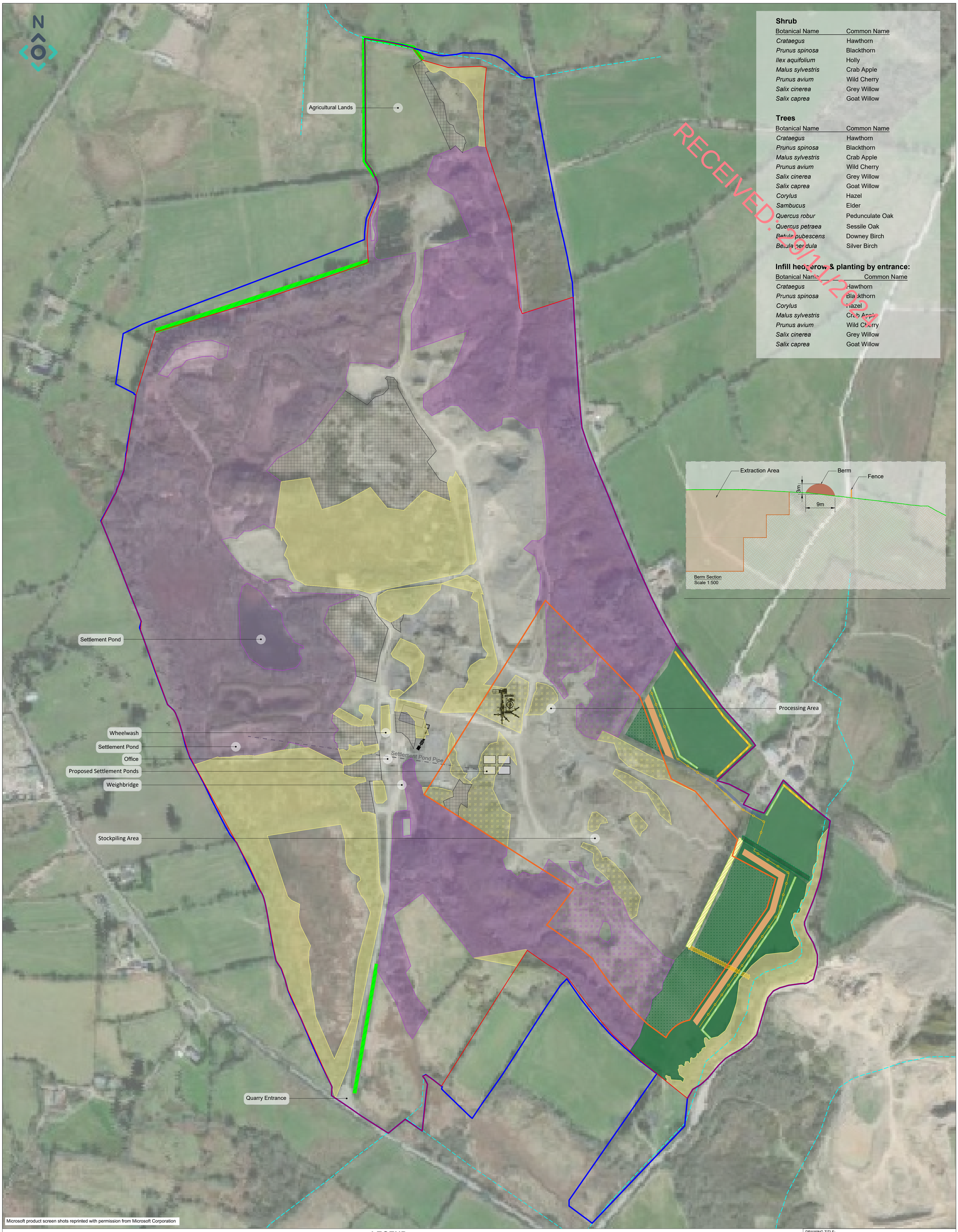
RECEIVED: 29/11/2024

APPENDIX 12-1

LANDSCAPE RESTORATION PLAN



RECEIVED: 28/11/2024

Shrub

Botanical Name	Common Name
Crataegus	Hawthorn
Prunus spinosa	Blackthorn
Ilex aquifolium	Holly
Malus sylvestris	Crab Apple
Prunus avium	Wild Cherry
Salix cinerea	Grey Willow
Salix caprea	Goat Willow

