



# 数量計算書

(既設管撤去)

| 管きょ工（開削）数量集計表        |       |    |       |     |
|----------------------|-------|----|-------|-----|
| 名 称                  |       | 単位 | 合 計   | 備 考 |
| 管路土工                 |       |    |       |     |
| 掘削工                  | 41.34 | m3 | 41.3  |     |
| 埋戻工（良質土）A            | 42.15 | m3 | 42.2  |     |
| 埋戻工（良質土）B            |       | m3 |       |     |
| 残土処分工（管路分）           | 41.34 | m3 | 41.3  |     |
| 残土処理工（路盤分）           |       | m3 |       |     |
| 管基礎工（良質土） t=10cm     |       | m3 |       |     |
| 管基礎工（良質土） t=30cm     |       | m3 |       |     |
|                      |       |    |       |     |
| 管撤去工                 |       |    |       |     |
| 路線延長                 | 20.26 | m  | 20.26 |     |
| 硬質塩化ビニル管撤去工 φ150mm   |       | m  |       |     |
| 硬質塩化ビニル管撤去工 φ200mm   | 20.26 | m  | 20.26 |     |
| 可とう性継ぎ手 φ150mm       |       | 個  |       |     |
| 可とう性継ぎ手 φ200mm       |       | 個  |       |     |
|                      |       |    |       |     |
| 管路土留工                |       |    |       |     |
| 軽量鋼矢板土留建込・引抜工 H=2.0m |       | m  |       |     |
| 軽量鋼矢板土留建込・引抜工 H=2.5m |       | m  |       |     |
| 軽量鋼矢板土留建込・引抜工 H=3.0m |       | m  |       |     |
| 軽量鋼矢板土留建込・引抜工 H=3.5m |       | m  |       |     |
| 軽量鋼矢板土留建込・引抜工 H=4.5m |       | m  |       |     |
| 軽量鋼矢板土留建込・引抜工 H=5.0m |       | m  |       |     |
| 軽量鋼矢板土留建込・引抜工 H=5.5m |       | m  |       |     |
| 軽量金属支保工 1段           |       | m  |       |     |
| 軽量金属支保工 2段           |       | m  |       |     |
| 軽量金属支保工 3段           |       | m  |       |     |
| 軽量鋼矢板土留賃料            |       | 式  |       |     |
| 土留支保工賃料              |       | 式  |       |     |
| 建込簡易土留設置・撤去工 H=2.0m  |       | m  |       |     |
| 建込簡易土留設置・撤去工 H=2.5m  | 20.26 | m  | 20.26 |     |
| 建込簡易土留設置・撤去工 H=3.0m  |       | m  |       |     |
| 建込簡易土留設置・撤去工 H=3.5m  |       | m  |       |     |
| 建込簡易土留設置・撤去工 H=4.0m  |       | m  |       |     |
| 建込簡易土留設置・撤去工 H=4.5m  |       | m  |       |     |
| 建込簡易土留賃料             | 1     | 式  | 1     |     |

撤去工集計表

VUφ200

| 路線名     | マンホール番号                           | 区間延長<br>m | 撤 去 工  |           | 管渠延長<br>m | 材 料     |     |     |          | 基 礎 工           |                 |  | 備 考 |
|---------|-----------------------------------|-----------|--------|-----------|-----------|---------|-----|-----|----------|-----------------|-----------------|--|-----|
|         |                                   |           | 管種・径   | 撤去延長<br>m |           | 継 手 ・ 個 |     |     | 控除長<br>m | 良質土 t=0.1<br>m3 | 良質土 t=0.3<br>m3 |  |     |
|         |                                   |           |        |           |           | 上流側     | 下流側 | 副管側 |          |                 |                 |  |     |
| 1004-17 | No.1004-17-4 ~ No.1004-17-3-1(新設) | 20.26     | VUφ200 | 20.26     | 20.26     |         |     |     |          |                 |                 |  |     |
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# 土工集計表

