

BHARAT NIRMAN

COST ESTIMATE FOR THE CONSTRUCTION OF RCC CULVERT OF 6 M SPAN FOR 6 M CARRIAGE WAY.

Name of Scheme:- **AFANI TO JAR (STAGE- 1)**

S.N	Description of items	Len gth (M)	Wid th (M)	Heig ht /Thic knes s (M)	unit	Quantit y	Rate (Rs)	Amount (Rs)
1		2	3	4	5	6	7	8
1	Earth excavation in structures (70% hard soil & 20% soft rock 10% hard rock)				Cum	265.02	363.00	96202.26
2	PCC M010 grade using 40-10mm aggregates				Cum	24.52	4020.00	98570.40
3	PCC M15 grade using 40mm-20mm & 10mm aggregate				Cum	312.46	4112.00	1284835.52
4	RCC M25 grade using 20mm-10mm aggregates (slab)				Cum	25.67	6154.00	157973.18
5	HYSD Steel (TMT)				M.T.	3.6	73644.00	265118.40
6	Backfilling stones behind abutment, wing wall R/Wall				Cum	82.5	677.00	55852.50
7	RR Masonry Dry				Cum	38.6	1809.00	69827.40
8	Carriages							
	a. Carriage of sand				Cum	170.35	238.23	40582.48
	b. Carriage of stone agg.				Cum	340.71	843.75	287474.06
	c. Stone				Cum	103.1	176.16	18162.10
	d. Cement				M.T.	99.93	1701.9	170070.87
	e. Carriage of Steel				M.T.	3.6	1723.9	6206.04

G.Total:- Rs. 2550875.21
Say Rs. 25.50lacs

BHARAT NIRMAN
COST ESTIMATE FOR THE CONSTRUCTION OF RCC CULVERT OF 2.00 M SPAN FOR 6 M
CARRIAGE WAY.

Name of Scheme:- AFANI TO JAR (STAGE- 1)

S.N o	Description of items	Len gth (M)	Wid th (M)	Heig ht /Thic knes s (M)	unit	Quantit y	Rate (Rs)	Amount (Rs)	
1		2	3	4	5	6	7	8	9
1	Earth excavation in structures (70% hard soil & 20% soft rock 10% hard rock)				Cum	90.04	363.00	32684.52	
2	PCC M010 grade using 40-10mm aggregates				Cum	9.87	4020.00	39677.40	
3	PCC M15 grade using 40mm-20mm & 10mm aggregate				Cum	104.29	4112.00	428840.48	
4	RCC M-25 grade using 20mm-10mm aggregates (slab)				Cum	4.46	6154.00	27446.84	
5	HYSD Steel (TMT)				MT	0.58	73644.00	42713.52	
6	Backfilling stones behind abutment, Wing wall/retaining wall				Cum	11.25	677.00	7616.25	
7	RR Masonry Dry				Cum	8.99	1809.00	16262.91	
8	Carriages								
	a. Carriage of sand				Cum	56.78	238.23	13526.70	
	b. Carriage of stone agg.				Cum	113.59	843.75	95841.56	
	c. Carriage of Stone				MT	8.99	176.16	1583.68	
	d. Carriage of cement				MT	32.92	1701.9	56026.55	
	e. Carriage of steel				MT	0.58	1723.9	999.86	
G.Total:- Rs.								763220.27	

Say Rs. 7.63 lacs

COST ESTIMATE FOR THE CONSTRUCTION OF DRY MASONRY EDGE WALL (1 Mtr Height) for 10.00 MTR LENGTH

Name of Scheme:- AFANI TO JAR (STAGE-1)

15.51
19.58
19.581
~~19.581~~
19.581

1712-1759

1712-1759

BHARAT NIRMAN
COST ESTIMATE FOR THE CONSTRUCTION OF BREAST WALL FOR 10.00 MTR
LENGTH (FOR ORDINARY SOIL)

Name of Scheme:- AFANI TO JAR (STAGE- 1)

