



Section 8.0 – Agricultural Management Plan

Guidance Notes:

This section contains details of how the works will be carried out in such a way to protect good quality agricultural land from damage and to contain and limit adverse effects on agricultural resources as far as reasonably practicable.



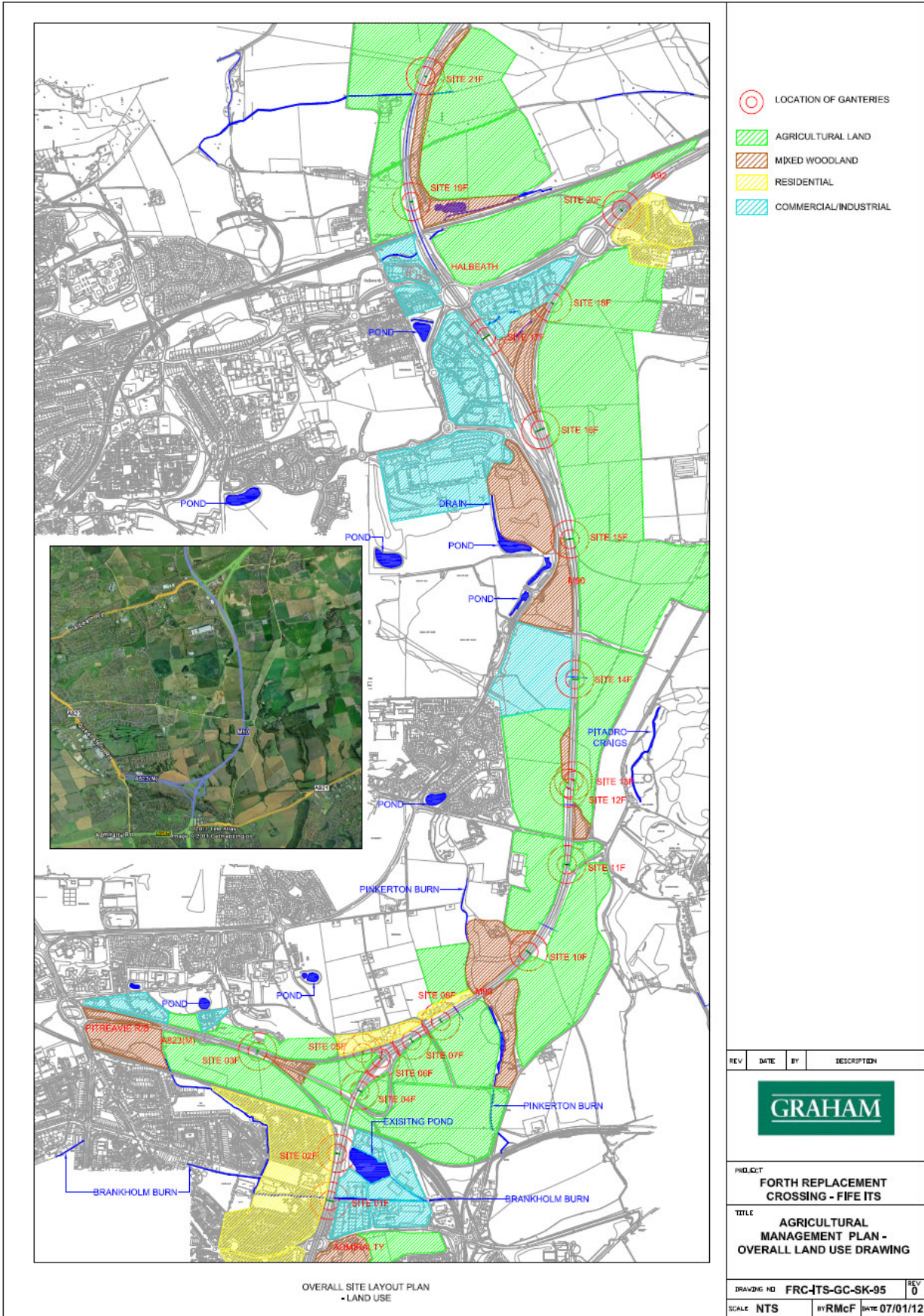
**FORTH REPLACEMENT CROSSING
– FIFE ITS**
FRC/ITS/GC/AMP/01
Agriculture Management Plan



