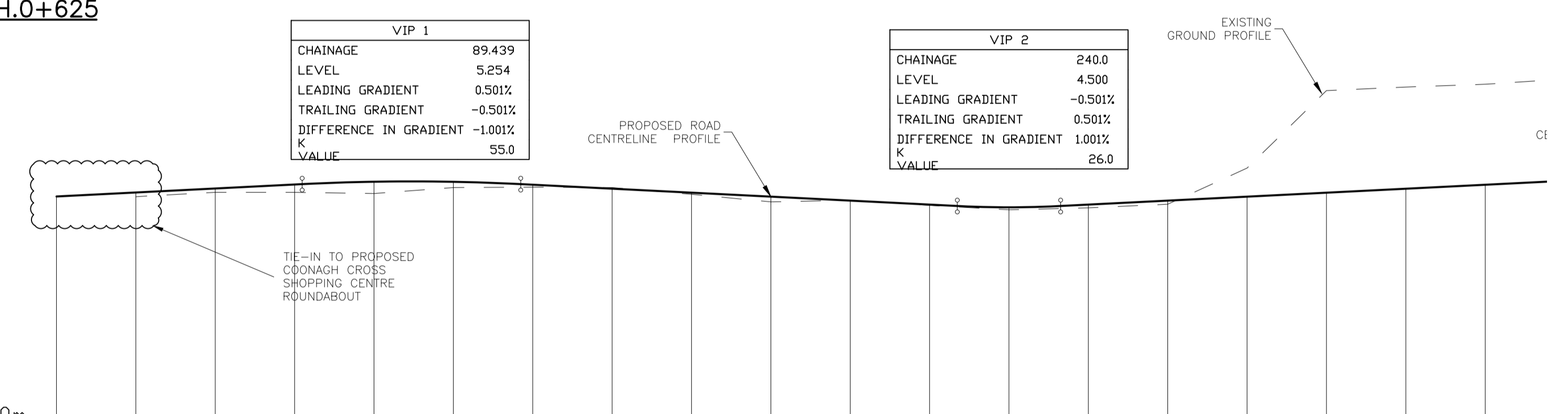


PLAN CH.0+000 – CH.0+625  
SCALE 1:1000 @ A1

VIP 1	
CHAINAGE	89.439
LEVEL	5.254
LEADING GRADIENT	0.501%
TRAILING GRADIENT	-0.501%
DIFFERENCE IN GRADIENT	-1.001%
K VALUE	55.0

VIP 2	
CHAINAGE	240.0
LEVEL	4.500
LEADING GRADIENT	-0.501%
TRAILING GRADIENT	0.501%
DIFFERENCE IN GRADIENT	1.001%
K VALUE	26.0



	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	6200	6400	6600																				
PROPOSED LEVEL	4.806	4.906	5.006	5.106	5.177	5.175	5.101	5.001	4.901	4.800	4.700	4.600	4.533	4.600	4.700	4.800	4.901	5.001	5.101																				
EXISTING LEVEL	1.817	1.613	4.799	4.853	4.906	4.907	4.906	4.890	4.876	4.954	5.031	5.040	5.045	4.961	4.871	4.905	4.862	4.762	4.665	4.688	4.707	4.643	4.577	4.600	4.525	4.471	4.482	4.521	4.575	4.615	5.041	5.562	6.503	7.471	7.525	7.560	7.605	7.630	7.703
HORIZONTAL GEOMETRY	L=28.212		Right Transition										R=720.0 L=184.728		Right Transition		RL=64800.0 L=90.0																						
VERTICAL GEOMETRY	G=0.501% L=61.904		K=55.0 L=55.070										G=-0.501% L=110.010		K=26.0 L=26.033		G=0.501% L=190.012																						
SUPERELEVATION	0.0		-2.5										3.5		-3.5		3.5																						
CHAINAGE	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000	6200	6400	6600																				

PROFILE CH.0+300 – CH.0+630  
HORIZONTAL SCALE 1:1000 @ A1  
VERTICAL SCALE 1:100 @ A1

An Roinn Iompair,  
Turasóireachta agus Spóirt  
Department of Transport,  
Tourism and Sport

