

# 設計数量総括表

工事名： 総土除）橋りょう補修工事（刀水橋補修工その１）501

工事場所： 一般国道４０７号／熊谷市妻沼地内

【間接工事費率補正（任意乗算補正）】

共通仮設費率補正：1.02倍

現場管理費率補正：1.03倍

| 工事区分<br>(LEVEL1) | 工 種<br>(LEVEL2) | 種 別<br>(LEVEL3) | 細 別<br>(LEVEL4) | 規 格<br>(LEVEL5) | 単位 | 数値  | 設計数量 | 積算数量 | 摘 要 |
|------------------|-----------------|-----------------|-----------------|-----------------|----|-----|------|------|-----|
| 橋梁修繕             |                 |                 |                 |                 |    |     |      |      |     |
|                  | 工場製作工           | 工場製作工           | 支承補修材料費         |                 | 式  | 1   | 1    | 1    |     |
|                  | 工場製作輸送工         | 工場製作輸送工         | 工場製作輸送工         |                 | t  | 0.1 | 0.1  | 0.1  |     |
|                  | 樹脂再注入工          | 樹脂再注入工          | 樹脂再注入工          |                 | m2 | 1   | 81   | 81   |     |
|                  |                 |                 | 材料費             |                 | 式  | 1   | 1    | 1    |     |
|                  | 支承補修工           | 部材取替工           | 足場上部材運搬工        |                 | 部材 | 1   | 12   | 12   |     |
|                  |                 |                 | 補強部材取替工         |                 | 部材 | 1   | 12   | 12   |     |
|                  |                 | 再塗装工            | 小規模塗装工          |                 | m2 | 1   | 5.0  | 5    |     |
|                  | 排水施設補修工         | 排水管設置工          | 排水管設置工          |                 | m  | 1   | 454  | 454  |     |
|                  |                 | 排水管撤去工          |                 |                 | m  | 1   | 38   | 38   |     |
|                  |                 | 小規模塗装工          |                 |                 | m2 | 1   | 2    | 2    |     |
|                  |                 | アンカーボルト工        |                 |                 | 本  | 1   | 174  | 174  |     |
|                  |                 | 現場溶接工           |                 |                 | m  | 1   | 45   | 45   |     |
|                  |                 | 上部工排水装置鋼材       |                 |                 | 式  | 1   | 1    | 1    |     |
|                  |                 | 下部工排水装置鋼材       |                 |                 | 式  | 1   | 1    | 1    |     |
|                  |                 | ふとんかご設置工        |                 |                 | m  | 1   | 4    | 4    |     |
|                  |                 | 浸透桧設置工          |                 |                 | 式  | 1   | 1    | 1    |     |
|                  |                 | 浸透桧材料費          | 浸透角桧600用 1基分    |                 | 式  | 1   | 1    | 1    |     |

|  |     |          |  |  |     |   |         |       |           |
|--|-----|----------|--|--|-----|---|---------|-------|-----------|
|  |     |          |  |  |     |   |         |       |           |
|  |     | 油水分離柵設置工 |  |  | 式   | 1 | 1       | 1     |           |
|  |     | 油水分離柵材料費 |  |  | 式   | 1 | 1       | 1     |           |
|  | 仮設工 | 吊足場      |  |  | m2  | 1 | 3,404.0 | 3,404 | 38日・1.3力月 |
|  |     | 桝組足場     |  |  | 掛m2 | 1 | 305.3   | 305   | 38日・1.3力月 |
|  |     | 橋脚回り足場   |  |  | m2  | 1 | 128.4   | 128   | 38日・1.3力月 |

## 数量総括表

刀水橋 全体数量総括表

施工範囲：P7～P10

| 工種      | 種別          | 細別         | 規格               | 単位 | 数量    | 摘要       |
|---------|-------------|------------|------------------|----|-------|----------|
| 橋梁補修工   |             |            |                  |    |       |          |
| 工場製作工   |             |            |                  |    |       |          |
|         | 支承補修工材料費    | ローラーカバーMs1 |                  | 枚  | 12.0  | 材料費・工場制作 |
|         | 工場製作輸送工     | 橋梁工場制作輸送工  | 11.7km（事務所から刀水橋） | t  | 0.1   |          |
| 樹脂再注工   |             |            |                  |    |       |          |
|         | 樹脂再注工       |            | エポキシ樹脂注入材 1 種    | m2 | 81    |          |
|         | 低圧注入器具      | エポキシ樹脂     | BLインジェクター        | 本  | 378   | 材料費      |
|         | シール材        | エポキシ樹脂     | #101(10kg/セット)   | kg | 9.8   | 材料費      |
|         | 注入材         | エポキシ樹脂     | BLグラウト(5kg/セット)  | kg | 111.5 | 材料費      |
| 支承補修工   |             |            |                  |    |       |          |
|         | 足場上部材運搬工    |            |                  | 部材 | 12.0  |          |
|         | 部材取替工       |            |                  | 部材 | 12.0  |          |
|         | 再塗装工（小規模塗装） | 下塗り        | 弱溶剤形エポキシ樹脂塗料     | m2 | 5.0   |          |
|         |             | 下塗り        | 弱溶剤形エポキシ樹脂塗料     | m2 | 5.0   |          |
|         |             | 下塗り        | 弱溶剤形エポキシ樹脂塗料     | m2 | 5.0   |          |
|         |             | 中塗り        | 弱溶剤形ふっ素樹脂塗料      | m2 | 5.0   |          |
|         |             | 上塗り        | 弱溶剤形ふっ素樹脂塗料      | m2 | 5.0   |          |
| 排水施設補修工 |             |            |                  |    |       |          |
|         | 排水管設置工      | 取付金具設置も含む  |                  | m  | 454   |          |
|         | 既設排水管撤去工    | 鋼管         |                  | m  | 38    |          |
|         | 小規模塗装工      | 素地調整       | 3 種ケレンC          | m2 | 2.000 |          |
|         |             | 下塗り        | 弱溶剤形エポキシ樹脂塗料     | m2 | 2.000 |          |
|         |             | 中塗り        | 弱溶剤形ふっ素樹脂塗料      | m2 | 2.000 |          |
|         |             | 上塗り        | 弱溶剤形ふっ素樹脂塗料      | m2 | 2.000 |          |
|         | アンカーボルト工    |            |                  | 本  | 174.0 |          |

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| 工種 | 種別        | 細別           | 規格              | 単位 | 数量    | 摘要  |
|----|-----------|--------------|-----------------|----|-------|-----|
|    | 現場溶接工     |              |                 | m  | 45.0  |     |
|    | 上部工排水装置鋼材 | 直管           | 200A、VP管、スリーブあり | m  | 185.3 | 材料費 |
|    |           | 直管           | 200A、VP管、スリーブなし | m  | 160.1 | 材料費 |
|    |           | 直管           | 125A            | m  | 0.6   | 材料費 |
|    |           | 加工管T1        | VP125A          | 個  | 12    | 材料費 |
|    |           | 加工管Y1        | VP125A          | 個  | 1     | 材料費 |
|    |           | 加工管Y2        | VP125A          | 個  | 1     | 材料費 |
|    |           | 樹脂フレキシブルチューブ | 25A             | m  | 10.5  | 材料費 |
|    |           | 支持金具S1       | 200A用           | 個  | 28    | 材料費 |
|    |           | 支持金具S2-1     | 125A用           | 個  | 12    | 材料費 |
|    |           | 支持金具B1       | 125A用           | 個  | 24    | 材料費 |
|    |           | 支持金具B3       | 200A用           | 個  | 156   | 材料費 |
|    |           | 伸縮管EX1       | 200A用           | 個  | 12    | 材料費 |
|    |           | L型排水管ジョイントLJ | 200A用           | 個  | 12    | 材料費 |
|    |           | T型排水管ジョイントTJ | 200A用           | 個  | 6     | 材料費 |
|    |           | インクリーザーIN    | 200A-125A用      | 個  | 20    | 材料費 |
|    | 下部工排水装置鋼材 | 直管           | 200A、VP管、スリーブあり | m  | 68.9  | 材料費 |
|    |           | 直管           | 200A、VP管、スリーブなし | m  | 39.6  | 材料費 |
|    |           | 加工管L5        | VP200A          | 個  | 1.0   | 材料費 |
|    |           | 加工管Y6        | VP200A          | 個  | 2.0   | 材料費 |
|    |           | 支持金具S6       | 200A用           | 個  | 75.0  | 材料費 |
|    |           | 支持金具S8       | 200A用           | 個  | 1.0   | 材料費 |
|    |           | 支持金具S12      | 200A用           | 個  | 5.0   | 材料費 |
|    |           | 支持金具S25      | 200A用           | 個  | 3.0   | 材料費 |
|    |           | 支持金具S26      | 200A用           | 個  | 3.0   | 材料費 |

