

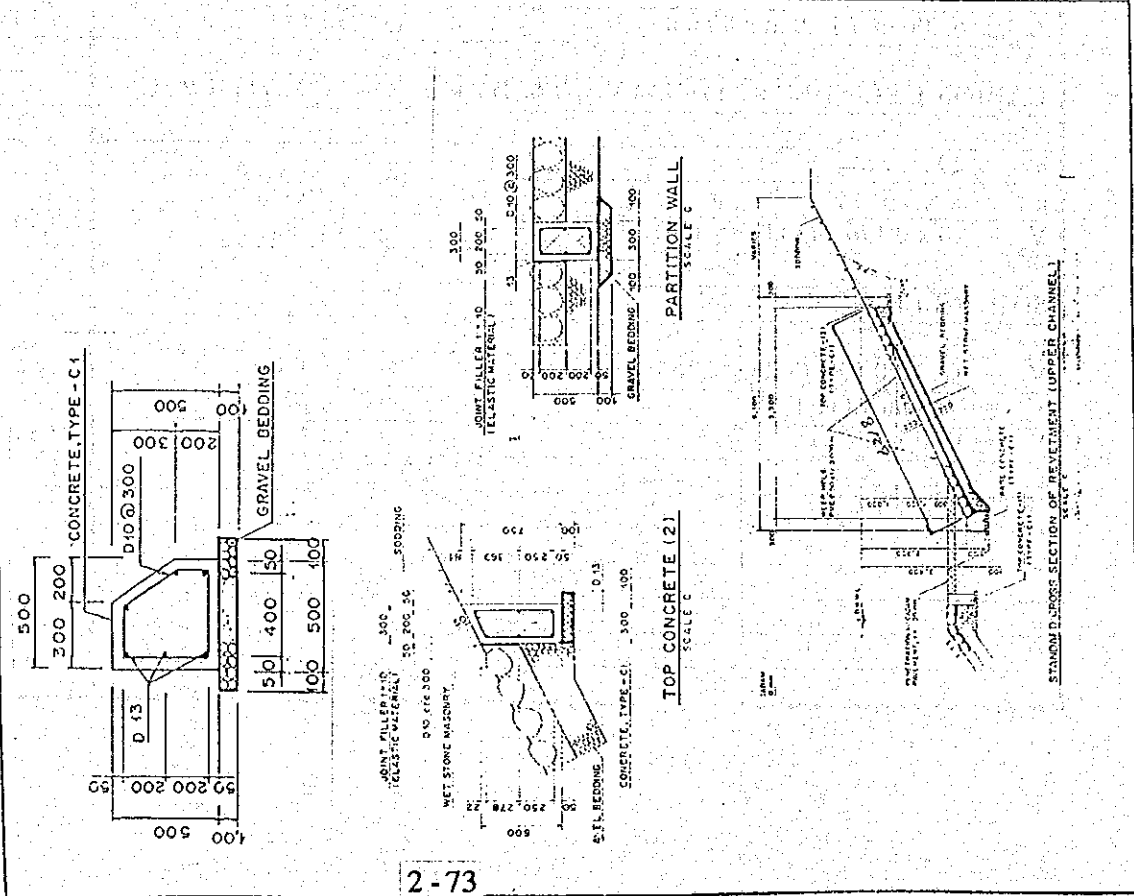
TYPE OF WORK : REVETMENT FOR SLOPE OF 1:2.0
 LOCATION : WF.178R ~ WF.179R (UPPER CHANNEL)

CALCULATION		RESULT
STRUCTURAL EXCAVATION		
$V = 71.745 \text{ m}^3 / 15.0 \text{ m} \times 80.00$	$= 382.640$	382.640 m^3
BACKFILL WITH SELECTED SOIL		
$V = 22.695 \text{ m}^3 / 15.0 \text{ m} \times 80.00$	$= 121.040$	121.040 m^3
WET STONE MASONRY		
$V = 22.851 \text{ m}^3 / 15.0 \text{ m} \times 80.00$	$= 121.872$	121.872 m^3
CEMENT MORTAR POINTING		
$A = 73.500 \text{ m}^2 / 15.0 \text{ m} \times 80.00$	$= 392.000$	392.000 m^2
WEEP HOLE		
PVC PIPE ϕ 50		
$n = 53$		
$L = 8.0 \text{ m} / 15.0 \text{ m} \times 80.0 \text{ m}$	$= 42.667$	42.667 m
FILTER CLOTH		
$A = 6.400 \text{ m}^2 / 15.0 \text{ m} \times 80.0 \text{ m}$	$= 34.133$	34.133 m^2
GABION CYLINDER ϕ 500 (GALVANIZED AND COATED WITH PVC)		
$n = 20$		
$a = \pi \times 0.5^2 / 4$	$= 0.196 \text{ m}^2$	
$V = 20 \times 0.196 \times (3.00 + 5.366)$	$= 32.795 \text{ m}^3$	32.795 m^3
SOIL FILLING		
$V_1 = 10.0 \times 0.50 \times (3.00 + 5.366)$	$= 41.830$	
$V_2 = \text{Volume of Cylinder}$	$= 32.795$	
$V = V_2 - V_1$	$= 9.035$	9.035 m^3

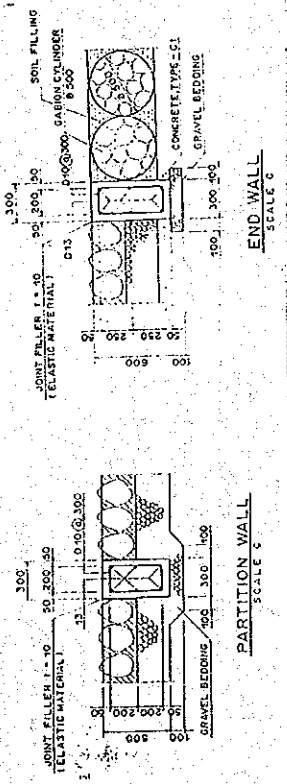
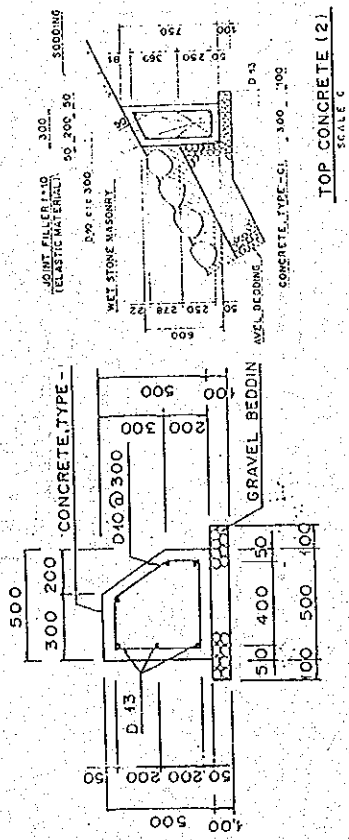
TYPE OF WORK: GRAVEL BEDDING

