

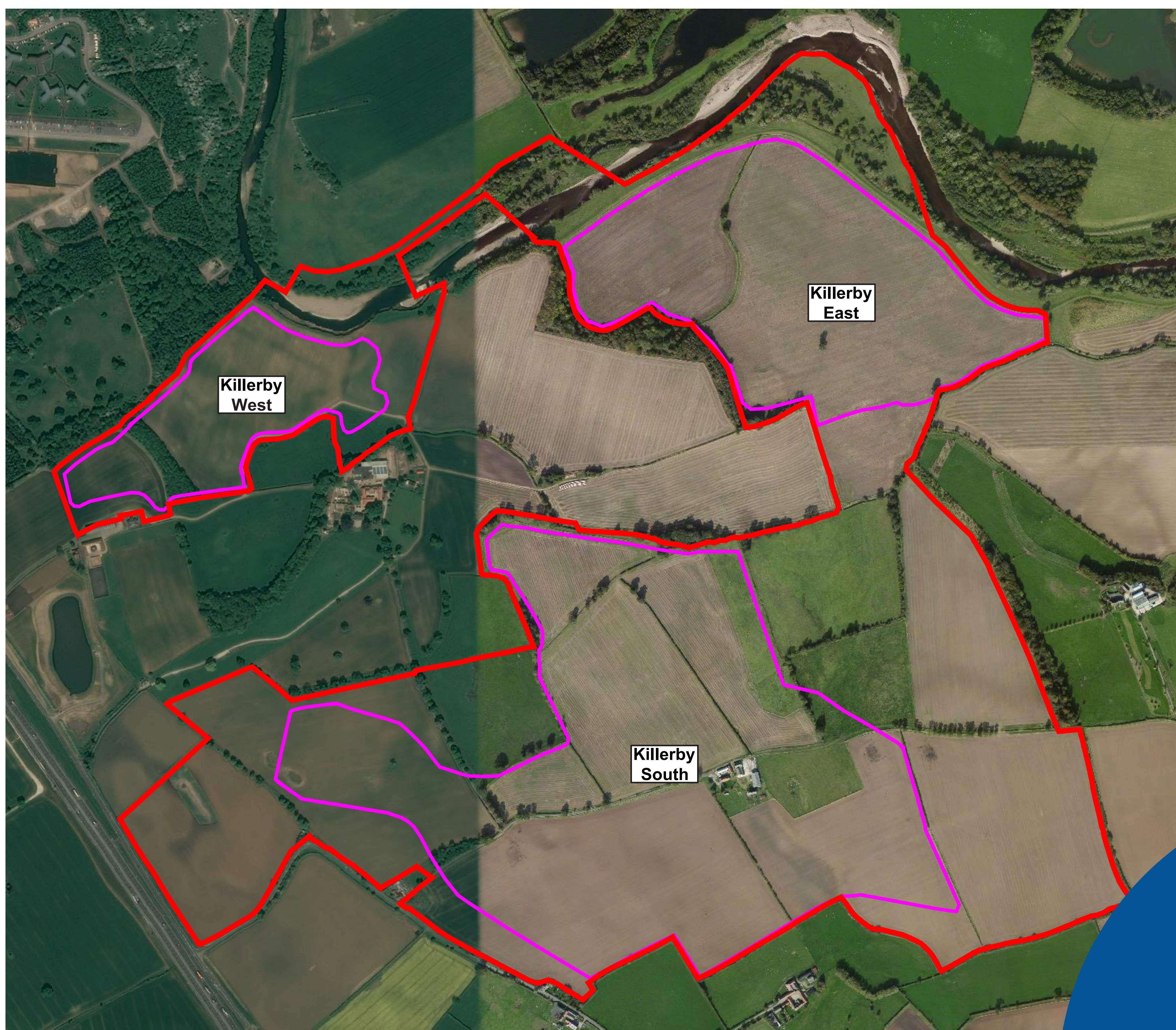
Killerby Sand and Gravel Quarry

Introduction

The extraction and processing of sand and gravel at Killerby Quarry was approved by North Yorkshire County Council on 4th April 2018, for 20 years, at the end of operations the site will be fully restored.

