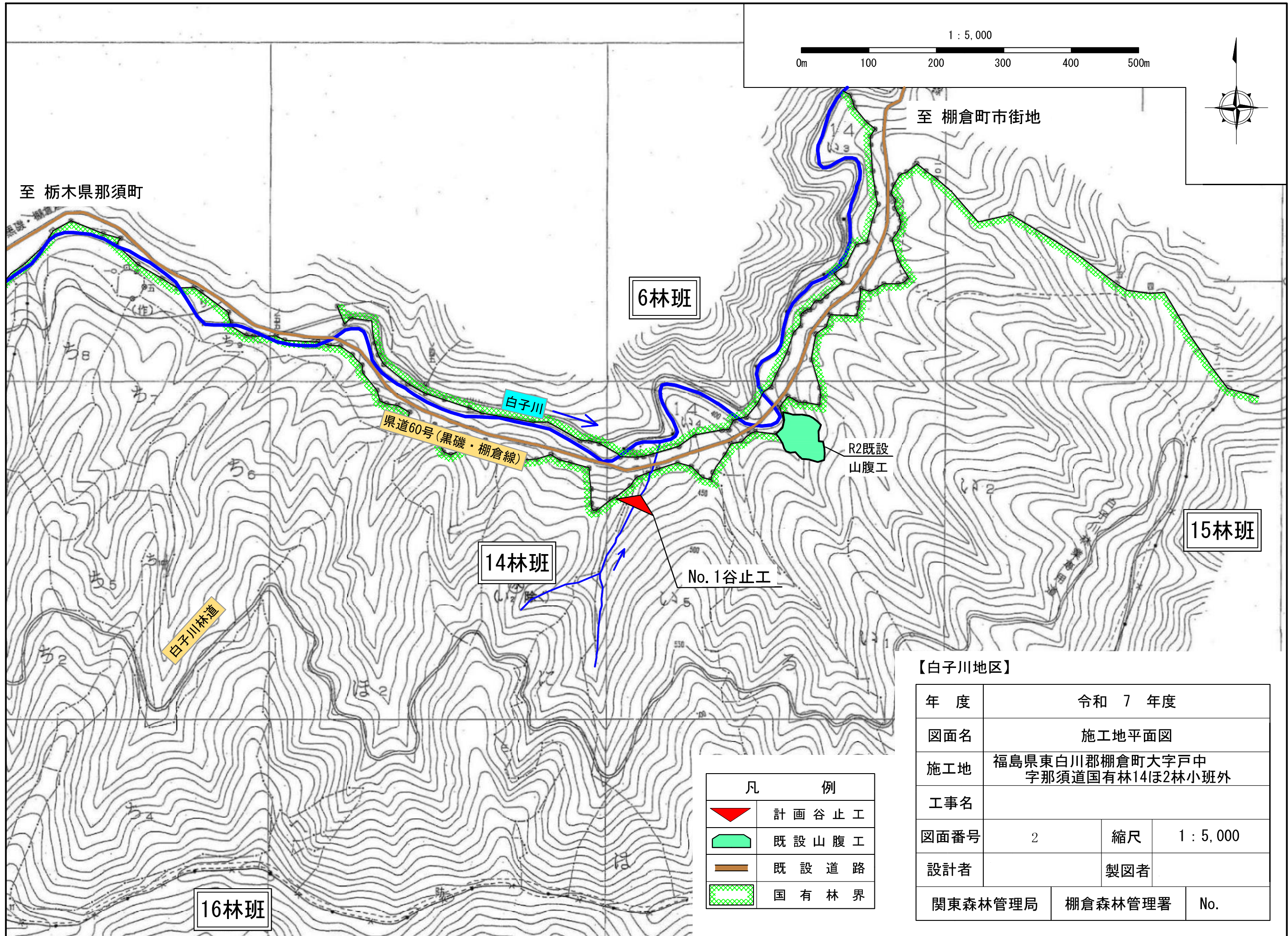


令和7年度

施工地	福島県東白川郡棚倉町大字戸中字那須道国有林 14 ほ 2 林小班外								
工事名	白子川地区予防治山工事								
工 種	谷止工	数 量	1 基 258.1m ³	溪間 安定面積	0.03ha	貯砂量	445m ³	現溪床 勾配	19.70%
集水面積	17.5ha	崩壊の 方位	—	山腹平均 傾斜	—	海拔高	400～480m	計画勾配	9.0%
		有林地	100%	無林地	—	年平均 降水量	1381.4 mm	最大 日雨量	205.5 mm
地 質	砂岩・粘板岩の互層								
関 東 森 林 管 理 局						棚 倉 森 林 管 理 署			

【 図面名 】

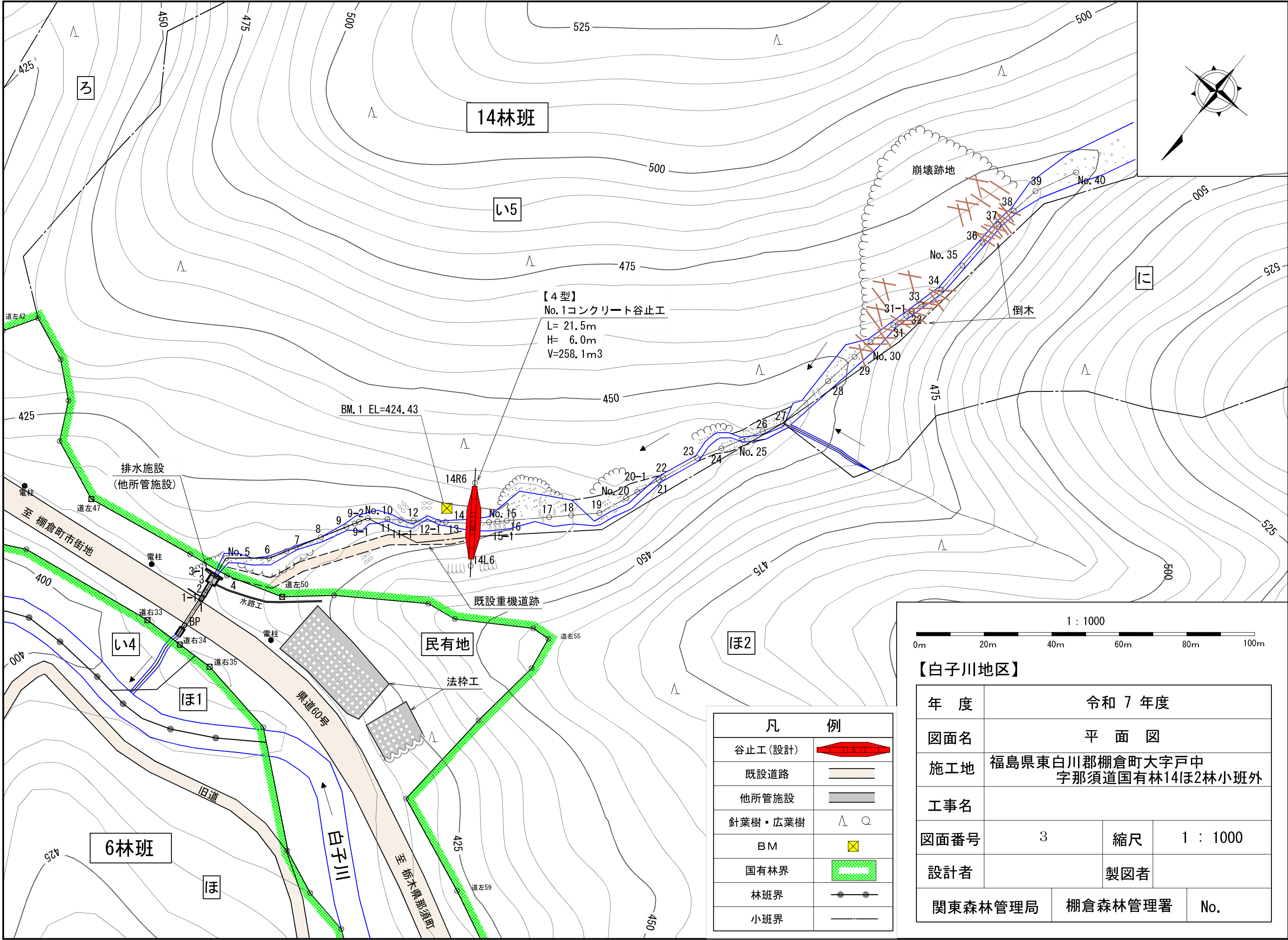
位 置 図	1 葉
施行地平面図	1 葉
平 面 図	1 葉
溪床縦断面図	1 葉
No.1 コンクリート谷止工 構造図.....	1 葉
〃 床掘図	1 葉
〃 間詰図	1 葉
〃 予想堆砂量計算図	1 葉
仮施設計画図	3 葉
標準施工図（植生ネット伏工・植生シート伏工）	2 葉
運搬系統図	1 葉



