

Hampstead Heath Ponds Project

PLANNING DRAWINGS AND DESIGN

K. HAMPSTEAD NO. 2 POND

July 2014



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Hampstead No. 2 Pond - Planning Drawings and Design

AIMS

- Retain water level.
- Minimum intervention to improve discharge capacity.
- Sensitive implementation to minimise effect on visual amenity and features, including avenue trees that contribute to the distinct natural, landscape character of the pond at the interface between the Heath and the community.
- Maintaining the sense of place and key views from footpaths to the south and west.

SUMMARY OF PROPOSALS

Dam:

- Crest restoration with a 0.2m high edging.

Spillway:

- A new overflow at the western end formed with a precast concrete box culvert, 2.1m wide, with a drop inlet within the pond.

Tree Loss:

A: 2 B: 0 C: 0 U: 0

Mitigation:

- Marginal planting on the west bank.
- Culvert route inlet structure and width redesigned so that the London Plane trees on the dam, visible from Mixed Bathing Pond, are preserved.
- Platform designed to screen drop inlet – to provide potential area for disabled fishing access.
- New tree and shrub planting – extent and location to be agreed.

EXISTING ENVIRONMENTAL CONSIDERATIONS:

- Natural character of pond on Heath side forms informal setting on edge of community.
- Bordered by residential properties in South Hill Park that are in close proximity to the east bank with open views overlooking the Hampstead No 2 Pond.
- Semi enclosed by woodland planting on the Heath and specimen trees.
- Mature London plane trees on dam to the south linking with avenue of London plane trees to the west of Hampstead No 2 Pond.
- Visual amenity of footpaths including views overlooking Hampstead No 2 pond and Mixed Bathing Pond.
- Public access to the water's edge.
- Use: amenity, viewing, fishing.
- Opportunity for environmental improvements, including ecology and water quality.

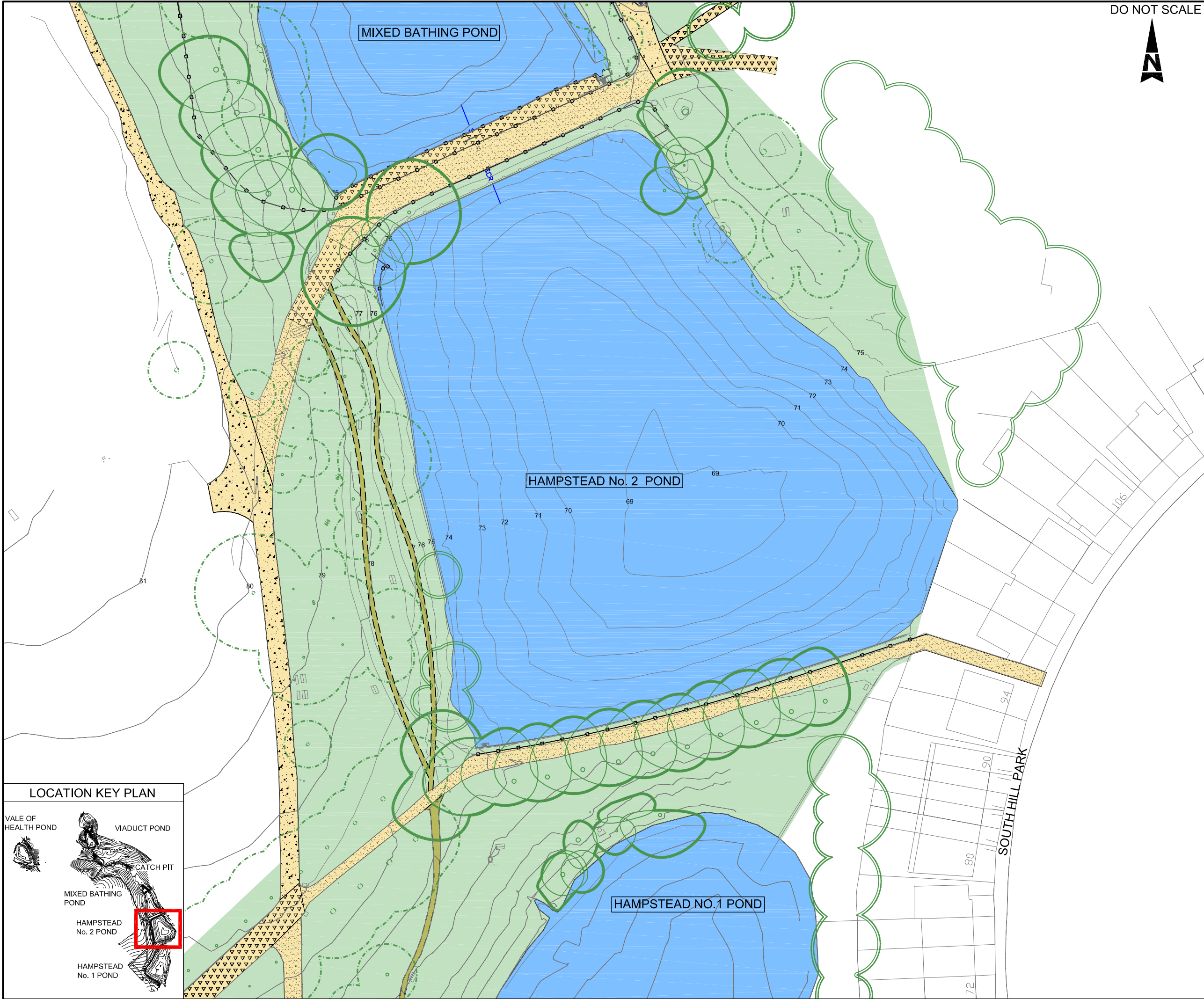
EXISTING PHOTOGRAPHS



Existing view looking north towards Hampstead No.2 Pond. The proposed spillway will run from corner of the pond. Two London Plane trees are proposed to be removed.



Existing view looking south across Hampstead No.2 Pond. Two London Plane trees will be removed in the corner. Only One London Plane tree would be affected in this view.



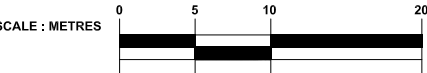
DO NOT SCALE

- POND
- 83 CONTOURS (mAOD)
- LANDSCAPING AREA INCLUDED IN TOPOGRAPHICAL SURVEY ADJACENT TO PONDS
- EXISTING FENCE / LINE OF RAILING
- EXISTING FOOTPATHS

- FOOTPATH FINISHES:
- COMPACT AGGREGATE
 - TAR SPRAY AND CHIP ON ASPHALT
 - COMPACT AGGREGATE AND HOGGIN
 - COMPACT EARTH
 - GRASS
 - ASPHALT
 - COMPACT EARTH AND GRAVEL
 - HOGGIN

- TREES COVERED BY TOPOGRAPHICAL AND ARBORICULTURAL SURVEY
- TREES COVERED BY TOPOGRAPHICAL SURVEY
- INDICATIVE LOCATION OF EXISTING TREES
- EXISTING POND VEGETATION
- APPROXIMATE LOCATION OF JAPANESE KNOTWEED
- APPROXIMATE LOCATION OF HIMALAYAN BALSAM
- APPROXIMATE LOCATION OF HOGWEED

- NOTES:
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE IN METRES TO ORDNANCE SURVEY DATUM (NEWLYN)



Drawing Status **FOR PLANNING** Suitability **S2**

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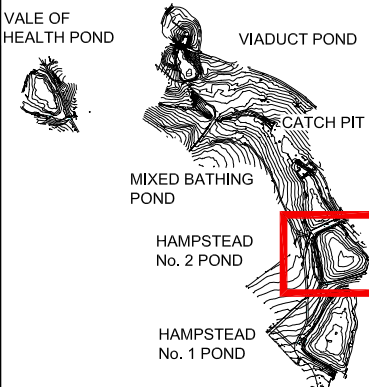
Client
City of London Corporation

