

EVALUATION OF DRAINAGE TO MAPPLEWELL MEADOWS DEVELOPMENT

Drainage to site

FOUL

There is no existing public foul system on site and the intended usage would not warrant a foul drainage system.

Toilet and wash facility:

With the intended use a small toilet and wash facility would be required. It is felt that portable facility would be the most appropriate at this time for the following reasons:

1. Low environmental impact namely no permanent building structure or drainage system
2. Flexibility, as numbers are not known
3. Cost

SURFACE WATER

There is an existing surface water drainage system for the area consisting of mainly open ditch, these outfall to the Dearne River via reeds beds.

This drainage system was designed and constructed by previous owner National Coal in order to maintain stability of the area. They were inspected prior to new ownership and were found to be adequate, but requires some maintenance, which is intended to be carried out. The intention would be to keep maintaining this system, as any alteration could be detrimental to the land.

The formation of the new tracks will be following existing un-surfaced tracks and will be constructed from permeable materials. Any topsoil removed from these tracks would be used on other areas that have insufficient topsoil.

With these factors in mind it is thought that there would be no interference or any additional loading onto the existing system.

Under the circumstances the existing surface water system with maintenance is adequate for the intended use of the land.