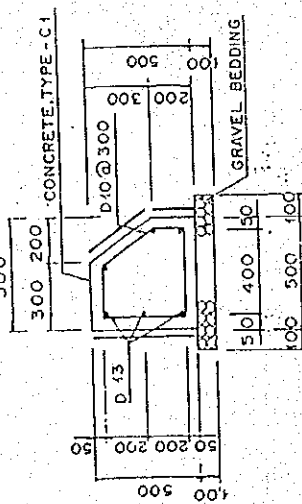
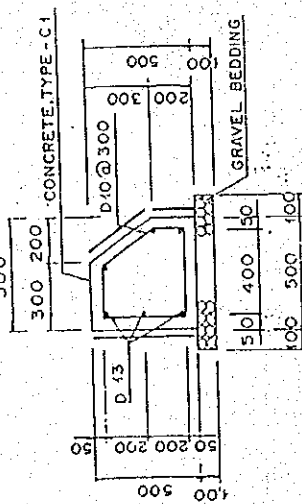
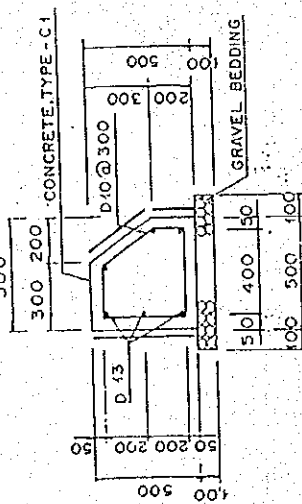
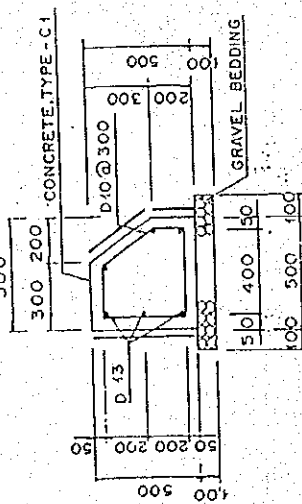
LOCATION:

CALCULATION		RESULT
① REVEMENT		
	$22.859 \text{ m}^3 / 15.0 \times 80.0 \text{ m} = 121.915$	121.915 m^3
② BASE CONCRETE		
	$1.05 \text{ m}^3 / 15.0 \text{ m} \times 80.0 \text{ m} = 5.6$	5.600 m^3
③ TOP CONCRETE		
	$0.450 \text{ m}^3 / 15.0 \text{ m} \times 80.0 \text{ m} = 2.4$	2.400 m^3
④ PARTITION WALL		
	$0.350 \text{ m}^3 / 15.0 \text{ m} \times 80.0 \text{ m} = 1.867$	1.867 m^3
⑤ END WALL		
	$0.231 \text{ m}^3 \times 1 \text{ place}$	0.231 m^3



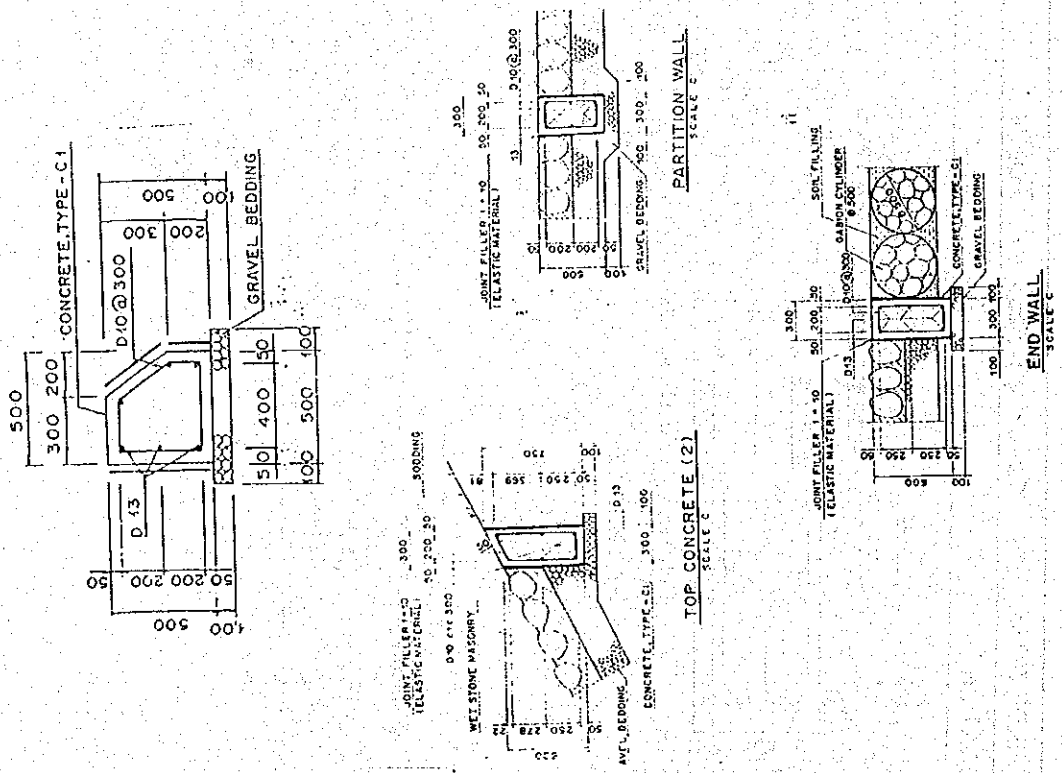
TYPE OF WORK :	CONCRETE / FORM		RESULT
LOCATION :	CALCULATION		
	• CONCRETE		
	① BASE CONCRETE	$3.300 \text{ m}^3 / 15.0 \text{ m} \times 80.0 \text{ m} = 17.600$	17.600 m ³
	② TOP CONCRETE	$3.045 \text{ m}^3 / 15.0 \text{ m} \times 80.0 \text{ m} = 16.240$	16.240 m ³
	③ PARTITION WALL	$7.244 \text{ m}^3 / 15.0 \text{ m} \times 80.0 \text{ m} = 38.635$	38.635 m ³
	④ END WALL	$0.893 \text{ m}^3 / \text{place} \times 1 \text{ place} = 0.893$	0.893 m ³
	• FORM		
	① BASE CONCRETE	$16.135 \text{ m}^2 / 15.0 \text{ m} \times 80.0 \text{ m} = 86.053$	86.053 m ²
	② TOP CONCRETE	$20.453 \text{ m}^2 / 15.0 \text{ m} \times 80.0 \text{ m} = 109.083$	109.083 m ²
	③ PARTITION WALL	$42.581 \text{ m}^2 / 15.0 \text{ m} \times 80.0 \text{ m} = 227.099$	227.099 m ²
	④ END WALL	$5.954 \text{ m}^2 / 1 \text{ place} \times 1 \text{ place} = 5.954$	5.954 m ²



