

TREE & SHRUB PLANTING
 All trees to be bare root, good quality transplants from a reputable local supplier (i.e. UK genetic stock sourced and grown locally), notch planted into bare soil at 2.1m centres. Planting to be random, avoiding single-species block planting. All to be transplants, 1+1, 60-80cm. Woodlands generally to be planted between mid November and end of March.

SPECIES - TREES & SHRUBS
 Major recommended canopy trees:
 Pedunculate oak *Quercus robur*
 Sessile oak *Quercus petraea*
 Field maple *Acer campestre*
 Minor recommended canopy trees:
 Downy birch *Betula pubescens*
 Silver birch *Betula pendula*
 Holly *Ilex aquifolium*
 Crab apple *Malus sylvestris*
 Rowan *Sorbus aucuparia*
 Aspen *Populus tremula*
 Grey willow *Salix cinerea*
 Wild cherry *Prunus avium*
 Major recommended understorey shrubs:
 Hazel *Corylus avellana*
 Hawthorn *Crataegus monogyna*
 Minor recommended understorey shrubs:
 Guelder rose *Viburnum opulus*
 Wild privet *Ligustrum vulgare*
 Dogwood *Cornus sanguinea*
 Buckhorn *Rhamnus cathartica*
 Spindle *Euonymus europaeus*

SPECIES - MARGINAL & AQUATIC
 Plants suitable for planting in and around ponds
 Habitat* Generic Name English Name
 M *Alisma plantago-aquatica* Water-plantain
 M *Angelica sylvestris* Wild Angelica
 M *Bidens cernua* Nodding Bur-margold
 M *Botanophila* Flowering rush
 M *Callitriche* Marsh Marigold
 M *Carex acutiformis* Lesser Pond-sedge
 M *Filipendula ulmaria* Meadowsweet
 M *Geum rivale* Water avens
 M *Glyceria hultensis* Floating Sweet-grass
 M *Glyceria maxima* Reed Sweet-grass
 M *Galium palustre* Common Marsh-bedstraw
 M *Iris pseudacorus* Yellow Iris
 M *Lycoris flou-cucull* Ragged Robin
 M *Lythrum salicaria* Purple loosestrife
 M *Mentha aquatica* Water Mint
 M *Myrica* Myrica
 M *Myosotis laxa* Tufted Water-forget-me-not
 M *Myosotis scorpioides* Water Forget-me-not
 M *Nymphaea alba* White Water-lily
 M *Potamogeton natans* Broad-leaved Pondweed
 M *Phragmites australis* Common reed
 M *Potentilla palustris* Marsh Cinquefoil
 M *Pulicaria dysinterica* Fleabane

M *Ranunculus flammula* Lesser Spearwort
 M *Rorippa nasturtium-aquaticum* Water-cress
 M *Sagittaria sagittifolia* Arrowhead
 M *Scheuchzeria palustris* Common club-rush
 M *Solanum dulcamara* Bittersweet
 M *Sparganium erectum* Branched Bur-reed
 M *Stellaria ulgosa* Bog Stitchwort
 M *Typha latifolia* Bulrush
 M *Veronica beccabunga* Brooklime

*Key to habitat column
 M Plants of the marginal zone of ponds ditches etc.
 Aq. Aquatic plants
 M/Aq. Can grow in marginal or aquatic zone.

PLANTING & MAINTENANCE
 All plant material to comply with BS 3036 and be planted in accordance with BS 4426.
 All plants are to be protected against damage by vermin, livestock, herbicide spray etc. with spiral guards and fenced with rabbit-proof fencing to BS 1722.
 All plants to have a 1.0m diameter circle maintained weed-free for a period of at least 3 years after planting using glyphosate in accordance with manufacturer's instructions.
 Any plants which fail in the first 3 years after planting will be replaced with those of similar size and species unless otherwise agreed with LPA.

SEEDING
 After grading and firming, supply and spread grass & wild flower seed in two operations in transverse directions. Grass seed to be landfill reclamation mixture such as A15 from British Seed Houses or similar, sown at a rate of 250kg/ha over all areas not planted with trees and shrubs. A wild flora mix may be added to the grass seed mixture prior to sowing and advice from British Seed Houses regarding details will be taken.

