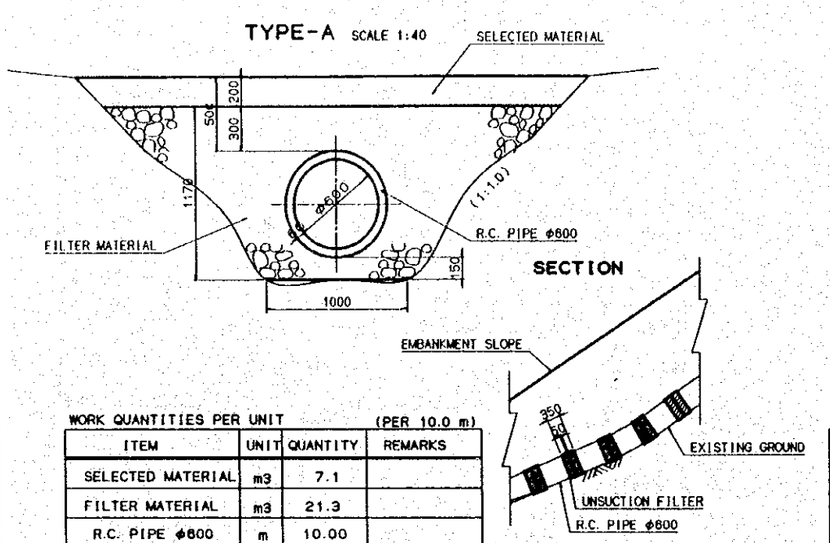
DETAIL OF CROSS DRAIN (2)

A-6-8
DETAIL OF CROSS DRAIN (2)

FLENCH DRAIN

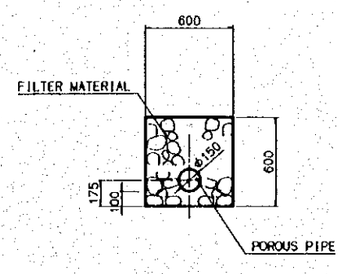
TYPE-A SCALE 1:40



WORK QUANTITIES PER UNIT (PER 10.0 m)

ITEM	UNIT	QUANTITY	REMARKS
SELECTED MATERIAL	m3	7.1	
FILTER MATERIAL	m3	21.3	
R.C. PIPE ϕ600	m	10.00	
UNSUCTION FILTER	m2	22.6	

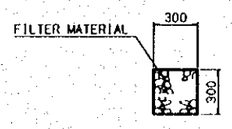
TYPE-B SCALE 1:40



WORK QUANTITIES PER UNIT (PER 10.0 m)

ITEM	UNIT	QUANTITY	REMARKS
FILTER MATERIAL	m3	3.4	SELECTED RIVER GRAVEL
POROUS PIPE	m	10.0	VINL PIPE ϕ150

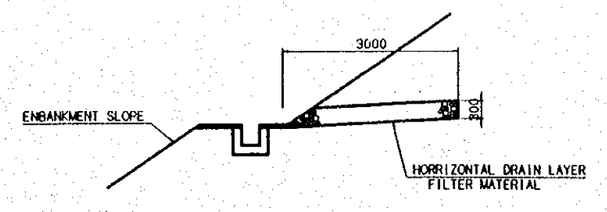
TYPE-C SCALE 1:40



WORK QUANTITIES PER UNIT (PER 10.0 m)

ITEM	UNIT	QUANTITY	REMARKS
FILTER MATERIAL	m3	0.9	SELECTED RIVER GRAVEL

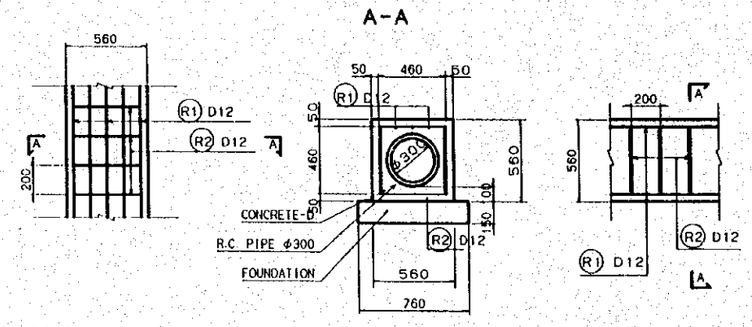
TYPE-D SCALE 1:100



WORK QUANTITIES PER UNIT (PER 10.0 m/LAYER)

ITEM	UNIT	QUANTITY	REMARKS
FILTER MATERIAL	m3	9.0	SELECTED RIVER GRAVEL

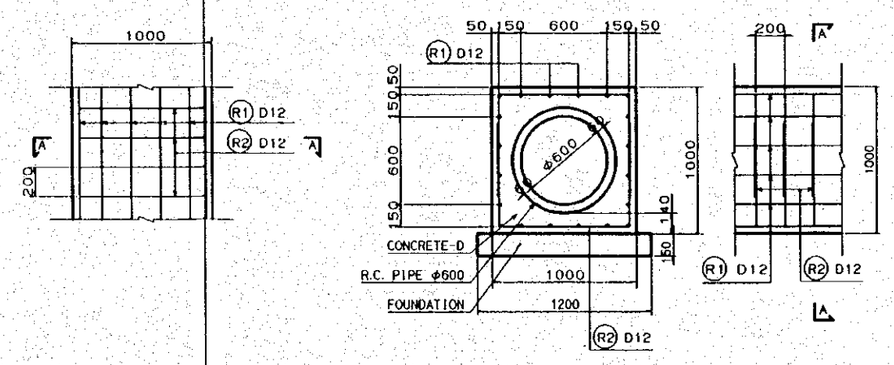
PIPE ϕ300(CON.360°) SCALE 1:40



WORK QUANTITIES PER UNIT (PER 10.0m)

ITEM	UNIT	QUANTITY	REMARKS
R.C. PIPE ϕ300	m	10.00	
CONCRETE-D	m3	2.12	
FORM WORK	m2	11.20	
REINFORCEMENT BAR ϕ12	kgf	154	
FOUNDATION	m3	1.14	SELECTED RIVER GRAVEL
EXCAVATION	m3	7.56	

PIPE ϕ600(CON.360°) SCALE 1:40



WORK QUANTITIES PER UNIT (PER 10.0m)

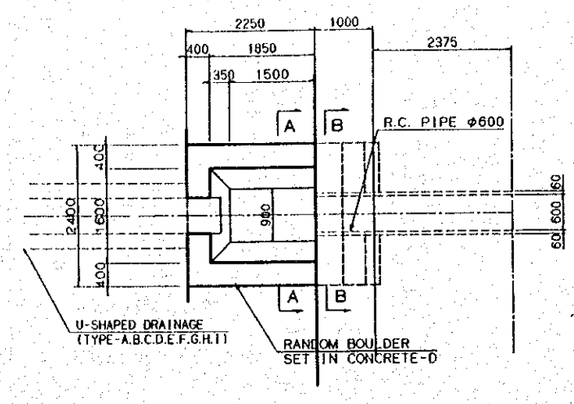
ITEM	UNIT	QUANTITY	REMARKS
R.C. PIPE ϕ600	m	10.00	
CONCRETE-D	m3	5.93	
FORM WORK	m2	20.00	
REINFORCEMENT BAR ϕ12	kgf	384	
FOUNDATION	m3	1.80	SELECTED RIVER GRAVEL
EXCAVATION	m3	19.84	

DETAIL OF CROSS DRAIN (3)

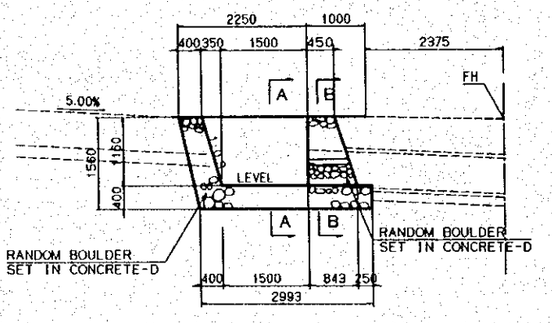
A-6-9
DETAIL OF CROSS DRAIN (3)

CATCH BASIN TYPE-CB1
(for φ600×1)

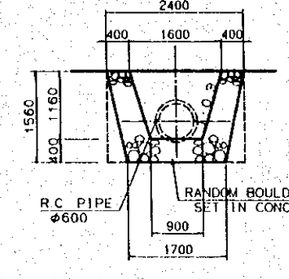
PLAN SCALE 1:100



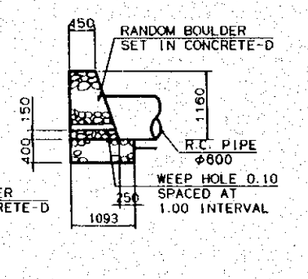
ELEVATION SCALE 1:100



A-A



B-B

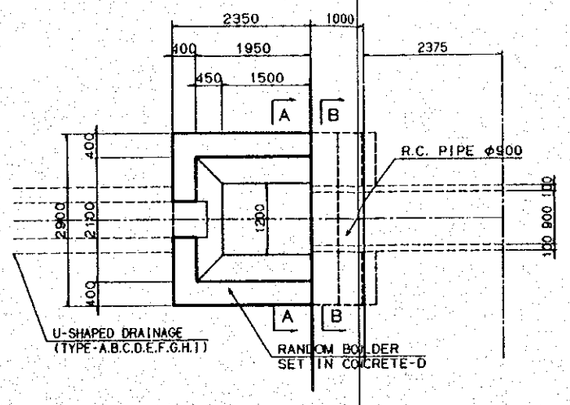


WORK QUANTITIES PER UNIT (PER 1 UNIT)

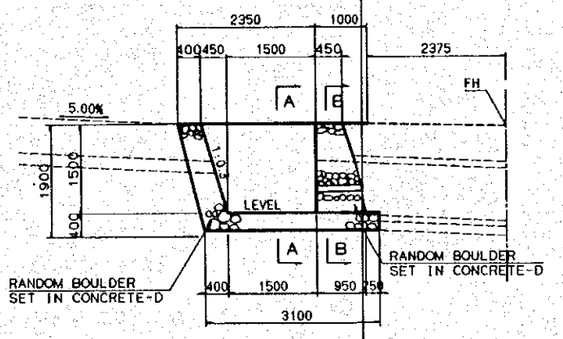
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	6.78	
WEEP DRAIN PIPE	m	1.54	
EXACVATION	m3	11.12	

CATCH BASIN TYPE-CB2
(for φ900×1)

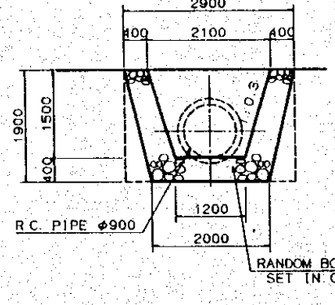
PLAN SCALE 1:100



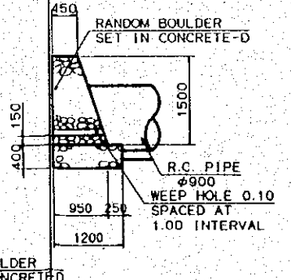
ELEVATION SCALE 1:100



A-A



B-B

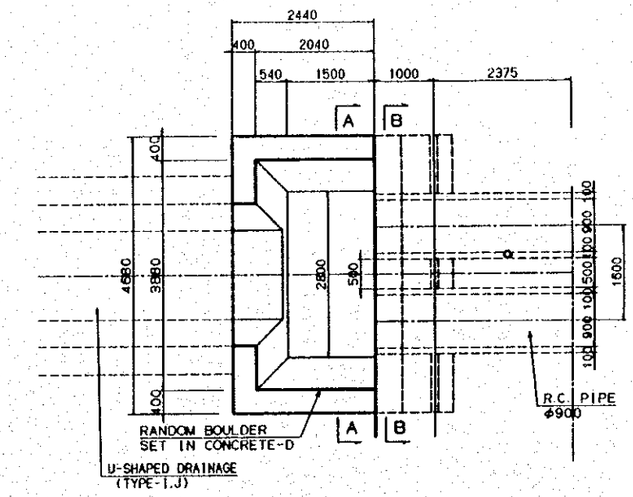


WORK QUANTITIES PER UNIT (PER 1 UNIT)

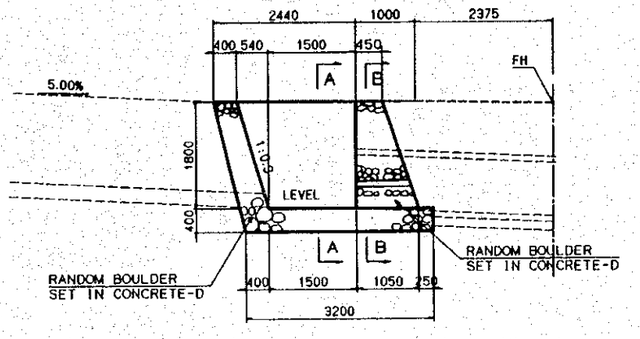
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	9.12	
WEEP DRAIN PIPE	m	1.57	
EXACVATION	m3	27.28	

CATCH BASIN TYPE-CB3
(for φ900×2)

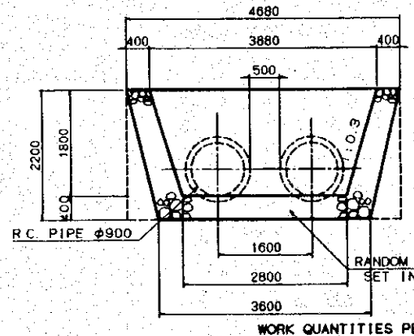
PLAN SCALE 1:100



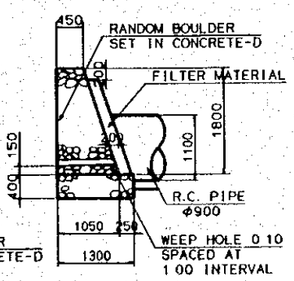
ELEVATION SCALE 1:100



A-A



B-B



WORK QUANTITIES PER UNIT (PER 1 UNIT)

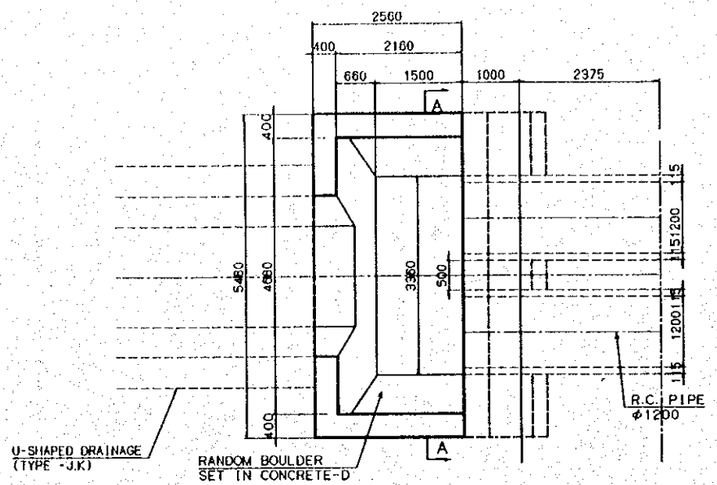
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	15.03	
WEEP DRAIN PIPE	m	2.55	
EXCAVATION	m3	51.52	

DETAIL OF CROSS DRAIN (4)

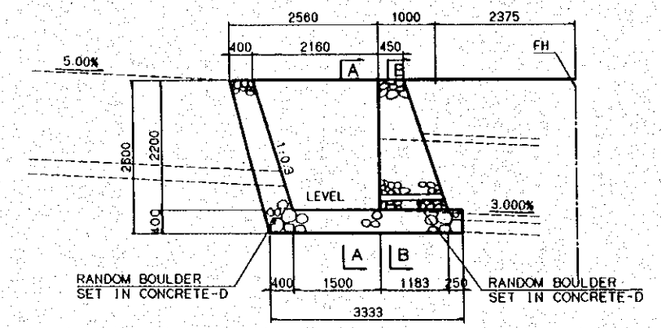
A-6-10
DETAIL OF CROSS DRAIN (4)