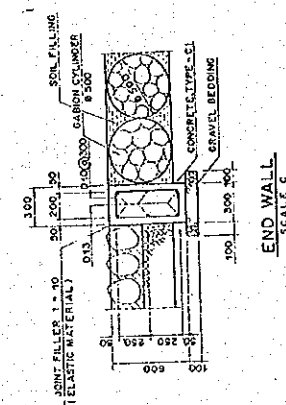
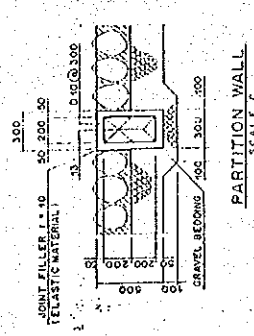
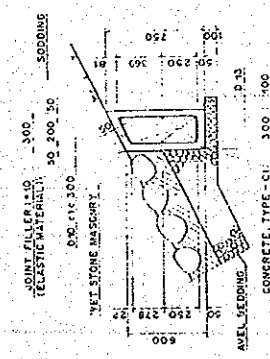
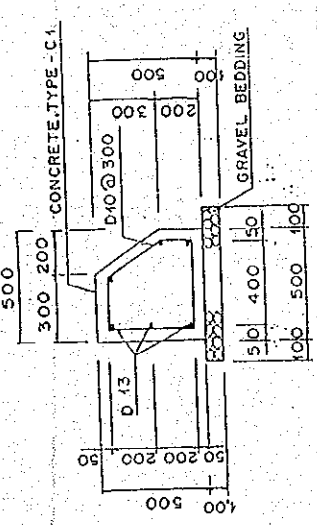
TYPE OF WORK: LOCATION:	REINFORCING BAR	CALCULATION	RESULT
		<p>① BASE CONCRETE</p> <p>$N = 0.139 \text{ tf} / 15.0\text{m} \times 80.0\text{m} = 0.741$</p>	<p>0.741 tf</p>
		<p>② TOP CONCRETE</p> <p>$W = 0.142 \text{ tf} / 15.0\text{m} \times 80.0\text{m} = 0.757$</p>	<p>0.757 tf</p>
		<p>③ PARTITION WALL</p> <p>$W = 0.052 \text{ tf} / 15.0\text{m} \times 80.0\text{m} = 0.277$</p>	<p>0.277 tf</p>
		<p>④ END WALL</p> <p>$W = 0.055 \text{ tf} / \text{place} \times 1 \text{ place} = 0.055$</p>	<p>0.055 tf</p>

TYPE OF WORK: REINFORCING BAR

LOCATION:

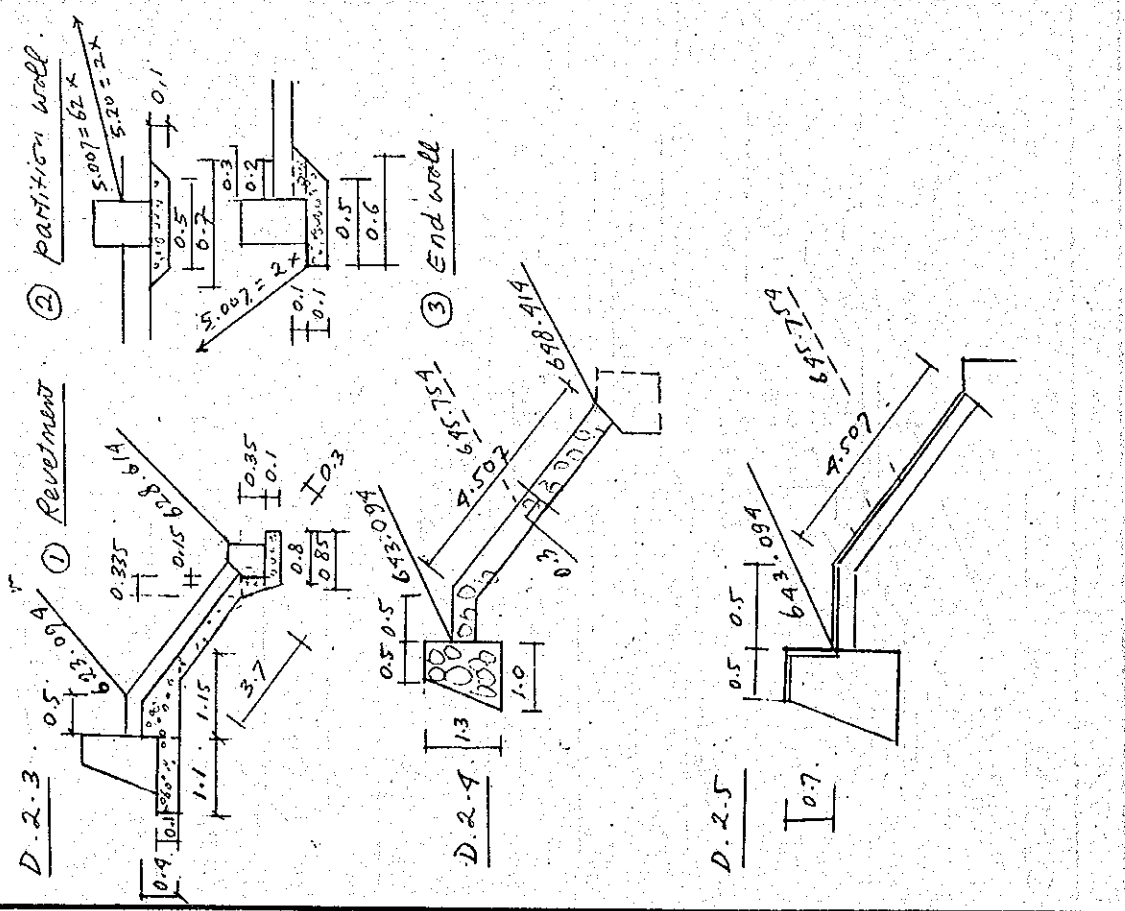


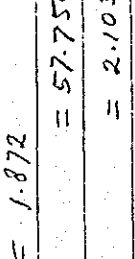
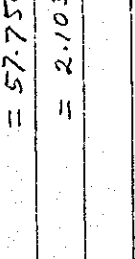

TYPE OF WORK:	JOINT FILLER		RESULT
LOCATION:	CALCULATION		
	① TOP CONCRETE (2)		
	$A = 4.648 \text{ m}^2 / 15.0 \text{ m} \times 80.0 \text{ m} = 24.763$		24.763 m ²
	② PARTITION WALL		
	$A = 1.798 \text{ m}^2 / 15.0 \text{ m} \times 80.0 \text{ m} = 9.589$		9.589 m ²
	③ BASE CONCRETE		
	$A = 0.160 \text{ m}^2 / 15.0 \text{ m} \times 80.0 \text{ m} = 0.853$		0.853 m ²
	④ END WALL		
	$A = 1.490 \text{ m}^2 / \text{piece} \times 1 \text{ piece} = 1.490$		1.490 m ²