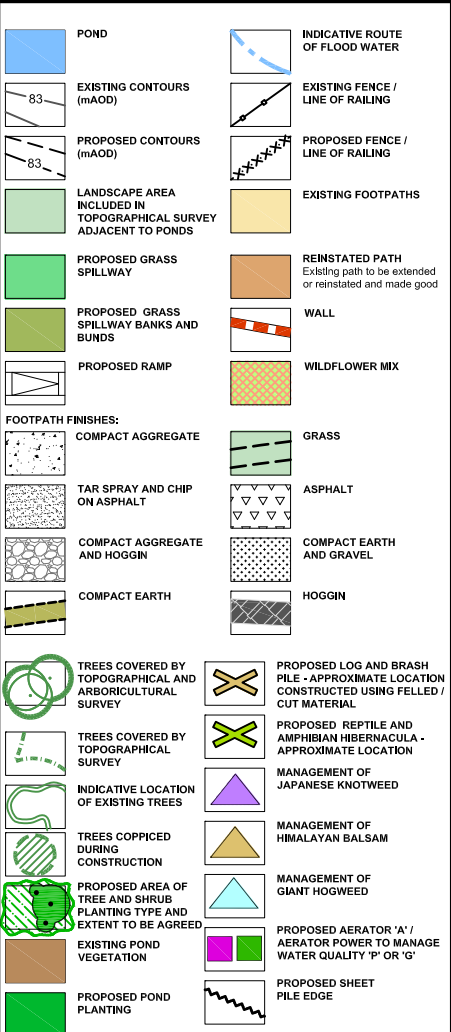
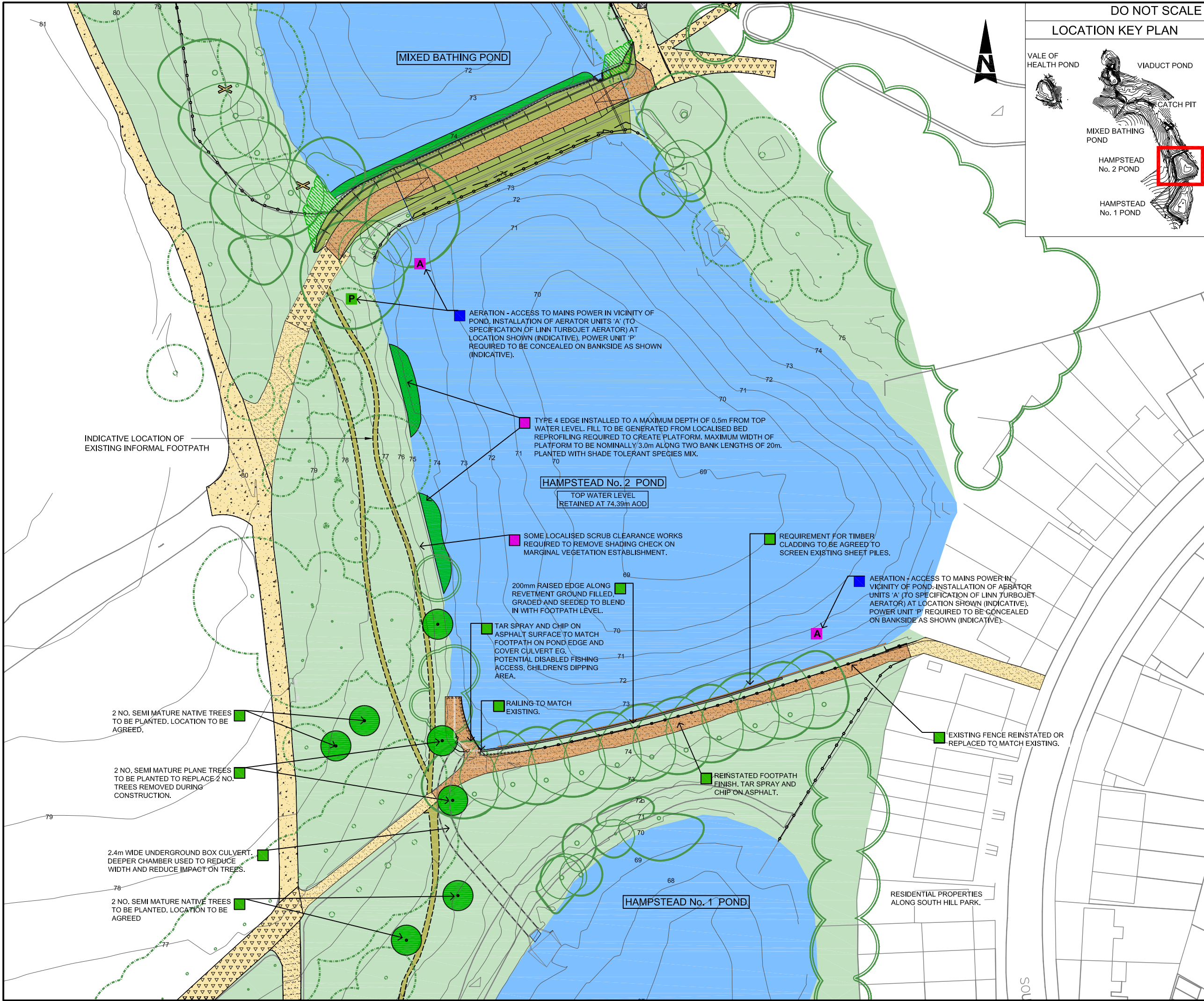
Project Title
HAMPSTEAD HEATH PONDS PROJECT

Drawing Title
**HAMPSTEAD NO.2 POND
EXISTING SITE PLAN**

Scale	Designed	Drawn	Checked	Authorised
1:750	NM	IF	NM	LB
Original Size	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14
Drawing Number	Revision			
5117039-ATK-P9-ZZ-DR-L-7004	P3			

LOCATION KEY PLAN





- NOTES RELATING TO ENVIRONMENTAL PROPOSALS:
- WATER QUALITY
 - AQUATIC ECOLOGY
 - LANDSCAPE
 - TERRESTRIAL ECOLOGY

- NOTES:
- ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED AND LEVELS IN METRES TO ABOVE ORDNANCE DATUM (AOD) THE HEIGHT OR VERTICAL DATUM USED BY AN ORDNANCE SURVEY RELATIVE TO AVERAGE SEA LEVEL AT NEWLYN, CORNWALL, UK.
 - JAPANESE KNOTWEED AND HIMALAYAN BALSAM - APPROXIMATE LOCATIONS IDENTIFIED IN 2013 AS PART OF HABITAT SURVEY FURTHER AREAS MAY BE IDENTIFIED.
 - TREES ON EDGE OF WORKS TO BE RETAINED AND PROTECTED IN ACCORDANCE WITH BRITISH STANDARDS (BS) 5837 WHERE SITE WORKS ALLOW.
 - FOR TYPE 1 TO TYPE 5 EDGE DETAILS FOR PROPOSED POND PLANTING REFER TO PLANNING DRAWINGS AND DESIGN POND AND OVERVIEW BOOKLET FOR HIGHGATE AND HAMPSTEAD CHAINS.



Drawing Status

FOR PLANNING

S2

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Project Title

HAMPSTEAD HEATH PONDS PROJECT

Drawing Title

HAMPSTEAD NO.2 POND
ENVIRONMENTAL MASTERPLAN

Scale	Designed	Drawn	IF	Checked	Authorized
1:750	NM	IF		NM	LB
Original Size	Date	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14	24/04/14
Drawing Number					Revision
5117039-ATK-P9-ZZ-DR-L-7005					P3



