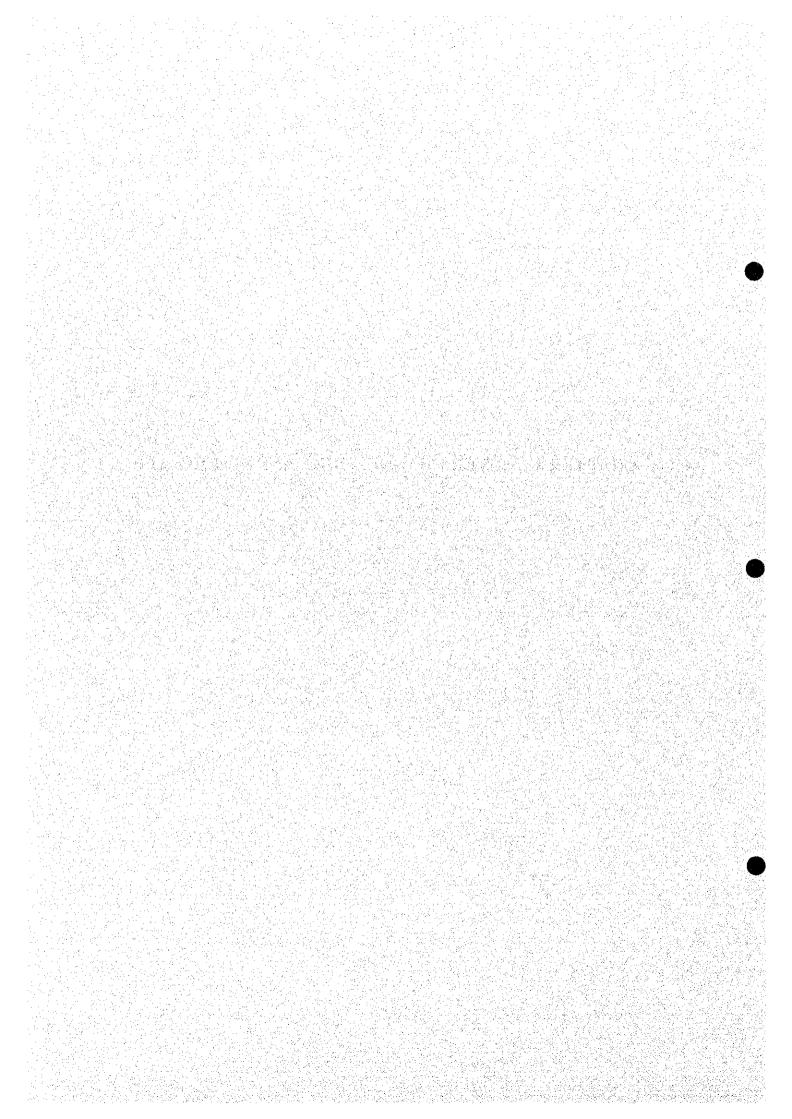
CHAPTER 1 RIVER CHANNEL, DIKE AND FLOODWALL



1.1 Earth Work for River Channel and Dike

	RUGHT							LEFT						
SECTION	Land Excavation	Land Excavation River Excavation	E	Earthúill	Clearing and Grubbing	Stripping of top soil	Sodding	vation	River	Embankmen	Earthill	Clearing and Grubbing	Stripping of top	Sodding
W.	(m)	(m)	(m)	(m)	(m)		(B)	(m)	(m)	, m	111	(m)	(111)	, m,
December of control												-		
(WF. 0, R. WF-15, R)	9697.78	62.14	1271.52	1478.77	4075.50	1018.87	3775.01					-		,
River Mouth - NRR Bridge					7									
WF.(0 - 9) - WF-15	17973.54	120399.79	7429.66	9651.23	17696.62	4424.16	5896.61	933.92	99395.72	\$10.31	463.60	2849.32	410.79	2441.36
NRR Bridge - Simongan Weir														
WF-15 - WF-96	147015.25	247398.68	4655.90	14598.12	54702.04	2268.58	19175.42	83580.72	130968.67	7027.67	10097.19	26600.77	2726.11	19149.87
Simongan Weir - Kree Junction													-	
WF (104) - WF-184	176615.97	71152.52	3650.42	4778.46	10735.01	721.50	14897.75	81.552.18	65794,52	995.27	1023.87	5853.82	00.00	8285.21
							2.5				-			
Total	351302.54	439013.13	17007.51	30506.58	87209.17	7414.24	43744.79	166066.82	196158.91	8533.25	11584.67	35303.90	3136.90	29876.45
									L					
	Rip Rap										4			
	(<u>a</u>)							:						
WF-31 - WF-39	3064.00													
													•	
WF-45 - WF-52	1799.00													
WF-126+39 - WF-132	1542.00												-	
WF-142 - WF-146	1194.00													
Total	7599.00													

												Sheet:	
CX LUBS X	DISTANCE		LAND EXCAVATION		RIVE	RIVER EXCAVATION	NC	E	EMBANKMENT			EARTHFILL	
ASECT NO.	(W)	AREA (M²)	VOLUME (M)	ACVOL (M²)	AREA (M²)	VOLUME	AC.VOL	AREA	VOLUME	AC.VOL	AREA (M²)	VOLUME	AC.VOL
BP OF CONSRIUCTION												 	
WF \$ -9	210.000		0000	000'0	106.39	22341.900	22341.900		0000	0.000		0000	0000
WF ø -8	13,700		0.000	0.000	62'901	1460.283	23802.183		0.000	0.000		0.000	0.000
WF 4 -7	49.910		0000	0.000	111.59	5449,673	29251.856		0.000	0.000		0.000	0.000
WF ¢ −5	47.970		0000	0.000	111.12	5341.699	34593.555		0000	0.000		0,000	0.000
WF \$ -5	54.050		000'0	0.000	117.50	6178.456	40772.011		0.000	0000		000.0	0000
WF \$ -4	47.960		0000	0000	124.29	5798.124	46570.135		0.000	0000		0,000	0.000
WF φ -3	50.020		0.000	0000	122.75	6178.470	52748.605		0.000	0000		0.000	0.000
WF ¢ −2.	49.990		0.000	0.000	124,32	6175.515	58924.120		0000	0000		0.000	0000
WF & -1	20.010		0000	0.000	126.75	6278.005	65202.125		000'0	0000		0.000	0.000
WF - 0	49.990		0.000	0000	111.33	5950.810	71152.935		000'0	0.000		0.000	0000
WF - 1	46.989		0000	0000	82.68	4675.640	75828.575		0.000	0000		0000	0000
WF - 2	46.044		0000	0.000	70.93	3651.519	79480.095		0.000	0000		0.000	0000
WF - 3	51.877		000.0	0.000	63.13	3477.315	82957.410		0.000	0.000		0.000	0.000
WF - 4	52.949		0000	0.000	30.68	2483.573	85440.983		0.000	0000		0.000	0000
WF - 5	60.543		0000	0000	32.39	1909.224	87350.206		0.000	0000		0.000	0.000
WF - 6	50.937		0.000	0:000	32.64	1656.217	89006.423		0.000	0000	1.33	33.873	33.873
WF - 7	40.717		0.000	0.000	35.20	1381.121	90387.544		0000	0000	1.49	57.411	91.284
WF - 8	51.884		0.000	0.000	10.69	1190.478	91578.022		0.000	0.000	1.70	82.755	174.039
WF - 9	46.387		0.000	0000	8.77	451.346	92029.368		0.000	0000	0.00	39.429	213.468
WF - 10	50.444		0.000	0.000	7.36	406.831	92436.198	0.34	8.575	8.575	0.00	0.000	213.468
WF - 11	47.408		0.000	0000	7.68	356.508	92792.707	1.88	52.623	61.198	00.0	0.000	213.468
WF - 12	49.909		0.000	0.000	18.85	662.043	93454.749	7.93	244.804	306,002	00.0	0000	213.468
WF - 13	\$1.527	6.44	165.917	165.917	29.94	1257.001	94711.751	00.0	204.305	\$10.307	00.00	0.000	213.468
WF - 14	44.317	5.65	267.896	433.813	39.13	1530.488	96242.238	0.00	0.000	510.307	3.41	75.560	289.028
WF - 15	\$4,469	12.71	500.107	933.920	76.66	3153.483	99395.721	0.00	0.000	\$10.307	3.00	174.573	463.602
NRR BRIDGE													
										2			
				1									
								-		-			
									-				
								 					