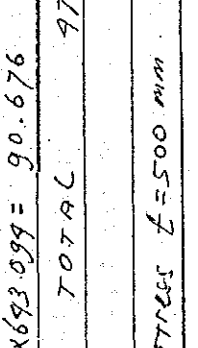
TYPE OF WORK	RETIEMENT FOR SIDE SLOPE 1:2 AND 1.5:1	CALCULATION	RESULT
LOCATION	W/F (3L) - W/F (-9L)		
① Revetment		$V1 = \left\{ \left(\frac{3.0 + 6.0}{2} \right) \times 0.75 \times 693.099 \right\} = 1,496.961$ $\left\{ \left(\frac{2.9 + 0.6}{2} \right) \times 693.099 \right\} = 1,118.983$ $\left\{ \left(\frac{6.0 + 0.80}{2} \right) \times \frac{1}{2} \times 698.919 \right\} = 1,556.194$ $\left\{ \left(\frac{1.3 + 3.1}{2} \right) \times \frac{1}{2} \times 0.8 \times 698.919 \right\} = 1,141.209$	5,263.347
② Partition wall		$V2 = \left\{ \left(\frac{0.5 + 0.7}{2} \right) \times \frac{1}{2} \times 0.10 \times 5.007 \right\} \times 62 = 18.826$ $\left\{ \left(\frac{0.5 + 0.7}{2} \right) \times \frac{1}{2} \times 0.10 \times 5.203 \right\} \times 2 = 0.624$	= 19.250
③ Backfill		$V3 = \left\{ \left(\frac{0.5 + 0.9}{2} \right) \times \frac{1}{2} \times 0.20 \times 5.007 \right\} \times 2 = 1.402$ $\left\{ \left(\frac{0.6 + 1.2}{2} \right) \times \frac{1}{2} \times 0.60 \times 5.007 \right\} \times 2 = 5.408$	= 6.810
	TOTAL	TOTAL	5,289.407
④ Backfill with selected soil		$V = \left\{ \left(\frac{2.0 + 1.6}{2} \right) \times \frac{1}{2} \times 0.17 \times 698.919 \right\} = 35.663$ $\left\{ \left(\frac{0.7 + 1.3}{2} \right) \times \frac{1}{2} \times 0.6 \times 698.919 \right\} = 389.098$ $\left\{ \left(\frac{1.6 + 2.0}{2} \right) \times \frac{1}{2} \times 0.2 \times 698.919 \right\} = 233.929$	658.190
	TOTAL	TOTAL	658.190

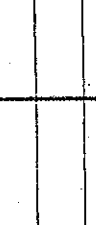
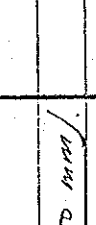
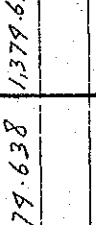
TYPE OF WORK:	REVETMENT FOR SIDE SLOPE 1:2 AND 1:1.5	CALCULATION	RESULT
LOCATION:	W/F (34) - W/F (94)	D. 2.3 GRAVEL BEDDING	
D. 2.3	① Retevment	$V1 = \frac{1}{2} \{ (0.1 \times 1.1) \times 623.097 \}$ $= 68.590$	
		$\frac{1}{2} \{ (0.5 + 1.15) \times \frac{1}{2} \times 0.9 \} \times 623.097 = 205.621$	
		$\frac{1}{2} \{ 3.7 \times 0.3 \} \times 628.619 = 697.762$	
		$\frac{1}{2} \{ 0.15 + 0.335 \times \frac{1}{2} \times 0.35 \} \times 628.619 = 53.359$	
		$\frac{1}{2} \{ 0.8 + 0.85 \} \times \frac{1}{2} \times 0.10 \} \times 628.619 = 51.861$	
		$V1 = 1,077.138$	
		$V2 = \frac{1}{2} \{ (0.5 + 0.7) \times \frac{1}{2} \times 0.10 \times 51007 \} \times 62 = 18.626$	
		$\frac{1}{2} \{ (0.5 + 0.7) \times \frac{1}{2} \times 0.10 \times 5.20 \} \times 2 = 0.629$	
		$V2 = 19.250$	
		$V3 = \frac{1}{2} \{ (0.5 + 0.6) \times \frac{1}{2} \times 0.10 \times 5.007 \} \times 2 = 0.551$	
		$\frac{1}{2} \{ (0.2 + 0.3) \times \frac{1}{2} \times 0.10 \times 5.007 \} \times 2 = 0.250$	
		$V3 = 0.801$	
		TOTAL	1,097.189
		D. 2.4 Wet stone Masonry	
		$V = \frac{1}{2} \{ (0.5 + 1.0) \times \frac{1}{2} \times 1.3 \} \times 643.099 = 627.017$	
		$\frac{1}{2} \{ (4.507 + 0.5) \times 0.3 \} \times 645.759 = 969.987$	
		TOTAL	1,597.004
		D. 2.5 Cement Mortar Pointing on Riverside Surface	
		$A = \frac{1}{2} \{ (0.5 + 0.7) \times 643.097 \}$	= 771.713
		$\frac{1}{2} \{ (0.5 + 9.507) \times 645.759 \}$	= 3,233.290
		TOTAL	4,005.003
		TOTAL	9,005.003



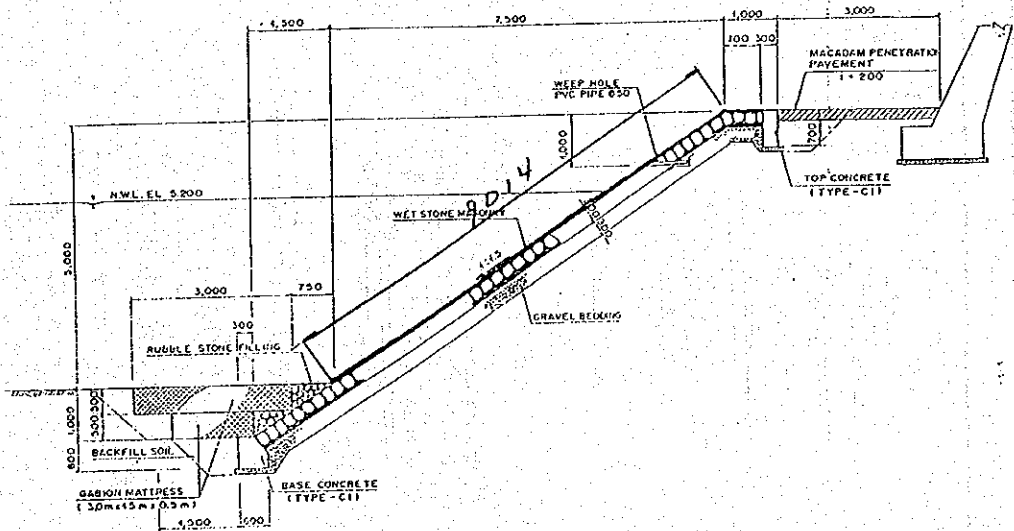
TYPE OF WORK:	REVETMENT FOR SIDE SLOPE 1:2 AND 1:1.5.		RESULT
LOCATION:	WF (34) - WF (-9C)		
D-2.6	<p>① Partition wall</p>  <p>② End wall $N=934$ $\phi 0.15$</p> <p>③ Base Concrete</p>		
D-2.7	 <p>① Partition wall</p> <p>② End wall</p> <p>③ Base Concrete</p>		
D-2.8	 <p>① Partition wall</p> <p>② End wall</p> <p>③ Base Concrete</p>		
CALCULATION			
D-2.6 Concrete, Type C1 including Formwork.			
$V_1 = \{ (0.3 \times 0.6) \times 5.007 \} \times 62$	$= 55.878$		
$V_2 = \{ (0.3 \times 0.6) \times 5.20 \} \times 2$	$= 1.872$		
$V_3 = \{ (0.3 \times 0.7) \times 5.007 \} \times 2$	$= 2.103$		
$V_4 = \{ (0.3 \times 0.6) \times 6.98.919 \} -$	$= 115.565$		
$V_5 = \{ (0.3 + 0.6) \times \frac{1}{2} \times 0.3 \} \times 6.98.919$	$= 87.536$		
$V_6 = \{ (0.3 + 0.6) \times \frac{1}{2} \times 0.3 \} \times 6.98.919$	$= 87.536$		
TOTAL	262.959		262.959 m ³
D-2.7 Deformed Reinforcing Bars.			
$W_1 = \{ (1.59 \times 1.5) \times 0.62 \}$	$= 1.073.220$		
$W_2 = \{ (6 \times 320.833) \times 1.09 \}$	$= 2,002.004$		
$W_3 = \{ (36 \times 1.7) \times 0.62 \}$	$= 37.999$		
$W_4 = \{ (6 \times 10.019) \times 1.09 \}$	$= 62.987$		
$W_5 = \{ (2.163 \times 1.95) \times 0.62 \}$	$= 2,615.067$		
$W_6 = \{ (6 \times 6.98.919) \times 1.09 \}$	$= 4,046.103$		
$W_7 = \{ (6 \times 6.98.919) \times 1.09 \}$	$= 4,046.103$		
TOTAL	9,836.825		9,836.825 kg
D-2.8 Log pile Dia 150 mm, L = 3.0 m			
$L = \{ (933 \times 3.00) \}$	$= 1,299$		1,299 m