DO NOT SCALE

SECTION	POND	DESCRIPTION	DRAWING REFERENCE NUMBER
A	Stock Pond	Whole Pond Cross Section	5117039-ATK-P1-ZZ-DR-L-7004
B	Stock Pond	Spillway Cross Section	5117039-ATK-P1-ZZ-DR-L-7005
C	Stock Pond	Spillway Cross Section	5117039-ATK-P1-ZZ-DR-L-7005
D	Stock Pond	Spillway Cross Section	5117039-ATK-P1-ZZ-DR-L-7006
A	Kenwood Ladies' Bathing Pond	Embankment Cross Section	5117039-ATK-P2-ZZ-DR-L-7006
B	Kenwood Ladies' Bathing Pond	Embankment Cross Section	5117039-ATK-P2-ZZ-DR-L-7007
C	Kenwood Ladies' Bathing Pond	Embankment Longitudinal Section	5117039-ATK-P2-ZZ-DR-L-7008
A	Bird Sanctuary	Whole Pond Cross Section	5117039-ATK-P3-ZZ-DR-L-7008
B	Bird Sanctuary	Embankment Cross Section	5117039-ATK-P3-ZZ-DR-L-7009
A	Model Boating Pond	Whole Pond Cross Section	5117039-ATK-P4-ZZ-DR-L-7008
B	Model Boating Pond	Embankment Cross Section	5117039-ATK-P4-ZZ-DR-L-7009
A	Men's Bathing Pond	Longitudinal Sections Spillway	5117039-ATK-P5-ZZ-DR-L-7008
B	Men's Bathing Pond	Cross Section Spillway	5117039-ATK-P5-ZZ-DR-L-7009
C	Men's Bathing Pond	Embankment Cross Section	5117039-ATK-P5-ZZ-DR-L-7010
D	Men's Bathing Pond	Embankment Cross Section	5117039-ATK-P5-ZZ-DR-L-7011
A	Highgate No.1 Pond	Whole Pond Cross Section	5117039-ATK-P6-ZZ-DR-L-7006
B	Highgate No.1 Pond	Embankment Cross Section	5117039-ATK-P6-ZZ-DR-L-7007
C	Highgate No.1 Pond	Spillway Cross Section	5117039-ATK-P6-ZZ-DR-L-7008

Drawing Subst

FOR PLANNING

Substality

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HAMPSTEAD HEATH PONDS PROJECT

Drawing Title

HIGHGATE CHAIN
CROSS SECTION KEY PLAN

Scale	Designed	Drawn	Checked	Authorised
NTS	NM	IF	NM	LB
Original Size	Date	Date	Date	Date
A3	24/04/14	24/04/14	24/04/14	24/04/14

Drawing Number







5117039-ATK-P1-P6-ZZ-DR-L-7004

Revision

P2



KEY

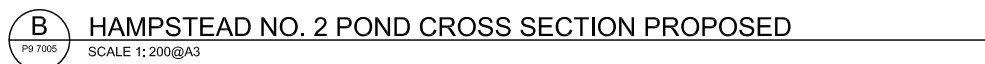
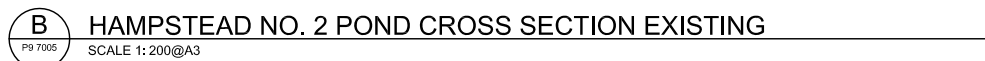
	LEVEL MARKER (NOTE: ALL LEVELS IN M AOD)
	EXISTING TREES
	EXISTING SMALL TREES AND SHRUBS
	NEW REED BEDS ON RAISED SHELF
	EXISTING SOIL PROFILE
	SPILLWAY EXTENT

S2	FOR PLANNING	4/7/14	LB						
Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth

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Landscape Architecture,
Woodcote Grove,
Ashley Road,
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Tel: (01372) 726140
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Client		Title				
City of London Corporation		HAMPSTEAD CHAIN CROSS SECTIONS HAMPSTEAD NO. 2 POND				
Project		Sheet Size	Original Scale	Designed/Drawn MS	Checked NM	Authorised LB
HAMPSTEAD HEATH PONDS PROJECT		A1	1:100@A1 1:200@A3	Date 28.05.14	Date 28.05.14	Date 28.05.14
5		Status	Drawing Number			Rev
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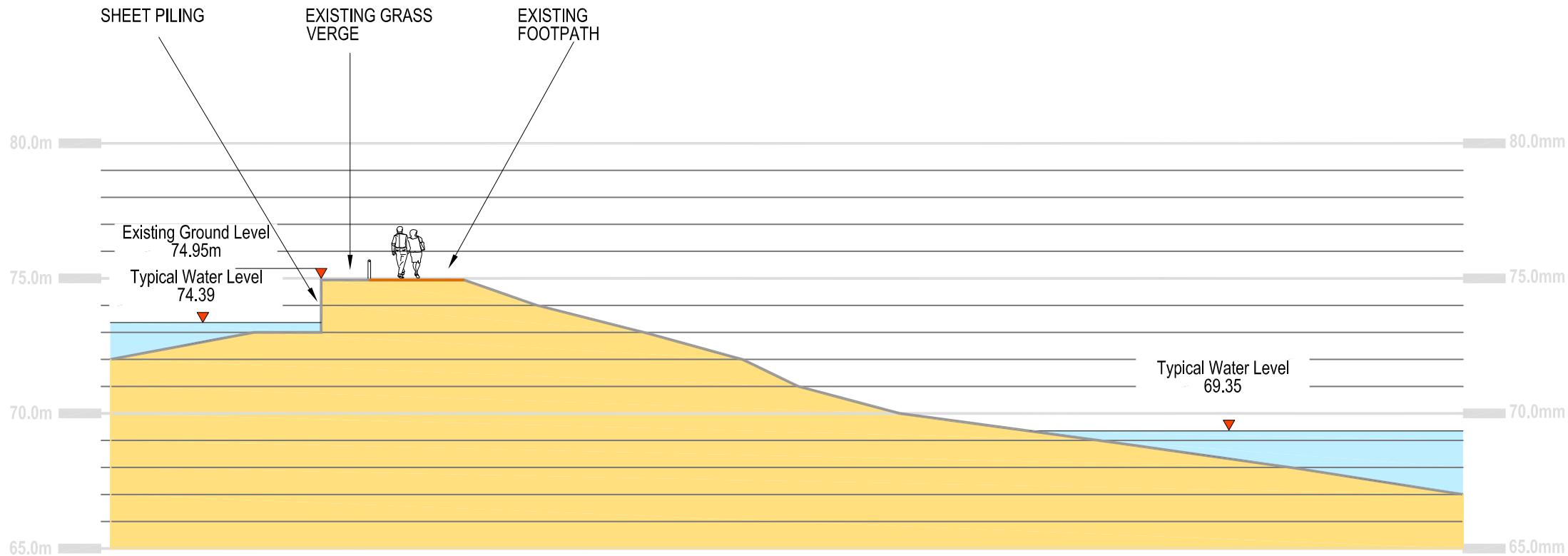


S2	FOR PLANNING	4/7/14	LB						
Stat	Purpose of Issue	Date	Auth	Rev	Description		By	Date	Chk'd Auth

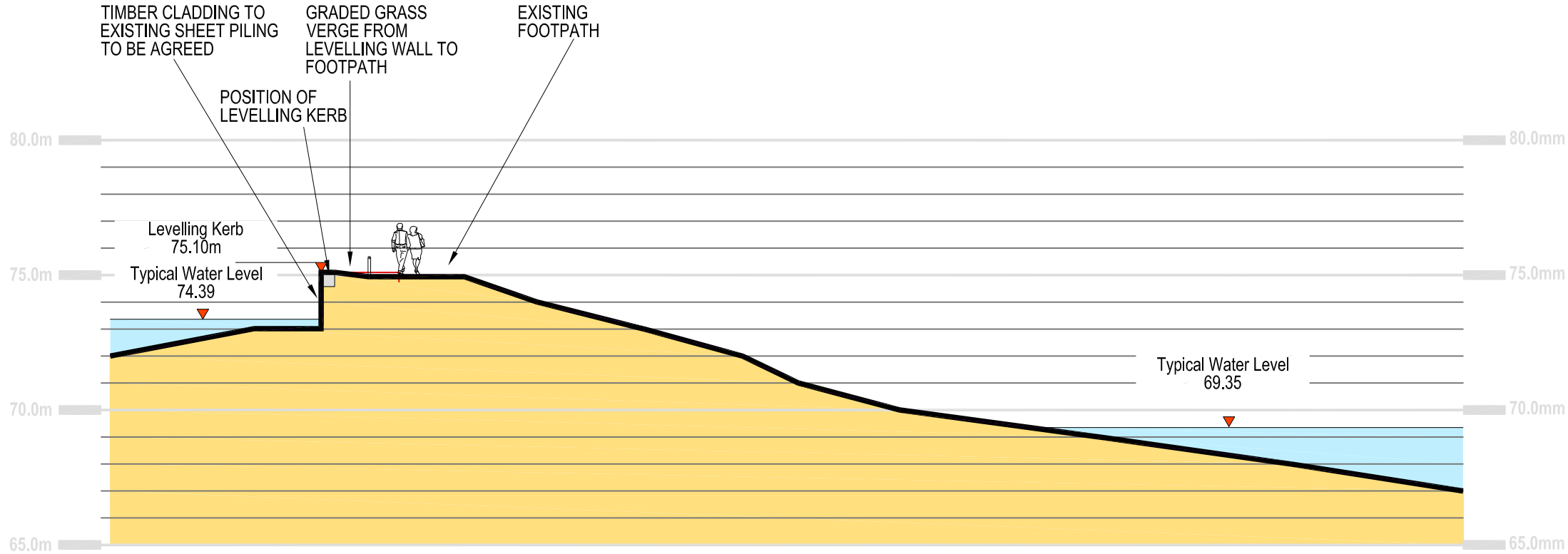
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(C)	Project	
		HAMPSTEAD HEATH PONDS PROJECT