CATCH BASIN TYPE-CB4
(for φ1200×2)

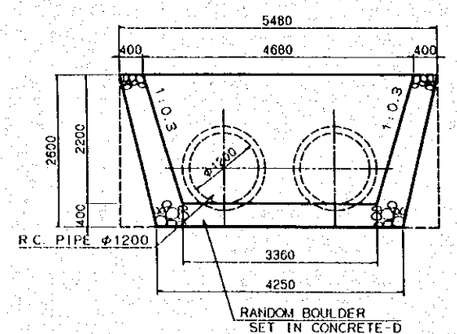
PLAN SCALE 1:100



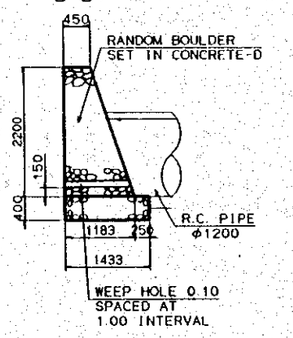
ELEVATION SCALE 1:100



A-A



B-B

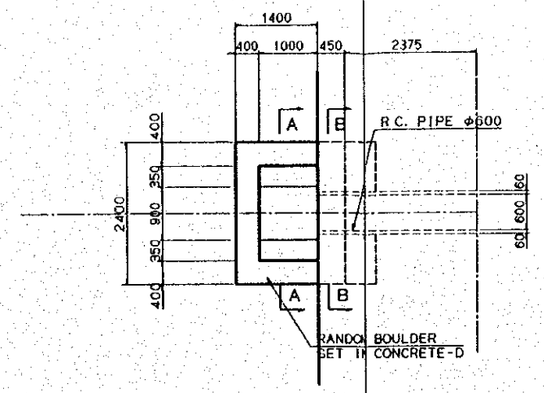


WORK QUANTITIES PER UNIT (PER 1 UNIT)

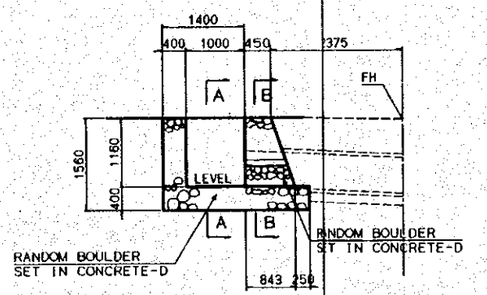
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	20.57	
WEEP DARAIN PIPE	m	2.95	
EXACVATION	m3	77.91	

CATCH BASIN TYPE-CB5
(for φ600×1)

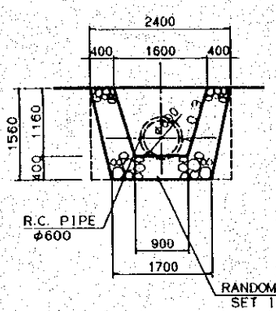
PLAN SCALE 1:100



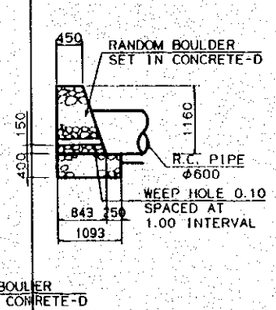
ELEVATION SCALE 1:100



A-A



B-B

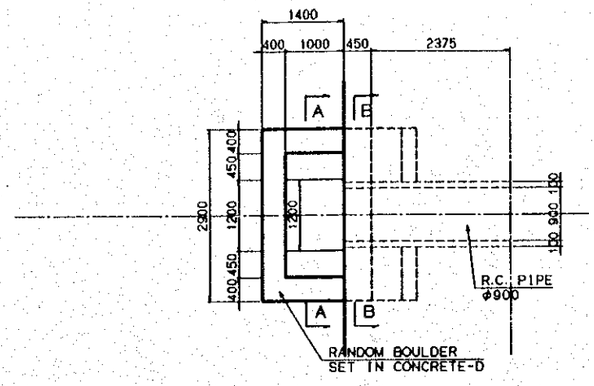


WORK QUANTITIES PER UNIT (PER 1 UNIT)

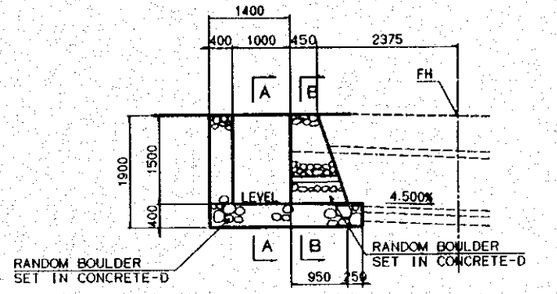
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	5.78	
WEEP DARAIN PIPE	m	1.54	
EXACVATION	m3	10.66	

CATCH BASIN TYPE-CB6
(for φ900×1)

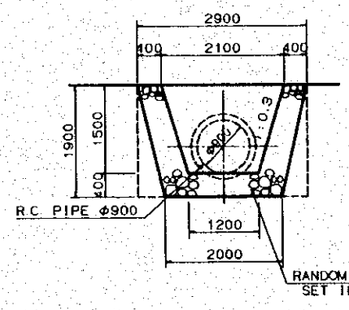
PLAN SCALE 1:100



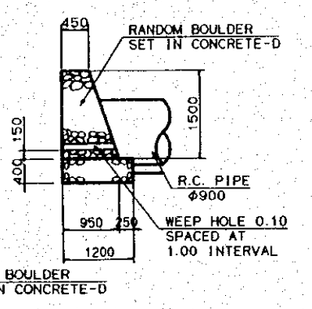
ELEVATION SCALE 1:100



A-A



B-B



WORK QUANTITIES PER UNIT (PER 1 UNIT)

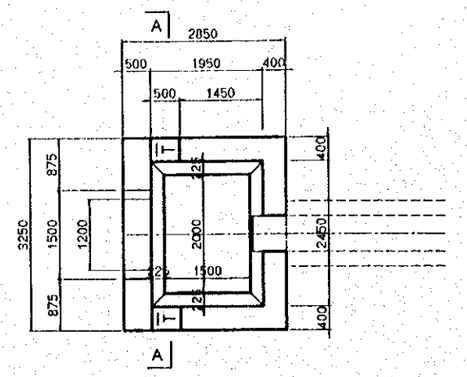
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	7.50	
WEEP DARAIN PIPE	m	1.57	
EXACVATION	m3	24.48	

DETAIL OF CROSS DRAIN (5)

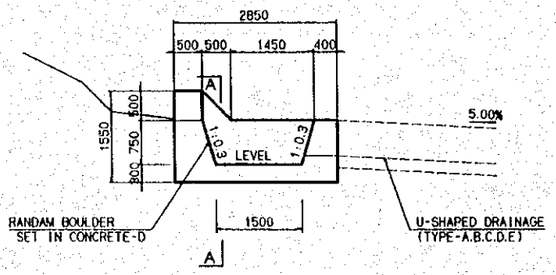
A-6-11
DETAIL OF CROSS DRAIN (5)

CHECK-DAM TYPE-CD1

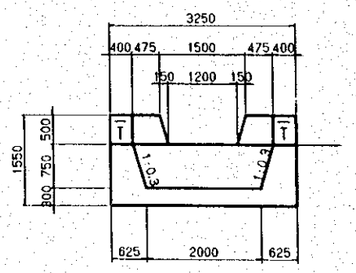
PLAN SCALE 1:100



ELEVATION SCALE 1:100



A-A

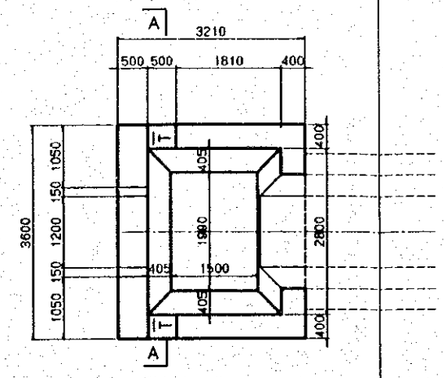


WORK QUANTIES PER UNIT (PER 1 UNIT)

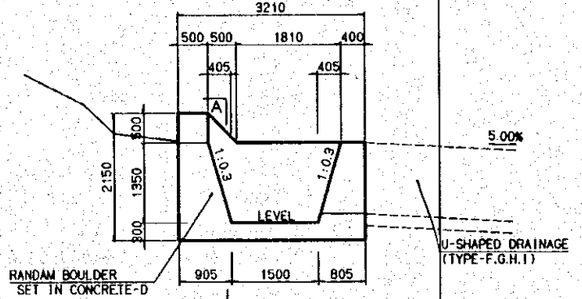
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	7.28	
EXCAVATION	m3	11.95	

CHECK-DAM TYPE-CD2

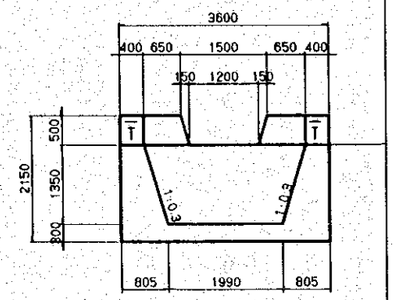
PLAN SCALE 1:100



ELEVATION SCALE 1:100



A-A

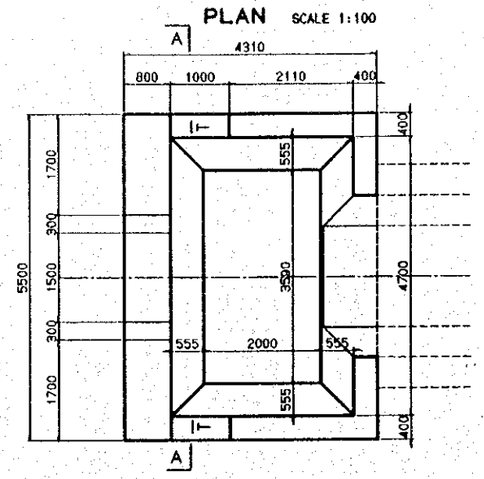


WORK QUANTIES PER UNIT (PER UNIT)

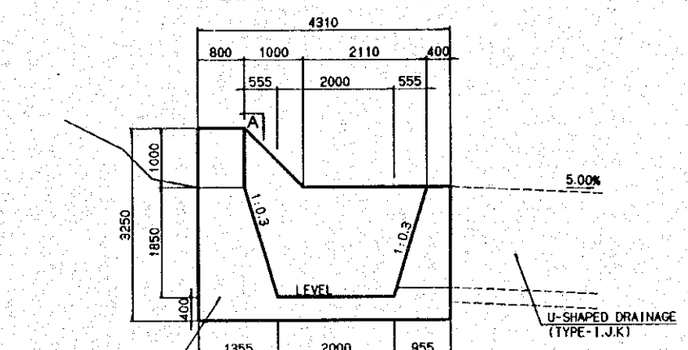
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	12.89	
EXCAVATION	m3	25.44	

CHECK-DAM TYPE-CD3

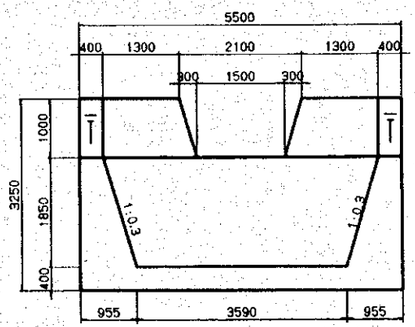
PLAN SCALE 1:100



ELEVATION SCALE 1:100



A-A



WORK QUANTIES PER UNIT (PER 1 UNIT)

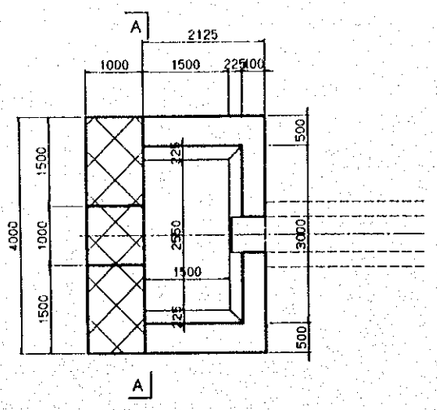
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	40.86	
EXCAVATION	m3	70.29	

DETAIL OF CROSS DRAIN (6)

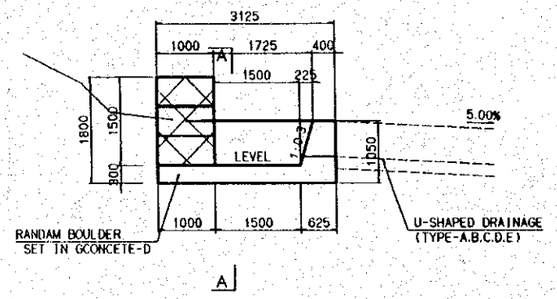
A-6-12
DETAIL OF CROSS DRAIN (6)

CHECK-DAM TYPE-CD4

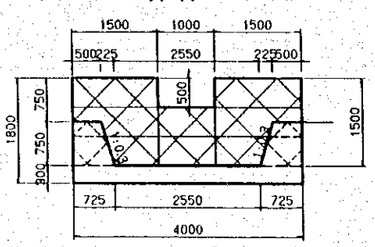
PLAN SCALE 1:100



ELEVATION SCALE 1:100



A-A

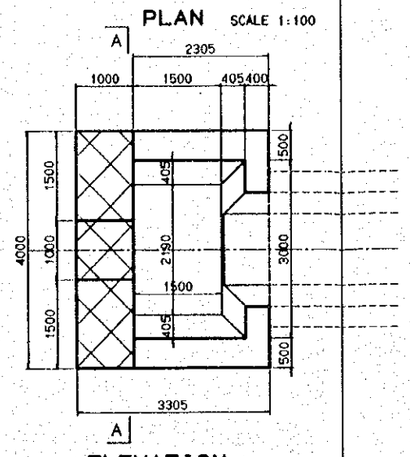


WORK QUANTITIES PER UNIT (PER 1 UNIT)

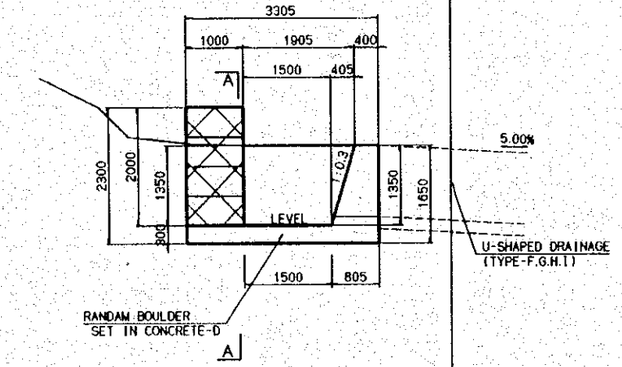
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	8.15	
GABION	m3	5.50	
EXCAVATION	m3	15.69	

