

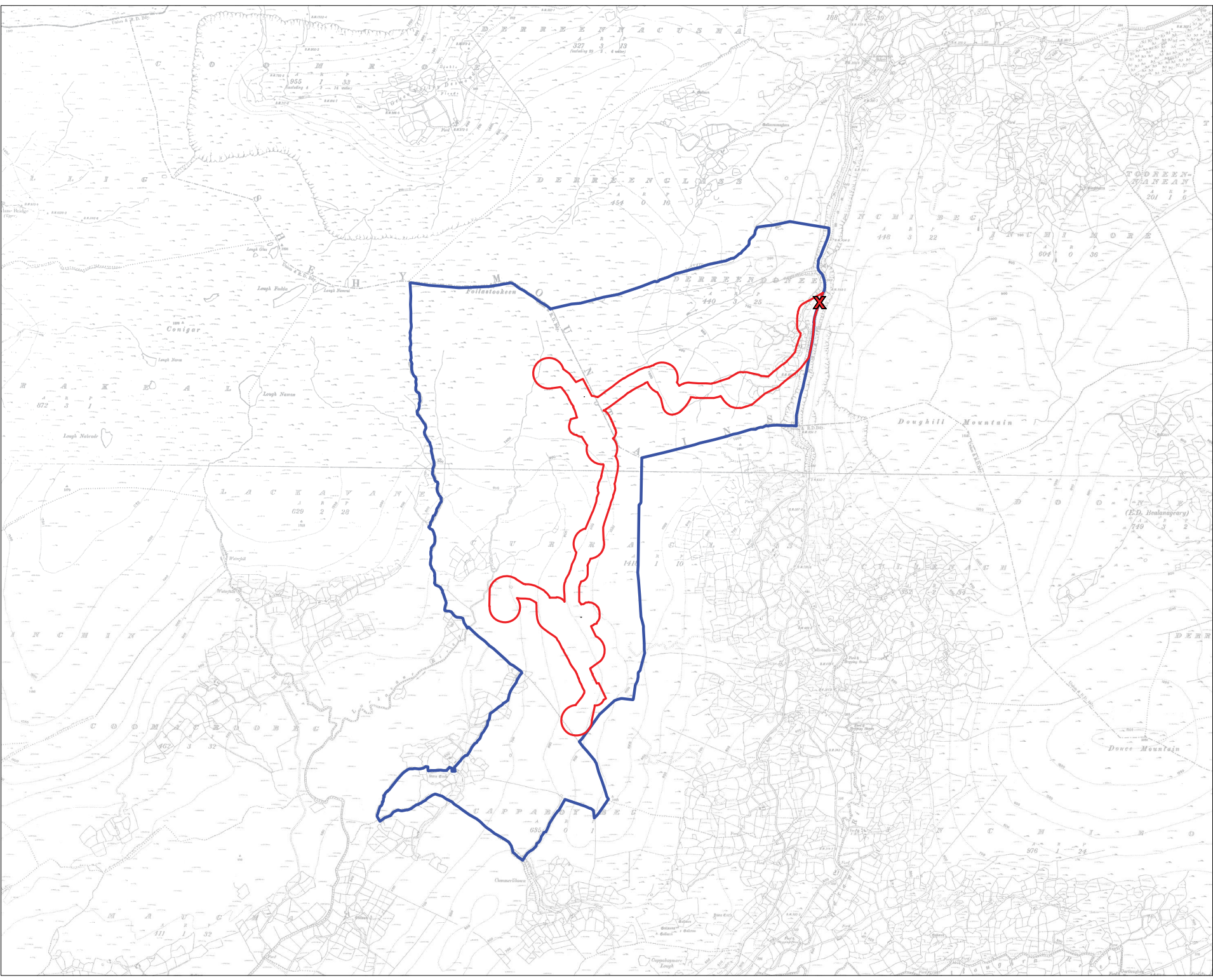


APPENDIX 4-1

SITE LAYOUT PLANNING DRAWINGS

**Proposed Curraglass Renewable
Energy Development, Co. Cork
Planning Permission Application Drawings**





- Project Design Drawing Notes**
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 7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
 8. Final levels may vary depending on local ground conditions.