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	1:200@A3	Date 28.05.14	Date 28.05.14	Date 28.05.14
Status	Drawing Number			Rev
S2	5117039-ATK-P9-ZZ-DR-L-7007			P2



C HAMPSTEAD NO. 2 POND CROSS SECTION EMBANKMENT EXISTING
P9 7008 SCALE 1: 200@A3



C HAMPSTEAD NO. 2 POND CROSS SECTION EMBANKMENT PROPOSED
P9 7008 SCALE 1: 200@A3

KEY

LEVEL MARKER (NOTE: ALL LEVELS IN M AOD)



EXISTING TREES



EXISTING SMALL TREES AND SHRUBS



NEW REED BEDS ON RAISED SHELF

EXISTING SOIL PROFILE

SPILLWAY EXTENT

Stat	Purpose of Issue	Date	Auth	Rev	Description	By	Date	Chk'd	Auth
S2	FOR PLANNING	4/7/14	LB						

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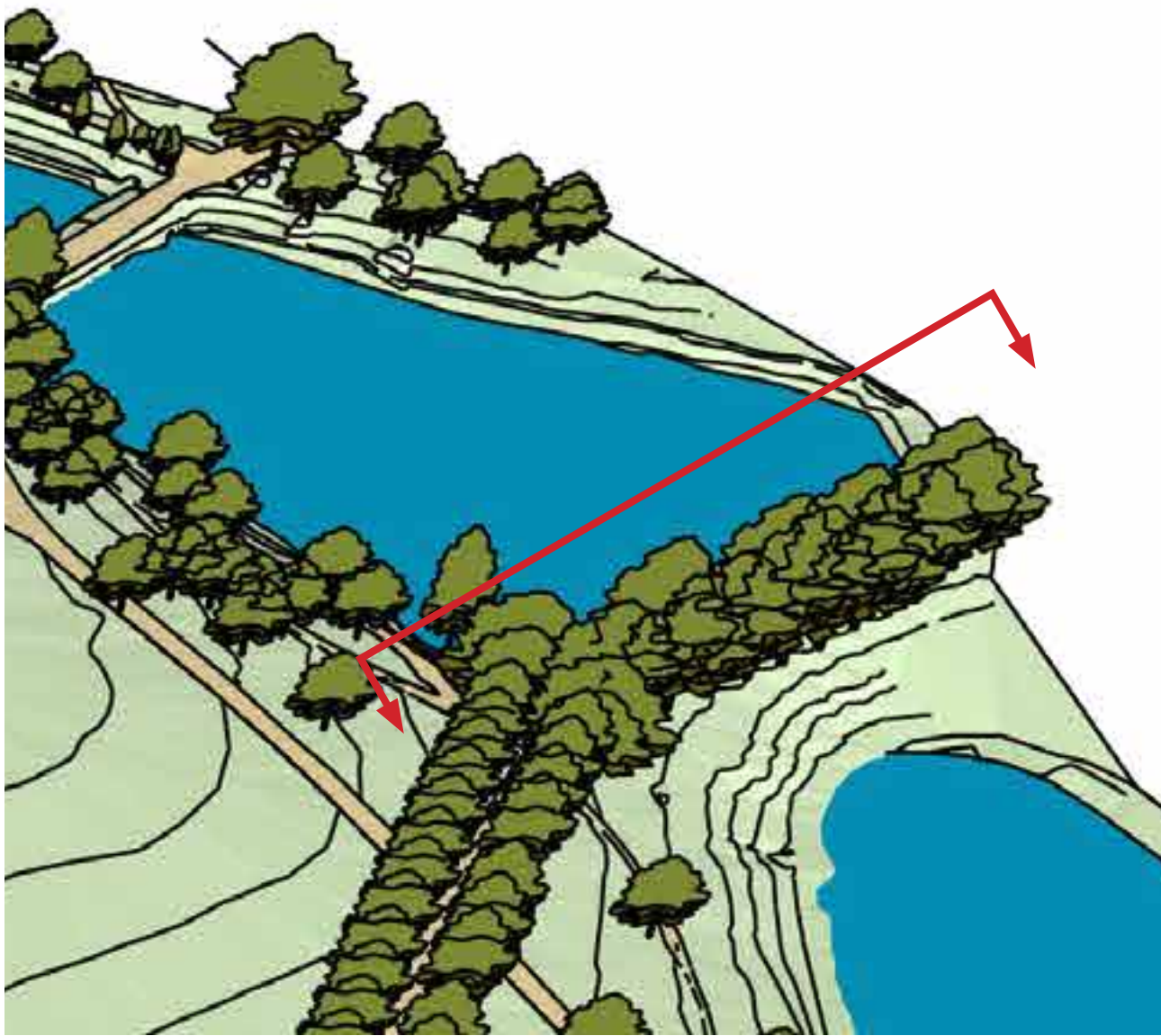
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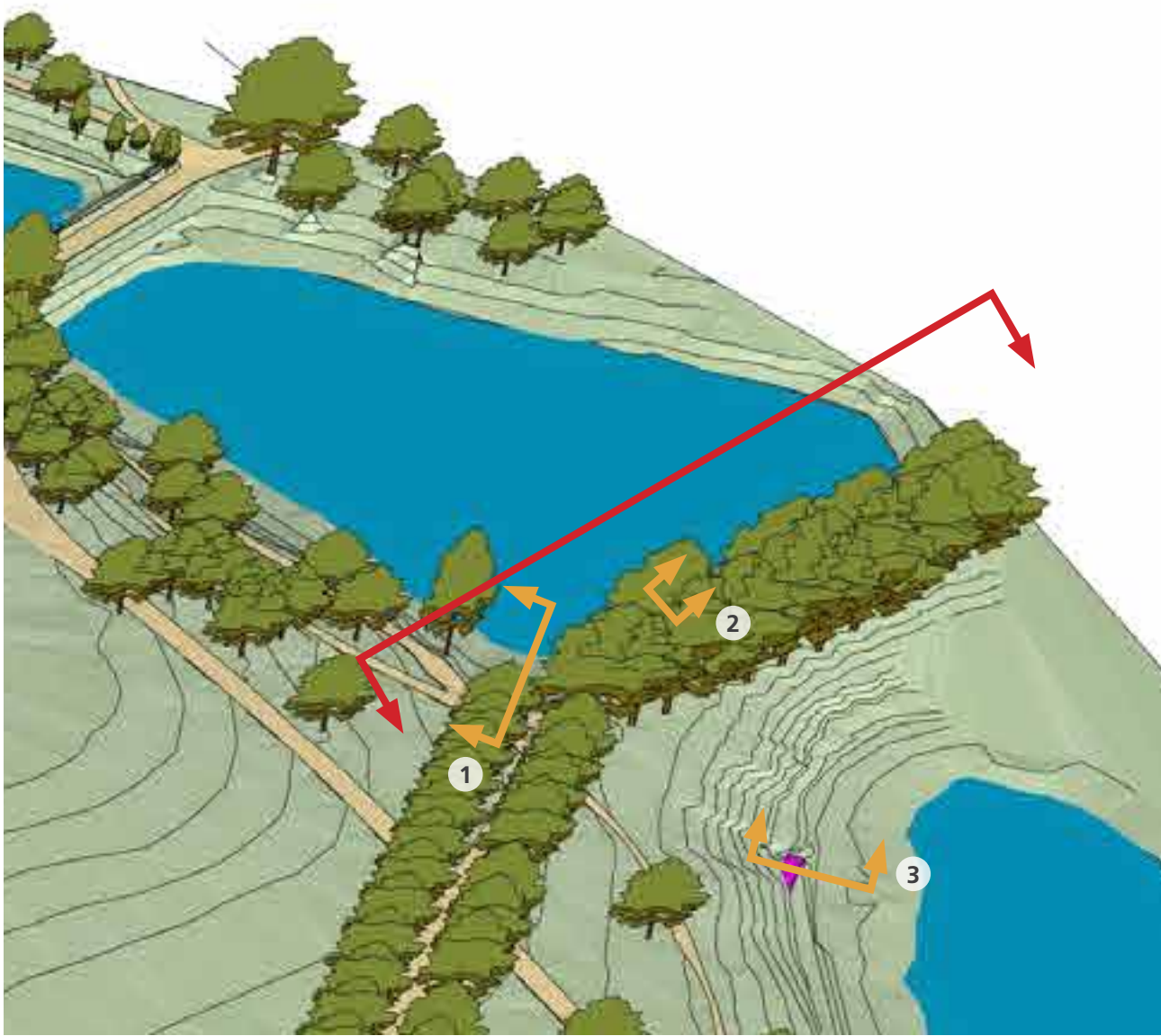
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Project		HAMPSTEAD HEATH PONDS PROJECT			

