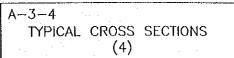


TYPICAL (ROSS SECTIONS (4)

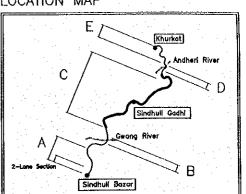
Scale: 1/200

LOCATION "C" (MOUNTAINOUS SECTION)

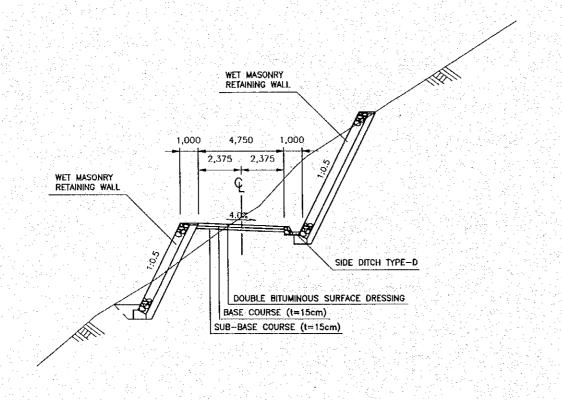
- HALF CUTTING & HALF EMBANKMENT -

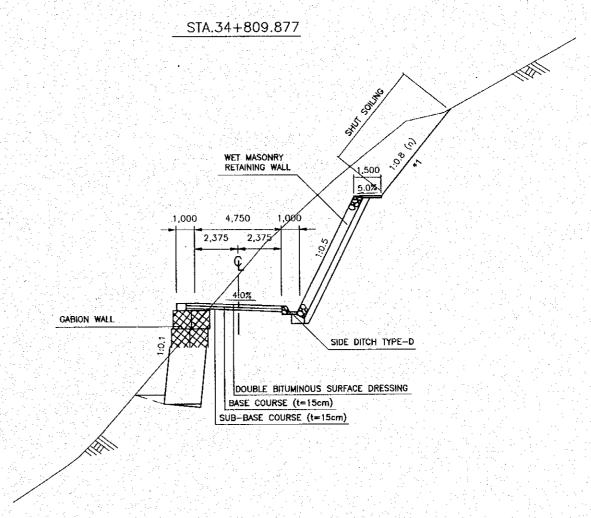


LOCATION MAP



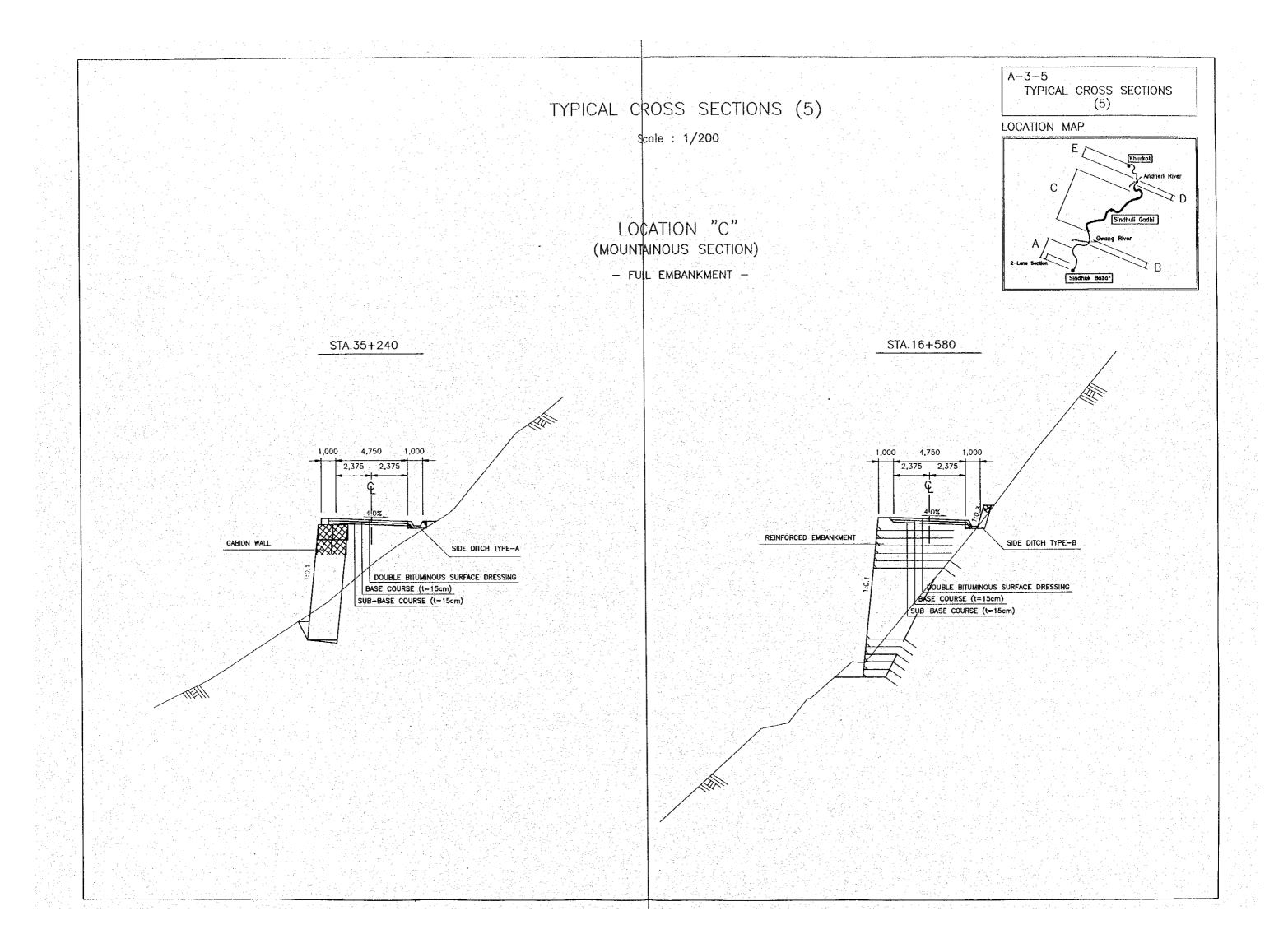
STA.8+375.068

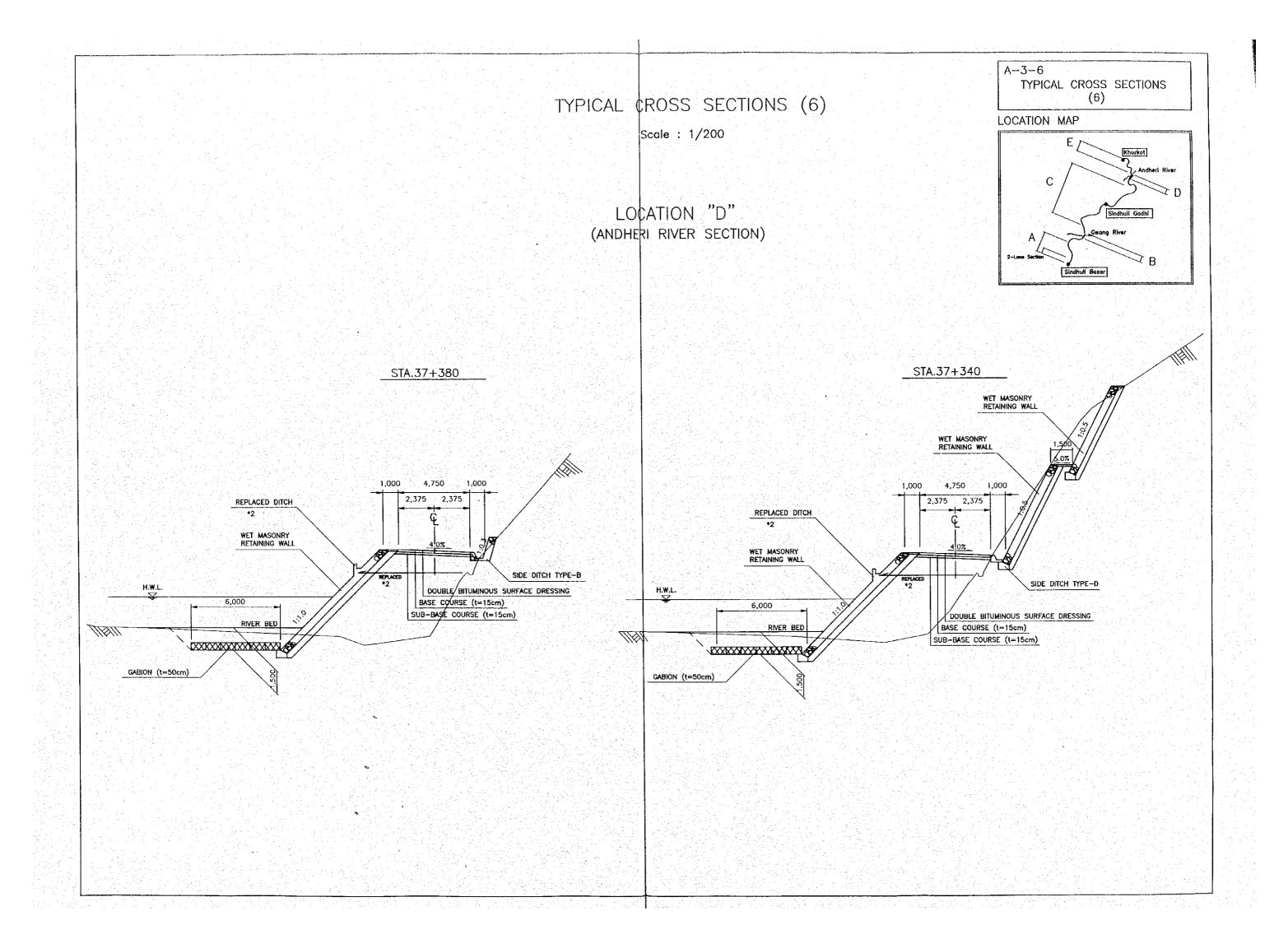