## 数量総括表

刀水橋 全体数量総括表

施工範囲：P7～P10

| 工種 | 種別          | 細別            | 規格                     | 単位 | 数量   | 摘要  |
|----|-------------|---------------|------------------------|----|------|-----|
|    |             | L型排水管ジョイントLJ  | 200A用                  | 個  | 17.0 | 材料費 |
|    |             | T型排水管ジョイントTJ  | 200A用                  | 個  | 6.0  | 材料費 |
|    |             | 45° エルボEL     |                        | 個  | 1.0  | 材料費 |
|    | ふとんかご設置工    | スロープ式500×1200 |                        | m  | 4    |     |
|    | 浸透柵設置工      | 床堀            |                        | m3 | 2    |     |
|    |             | プレキャスト集水柵     |                        | 基  | 1    |     |
|    | 浸透角柵600用1基分 | グレーチング        | 落込式細目(鎖付) 600×600 T-14 | 組  | 1    | 材料費 |
|    |             | EMBX用縁塊       |                        | 個  | 1    | 材料費 |
|    |             | EMBX用側塊       |                        | 個  | 1    | 材料費 |
|    |             | 浸透ボラコン角柵      |                        | 個  | 1    | 材料費 |
|    |             | 浸透ボラコン角柵      |                        | 個  | 1    | 材料費 |
|    |             | 浸透角柵用底塊リング    |                        | 個  | 1    | 材料費 |
|    |             | 浸透底塊フィルター     |                        | 個  | 1    | 材料費 |
|    |             | 透水シート         |                        | 巻  | 1    | 材料費 |
|    | 油水分離柵据付     |               |                        | 基  | 1.0  |     |
|    |             | 土工            | 掘削                     | m3 | 76.0 |     |
|    |             |               | 埋め戻し                   | m3 | 46.0 |     |
|    |             | 基礎コンクリート工     | コンクリート                 | m3 | 1.0  |     |
|    |             |               | 型枠                     | m2 | 1.0  |     |
|    | 油水分離柵材料費    | A1ブロック        | 4300×1500×600、2093kg   | 個  | 1.0  | 材料費 |
|    |             | A2ブロック        | 4300×1500×600、2093kg   | 個  | 1.0  | 材料費 |
|    |             | B1ブロック        | 4300×1500×400、1395kg   | 個  | 1.0  | 材料費 |
|    |             | C1ブロック        | 4300×1500×330、2415kg   | 個  | 1.0  | 材料費 |
|    |             | 越流管(曲管)       | VU φ 200 90°           | 個  | 4.0  | 材料費 |
|    |             | 越流管(直管)       | VU φ 200               | 本  | 1.0  | 材料費 |
|    |             | 開閉式縞鋼板蓋、専用受枠  |                        | 個  | 3.0  | 材料費 |

## 数量総括表

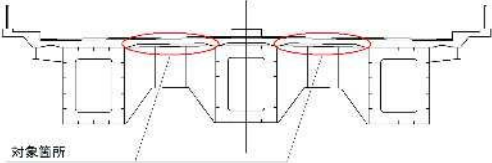
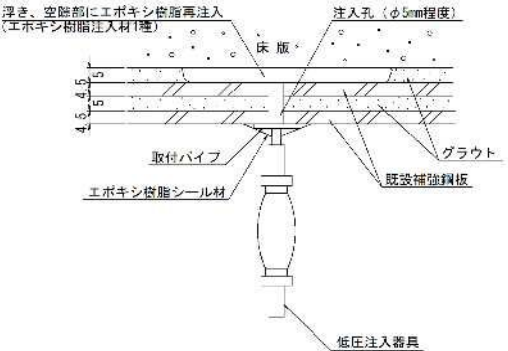
刀水橋 全体数量総括表

施工範囲：P7～P10

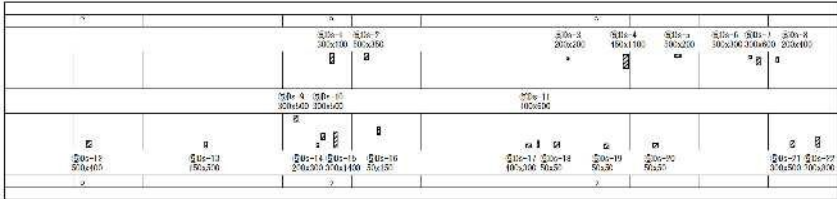
| 工種  | 種別     | 細別          | 規格                     | 単位  | 数量     | 摘要  |
|-----|--------|-------------|------------------------|-----|--------|-----|
|     |        | 南京錠         |                        | 本   | 3.0    | 材料費 |
|     |        |             |                        |     |        |     |
|     |        | 仕切板         | PL-1291×600×3.2 23.0kg | 枚   | 1.0    | 材料費 |
|     |        | 仕切板         | PL-1291×550×3.2 21.3kg | 枚   | 1.0    | 材料費 |
|     |        | 仕切板         | PL-1291×230×3.2 10.8kg | 枚   | 1.0    | 材料費 |
|     |        | アングル（仕切固定用） | 50×50×4 L=600 計3.7kg   | 本   | 2.0    | 材料費 |
|     |        | アングル（仕切固定用） | 50×50×4 L=550 計3.4kg   | 本   | 2.0    | 材料費 |
|     |        | アングル（仕切固定用） | 50×50×4 L=230 計1.4kg   | 本   | 2.0    | 材料費 |
|     |        | 固定ボルト       |                        | 本   | 28.0   | 材料費 |
|     |        | 固定ナット       |                        | 本   | 16.0   | 材料費 |
|     |        | ワッシャー       |                        | 個   | 44.0   | 材料費 |
|     |        | コーキング材      | 変性シリコン系                | 本   | 18.0   | 材料費 |
|     |        | 連結鉄筋D16     |                        | 本   | 8.0    | 材料費 |
| 足場工 |        |             |                        |     |        |     |
|     | 上部工吊足場 |             |                        | m2  | 3404.0 |     |
|     | 桝組足場   |             |                        | 掛m2 | 305.3  |     |
|     | 橋脚回り足場 |             |                        | m2  | 128.4  |     |

数量総括表  
刀水橋 樹脂再注工

| 工種    | 種別     | 細別     | 規格               | 単位 | 数量     | 摘要 |
|-------|--------|--------|------------------|----|--------|----|
| 樹脂再注工 |        |        |                  |    |        |    |
|       | 銅板削孔   | φ 5mm  |                  |    |        |    |
|       | 損傷面積   | 第8径間   |                  | m2 | 2. 8   |    |
|       |        | 第9径間   |                  | m2 | 22. 9  |    |
|       |        | 第10径間  |                  | m2 | 55. 7  |    |
|       |        |        | 合計               | m2 | 81. 4  |    |
|       |        |        |                  |    |        |    |
|       | 注入孔    | 第8径間   |                  | 箇所 | 44     |    |
|       |        | 第9径間   |                  | 箇所 | 135    |    |
|       |        | 第10径間  |                  | 箇所 | 199    |    |
|       |        |        | 合計               | 箇所 | 378    |    |
|       | 低圧注入器具 | エポキシ樹脂 | BLインジェクター        | 本  | 378    |    |
|       | シール材   | エポキシ樹脂 | #101 (10kg/セット)  | kg | 9. 8   |    |
|       | 注入材    | エポキシ樹脂 | BLグラウト (5kg/セット) | kg | 111. 5 |    |
|       |        |        |                  |    |        |    |

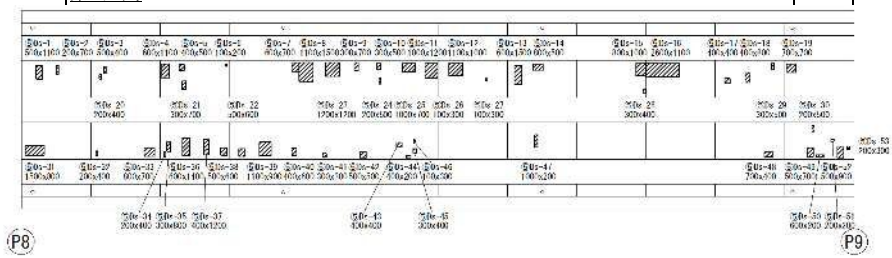
| 項 目    | 計 算 式                                                                                                                                                                                                                                                                                             | 単位 | 数量 |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|
| 樹脂再注入工 | <p>対象箇所断面図<br/>(P7～P10)</p>  <p>対象箇所</p> <p>既設補強鋼板浮き補修詳細図</p>  <p>鋼板削孔 φ5mm</p> <p>橋軸方向に300mmピッチ<br/>浮き1箇所につき2か所以上孔明（電動ドリル）</p> |    |    |



