

Honor Caird Marren

From: Moss, Ciaran <ciaran.moss@kpmg.ie>
Sent: Friday 10 July 2026 14:00
To: Honor Caird Marren
Subject: RE: ACP-324354-26 - 1st Meeting - Proposed 385 MW Open Cycle Gas Turbine (OCGT) Plant at the Barrigone Quarry Site Located at the Roadstone Barrigone Quarry, Askeaton, Co. Limerick
Attachments: Barrigone OCGT Presentation ACP 10.07.2026.pdf

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Hi Honor,

Please see the current version of the Presentation – minor changes incorporated. Apologies for the inconvenience.

Kind Regards,

From: Moss, Ciaran
Sent: Friday 10 July 2026 10:44
To: 'Honor Caird Marren' <honor.cairdmarren@pleanala.ie>
Subject: RE: ACP-324354-26 - 1st Meeting - Proposed 385 MW Open Cycle Gas Turbine (OCGT) Plant at the Barrigone Quarry Site Located at the Roadstone Barrigone Quarry, Askeaton, Co. Limerick

Hi Honor,

See attached the presentation for the Barrigone site, given we have no agenda yet, could we suggest in the interest of time, if ACP see fit that the deck is taken 'as read' we can simply use it as a backdrop and discuss the main items ACP wishes to discuss.

Kind Regards,

From: Moss, Ciaran
Sent: Thursday 9 July 2026 12:18
To: 'Honor Caird Marren' <honor.cairdmarren@pleanala.ie>
Subject: RE: ACP-324354-26 - 1st Meeting - Proposed 385 MW Open Cycle Gas Turbine (OCGT) Plant at the Barrigone Quarry Site Located at the Roadstone Barrigone Quarry, Askeaton, Co. Limerick

Hi Honor,

See attached the site layout plan for the meeting on Tuesday.

I will forward on our presentation shortly

Kind Regards,

From: Honor Caird Marren <honor.cairdmarren@pleanala.ie>
Sent: Wednesday 8 July 2026 16:26

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Honor Caird Marren
Executive Officer
Marine and Climate
An Coimisiún Pleanála
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Teil: 01-8049315

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Proposed Open Cycle Gas Turbine Electricity Generating Plant at Barrigone Quarry, Askeaton, Co. Limerick.

(Cultaca Limited)