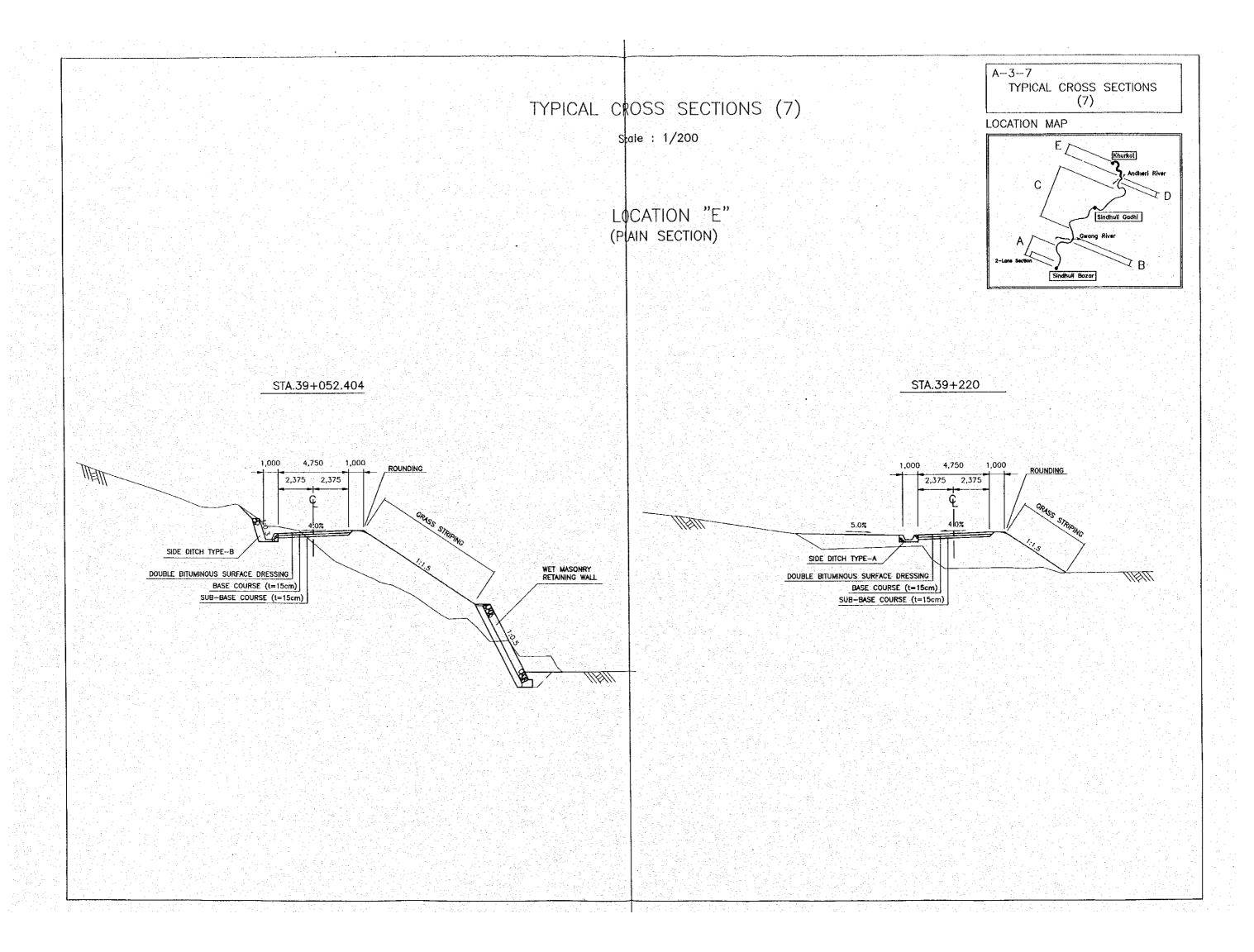


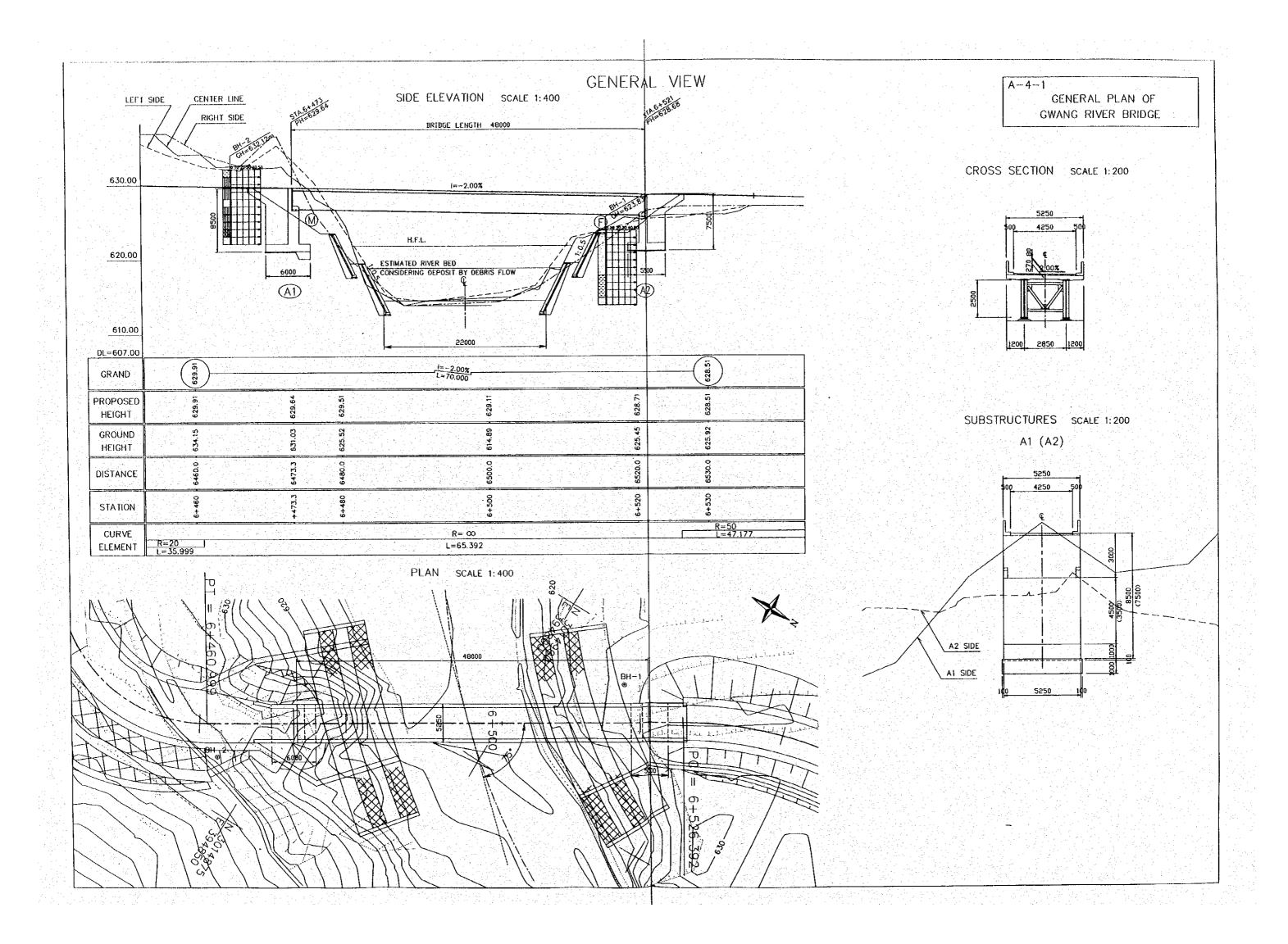
NOTES:

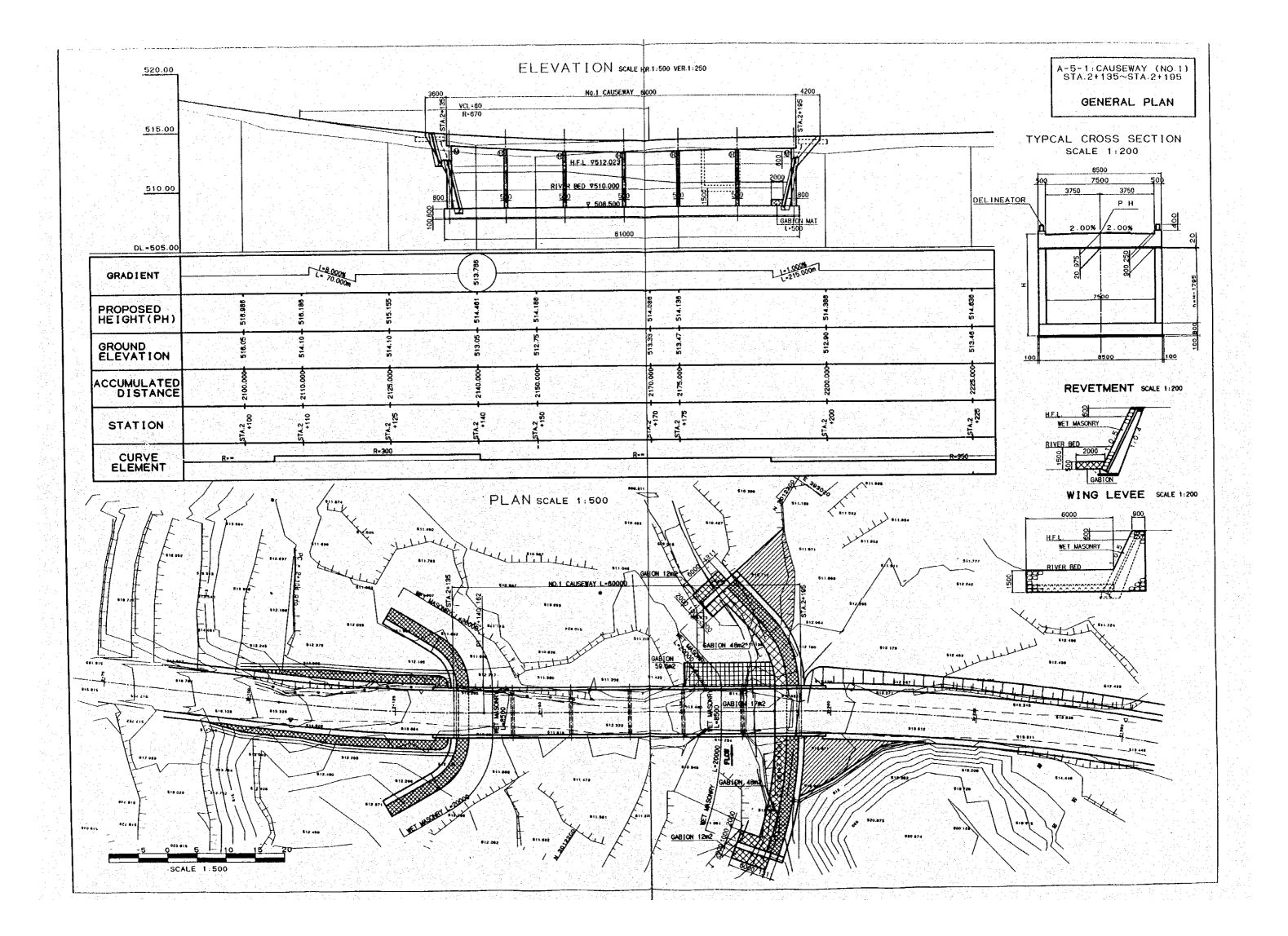
*1 - "n" value should be selected by soil condition.

