

基地鑽孔平面配置圖

# 01 鑽探孔位位置圖

SCALE: N/A UNIT: N/A

| 鑽探試驗報告表<br>Boring And Testing Data |         |                 |         |                |               |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|------------------------------------|---------|-----------------|---------|----------------|---------------|---------------------|------|----------------------|----------|-----------|---------------|---------------|------------------------------|------|------|------|--|
| 鑽孔編號 Hole No.                      |         | 工程名稱 Project    |         | 地點 Location    |               | 鑽探時間 Date of boring |      | 試驗時間 Date of testing |          |           |               |               |                              |      |      |      |  |
| BH-1                               |         | 新竹市建華國中大樓校舍新建工程 |         | 新竹市東區建華段423等地號 |               | 108.5.15            |      | 108.5.16-18          |          |           |               |               |                              |      |      |      |  |
| 鑽孔深度<br>M                          | 深度<br>M | 柱狀圖<br>SF       | 擊數<br>N | 樣號<br>No       | 地質說明          | 分類                  | 顆粒分析 |                      |          | 含水量<br>W% | 液性<br>限度<br>% | 塑性<br>指數<br>% | 當量<br>密度<br>T/m <sup>3</sup> | 比重   | 空隙比  | 備註   |  |
|                                    |         |                 |         |                |               |                     | 卵石   | 砂                    | 沉泥<br>黏土 |           |               |               |                              |      |      |      |  |
| 0.30                               | —1      |                 | 7       | S-1            | 回填卵石土磚塊       | SM                  | 0    | 80.6                 | 19.4     | 10.7      | -             | -             | NP                           | 1.93 | 2.67 | 0.52 |  |
| 2.60                               | —2      |                 | 37      | S-0            | 棕灰色粉土質細砂      |                     |      |                      |          |           |               |               |                              |      |      |      |  |
| 4.00                               | —3      |                 | 22      | S-2            | 棕灰色粉土質細砂與卵石互層 | SM                  | 1.4  | 88.8                 | 9.8      | 9.3       | -             | -             | NP                           | 1.99 | 2.65 | 0.45 |  |
| 4.80                               | —4      |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —5      |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —6      |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —7      |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —8      |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —9      |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —10     |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —11     |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —12     |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —13     |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —14     |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
| 15.00                              | —15     |                 |         |                | 鑽探終止          |                     |      |                      |          |           |               |               |                              |      |      |      |  |

| 鑽探試驗報告表<br>Boring And Testing Data |         |                 |         |                |               |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|------------------------------------|---------|-----------------|---------|----------------|---------------|---------------------|------|----------------------|----------|-----------|---------------|---------------|------------------------------|------|------|------|--|
| 鑽孔編號 Hole No.                      |         | 工程名稱 Project    |         | 地點 Location    |               | 鑽探時間 Date of boring |      | 試驗時間 Date of testing |          |           |               |               |                              |      |      |      |  |
| BH-2                               |         | 新竹市建華國中大樓校舍新建工程 |         | 新竹市東區建華段423等地號 |               | 108.5.23-27         |      | 108.5.28-30          |          |           |               |               |                              |      |      |      |  |
| 鑽孔深度<br>M                          | 深度<br>M | 柱狀圖<br>SF       | 擊數<br>N | 樣號<br>No       | 地質說明          | 分類                  | 顆粒分析 |                      |          | 含水量<br>W% | 液性<br>限度<br>% | 塑性<br>指數<br>% | 當量<br>密度<br>T/m <sup>3</sup> | 比重   | 空隙比  | 備註   |  |
|                                    |         |                 |         |                |               |                     | 卵石   | 砂                    | 沉泥<br>黏土 |           |               |               |                              |      |      |      |  |
| 0.60                               | —1      |                 | 16      | S-0            | 回填卵石土磚塊       |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —2      |                 | 53      | S-0            | 棕黃色粉土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
| 3.70                               | —3      |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
| 4.60                               | —4      |                 | 13      | S-1            | 灰土質細砂         | CL                  | 0    | 13.6                 | 86.4     | 20.9      | 33.5          | 20.5          | 13.0                         | 1.90 | 2.73 | 0.74 |  |
|                                    | —5      |                 |         |                | 灰土質細砂         |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —6      |                 | 15      | S-2            | 棕黃色粉土質細砂      | SM                  | 0    | 82.6                 | 17.4     | 11.3      | -             | -             | NP                           | 1.97 | 2.57 | 0.51 |  |
|                                    | —7      |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —8      |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —9      |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —10     |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —11     |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —12     |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —13     |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —14     |                 |         |                | 灰土質細砂與卵石互層    |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —15     |                 |         |                | 鑽探終止          |                     |      |                      |          |           |               |               |                              |      |      |      |  |

