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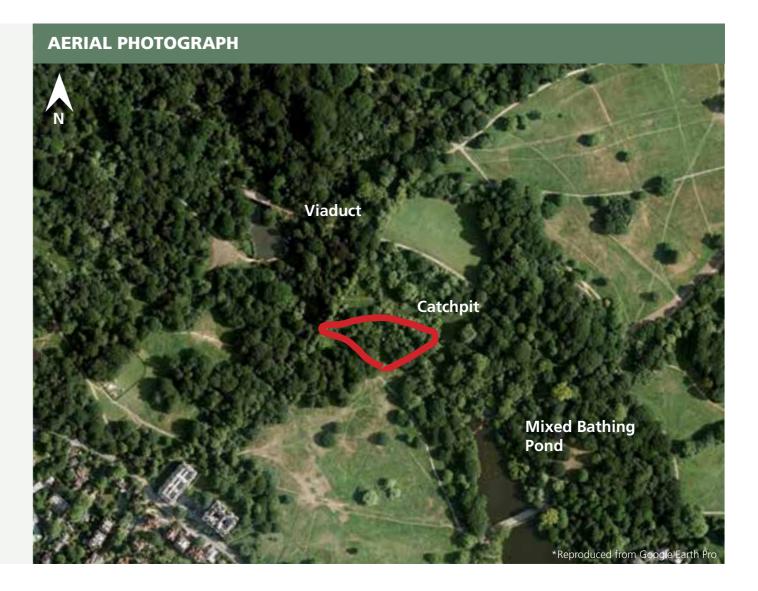


Hampstead Heath Ponds Project



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Catchpit - Planning Drawings and Design

AIMS

- Minimum intervention for maximum storage.
- Sensitive implementation to minimise the effect on the visual amenity, footpath users, and the scrubland character of the valley.
- Retain the wild and natural character of the Heath.
- Dam embankment merged into the existing natural topography.

SUMMARY OF PROPOSALS

Dam:

- New flood storage provided by earth embankment dam, 5.6m high at the lowest point in the valley and 40m wide at the widest point.
- Crest of the dam approximately 100m long. Slopes 1:3 upstream and 1:4 downstream.
- Catchpit is the main focus of works on the Hampstead Chain.

Spillway:

- Reinforced turf spillway along the whole crest of the dam.
- 750mm pipe under the dam to pass normal flows.
- Abandon existing pipe between catchpit and Mixed Bathing Pond and establish an open stream and the creation of a wetland area.

Tree Loss:

A: 0 B: 12 C: 49 U:10

Mitigation:

- Two new silt collection ponds incorporating reed bed filter systems upstream of the dam.
- Wetland scrapes and informal flow channels downstream of dam to control sediment ingress to Mixed Bathing.
- Tree removal within footprint of the dam approximately 60 relatively young predominantly hedgerow tree species and occasional over mature willows, the majority of trees have generated from self sown seed stock from adjacent more mature trees. A number of the category U trees have been blown over during storm events.
- Scrub to be planted on upstream face of new dam. New tree and shrub planting extent and location to be agreed.

EXISTING ENVIRONMENTAL CONSIDERATIONS:

- Open meandering stream, catchpit and mature oak trees.
- Natural enclosed character, wooded valley with grass glades, that includes veteran and specimen trees.
- Footpath forming tree lined route across the Heath linking to other important footpaths that have views into the area.
- Use: Amenity, footpath users.
- Close proximity of Pryors Fields to the south.
- Opportunity for environmental improvements, including ecology.