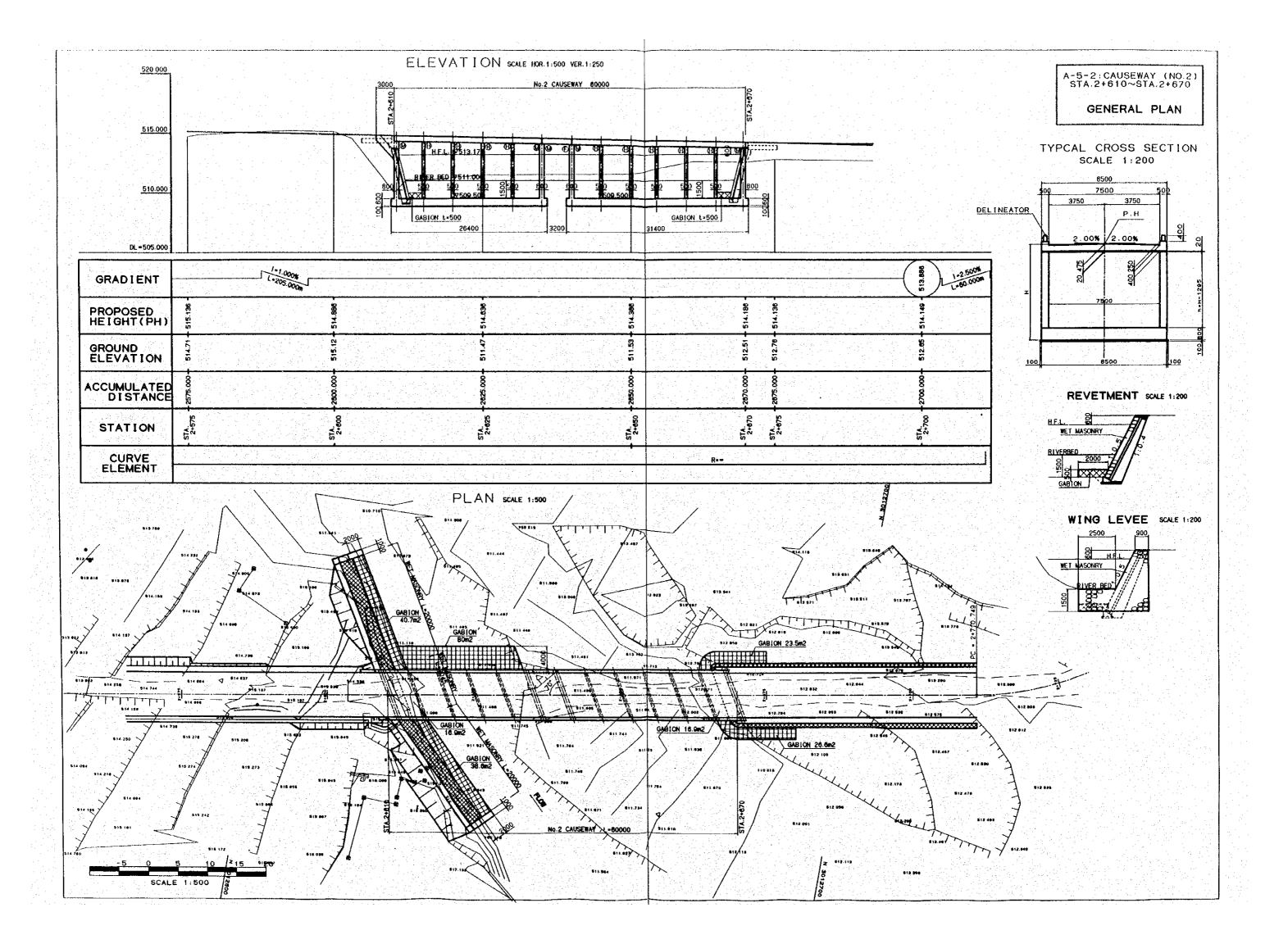


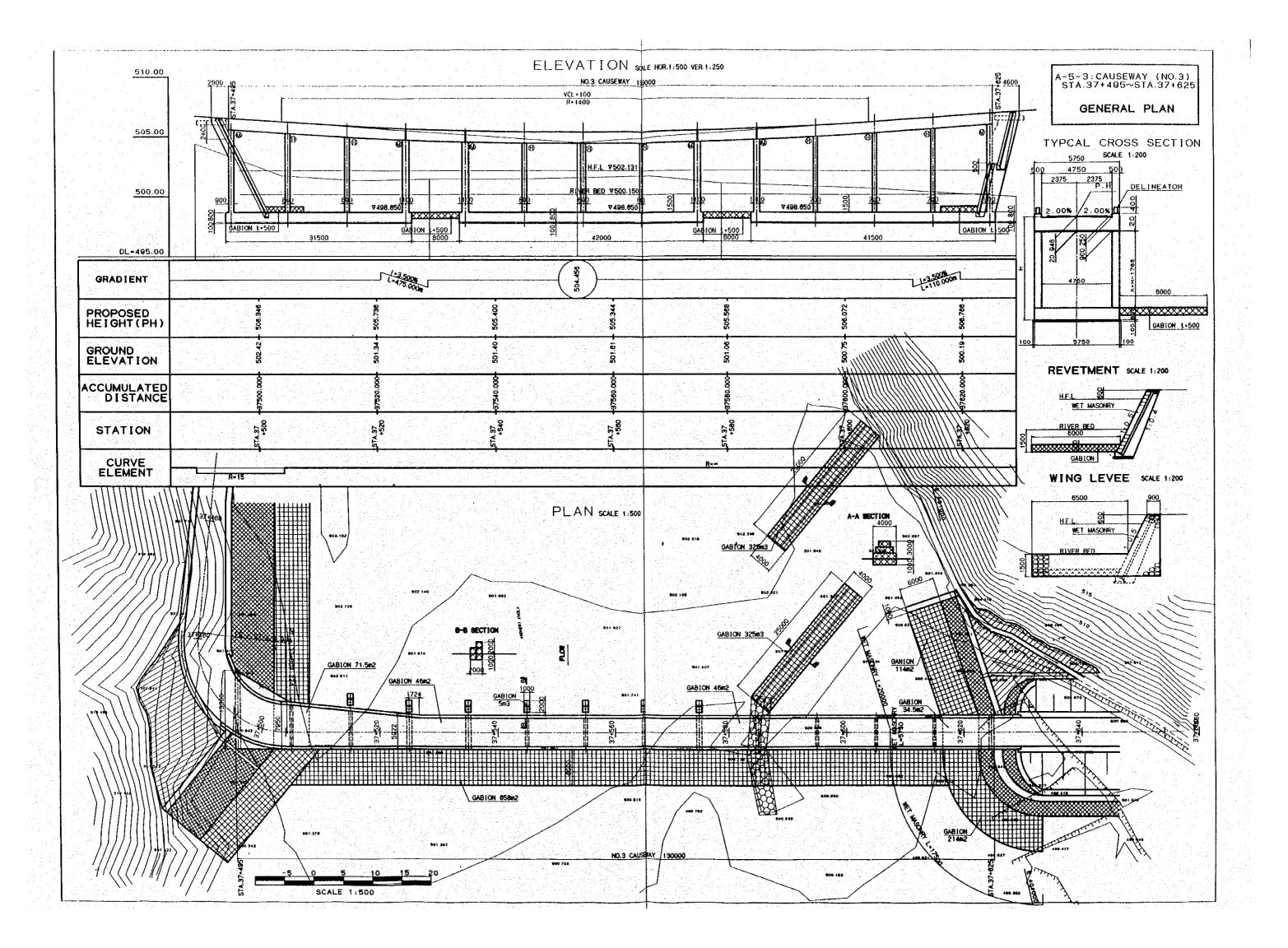


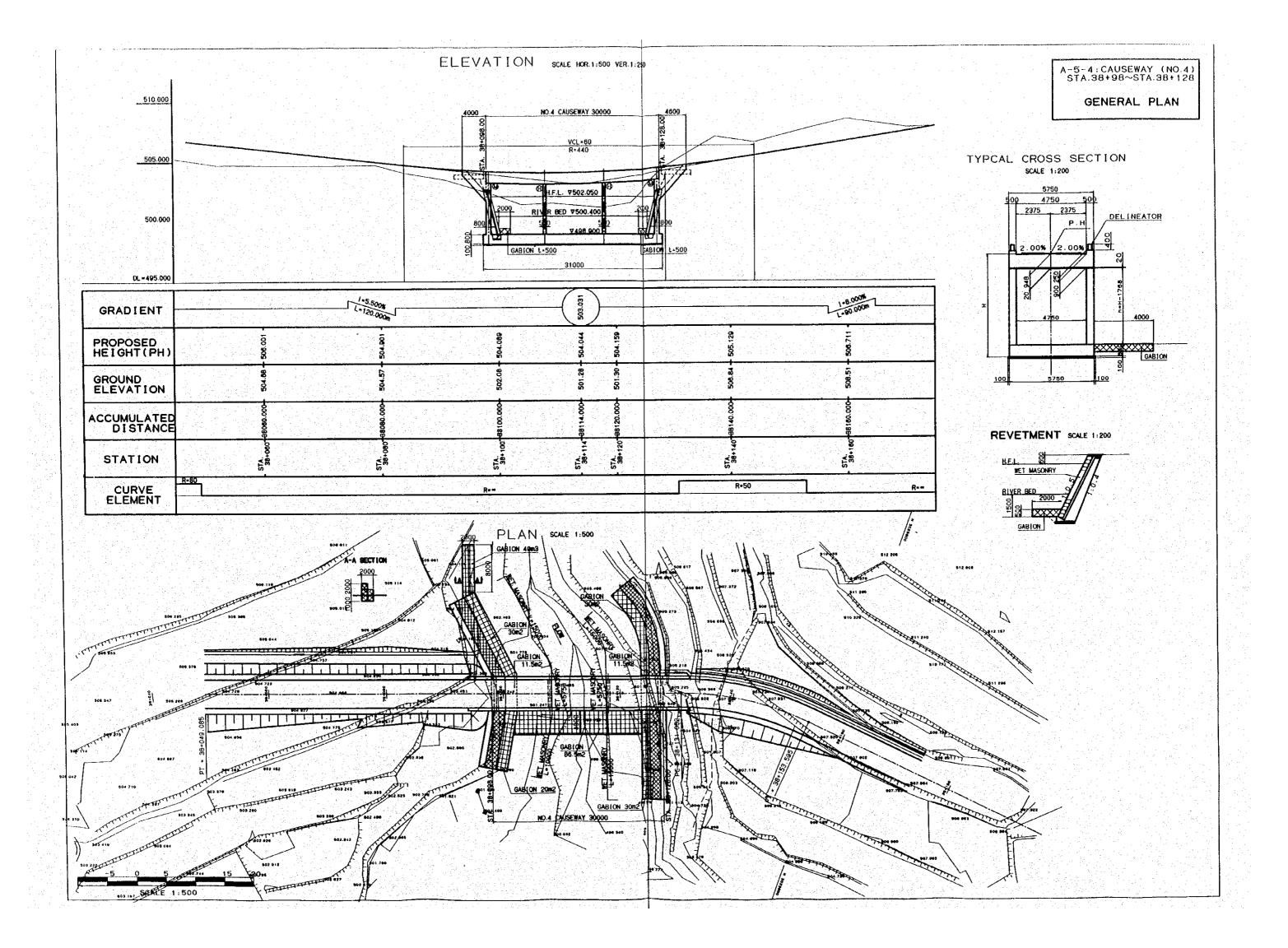


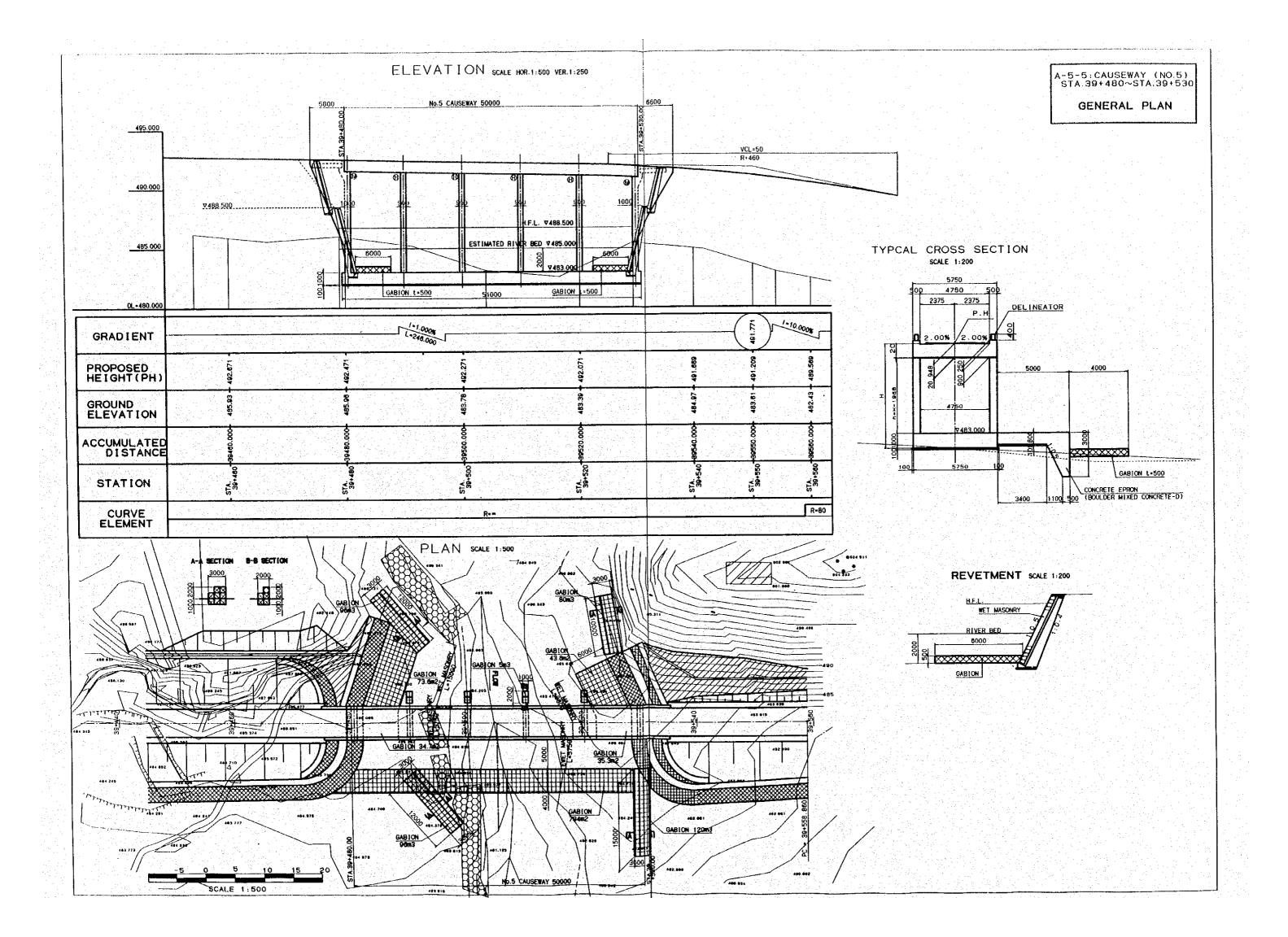








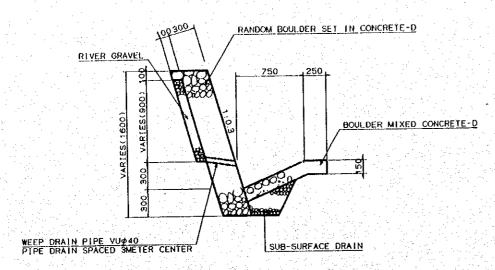




DETAIL OF SIDE DITCH (1)

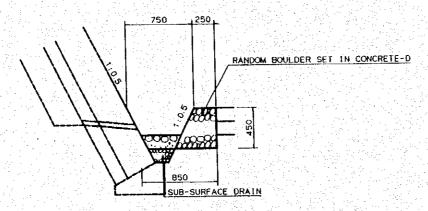
A-6-1 DETAIL OF SIDE DITCH (1)

SIDE DITCH TYPE-A SCALE 1:40
(SD-A)



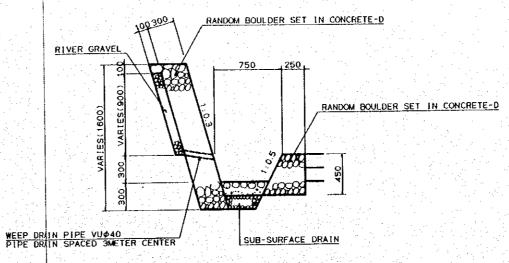
WORK QUANTITIES PER UNIT	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D		5.01	11.4.1
BOULDER MIXED CONCRETE-D	m3	1.50	
RIVER GRAVEL	m3	0.94	
SUB-SURFACE DRAIN	m3	0.97	
WEEP DRAIN PIPE VUØ40	f n	1.10	
