

## Assistant Technical Officer (Utility & Land)

### Fanling District

#### Job Duties:

- To assist in liaising and coordinating with Main Contractors, Consultants, Architects, Clients and Sub-contractors in related to Utility and Land surveying
- To assist in project planning, technical and material submission
- To assist in carrying out field Utility and Land surveying
- To handle survey data and prepare survey drawings by using Software AutoCAD, Revit, Recap, Civil3D, GIS etc.
- To prepare survey reports

#### Requirements:

- Diploma in Surveying, Science & Engineering or equivalent
- Fresh graduate is welcome
- Good command in written and spoken English and Chinese
- Proficient in MS Office
- Familiar in using AutoCAD, Revit, Civil3D and other software programs for drawings but not essential
- Holders of Driving License are preferred but not essential
- Candidates with experience in utility surveying, BIM, GIS and land surveying might be considered as “Technical Officer (Utility & Land)”

#### Remunerations and Benefits:

- 5 days work
- \$18,000 - \$22,000 (depending work experience and education level)
- Year-end bonus (Oct)
- Sick leave cert. allowance
- Annual leave (at least 11 days)
- Overtime pay (1-1.5 times)
- Driving allowance
- Career advancement opportunities
- On the-job training

updated on Apr 2024

- Education & training subsidy program
- Work from home arrangement.

#### Our Scope of works (Utility Surveying Department):

1. Underground Utility Survey and Mapping  
地下管線和繪圖測量及繪圖
2. Electric Cable Detection ( under Cap. 406H)  
地下電纜探測
3. Detection of Underground gas pipe ( under Cap. 51B)  
地下煤氣管道探測
4. Detection of Underground Telecommunications Lines (under Cap. 106)  
地下電訊線路探測
5. 3D Laser Scanning (for open trench existing facilities, structures, MEP, Architectural details, topography of site) 三維鐳射掃描
6. Ground Penetrating Radar (GPR) Survey (of geological strata, void and buried utilities mapping) 探地雷達探測
7. Trial pit excavation and inspection 探井開挖及勘測
8. Building Information Modeling (BIM) and Geographic Information System (GIS) for underground utilities 建築資訊模型 (BIM) 和地理資訊系統 (GIS) 作創建地下管線設施
9. Manhole Internal Condition Survey (MICS) 沙井內部狀況檢測
10. CCTV (Closed Circuit Television) and Sonar Survey for underground drainage system 地下排水系統閉路電視及聲納勘測
11. Water Leakage Detection for underground water supply pipe 地下供水管道漏水檢測
12. Inspection and leak detection of Buried Water-Carrying Services (BWCS) Affecting Slopes 斜坡埋設水管檢查及測漏檢測
13. Flow Monitoring for underground drainage pipes  
地下排水管道流量監測
14. Underground pipe cleaning by High Pressure Water Jetting and Mechanical Cleaning  
高壓清洗和機械清洗地下管道
15. Pipe replacement by Dig-and-Replace method  
開挖式更換管道
16. Pipe rehabilitation by Re-lining method or other Trenchless method  
原位固化內襯修復法及非開挖式管道修復
17. Surface Penetrating Radar (SPR) Survey to locate concealed rebar and conduit  
高頻雷達探測以定位隱藏的鋼筋和管道
18. Pipeline Thickness Measurement and Condition Survey 管道厚度測量和狀況勘測
19. Topographic Survey 地形測量
20. Tree Survey and Tree Risk Assessment 樹木測量和樹木風險評估
21. Drone Survey 無人機攝影測量
22. CCTV (Closed Circuit Television) Survey for building drainage pipe and conduit  
建築物排水管和管道閉路電視勘測
23. Pre-Construction Condition Survey  
工地施工前環境狀況勘測
24. Infrared (Thermal Image) Survey 紅外線(熱影像)勘測

Please email your CV and expected salary to [info@sconltd.com](mailto:info@sconltd.com) & [pinky.lee@sconltd.com](mailto:pinky.lee@sconltd.com)

