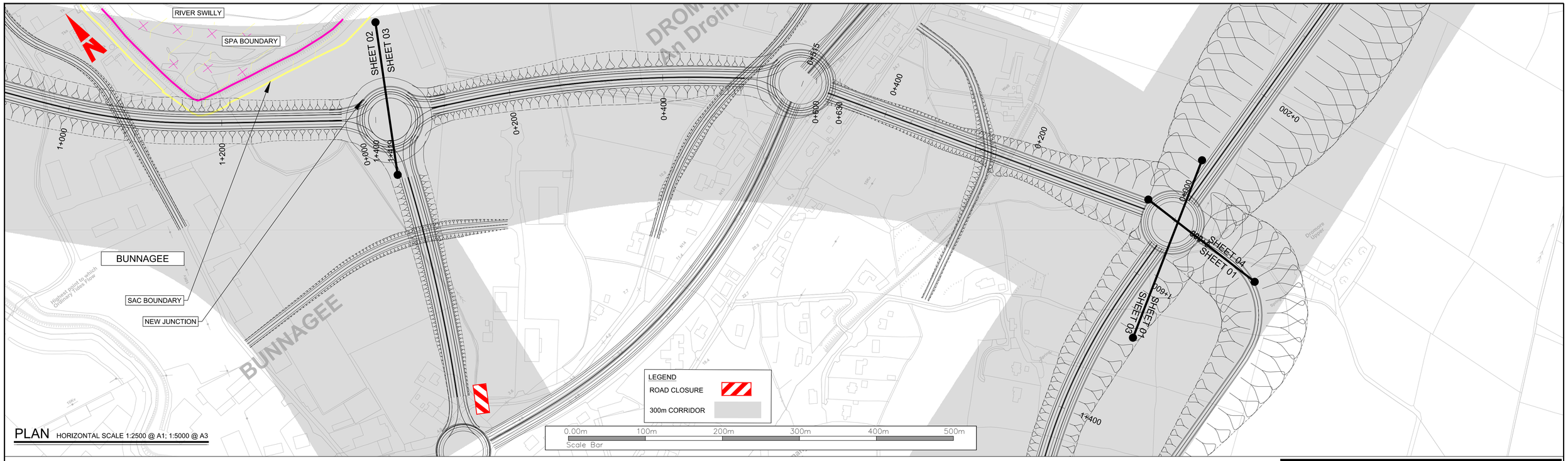
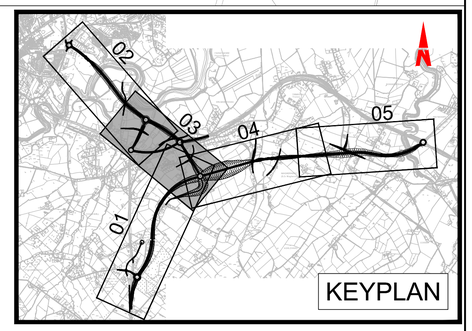
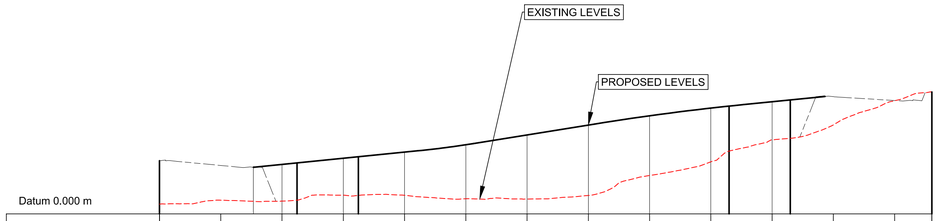


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

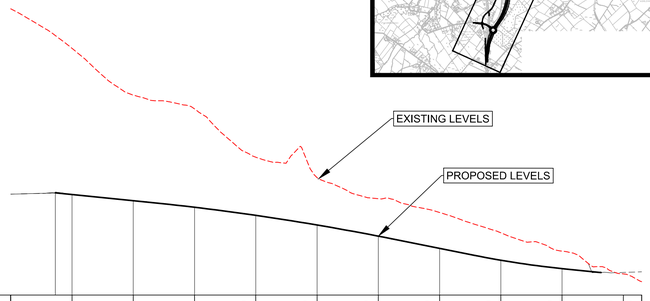
DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





Datum 0.000 m

CHAINAGE	0+000	0+050	0+100	0+150	0+200	0+250	0+300	0+350	0+400	0+450	0+500	0+550	0+600	0+630
EXISTING LEVELS	1.587	2.219	2.068	3.039	3.025	2.463	2.408	2.992	6.251	8.485	12.073	14.516	18.455	19.886
PROPOSED LEVELS			8.070	9.070	10.070	11.273	12.877	14.487	15.995	17.255	18.291			
HORIZONTAL GEOMETRY		L =112.261		L: 50.000		R: 1440.000 L: 302.603					L: 50.000		L =115.572	
VERTICAL GEOMETRY			G =2.000% L =134.606		R =3700.000 K =37.000 L =45.113	G =3.219% L =98.654		R =10000.000 K =100.000 L =121.926			G =2.000% L =66.285			



Datum 15.000 m

CHAINAGE	00.000	50.000	100.000	150.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	514.926
EXISTING LEVELS	61.719	55.261	47.624	45.365	37.486	34.168	30.725	28.475	25.154	22.164	18.445	17.186
PROPOSED LEVELS		31.398	30.398	29.321	28.000	26.429	24.608	22.613	20.677	19.307		
HORIZONTAL GEOMETRY												
VERTICAL GEOMETRY		G =-2.000% L =74.756	R =10000.000 K =100.000 L =200.000					G =-4.000% L =67.816	R =3700.000 K =37.000 L =74.000		G =-2.000% L =29.407	

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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P02.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2E PLAN & PROFILE
FIGURE 2E SHEET 3 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	P02:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	
Approved: EC	@ A3: AS SHOWN	File Identifier:	P01
Checked: TP	Sheet: 03 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0024-03	

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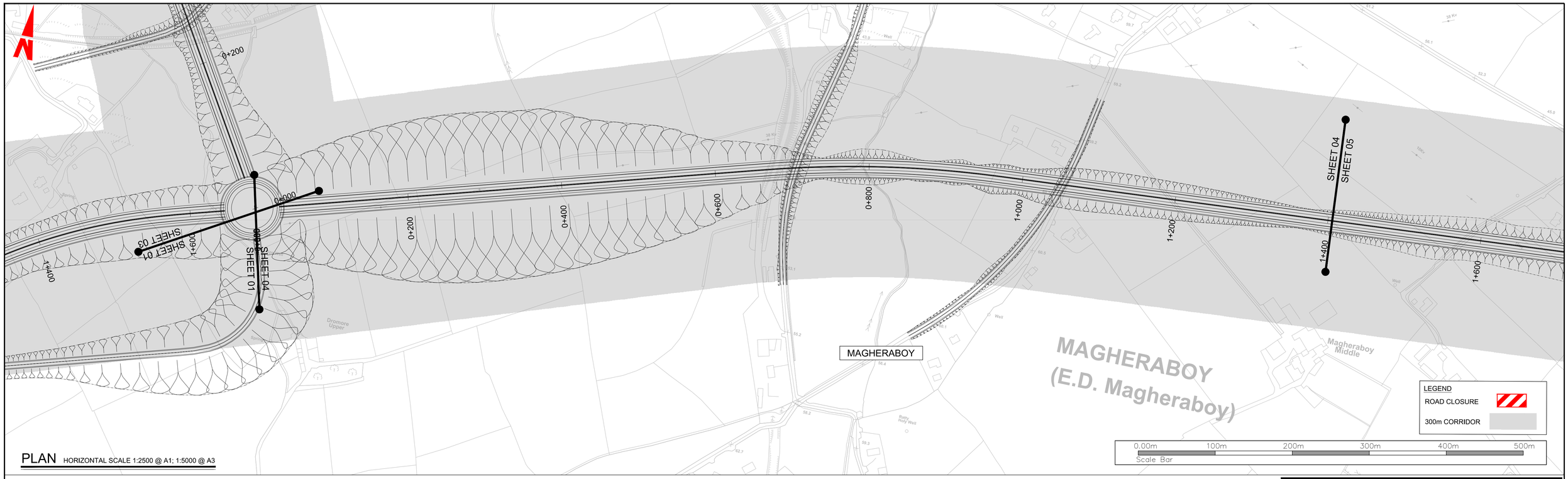
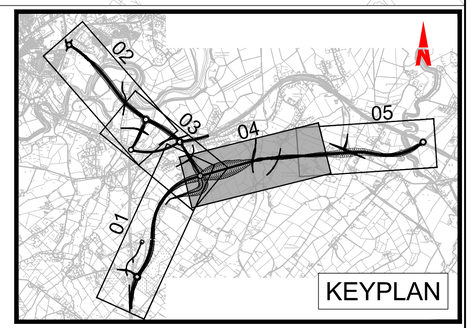
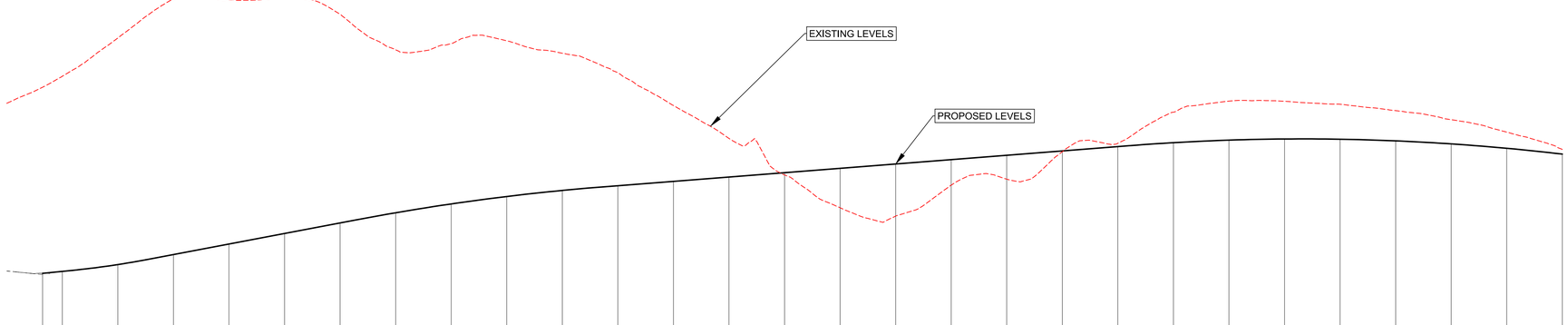


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





Datum 20.000 m

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EXISTING LEVELS	61.624	66.486	73.380	80.421	80.275	80.779	77.636	71.254	72.352	72.868	70.639	67.123	61.228	55.322	48.751	42.845	41.367	46.920	47.987	52.937	54.443	60.041	62.017	62.000	61.464	60.305	58.680	56.459	53.321
PROPOSED LEVELS		31.413	32.638	34.445	36.336	38.228	40.120	41.948	43.537	44.877	45.966	46.814	47.596	48.377	49.159	49.940	50.722	51.504	52.285	53.067	53.849	54.550	55.007	55.214	55.171	54.878	54.334	53.541	52.498
HORIZONTAL GEOMETRY		L =642.564													L: 50.000	R: 1440.000 L: 250.570					L: 50.000	L =1021.921							
VERTICAL GEOMETRY		G =2.000% L =26.944	R =3700.000 K =37.000 L =65.980	G =3.783% L =189.381	R =10000.000 K =100.000 L =222.000	G =1.563% L =473.532	R =10000.000 K =100.000 L =556.323																						

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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P02.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2E PLAN & PROFILE
FIGURE 2E SHEET 4 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	P02:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	
Approved: EC	@ A3: AS SHOWN	File Identifier:	P01
Checked: TP	Sheet: 04 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0024-04	

