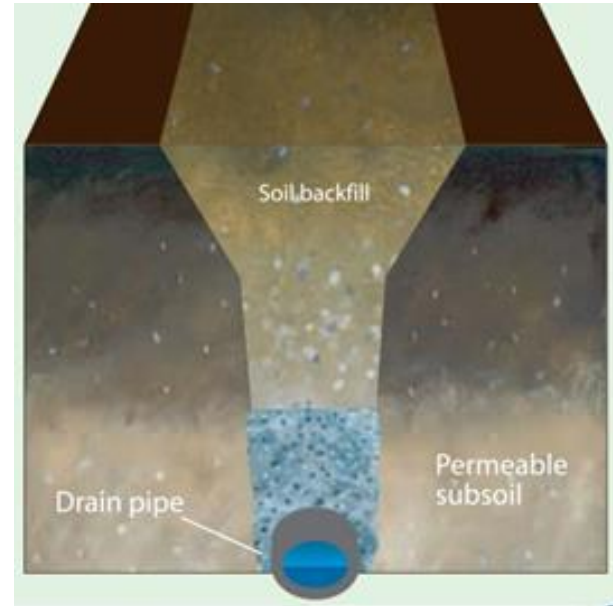


# Alan Wood, Co. Mayo



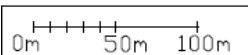
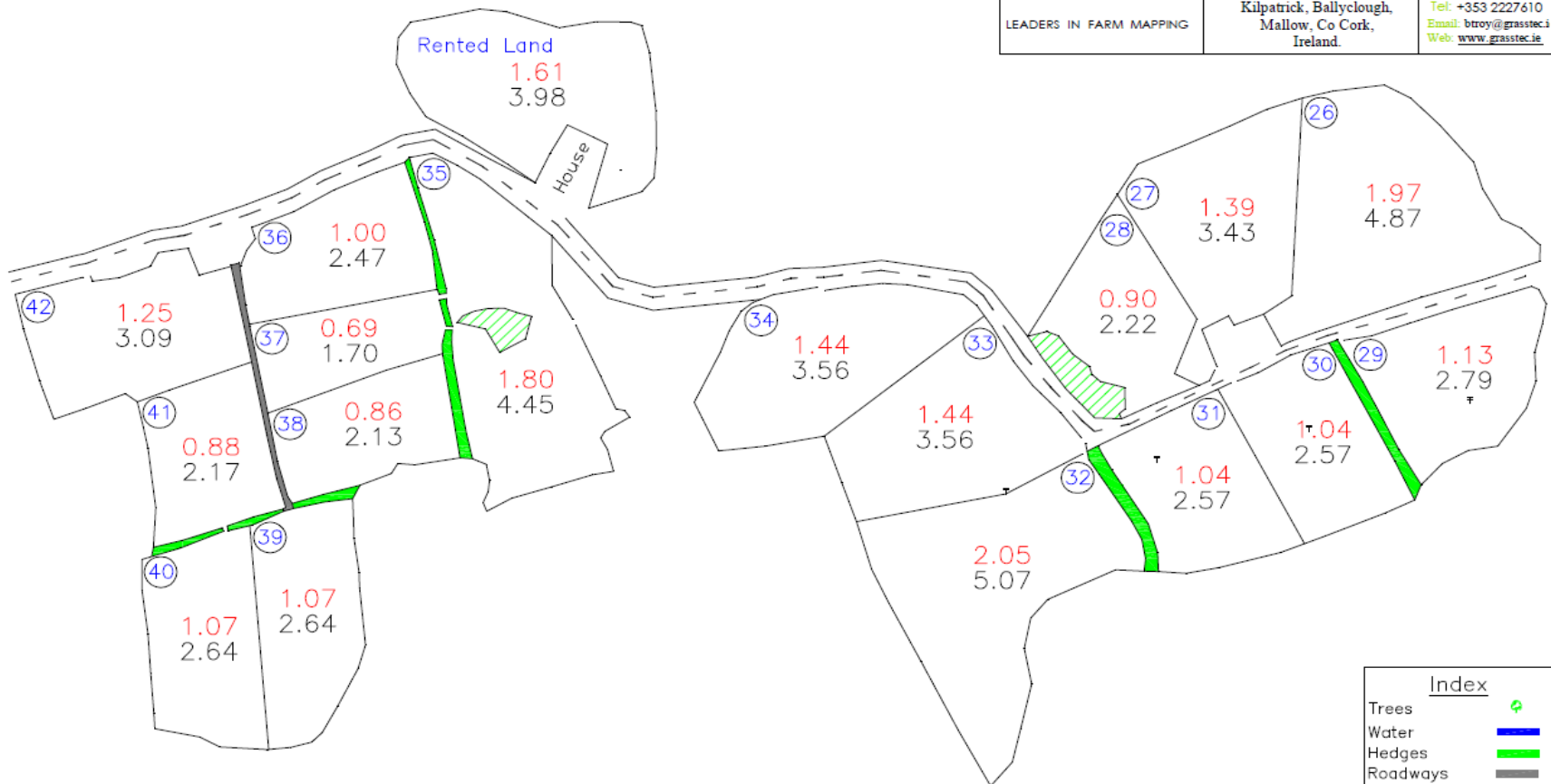




