

市道3028号線安全対策工事
三郷市彦糸二丁目地内

数 量 計 算 書

三 郷 市 建 設 部 道 路 課

数量総括表

数 量 総 括 表								
NO.1/2								
工事区分	工 種	種 別	細 別	規 格	単 位	数 量		摘 要
						数量	内訳数量	
道路改良								
	土工	作業土工	床掘		m3	137.2	137.0	
			掘削		m3	82.4	82.0	
			埋戻し	発生土	m3	71.0	71.0	
			埋戻し	再生砂	m3	0.4	0.4	
			残土運搬		m3	140.7	140.0	
	構造物撤去工	構造物取壊し工	舗装版切断	15cm以下	m	5.1	5.0	
			As舗装版取壊し		m ²	294.3	294.0	
			As運搬		m3	14.7	14.0	
			As処分		t	34.5	34.0	
			Co取壊し(有筋)		m3	9.1	9.0	
			Co殻運搬(有筋)		m3	9.1	9.0	
			Co殻処分(有筋)		t	22.8	22.0	
	排水構造物工	側溝工	可変側溝	(300×800)	m	30.0	30.0	北側(車道)
			可変側溝	(300×800)	m	20.0	20.0	南側(歩道)
			可変側溝	(300×700)	m	64.0	64.0	北側(車道)
			可変側溝	(300×700)	m	64.0	64.0	南側(歩道)
			可変側溝	(300×600)	m	11.0	11.0	南側(歩道)
		集水樹工	角型集水樹(Ⅰ型)	400×900×1100	箇所	1.0	1.0	
			角型集水樹(Ⅱ型)	400×900×1100	箇所	1.0	1.0	
		管渠工	硬質塩化ビニル管	VPφ200	m	1.8	1.0	
	縁石工	縁石工	街渠	一般部	m	77.2	77.0	
			街渠	端末部A	m	5.4	5.0	
			街渠	車乗入部	m	12.4	12.0	
舗装		アスファルト舗装工						
	舗装工	(車道部(1))	下層路盤	再生切込砕石40-0 t=40cm	m ²	209.4	209.0	
			上層路盤	再生粒調砕石40-0 t=20cm	m ²	209.4	209.0	
			不陸整正		m ²	294.3	294.0	

数量總括表

NO.2/2

[illegible]

数量集計表

[illegible]

構造物撤去工		数 量 計 算 書				NO.2/5	
工 種	算 出 根 拠					数 量	
構造物取壊し工							
舗装版切断 15cm以下	取壊し平面図 L = 5.10					=	5.1 m
As舗装版取壊し	取壊し平面図 A = 294.3					=	294.3 m ²
As殻運搬	舗装厚 V = 294.3 × 0.05					=	14.7 m ³
As殻処分	V = 14.7 × 2350 / 1000					=	34.5 t
Co取壊し(有筋) U字側溝360×320	取壊し単位数量 取壊し平面図 V1 = 0.03 × (93.9 + 95.1)					=	5.7
Co取壊し(有筋) 角型集水柵840×350×685	取壊し単位数量 取壊し平面図 V2 = 0.63 × 1.0					=	0.6
Co取壊し(有筋) 角型集水柵900×400×745	取壊し単位数量 取壊し平面図 V3 = 0.50 × 1.0					=	0.5
Co取壊し(有筋) Co土留900×580×60	取壊し単位数量 取壊し平面図 V4 = 0.03 × (1.0 + 1.0)					=	0.1
Co取壊し(有筋) Co床版600×100	取壊し単位数量 取壊し平面図 V5 = 0.06 × (2.8 + 3.0 + 3.0 + 2.6 + 3.1						
	+ 2.7 + 3.0)					=	1.2
Co取壊し(有筋) Co床版990×150	取壊し単位数量 取壊し平面図 V6 = 0.15 × 4.0					=	0.6
Co取壊し(有筋) Co基礎250×300	取壊し単位数量 取壊し平面図 V7 = 0.07 × 4.0					=	0.3
Co取壊し(有筋) 排水溝100×100	取壊し単位数量 取壊し平面図 V8 = 0.01 × 4.9					=	0.05
Co取壊し(有筋)	V1 V2 V3 V4 V5 V6 V = 5.7 + 0.6 + 0.5 + 0.1 + 1.2 + 0.6						
	V7 V8 + 0.3 + 0.05					=	9.1 m ³