Tionscadal Éireann  
Project Ireland  
2040

Comhairle Cathrach  
& Contae Luimnigh  
Limerick City  
& County Council

Comhairle Contae an Chláir  
Clare County Council

No.	Revision	Date	By	Chkd	App'd
	Stage				
		21.02.20			DOR

MRG  
consulting engineers

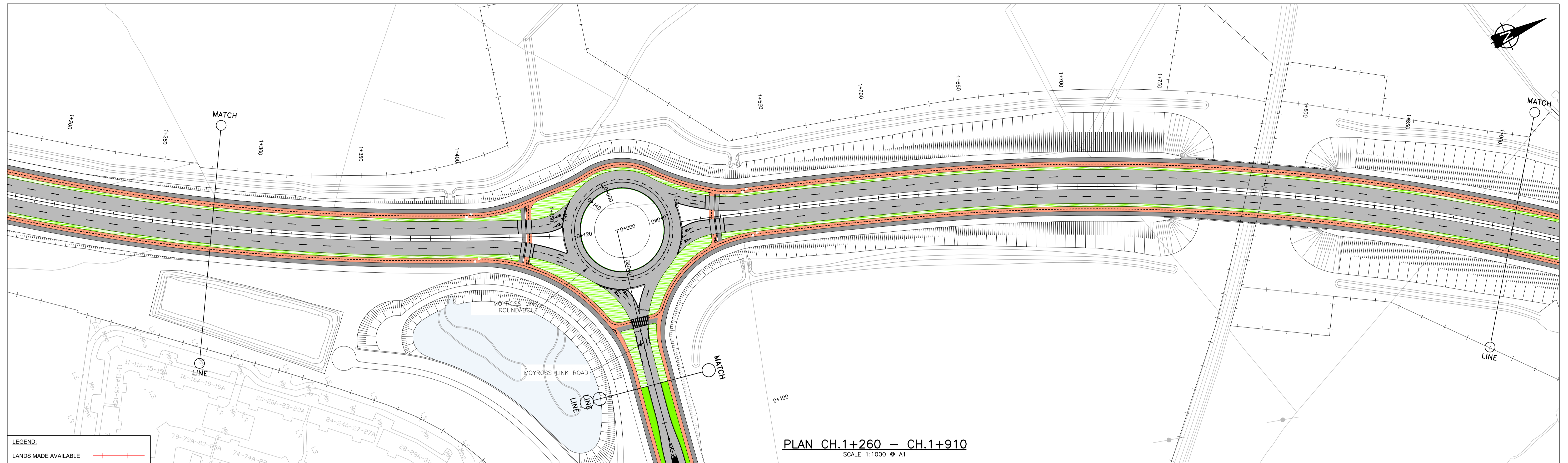
Roughan & O'Donovan  
Consulting Engineers

No.4 Day Place, Trollee, County Kerry.  
T: (0667)7123130 Fax: (0667)7123364 E-Mail: info@mrgr.ie  
also: Elysium Business Centre, Watercourse Road, Blackpool, Cork  
Civil Structural Architectural Environmental

Arena House, Arena Road,  
Sandyford, Dublin 18.  
Tel: +353 1 294 0800  
Fax: +353 1 294 0820  
e-mail: info@rod.ie  
www.rod.ie

Project Title COONAGH TO KNOCKALISHEEN DISTRIBUTOR ROAD SCHEME			
Drawing Title MAINLINE ALIGNMENT PLAN AND PROFILE - SHEET 1 OF 4			
Drawn: SP	Job No: 11194.108	Drawing No: 000-APP-001	Rev: T2
Scale: (@ A1) 1:1000 H 1:100 V	Date: FEB 11		