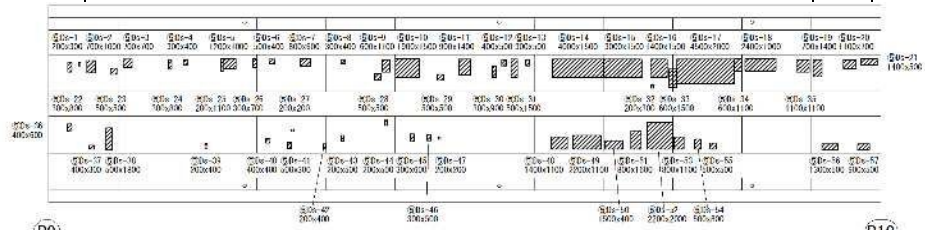
| 項 目                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 計 算 式 | 単位   | 数量     |         |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
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| 第8径間                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       |      |        |         |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |      |        |         |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| P7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       | P8   |        |         |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| <table><tr><th>損傷番号</th><th>長さ(m)</th><th>幅(m)</th><th>面積(m2)</th><th>注入孔(箇所)</th></tr><tr><td>⑤Ds-1</td><td>0.30</td><td>0.10</td><td>0.030</td><td>2</td></tr><tr><td>⑤Ds-2</td><td>0.50</td><td>0.35</td><td>0.175</td><td>2</td></tr><tr><td>⑤Ds-3</td><td>0.20</td><td>0.20</td><td>0.040</td><td>2</td></tr><tr><td>⑤Ds-4</td><td>0.45</td><td>1.10</td><td>0.495</td><td>2</td></tr><tr><td>⑤Ds-5</td><td>0.50</td><td>0.20</td><td>0.100</td><td>2</td></tr><tr><td>⑤Ds-6</td><td>0.30</td><td>0.30</td><td>0.090</td><td>2</td></tr><tr><td>⑤Ds-7</td><td>0.30</td><td>0.60</td><td>0.180</td><td>2</td></tr><tr><td>⑤Ds-8</td><td>0.20</td><td>0.40</td><td>0.080</td><td>2</td></tr><tr><td>⑤Ds-9</td><td>0.30</td><td>0.50</td><td>0.150</td><td>2</td></tr><tr><td>⑤Ds-10</td><td>0.30</td><td>0.50</td><td>0.150</td><td>2</td></tr><tr><td>⑤Ds-11</td><td>0.10</td><td>0.60</td><td>0.060</td><td>2</td></tr><tr><td>⑤Ds-12</td><td>0.50</td><td>0.40</td><td>0.200</td><td>2</td></tr><tr><td>⑤Ds-13</td><td>0.15</td><td>0.50</td><td>0.075</td><td>2</td></tr><tr><td>⑤Ds-14</td><td>0.20</td><td>0.30</td><td>0.060</td><td>2</td></tr><tr><td>⑤Ds-15</td><td>0.30</td><td>1.40</td><td>0.420</td><td>2</td></tr><tr><td>⑤Ds-16</td><td>0.05</td><td>0.15</td><td>0.008</td><td>2</td></tr><tr><td>⑤Ds-17</td><td>0.40</td><td>0.30</td><td>0.120</td><td>2</td></tr><tr><td>⑤Ds-18</td><td>0.05</td><td>0.05</td><td>0.003</td><td>2</td></tr><tr><td>⑤Ds-19</td><td>0.05</td><td>0.05</td><td>0.003</td><td>2</td></tr><tr><td>⑤Ds-20</td><td>0.05</td><td>0.05</td><td>0.003</td><td>2</td></tr><tr><td>⑤Ds-21</td><td>0.30</td><td>0.50</td><td>0.150</td><td>2</td></tr><tr><td>⑤Ds-22</td><td>0.30</td><td>0.80</td><td>0.240</td><td>2</td></tr><tr><td colspan="3">合計</td><td>2.830</td><td>44</td></tr></table> |       |      |        | 損傷番号    | 長さ(m) | 幅(m) | 面積(m2) | 注入孔(箇所) | ⑤Ds-1 | 0.30 | 0.10 | 0.030 | 2 | ⑤Ds-2 | 0.50 | 0.35 | 0.175 | 2 | ⑤Ds-3 | 0.20 | 0.20 | 0.040 | 2 | ⑤Ds-4 | 0.45 | 1.10 | 0.495 | 2 | ⑤Ds-5 | 0.50 | 0.20 | 0.100 | 2 | ⑤Ds-6 | 0.30 | 0.30 | 0.090 | 2 | ⑤Ds-7 | 0.30 | 0.60 | 0.180 | 2 | ⑤Ds-8 | 0.20 | 0.40 | 0.080 | 2 | ⑤Ds-9 | 0.30 | 0.50 | 0.150 | 2 | ⑤Ds-10 | 0.30 | 0.50 | 0.150 | 2 | ⑤Ds-11 | 0.10 | 0.60 | 0.060 | 2 | ⑤Ds-12 | 0.50 | 0.40 | 0.200 | 2 | ⑤Ds-13 | 0.15 | 0.50 | 0.075 | 2 | ⑤Ds-14 | 0.20 | 0.30 | 0.060 | 2 | ⑤Ds-15 | 0.30 | 1.40 | 0.420 | 2 | ⑤Ds-16 | 0.05 | 0.15 | 0.008 | 2 | ⑤Ds-17 | 0.40 | 0.30 | 0.120 | 2 | ⑤Ds-18 | 0.05 | 0.05 | 0.003 | 2 | ⑤Ds-19 | 0.05 | 0.05 | 0.003 | 2 | ⑤Ds-20 | 0.05 | 0.05 | 0.003 | 2 | ⑤Ds-21 | 0.30 | 0.50 | 0.150 | 2 | ⑤Ds-22 | 0.30 | 0.80 | 0.240 | 2 | 合計 |  |  | 2.830 | 44 |
| 損傷番号                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 長さ(m) | 幅(m) | 面積(m2) | 注入孔(箇所) |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.30  | 0.10 | 0.030  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.50  | 0.35 | 0.175  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.20  | 0.20 | 0.040  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.45  | 1.10 | 0.495  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.50  | 0.20 | 0.100  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.30  | 0.30 | 0.090  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.30  | 0.60 | 0.180  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.20  | 0.40 | 0.080  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0.30  | 0.50 | 0.150  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.30  | 0.50 | 0.150  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.10  | 0.60 | 0.060  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.50  | 0.40 | 0.200  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.15  | 0.50 | 0.075  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.20  | 0.30 | 0.060  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.30  | 1.40 | 0.420  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.05  | 0.15 | 0.008  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.40  | 0.30 | 0.120  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.05  | 0.05 | 0.003  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.05  | 0.05 | 0.003  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.05  | 0.05 | 0.003  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.30  | 0.50 | 0.150  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| ⑤Ds-22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0.30  | 0.80 | 0.240  | 2       |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| 合計                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |      | 2.830  | 44      |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| 損傷面積<br>A =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.830 | m2   | 2.830  |         |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |
| 注入孔<br>N =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 44    | 箇所   | 44     |         |       |      |        |         |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |       |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |       |    |

| 項 目    | 計 算 式                     | 単位 | 数量 |
|--------|---------------------------|----|----|
| 第9区間   |                           |    |    |
|        |                           |    |    |
| ⑤Ds-1  | 長さ(m) 幅(m) 面積(m2) 注入孔(箇所) |    |    |
| ⑤Ds-2  |                           |    |    |
| ⑤Ds-3  |                           |    |    |
| ⑤Ds-4  |                           |    |    |
| ⑤Ds-5  |                           |    |    |
| ⑤Ds-6  |                           |    |    |
| ⑤Ds-7  |                           |    |    |
| ⑤Ds-8  |                           |    |    |
| ⑤Ds-9  |                           |    |    |
| ⑤Ds-10 |                           |    |    |
| ⑤Ds-11 |                           |    |    |
| ⑤Ds-12 |                           |    |    |
| ⑤Ds-13 |                           |    |    |
| ⑤Ds-14 |                           |    |    |
| ⑤Ds-15 |                           |    |    |
| ⑤Ds-16 |                           |    |    |
| ⑤Ds-17 |                           |    |    |
| ⑤Ds-18 |                           |    |    |
| ⑤Ds-19 |                           |    |    |
| ⑤Ds-20 |                           |    |    |
| ⑤Ds-21 |                           |    |    |
| ⑤Ds-22 |                           |    |    |
| ⑤Ds-23 |                           |    |    |
| ⑤Ds-24 |                           |    |    |
| ⑤Ds-25 |                           |    |    |
| ⑤Ds-26 |                           |    |    |
| ⑤Ds-27 |                           |    |    |
| ⑤Ds-28 |                           |    |    |
| ⑤Ds-29 |                           |    |    |
| ⑤Ds-30 |                           |    |    |
| ⑤Ds-31 |                           |    |    |

