

Codebook metadata.csv

Category	Feature	Description	Values
Construction	Utility surveying objective	The objective set by the construction organizations for the utility surveying activity.	Verify utility maps; Locate specific utilities/appurtenances; Map free subsoil space.
	Construction works	The type of construction work the utility surveying is carried out for.	Replacement/remediation/installation of utilities; Excavation; None.
	Exact location accuracy required	The level of accuracy of utility locations required by the project organizations.	Yes; No.
	Complementary works	Any complementary construction work conducted by the construction organizations.	Controlled directional drilling; Soil preparation / remediation; None.
Geophysical	Land use	The socio-economic description of the area in which surveying takes place.	High-density residential; Commercial and industrial; Residential; Non-build up.
	Ground condition	The type of subsurface soil.	Sandy; Clayey; Silty; Loamy.
	Ground relative permittivity	The relative permittivity of the subsurface soil.	Integer value.
	Relative groundwater level	The relative level of the groundwater in relation to the utilities.	Within utility range; Below utility range; Partially within utility range.
	Land cover	The type of surface cover the surveying activity is carried out on.	Asphalt; Concrete tiling/bricks; Concrete slabs; Grass/vegetation; Rubble; Sand.
	Land type	The functional type of surface the surveying activity is carried out on.	Street/cycling road; Sidewalk;

			Pedestrian/parking area; Greenery; Construction site.
	Terrain levelling	The levelling of the surface.	Flat; Steep.
	Terrain smoothness	The smoothness of the surface.	Smooth; Rough.
	Weather condition	The weather conditions.	Dry; Rainy.
	Presence of anomalies	The presence of rubble, tree roots, polluted soil, or blast-furnace slags in the subsoil.	Yes; No.
Utility infrastructure	Amount of utilities	The number of utilities found.	Integer value.
	Utility crossing	Whether there are crossing utilities present.	Yes; No.
	Utility path linear	Whether the orientation of the utility path is linear. If not, it means the path is curved.	Yes; No.
	Utility discipline	The disciplines of the utilities found.	Electricity; OilGasChemicals; Sewer; Water; Telecommunications.
	Additional utility information	Additional information about the utilities.	Shielded with a cover; Part of a bundle; Installed in a conduit; Material / diameter transition.
	Utility material	The material type of the utilities found.	Longlist of material values.
	Utility diameter	The diameter of the utilities found.	Integer value in mm.