											1		
					-								
	•		-	•	-	<u>-</u>	-	-	-	-		_	

WF-15 CATALLY AMEAN (LAY) AME		DISTANCE	LAN	LAIND EXCAVALIUN	Ž Š	Rev	KIVER EXCAVALION		ā	CIVIDAMINICIAL			LAKINELL	
12.71 0.000	sect no.	æ	AREA (M²)	VOLUME (M ²)	AC.VOL	AREA (M²)	VOLUME (M ²)	AC.VOL	AREA (M²)	VOLUME	ACVOL	AREA	VOLUME	ACVOL
\$5.50 \$1.1 \$99.539 \$6.90 \$1.00 <t< td=""><td>ure 14</td><td></td><td>12.21</td><td>000</td><td>000</td><td>76.66</td><td>000 6</td><td>000.0</td><td>000</td><td>000</td><td>980</td><td></td><td>000</td><td>900</td></t<>	ure 14		12.21	000	000	76.66	000 6	000.0	000	000	980		000	900
46 156 COO COLOR	WF 16	\$\$ 962	8.71	500 353	500 353	68.80	4070 116	4070 116	27.0	77 507	77 507	20.5	243.435	243 435
6.1.231 0.00 80.0362 79.01 4.00.01 8.00.056 7.00.01 8.00.056 7.00.01 7.00.00 7	WF- 17	46.156	00.0	201.009	800.362	84 36	3534.626	7604 743	2 88	130 391	207 898	08.0	357 700	601 144
46,120 6,000 80,000 140,000 160,200 16	WF . 18	50.231	00'0	0000	800.362	79.01	4103.119	11707.862	380	147.679	355.577	14.02	598 251	1199 395
46,520 24,520 24,520 24,520 24,520 24,520 24,520 24,520 24,520 24,520 24,520 24,520 24,520 24,520 24,520 24,520 24,520 24,520 24,520 26,520 24,520 26,520<	WF- 19	61.180	00'0	0000	800.362	106.75	5682.398	17390.260	3.14	187.823	\$43.400	3.43	533.796	1733.190
92.00 19.00 <th< td=""><td>WF - 20</td><td>46.620</td><td>24.22</td><td>564.568</td><td>1364.931</td><td>84.99</td><td>4469,459</td><td>21859.720</td><td>3.25</td><td>148.951</td><td>692,351</td><td>9.5</td><td>197,436</td><td>1930.626</td></th<>	WF - 20	46.620	24.22	564.568	1364.931	84.99	4469,459	21859.720	3.25	148.951	692,351	9.5	197,436	1930.626
51364 19.57 99.889 14.52 39.72.04 33.7 17.334 10.215 GGG 6.7 37.00 4.6040 15.84 99.880 440.08 440.02.68 33.7 17.334 10.215 GGG 6.7 37.00 4.6040 15.88 7.44.612 31.45.11 2.0 2.26.7.13 2.86.2.148 3.5 10.215 GGG 6.7 37.00 4.6040 15.88 7.44.610 2.0 2.20.2.22 2.20.2.22 3.5 10.00 13.40.00 2.2 2.2 2.2 3.5 10.00 13.40.00 2.2 2.2 2.2 3.5 10.00 13.40.00 2.2 2.2 2.2 3.5 10.00 13.2 3.5 <th< td=""><td>WF-21</td><td>52:051</td><td>19.05</td><td>1126.123</td><td>2491.054</td><td>84.83</td><td>4419,650</td><td>26279.370</td><td>3.38</td><td>172.549</td><td>864.900</td><td>7.01</td><td>313.607</td><td>2244 233</td></th<>	WF-21	52:051	19.05	1126.123	2491.054	84.83	4419,650	26279.370	3.38	172.549	864.900	7.01	313.607	2244 233
46 OPT 16 AP 918 ROB 4400 RSP 61 KG 370 TIA 335 TIA 177 SIA 319 TIA 326 TIA 441 TIA 169 ROB 1384 GB 477 TIA 460 TIA 441 TIA 168 TIA 441 TIA 168 TIA 441 TIA 168 TIA 441 TIA 168 TIA 168 TIA 252 TIA 222 ZIA 350 TIA 350 TIA 350 TIA 360 TIA 36	WF - 22	51.364	19.57	991.839	3482.893	74.53	4092.684	30372.054	3.37	173.354	1038,253	7.93	383.689	2627.922
44.175 18.89 768.200 18.466 4.47 2.60 18.41 4.41 2.20 27.22.22.3 36.20 18.46 4.47 2.40 2.20	WF - 23	50:972	16.45	918.006	4400.899	61.63	3470.174	33842.227	3.59	177.383	1215.636	199	372.096	3000.018
44.17 18.89 766.20 99.31.14 2.0 2.249.18 3.86.22.48 3.86.21.86 158.20 7.25.22 4.0 2.25.22 3.86.22.48 3.86.21.86 158.20 2.0 2.249.18 3.86 16.20 19.95.31 1.75.22 4.0 2.25.22 4.0 2.0	WF- 24	46.049	15.89	744.612	5145.511	49.01	2547,431	36389.658	3.75	169.000	1384.636	4.47	256.493	3256.511
49.7(6) 16.12 87.10.066 6784.780 46.76 24.92.180 41001.673 3.95.31 174.89 176.89 177.889 176.89 177.889 176.89 176.89 178.41 276.74 26.75 24.92.80 3.97 189.96.97 24.99.44 2.97 2.99.96 25.30 210.21.51 4100.875 3.97 189.96.97 24.97.41 0.28 17.10 26.20.20 25.20 20.20	WF - 25	44.175	68'81	768.203	5913.714	52.08	2232.825	38622.484	3.86	168.086	1552:722	4.96	208.285	3464.796
53.816 10.18 707.640 7492.461 6.2.02 240.08.774 3.5.1 10.18 10.18 10.18 10.18 10.18 10.18 10.18 10.18 10.14	WF- 26	49.761	16.12	871.066	6784.780	46.76	2459.189	41081.672	3.99	195.312	1748 033	2.22	178.642	3643,438
53.39 7.61 474.390 7867.406 5.50 3197.10,0875 3.97 199.697 2.495.41 0.28 3.497.41 52.31 6.33 270.971 8874.238 2.20 2.60.936 5.488.835 4.09 125.64 2.00 1.733 5.8.71 6.33 270.971 88.42.236 5.20.93 5.248.835 4.00 1.20.04 1.50.04 1.30.04 5.8.72 8.70.73 1.10 2.00 1.10 2.00 1.10 3.00 1.10 3.00 1.10 3.00 1.10 3.00 1.10 3.00 1.10 3.00 1.10 3.00 1.10 3.00 1.10 3.00 1.10 3.00 1.10 3.00 1.10 3.00 1.10 3.00	WF - 27	53.816	10.18	707.680	7492.461	62.02	2927.052	44008.724	3.51	201.810	1949 843	1.03	87.451	3730.889
52.88 4 (10) 304.837 88.72.267 4.84 2718.050 4988.925 0.05 1279.645 0.00 7.33 5.23.11 8.34 270.971 8.43.72 4.20.73 4.20.73 2.40.778 0.00 7.33 5.23.11 8.34 407.827 6.13.93 6.20.270 6.13.80 1.00 7.00 0.00 7.33 5.28.02 1.48.02 1.48 407.827 6.14.00 7.10 3.43.718 3.00 0.00 0.00 0.00 5.28.02 1.48 407.827 6.10 7.10 3.43.431 5.90.835 2.90 1.68.30 2.00.904 0.00 0.00 4.50.06 1.28 4.70 1.20 1.10	WF-28	53.395	7.64	474,949	7967.409	55.30	3132.151	47140.875	3.97	169.661	2149.541	0.28	34.974	3765.863
52311 633 270,971 8844,228 52,07 248,856 470 190,778 2409,96 0.50 13,778 54,872 634,872 834,672 61,38 512,614 5560,475 3.60 269,009 0.00	WF- 29	52.381	4.03	304.857	8272.267	48.48	2718.050	49858.925	86.0	129.643	2279.184	00.0	7.333	3773.196
54.872 8.36 40.0033 89.46,273 61.38 311.5.614 5500,475 3.60 200,0662 209,0662 201,0024 0.00 13.718 22.889 1.686 670,104 101,4203 77.44 328,002,006 2.29 10.85.60 278,138 0.00 0.00 22.889 1.448 670,104 101,4203 77.44 328,26.66 6256,027 2.71 148,883 236,28.60 1.175 310,723 45.006 1.2.39 1.2.58 1.0.49.04 7.71 1.0.49.20 1.175,81 1.0.49.20 1.175,81 1.0.49.20 1.175,81 1.0.49.20 1.175,81 1.0.49.20 1.175,81 1.0.49.20 1.175,81 1.0.49.20 1.175,81 1.0.49.20 1.175,81 1.0.49.20 1.175,81 1.0.49.20 1.175,81 1.0.49.20 1.175,81 1.0.49.20 1.175,81 1.0.49.20 1.175,81 1.175,81 1.175,81 1.175,81 1.175,81 1.175,81 1.175,81 1.175,81 1.175,81 1.175,81 1.111.44,82 1.175,81 </td <td>WF-30</td> <td>52.311</td> <td>6.33</td> <td>270.971</td> <td>8543,238</td> <td>52.07</td> <td>2629.936</td> <td>52488.861</td> <td>4.02</td> <td>130.778</td> <td>2409.961</td> <td>0.50</td> <td>13.078</td> <td>3786.274</td>	WF-30	52.311	6.33	270.971	8543,238	52.07	2629.936	52488.861	4.02	130.778	2409.961	0.50	13.078	3786.274
51.803 10.86 497.827 9444099 71.10 331.431 \$5023.206 2.09 168.369 2.09 11.00 30.0020 11.73 11.548.883 2.09 11.00 30.0020 11.73 11.00 0.0	WF-31	54.872	8.36	403.035	8946.273	61.38	3112.614	55601.475	3.60	209.062	2619.024	00:0	13.718	3799.992
2.888 14.48 670.104 10114.203 77.44 3900.806 6796.972 2.73 14.8883 11.75 310.723 310.7	WF-32	51.803	10.86	497.827	9444.099	71.10	3431,431	59032.906	2.90	168.360	2787.383	0.00	0.000	3799.992
53 628 13.55 751.596 10865.799 86.13 4385.966 67346.5381 1.24 111.546 3047.812 155.00 744.508 4.904 7.79 17.79 17.912 11.344.925 86.34 3902.56 735.33 2.22 8.415 31.20.07 18.08 744.508 4.904 7.79 17.70 17.70 17.87.31 86.34 3902.56 75.35.00 3.67 14.982 3.265.980 14.08 3.66.166 74.53.58 74.53.50 14.982 3.66.166 74.53.50 14.50.88 46.116 72.70 14.982 3.66.98 74.53.50 3.67 17.83 34.88.37 4.15.66 4.15.66 4.15.66 4.15.66 4.15.66 4.15.66 4.15.66 4.15.66 4.15.66 4.15.67 3.00.53 3.25.10 8.10.88 3.27 1.16.92 3.66.88 3.22.10 8.10.88 3.27 1.16.92 3.26.88 4.15.27 3.00.88 4.15.71 3.00.88 4.15.71 3.00.88 4.15.71 3.00.88 <	WF - 33	52.889	14.48	670.104	10114.203	77.44	3928.066	62960.972	2.73	148.883	2936.266	11.75	310.723	4110.715
44,904 779 479,126 11344,925 87,97 3908,839 71255,831 2.22 84,199 132,007 18,08 744,508 45,009 15,33 45,23,94 11798,319 76,89 3939,253,67 751,318 23,20 11,183 3438,824 12,65 14,09 724,535 49,307 10,06 12,33 45,32,94 1178,319 76,89 40,805,18 82699,789 2.79 11,183 3438,824 12,65 14,00 724,636 49,114 11,104 773,815 13,005,82 2246,117 90,85,82 324,81,72 374,82 326,62,90 0.00 116,41 49,114 11,104 739,166 13311,328 46,83 225,016 92,446,83 324,61,14 374,922 0.00 116,41 52,485 13,70 80,386 46,83 226,517 90,24,83 3.71 170,83 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	WF - 34	53.628	13.55	751.596	10865.799	86.13	4385.966	67346.938	1.43	111.546	3047.812	15.08	719.420	4830.134
45.069 12.33 453.394 11708.319 86.84 3999.25.6 75195.087 3.67 134.982 326.56.989 14.00 724.05.5 49.307 19.06 77.3873 12.72.193 6.8.84 3999.25.6 75.91.66 11.885 3.38.376 14.00 77.3873 12.885 664.165 49.115 20.00 840.486 14.15.1844 46.74 30.08.581 870.83.70 3.26 16.527 3754.902 0.00 111.641 40.12 46.02 16.09 85.1732 15003.576 20.50 2250.101 870.83.71 3.26 16.527 3754.902 0.00 0.000 50.35 15.00 80.33.2 15.00 20.00 2256.517 2256.517 3754.00 3.26 16.527 3754.00 0.00 0.000 50.35 15.00 40.00 40.00 40.00 40.00 40.00 0.000 0.000 50.34 11.25 11.25 25.00 41.55 22.50.117 22.50.117	WF-35	44.904	7.79	479.126	11344.925	87.97	3908.893	71255.831	2.32	84.195	3132.007	18.08	744.508	5574.643
49307 19 06 773 873 12572.19 7.6.89 4036.518 7521.604 3.30 171.835 3438.824 1.2.85 664.165 49.114 11.04 773.616 1331.328 64.34 3468.185 826.92789 2.79 140.522 3538.376 4.12 16.806 46.052 2.0.08 840.486 1451.18.44 46.77 3008.81 85708.371 3.24 151.972 3506.814 0.00 0.00 46.052 16.59 851.732 15003.576 45.85 2250.101 8798.8471 3.24 151.972 3506.814 0.00 0.00 50.248 13.70 805.382 1580.283 45.85 2256.517 90234.298 3.27 17.839 0.00 0.00 50.356 13.70 805.382 1580.250.58 3.257.71 90234.252 3.24 15.77 3.00 0.00 0.00 50.356 11.20 630.438 1780.229 9938.221 3.24 15.224 0.00 0.00	WF - 36	45,069	12.33	453.394	11798.319	86.84	3939.256	75195.087	3.67	134.982	3266.989	14.09	724.935	6299.578
49.114 11.0d 779.166 13311.358 64.34 3468.185 82699.789 2.79 149.522 3588.376 4.12 416.806 54.115 20.00 81.004 4.01.1844 4.67 306.81 82708.370 3.36 16.527 374.902 0.00 111.641 4.60.2 8.00.3 1.00.35 6.02 2.20.10 30.248 3.24 115.97 30.68.14 0.00 0.000 2.485 1.370 805.382 1.808.538 45.46 2.250.101 97.244 1.15.70 425.1283 0.00 0.000 2.485 1.370 805.382 1.808.528 45.46 2.327.51 92877.739 3.24 173.570 425.1283 0.00 0.000 5.038 1.370 1.2728.800 41.36 2.107.602 2.408.2348 3.24 173.70 425.10 0.00 0.000 2.038 1.370 1.370 2.271 4.281.224 0.00 0.000 0.000 2.038 1.17.870	WF-37	49.307	19.06	773.873	12572.193	76.89	4036.518	79231.604	3.30	171.835	3438.824	12.85	664.165	6963.743
54,155 20,00 840,486 14151,844 46,77 3008,581 85708,370 336 166,527 3754,902 0.00 111,641 46,022 16,99 881,372 150,035,78 50,57 2220,101 8798,8471 3,24 151,972 376,884 0.00 0,000 50,475 16,59 881,372 16,522,683 45,46 2252,751 92524,988 3.24 173,570 4251,223 0,00 0,000 50,475 15,48 743,725 16552,683 45,46 232,773 256,871 417,570 471,771 0,00 0,000 50,386 11,20 650,488 17890,259 28,38 1770,456 2,60 417,570 417,570 415,224 0,00 0,00 0,00 50,386 11,20 650,488 17890,259 28,38 1770,450 29,488,348 30,50 417,524 0,00 0,00 0,00 50,038 11,20 650,488 177,571 38881,27 383,40 37,27	WF - 38	49.114	11.9	739.166	13311.358	64.34	3468.185	82699.789	2.79	149.552	3588.376	4.12	416.806	7380,549
46.024 16.99 851.732 15093.576 50.94 2250.101 87958.471 3.24 151.972 3906.874 0.00 0.000 52.485 13.70 865.382 15808.538 46.85 2566.517 90524.988 3.27 170.839 4077.713 0.00 0.000 50.975 15.48 77.171 17258.806 41.96 2107.609 9958.5348 3.54 417.579 0.00 0.000 48.218 13.85 70.717 17258.806 41.96 2107.609 9958.53.2 2.60 147.484 4562.708 0.00 0.000 50.336 11.20 630.488 1770.317 96755.665 2.60 147.484 4562.708 0.00 0.000 50.236 11.20 630.488 1770.317 96755.665 2.60 147.484 4562.708 0.00 0.000 50.236 11.20 630.488 1770.317 96755.665 2.60 147.484 4562.708 0.00 0.000 51.048	WF-39	54:155	20.00	840.486	14151.844	46.77	3008.581	85708.370	3.36	166.527	3754.902	00:0	111.641	7492.189
52.485 13.70 890.382 15808.958 46.85 2566.517 90524.988 3.27 170.839 4077.713 0.00 0.000 50.975 15.48 743.725 16552.683 45.46 232.751 92877.739 3.54 173.570 4251.283 0.00 0.000 48.218 11.20 16504.85 177529.800 41.96 2107.609 94985.568 3.26 147.84 4562.708 0.00 0.000 50.336 11.20 620.48 17890.259 32.86 7.66 147.484 4562.497 0.00 0.000 50.348 52.048 3.26 177.484 456.2497 0.32 6.827 1382.292 9834.058 0.89 90.789 4653.497 0.38 9.82 51.048 9.77 475.70 18888.127 30.02 1387.229 99938.250 1.89 70.701 475.419 0.00 0.00 51.302 9.73 488.73 1.85 1.207.205 99938.250 1.89 7	WF-40	46.052	16.99	851.732	15003.576	50.95	2250.101	87958.471	3.24	151.972	3906.874	00.0	0.000	7492.189
50.975 15.48 743.725 1652.683 45.46 2352.751 92877.739 3.54 173.570 4251.283 0.00 0.000 48.218 13.85 707.117 17259.800 41.96 2107.609 94985.348 3.26 163.941 4415.224 0.00 0.000 50.336 11.20 65.048 17890.259 28.38 177.60 147.484 4562.708 0.00 0.000 50.2028 8.87 475.07 18412.360 32.6 1583.293 98340.938 0.00 4553.40 0.00 0.00 0.000 0.	WF-41	52.485	13.70	805.382	15808.958	46.85	2566.517	90524.988	3.27	170.839	4077.713	00.0	0.000	7492.189
48.218 13.85 707.117 17259,800 41.96 2107.609 94985,348 3.26 163.941 4415,224 0.00 0.000 50.336 11.20 630.458 1780,229 28.38 170.317 96755,665 2.60 147.484 455.708 0.00 0.000 50.336 11.20 630.458 18.88 170.31 1888.8127 0.00 0.000 2.50 147.484 4552.708 0.00 0.000 51.048 9.71 475.71 1888.8127 3.2.50 1883.407 0.00 0.00 2.577 4724.19 0.28.52 1.00 0.00 2.5.77 483.71 1.00 0.00 2.5.577 483.71 1.00 0.00 4.55.82 1.00 0.00 2.5.77 483.1719 7.74 365.180 2.22.01 1.00 0.00 0.00 483.1719 0.00 0.00 4.00 0.00 4.00 0.00 0.00 4.00 0.00 0.00 4.00 0.00 0.00 0.00	WF - 42	50:975	15.48	743.725	16552.683	45.46	2352.751	92877.739	3.54	173.570	4251.283	00.0	0.000	7492.189
50.336 11.20 630.438 17890.259 28.38 1770.317 96755.665 2.60 147.484 4562.708 0.00 0.000 0.000 52.028 8.87 522.101 184412.360 32.56 1855.293 98340.958 0.89 90.789 4653.497 0.08 9.885 47.024 9.77 479.206 184812.360 1397.322 98340.958 0.89 90.789 4653.497 0.38 9.885 47.048 7.048 7.77 419.206 18881.27 2.22.101 1.88 7.79 4799.149 7.79 2.22.910 2.23.201 51.048 9.77 450.945 19758.278 28.36 1401.32.10 0.00 32.577 4831.719 7.74 365.180 51.470 9.21 487.421 20245.699 24.86 156.098 10.56 4831.719 7.74 365.180 48.45 6.22 345.997 2103.3041 16.92 9.00 0.54 13.175 4844.893 10.28	WF - 43	48.218	13.85	707.117	17259.800	41.96	2107.609	94985.348	3.26	163.941	4415,224	00.0	0.000	7492.189
52.028 8.87 522.101 18412.360 32.56 1385.293 98340.958 0.689 90.789 4653.497 0.38 9.885 51.048 9.77 475.707 18888.127 30.02 1597.292 99938.250 1.88 70.701 4724.199 2.20 65.852 47.783 7.85 419.206 19307.333 28.57 1933.249 1.27 74.943 4799.142 7.59 2.22.919 51.302 9.73 450.945 1975.8278 28.36 1406.311 102792.505 0.00 32.577 4881.719 7.74 365.180 48.795 8.06 40.945 195.20 166.204 105.202.010 0.00 4881.719 7.74 365.180 48.795 8.06 41.345 6.26 484.459 10.652 949.796 106262.016 0.16 10.00 488.185 3.72 339.213 48.459 0.56 1.77.220 21190.201 10.16 668.402 10.616 10.00 15.796	WF - 44	50.336	11.20	630.458	17890.259	28.38	1770.317	96755.665	2.60	147.484	4562.708	00.0	0.000	7492.189
51.048 9.77 475.707 18888.127 30.02 1597.252 99938.250 1.88 70.701 4724.199 2.20 65.852 47.583 7.85 419.206 19307.333 28.57 1393.244 101332.194 1.27 74.943 4799.142 7.59 232.919 51.302 9.73 450.945 1973.278 28.36 1403.311 102792.505 0.00 32.577 4831.719 6.45 360.140 51.302 9.21 487.421 20245.699 24.86 1369.617 104162.122 0.50 0.00 4831.719 7.74 365.180 48.795 6.22 487.425 104162.122 0.54 0.54 484.89 7.74 365.180 48.459 6.22 421.345 106.72 949.796 106220.106 0.16 484.189 7.74 365.180 48.459 0.50 37.806 21190.201 10.16 68.402 106230.241 0.00 15.796 4880.855 0.01 10.687	WF-45	52.028	8.87	522.101	18412.360	32.56	1585.293	98340.958	0.89	682.06	4653,497	0.38	9.885	7502.075
47.583 7.85 419.206 19307.333 28.57 1393.944 101332.194 1.27 74.943 4799.142 7.59 232.919 51.302 9.73 450.945 19758.278 28.36 1460.311 102792.505 0.00 32.577 4831.719 6.45 360.140 51.470 9.21 487.421 20245.699 24.86 1369.617 104162.122 0.00 0.000 4831.719 7.74 365.180 48.795 8.06 421.345 20267.044 22.28 1150.098 105312.220 0.54 13.175 4844.893 10.28 439.643 49.365 0.5 0.5 0.5 0.5 0.5 484.489 3.72 339.213 49.365 0.5 0.5 0.5 0.5 0.5 484.489 3.72 339.213 49.365 0.5 0.5 0.5 0.5 0.6 488.189 3.72 10.6875 51.789 0.5 0.5 0.5 0.6 0.5	WF- 46	51.048	6.77	475.767	18888.127	30.02	1597.292	99938.250	1.88	107.01	4724,199	2.20	65.852	7567.927
51.302 9.73 450.945 19738.278 28.36 1460.311 102792.565 0.00 32.577 4831.719 6.45 360.140 51.470 9.21 487.421 20245.659 24.86 1369.617 104162.122 0.00 0.00 4831.719 7.74 365.180 48.795 8.06 421.345 20667.044 22.28 1150.098 105312.220 0.54 13.175 4844.893 10.28 439.643 49.365 0.56 17.72 21190.3041 16.52 949.796 106202.016 0.16 15.006 4861.854 3.72 339.213 49.365 0.56 17.74 486.859 0.51 106.875 0.51 106.875 51.789 0.50 10.730.221 10.730.222 3.02 17.74 35.723 0.50 10.6875 0.51 10.875 52.231 0.00 0.00 13.02 12.41.125 15.8 10.7730.222 3.02 78.869 4975.54 0.50 30.012	WF-47	47.583	7.85	419.206	19307.333	28.57	1393.944	101332.194	1.27	74.943	4799,142	7.59	232.919	7800.845
\$1,470 9.21 487,421 20245.659 24.86 1369.617 104162.122 0.00 0.000 4831.719 7.74 365.180 48.795 8.06 421.345 20667.044 22.28 1150.088 105512.220 0.54 13.175 4844.833 10.28 439.643 48.795 6.22 345.997 21013.041 16.92 949.796 105626.2016 0.16 16.961 4861.854 3.72 339.213 48.456 0.96 1.778 0.96 1.778 0.06 15.796 0.61 19.006 4886.855 0.61 106.875 52.23 0.00 13.08 21228.045 107338.227 0.00 15.796 4896.655 0.12 18.903 48.406 0.00 0.000 21241.125 15.81 107720.282 3.02 78.869 4975.524 0.34 12.013 48.406 0.00 0.000 21241.125 15.11 107919.389 3.98 169.421 0.90 30.012 30	WF-48	51.302	9.73	450.945	19758.278	28.36	1460.311	102792.505	00.0	32.577	4831.719	6.45	360,140	8160.985
48.795 8.06 421.345 20667.044 22.28 1150.098 105312.220 0.54 13.175 4844.893 10.28 4396.43 48.459 6.22 345.997 21013.041 16.92 949.796 106262.016 0.16 16.961 4861.854 3.72 339.213 48.459 6.26 177.200 211190.261 10.16 668.402 106390.419 0.61 19.006 4880.859 0.61 10.6875 1.789 0.00 13.780 212180.267 5.59 407.836 107398.287 0.00 15.796 4896.655 0.12 18.903 52.231 0.00 13.058 21241.125 15.11 399.107 107919.389 3.02 78.869 4975.54 0.50 30.012	WF- 49	51.470	9.21	487.421	20245.699	24.86	1369.617	104162.122	00.0	0000	4831.719	7.74	365.180	8526.165
48.459 6.22 345.997 21013.041 16.92 949.796 106262.016 0.16 16.961.854 3.72 339.213 49.365 0.96 177.220 21190.261 10.16 668.402 106930.419 0.61 19.006 4880.859 0.61 106.875 51.789 0.50 37.806 21228.067 5.59 407.838 107338.257 0.00 15.796 4896.655 0.12 18.003 52.231 0.00 13.058 21241.125 13.8 182.022 107520.282 3.02 78.869 4975.524 0.34 12.013 48.406 0.00 0.000 21241.125 15.11 399.107 107919.389 3.98 169.421 5144.945 0.90 30.012	WF- 50	48.795	8.06	421.345	20667.044	22.28	1150.098	105312.220	0.54	13.175	4844.893	10.28	439,643	8965.808
49.365 0.96 177.220 21190.261 10.16 668.402 106930.419 0.61 19.006 4880.859 0.61 106.875 51.789 0.50 37.806 21228.067 5.59 407.838 107520.282 3.02 15.796 4896.655 0.12 18.903 52.231 0.00 13.058 21241.125 13.8 182.025 107520.282 3.02 78.869 4975.524 0.34 12.013 48.406 0.00 0.000 21241.125 15.11 399.107 107919.389 3.98 169.421 514.945 0.90 30.012	WF-51	48.459	6.22	345.997	21013.041	16.92	967.676	106262.016	0.16	16.961	4861.854	3.72	339.213	9305.021
51.789 0.50 37.806 21228.067 5.59 407.838 107338.257 0.00 15.796 4896.655 0.12 18.903 52.231 0.00 13.058 21241.125 1.38 182.025 107520.282 3.02 78.869 4975.524 0.34 12.013 48.406 0.00 21241.125 15.11 399.107 107919.389 3.98 169.421 514.945 0.90 30.012	WF - 52	49.365	0.96	177.220	21190,261	10 16	668,402	106930.419	19:0	900.61	4880.859	190	106.875	9411.896
- 54 52.231 0.00 13.058 21241.125 1.38 182.025 107520.282 3.02 78.869 4975.524 0.34 12.013 - 55 48.406 0.00 0.000 21241.125 15.11 399.107 107919.389 3.98 169.421 5144.945 0.50 30.012	WF - 53	51.789	0.50	37.806	21228.067	5.59	407.838	107338.257	0.00	15.796	4896.655	0.12	18.903	9430.799
55 48,406 0.000 0.000 21241,125 15.11 399,107 107919,389 3.98 169,421 5144,945 0.50 30,012	WF - 54	52.231	0.00	13.058	21241.125	1.38	182.025	107520.282	3.02	78.869	4975 524	0.34	12.013	9442.812
	11/2 66	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	000	000	30.	11 21		20000	4	,				