S.No	Description of items	Length (M)	Width (M)	Height / Thickness (M)	Unit	Quantity	Rate (Rs)	Amount (Rs)
1		2	3	4	5	6	7	8
1	Earth excavation in structures (70% hard soil & 20% soft rock 10% hard rock)				Cum	13.26	363.00	4813.38
2	PCC M010 grade using 40-10mm aggregates				Cum	1.69	4020.00	6793.80
3	RS Masonry in 1:6 mix				Cum	7.74	3707.00	28692.18
4	RR Masonry Dry				Cum	5.13	1809.00	9280.17
5	PCC M20 coping (20mm-10mm) aggregate				Cum	0.525	4961.00	2604.53
6	Weep holes with 100 mm dia				nos	14	205.00	2870.00
7	PCCM-20 (DRAIN EDGE)				Cum	1.35	4690.00	6331.50
8	Plastring with cement mortar, 15mm thick.				Sqm	10	136.00	1360.00
9	Carriages							
	a. Carriage of sand				Cum	4.35	238.23	1036.30
	b. Carriage of stone agg.				Cum	3.14	843.75	2649.38
	c. Stone				Cum	7.74	176.16	1363.48
	d. Cement				MT	1.678	1701.9	2855.79
G.Total:- Rs.							70650.50	

Say Rs. /Mtr. 7065.05

BHARAT NIRMAN

COST ESTIMATE FOR THE CONSTRUCTION OF PUCCA DRAIN (10M).

Name of Scheme:- AFANI TO JAR (STAGE-1)

S. No	Description of items	Length (M)	Width (M)	Height / Thickness (M)	unit	Quantity	Rate (Rs)	Amount (Rs)	
1	Earth excavation in structures (70% hard soil & 20% soft rock 10% hard rock)	2	3	4	5	6	7	8	9
1	Earth excavation in structures (70% hard soil & 20% soft rock 10% hard rock)				Cum	1.23	363.00	446.49	
2	PCC M-10 grade using 40-10mm & 10mm aggregates				Cum	0.825	4020.00	3316.50	
3	PCC M15 grade using 40mm 20mm & 10mm aggregate				Cum	1.69	4112.00	6949.28	
4	Backfilling stones behind abutment, Wing wall/retaining wall				Cum	0.225	677.00	152.33	
5	<u>Carriages</u>								
	a. Carriage of sand				Cum	1.18	238.23	281.11	
	b. Carriage of stone				Cum	2.11	176.16	371.70	
	c. Carriage of cement				MT	0.669	1701.9	1138.57	
							G.Total:-	12655.98	