凡 例	
	計 画 谷 止 工
	既 設 山 腹 工
	既 設 道 路
	国 有 林 界

【白子川地区】

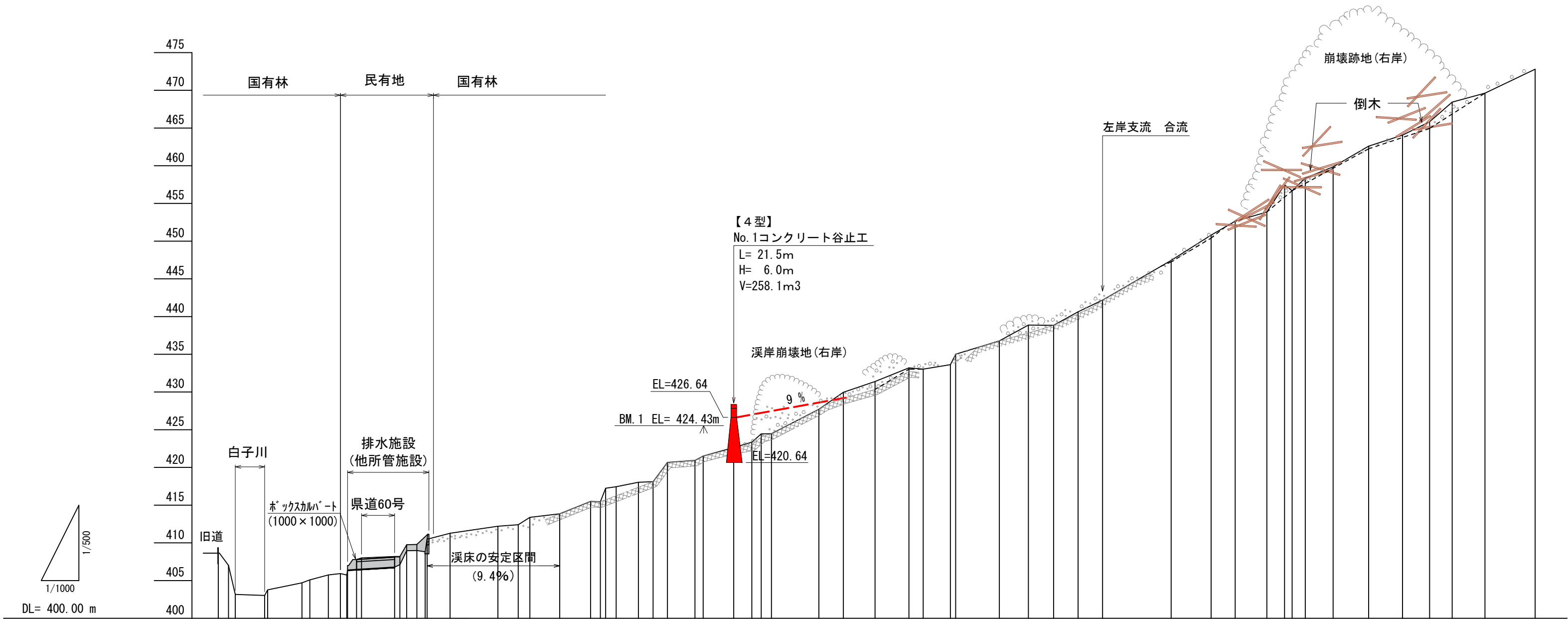
年 度	令和 7 年度		
図面名	施工地平面図		
施工地	福島県東白川郡棚倉町大字戸中 字那須道国有林14ほ2林小班外		
工事名			
図面番号	2	縮尺	1 : 5,000
設計者	製図者		
関東森林管理局		棚倉森林管理署	No.



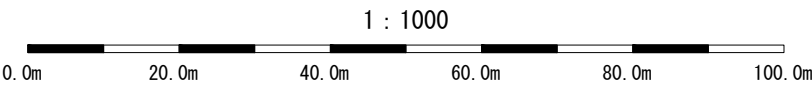
凡 例	
谷止工 (設計)	
既設道路	
他所管施設	
針葉樹・広葉樹	
BM	
国有林界	
林班界	
小班界	

【白子川地区】

年 度	令和 7 年度		
図面名	平 面 図		
施工地	福島県東白川郡棚倉町大字戸中 字那須道国有林14ほ2林小班外		
工事名			
図面番号	3	縮尺	1 : 1000
設計者	製図者		
関東森林管理局		棚倉森林管理署	No.