**Pre-Application Consultation
with An Coimisiún Pleanála**

14 July 2026



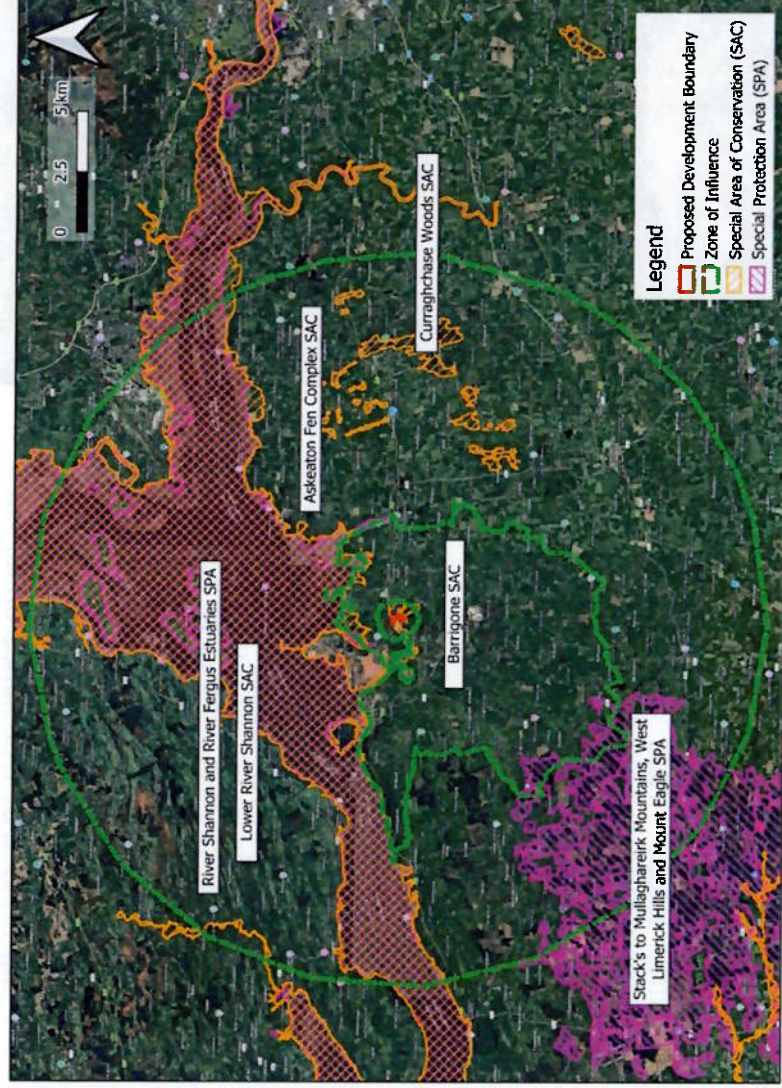
Core Design Team

- **Cultaca Limited** – Applicant / Project Promoter
- **KPMG Planning** – Planning Consultant, EIA Coordination & Project Coordination
- **Roughan & O'Donovan Ltd.** – Engineering, Project Design and Ecology
- **Mitchell & Associates Landscape Architecture** – Landscaping and Visual Impact
- **AWN Consulting** – Air Quality, Noise Impact, Climate, Waste Management and COMAH Assessment
- **ACSU** –Archaeological Impact Assessment

Ecological Constraints and Approach to Appropriate Assessment

European Sites within the Zone of Influence

Ecological Surveys



Completed

- Ecological walkover survey (June 2026)

Ongoing/To Be Completed

- Nesting bird surveys (July 2026)
- Annex I Grassland Survey (July 2026)
- Wintering Bird Surveys Oct 2026 – March 2027

Proposed Development

The proposed development comprises a flexible Open Cycle Gas Turbine (OCGT) generating plant with an electrical output of up to 385 MW.

The plant is designed to provide fast-acting capacity and system support during peak demand and periods of low renewable generation.

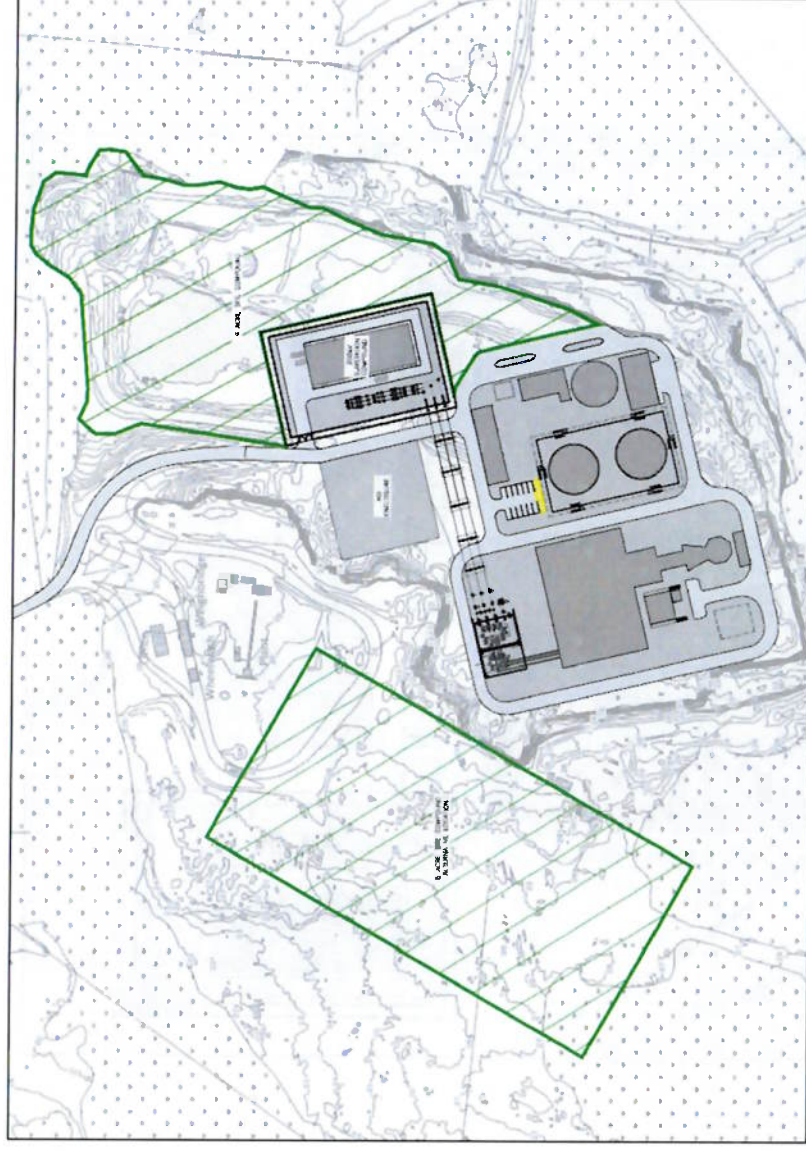
It will be primarily fuelled by natural gas, with secondary distillate (diesel) back-up for resilience and testing.

