

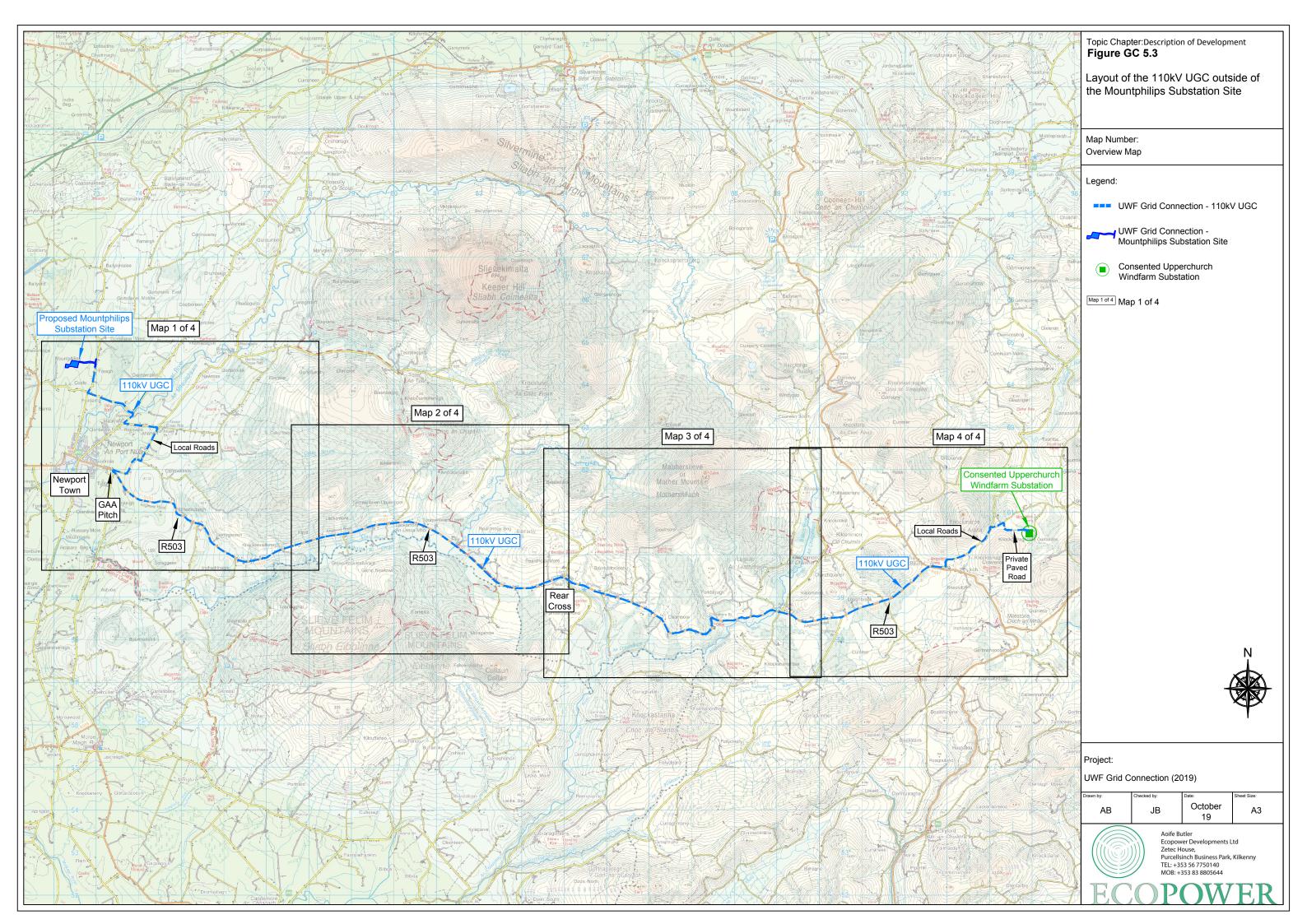
Topic Chapter: Description of Development

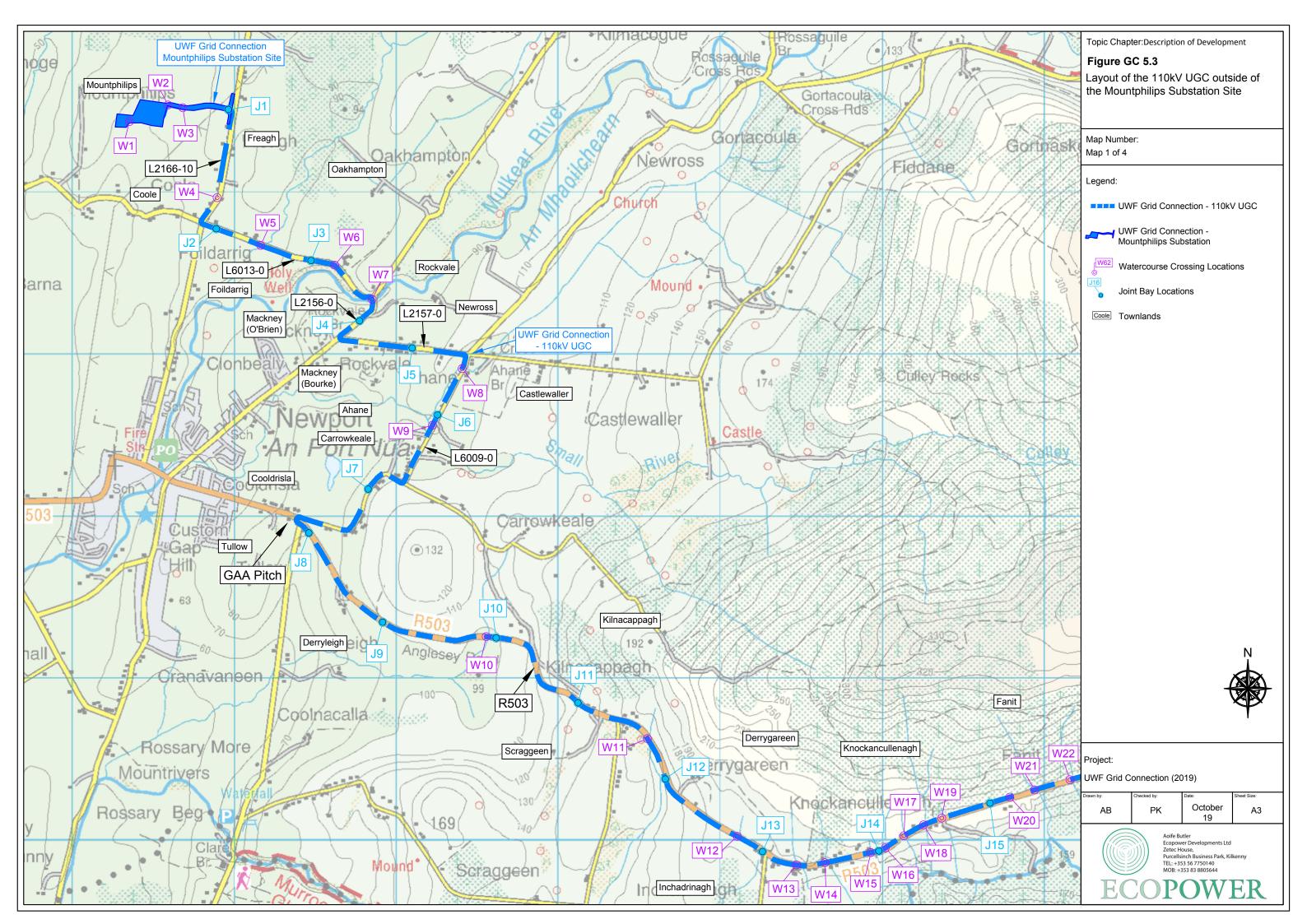
Figure GC 5.2

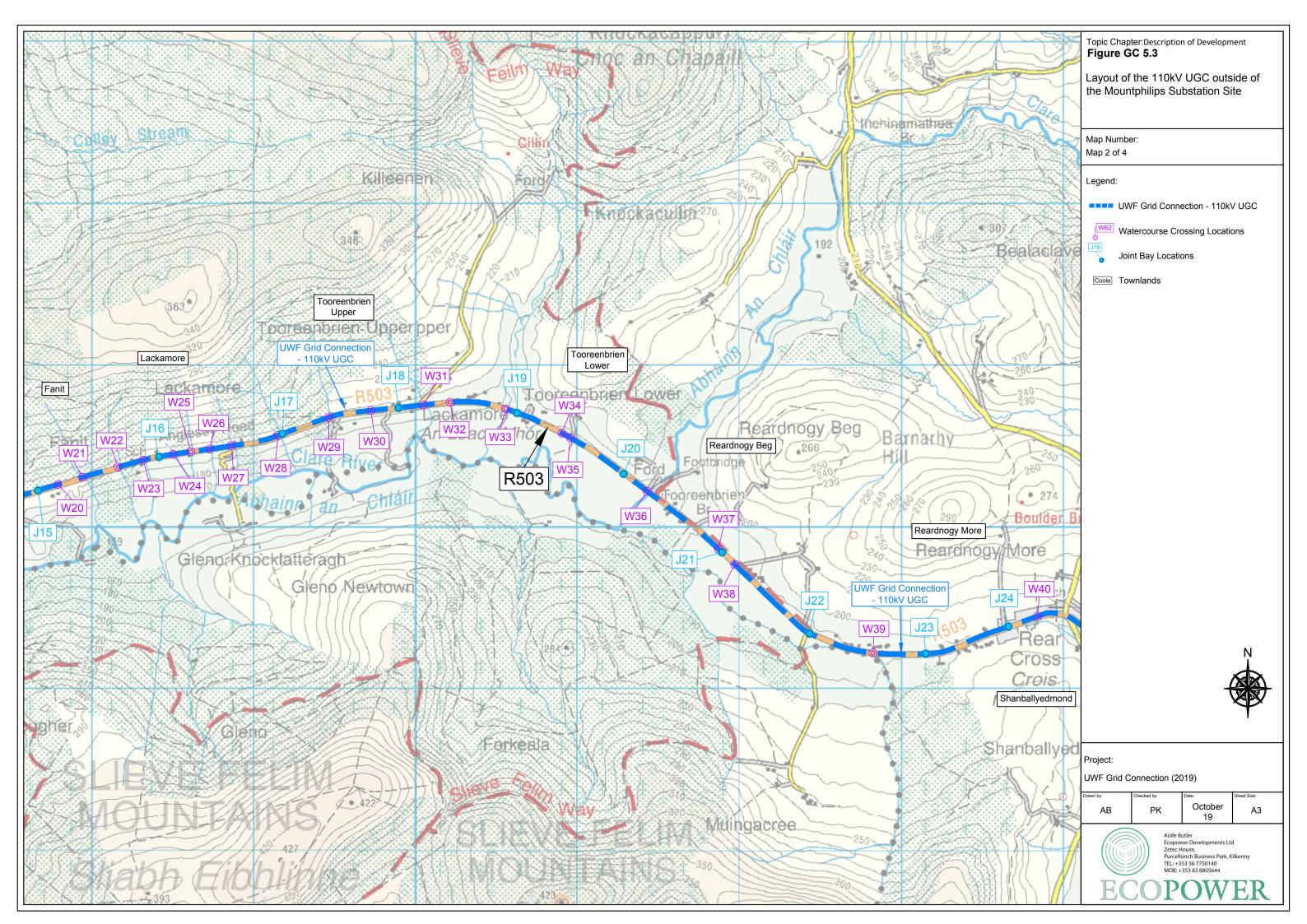
Layout of the Mountphilips Substation Site on Aerial Photography Mapping