Drawing Legend

- Planning Application Boundary
- Landowners Boundary
- X Site Notice



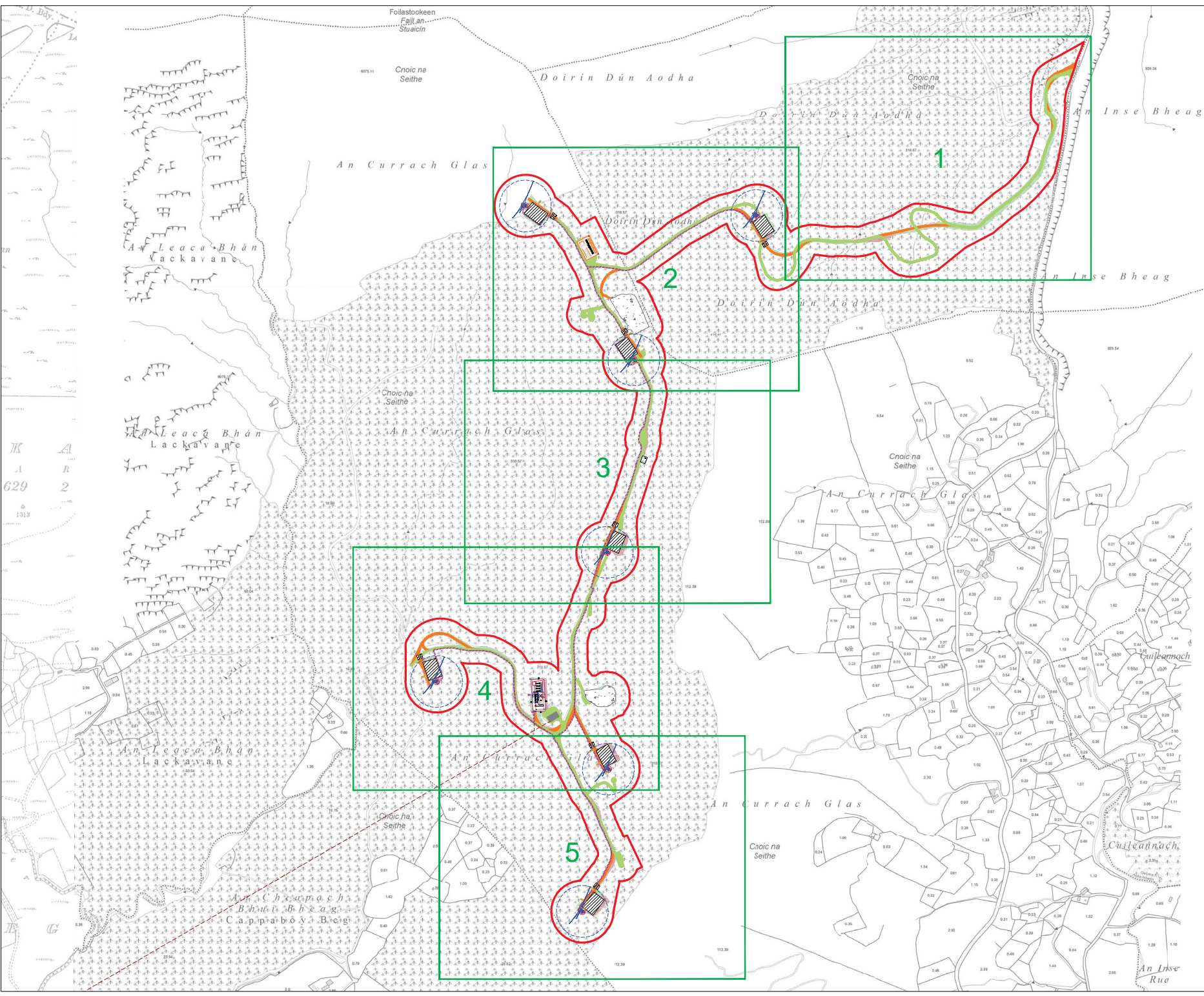
ite Location Map

PROJECT TITLE
Carriglass Renewable Energy Development, Co. Cork

DRAWING BY Joseph O'Brien	CHECKED BY Orla Murphy
PROJECT NO. 190301	DRAWING NO. 190301 - 02
SCALE 1:20,000 @ A3	DATE 30.06.2020
OS SHEET NO. 6454, 6455, 6456, 643, 644, 645, 6531, 6532, 6533	