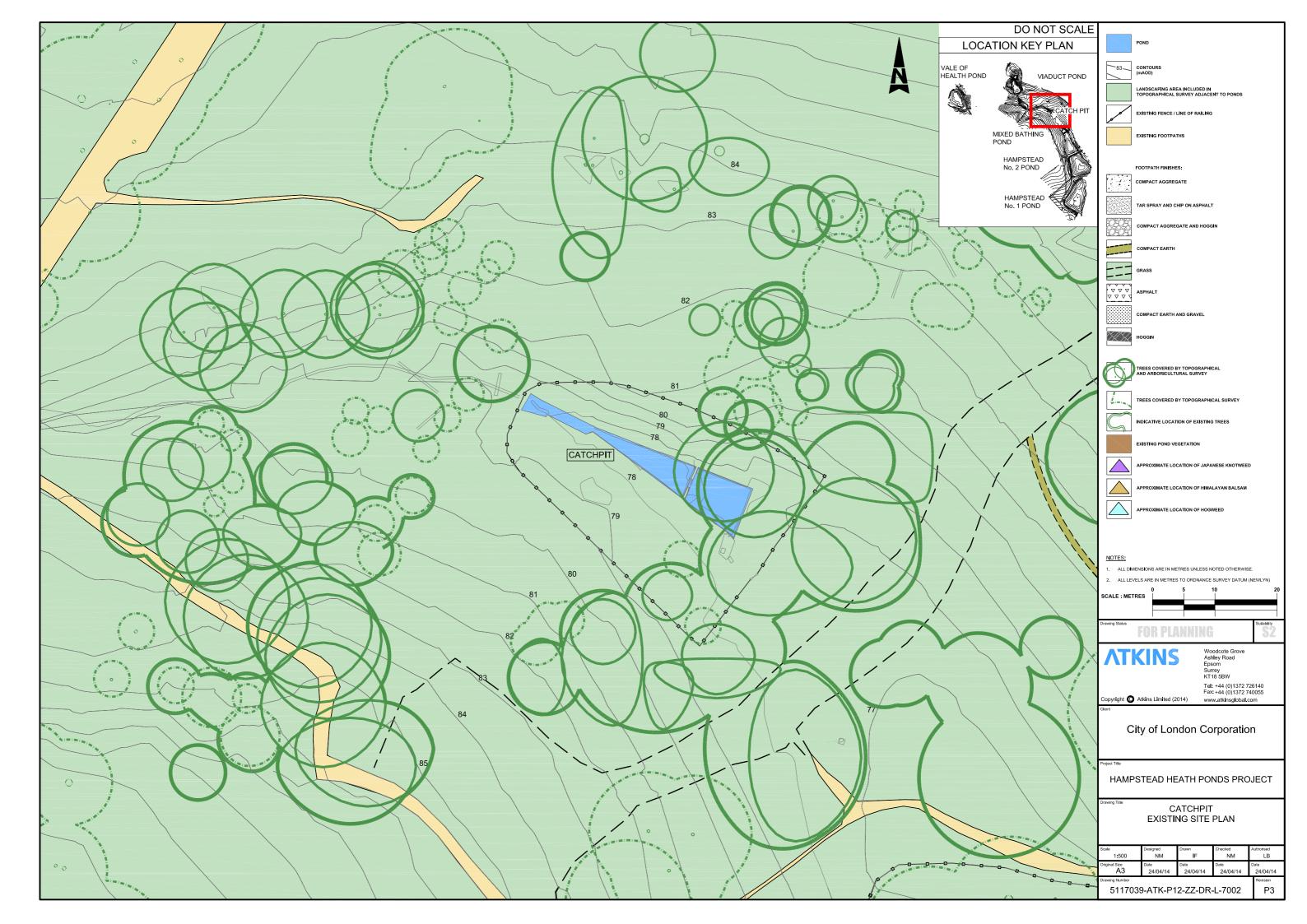
EXISTING PHOTOGRAPHS

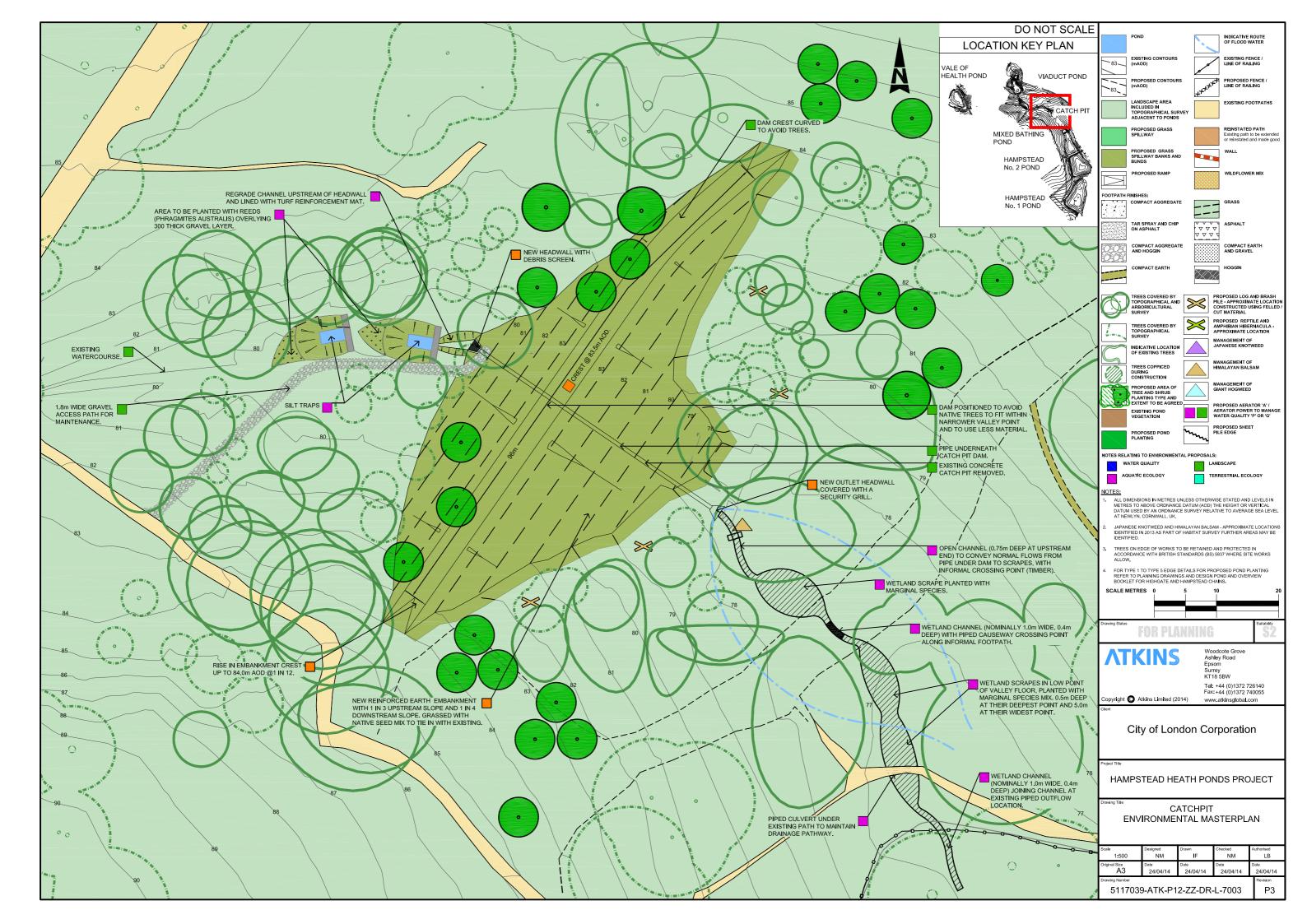


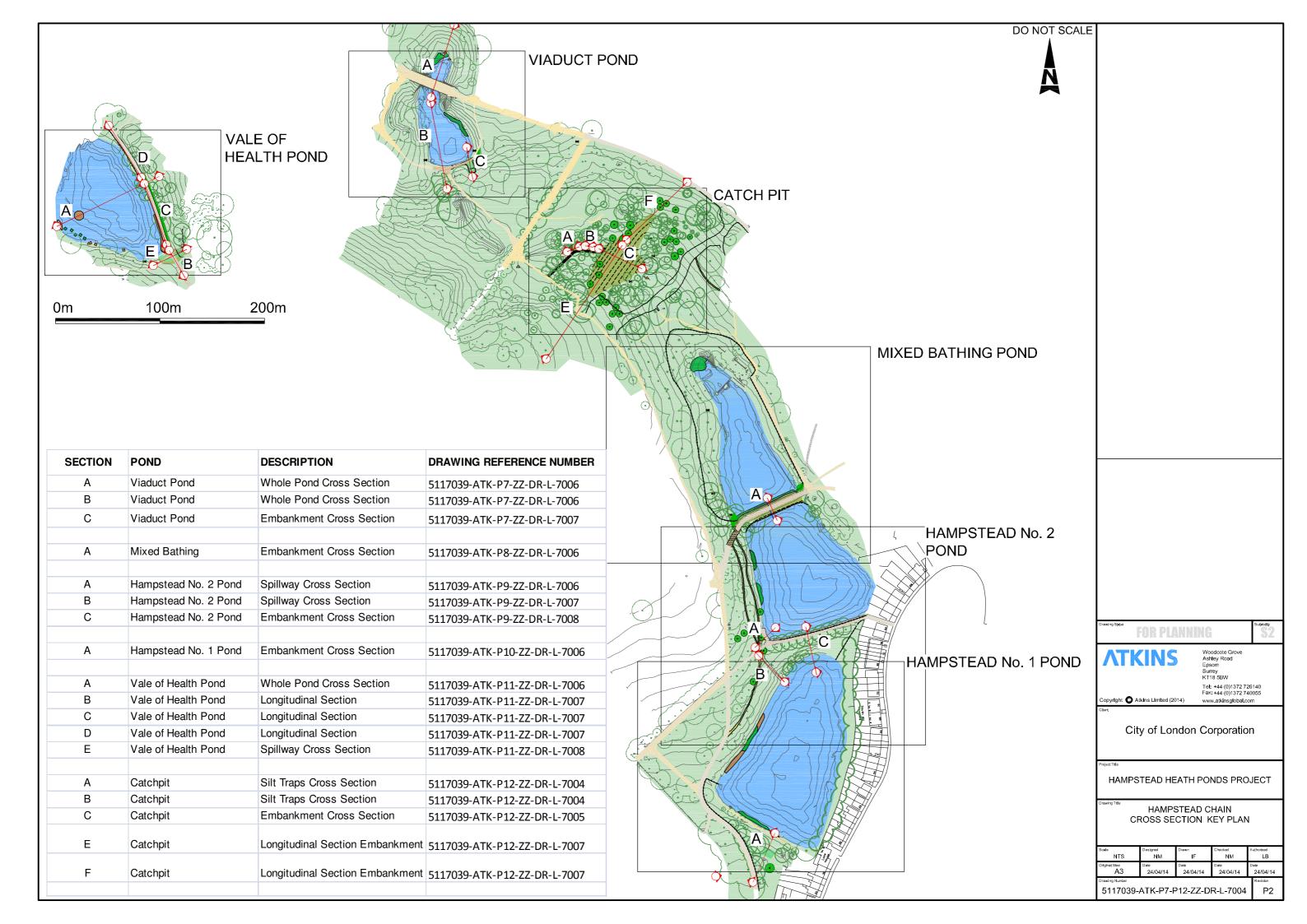
Existing view looking north along grassed path across valley. The proposed dam will be to the left of the photograph over the existing catchpit. The proposed works will be screened by the existing trees.