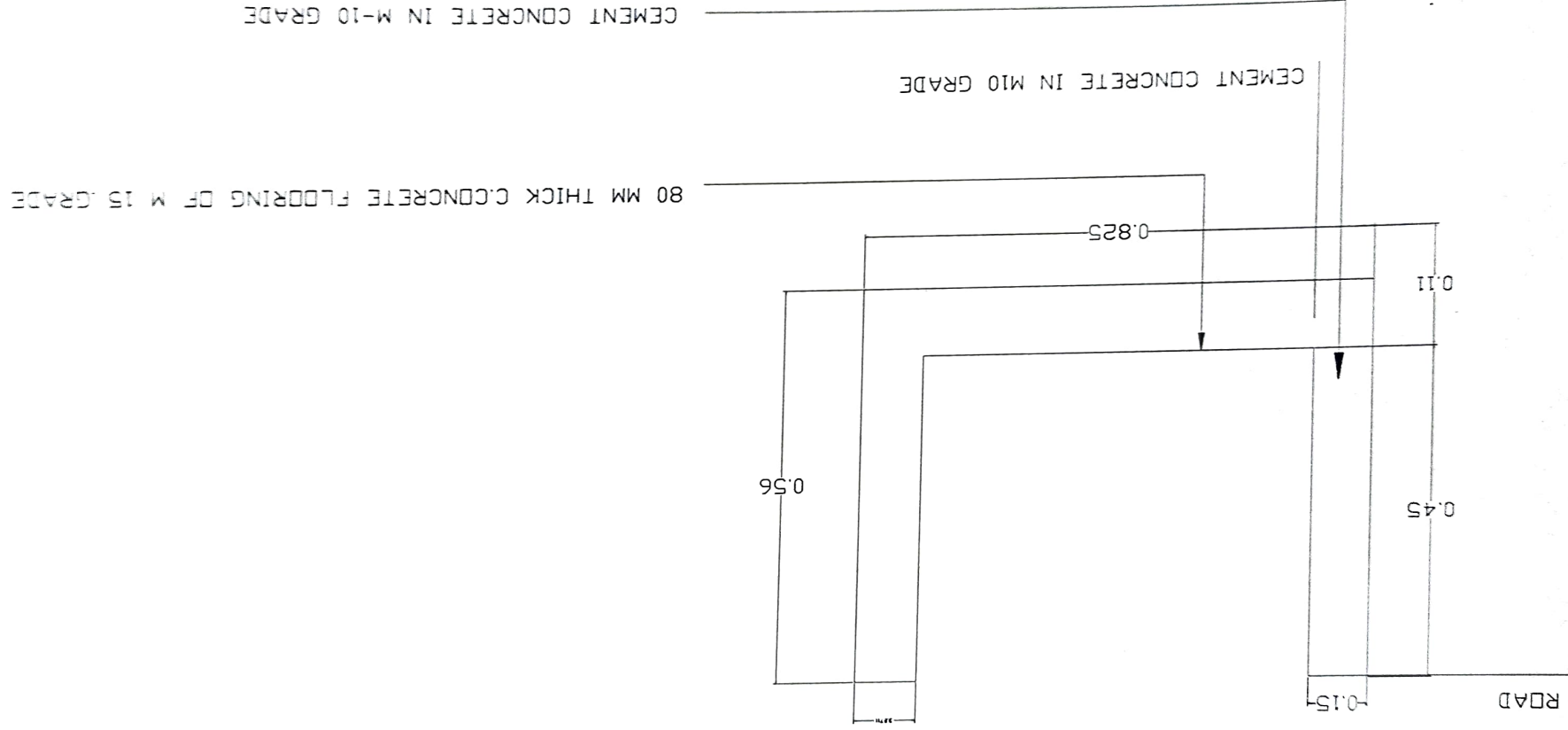
Cost/m 1265.60

DETAILED ESTIMATE FOR CONSTRUCTION OF PARAPETS

AFANI TO JAR (STAGE-1)

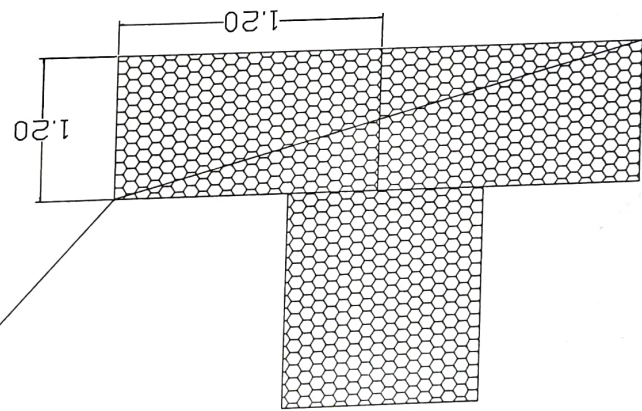
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Hydro