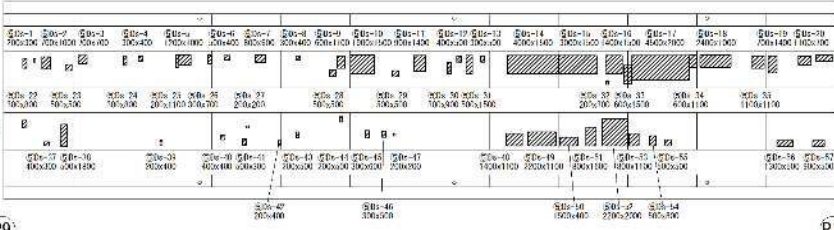
|        |      |      |       |   |
|--------|------|------|-------|---|
| ⑤Ds-32 | 0.20 | 0.40 | 0.080 | 2 |
| ⑤Ds-33 | 0.80 | 0.70 | 0.560 | 3 |
| ⑤Ds-34 | 0.20 | 0.40 | 0.080 | 2 |
| ⑤Ds-35 | 0.30 | 0.80 | 0.240 | 2 |
| ⑤Ds-36 | 0.60 | 1.40 | 0.840 | 2 |
| ⑤Ds-37 | 0.40 | 1.20 | 0.480 | 2 |
| ⑤Ds-38 | 0.50 | 0.60 | 0.300 | 2 |
| ⑤Ds-39 | 1.10 | 0.90 | 0.990 | 4 |
| ⑤Ds-40 | 0.40 | 0.60 | 0.240 | 2 |
| ⑤Ds-41 | 0.30 | 0.30 | 0.090 | 2 |
| ⑤Ds-42 | 0.50 | 0.50 | 0.250 | 2 |
| ⑤Ds-43 | 0.40 | 0.40 | 0.160 | 2 |
| ⑤Ds-44 | 0.40 | 0.20 | 0.080 | 2 |
| ⑤Ds-45 | 0.30 | 0.40 | 0.120 | 2 |

| 項 目                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 計 算 式  | 単位   | 数量     |         |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|--------|---------|--------|---------|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|----|--|--|--------|-----|--|--|
| 第9径間                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |      |        |         |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |      |        |         |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
| <table><thead><tr><th>損傷番号</th><th>長さ(m)</th><th>幅(m)</th><th>面積(m2)</th><th>注入孔(箇所)</th></tr></thead><tbody><tr><td>⑤Ds-46</td><td>0.10</td><td>0.30</td><td>0.030</td><td>2</td></tr><tr><td>⑤Ds-47</td><td>1.00</td><td>0.20</td><td>0.200</td><td>4</td></tr><tr><td>⑤Ds-48</td><td>0.70</td><td>0.40</td><td>0.280</td><td>3</td></tr><tr><td>⑤Ds-49</td><td>0.50</td><td>0.70</td><td>0.350</td><td>2</td></tr><tr><td>⑤Ds-50</td><td>0.60</td><td>0.20</td><td>0.120</td><td>2</td></tr><tr><td>⑤Ds-51</td><td>0.20</td><td>0.20</td><td>0.040</td><td>2</td></tr><tr><td>⑤Ds-52</td><td>0.50</td><td>0.90</td><td>0.450</td><td>2</td></tr><tr><td>⑤Ds-53</td><td>0.20</td><td>0.30</td><td>0.060</td><td>2</td></tr><tr><td colspan="3">合計</td><td>22.930</td><td>135</td></tr></tbody></table> |        | 損傷番号 | 長さ(m)  | 幅(m)    | 面積(m2) | 注入孔(箇所) | ⑤Ds-46 | 0.10 | 0.30 | 0.030 | 2 | ⑤Ds-47 | 1.00 | 0.20 | 0.200 | 4 | ⑤Ds-48 | 0.70 | 0.40 | 0.280 | 3 | ⑤Ds-49 | 0.50 | 0.70 | 0.350 | 2 | ⑤Ds-50 | 0.60 | 0.20 | 0.120 | 2 | ⑤Ds-51 | 0.20 | 0.20 | 0.040 | 2 | ⑤Ds-52 | 0.50 | 0.90 | 0.450 | 2 | ⑤Ds-53 | 0.20 | 0.30 | 0.060 | 2 | 合計 |  |  | 22.930 | 135 |  |  |
| 損傷番号                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 長さ(m)  | 幅(m) | 面積(m2) | 注入孔(箇所) |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
| ⑤Ds-46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.10   | 0.30 | 0.030  | 2       |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
| ⑤Ds-47                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1.00   | 0.20 | 0.200  | 4       |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
| ⑤Ds-48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.70   | 0.40 | 0.280  | 3       |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
| ⑤Ds-49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.50   | 0.70 | 0.350  | 2       |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
| ⑤Ds-50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.60   | 0.20 | 0.120  | 2       |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
| ⑤Ds-51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.20   | 0.20 | 0.040  | 2       |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
| ⑤Ds-52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.50   | 0.90 | 0.450  | 2       |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
| ⑤Ds-53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.20   | 0.30 | 0.060  | 2       |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
| 合計                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |      | 22.930 | 135     |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
| 損傷面積<br>A =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 22.930 | m2   | 22.930 |         |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |
| 注入孔<br>N =                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 135    | 箇所   | 135    |         |        |         |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |    |  |  |        |     |  |  |

第10径間



| 損傷番号   | 長さ(m) | 幅(m) | 面積(m2) | 注入孔(箇所) |
|--------|-------|------|--------|---------|
| ⑤Ds-1  | 0.20  | 0.30 | 0.060  | 2       |
| ⑤Ds-2  | 0.70  | 1.00 | 0.700  | 3       |
| ⑤Ds-3  | 0.70  | 0.70 | 0.490  | 3       |
| ⑤Ds-4  | 0.30  | 0.40 | 0.120  | 2       |
| ⑤Ds-5  | 1.20  | 1.00 | 1.200  | 4       |
| ⑤Ds-6  | 0.50  | 0.40 | 0.200  | 2       |
| ⑤Ds-7  | 0.80  | 0.60 | 0.480  | 3       |
| ⑤Ds-8  | 0.30  | 0.40 | 0.120  | 2       |
| ⑤Ds-9  | 0.60  | 1.10 | 0.660  | 2       |
| ⑤Ds-10 | 1.90  | 1.50 | 2.850  | 7       |
| ⑤Ds-11 | 0.90  | 1.40 | 1.260  | 3       |
| ⑤Ds-12 | 0.40  | 0.50 | 0.200  | 2       |
| ⑤Ds-13 | 0.30  | 0.50 | 0.150  | 2       |
| ⑤Ds-14 | 4.00  | 1.50 | 6.000  | 14      |
| ⑤Ds-15 | 3.00  | 1.50 | 4.500  | 10      |