CHECK-DAM TYPE-CD5

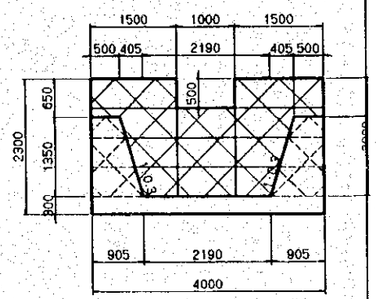
PLAN SCALE 1:100



ELEVATION SCALE 1:100



A-A

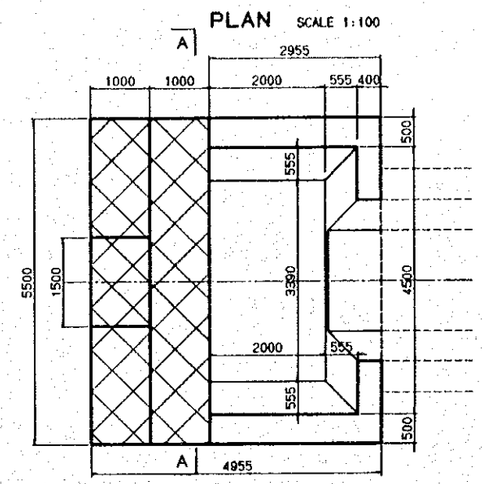


WORK QUANTITIES PER UNIT (PER 1 UNIT)

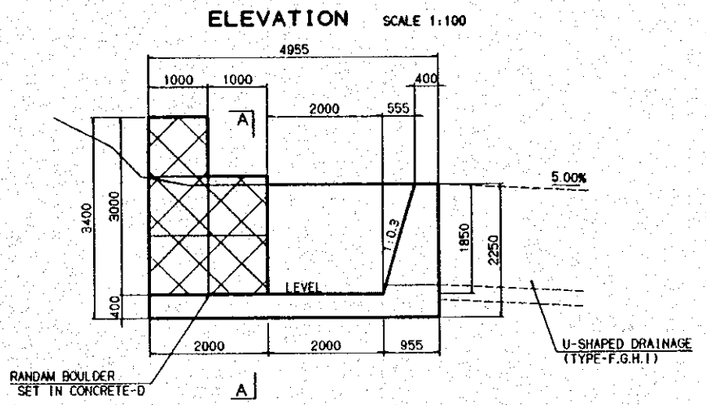
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	11.77	
GABION	m3	7.50	
EXCAVATION	m3	28.59	

CHECK-DAM TYPE-CD6

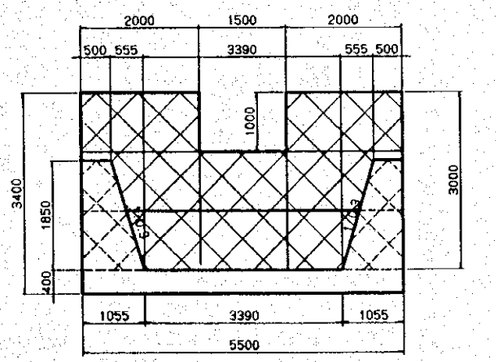
PLAN SCALE 1:100



ELEVATION SCALE 1:100



A-A



WORK QUANTITIES PER UNIT (PER 1 UNIT)

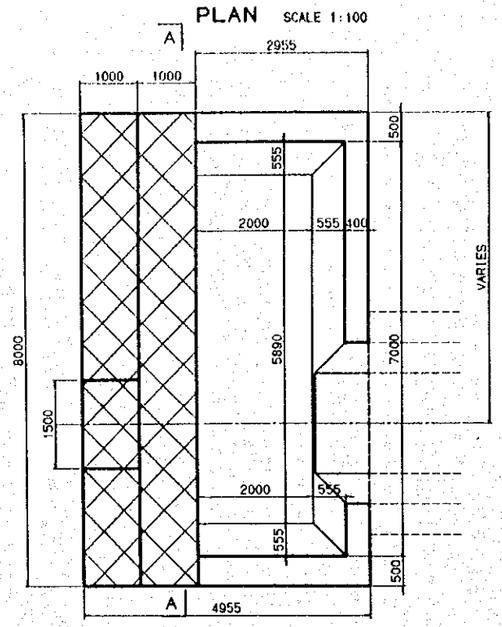
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	28.70	
GABION	m3	26.00	
EXCAVATION	m3	79.25	

DETAIL OF CROSS DRAIN (7)

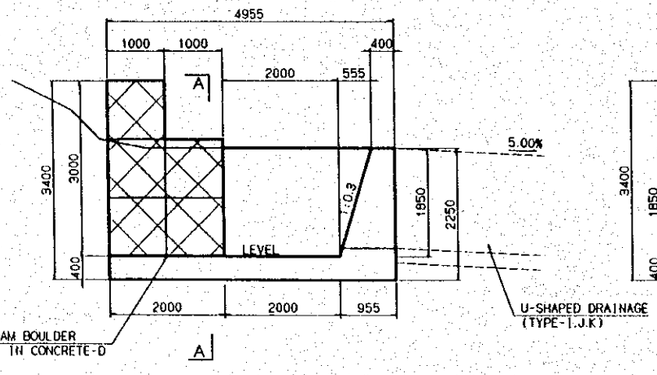
A-6-13
DETAIL OF CROSS DRAIN (7)

CHECK-DAM TYPE-CD7

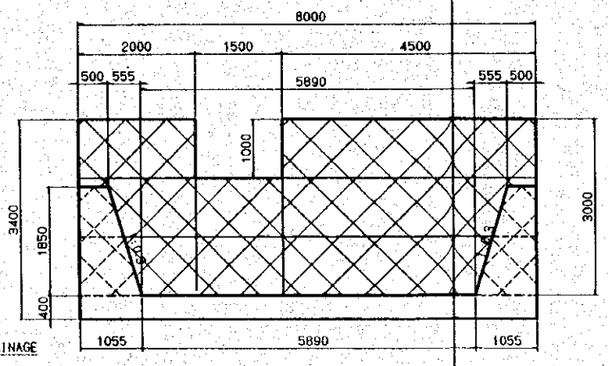
PLAN SCALE 1:100



ELEVATION SCALE 1:100



A-A

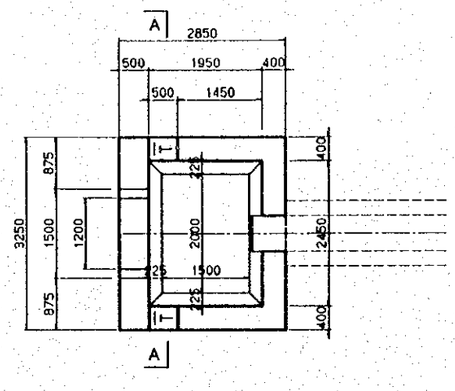


WORK QUANTITIES PER UNIT (PER 1 UNIT)

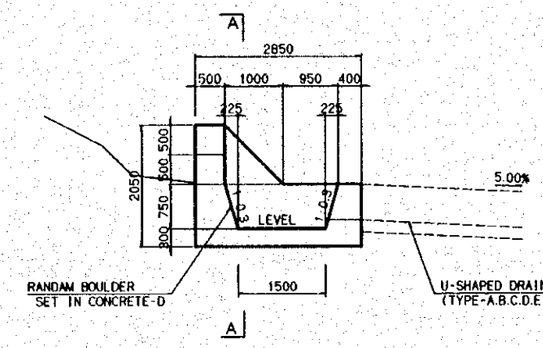
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	36.78	
GABION	m3	36.50	
EXCAVATION	m3	110.92	

CHECK-DAM TYPE-CD8

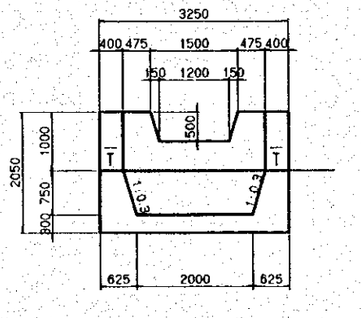
PLAN SCALE 1:100



ELEVATION SCALE 1:100



A-A



WORK QUANTITIES PER UNIT (PER 1 UNIT)

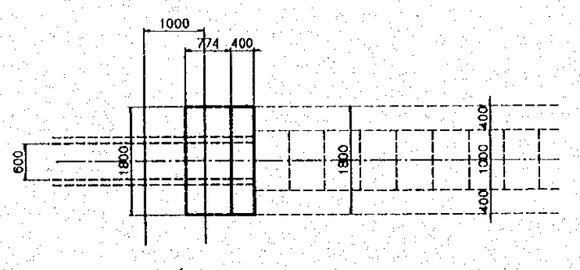
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	8.09	
EXCAVATION	m3	11.95	

DETAIL OF CROSS DRAIN (8)

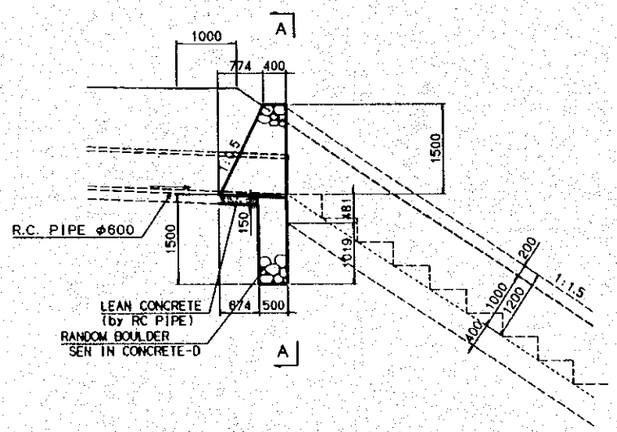
A-6-14
DETAIL OF CROSS DRAIN (8)

OUTLET TYPE-OL1
(for φ600×1)

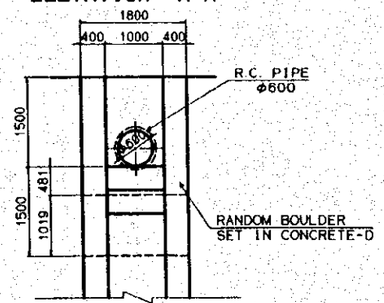
PLAN SCALE 1:100



ELEVATION SCALE 1:100



ELEVATION A-A

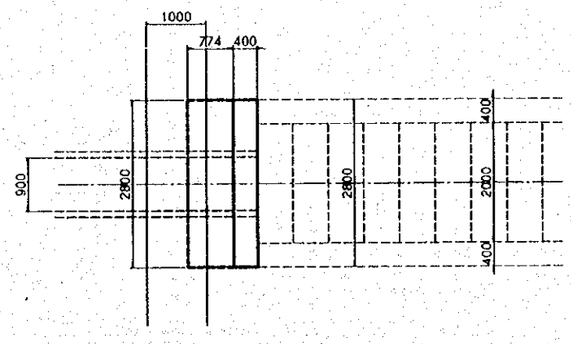


WORK QUANTITIES PER UNIT (PER 1 UNIT)

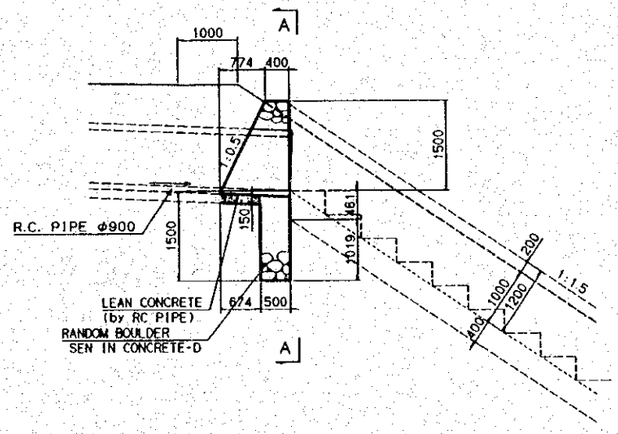
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	2.80	

OUTLET TYPE-OL2
(for φ900×1)

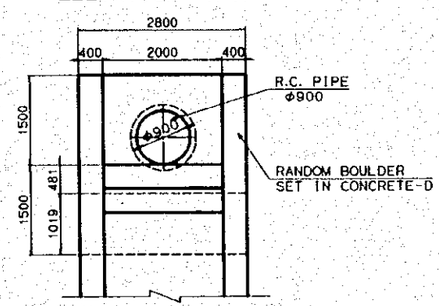
PLAN SCALE 1:100



ELEVATION SCALE 1:100



ELEVATION A-A



WORK QUANTITIES PER UNIT (PER 1 UNIT)

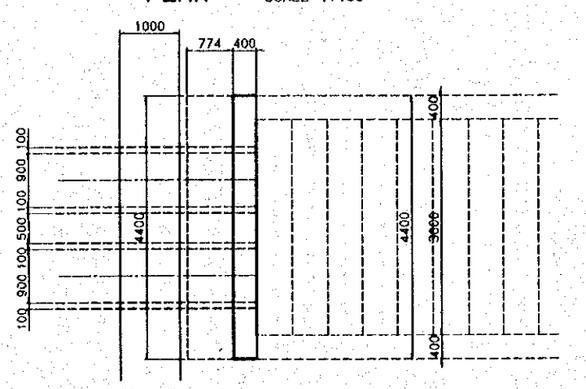
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	4.73	

DETAIL OF CROSS DRAIN (9)

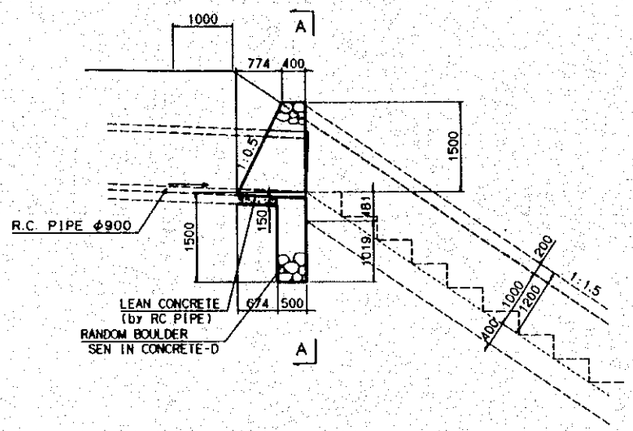
A-8-15
DETAIL OF CROSS DRAIN (9)

OUTLET TYPE-OL3
(for φ900×2)

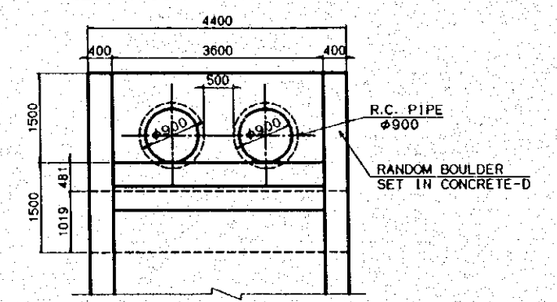
PLAN SCALE 1:100



ELEVATION SCALE 1:100



ELEVATION A-A

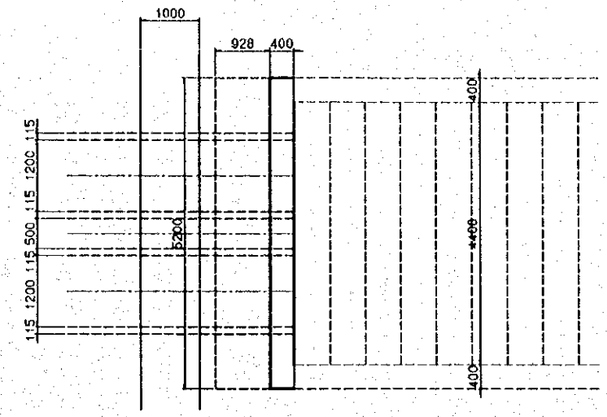


WORK QUANTITIES PER UNIT (PER 1 UNIT)

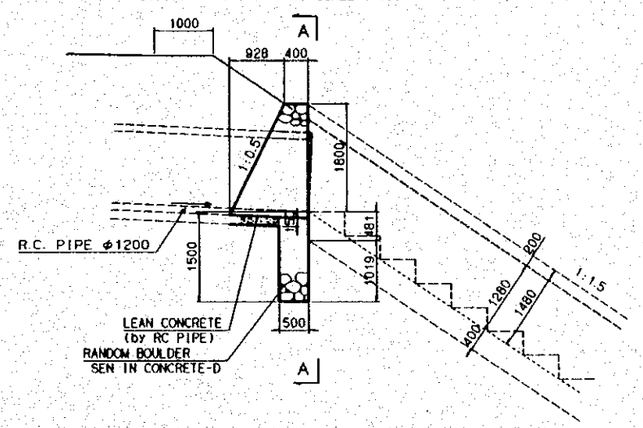
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	7.05	