TYPE OF WORK:	REVETMENT FOR SIDE SLOPE 1:2 AND 1:1.5		RESULT
LOCATION:	WF/3LJ - WFC (-9LJ)		
D.2.9	① Parapet wall		<p>D.2.9 JOINT FILLER, 10mm thick</p> $A1 = \frac{1}{2} \{0.5 + 1.0\} \times \frac{1}{2} \times 1.3 \times 69 = 62.400$ $\frac{1}{2} \{0.3 \times 623.299\} \times 1.7 = 186.988$ $= 249.388$
A1			$A2 = \frac{1}{2} \{0.3 \times 5.007\} \times 62.3 = 93.130$ $\frac{1}{2} \{0.3 \times 5.20\} \times 2 = 3.120$ $= 96.250$
A2			$A3 = \frac{1}{2} \{0.3 \times 5.007\} \times 2 = 3.004$ $A4 = \frac{1}{2} \{0.3 \times 0.60\} \times 69 = 11.52$ $\frac{1}{2} \{0.3 + 0.6\} \times \frac{1}{2} \times 0.3 \times 69 = 8.64$ $= 20.160$
A3			<p>D.2.10 Weep Hole, Dia. 50mm</p> $PVC = \frac{695.359}{1.7} \times 3 = 1190$
A4			<p>D.2.11 Gabion Cylinder Dia. 500mm</p> <p>NOTHING</p>
TOTAL			<p>TOTAL 368.802</p> <p>368.802 M²</p>

TYPE OF WORK:	REVETMENT FOR SIDE SLOPE 1:2 AND 1:1.5	CALCULATION	RESULT
LOCATION:	WF/3LJ - WF (-9L)		
D. 2-12		<p>D. 2-12 SOIL FILLING</p> $V = \frac{1}{2} (0.5 + 1.2) \times \frac{1}{2} \times 0.37 \times 693.099 = 382.641$ $\frac{1}{2} (0.1 + 0.37) \times \frac{1}{2} \times 0.6 \times 693.099 = 90.676$ <p>TOTAL 973.317</p>	973.317 m ³
D. 2-13	NOTHING	Gabion Mattress L=500 mm	
D. 2-14	NOTHING	RUBBLE STONE FILLING (DIA. 50 TO 150 MM)	

TYPE OF WORK:	REVESTMENT FOR SIDE SLOPE 1:2 AND 1:1.5		RESULT
LOCATION:	WF (3L) - WF (-9L)		
D.3.1			
	$V = \frac{1}{2} \{ 1.2 \times 0.9 + 4.6 \times 0.9 \} \times 698.919 = 311.339$ $\frac{1}{2} \{ 1.9 + 0.9 \} \times \frac{1}{2} \times 0.9 \} \times 698.919 = 1,896.611$		2,207.850
	TOTAL		2,207.850
D.3.2			
	$V = \frac{1}{2} \{ 3.9 + 4.1 \} \times \frac{1}{2} \times 0.9 \times 698.919 = 972.621$ $\frac{1}{2} \{ 1.1 + 2.0 \} \times \frac{1}{2} \times 0.9 \times 698.919 = 402.017$		1,374.638
	TOTAL		1,374.638
D.3.3			
	$V = \frac{1}{2} \{ 4.0 + 5.0 \} \times \frac{1}{2} \times 0.6 \times 698.919 = 1,750.718$ $\frac{1}{2} \{ 2.0 + 2.25 \} \times \frac{1}{2} \times 0.6 \times 698.919 = 826.728$ $\frac{1}{2} \{ 1.0 \times 0.5 \} \times 698.919 = 329.207$		2,901.653
	TOTAL		2,901.653

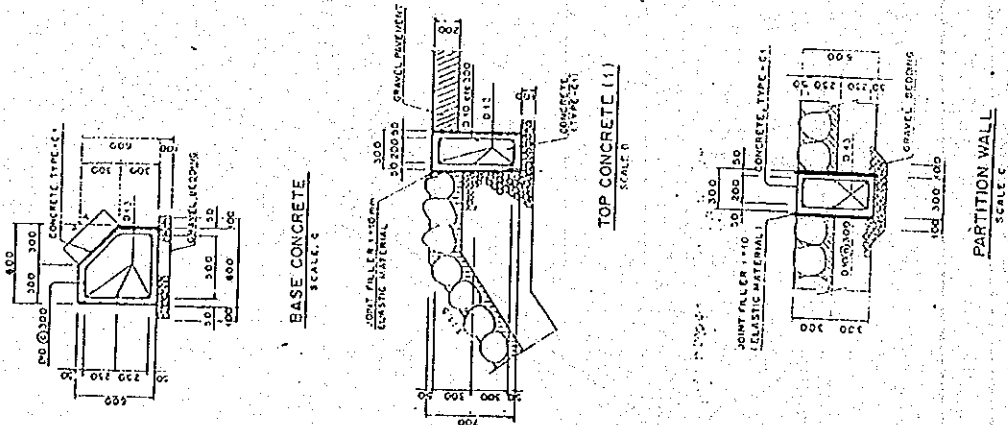
TYPE OF WORK: LOCATION:	CEMENT MORTAR POINTING	CALCULATION	RESULT
		① SLOPE OF 1:1.5	
		A = 761.579 m ²	
		② SLOPE OF 1:2.0	
		A = 839.918 m ²	
		③ SLOPE OF 1:1.5 ~ 1:2.0	
		A = 817.432 m ²	
		TOTAL	1918.929



CONCRETE, FORM

TYPE OF WORK:

LOCATION:

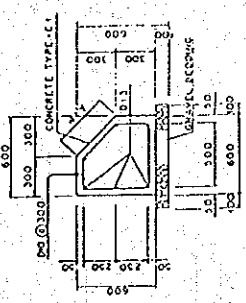


CALCULATION

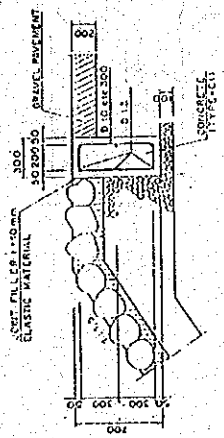
RESULT

	11.5	12.0	11.5 ~ 12.0	TOTAL
TOP	16.800	13.615	6.387	36.802
BASE	119.120	92.130	43.005	248.255
	25.200	15.243	9.450	49.893
	107.600	75.037	40.350	222.987
PAT.	14.418	10.585	2.117	27.118
	73.707	70.580	14.116	158.403
END		2.541	2.541	5.082
		8.470	8.470	16.94
	CONC.			
	FORM			