| 鑽探試驗報告表<br>Boring And Testing Data |         |                 |         |                |                       |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|------------------------------------|---------|-----------------|---------|----------------|-----------------------|---------------------|------|----------------------|----------|-----------|---------------|---------------|------------------------------|------|------|------|--|
| 鑽孔編號 Hole No.                      |         | 工程名稱 Project    |         | 地點 Location    |                       | 鑽探時間 Date of boring |      | 試驗時間 Date of testing |          |           |               |               |                              |      |      |      |  |
| BH-2                               |         | 新竹市建華國中大樓校舍新建工程 |         | 新竹市東區建華段423等地號 |                       | 108.5.23-27         |      | 108.5.28-30          |          |           |               |               |                              |      |      |      |  |
| 鑽孔深度<br>M                          | 深度<br>M | 柱狀圖<br>SF       | 擊數<br>N | 樣號<br>No       | 地質說明                  | 分類                  | 顆粒分析 |                      |          | 含水量<br>W% | 液性<br>限度<br>% | 塑性<br>指數<br>% | 當量<br>密度<br>T/m <sup>3</sup> | 比重   | 空隙比  | 備註   |  |
|                                    |         |                 |         |                |                       |                     | 卵石   | 砂                    | 沉泥<br>黏土 |           |               |               |                              |      |      |      |  |
| 16.70                              | —16     |                 |         |                | 灰土質細砂與卵石互層            |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —17     |                 | 50/8cm  |                | 卵石粒徑大於取樣管內徑(1 3/8" φ) |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —18     |                 | 52      | S-3            | 灰土質細砂與卵石互層            | SM                  | 0    | 89.3                 | 10.7     | 19.6      | -             | -             | NP                           | 2.00 | 2.65 | 0.58 |  |
|                                    | —19     |                 | 48      | S-4            | 棕黃色細砂                 | SM                  | 0    | 82.8                 | 17.2     | 20.2      | -             | -             | NP                           | 1.99 | 2.66 | 0.61 |  |
|                                    | —20     |                 |         |                | 灰土質細砂與卵石互層            |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —21     |                 | 54      | S-5            | 灰土質細砂與卵石互層            | SM                  | 0    | 92.2                 | 7.8      | 19.1      | -             | -             | NP                           | 2.03 | 2.65 | 0.58 |  |
|                                    | —22     |                 |         |                | 灰土質細砂與卵石互層            |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —23     |                 |         |                | 灰土質細砂與卵石互層            |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —24     |                 |         |                | 灰土質細砂與卵石互層            |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —25     |                 |         |                | 灰土質細砂與卵石互層            |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —26     |                 |         |                | 灰土質細砂與卵石互層            |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —27     |                 |         |                | 灰土質細砂與卵石互層            |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —28     |                 |         |                | 灰土質細砂與卵石互層            |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —29     |                 |         |                | 灰土質細砂與卵石互層            |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —30     |                 |         |                | 鑽探終止                  |                     |      |                      |          |           |               |               |                              |      |      |      |  |