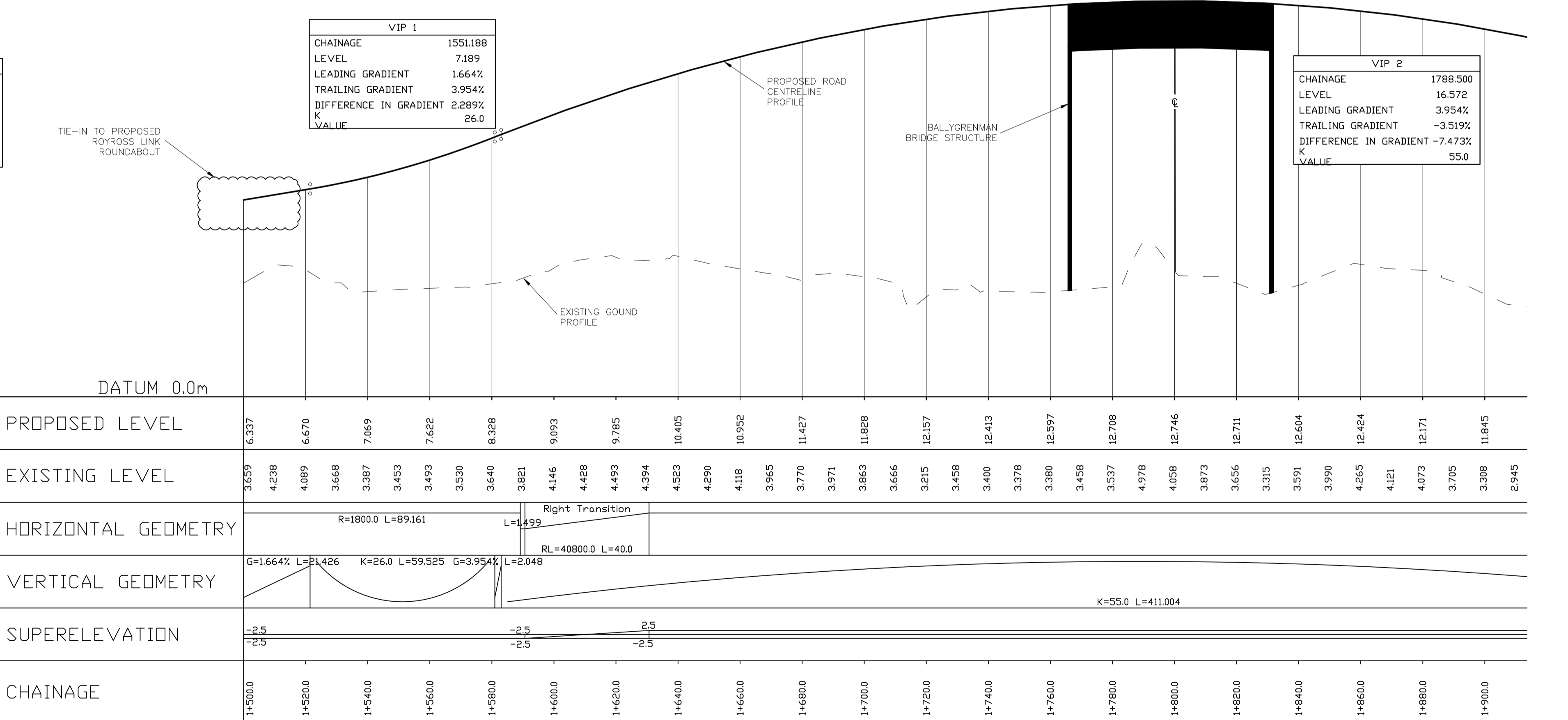