OUTLET TYPE-OL4
(for φ1200×2)

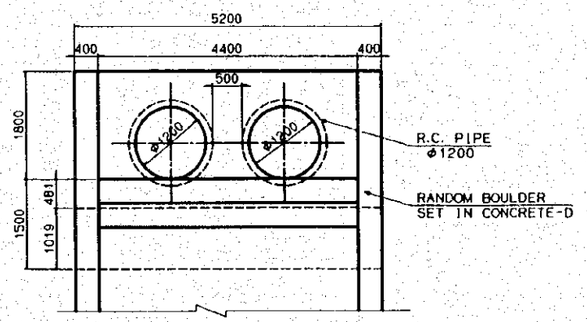
PLAN SCALE 1:100



ELEVATION SCALE 1:100



ELEVATION A-A



WORK QUANTITIES PER UNIT (PER 1 UNIT)

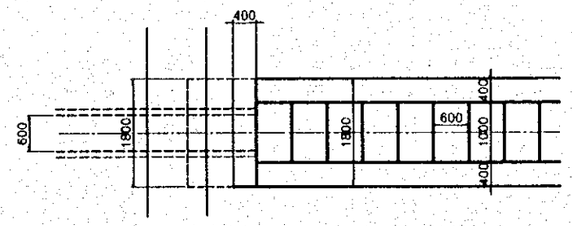
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	9.23	

DETAIL OF CROSS DRAIN (10)

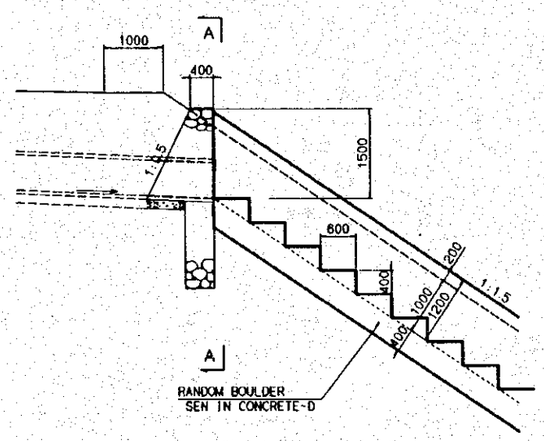
A-6-16
DETAIL OF CROSS DRAIN (10)

CHUTE TYPE-CH1
(for φ600×1)

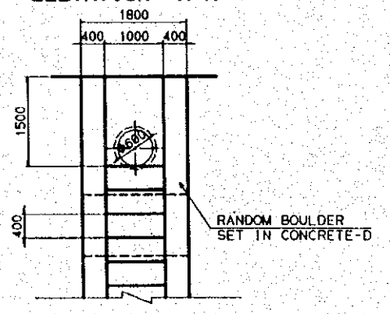
PLAN SCALE 1:100



ELEVATION SCALE 1:100



ELEVATION A-A

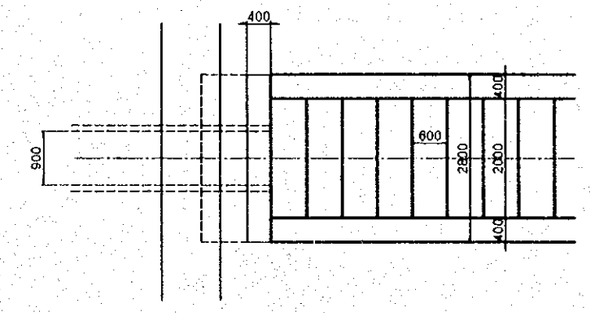


WORK QUANTITIES PER UNIT (PER 1 UNIT)

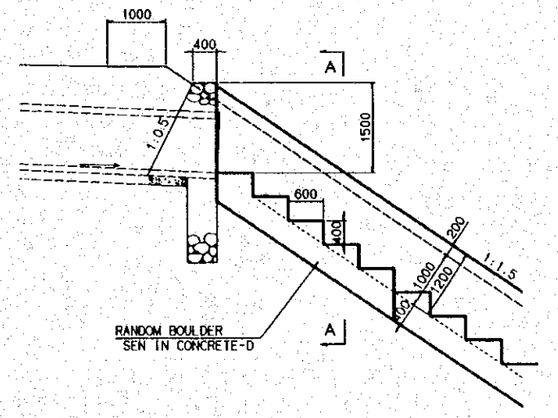
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	18.37	

CHUTE TYPE-CH2
(for φ900×1)

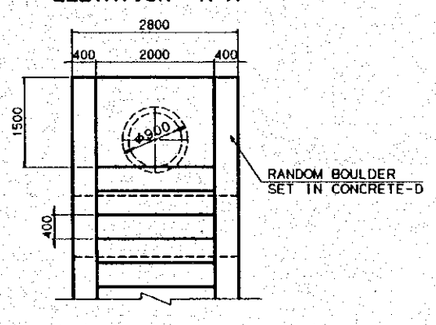
PLAN SCALE 1:100



ELEVATION SCALE 1:100



ELEVATION A-A



WORK QUANTITIES PER UNIT (PER 10m)

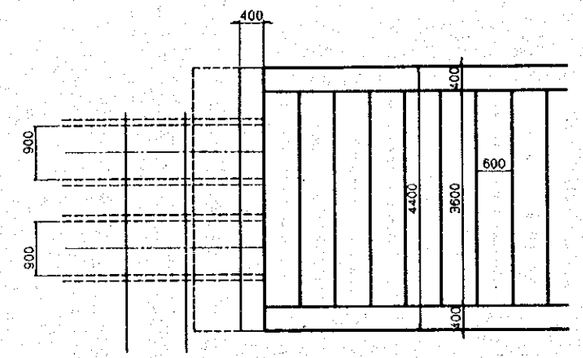
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	25.16	

DETAIL OF CROSS DRAIN (11)

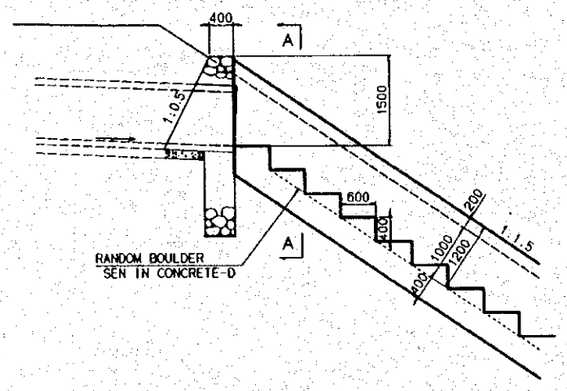
A-6-17
DETAIL OF CROSS DRAIN
(11)

CHUTE TYPE-CH3
(for φ0.900×2)

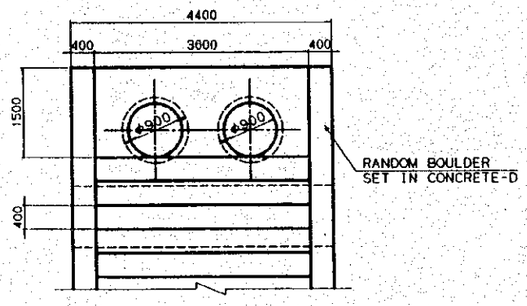
PLAN SCALE 1:100



ELEVATION SCALE 1:100



ELEVATION A-A

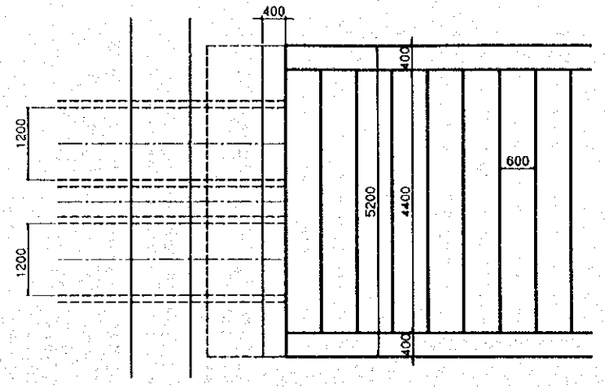


WORK QUANTITIES PER UNIT (PER 10m)

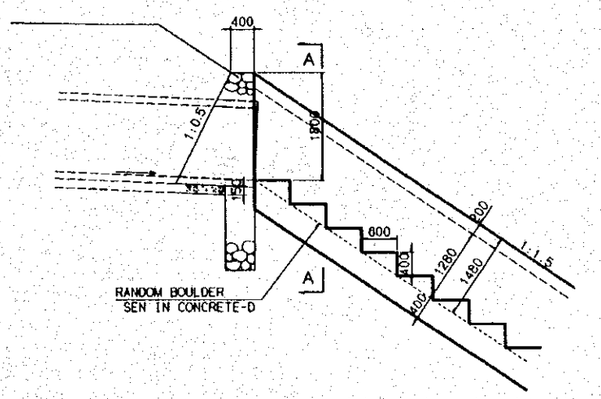
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	38.77	

CHUTE TYPE-CH4
(for φ1200×2)

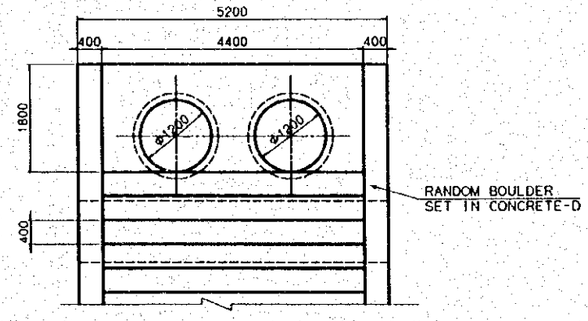
PLAN SCALE 1:100



ELEVATION SCALE 1:100



ELEVATION A-A



WORK QUANTITIES PER UNIT (PER 10m)

ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	44.10	

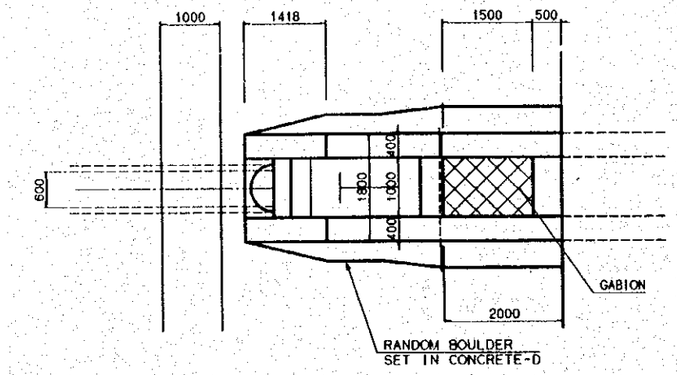
DETAIL OF CROSS DRAIN (12)

A-6-18
DETAIL OF CROSS DRAIN (12)

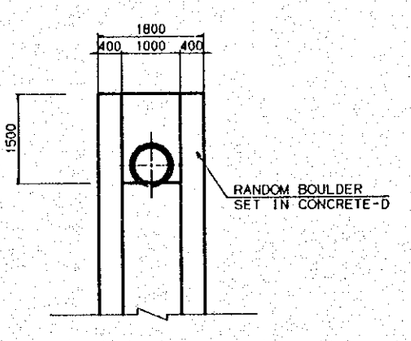
CHUTE TYPE-CH5

(for φ600×1) SCALE 1:100

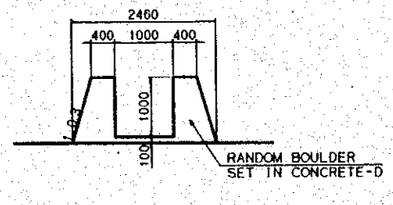
PLAN



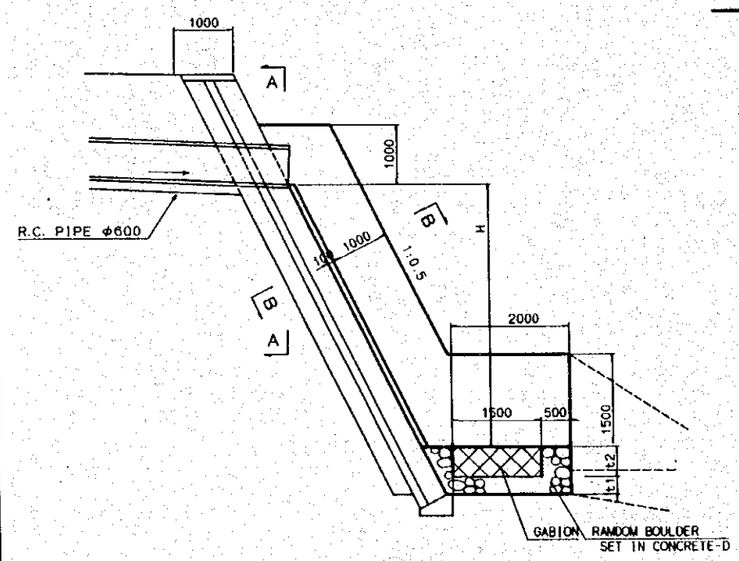
ELEVATION A-A



ELEVATION B-B



ELEVATION



φ0.900m		
	CONCRETE	GABION
H(m)	t1(m)	t2(m)
3.0	0.30	0.50
4.0	0.30	0.50
5.0	0.30	0.50
6.0	0.45	0.50
7.0	0.45	1.00
8.0	0.45	1.00

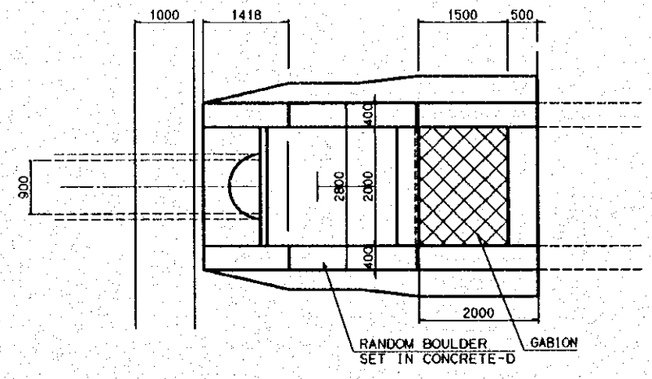
WORK QUANTITIES PER UNIT (PER 1 UNIT)

ITEM	UNIT	QUANTITY					
		H=3.0m	H=4.0m	H=5.0m	H=6.0m	H=7.0m	H=8.0m
RANDOM BOULDER SET IN CONCRETE-D	m3	5.29	6.64	8.00	9.73	12.4	13.8
GABION	m3	1.50	1.50	1.50	1.50	3.00	3.00