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 4. Drainage measures to be installed prior to, or at the same time as the works areas they are intended to drain.
 5. Design elevation of the water surface along the route of the interceptor drains or swales will not be lower than the design elevation of the water surface in the outlet at the level spreader or silt pond.
 6. The spacing and frequency of the check dams will be dependent on the gradient of the interceptor drain or swale in which they are being installed.
 7. Check dam designs to be selected best to suit particular topography and hydrological environment.
 8. Down gradient slope below level spreader onto which the water will discharge to have a grade less than 6%.
 9. No direct discharge or pumping to watercourses will be permitted. All discharges from level spreaders or silt ponds to be via vegetated filters. Selection or suitable areas to use as vegetation filters will be determined by the site of the contributing catchment, slope and ground conditions.
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 14. The layout shown is slightly offset for scale purposes, and all drainage would be installed as close to the road as possible.

Drawing Legend

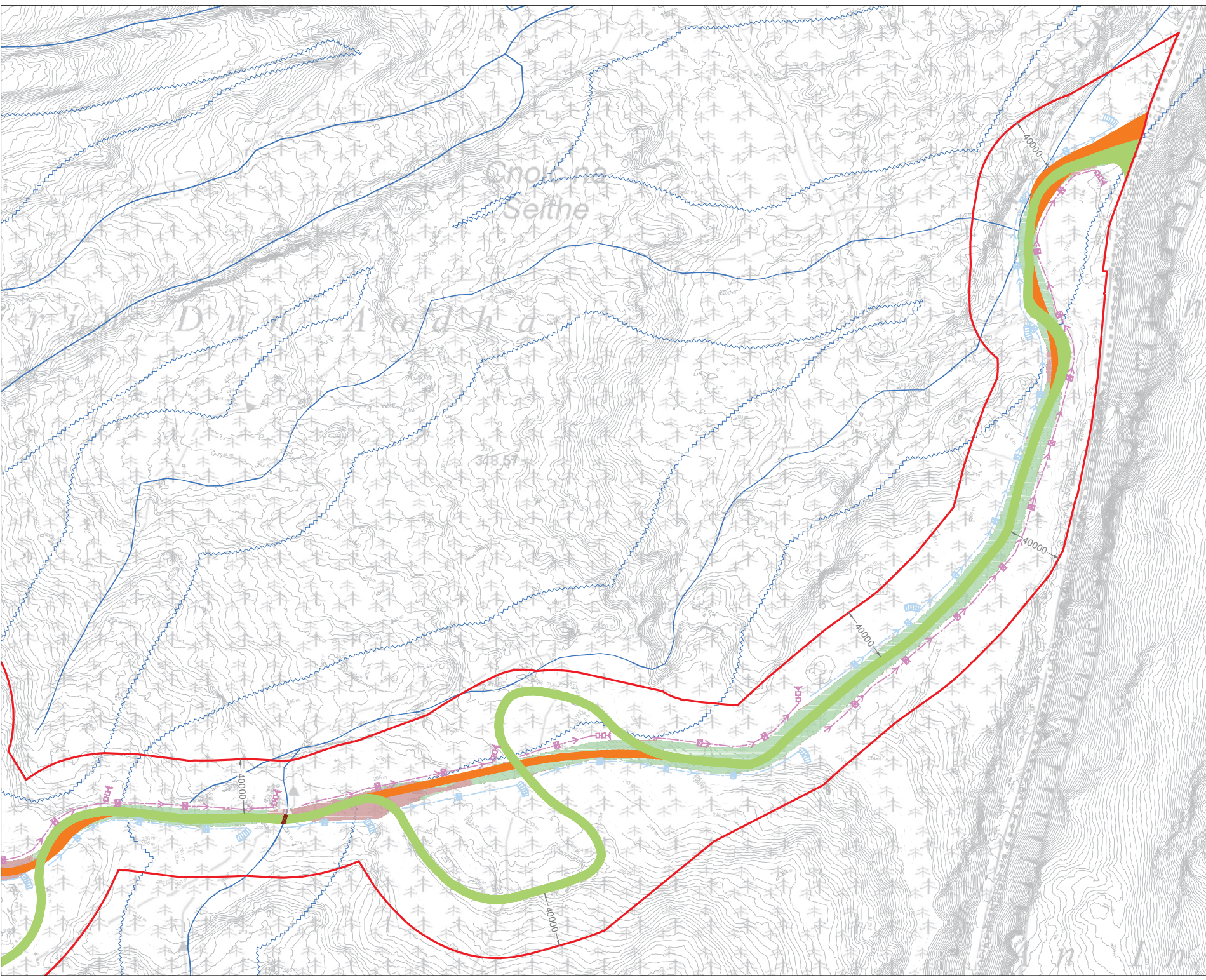
- Planning Application Boundary
- Existing Road Infrastructure
- Proposed Road
- Electrical Cable Trench
- Works Area
- Soft Levelled Area
- Crane Pad Hardstanding Area
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Cut
- Fill