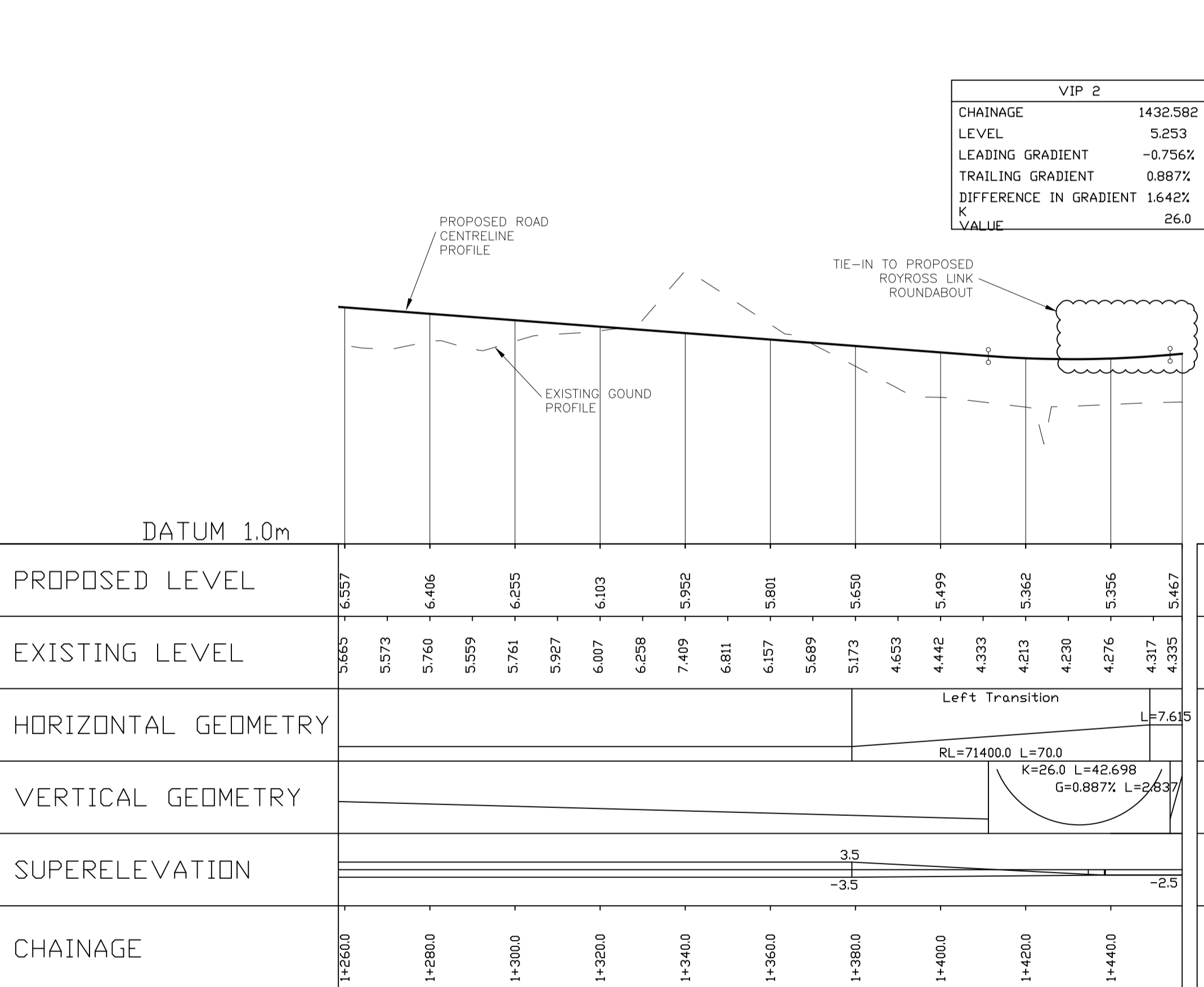