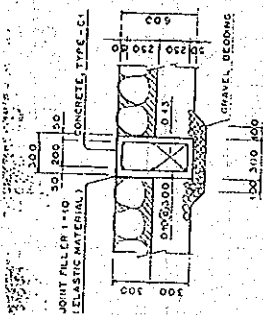
TYPE OF WORK :	DEFORMED REINFORCING BARS				RESULT
LOCATION :	CALCULATION				
	1.1.5	1.2.0	1.1.5 ~ 1.2.0	TOTAL	
TOP	0.711	0.763	0.290	1.764	
BASE	0.693	0.805	0.302	1.800	
PART.	0.615	0.549	0.123	1.287	
END	0.129		0.129	0.258	



BASE CONCRETE
SCALE: C

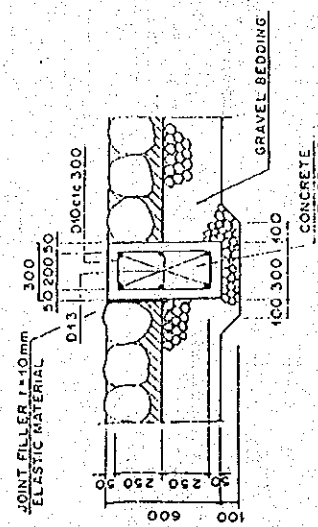
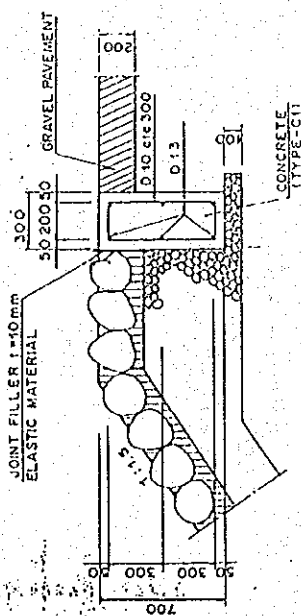


TOP CONCRETE (1)
SCALE: C

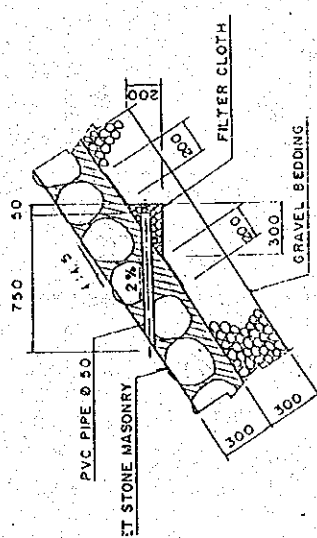


PARTITION WALL
SCALE: C

TYPE OF WORK :	JOINT FILLER		CALCULATION		RESULT	
LOCATION :			1:1.5	1:2.0	TOTAL	
	TOP	24.640	19.704	9.368	44.344	
	PART.	18.427	17.645	3.529	39.601	
	END		3.529	3.529	7.058	
	BASE	1.760	1.524		3.284	

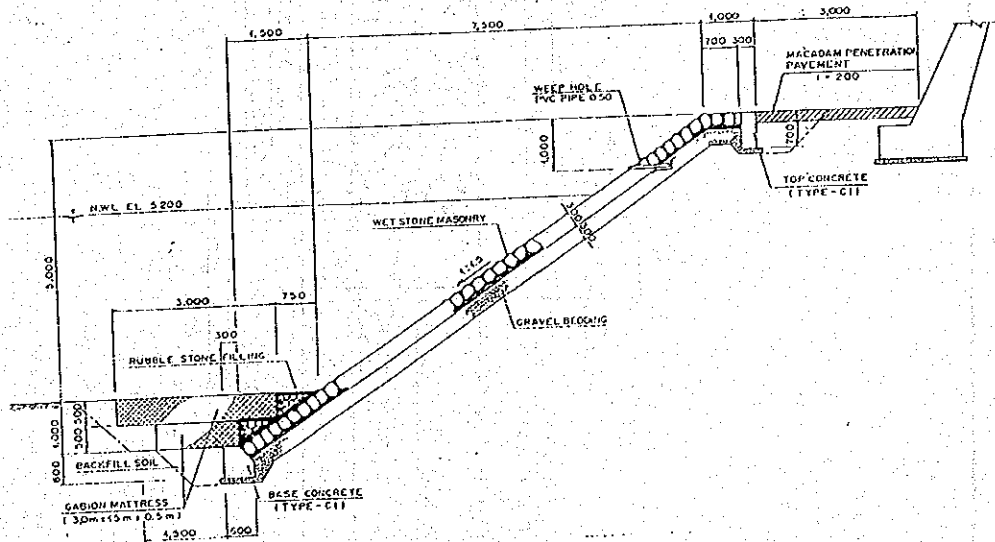


TYPE OF WORK :	WEEP HOLE		CALCULATION		RESULT	
LOCATION :						
	1:1.5	1:2.0	1:1.5 ~	1:2.0	TOTAL	
PVC	36,000	36,000	14,400	86,400	86,400	
FILTER CLOTH	30,720	28,800	11,520	71,040	71,040	
N	48	45	18	111	111	



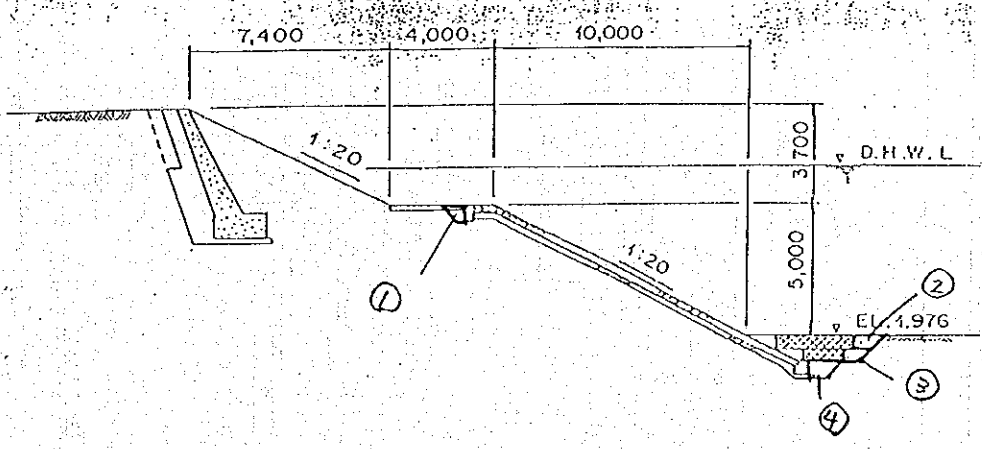
TYPE OF WORK: LOCATION:	GABION MATRESS	CALCULATION	RESULT
		① SLOPE OF 1:1.5	
		$V = 180,000 \text{ m}^3$	
		② SLOPE OF 1:2.0	
		$V = 155,269 \text{ m}^3$	
		③ SLOPE OF 1:1.5 ~ 1:2.0	
		$V = 67,500 \text{ m}^3$	
		TOTAL	402,769 m ³