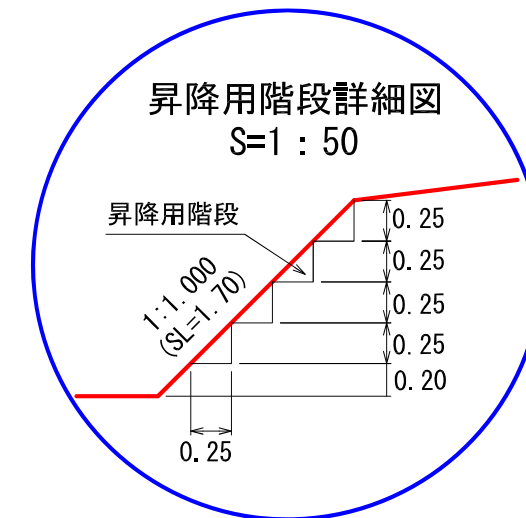
測点	No	m	m	%	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m	m
----	----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---



【白子川地区】

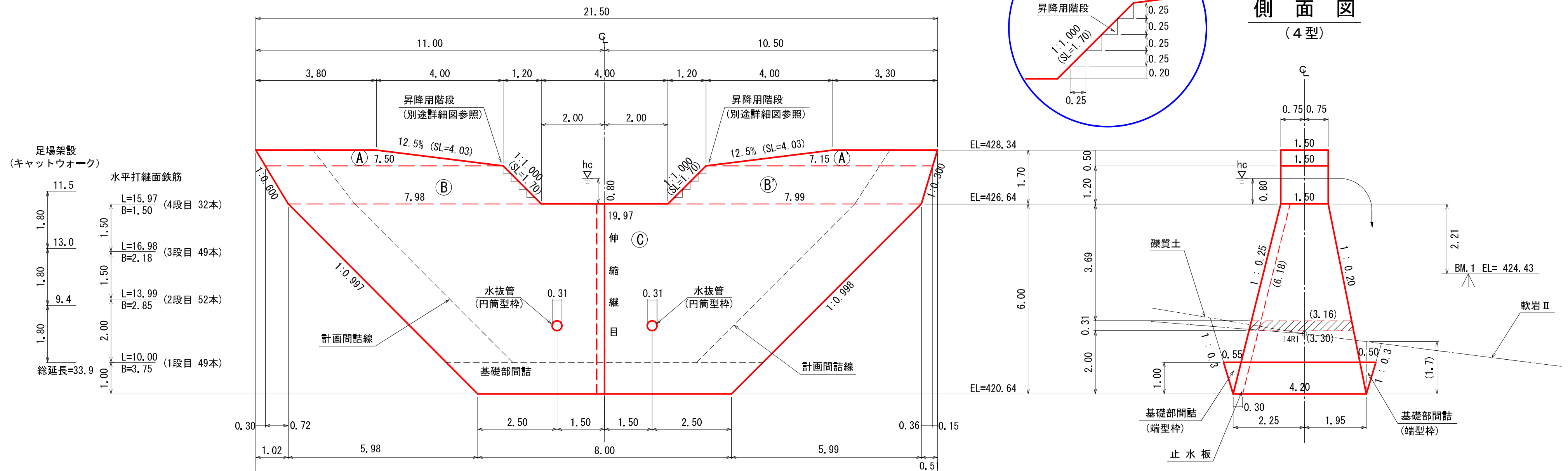
年度	令和 7 年度			
図面名	溪床縦断面図			
施工地	福島県東白川郡棚倉町大字戸中字那須道国有林14ほ2林小班外			
工事名				
図面番号	4	縮尺	縦 1: 500 横 1:1000	
設計者		製図者		
関東森林管理局		棚倉森林管理署		No.

正面図

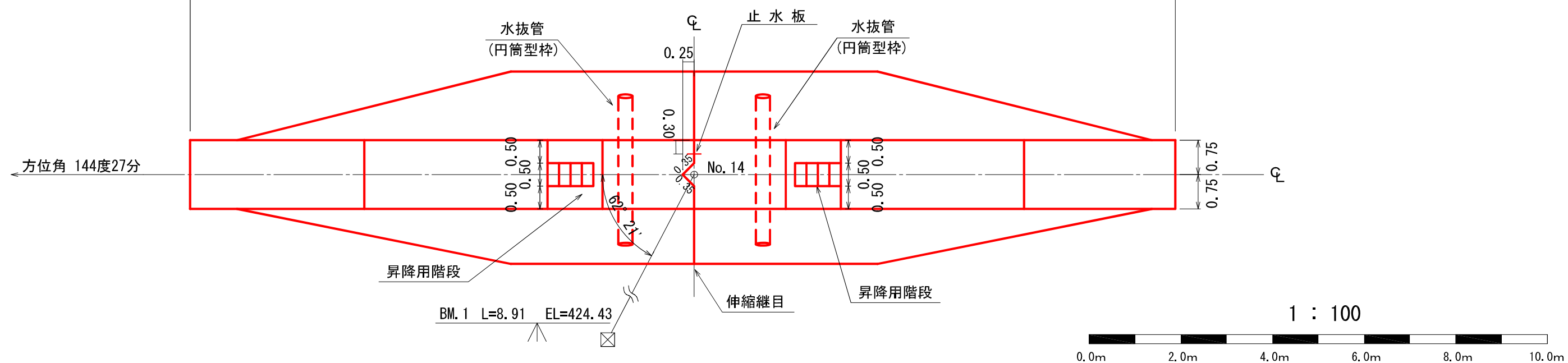


側 面 図

(4 型)



平面图



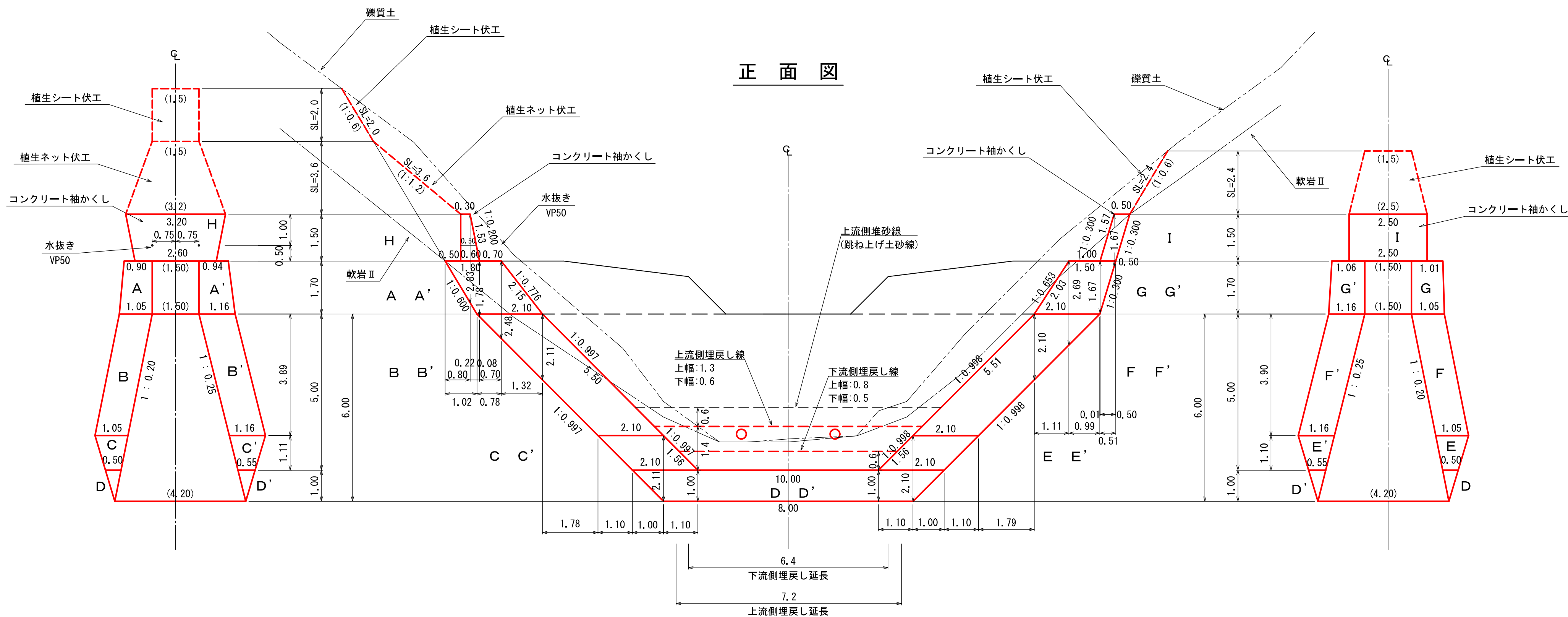
【白子川地区】

年 度	令和 7 年度		
図面名	No.1コンクリート谷止工構造図		
施工地	福島県東白川郡棚倉町大字戸中字那須道国有林14ほ2林小班外		
工事名			
図面番号	5	縮尺	1 : 100
設計者	製図者		
関東森林管理局	棚倉森林管理署	No.	