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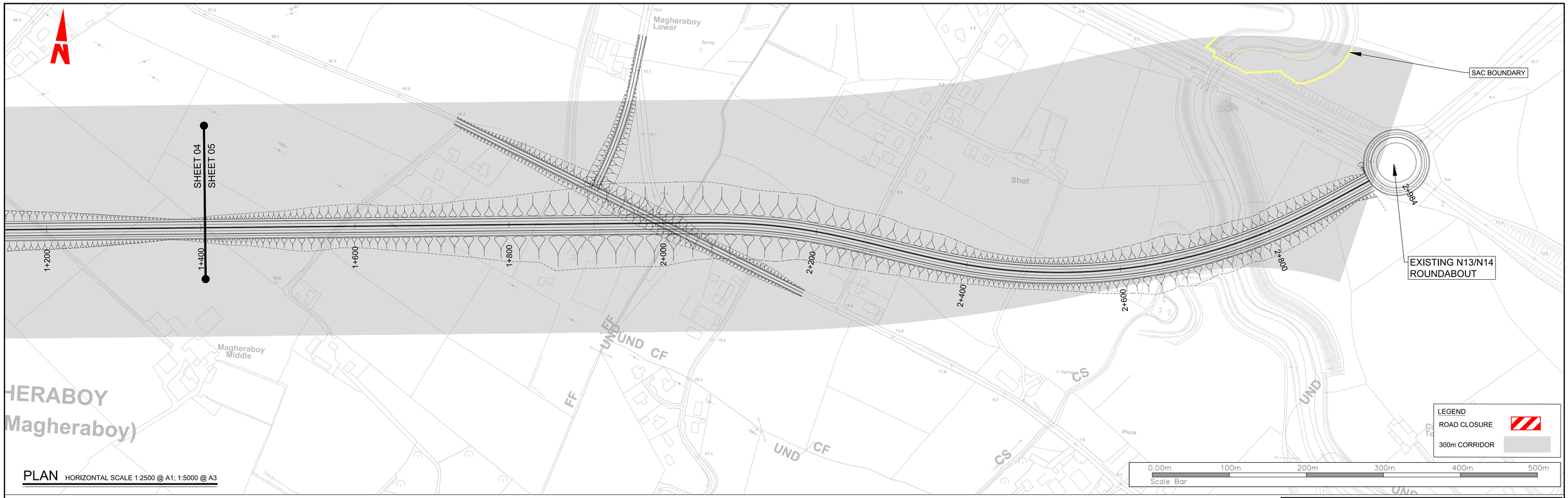
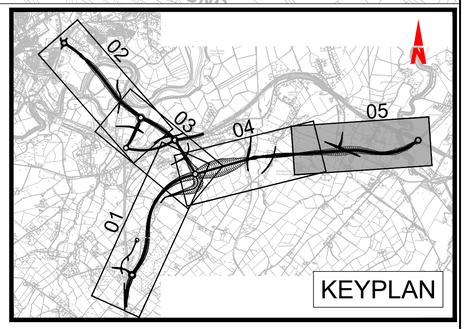
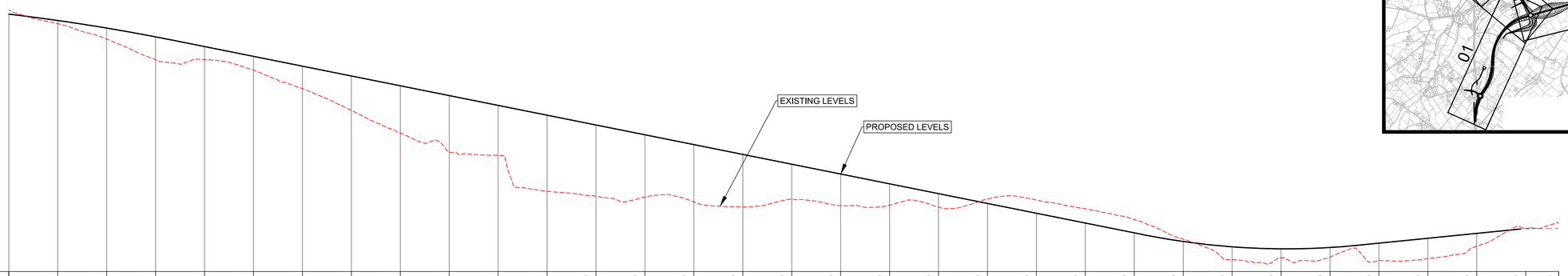


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





Datum 0.000 m

CHAINAGE	1400.000	1450.000	1500.000	1550.000	1600.000	1650.000	1700.000	1750.000	1800.000	1850.000	1900.000	1950.000	2000.000	2050.000	2100.000	2150.000	2200.000	2250.000	2300.000	2350.000	2400.000	2450.000	2500.000	2550.000	2600.000	2650.000	2700.000	2750.000	2800.000	2850.000	2900.000	2950.000	2983.665
EXISTING LEVELS	53.321	50.544	47.412	43.198	43.257	41.101	37.311	32.890	28.236	24.380	23.694	16.389	15.343	15.211	14.198	13.213	14.797	13.404	13.539	13.138	14.778	14.581	12.782	10.597	6.600	2.430	2.781	2.940	2.221	2.656	5.162	8.795	9.941
PROPOSED LEVELS	52.498	51.205	49.662	47.869	45.882	43.882	41.882	39.882	37.882	35.882	33.882	31.882	29.882	27.882	25.882	23.882	21.882	19.882	17.882	15.882	13.882	11.882	9.882	7.882	6.128	5.042	4.632	4.898	5.781	6.780	7.778		
HORIZONTAL GEOMETRY		L =1021.921												L: 100.000		R: 720.000 L: 78.644		L: 100.000	L =4.750	L: 100.000		R: 720.000 L: 429.844							L: 100.000		L =55.372
VERTICAL GEOMETRY		R =10000.000 K =100.000 L =556.323				G =-4.000% L =990.975																				R =3700.000 K =37.000 L =221.904				G =1.997% L =165.478		

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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P02.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2E PLAN & PROFILE
FIGURE 2E SHEET 5 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	P02:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	
Approved: EC	@ A3: AS SHOWN	File Identifier:	P01
Checked: TP	Sheet: 05 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0024-05	

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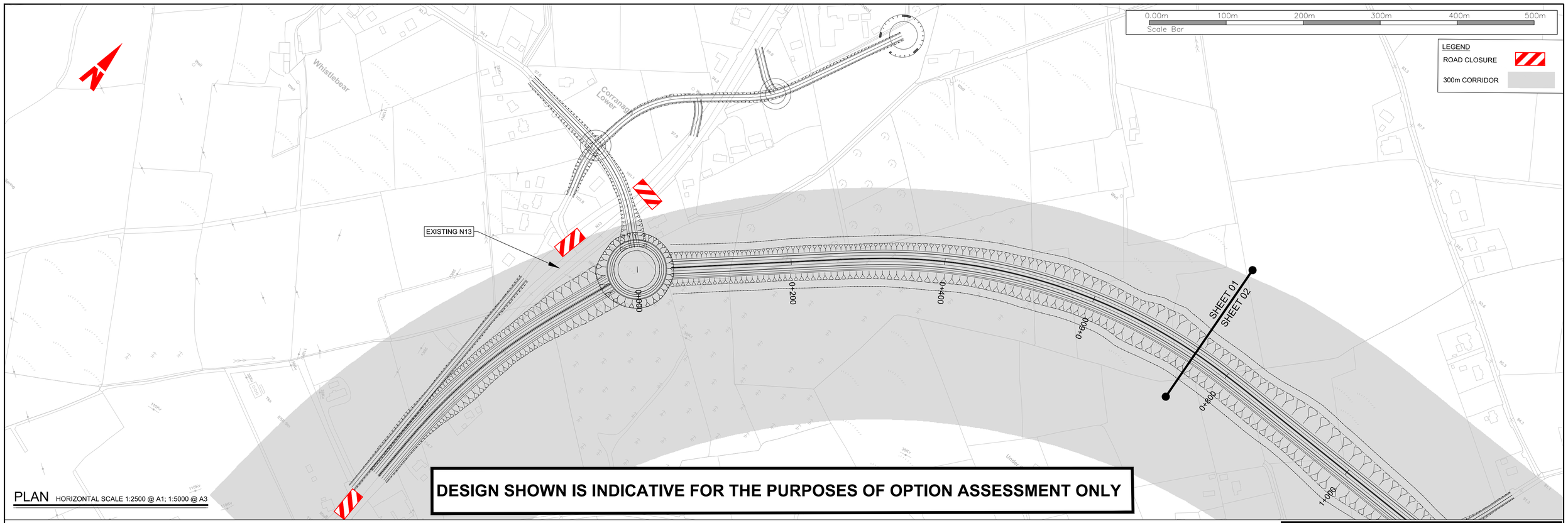
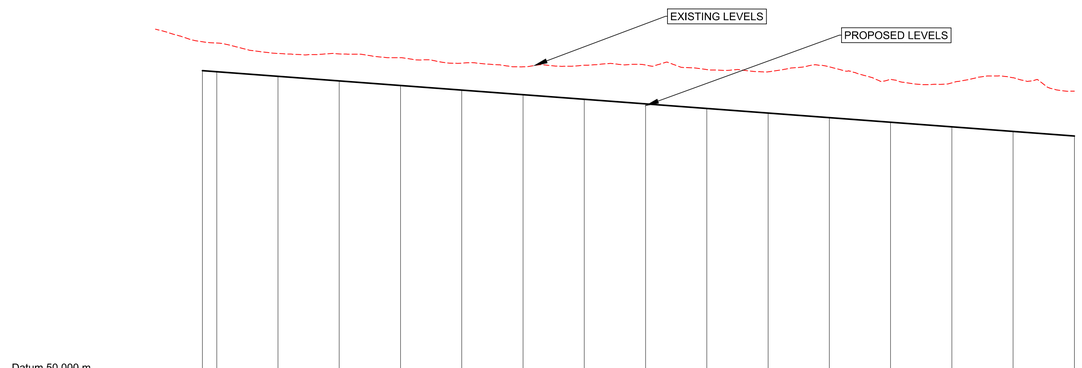


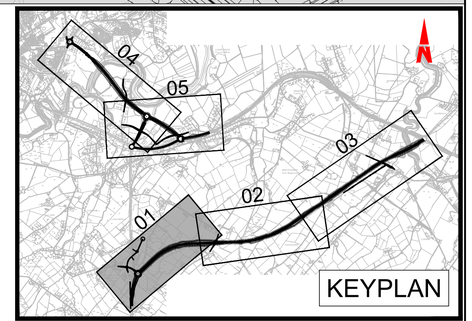
PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



Datum 50.000 m

CHAINAGE	00.000	50.000	100.000	150.000	200.000	250.000	300.000	350.000	400.000	450.000	500.000	550.000	600.000	650.000	700.000	750.000
EXISTING LEVELS	107.342	105.079	103.379	103.298	102.700	101.797	101.200	101.465	101.486	100.745	100.380	101.196	99.155	98.579	98.416	97.241
PROPOSED LEVELS		100.398	99.648	98.898	98.148	97.398	96.648	95.898	95.148	94.398	93.648	92.898	92.148	91.398	90.648	89.898
HORIZONTAL GEOMETRY		L =236.671					L: 100.000		R: 720.000 L: 423.322							
VERTICAL GEOMETRY		G =-1.500% L =956.334														

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	11.11.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2F1 PLAN & PROFILE
FIGURE 2F1 SHEET 1 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	
Approved: EC	@ A3: AS SHOWN	File Identifier:	P01
Checked: TP	Sheet: 01 of 05	TT_MGT03327-RPS-00-ZZ-DR-D-GE0025-01	