[illegible]

[illegible]

[illegible]

舗装工		数 量 計 算 書					NO.1/2	
工 種	算 出 根 拠						数 量	
アスファルト舗装工								
車道部(1)舗装								
下層路盤 t=40cm 再生切込碎石40-0	舗装面積計算書 舗装平面図 舗装版取壊し面積参照 A = 501.13 + 2.57 - 294.30 = 209.4 m²							
上層路盤 t=20cm 再生粒調碎石40-0	A = 下層路盤と同じ = 209.4 m²							
不陸整正	舗装版取壊し面積参照 A = 294.30 = 294.3 m²							
表層 再生密粒度アスコン t=5cm	舗装面積計算書 舗装平面図 A = 501.13 + 2.57 = 503.7 m²							
車道部(2)舗装								
下層路盤 t=40cm 再生切込碎石40-0	舗装面積計算書 A = 47.53 = 47.5 m²							
上層路盤 t=10cm 再生粒調碎石40-0	A = 下層路盤と同じ = 47.5 m²							
歩道舗装(一般部)								
路盤 t=10cm 再生切込碎石40-0	舗装面積計算書 A = 54.51 = 54.5 m²							
表層 再生細粒度アスコン t=3cm	A = 路盤と同じ = 54.5 m²							
歩道舗装(車乗入部)								
下層路盤 t=20cm 再生切込碎石40-0	舗装面積計算書 A = 12.05 = 12.1 m²							
上層路盤 t=20cm 再生粒調碎石40-0	A = 下層路盤と同じ = 12.1 m²							
表層 再生細粒度アスコン t=5cm	A = 上層路盤と同じ = 12.1 m²							

[illegible]

土工計算書

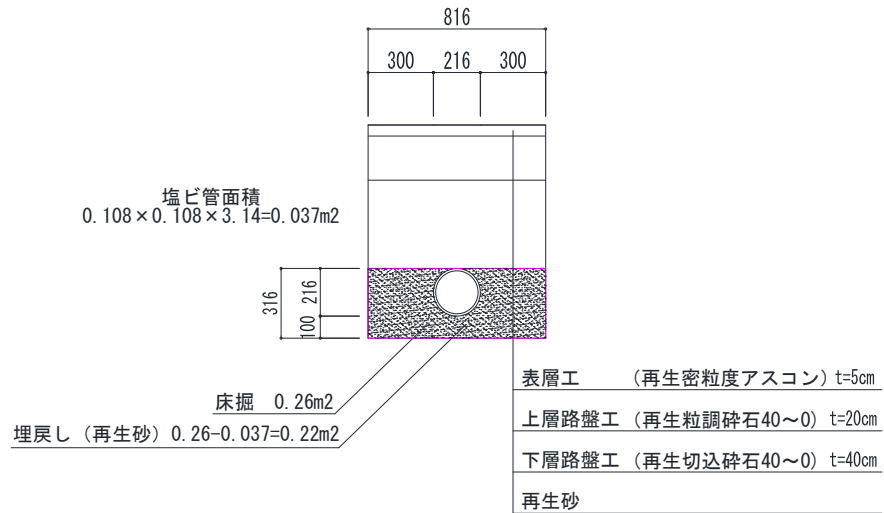
(VP ϕ 200)

土 工 数 量 計 算 書

1. 0式

略 図

(L=1.8m)

[illegible]

舗装面積計算書

[illegible]

[illegible]

舗装面積計算書(歩道部)