| 路線名     | マンホール番号                           | 掘削時舗装版取壊工 |      |      |      | 掘 削 工     |       |      |       | 埋戻し土量 |       | 残 土   |     |     | 備 考 |
|---------|-----------------------------------|-----------|------|------|------|-----------|-------|------|-------|-------|-------|-------|-----|-----|-----|
|         |                                   | 舗装厚       | Co切断 | Co破碎 | Coガラ | 平均<br>掘削深 | 掘削土量  | 路盤掘削 |       | 機械A   | 機械B   | 掘削    | 路盤  |     |     |
|         |                                   |           | As切断 | As破碎 | Asガラ |           |       | 掘削時  | 復旧時   |       |       |       | 掘削時 | 復旧時 |     |
|         |                                   | cm        | m    | m2   | m3   | m         | m3    | m3   | m3    | m3    | m3    | m3    | m3  | m3  |     |
| 1004-17 | No.1004-17-4 ~ No.1004-17-3-1(新設) |           |      |      |      | 2.19      | 41.34 |      |       | 42.15 |       | 41.34 |     |     |     |
|         | ~                                 |           |      |      |      |           |       |      |       |       |       |       |     |     |     |
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| 計       |                                   |           |      |      |      |           | 41.34 |      |       | 42.15 |       | 41.34 |     |     |     |
| 掘削量合計   |                                   |           |      |      |      |           | 41.34 |      | 残土量合計 |       | 41.34 |       |     |     |     |

土留め工集計表

| 路線名     | マンホール番号                           | 平均掘削深 | 建込簡易土留 |        |                  |       |        |        |        |        |        |        | パネル長   |       |        |        |  |  | 備 考 |
|---------|-----------------------------------|-------|--------|--------|------------------|-------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--|--|-----|
|         |                                   |       | 素掘り    | H=2.0m | H=2.5m           | H3.0m | H=3.5m | H=4.0m | H=4.5m | H=5.0m | H=5.5m | H=2.0m | H=2.5m | H3.0m | H=3.5m | H=4.0m |  |  |     |
|         |                                   |       | m      | m      | m                | m     | m      | m      | m      | m      | m      | m      | m      | m     | m      | m      |  |  |     |
| 1004-17 | No.1004-17-4 ~ No.1004-17-3-1(新設) | 2.19  |        |        | 20.26            |       |        |        |        |        |        |        | 20.26  |       |        |        |  |  |     |
|         | ~                                 |       |        |        |                  |       |        |        |        |        |        |        |        |       |        |        |  |  |     |
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| 計       |                                   |       |        |        | H=2.19m<br>20.26 |       |        |        |        |        |        |        | 20.26  |       |        |        |  |  |     |

取付管およびます撤去工 数量集計表

[illegible]

# 取付管およびます撤去工 数量計算書

(No. 1004-30-1+1.53)

| 項 目             | 略 図 及 び 計 算 式  | 数 量                 |
|-----------------|--|---------------------|
| 管路土工            |  |                     |
| 掘削              | ①平均掘削深 $(1.284+0.924) \times 1/2 = 1.10$<br>$((0.55 \times 2 + 0.2 \times 1.10) \times 1/2 \times 1.10 - \pi/4 \times 0.165^2) \times 0.23 = 0.16$<br>②平均掘削深 $(0.924+0.907) \times 1/2 = 0.92$<br>$((0.55 \times 2 + 0.2 \times 0.92) \times 1/2 \times 0.92 - \pi/4 \times 0.165^2) \times 0.70 = 0.40$<br>0.56 | 0.6 m <sup>3</sup>  |
| 埋戻              | ①平均掘削深 $(1.284+0.924) \times 1/2 = 1.10$<br>$((0.55 \times 2 + 0.2 \times 1.10) \times 1/2 \times 1.10) \times 0.23 = 0.17$<br>②平均掘削深 $(0.924+0.907) \times 1/2 = 0.92$<br>$((0.55 \times 2 + 0.2 \times 0.92) \times 1/2 \times 0.92) \times 0.70 = 0.41$<br>0.58   | 0.6 m <sup>3</sup>  |
| 残土処分            | = 0.56   | 0.6 m <sup>3</sup>  |
| 撤去工             |  |                     |
| 既設管撤去           | 取付管 : VU φ 150<br>2.07 = 2.07  | 2.1 m               |
| 廃プラ運搬・処分        | $2.07 \times 3.941 \times 1/1000 = 0.008$  | 0.008 t             |
| 構造物取壊し<br>鉄筋構造物 | 汚水柵 φ 500<br>$\pi/4 \times 0.60^2 \times (0.94 + 0.10) - \pi/4 \times 0.50^2 \times 0.94 = 0.11$   | 0.11 m <sup>3</sup> |
| コンクリート殻運搬       | 鉄筋コンクリート = 0.11  | 0.11 m <sup>3</sup> |
| コンクリート殻処分       | 有筋 : $W = 0.11 \times 2.50 = 0.28$   | 0.28 t              |
| 鉄蓋および受枠撤去       | φ 500 T-14 = 1.0   | 1.0 組               |
| 設置工             | 塩化ビニル製キャップ φ 150 = 1.0   | 1.0 個               |