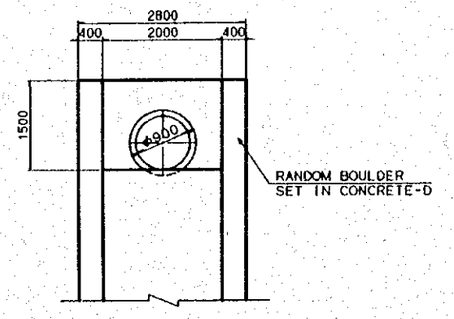
CHUTE TYPE-CH6

(for φ900×1) SCALE 1:100

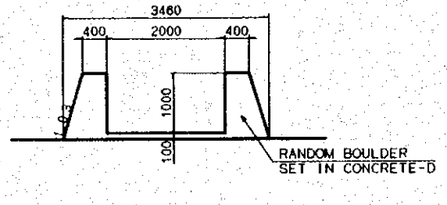
PLAN



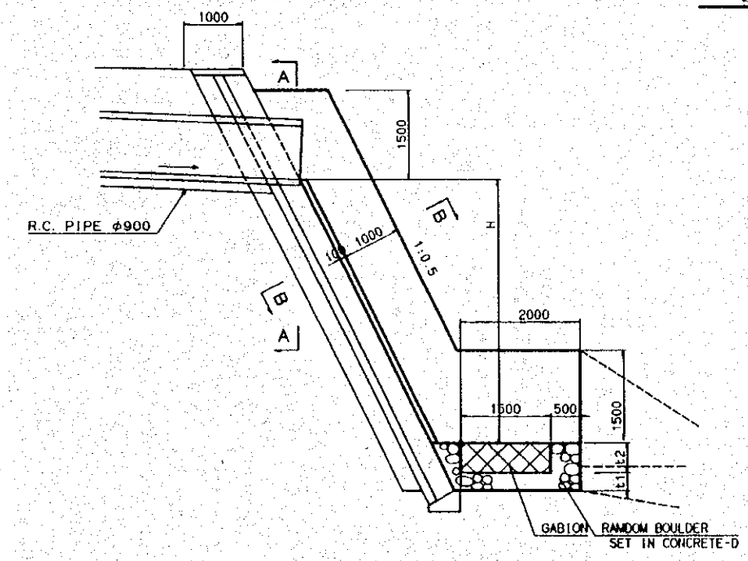
ELEVATION A-A



ELEVATION B-B



ELEVATION



φ0.900m		
	CONCRETE	GABION
H(m)	t1(m)	t2(m)
3.0	0.30	0.50
4.0	0.30	0.50
5.0	0.30	0.50
6.0	0.45	0.50
7.0	0.45	1.00
8.0	0.45	1.00

WORK QUANTITIES PER UNIT (PER 1 UNIT)

ITEM	UNIT	QUANTITY					
		H=3.0m	H=4.0m	H=5.0m	H=6.0m	H=7.0m	H=8.0m
RANDOM BOULDER SET IN CONCRETE-D	m3	8.06	9.52	11.0	13.2	17.4	18.8
GABION	m3	1.50	1.50	1.50	1.50	3.00	3.00

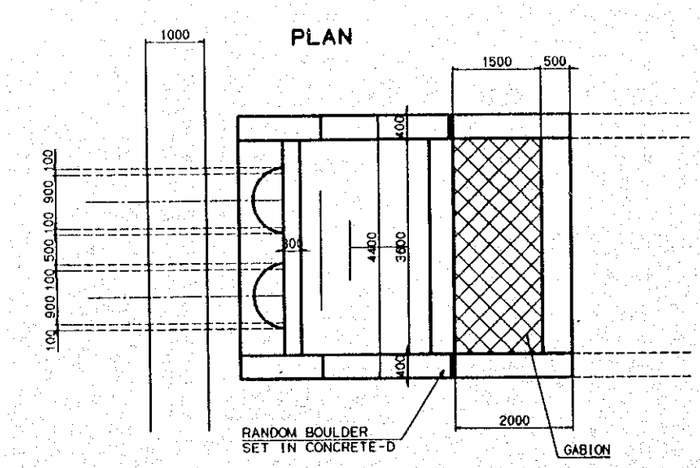
DETAIL OF CROSS DRAIN (13)

A-6-19
DETAIL OF CROSS DRAIN (13)

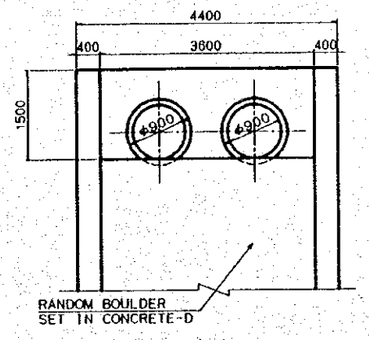
CHUTE TYPE-CH7

(for φ900×2) SCALE 1:100

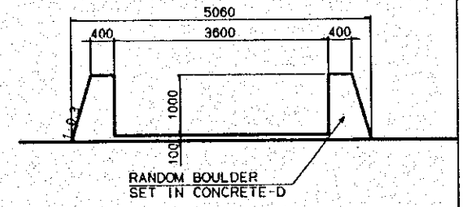
PLAN



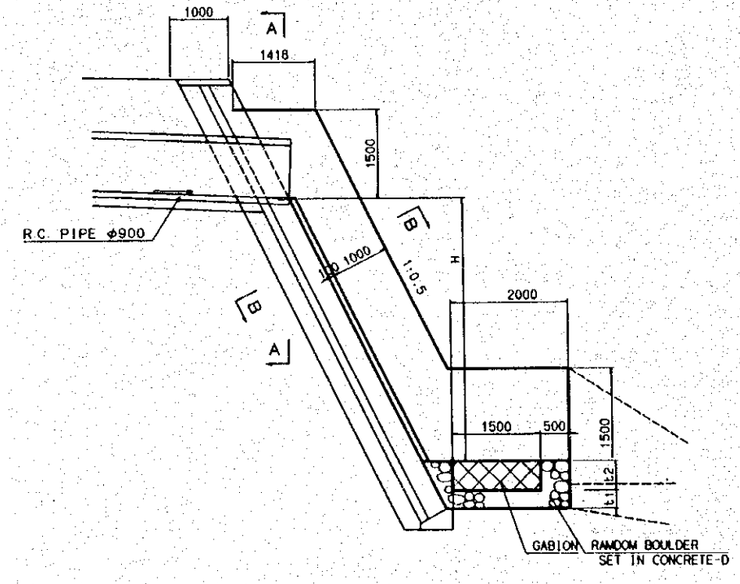
ELEVATION A-A



ELEVATION B-B



ELEVATION



φ900m		
H(m)	CONCRETE t1(m)	GABION t2(m)
3.0	0.30	0.50
4.0	0.30	0.50
5.0	0.30	0.50
6.0	0.45	0.50
7.0	0.45	1.00
8.0	0.45	1.00

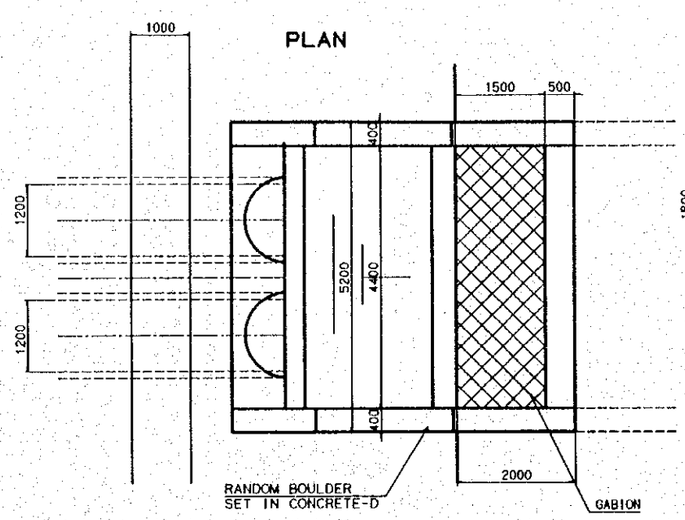
WORK QUANTITIES PER UNIT (PER 1 UNIT)

ITEM	UNIT	QUANTITY H=3.0m	H=4.0m	H=5.0m	H=6.0m	H=7.0m	H=8.0m
RANDOM BOULDER SET IN CONCRETE-D	m3	10.9	12.5	14.1	17.1	23.6	25.2
GABION	m3	1.50	1.50	1.50	1.50	3.00	3.00

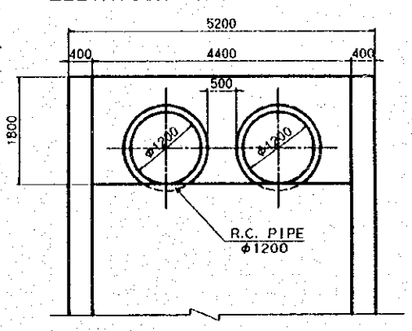
CHUTE TYPE-CH8

(for φ1200×2) SCALE 1:100

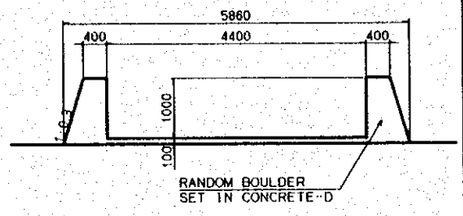
PLAN



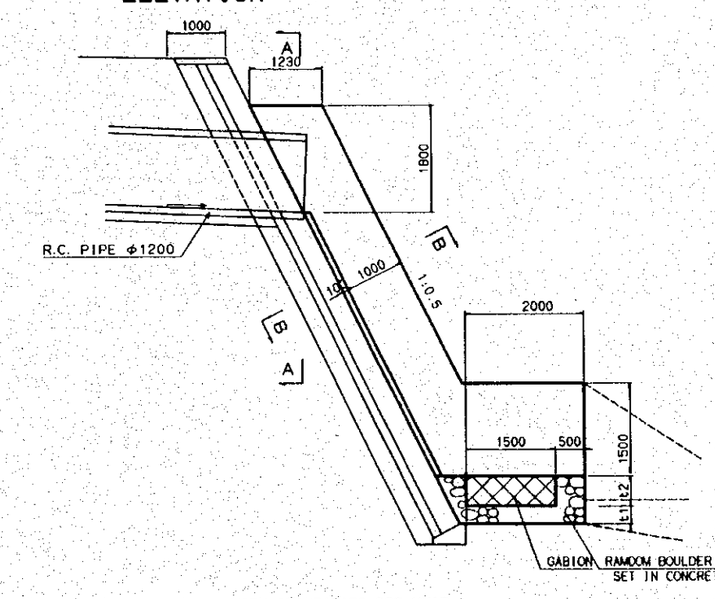
ELEVATION A-A



ELEVATION B-B



ELEVATION



φ1200m		
H(m)	CONCRETE t1(m)	GABION t2(m)
3.0	0.30	0.50
4.0	0.30	0.50
5.0	0.45	0.50
6.0	0.45	0.50
7.0	0.45	1.00
8.0	0.45	1.00

WORK QUANTITIES PER UNIT (PER 1 UNIT)

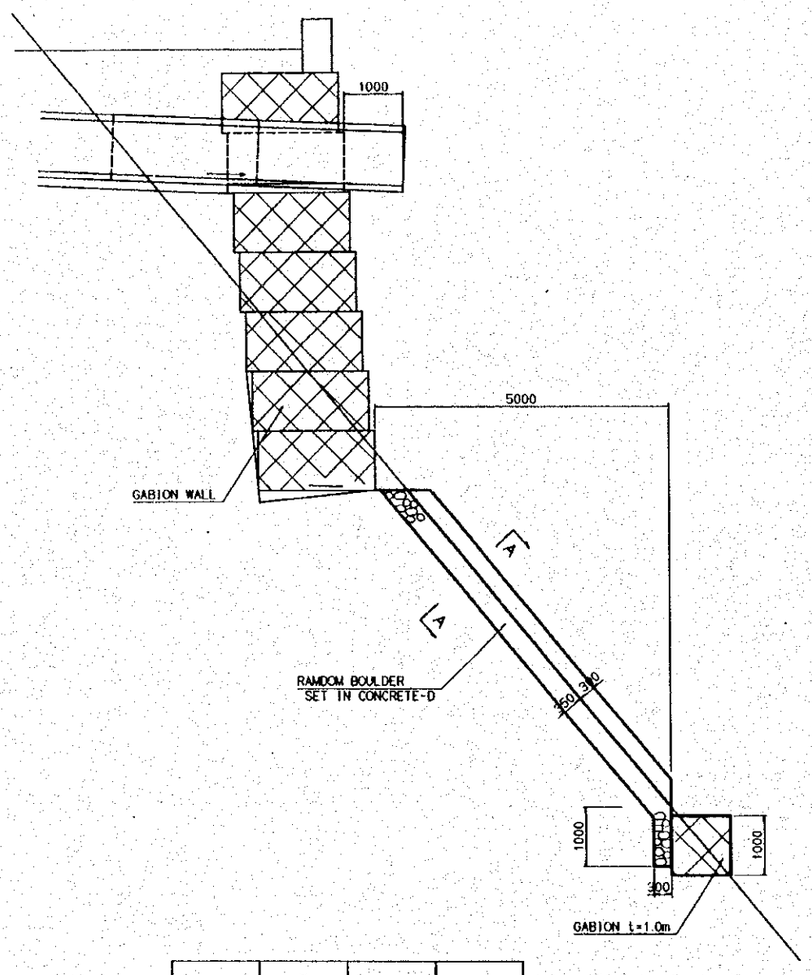
ITEM	UNIT	QUANTITY H=3.0m	H=4.0m	H=5.0m	H=6.0m	H=7.0m	H=8.0m
RANDOM BOULDER SET IN CONCRETE-D	m3	12.6	14.3	16.0	19.4	27.0	28.7
GABION	m3	1.50	1.50	1.50	1.50	3.00	3.00

DETAIL OF CROSS DRAIN (14)

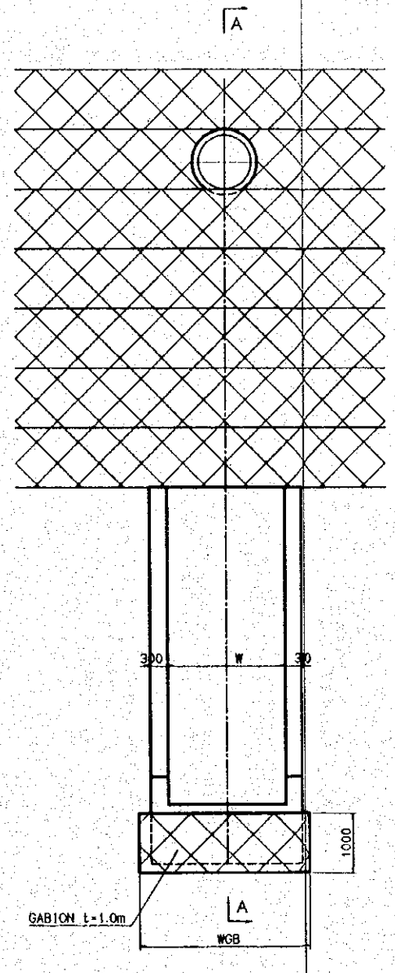
A-6-20
DETAIL OF CROSS DRAIN (14)

CHUTE TYPE-CH9.10.11.12 SCALE 1:100

SECTION A-A

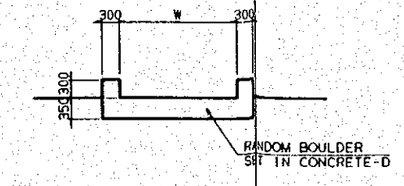


ELEVATION



TYPE	W	WGB	REMARKS
CH9	1000	2000	φ600x1
CH10	2000	3000	φ900x1
CH11	3600	4000	φ900x2
CH12	4400	5000	φ1200x2

SECTION B-B



WORK QUANITIES PER UNIT (PER 1nos)

ITEM	UNIT	QUANTITY				REMARKS
		CH9	CH10	CH11	CH12	
RANDOM BOULDER SET IN CONCRETE-D	m3	5.43	8.05	12.2	14.3	
EXCAVATION	m3	4.19	6.81	11.0	13.1	
GABION (t=1.0m)	m3	2.0	3.0	4.0	5.0	