NO.1/1

測 点 番 号	単 距 離	舗 装 幅 員	平 均 舗 装 幅 員	平 方 米
No. 0 + 4.950		0.70		
(一般部)	15.050		0.700	10.54
No. 1		0.70		
(一般部)	12.150		0.700	8.51
No. 1 + 12.150		0.70		
(車乗入れ部)	7.850		0.700	5.50
No. 2		0.70		
(車乗入れ部)	0.750		0.700	0.53
No. 2 + 0.750		0.70		
(一般部)	11.550		0.700	8.09
No. 2 + 12.300		0.70		
(車乗入れ部)	7.700		0.700	5.39
No. 3		0.70		
(車乗入れ部)	0.900		0.700	0.63
No. 3 + 0.900		0.70		
(一般部)	19.100		0.700	13.37
No. 4		0.70		
(一般部)	20.000		0.700	14.00
No. 5		0.70		
			一般部	
			合計	54.51
			車乗入れ部	
			合計	12.05

単位数量計算書

10 m 当り

Technical drawing of a bridge pier cross-section. The drawing shows a rectangular pier with a central opening. Dimensions are given in millimeters.

Key dimensions and labels:

- Top width: 450
- Opening width: 300
- Opening height: 850
- Pier height: 935
- Foundation height: 100
- Base concrete layer thickness: 100
- Recycled crushed stone layer thickness: 50
- Pier width at base: 450
- Opening width at base: 300
- Opening height at base: 850
- Foundation width: 1050
- Foundation height: 150
- Foundation concrete strength: $\sigma 28=18\text{N}/\text{mm}^2$
- Recycled crushed stone strength: RC-40
- Label: 底打ちコンクリート ($\sigma 28=18\text{N}/\text{mm}^2$)
- Label: 基礎コンクリート ($\sigma 28=18\text{N}/\text{mm}^2$)
- Label: 再生切込砕石 (RC-40)

[illegible]

10 m 当り

Technical drawing of a cross-section of a concrete structure, likely a bridge pier or abutment. The drawing shows a vertical section with a base layer of concrete and a top layer of concrete. Dimensions are provided in millimeters (mm).

Dimensions:

- Total width: 1050
- Central opening width: 900
- Base layer thickness: 135
- Top layer thickness: 85
- Base layer width (excluding opening): 50
- Top layer width (excluding opening): 50
- Overall height: 1500

Labels:

- 基礎コンクリート ($\sigma_{28}=18\text{N/mm}^2$)
- 底打ちコンクリート ($\sigma_{28}=18\text{N/mm}^2$)
- 再生切込砕石 (RC-40)

[illegible]

10 m 当り

Technical drawing of a bridge pier cross-section. The drawing shows a central pier with a width of 390mm at the top and 450mm at the base. The pier is supported by a foundation consisting of a concrete base (基礎コンクリート) and a layer of recycled crushed stone (再生切込砕石). The pier has a height of 835mm. The foundation is 150mm wide on the left and 100mm wide on the right. The pier is reinforced with steel bars (bottom reinforcement concrete: 底打ちコンクリート). The drawing also shows a cross-section of the pier with a width of 300mm and a height of 750mm. The pier is supported by a foundation with a width of 930mm and a height of 10mm. The pier is reinforced with steel bars (bottom reinforcement concrete: 底打ちコンクリート). The drawing also shows a cross-section of the pier with a width of 300mm and a height of 750mm. The pier is supported by a foundation with a width of 930mm and a height of 10mm. The pier is reinforced with steel bars (bottom reinforcement concrete: 底打ちコンクリート).

[illegible]

10 m 当り

Technical drawing of a bridge pier cross-section. The drawing shows a rectangular pier with a central opening. Dimensions are given in millimeters.