The main components of the site consists of the following:

- 30m high exhaust stack and emissions monitoring unit
- Single storey control building, including admin and workshop facilities
- Single storey electrical common building
- 3no. above ground tanks

Above Ground Installation (AGI) Enclosure which houses the following:

- Single storey gas analyser kiosk.
- Single storey boiler house kiosk.
- Single storey ancillary pressure reduction kiosk.
- Single storey electrical and instrumentation kiosk.



(Source: ROD Drawing OCGT-ROD-BAR-XX-DR-CE-0005)

ESB Connection Routes

Option A (6,639m):

Route: N69, L6068, L1222 then reaches Creeves Crossroads

- Pros: Avoids railway, has two wide roads.
- Cons: L6068 is too narrow, cross the River Ahacronane and two other bridges/culverts.

Option B (7,422m):

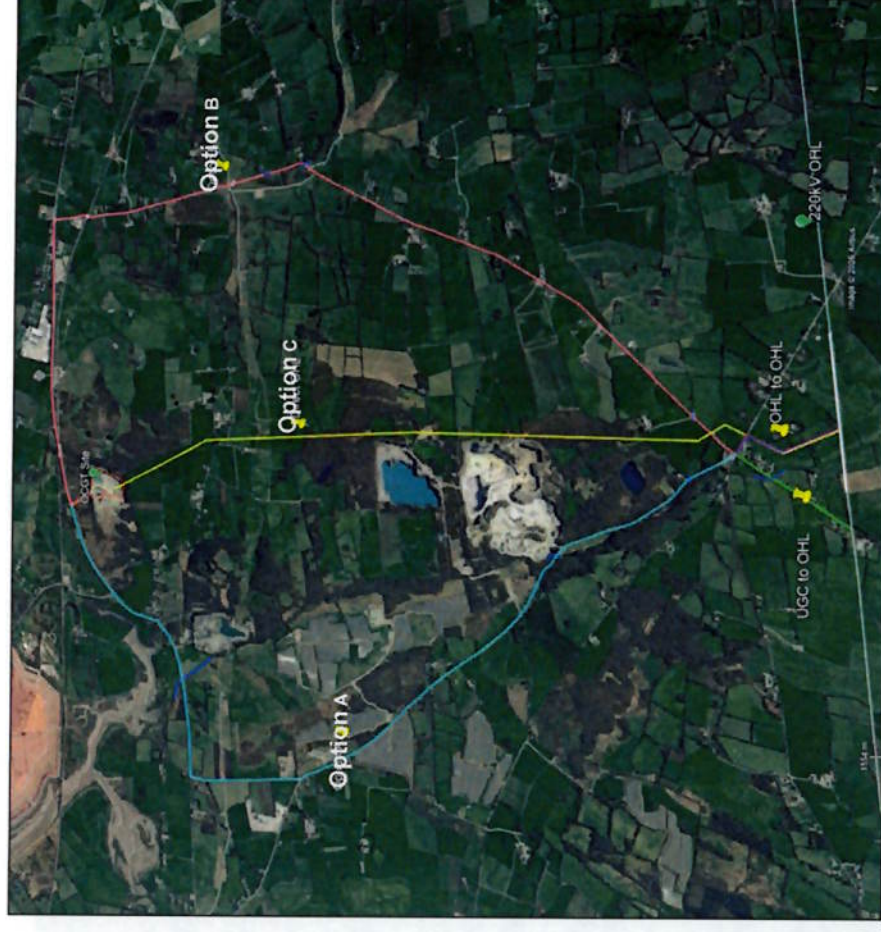
Route: N69, L1220, then reaches Creeves Crossroads

- Pros: All roads used are wide enough for cable and joint bay installation.
- Cons: The route crosses over the railways twice and route crosses x3 bridges/culvert.