The total area of the site is approximately 213ha however the extraction area is only 114ha.

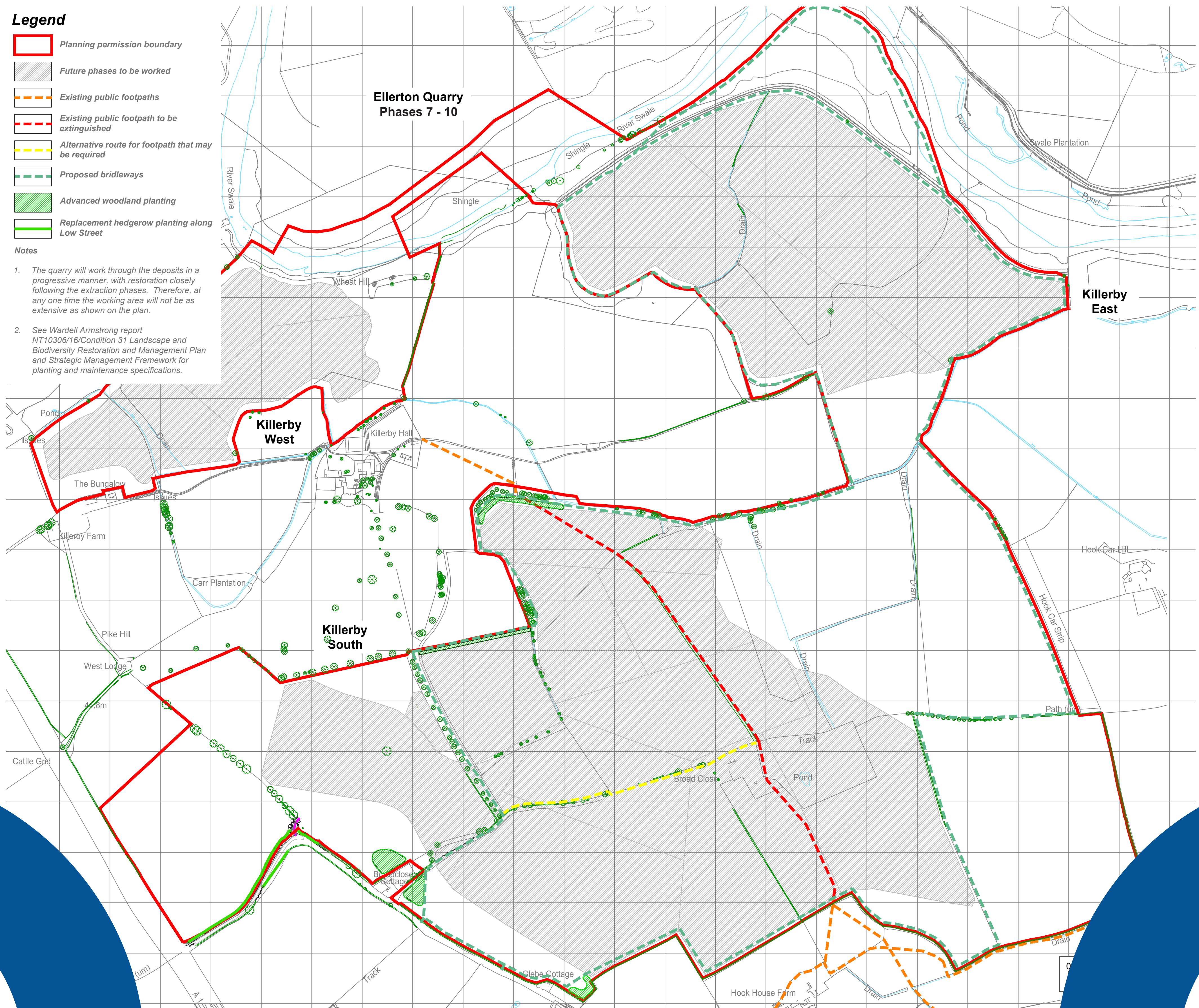
The site is situated on the south western flank of the gently sloping valley formed by the River Swale. The site is located approximately 1.5km south east of the town of Catterick, approximately 1.5 km north west of the village of Kirkby Fleetham and to the east of the A1 (M) road. The site lies approximately 0.5km due south of both Ellerton and Kiplin Hall sand and gravel quarries, which are located on the north bank of the River Swale.