| 項 目                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 計 算 式 | 単位   | 数量     |         |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--------|---------|-------|------|--------|---------|--------|------|------|-------|---|--------|------|------|-------|----|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|--------|------|------|-------|---|
| 第10径間                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |      |        |         |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |      |        |         |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| <table><tr><th>損傷番号</th><th>長さ(m)</th><th>幅(m)</th><th>面積(m2)</th><th>注入孔(箇所)</th></tr><tr><td>⑤Ds-16</td><td>1.40</td><td>1.50</td><td>2.100</td><td>5</td></tr><tr><td>⑤Ds-17</td><td>4.50</td><td>2.00</td><td>9.000</td><td>15</td></tr><tr><td>⑤Ds-18</td><td>2.40</td><td>1.00</td><td>2.400</td><td>8</td></tr><tr><td>⑤Ds-19</td><td>0.70</td><td>1.40</td><td>0.980</td><td>3</td></tr><tr><td>⑤Ds-20</td><td>1.10</td><td>0.70</td><td>0.770</td><td>4</td></tr><tr><td>⑤Ds-21</td><td>1.40</td><td>0.50</td><td>0.700</td><td>5</td></tr><tr><td>⑤Ds-22</td><td>0.30</td><td>0.80</td><td>0.240</td><td>2</td></tr><tr><td>⑤Ds-23</td><td>0.50</td><td>0.50</td><td>0.250</td><td>2</td></tr><tr><td>⑤Ds-24</td><td>0.30</td><td>0.80</td><td>0.240</td><td>2</td></tr><tr><td>⑤Ds-25</td><td>0.20</td><td>1.10</td><td>0.220</td><td>2</td></tr><tr><td>⑤Ds-26</td><td>0.30</td><td>0.70</td><td>0.210</td><td>2</td></tr><tr><td>⑤Ds-27</td><td>0.20</td><td>0.20</td><td>0.040</td><td>2</td></tr><tr><td>⑤Ds-28</td><td>0.50</td><td>0.50</td><td>0.250</td><td>2</td></tr><tr><td>⑤Ds-29</td><td>0.50</td><td>0.50</td><td>0.250</td><td>2</td></tr><tr><td>⑤Ds-30</td><td>0.30</td><td>0.90</td><td>0.270</td><td>2</td></tr><tr><td>⑤Ds-31</td><td>0.50</td><td>1.50</td><td>0.750</td><td>2</td></tr><tr><td>⑤Ds-32</td><td>0.20</td><td>0.30</td><td>0.060</td><td>2</td></tr><tr><td>⑤Ds-33</td><td>0.60</td><td>1.50</td><td>0.900</td><td>2</td></tr><tr><td>⑤Ds-34</td><td>0.60</td><td>1.10</td><td>0.660</td><td>2</td></tr><tr><td>⑤Ds-35</td><td>1.10</td><td>1.10</td><td>1.210</td><td>4</td></tr><tr><td>⑤Ds-36</td><td>0.40</td><td>0.60</td><td>0.240</td><td>2</td></tr><tr><td>⑤Ds-37</td><td>0.40</td><td>0.30</td><td>0.120</td><td>2</td></tr><tr><td>⑤Ds-38</td><td>0.50</td><td>1.80</td><td>0.900</td><td>2</td></tr><tr><td>⑤Ds-39</td><td>0.20</td><td>0.40</td><td>0.080</td><td>2</td></tr><tr><td>⑤Ds-40</td><td>0.40</td><td>0.40</td><td>0.160</td><td>2</td></tr><tr><td>⑤Ds-41</td><td>0.50</td><td>0.30</td><td>0.150</td><td>2</td></tr><tr><td>⑤Ds-42</td><td>0.20</td><td>0.40</td><td>0.080</td><td>2</td></tr><tr><td>⑤Ds-43</td><td>0.20</td><td>0.50</td><td>0.100</td><td>2</td></tr><tr><td>⑤Ds-44</td><td>0.20</td><td>0.50</td><td>0.100</td><td>2</td></tr><tr><td>⑤Ds-45</td><td>0.30</td><td>0.60</td><td>0.180</td><td>2</td></tr><tr><td>⑤Ds-46</td><td>0.30</td><td>0.50</td><td>0.150</td><td>2</td></tr></table> |       |      |        | 損傷番号    | 長さ(m) | 幅(m) | 面積(m2) | 注入孔(箇所) | ⑤Ds-16 | 1.40 | 1.50 | 2.100 | 5 | ⑤Ds-17 | 4.50 | 2.00 | 9.000 | 15 | ⑤Ds-18 | 2.40 | 1.00 | 2.400 | 8 | ⑤Ds-19 | 0.70 | 1.40 | 0.980 | 3 | ⑤Ds-20 | 1.10 | 0.70 | 0.770 | 4 | ⑤Ds-21 | 1.40 | 0.50 | 0.700 | 5 | ⑤Ds-22 | 0.30 | 0.80 | 0.240 | 2 | ⑤Ds-23 | 0.50 | 0.50 | 0.250 | 2 | ⑤Ds-24 | 0.30 | 0.80 | 0.240 | 2 | ⑤Ds-25 | 0.20 | 1.10 | 0.220 | 2 | ⑤Ds-26 | 0.30 | 0.70 | 0.210 | 2 | ⑤Ds-27 | 0.20 | 0.20 | 0.040 | 2 | ⑤Ds-28 | 0.50 | 0.50 | 0.250 | 2 | ⑤Ds-29 | 0.50 | 0.50 | 0.250 | 2 | ⑤Ds-30 | 0.30 | 0.90 | 0.270 | 2 | ⑤Ds-31 | 0.50 | 1.50 | 0.750 | 2 | ⑤Ds-32 | 0.20 | 0.30 | 0.060 | 2 | ⑤Ds-33 | 0.60 | 1.50 | 0.900 | 2 | ⑤Ds-34 | 0.60 | 1.10 | 0.660 | 2 | ⑤Ds-35 | 1.10 | 1.10 | 1.210 | 4 | ⑤Ds-36 | 0.40 | 0.60 | 0.240 | 2 | ⑤Ds-37 | 0.40 | 0.30 | 0.120 | 2 | ⑤Ds-38 | 0.50 | 1.80 | 0.900 | 2 | ⑤Ds-39 | 0.20 | 0.40 | 0.080 | 2 | ⑤Ds-40 | 0.40 | 0.40 | 0.160 | 2 | ⑤Ds-41 | 0.50 | 0.30 | 0.150 | 2 | ⑤Ds-42 | 0.20 | 0.40 | 0.080 | 2 | ⑤Ds-43 | 0.20 | 0.50 | 0.100 | 2 | ⑤Ds-44 | 0.20 | 0.50 | 0.100 | 2 | ⑤Ds-45 | 0.30 | 0.60 | 0.180 | 2 | ⑤Ds-46 | 0.30 | 0.50 | 0.150 | 2 |
| 損傷番号                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 長さ(m) | 幅(m) | 面積(m2) | 注入孔(箇所) |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.40  | 1.50 | 2.100  | 5       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4.50  | 2.00 | 9.000  | 15      |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2.40  | 1.00 | 2.400  | 8       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-19                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.70  | 1.40 | 0.980  | 3       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.10  | 0.70 | 0.770  | 4       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.40  | 0.50 | 0.700  | 5       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.30  | 0.80 | 0.240  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.50  | 0.50 | 0.250  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.30  | 0.80 | 0.240  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.20  | 1.10 | 0.220  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-26                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.30  | 0.70 | 0.210  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-27                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.20  | 0.20 | 0.040  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.50  | 0.50 | 0.250  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-29                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.50  | 0.50 | 0.250  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.30  | 0.90 | 0.270  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.50  | 1.50 | 0.750  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-32                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.20  | 0.30 | 0.060  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-33                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.60  | 1.50 | 0.900  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.60  | 1.10 | 0.660  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.10  | 1.10 | 1.210  | 4       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.40  | 0.60 | 0.240  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-37                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.40  | 0.30 | 0.120  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.50  | 1.80 | 0.900  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.20  | 0.40 | 0.080  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.40  | 0.40 | 0.160  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.50  | 0.30 | 0.150  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.20  | 0.40 | 0.080  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.20  | 0.50 | 0.100  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.20  | 0.50 | 0.100  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.30  | 0.60 | 0.180  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |
| ⑤Ds-46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.30  | 0.50 | 0.150  | 2       |       |      |        |         |        |      |      |       |   |        |      |      |       |    |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |        |      |      |       |   |

|        |      |      |        |     |
|--------|------|------|--------|-----|
| ⑤Ds-47 | 0.20 | 0.20 | 0.040  | 2   |
| ⑤Ds-48 | 1.40 | 1.10 | 1.540  | 5   |
| ⑤Ds-49 | 2.20 | 1.10 | 2.420  | 8   |
| ⑤Ds-50 | 1.50 | 0.40 | 0.600  | 5   |
| ⑤Ds-51 | 0.80 | 1.60 | 1.280  | 3   |
| ⑤Ds-52 | 2.20 | 2.00 | 4.400  | 8   |
| ⑤Ds-53 | 0.80 | 1.10 | 0.880  | 3   |
| ⑤Ds-54 | 0.50 | 0.80 | 0.400  | 2   |
| ⑤Ds-55 | 0.50 | 0.50 | 0.250  | 2   |
| ⑤Ds-56 | 1.30 | 0.50 | 0.650  | 5   |
| ⑤Ds-57 | 0.90 | 0.50 | 0.450  | 3   |
| 合計     |      |      | 55.660 | 199 |

|             |        |    |        |
|-------------|--------|----|--------|
| 損傷面積<br>A = | 55.660 | m2 | 55.660 |
| 注入孔<br>N =  | 199    | 箇所 | 199    |

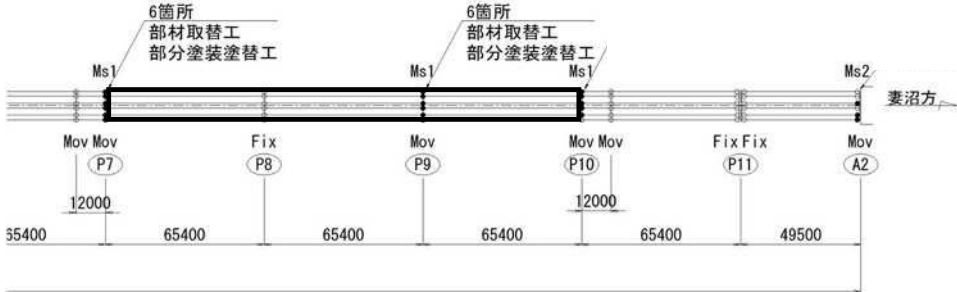
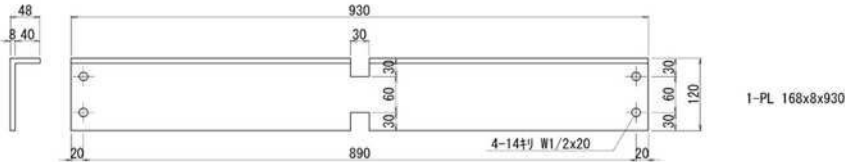
|    |                                   |        |    |        |  |
|----|-----------------------------------|--------|----|--------|--|
| 合計 | 1橋あたり                             |        |    |        |  |
|    | 損傷面積 合計                           |        |    |        |  |
|    | ΣA =                              | 81.420 | m2 | 81.420 |  |
|    |                                   |        |    |        |  |
|    | 注入孔 合計                            |        |    |        |  |
|    | ΣN =                              | 378    | 箇所 | 378    |  |
|    |                                   |        |    |        |  |
|    | 低圧注入器具                            | 378    | 本  | 378    |  |
|    | シーリング材使用料（エポキシ樹脂） #101（10kg／セット）  |        |    |        |  |
|    | 0.12 kg/m2 × 81.42 =              | 9.8    | kg | 9.8    |  |
|    | シーリング材注入材（エポキシ樹脂） BLグラウト（5kg／セット） |        |    |        |  |
|    | 1.37 kg/m2 × 81.42 =              | 111.5  | kg | 111.5  |  |