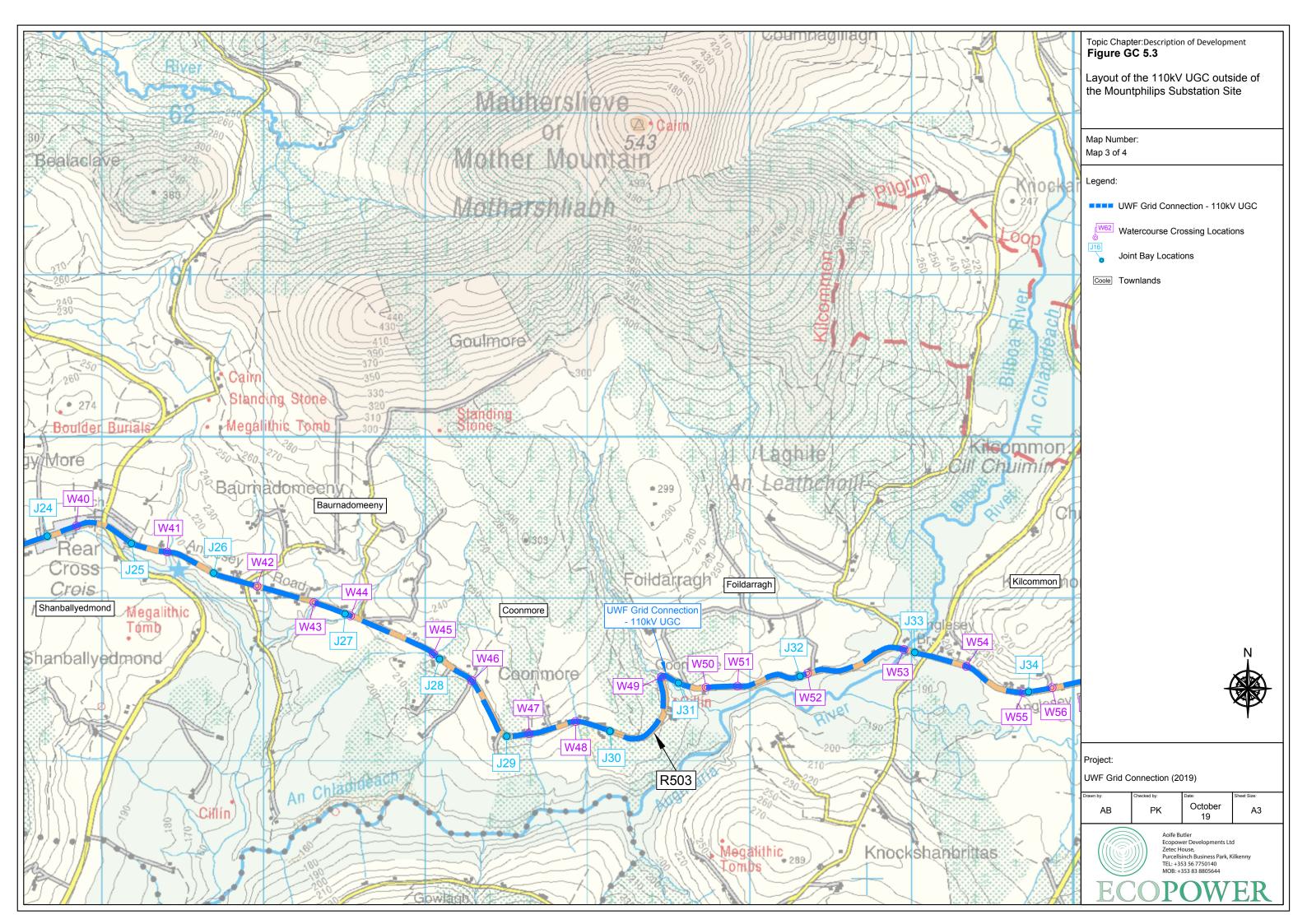
Map Number: Map 1 of 1

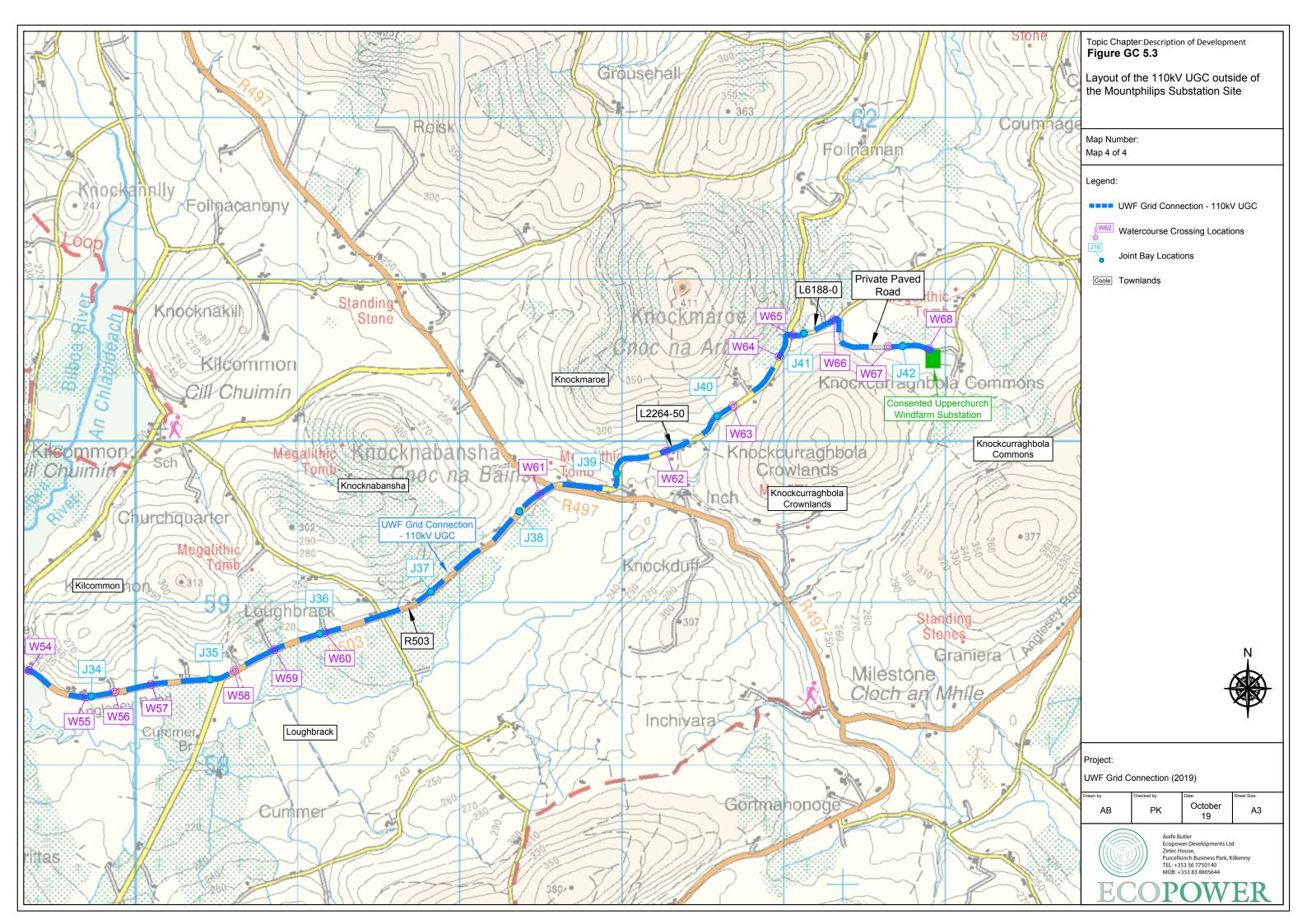
Legend:				
		PROP	<u>OSED</u>	
	UW	F Grid Conne	ction - 110kV	UGC
	110	kV Substation	Compound	
J16	Joir	t Bay Location	n	
	New Permanent Access Road			
-		manent Berms gerow planted		
-	Nen		le from the Ki HL into Mount	
82 23	End	Masts		
	End	Masts tempo	rary crane har	dstands
W3	Wat	ercourse Cros	ssings	
	Cor	crete Washou	ıt	
_	Dirt	y water drain		
	Set	lement Pond		
-	Clea	an water drain		
-	Hedgerow/tree removal at site entrance within visual splay and replanted behind sightlines			
	Permanent hedge/tree removal at watercourse crossings W2 and W3			
一一	New Field Gate			
	Temporary Construction Compound			
_	Temporary Access Road			
-	Mountphilips Substation Site Construction Works Boundary			
EXISTING				
=	Exis	ting Killonan t	o Nenagh 110	KV OHL
L-2166-10	Pub	lic Road Ident	ification Num	^{ber} N
_	Pub	lic Road		Å
Mountphilips Townlands				
Project:	Project [.]			
	-			
UWF Grid Connection (2019)				
Drawn by: AB		Checked by: PK	Date: October 19	Sheet Size: A3
Aoife Butler Ecopower Developments Ltd Zetec House, Purcellsinch Business Park, Kilkenny TEL: +353 66 7750140 MOB: +353 83 8805644				
ECOPOWER				