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Status	Drawing Number	Date	Date	Date	Rev
S2	5117039-ATK-P9-ZZ-DR-L-7008	28.05.14	28.05.14	28.05.14	P2

Elevations



Hampstead No.2 Pond - Existing Elevation Location Plan



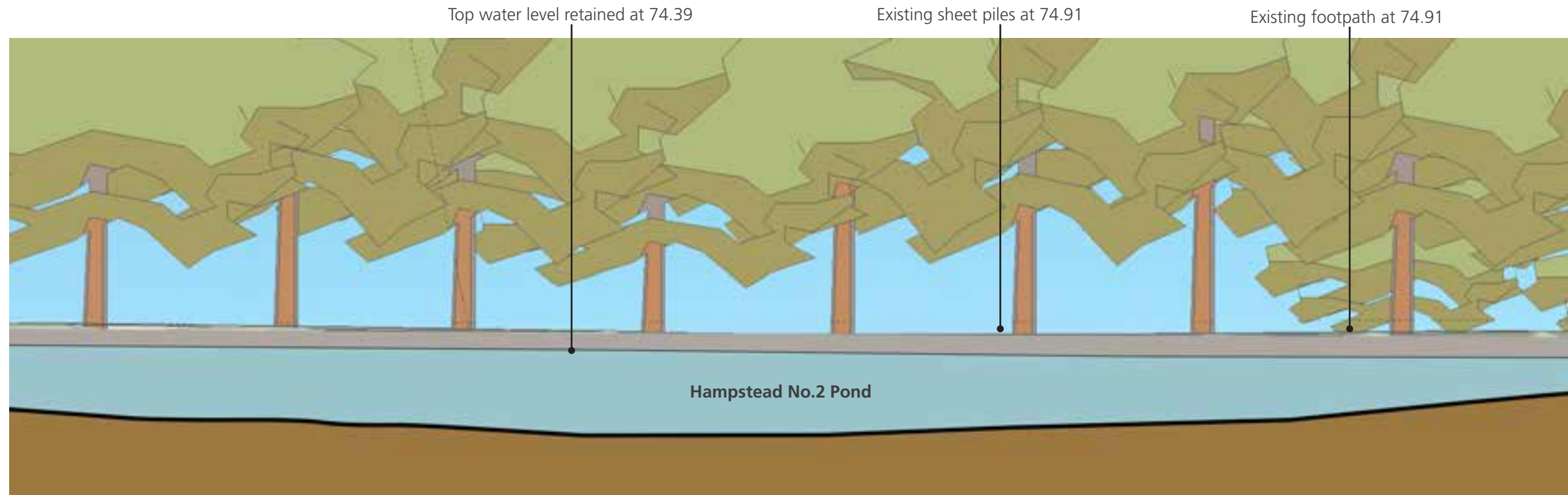
Hampstead No.2 Pond - Proposed Elevation Location Plan