Killerby Sand and Gravel Quarry

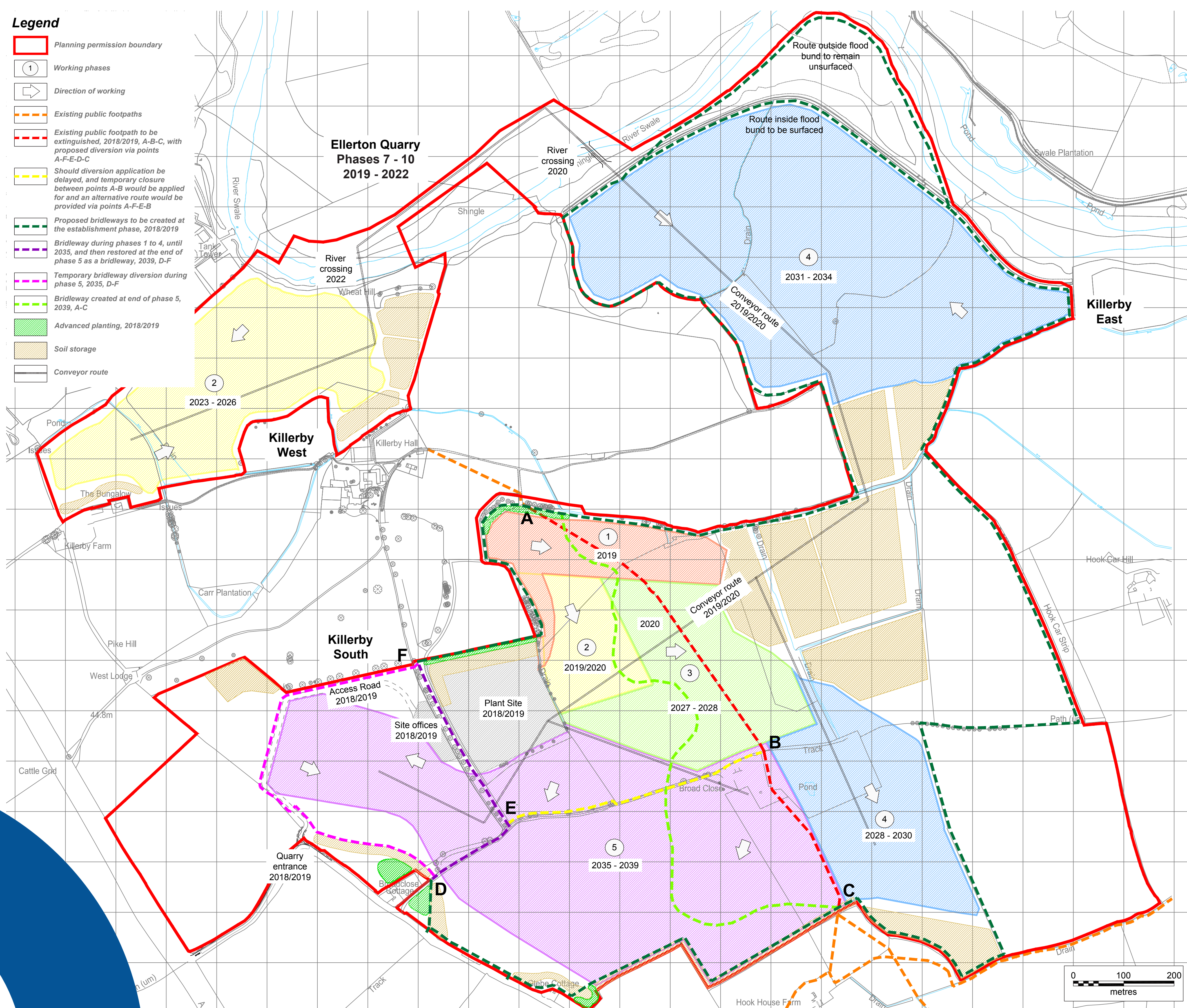
Advanced Works

A public footpath currently runs through the Killerby South area of the site to Killerby Hall, this footpath will be closed and a diversion put in place prior to extraction starting in Phase 1. At the earliest opportunity, the new network of bridleways will be constructed and fenced. The advance woodland planting will also be implemented in the first available planting season.