Site Location - Layout by Plan

Curraglass Renewable Energy Development, Co. Cork

PROJECT TITLE	PROJECT NO.	DESIGNED BY
Curraglass Renewable Energy Development, Co. Cork	190301	Joseph O'Brien
DRAWING NO.	DATE	CHECKED BY
190301 - 03	30.06.2020	Ora Murphy
SCALE:	DATE:	
1:110,000 @ A3	30.06.2020	
OS SHEET NO.:		
6454, 6455, 6456, 643, 644, 645, 6531, 6532, 6533		

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7. Layout plans show typical Turbine rotor diameter as per turbine drawing.
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Drainage Design Notes

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6. The spacing and frequency of the check dams will be dependent on the gradient of the interceptor drain or swale in which they are being installed.
7. Check dam designs to be selected best to suit particular topography and hydrological environment.
8. Down gradient slope below level spreader onto which the water will dissipate to have a grade less than 6%.

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Drawing Legend

- Planning Application Boundary
- Existing Road Infrastructure
- Proposed Road
- River/Stream
- ~ River/Stream 50m Buffer
- Interceptor Drain
- ▭ Level Spreader
- Swales/Collector Drains
- ▭ Stilling Pond
- <— Direction of Flow
- ▭ Check Dam
- Existing Culvert to be Maintained/graded
- Cut
- Fill

