

ANNEX-1 DESIGN QUANTITY CALCULATION

STA	Items											Median (Slow Speed Lane) W=1.5m (m)			
	Gravity Wall (m)	Bus Lay-by (m ²)	Side Walk (m ²)	Access Road (m ²)	Boundary block (m)	L-Side ditch (m)	Pipe culvert D300 (m)	Pipe culvert D1500 (m)	Catch Pit (nos)	Manhole (nos)	Road Mark (m ²)		Gurd/Rail (m)	Tree Plant (nos)	Median (High Speed Lane) W=1.0m (m)
0+000 - 0+750	L	100	1,590	105	530	1,060	51	530	17	17	627		530	530	1,060
	R	100	1,590	35	530	1,060	51	530	17	17	-		-	530	1,060
0+750 - 1+400	L	100	1,860	105	620	1,240	60	620	20	20	741		620	620	1,240
	R	100	1,860	140	620	1,240	60	620	20	20	-		-	620	1,240
1+400 - 2+800	L	100	4,200	315	1,400	2,800	141	1,400	47	47	1,596		1,400	1,400	2,800
	R	100	4,200	350	1,400	2,800	141	1,400	47	47	-		-	1,400	2,800
2+800 - 3+700	L	200	2,700	245	1,220	1,800	91	900	30	30	1,026	200	900	900	1,600
	R	200	2,700	245	1,220	1,800	91	900	30	30	-	200	-	900	1,600
3+700 - 5+600	L	150	5,430	455	1,490	3,620	182	1,810	61	61	2,166	250	1,810	1,810	3,470
	R	100	5,430	350	1,490	3,620	182	1,810	61	61	-	200	-	1,810	3,470
5+600 - 7+000	L	100	4,200	210	1,400	2,800	141	1,400	47	47	1,596		1,400	1,400	2,800
	R	100	4,200	455	1,400	2,800	141	1,400	47	47	-		-	1,400	2,800
7+000 - 8+400	L	50	4,200	280	1,400	2,800	141	1,400	47	47	1,596	50	1,400	1,400	2,750
	R	50	4,200	455	1,400	2,800	141	1,400	47	47	-	50	-	1,400	2,750
8+400 - 9+800	L	50	4,350	175	1,450	2,900	147	1,450	49	49	1,596	50	1,450	1,450	2,850
	R	50	4,350	245	1,450	2,900	147	1,450	49	49	-	50	-	1,450	2,850
9+800 - 11+200	L	100	4,050	210	1,350	2,700	135	1,350	45	45	1,596		1,350	1,350	2,700
	R	100	4,050	350	1,350	2,700	135	1,350	45	45	-	50	-	1,350	2,650
11+200 - 12+600	L	100	4,200	140	1,400	2,800	141	1,400	47	47	1,596		1,400	1,400	2,800
	R	100	4,200	280	1,400	2,800	141	1,400	47	47	-		-	1,400	2,800
12+600 - 14+000	L	275	4,650	140	1,550	3,100	156	1,550	52	52	1,596	275	1,550	1,550	2,825
	R	200	4,650	385	1,550	3,100	156	1,550	52	52	-	200	-	1,550	2,900
14+000 - 14+650	L	125	1,560	105	520	1,040	54	520	18	18	741	125	520	520	915
	R	100	1,560	175	520	1,040	54	520	18	18	-	-	-	520	1,040
14+650 - 15+500	L	-	2,490	105	830	1,660	84	830	28	28	989		830	830	1,660
	R	-	2,490	140	830	1,660	84	830	28	28	-		-	830	1,660
Total (Unp Sumoharjo)		400	20,700	1,540	7,540	13,800	686	6,900	228	228	3,990	400	3,450	6,900	13,400
Total (Perintis)		1,000	70,260	4,655	22,780	46,840	2,362	23,420	788	788	13,452	1,300	11,710	23,420	45,840
Grand Total		1,400	90,960	6,195	30,320	60,640	3,048	30,320	1,016	1,016	17,442	1,700	15,160	30,320	59,240

Note: Following retaining wall section are deducted from above quantities.