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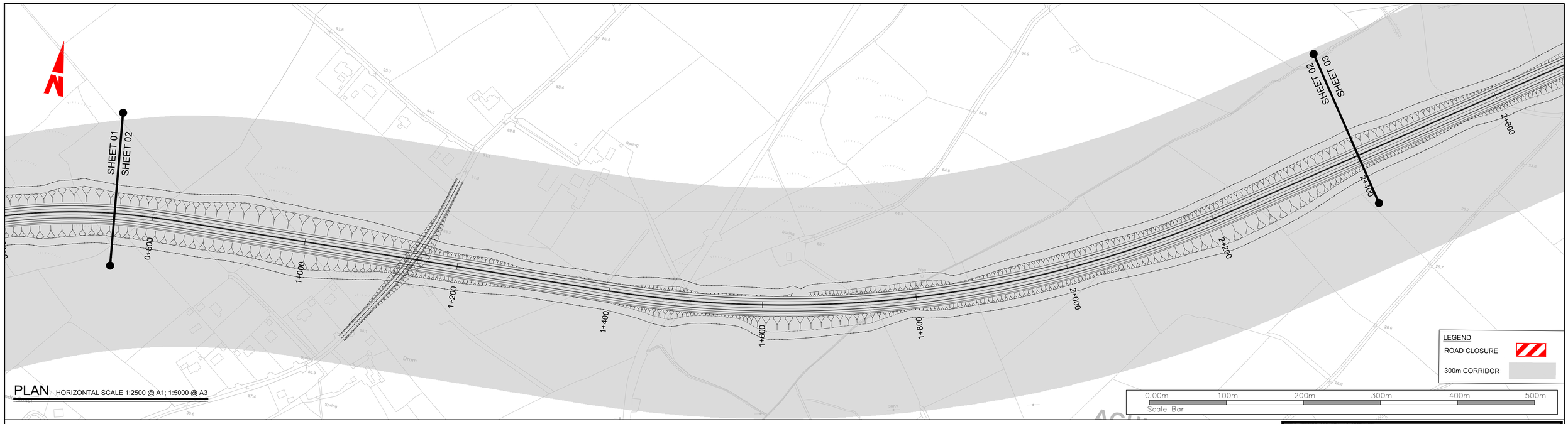
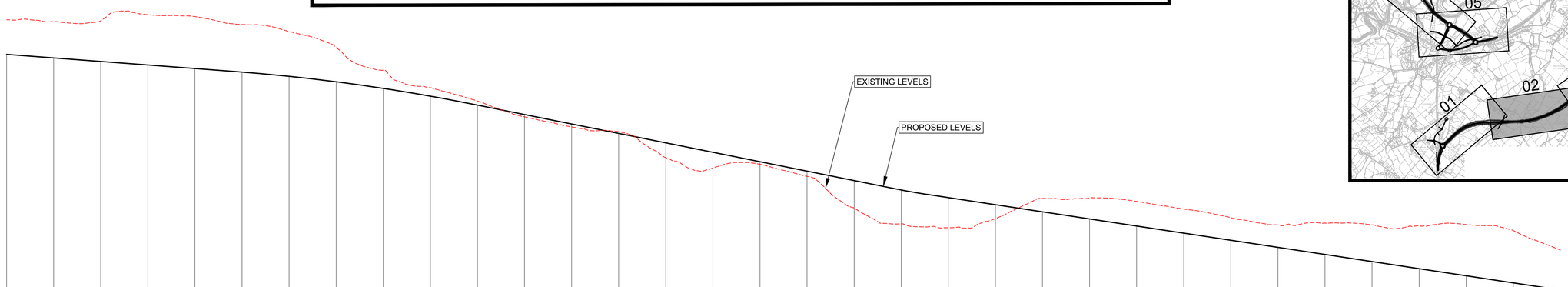


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

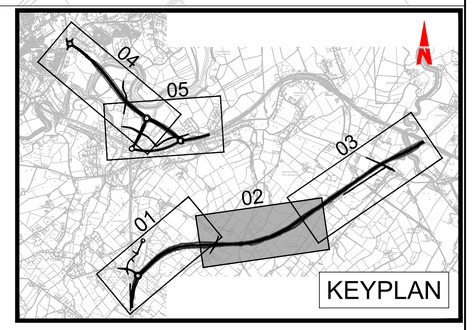
DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY



Datum 25.000 m

CHAINAGE	750.000	800.000	850.000	900.000	950.000	1000.000	1050.000	1100.000	1150.000	1200.000	1250.000	1300.000	1350.000	1400.000	1450.000	1500.000	1550.000	1600.000	1650.000	1700.000	1750.000	1800.000	1850.000	1900.000	1950.000	2000.000	2050.000	2100.000	2150.000	2200.000	2250.000	2300.000	2350.000	2400.000
EXISTING LEVELS	97.241	96.850	97.038	98.319	97.918	96.225	94.761	91.374	86.540	82.848	80.018	76.651	74.509	73.505	67.996	65.788	66.587	64.034	57.316	53.953	53.137	55.039	59.339	59.433	58.720	57.100	55.259	53.718	54.106	53.735	53.584	53.793	52.531	48.412
PROPOSED LEVELS	89.898	88.148	88.398	87.648	86.898	86.146	85.244	84.092	82.690	81.038	79.138	77.138	75.138	73.138	71.138	69.138	67.138	65.138	63.138	61.144	59.517	58.010	56.502	54.995	53.487	51.980	50.472	48.965	47.457	45.950	44.442	42.935	41.427	39.920
HORIZONTAL GEOMETRY		R: 120.000 L: 423.322	L: 100.000	L =512.209												L: 50.000					R: 1440.000 L: 777.473										L: 50.000	L =1206.604		
VERTICAL GEOMETRY		G =-1.500% L =956.334				R =10000.000 K =100.000 L =250.000						G =-4.000% L =448.648									R =3700.000 K =37.000 L =36.448	G =-3.015% L =1664.488												

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	11.11.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2F1 PLAN & PROFILE
FIGURE 2F1 SHEET 2 OF 5

Status: S4

Designed: DC | Date: AUG 18 | Model File Identifier: N/A | Rev: P01
Drawn: LM | Scale @ A1: AS SHOWN
Approved: EC | @ A3: AS SHOWN | File Identifier: TT_MGT03327-RPS-00-ZZ-DR-D-GE0025-02
Checked: TP | Sheet: 02 of 05

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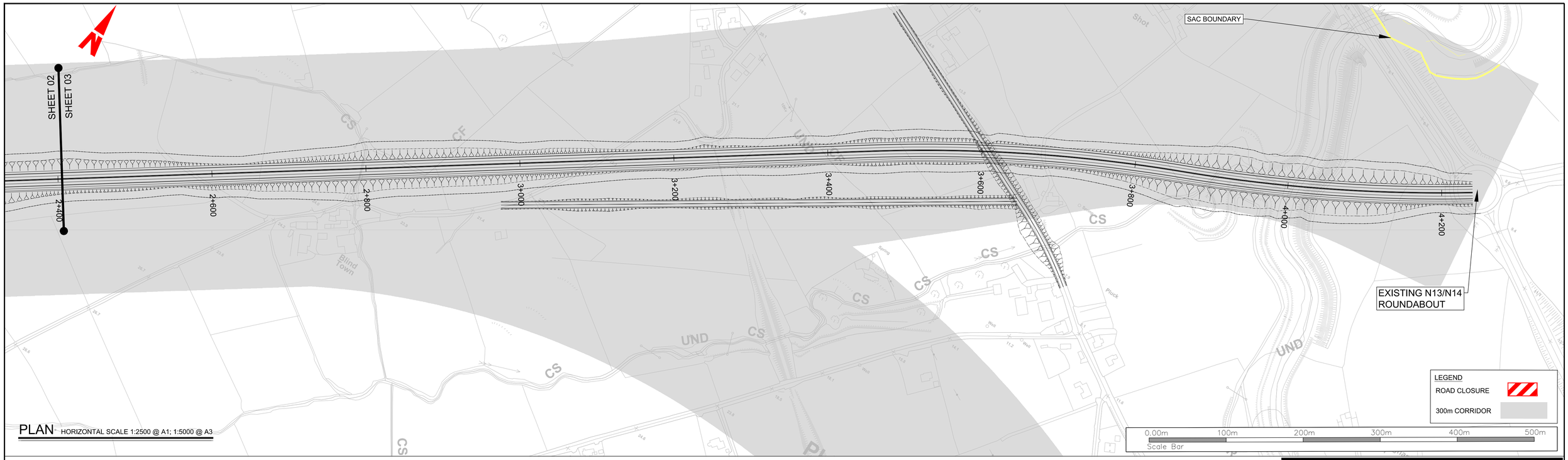
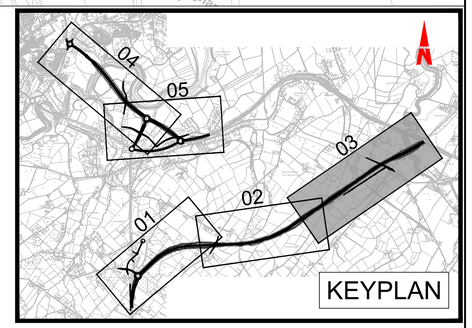
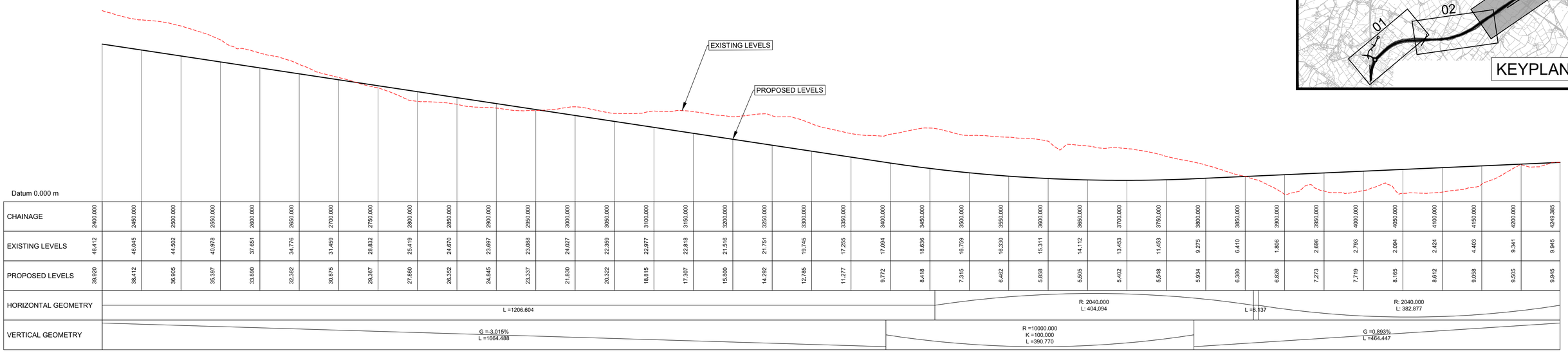


PLAN - HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





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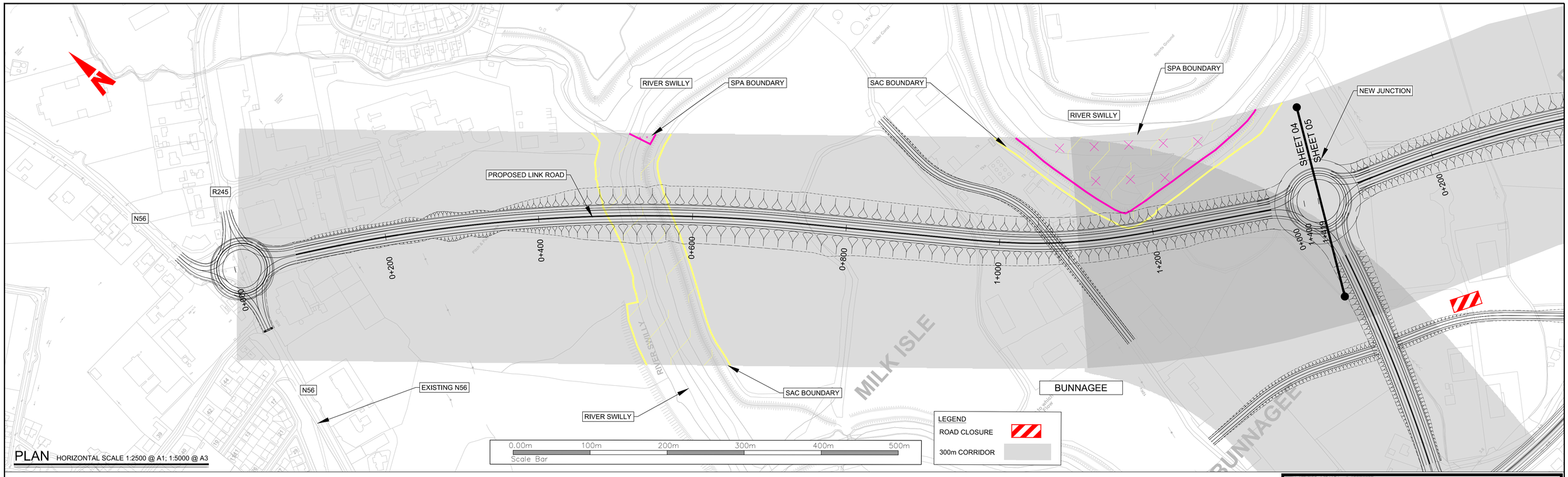
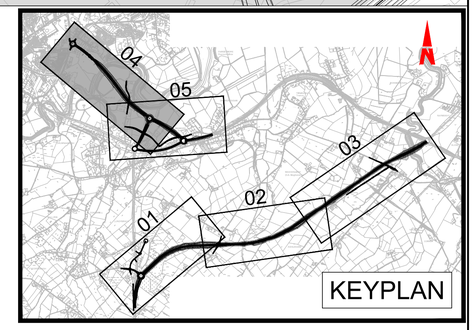
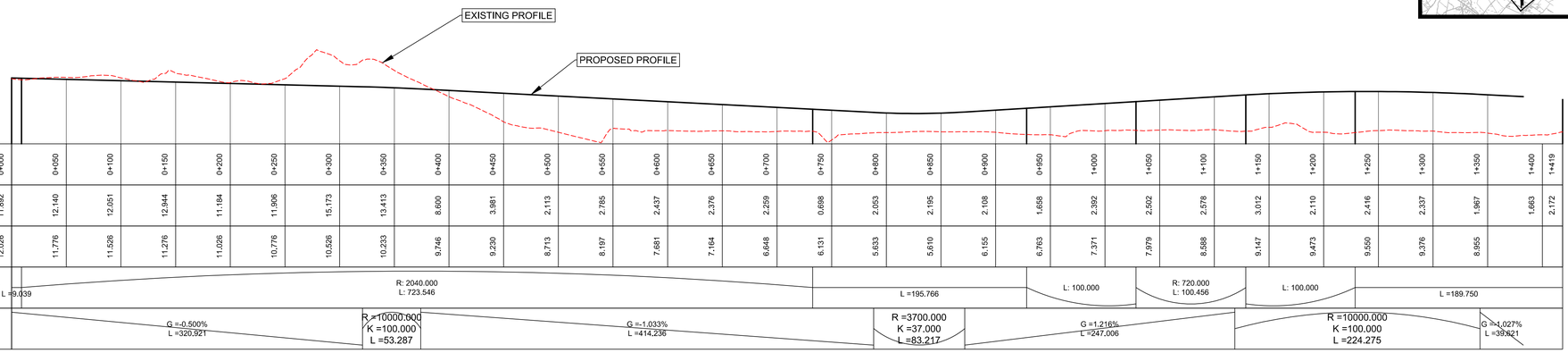