EXCAVATION	#n3	2.11	

SIDE DITCH TYPE-C SCALE 1:40 (SD-C)



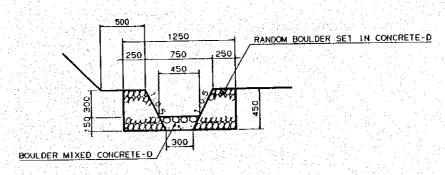
WORK QUANTITIES PER UNIT		(PER 10.0 m)		
LE NO ME TEM THE CONTROL	UNIT	QUANTITY	REMARKS	
RANDOM BOULDER SET IN CONCRETE-D	m3	1.63	Fat (1)	
BOULDER MIXED CONCRETE-D	m3	0.58		
SUB-SURFACE DRAIN	m3	0.34		
EXCAVATION	m3	0.47		

SIDE DITCH TYPE-B SCALE 1:40 (SD-B)



WORK QUANTITIES PER UNIT (PER 10.0 m				
TEM TEM	UNLI	QUANTITY	REMARKS	
RANDOM BOULDER SET IN CONCRETE-D	m3	6.64		
BOULDER MIXED CONCRETE-D	#13	0.68	11.00	
RIVER GRAVEL	m3	0.94		
SUB-SURFACE DRAIN	m3	0.50		
WEEP DRAIN PIPE VUP40	m	1.10		
