

## CASE STUDY

### Lifestyles Centre, Rutherglen



# Greenpiling

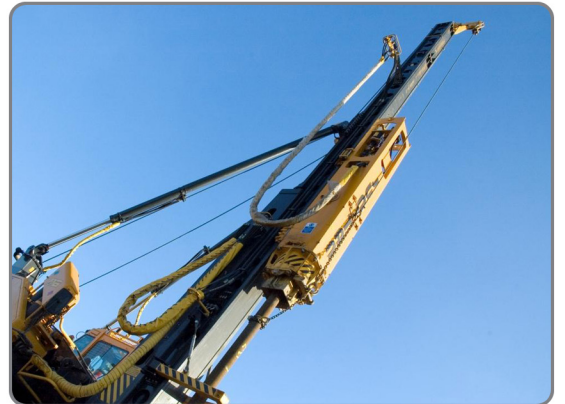
#### PROJECT OVERVIEW:

<b>Client:</b>	SL Lifestyles
<b>Sub-contracted to:</b>	Maxi Construction
<b>Engineer</b>	South Lanarkshire Council
<b>Sector:</b>	Commercial
<b>Value:</b>	£13k
<b>Description of Works:</b>	Installation of piles to form part of the foundations for an extension to a sports centre



#### TECHNICAL DETAILS:

<b>Type of Piling System:</b>	Steel Tubular
<b>Soil Conditions:</b>	Made Ground/Sandstone/Bedrock
<b>Max Load kN:</b>	500kN
<b>Length of piles:</b>	Up to 26m
<b>Type of testing:</b>	Dynamic
<b>No of piles installed:</b>	19 No.
<b>Diameter of piles:</b>	177mm



Steel tubular piles were chosen for this project due to the site being located directly above an old quarry high wall. Cobbles and boulders were present in the soils, therefore steel tubular piles presented as the most economical solution as high strength tubes could penetrate through the cobbles and boulders without damage to the pile.

Piles were driven to the bedrock with the off-cut used to start the next pile, therefore there was minimal wastage and cost savings could be passed on to our client.

Extra care was taken throughout the project due to piling taking place in close proximity to existing buildings.