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





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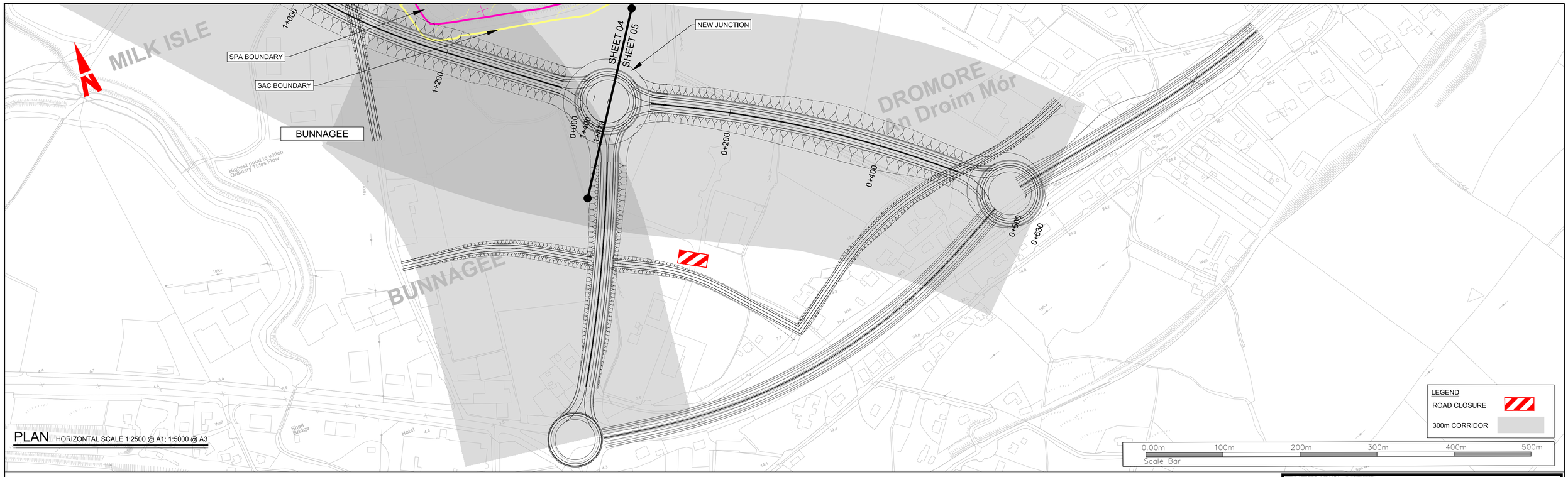
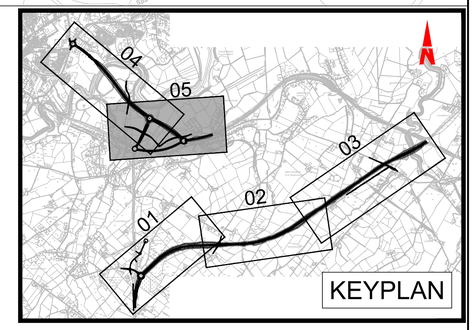
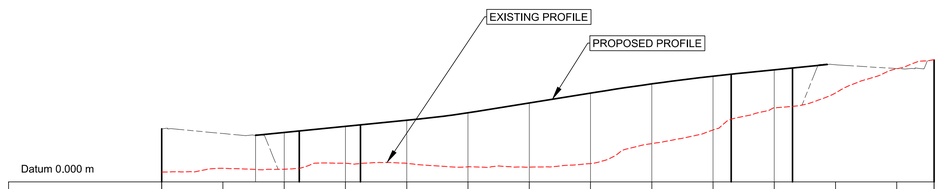


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





CHAINAGE	0+000	0+050	0+100	0+150	0+200	0+250	0+300	0+350	0+400	0+450	0+500	0+550	0+600	0+630
EXISTING LEVELS	1.587	2.219	2.068	3.039	3.025	2.463	2.408	2.992	6.251	8.485	12.073	14.516	18.455	19.886
PROPOSED LEVELS			8.070	9.070	10.070	11.273	12.877	14.487	15.995	17.255	18.291			
HORIZONTAL GEOMETRY		L =112.261		L: 50.000		R: 1440.000 L: 302.603					L: 50.000	L =115.572		
VERTICAL GEOMETRY			G =2.000% L =134.606		R =3700.000 K =37.000 L =45.113		G =3.219% L =98.654		R =10000.000 K =100.000 L =121.926		G =2.000% L =66.285			

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	11.11.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title:
TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2F1 PLAN & PROFILE
FIGURE 2F1 SHEET 5 OF 5

Status: S4

Designed: DC | Date: AUG 18 | Model File Identifier: N/A
Drawn: LM | Scale @ A1: AS SHOWN | @ A3: AS SHOWN
Approved: EC | File Identifier: TT_MGT03327-RPS-00-ZZ-DR-D-GE0025-05
Checked: TP | Sheet: 05 of 05

Rev: P01

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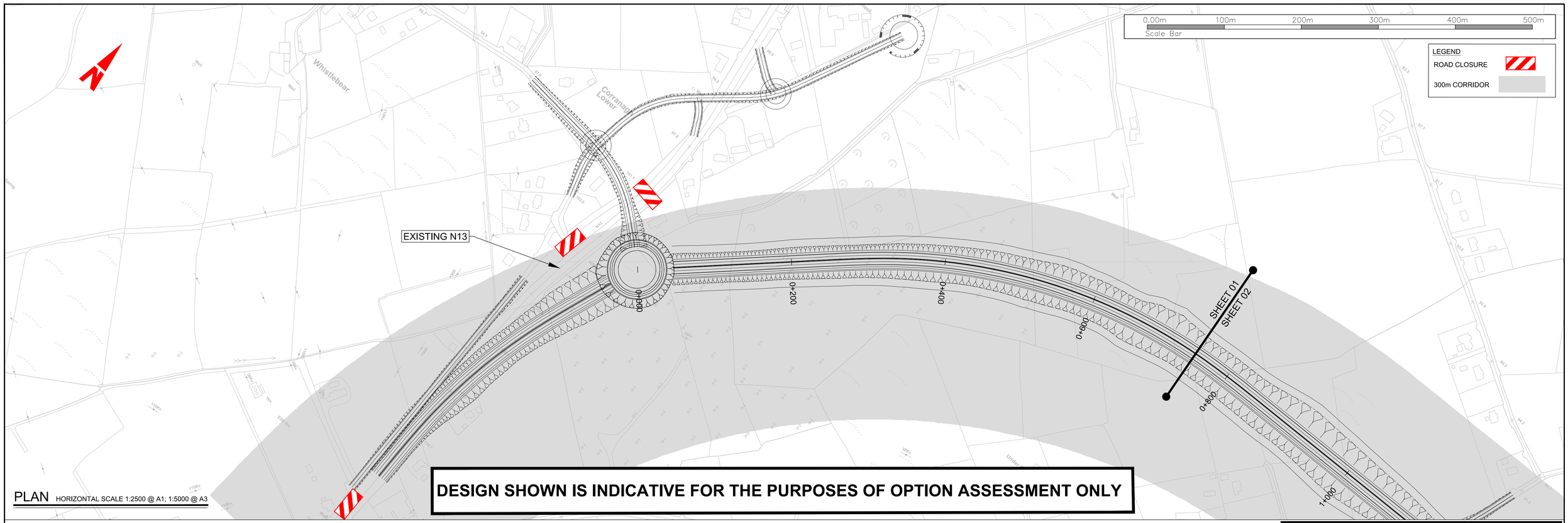
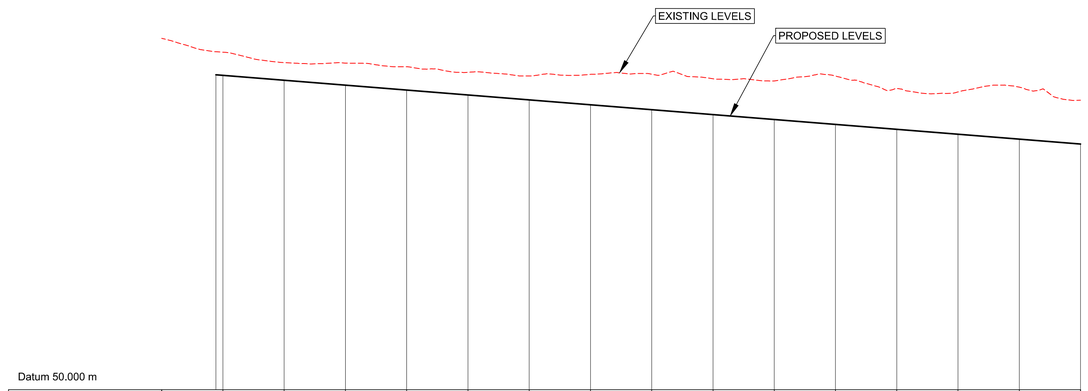


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



Datum 50.000 m

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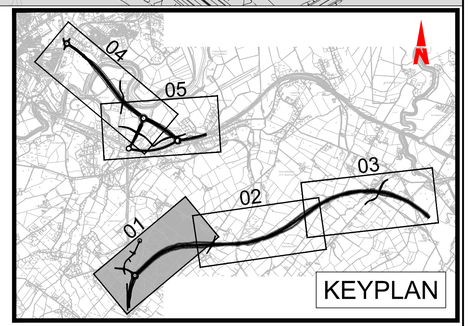
EXISTING LEVELS	107.342	105.079	103.379	103.298	102.700	101.797	101.200	101.466	101.485	100.741	100.388	101.181	99.171	98.591	99.373	97.238
PROPOSED LEVELS		101.292	100.492	99.691	98.891	98.091	97.290	96.490	95.690	94.889	94.089	93.288	92.488	91.688	90.887	90.087
HORIZONTAL GEOMETRY		L =235.877				L: 100.000			R: 720.000 L: 424.707							
VERTICAL GEOMETRY		G =-1.601% L =967.441														

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	11.11.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2F2 PLAN & PROFILE
FIGURE 2F2 SHEET 1 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	
Approved: EC	@ A3: AS SHOWN	File Identifier:	P01
Checked: LH	Sheet: 01 of 05	TT_MGT03327-RPS-00-ZZ-DR-D-GE0026-01	