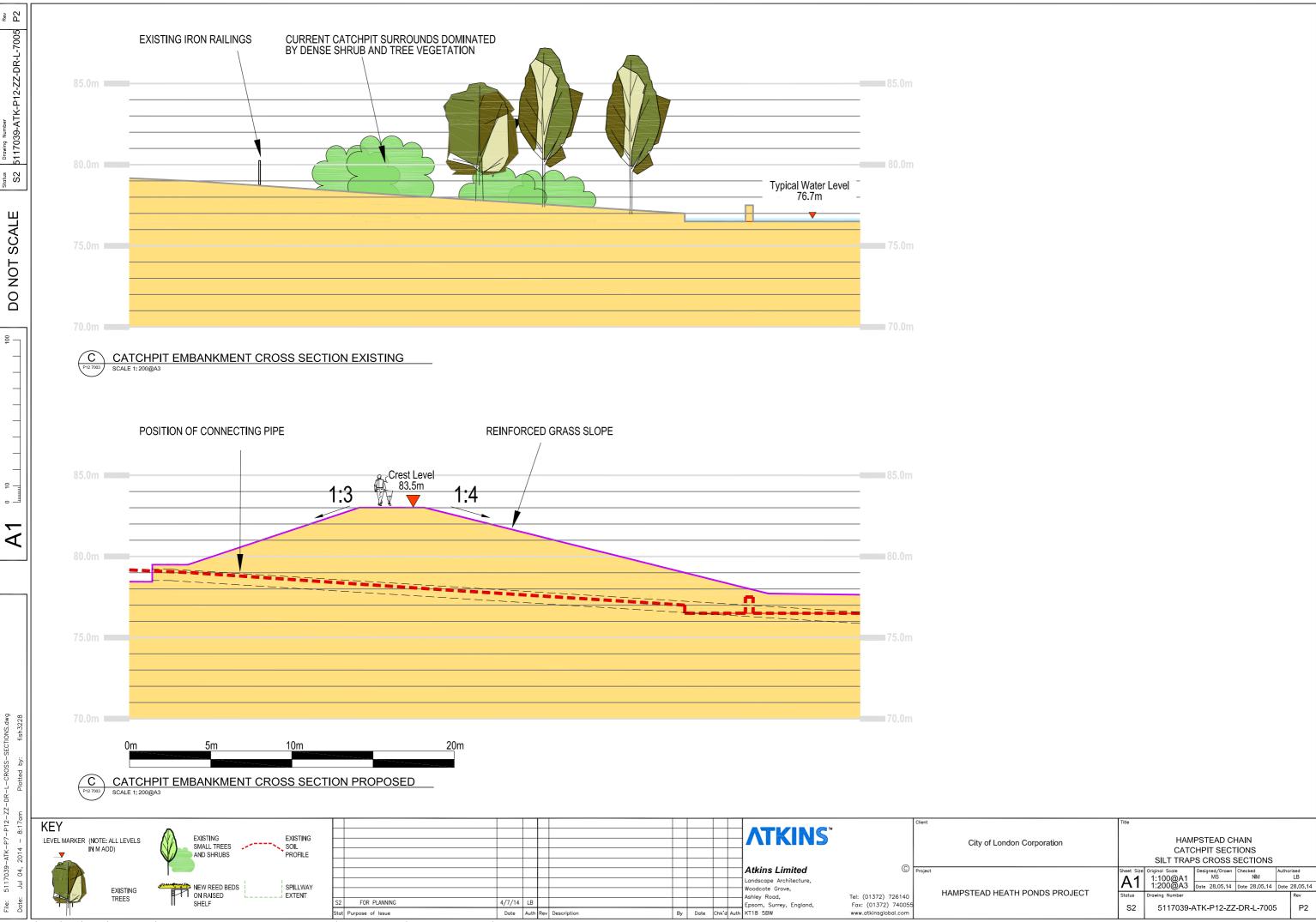


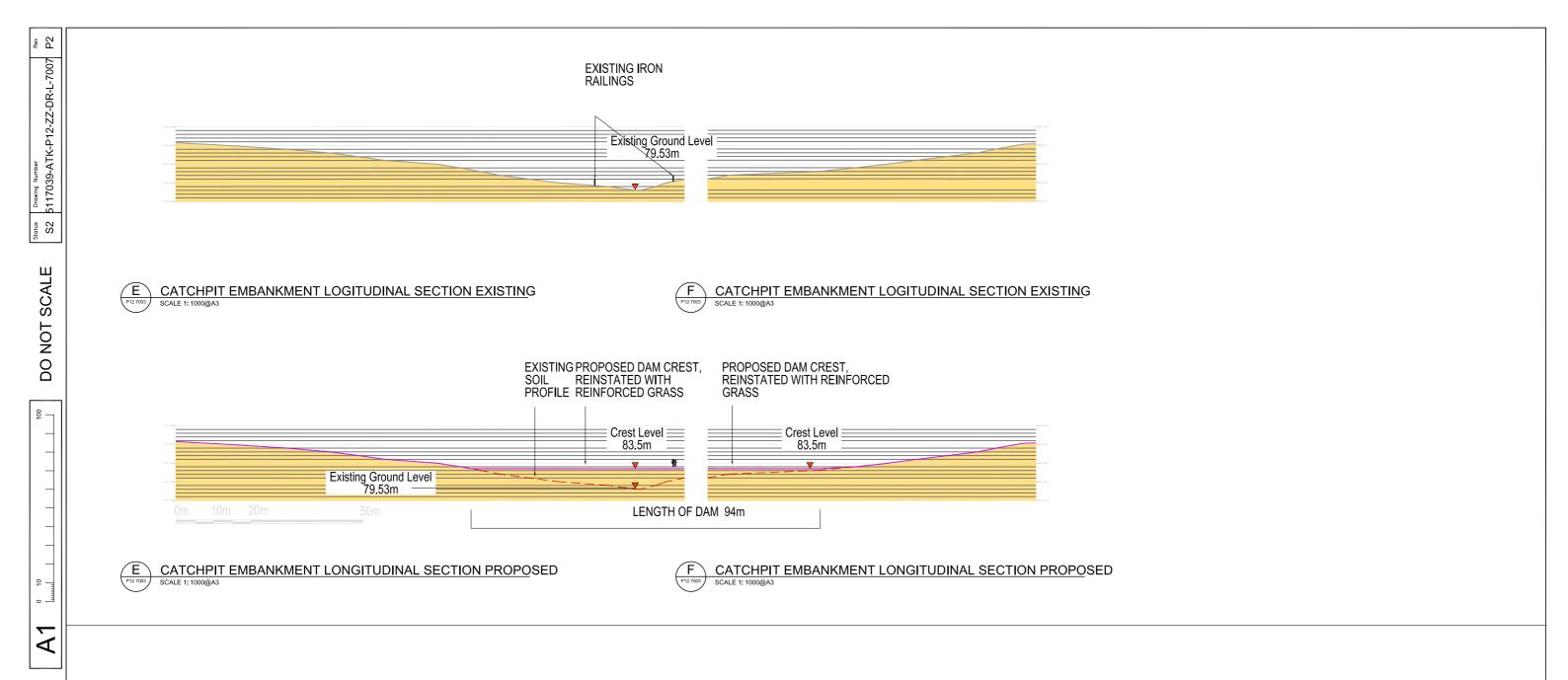
Existing view into concrete catchpit. The concrete catchpit and railing which will be removed as part of the proposed