		IAI	LAND EXCAVATION	NO	RIVI	RIVER EXCAVATION	NO	E E	EMBANKMENT			EARTHFILL	
X-SECT NO.	DISTANCE	7.00	TANT TOW	10/2/17	ADEA	WOT TOW	ACVOL	ABEA	VOLUME	AC VOL	ABEA	VOLUME	AC VOT.
	(M)	(N ²)	(Nr)	(M,	(M²)	(M)	(M)	(M²)	(M²)	(M)	(M ²)	(M)	(M²)
WF - 57	50.228	3.04	129.337	21423,494	7.35	374.952	108864.621	2.14	130.844	5452.980	0.67	77.351	9633.367
WF - 58	51.865	4.93	206.682	21630.176	4.52	307.819	109172.439	2.42	118.252	5571.232	1.16	47,456	9680.824
WF - 59	47.230		242.290	21872.466	3.07	179.238	109351.677	0.61		5642.786	0.00	27.393	9708.217
WF - 60	50.768	7.4	239.778	750 05666	4.10	720 152	100353.099	2.37	167 104	\$007.500	0.00	26.970	758 0320
W 67	48 030	1,60	184 011	22563 887	2.05	151 222	109005 274	3.20	159 296	6059,6669	06.0	37.683	9798 520
WF - 63	47.656	2.32	94 359	22658 246	0.75	66.957	109972.230	2.64	139.156	6198.824	99.0	37.172	9835.692
WF - 64	51.814	0,11	62.954	22721.200	0.00	19.430	109991.660	3.02	146.711	6345.536	0.00	17.099	9852.790
Railway Br / WF - 65	49.558	2.16	56.248	22777.448	3.04	75.328	110066.989	0.36	83.827	6429.363	0.00	0000	9852.790
WF - 66	26.587	21.06	308.675	23086.123	11.63	195.016	1	0.20	7.444	6436.807	00.00	0.000	9852.790
WF - 67	45.754	32.07	1215.455	24301.578	18.74	694.774	110956.779	0.40	13.726	6450,534	00.00	0.000	9852.790
WF - 68	44.146	40.92	1611,108	25912.686	25.38	973.861	111930.640	00.00	8.829	6459.363	0.00	0.000	9852.790
WF - 69	53.201	53.37	2508.161	28420.847	29.31	1454.781	113385.421	0.00	0.000	6459.363	00.00	0.000	9852.790
WF - 70	53.074	55.92	2900.229	31321.076	28.51	1534.369	114919.790	0.40		6469.978	00.0	0.000	9852.790
WF - 71	54.141	56.66	3047.597	34368.673	25.63	1465.597	116385.387	00.00		6480.806	00.0	0000	9852.790
WF- 72	55.980	28.22	2375.791	36744.464	15.24	1143.951	117529.338	0.00		6480.806	0.00	0.000	9852.790
National Br / WF- 72+22	29.366	14.79	631.516	37375,980	18.01	488.210	118017.548	0.00	0.000	6480.806	00.0	0.000	9852.790
National Br / WF- 72+29	11:000	14.53	161.260	37537.240	17.74	196.625	118214.173	0.00	0.000	6480.806	0.00	0.000	9852.790
National Br / WF- 73	2.000	17.42	31.950	37569.190	17.73	35.470	118249.643	0.00	0.000	6480.806	0.00	0.000	9852.790
National Br / WF- 73+9	11.137	16.89	191.055	37760.245	17.04	193.617	118443.260	0.00	0.000	6480.806	0.00	0.000	9852.790
WF- 74	45.513	9.19	593.490	38353.735	9. 2	470.604	118913.864	00:0	0.000	6480.806	0.00	0.000	9852.790
WF- 75	49.107	18.67	684.061	39037.795	8.43	296.361	119210.225	0.00	0.000	6480.806	0.00	0.000	9852.790
WF- 76	49.940	35.58	1354.623	40392.418	14.45	571.314	119781.539	1.60		6520.758	00.00	0.000	9852.790
WF- 77	52.279	37.92	1921.253	42313.671	16.28	803.267	120584.805	1.10		6591.334	00.0	0.000	9852.790
WF- 78	46.050	48.59	1991.893	44305.564	17.83	785.383	121370.188	2.87	91,409	6682.744	2.70	62.168	9914.958
WF- 79	47.348	54.11	2431.320	46736.884	15.27	783.609	122153.798	3.09		6823.841	2.29	118.133	10033.091
WF- 80	55.983	51.43	2954.223	49691.107	13.95	817.912	122971.709	1.03		6939.166	00.0	64.101	10097.192
WF- 81	50.123	41.84	2337.486	52028.593	10.97	624.533	123596.242	1.27	57.641	6996.807	00.0	0.000	10097.192
WF- 82	48.606	39.55	1978.021	54006.614	8.91	483.144	124079.385	00:00		7027.672	0.00	0.000	10097.192
WF- 83	50.561	37.74	1953.930	55960.544	9.10	455.302	124534.687	00:00		7027.672	00.0	0.000	10097.192
WF- 84	48.645	32.81	1715.952	57676.496	8.26	422 239	124956.926	0.00		7027.672	0.00	0.000	10097.192
WF- 85	54.033	34.35	1814.428	59490.924	9.25	473.059	125429.985	0.00		7027.672	0.00	0.000	10097.192
WF- 86	50.097	34.22	1717.576	61208.500	11.12	510.238	125940.223	0.00	0.000	7027.672	00.00	0.000	10097.192
WF- 87	47.756	40.59	1786.313	62994.813	11.67	\$4.180	126484,402	00:00	0.000	7027.672	00.0	0.000	10097.192
WF- 88	50.018	47.42	2201.042	65195.855	14.43	652.735	127137 137	0.00	0000	7027.672	00:0	0.00	10097.192
WF- 89	49.744	6108	2698.612	67894.467	13.54	695.670	127832.807	0.0	0000	7027.672	0.00	0.000	10097.192
WF- 90	50.295	59.46	3031.280	70925.747	10.94	615.611	128448 418	00:0	0000	7027.672	0.00	0.000	10097.192
WF-91	53.526	48 44	2887.728	73813.475	11.46	599.491	129047.909	0.00		7027.672	0.00	0.000	10097.192
WF- 92	50.493	44.41	2344.138	76157,612	8.37	500.638	129548 547	000		7027.672	00:00	0.000	10097,192
WF- 93	48.367	23.56	1643.752	77801.365	1.60	241.109	129789.657	000	00000	7027.672	0.00	0.000	10097.192
WF- 94	47.764	29.05	1256.432	79057.797	4.75	151.651	129941.307	0.00	0.000	7027.672	0.00	0.000	10097.192
Old. Sim. Br/WF- 94+23	26.866	52.13	1090.491	80148.287	14.97	264.899	130206.206		0.000	7027.672	00.0	0.000	10097.192
WF- 95	25.918	46.97	1284.237	81432.524	5.76	268.640	130474.846	0.00	0.000	7027.672	00.0	0.000	10097.192
WF- 96	46.173	16.08	2148.199	83580.723	15.63	493.820	130968.666		0.000	7027.672	0.00	0.000	10097.192
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	DISTANCE		האום באכשוניות										
X-SECT NO.		AREA	VOLUME	AC.VOL	AREA	VOLUME	AC.VOL.	AREA	VOLUME	ACVOL	AREA	VOLUME	AC:VOL
	(M)	(M²)	(M³)	(M³)	(M²)	(M)	(M)	(M^2)	(M³)	(Nr)	(M ²)	(M ²)	(M ²)
Simongan Weir / WF- 101+20	0.000	26.54			• 65.49			0.00	0.000	0000	0.00	000:0	0.000
WF- 102	34.870	5.95			52.75			00.0	0.000	0000	0.00	0.000	0.000
WF- 103	50.539	5.24			59.17			0.00	0.000	0000	0.00	0.000	0000
WF- 104	58.390	8:23			59.55			00:00	0.000	0000	00:0	0:000	0.00
WF- 105	50.623	17.00	638.609	638.609	57.90	2972:836	2972.836	00:00	0000	0000	00.00	0.000	0.000
WF- 106	46.910	3.27	475.433	1114.042		2176.859	5149.694	00.00	0000	0000	0.50	11.728	11.728
WE- 107	52.383	13.64	442.898	1556.940	51.04	2251.159	7400.854	00.0	0.000	0000	00'0	13.096	24.82
WF- 108	53.394	27.48	1097.781	2654.721	41.72	2476.414	9877.267	00.0	0000	0000	00.0	0.000	24.82
WF- 109	42.440	39.18	1414.525	4069.246		1809.642	11686.909	00.0	0000	0000	00.0	0.000	24.82
WF. 110	48.417	93.81	3219.488	7288,735		2108.318	13795.227	0.00	0000	0000	00.0	0000	24.82
WF- 111	48,237	25.78	2884.331	10173.066	38.71	1983.505	15778.733	00.0	0.000	0000	00.0	0000	24.82
WF. 112	33,216	1.99	461.204	10634,270	32.75	1186.808	16965.540	00.0	0.000	0000	1.16	19.265	44.089
WF- 113	44.094	7.21	202.832	1	51.50	1857.460	18823,000	000	000.0	0.000	00.0	25.575	69.663
WF. 114	48.018	51.69	1414.130			3437.369	22260.369	0.00	0000	0000	00.0	0000	69.663
WF- 115	46.871	74.88	2966.231	15217.464	100.16		26756.001	00.0	0.000	00000	00.0	0000	69.663
WF. 116	48.763	68.76	3502.159	18719,622	67.58	4089.753	30845.753	00.0	0.000	0000	00.0	0000	69.663
WF. 117	48.629	67.18	3305.313	22024.936	08:09	3121,496	33967,249	00:00	0.000	0.000	00.0	0000	69.663
WF. 118	46.524	71.05	3215.506				36836.849	0.00	0000	0.000	00.0	0000	69.663
WF- 119	46.856	92.47	3830,947				39825.325		0000	0.000	00.0	0000	69 69
WF. 120	48.226	20.00	3435,379				42601.937	00.0	0000	0000	00:0	0000	69.663
WF- 121	43.077	26.86	1655.449	34162.217	49 38	2143.727	44745.664	00:0	0000	0000	00'0	0000	69.663
WF- 122	39.273	89.8	697.881				46715.205	00.0	0.000	0.000	00.00	0.000	99.69
WF- 123	31.760	4.62	211.204	35071.302		£	48381.811	00:0	0.000	0.000	00:00	0000	:99:69
WF- 124	29.761	4.63	137.645	35208.946	21 49	_	49505.586		0.000	0000	00.0	0000	99.69
WF- 125	32.527	86.38	179.061	35388.008		613,134	50118.720	0.00	0.000	0.000	00.0	0000	99.69
WF- 126	49,643	19'9	323.921	35711.928	-	•	50572.953	00.00	0000	0.000	00.0	0.000	69.66
WF- 126+39.0	39,000	00.0	130.065		00.0		\$0613.708	00:0	0000	0.000	00.00	0.000	69.66
WF- 127		00.0	0.000	35841.993				0.00	0000	0.000	0.00	0.000	69.663
WF- 128	42.213	00.0	0000		16.83	599.847	51271.343	00'0	0000	0000	0.00	0.000	69.663
WF- 129	42.766	0.00	0.000	35841.993	5.41	475.558		0.00	00000	0.000		0.000	69.663
WF- 130	38.570	3.84	74.054		10.24		52048.711	0.00	0.000	0000	- 1	0.000	69.663
WF- 131	47.384	11.20	356.328		16.61	636,130	52684.841	00:00	0000	0.000	00.0	0.000	69.663
WF- 132	37.073	0.00	207.609	Ľ	8.48	465.081	53149.922	0.00	000.0	0.000	0.00	0.000	69.663
WF- 133	37.266	1.35	.25.155	Ŀ	8.22	314.171	53461.093	00:00	0000	0000	00.0	0000	69.663
WF- 134	42.892	13.28	313.755	Ŀ	14.51	487.468	53948.561	00.0	0000	0000	0.00	0000	69.663
WF- 135	68.840	38.20	1771.942	38590.835	8.71	799.232	54747.793	00.0	0000	0000	00:0	0000	69.663
WF- 136	58395	25.59	1862.509	40453,344	4.51	385.991	55133.784	00.0	0000	0000	00.0	0.000	69.663
WF- 137	64.869	22.65	1564.640	42017.984	-	364.564	55498.348	0.00	00000	0.000	00.00	0000	69.663
WF- 138	56,933	95.7	859.973	42877.957	13.32	570.753	\$6069.101	0.00	0.000	0.000	00.00	0000	69.663
WF. 139	63.828	33.18	1300.176	44178.133	,	1024,439	57093.541	00.0	0000	0.000	79.0	20.425	880.08
WF- 140	60.271	13.80	1415.766	45593.899	12.12		58024.728	1.59	47.915	47.915	12.94	109.240	499.32
WF- 141	51.611	0000	356.116	45950.015	4 40	426,307	58451.034	00.00	41.031	88.946	00.0	333.923	833.25
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AC VOI.	(M ²)	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	833.251	862.803	891.306	955.818	991.710	991.710	991.710	991.710	1007.633	1023.875	2/8/5/01	1023.675	1073 875	1023.875	1023.875	1023.875	1023.875	1023.875	1023.875	1023.875	
VOLUME	(M)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	29.552	28.503	64.512	35.892	0.000	0.000	0.000	15.922	16.242	0.000	0000	0000	0000	0000	0.000	0.000	0.000	0.000	0.000	
AREA	(M²)	00.0	00'0	0.00	0.00	00:0	00.0	00.0	00.0	00'0	0.00	00.00	00:0	0.00	0.00	0.00	0.00	00.0	0.00	0.00	0.00	00.0	1.15	0.30	2.70	00.0	0.00	00.00	80	090	000	2000	3 5	88	000	00.0	000	00.0	00:0	00.0	00.0	
AC.VOL	(M ²)	88.946	88.946	88.946	88.946	88.946	88.946	88.946	170.480	278.287	314.682	314.682	314.682	314.682	314.682	314.682	314.682	314.682	314.682	314.682	314.682	669.683	995.270	995.270	995.270	995.270	995.270	995.270	995.270	995.270	995.270	005.270	075.000	055 270	995.270	995.270	995.270	995.270	995.270	995.270	995.270	
VOLUME	(M ²)	0000	0.000	0.000	0.000	0.000	00000	0000	81.534	107.807	36.395	0.000	0.000	0.000	0.000	0.000	0000	0000	0.000	0000	0.000	355.001	325.587	0.000	0.000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0.000	000.0	0000	0000	0.000	
AREA	(M²)	00:0	00.0	0.00	0.00	0.00	00:00	00.00	2.91	2.07	00.0	00.0	00.0	00:0	0.00	0.00	00.0	00.0	00:0	00:0	00:0	12.67	00:0	00.0	00:0	0.00	0.00	00:0	00:0	000	0.00	00.0	000	000	00:0	0.00	0.00	00.0	00:0	0.00	00:0	
AC.VOI.	(M ²)	58634.850	58809.845	59088.375	59243.015	59260.505	59302.159	59474.631	59633.777	59695.040	59731.963	59786.963	59955.158	60193.926	60423.738	60590.641	60711.454	60764.954	60764.954	60764.954	60764.954	60764.954	60764.954	60941.670	61274.552	61420.648	61757.169	62202.602	62634.594	62800.981	62843.482	6203.093	63078 903	63090 778	63188,632	63679 202	64483.034	65195.284	62380.009	65560.136	65794.525	
VOLUME	(M ²)	38.186	174.995	278.530	154.640	17.490	41.654	172.473	159.145	61.264	36.922	55.000	168.195	238.769	229.811	166.903	120.813	53.500	0000	0000	0000	0000	0.000	176.716	332.882	146.096	336.521	445 433	431 992	166.387	42.501	19.01	87 200	11 875	97.855	490.570	803.832	712.250	184 725	180.127	234.389	
AREA	(M²)	1.08	5.23	19.9	1.59	0.00	3.63	3.34	2,34	0.49	19.1	2.11	5.86	4.46	4.44	2.23	2.12	00.00	00.0	00:0	00.0	00.0	000	8,99	6.49	4.50	10.21	9.97	627	000	1.57	080	0 0	000	7.63	13.74	18.85	7.05	0,45	629	3.11	
ACVOL	(M')	45981.130	46422.639	47554.403	48193.894	48203.134	48609.923	50693,947	52799,257	53498.704	53825.202	54646,213	\$6376,700	59136.653	63035.958	66315.722	68464.519	09836.560	68966.634	69148.760	69432,120	69900:037	70041.888	70147.249	70297.992	70365.789	71045.465	72418.847	74023.921	74746.258	74924.653	77201 616	20063 017	80645 162	80755.842	80953.952	80953.952	81014.452	81235.876	81449.943	81552.176	
VOLUME	(M ²)	31.115	441.509	1131.764	639.492	9.240	406.789	2084.024	2105.310	699.447	326.498	821.011	1730.487	2759.953	3899.305	3279.765	2148.797	432.040	70.074	182.127	283.360	467.917	141.850	105.362	150.743	67.797	679.676	1373.382	1605.074	722.337	178.395	1040 034	2682 296	581 250	110.680	198.110	00000	60.500	221.424	214.067	102.234	_
AREA	(M²)	0.88	15.04	33.07	28.0	00.0	35.45	48.77	26.37	5.94	12.63	42.90	39.10	80.19	70.82	60.25	17.12	00.0	2.90	3.42	13.26	3.44	2.08	3.28	3.73	1.37	28.34	33.88	26.46	0.76	5.83	14.09	46.50	000	8.63	00.0	00.0	2.20	6.79	1.22	2.88	
	(M)	70.715	55.466	47.049	37.717	22.000	22.950	49.490	56.037	43.296	35.164	29.570	42.207	46.273	51.643	50.046	55.546	50.472	48.327	57.635	33.976	\$6.038	\$1.395	39.314	43.008	26.587	45.754	44.146	53.201	53.074	24.141	30.303	53.883	25,000	25,650	45.912	49.330	55.000	49.260	53,450	49.870	
A-SECTING.		WF- 143	WF- 144	WF- 145	WF- 146	WF- 146+22	WF- 147	WF- 148	WF- 149	WF- 150	WF- 151	WF- 152	WF- 153	WF- 154	WF- 155	WF- 156	WF- 157	WF- 158	WF- 159	WF- 160	WF. 161	WF- 162	WF- 163	WF- 164	WF- 165	WF- 166	WF- 167	WF- 168	WF- 169	WF- 170	WF- 171	WF- 172	Toll Bridge / WF- 174	WF- 174+25	WF- 175	WF- 176	WF- 177	WF- 178	WF. 179	WF- 180	WF- 181	
7																									·								Toll Bride									