右岸側面図

左岸側面図

正面図

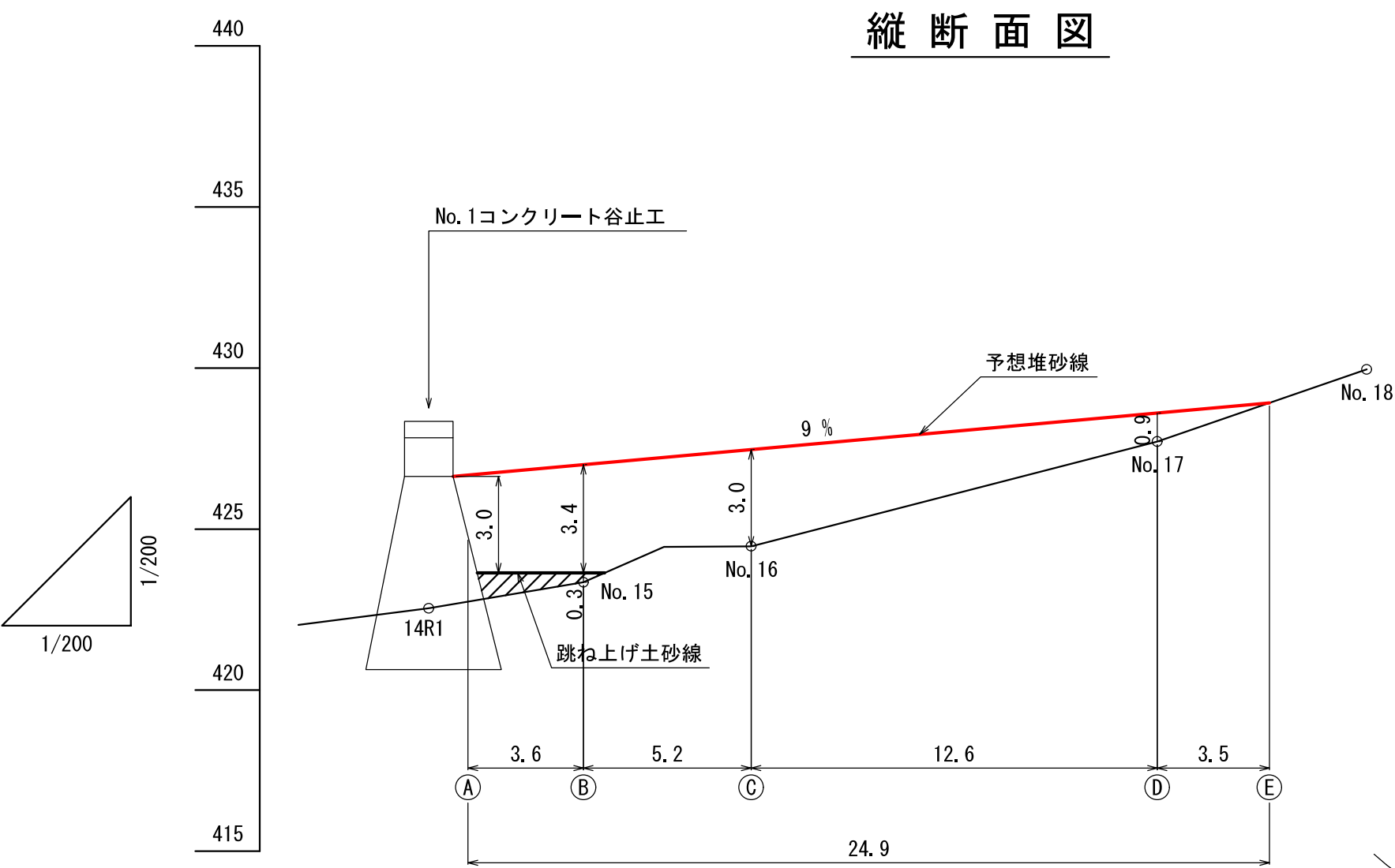


【白子川地区】

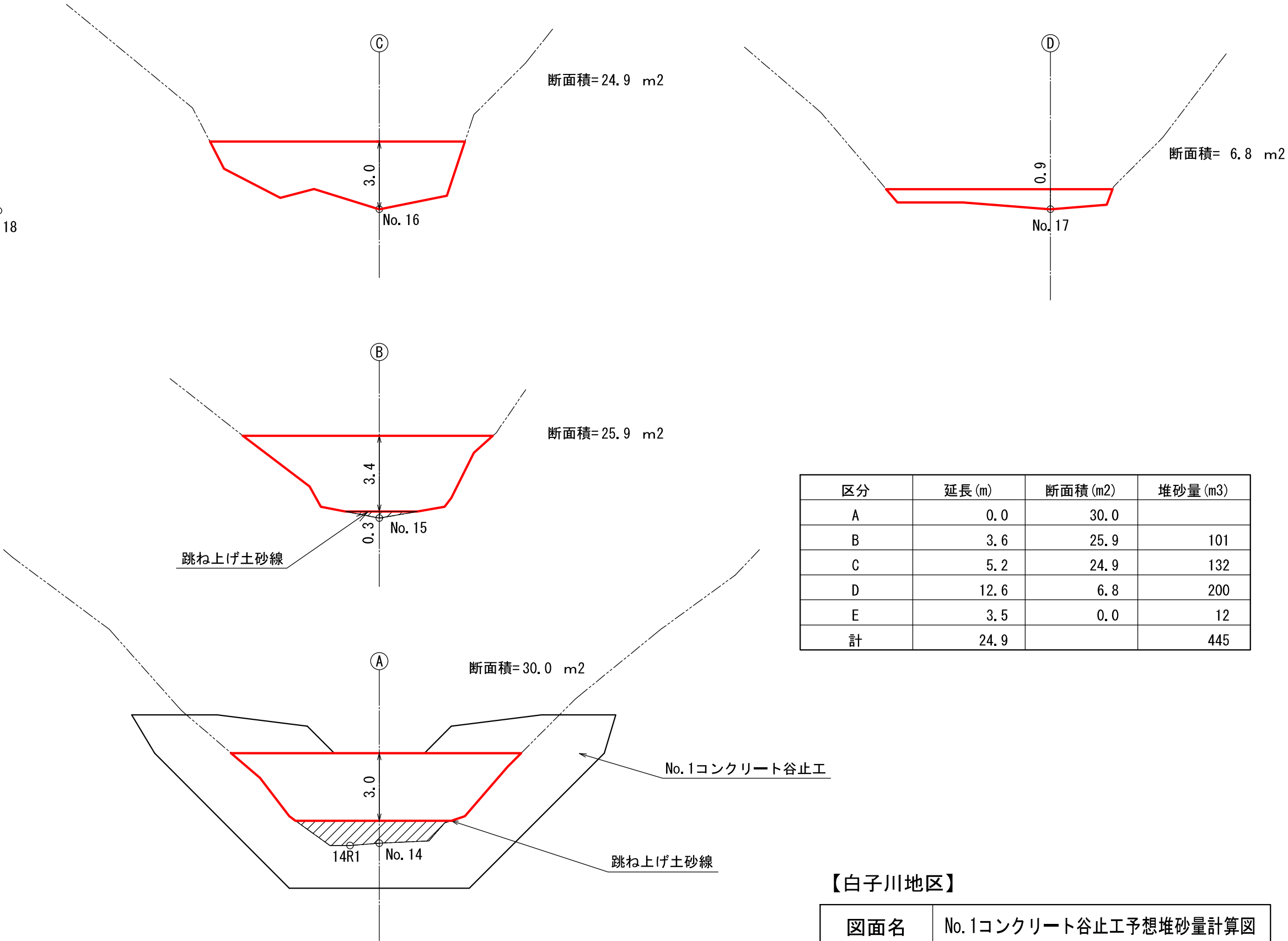
図面名	No.1コンクリート谷止工間詰図		
図面番号	7	縮尺	1 : 100