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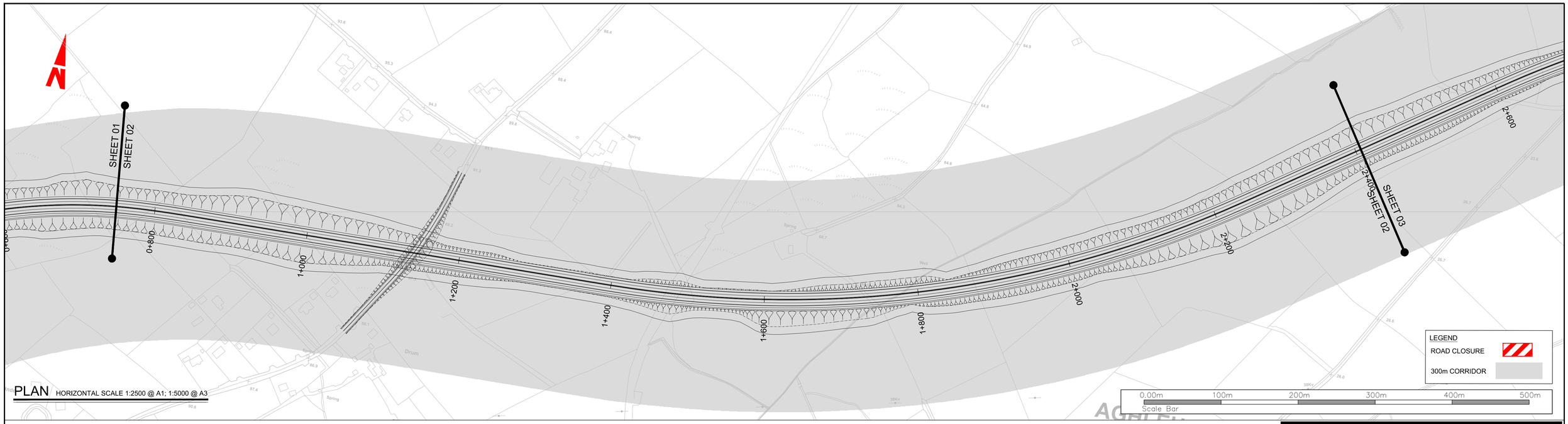
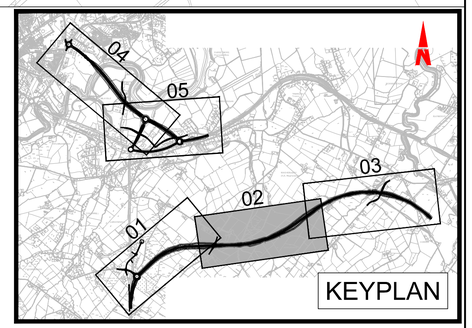
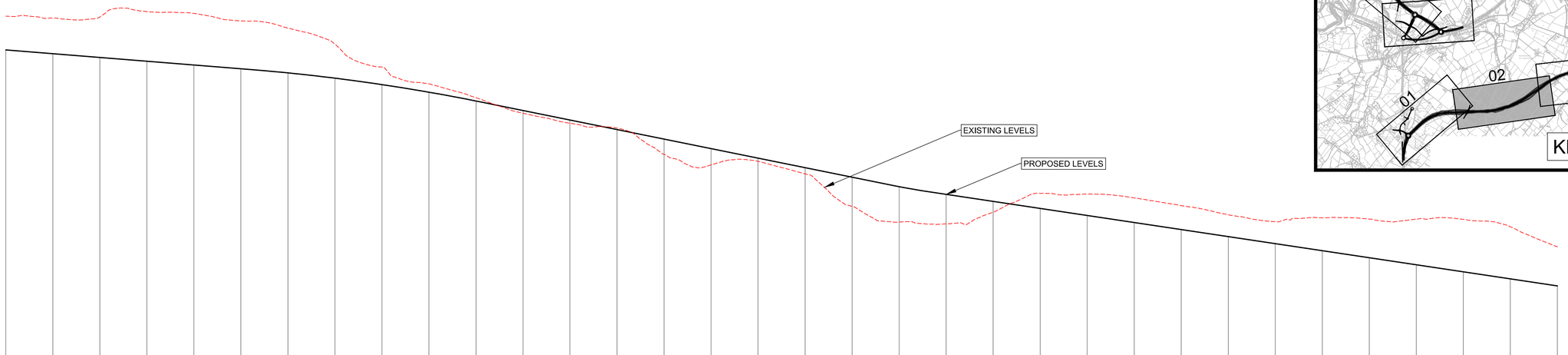


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





Datum 25.000 m

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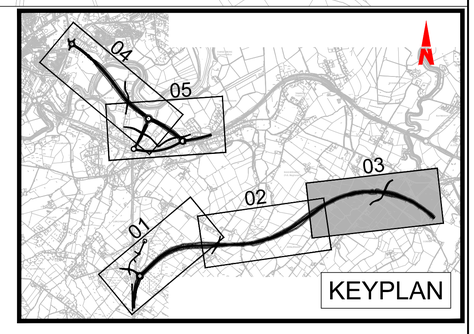
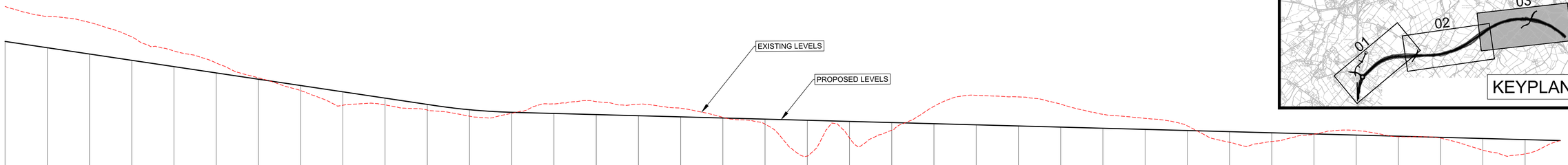
PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





Datum 10.000 m

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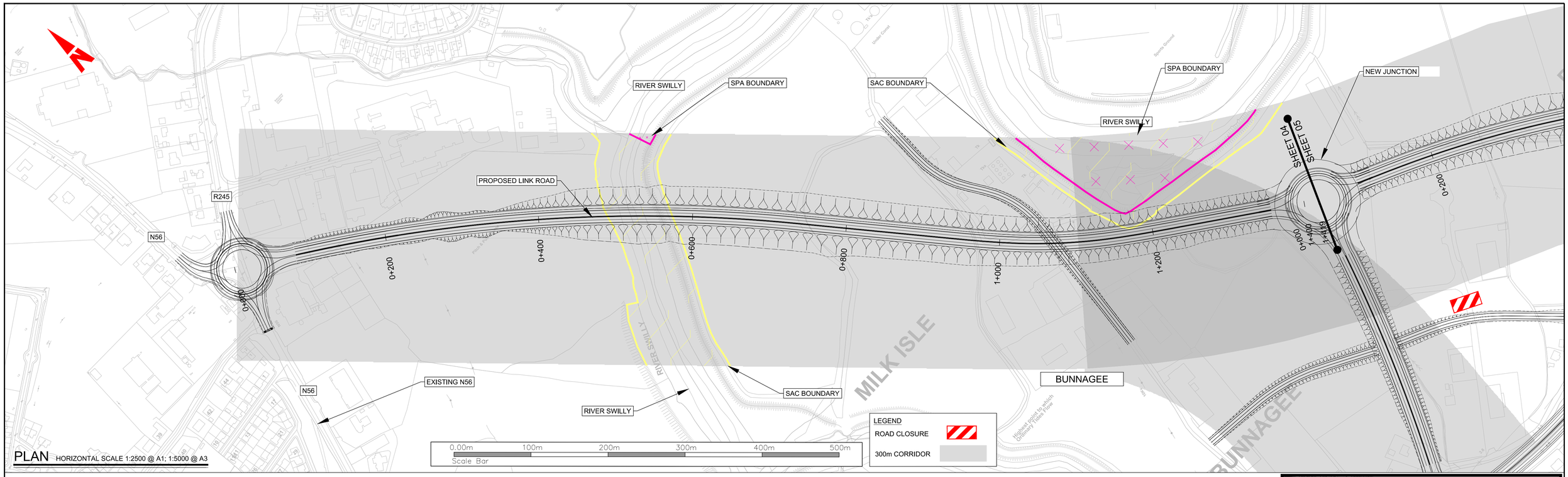
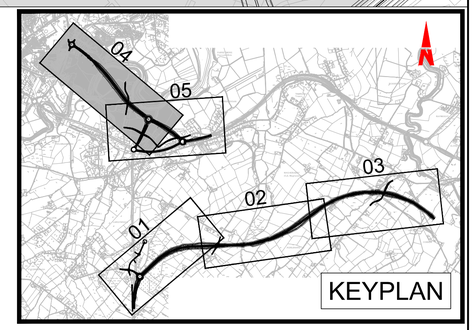
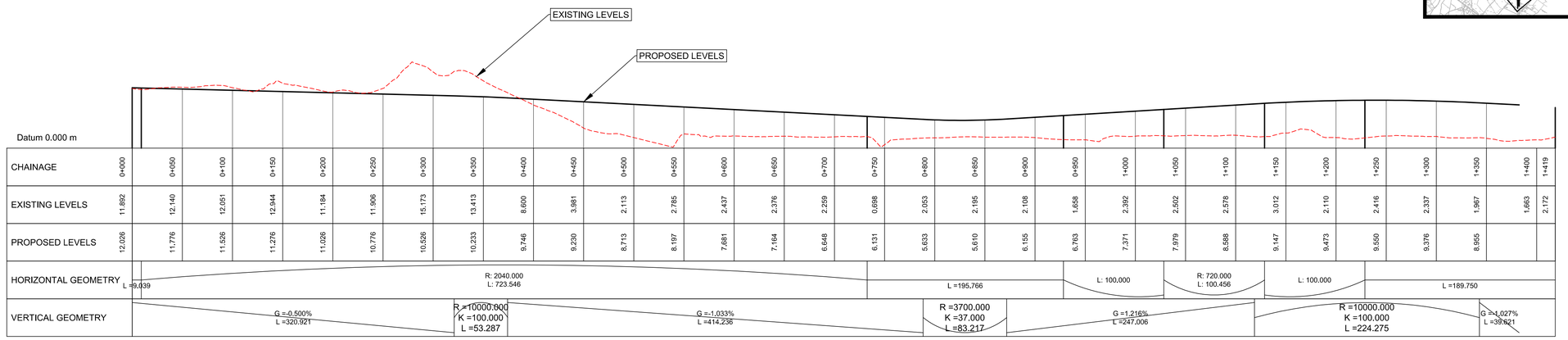


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	11.11.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2F2 PLAN & PROFILE FIGURE 2F2 SHEET 4 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier: N/A	Rev: P01
Drawn: LM	Scale @ A1: AS SHOWN		
Approved: EC	@ A3: AS SHOWN	File Identifier: TT_MGT03327-RPS-00-ZZ-DR-D-GE0026-04	
Checked: LH	Sheet: 04 of 05		