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8.1 Maps showing the farms adjacent to the construction site: Overall Layout Plan



8.2 Maps showing watercourses and where known, field drainage layouts and outfalls into water courses or ditches

A map for this is shown in section 6.2 of the Environmental Management Plan.

8.3 Details of the landowner, occupiers and agents for farms adjacent to the construction site.

Graham will endeavour to provide the details of landowners, occupiers and farm agents who by the process of works may experience inconvenience during the duration of the project.

8.4 Details of the husbandry associated with the areas of farms adjacent to the construction sites.

Location/Site	Husbandry details northbound	Husbandry details southbound
Site 01F	Developed Land	Developed Land
Site 02F	Developed Land + (Trees, shrubs)	Developed Land + Hedgerows
Site 03F	Tillage	Tillage
Site 04F	Grassland	Grassland
Site05F	Tillage	Grassland
Site 06F	Grassland	Trees + Hedgerows
Site 07F	Grassland	Tillage
Site 08F	Developed Land + Hedgerows	Tillage
Site 10F	Grassland +Hedgerows	Tillage+ Hedgerows +Trees
Site 11F	Tillage+ Hedgerows	Tillage+ Hedgerows
Site 12F	Tillage	Grassland + Hedgerows
Site 13F	Tillage	Grassland+ Hedgerows
Site14F	Tillage	Grassland
Site15F	Grassland	Tillage
Site16F	Developed Land	Tillage
Site17F	Developed Land	Brownfield site
Site18F	Developed land	Tillage
Site19F	Grassland +hedgerows	Tillage+hedgerows
Site20F	Grassland	Developed land
Site21F	Tillage	Tillage
Pitreavie R/B	Hedgerows+trees + grassland	Brownfield +hedgerows + trees
Resurfacing works	Mixture of grassland+tillage+hedgerows	Mixture of grassland+tillage+hedgerows

8.5 Procedures to be adopted for the appropriate protection of agricultural land adjacent to the construction site, including information regarding appropriate stock proof fencing to be provided and maintained.

During the continuation of the works a number of different categories of fencing and barriers will be issued for use. This includes palisade and Heras barriers, acoustic barriers and stock proof fencing incorporating timber rails and posts. The appropriate form of barrier will be chosen with respect to the location and general requirements of the area.



Fig 1: Heras Fencing.



Fig 2: Palisade Fencing.



Fig 3: Acoustic Barriers.



Fig 4: Stock proof fencing.

8.6 Procedures to be adopted to undertake survey works to record the condition of existing agricultural land which may be used temporarily during construction including agricultural land quality and land drainage as appropriate.

In order to ascertain the relevant condition of the agricultural land which may be needed for temporary use, a detailed photographic survey was carried out. This survey provides a means of determining the relevant condition of the adjoining land.

8.7 Procedures to be adopted for the reinstatement of any agricultural land which is used temporarily during construction.

Three areas of land located at G08, G05 and G19 have been acquired temporarily as part of the Fife ITS contract. In order to ensure that appropriate re-instatement of these land parcels takes place Precondition Surveys were undertaken at each location.

Continual monitoring of each of the above noted land parcels is also being carried out by the ECoW in order to assess the condition of the following:

- Topsoil and subsoil.
- Drainage.
- Roads, accesses and paths.
- Forestry.
- Agricultural land adjacent to the construction site

The condition of the land parcels is also addressed as part of the Environmental Auditing programme for the Fife ITS contract.

The land acquired at G08 has now been re-instated and returned to the land owner. The land agent for this contract has subsequently confirmed that the land has been returned to the pre-agreed condition.