EXCAVATION	m3	2.77		

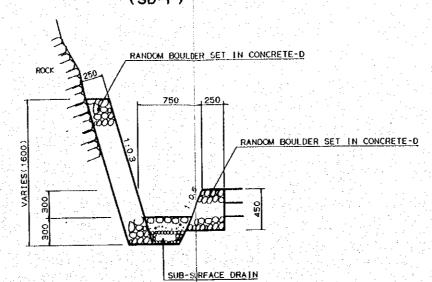
SIDE DITCH TYPE-D SCALE 1:40 (SD-D)



WORK QUANTITIES PER UNIT			R 10.0 m
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	3.26	
BOULDER MIXED CONCRETE-D	m3	0.56	
EXCAVATION	m3	1.88	11 134

DETAIL OF SIDE DITCH (2)

SIDE DITCH TYPE-F SCALE 1:40 (SD-F)

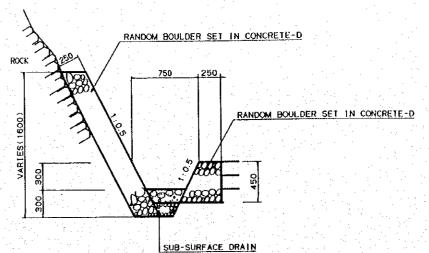


	WORK QUANTITIES PER UNIT	i de Santa	(PER 10.0 m	
	ITEM	UNIT	QUANTITY	REMARKS
-	RANDOM BOULDER SET IN CONCRETE-D	m3	4.16	
	BOULDER MIXED CONCRETE-D	m3	0.68	
	SUB-SURFACE DRAIN	m 3	0.50	
 	EXCAVATION	m3	2.68	
		1	2.00	
٠.				