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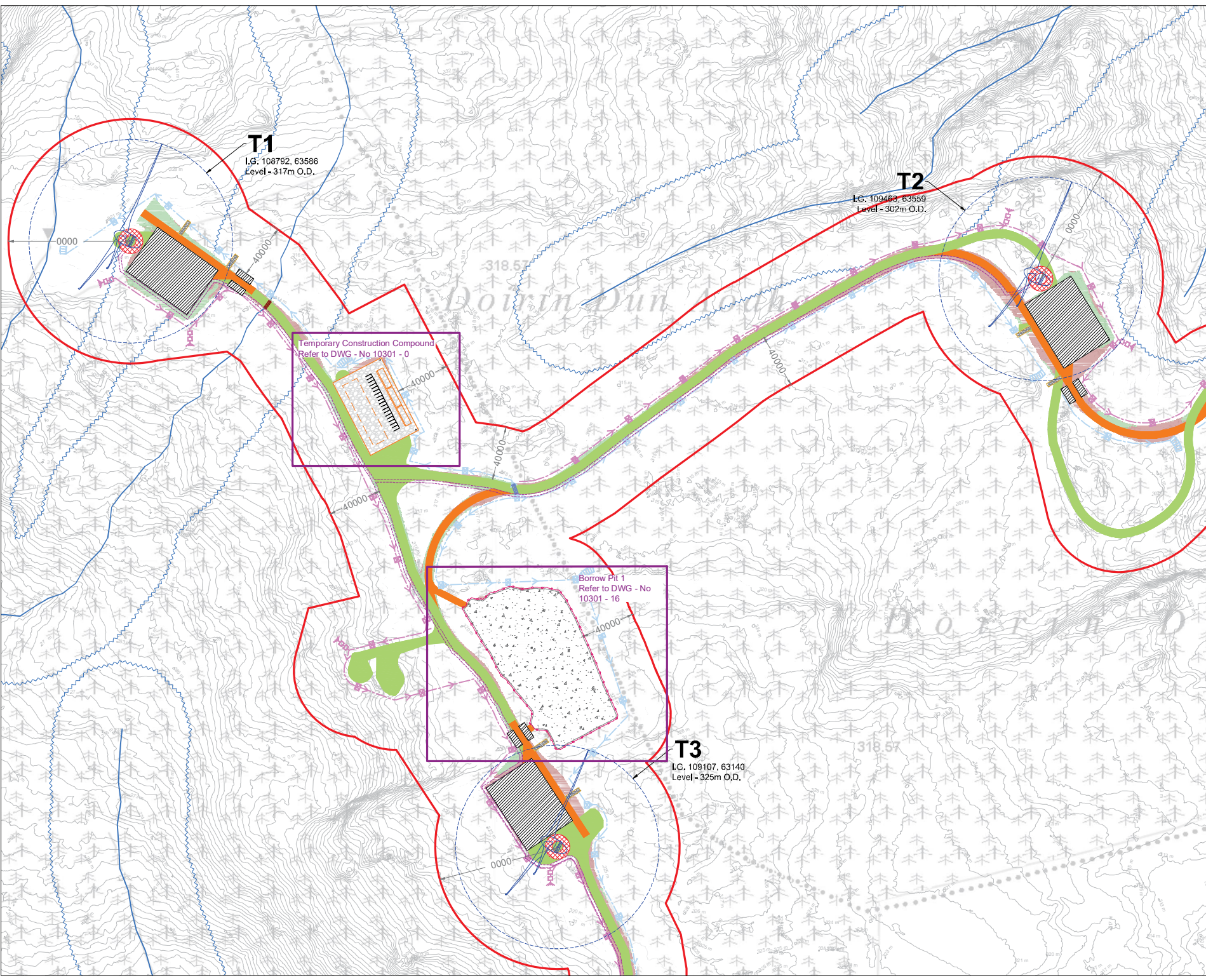
PROJECT TITLE
Curraglass Renewable Energy Development, Co. Cork

DRAWING BY Joseph O'Brien	CHECKED BY Orla Murphy
PROJECT NO. 190301	DRAWING NO. 190301 - 0
SCALE: 1:2,500 @ A3	DATE: 30.06.2020

OS SHEET NO.: 6454, 6455, 6456, 643, 644, 645, 6531, 6532, 6533

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- Proposed Road
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- River/Stream
- River/Stream 50m Buffer
- Interceptor Drain
- Level Spreader
- Swales/Collector Drains
- Silt Pond
- ← → Direction of Flow
- Check Dam
- Proposed Culvert
- Existing Culvert to be Maintained/graded
- Soft Levelled Area
- Crane Pad Handstanding Area
- Turbine Foundation
- Turbine Sweep Area
- Borrow Pit
- Cut
- Fill