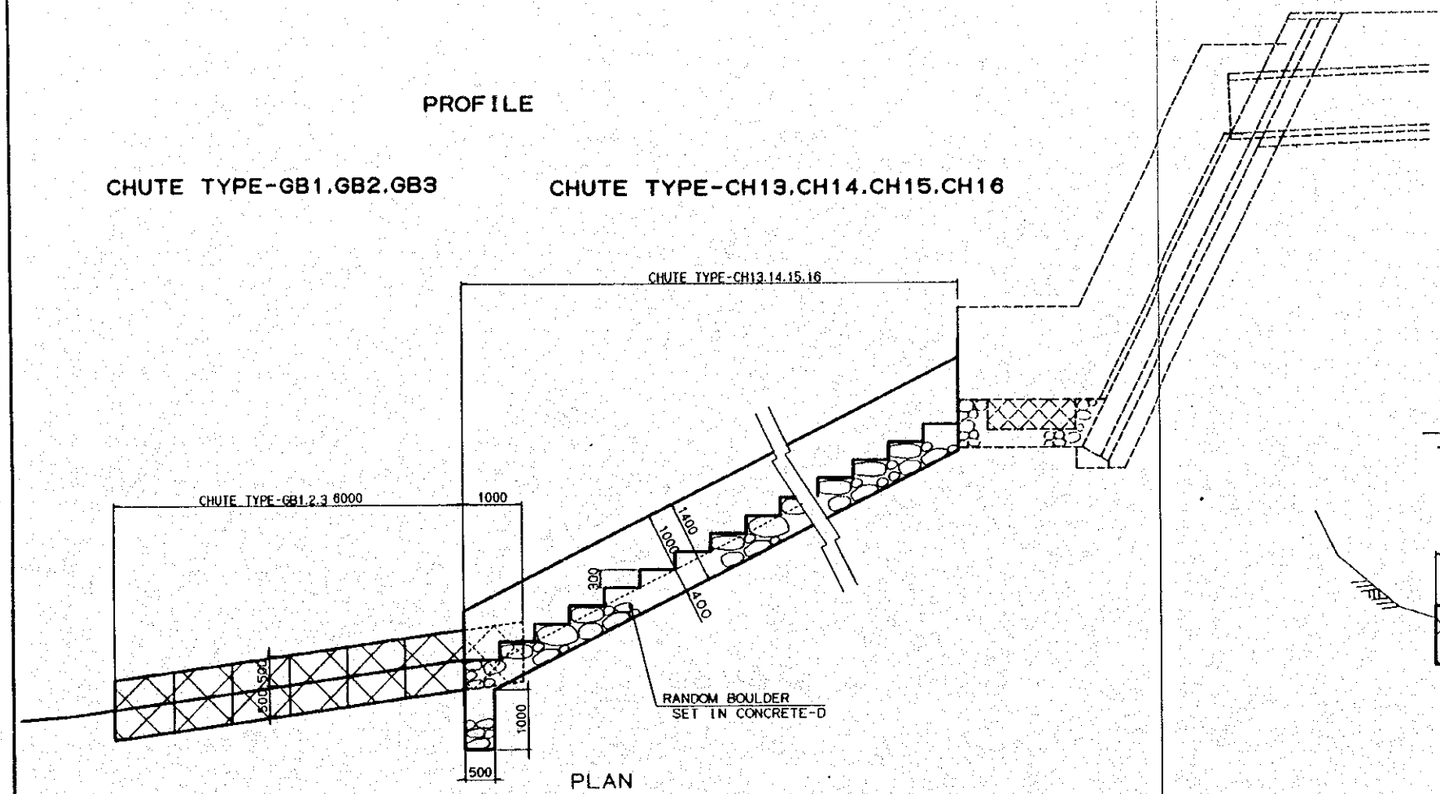
DETAIL OF CROSS DRAIN (15)

A-6-21
DETAIL OF CROSS DRAIN (15)

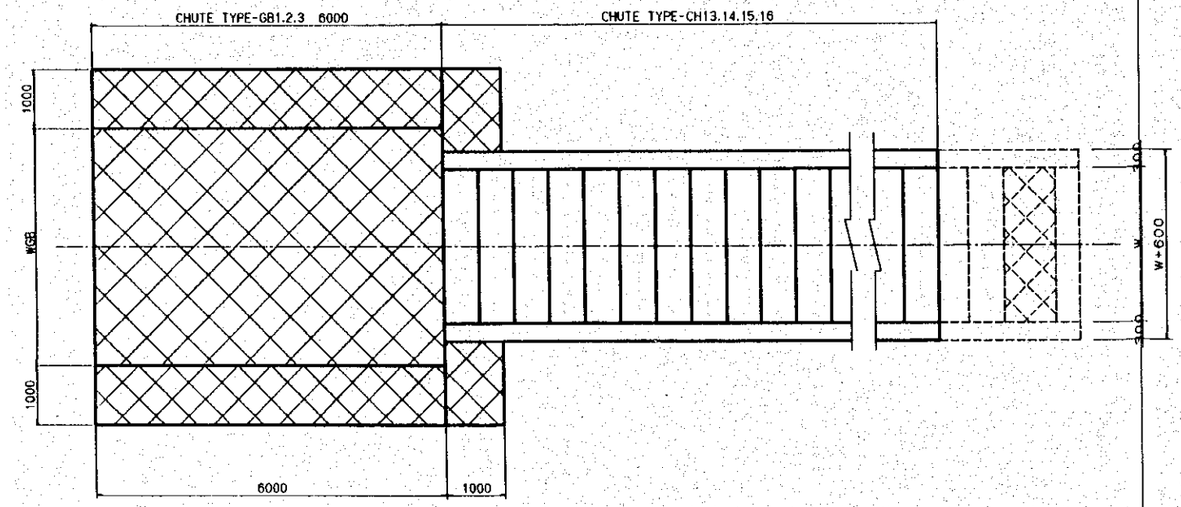
PROFILE

CHUTE TYPE-GB1.GB2.GB3

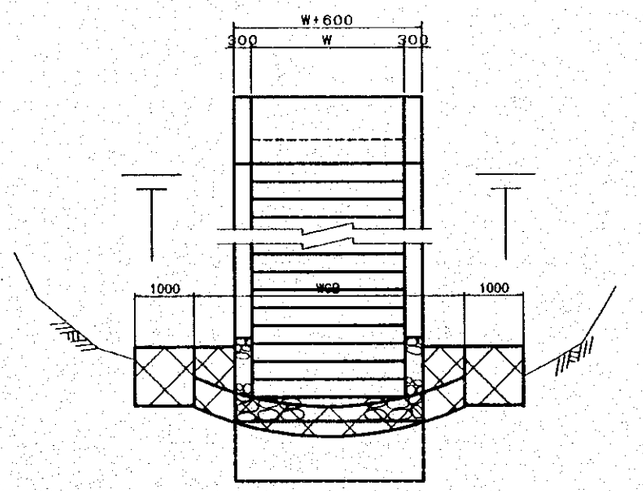
CHUTE TYPE-CH13.CH14.CH15.CH16



PLAN



ELEVATION



CHUTE TYPE-CH7.8.9

TYPE	W
CH13	1000
CH14	2000
CH15	3600
CH16	4400

CHUTE TYPE-GB1.2.3

TYPE	WGB
GB1	2000
GB2	3000
GB3	4000
GB4	5000

WORK QUANITIES PER UNIT (PER 10.0m)

ITEM	UNIT	QUANTITY				REMARKS
		CH13	CH14	CH15	CH16	
RANDOM BOULDER SET IN CONCRETE-D	m3	12.5	15.3	19.7	22.0	
EXCAVATION	m3	7.36	11.4	18.0	21.2	
BACK FILL	m3	3.84	5.24	7.48	8.60	

WORK QUANITIES PER UNIT (PER 1nos)

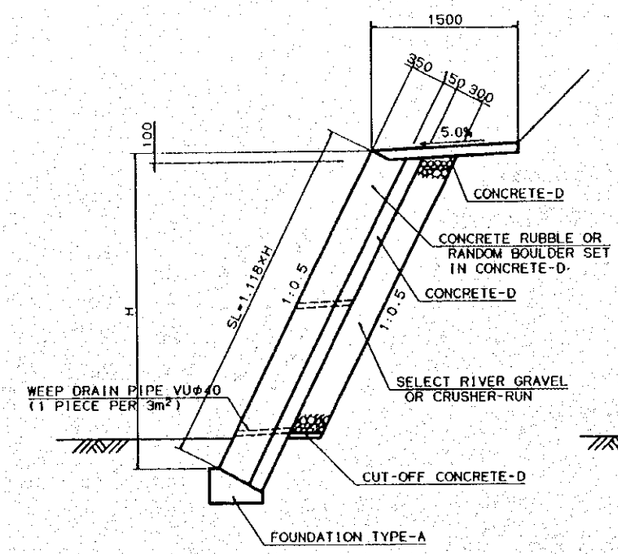
ITEM	UNIT	QUANTITY				REMARKS
		GB1	GB2	GB3	GB4	
GABION (t=1.0m)	m3	14.0	14.0	14.0	14.0	
GABION (t=0.5m)	m3	6.0	9.0	12.0	15.0	
EXCAVATION	m3	13.0	16.0	19.0	22.0	

TYPICAL CROSS SECTION OF RETAINING WALLS

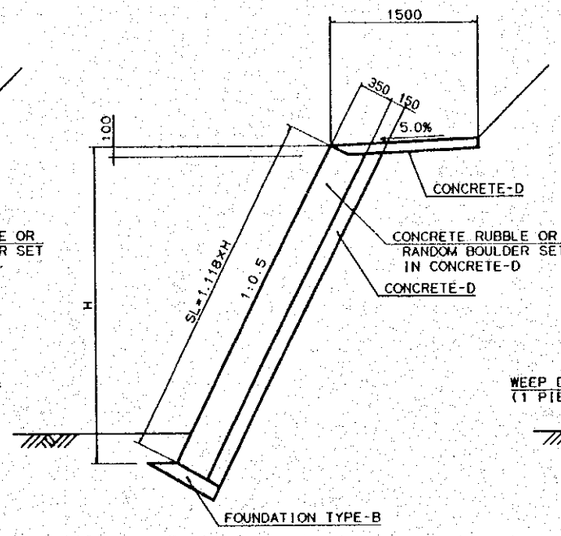
SCALE 1:60

A-7-1
TYPICAL CROSS SECTION OF RETAINING WALLS

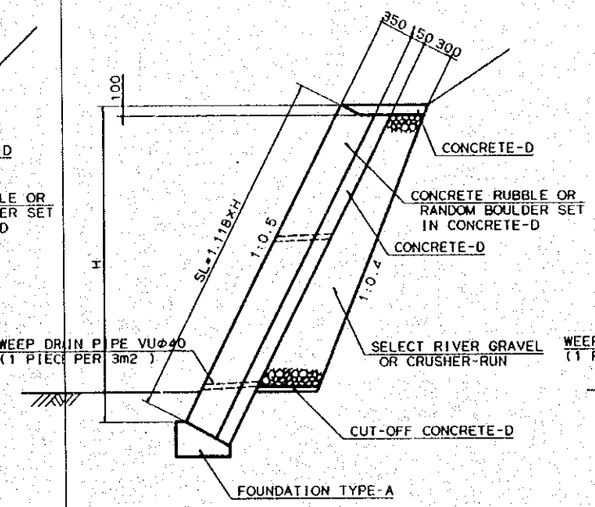
TYPE-A
CUTTING (SOIL SECTION)



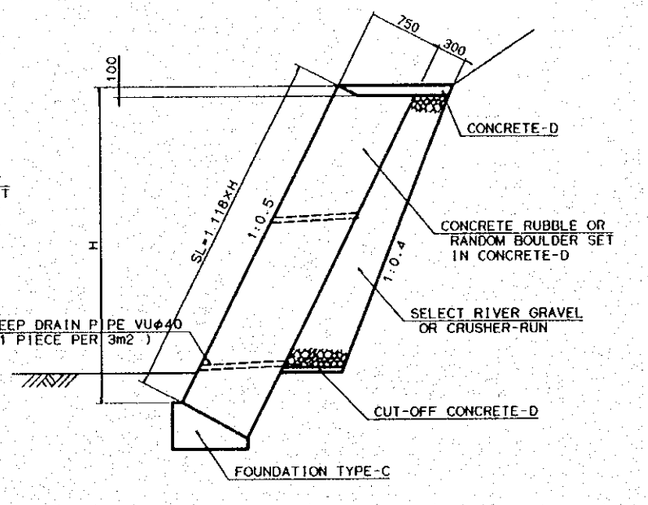
TYPE-B
CUTTING (ROCK SECTION)