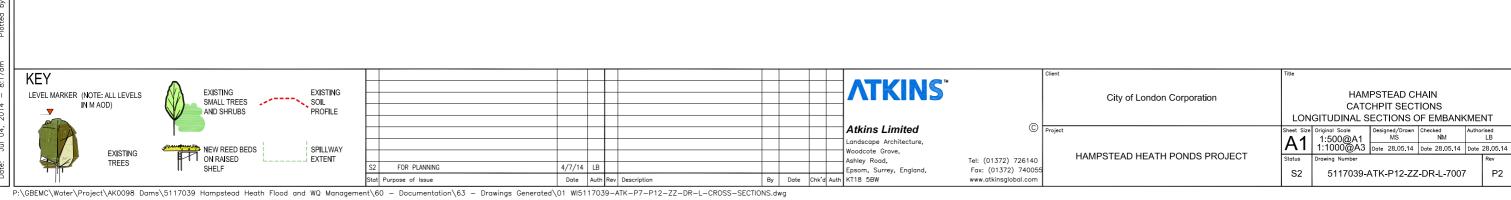




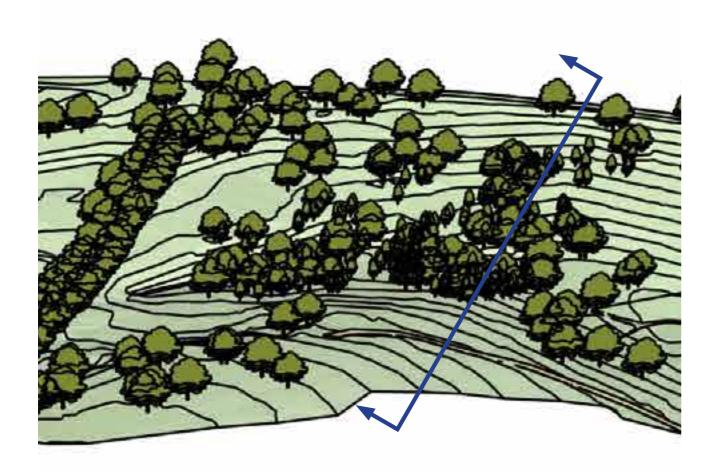




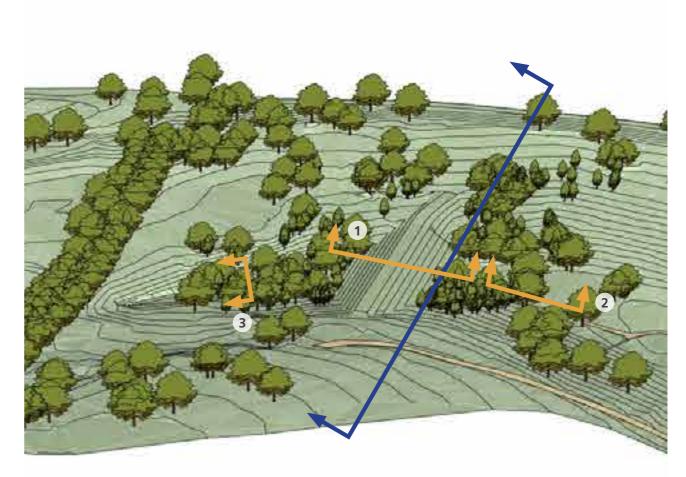




Elevations

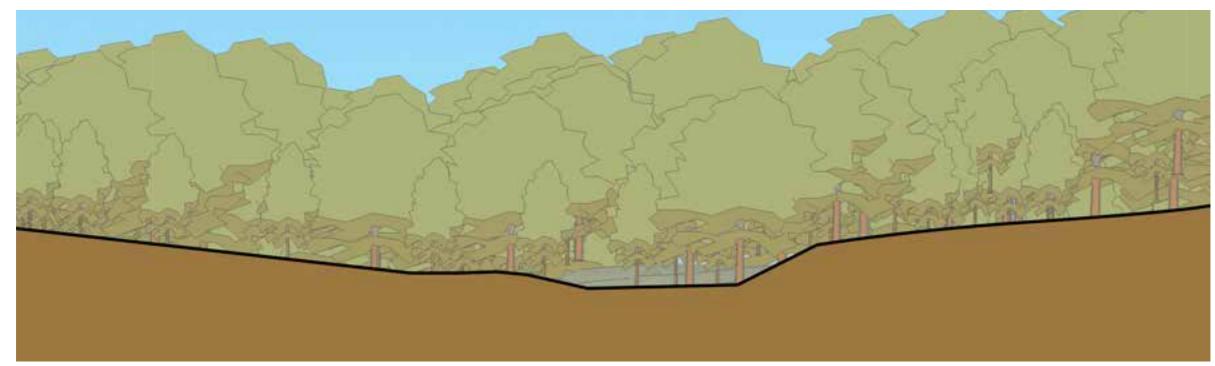