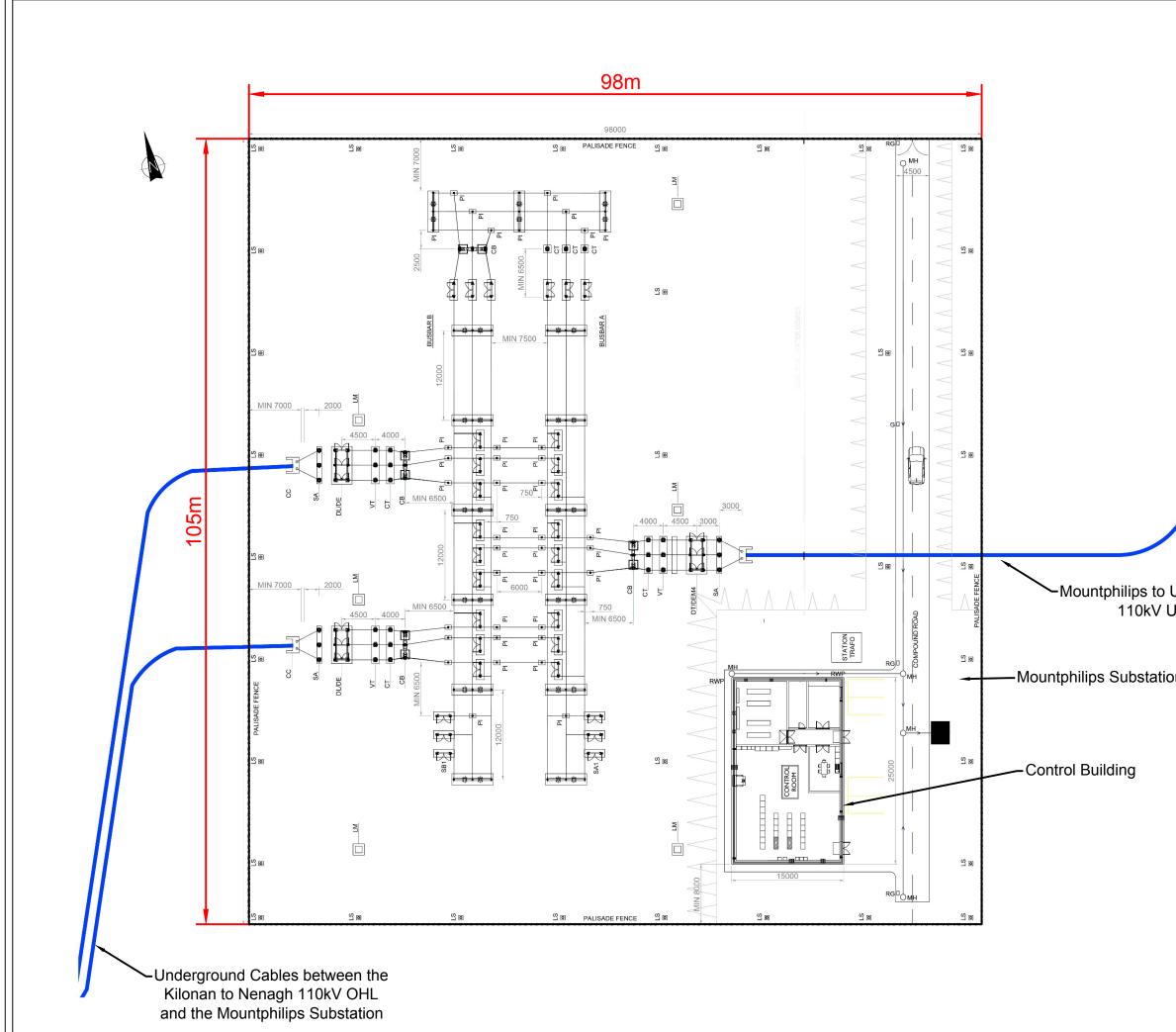




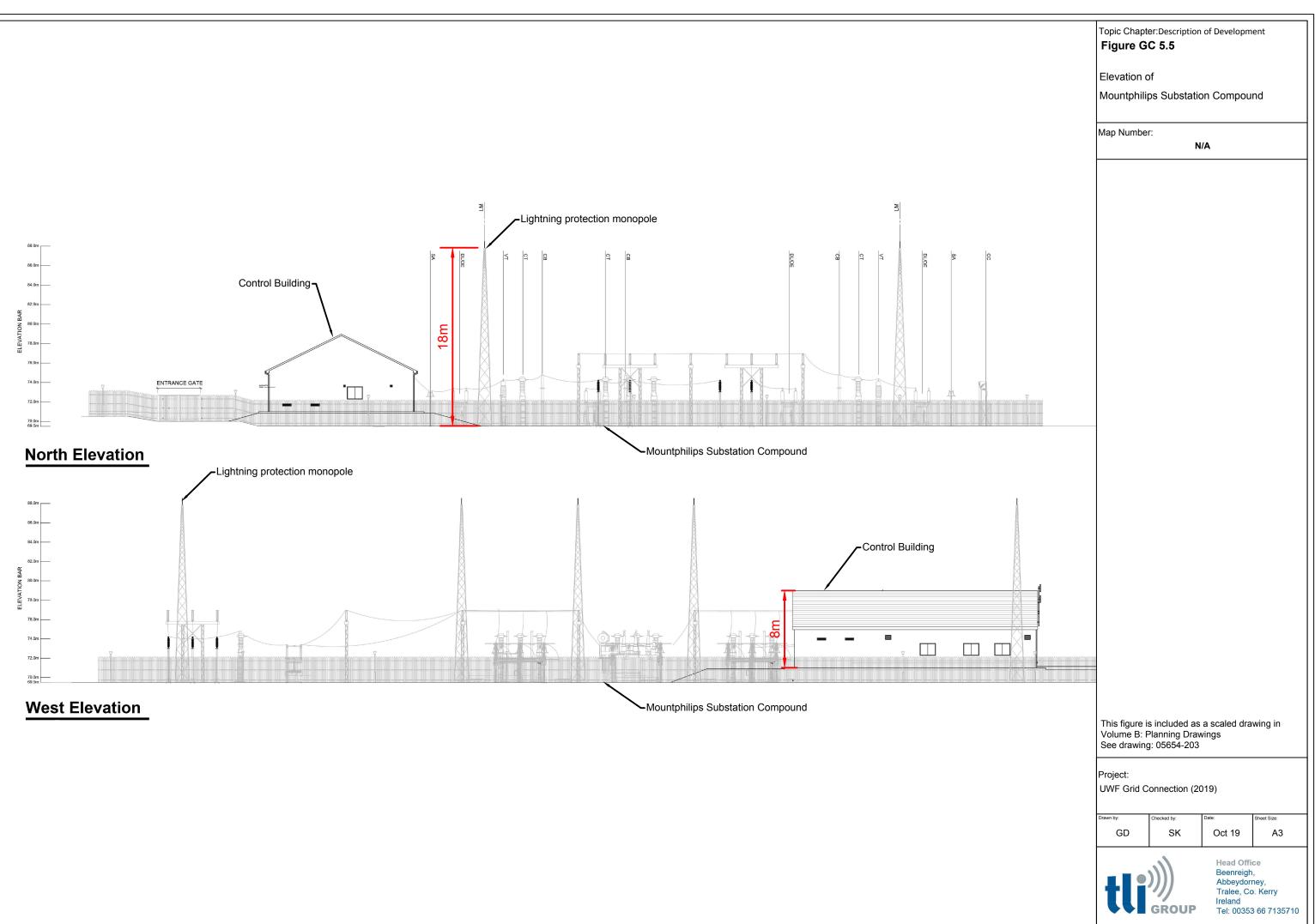


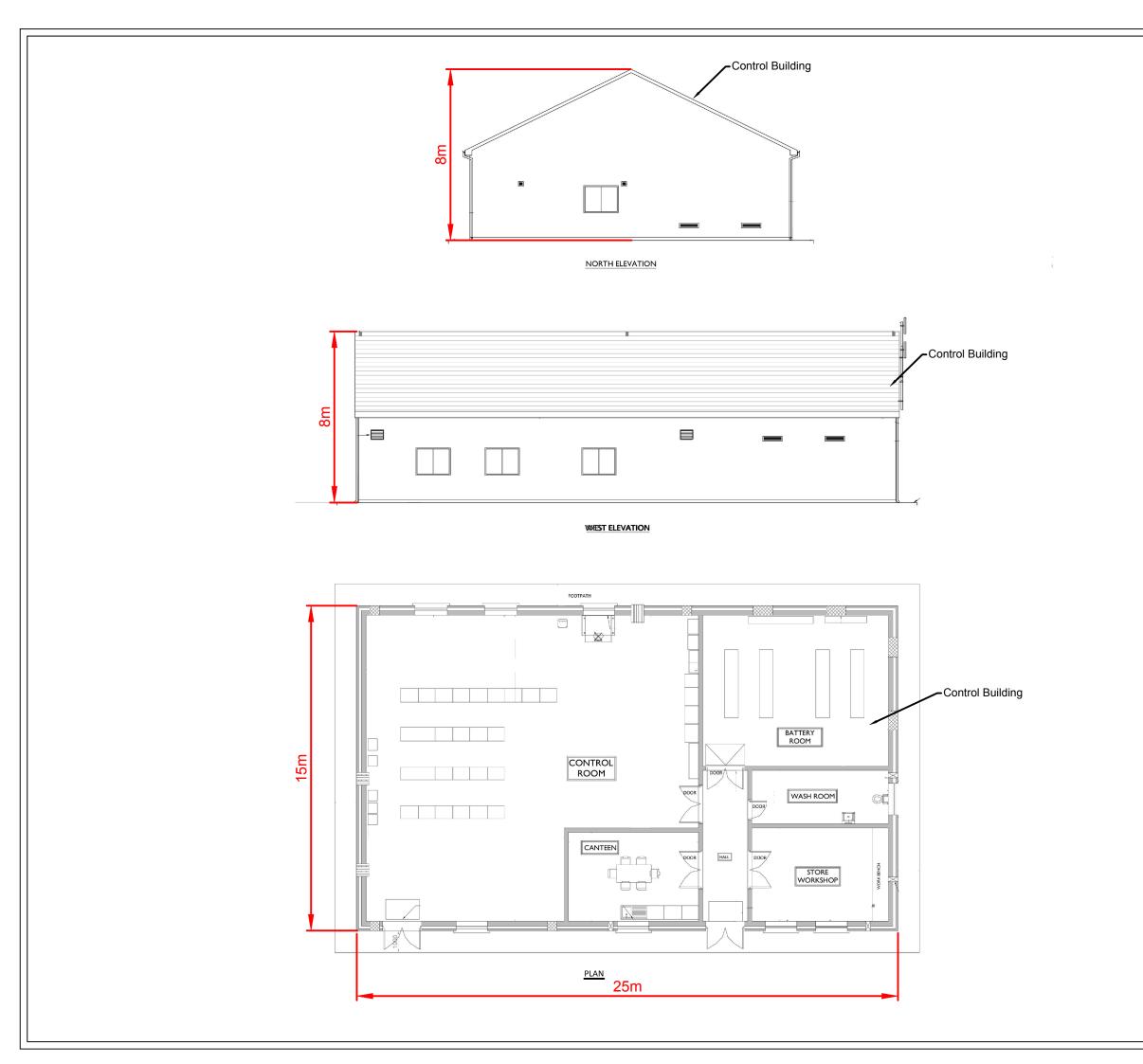






	Topic Chapter:Description of Development Figure GC 5.4
	Plan of Mountphilips Substation Compound
	Man Number:
	Map Number: N/A
Upperchurch	
JGC	
on Compound	
	This figure is included as a scaled drawing in Volume B: Planning Drawings
	See drawing: 05654-202
	Project
	Project: UWF Grid Connection (2019)
	Drawn by: Checked by: Date: Sheet Size:
	GD SK Oct 19 A3
	Head Office
	Beenreigh,
	Abbeydorney, Tralee, Co. Kerry
	Head Office Beenreigh, Abbeydorney, Tralee, Co. Kerry Ireland Tel: 00353 66 7135710





Topic Chapter:Description of Development
Figure GC 5.6

Plan and Elevation of the Control Building at Mountphilips Substation

Map Number:

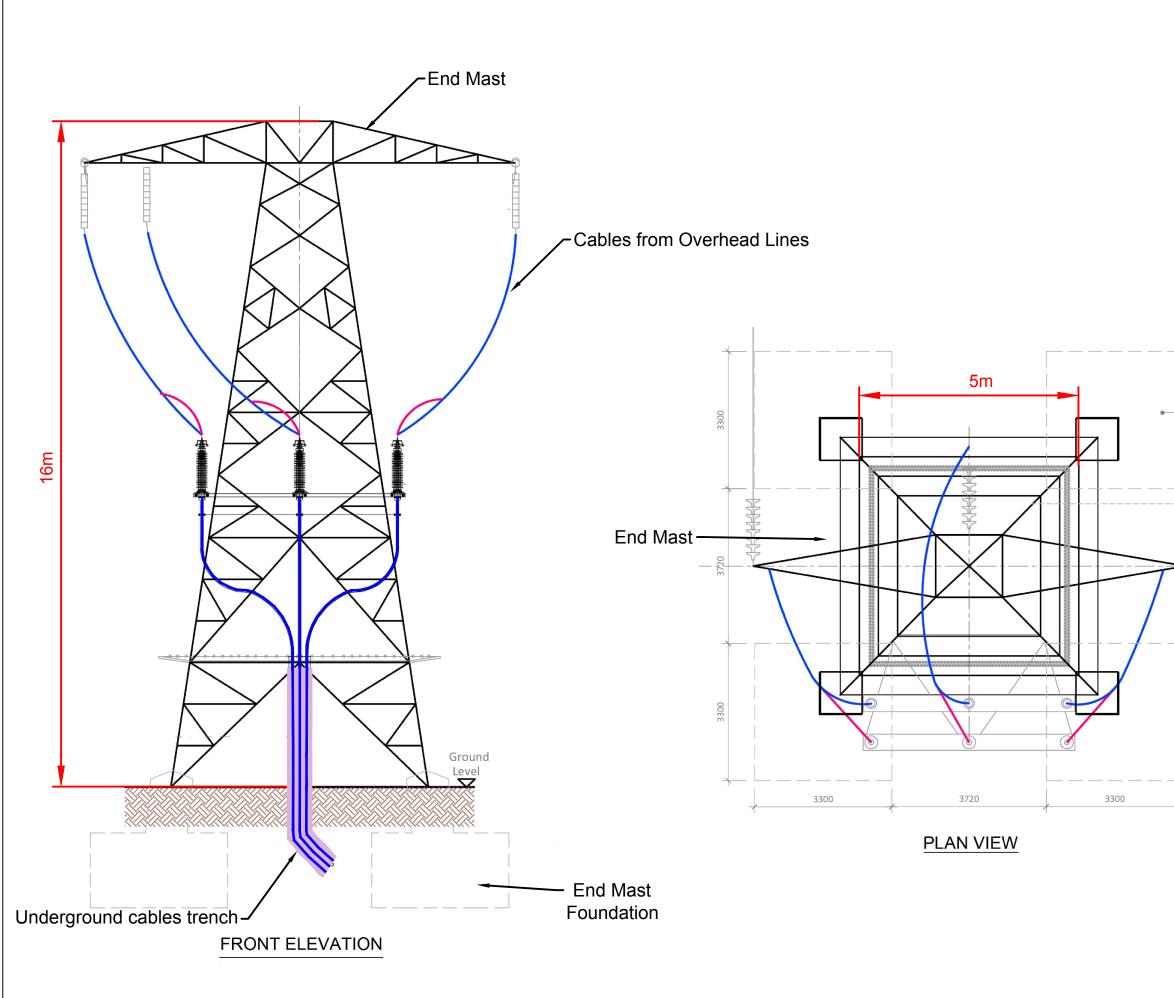
N/A

This figure is included as a scaled drawing in Volume B: Planning Drawings See drawing: 05654-204 & 05654-205

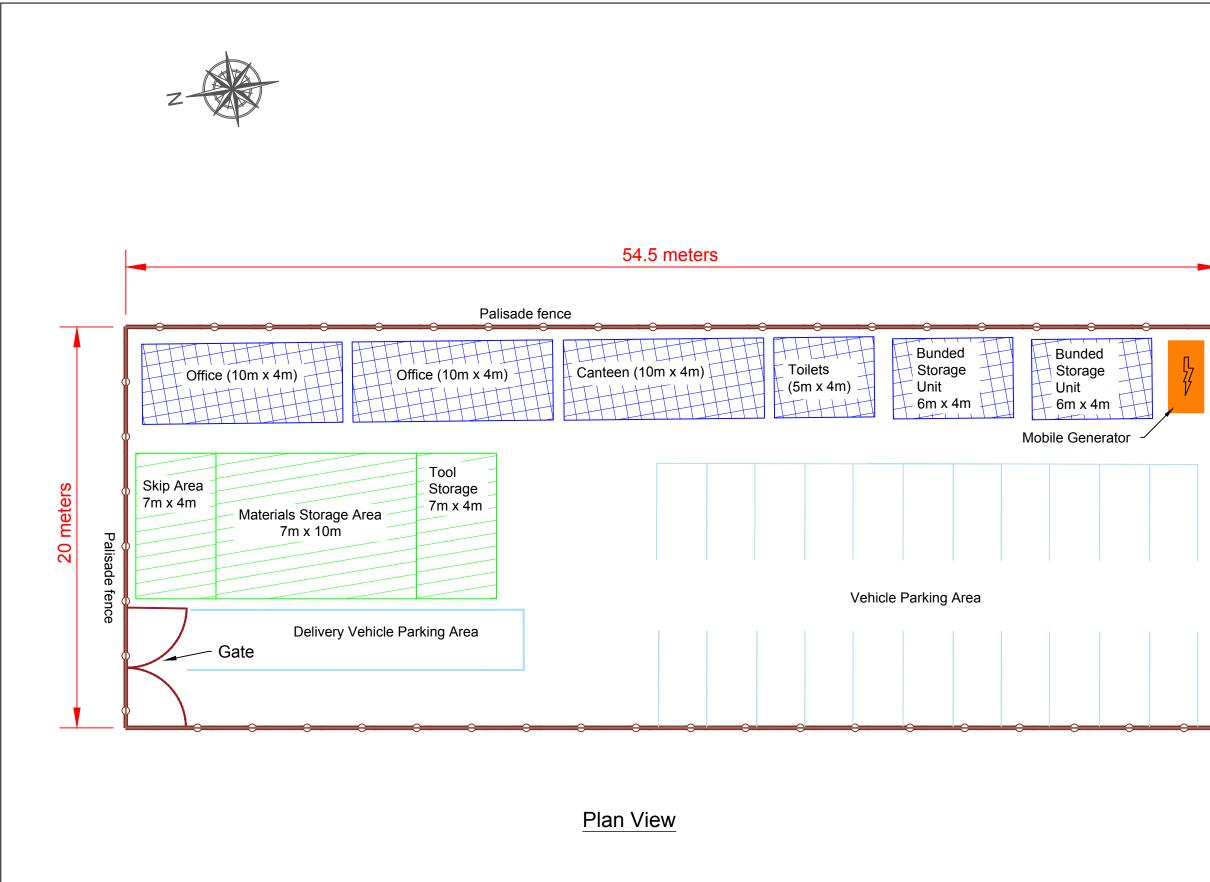
Project:

UWF Grid Connection (2019)

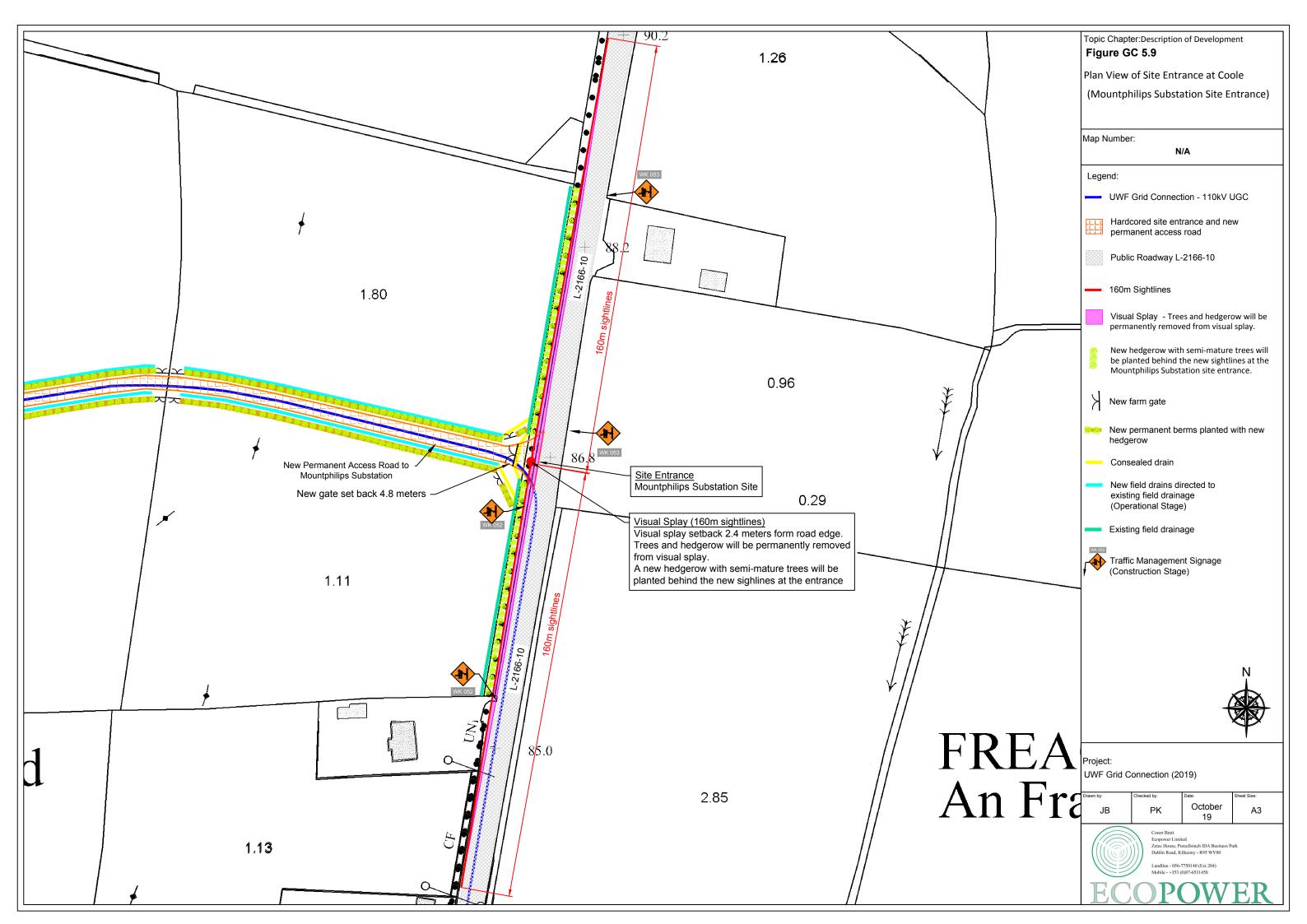
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tli)))) GROUP	Head Offi Beenreigh Abbeydorr Tralee, Co Ireland Tel: 00353	, ney,