Dimensions:

- Total width: 450
- Side offsets: 75 (each side)
- Total height: 835
- Main body height: 750
- Top section height: 85
- Base thickness: 60
- Base width: 990 (including 50mm offsets on each side)
- Base width excluding offsets: 830
- Base width including 10mm offsets: 930

Labels:

- 南側(歩道平均) (South side (average sidewalk))
- 底打ちコンクリート ($\sigma 28=18\text{N/mm}^2$) (Bottom concrete)
- 基礎コンクリート ($\sigma 28=18\text{N/mm}^2$) (Foundation concrete)
- 再生切込砕石 (RC-40) (Recycled cut-in crushed stone)

[illegible]

10 m 当り

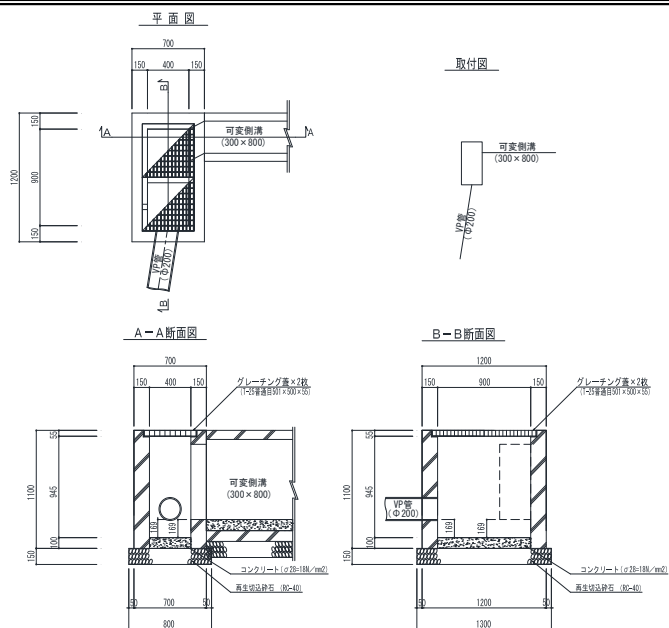
Technical drawing of a bridge pier cross-section. The drawing shows a central pier with a rectangular opening. Dimensions are given in millimeters.

Key dimensions and components:

- Pier Width:** 450 mm (Total), 300 mm (Opening), 75 mm (Side Wall Thickness).
- Pier Height:** 735 mm (Total), 650 mm (Average), 85 mm (Top Section).
- Base Dimensions:** 150 mm (Total), 102 mm (Concrete Layer), 60 mm (Concrete Layer).
- Concrete Strength:** $\sigma_{28} = 18 \text{ N/mm}^2$ (Specified for both concrete layers).
- Materials:** 再生切込砕石 (RC-40) (Recycled Cut-in Gravel), 基礎コンクリート (Concrete).
- Other Dimensions:** 340 mm (Total Width of Base), 780 mm (Total Width of Base), 50 mm (Total Width of Base), 10 mm (Total Width of Base).

[illegible]

10 箇所 当り

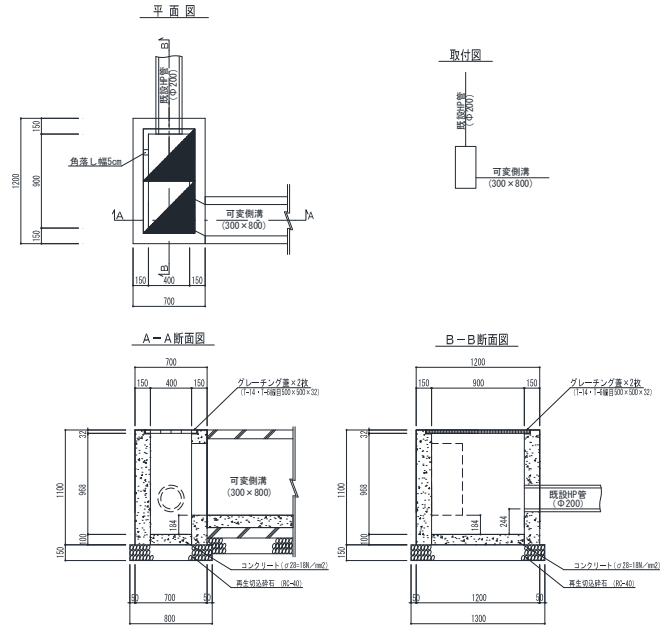
[illegible]