0.0m 2.0m 4.0m 6.0m 8.0m 10.0m

縦断面図



横断面図



区分	延長 (m)	断面積 (m ²)	堆砂量 (m ³)
A	0.0	30.0	
B	3.6	25.9	101
C	5.2	24.9	132
D	12.6	6.8	200
E	3.5	0.0	12
計	24.9		445

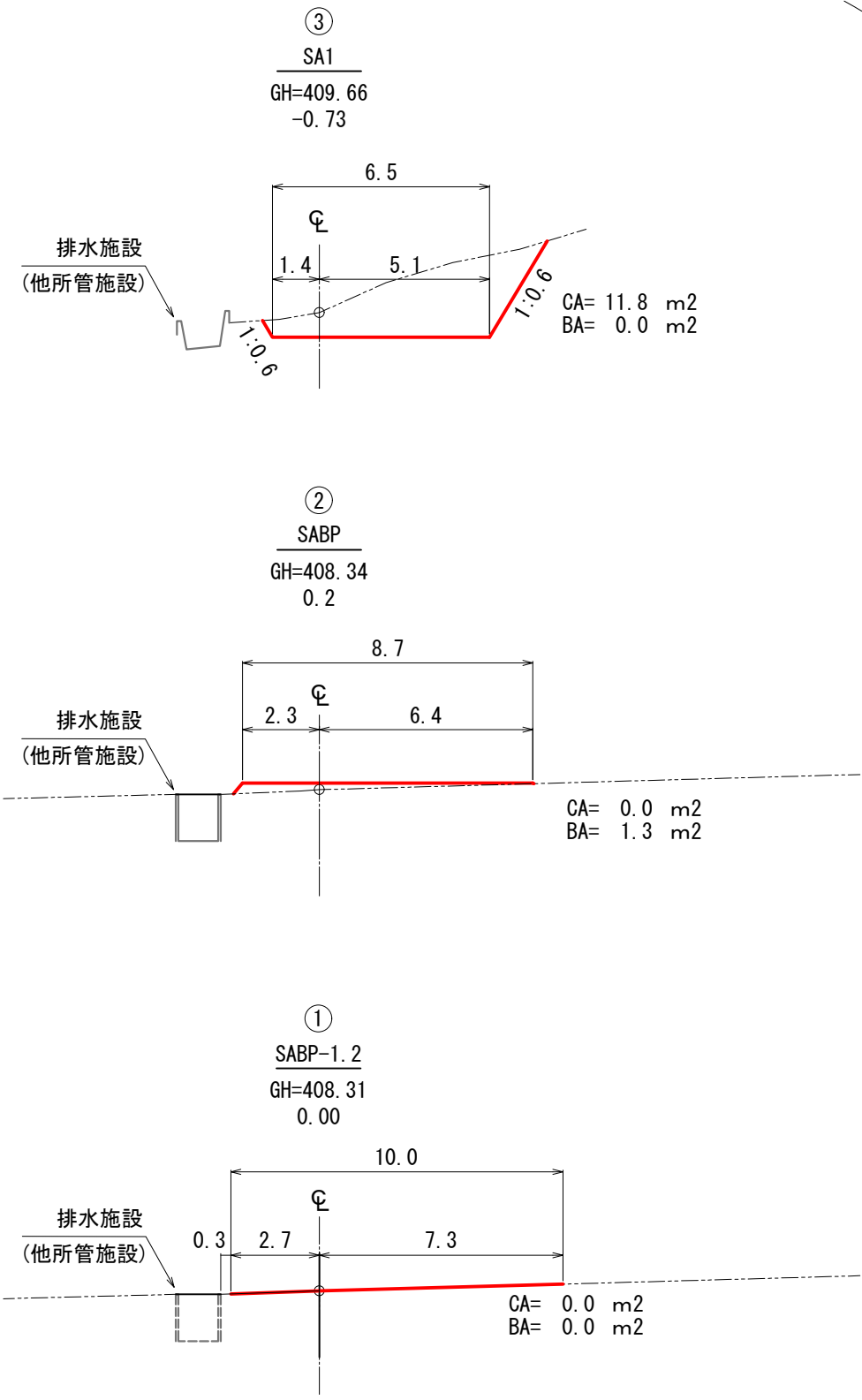
【白子川地区】