DETAIL OF SIDE DITCH
(2)

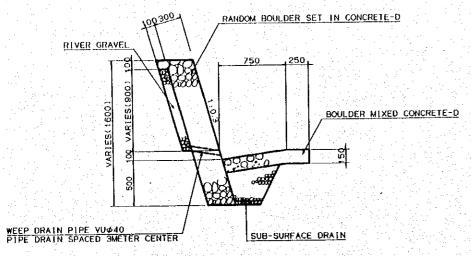
A-6-2

SIDE DITCH TYPE-G
(SD-G) SCALE 1:40



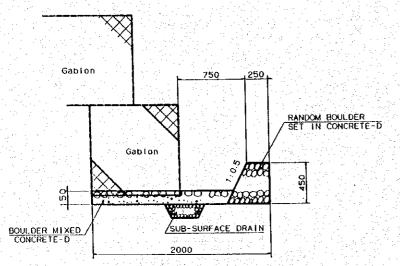
WORK QUANTITIES PER UNIT		(PER 10.0 m		
ITEM 1	UNIT	QUANTITY	REMARKS	
RANDOM BOULDER SET IN CONCRETE-D	m3	4.47		
BOULDER MIXED CONCRETE-D	m3	0.68		
SUB-SURFACE DRAIN	m3	0.37	1.11	
EXCAVATION	m3	2.39		
	111	35 V 1		
		24.1		

SIDE DITCH TYPE-E SCALE 1:40 (SD-E)



WORK QUANTITIES PER UNIT	ALK.	(PE	R 100 m)
ITEM	TINU	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	5.01	
BOULDER MIXED CONCRETE-D	mЭ	1.50	
RIVER GRAVEL	m3	0.94	
SUB-SURFACE DRAIN	m3	1.71	
WEEP DRAIN PIPE VUA40	m	1.10	
EXCAVATION	ma	2.11	

SIDE DITCH TYPE-H SCALE 1:40



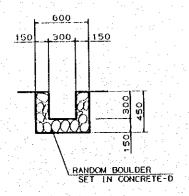
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	1,63	
BOULDER MIXED CONCRETE-D	Em]	3.13	
SUB-SURFACE DRAIN	m3	0.56	

DETAIL OF SIDE DITCH AT STEP SECTION A ELEVATION SCALE 1:40 1)5.0% A CROSS SECTION SCALE : 40 SIDE DITCH TYPE-D (SD-D) SIDE DITCH TYPE-B (SD-B) RANDOM BOULDER SET IN CONCRETE-D RANDOM BOULDER SET IN CONCRETE-D BOULDER MIXED CONCRETE-D SUB-SURFACE DRAIN

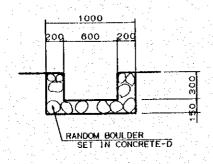
A-6-3
DETAIL OF SIDE DITCH AT STEP SECTION

DETAIL OF U-SHAPED DRAIN (1)

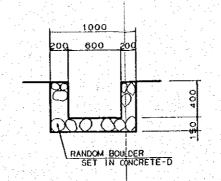
U-SHAPED DRAINAGE 300x300 (UD-300x300) SCALE 1:40



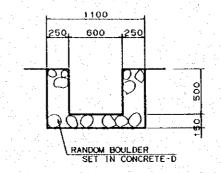
U-SHAPED DRAINAGE 600x300 (UD-600x300) SCALE 1.40



U-SHAPED DRAINAGE 600x400 (UD-600x400) SCALE 1:40

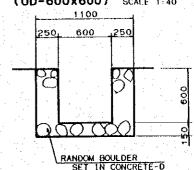


U-SHAPED DRAINAGE 600x500 (UD-600x500) SCALE 1:40



A-6-4 DETAIL OF U-SHAPED DRAIN (1)

U-SHAPED DRAINAGE 600x600 (UD-600x600) SCALE 1:40



WORK	QUANTI	TES	PER	UNIT	(PE	R 10.0 m)
11 12 14	LTEM			UNIT	QUANTITY	REMARKS

WORK QUANTITIES PER	OUFTI	· (PE	K 10.0 mi
LTEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	1.80	
EXCAVATION	mЗ	3.71	

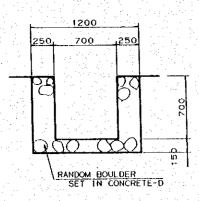
WORK QUANTITES PER UNIT			ER 10.0 m)		
I TEM	UNIT	QUANT I TY	REMARKS		
RANDOM BOULDER SET IN CONCRETE-D	m3	2.70	Jaket L		
EXCAVATION	mЭ	5.51			
			100		

WORK QUANTITES PER	(PER 10.0 m)		
LTEM	UNIT	UANT I TY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	3.10	
EXCAVATION	m3	7.01	
	1.1	. 3	2.100

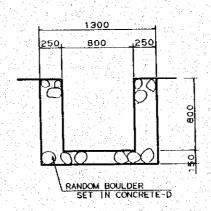
WORK QUANTITES PER UNIT (PER 10.0 m) UNIT QUANTITY REMARKS ITEM RANDOM BOULDER SET IN CONCRETE-D 4.15 m3 9.26 m3 EXCAVATION:

NORK QUANTITES PER UNIT (PER 10.0 m)				
ATTEM STATE	TINU	QUANTITY	REMARKS	
RANDOM BOULDER SET IN CONCRETE-D	mЭ	4.65	44 J. A.	
EXCAVATION	mЗ	11.06		
		1.40		

U-SHAPED DRAINAGE 700x700 (UD-700x700) SCALE 1:40



U-SHAPED DRAINAGE 800x800 (UD-800x800) SCALE 1:40



(PER 10.0 m)

UNIT QUANTITY REMARKS

5.95

16.86

m3

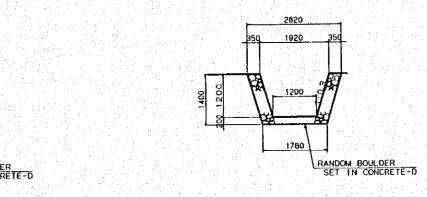
WORK QUANTITES PER UNIT

1 TEM RANDOM BOULDER SET IN CONCRETE-D

EXCAVATION

WO	K QUANTITES P	(PER 10.0 m)		
	ITEM	UNIT	QUANTITY	REMARKS
RAND	I BOULDER N CONCRETE-D	mЭ	9.08	
Ð	CAVATION	m3	22.08	

U-SHAPED DRAINAGE 1000X1000 UD-1000x1000) SCALE 1:100



Ăţ.	WORK QUANTITES P	ER UN	117	(PER 10.0 m		
	LTEM	UNIT	QUANTITY	REMARKS		
	RANDOM BOULDER SET IN CONCRETE-D	m3	12.08	7: N 1: 1		
:	EXCAVATION	m3	30.80			

U-SHAPED DRAINAGE 1200x1200

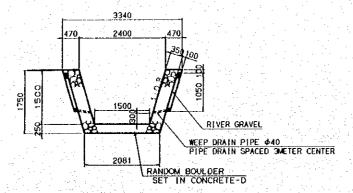
(UD-1200x1200) SCALE 1:100

WORK QUANTITES PER	(PER 10.0 m)		
ITEM	UNIT	QUANTITY	REMÁRKS
RANDOM BOULDER SET IN CONCRETE-D	m3	5.30	1 5 5
EXCAVATION	mЗ	13.61	
			1000

DETAIL OF U-SHAPED DRAIN (2)

A-6-5 DETAIL OF U-SHAPED DRAIN

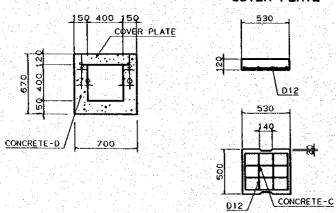
U-SHAPED DRAINAGE 1500x1500 (UD-1500x1500) SCALE 1:100



WORK QUANTITIES PER	UNIT		(PER 10.0 m)
LTEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	14.69	i ga e e ci
EXCAVATION	mЗ	47.43	
FILTER MATERIAL	m3	2.18	
WEEP DRAIN PIPE	m	2.33	1504 (1787)
1 1 1 4 4 1 1 1 1 1 1 1	3.5	5000	