		E	Charles and Carbbit			Condaco			i i				
ON LANGE A	DISTANCE	CICAL	TIE WILL OF STORY			SOUDING			roprap		Line .	noe do r to Sunddure	,,
A-SECTING.		LENGTH	AREA	AC.AREA	LENGTH	AREA	AC.AREA	LENGTH	AREA	ACAREA	AREA	VOLUME	AC.VOL
	(M)	(M)	(M')	(M') I	(M)	(M')	(M²)	(M)	(M)	(NT)	(Mr)	(M ²)	(M²)
WF 6 -9		0.00	0000	0.000	1.74	0.000	0.000				00.0	0000	0.000
WF \$ ~8	13.700	0.00	0000	0.000	1.74	23.838	23.838				00.0	0000	0.000
WF 6 -7	49.910	1.60	39.928	39.928	1.74	86.843	110.681				00:0	0000	0.000
WF φ −6	47.970	1.50	74.354	114.282	1.66	81.549	192.230				0.00	0.000	0000
WF ¢ −5	54.050	2.60	110.803	225.084	1.97	98.101	290.331				00.0	0.000	0000
WF ∲ -4	47 960	2.20	115.104	340.188	1.90		383.134				0.00	0.000	0000
WF & -3	50.020	1.80	100.040	440.228	2:05	062.86	481.923				0.00	0000	0000
WF φ -2	49,990	3.00	119 976	560.204	2.21	106.479	588.402				0.00	0.000	0000
WF φ -1	50.010	2.00	125.025	685.229	2.21	110.522	698 924				00'0	0000	0.000
WF-0	49,990	2.40	109.978	795.207	3.42	140.722	839.646				00:00	00000	0000
WF-1	46.989	1.40	89.279	884.486	3.18	155.064	994.710				00:0	0000	0.000
WF-2	46.044	2.70	94.390	978.876	3.66	157.470	1152.180				00:0	0000	0000
WF-3	51.877	3.00	147.849	1126.726	3.19	619.17.1	1329.859				00'0	0.000	0000
WF - 4	52.949	0.00	79.424	1206.149	00.0	84.454	1414.312				00:0	0.000	0000
WF - S	60.543	0.00	0000	1206.149	00.0	0000	1414.312				00.0	0:000	0000
WF-6	50.937	3.43	87.357	1293.506	00.0	000.0	1414.312				0.86	21.839	21.839
WF-7	40.717	3.71	145.360	1438.866	00.0	0000	1414.312				0.93	36.340	58.179
WF-8	51.884	4.21	205.461	1644.327	00:0	0000	1414,312				1.05	51.365	18.54
WF-9	46.387	0.00	97.643	1741.971	00.0	000.0	1414312				00.0	24.411	133.955
WF - 10	50.444	3.10	78.188	1820.159	3.30	83.233	1497.545				0.78	19.547	153.503
WF-11	47.408	4.34	176.358	1996.517	4.58	186.788	1684.333				1.09	44.089	197.592
WF-12	49.909	29.6	349.613	2346.130	9.72	356.849	2041.182				2.42	87.403	284,995
WF - 13	51.527	0.00	249.133	2595.263	1.50	289.066	2330.248				00.0	62.283	347.278
WF - 14	44.317	2.00	44.317	2639.580	1.40	64.260	2394.508				0.50	11.079	358,358
WF - 14+33.5	33,469	2.00	66.938	2706.518	1.40	46.857	2441.365				05.0	16.735	375.092
WF - 14+33.5	0.000	6.80	0.000	2706.518	0	0.000	2441.365				1.70	0000	375.092
NRR BRIDGE / WF - 15	21.000	08.9	142.800	2849.318	0	0.000	2441.365				1.70	35.700	410.792
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	DISTANCE	Clear	Clearing and Grubbing	ing		SODDING			Riprap		Stri	Stripping of Top Soil	
X-SECT NO.		LENGTH	AREA	AC.AREA	LENGTH	AREA	AC.AREA	LENGTH	AREA	AC.AREA	AREA	VOLUME	AC.VOL
	(W)	(W)	(M ²)	(M,	(M)	(M²)	(M ²)	(M)	(M²)	(M ²)	(M,	(W,	(M,
WF. 15		11.80	0.000	0.000	5.76	0000	0.000			\$	1.13	0000	0.000
WF - 16	55.962	11.80	660.352	660.352	5.76	322.341	322.341				1.13	63.237	63.237
WF-17	46.156	17.30	671.570	1331.921	7.27	300.706	623.047				1.14	52.387	115.624
WF - 18	50.231	13.20	766.023	2097.944	7.11	361.161	984.208			-	1.15	57.514	173.139
WF - 19	61.180	10.70	731.101	2829.045	5.93	398.894	1383.102				1.17	70.969	244.107
WF - 20	46.620	11.50	\$17.482	3346.527	80.9	279.953	1663.055				1.18	54.779	298.886
WF-21	52.051	16.40	726.111	4072.639	6.21	319.853	1982,908				1.19	61.680	360.566
WF- 22	51.364	21.15	964.359	5036.998	6.27	320.511	2303.420				1.21	61.637	422.203
WF - 23	50.972	26.77	1221.289	6258.287	5.46	298.951	2602.371				1.22	61.931	484.134
WF - 24	46,049	26.50	1226.515	7484.802	5.44	250.967	2853.338				1.23	56.410	540.544
WF - 25	44.175	21.50	1060.200	8545.002	5.17	234.348	3087.686				1.24	54.556	595,100
WF - 26	49.761	11.60	823.545	9368.546	5.23	258.757	3346.443				1.25	61.952	657.053
WF - 27	53.816	09:6	570.450	9638.996	5.29	283.072	3629.515				1.04	61.619	718.672
WF-28	53.395	9.20	501.913	10440.909	5:35	284.061	3913.577				1.27	61.671	780.343
WF - 29	52.381	3.40	330:000	10770,909	5.41	281.810	4195.387				0.87	\$6.048	836.391
WF - 30	52.311	09.6	340.022	11110.931	5.47	284.572	4479.958				1.27	55.973	892.364
WF - 31	54.872	5.00	400.566	11511.496	5.53	301.796	4781.754	0.00	0000	0.000	1.28	69.962	962.326
WF - 32	51.803	4.50	246.064	11757.561	5:59	288.025	5069:779	7.14	184.937	184.937	1.14	62.682	1025.007
WF - 33	52.889	12.65	453.523	12211.084	5.52	293.798	5363.577	10.88	476.530	661.467	1.34	65.582	1090.590
WF - 34	53.628	12.52	674.908	12885.992	5.54	296.563	5660.140	9.14	536.816	1198.283	0.99	62.477	1153.066
WF - 35	44.904	16.61	654.027	13540.019	5.55	248.993	\$909.133	10.70	445.448	1643.731	1,38	53.211	1206.277
WF - 36	45.069	12.57	657.557	14197.576	5.56	250.358	6159.491	10.67	481.562	2125.293	1.14	56.787	1263.064
WF - 37	49.307	11.60	595.875	14793.451	5.58	274.640	6434.131	8.60	475.073	2600.366	1.36	61.634	1324.698
WF - 38	49.114	11.07	556.707	15350.158	5.59	274.302	6708.433	4.89	331.274	2931.640	1.28	64.830	1389.529
WF - 39	54.155	4.70	427.012	15777.170	5.61	303.268	7011.701	00.0	132.409	3064.049	1.21	67.423	1456.952
WF - 40	46.052		214.142	15991.312	\$.62	258.582	7270.283				1.21	55.723	1512.674
WF - 41	52.485	4.80	246.680	16237.992	5.64	295.491	7565.773				1.22	63.769	1576.444
WF - 42	50.975		247.229	16485.220	5.48	283,421	7849.194				1.23	62.444	1638.888
WF 43	48.218	1.0	236,268	16721.488	5.49	264.476	8113.670				1.24	59.549	1698.437
WF - 44	50.336		223.492	16944.980	15.5	276.848	8390.518				1.16	60.403	1758.841
WF- 45	\$2.028	4.60	223.200	17168.180	5.70	291.617	8682.135	00.0	0000	0.000	1.15	60.092	1818.933
WF - 46	51.048	7.12	299.141	17467.322	5.73	291.739	8973.874	4.21	107,456	107.456	1.08	616'95	1875.851
WF - 47	47,583	6.64	327.371	17794.693	5.73	272.651	9246.525	7.35	275.030	382.486	1.05	50.676	1926.527
WF - 48	51,302	6.32	332.437	18127.130	2.74	217.341	9463.866	6.65	359,114	741.600	00:0	26.934	1953.461
WF - 49	51.470	4.47	277.681	18404.810	2.76	141.620	9605.486	6.75	344.849	1086.449	00.0	0.000	1953,461
WF - 50	48.795	2.06	281.303	18686.114	2.78	135.162	9740.648	6.75	329.366	1415.815	0.00	0.000	1953.461
WF - 51	48.459	5.23	297.781	18983.894	2.79	134.958	9875.606	4.49	272.340	1688.155	00.0	0.000	1953,461
WF - 52	49.365	5.35	261.141	19245.035	3.52	155.747	10031.353	0.00	110.824	1798.979	0.44	10.860	1964.321
WF - 53	51.789	1.40	174.788	19419.823	3:14	172.457	10203.810				0.22	17.090	1981.411
WF. 54	52.231	7.95	244.180	19664.003	5.89	235.823	10439.633				1.43	43.091	2024.502
WF - 55	48.406	15.48	567.076	20231.079	5.87	284.627	10724.260				1.42	68.979	2093.481
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LEFT SIDE