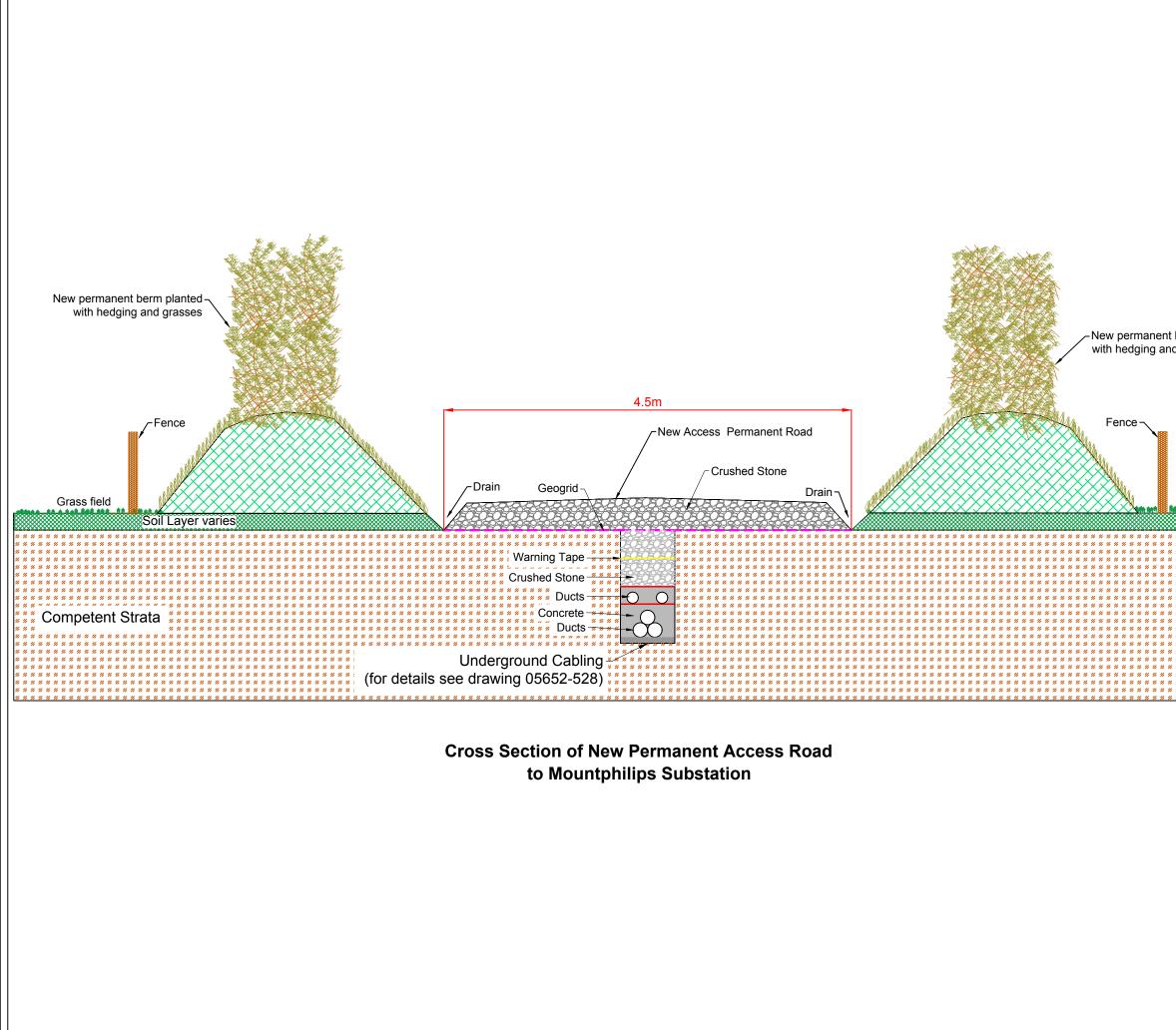


	Topic Chapter:Description of Development Figure GC 5.7
	Plan and Elevation of the End Masts at
	Mountphilips Substation
	Mag Marshar
	Map Number: N/A
Foundat	on
_	
1	
	This figure is included as a scaled drawing in Volume B: Planning Drawings See drawing: 05654-206
	Project:
	UWF Grid Connection (2019)
	Drawn by: Checked by: Date: Sheet Size:
	GD SK Sep 19 A3
	Head Office Beenreigh, Abbeydorney, Tralee, Co. Kerry Ireland Tel: 00353 66 7135710

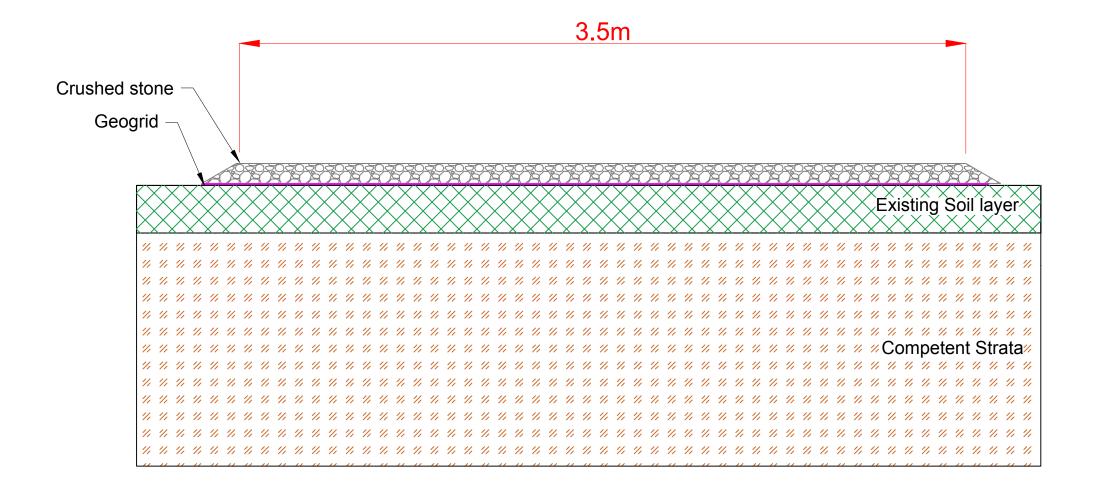


	Topic Chapter:Description of Development Figure GC 5.8			
	Plan View of the Temporary Construction Compound at Mountphilips Substation			
	Map Number: N/A			
	Notes:			
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P				
Palisade fence				
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	Project:			
	UWF Grid Connection (2019) Drawn by: Checked by: Date: Sheet Size:			
	CB PK October A3			
	Conor Brett Ecopower Limited Zetec House, Purcellsinch IDA Business Park Dublin Road, Kilkenny - R95 WV80 Landline - 056-7750140 (Ext 204) Mobile - #353 (0)87-6531458			
	ECOPOWER			



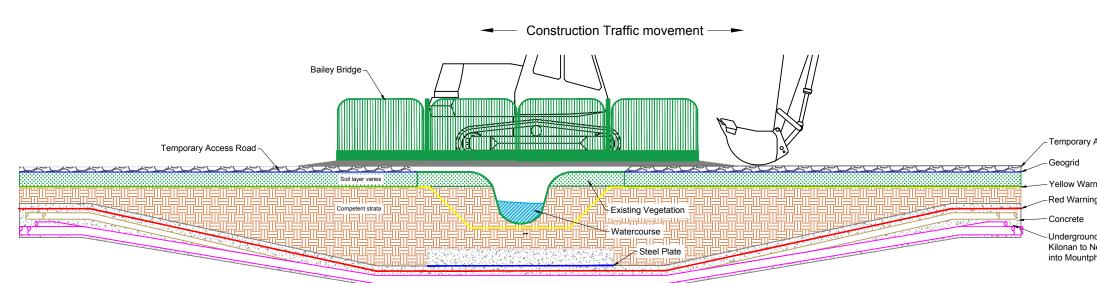


	Topic Chapte	er:Description C 5.10	of Developm	ent
	Cross Sect	ion of New	Permanent	Access
	Road at Mo	ountphilips \$	Substation	
	Map Number	:		
		N	/A	
berm planted				
d grasses				
Grass field				
× × × × × × × × × × × × × × × × ×				
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	Project:			
	UWF Grid C	onnection (20)19)	
	Drawn by:	Checked by:	Date:	Sheet Size:
	JB	PK	Oct 19	A3
			rcellsinch IDA Business I	Park
		Dublin Road, Ki Landline - 056-7	ilkenny - R95 WV80 7750140 (Ext 204)	
		Mobile - +353 (0	0)87-6531458	
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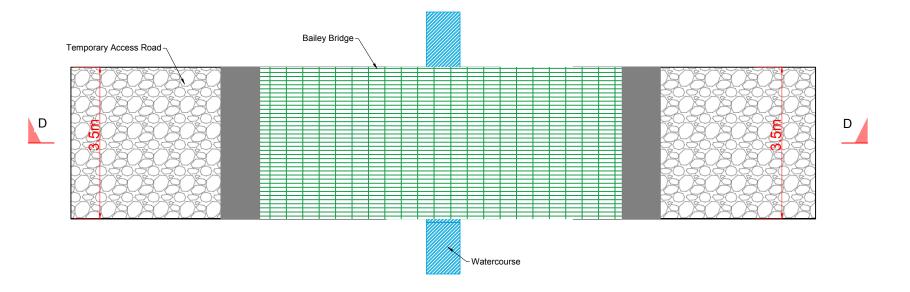


Cross Section of Temporary Access Road

at Mountph	ilips Subst	ation	
Map Number		I/A	
Project:			
UWF Grid Co	onnection (2	019)	
		Date:	Sheet Size:

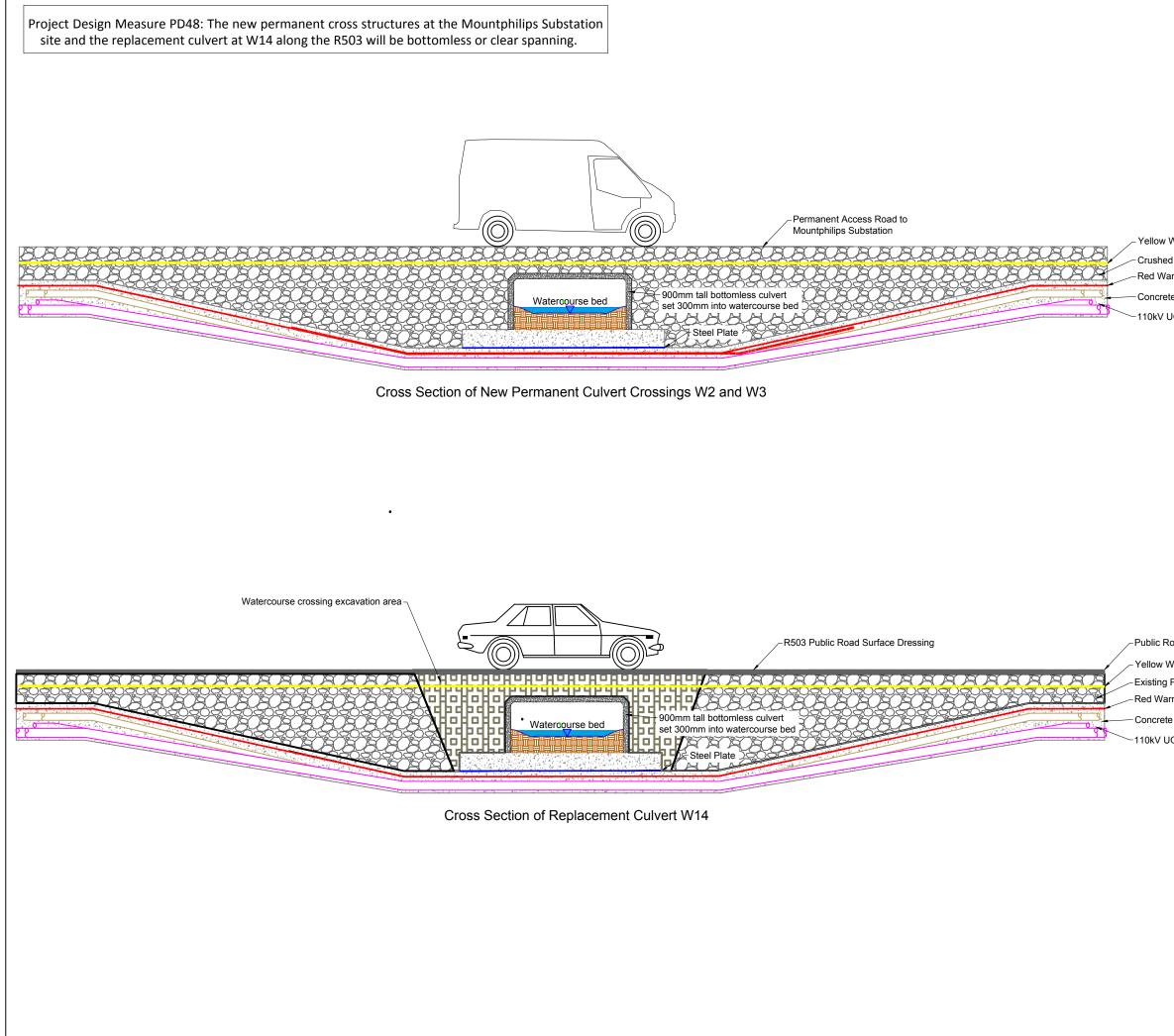


Cross Section D - D

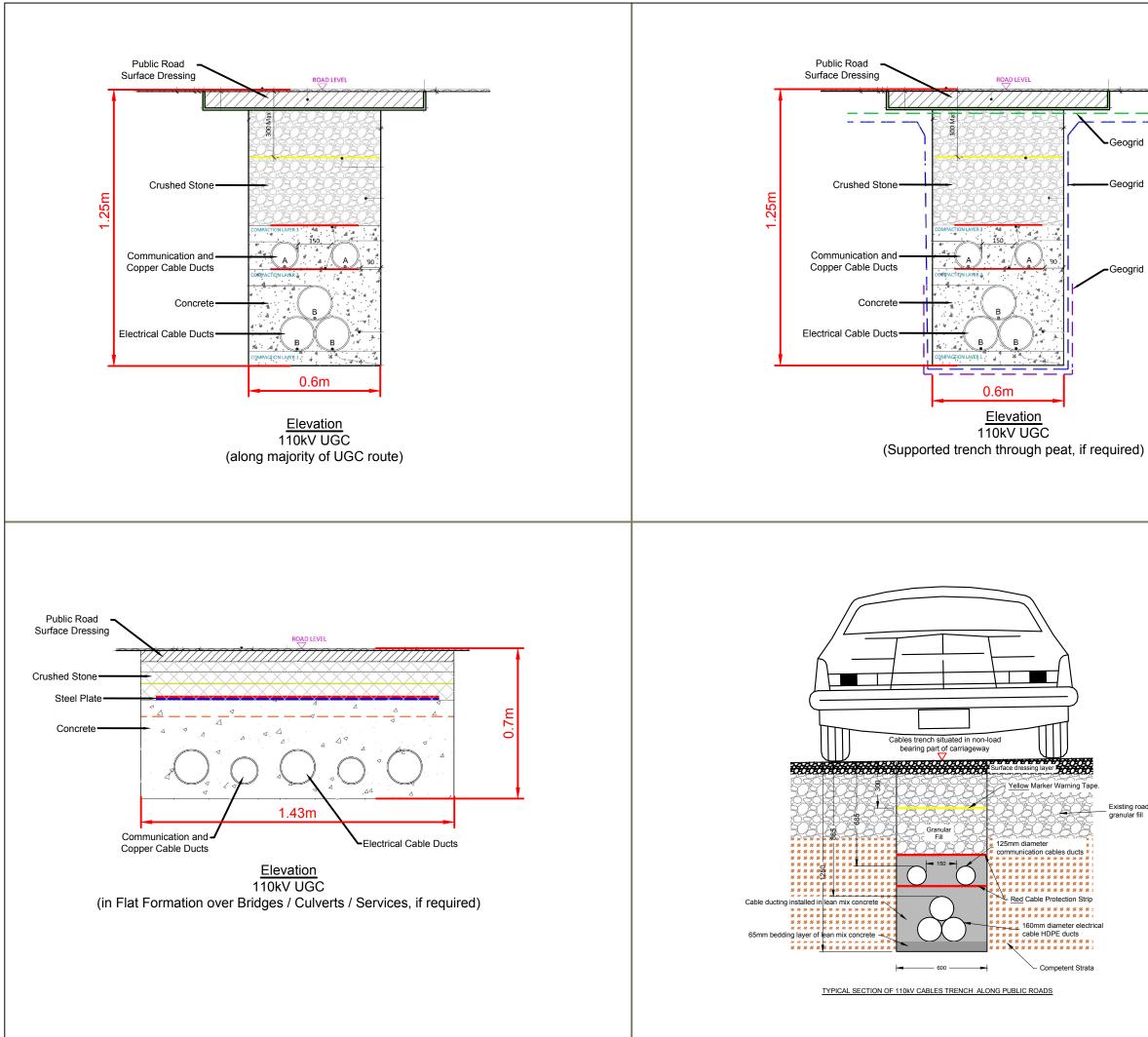


Plan View

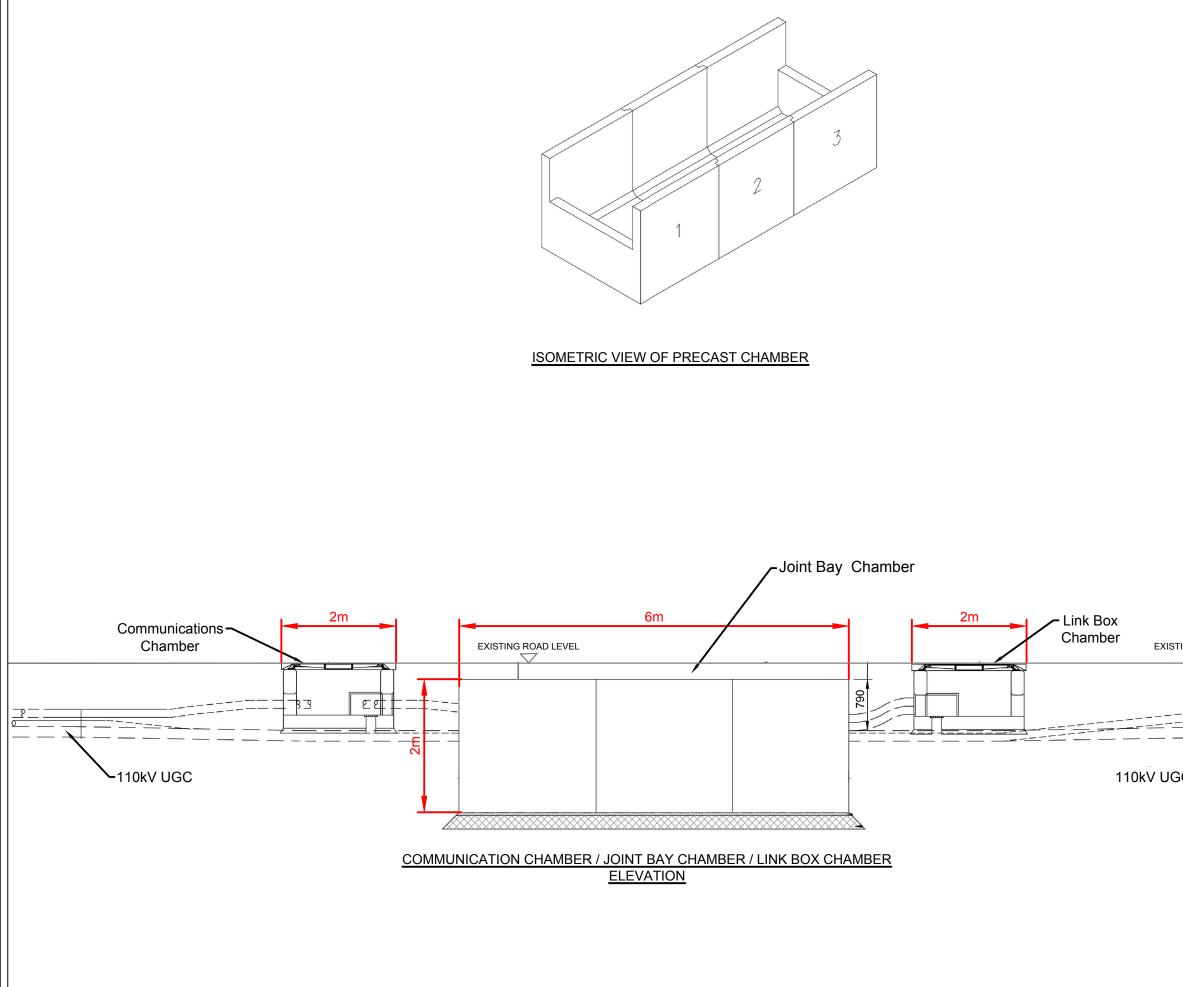
	Topic Chapt Figure G	er:Description C 5.12	of Developm	ent
	Cross Sect	tions of Ten	nporary Ba	iley Bridge
	Crossing a	it Mountph	ilips Substa	ation Site
		elevant to w Mountphilip		
	the Kilona	und cables s an to Nenag ips Substati	h 110kV Ol	
	road used constructi	y crossing a l to access l on. Once co the tempor	End Masts on Instruction	during is
Access Road	temporary			moved and
ning Tape g Tape				
d Cables from the lenagh 110kV OHL hilips Substation				
	Project:			
		onnection (20)19)	
	Drawn by: JB	Checked by: PK	Date: October 19	Sheet Size: A3
		Dublin Road, K	rcellsinch IDA Business I ilkenny - R95 WV80 7750140 (Ext 204)	Park
	EC	OP	OW	ER



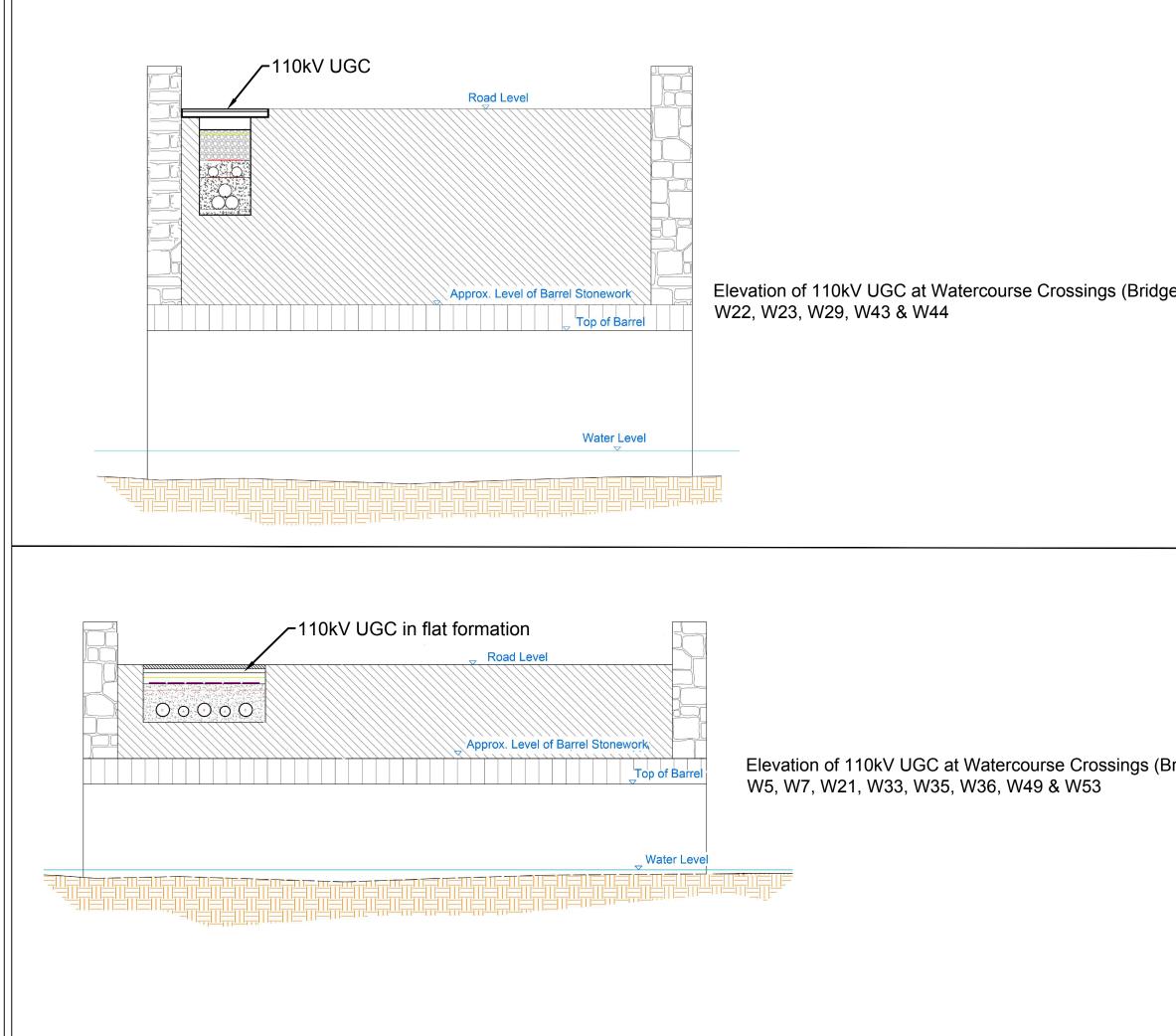
	Topic Chapter:Description of Development Figure GC 5.13
	Cross Sections of New Permanent Culverts
	W2 and W3 at Mountphilips Substation
	Site and Replacement Culvert W14 along
	the 110kV UGC
	Note:
	Drawing relevant to new permanent culvert crossings W2 and W3 along the new permanent access road to Mountphilips Substation and culvert replacement W14 along the public road.
Warning Tape d Stone	At least 900mm tall bottomless culvert to be used, set 300mm into stream bed.
arning Tape te JGC	Road surface at W2 and W3 will be finished in crushed stone, road surface at W14 will be finished with public road surface dressing
oad Surface Dressing	
Varning Tape	
Public Road Build Up	
rning Tape e	
IGC	
	Project:
	UWF Grid Connection (2019)
	Drawn by: Checked by: Date: Sheet Size:
	CB JB October A3
	Conor Brett Ecopower Limited Zetee House, Parcellsinch IDA Business Park Dublin Road, Kilkenny - R95 WV80 Landline - 056-7750140 (Ext 204)
	Landune + 0.007/10/100 (EX 200) Mobile - +353 (0)87-6531458
	ECOPOWER



