



Land off Central Avenue Hydrogen Production Facility,

Ecological Enhancement Details

The application site (The Site) measures 0.6ha (6,450m²), with the development area comprising existing hardstanding and stone chippings surfacing along the boundaries of the hardstanding. A strip of modified grassland is located off the private access road within the Site, but outwith the development area. For a detailed description of the Proposed Development please refer to section 3 of the Planning Statement.

Given the nature of the existing surfacing of the Site being hard standing and stone chippings, there is minimal room for ecological enhancements. However, the proposed Green Infrastructure features to be included as part of the Proposed Development will include:

- Existing green linkages surrounding the Site retained and protected;
- Existing vegetation surrounding the Site retained;
- An area of modified grassland on the verge off the private access road will be enhanced.

A Ecological Enhancement Plan presented on Drawing No. **PRO1013/01/92** identifies the area of modified grassland on the verge of the private access road where Ecological Enhancements will be delivered.

It is proposed to sow the grassland verge with seed mix EM3 Special General Purpose Meadow Mixture or similar. This meadow mixture contains a wide range of species and is used to create a very diverse sward where conditions vary across the Site. Below is a description of how the seed mix will be sowed, managed and maintained.

Proposed Ground Preparation

To prepare the seed bed the existing modified grassland and weeds will be removed using repeated cultivation. The surface vegetation will then be removed or lightly hand cultivated, followed by rolling or treading to produce a firm surface. Should the verge have any notable depressions, these areas will be filled with locally sourced screened topsoil.

Sowing

Seed is best sown in the autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture. The seed will be surface sown and will be applied by machine or broadcast by hand. It is proposed to sow the seed in the first available season following the completion of the construction/assembly of the Proposed Development.

First Year Management

Most of the sown meadow species are perennial and are slow to establish. Soon after sowing there will be a flush of annual weeds, arising from the soil seed bank. These weeds offer shelter to the sown seedlings, and will die before the year is out. Weeds will be cut mid to late summer, removed and composted. This will reveal the young meadow, which can then be kept short by grazing or mowing through to the end of March of the following year. Any residual perennial weeds will be dug out and removed.

Management Once Established

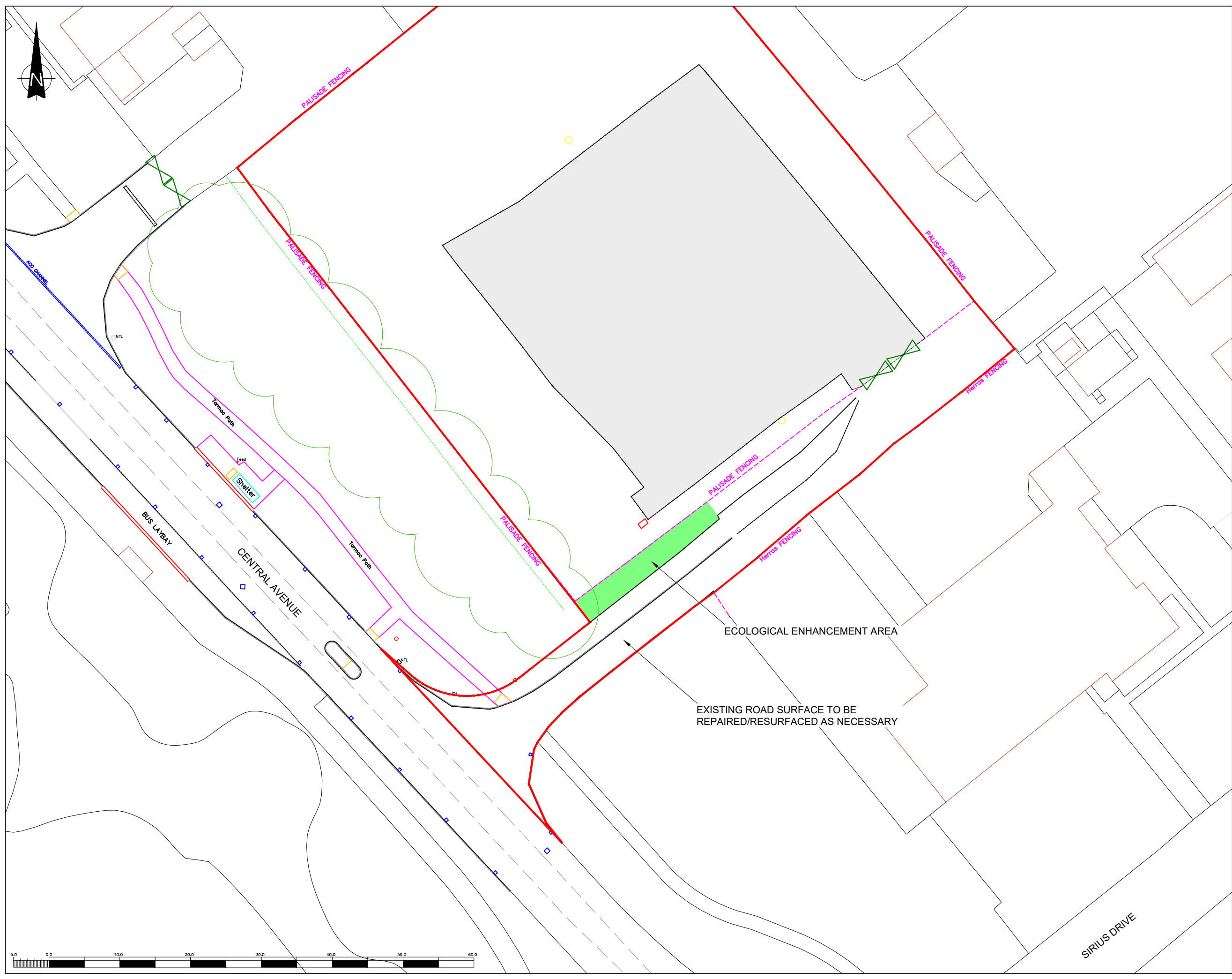
In the second and subsequent years, the EM3 sowings will be managed by traditional meadow management based around a main summer cut in combination with autumn and possibly spring mowing.

The meadow grassland will not be cut from spring through to late July/August to give the sown species an opportunity to flower. After flowering in July or August a 'hay cut' will be undertaken; cutting back with a



scythe, petrol strimmer or tractor mower to c 50mm. The 'hay' will then be left to dry and shed seed for 1-7 days then remove from the area. The grassland will then be mowed or grazed the re-growth through to late autumn/winter to c.50mm and again in spring if needed.

It is considered that the proposed managed grassland meadow will improve the ecological connectivity of the Site with the surrounding area. Particularly the tree belts along Central Avenue adjacent to the Site.



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NOTES

KEY

- PLANNING APPLICATION BOUNDARY
- ECOLOGICAL ENHANCEMENT AREA

REV	DESCRIPTION	DATE	BY

CLIENT

PROTIUM

sirius Planning

4245 Park Approach, Thorpe Park, Leeds. LS15 8GB. 0113 264 9960

JOB TITLE

RE PLANT, PORT TALBOT
PROPOSED HYDROGEN
PRODUCTION FACILITY

DRAWING TITLE

ECOLOGICAL ENHANCEMENT

DRAWN	DATE	APPROVED	DATE
S.T	12/5/2025	F.W	12/5/2025

SCALE	SHEET	DRAWING NUMBER	REVISION
1:500	A3L	PRO1013/01/92	0