Trees

Botanical Name	Common Name
Crataegus	Hawthorn
Prunus spinosa	Blackthorn
Malus sylvestris	Crab Apple
Prunus avium	Wild Cherry
Salix cinerea	Grey Willow
Salix caprea	Goat Willow
Corylus	Hazel
Sambucus	Elder
Quercus robur	Pedunculate Oak
Quercus petraea	Sessile Oak
Betula pubescens	Downey Birch
Betula pendula	Silver Birch

Infill hedgerow & planting by entrance:

Botanical Name	Common Name
Crataegus	Hawthorn
Prunus spinosa	Blackthorn
Corylus	Hazel
Malus sylvestris	Crab Apple
Prunus avium	Wild Cherry
Salix cinerea	Grey Willow
Salix caprea	Goat Willow

LEGEND

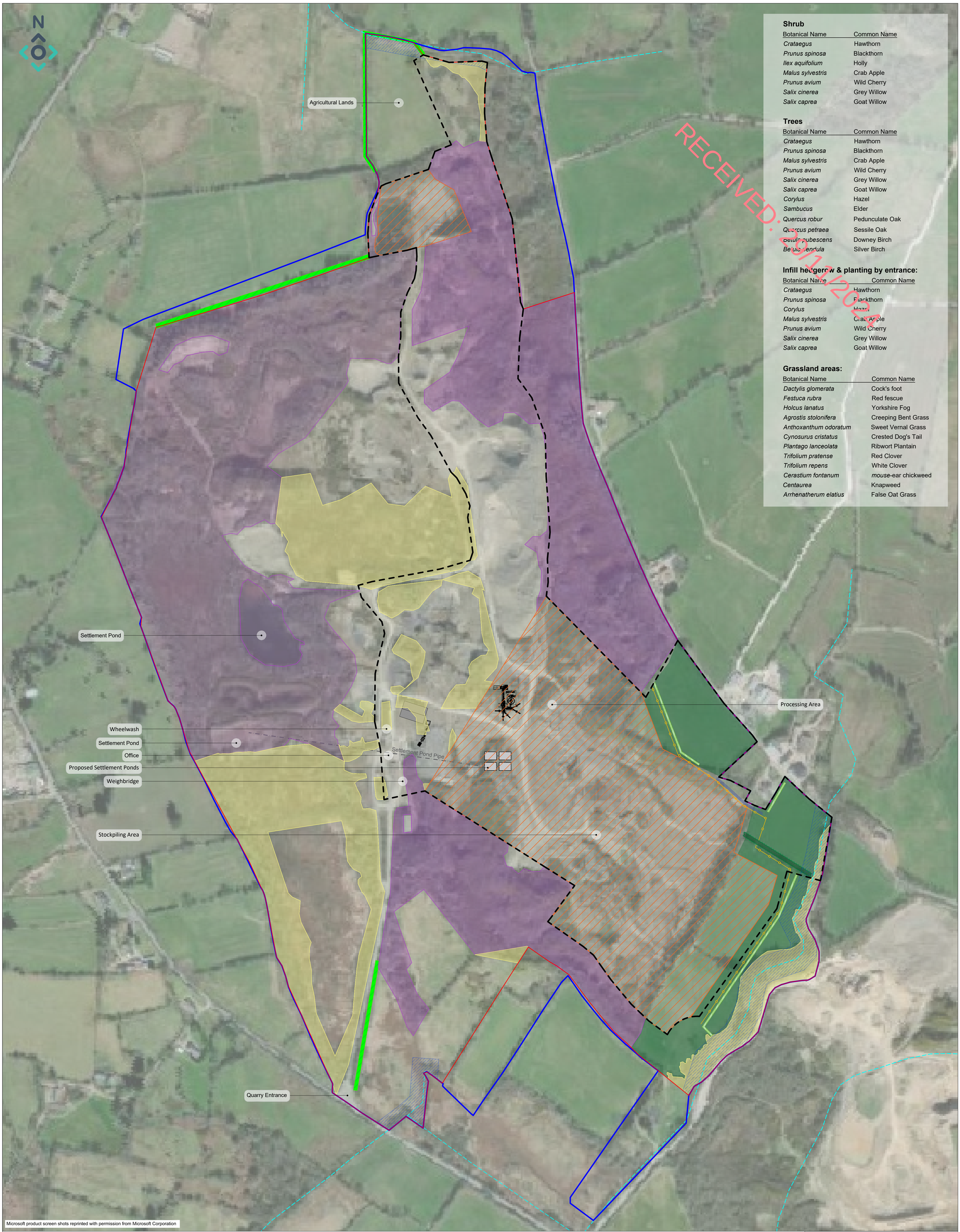
- Site Boundary
- Landowners Boundary
- Existing Mature Hedgerows to be retained
- Existing Mature Hedgerows to be removed
- **Proposed Native Infill Hedgerow Planting**
  Gaps in hedgerow alignment to be filled with native vegetation similar to existing species on site. Areas shown correspond to alignments where existing screening is scarce and requires additional planting. Some areas comprise of a dense yet low hedge alignment, therefore existing low hedges on site to be grown to a min. of 2m height.
- **Proposed Native Hedgerow**
  To screen the Proposed Development from view from adjacent visual receptors.
  Hedgerow to be planted in double or triple staggered rows as required, with forms, sizes, centres and percentages.
  Hedgerows are expected to grow to approximately 2.5m in 3-5 years. However, growth is dependent on plant quality, planting conditions, soil and weather, and therefore may be subject to change. The hedgerows within the site are to be maintained to a height of not less than 2 metres and up to 3 metres. Having continuous hedgerows assists the movement of bats and provides additional nesting and feeding opportunities for birds and other animals.
- Proposed Acoustic Barrier
- Fencing
- River
- Existing Scrub to be retained
- Existing Scrub to be removed
- Existing Immature Woodland to be retained
- Existing Immature Woodland to be removed
- Extraction Area
- Existing Grasslands Area to be retained
- Existing Grasslands Area to be removed
- Existing Treelines to be retained
- Existing Treelines to be removed
- Proposed Treelines
- Recolonising Bare Ground
- Bearm

