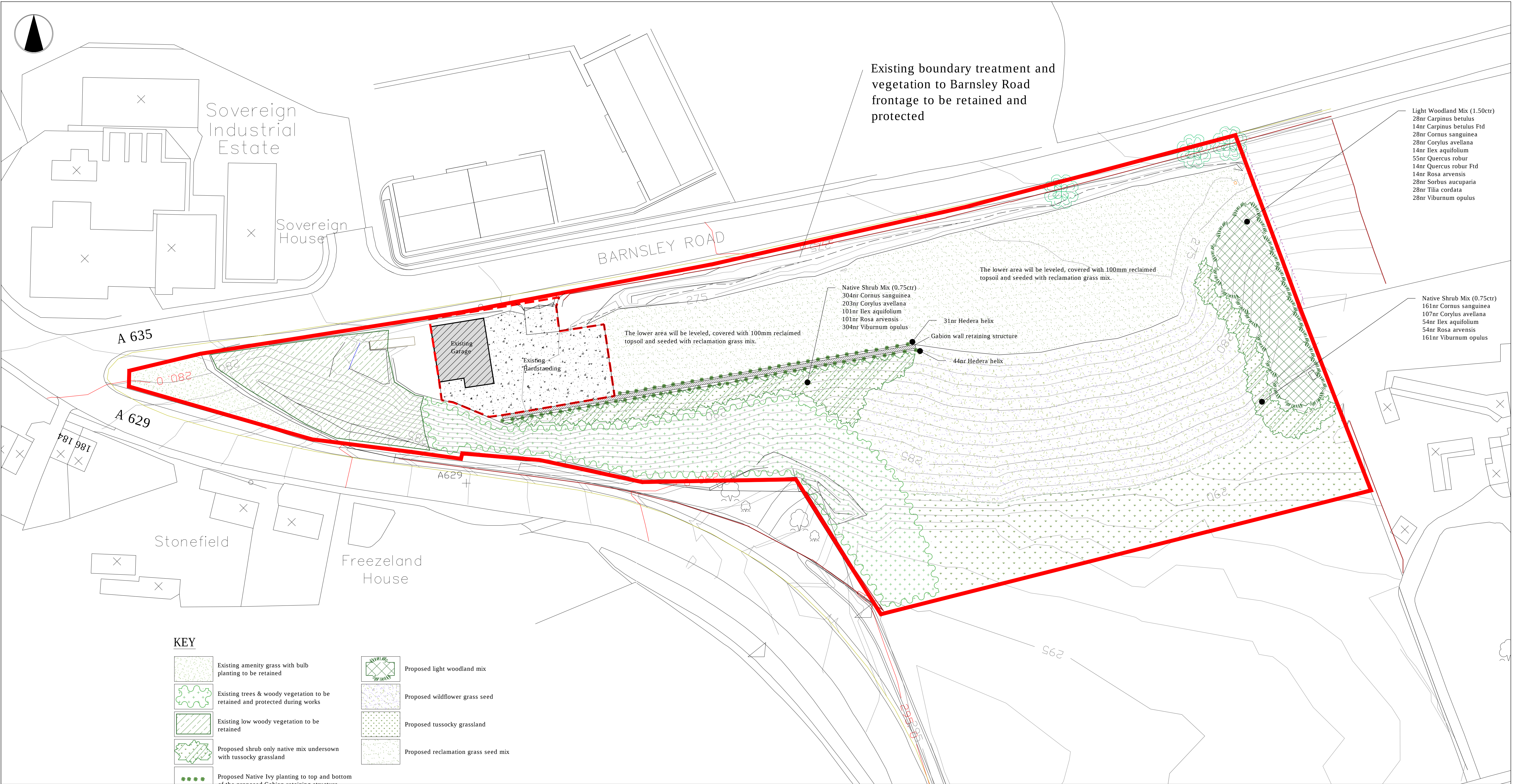




PROTECTION OF EXISTING VEGETATION

Existing vegetation to be retained on site shall be protected where necessary during works by a tree protective barrier, secured to a scaffold tubing framework with fluorescent tape to the top rail. Protective fencing shall be erected on the canopy drip line wherever possible. Laminated, waterproof A4 signs shall be fixed to the fence posts at 10m intervals bearing the words 'PROTECTED TREE ZONE - NO STORAGE OR OPERATIONS WITHIN FENCED AREA'.

Tracking of machinery, storage of chemicals and building materials shall not be permitted within the protected area. Leaks or spills should be removed immediately and the contaminated soil replaced. No bonfires shall be lit within 5m of the canopy spread. Any excavation work beneath the canopy spread shall be carried out by hand.

All works affecting trees within the development shall be subject to BS 5837:2012.

GRASS SEEDING

TUSSOCKY GRASS MIX

Existing weeds are to be removed using cultivation or a herbicide. The subsoil is then to be cultivated using a disc harrow or rotovator, to 30mm depth then further cultivated and rolled to produce a firm seed bed.