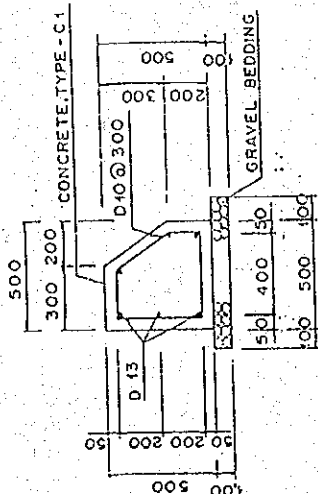
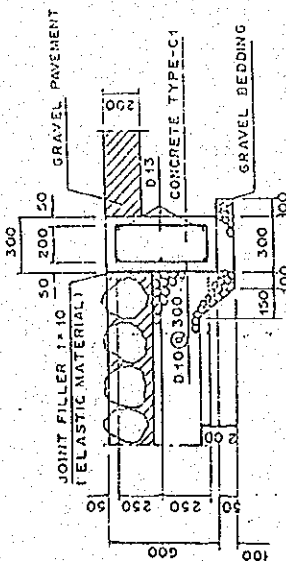
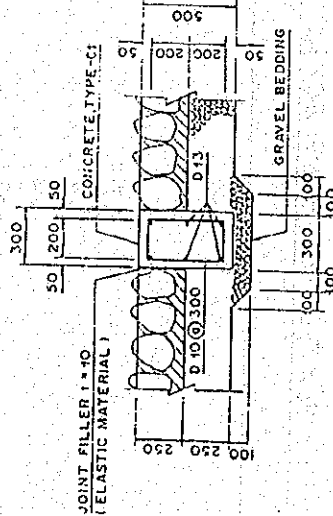
TYPE OF WORK:	RUBBLE STONE FILLING	RESULT
LOCATION :		
	① SLOPE OF 1:1.5	
	V = 30.000 M ³	
	② SLOPE OF 1:2.0	
	V = 34.881 M ³	
	③ SLOPE OF 1:1.5 IN 1:2.0	
	V = 13.125 M ³	
	TOTAL	78.006 M ³

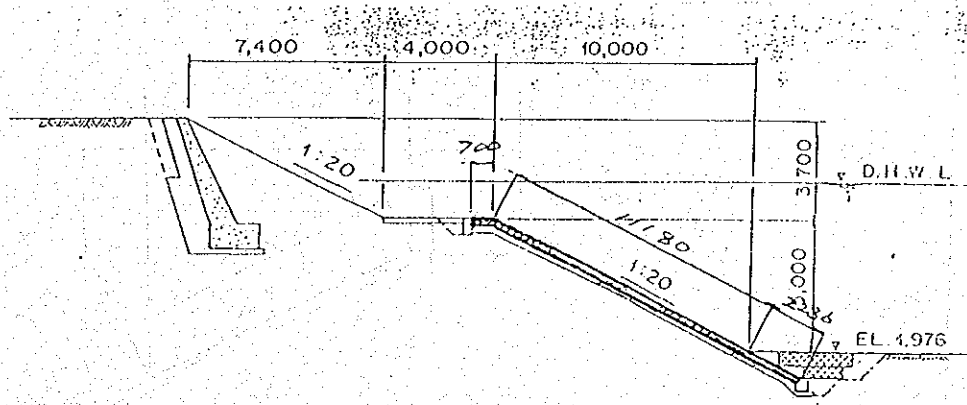


RESULT	CALCULATION
38.085 m ³	$V = (17.445 + 20.640) \div 2 \times 15.0 \text{ m}$ $= 38.085$

TYPE OF WORK: BACKFILL WITH SELECTED SOIL
 LOCATION:

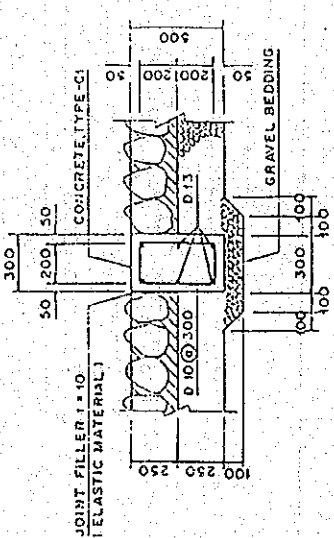
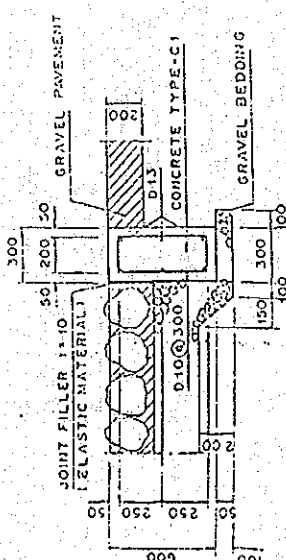
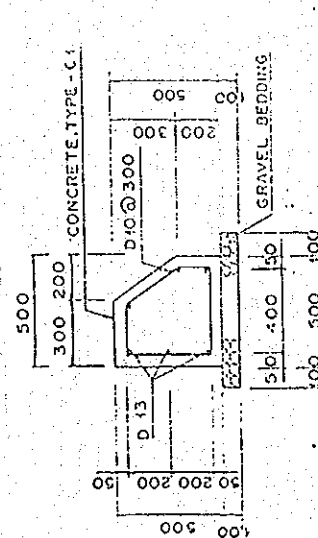


TYPE OF WORK: LOCATION:	GRAVEL BEDDING	CALCULATION	RESULT
		① BASE CONCRETE	
		$V = 1.20 \text{ m}^3 / 15.0 \text{ m} \times 30.0 \text{ m} = 2.400$	2.400 m ³
		② TOP CONCRETE	
		$V = 0.60 \text{ m}^3 / 15.0 \text{ m} \times 30.0 \text{ m} = 1.200$	1.200 m ³
		③ PARTITION WALL	
		$V = 0.706 \text{ m}^3 / \text{place} \times 1 \text{ place} = 0.706$	0.706 m ³
		④ END WALL	
		$V = 0.706 \text{ m}^3 / \text{place} \times 1 \text{ place} = 0.706$	0.706 m ³
		⑤ STANDARD SECTION	
		$V = (49.409 + 51.876) \div 2 / 15.0 \text{ m} \times 30.0 \text{ m} = 101.285$	101.285 m ³
		TOTAL	106.297 m ³