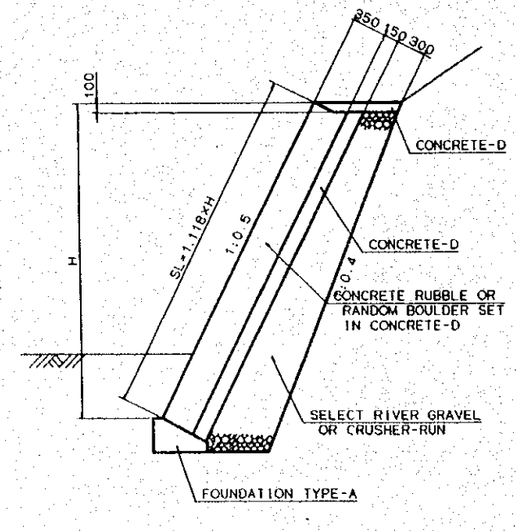
TYPE-C
EMBANKMENT



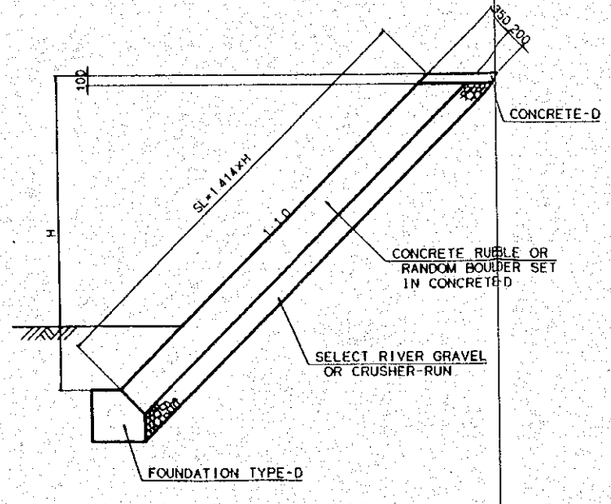
TYPE-D
EMBANKMENT



TYPE-E
REVETMENT

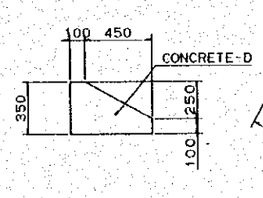


TYPE-F
REVETMENT

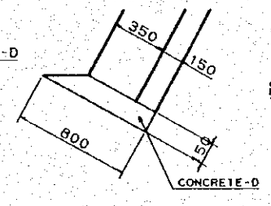


FOUNDATION DETAIL SCALE 1:40

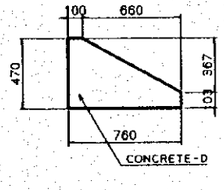
TYPE-A



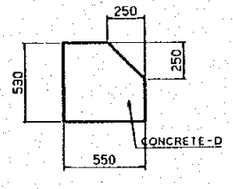
TYPE-B



TYPE-C



TYPE-D

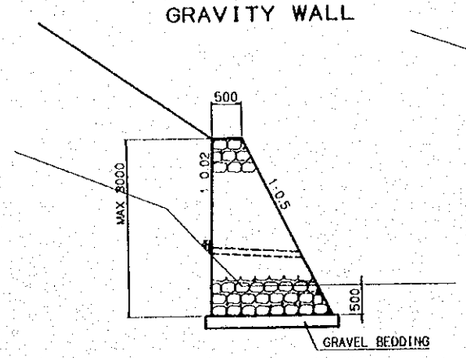


L-TYP

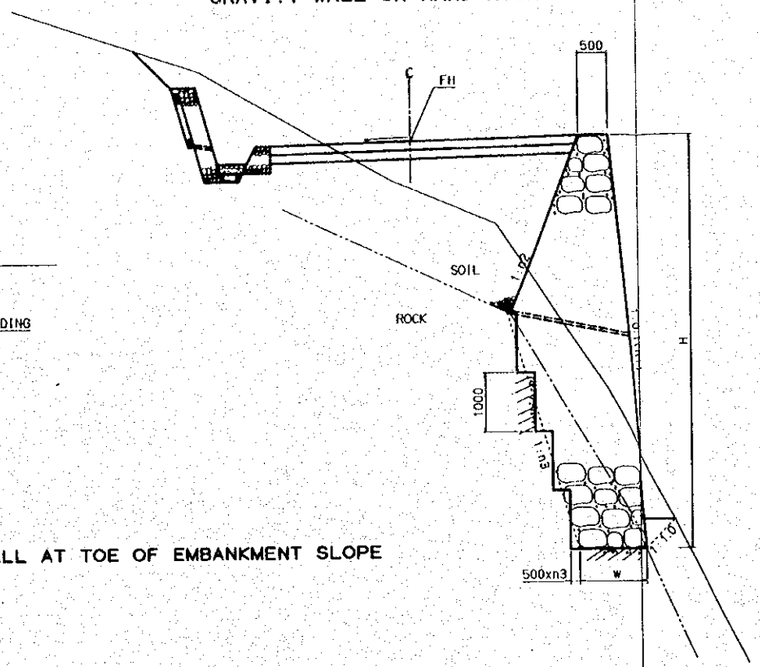
GRAVITY WALL .GABION WALL AND REINFORCED EMBANKMENT

A-7-2
GRAVITY WALL .GABION WALL AND REINFORCED EMBANKMENT

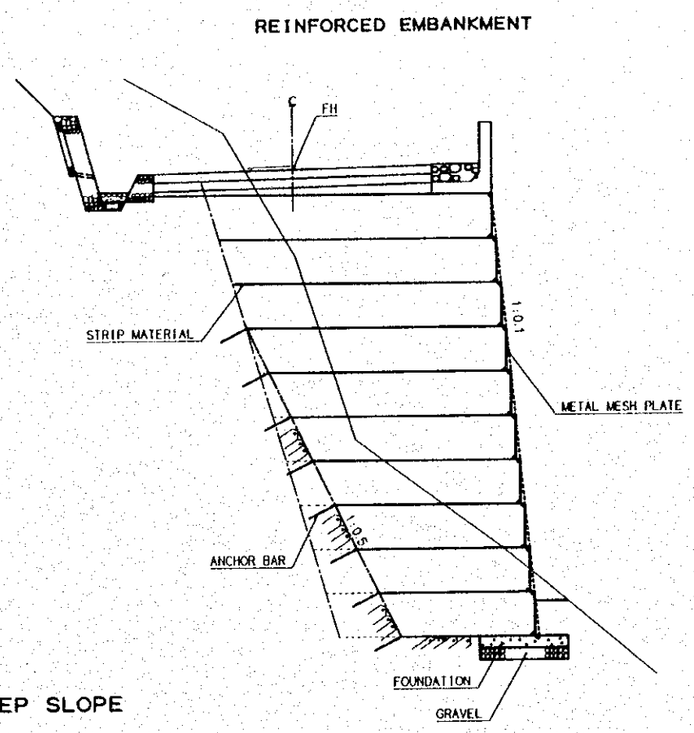
GRAVITY WALL



GRAVITY WALL ON HARD ROCK

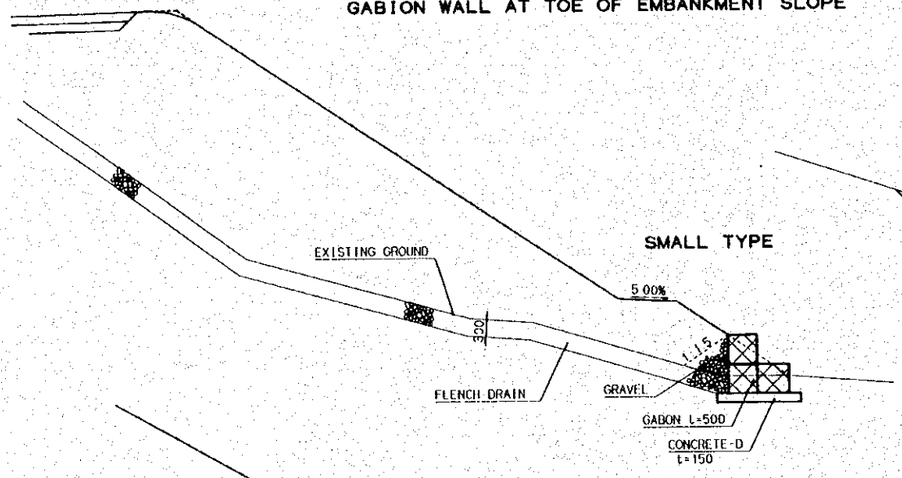


REINFORCED EMBANKMENT

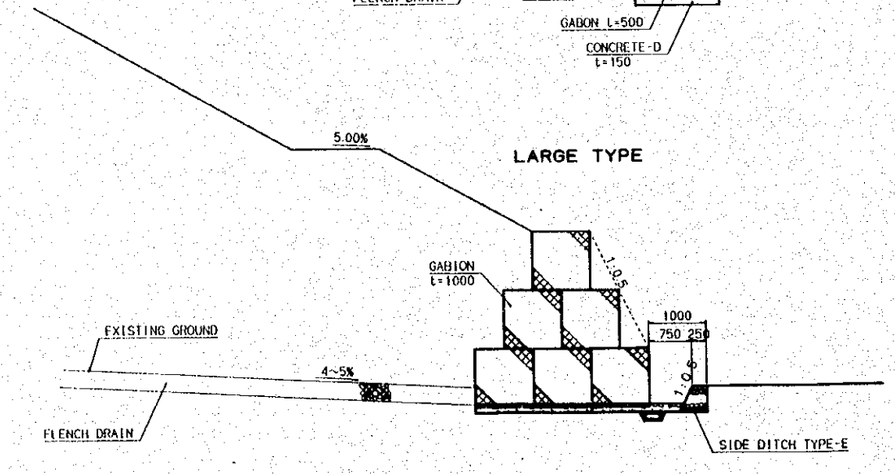


GABION WALL AT TOE OF EMBANKMENT SLOPE

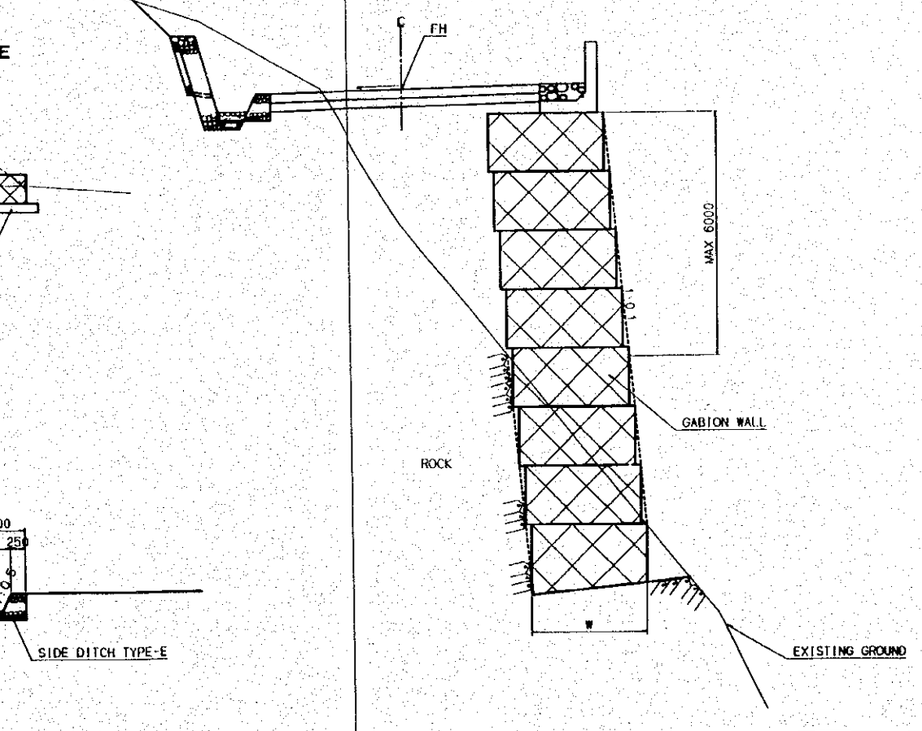
SMALL TYPE



LARGE TYPE



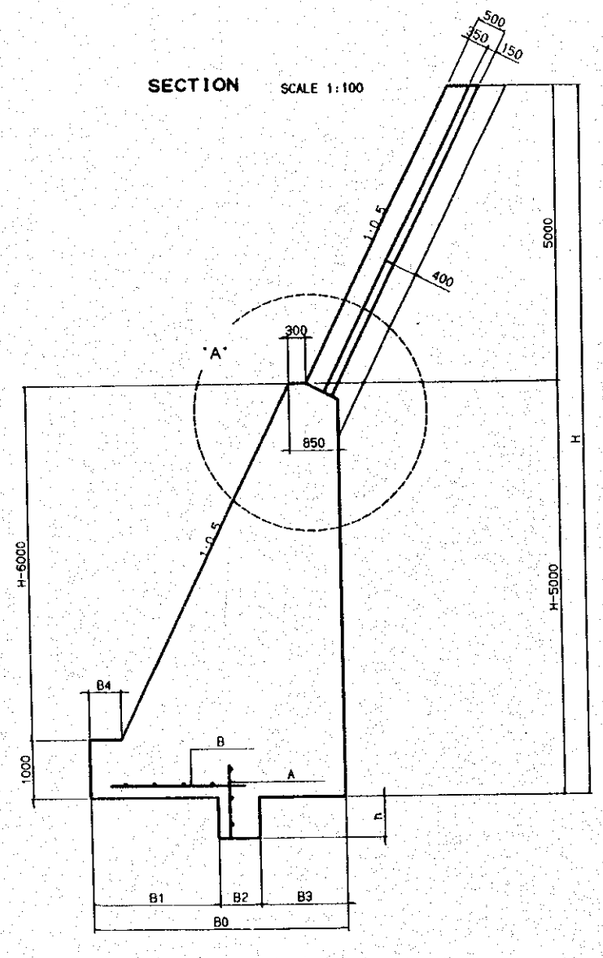
GABION WALL ON STEEP SLOPE



A-7-3
DETAIL OF COMPOUND WALL

DETAIL OF COMPOUND WALL

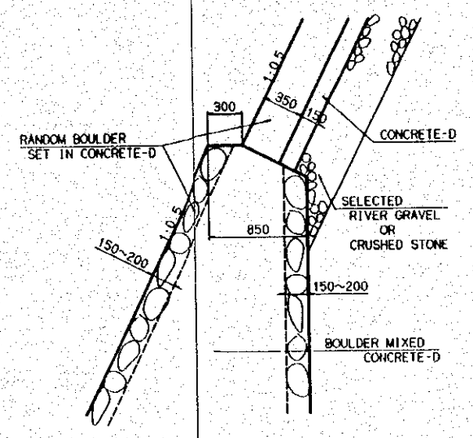
SECTION SCALE 1:100



DIMENSIONS AND BAR

DIMENSIONS							BAR	
H	B0 (m)	B1 (m)	B2 (m)	B3(m)	B4 (m)	h (m)	A	B
7.0m	1.90	0.95	0.40	0.55	0.55	0.40	D13 @250 L=850	NONE
8.0m	2.40	1.30	0.40	0.70	0.55	0.40	D13 @250 L=850	NONE
9.0m	2.90	1.60	0.50	0.80	0.55	0.50	D13 @250 L=950	NONE
10.0m	3.40	1.80	0.50	1.10	0.55	0.50	D16 @250 L=1050	NONE
11.0m	3.90	2.00	0.70	1.20	0.55	0.60	D16 @250 L=1150	NONE
12.0m	4.40	2.20	0.70	1.50	0.55	0.70	D16 @250 L=1250	D13 @250 L=2300
13.0m	5.00	2.40	0.80	1.80	0.65	0.80	D19 @250 L=1500	D13 @250 L=2500
14.0m	5.50	2.60	0.90	2.00	0.65	0.90	D19 @250 L=1600	D13 @250 L=2700
15.0m	6.10	2.80	1.00	2.30	0.75	1.00	D19 @250 L=1700	D16 @250 L=2900

DETAIL OF "A" SCALE 1:50

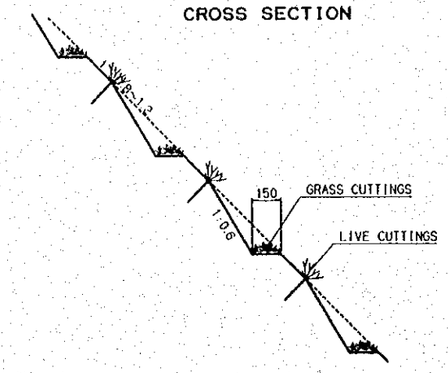


DETAIL OF SLOPE PROTECTION (1)

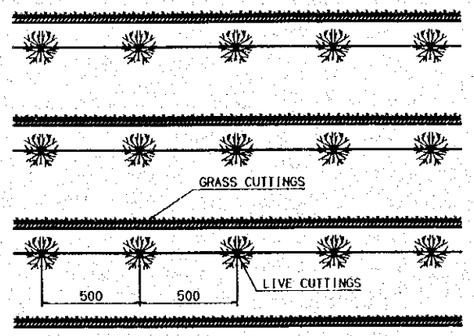
A-8-1
DETAIL OF SLOPE PROTECTION
(1)