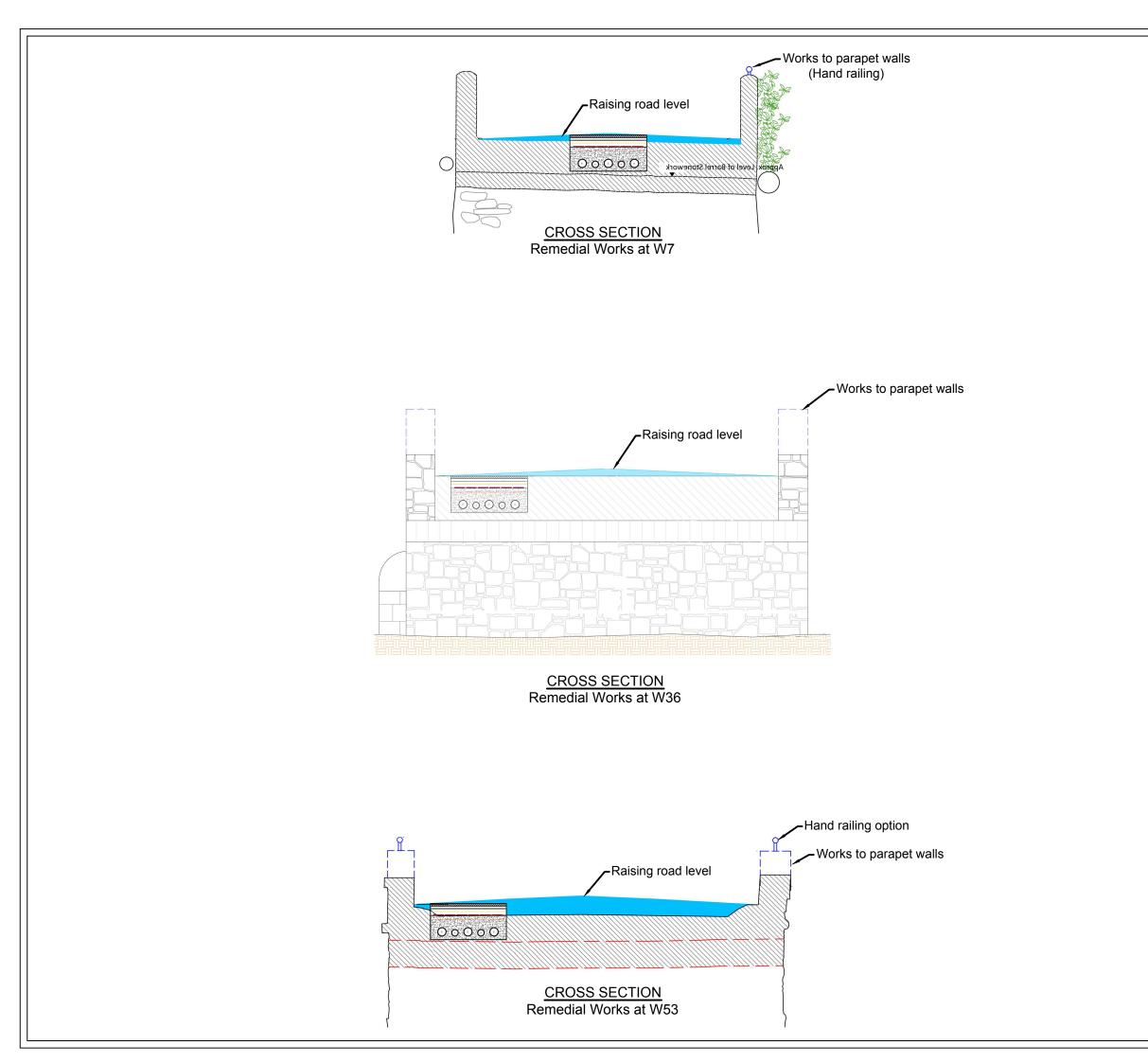
	Topic Chapter:Description of Development Figure GC 5.14
	Cross Sections of 110kV UGC
	in the Public Road
	Map Number: N/A
	This figure is included as a scaled drawing in
I	Volume B: Planning Drawings See drawings: 05652-529, 05652-530 & 05652-549
	Project: UWF Grid Connection (2019)
	Drawn by: Checked by: Date: Sheet Size: GD SK Oct 19 A3
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	Beenreigh, Abbeydorney,
	Tralee, Co. Kerry Ireland Tel: 00353 66 7135710
	GROUP Tel: 00353 66 7135710



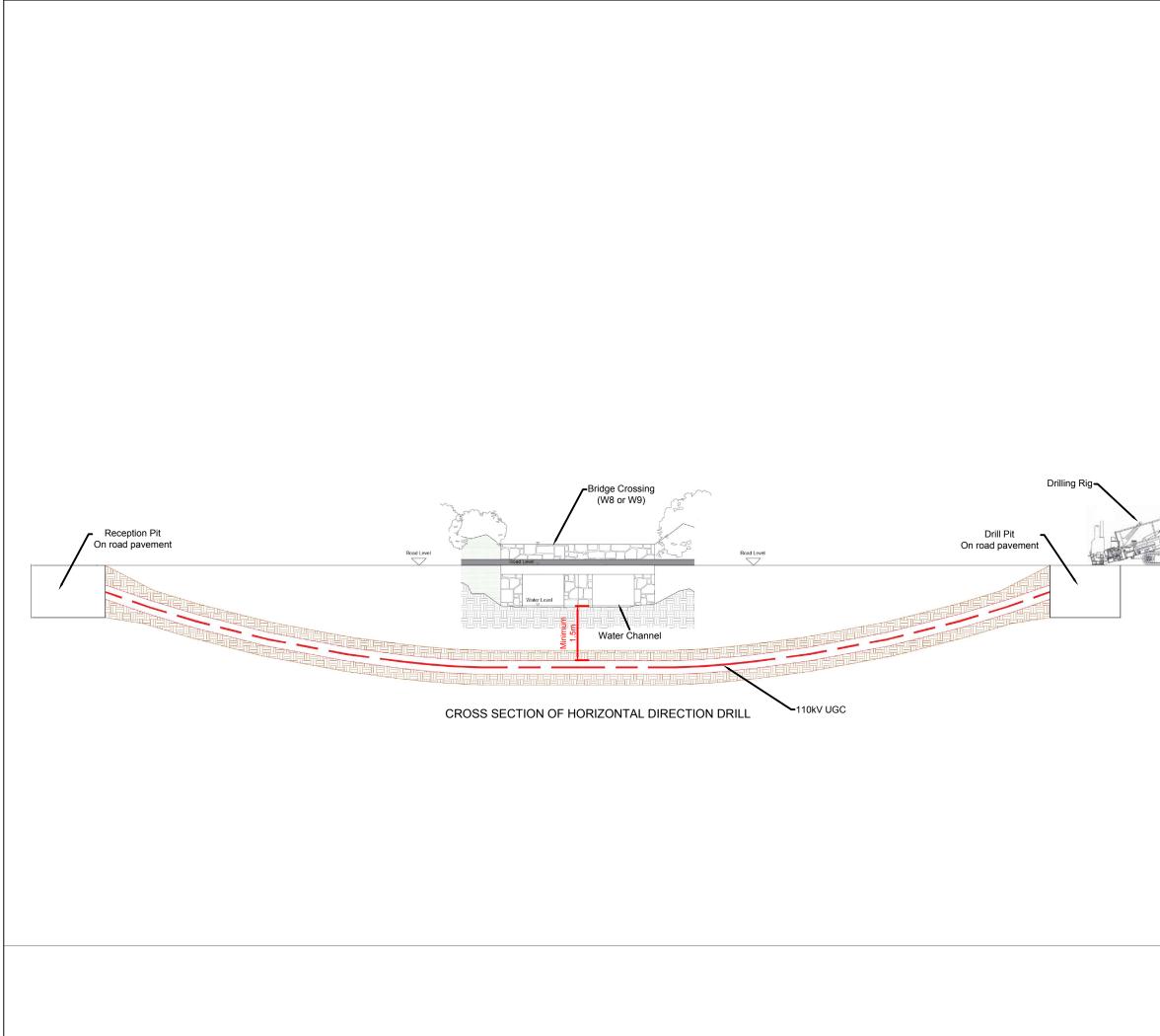
	Topic Chapter:Description of Development Figure GC 5.15 Views of 110kV UGC Joint Bay
	Map Number: N/A
FING ROAD LEVEL	
sc-	This figure is included as a scaled drawing in Volume B: Planning Drawings See drawing: 05652-531
	Project: UWF Grid Connection (2019)
	Drawn by: Checked by: Date: Sheet Size: GD SK Oct 19 A3
	Head Office Beenreigh, Abbeydorney, Tralee, Co. Kerry Ireland Tel: 00353 66 7135710