ite Layout heet 2 o 5

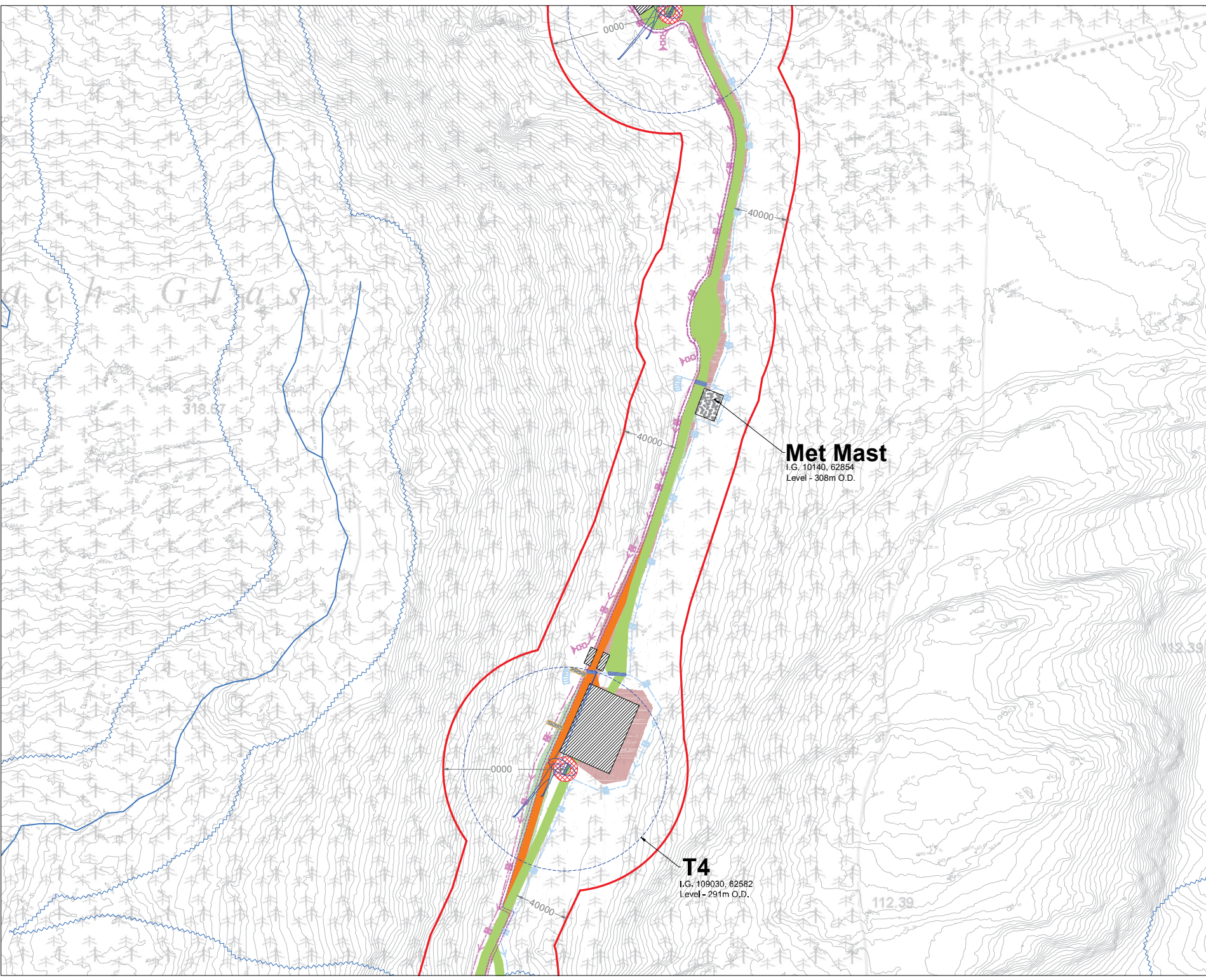
PROJECT TITLE
Curraglass Renewable Energy Development, Co. Cork

DRAWING BY Joseph O'Brien	DESIGNED BY Orla Murphy
PROJECT NO. 190301	DRAWING NO. 190301 - 05
SCALE 1:2,500 @ A3	DATE 30.06.2020

OS SHEET NO.
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	Existing Road Infrastructure
	Proposed Road
	Electrical Cable Trench
	River/Stream
	River/Stream 50m Buffer
	Interceptor Drain
	Level Spreader
	Swales/Collector Drains
	Silt Pond
	Direction of Flow
	Check Dam
	Proposed Culvert
	Soft Levelled Area
	Crane Pad Handstanding Area
	Turbine Foundation
	Turbine Sweep Area
	Cut
	Fill