## Technical Officer (Utility & Land)

### Fanling District

#### Job Duties:

- To liaise and coordinate with Main Contractors, Consultants, Architects, Clients and Sub-contractors in related to Utility and Land surveying
- To prepare work program, project planning, technical and material submission
- To carry out field Utility and Land surveying
- To handle survey data and prepare survey drawings by using Software AutoCAD, Revit, Recap, Civil3D, GIS etc.
- To prepare survey reports

#### Requirements:

- Holder of Degree / Higher Diploma in Surveying, Science & Engineering or equivalent
- At least 2 years work experience in utility surveying, BIM, GIS, land surveying, engineering, construction or related disciplines
- Good command in written and spoken English and Chinese
- Proficient in MS Office
- Familiar in using AutoCAD, Revit, Civil3D and other software programs for drawings
- Holders of Driving License are preferred but not essential
- Less experience will be considered as “Assistant Technical Officer (Utility & Land)”

#### Remunerations and Benefits:

- 5 days work
- \$23,000 - \$29,000 (depending work experience and education level)
- Year-end bonus (Oct)
- Sick leave cert. allowance
- Annual leave
- Overtime pay

updated on Apr 2024

- Driving allowance
- Career advancement opportunities
- On the-job training
- Education & training subsidy program
- Work from home arrangement.

#### Our Scope of works (Utility Surveying Department):

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|---|---|
| 1. Underground Utility Survey and Mapping<br>地下管線和繪圖測量及繪圖   | 13. Flow Monitoring for underground drainage pipes<br>地下排水管道流量監測                                      |
| 2. Electric Cable Detection ( under Cap. 406H)<br>地下電纜探測  | 14. Underground pipe cleaning by High Pressure Water Jetting and Mechanical Cleaning<br>高壓清洗和機械清洗地下管道 |
| 3. Detection of Underground gas pipe ( under Cap. 51B)<br>地下煤氣管道探測  | 15. Pipe replacement by Dig-and-Replace method<br>開挖式更換管道   |
| 4. Detection of Underground Telecommunications Lines (under Cap. 106)<br>地下電訊線路探測   | 16. Pipe rehabilitation by Re-lining method or other Trenchless method<br>原位固化內襯修復法及非開挖式管道修復          |
| 5. 3D Laser Scanning (for open trench existing facilities, structures, MEP, Architectural details, topography of site) 三維鐳射掃描                 | 17. Surface Penetrating Radar (SPR) Survey to locate concealed rebar and conduit<br>高頻雷達探測以定位隱藏的鋼筋和管道 |
| 6. Ground Penetrating Radar (GPR) Survey (of geological strata, void and buried utilities mapping) 探地雷達探測                                     | 18. Pipeline Thickness Measurement and Condition Survey 管道厚度測量和狀況勘測                                   |
| 7. Trial pit excavation and inspection 探井開挖及勘測  | 19. Topographic Survey 地形測量   |
| 8. Building Information Modeling (BIM) and Geographic Information System (GIS) for underground utilities 建築資訊模型 (BIM) 和地理資訊系統 (GIS) 作創建地下管線設施 | 20. Tree Survey and Tree Risk Assessment 樹木測量和樹木風險評估  |
| 9. Manhole Internal Condition Survey (MICS) 沙井內部狀況檢測  | 21. Drone Survey 無人機攝影測量  |
| 10. CCTV (Closed Circuit Television) and Sonar Survey for underground drainage system 地下排水系統閉路電視及聲納勘測   | 22. CCTV (Closed Circuit Television) Survey for building drainage pipe and conduit 建築物排水管和管道閉路電視勘測    |
| 11. Water Leakage Detection for underground water supply pipe 地下供水管道漏水檢測  | 23. Pre-Construction Condition Survey 工地施工前環境狀況勘測   |
| 12. Inspection and leak detection of Buried Water-Carrying Services (BWCS) Affecting Slopes 斜坡埋設水管檢查及測漏檢測                                     | 24. Infrared (Thermal Image) Survey 紅外線(熱影像)勘測  |

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