8.8 A programme indicating when temporary occupation of agricultural land will be taken and when any agricultural land used temporarily is intended to be returned to agricultural use.

Location	Date Acquired	Date Returned
G05	3.11.11	22.2.12
G08	5.4.12	TBC
G19	21.9.11	TBC

8.9 Procedures to be adopted in relation to the provision of accommodation works including a programme for the provision of accommodation works.

The works includes the provision of 1200m of fencing at 36 varying location as part of the associated accommodation works. These works will be phased in accordance with the stipulations set out by the traffic management plan. Throughout every site location a coherent consultation process will occur with each landowner to ascertain if works would be undertaken that it would benefit the landowner and accommodate the effect of the scheme on their property.

8.10 Details of accesses which may be affected by construction including the procedures to be implemented to maintain access.

Traffic management procedures have been detailed to ensure that access to the various site locations will not require any progression on agriculture land, access to the site compound and sites will be accommodated from the local road network.

8.11 Procedures to be followed in relation to the stripping, handling, storage and replacement of topsoil on areas of land to be returned to agriculture use following construction.

Soils are categorised into a number of different sections topsoil, subsoil and overburden. These alternating levels of soil have varying characteristics. It is important to emphasize that these soils with particular emphasis with topsoil, are stripped, stored and replaced with care in order to ensure the eventual satisfactory reinstatement of the site.

The design process will evaluate the volume of soils required to be stripped, handled, stored and ultimately required for restoration. Careful consideration will be given to the location of soil storage mounds; these mounds will be located where they will not require handling or disturbance until required for restoration or where they would be trafficked by plant or machinery. The excavation design process will be phased to demonstrate that, where possible, soil stripped from one area of the works would be used directly to restore another area, thereby minimising the need for soil handling and storage. The works design will also demonstrate that adequate provision has been made for soil storage.

Careful consideration will be given to the location of soil storage mounds at the design stage. Soil storage mounds will be located where they will not require handling or disturbance until required for restoration. A degree of reflection will be given to the location, height, slope and volume of each mound and if the soil mounds will become visually intrusive or form an alien feature within the landscape.

If possible it is preferable that any soil stripping is undertaken in dry weather. Topsoil and subsoil will be stripped and stored separately and in a manner that minimises vehicles trafficking across unstripped areas or storage mounds. Different soil types will be stored in separate, non-overlapping mounds and topsoil will be stripped from any areas used for subsoil storage. Soils will not be stored in any areas which are poorly drained or prone to water-logging. The minimum amount of compaction will be applied when forming soil storage mounds, they will not be driven across. Topsoil mounds will be no greater than 2m in height and subsoil mounds will be no higher than 3m. Soils will be replaced in the same layers and proportions as they were stripped. Soil replacement will occur during dry weather and using the minimum amount of compaction. Ripping may be required to minimise the formation of a pan between different layers of soil. Replaced soils should not be driven over by quarry traffic.

Soils should not be imported into the site for restoration purposes as this may promote the spread of invasive species, in particular Japanese Knotweed.

8.12 Consultation

If instructed, we will consult with the Scottish Government Rural Payments and Inspections Directorate (Formally SEERAD) regarding the preparation of the Agricultural Management Plan.

8.13 Liaison

We will advise landowners, occupiers and agents, as appropriate, regarding the intended commencement of construction works in areas of the site adjacent to agricultural holdings. We will also liaise with landowners, occupiers and agents, as appropriate, regarding the provision of accommodation works to agree the programme of works and access routes to be used. We will take reasonable precautions in developing the construction programme to reduce disturbance, without detriment to the overall construction programme.



8.14 Monitoring

GRAHAM will implement monitoring procedures in accordance with the requirements of Section 6 of the CoCP relating to storage of materials and Section 9 of the CoCP in relation to protection of the water environment.

An Environmental Clerk of Works is undertaking a monitor programme for topsoil stripping, handling and storage as appropriate.