IDS GeoRadar Division

STREAM EM - GPR solution for Extensive Utility Mapping

Job site location: Waipounamu Drive, Timaru Grove and Haast Close at Kelson, New Zealand
January 2011 – Kelson Underground Utility Mapping

Job site location: Waipounamu Drive, Timaru
Grove and Haast Close at Kelson

- Stream-EM utility mapping
- RTK GPS geo-referencing
- Fast acquisition speed 15Km/h
- Single directional survey
- Minimum traffic disturbance
January 2011 – Kelson Underground Utility Mapping
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<table>
<thead>
<tr>
<th>Project</th>
<th>Micro-trenching trial</th>
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<tr>
<td>Project activity</td>
<td>Underground Utility mapping to facilitate Micro-trenching on road, footpath and</td>
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<td></td>
<td>grass verge</td>
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<td></td>
<td>Detect all underground utilities, specifically shallow utilities</td>
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<td>Verify the micro-trenching path and identify all shallow utilities</td>
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## January 2011 – Kelson Underground Utility Mapping

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<th>Utilities Mapping Process</th>
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<td>Acquisition</td>
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<td>GRED 3D and GRED HD3 software</td>
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<td>Automatic export of Geo-referenced data to CAD</td>
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Tomographic map showing the longitudinal pipes and the junctions.
Kelson Underground Utility Mapping: Example of Waipounamu Road scan

Connection pipe

Main pipe
January 2011 – Kelson Underground Utility Mapping
Waipounamu Road scan
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STREAM EM for extensive utility mapping
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Contact us

Thank you

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