**LEGEND:**  
LANDS MADE AVAILABLE

VIP 2	
CHAINAGE	1432.582
LEVEL	5.253
LEADING GRADIENT	-0.756%
TRAILING GRADIENT	0.887%
DIFFERENCE IN GRADIENT	1.642%
K VALUE	26.0

VIP 1	
CHAINAGE	1551.188
LEVEL	7.189
LEADING GRADIENT	1.664%
TRAILING GRADIENT	3.954%
DIFFERENCE IN GRADIENT	2.289%
K VALUE	26.0

VIP 2	
CHAINAGE	1788.500
LEVEL	16.572
LEADING GRADIENT	3.954%
TRAILING GRADIENT	-3.519%
DIFFERENCE IN GRADIENT	-7.473%
K VALUE	55.0



No.	Revision	Date	By	Chkd	App'd
	Stage				
	PRELIMINARY				
	APPROVAL	21.02.20			DOR
	TENDER				
	CONSTRUCTION				

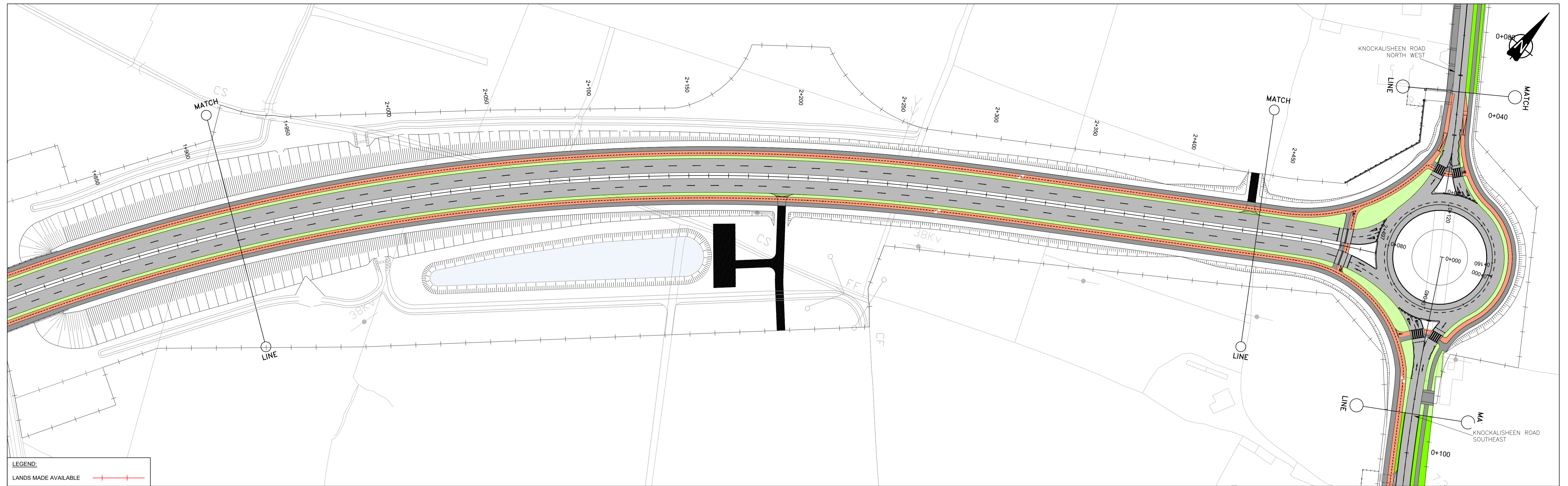
**MRG** consulting engineers  
No.4 Day Place, Trollee, County Kerry.  
T: (066)7123130 Fax: (066)7123364 E-Mail: info@mrj.ie  
also: Elysium Business Centre, Watercourse Road, Bockpool, Cork

**MRG Consulting Engineers Limited** Civil Structural Architectural Environmental

**Roughan & O'Donovan** Consulting Engineers  
Civil - Structural - Transportation - Environmental  
Arena House, Arena Road, Sandycove, Dublin 18.  
Tel: +353 1 294 0800 Fax: +353 1 294 0820 e-mail: info@rod.ie www.rod.ie

Designed: MRG Checked: JB Approved: SMG Status: TENDER

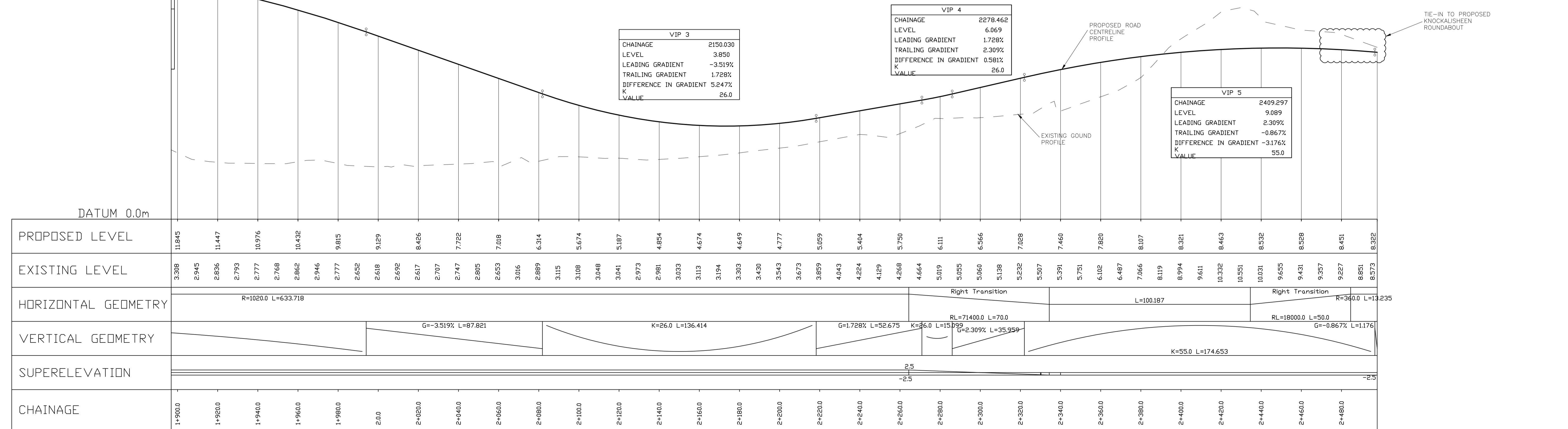
Project Title <b>COONAGH TO KNOCKALISHEEN DISTRIBUTOR ROAD SCHEME</b>			
Drawing Title <b>MAINLINE ALIGNMENT PLAN AND PROFILE - SHEET 3 OF 4</b>			
Drawn: SP	Job No: 11194.108	Drawing No: 000-APP-003	Rev: T2
Scale: (@ A1) 1:1000 H 1:100 V	Date: FEB 11		