角型集水桝
(Ⅱ型)

単 位 数 量 計 算 書

10 箇所 当り

略 図



工 種	算 出 根 拠	数 量	単位
角型集水桝 (400×900×1100)	N = 10.0	= 10.0	基
グレーチング蓋 (T-14・T-6細目500×500×32)	N = 2.0 × 10.0	= 20.0	枚
コンクリート σ 28=18N/mm2	$V = (1.200 \times 0.700 \times 1.100 - 1.000 \times 0.500 \times 0.032$ $- 0.900 \times 0.400 \times 0.968 - 0.300 \times 0.700 \times 0.150$ $- \pi \times 0.108 \times 0.108 \times 0.150) \times 10.0$	= 5.23	m ³
型枠 (小型)	$A = \{ (1.200 + 0.700 + 0.900 + 0.400) \times 2 \times 1.100$ $+ (0.700 + 0.300) \times 2 \times 0.15 \} \times 10.0$	= 73.40	m ²
再生切込砕石 (RC-40、厚15cm)	$A = 0.800 \times 1.300 \times 10.0$ $V = 0.150 \times 0.800 \times 1.300 \times 10.0$	= 10.40 = 1.56	m ² m ³

10 m 当り

300

250

50

600

500

300

200

両面歩車道境界ブロック
(180/240×300×600)

2.0%

146

150

コンクリート ($\sigma_{28}=18\text{N/mm}^2$)

[illegible]

10 m 当り

Technical drawing of a concrete curb and sidewalk boundary block. The drawing includes a side elevation, a top view, and a cross-section.

Side Elevation: Shows a block with a total width of 600mm and a height of 300mm. The block is divided into three sections: a 50mm wide base, a 250mm wide middle section, and a 300mm wide top section.

Top View: Shows a block with a total width of 500mm and a height of 300mm. The block is divided into two sections: a 300mm wide left section and a 200mm wide right section.

Cross-section: Shows a block with a width of 180mm and a height of 150mm, sitting on a concrete base. The block is labeled "両面歩車道境界ブロック" (Double-sided sidewalk boundary block) with dimensions (180/240 x 300 x 600). The concrete base is labeled "コンクリート" (Concrete) with a strength of (σ 28=18N/mm²). The block is shown with a 2.0% slope.

[illegible]

10 m 当り

[illegible]

10 m 当り

取付ボルト
M12×30

ナットアンカー M12
(ドリル径φ18, 深さ55mm)

4-φ22

φ50

25 100 25 150

25 100 25 150

[illegible]

単位数量計算書

[取壊し]

1 m 当り

Technical drawing of a U-shaped channel cross-section. The top width is 420 mm, the inner width is 360 mm, the total height is 350 mm, and the inner height is 320 mm. A label '0.03m2' points to the bottom curve of the channel.

[illegible]

1 箇所 当り

Technical drawing showing the front and side views of a rectangular object with dimensions:

- Front View (Left):**
 - Overall width: 1,180
 - Overall height: 900
 - Inner width: 840
 - Inner height: 685
 - Left margin: 170
 - Right margin: 170
 - Top margin: 45
- Side View (Right):**
 - Overall depth: 800
 - Overall height: 900
 - Inner depth: 350
 - Inner height: 685
 - Left margin: 150
 - Right margin: 300
 - Top margin: 45

[illegible]

$$900 \times 580 \times 60$$

1 箇所 当り

A diagram of a rectangular floor plan. The overall width is labeled as 900. The overall height is labeled as 580. A small rectangular section at the bottom left is labeled with the dimension 60, indicating an offset or a specific feature.

[illegible]