# The Site...26/27



Client:	Alan Woods
Project:	Homefarm
Drawn By:	Pat Carroll
Date:	25-02-14
Adjusted Area:	55.91 acres
<b>Bertie Troy</b> Kilpatrick, Ballyclough, Mallow, Co Cork, Ireland.	
Mob: +353 87272868 Tel: +353 2227610 Email: <a href="mailto:btroy@grasstec.ie">btroy@grasstec.ie</a> Web: <a href="http://www.grasstec.ie">www.grasstec.ie</a>	



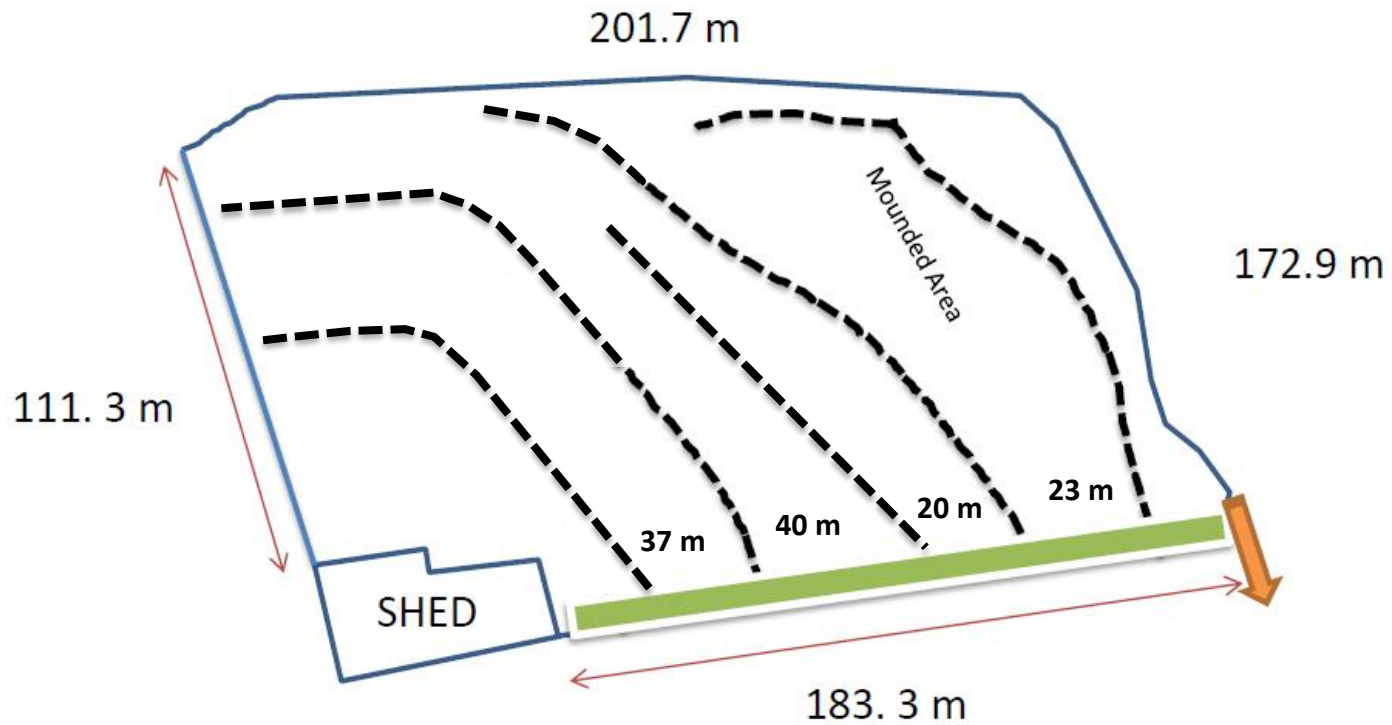
Index	
Trees	
Water	
Hedges	
Roadways	
ESB Poles	
Hectares	1.49
Acres	3.68



# Things of interest....



Old clay drain that was laid at 60 cm in the late 1950's as part a land drainage scheme. These drains worked for 20 years. They eventually got blocked up and the field performance went into decline culminating with very heavy poaching in 2012 and poor grass production.



5 Groundwater drains, 1.7 m deep



Open Drain, deepen to permeable layer,  
battered sides to prevent collapse



Outlet runs under public road and  
transferred to lake



# Site ....Sprayed Off







### Open Drains:

- Deepened
- Widened



# Towards Lake Conn











Installation of drains at 1.7 m deep. 80mm drainage pipe was used with 60cm of 10 – 40 mm clean stone. Some spoil was removed as drains were being dug.



# Water Moved Quickly...





# Infield & Open Drains....









SILE

SAND



# Finished...





# Alan Wood – Drainage Costs



## Costs

## Total/ha

Open drain installation @ €35/hr (76 hrs)	€2,670
Field drain installation @ €35/hr (51 hrs)	€1,790
Drainage pipe @ €1.13/m (338 m)	€380
Drainage stone @ €11.07/t (189 t)	€2,100
Sub-soiling	€125
<u>Drainage cost</u>	<u>€7,065</u>