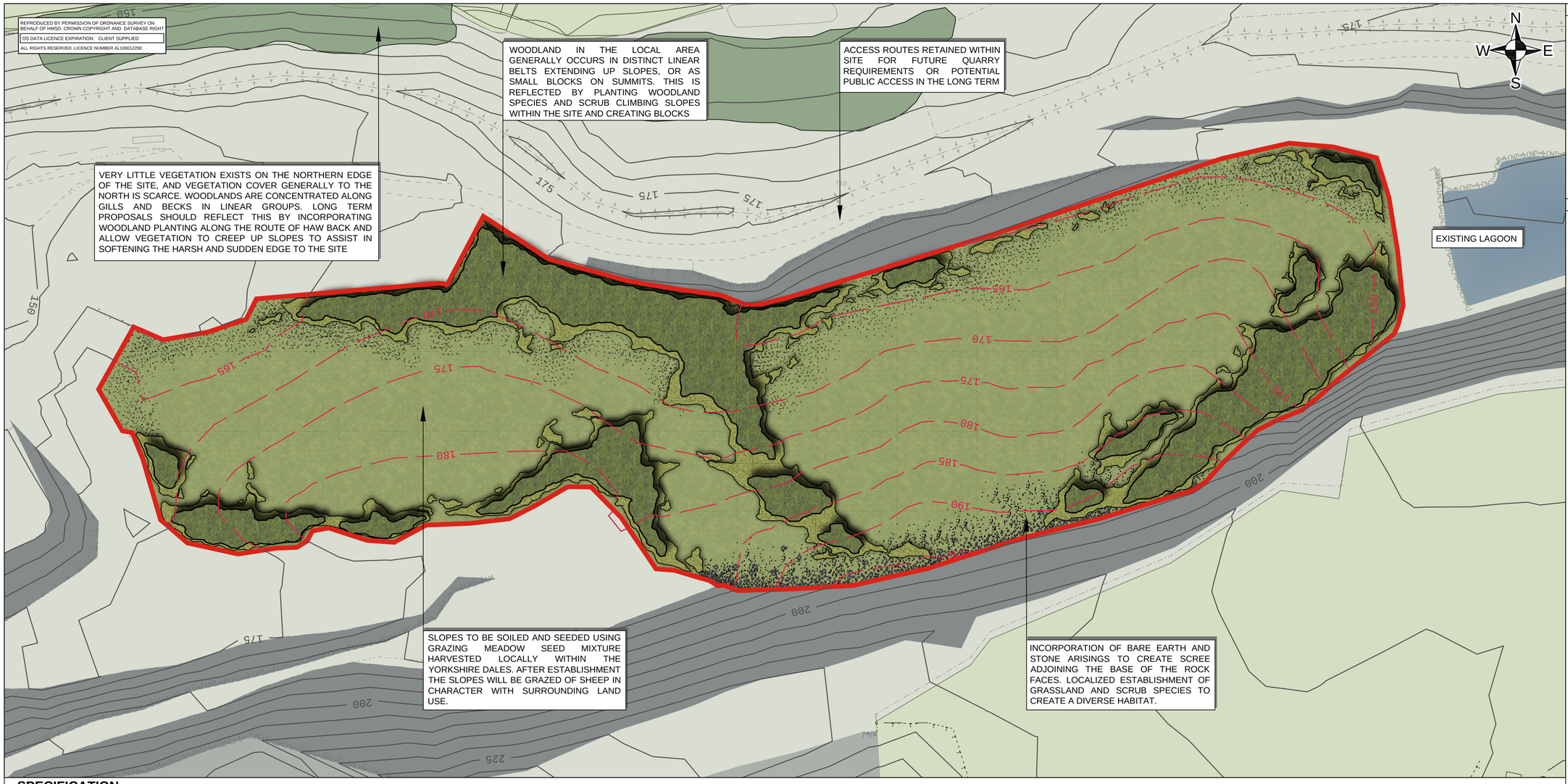


NOTES

RESTORATION CONCEPT:

The proposed tree and shrub species list has been devised in to reflect the natural distribution of native trees and shrubs and the upland grassland found in the fringes of the Yorkshire Dales. Woodland in the local area generally occurs in distinct linear belts extending up slopes. This is reflected in the proposals for the restoration scheme.

The species planting mix shall use species locally native and characteristic of the landscape in the vicinity. The character of planting reflects species groups identified in the Craven District Biodiversity Action Plan (BAP) and groups W10 and W10e of the National Vegetation Classification (NVC).

LEGEND

- APPLICATION BOUNDARY
- EXISTING CONTOURS
- PROPOSED RESTORATION CONTOURS
- EXISTING VEGETATION
- EXISTING GRASSLAND
- PROPOSED DECIDUOUS WOODLAND (NVC W10 & W10e)
- PROPOSED SCRUB HABITAT (NVC W10e)
- PROPOSED SPECIES RICH GRASSLAND
- PROPOSED DAMP GRASSLAND TO LOWER AREAS SLOPES
- PROPOSED SCREE SLOPES
- EXISTING QUARRY FLOOR
- EXISTING QUARRY FACE (NORTH FACING)
- EXISTING QUARRY FACE (SOUTH FACING)

SPECIFICATION

Cultivations/Site Preparation

Prior to planting and seeding, all areas shall be sprayed with herbicide. A layer of top soil should be placed on top of the restoration slopes to a minimum depth of 500mm and cultivated to a depth of 350mm for planting areas and 150mm for seeded areas.