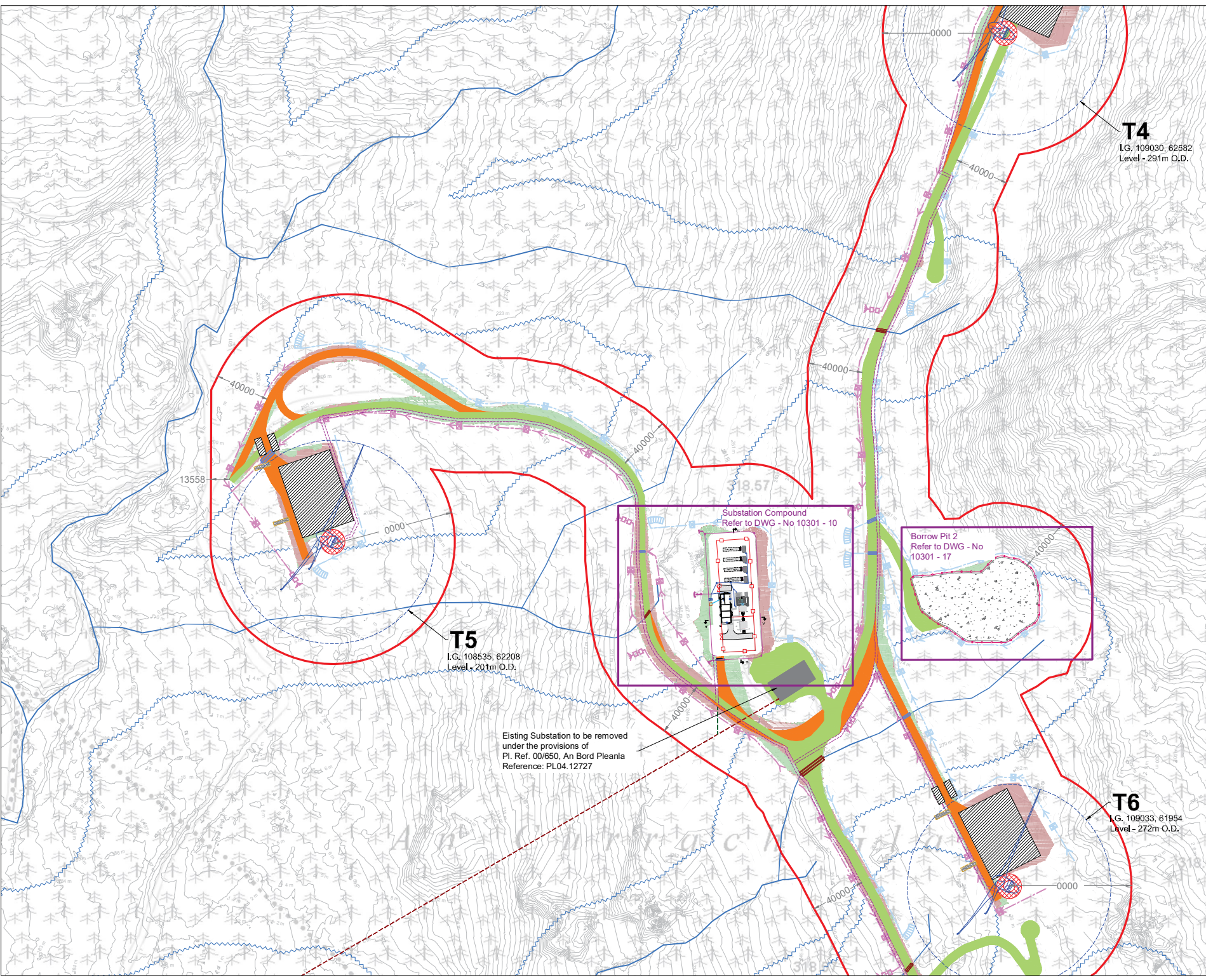
ite Layout heet 3 o 5

PROJECT TITLE
Curraglass Renewable Energy Development, Co. Cork

DRAWING BY Joseph O'Brien	CHECKED BY Orla Murphy
PROJECT NO. 190301	DRAWING NO. 190301 - 06
SCALE: 1:2,500 @ A3	DATE: 30.06.2020
DS SHEET NO.: 6454, 6455, 6456, 643, 644, 645, 6531, 6532, 6533	

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- Stilling Pond
- Direction of Flow
- Check Dam
- Proposed Culvert
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- Cut
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ite Layout heet o 5

