

NRS have worked with their specialist consultant team to address comments raised in respect of the use of temporary soil bunds during the operational period of the proposed quarry, within designated Green Belt land.


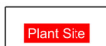







The bunds being originally required for a combination of noise attenuation, visual screening and soil storage.

The mineral processing plant will still be located at a floor level of 63.5m above Ordnance Datum. The top of the plant will be at existing ground level to the south and west, ~ 2m below in-situ ground levels to its north, and ~ 8m below in-situ ground levels to the east.

Principally, as a result of NRS's proposals to utilise a different type of mineral processing plant, which will be approximately half the height of that originally proposed and with reduced noise generation and associated operations, the following changes in the requirements for bunding are initially assessed as:

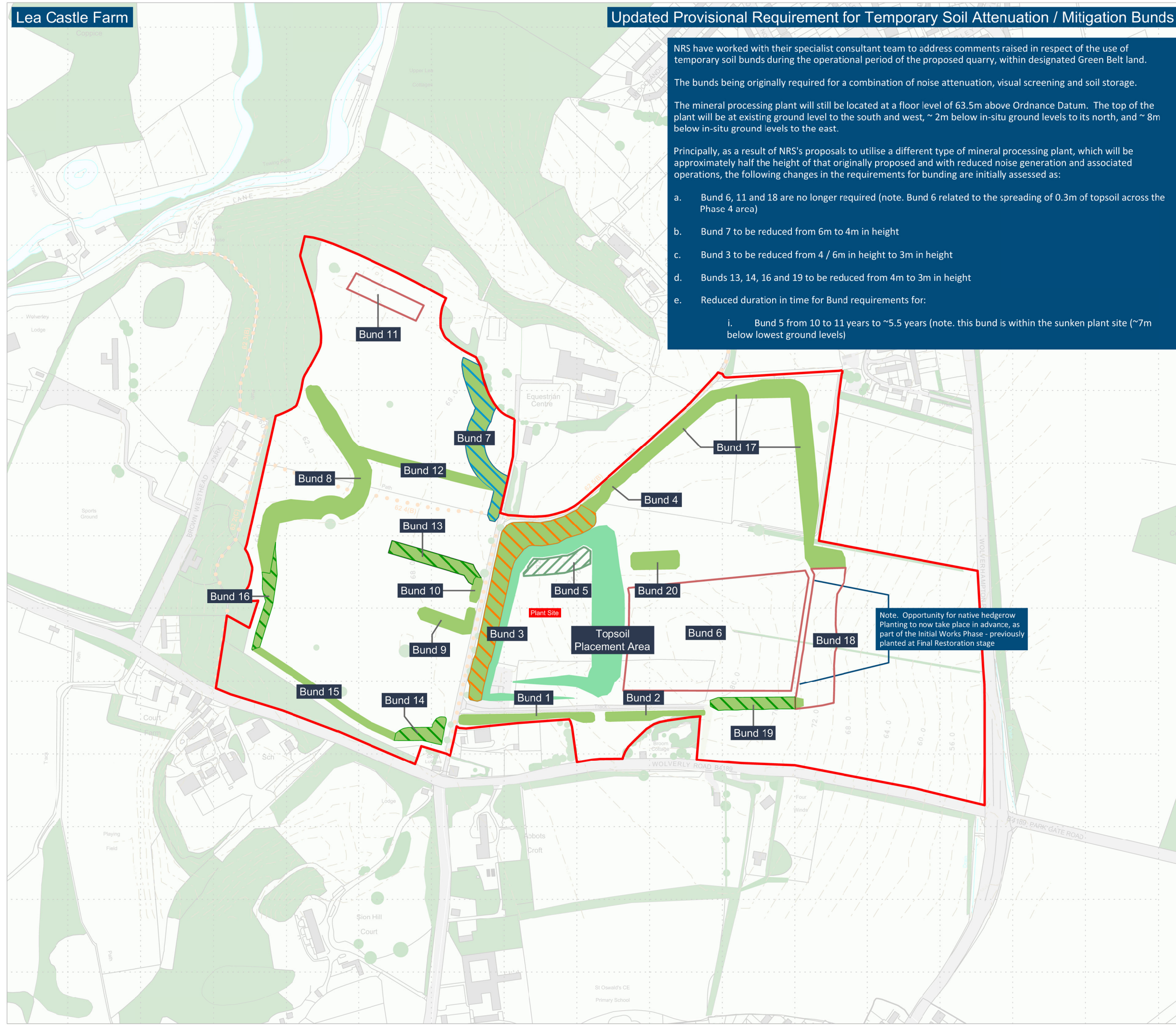
- Bund 6, 11 and 18 are no longer required (note. Bund 6 related to the spreading of 0.3m of topsoil across the Phase 4 area)
- Bund 7 to be reduced from 6m to 4m in height
- Bund 3 to be reduced from 4 / 6m in height to 3m in height
- Bunds 13, 14, 16 and 19 to be reduced from 4m to 3m in height
- Reduced duration in time for Bund requirements for:
  - Bund 5 from 10 to 11 years to ~5.5 years (note. this bund is within the sunken plant site (~7m below lowest ground levels))

LEGEND

-  Application Boundary
-  New Mineral Processing Plant (6m lower in height and 6 decibels lower than the original proposed plant) - sunken below original ground levels.
-  No requirement for soil bunds for noise attenuation
-  Bund 7 reduced from 6m to 4m in height
-  Bund 3 reduced from 4/6m to 3m in height
-  Bunds 13, 14, 16 & 19 reduced from 4m to 3m in height
-  Reduced duration in time for bunds  
Bund 5 from ~10 to 11 years to ~5.5 year
-  Temporary Bunds 1, 2, 4, 9, 10, 12, 15, 17, and 20 to remain at originally proposed heights of 3m and Bund 8 to remain at originally proposed height of 5m
-  Topsoil Placement Area to inner Plant Site  
Batter Slopes - to be grass seeded

Please note that the soil bunds illustrated opposite will NOT all be required at any one point in time.

Please see Drawing No. 01-LEACF-INQ\_004 to 011 for Phased Working and Restoration plans, illustrating phased soil stripping, mitigation use within bunds and placement for restoration.



Note. Opportunity for native hedgerow Planting to now take place in advance, as part of the Initial Works Phase - previously planted at Final Restoration stage

**LIAM TOLAND PLANNING**

PROJECT:  
Lea Castle Farm

TITLE:  
Updated Provisional Requirement for Temporary Soil Attenuation / Mitigation Bunds

REF NO:  
01-LEACF-INQ\_001

DATE: July 2024      SCALE: 1:5,000 @ A3

STATUS:  
FINAL