STEPED SODDING ON CUT SLOPE SCALE 1:30

CROSS SECTION

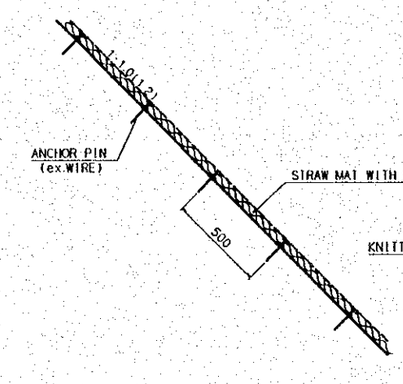


ELEVATION

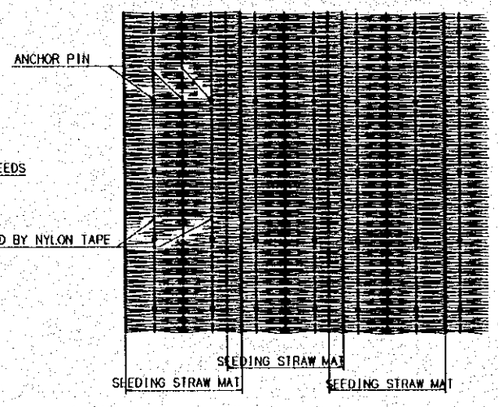


SODDING WITH STRAW MAT ON CUT SLOPE SCALE 1:30

CROSS SECTION

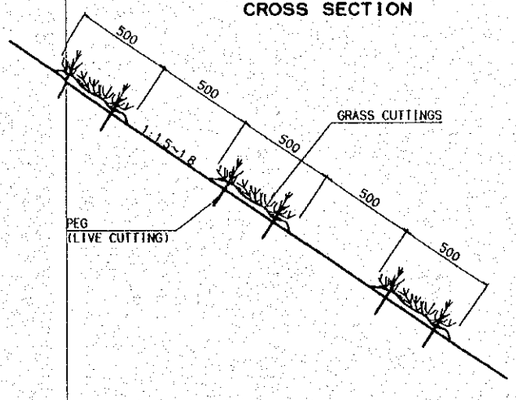


ELEVATION

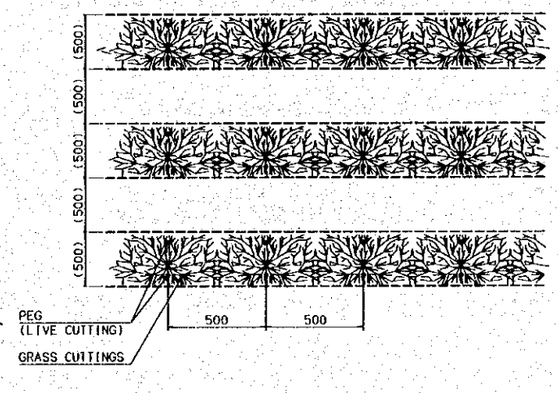


GRASS STRIPS ON EMBANKMENT SLOPE SCALE 1:30

CROSS SECTION

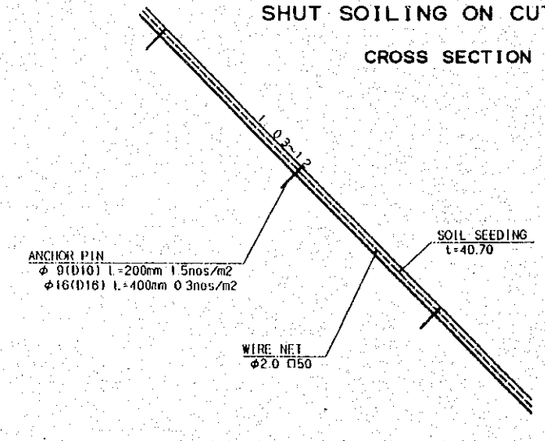


ELEVATION



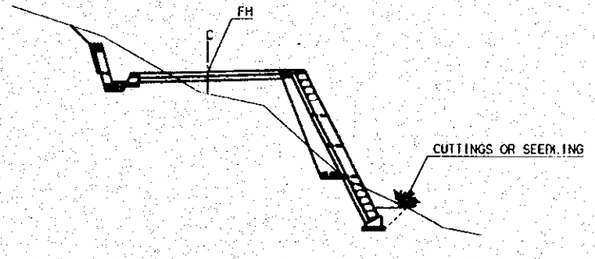
SHUT SOILING ON CUT SLOPE

CROSS SECTION SCALE 1:30



FOOT PROTECTION BY LIVE CUTTINGS AND SEEDLING

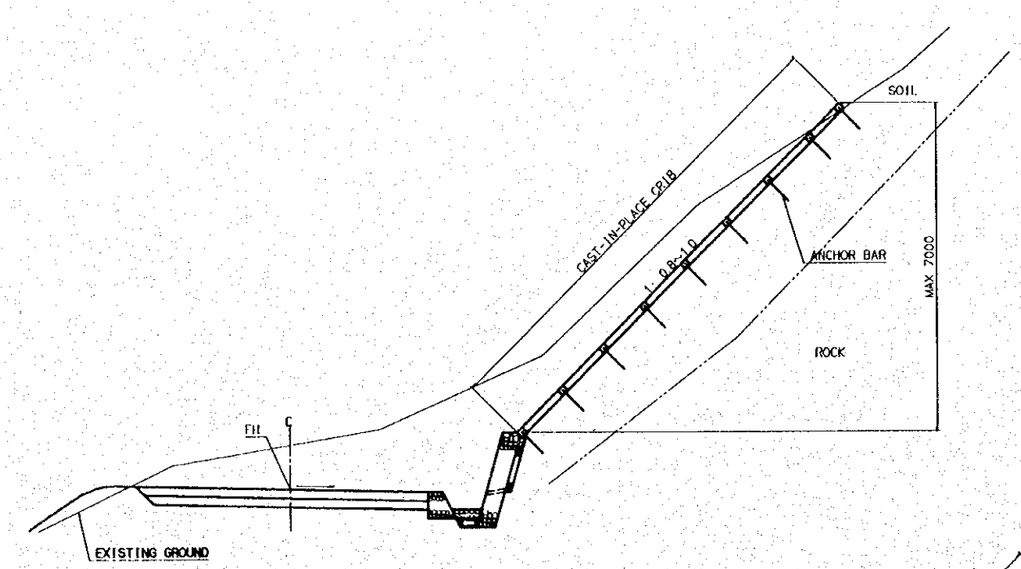
CROSS SECTION SCALE 1:200

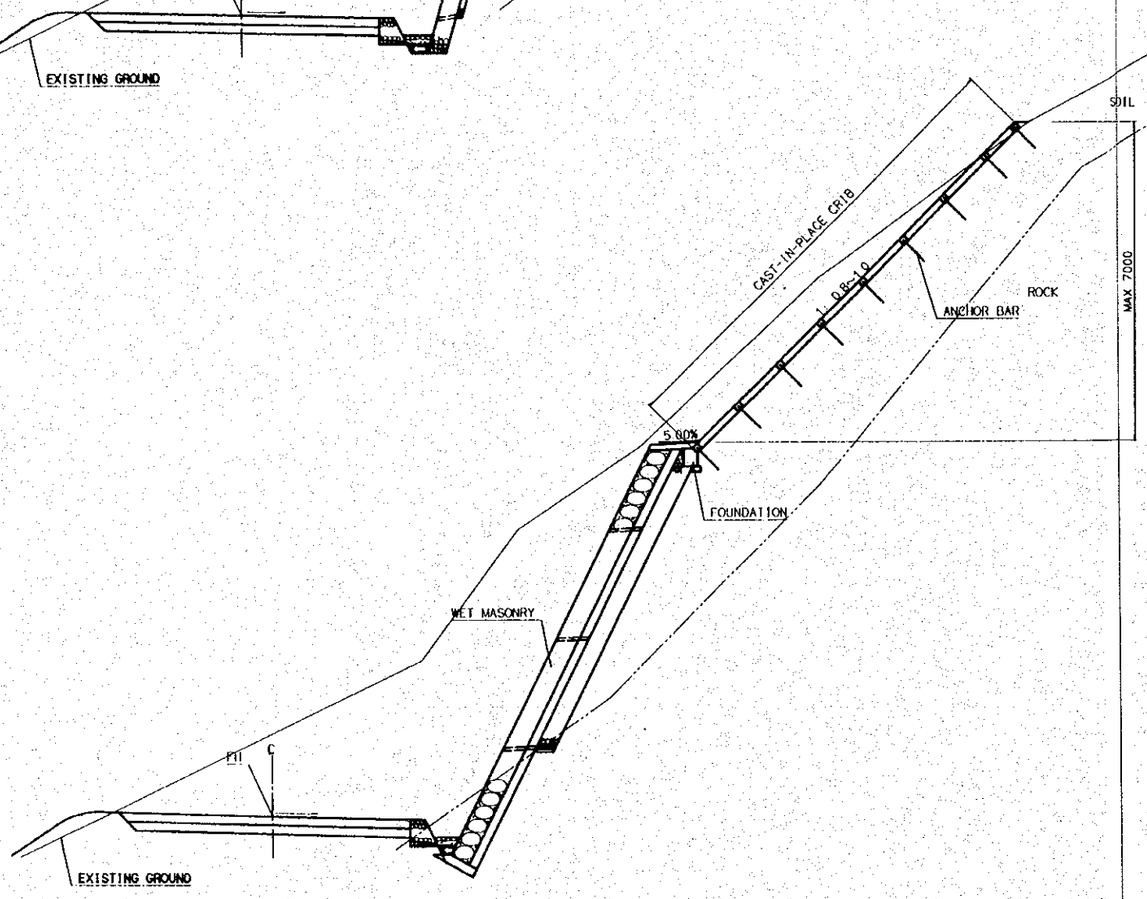


DETAIL OF SLOPE PROTECTION (2)

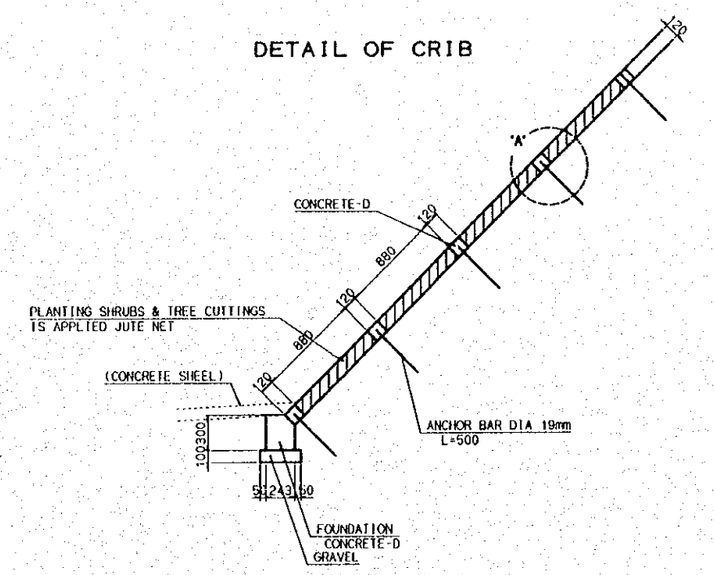
A-8-2
DETAIL OF SLOPE PROTECTION
(2)

CAST-IN-PLACE CRIB

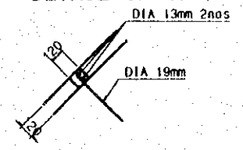




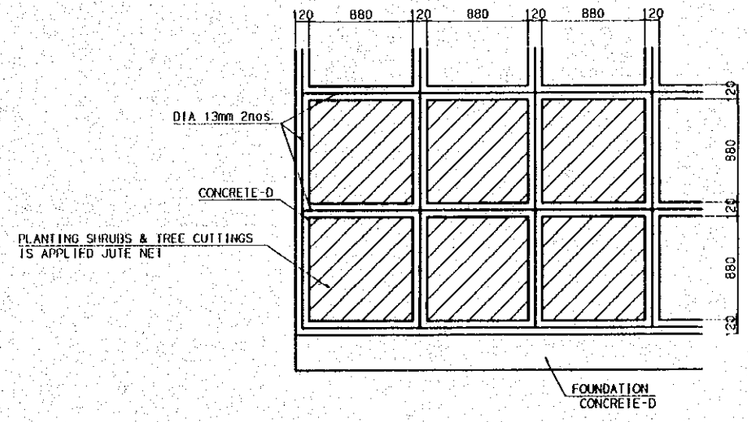
DETAIL OF CRIB



DETAIL OF 'A'



ELEVATION

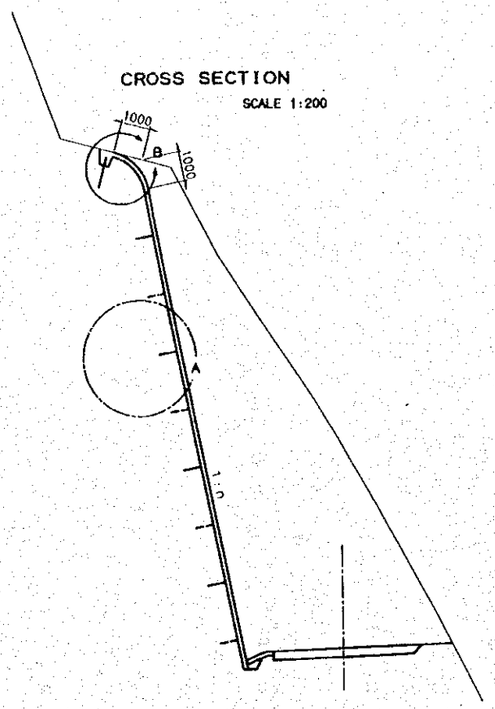


DETAIL OF SLOPE PROTECTION (3)

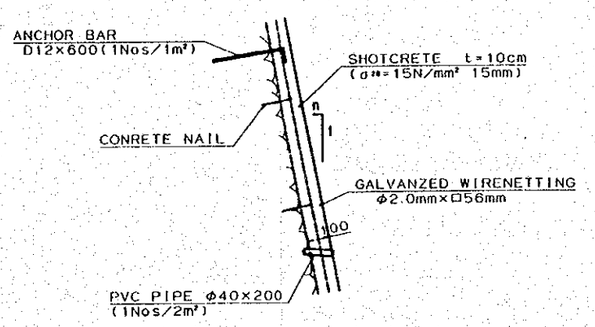
A-8-3
DETAIL OF SLOPE PROTECTION
(3)

SHOTCRETE

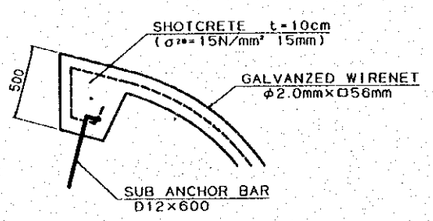
CROSS SECTION SCALE 1:200



DATAIL OF "A" SCALE 1:40



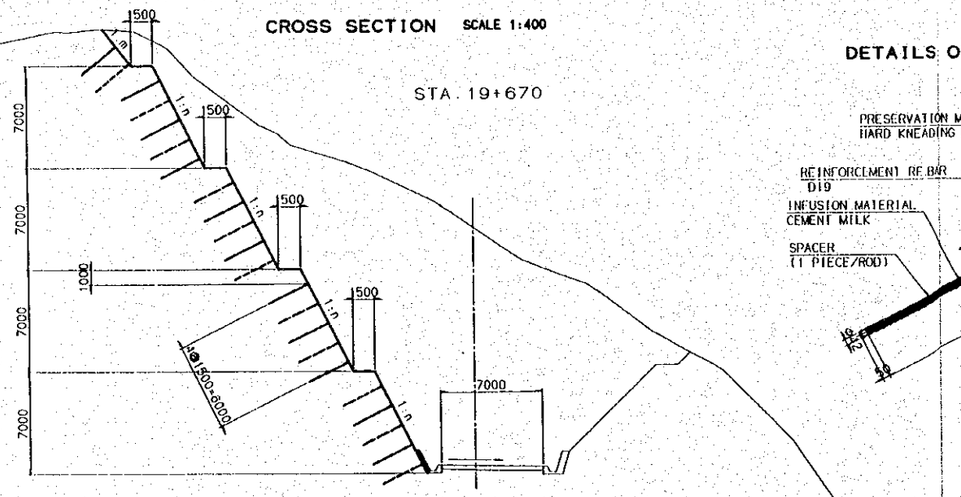
DATAIL OF "B" SCALE 1:40



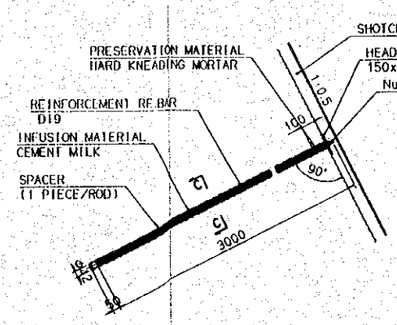
EARTH REINFORCING

CROSS SECTION SCALE 1:400

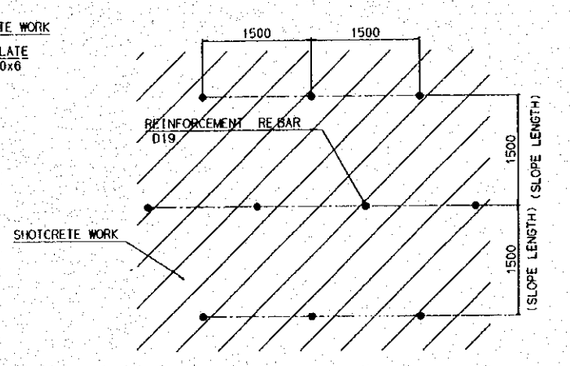
STA. 19+670



DETAILS OF RE.BAR SCALE 1:40



ARRENGEMENT OF RE.BAR SCALE 1:40



SECTION C-C SCALE 1:5