ACVOL (M²) 2165.111 Stripping of Top Soil VOLUME (M) AREA (M²) ACAREA (M²) AREA (M²) LENGTH (M) (M²) 11031.643 11351.344 11678.353 11937.646 12218.393 13953.050 14000.728 14859.721 AC.AREA 345.879 378.298 345.506 274.056 0.000 37.222 64.056 47.678 47.083 67.404 67.404 86.355 46.463 000000 SODDING (M²) AREA LENGTH (M) 25013.615 25013.615 25013.615 25013.615 25116.740 25326.488 23482.474 24353.393 24678.785 24882.468 24882.468 24981.551 24984.920 25013.615 25013.615 25013.615 ACAREA (M²) Clearing and Grubbing 282.287 288.287 4471.075 442.390 325.392 325.392 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 AREA (M²) 827.646 LENGLH (W) 11.000 2.000 11.137 49.107 49.940 50.239 50.097 48.665 48.665 50.097 49.744 49.744 49.744 49.744 49.744 49.744 49.744 49.744 49.746 50.097 50.097 49.756 49.776 49. 50,228 51,865 51,865 54,230 48,039 48,039 60,000 55,030 53,074 47,156 47,158 47,158 47,158 47,158 53,074 53,074 53,074 53,074 53,030 53 DISTANCE (M) WF - 68 WF - 69 WF - 70 WF - 71 WF - 72 WF - 72 National Br / WF - 72+22 National Br / WF - 72+29 National Br / WF- 73+9
WF- 74
WF- 75
WF- 76
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WF- 77 WF - 64
Railway Br / WF - 65
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WF - 66 WF- 79 WF- 80 WF- 81 WF- 82 WF- 83 WF- 84 WF- 85 WF- 86 WF- 88 WF- 87 WF - 56 WF - 57 WF - 59 WF - 60 WF - 61 WF - 63 National Br / WF- 73 X-SECT NO.

	DISTANCE	Clea	Clearing and Grubbing	ing		SODDING			Riprap		Str	Stripping of Top Soil	
X-SECT NO.		LENGTH	AREA	ACAREA	LENGTH	AREA	AC.AREA	LENGTH	AREA	AC.AREA	AREA	VOLUME	AC.VOL
	(M)	(W)	(M²)	(M²)	(M)	(M²)	(M ²)	(M)	(M²)	(M²)	(M ²)	(M ²)	(M ²)
WF- 94	47.764	00.0	0.000	26600.766	3.56	179.354	18830.313				00.00	0.000	2726.107
Old. Sim. Br/WF- 94+23	26.866	00.00	0.000	26600.766		100.882	18931:195				0.00	0.000	2726.107
WF- 95	25.918	00.0	0:000	26600.766	2.77	87.084	19018.280				0.00	0.000	2726.107
WF- 96	46.173	00.0	0.000	26600.766		131,593	19149.873				0000	0.000	2726.107
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C. 101 3/11 and 11/10	0000	9	000	000	90	0000	000				900	10000	0000
WE 102	34.870	000	0000	0000	0000	0000	0.000				0.00	0.000	0.000
WF- 103	50.539	00'0	0.000	00000	00:0	0000	0.000				0.00	0.000	0.000
WF. 104	58.390	0.00	0.000	0.000	3.32	96.927	96.927				00'0	0.000	0000
WF- 105	50.623	00.0	0.000	0.000	5.14	214.135	311.063				00.0	0.000	0000
WF- 106	46.910	00:0	0.000	0.000	1.03	144.717	455.780				0.00	0.000	0000
WF- 107	52.383	00:0	0000	0.000	2.13	82.765	538.545				0.00	0.000	0.000
WF- 108	53.394	00:0	0000	0.000	4.74	183.408	721.954				00.00	0.000	0.000
WF. 109	42.440	00.0	0.000	0.000	10.67	327.000	1048.954				00'0	0.000	0.000
WF- 110	48.417	00.0	0.000	0:000	00.0	258.305	1307,258				00'0	0.000	0.000
WF. 111	48.237	00.0	0:000	0.000	00.00	0.000	1307.258				00.0	0.000	0.000
WF- 112	33,216	2.62	43.513	43,513	4.72	78.390	1385.648				0.00	0.000	0.000
WF-113	44.094	0.00	57.763	101.276	0.71	119.715	1505.363				0.00	0.000	0.000
WF- 114	48.018	7.30	175.266	276.542	4.63	128.256	1633.620				0.00	0.000	0000
WF- 115	46.871	00:0	171.079	447.621	1.42	141.832	1775.451				0.00	0.000	0.000
WF- 116	48.763	00.0	0000	447.621	0.47	46.081	1821.532				0.00	0.000	0.000
WF- 117	48.629	00.0	0.000	447.621	1.42	45.954	1867.487				0.00	0.000	0.000
WF- 118	46.524	0.00	0.000	447.621	3.16	106.540	1974.027				00:00	0.000	0.000
WF- 119	46.856	0.00	0.000	447.621	4.43	177.819	2151.845			-	00'0	0.000	0.000
WF- 120	48.226	0.00	0.000	447.621	3.95	202.067	2353.912				0.00	0.000	0.000
WF- 121	43.077	0.00	0.000	447.621	2.77	144.739	2498.651				0.00	0.000	0.000
WF- 122	39.273	0.00	0:00	447.621	2.53	104.073	2602.724				0.00	0.000	0.000
WF- 123	31,760	00:0	0.000	447.621	1.34	61.456	2664.180				0.00	000:0	0.000
WF- 124	29.761	0.00	0.000	447.621	1.11	36.457	2700.637			:	0.00	0.000	0.000
WF- 125	32.527	00:00	0.000	447.621	1.19	37.406	2738.043				00'0	0.000	0.000
WF- 126	49.643	00'0	0.000	447.621	06.1	76.698	2814.741				0.00	0.000	0.000
WF- 126+39.0	39.000	0.00	0.000	447.621	0.00	37.050	2851.791	0.00				0.000	0.000
WF- 127	9.972	00.0	0.000	447.621	00:00	0.000	2851.791	3.85	19.196			0.000	0.000
WF- 128	42.213	00.0	0.000	447.621	0.00	0.000	2851.791	3.90			0.00	0.000	0.000
WF. 129	42.766	00.0	0.000	447.621	00.00	0.000	2851.791	2.00		308.931	00.0	0.000	0.000
WF- 130	38.570		0.000	447.621	00.0	0.000	2851.791	14.30		623.277	0.00	0.000	0.000
WF- 131	47.384	00.00	0.000	447.621	00:00	0.000	2851.791	12.43	633.287	1256.564	00.0	0.000	0000
WF- 132	37.073	00:00	0.000	447.621	00.0	0.000	2851.791	2.95		1541.655	0.00	0.000	0.000
WF- 133	37.266	00:0	0000	447.621	1.58	29.440	2881.232				00.00	0.000	0.000
WF- 134	42.892	0.00	0.000	447.621	0.71	49.111	2930.343				0.00	0.000	0.000

LEFT SIDE

AC.VOL Stripping of Top Soil VOLUME (M) AREA (M²) 0.000 108.901 397.879 900.833 ACAREA (M²) 0.000 108.901 288.978 502.954 293.438 Riprap AREA (M²) 3.08 7.34 1.04 LENGTB (M) 3039.110 3320.574 3320.574 4422.102 4422.102 4680.549 4680.549 4680.549 4680.549 4680.549 4680.549 4680.549 4680.549 4680.549 4680.549 4680.549 4680.549 6732.424 6473.902 6550.234 6473.902 6550.234 6473.903 7762.455 AC.AREA (M²) (M²)
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7												Sheet:	
	DISTANCE	P.	Clearing and Grubbing	ing		SODDING		, i	Riprap		Stri	Stripping of Top Soil	
X-SECT NO.		LENGTH	AREA	¥	LENGTH	AREA	ACAREA	1	AREA	AC.AREA	AREA	VOLUME	AC.VOL
	(M)	(M)	(M ₂)	(M)	N)	, W	(M²)	(W)	(M²)	(M ²)	(M²)	(M ²)	₹.
WF- 175	25.650	0.00	0000	٠.		0000	8285.210				00.0	0.000	0.000
WF- 176	45.912	0.00	0.000		0.00		8285.210				00'0		0.000
WF 177	49.330	00.0	0000	5853.819	٠.	•	8285.210				00'0	0.000	0.000
WF- 178	55.000	0.00	0000	5853.819		0.000	8285.210				00'0		0.000
WF- 179	49.260	00.0	0.000	5853,819	00'0	00000					00'0	0.000	0.000
WF- 180	53.450	0.00	0.000	5853.819		000.0	8285.210				00.0	0.000	0.000
WF- 181	49.870	00.0	0.000	5853.819	0.00	0.000	8285.210				0.00	0000	0.000
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AC.VOL 0,000 0 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0,000 0 0,000 0 EARTHFILL VOLUME (M) AREA (M²) 0.000 AC.VOL EMBANKMENT 0.000 VOLUME (M) 8.88 8.23 8.23 10.15 10.15 11.21 11.21 11.38 12.32 AREA (M²) 18314.100 19579.569 28849.4050 33701.074 37246.756 45089.814 49741.447 58828.104 58828.104 58828.104 573714.636 773714.636 77076.707 81456.236 81456.236 81456.236 81456.236 81456.236 81456.236 81456.236 81456.236 AC.VOL (M³) RIVER EXCAVATION 18314,100 1265,469 4835,031 4474,402 4812,072 3545,683 3745,748 4516,347 VOLUME (M²) AREA (M²) 0.000 AC.VOL LAND EXCAVATION 0,000 0,000 0,000 0,000 0,000 0,000 0,000 1876,385 22045,203 1933,772 1217,281 VOLUME (M²) 28.76 43.57 44.61 AREA (M²) 13.700 13.700 147.970 147.960 147.960 147.960 149.990 146.689 DISTANCE (M) WF. 14 WF. 15 NRR BRIDGE WF 6 - 9 WF 6 - 1 WF 6 - 5 WF 6 - 3 WF 6 - 3 WF 6 - 1 WF 6 - 1 WF - 1 WF - 2 WF - 4 WF - 5 WF - 7 WF - 7 WF - 9 WF - 10 WF - 12 WF - 13 3P OF CONCIRUCTION X-SECT NO.