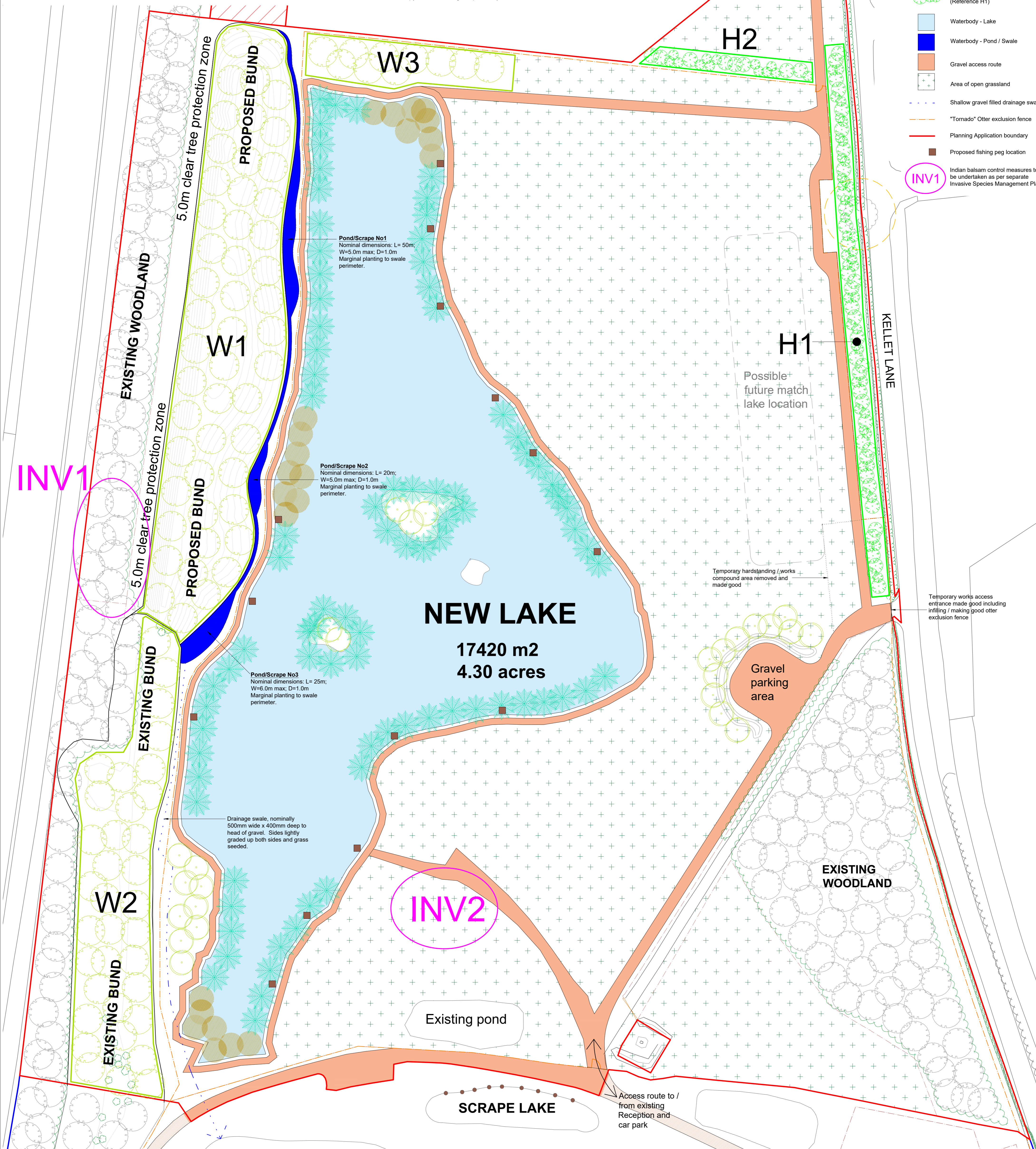
RESTORATION
 The bund is to be finished with a layer of rot less than 100mm (after firming) of topsoil previously stripped from the site. Topsoil to be spread evenly and firmed and seeded. Areas of tree and shrub planting to have increased depth of 350mm of topsoil (after firming). After spreading, large stones and any other unwanted material over 150mm size should be removed. On steeper areas of slope the soil is to be spread and firmed in narrow strips across the banks before proceeding with the next strip.

HEDGE PLANTING
 Hedge plants are to be planted in a cultivated strip, 600mm wide x 300mm deep incorporating a 50mm layer of bulky organic matter. Each plant is to be provided with a spiral guard 600mm high, 63mm diameter supported with internal bamboo cane. Plant material to be the sizes and dimensions as stated in the schedule and shall be healthy with good fibrous root systems. Hedge plants to conform to BS 3036 and the HTA's National Plant Specification. Supply, delivery and storage of plants shall comply to the Plant Handling Code published by CPSE.

HEDGE PLANTING SPECIES
 Native Hedgerow Planting
 Source: Local provenance
 Planted in double staggered rows 30cm apart. Plants in each row to be 45cm apart giving 5no. plants per linear metre.
 M *Corylus avellana* 120-150cm B1+2
 M *Crataegus monogyna* 120-150cm B1+1
 M *Ligustrum vulgare* 120-150cm B1+2
 M *Viburnum opulus* 120-150cm B1+1

KEY

- Locations for light Tree and Shrub planting forming small groupings of plants
- Locations for dense Tree and Shrub planting forming woodland compartments (Reference W1)
- Locations for marginal / aquatic planting zones
- Locations for common reed planting zones
- Locations of hedgerow planting (Reference H1)
- Waterbody - Lake
- Waterbody - Pond / Swale
- Gravel access route
- Area of open grassland
- Shallow gravel filled drainage swale
- "Tomado" Otter exclusion fence
- Planning Application boundary
- Proposed fishing peg location
- Indian balsam control measures to be undertaken as per separate Invasive Species Management Plan



Rev	Date	Description
A	18.09.23	Peg locations added.

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Client: Alex Mollart

Project: Clearwater Fisheries, Kellet Lane, Carnforth, Northern Field

Drawing: **Proposed Landscaping Plan**

Scale: NTS	Date: Sept 2023
Sheet: A1	Drawn: PT

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