Planting

Scrub Planting

Proposed scrub species (as specified in adjacent planting schedule) shall be notch planted at 3m centres on an irregular grid in groups of 3 or 5. Suitable slow release fertilser to be incorporated into the substrate. All plants shall be protected by 0.6m Tubex tree/shrub shelters secured by tanalised timber stakes.

Woodland Planting

Proposed Trees and Shrubs (as specified in adjacent planting schedule) shall be notch planted into a substrate at nominal 2m centres on an irregular grid to achieve a more natural appearance. Trees/shrubs of the same species shall be planted in groups of 3-5. Shrub planting shall be concentrated along the outer edges of the planted areas. Suitable slow release fertiliser shall be incorporated into the substrate around the base of each plant. All plants shall be protected by 0.6m Tubex tree/shrub shelters secured by tanalised timber stakes.

Seeding

Seeding is best carried out in either autumn or spring. Restored surface is to be rolled and cultivated to a fine tilth prior to spreading of the seed/ grass mix. Seed bed shall be lightly compressed after spreading. The following mix shall be used and spread to manufacturers rates and specification, sown in two parts in overlapping sections (Approx. Area: 5.4ha):

- Seed mix to be of local provenance (grazing meadow mix) and to be spread at manufacturers recommended rates.

Once spread, roll seed into upper surface. In drought conditions the sward shall be watered as necessary to ensure its establishment. The ecological characterization of grasslands shall be monitored and augmented, as necessary, by inoculation of the soil with seed such as green hay, harvested from a donor site nearby.

Aftercare

The proposed landscaping shall be subject to an aftercare period for a minimum of 5 years post restoration. Key aftercare priorities are as follows;

Scrub Planting

Plants shall be monitored and replaced as a result of damage, disease or death. When growth has reached a height of approx. 1.5m and bushy shelters may be removed to allow plants to spread and merge naturally. Plant heights to be maintained in groups to give variation in heights and spreads.

Woodland

Plants shall be monitored and replaced as a result of damage, disease or death. When growth has reached a point where girth of plant exceeds 6-8cm diameter, tubes shall be removed (likely to vary as each plant will have different rates of growth). During year 5 some thinning of the canopy and understorey may be required to achieve varied species diversity and ease competition for light and nutrients. All tree/shrub shelters and stakes would be inspected and righted/replaced as necessary. A competitor free zone shall be maintained within a 0.3m radius around each plant using suitable herbicide and/or mechanical strimmer.

Seeded Areas

Grass to be cut once in the first year, in mid-summer, and arisings left in situ to encourage flittering - remove arisings after one week. In the following years grass cutting shall be based around a main summer hay cut in combination with autumn and possibly spring mowing or grazing. Meadow grassland is not cut or grazed from spring through to late July/August to give the sown species an opportunity to flower. After flowering in July or August take a 'hay cut': cut back with a petrol strimmer or tractor mower to 50mm. Leave the 'hay' to dry and shed seed for 1-7 days then remove from site. Mow or graze the re-growth through to late autumn/winter to 50mm. Traditional northern dales meadows are close grazed by sheep throughout spring up until the first week in May (a lawn mower may be used as a substitute). The meadows are then closed to grazing to allow growth. Leave some areas uncut around the lower slopes for insects (allow 3-4m strips). Grassed areas to be monitored annually and spot herbicide treatment to be used to control emergent weeds. Where failures are present reinstatement is to be undertaken using the original specification methods. Where bare ground is present from prolonged periods of water logging a suitable alternative species will be sought to ensure consistent ground cover.

PLANT SCHEDULE	Age/condition, No. of times transplanted	Root condition	Size (cm)	Form/Habit	Centres	% Mix
Woodland Planting						
Birch (Betula pendula)	1 + 0	Bare Root	40-60	Seedling	2m	10
Bramble (Rubus tricolor)	-	Bare Root	30-40	Seedling	2m	10
Blackthorn (Prunus spinosa)	1 + 0	Bare Root	40-60	Branched	2m	10
Hawthorn (Crataegus monogyna)	1 + 0	Bare Root	40-60	Seedling	2m	10
Hazel (Corylus avellana)	1 + 1	Bare Root	40-60	Branched	2m	7.5
Holly (Ilex aquifolium)	-	Bare Root	30-40	Bushy	2m	7.5
Rose (Rosa canina)	1 + 1	Bare Root	30-40	Branched	2m	7.5
Rowan (Sorbus aucuparia)	1 + 1	Bare Root	40-60	Transplant	2m	7.5
Sessile oak (Quercus petraea)	1 u 1	Bare Root	40-60	Transplant	2m	15
Sycamore (Acer pseudoplatinus)	1 + 1	Bare Root	40-60	Transplant	2m	15
Scrub Planting						
Blackthorn (Prunus spinosa)	1 + 0	Bare Root	30-40	Branched	3m	groups of 3 or 5
Bramble (Rubus tricolor)	-	Bare Root	30-40	Seedling	3m	groups of 3 or 5
Hawthorn (Crataegus monogyna)	1 + 0	Bare Root	20-25	Seedling	3m	groups of 3 or 5
Rose (Rosa canina)	1 + 1	Bare Root	30-40	Branched	3m	groups of 3 or 5
Gorse (Ulex europaeus)	-	Container	20-30	Bushy	3m	groups of 3 or 5

Tarmac

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SKIPTON ROCK QUARRY
PROPOSED STABILISATION WORKS

PLANNING STATEMENT

RESTORATION PROPOSALS

SRFS 4/1

Scale 1:1,250 @ A2

Date JUNE 2010