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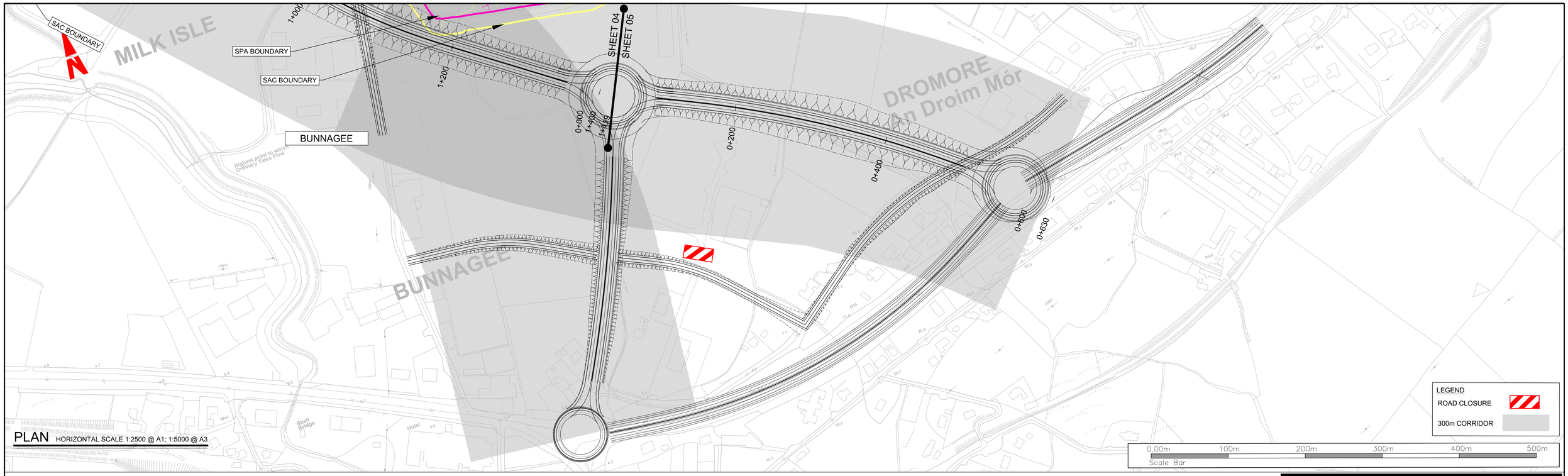
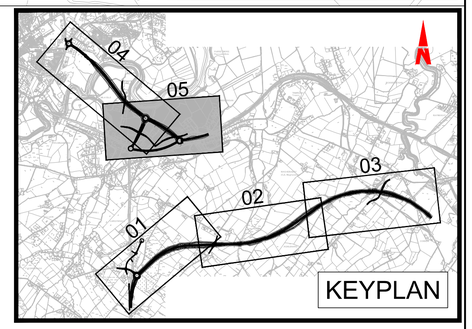
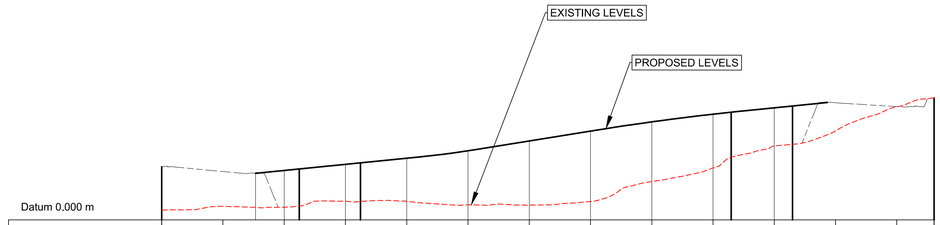


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY





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EXISTING LEVELS	1.587	2.219	2.068	3.039	3.025	2.463	2.408	2.992	6.251	8.485	12.073	14.516	18.455	19.886
PROPOSED LEVELS			8.070	9.070	10.070	11.273	12.877	14.487	15.995	17.255	18.291			
HORIZONTAL GEOMETRY		L =112.261		L: 50.000		R: 1440.000 L: 302.603					L: 50.000		L =115.572	
VERTICAL GEOMETRY			G =2.000% L =134.606		R =3700.000 K =37.000 L =45.113		G =3.219% L =98.654		R =10000.000 K =100.000 L =121.926		G =2.000% L =66.285			

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	11.11.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2F2 PLAN & PROFILE
FIGURE 2F2 SHEET 5 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	
Approved: EC	@ A3: AS SHOWN	File Identifier:	P01
Checked: LH	Sheet: 05 of 05	TT_MGT03327-RPS-00-ZZ-DR-D-GE0026-05	

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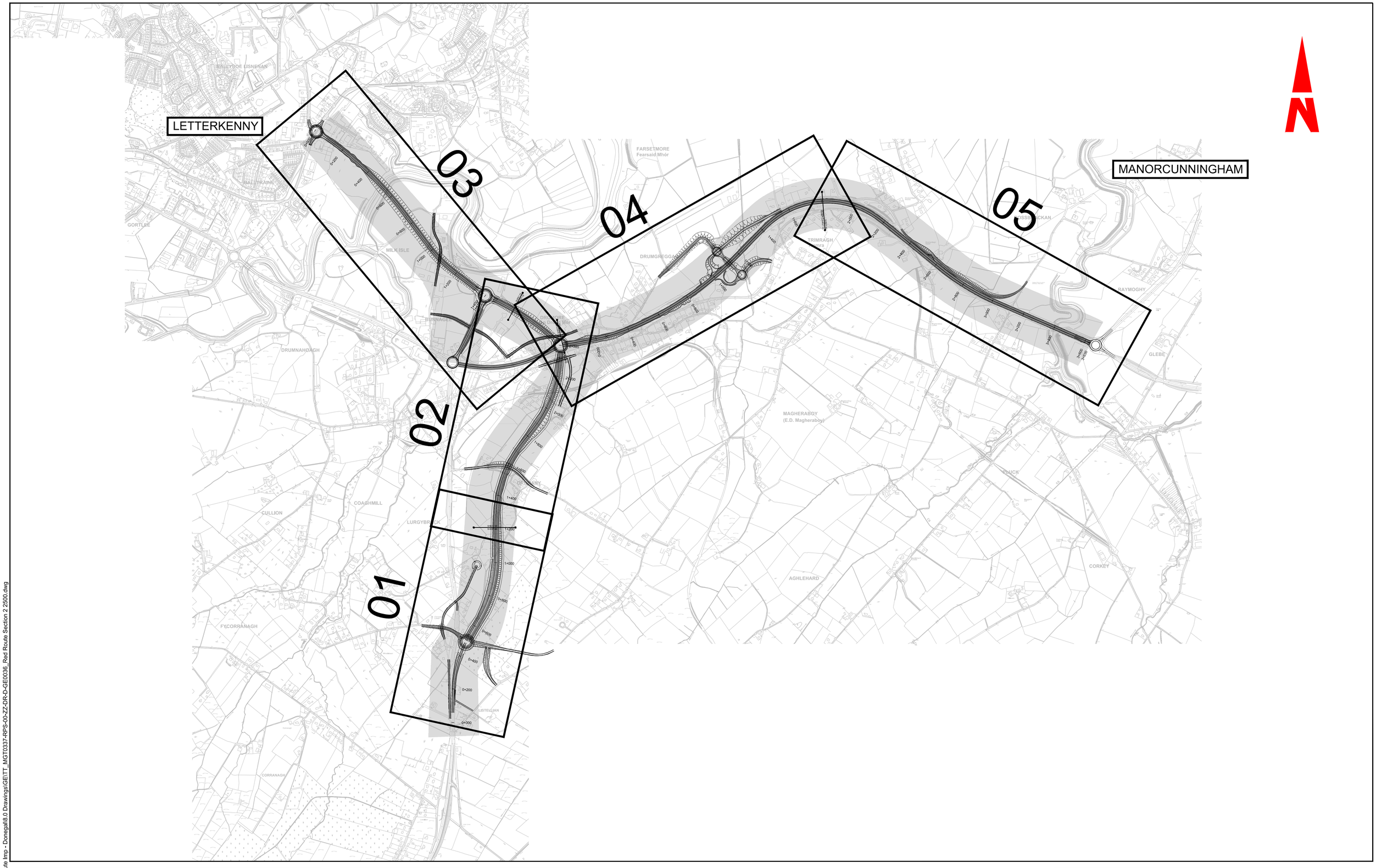

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: SECTION 2 PREFERRED OPTION (2D) KEYPLAN

Status: S4

Designed: DC	Date: OCT 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: 1:10000	N/A	P01
Approved: EC	@ A3: 1:20000	File Identifier:	
Checked: LH	Sheet: 001 of 001	TT_MGT0337-RPS-00-ZZ-DR-D-GE0036-00	

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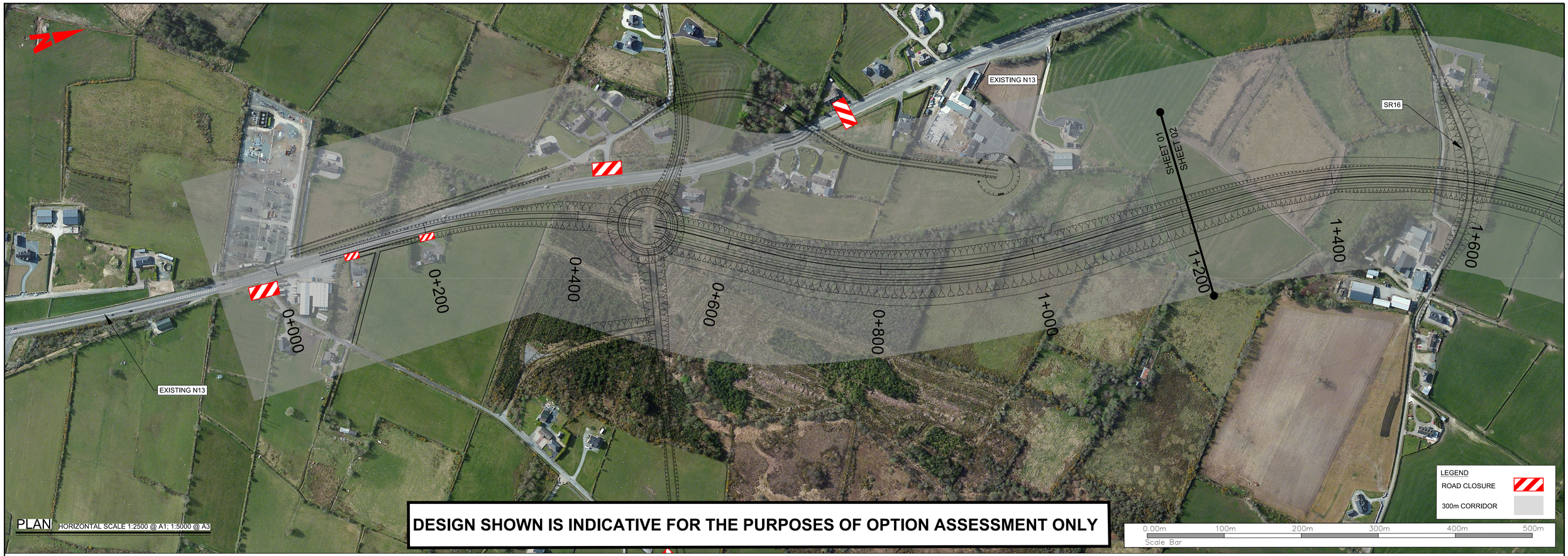
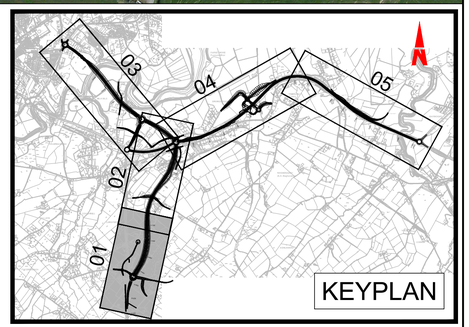


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY



Datum 50.000 m

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EXISTING LEVELS	116.474	115.608	114.581	113.550	112.343	111.372	109.382	108.889	108.839	108.036	106.971	104.707	102.963	101.126	99.803	98.506	97.271	95.358	93.774	91.215	89.062	86.173	83.560	80.429	77.272
PROPOSED LEVELS		114.800	112.923	110.797	108.478	106.147	104.019	102.549	101.655	100.967	100.175	99.428	98.472	97.266	95.811	94.105	92.149	89.943	87.527	85.087	82.646	80.206	77.766	75.326	72.885
HORIZONTAL GEOMETRY		L =56.968	L: 99.000	R: 720.000 L: 309.739								L: 99.000	L =39.250	L: 99.000	R: 720.000 L: 277.365				L: 99.000	L =138.122					
VERTICAL GEOMETRY		G =-3.308% L =30.192	R =10000.000 K =100.000 L =135.433	G =-4.662% L =95.359	R =3700.000 K =37.000 L =111.558	G =-1.647% L =26.979	G =-1.496% L =64.965	G =-1.450% L =64.151	R =10000.000 K =100.000 L =343.051					G =-4.881% L =1346.046												

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3

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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2D PLAN & PROFILE
SECTION 2 PREFERRED OPTION (2D) SHEET 1 OF 5

Status: S4

Designed: DC	Date: AUG 18	Model File Identifier:	Rev:
Drawn: LM	Scale @ A1: AS SHOWN	N/A	P01
Approved: EC	@ A3: AS SHOWN	File Identifier:	
Checked: LH	Sheet: 01 of 05	TT_MGT0337-RPS-00-ZZ-DR-D-GE0036-01	