FORMATION WIDTH
5.50M

TYPICAL X-SECTION OF PROTECTION OF HILL SLOPE BY
WAY GRATE WORK ON DOWN HILL SIDE



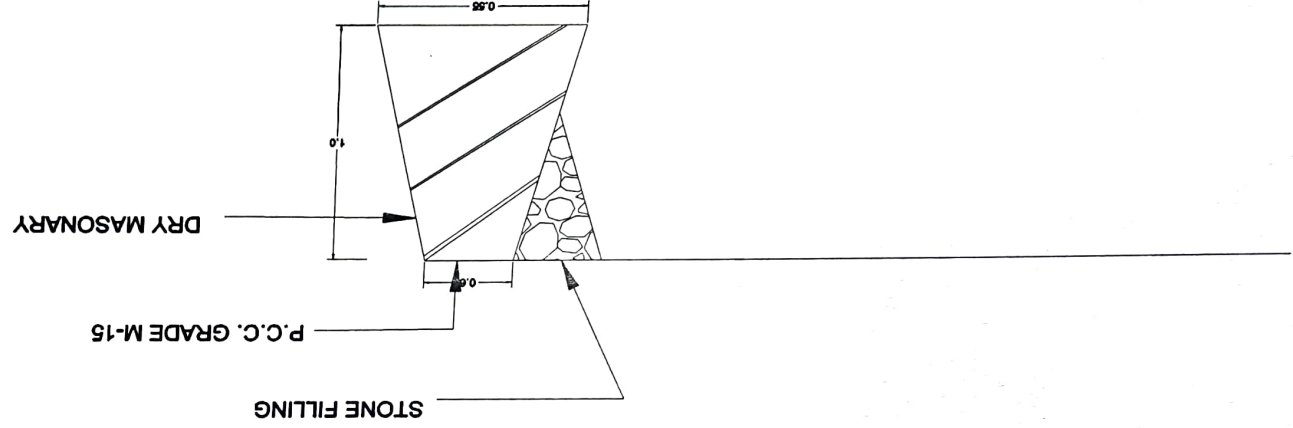
HILL SLOPE

hru

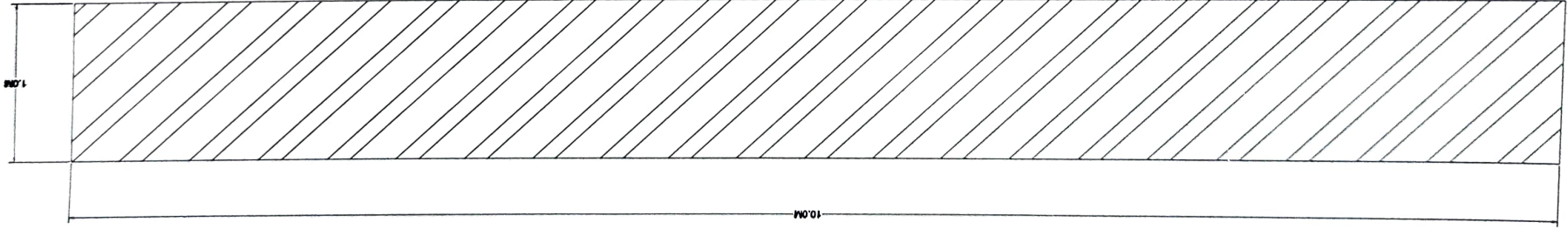
h3 200

T-X-SECTION

TYPICAL CROSS-SECTION OF
DRY EDGE WALL



ELEVATION



W. A. R.

0.20MM P.C.C.

0.45MM C.C.

0.60M STONE FILLING

SEC AT A-A

10 MM DIA BARS @ 200MM

60MM

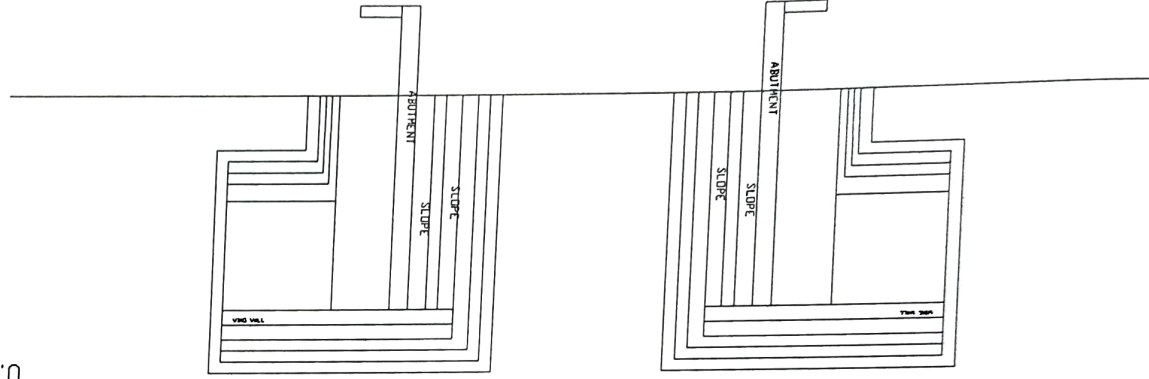
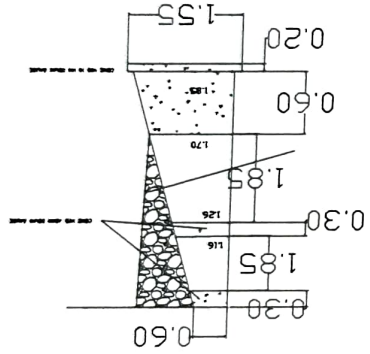
C. CONCRETE M-10 40MM DOWN GAUGE