# 取付管およびます撤去工 数量計算書

(No. 1004-29-1+2. 34)

| 項 目             | 略 図 及 び 計 算 式  | 数 量                 |
|-----------------|--|---------------------|
| 管路土工            |  |                     |
| 掘削              | ①平均掘削深 $(0.300+0.218) \times 1/2=0.26$<br>$((0.55 \times 2+0.2 \times 0.26) \times 1/2 \times 0.26 - \pi/4 \times 0.165^2) \times 1.29 = 0.17$<br>②平均掘削深 $(0.658+0.665) \times 1/2=0.66$<br>$((0.55 \times 2+0.2 \times 0.66) \times 1/2 \times 0.66 - \pi/4 \times 0.165^2) \times 0.71 = 0.27$<br>③平均掘削深 $(0.665+1.332) \times 1/2=1.00$<br>$((0.55 \times 2+0.2 \times 1.00) \times 1/2 \times 1.00 - \pi/4 \times 0.165^2) \times 0.30 = 0.19$<br><hr/> 0.63 | 0.6 m <sup>3</sup>  |
| 埋戻              | ①平均掘削深 $(0.300+0.218) \times 1/2=0.26$<br>$(0.55 \times 2+0.2 \times 0.26) \times 1/2 \times 0.26 \times 1.29 = 0.19$<br>②平均掘削深 $(0.658+0.665) \times 1/2=0.66$<br>$(0.55 \times 2+0.2 \times 0.66) \times 1/2 \times 0.66 \times 0.71 = 0.29$<br>③平均掘削深 $(0.665+1.332) \times 1/2=1.00$<br>$(0.55 \times 2+0.2 \times 1.00) \times 1/2 \times 1.00 \times 0.30 = 0.20$<br><hr/> 0.68  | 0.7 m <sup>3</sup>  |
| 残土処分            | = 0.63   | 0.6 m <sup>3</sup>  |
| 撤去工             |  |                     |
| 既設管撤去           | 取付管：VUφ150<br>2.05 = 2.05  | 2.1 m               |
| 廃プラ運搬・処分        | 2.05×3.941×1/1000 = 0.008  | 0.008 t             |
| 構造物取壊し<br>鉄筋構造物 | 汚水柵φ500<br>$\pi/4 \times 0.60^2 \times (0.89+0.10) - \pi/4 \times 0.50^2 \times 0.89 = 0.11$   | 0.11 m <sup>3</sup> |
| コンクリート殻運搬       | 鉄筋コンクリート = 0.11  | 0.11 m <sup>3</sup> |
| コンクリート殻処分       | 有筋：W=0.11×2.50 = 0.28  | 0.28 t              |
| 鉄蓋および受枠撤去       | φ500 T-14 = 1.0  | 1.0 組               |
| 設置工             | 塩化ビニル製キャップφ150 = 1.0   | 1.0 個               |



### 構造物撤去工数量集計表

[illegible]

## 構造物撤去工 数量計算書

| 項 目        | 略 図 及 び 計 算 式   | 数 量     |
|------------|---|---------|
| 硬質塩化ビニル管撤去 | 硬質塩化ビニル管VUφ200 = 20.26  | 20.26 m |
| 廃プラ運搬      | $20.26\text{m} \times 6.572\text{kg/m} \times 1/1000 = 0.133$ | 0.133 t |
| 廃プラ処分      | = 0.133   | 0.133 t |