Catchpit - Existing Elevation Location Plan

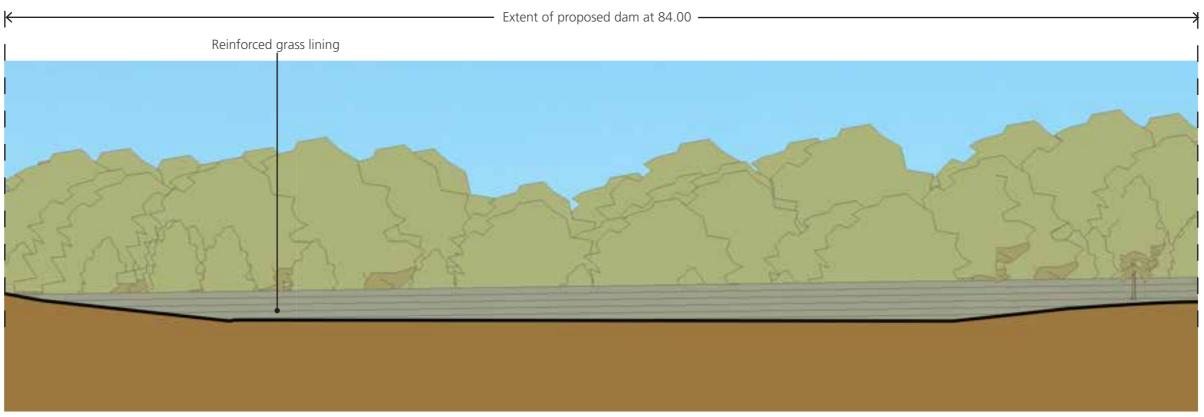


Catchpit - Proposed Elevation Location Plan





Catchpit Upstream View Existing Elevation

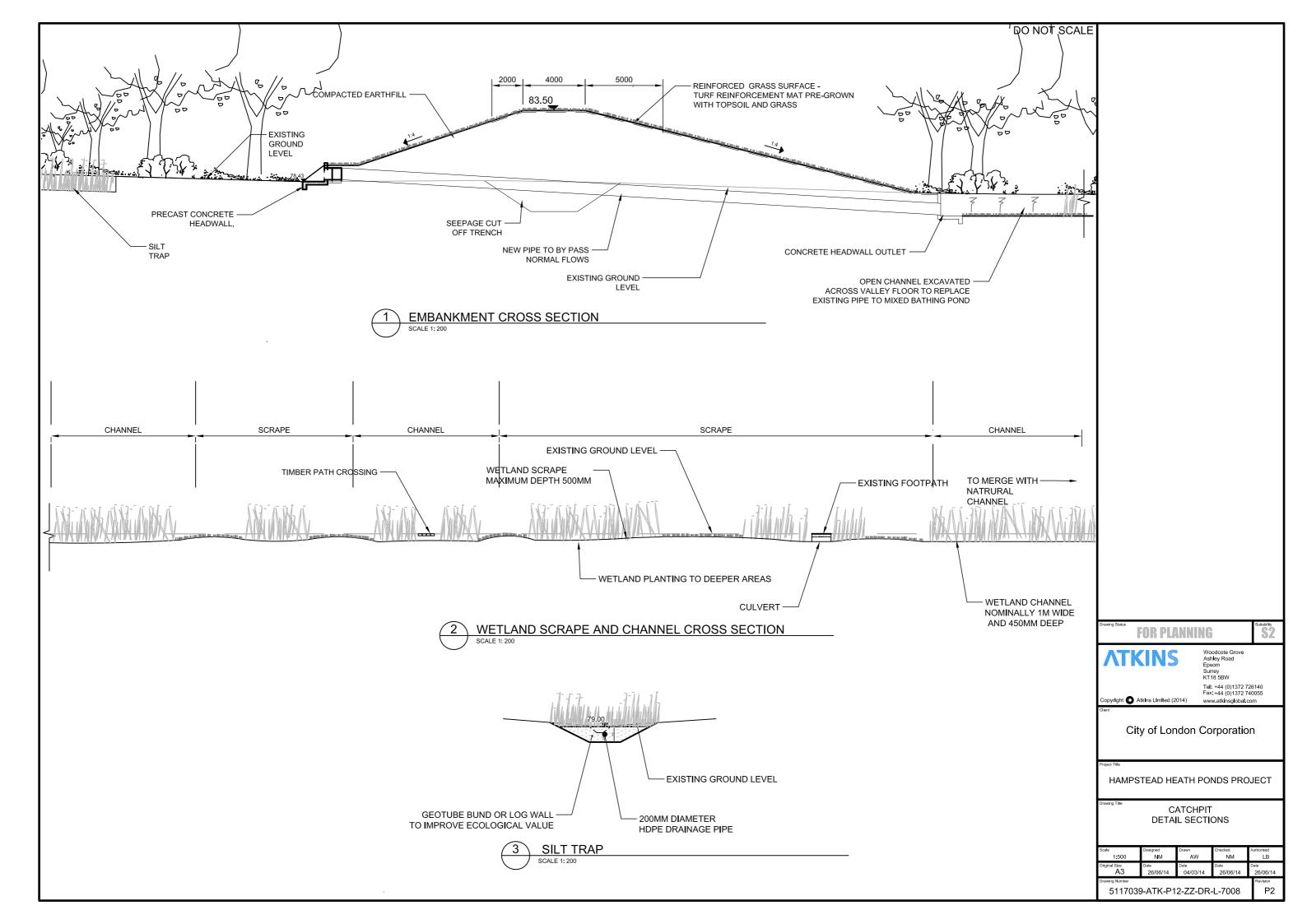