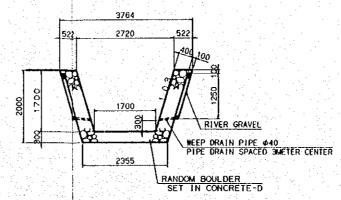
U-SHAPED DRAINAGE WITH COVER 400x400 (UDC-400x400) SCALE 1:40

COVER PLATE



ITEM	UNIT	QUANTITY	REMARKS
CONCRETE-C	m3	0.50	COVER PLATE
CONCRETE-D	m3	2.41	A Park
FORM	m2	27.65	
REINFORCEMENT BAR D12	ksf	50	
EXCAVATION	m3	2.93	
			ias diget

U-SHAPED DRAINAGE 1700x1700 (UD-700x1700) SCALE 1:100



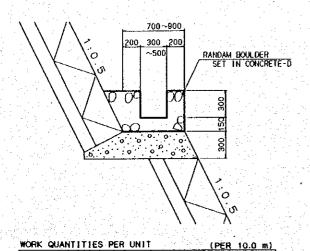
WORK QUANTITIES PER			(PER 10.0 m)
1 TEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	22.57	
EXCAVATION	m3	61.19	A 25 [1]
FILTER MATERIAL	m3	2.60	
WEEP DRAIN PIPE	m	2.67	
		1. %	

DETAIL OF U-SHAPED DRAIN (3)

A-6-6

DETAIL OF U-SHAPED DRAIN (3)

U-SHAPED DRAINAGE TYPE-M (UD-K) SCALE 1:40



UNIT QUANTITY REMARKS

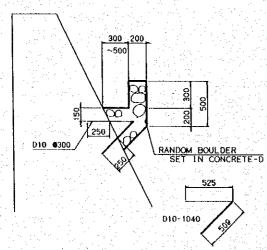
2.76

U-SHAPED DRAINAGE TYPE-P

(UD-GW) SCALE 1:40

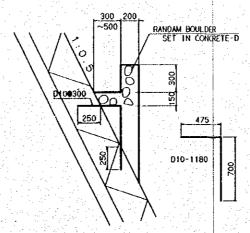
mЭ

RANDOM BOULDER SET IN CONCRETE-D



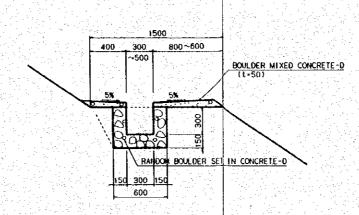
WORK QUANTITIES PER	UNIT		(PER 10.0 m)
LTEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	2.03	
REINFOROMENT BAR \$0.10		21	
FORM	m2	5.77	

U-SHAPED DRAINAGE TYPE-N
(UD-RWO5) SCALE 1:40



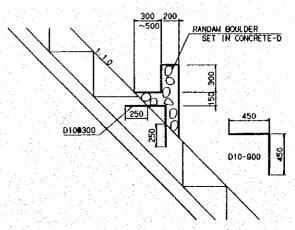
WORK QUANTITIES PER	UNIT		(PER 10.0 m)
ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	9.10	
REINFOROMENT BAR #0.10	k at	24	

U-SHAPED DRAINAGE TYPE-Q (UDK-150) SCALE 1:40



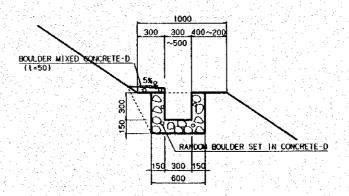
WORK QUANTITIES PER	UNIT		(P	R 10.0 m)
ITEM	UNIT	QUANTITY	R	MARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	1.80		
BOULDER MIXED CONCRETE-D	m3	0.78		
FORM	m2	1.0		1 - 1 - A

U-SHAPED DRAINAGE TYPE-O (UD-RW10) SCALE 1:40



WORK QUANTITIES PER	UNIT		(PER 10.0 m)
. ITEM	UNIT	QUANTITY	REMARKS
RANDOM BOULDER SET IN CONCRETE-D	m3	1.85	
REINFOROMENT BAR #0.10	k#	18	

U-SHAPED DRAINAGE TYPE-R (UDK-100) SCALE 1:40

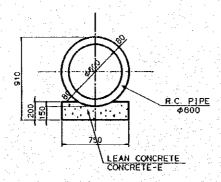


	WORK QUANTITIES PER UNIT (PER 10.0				
	1 TEM	UNIT	QUANTITY	REMARKS	
	RANDOM BOULDER SET IN CONCRETE-D	mЭ	1.80		
	BOULDER MIXED CONCRETE-D	m3	0.20		
5	FORM	m2	0.5		

DETAIL OF CROSS DRAIN (1)

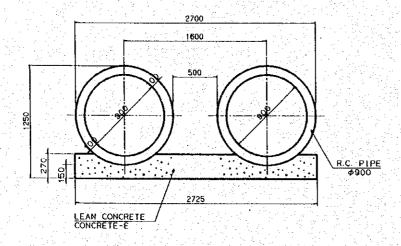
A-6-7 DETAIL OF CROSS DRAIN

PIPE(\$600) SCALE 1:40



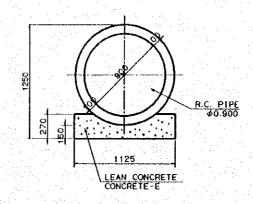
	WORK QUANTITES PER	UNIT		(PER 10.0 m)
	LTEM	UNIT	QUANTITY	REMARKS
i	R.C. PIPE(#600)	m	10.00	x 19 x 21 x
	LEAN CONCRETE-E	m3	1.37	
	FORM WORK	m2	4.00	
	EXCAVATION	m3	7.50	
			1.12.4.21	7 1 4 E

PIPE(φ900×2) SCALE 1:40



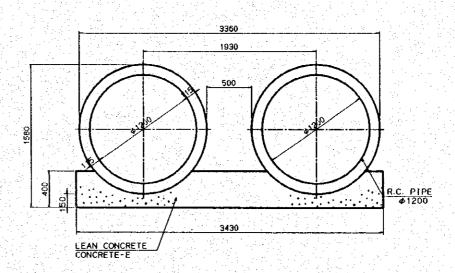
I TEM	UNIT	QUANTITY	REMARKS
1 Lm	OITT	CONTITUT	Nemanna
R.C. PIPE(#900)	m	20.00	
LEAN CONCRETE-E	mЭ	5.80	
FORM WORK	m2	5.40	
EXCAVATION	m3	27.25	

PIPE(\$900) SCALE 1:40



WORK QUANTITES PER	UNIT		(PER 10.0 m)
LTEM	UNIT	QUANTITY	REMARKS
R.C. P[PE(#900)	m	10.00	
LEAN CONCRETE-E	m3	2.48	
FORM WORK	m2	5.40	
EXCAVATION	w3	11.25	
		2.5199	199 10 10

PIPE(\$1200×2) SCALE 1:40



WORK QUANTITES PER	UNIT		(PER 10.0 m
1TEM	UNIT	QUANTITY	REMARKS
R.C. PIPE(#1200)	m	20.00	The Later
LEAN CONCRETE-E	m3	11.83	
FORM WORK	m2	8.00	
EXCAVATION	m3	34.30	