Option C (approx. 5,000m):

Avoids utilities such as rivers, railways, bridges, culverts etc.

- Pros: Shortest at approx. 5,000m, avoid utilities on the ground/roads such as bridges and railway lines.
- Cons: Uses third party land.



(Source: ESB Utility Records)

Civil Infrastructure

Road Network

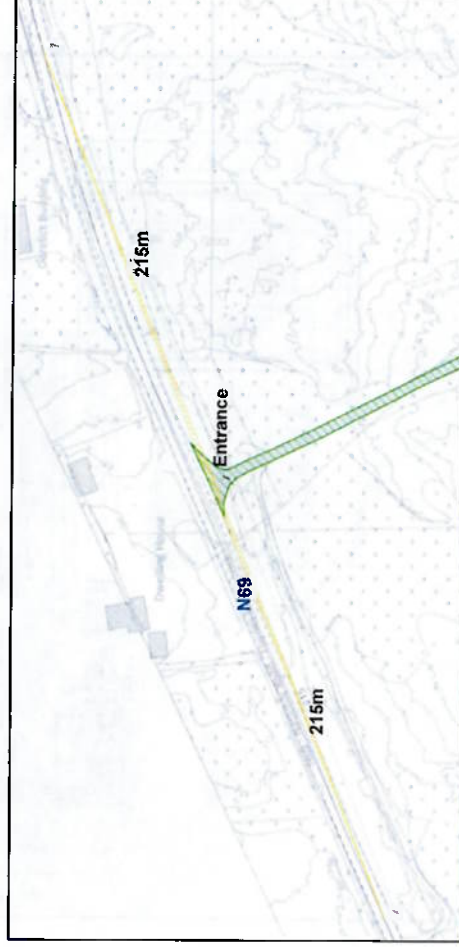
- The OCGT site will be accessed via an existing entrance onto the N69, north of the site.

Access

- Visibility splay of 215m provided in either direction onto the N69.
- The speed limit of the N69 is 100km/h.
- Preliminary traffic analysis has shown traffic increases within TII's Thresholds for Construction period & Operation phase.