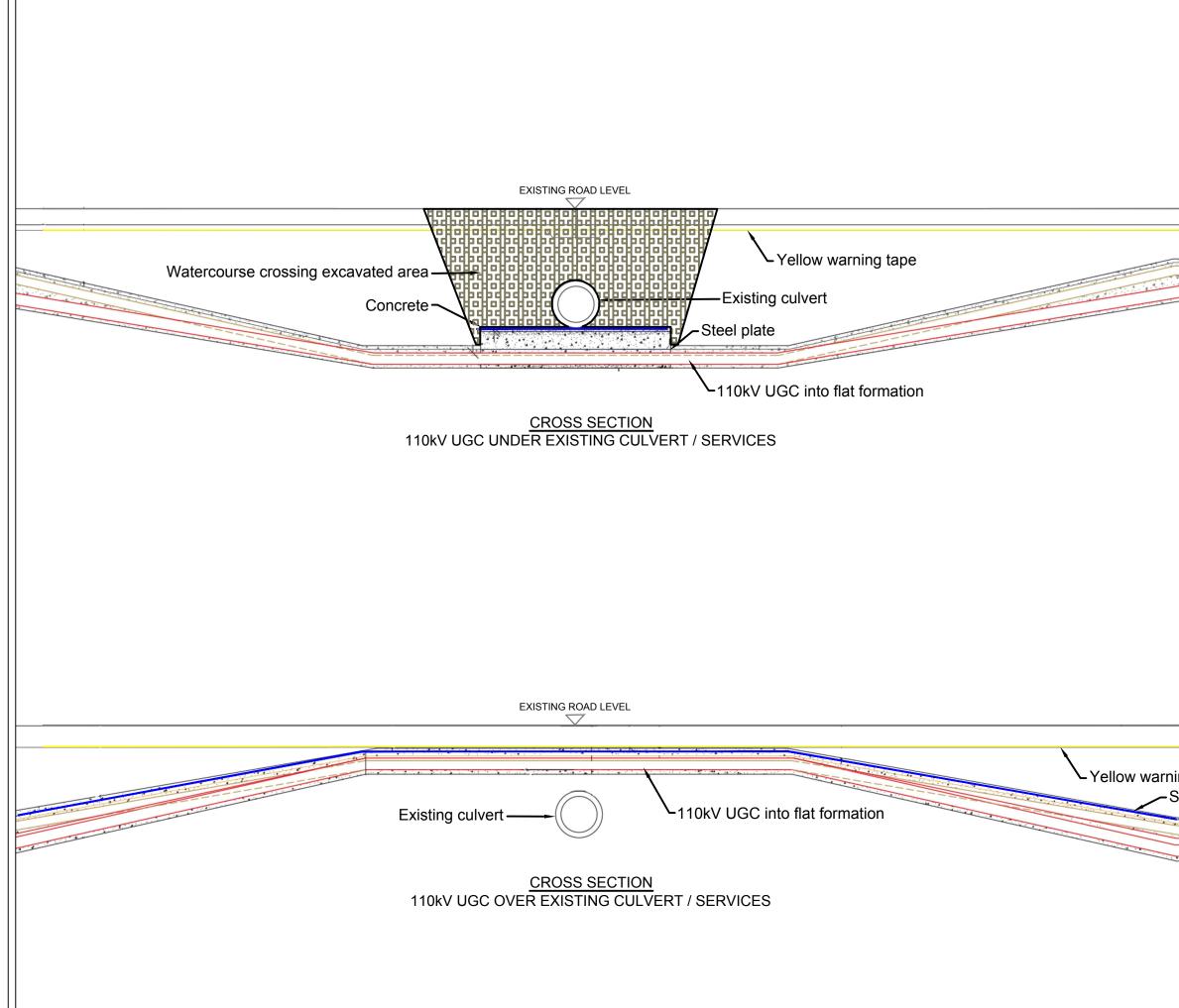
	Topic Chapter:Description Figure GC 5.16	of Developm	ent	
	Cross Sections of 110kV UGC			
	at Bridge Crossing Map Number:			
	N/	/Α		
es)				
ridges)	This figure is included as	a scaled drav	wing in	
	This figure is included as a scaled drawing in Volume B: Planning Drawings See drawings: 05652-519 - 05652-527 05652-535 - 05652-539 05652-544 - 05652-547			
	Project: UWF Grid Connection (2019)			
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		Abbeydon Tralee, Co Ireland	ney,	
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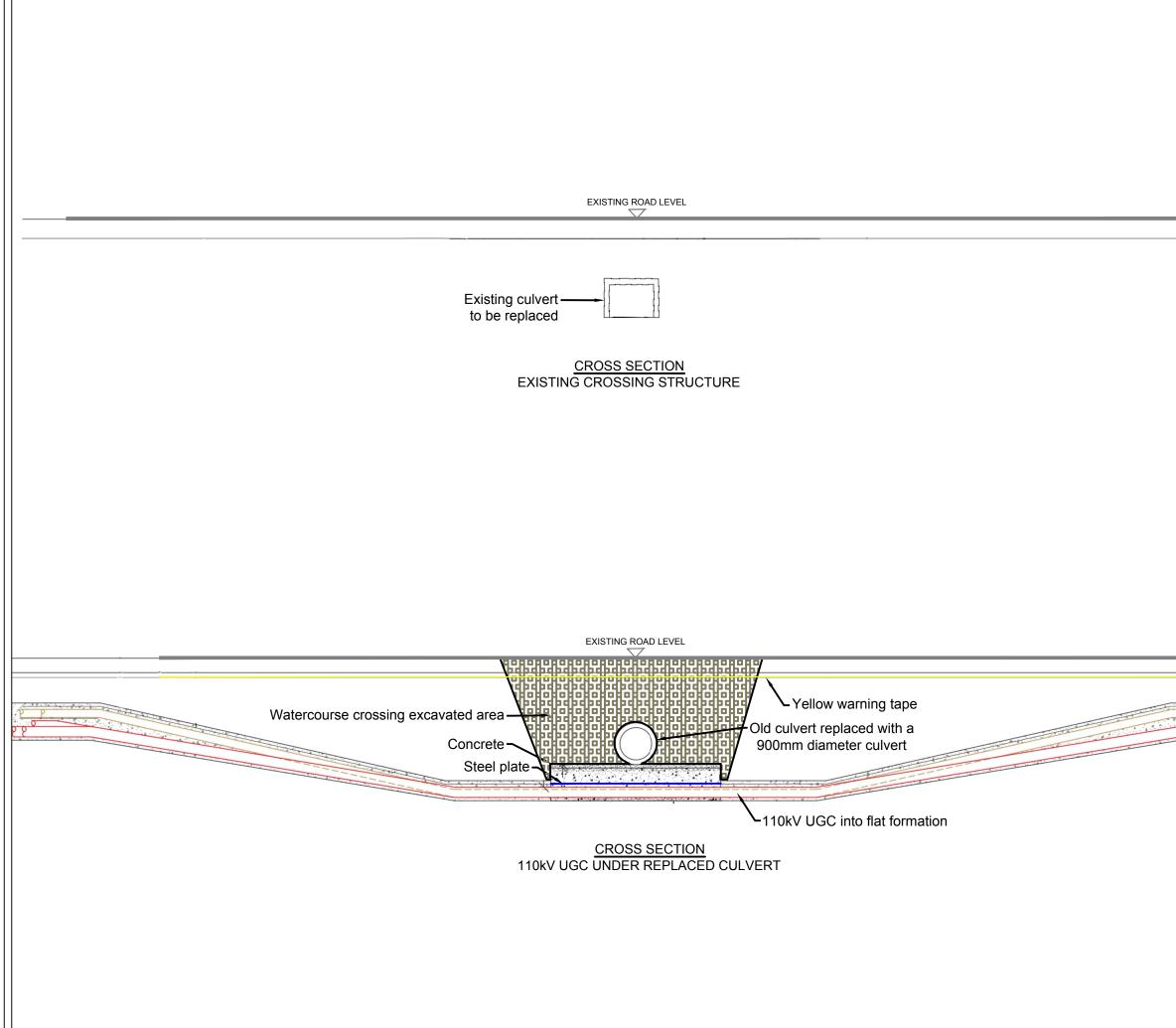
	Works to		
at w/, w	36 and W53	5	
Map Numbe		I/A	
	ľ		
This figure Volume B:	is included a Planning Dra	s a scaled dra wings	awing in
See drawir	0	52-545 & 0568 52-536 - 0565	
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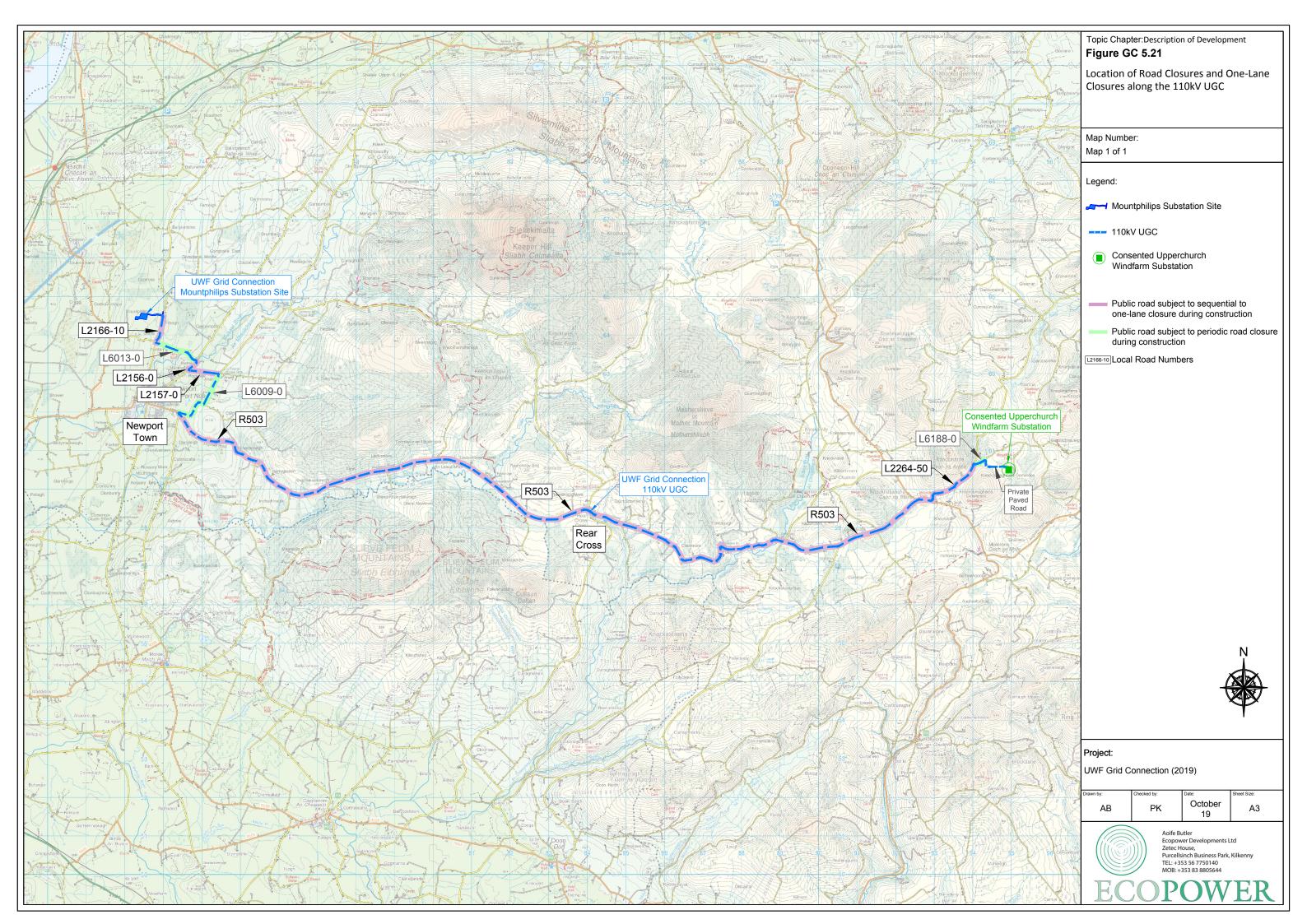
Topic Chapter:Description of Development Figure GC 5.18		
Horizontal Directional Drilling at W8 and W9		
Map Number: N/A		
This figure is included as a scaled drawing in Volume B: Planning Drawings See drawings: 05652-546 & 05652-547		
Project: UWF Grid Connection (2019)		
 Drawn by: Checked by: Date: Sheet Size: GD SK Oct 19 A3		
Head Office Beenreigh, Abbeydorney, Tralee, Co. Kerry Ireland Tel: 00353 66 7135710		

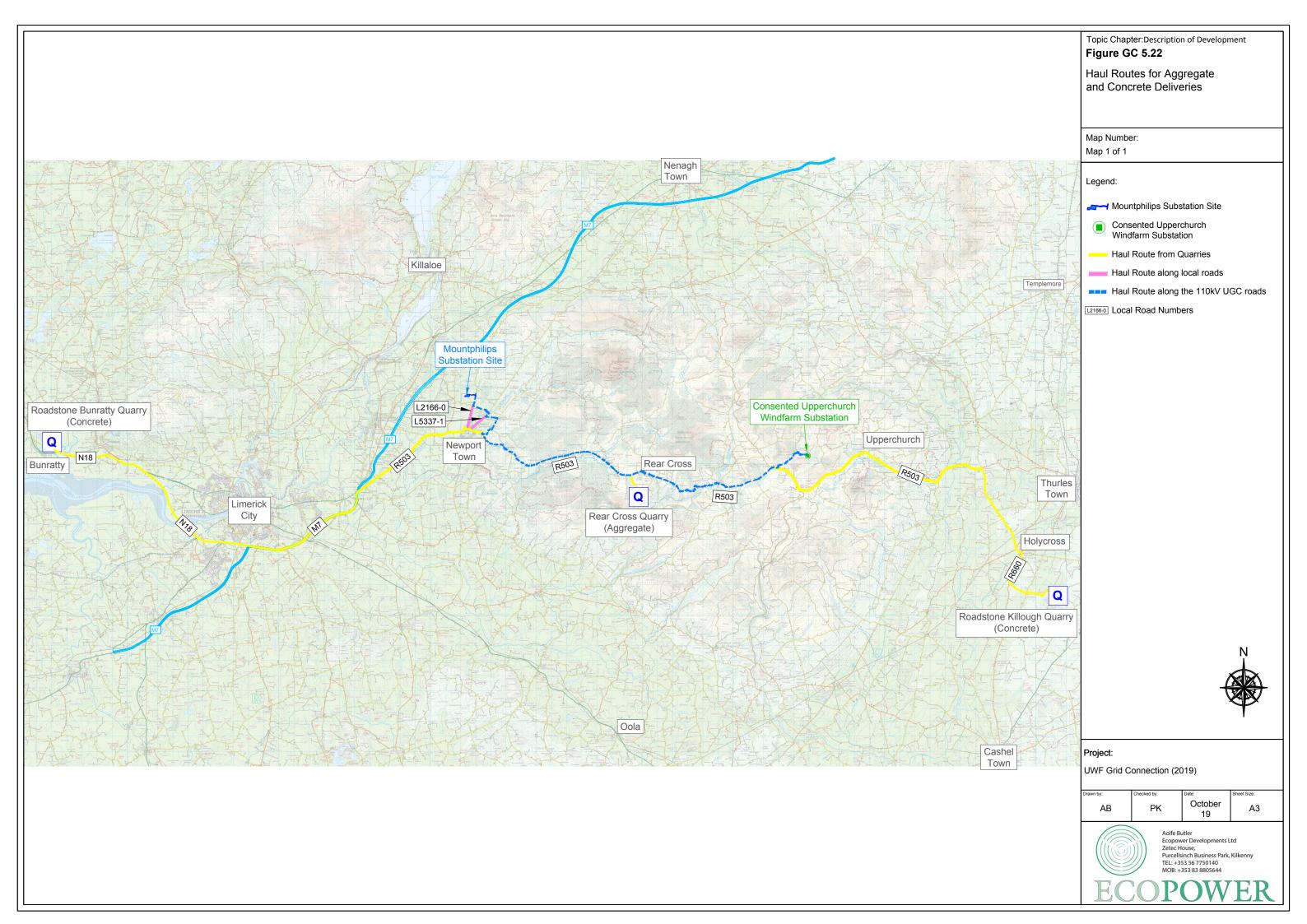


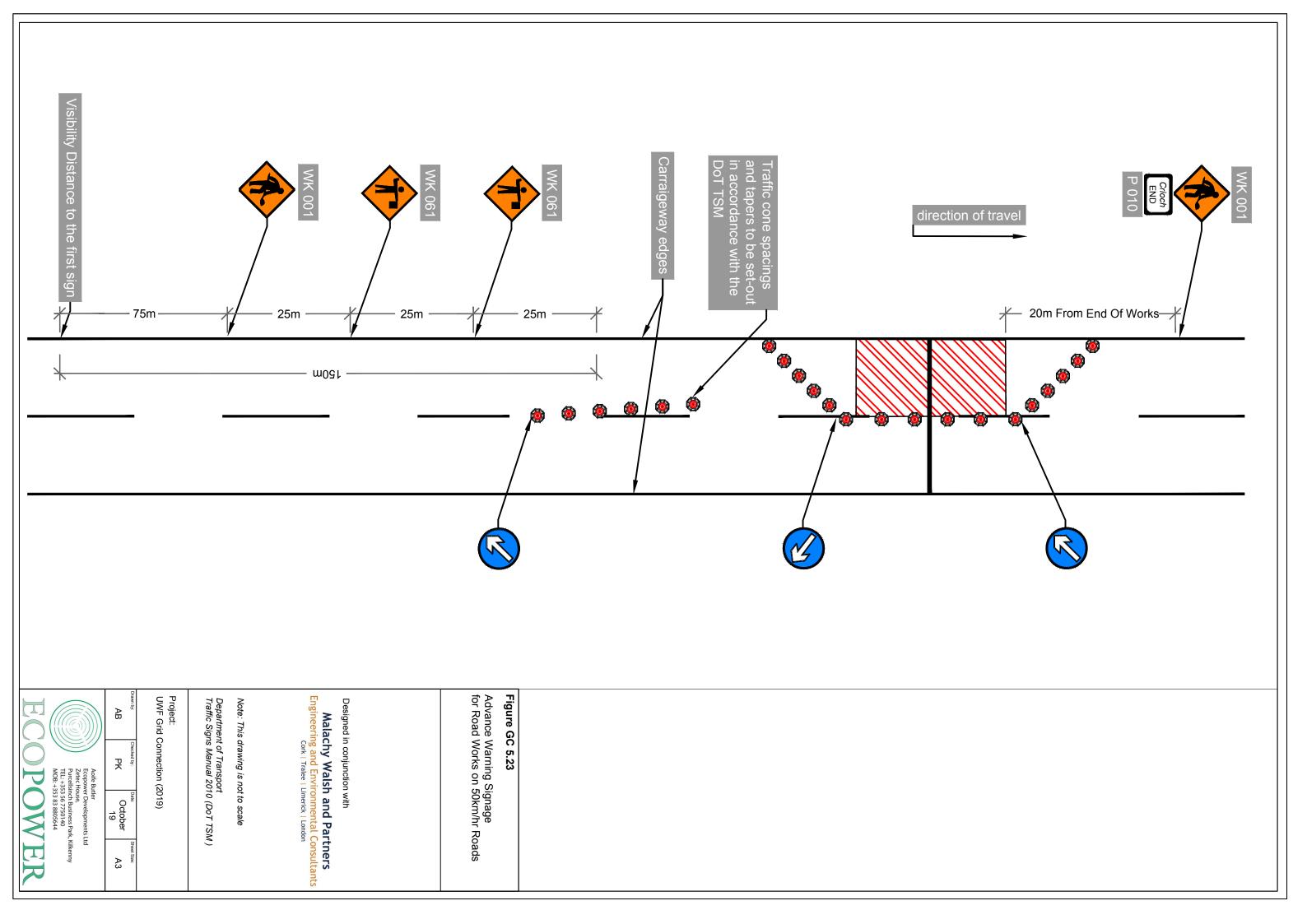
	Topic Chapter:Description of Development Figure GC 5.19		
	Cross Sections of 110kV UGC over and under existing culverts / services		
	Map Number: N/A		
ing tape Steel plate	This figure is included as a scaled drawing in Volume B: Planning Drawings See drawings: 05652-533 & 05652-534		
<u> </u>	Project: UWF Grid Connection (2019)		
	Drawn by: Checked by: Date: Sheet Size: GD SK Oct 19 A3		
	Head Office Beenreigh, Abbeydorney, Tralee, Co. Kerry Ireland Tel: 00353 66 7135710		