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X-SECT NO.	DISTANCE	AREA	VOLUME	ACVOL	AREA	VOLUME	AC VOI	AREA	VOLIME	ACVOI	ABEA	VOLTEME	AC VOT
	(M)	(M ²)	(M ²)	(M)	(M)	(M)	(M²)	(M ²)	(M ²)	(W)	(M.)	(M)	() () () ()
WF- 15		23.40	0.000		115.64	0000	0.000	2.29		0.000	5.63	0.000	0.000
WF- 16	\$5.962	20.87	1238.719	1238.719	98.90	6003,044	6003.044	2.29	128.153	128 153	1.05	186.913	186.913
WF- 17	46.156	27.23	1110.052	2348.771	86.14	4270.353	10273.397	121	80 773	208 926	00.0	24.232	211.145
WF - 18	50 231	3.92	782.348	3131.118	71.22	3952.175	14225.572	0.53	43 701	252.627	0.83	20.846	231.991
WF - 19	081.180	20.18	737.219	3868.337	79.00	4595.230	18820.802	0.42	29.061	281.687	00.0	25.390	257.381
WF - 20	46.620	21.17	963.869	4832.206	74,69	3582.514	22403.316	0.65	24.942	306.629	00:0	0.000	257.381
WF-21	52.051	14.87	937.959	5770.165	91.04	4313,206	26716.522	0.32	25.245	331.874	0.62	16.136	273.516
WF - 22	51.364	24.45	1009.816	186'6229	99.47	4892.678	31609.200	0.33	16.693	348.567	1.05	42.889	316,405
WF- 23	50.972	19.81	1128.010	7907.992	125.97	5745.564	37354.763	0.53	21 918	370.485	2.56	92.004	408.410
WE - 24	46.049	23.92	1006.861	8914.853	130,11	5895,999	43250.762	0.64	26.939	397.424	2.20	109.597	518,006
WF-25	44,175	33.19	1261.417	10176.270	125.09		48887.382	0.12	16.787	414.210	4.87	156.159	674.165
WF - 26	19.761	31.62	1612.505	11788.775	127.63	6287.800	55175.182	00.0	2.986	417.196	4.87	242.336	916.501
WF - 27	53.816	22.04	1443.883	13232.659	142.23	7261.393	62436.575	00'0	0000	417.196	7.94	344.691	1261.193
WF - 28	53.395	25.71	1274.806	14507.464	141.90	7585.561	70022.135	86.0	26.164	443.360	7.14	402.598	1663.791
WF- 29	52.381	40.90	1744.549	16252:013	138.78	7351.150	77373.285	0.42	36,667	480.026	7.24	376.619	2040.410
WF - 30	52.311	24.07	1699,323	17951.336	136.92	7211.071	84584.356	2.03	64 081	544.107	8.25	405.149	2445.559
WF-31	54.872	28.49	1442.036	19393.372	131.96	7376.992	91961.348	1.65		645.072	6.82	413.461	2859.019
WF - 32	51.803	10 14	1877.859		131.28	6818.311	98779.659	1.73		732.619	000	176.648	3035.668
WF - 33	52.889	37.76	2162.367	23433.598	128.81	6877.950	105657.609	1.39		815.126	2.47	65.318	3100.986
WF - 34	53.628	33.92	1921.893	25355.491	135.68	7092.035	112749.644	86.0	63 549	878.675	12.85	410.790	3511.776
WF - 35	44.904	30.28	1441.306	26796.798	137.67	6137.142	118886.786	0.70		916.394	18.13	695.563	4207.339
WF - 36	45.069	41.85	1625.413	117.22482	133.51	6110.793	124997.579	00.0	15.774	932.168	17.38	800:200	5007.539
WF - 37	49.307	40.17	2022.080	30444.291	126.21	6403.007	131400.586	0.81		952.138	15.01	798.527	5806.066
WF- 38	49.114	37.45	1906.114	32350.405	131.22		137722.294	00.0		972.029	20.61	874.720	6680.786
WF-39	\$4.155	48.93	2338.954	34689,360	119.50		144511.165	2.56		1041.347	15.65	981.830	7662.616
WF- 40	46.052	53.06	2348.422	37037.782	120.91	Ì	150046.846	3.59		1182,957	17.73	768.608	8431.224
WF-41	52.485	49.32	2686.707		121.46	-	156407.240	4.20		1387.386	18.20	942.893	9374.117
WF - 42	50.975	60.74	2805.154		110.47		162318.556	3.20		1575.994	16.66	888.494	10262.612
WF-43	48.218	58.90	2884.401	2	110.09		167636.037	4.98		1773.205	13.91	737.012	10999.624
WF- 44	50.336	52.82	2811.769	48225.813			173066.285	4.25	232.301	2005.506	16.22	758.312	11757.936
WF- 45	52.028	52.14	2730.429	50956.242			178356.752	3.17		2198.530	11.73	727.091	12485.027
WF- 46	51.048	44.71	2471.999	53428.242		: .	183347.205	3.56		2370.306	13.10	633.761	13118.788
WF - 47	47.583	45.20	2139.094	55567,335	94.02	1	187911.366	3.95		2548.980	6.67	470.358	13589.146
WF - 48	51.302	44.88	2310.642	57877.977	85.48		192515.720	00:0	101 321	2650.302	15.6	415.033	14004.179
WF - 49	51.470	56.55	2610.301	60488.278	71.25	i.	196549.167	2.32	50.705	2710.007	5.25	379.849	14384.028
WF - 50	48.795	48.30	2558:078	63046.356	73.73	3537,150	200086.317	2.67	121.744	2831.751	1.09	154.680	14538.708
WF- 51	48.459	52.32	2437.972	65484.329	68.89	3407.152	203493.469	2.16	117.028	2948.779	00.0	26.410	14565.118
WF - 52	49.365	44.98	2401.607	67885.936	57.23	3063.592	206557.061	0.04	54.302	3003.081	0.00	0.000	14565.118
WF - 53	51.789	50.70	2477.586	70363.522	46.20	2678.268	209235.329	0.00	1.036	3004.116	0.00	0.000	14565.118
WF - S4	52.231	44.23	2479.144		36.19	2151.656	211386.985	3.71	688.96	3101.005	0.00	0.000	14565.118
WF - 55	48.406	37.27	1972.545	74815.213	36.82	1767 061	13154 045	0.44	100 440	3001 1117	00.0	0000	1 4555 110
	-			I	2010	170.001	2121213		100.442	3201.447	0.00	0.000	14303.110

	DISTANCE	LAN	Ε.	ON	RIV	RIVER EXCAVATION	NOI	S	EMBANKMENT			EARTHFILL	
N-SECTING.		AREA	VOLUME	AC.VOL	AREA	VOLUME	VC.VOL	AREA	VOLUME	AC.VOL	AREA	VOLUME	AC.VOL.
	(M)	(M ²)	(M,)	(M)	(M²)	(M ²)	(M²)	(M²)	(M³)	(M)	(M ²)	(W)	(M)
WF- 57	50.228	31.69	1923.732	78804.414	29.79	1398.096	216128.013	3.92	111.757	3337.584	00.0	0000	14565.118
WF - 58	51.865	34.30	1711.286	80515.700	27.18	1477.375	217605.387	1.09	129.922	3467.506	0.42	10.892	14576.01
WF - 59	47.230	35.27	1642.896	82158.595	32.79	1416.192	219021.579	1.49	60.927	3528.433	0.25	15.822	14591.83
WF- 60	50.268	40.43	1902.644	84061.239	25.81	1472.852	220494.431	1.14	66.102	3594.535	00.0	6.284	14598.1
WF - 61	53.049	42.09	2188.802	86250.041	28.88	1450.625	221945.056	2.58	129.86	3693.206	00:0	0.000	14598.1
WF - 62	48.939	46.91	2177.786	88427.826	31.57	1479.181	223424.237	1.20	92 495	3785.701	000	0000	14598.1
WF - 63	47.656	40.97	2094.005	90521.831	32.23	1520.226	224944.464	1.61	66.957	3852.658	00.0	0000	14598.1
WF- 64	51.814	52.63	2424.895	92946.726	28.91	1583.954	226528.418	0.00	41.710	3894.368	00.0	0000	14598.11
Railway BR/WF- 65	49.558	43.27	2376.306	95323.032	42.07	1758.813	228287.231	00.0	0000	3894.368	0.00	0.000	14598.1
WF - 66	50.581	43.64	2197.997	97521.030	21.98	1619.857	229907.088	2.00	50.581	3944 949	00.00	0000	14598.1
WF - 67	52.397	36.58	2101.644	99622.673	14.78	963.057	230870.145	0.13	55.803	4000.752	0.00	0000	14598.1
WF - 68	46.986	29.97	1563,459	101186.132	839	544.333	231414.477	0.19	7.518	4008.269	00:0	0.000	14598.11
WE - 69	49.202	23.00	1303.115	102489.247	8.59	417.725	231832,202	2.44	64.701	4072.970	0.0	0.000	14598.11
WF - 70	50.566	23.62	1178.693	103667.941	6.07	370.649	232202.851	1.78	106.694	4179.664	0.0	0000	14598.11
WE-71	50.978	21.62	1153.122	104821.063	7.12	336.200	232539.051	4.11	150.130	4329.795	0.00	0.000	14598.11
WF - 72	55.980	26.23	1339.322	106160.385	12.13	\$38.808	233077.859	3.68	218.042	4547.837	00.0	0000	14598.11
National Br WF - 72+22	29.366	27.66	791.267	106951.652	27.01	574.693	233652.551	3.68	108.067	4655.904	00'0	0000	14598.11.
National Br WF - 72+22	0:000	27.66	0.000	106951.652	27.01	0.000	233652.551	0.00	0000	4655 904	0.00	0000	14598.11
National Br WF - 72+29	11.000	22 22	274.340	107225.992	26.95	296.780	233949.331	00:00	0.000	4655.904	0.00	0000	14598.11
National Br WF - 73	2.000	16.42	38.640	107264.632	22.52	49,470	233998.801	00.0	0000	4655.904	000	0000	14598.11
National Br WF - 73+9	11.137	16.88	185.431	107450.063	23.06	253.812	234252.613	0.00	0.000	4655.904	00.0	0.000	14598.11
	43.513	16.88	734.499	108184.562	35.35	1270.797	235523.411	00:0	0.000	4655 904	00.0	0000	14598.1
WF- 74+7	7.000	47.61	225.715	108410.277	27.50	219.975	235743.386	0.00	000.0	4655.904	00:00	0000	14598.11
WF- 75	42.107	47.61	2004.714	110414.991	15.20	898.984	236642.370	00.00	0000	4655.904	00:0	0.000	14598.11
WF- 76	49.940	45.04	2313.471	112728.462	10.96	653.215	237295.585	0.00	0000	4655.904	0.00	0.000	14598.11
WF- 77	52.279	34.15	2069.987	114798.449	6.21	448.815	237744.400	0.00	0000	4655.904	0.0	0.000	14598.1
WF- 78	46.050	27.87	1428.011	116226.459	4.38	243.835	237988.235	0.00	0.000	4655.904	0.0 8.0	0.000	14598.1
WF- 79	47.348	25.53	1264.192	117490.651	5.15	225.613	238213.848	0.00	0.000	4655.904	0.00	0.000	14598.11
WF- 80	55.983	15.92	1160.248	118650.899	6.74	332.819	238546.667	0.00	0.00	4655.904	0.00	0.000	14598.11
WF- 81	50.123	20.43	910.986	119561.884	8.84	390,458	238937.126	0:00	0.00	4655.904	0.00	0.000	14598.11
WF- 82	48.606	32.06	1275.664	120837.549	<u>:</u>	483.144	239420.269	0.00	0.000	4655.904	0.00	0.000	14598.1
WF- 83	20.561	30.70	1586.604	122424.153	9.48	518.756	239939.025	0.00	0000	4655.904	0.0	0.000	14598.11
WF- 84	48.645	47.21	1894.966	124319.119	13.45	\$57.71\$	240496.740	0.00	0.000	4655.904	0.00	0.000	14598.1
WF- 85	54.033	43.19	2442.292	126761.410	12.29	695.405	241192,145	8.0	0000	4655,904	00.0	0.000	14598.11
WF- 86	50.097	46.67	2250.858	129012.269	15.24	689.585	241881.730	0.00	0.000	4655.904	0.00	0.000	14598.11
/8 -/ M	47.756	42.84	2137.320	131149.588	11.17	630.618	242512.348	00:0	0000	4655.904	00.0	0.000	14598.1
WF- 88	30.018	33.79	1966.438	133110.046	11.14	100/100	243070.299	0.00	0.000	4655.904	0.00	0000	14598.11
W.E. OO	40 204	20.70	1647.413	134940.717	20.6	307.4.200	243371.718	300	0.000	4655.904	00.0	0.000	14598.11
WF- 91	53.526	34.19	1675.631	138251.762	9.15	420 447	244383 963	800	0000	4655.904	00.00	0.000	1150011
WF- 92	50.493	53.46	2212.856	140464.617	10.43	494 326	244878 280	000	0000	4655 904	00.0	9000	14570.1
WF- 93	48.367	69.29	2968.525	143433.142	14.62	161.509	245484.086	0.00	0000	4655,904	000	0000	1150811
WF- 94	47.764	51.65	2888.289	146321.431	8.58	554,062	246038.148	00.0	0000	4655.904	000	0000	145981
Old. Sim. Br/WF- 94+23	26.866	00.00	693.814	147015.245	8.47	229.033	246267.181	00.0	0.000	4655.904	00.0	0.000	14598.11
WF- 95	25.918	0.00	0000	147015.245	18.70	352.096	246619.277	00.0	0.000	4655,904	00.0	0000	14598.115
WF- 96	46.173	0.00	0.0001	147015.245	15.06	779,400	247398 6771	000	10000	1500 ASS	000	0000	0034

