

探析综合物探方法在地下管线探测中的运用

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摘要: 在现代城市改造的不断发展中, 城市管线探测是非常重要的一项工作, 相关单位在具体落实管线探测时, 可以结合环境特点和具体需求合理划分物探方法, 而不同探测技术具有不同的探测原理和探测效果, 相关人员进行具体工作时, 需要结合工作目标选择探测方法, 确保能够更为高效地探测地下管线, 使其相关人员全面了解地下管线的具体分布, 避免其他管线干扰探测工作, 从而提升管线探测效率和探测质量, 为我国现代城市化建设的进一步发展创造良好条件。

关键词: 综合物探; 地下管线; 探测

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Explore the Application of Integrated Geophysical Exploration Methods in Underground Pipeline Detection

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Abstract: In the continuous development of modern urban reconstruction, urban pipeline detection is a very important work. When implementing pipeline detection, relevant units can reasonably divide geophysical exploration methods according to environmental characteristics and specific needs. Different detection technologies have different detection principles and detection effects. When carrying out specific work, relevant personnel need to select detection methods in combination with work objectives to ensure more efficient detection of underground pipelines. To enable relevant personnel to fully understand the specific distribution of underground pipelines and avoid other pipelines interfering with the detection work, so as to improve the efficiency and quality of pipeline detection and create good conditions for the further development of modern urbanization in China.

Keywords: Integrated geophysical prospecting; Underground pipelines; Detection

引言

2 地下管线探测基本原理及技术优势

1 城市地下管线普查探测工作的主要内容

3 探析综合物探方法在地下管线探测中的运用

3.1

ES-PAC ESPAC
 L
 SPAC
 ESPAC SPAC
 SPAC
 FK
 Vr
 Vx
 Vx Za
 “扭

GPEM

Vs Z
 曲”
 3.3

AGC SEG const 3

1
2

3.2

3.4

10 4 10 2mm

1Hz

≥1Hz
 P S Rayleigh Love
 70

PVC

PVC

3.5

$2\pi A$

4 结束语

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