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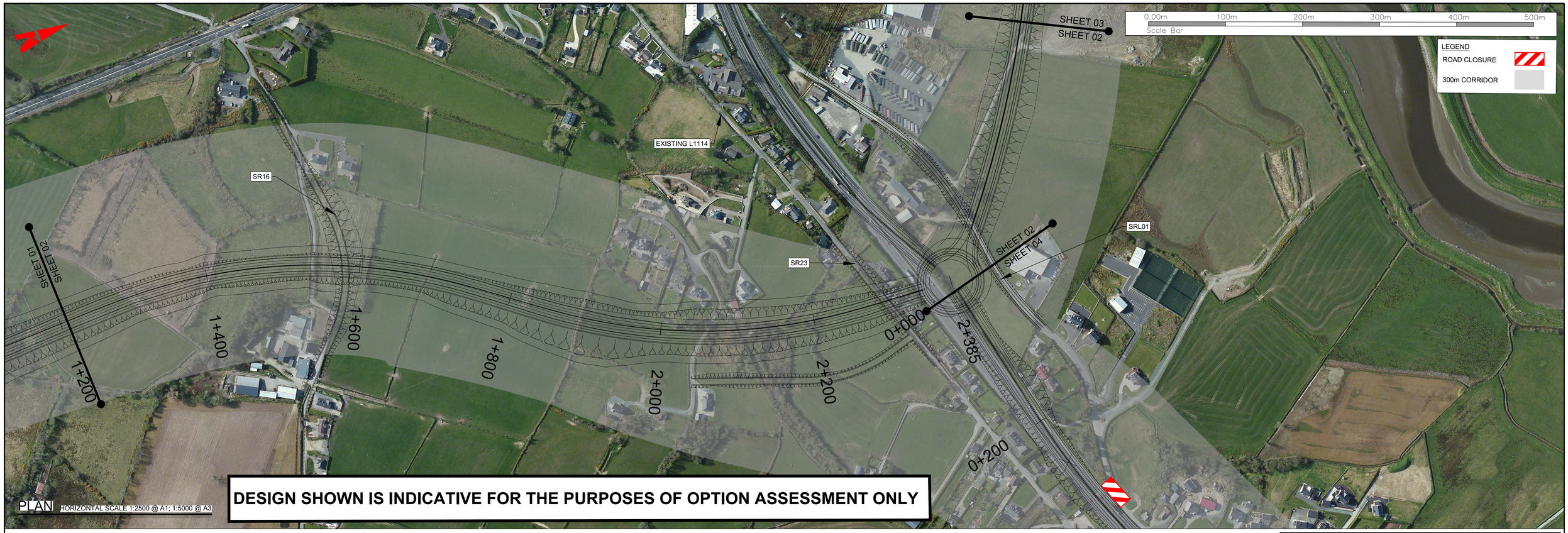
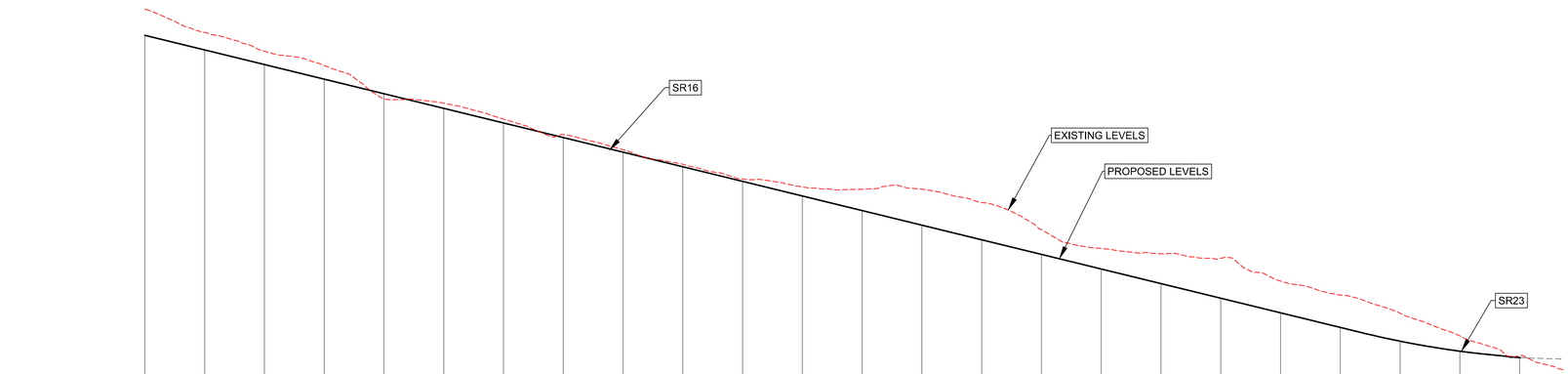


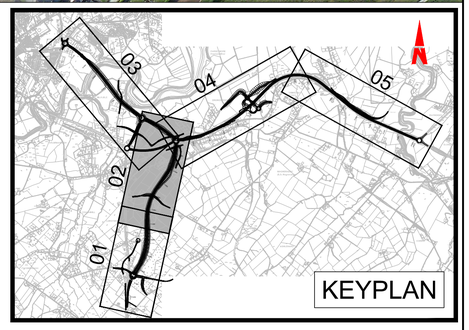
PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



Datum 10.000 m

CHAINAGE	1200.000	1250.000	1300.000	1350.000	1400.000	1450.000	1500.000	1550.000	1600.000	1650.000	1700.000	1750.000	1800.000	1850.000	1900.000	1950.000	2000.000	2050.000	2100.000	2150.000	2200.000	2250.000	2300.000	2350.000	2386.454
EXISTING LEVELS	77.272	73.385	70.228	67.837	62.303	61.555	58.899	56.278	53.766	51.336	48.878	47.537	47.158	47.159	44.931	40.401	37.281	36.388	35.636	31.821	29.494	26.460	22.657	19.336	17.016
PROPOSED LEVELS	72.885	70.445	68.005	65.564	63.124	60.684	58.243	55.803	53.363	50.923	48.482	46.042	43.602	41.161	38.721	36.281	33.840	31.400	28.960	26.520	24.079	21.778	20.108	19.027	
HORIZONTAL GEOMETRY	L =138.122	L: 99.000	R: 720.000 L: 384.723									L: 99.000	L =1.075	L: 99.000		R: 720.000 L: 322.780						L: 99.000		L =64.463	
VERTICAL GEOMETRY	G =-4.881% L =1346.046																					R =3700.000 K =37.000 L =106.582		G =-2.000% L =26.000	

PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

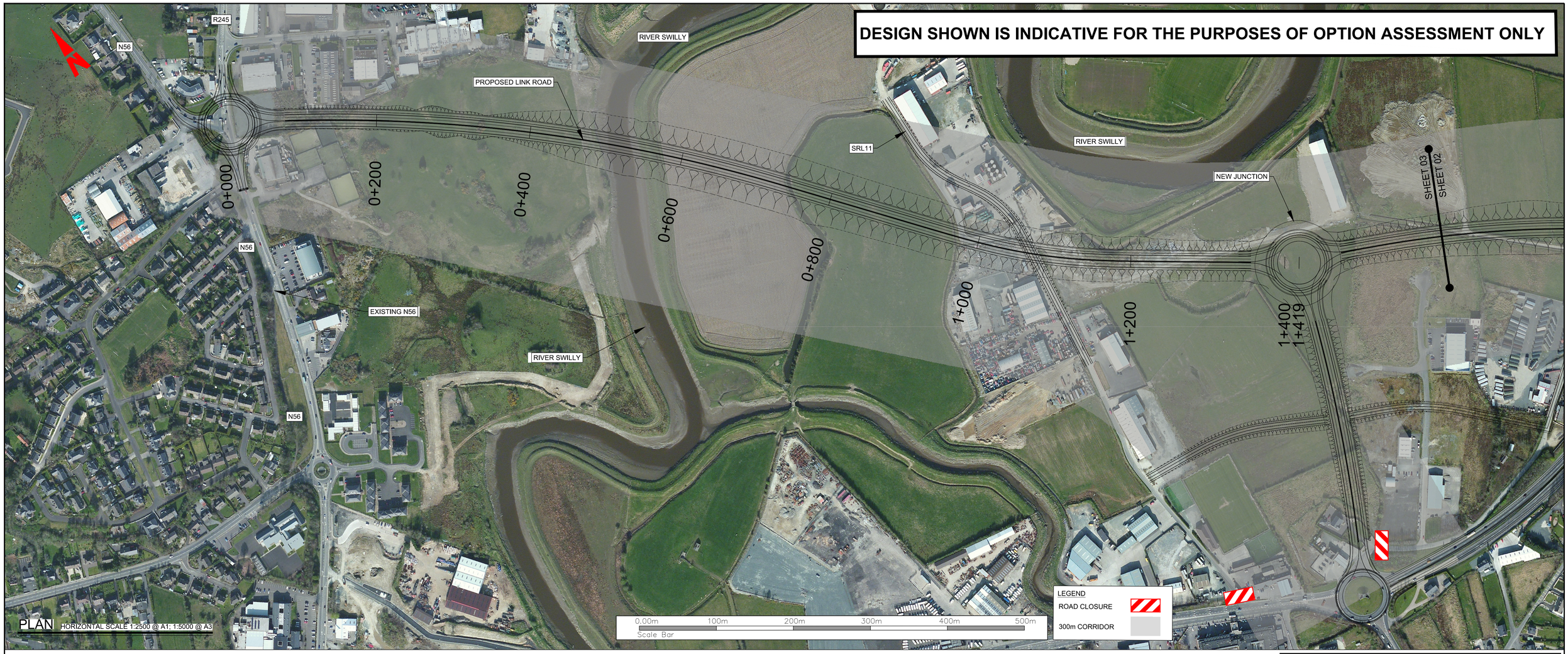
Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2D PLAN & PROFILE
SECTION 2 PREFERRED OPTION (2D) SHEET 2 OF 5

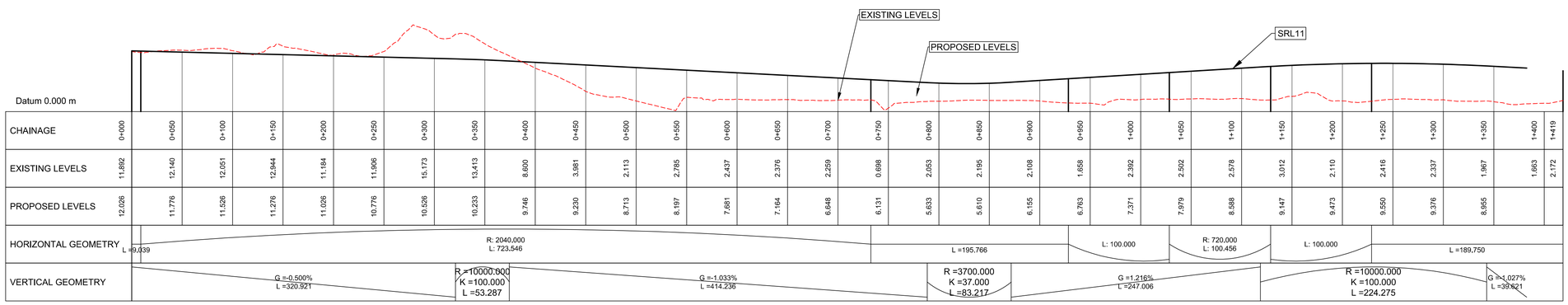
Status: S4

Designed: DC	Date: AUG 18	Model File Identifier: N/A	Rev: P01
Drawn: LM	Scale @ A1: AS SHOWN		
Approved: EC	@ A3: AS SHOWN	File Identifier: TT_MGT0337-RPS-00-ZZ-DR-D-GE0036-02	
Checked: LH	Sheet: 02 of 05		

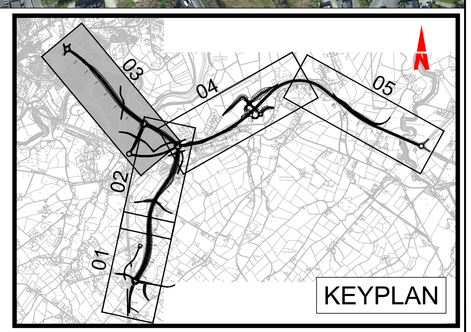
DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY



PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



PROFILE VERTICAL SCALE 1:500 @ A1; 1:1000 @ A3
HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3



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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	03.10.19	MG	OPTION SELECTION REPORT	TP	EC