X-SECT NO.		S	ENCYALIS	NO	KIV.	RIVER EXCAVATION	NOI	H	EMBANKMENT			EARTHFILL	-
		AREA	VOLUME	AC.VOL	AREA	VOLUME	VCVOL	AREA	VOLUME	AC.VOL	AREA	VOLUME	ACVOL
	(M)	(M ²)	(M,)	(ML)	(M)	(M)	(M)	(M^2)	(M²)	(M³)	(M²)	(M)	(M ²)
Simongan Weir WF- 101+20	0.000	0.00	0.000	0.000	46.08	0.000	0.000	0.00	0.000	0000	00:0	0.000	0000
WF- 102	54.870	12.27			42.21			0.00			0.00		
WF- 103	50.539	22.80			54.05			00.00			00.0		
WF- 104	58.390	14.30			52.73			0.00			0.00		
WF- 105	50.623	7.75	558.119	558.119	52.75	2669.857	2669.857	0.00	0.000	0.000	00.0	0.000	000.0
WF- 106	46.910	5.70	315.470	873.588	28.86	1914,163	4584.020	0.85	19.937	19.937	0.00	0.000	0.000
WF- 107	52.383	30.93	959.395	1832.983	49.83	2061.009	6645.029	00.0	22.263	42.200	00.0	0000	0000
WF- 108	53.394	14.45	1211.510	3044,493	20 05	2689.723	9334.751	00:0	0.000	42.200	00:0	0.000	0.000
WF- 109	42.440	20.58	743.337	3787.829	53.76	2221.310	11556.061	00.0	0.000	42.200	00:0	0.000	0.000
WF 110	48.417	1.89	543.965		50.24	2517.684	14073.745	00.00	0.000	42,200	1.97	47.691	47.691
WF- 111	48.237.	10.67	302.928		49.35	2401.961	16475.706	00.00	0.000	42.200	000	47.513	95.204
WF- 112	33.216	1.79	206.936		69'95	1761.112	18236.819	00:0	0.000	42.200	4.72	78.390	173.594
WF- 113	44.094	21.09	504,435		60.92	2592,948	20829.766	0.00	0.000	42.200	0.00	104,062	277.656
WF- 114	48.018	37.43	1405.007	6751.101	55.17	2787.205	23616.971	0.00	0.0001	42.200	0.00	0000	277 656
WF- 115	46.871	00.0	877.191	7628.291	23.00	1831.953	25448.924	0000	0.000	42.200	00'0	0000	277.656
WF- 116	48.763	10.76	262,345	7890,636	55.51	1914.192	27363.116	0.00	0.000	42.200	00.0	0000	277.656
WF- 117	48.629	3.77	353.290	8243.926	45.57	2457.710	29820.826	0000	0.000	42.200	00:0	0000	277.656
WF- 118	46.524	8.27	280.074	8524.000	46.15	2133.591	31954.416	00.0	0.000	42.200	00.0	0.000	277.656
WF- 119	46.856	00.00	193.750	8717.750	39.43	2004.968	33959.384	0.00	0.000	42.200	00.0	0.000	277.656
WF- 120	48.226	6.63	159.869	8877.619	53.10	2231.176	36190.560	00.0	0.000	42,200	00.0	0000	277.656
WF- 121	43.077	28.94	766.124	9643.744	54.32	2313.666	38504.226	00.0	0.000	42,200	00.0	0.000	277.656
WF- 122	39.273	21.65	993.411	10637.154	46.15	1972.879	40477.105	00.0	0.000	42.200	00.0	0.000	277.656
WF- 123	31.760	25.03	741.278	11378.433	49.72	1522.416	41999.521	00'0	0000	42.200	00.0	0.000	277.656
Ground Sill WF- 124	29.761	25.26	748.340	12126.773	20.06	1038.361	43037.882	00.0	0.000	42.200	00'0	0.000	277.656
WF- 125	32.527	21.80	765.360	12892.133	18.26	623.217	43661.099	0.00	0000	42 200	00.0	0000	277.656
WF- 126	49.643	37.00	1459.504	14351.637	19.93	947.933	44609.032	00:0	0.000	42.200	00.0	000.0	277.656
WF- 127	48.972	52.22	2184.641	16536.278	21.00	1002,212	45611.244	00:0	0.000	42.200	00.0	0.000	277.656
WF- 128	42.213	49.90	2155.396	18691.674	20.08	867.055	46478.299	00.0	0.000	42.200	00.0	00:00	277.656
WF- 129	42.796	7.32	1223.535	19915.209	18.07	815.761	47294.061	4.33	92.588	134.788	0.00	0.000	277.656
WF- 130	38.5/0	61.33	1323.915	21239.125	21.97	772.171	48066.232	0.46	92.375	227.163	00.0	0.000	277.656
WF- 131	47.384	85.30	3568.726	24807.851	20.08	996.249	49062.481	0.00	10.898	238.061	0.00	0.000	277.656
MF- 132	27.073	99.00	2940.302	21124.413	19.86	740.348	49802.829	00:0	0.000	238.061	0.00	0.000	277.656
WF- 133	007.76	30.76	2301.174	30113.586	15.29	654.950	50457.779	0.00	0.000	238.061	0.00	0.000	277.656
WE- 134	77.077	35.36	1620 500	34184.123	10.01	355.451	51013.230	00:0	0.000	238.061	0.00	0.000	277.656
WE 136	48 205	41.45	1356.309	25001002	8 6	097.693	51/10.923	7.76	267.099	505.161	00.0	0.000	277.656
WE 137	64 960	77 14	1303.273	32083.907	15.23	863.974	32374.877	12.47	590.665	1095.826	8.36	244.091	521.747
WE 138	56 032	1 46	2012 013	170001133	14.33	222.111	23080.732	0.00	404.438	1500.284	0.00	271.152	792.899
WF. 130	K2 879	001	100.704	42001-010	00 11	732.443	2419.17	0.00	0.000	1500 284	000	0.000	792.899
WE 140	60.040	7 04	109.704	43001.918	2.38	104.039	55183.835	3.99	127.337	1627 621	0.00	0.000	792.899
WE 140	117.00	20.7	143,334	43147.477	7.43	193.497	35939.352	11.41	464.087	2091.708	61.29	1847.005	2639.904
141 -141	11017	7.5	14/3.042	44622.314	11.26	012.881	56552.212	0.00	294.441	2386.149	0.00	1581.619	4221.523
WF- 142	26.193	(4.6)	4599.891	49222.405	15.38	881.717	57433.930	0.00	0.000	2386.149	00.0	0.000	4221.523
145 TH	(17.07	100.83	0//0.901	22273.366	11.14	937.681	58371.611	0.00	0.000	2386.149	0.00	0.000	4221.523
WF- 144	33,400	75.27	5577.106	61570.472	86.6	585.721	58957.331	0.00	0.000	2386.149	00.0	00000	4221.523
WF. 145	21.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C	1001	94238.880	62809.352	6.20	451.200	59408.531	00.0	0.000	2386.149	0.00	0.000	4221.523
	1	Transfer	Transan.	02424.7021	0.07	331.741	39 /40.224	0.00	0.000	2386.149	00.0	0.000	4221.523

	DISTANCE	LAN	LAND EXCAVATI	NO.	RIVI	RIVER EXCAVATION	Š.	Ē	EMBANKMENT		11	EARTHFILL	
X-SECT NO.		AREA	VOLUME	AC.VOL.	AREA	VOLUME	AC.VOL	AREA	VOLUME	AC.VOL.	AREA	VOLUME	AC.VOL.
	(M)	(M ²)	(M³)	(M ²)	(M ²)	(M ³)	(M ²)	(M ²)	(M ³)	(M)	(M²)	(M)	(M ₃)
WF- 147	44.950	41.69	3395.973	72888.955	7.31	352.858	60093.110	0.00	0.000	2386.149	0.00	0000	4221.52
WF- 148	49.490	1000	1723.984	74612.940	4.43	290.506	60383.616	00.0	0.000	2386.149	00.0	0000	4221.52
WF- 149	\$6.037		2512.979	77125.919	4.99	263.934	60647.550	0.00	0000	2386.149	00.0	0.000	4221.52
WF- 150	43.296	75.69	2974.435	80100.354	7.11	261.941	60909 491	00.0	0.000	2386.149	00.0	0000	4221.523
WF- 151	35.164	72.07	2597.916	82698.270	80.9	231.907	61141 398	00.0	0000	2386.149	0.00	0000	4221.523
WF- 152	29.570	48.88	1788.246	84486.516	3.91	147.702	61289.100	00.0	0.000	2386.149	0.00	0000	4221.523
WF- 153	42.207	24.35	1545.409	86031.925	0.93	102.141	61391.241	0.00	0.000	2386.149	00.00	0.000	4221.52
WF- 154	46.273	3.19	637.179	86669.105	00.0	21.517	61412.758	80:0	1.851	2387.999	0.10	2.314	4223.837
WF- 155	51.643	10.27	347.557	87016.662	0.00	0.000	61412.758	00.0	2.066	2390.065	00.0	2.582	4226.419
WF- 156	50.046	43.68	1349.991	88366.653	1.22	30.528	61443.286	00.0	0.000	2390.065	0.00	0000	4226.419
WF- 157	55.546	76.31	3332.482	91699.135	4.47	158.028	61601.314	00.0	0.000	2390.065	00'0	0.000	4226.419
WF- 158	50.472	100.82	4470.053	96169.188	1.00	138.041	61739.355	0.00	0.000	2390.065	00.0	0.000	4226.419
WF- 159	48.327	117.79	5282.383	101451.571	1.18	52.676	61792.032	00.0	0.000	2390.065	00.0	000.0	4226.419
WF- 160	57.635	112.34	6631.771	108083.342	0.49	48.125	61840.157	00.0	000:0	2390.065	00.0	00:00	4226.419
WF- 161	33.976	100.24	3611.309	111694.651	1.38	31.768	61871.924	00.0	0.000	2390.065	00.0	0000	4226.419
WF- 162	56.038	110.27	5898,280	117592.931	1.58	82.936	61954.861	00.0	0.000	2390.065	0.00	0.000	4226.419
WF- 163	51,395	114.83	5784.507	123377.438	1.24	72.467	62027.328	00.0	0000	2390.065	00.0	0.000	4226.419
WF- 164	39.314	66.55	3565.387	126942.824	10.86	237.850	62265 177	000	0.000	2390.065	00.0	0000	4226.419
WF- 165	43.008	97.39	3525.366	130468:190	13.93	533.084	62798 261	00.0	0.000	2390.065	00.00	0000	4226.419
WF- 166	26.587	82.40	2390.038	132858.229	9.63	313.195	63111.456	00.0	0000	2390.065	00.0	0.000	4226.419
WF- 167	45.754	59.20	3239.383	136097.612	4.63	326.226	63437.682	0.00	0.000	2390.065	0.00	0.000	4226.41
WF- 168	44.146	45.82	2318.106	138415.718	4.02	190.931	63628.614	0.00	0.000	2390.065	00.00	0.000	4226.419
WF- 169	53.201	59.78	2809.013	141224.731	5.54	254.301	63882.915	00:0	0.000	2390.065	00.00	0.000	4226.41
WF- 170	53.074	99.08	4215.668	145440.399	9.83	407.874	64290.788	00.00	0.000	2390.065	00.0	0.000	4226.41
WF- 171	54.141	105.98	5551.077	150991.476	7.29	463.447	64754.235	0.00	0.000	2390.065	0.00	0.000	4226.41
WF- 172	50.305	70.06	4427.846	155419.322	6.04	335.283	65089.518	0.00	0.000	2390.065	0.00	0.000	4226.41
Ground still WE- 173	57.294	0.00	2007.009	157426.331	0.00	173.028	65262.546	0.00	0.000	2390.063	0.00	0.000	4226.419
WF- 174	53.883	52.85	1423.858	158850.189	3.29	88.638	65351.183	0.00	0.000	2390.065	00.0	0.000	4226.41
Total Bridge / WF- 174+180	18.000	52.85	951.300	159801.489	3.29	59.220	65410,403	0.00	0.000	2390.065	0.00	0.000	4226.41
WF- 174+180	0.000	69.01	0.000	159801.489	9.58	0.00	65410.403	0.00	0.000	2390.065	0.00	0.000	4226.41
WF- 175	32.665	10.69	2254.212	162055.700	9.58	312.931	65723.334	0.00	0.000	2390.065	0.00	0.000	4226.419
WF- 176	45.912	52.55	2790:531	164846.232	13.83	\$37.400	66260.734	0000	0.000	2390.065	4.12	94.579	4320.99
WF- 177	49.330	34.52	2147.582	166993.813	9.46	574.4481	66835.182	0.00	0.000	2390.065	1.73	144.290	4465.28
WI 178	55.000	43.97	2158.475	169152.288	198	314 600	67149.782	00.0	0.000	2390.065	4.70	176.825	4642.11
WF- 179	58.020	58.92	2984.839	172137.127	45.49	1377 105	68526.887	0.00	0000	2390.065	0000	136.347	4778.460
WF- 180	93.440	25.80	3958.118	176095.246	4.83	2350.950	70877.837	8.53	398.522	2788.587	000	0.000	4778.46(
WF- 181	37.400	0.99	500.973	176596.219	4.77	179.520	71057.357	7.98	308.737	3097.324	0.00	0.000	4778.46(
WF- 182	39.900	00.0	19.751	176615.969	0.00	95 162	71152.519	3.00	219.051	3316.375	0.00	0.000	4778,460
WF- 183	44.470	0.00	0.000	176615.969	0.00	0.000	71152.519	5.00	177.880	3494.255	0.00	0.000	4778.46(
WF- 184	44.620	0.00	0.000	176615.969	0.00	0.000	71152.519	2.00	156.170	3650.425	0.00	0.000	4778.46
									-	-			

WEST FLOODWAY/ GARANG RIVER EARTH WORK

Shoet: 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 812.714 1167.605 1567.048 1919.022 2213.864 2289.569 3243.680 3537.491 3900.392 466.370 AC.VOL (M.) Stripping of Top Soil 0.000 VOLUME (W) AREA (M²) 0.000 AC.AREA (M²) 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 1.000 0.000 SODDING AREA (M²) LENGTH (M) 633.803 1865.480 3250.855 4670.418 6268.191 7676.090 8855.458 11700.253 11700.253 AC.AREA (M.) Clearing and Grubbing 633.803 1231.677 1385.375 1419.563 1407.879 1179.368 1179.368 1179.368 1179.368 1179.368 1179.368 1179.368 1179.368 1274.468 1175.244 1175 0.000 AREA (M²) LENGTII (M) 13.700 49.910 47.900 50.010 49.990 46.084 46.084 46.084 46.387 51.824 46.387 47.408 47.408 47.408 47.408 47.408 47.408 47.408 DISTANCE (M) WF 6 -5 WF 6 -4 WF 6 -3 WF \$ -2 WF \$ -1 WF \$ 0 WF - 14 WF - 2 WF - 3 WF - 4 WF - 10 WF-1 WF - 6 WF - 7 X-SECT NO. NRR BRIDGE