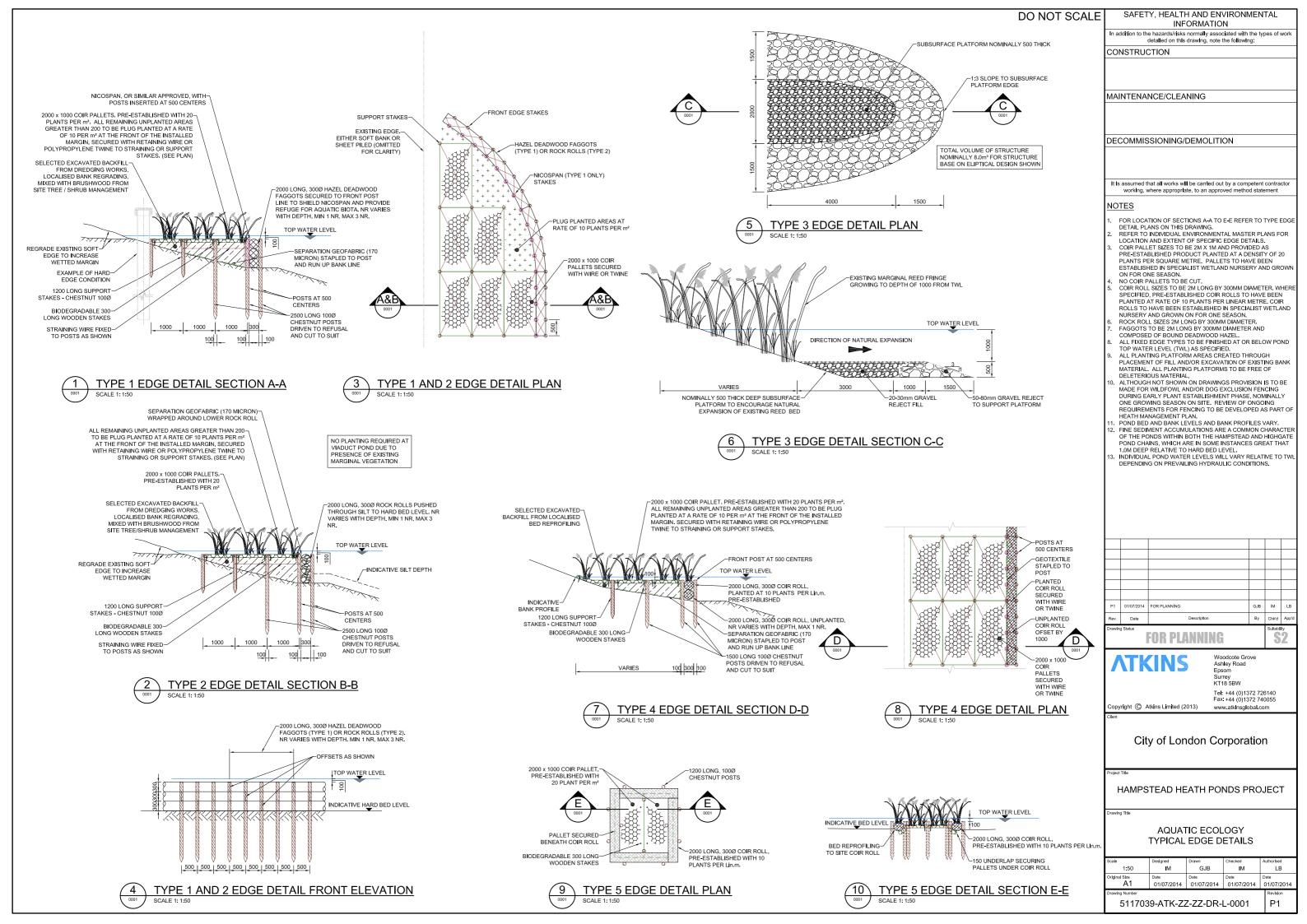
Existing Ground Level

Catchpit Upstream View Proposed Elevation



SCALE 1:200 @ A3 (METRES)





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