Key

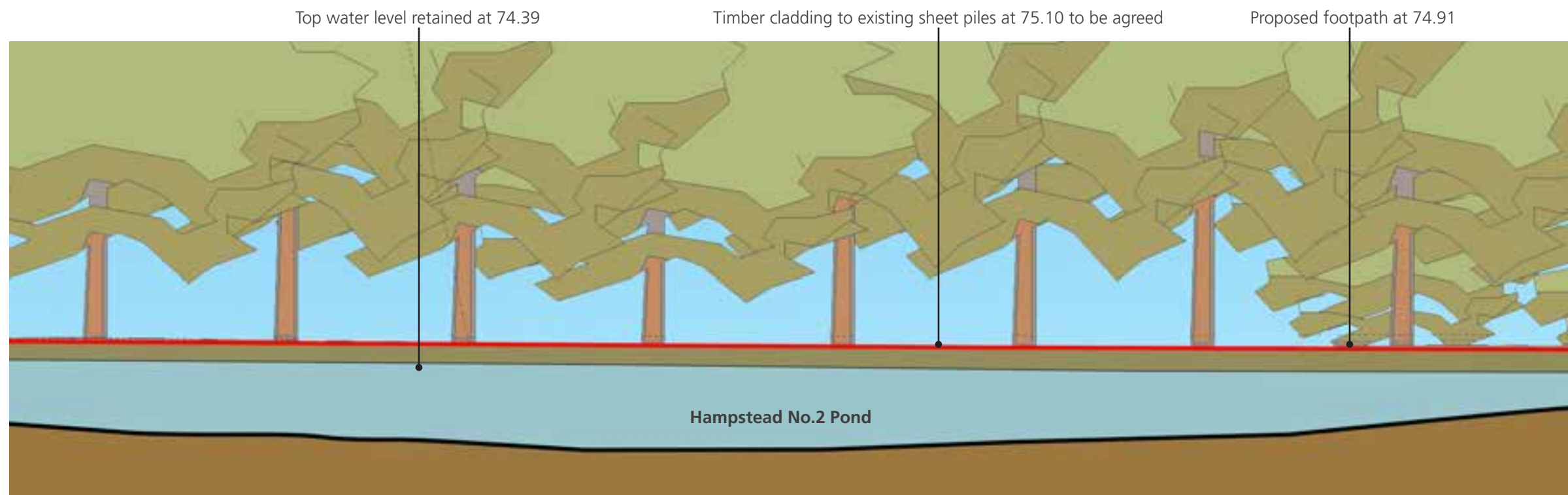
Downstream view

Detail Sections

Upstream view



Hampstead No.2 Pond Downstream View Existing Elevation



Hampstead No.2 Pond Downstream View Proposed Elevation

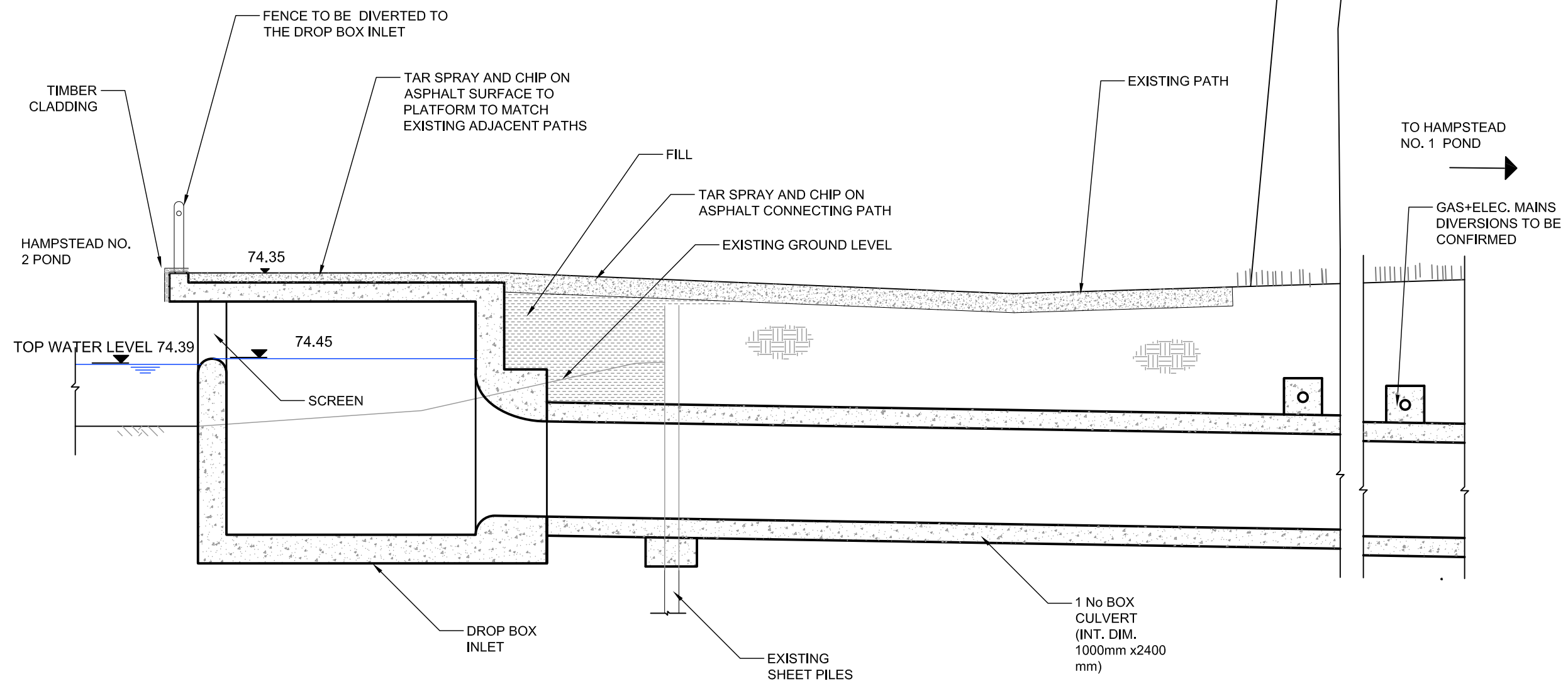


SCALE 1:200 @ A3 (METRES)

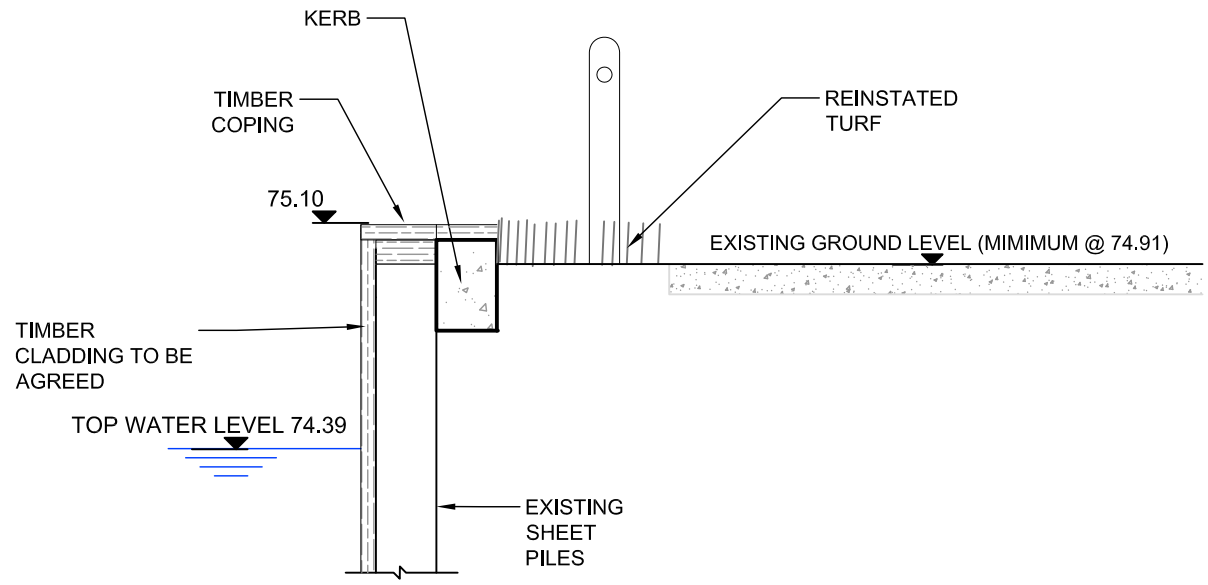
All dimensions in metres unless otherwise stated and levels in metres to Above Ordnance Datum (AOD) - the height or vertical datum used by an Ordnance Survey relative to the average sea level at Newlyn, Cornwall UK.

All elevations are illustrative and have been rendered from the 3D Sketchup model

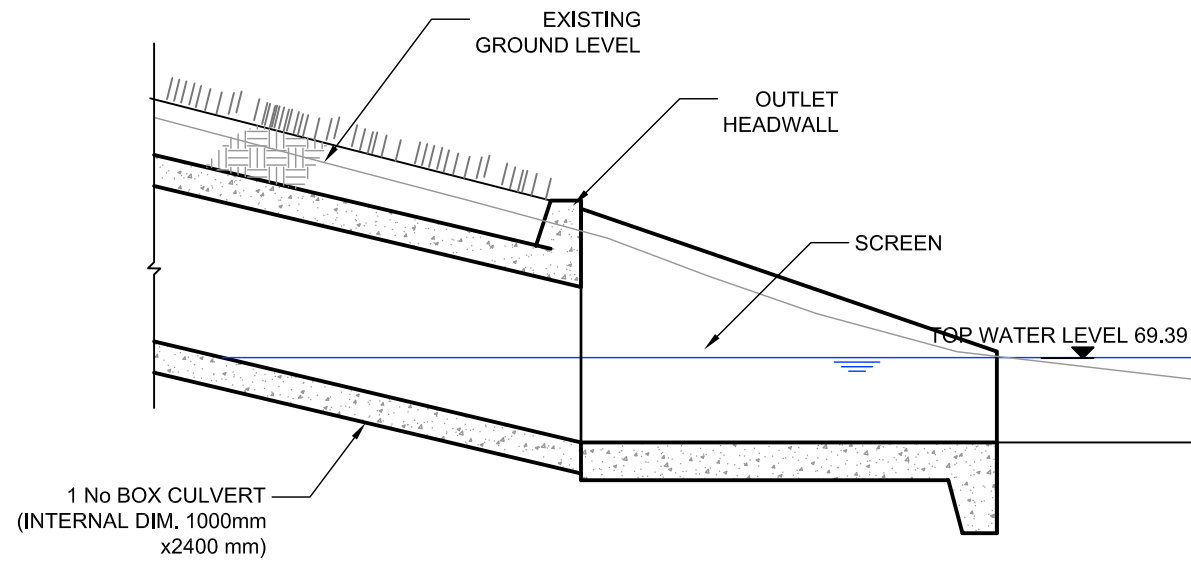
DO NOT SCALE



1 SPILLWAY LONGITUDINAL SECTION
SCALE 1: 50



2 TYPICAL LEVELLING KERB DETAIL
SCALE 1: 50



3 SPILLWAY OUTLET LONGITUDINAL SECTION
SCALE 1: 50

Drawing Status		FOR PLANNING		Suitability	
				S2	
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Project Title					
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Drawing Title					
HAMPSTEAD NO.2 POND DETAIL SECTIONS					
Scale	1:25, 1:50	Designed	NM	Drawn	AW
				Checked	NM
					Authorised
					LB
Original Size	A3	Date	26/06/14	Date	26/06/14
Drawing Number		5117039-ATK-P9-ZZ-DR-L-7009			Revision
					P2