The site will be extracted in 5 Phases with each Phase being restored once it is complete. It is estimated that Phase 1 and Phase 2A in Killerby South will be completed by 2020. Extraction will be ongoing at Ellerton until 2022, during which time sand and gravel from Ellerton will be transported to the Killerby plant site for processing via a new bridge and a conveyor.

Once Ellerton is complete extraction will commence in Phase 2 Killerby West and will be completed by 2026. This area will then be fully restored and the bridges and conveyor removed, unless it is feasible to retain the east bridge. Extraction will then move back to Killerby South to extract Phase 3 up until approximately 2028, and then moving to Phase 4 in Killerby East until 2034, by the end of which Killerby East will be fully restored.



The site will be accessed via Low Street. The North Yorkshire County Council Highways Department require the stretch of Low Street from the local access road to the site entrance to be widened to 7.3m to allow for 2-way traffic of Heavy Goods Vehicles. The cost of which will be borne by Tarmac.

LOW STREET, SOUTH STREET, LINDSAY, SPURRING

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION	
IN ADDITION TO THE HAZARD/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING RISKS AND INFORMATION.	
RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGN ASSESSMENT FORM.	
CONSTRUCTION	
DEMOLITION	
FOR INFORMATION RELATING TO USE, CLEANING AND MAINTENANCE SEE THE HEALTH AND SAFETY FILE	
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.	

Proposed gate located 25m from junction. Connecting fence to tie into existing and proposed vegetation.

Mature trees on field boundary to be retained.

Surface Water Drainage to connect to a soakaway on site.

2m access road with an apron to Low Street

Stop valve cover to be replaced with heavy duty cover and frame and lifted to suit new carriageway level.

Existing hedge to be removed where necessary to allow for proposed access junction. Hedge to be reinstated outside of visibility splay and to tie in with existing. Planting specification shown on Wardell Armstrong Advanced Work Planting Plan.

Hedge to tie into existing.

Tie in.

Sign to be removed and disposed of off site.

Existing vegetation to be removed within highway boundary and around gully to allow for unobstructed flow/drainage of surface water.

Overgrown tree vegetation to be cut back around sign to an extent where regular maintenance will not be required.

Overgrown vegetation to be cut back on approach to bend and around bend to ensure forward visibility is achieved.

Existing vegetation to be removed within highway boundary. Replacement planting to be located outside of visibility splay and to tie in with existing. Planting specification shown on Wardell Armstrong Advanced Work Planting Plan.

2m verge

7.3m carriageway

Existing edge of carriageway

2m hedge

Gullies to be relocated to new edge of carriageway, existing connections to be retained.

Existing hedges to be removed where necessary to allow for road widening and verge works. Hedge to be reinstated in front of proposed fence line and tie in with existing. Refer to detail on F&M/HSCT drawing 103821/1009.

Hedge to tie into existing.

Tie in.