数量総括表  
刀水橋 支承補修工

| 工種    | 種別      | 細別  | 規格      | 単位 | 数量   | 摘要 |
|-------|---------|-----|---------|----|------|----|
| 部材取替工 |         |     |         |    |      |    |
|       | ローラーカバー | Ms1 | SS400   | 枚  | 12.0 |    |
|       |         |     | 合計      | 枚  | 12.0 |    |
|       |         |     |         |    |      |    |
| 再塗装工  |         |     |         |    |      |    |
|       | ローラー    | P7  | Rc-Ⅲ塗装系 | m2 | 2.3  |    |
|       |         | P9  | 〃       | m2 | 2.3  |    |
|       |         |     | 合計      | m2 | 4.6  |    |
|       |         |     |         |    |      |    |

数量計算書  
刀水橋 支承補修工

| 項 目     | 計 算 式                                                                                | 単位 | 数量      |
|---------|--------------------------------------------------------------------------------------|----|---------|
| 部材取替工   |                                                                                      |    |         |
| ローラーカバー |                                                                                      |    |         |
| Ms1     | SS400、7850kg/m3                                                                      |    |         |
|         | N = 設計図面より = 12 枚                                                                    |    |         |
|         | V = 0.900 x 0.168 x 0.008                                                            |    |         |
|         | + 0.030 x 0.060 x 0.008 = 0.001                                                      |    |         |
|         | W = 0.001 x 7850 = 9.608 kg                                                          |    |         |
| 合計      | W = 9.608 x 12 = 115.30 kg                                                           |    | 115.300 |
|         | 沓配置図                                                                                 |    |         |
|         |   |    |         |
|         | ローラーカバー詳細図                                                                           |    |         |
|         | 可動沓Ms1 ローラーカバー S=1:5                                                                 |    |         |
|         |  |    |         |

数量計算書  
刀水橋 支承補修工

| 項 目                   | 計 算 式                                                                                                                                                                                                   | 単位                      | 数量                           |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------|
| 支承補修工<br>再塗装工<br>ローラー | 1-Roller-φ130x960<br>$A = 0.13 \times \pi \times 0.45 \times 2$ $+ 0.05 \times \pi \times 0.02 \times 2$ $+ 0.09 \times \pi \times 0.03 \times 1$ P7<br>$A1 = 0.38 \times 6$ P9<br>$A2 = 0.38 \times 6$ | m2<br>m2<br>m2<br>合計 m2 | 0.38<br>2.28<br>2.28<br>4.56 |
| 配置図                   |                                                                                                                                                                                                         |                         |                              |
|                       |                                                                                                                                                                                                         |                         |                              |
|                       |                                                                                                                                                                                                         |                         |                              |

数量総括表  
刀水橋 排水施設補修工

上部工排水装置補修工鋼材外数量総括表

| 名称           | 記号   | サイズ        | 単位             | 各橋脚へ   |         |         |        |         | 備考     |
|--------------|------|------------|----------------|--------|---------|---------|--------|---------|--------|
|              |      |            |                | P7橋脚   | P8橋脚    | P9橋脚    | P10橋脚  | 合計      |        |
| 直管延長         | V.P  | 200A       | m              | 69.874 | 107.854 | 109.404 | 58.326 | 345.458 | 全延長    |
|              |      | 200A       | "              | 32.978 | 59.173  | 54.184  | 38.978 | 185.313 | スリーブあり |
|              |      | 200A       | "              | 36.896 | 48.681  | 55.220  | 19.348 | 160.145 | スリーブなし |
|              |      | 125A       | "              | -      | 0.600   | -       | -      | 0.600   |        |
|              |      |            |                |        |         |         |        |         |        |
| 加工管          | T1   | VP125A     | 個              | 2      | 4       | 4       | 2      | 12      | SC含む   |
|              | Y1   | "          | "              | -      | 1       | -       | -      | 1       |        |
|              | Y2   | "          | "              | -      | 1       | -       | -      | 1       |        |
| 樹脂フレキシブルチューブ | -    | 25A        | "              | 4.700  | 1.700   | 1.600   | 2.500  | 10.500  |        |
| 支持金具         | S1   | 200A用      | "              | 6      | 10      | 10      | 2      | 28      |        |
|              | S2-1 | 125A用      | "              | 2      | 4       | 4       | 2      | 12      |        |
|              | B1   | 125A用      | "              | 4      | 8       | 8       | 4      | 24      |        |
|              | B3   | 200A用      | "              | 32     | 42      | 46      | 36     | 156     |        |
|              |      |            |                |        |         |         |        |         |        |
| 伸縮管          | EX1  | 200A用      | "              | 2      | 4       | 4       | 2      | 12      |        |
| L型排水管ジョイント   | LJ   | "          | "              | 2      | 4       | 4       | 2      | 12      |        |
| T型排水管ジョイント   | TJ   | "          | "              | 2      | -       | 2       | 2      | 6       |        |
| インクリーザー      | IN   | 200A-125A用 | "              | 4      | 6       | 6       | 4      | 20      |        |
| ケレン面積        | -    | 200A-125A用 | m <sup>2</sup> | 0.330  | 0.480   | 0.510   | 0.360  | 1.680   |        |
| 塗装面積         | -    | 200A-125A用 | "              | 0.330  | 0.480   | 0.510   | 0.360  | 1.680   |        |
| 流心延長         | V.P  | 200A       | m              | 56.125 | 89.162  | 86.980  | 64.333 | 296.600 |        |
| 撤去排水管延長      | SGP  | 125A       | m              | 4.698  | 14.694  | 14.094  | 4.998  | 38.484  |        |
| 現場溶接工        | -    | -          | m              | 8.800  | 12.800  | 13.600  | 9.600  | 44.800  |        |

1) 直管延長  
＜V200A＞            : 下二重線箇所はスリーブあり

**P7**  
L側

$$\begin{aligned} L &= 4.000 + \underline{\underline{3 \times 4.000}} + \underline{\underline{3.000}} + 3.000 \\ &\quad + \underline{\underline{1.489}} + 1.262 + 1.302 + 0.629 = 26.682 \text{ m} \\ \text{スリーブあり} &= 16.489 \text{ m} \end{aligned}$$

R側

$$\begin{aligned} L &= 4.000 + \underline{\underline{3 \times 4.000}} + \underline{\underline{3.000}} + 3.000 \\ &\quad + \underline{\underline{1.489}} + 1.282 + 1.303 + 0.629 = 26.703 \text{ m} \\ \text{スリーブあり} &= 16.489 \text{ m} \end{aligned}$$

---

$$\begin{aligned} \text{合計} &= 69.874 \text{ m} \\ \text{スリーブあり} &= 32.978 \text{ m} \end{aligned}$$

**P8**  
L側

$$\begin{aligned} L &= 4.000 + \underline{\underline{3 \times 4.000}} + \underline{\underline{2.183}} + 1.557 \\ &\quad + 4.000 + \underline{\underline{3 \times 4.000}} + \underline{\underline{3.384}} = 39.124 \text{ m} \\ \text{スリーブあり} &= 29.567 \text{ m} \end{aligned}$$

R側

$$\begin{aligned} L &= 4.000 + \underline{\underline{3 \times 4.000}} + \underline{\underline{2.203}} + 1.557 \\ L &= 4.000 + \underline{\underline{3 \times 4.000}} + \underline{\underline{3.403}} = 39.163 \text{ m} \\ \text{スリーブあり} &= 29.606 \text{ m} \end{aligned}$$

---

$$\begin{aligned} \text{合計} &= 107.854 \text{ m} \\ \text{スリーブあり} &= 59.173 \end{aligned}$$