DRAWING TITLE:
Landscape Mitigation Measures during Extraction

PROJECT TITLE:
Roundstone - Ballyquin Sand EIAR & PA

DRAWING BY:	GO	CHECKED BY:	SF
PROJECT No.:	220125	DRAWING No.:	211137 - 100
SCALE:	1:2,500 @ A1	DATE:	10.06.2024

MKO Planning and Environmental Consultants



RECEIVED: 26/11/2024

Shrub

Botanical Name	Common Name
Crataegus	Hawthorn
Prunus spinosa	Blackthorn
Ilex aquifolium	Holly
Malus sylvestris	Crab Apple
Prunus avium	Wild Cherry
Salix cinerea	Grey Willow
Salix caprea	Goat Willow

Trees

Botanical Name	Common Name
Crataegus	Hawthorn
Prunus spinosa	Blackthorn
Malus sylvestris	Crab Apple
Prunus avium	Wild Cherry
Salix cinerea	Grey Willow
Salix caprea	Goat Willow
Corylus	Hazel
Sambucus	Elder
Quercus robur	Pedunculate Oak
Quercus petraea	Sessile Oak
Betula pubescens	Downey Birch
Betula pendula	Silver Birch

Infill hedgerow & planting by entrance:

Botanical Name	Common Name
Crataegus	Hawthorn
Prunus spinosa	Blackthorn
Corylus	Hazel
Malus sylvestris	Crab Apple
Prunus avium	Wild Cherry
Salix cinerea	Grey Willow
Salix caprea	Goat Willow

Grassland areas:

Botanical Name	Common Name
Dactylis glomerata	Cock's foot
Festuca rubra	Red fescue
Holcus lanatus	Yorkshire Fog
Agrostis stolonifera	Creeping Bent Grass
Anthoxanthum odoratum	Sweet Vernal Grass
Cynosurus cristatus	Crested Dog's Tail
Plantago lanceolata	Ribwort Plantain
Trifolium pratense	Red Clover
Trifolium repens	White Clover
Cerastium fontanum	*mouse*-ear chickweed
Centaurea	Knapweed
Arrhenatherum elatius	False Oat Grass

LEGEND

- Site Boundary
- Landowners Boundary
- Existing Scrub to be retained
- Existing Immature Woodland to be retained
- **Existing Mature Hedgerows** To be retained and protected
- Fencing
- River
- River Buffer 20m
- Infill Areas
- Restoration Area
- Existing Grasslands Area to be retained
- Existing Treelines to be retained
- Proposed Treelines
- Proposed Acoustic Barrier

Proposed Native Hedgerow

To screen the Proposed Development from view from adjacent visual receptors.