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION

MAINTENANCE/CLEANING

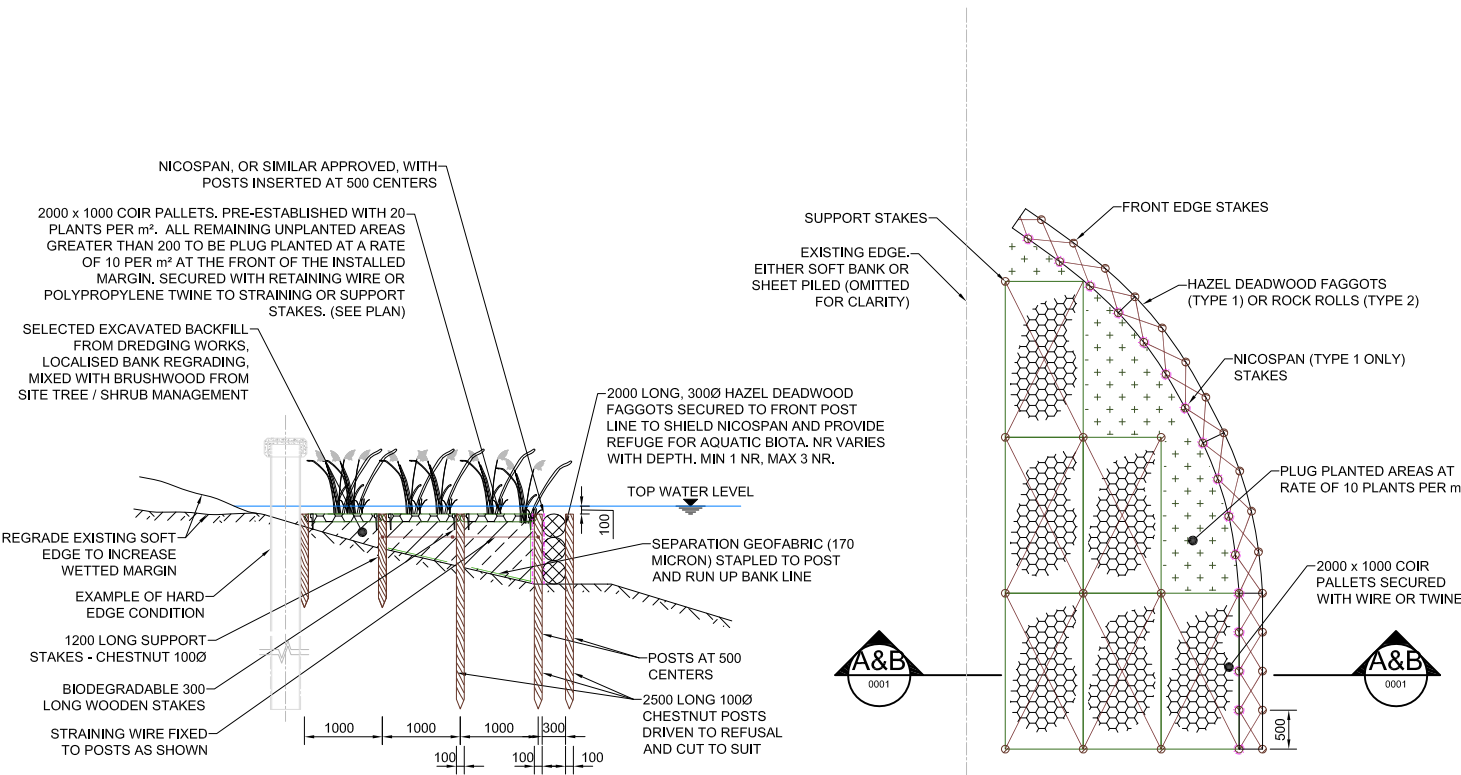
DECOMMISSIONING/DEMOLITION

NOTES

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

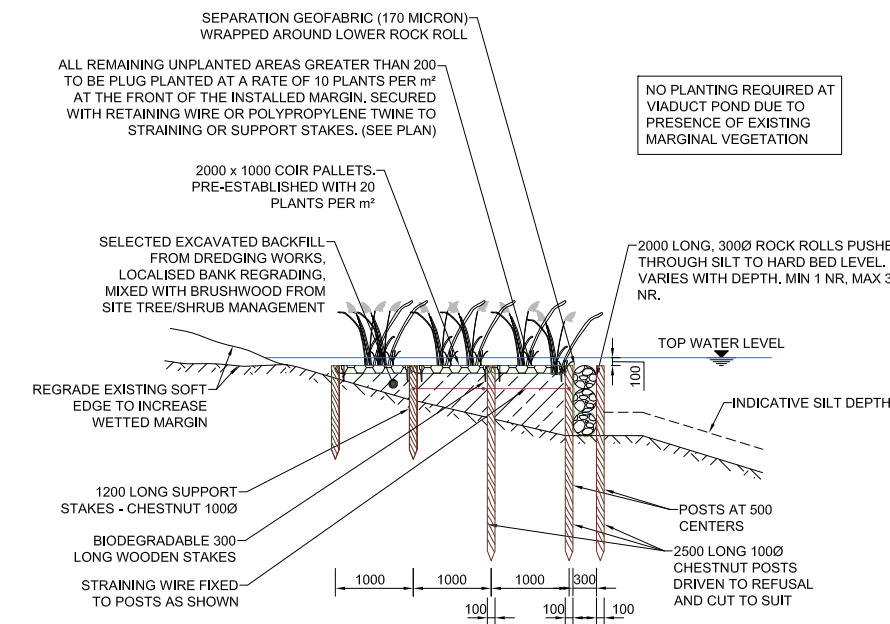
NOTES

- FOR LOCATION OF SECTIONS A-A TO E-E REFER TO TYPE EDGE DETAIL PLANS ON THIS DRAWING.
- REFER TO INDIVIDUAL ENVIRONMENTAL MASTER PLANS FOR LOCATION AND EXTENT OF SPECIFIC EDGE DETAILS.
- COIR PALLET SIZES TO BE 2M X 1M AND PROVIDED AS PRE-ESTABLISHED PRODUCT PLANTED AT A DENSITY OF 20 PLANTS PER SQUARE METRE. PALLETS TO HAVE BEEN ESTABLISHED IN SPECIALIST WETLAND NURSERY AND GROWN ON FOR ONE SEASON.
- NO COIR PALLETS TO BE CUT.
- COIR ROLL SIZES TO BE 2M LONG BY 300MM DIAMETER. WHERE SPECIFIED, PRE-ESTABLISHED COIR ROLLS TO HAVE BEEN PLANTED AT RATE OF 10 PLANTS PER LINEAR METRE. COIR ROLLS TO HAVE BEEN ESTABLISHED IN SPECIALIST WETLAND NURSERY AND GROWN ON FOR ONE SEASON.
- ROCK ROLL SIZES 2M LONG BY 300MM DIAMETER.
- FAGGOTS TO BE 2M LONG BY 300MM DIAMETER AND COMPOSED OF BOUND DEADWOOD HAZEL.
- ALL FIXED EDGE TYPES TO BE FINISHED AT OR BELOW POND TOP WATER LEVEL (TWL) AS SPECIFIED.
- ALL PLANTING PLATFORM AREAS CREATED THROUGH PLACEMENT OF FILL AND/OR EXCAVATION OF EXISTING BANK MATERIAL. ALL PLANTING PLATFORMS TO BE FREE OF DELETERIOUS MATERIAL.
- ALTHOUGH NOT SHOWN ON DRAWINGS PROVISION IS TO BE MADE FOR WILDFOWL AND/OR DOG EXCLUSION FENCING DURING EARLY PLANT ESTABLISHMENT PHASE, NOMINALLY ONE GROWING SEASON ON SITE. REVIEW OF ONGOING REQUIREMENTS FOR FENCING TO BE DEVELOPED AS PART OF HEATH MANAGEMENT PLAN.
- POND BED AND BANK LEVELS AND BANK PROFILES VARY.
- FINE SEDIMENT ACCUMULATIONS ARE A COMMON CHARACTER OF THE PONDS WITHIN BOTH THE HAMPSHIRE AND HIGHGATE POND CHAINS, WHICH ARE IN SOME INSTANCES GREAT THAN 1.0M DEEP RELATIVE TO HARD BED LEVEL.
- INDIVIDUAL POND WATER LEVELS WILL VARY RELATIVE TO TWL DEPENDING ON PREVAILING HYDRAULIC CONDITIONS.

