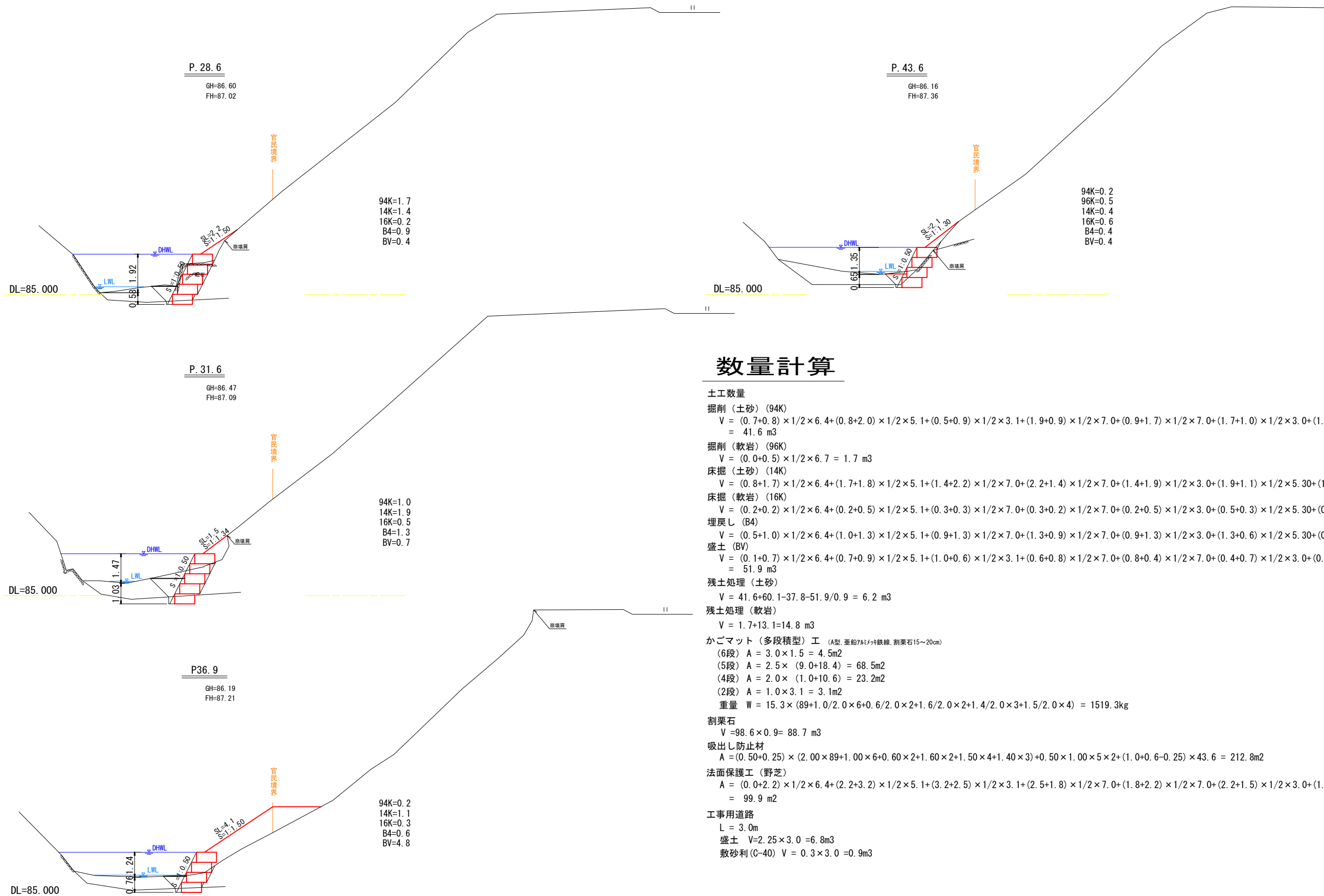


横断図(2)

S=1:100



数量計算

土工数量

掘削(土砂)(94K)

$$V = (0.7+0.8) \times 1/2 \times 6.4 + (0.8+2.0) \times 1/2 \times 5.1 + (0.5+0.9) \times 1/2 \times 3.1 + (1.9+0.9) \times 1/2 \times 7.0 + (0.9+1.7) \times 1/2 \times 7.0 + (1.7+1.0) \times 1/2 \times 3.0 + (1.0+0.2) \times 1/2 \times 5.30 + (0.2+0.2) \times 1/2 \times 6.7 = 41.6 \text{ m}^3$$