PLAN

DETAILED TYPICAL DRAWING FOR CONSTRUCTION OF 2M SPAN R.C.C. CULVERT

HALF PLAN

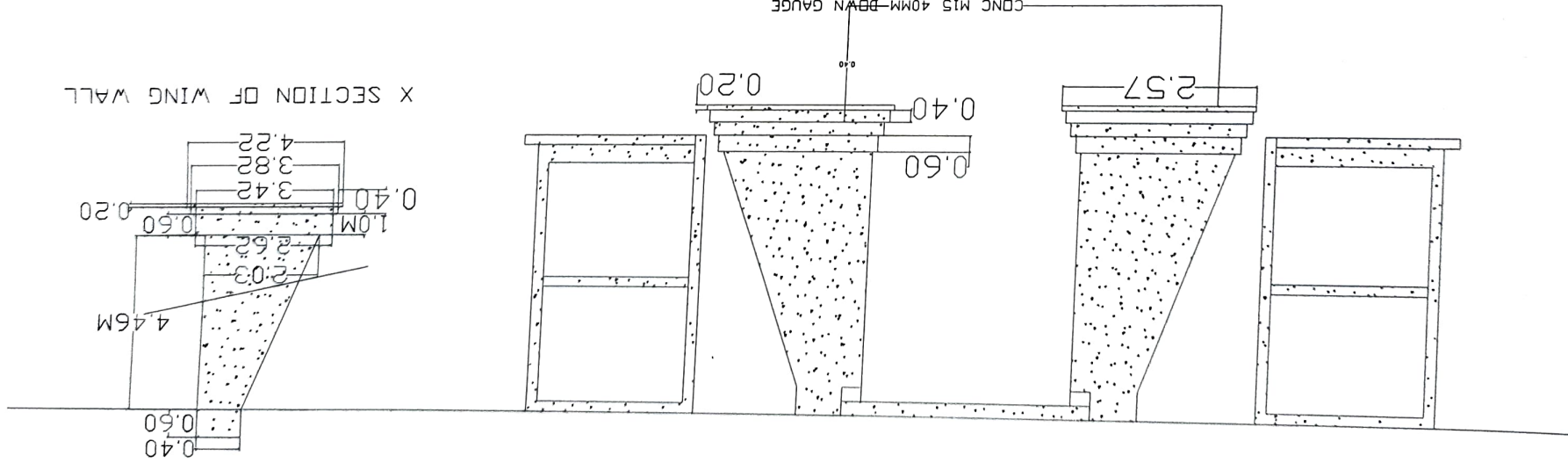
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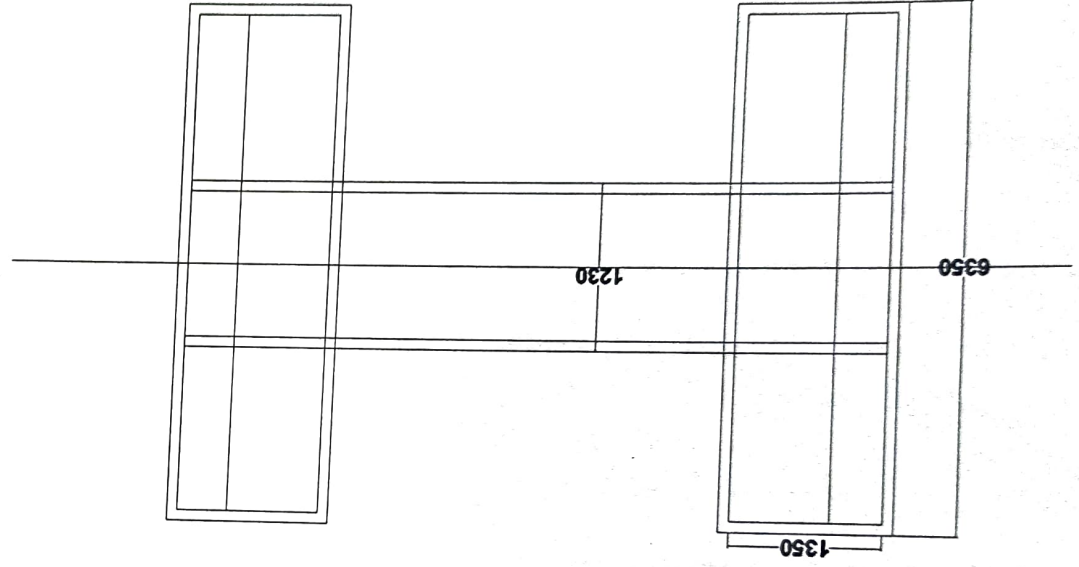
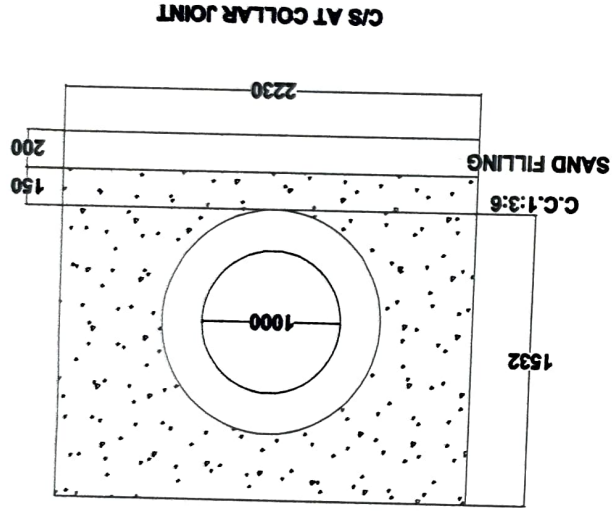
X SECTION OF CULVERT