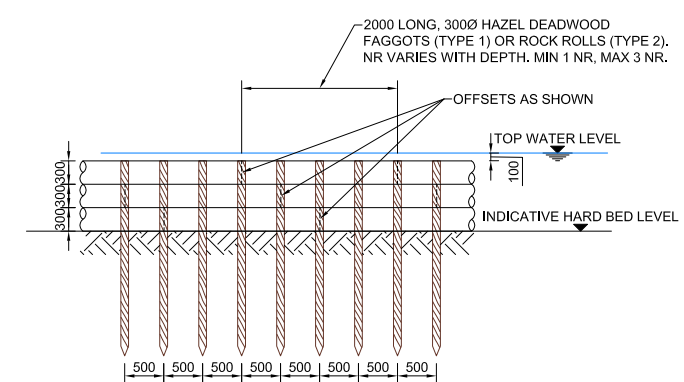


1 TYPE 1 EDGE DETAIL SECTION A-A
SCALE 1: 1:50

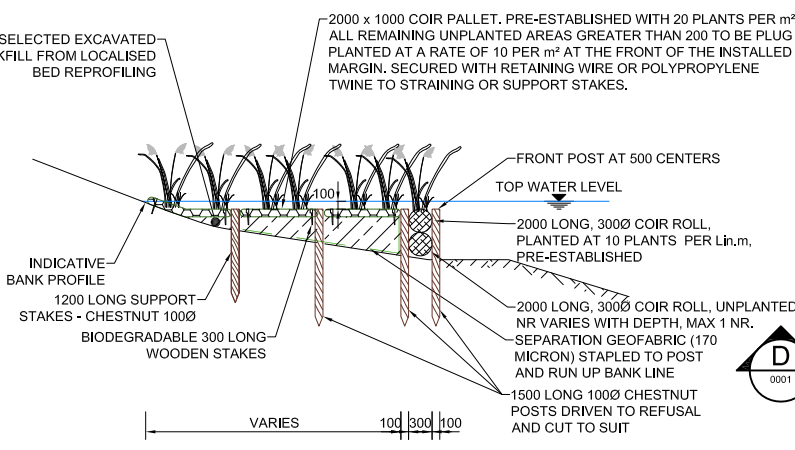
3 TYPE 1 AND 2 EDGE DETAIL PLAN
SCALE 1: 1:50



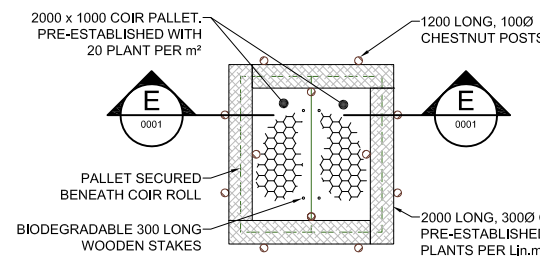
2 TYPE 2 EDGE DETAIL SECTION B-B
SCALE 1: 1:50



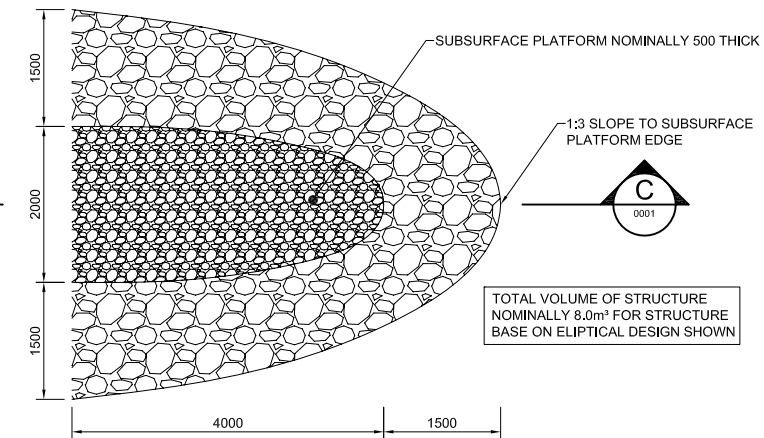
4 TYPE 1 AND 2 EDGE DETAIL FRONT ELEVATION
SCALE 1: 1:50



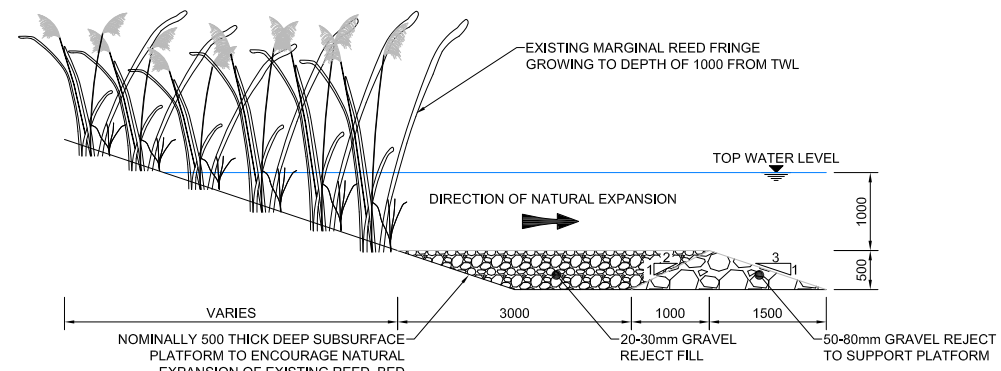
7 TYPE 4 EDGE DETAIL SECTION D-D
SCALE 1: 1:50



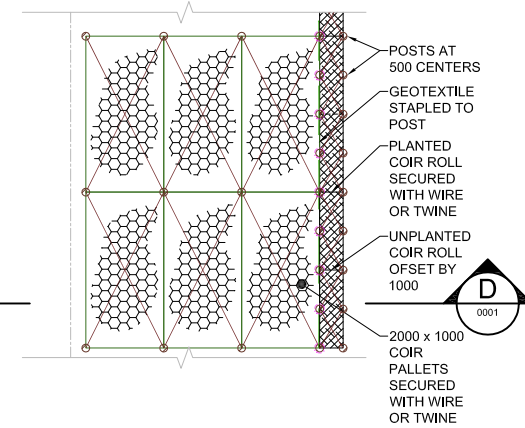
9 TYPE 5 EDGE DETAIL PLAN
SCALE 1: 1:50



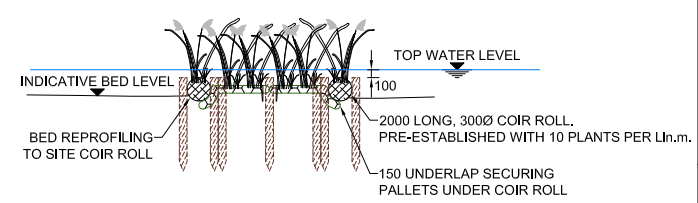
5 TYPE 3 EDGE DETAIL PLAN
SCALE 1: 1:50



6 TYPE 3 EDGE DETAIL SECTION C-C
SCALE 1: 1:50



8 TYPE 4 EDGE DETAIL PLAN
SCALE 1: 1:50



10 TYPE 5 EDGE DETAIL SECTION E-E
SCALE 1: 1:50

Rev.	Date	Description	By	Chk'd	App'd
P1	01/07/2014	FOR PLANNING	GJB	IM	LB

Drawing Status: **FOR PLANNING** Substability: **S2**

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Project Title: HAMPSTEAD HEATH PONDS PROJECT

Drawing Title: AQUATIC ECOLOGY TYPICAL EDGE DETAILS

Scale	Designed	Drawn	Checked	Authorised
1:50	IM	GJB	IM	LB
Original Size	Date	Date	Date	Date
A1	01/07/2014	01/07/2014	01/07/2014	01/07/2014
Drawing Number	Revision	Revision	Revision	Revision
5117039-ATK-ZZ-ZZ-DR-L-0001	P1			

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