| 鑽探試驗報告表<br>Boring And Testing Data |         |                 |         |                |            |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|------------------------------------|---------|-----------------|---------|----------------|------------|---------------------|------|----------------------|----------|-----------|---------------|---------------|------------------------------|------|------|------|--|
| 鑽孔編號 Hole No.                      |         | 工程名稱 Project    |         | 地點 Location    |            | 鑽探時間 Date of boring |      | 試驗時間 Date of testing |          |           |               |               |                              |      |      |      |  |
| BH-3                               |         | 新竹市建華國中大樓校舍新建工程 |         | 新竹市東區建華段423等地號 |            | 108.5.15            |      | 108.5.16-18          |          |           |               |               |                              |      |      |      |  |
| 鑽孔深度<br>M                          | 深度<br>M | 柱狀圖<br>SF       | 擊數<br>N | 樣號<br>No       | 地質說明       | 分類                  | 顆粒分析 |                      |          | 含水量<br>W% | 液性<br>限度<br>% | 塑性<br>指數<br>% | 當量<br>密度<br>T/m <sup>3</sup> | 比重   | 空隙比  | 備註   |  |
|                                    |         |                 |         |                |            |                     | 卵石   | 砂                    | 沉泥<br>黏土 |           |               |               |                              |      |      |      |  |
| 0.60                               | —1      |                 | 17      | S-1            | 回填卵石土磚塊    | SM                  | 0    | 89.5                 | 10.5     | 9.7       | -             | -             | NP                           | 2.00 | 2.56 | 0.46 |  |
| 2.50                               | —2      |                 | 35      | S-0            | 棕灰色粉土質細砂   |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —3      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —4      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —5      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —6      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —7      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —8      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —9      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —10     |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —11     |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —12     |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —13     |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —14     |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
| 15.00                              | —15     |                 |         |                | 鑽探終止       |                     |      |                      |          |           |               |               |                              |      |      |      |  |

| 鑽探試驗報告表<br>Boring And Testing Data |         |                 |         |                |            |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|------------------------------------|---------|-----------------|---------|----------------|------------|---------------------|------|----------------------|----------|-----------|---------------|---------------|------------------------------|------|------|------|--|
| 鑽孔編號 Hole No.                      |         | 工程名稱 Project    |         | 地點 Location    |            | 鑽探時間 Date of boring |      | 試驗時間 Date of testing |          |           |               |               |                              |      |      |      |  |
| BH-4                               |         | 新竹市建華國中大樓校舍新建工程 |         | 新竹市東區建華段423等地號 |            | 108.5.15            |      | 108.5.16-18          |          |           |               |               |                              |      |      |      |  |
| 鑽孔深度<br>M                          | 深度<br>M | 柱狀圖<br>SF       | 擊數<br>N | 樣號<br>No       | 地質說明       | 分類                  | 顆粒分析 |                      |          | 含水量<br>W% | 液性<br>限度<br>% | 塑性<br>指數<br>% | 當量<br>密度<br>T/m <sup>3</sup> | 比重   | 空隙比  | 備註   |  |
|                                    |         |                 |         |                |            |                     | 卵石   | 砂                    | 沉泥<br>黏土 |           |               |               |                              |      |      |      |  |
| 0.50                               | —1      |                 | 17      | S-1            | 回填卵石土磚塊    | SM                  | 0    | 92.0                 | 8.0      | 10.1      | -             | -             | NP                           | 2.00 | 2.66 | 0.46 |  |
| 2.80                               | —2      |                 | 28      | S-0            | 棕灰色粉土質細砂   |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —3      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —4      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —5      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —6      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —7      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —8      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —9      |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —10     |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —11     |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —12     |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —13     |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
|                                    | —14     |                 |         |                | 灰土質細砂與卵石互層 |                     |      |                      |          |           |               |               |                              |      |      |      |  |
| 15.00                              | —15     |                 |         |                | 鑽探終止       |                     |      |                      |          |           |               |               |                              |      |      |      |  |

# 02 柱狀圖

SCALE: N/A UNIT: N/A



張瑪龍 陳玉霖 聯合建築師事務所  
e: info@malone.com.tw  
w: www.mayuarchitects.com

高雄  
高雄市苓雅區四維四路10號3F-1  
07-3389098

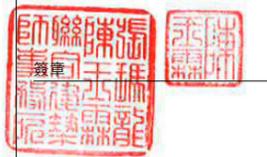
台北  
台北市中山區龍江路281巷4號1F  
070-1000-0019

工程名稱

新竹市建華國中校園整體規劃暨新建校舍工程

圖名

鑽探孔位位置圖/柱狀圖



張瑪龍 陳玉霖 陳玉霖 羅婷頤

羅婷頤 羅婷頤 葉俐琪 賴昱安 王盈

日期 蘇 孚

張號 圖號

A0-04