**P9**

L側

$$L = 4.000 + \frac{3 \times 4.000}{2} + \frac{3.000}{2} + \frac{1.489}{2} + 2.861 + 0.563 + 1.417$$

$$L = 4.000 + \frac{2 \times 4.000}{2} + \frac{1.781}{2} + \frac{1.624}{2} = 40.735 \text{ m}$$

$$\text{スリーブあり} = 27.894 \text{ m}$$

R側

$$L = 4.000 + \frac{3 \times 4.000}{2} + \frac{3.000}{2} + \frac{1.489}{2} + 2.881 + 0.563 + 1.418$$

$$L = 4.000 + \frac{2 \times 4.000}{2} + \frac{1.801}{2} + 1.623 = 40.775 \text{ m}$$

$$\text{スリーブあり} = 26.290 \text{ m}$$

$$\text{合計} = 109.404 \text{ m}$$

$$\text{スリーブあり} = 54.184$$

**P10**

L側

$$L = 2 \times 4.000 + \frac{3 \times 4.000}{2} + \frac{2 \times 3.000}{2} + \frac{1.489}{2} + 1.664 = 29.153 \text{ m}$$

$$\text{スリーブあり} = 19.489 \text{ m}$$

R側

$$L = 2 \times 4.000 + \frac{3 \times 4.000}{2} + \frac{2 \times 3.000}{2} + \frac{1.489}{2} + 1.684 = 29.173 \text{ m}$$

$$\text{スリーブあり} = 19.489 \text{ m}$$

---


$$\text{合計} = 58.326 \text{ m}$$

$$\text{スリーブあり} = 38.978 \text{ m}$$

$$\text{直管延長<200A>合計} \quad \Sigma L = 345.458 \text{ m}$$

$$\text{スリーブあり} = 185.313 \text{ m}$$

## &lt;V125A&gt;

**P8**

L側

$$L = 1 \times 0.300 = 0.300 \text{ m}$$

R側

$$L = 1 \times 0.300 = 0.300 \text{ m}$$

$$\text{合計} = 0.600 \text{ m}$$

$$\text{直管延長<125A>合計} \quad \Sigma L = 0.600 \text{ m}$$

2) 樹脂フレキシブルチューブ長

<25A>

P7

L側

$$L = 2.000 + 0.800 = 2.800 \text{ m}$$

R側

$$L = 1.900 = 1.900 \text{ m}$$

$$\text{合計} = 4.700 \text{ m}$$

P8

L側

$$L = 0.900 + 0.800 = 1.700 \text{ m}$$

P9

L側

$$L = 0.800 + 0.800 = 1.600 \text{ m}$$

P10

L側

$$L = 0.800 = 0.800 \text{ m}$$

R側

$$L = 1.700 = 1.700 \text{ m}$$

$$\text{合計} = 2.500 \text{ m}$$

$$\text{樹脂フレキシブルチューブ} \quad \Sigma L = 10.500 \text{ m}$$

3) 流心延長

P7

L側

$$L = 0.412 + 0.999 + 0.250 + 20.009 + 4.582 + 1.801 = 28.053 \text{ m}$$

R側

$$L = 0.412 + 0.999 + 0.250 + 20.009 + 4.602 + 1.800 = 28.072 \text{ m}$$

$$\text{合計} = 56.125 \text{ m}$$

P8

L側

$$L = 0.412 + 0.250 + 17.988 + 2.055 = 20.705 \text{ m}$$

$$L = 0.412 + 1.248 + 0.250 + 19.189 + 0.820 + 1.957 = 23.876 \text{ m}$$

R側

$$L = 0.412 + 0.250 + 18.008 + 2.055 = 20.725 \text{ m}$$

$$L = 0.412 + 1.248 + 0.250 + 19.189 + 0.800 + 1.957 = 23.856 \text{ m}$$

$$\text{合計} = 89.162 \text{ m}$$

P9  
L側

$$\begin{aligned} L &= 0.412 + 0.933 + 0.250 + 20.009 + 3.381 \\ &\quad + 1.915 &= 26.900 \text{ m} \end{aligned}$$

$$\begin{aligned} L &= 0.412 + 0.250 + 13.786 + 2.122 &= 16.570 \text{ m} \end{aligned}$$

R側

$$\begin{aligned} L &= 0.412 + 0.933 + 0.250 + 20.009 + 3.401 \\ &\quad + 1.916 &= 26.921 \text{ m} \end{aligned}$$

$$L = 0.412 + 0.250 + 13.806 + 2.121 = 16.589 \text{ m}$$

---

$$\text{合計} = 86.980 \text{ m}$$

P10  
L側

$$\begin{aligned} L &= 0.412 + 0.920 + 0.250 + 20.009 + 8.784 \\ &\quad + 1.782 &= 32.157 \text{ m} \end{aligned}$$

R側

$$\begin{aligned} L &= 0.412 + 0.920 + 0.250 + 20.009 + 8.804 \\ &\quad + 1.781 &= 32.176 \text{ m} \end{aligned}$$

---

$$\text{合計} = 64.333 \text{ m}$$

$$\text{流心延長合計} \quad \Sigma L = 296.600 \text{ m}$$



4) 撤去排水管延長

P7

L側

$$L = 1 \times 2.349 = 2.349 \text{ m}$$

R側

$$L = 1 \times 2.349 = 2.349 \text{ m}$$

---


$$\text{合計} = 4.698 \text{ m}$$

P8

L側

$$L = 2.349 = 2.349 \text{ m}$$

$$L = 2.649 + 2.349 = 4.998 \text{ m}$$

R側

$$L = 2.349 = 2.349 \text{ m}$$

$$L = 2.649 + 2.349 = 4.998 \text{ m}$$

---


$$\text{合計} = 14.694 \text{ m}$$

P9

L側

$$L = 2 \times 2.349 = 4.698 \text{ m}$$

$$L = 2.349 = 2.349 \text{ m}$$

R側

$$L = 2 \times 2.349 = 4.698 \text{ m}$$

$$L = 2.349 = 2.349 \text{ m}$$

---


$$\text{合計} = 14.094 \text{ m}$$

P10

L側

$$L = 1 \times 2.349 = 2.349 \text{ m}$$

R側

$$L = 1 \times 2.649 = 2.649 \text{ m}$$

---


$$\text{合計} = 4.998 \text{ m}$$

$$\text{撤去排水管延長} \quad \Sigma L = 38.484 \text{ m}$$

5) 新設排水金具設置部ケレン面積

P7

$$A = 44 \times 0.150 \times 0.050 = 0.330 \text{ m}^2$$

P8

$$A = 64 \times 0.150 \times 0.050 = 0.480 \text{ m}^2$$

P9

$$A = 68 \times 0.150 \times 0.050 = 0.510 \text{ m}^2$$

P10

$$A = 48 \times 0.150 \times 0.050 = 0.360 \text{ m}^2$$

---


$$\text{ケレン面積合計} \quad \Sigma A = 1.680 \text{ m}^2$$

6) 新設排水金具設置部塗装面積

P7

$$A = 44 \times 0.150 \times 0.050 = 0.330 \text{ m}^2$$

P8

$$A = 64 \times 0.150 \times 0.050 = 0.480 \text{ m}^2$$

P9

$$A = 68 \times 0.150 \times 0.050 = 0.510 \text{ m}^2$$

P10

$$A = 48 \times 0.150 \times 0.050 = 0.360 \text{ m}^2$$

---


$$\text{塗装面積 合計} \quad \Sigma A = 1.680 \text{ m}^2$$

7) 現場溶接工

P7

$$A = 44 \times 0.200 = 8.800 \text{ m}$$

P8

$$A = 64 \times 0.200 = 12.800 \text{ m}$$

P9

$$A = 68 \times 0.200 = 13.600 \text{ m}$$

P10

$$A = 48 \times 0.200 = 9.600 \text{ m}$$

---


$$\text{現場溶接工 総延長} \quad \Sigma L = 44.800 \text{ m}$$

数量総括表  
刀水橋 排水施設補修工

下部工排水装置補修工鋼材外数量総括表

| 名称         | 記号    | サイズ      | 単位 |        |        |        |        |         | 備考     |
|------------|-------|----------|----|--------|--------|--------|--------|---------|--------|
|            |       |          |    | P7橋脚   | P8橋脚   | P9橋脚   | P10橋脚  | 合計      |        |
| 直管延長       | V.P   | 200A     | m  | 22.900 | 39.648 | 36.558 | 9.411  | 108.517 | 全延長    |
|            | V.P   | 200A     | 〃  | 12.216 | 24.704 | 22.576 | 9.411  | 68.907  | スリーブあり |
|            | V.P   | 200A     | 〃  | 10.684 | 14.944 | 13.982 | 0.000  | 39.610  | スリーブなし |
| 加工管        | L5    | VP200A   | 個  | 1      | -      | -      | -      | 1       |        |
|            | Y6    | 〃        | 〃  | -      | 1      | 1      | 0      | 2       |        |
| 支持金具       | S6    | 200A用    | 〃  | 16     | 28     | 26     | 5      | 75      |        |
|            | S8    | 〃        | 〃  | -      | -      | 1      | 0      | 1       |        |
|            | S12   | 〃        | 〃  | 1      | 2      | 2      | 0      | 5       |        |
|            | S25   | 〃        | 〃  | 1      | 1      | 1      | 0      | 3       |        |
|            | S26   | 〃        | 〃  | 1      | 1      | 1      | 0      | 3       |        |
| L型排水管ジョイント | LJ    | 〃        | 〃  | 4      | 6      | 7      | 0      | 17      |        |
| T型排水管ジョイント | TL    | 〃        | 〃  | 1      | 2      | 2      | 1      | 6       |        |
| 45° エルボ    | EL    | 〃        | 〃  | -      | -      | 1      | 0      | 1       |        |
| アンカーボルト    | ANCBN | M16x100  | ヶ  | 38     | 64     | 62     | 10     | 174     |        |
|            | -     | 500x1200 | m  | 2      | 2      | -      | -      | 4       |        |
| 流心延長       | V.P   | 200A     | m  | 28.168 | 46.077 | 43.760 | 16.424 | 134.429 |        |