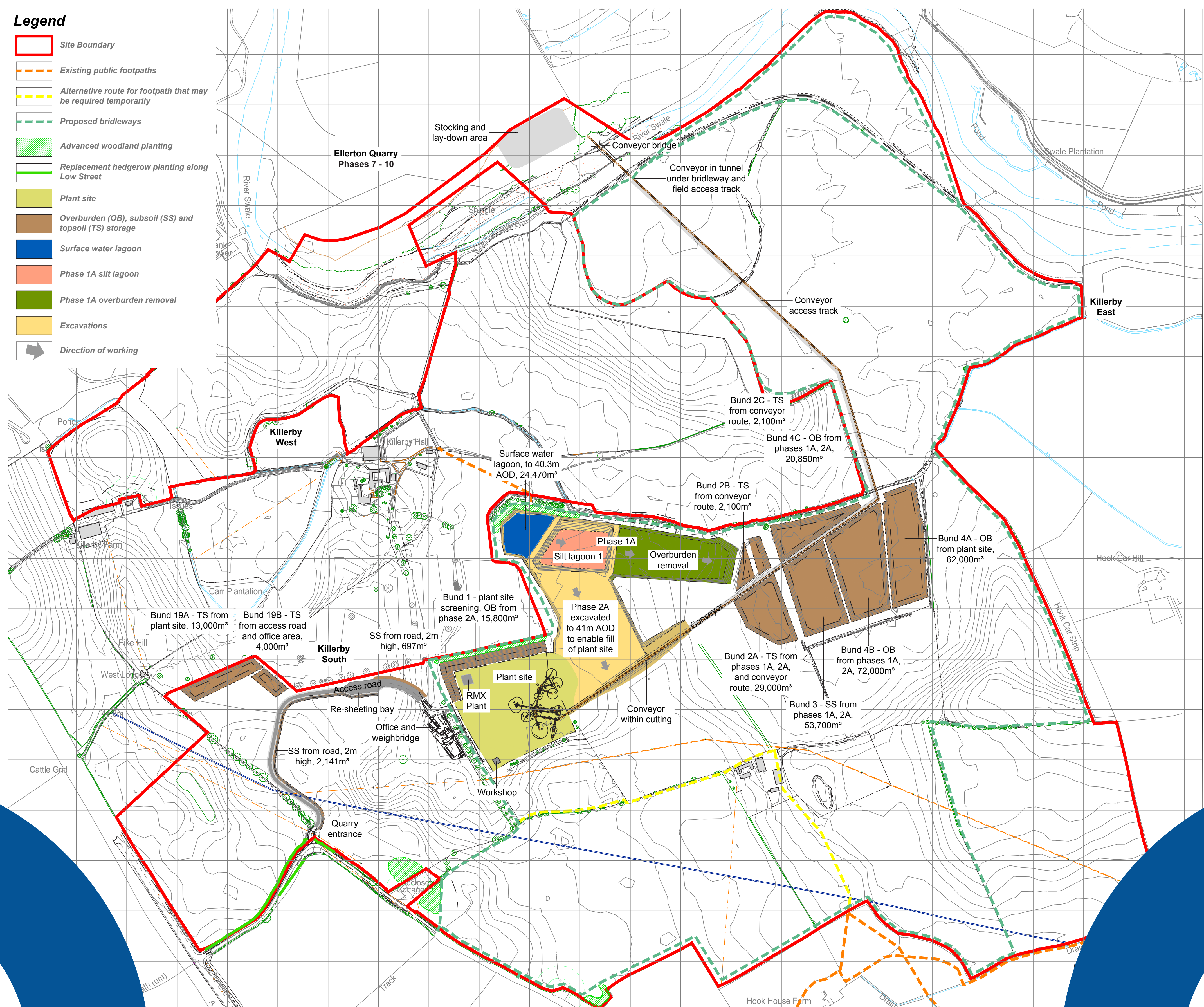
LOW STREET

Killerby Sand and Gravel Quarry

Phases 1 and 2A

Detailed design of Phase 1 has been carried out. This includes:

- Construction of the site entrance and access road off Low Street
- Construction of the site offices, a welfare building, weighbridge and car parking areas
- Establishment of the plant site
- Construction of the conveyor to Ellerton and the eastern bridge over the River Swale
- Extraction of Phase 1 and Phase 2A in Killerby South and the subsequent creation of lagoons in this area



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Restoration

Tarmac is committed to protecting and enhancing the value of its quarries for wildlife, not only while they are active, but also during restoration. The restoration scheme also aims to restore and enhance the landscape and visual amenity value of the site, to enhance the amenity and recreational value of the site through the creation of a new bridleway network, facilitate fishing in the Killerby South lake and to restore the agricultural use of the site.

The restoration land use types will include wetland in the form of lakes (32.6 ha), fen (5 ha), and alder/birch/willow carr woodland (18.2 ha), broadleaved woodland (3.9 ha), species rich grassland (16.5 ha), agricultural land (125.4 ha), hedgerows (4 km), conservation headlands (8 km) and bridleways and tracks (10 km).