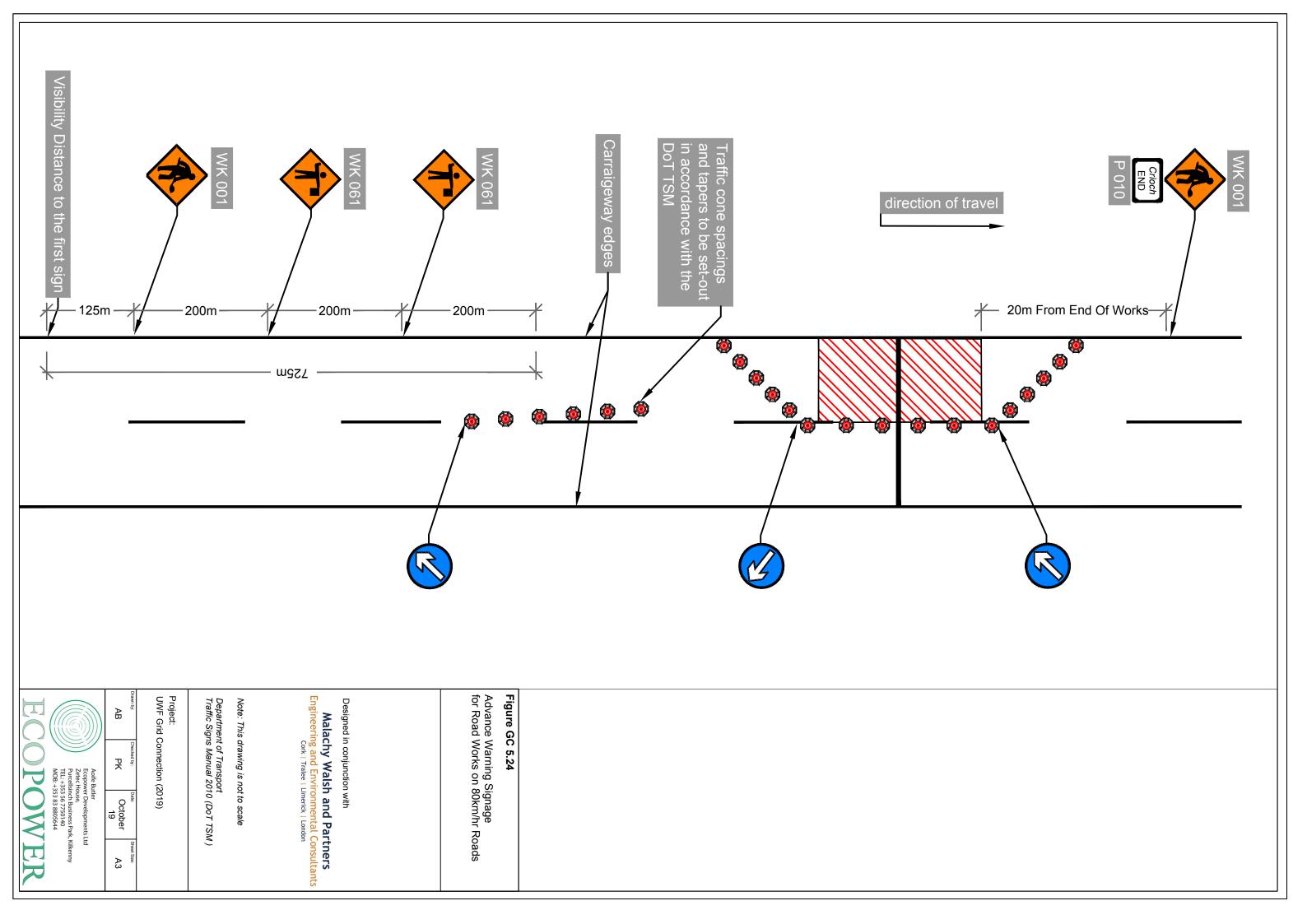


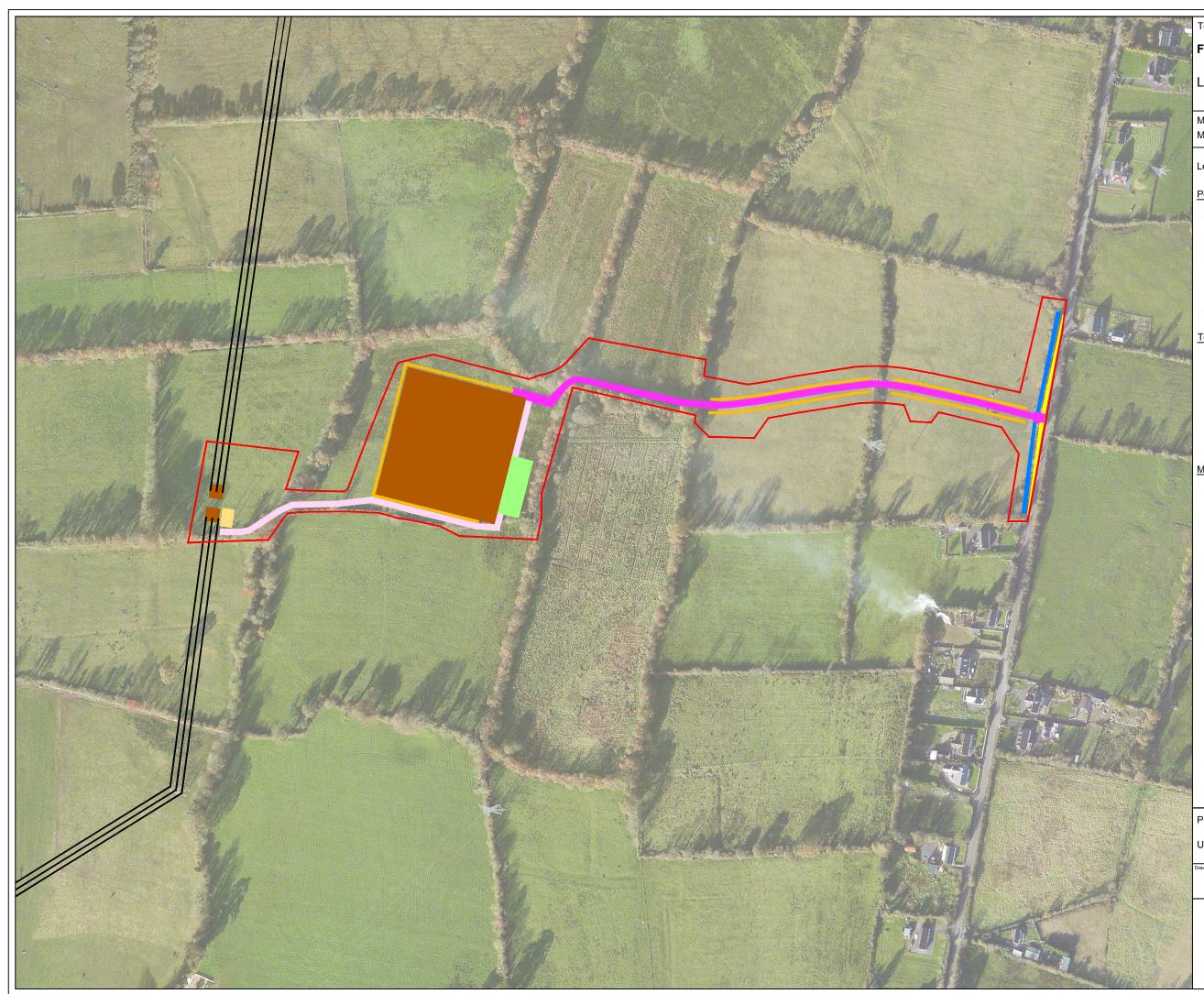
		er:Description	of Developm	ent
	Figure GC 5.20			
	Cross Section of Replaced Culvert			ert
	along the	110kV UGC	:	
	Note :			
	Old crossi diameter d	ng structure r culvert	eplaced with	a 900mm
<u>q</u>				
99				
	Designed in conjunction with			
	Ducient			
	Project: UWF Grid Connection (2019)			
	Drawn by: JB	Checked by: PK	Date: October	Sheet Size: A3
		Conor Brett	19	
		Ecopower Limit Zetec House, Pu	rcellsinch IDA Business I	Park
		Landline - 056-7	lkenny - R95 WV80 750140 (Ext 204)	
		Mobile - +353 (
)W	H K











Topic Chapter:Description of	^f Development
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Figure GC 5.25

Land Use

Map Number: Map 1 of 1

Legend:

Permanent Land Use Change:

- Agricultural land to utility
- Agricultural land to permanent road
 Agricultural land to permanent berm with hedge
- Hedge to public road verge
- Agricultural land to hedge

Temporary Land Use Change:

- Temporary access road and watercourse crossing
- Temporary construction compound
- Temporary crane hardstand

Map Information:

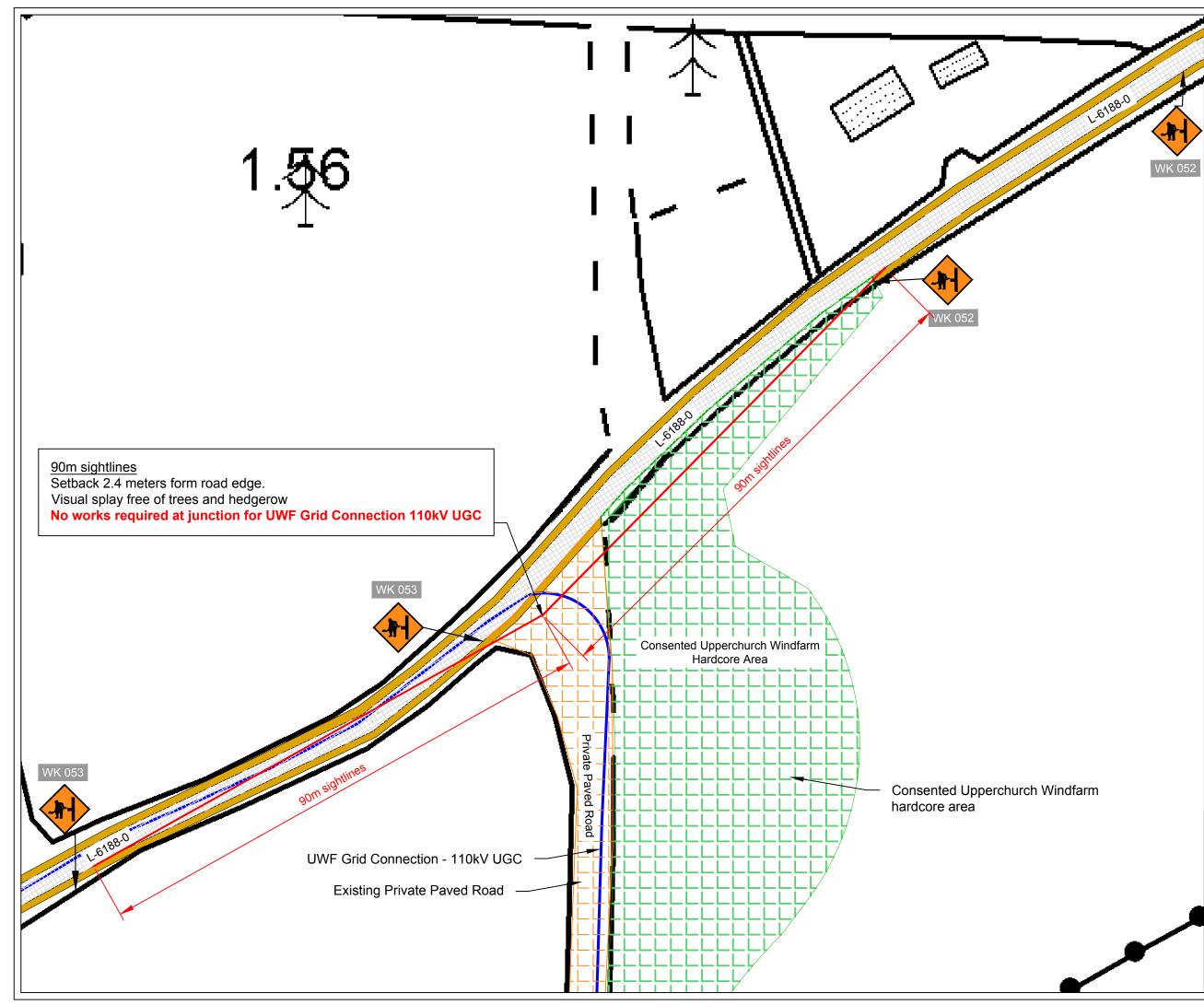
- Mountphilips Substation Site Construction Works Boundary
- Existing Killonan to Nenagh 110kV OHL



Project:

UWF Grid Connection (2019)

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ECOPOWER				



Topic Chapter:Description of Development Figure GC 5.26

Plan View of 110kV UGC at junction of L6188-0 with private paved road in Knockcurraghbola Commons

Map Number: N/A Legend: UWF Grid Connection - 110kV UGC Existing Private Paved Road Public Roadway L-6188-0 Roadside Verge Consented Upperchurch Windfarm Hardcore Area 90m Sightlines Traffic Management Signage (Construction Stage) Project: UWF Grid Connection (2019) October A3 JB ΡK 19 Ecopower Limited Zetec House, Purcellsinch IDA Business Park Dublin Road, Kilkenny - R95 WV80

> Landline - 056-7750140 (Ext 204) Mobile - +353 (0)87-6531458