CONC MIS 40MM-DOWN GAUGE

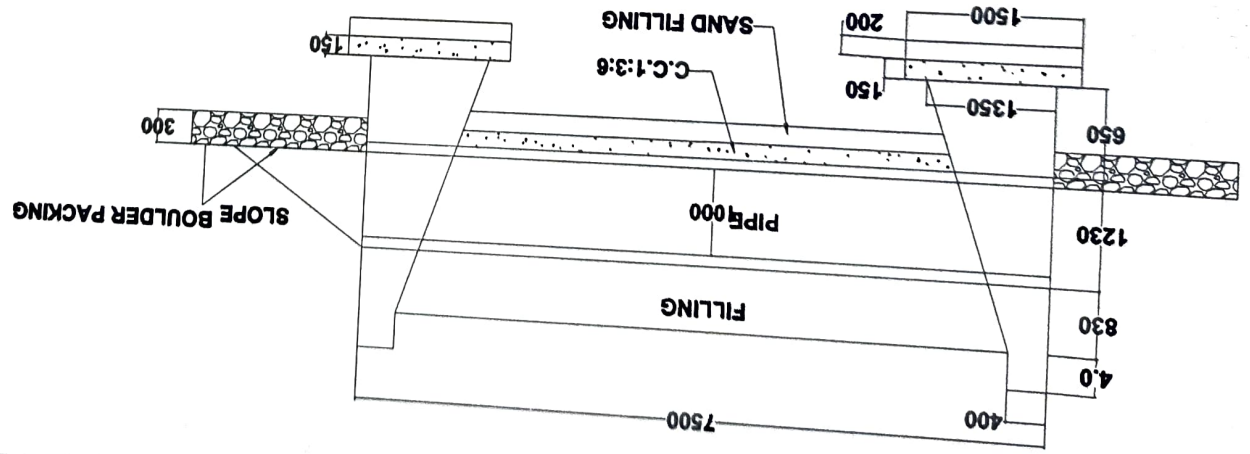
X SECTION OF WING WALL



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ALL DIMENSION IN MM



by