図面名	No. 1コンクリート谷止工予想堆砂量計算図		
図面番号	8	縮 尺	1 : 200

0.0m 5.0m 10.0m 15.0m 20.0m

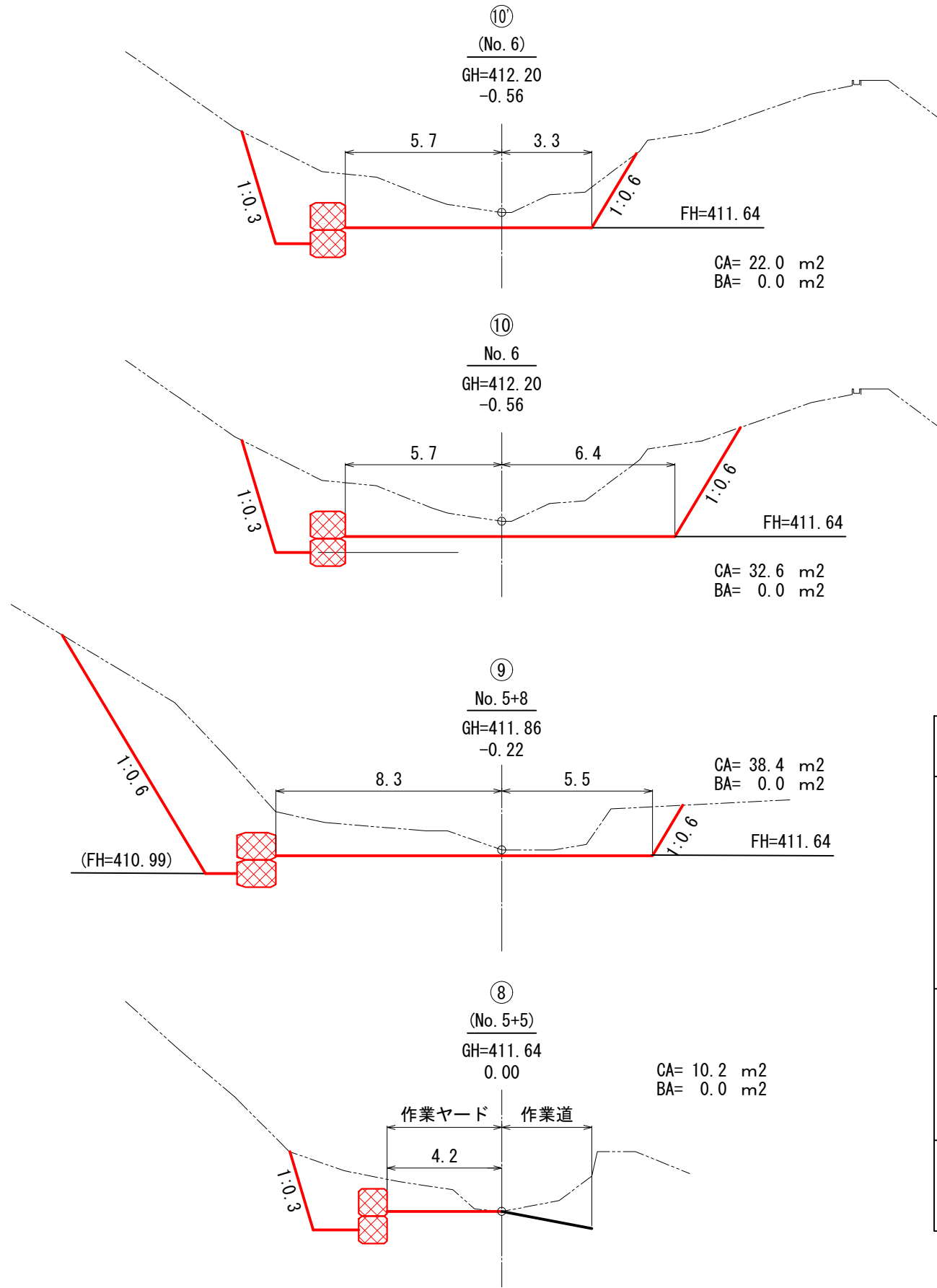
横断面図(新設作業道)

S= 1/200



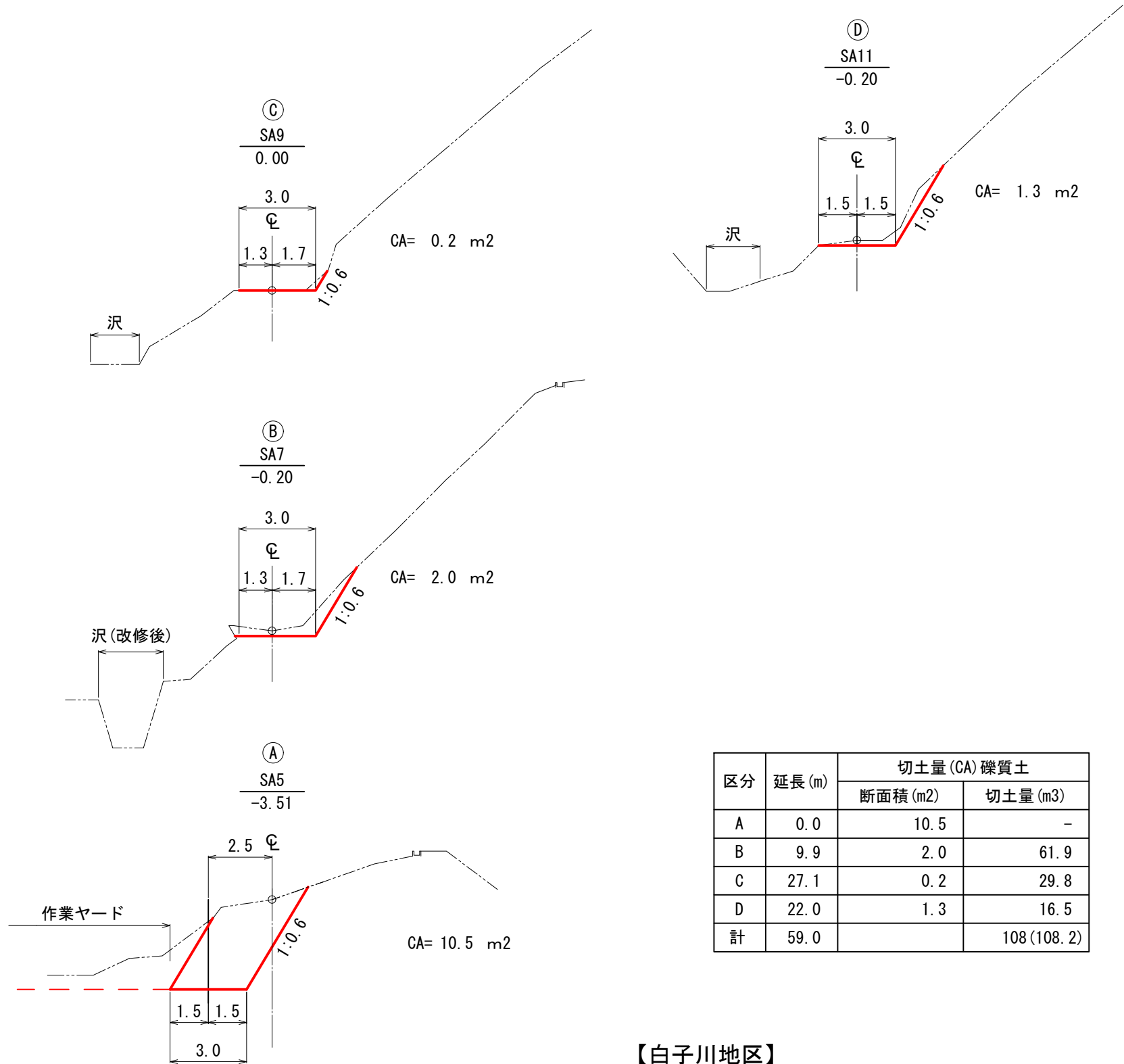
横断面図(作業ヤード)

S= 1/200



横断面図(既設重機道補修)