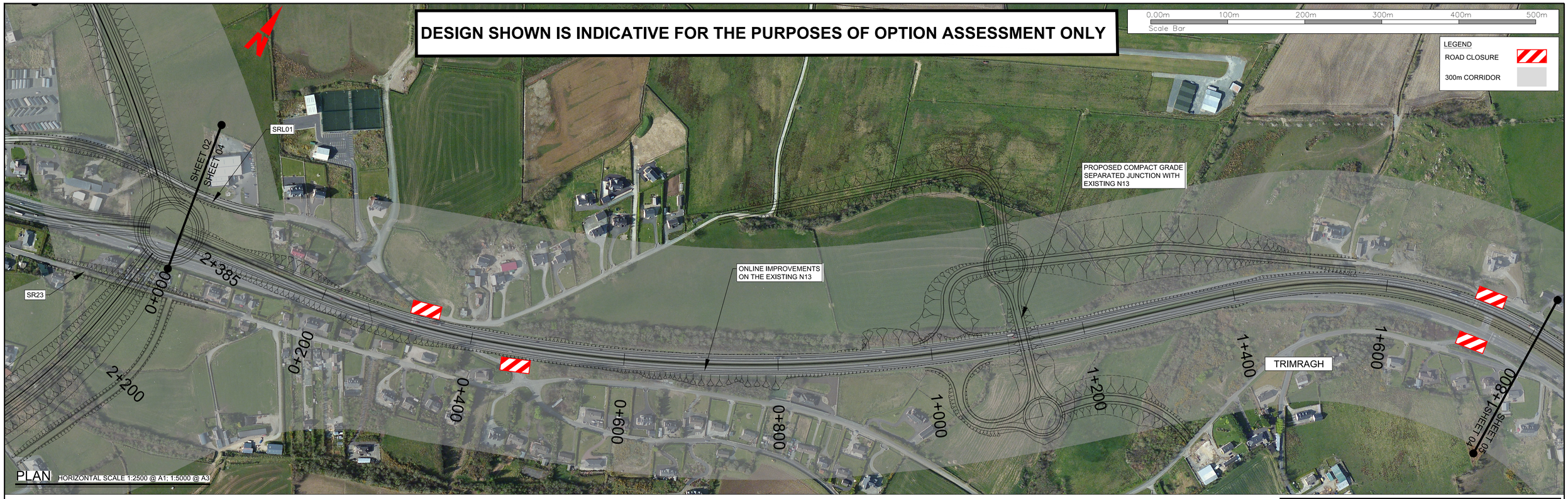
Project Title: TEN-T Priority Route Improvement Project, Donegal

Drawing Title: OPTION 2D PLAN & PROFILE
SECTION 2 PREFERRED OPTION (2D) SHEET 3 OF 5

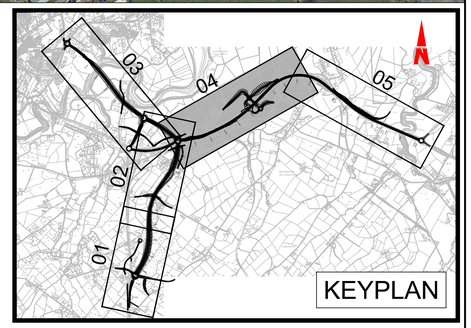
Status: S4

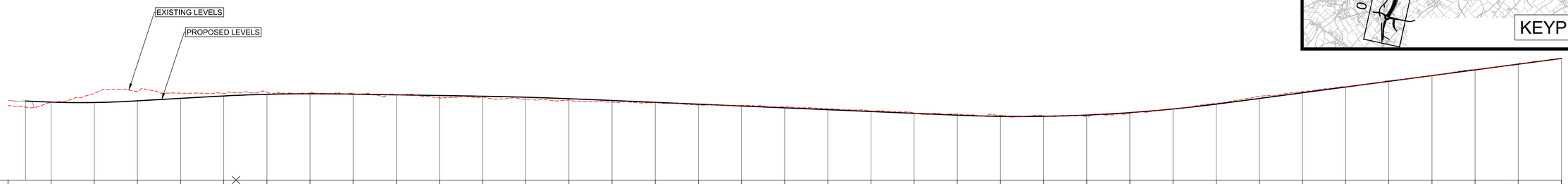
Designed: DC	Date: AUG 18	Model File Identifier: N/A	Rev: P01
Drawn: LM	Scale @ A1: AS SHOWN		
Approved: EC	@ A3: AS SHOWN	File Identifier: TT_MGT0337-RPS-00-ZZ-DR-D-GE0036-03	
Checked: LH	Sheet: 03 of 05		

DESIGN SHOWN IS INDICATIVE FOR THE PURPOSES OF OPTION ASSESSMENT ONLY



PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3





Datum 0.000 m

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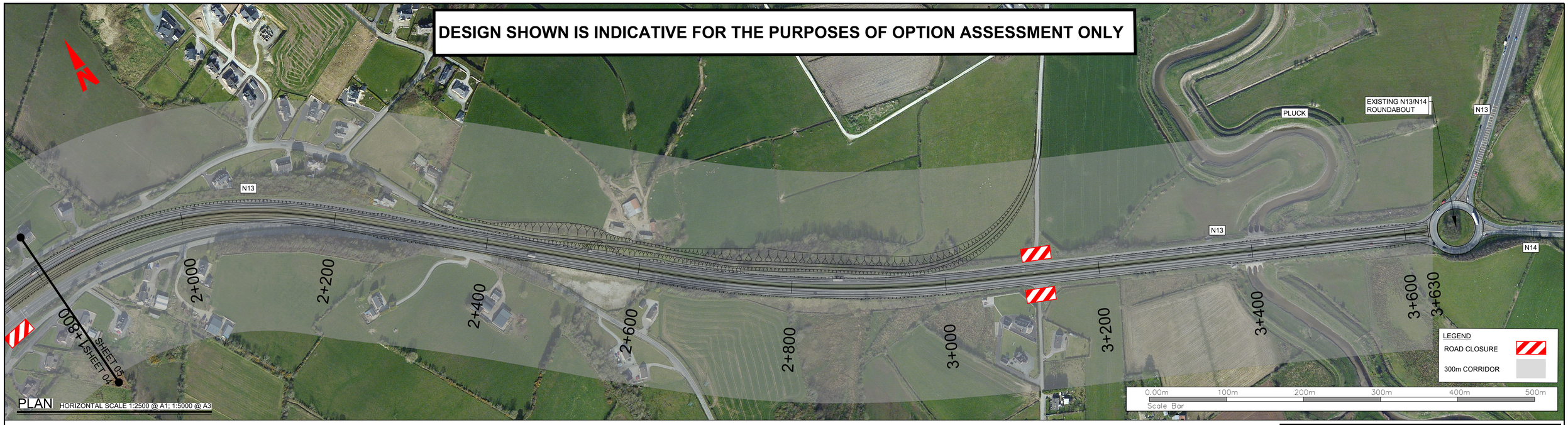
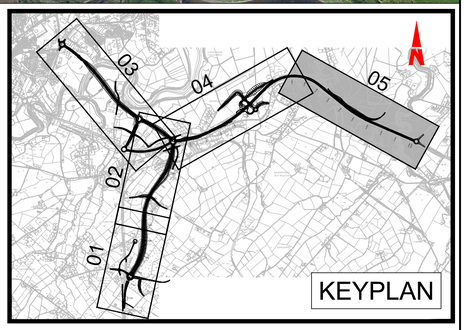
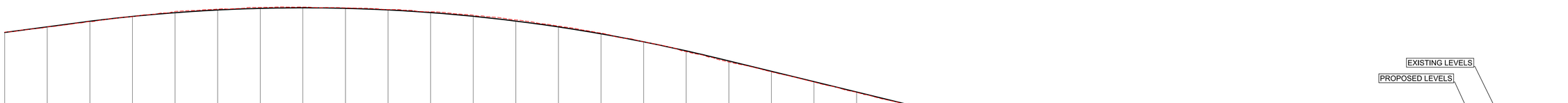


PLAN HORIZONTAL SCALE 1:2500 @ A1; 1:5000 @ A3





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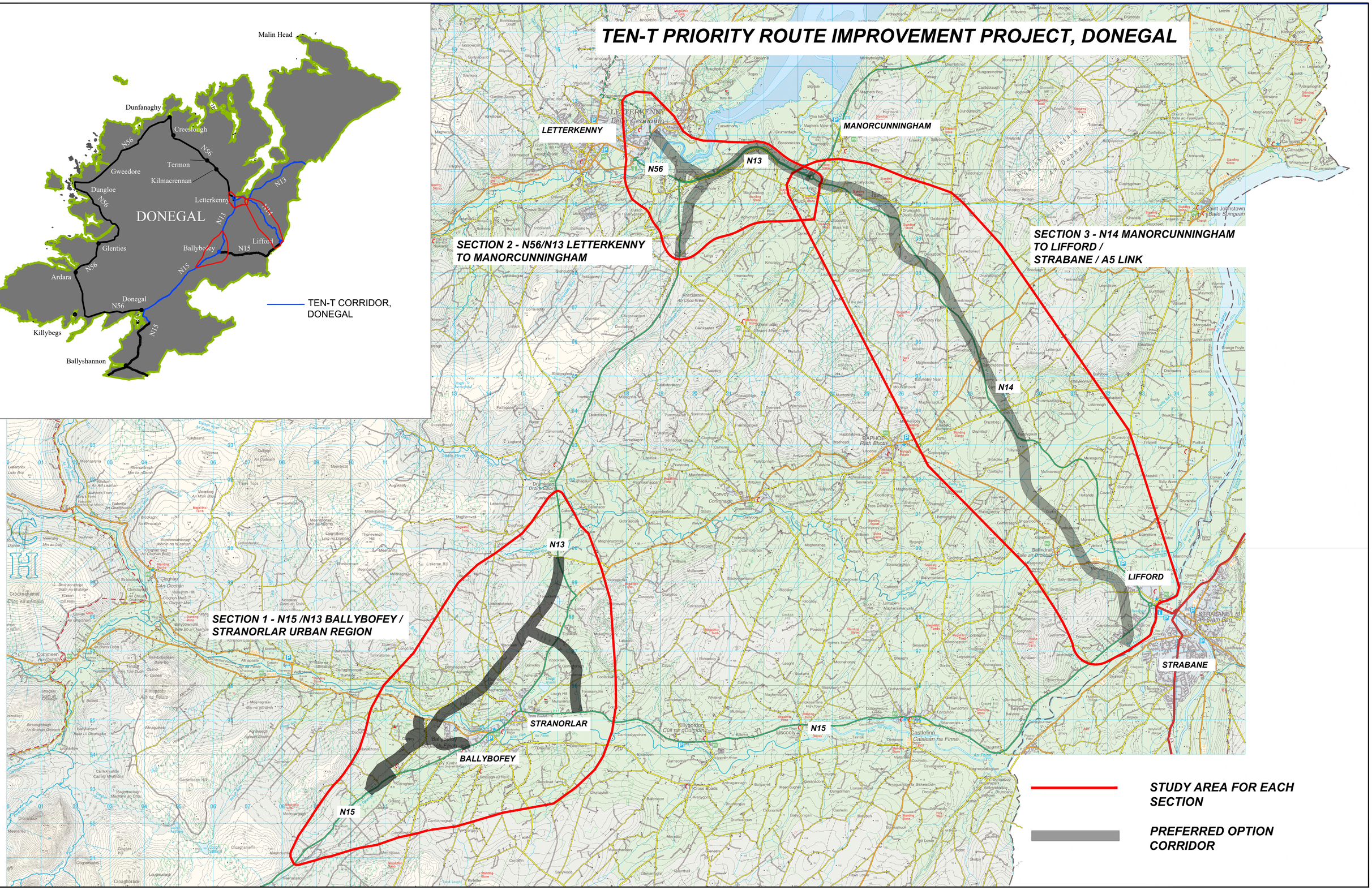
TEN-T PRIORITY ROUTE IMPROVEMENT PROJECT, DONEGAL



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Rev.	Date	Drawn	Description	Chk'd	Appr.
P01	04/11/19	EC	OPTION SELECTION REPORT	EC	ED

Project Title: TEN-T PRIORITY ROUTE IMPROVEMENT PROJECT, DONEGAL

Drawing Title: PREFERRED OPTION CORRIDOR

Status: S4

Designed: EC	Date: APR '19	Model File Identifier:	Rev:
Drawn: EC	Scale: NTS		P01
Approved: ED	NTS	File Identifier: TT_Y16112-BT-RS-GEN-ZZ -DR-CH-00100	
Checked: ED	Sheet: 1 of 1		

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