

PRELIMINARIES Statutory Undertakers - Utility Strikes

Issues

- Contractors to follow procedures to mark identified STATS prior to excavating
- Gaps in information from Principal Designer within Pre-Construction Information
- Received information from service providers Up to date, suitable and sufficient?
- Size and scale of STATs information suitable?



Mitigation

Design

- Ensure communication between STATS companies and Designers
- Implement design clash reviews (3D BIM clash reviews)
- Ensure Pre-Construction is specific and contains accurate information
- Can further surveys / trial pits confirm STATS location at an early design stage?

Construction

- Can the excavation be avoided?
- Ensure all operatives are competent, aware and have been suitably briefed
- Ensure accuracy of received information
- Contact STATS companies to confirm for construction stage
- Conduct further GPR surveys prior to breaking ground
- Undertake work over of site to identify potential services on the surface (within long grass, etc.)
- · Identify and mark STATS on the ground
- Ensure Permit to excavate / Dig is appropriate and in place
- Undertake trial pits where required to confirm
- Remain vigilant for evidence of potential STATS whilst digging

Maintenance / Operations

- Locations of known STATS to be identified on drawings / Health & Safety Files
- Ensure staff are briefed on locations
- Review locations prior to undertaking works Aware of potential surface laying services

LINKS

HEi053 (Underground Services) – <u>Link</u> HSG47 –Avoiding danger from Underground Services – <u>Link</u>

PAS128 – Specification for Underground utility detection, verification and location – <u>Link</u> Raising the bar (RtB) 9 – Service Avoidance - <u>Link</u>



Radar survey equipment to locate services



Surface marking of surveyed utilities

Examples of Significant Risks

	Activity / Incident	Risk	Persons Affected	Likelihood / Severity
	Construction	Underground Services / Unknown	Construction workers	L: Medium S: High
	Access for inspection / maintenance	Underground Services / Unknown	O & M personnel, Landscaper	L: Medium S: High
	Use	Underground Services / Unknown	Road users	L: Medium S: High



Please submit any feedback, examples of similar issues, or best practice to: Chair of the PDWG Whole Life Design Task Group Andrew. Finch @Jacobs.com

LEAN

Material Reduction Alternative Materials Reduced Plant Alternative Plant Reduced Reduced Labour Land

ced Reduced
Transport-

portend user

d Reduced
Activity
Duration

Reduced Defects Reduced Reportable Accidents

PDWG - WLD TG v.2 (May 2020)