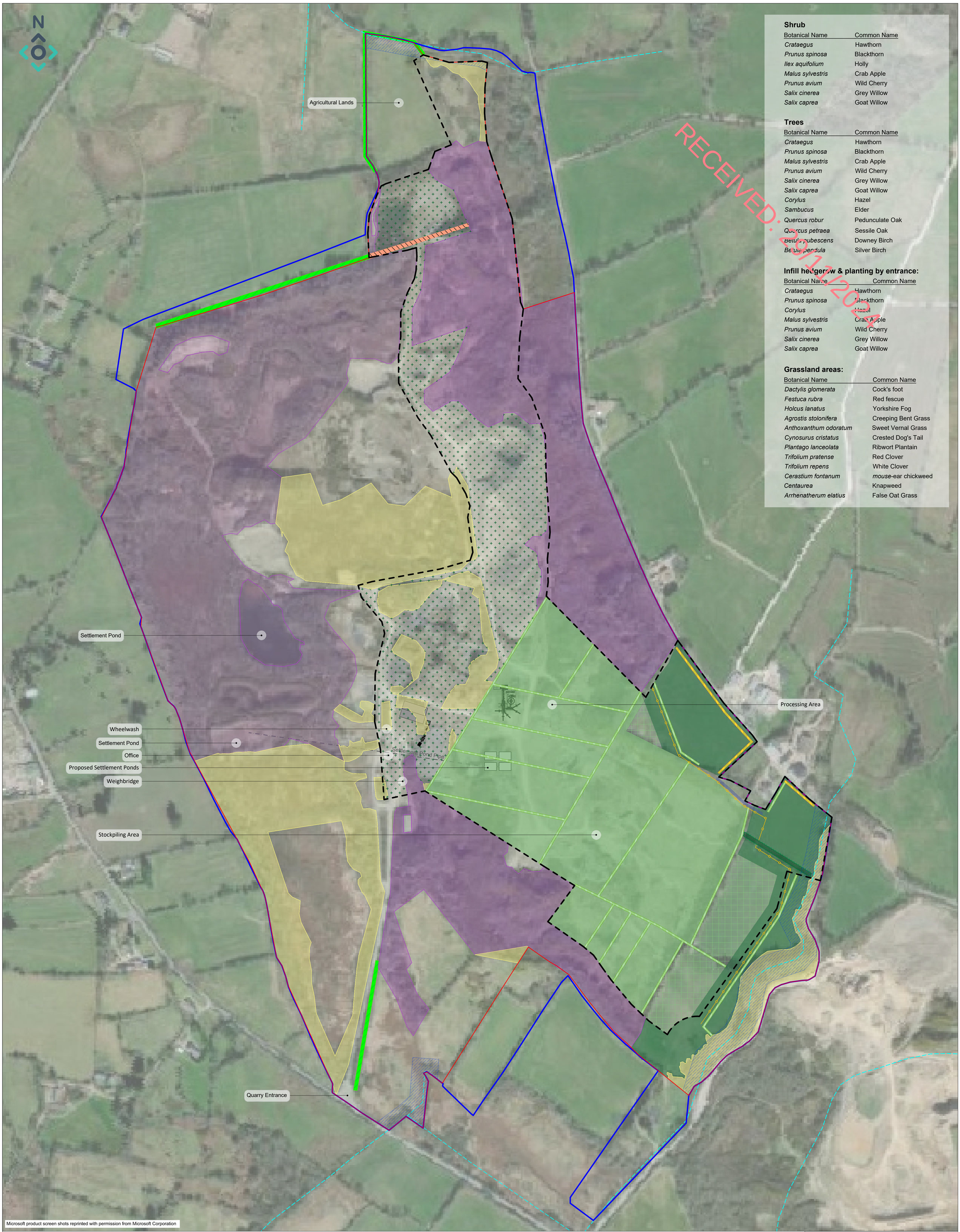
Hedgerow to be planted in double or triple staggered rows as required, with forms, sizes, centres and percentages. Hedgerows are expected to grow to approximately 2.5m in 3-5 years. However, growth is dependent on plant quality, planting conditions, soil and weather, and therefore may be subject to change. The hedgerows within the site are to be maintained to a height of not less than 2 metres and up to 3 metres. Having continuous hedgerows assists the movement of bats and provides additional nesting and feeding opportunities for birds and other animals.