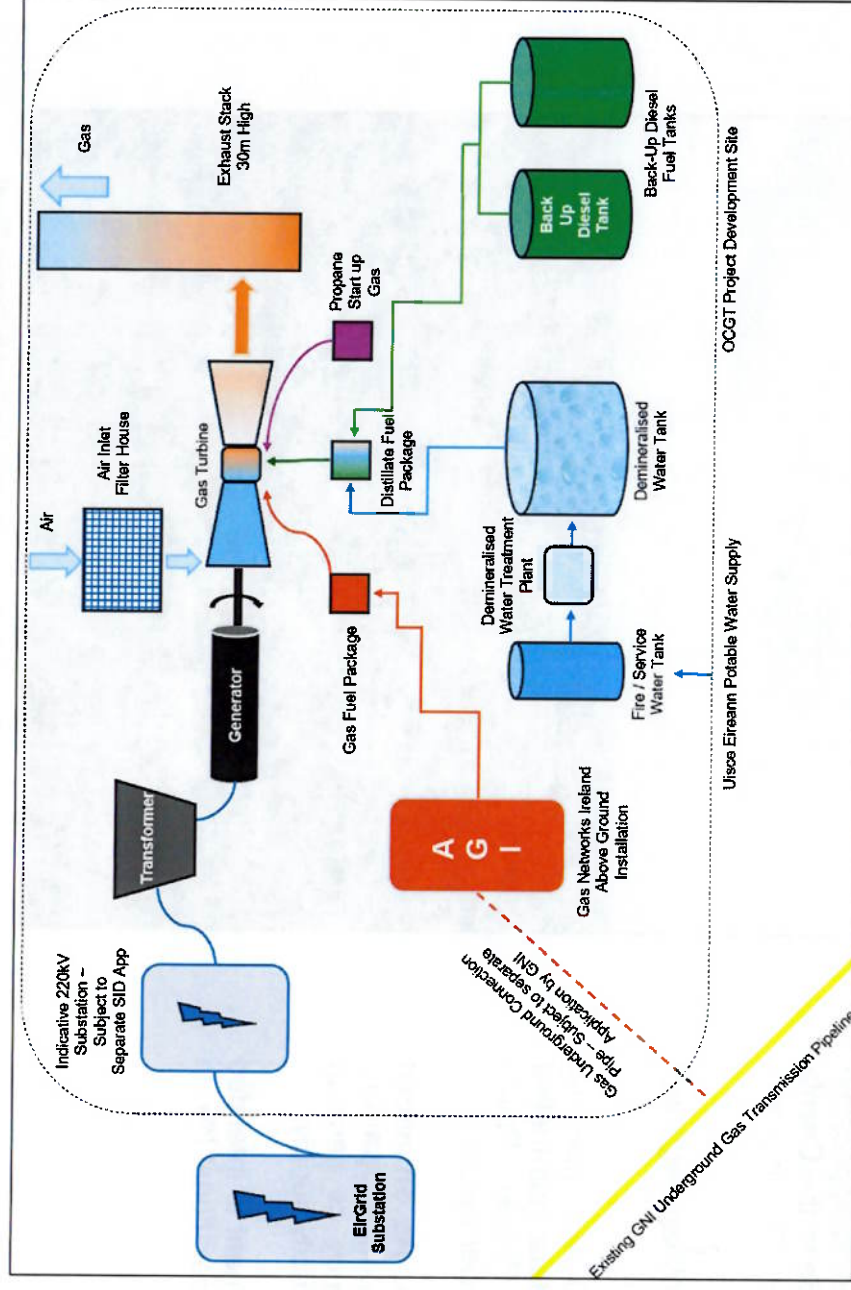
Southeast View to Site Access from N69 (Source: Google Maps)



Sight Visibility Splays from N69 to the Site Entrance

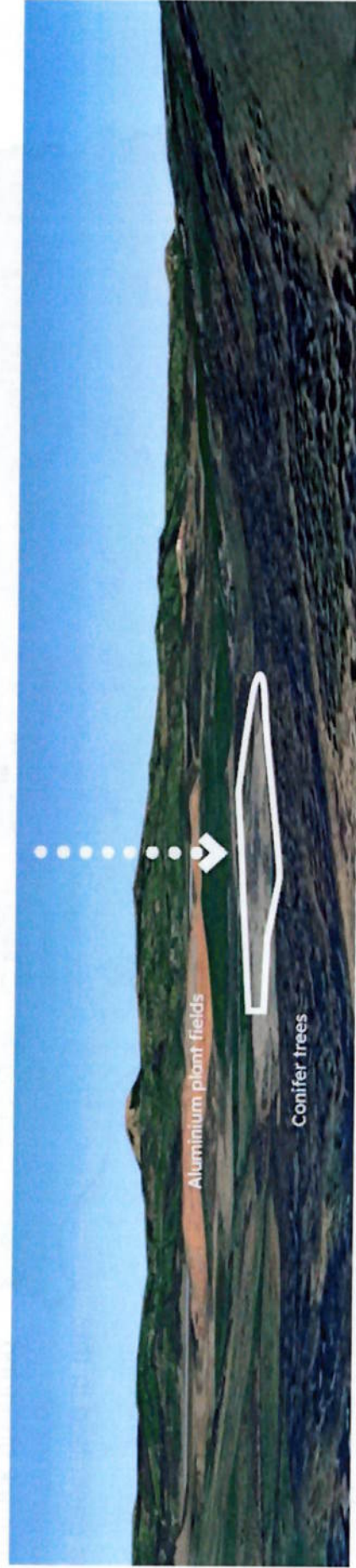
OCGT Process

- In summary, the open-cycle technology configuration provides a much quicker response time to start and begin generation in comparison to combined-cycle.
- This fast response time is required to meet the rapid changes in the transmission grid electrical supply and demand imbalance.
- The time to reach maximum load for an open cycle gas turbine is about 30 minutes but can be over 2 hours for a combined cycle.
- The proposed development will act as a reliable source of backup generation when the system margins are tight. It is forecast to displace the running of existing, higher carbon emitting units such as oil-fired units.
- The proposed development is expected to provide a reduction in the level of carbon emissions.
- The proposed development meets a need for electricity generation that has been signalled by the Government as being an urgent and appropriate response to the transition to a renewables based national energy supply.



