

Mrs Lisa Bolland
Kirbymoorside Town Council
Church House
7 High Market Place
Kirbymoorside
YO62 6AT

1st March 2021

Dear Lisa,

Please see below for your consideration our guide price estimate based on information received and in lieu of a site visit and assessment including full topographical survey, to install land drainage within the football pitch at **Kirbymoorside Playing fields, YO62 6DY**.

Undertaken within our full contract option whereby we provide all machinery, materials, equipment and skilled operatives to complete the entire installation on your behalf.

Installed land drains to run in a west-east direction at 5m spacing the length of the pitch exiting directly into open ditch at eastern boundary. Over laid with either sand slitting or gravel banding at 1m spacing running north-south across the pitch.

80mm perforated pipe is deployed throughout with the exception of non-perforated pipe to be installed between pitch boundary and outfall to eliminate any risk of root encroachment and sleeved with 2m lengths of 90mm solid end pipe at outfall into ditch.

Primary drainage

450mm depth, 97mm width trenches are excavated at 5m spacings with all arisings elevated to adjacent trailer and tipped at agreed on site location. Laser graded to ensure consistent, even, accurate fall. 80mm perforated plastic pipe is simultaneously laid at base of trench with non-perforated and 90mm solid end pipe deployed as outlined above.

Backfilled with 4-10 washed rounded gravel to within 100mm of surface and topped off with free draining medium/coarse sports sand and firmed.

Please be aware that in some circumstances, usually when the pipe work is installed during the early part of the year when the soil moisture is still high, followed by a long dry hot spell, trench lines can dry and shrink causing trench settlement. This is not caused by lack of consolidation when aggregates are placed but solely by trench lines drying more rapidly than the surrounding subsoil. If this occurs there would be an additional charge for topping up trench lines. The best way to minimise the chances of this happening is to install the drainage during the drier summer months when soil moisture is low.

Secondary drainage sand slitting

50mm width, 250mm depth trenches at 1m spacing are excavated with all arising elevated to adjacent trailer and tipped at agreed on site location. Backfilled with 4-10mm washed rounded gravel to within 100mm of surface, topped off with free draining medium/coarse sports sand and firmed.

Secondary drainage gravel banding

35mm width, 250mm depth slits are cut at 1m spacing. Simultaneously backfilled with 4-10 washed rounded gravel virtually to surface and firmed.

Area approximately 7600m²

Item	Rate (£)	Total (£)
<i>Primary drainage</i> 1470m 80mm perforated pipe 100m 80mm non perforated pipe 15 x 2m solid end pipe	9.50 per metre	14975
<i>Mobilisation</i> Transport of machinery to and from site		1980
		16955+VAT
<i>Secondary drainage sand slitting</i> 7350m	2.25 per metre	16538+VAT
<i>Secondary drainage gravel banding</i> 7350m	1.05 per metre	7718
<i>Mobilisation</i> Transport of machinery to and from site*		990
		8708+VAT

* Gravel banding undertaken in autumn months once soil moisture levels increase, requiring return visit.

If I can be of further assistance please do not hesitate to contact me.

Yours sincerely



Andrew Clarke
Operations Manager
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