DRAWING TITLE:
Landform Restoration During Infilling

PROJECT TITLE:
Roundstone - Ballyquin Sand EIAR & PA

DRAWING BY:	GO	CHECKED BY:	SF
PROJECT No.:	220125	DRAWING No.:	211137 - 101
SCALE:	1:2,500 @ A1	DATE:	10.06.2024

MKO Planning and Environmental Consultants



RECEIVED: 26/11/2024

Shrub

Botanical Name	Common Name
Crataegus	Hawthorn
Prunus spinosa	Blackthorn
Ilex aquifolium	Holly
Malus sylvestris	Crab Apple
Prunus avium	Wild Cherry
Salix cinerea	Grey Willow
Salix caprea	Goat Willow

Trees

Botanical Name	Common Name
Crataegus	Hawthorn
Prunus spinosa	Blackthorn
Malus sylvestris	Crab Apple
Prunus avium	Wild Cherry
Salix cinerea	Grey Willow
Salix caprea	Goat Willow
Corylus	Hazel
Sambucus	Elder
Quercus robur	Pedunculate Oak
Quercus petraea	Sessile Oak
Betula pubescens	Downey Birch
Betula pendula	Silver Birch

Infill hedgerow & planting by entrance:

Botanical Name	Common Name
Crataegus	Hawthorn
Prunus spinosa	Blackthorn
Corylus	Hazel
Malus sylvestris	Crab Apple
Prunus avium	Wild Cherry
Salix cinerea	Grey Willow
Salix caprea	Goat Willow

Grassland areas:

Botanical Name	Common Name
Dactylis glomerata	Cock's foot
Festuca rubra	Red fescue
Holcus lanatus	Yorkshire Fog
Agrostis stolonifera	Creeping Bent Grass
Anthoxanthum odoratum	Sweet Vernal Grass
Cynosurus cristatus	Crested Dog's Tail
Plantago lanceolata	Ribwort Plantain
Trifolium pratense	Red Clover
Trifolium repens	White Clover
Cerastium fontanum	*mouse*-ear chickweed
Centaurea	Knapweed
Arrhenatherum elatius	False Oat Grass

LEGEND

- Site Boundary
- Landowners Boundary
- **Existing Mature Hedgerows** To be retained and protected
- Existing Grasslands Area to be retained
- Grassland to be restored
- Proposed Grassland
- Fencing
- River
- Restoration Area
- Existing Treelines to be retained
- Proposed Treelines
- River Buffer 20m
- **Proposed Native Infill Hedgerow Planting** Gaps in hedgerow alignment to be filled with native vegetation similar to existing species on site. Areas shown correspond to alignments where existing screening is scarce and requires additional planting. Some areas comprise of a dense yet low hedge alignment, therefore existing low hedges on site to be grown to a min. of 2m height.
- Vegetation Naturally
- **Proposed Native Hedgerow** To screen the Proposed Development from view from adjacent visual receptors. Hedgerow to be planted in double or triple staggered rows as required, with forms, sizes, centres and percentages. Hedgerows are expected to grow to approximately 2.5m in 3-5 years. However, growth is dependent on plant quality, planting conditions, soil and weather, and therefore may be subject to change. The hedgerows within the site are to be maintained to a height of not less than 2 metres and up to 3 metres. Having continuous hedgerows assists the movement of bats and provides additional nesting and feeding opportunities for birds and other animals.
- Existing Scrub to be retained
- Existing Immature Woodland to be retained
- Proposed Acoustic Barrier

DRAWING TITLE:
Landcover Restoration and Proposed Planting After Infilling

PROJECT TITLE:
Roundstone - Ballyquin Sand EIAR & PA

DRAWING BY:	GO	CHECKED BY:	SF
PROJECT No.:	220125	DRAWING No.:	211137 - 102
SCALE:	1:2,500 @ A1	DATE:	10.06.2024

MKO Planning and Environmental Consultants