Aerial Views

Site and adjacent topography



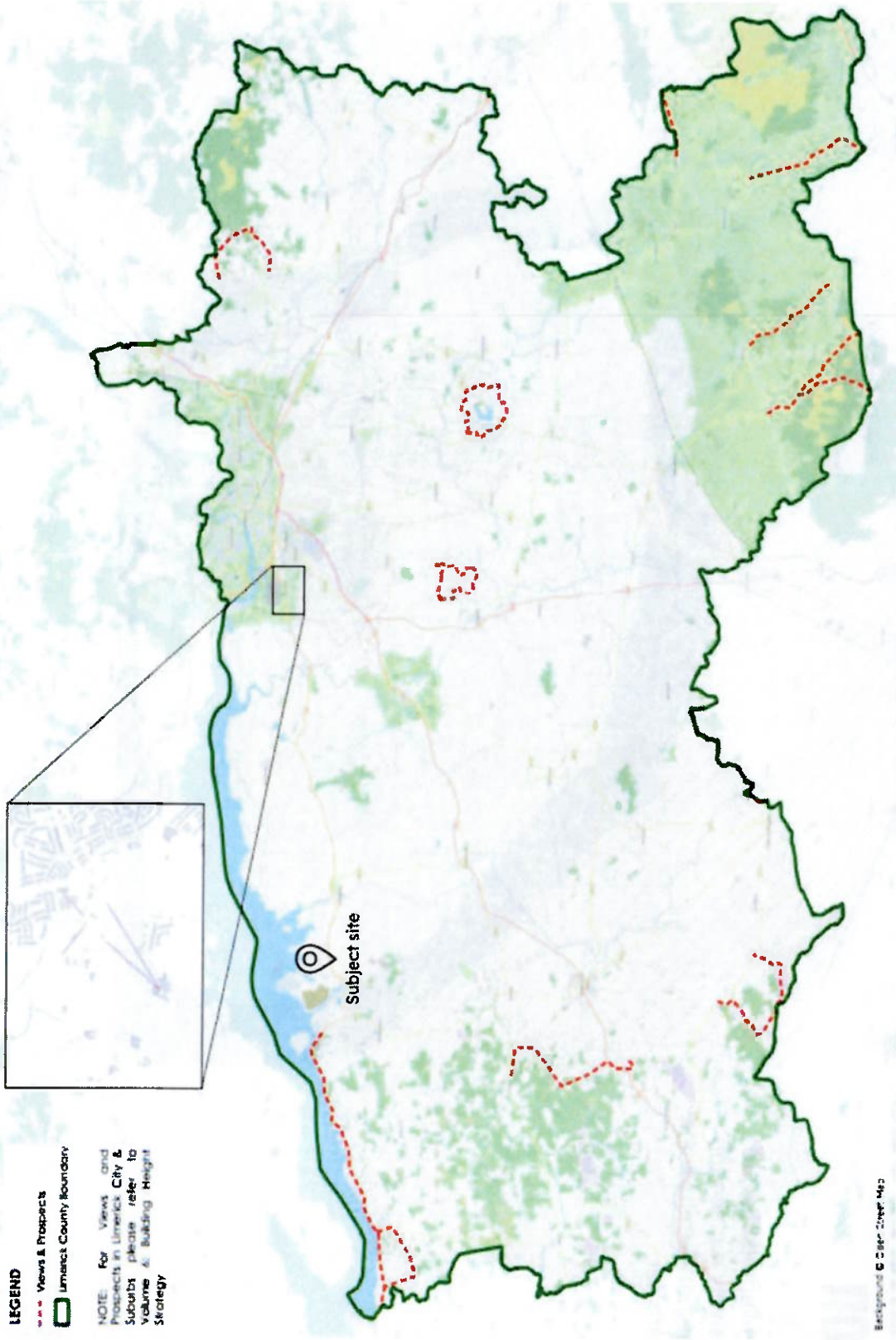
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Protected Views and Prospects