						Contract			Character of Tonigraphy			
	DICTANCE	Clea	Clearing and Grubbing	gui		Children		- 1				
X-SECT NO.	TO T	LENGTH	AREA	ACAREA	LENGTH	AREA	AC.AREA	AREA	VOLUME	AC.VOL		
	(M)	(M	(M²)	(M ²)	(M)	(M²)	(M²)	(M²)	(M ³)	(M ²)		
												+
WF. 15		11.00	0000	0.000	7.52	000.0	0.000	2.75	0000	0.000		
WF 16	55.962	11.00	615.582	615.582	7.52		420.834	1.07	106.887	106.887		
WF - 17	46.156	3.80	341.554	957 136	6.94	333.708	754.542	96.0	46.848	153.736		
WF - 18	50.231	7.60	286.317	1243.453	5.53		1067.732	0.87	45.961	199.697		
WF - 19	61.180	3.30	333.431	1576.884	4.84		1384.951	0.85	52.615	252.312	-	
WF - 20	46.620	3.80	146.853	1723.737	4.89	226.806	1611.757	0.76	37,529	289.841		
WF-21	52:051	5.85	230.326	1954.063	6.53		1908.968	0.83	41.381	331.222		
WF - 22	51.364	8.50	368.537	2322.599	5.96		2229.736	0.87	43.659	374.881		
WF- 23	50.972	8.87	442.692	2765.291	6.41	315.262	2544.998	0.01	22.428	397.309		
WF - 24	46,049	12.45	490.882	3256.174	6.62		2845.007	0.95	22.104	419.412		
WF- 25	44.175	12.10	542.248	3798 422			3072.288	0.61	34.457	453.869		
WF 26	49.761	13.64	640.424	4438 846	3.73		3256.404	0.26	21.646	475.515		
WF-27	53.816	18.65	868.859	5307,705			3458.752	0.11	9.956	485.471		
WF - 28	53.395	17.00	951.766	6259.471			3730.265	0.00	26.964	\$12.435		
WF - 29	52.381	15.50		7110.662	6.04			0.82	45.048	557.483		
WF - 30	52.311	25.00		8169.960				96.0	46.557	604.040		
WF-31	54.872	25.20	1377.287	9547.247	:		4742.143	1.02	54.323	658.363		
WF - 32	51.803			10303,571			5057.623	1.03	53.098	711.461		
WF-33	52.889		788.046	11091.617			5372.312	860	53,153	764.614		+
WF - 34	53.628		1750.954	ĺ			5711241	0.93	51.215	815.829		
WF - 35	44.904	41.50	1818.612				5995.708	0.84	39.740	855.569		
WF - 36	45.069		1814.027			218.359	6214.067	00.0	18.929	874.498		
WF- 37	49,307	48.50	2157.181				6453.700	0.89	21 942	896.440		
WF - 38	49,114	43.50	2259.244				6770.730	0.00	21.856	918.295		
WF - 39	54.155		2472.176		6.40		7121.113	1.13	30.598	948.893	3	
WF 40	46.052	48.11	2208 424				7416.076	1.35	57.104	1005.998		
WF - 41	52:485		2432.942	:			7753.030	1.35	70.855	1076.852		
WF 42	50.975		2143 754	Ì '	6.27		8076.721	1.36	69.071	.		-
WF 43	48.218	39.00	1892.798	32041.729			8375.432	0.64	48.218			
WF - 44	50.336	37.03	1913.523		6.22		8686.005	1.37	50.588	1244.729		
WF - 45	\$2.028	35.61	1889.657	35844.909				1.37	71.278	1316.007		-
WF - 46	51.048	34.50	1789.488	37634,396				1.37	69.936	1385,9431		
WF - 47	47.583			39299.801			9651.221	1.42	66.378	1452.322		
WF - 48	51.302			40963.782			9876.694	0.00	36.424	1488.746		
WF 49	51.470	32.48		42555,491		193.013	10069.706	1.18	30.367	1519.113		
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	DISTANCE	Clear	Clearing and Grubbing	ing		SODDING		Stri	Stripping of Top Soil	off		
X-SECT NO.		LENGTH	AREA	AC.AREA	LENGTH	AREA	AC.AREA	AREA	VOLUME	AC.VOL		
	(M)	. (W)	(M²)	(M²)	(M)	(M²)	(M ²)	(M²)	(M ³)	(M)		
WF- 51	48.459	3.95	357.385	43968.800	5.79	275.489	10597.466	1.18	58.635	1636.791		
WF - 52	49,365	00.00	97.496	44066,296	2.81	212.270	10809,735	0.29	36.283	1673.074		
WF - 53	51.789	0.00	0.000	44066,296	2.83	146.045	10955.780	00:0	7.509	1680.583		
WF - 54	52.231	5.18	135.278	44201.574	58.5	226.683	11182.463	1.39	36.301	1716.884		-
WF - 55	48.406	3,10	200.401	44401.975	8.17	339.326	11521.789	0.77	52.278	1769.162		
WF - 56	50:267	3.60	168.394	44570.370	5.89	353.377	11875.166	06'0	41.973	1811.135		
WF - 57	50.228	4.06	192.373	44762.743	5.90	296.094	12171.260	1.28	54.749	1865.884		
WF - 58	51.865	3.87	205.645	44968.388	5.94	307.041	12478.301	1.14	62.757	1928:640		
WF - 59	47.230	3.50	174.043	45142.430	4.14	238.039	12716.340	1.41	60.218	1988.859		
WF-60	50.268	3.32	171.414	45313.844	4.16	208.612	12924.952	86.0	60.070	2048.929		
WF - 61	53.049	4.97	219.888	45533.732	5.98	268.958	13193.910	1.38	62.598	2111.527		
WF - 62	48.939	3.29	202,118	45735.850	2.00	268.675	13462.586	0.84	54.322	2165.849		
WF - 63	47.656	4.09	175.851	45911.701	6.02	262.585	13725.170	1.10	46.226	2212.075		
WF - 64	51.814	0.00	105.960	46017.661	3.03	234.458	13959.628	0.00	28.498	2240,573		
WF- 65	49.558	00:0	0.000	46017.661	3.03	130.161	14109.789	0.00	0000	2240.573		
WF - 66	185'05	4.43	224.074	46241.734	4.00	202,324	14312.113	0.00	28.009	2268.582		
WF - 67	52.397	2.00	168.456	46410.191	2.00	157.191	14469.304	0.00	0000	2268.582		
WF - 68	46.986	150.00	3570.936	49981.127	1.40	79.876	14549.180	00:00	0000	2268.582		
WF - 69	49.202	4.25	3794.704	53775.831	4.03	133,583	14682.764	00.0	0.000	2268.582		
WF - 70	50.566	4.25	214.906	53990.737	4.03	203.781	14886.545	00:00	0000	2268.582		
WF - 71	50.978	5.20	240.871	54231.608	4.90	227.617	15114.162	0.00	0000	2268.582		
WF - 72	55.980	3.95	256.109	54487.716	4.02	249,671	15363.832	0.00	0.000	2268.582	-	
National Br WF - 72+22	29.366	3.95	115.996	54603.712	4.02	118.051	15481.884	0.00	0000	2268.582		. !
National Br WF - 72+22	0.000	0.00	0.000	54603.712	00.00	0.000	15481.884	0.00	0000	2268.582		
National Br WF - 72+29	11.000	0.00	0.000	54603.712	00.0	0.000	15481.884	0.00	00000	2268.582		
National Br WF - 73	2.000	0.00	0.000	54603.712	0.00	0.000	15481.884	0.00	0.000	2268.582		
National Br WF - 73+9	11.137	00.00	0.000	54603.712	00.0	0.000	15481.884	00.0	00000	2268.582		
WF- 74	43.513	00.00	0.000	54603.712	00:0	0.000	15481.884	00.0	0000	2268.582		
WF- 74+7	7.000		0.000	54603.712	0.00	0.000	15481.884	0.00	0000	2268.582		
WF- 75	42.107	00:0	0.000	54603.712	0.00	0.000	15481.884	0.00	0000	2268.582		
WF- 76	49.940	0.00	0.000	54603.712	0.45	11.237	15493.120	00:0	0.000	2268.582		
WF- 77	52.279	2.00	52.279	54655.991	1.20	43.130	15536.250	00.0	0000	2268.582		
WF- 78	46.050	0.00	46.050	54702.041	0.63	42.136	15578.386	00'0	0.000	2268.582		
WF- 79	47.348	0.00	0.000	54702.041	7.91	202.176	15780.562	0.00	0.000	2268.582		
WF- 80	55.983	0.00	0.000	54702.041	2.37	287.753	16068.315	0.00	0.000	2268.582		
WF- 81	50.123	0.00	0.000	54702.041	2.21	114.782	16183.096	00:0	0000	2268,582		
WF- 82	48.606	0.00	0.000	54702.041	1.90	99.885	16282.982	00.0	0.000	2268.582		
WF- 83	50:561	00:0	0.000	54702.041	1.82	94.043	16377.025	0.00	0.000	2268,582		
WE 64	76.646	000	900	54702 041	90.4	167 330	1454 364	000	0000	202 0200		

Sheet:

(M²) 2268.582 AC.VOL Stripping of Top Soil VOLUME (M) AREA (M²) 16822.094 17162.753 1767.0.589 17961.230 18359.431 19175.419 19175.419 19175.419 19175.419 70.113 116.438 115.648 127.852 190.115 374.621 651.144 951.204 1210.991 1410.991 ACAREA (M²) AREA (Nf.)
277.730
277.730
340.660
407.836
407.836
407.836
7398.201
439.327
73.972
0.000
0.000 0.000 70.113 40.812 45.573 14.683 11.671 7.263 276.523 300.060 283.786 SODDING 90.0 LENGTH **€** 0,000 0,000 0,000 0,000 0,000 1,24,116 54702.041 54702.041 54702.041 54702.041 54702.041 54702.041 54702.041 54702.041 54702.041 54702.041 459.642 459.642 459.642 459.642 459.642 ACAREA (M²) Clearing and Grubbing 0.000 (M²) LENGTH (M) 54,033 50.097 47.756 50.018 49.744 50.295 53.526 50.493 48.367 47.764 26.866 25.918 0.000 54.870 58.3539 58.3539 52.383 53.394 48.417 48.410 44.094 44.094 46.871 46.824 46.826 46.826 46.826 46.826 46.826 47.030 46.826 4 DISTANCE (M) Simongan Weir WF- 101+20
WF- 102
WF- 103
WF- 104
WF- 105
WF- 106
WF- 106
WF- 106
WF- 108
WF- 108
WF- 108 WF- 94 Old. Sim. Br/WF- 94+23 WF- 95 WF- 119
WF- 120
WF- 121
WF- 122
WF- 122
WF- 123
WF- 124
WF- 124 WF- 114 WF- 115 WF- 116 WF- 117 WF- 111 WF- 112 WF- 113 WF- 118 WF. 86 WF. 87 WF. 89 WF. 90 WF. 91 WF. 93 WF- 96 X-SECT NO.

RIGHT STDE

Sheet:

ACVOL (M) Stripping of Top Soil VOLUME (M) AREA (M²) 1532.960 1567.997 1754.884 1754.884 1754.884 2213.249 2240.780 2352.764 2459.565 3868.446 4190.402 4419.364 4869.838 157.649 5575.689 5657.689 5669.596 6669.596 6669.596 6669.596 6669.596 6669.596 6669.596 6669.596 6669.596 6669.596 6669.596 6669.596 6669.596 6669.596 ACAREA (M²) 38.198 35.037 186.887 121.337 111.984 106.801 111.968 111.968 106.801 106.801 106.801 111.963 119.063 76.000 106.532 103.682 203.694 203.491 177.930 153.173 102.610 SODDING AREA (M²) 5.14 0.87 3.16 1.58 2.61 4.66 4.98 5.61 LENGTH (M) 929.646 929.646 929.646 929.646 1266.962 1266.962 3516.077 3516.077 3516.077 4883.023 6053.561 6053.561 6053.561 6053.561 6053.561 6053.561 6053.561 6053.561 6053.361 6053.361 6053.361 6053.361 6053.361 6053.361 834.878 ACAREA (M²) 6053.561 Clearing and Grubbing 0.000 AREA (M²) LENGTH (M) (M) 49.643 55.466 47.049 37.717 44.950 56.037 43.296 58.395 58.395 64.869 56.933 63.828 60.271 37.073 37.266 42.892 66.195 29.570 42.207 46.273 51.643 50.046 55.546 55.546 57.635 57.635 33.976 DISTANCE WF. 132 WF. 134 WF. 134 WF. 135 WF. 137 WF. 137 WF. 139 WF- 140 WF- 141 WF- 143 WF- 144 WF- 146 WF- 146 WF- 127 WF- 128 WF- 129 WF- 131 WF- 148 WF- 149 WF- 150 WF- 147 WF- 151 WF- 152 WF- 153 WF- 155 WF- 156 WF- 159 WF- 160 WF- 161 WF- 162 WF- 163 WF- 164 WF- 158 X-SECT NO.

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 | 221.920
 | 405.180 | 538.845 | 622.782 | 721.504 | | |
| e do r to Sunde | VOLUME | (M ²) | 0.000 | 0000 | 0.000 | 0000 | 0.000 | 0.000 | 0.000

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 | 221.920
 | 183,260 | 133.665 | 83 937 | 98.722 | | |
| lune | AREA | (M²) | 0.00 | 00:0 | 00.00 | 00:00 | 00.00 | 00.0 | 00:00

 | 00:00

 | 00:0

 | 00.00 | 00.00

 | 00:0 | 00'0 | 00.00
 | 00'0
 | 00'0 | 00'0
 | 4.75
 | 5.05 | 1.65 | 2.13 | 2.30 | | |
| | AC.AREA | (M ²) | 8654.783 | 8739.862 | 8920.590 | 9129.842 | 9352.754 | 9583.626 | 9834.028

 | 10005.065

 | 10111.632

 | 10198.922 | 10237.262

 | 10237.262 | 10291.486 | 10421.417
 | 10601.718
 | 10885.243 | 11496.774
 | 13011.904
 | 13726.244 | 14241.951 | 14541.457 | 14897.747 | | |
| Symmon | AREA | (M²) | 69.673 | 82:028 | 180.728 | 209.252 | 222.912 | 230.872 | 250.402

 | 171.037

 | 106.567

 | 87.290 | 38.340

 | 0000 | 54.224 | 129.931
 | 180:301
 | 283.525 | 611.531
 | 1515.130
 | 714,340 | 515.708 | 299.505 | 356.291 | | |
| | LENGTH | (M) | 3.24 | 3.16 | 4.74 | 4.74 | 3.64 | 5.06 | 4.19

 | 2.61

 | 1.11

 | 2.13 | 2.13

 | 1.66 | 1.66 | 4.00
 | 3.31
 | 7.00 | 14.08
 | 18.35
 | 19.85 | 00.9 | 7.47 | 8.50 | | |
| 2 | AC.AREA | (M²) | 6053.561 | 195'8509 | 6053.561 | 6053.561 | 6053.561 | 6053.561 | 6053.561

 | 6053,561

 | 6053,561

 | 6053.561 | 6053.561

 | 6053.561 | 6053.561 | 6197.036
 | 6438.999
 | 6710.699 | 7259.859
 | 8736.678
 | 9469.718 | 10004.378 | 10340,126 | 10735.013 | | |
| mg and order | AREA | (M²) | 0.000 | 0000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000

 | 0.000

 | 0.000

 | 0.000 | 0.000

 | 0.000 | 0.000 | 143.475
 | 241.964
 | 271.700 | 549.159
 | 1476.819
 | 733.040 | 534.660 | 335.749 | 394.887 | | |
| Clear | LENGTH | (M) | 0.00 | 0.00 | 00.0 | 00:0 | 00:0 | 00.0 | 00:0

 | 00:0

 | 00.0

 | 00.0 | 00.0

 | 00:0 | 00:0 | 6.25
 | 3.56
 | 6.32 | 12.61
 | 19.00
 | 20.20 | 09'9 | 8.50 | 9.20 | | |
| DISTANCE | | (X) | 43.008 | 26.587 | 45.754 | 44.146 | 53.201 | 53.074 | 54.141

 | 50:305

 | 57.294

 | 53.883 | 18.000

 | 0.000 | 32.665 | 45.912
 | 49.330
 | 25.000 | 58.020
 | 93.440
 | 37.400 | 39.900 | 44,470 | 44:620 | | |
| | X-SECT NO. | | WF- 165 | WF- 166 | WF- 167 | WF- 168 | WF- 169 | WF- 170 | WF- 171 >

 | WF- 172

 | Ground sill WF- 173

 | WF- 174 | Toll Bridge / WF. 174+180

 | WF- 174+180 | WF- 175 | WF- 176
 | WF- 177
 | WF- 178 | WF- 179
 | WF-180
 | WF- 181 | WF- 182 | WF- 183 | WF- 184 | | |
| | DISTANCE | AREA ACAREA LENGTH AREA ACAREA AREA VOLUME | DISTANCE LENGTH AREA ACAREA LENGTH AREA ACAREA AREA VOLUME (M) (M) (M^2) (M^2) (M^3) | DISTANCE | DISTANCE LENGTH AREA ACAREA LENGTH AREA ACAREA ACA | DISTANCE LENGTH AREA ACAREA LENGTH AREA ACAREA ACA | DISTANCE LENGTH AREA ACAREA LENGTH AREA ACAREA ACA | DISTANCE LENGTH AREA LENGTH AREA ACAREA LENGTH AREA ACAREA ACAREA | DISTANCE LENGTH AREA LENGTH AREA ACAREA LENGTH AREA ACAREA ACLAREA ACLAREA <th>DISTANCE LENGTH AREA ACAREA LENGTH AREA ACAREA ACAREA<th>DISTANCE LENGTH AREA ACAREA LENGTH AREA ACAREA ACAREA<th>DISTANCE LENGTH AREA ACAREA ACACAREA ACACARE</th><th>DISTANCE LENGTH AREA ACAREA ACAREA AREA ACAREA ACAREA ACAREA ACLOREA ACLOREA<!--</th--><th>DISTANCE LENGTH AREA ACAREA LENGTH AREA ACAREA ACAREA ACAREA ACAREA ACORDING ACORDING</th><th>DISTANCE LENGTH AREA ACAREA LENGTH AREA ACAREA ACAREA ACAREA ACORDANCE CM*) (M*) (M*)</th><th>DISTANCE LENGTH AREA ACAREA LENGTH AREA ACLAREA AREA ACLAREA 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