1) 直管延長  
〈V200A〉 \_\_\_\_\_ : 下二重線箇所はスリーブあり

P7橋脚

$$\begin{aligned} L &= 4.000 + \underline{2 \times 4.000} + \underline{0.740} + \underline{1.411} + 0.260 \\ &+ 4.000 + 2.424 + \underline{2.065} = 22.900 \text{ m} \\ \underline{\text{スリーブあり}} &= \underline{12.216 \text{ m}} \end{aligned}$$

P8橋脚

$$\begin{aligned} L &= 4.000 + \underline{2 \times 4.000} + \underline{0.740} + \underline{1.137} + \underline{1.411} \\ &+ 0.260 \\ L &= 4.000 + \underline{2 \times 4.000} + \underline{0.740} + \underline{1.137} + \underline{1.411} \\ &+ 0.260 \\ L &= 4.000 + 2.424 + \underline{2.128} = 39.648 \text{ m} \\ \underline{\text{スリーブあり}} &= \underline{24.704 \text{ m}} \end{aligned}$$

P9橋脚

$$\begin{aligned} L &= 4.000 + \underline{2 \times 4.000} + \underline{0.740} + \underline{1.137} + \underline{1.411} \\ &+ 0.260 \\ L &= 4.000 + \underline{2 \times 4.000} + \underline{0.740} + \underline{1.137} + \underline{1.411} \\ &+ 0.260 \\ L &= 2.424 + 2.638 + 0.400 = 36.558 \text{ m} \\ \underline{\text{スリーブあり}} &= \underline{22.576 \text{ m}} \end{aligned}$$

P10橋脚

$$\begin{aligned} L &= \underline{2 \times 4.000} + \underline{1.411} = 9.411 \text{ m} \\ \underline{\text{スリーブあり}} &= \underline{9.411 \text{ m}} \end{aligned}$$

$$\begin{aligned} \text{直管延長〈200A〉合計} \quad \Sigma L &= 108.517 \text{ m} \\ \underline{\text{スリーブあり}} &= \underline{68.907 \text{ m}} \end{aligned}$$

## 2) 流心延長

### P7橋脚

$$L = 1.000 + 1.397 + 13.246 + 0.781 = 16.424 \text{ m}$$

$$L = 1.422 + 1.253 + 2.944 + 6.125 = 11.744 \text{ m}$$

### P8橋脚

$$L = 1.000 + 1.397 + 13.246 + 0.781 = 16.424 \text{ m}$$

$$L = 1.000 + 1.397 + 13.246 + 0.781 = 16.424 \text{ m}$$

$$L = 1.422 + 1.422 + 1.253 + 2.944 + 6.188 = 13.229 \text{ m}$$

### P9橋脚

$$L = 1.000 + 1.397 + 13.246 + 0.781 = 16.424 \text{ m}$$

$$L = 1.000 + 1.397 + 13.246 + 0.781 = 16.424 \text{ m}$$

$$L = 1.422 + 1.422 + 1.253 + 2.944 + 3.158 + 0.713 = 10.912 \text{ m}$$

### P10橋脚

$$L = 1.000 + 1.397 + 13.246 + 0.781 = 16.424 \text{ m}$$

$$\text{流心延長合計} \quad \Sigma L = 134.429 \text{ m}$$

刀水橋 排水施設補修工

| 項目                          | 計 算 式                                                                                                                                    | 単位 | 数量   |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----|------|
| <b>【配置図】</b>                |                                                                                                                                          |    |      |
|                             |                                                                                                                                          |    |      |
| 排水管補修工<br>ふとんかご設置工<br>(2箇所) | スロープ式 パネルタイプ13×15×120cm<br>割栗石 150mm～200mm                                                                                               | m  | 4.0  |
| 浸透桧設置工<br>(1基)              | 床堀<br>土砂<br>平均施工幅 1m以上2m未満<br>土留方式なし、障害なし<br><br>プレキャスト集水桧<br>据付<br>製品質量 200kgを超え400kg以下<br>基礎砕石 有り<br><br>材料(浸透角桧600用 1基分)      P9 : 1基 | m3 | 1.81 |
|                             | グレーチング T-14                                                                                                                              | 組  | 1    |
|                             | EMBX用縁塊 RBX-600E, H=100, W=55kg                                                                                                          | 個  | 1    |
|                             | EMBX用側塊 RBX-600I, H=300, W=120kg                                                                                                         | 個  | 1    |
|                             | 浸透ポリコン角桧 EMBX-600 (上), H=400, W=161kg                                                                                                    | 個  | 1    |
|                             | 浸透ポリコン角桧 EMBX-600 (下), H=400, W=161kg                                                                                                    | 個  | 1    |
|                             | 浸透角桧用底塊リング RLBX-600, W=137kg                                                                                                             | 個  | 1    |
|                             | 浸透底塊フィルター E-390×195 全ポリコン、W=14kg                                                                                                         | 個  | 1    |
|                             | 透水シート 1m×50m巻き #300 (50m巻き／本)                                                                                                            | 巻  | 1    |

数量計算書  
刀水橋 排水施設補修工

| 項 目                | 計 算 式                                                      | 単位 | 数量    |
|--------------------|------------------------------------------------------------|----|-------|
|                    | 【配置図】                                                      |    |       |
|                    |                                                            |    |       |
| 排水管補修工<br>油水分離樹設置工 | 掘削<br>土砂<br>小規模施工                                          | m3 | 75.70 |
|                    | 埋戻し<br>土砂<br>小規模施工                                         | m3 | 46.1  |
|                    | コンクリート<br>無筋・鉄筋構造物<br>バックホウ（クレーン機能付き）打設<br>18-8-25（高炉）一般養生 | m3 | 0.77  |
|                    | 型枠<br>一般型枠<br>鉄筋・無筋構造物                                     | m2 | 1.24  |
| 油水分離樹材料            | 材料（油水分離樹OP-G-LL） P9：1基                                     |    |       |
|                    | A1ブロック 4300×1500×600 2093kg                                | 個  | 1     |
|                    | A2ブロック 4300×1500×600 2093kg                                | 個  | 1     |
|                    | B1ブロック 4300×1500×400 1395kg                                | 個  | 1     |
|                    | C1ブロック 4300×1500×330 2415kg                                | 個  | 1     |
|                    | 越流管 VUφ200 90° 曲管                                          | 個  | 4     |
|                    | 越流管 VUφ200 直管                                              | 本  | 1     |
|                    | 開閉式縞鋼板蓋 1380×690×4.5（フック付） 46.3kg                          | 個  | 3     |
|                    | 専用受枠 1380×1380 37.0kg                                      |    |       |
|                    | 南京錠                                                        | 本  | 3     |
|                    | 仕切板 PL-1291×600×3.2 計23.0kg                                | 枚  | 1     |
|                    | 仕切板 PL-1291×550×3.2 計21.3kg                                | 枚  | 1     |
|                    | 仕切板 PL-1291×230×3.2 計10.8kg                                | 枚  | 1     |
|                    | アングル 50×50×4 L=600 計3.7kg                                  | 本  | 2     |

|        |                      |   |    |
|--------|----------------------|---|----|
| アングル   | 50×50×4 L=550 計3.4kg | 本 | 2  |
| アングル   | 50×50×4 L=230 計1.4kg | 本 | 2  |
| 固定ボルト  | M16×30               | 本 | 28 |
| 固定ナット  | M16用                 | 本 | 16 |
| ワッシャー  | M16用                 | 枚 | 44 |
| コーキング材 | (変性シリコーン系) 333ml     | 本 | 18 |
| 鉄筋D16  | L=1700               | 本 | 8  |



数量計算書  
刀水橋 仮設工

| 項 目    | 計 算 式                                     | 単位  | 数量     |
|--------|-------------------------------------------|-----|--------|
| 上部工吊足場 | 第8径間 (P7ーP8)                              |     |        |
|        | A8 = 18.0 × 63.03 = 1134.5                | m2  | 1134.5 |
|        | 第9径間 (P8ーP9)                              |     |        |
|        | A9 = 18.0 × 63.03 = 1134.5                | m2  | 1134.5 |
|        | 第10径間 (P9ーP10)                            |     |        |
| 枠組足場   | A10 = 18.0 × 63.03 = 1134.5               | m2  | 1134.5 |
|        | 合計                                        | m2  | 3403.5 |
| 橋脚回り足場 | P9橋脚                                      |     |        |
|        | A6 = ( 15.3 × 2 + 5.4 × 2 ) × 3.8 = 155.3 | 掛m2 | 155.3  |
|        | P10橋脚                                     |     |        |
|        | A7 = ( 15.3 × 2 + 4.7 × 2 ) × 3.8 = 150.0 | 掛m2 | 150.0  |
|        | 合計                                        | 掛m2 | 305.3  |
| 橋脚回り足場 | P7橋脚                                      |     |        |
|        | A3 = 18.4 × 6.0 - 15.4 × 3.0 = 64.2       | m2  | 64.2   |
|        | P8橋脚                                      |     |        |
|        | A4 = 18.4 × 6.0 - 15.4 × 3.0 = 64.2       | m2  | 64.2   |
|        | 合計                                        | m2  | 128.4  |