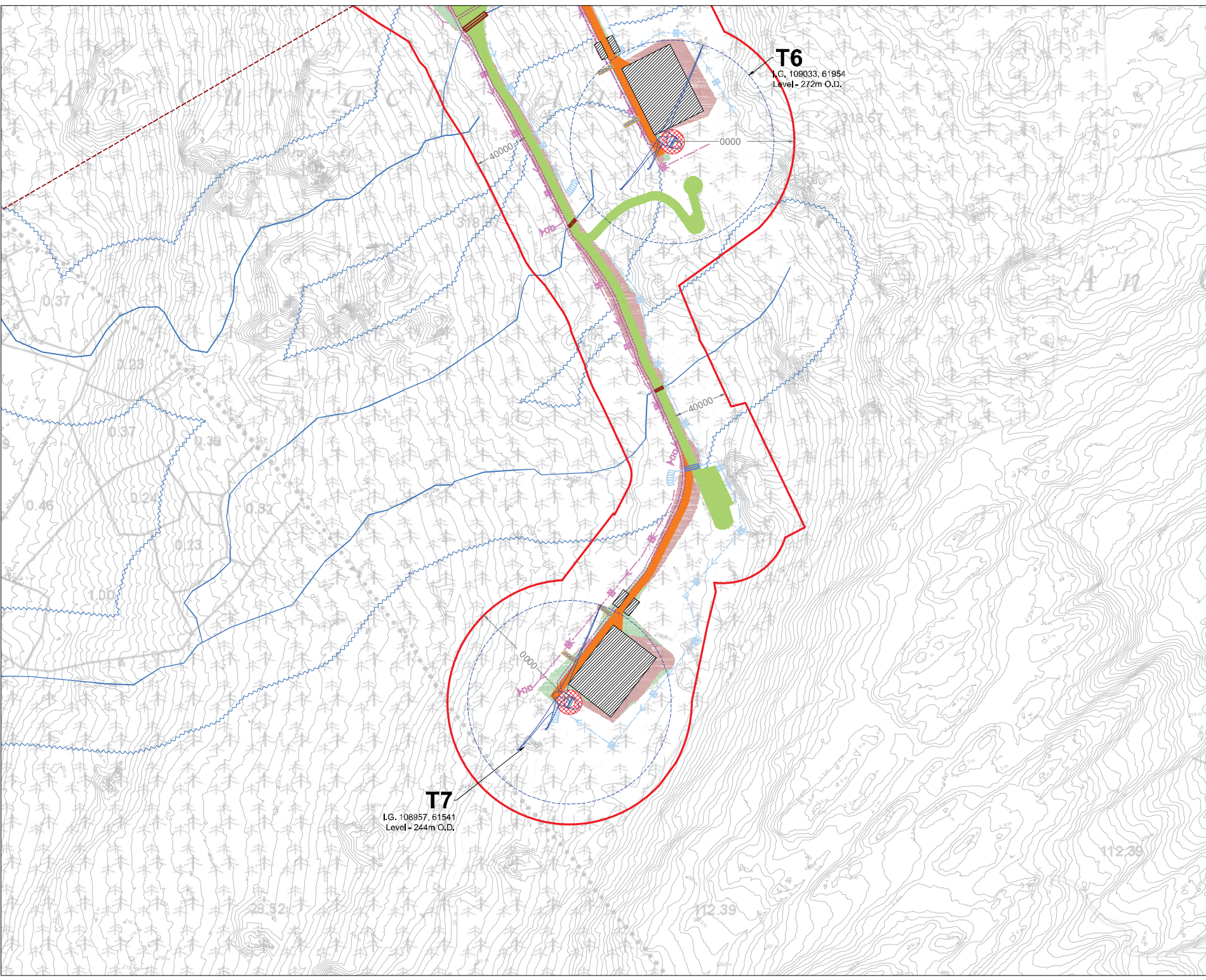
PROJECT TITLE
Curragh Renewable Energy Development, Co. Cork

DRAWING BY Joseph O'Brien	CHECKED BY Orla Murphy
PROJECT NO. 190301	DRAWING NO. 190301 - 0
SCALE 1:2,500 @ A3	DATE 30.06.2020

OS SHEET No. 6454, 6455, 6456, 643, 644, 645, 6531, 6532, 6533

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N

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ite Layout heet 5 o 5

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DRAWING BY Joseph O'Brien	CHECKED BY Orla Murphy
PROJECT NO. 190301	DRAWING NO. 190301 - 0
SCALE 1:2,500 @ A3	DATE 30.06.2020
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