STA.
Installation
length
3+475 - 3+675 200 both side
3+875 - 4+025 150 left side
7+075 - 7+125 50 both side
8+575 - 8+625 50 right side
8+875 - 8+925 50 left side
10+825 - 10+875 50 right side
13+725 - 13+775 50 left side
13+775 - 13+975 200 both side
13+975 - 14+125 150 left side

TOTAL EARTH WORK QUANTITY		UNIT
CUT (COMULATIVE VOLUME)	159,921	m3
FILL (COMULATIVE VOLUME)	181,028	m3

A. EARTH WORK QUANTITY OF JL. URIPSUMOHARJO

CUT (COMULATIVE VOLUME)	25,610	m3
FILL (COMULATIVE VOLUME)	31,373	m3

Deduct from STA. 0+000 to STA. 0+200 and Pampang River bridge Section

Deduct from STA. 0+000 to STA. 0+201 and Pampang River bridge Section

B. EARTH WORK QUANTITY OF JL. PERINTIS

CUT (COMULATIVE VOLUME)	134,311	m3
FILL (COMULATIVE VOLUME)	149,656	m3

Deduct Tello River bridge Section

Deduct Tello River bridge Section

EARTH WORK QUANTITY OF JL. URIPSUMOHARJO

STA.	CUT (AREA) m2	FILL (AREA) m2	CUT (VOLUME) m3	FILL (VOLUME) m3	CUT (COMULATIVE VOLUME) m3	FILL (COMULATIVE VOLUME) m3
0+000	7.2412	0.5828				
0+050	10.1584	0.5151	434.9889	27.4416	434.9889	27.4416
0+100	9.9326	0.4946	502.2736	25.2403	937.2625	52.6818
0+150	6.8711	0.5028	420.0913	24.834	1357.3538	77.6158
0+200	5.2356	0.7646	302.6674	31.6856	1660.0212	109.3014
0+250	4.0993	0.9654	233.3728	43.2756	1893.3939	152.577
0+300	2.3632	1.5808	161.5631	63.6791	2054.9571	216.2561
0+350	2.0194	4.77	109.5672	158.7693	2164.5242	375.0254
0+400	1.3953	10.9562	85.3678	393.1544	2249.892	768.1798
0+450	1.5012	11.816	72.4114	569.3052	2322.3034	1337.485
0+500	1.6209	11.7201	78.0509	588.4029	2400.3543	1925.8978
0+550	1.7457	11.7164	84.1627	585.9125	2484.517	2511.8003
0+600	1.8756	12.1398	90.5309	596.4057	2575.0479	3108.206
0+650	1.9609	12.5115	95.9124	616.2825	2670.9602	3724.4886
0+700	2.1179	11.9526	101.9695	611.6016	2772.9298	4336.0901
0+750	0	63.0077	52.9468	1874.0076	2825.8765	6210.0977
0+800	0.3933	18.9124	9.8333	2048.0034	2835.7098	8258.1011
0+850	0.4479	19.3009	21.0318	955.3314	2856.7416	9213.4326
0+900	0.5085	19.2877	23.9116	984.7131	2880.6533	10178.1457
0+950	1.4532	15.3211	49.0442	865.2201	2929.6974	11043.3658
1+000	1.3958	16.5454	71.2259	796.6642	3000.9233	11840.03
1+050	3.4252	1.5373	120.5243	452.0688	3121.4476	12292.0988
1+100	5.4969	0.4216	223.0523	48.9738	3344.4999	12341.0728
1+150	5.1496	0.6357	266.1631	26.4325	3610.6531	12367.5052
1+200	21.3219	0.0012	661.7981	15.9224	4272.4512	12383.4276
1+250	16.3733	0.1588	942.3808	3.9995	5214.832	12387.4271
1+300	9.288	0.9897	641.5329	28.712	5856.3649	12416.1391
1+350	13.5652	0.0633	571.331	26.326	6427.6959	12442.4651
1+400	21.1328	0	867.4511	1.5831	7295.1471	12444.0482
1+450	16.3598	0	937.3156	0	8232.4626	12444.0482
1+500	15.4142	0	794.3508	0	9026.8134	12444.0482