S= 1/200



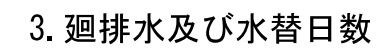
横断No	区分	延長 (m)	切土量 (CA) 礫質土		盛土量 (BA)	
			断面積 (m2)	切土量 (m3)	断面積 (m2)	盛土量 (m3)
①	SABP-1.2	0.0	0.0	-	0.0	-
②	SABP	1.2	0.0	0.0	1.3	0.8
③	SA1	2.1	11.8	12.4	0.0	1.4
④	SA2	2.9	10.0	31.6	0.0	0.0
⑤	SA3	2.7	10.0	27.0	0.0	0.0
⑥	SA4	2.8	7.3	24.2	0.0	0.0
⑦	No. 5+5	5.9	3.0	30.4	0.0	0.0
⑧	(No. 5+5)	0.0	10.2	-	0.0	-
⑨	No. 5+8	3.0	38.4	72.9	0.0	0.0
⑩	No. 6	4.7	32.6	166.9	0.0	0.0
⑪	(No. 6)	0.0	22.0	-	0.0	-
⑫	No. 6+4.3	4.3	15.0	79.6	0.0	0.0
⑬	No. 6-1	1.1	2.6	9.7	0.0	0.0
計		37.7		464 (463.8)		2 (2.2)

区分	延長 (m)	切土量 (CA) 礫質土	
		断面積 (m2)	切土量 (m3)
A	0.0	10.5	-
B	9.9	2.0	61.9
C	27.1	0.2	29.8
D	22.0	1.3	16.5
計	59.0		108 (108.2)

【白子川地区】

図面名	仮施設計画図3-2		
図面番号	10	縮尺	1:200

0.0m 5.0m 10.0m 15.0m 20.0m

$$S = 1/100$$


【戸中(白子川)地区：集水面積17.5ha】

- 水替日数： $1/45 \times 280\text{m}^3(\text{床掘量}) + 1.78 = 8.0\text{日}$

図面名	仮施設計画図 3-3		
図面番号	1 1	縮 尺	1 : 100

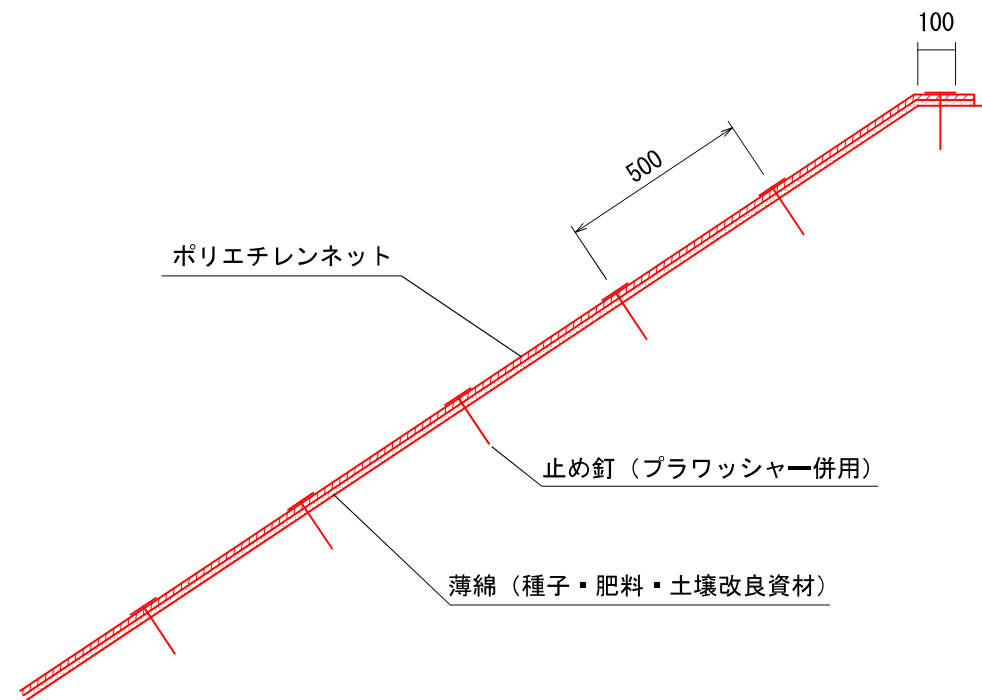
0.0m 2.0m 4.0m 6.0m 8.0m 10.0m

植生ネット伏工標準施工図

(ハリシバエース相当品)

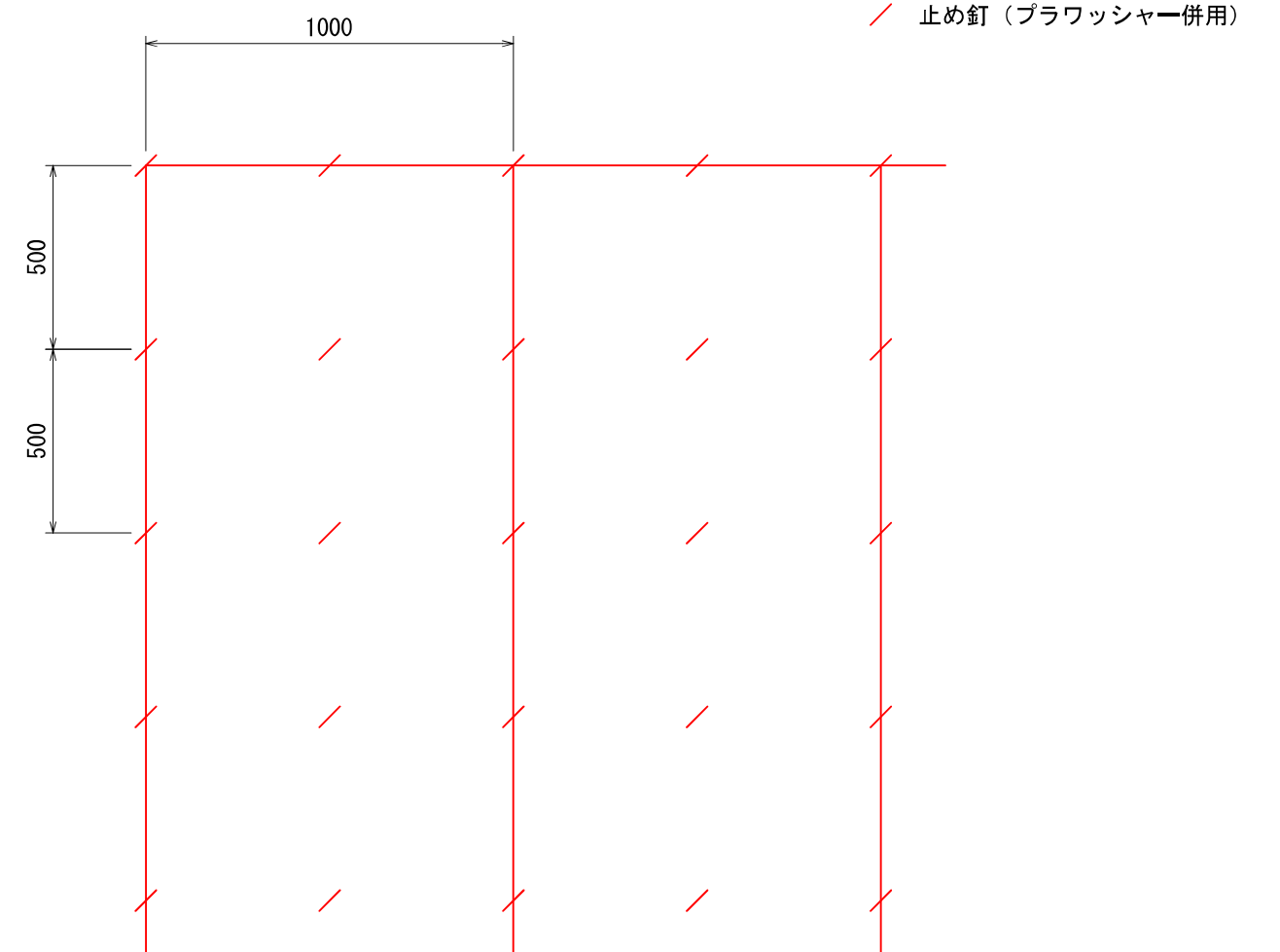
標準断面図

S=1:20



標準展開図

S=1:20



植生ネット標準規格

(単位: mm)