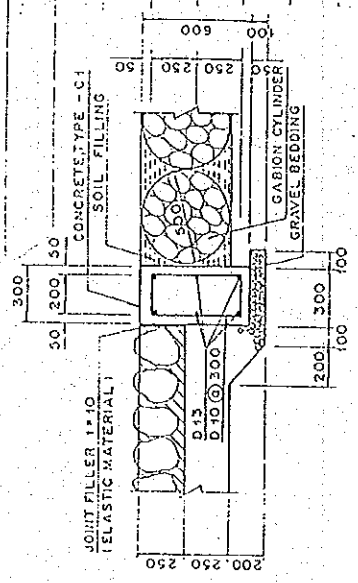
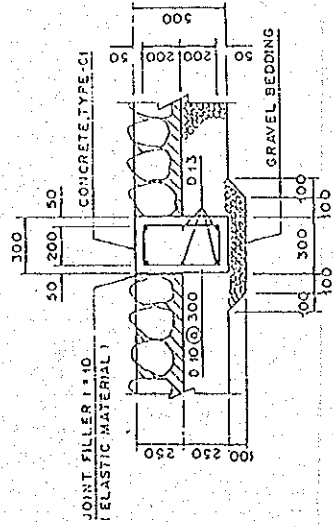
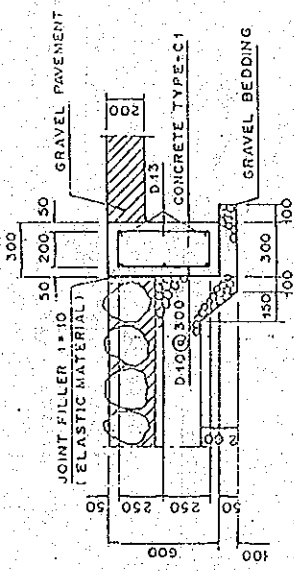
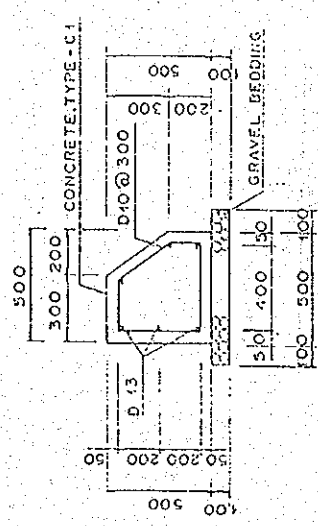
TYPE OF WORK: LOCATION:	MET STONE MASONRY	CALCULATION	RESULT
	 <p>The diagram shows a cross-section of a masonry structure. It features a top horizontal section with three segments of 7,400, 4,000, and 10,000 units. Below this, a sloped section descends to the right with a 1:20 slope. A vertical section of 700 units connects the top and the slope. From the bottom of the 700-unit section, another slope descends to the right with a 1:20 slope. A horizontal section of 3,700 units follows, ending at a dashed line labeled 'D.H.W.L.'. The bottom of the structure is at an elevation of 'EL. 4.976'. A vertical dimension of 23,000 units is shown on the right side, and a horizontal dimension of 23,000 units is shown at the bottom right. A small vertical dimension of 3,700 units is also indicated near the D.H.W.L. line.</p>	$V = (50.789 + 51.656) \div 2 \times 15.0m$ $= 102.445$	

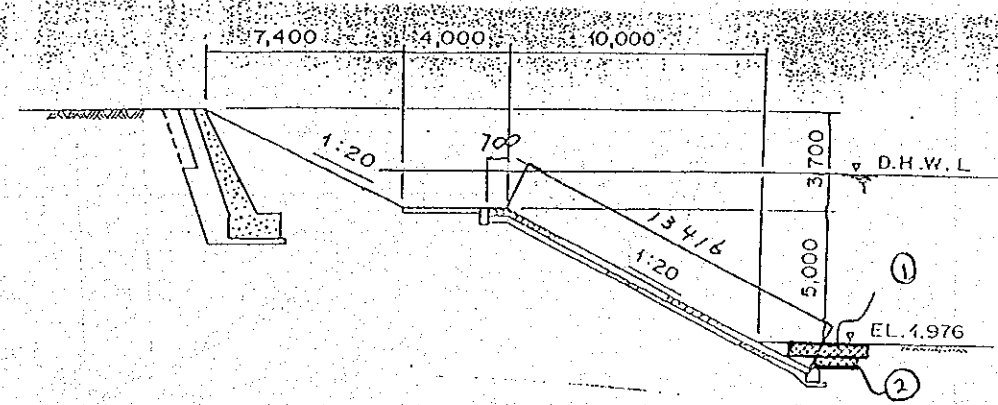
TYPE OF WORK:	DEFORMED REINFORCING BARS	CALCULATION	RESULT
LOCATION:		<p>① TOP CONCRETE</p> $W = (0.093 + 0.050) \times 15.207 \times 2 = 4.349$ $\times 15 = 0.290$ <p>② BASE CONCRETE</p> $W = (0.093 + 0.058) \times 15.0 \times 2 = 4.530$ $\times 15 = 0.302$ <p>③ PARTITION WALL</p> $W = 0.123 \text{ tf/plate} \times 1 \text{ place} = 0.123$ <p>④ END WALL</p> $W = 0.129 \text{ tf/plate} \times 1 \text{ place} = 0.129$ <p>TOTAL</p> 9.131 tf 0.844	<p>4.349 tf</p> <p>0.290 tf</p> <p>4.530 tf</p> <p>0.302 tf</p> <p>0.123 tf</p> <p>0.129 tf</p> <p>9.131 tf</p> <p>0.844</p>

TYPE OF WORK :	CONCRETE FORM		
LOCATION :			
CALCULATION			RESULT
① TOP CONCRETE			
1) CONCRETE			6.387 m ³
$V = 3.150 \text{ m}^3 / 15.0\text{m} \times 15.207 \times 2 = 6.387$			
2) FORM			43.005 m ²
$A = 21.210 \text{ m}^2 / 15.0\text{m} \times 15.207 \times 2 = 43.005$			
② BASE CONCRETE			
1) CONCRETE			9.450 m ³
$V = 4.725 \text{ m}^3 / 15.0\text{m} \times 15.0\text{m} \times 2 = 9.450 \text{ m}^3$			
2) FORM			40.350 m ²
$A = 20.175 \text{ m}^2 / 15.0\text{m} \times 15.0\text{m} \times 2 = 40.350 \text{ m}^2$			
③ PARTITION WALL			
1) CONCRETE			2.117 m ³
$V = 2.117 \text{ m}^3 / \text{place} \times 1 \text{ place} = 2.117 \text{ m}^3$			
2) FORM			14.116 m ²
$A = 14.116 \text{ m}^2 / \text{place} \times 1 \text{ place} = 14.116 \text{ m}^2$			
④ END WALL			
1) CONCRETE			2.541 m ³
$V = 2.541 \text{ m}^3 / \text{place} \times 1 \text{ place} = 2.541$			
2) FORM			8.470 m ²
$A = 8.470 \text{ m}^2 / \text{place} \times 1 \text{ place} = 8.470$			
TOTAL CONCRETE			20.495 m ³
TOTAL FORM			106.941 m ²



TYPE OF WORK:	JOINT FILLER		RESULT
LOCATION:	CALCULATION		
	① TOP CONCRETE		
	A = $4.620 \text{ m} / 15.5 \text{ m} \times 15.207 \times 2 = 9.368$		9.368 m ²
	② PARTITION WALL		
	A = $3.529 \text{ m}^2 / \text{place} \times 1 \text{ place} = 3.529$		3.529 m ²
	③ END WALL		
	A = $3.529 \text{ m}^2 / \text{place} \times 1 \text{ place} = 3.529$		3.529 m ²
	④ BASE CONCRETE		



TYPE OF WORK: LOCATION :	GABION MATRESS	CALCULATION	RESULT
		$V = 33.750 \text{ m}^3 / 15.0 \text{ m} \times 15.0 \text{ m} \times 2 = 67.500 \text{ m}^3$	67.500 m ³

TYPE OF WORK:	RUBBLE STONE FILLING	RESULT
LOCATION:		
	$V = (8.625 + 7.5) \div 2 \times 15.0m \times 2$	
	$= 13.125$	13.125 m ³