An 80% grasses:20% wildflower seed mix to be sown. Eg: Emorsgate Seeds EM10 Tussock Mixture, to be sown at 4g/m².

WILDFLOWER MIX

Existing weeds are to be removed using cultivation or a herbicide. The subsoil is then to be cultivated using a disc harrow or rotovator, to 30mm depth then further cultivated and rolled to produce a firm seed bed.

An 80% grasses:20% wildflower seed mix to be sown. Eg: Emorsgate Seeds EM2 Standard General Purpose Meadow Mixture, to be sown at 4g/m².

RECLAMATION MIX

Ground to be de-compacted following the removal of the existing hardstanding. 100mm depth topsoil to be spread to the area. The soil is then to be cultivated using a disc harrow or rotovator, to 30mm depth then further cultivated and rolled to produce a firm seed bed.

An 100% grasses seed mix is to be sown. Eg: Germinal Seeds A15 (Reclamation Landfill) to be sown at 25g/m².

NATIVE SPECIES SCHEDULES

LIGHT WOODLAND MIX						
Nr	Name	Height/cm	Root	Pot/L	Form	
28	Carpinus betulus	60-80cm	BR		Transplant	
14	Carpinus betulus Ftd	125-150cm			Feathered	
28	Cornus sanguinea	60-80cm	BR		Transplant	
28	Corylus avellana	50-60cm	BR		Transplant	
14	Ilex aquifolium	60-80cm	C	3L		
55	Quercus robur	60-80cm	BR		Transplant	
14	Quercus robur Ftd	80-100cm			Feathered	
14	Rosa arvensis	50-60cm	BR		Transplant	
28	Sorbus aucuparia	60-80cm	BR		Transplant	
28	Tilia cordata	60-80cm	BR		Transplant	
28	Viburnum opulus	60-80cm	BR		Transplant	

Feathered Trees to be planted at 3m centres in groups of 3-6, into pits 750 x 750 x 750mm, backfilled with 1 part compost : 3 parts topsoil with 100gms slow release fertilised added per pit. Trees to be staked with 75mm diameter round stake secured by 1 no tree tie with rubber spacer. Finished height of stake shall not exceed 1/3 height of staked tree above ground. Photodegradable or biodegradable mulch mats to be used. Plants to be fitted with rabbit guards.

Transplants shall be pit planted into pits 300 x 300 x300mm, backfilled with 1 part compost: 3 parts topsoil with 100gms slow release fertilised added per pit.

Plants shall be planted in groups of 5-11 of a single species. Photodegradable or biodegradable mulch mats to be used. Plants to be fitted with rabbit guards.

Existing boundary treatment and vegetation to Barnsley Road frontage to be retained and protected

The lower area will be leveled, covered with 100mm reclaimed topsoil and seeded with reclamation grass mix.

Native Shrub Mix (0.75ctr)
304nr Cornus sanguinea
203nr Corylus avellana
101nr Ilex aquifolium
101nr Rosa arvensis
304nr Viburnum opulus

31nr Hedera helix
Gabion wall retaining structure
44nr Hedera helix

Light Woodland Mix (1.50ctr)
28nr Carpinus betulus
14nr Carpinus betulus Ftd
28nr Cornus sanguinea
28nr Corylus avellana
14nr Ilex aquifolium
55nr Quercus robur
14nr Quercus robur Ftd
14nr Rosa arvensis
28nr Sorbus aucuparia
28nr Tilia cordata
28nr Viburnum opulus

Native Shrub Mix (0.75ctr)
161nr Cornus sanguinea
107nr Corylus avellana
54nr Ilex aquifolium
54nr Rosa arvensis
161nr Viburnum opulus

KEY

	Existing amenity grass with bulb planting to be retained		Proposed light woodland mix
	Existing trees & woody vegetation to be retained and protected during works		Proposed wildflower grass seed
	Existing low woody vegetation to be retained		Proposed tussocky grassland
	Proposed shrub only native mix undersown with tussocky grassland		Proposed reclamation grass seed mix
	Proposed Native Ivy planting to top and bottom of proposed Gabion retaining structure		

REV.D: Existing garage area and hardstanding added (EW) Apr 21
REV.C: Notes amended (EW) Feb 20
REV.B: Minor layout amend (EW) Jan 20
REV.A: Reclamation grass seed specification added (EW) Sep 19

Westleigh Hall
Wakefield Road
Denby Dale
Huddersfield HD8 8QJ
telephone 01484 861611
fax 01484 861616
isdn 01484 866900
email info@fdalandscape.co.uk
www.fdalandscape.co.uk

client
PWM Quarries Ltd.

project
Restoration Scheme
CARR HILL QUARRY,
SHEPLEY,
HUDDERSFIELD

drawing title
LANDSCAPE DETAILS

scale 1:500 @A1	date Aug 19	drwn by EW	drawing no R/2261/1D
-----------------------	----------------	---------------	-------------------------