幅	長さ	ネ ッ ト			備 考
		素 材	目 合	色	
1,000	10,000	ポリエチレン	15×20	ディーブグリーン	プラワッシャー付属

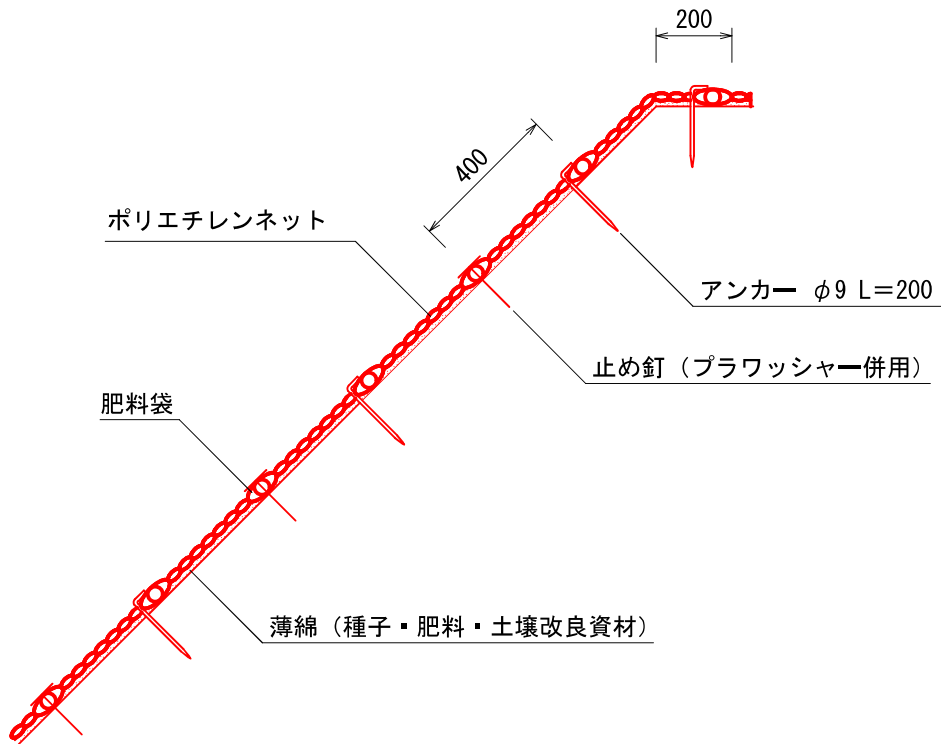
材料表

(100m2当り)

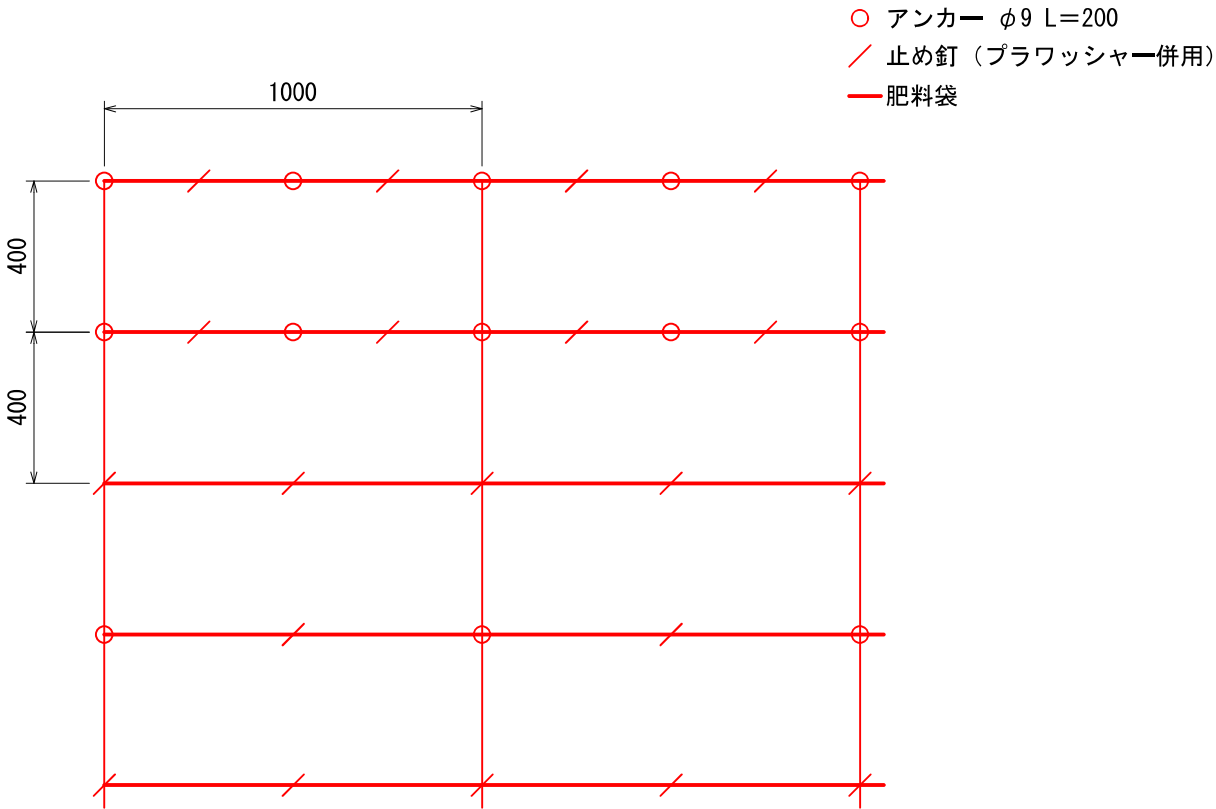
品 名	形 状	単位	数量	備 考
植生ネット	1,000×10,000	m2	110	割増率 10% プラワッシャーを含む
止め釘	L=150	本	441	

植生シート伏工標準施工図
(ハリシバカンガルーN相当品)

標準断面図
S=1:20



標準展開図
S=1:20



植生シート標準規格

(単位 : mm)

幅	長さ	肥料袋間隔	ネ ッ ト				
			素 材	形状	目合	色	補強ロープ
1,000	10,000	400	ポリエチレン	二重編みネット	15×20	ディープグリーン	両端部

材料表

(100m2 当たり)

品 名	形 状	単位	数量	備 考
植生シート	1,000×10,000	m2	120	割増率 20% プラワッシャーを含まない
アンカー	φ9 L=200	本	184	
止め釘	L=150 (プラワッシャー併用)	本	422	

運搬系統図

【白子川地区】 溪間工

[illegible]