LEGEND
 - - - Views & Prospects
 — Linnet County Boundary

NOTE: For Views and Prospects in Linnet City & Suburbs please refer to Volume 6: Building Height Strategy



Background © 2008 Google Maps

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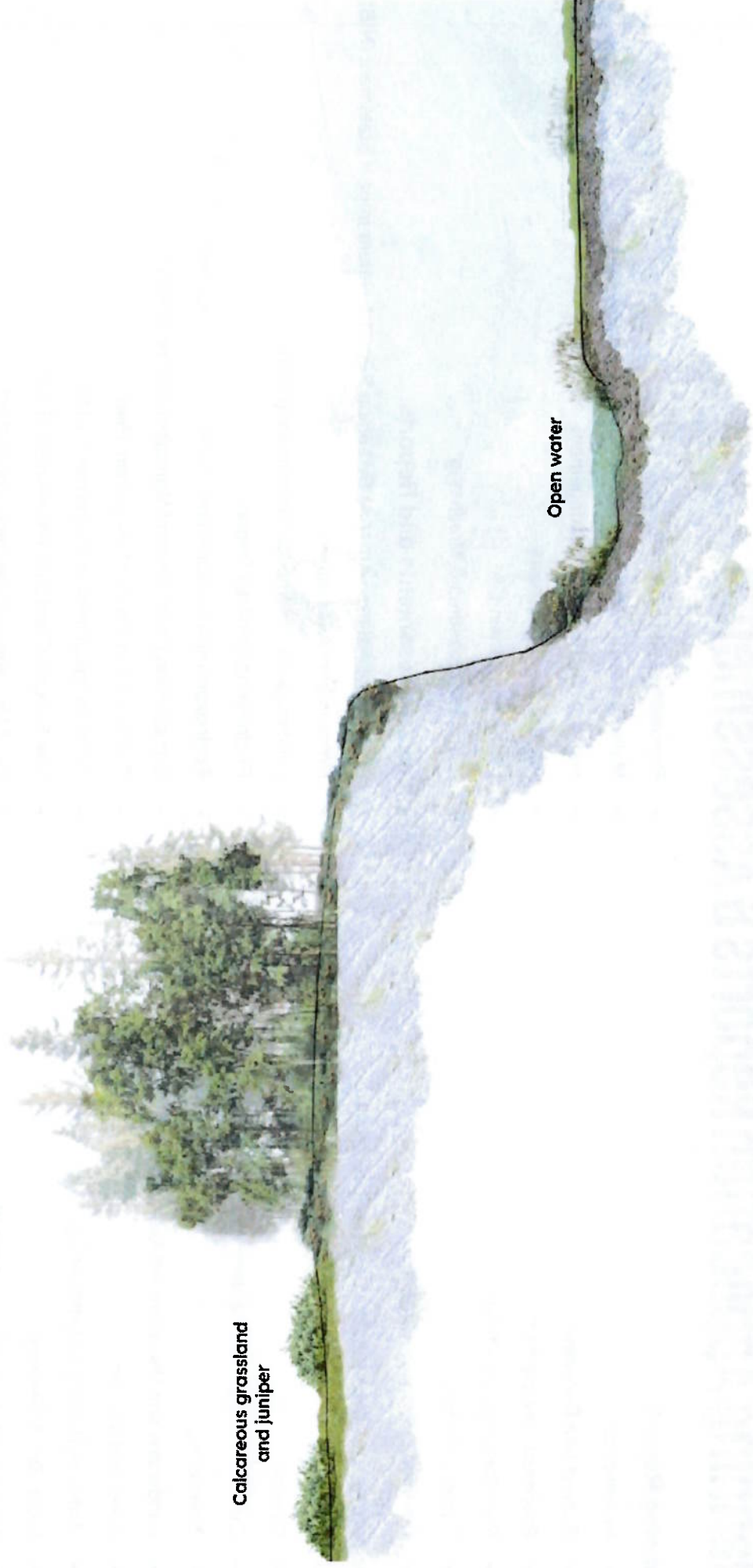


Quarry Interface

Woodland profile

Calcareous grassland
and juniper

Open water





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