

Case Study: Removing Mature Trees From Building Sites:



All Cable Record enquiries should be addressed to:

SP Energy Networks (North)
Data Management
(Correspondence)
55 Fullerton Drive
Cambuslang
Glasgow G32 8FD
t: 0141 567 4155 or 0141 567 4455
e: Requestforplansscotland@scottishpower.com

SP Energy Networks (South)
Data Management
(Correspondence)
North Cheshire Trading Estate
Prenton Way
Prenton
Birkenhead CH43 3ET
t: 0151 609 2373
e: Requestforplansmanweb@manweb.co.uk

All Cable Deviation Requests /Service Alterations enquiries should be addressed to:

SP Energy Networks (North)
Customer Connections
55 Fullerton Drive
Cambuslang
Glasgow G32 8FA
t: 0141 614 9997

SP Energy Networks (South)
Customer Connections
PO Box 290
Lister Drive
Liverpool L13 7HJ
t: 0151 221 2110

Emergency contact

In an emergency, or if there is any damage to SP Energy Networks cables or plant, call the appropriate number:

SP Energy Networks North

Central & Southern Scotland

0845 272 7999

SP Energy Networks South

Cheshire, Merseyside & North Wales

0845 272 2424



The above image demonstrates a situation which can occur on regeneration building type projects.

The task for the demolition contractor was to demolish the existing properties and to clear the site. The demolition contractor attempted to pull the tree from the ground; however the tree roots were entwined around a high voltage wire armoured cable. During the attempted operation to remove the tree the HV cable was brought close to the surface, fortunately no actual damage to the cable took place. To prevent this type of incident occurring, cable records should always be consulted and trial holes undertaken to establish line and level of underground cables in relation to tree roots prior to undertaking operations to remove trees. Always assume cables are present.

Plan the Project



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Case Study: Planting trees on top of ScottishPower cable routes



The above image highlights a situation where trees were planted on top of the route of an electricity cable.

ScottishPower would advise against this type of action, trees and tree roots will grow and in some cases can damage the underground/overhead cables. It must be highlighted that the current owner of a property may not have planted the trees. In this scenario the customer was proposing to cut the trees down and build a wall on top of the cable route to prevent flooding to the property. The customer was advised to move the proposed wall to another location away from the cable route or apply for a cable deviation. Before undertaking any projects in the garden, cable records should always be consulted prior to the removal and planting of trees or undertaking construction excavations. Cable record enquiries are to be directed to ScottishPower Data Management section on the telephone numbers opposite.

Prior to any excavations taking place cable records should always be consulted.

All SP Energy Networks cable record enquiries are to be directed to the relevant North or South Data Management team.

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Case Study: Cable strike to 33kV oil-filled cable with JCB



This damage caused major Environmental Issues

The above image highlights the consequences of lack of planning when a JCB came into contact with a 33,000 volt oil filled cable.

The task was to install a metal post into the ground to support a gate at the location of ScottishPower underground apparatus. JCB proceeded to damage the cable with oil from the cable leaking into the surrounding excavation. To facilitate the repair to the cable a mature tree also had to be removed from the locus. The environmental issues highlighted and the cable strike could have been avoided if the correct planning processes had taken place. To avoid contact with ScottishPower underground plant adherence to HSG47 is strongly advised.

Prior to any excavations taking place cable records should always be consulted.

All SP Energy Networks cable record enquiries are to be directed to the relevant North or South Data Management team.

Reference: HSE leaflet "Avoiding Danger From Underground Services" HSG47

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