掘削(軟岩)(96K)

$$V = (0.0+0.5) \times 1/2 \times 6.7 = 1.7 \text{ m}^3$$

床掘(土砂)(14K)

$$V = (0.8+1.7) \times 1/2 \times 6.4 + (1.7+1.8) \times 1/2 \times 5.1 + (1.4+2.2) \times 1/2 \times 7.0 + (2.2+1.4) \times 1/2 \times 7.0 + (1.4+1.9) \times 1/2 \times 3.0 + (1.9+1.1) \times 1/2 \times 5.30 + (1.1+0.4) \times 1/2 \times 6.7 = 60.1 \text{ m}^3$$

床掘(軟岩)(16K)

$$V = (0.2+0.2) \times 1/2 \times 6.4 + (0.2+0.5) \times 1/2 \times 5.1 + (0.3+0.3) \times 1/2 \times 7.0 + (0.3+0.2) \times 1/2 \times 7.0 + (0.2+0.5) \times 1/2 \times 3.0 + (0.5+0.3) \times 1/2 \times 5.30 + (0.3+0.6) \times 1/2 \times 6.7 = 13.1 \text{ m}^3$$

埋戻し(B4)

$$V = (0.5+1.0) \times 1/2 \times 6.4 + (1.0+1.3) \times 1/2 \times 5.1 + (0.9+1.3) \times 1/2 \times 7.0 + (1.3+0.9) \times 1/2 \times 7.0 + (0.9+1.3) \times 1/2 \times 3.0 + (1.3+0.6) \times 1/2 \times 5.30 + (0.6+0.4) \times 1/2 \times 6.7 = 37.8 \text{ m}^3$$

盛土(BV)

$$V = (0.1+0.7) \times 1/2 \times 6.4 + (0.7+0.9) \times 1/2 \times 5.1 + (1.0+0.6) \times 1/2 \times 3.1 + (0.6+0.8) \times 1/2 \times 7.0 + (0.8+0.4) \times 1/2 \times 7.0 + (0.4+0.7) \times 1/2 \times 3.0 + (0.7+4.8) \times 1/2 \times 5.3 + (4.8+0.4) \times 1/2 \times 6.7 = 51.9 \text{ m}^3$$

残土処理(土砂)

$$V = 41.6 + 60.1 - 37.8 - 51.9 / 0.9 = 6.2 \text{ m}^3$$

残土処理(軟岩)

$$V = 1.7 + 13.1 = 14.8 \text{ m}^3$$

かごマット(多段積型)工 (A型, 亜鉛7%鉄線, 割栗石15~20cm)

$$(6段) A = 3.0 \times 1.5 = 4.5 \text{ m}^2$$

$$(5段) A = 2.5 \times (9.0+18.4) = 68.5 \text{ m}^2$$

$$(4段) A = 2.0 \times (1.0+10.6) = 23.2 \text{ m}^2$$

$$(2段) A = 1.0 \times 3.1 = 3.1 \text{ m}^2$$

$$\text{重量 } W = 15.3 \times (89+1.0/2.0 \times 6+0.6/2.0 \times 2+1.6/2.0 \times 2+1.4/2.0 \times 3+1.5/2.0 \times 4) = 1519.3 \text{ kg}$$

割栗石

$$V = 98.6 \times 0.9 = 88.7 \text{ m}^3$$

吸出し防止材

$$A = (0.50+0.25) \times (2.00 \times 89+1.00 \times 6+0.60 \times 2+1.60 \times 2+1.50 \times 4+1.40 \times 3) + 0.50 \times 1.00 \times 5 \times 2 + (1.0+0.6-0.25) \times 43.6 = 212.8 \text{ m}^2$$

法面保護工(野芝)

$$A = (0.0+2.2) \times 1/2 \times 6.4 + (2.2+3.2) \times 1/2 \times 5.1 + (3.2+2.5) \times 1/2 \times 3.1 + (2.5+1.8) \times 1/2 \times 7.0 + (1.8+2.2) \times 1/2 \times 7.0 + (2.2+1.5) \times 1/2 \times 3.0 + (1.5+4.1) \times 1/2 \times 5.3 + (4.1+2.1) \times 1/2 \times 6.7 = 99.9 \text{ m}^2$$

工事用道路

$$L = 3.0 \text{ m}$$

$$\text{盛土 } V = 2.25 \times 3.0 = 6.8 \text{ m}^3$$

$$\text{敷砂利(C-40) } V = 0.3 \times 3.0 = 0.9 \text{ m}^3$$

宿毛市

| | | | |
|------|--------------------|----|-------|
| 工事種別 | 河川災害復旧工事 30災第1207号 | | |
| 図面名称 | 横断図 | 縮尺 | 1/100 |
| 河川名 | 普通河川大平川 | | |
| 工事箇所 | 高知県 宿毛市 小筑紫町都賀川 | | |
| 設計種別 | 実施設計 | 図面 | 4 |
| 事務所名 | 宿毛市役所 土木課 | 番号 | 4 |
| 会社名 | | | |