LEGEND:  
LANDS MADE AVAILABLE

PLAN CH.1+910 – CH.2+497.8

SCALE 1:1000 @ A1



PROFILE CH.1+910 – CH.2+497.8

HORIZONTAL SCALE 1:1000 @ A1  
VERTICAL SCALE 1:100 @ A1

	<table border="1"> <tr> <th>T2</th> <th>AMENDMENTS TO PROFILE</th> <th>24.03.2020</th> <th>SC</th> <th>JB</th> <th>DOR</th> </tr> <tr> <td>No.</td> <td>Revision</td> <td>Date</td> <td>By</td> <td>Chk'd</td> <td>App'd</td> </tr> <tr> <td></td> <td>Stage</td> <td></td> <td>Date</td> <td></td> <td>App'd</td> </tr> <tr> <td></td> <td>PRELIMINARY</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>APPROVAL</td> <td></td> <td>21.02.20</td> <td></td> <td>DOR</td> </tr> <tr> <td></td> <td>TENDER</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>CONSTRUCTION</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	T2	AMENDMENTS TO PROFILE	24.03.2020	SC	JB	DOR	No.	Revision	Date	By	Chk'd	App'd		Stage		Date		App'd		PRELIMINARY						APPROVAL		21.02.20		DOR		TENDER						CONSTRUCTION					<p>No.4 Day Place, Trollee, County Kerry. T: (066)7123130 Fax: (066)7123364 E-Mail: info@mrj.ie also: Elysium Business Centre, Watercourse Road, Blackpool, Cork</p> <p>Arena House, Arena Road, Sandycove, Dublin 18. Tel: +353 1 294 0800 Fax: +353 1 294 0820 E-mail: info@rod.ie www.rod.ie</p>	<p>Project Title <b>COONAGH TO KNOCKALISHEEN DISTRIBUTOR ROAD SCHEME</b></p> <p>Drawing Title <b>MAINLINE ALIGNMENT PLAN AND PROFILE - SHEET 4 OF 4</b></p> <p>Drawn: SP Job No: 11194.108 Drawing No: 000-APP-004 Rev: T2</p> <p>Scale: 1:1000 H 1:100 V Date: FEB 11</p>
	T2	AMENDMENTS TO PROFILE	24.03.2020	SC	JB	DOR																																							
No.	Revision	Date	By	Chk'd	App'd																																								
	Stage		Date		App'd																																								
	PRELIMINARY																																												
	APPROVAL		21.02.20		DOR																																								
	TENDER																																												
	CONSTRUCTION																																												
<p>Ordnance Survey Ireland Licence No EN 0006519 Ordnance Survey Ireland and Government of Ireland.</p> <p>Mar 24, 2020 - 2:12pm</p> <p>Drawing Location: L:\acaddwg\2011\11194\11194.108\11194.108-000-APP-001-004.dwg</p>	<p>Designed: MRG Checked: JB Approved: SMG Status: TENDER</p>																																												