1+550	15.2945	0	767.7177	0	9794.5312	12444.0482
1+600	13.8654	0.0149	728.9969	0.3728	10523.528	12444.421
1+650	12.8477	0.0947	667.8277	2.7413	11191.3557	12447.1623
1+700	6.2507	0.3293	477.4609	10.6013	11668.8165	12457.7637
1+750	3.1418	1.0873	234.8133	35.4153	11903.6299	12493.179
1+800	1.1335	2.915	106.8821	100.0576	12010.512	12593.2366
1+850	0.0467	8.561	29.5037	286.8999	12040.0157	12880.1365
1+900	2.5022	13.768	63.722	558.2245	12103.7377	13438.361
1+950	7.3866	20.2707	247.2194	850.9672	12350.9571	14289.3282
2+000	4.0493	3.7495	285.8963	600.5059	12636.8555	14889.8341
2+050	8.8098	0.1316	321.479	97.0288	12958.3345	14986.8629
2+100	3.1644	1.4655	299.3553	39.9272	13257.6898	15026.79
2+150	6.234	0.41	234.9613	46.8867	13492.6511	15073.6768
2+200	3.2863	0.7965	238.0078	30.2119	13730.6589	15103.8886
2+250	0.3361	6.2609	90.5596	176.4848	13821.2185	15280.3734
2+300	0	46.3771	8.403	1365.9504	13829.6215	16646.3238
2+350	0	42.3966	0	2269.3432	13829.6215	18915.6669
2+400	1.5352	9.3392	38.3802	1293.3959	13868.0017	20209.0629
2+450	17.1778	0	467.6264	233.4802	14335.8261	20442.5431
2+500	17.6933	0	871.778	0	15207.6061	20442.5431
2+550	11.0269	0.1415	718.0048	3.5363	15925.611	20446.0794
2+600	2.6314	6.9476	341.4571	177.226	16267.0681	20623.3054
2+650	0.2658	15.9105	72.4282	571.4522	16339.4964	21194.7576
2+700	0.9039	12.4225	29.2409	708.3251	16368.7373	21903.0828
2+750	4.1184	4.7712	125.5571	429.8426	16494.2945	22332.9253
2+800	5.0799	22.9954	229.9568	694.1659	16724.2513	23027.0913
2+850	2.4599	16.4125	188.4933	985.1993	16912.7446	24012.2906
2+900	6.3888	16.022	221.2159	810.8627	17133.9605	24823.1533
2+950	5.6827	20.9017	301.7855	923.0925	17435.746	25746.2458
3+000	0	29.3243	142.0664	1255.6513	17577.8124	27001.8971
3+050	0	20.1663	0	1237.2668	17577.8124	28239.1638
3+100	1.1828	6.58	29.5694	668.6582	17607.3818	28907.822
3+150	12.1658	0.0464	333.7133	165.6588	17941.0951	29073.4808
3+200	2.9089	1.8019	376.8668	46.2078	18317.9619	29119.6886
3+250	24.1787	0	677.1893	45.0486	18995.1512	29164.7372
3+300	22.9679	0	1178.864	0	20173.8152	29164.7372
3+350	5.574	1.0713	713.5473	26.7827	20887.3625	29191.5199
3+400	6.8957	9.3469	311.7412	260.4544	21199.1037	29451.9743
			426.1718	580.801	21625.2755	30032.7753

3+450	10.1512	13.8852	685.2364	614.8081	22310.5119	30647.5834
3+500	17.2582	10.7071	794.4574	609.2465	23104.9693	31256.8299
3+550	14.6507	13.5006	1086.7866	607.5318	24193.7559	31864.3617
3+600	29.4043	10.2494	1744.3398	424.6916	25938.0957	32289.0532
3+650	41.4986	6.205	1363.6636	316.9481	27301.7593	32606.0013
3+700	13.4432	6.4659			27.302	32.606
Total (Unio Sumoharjo)						

EARTH WORK QUANTITY OF JL. PERINTIS KEMERDEKAAN

STA.	CUT (AREA) m2	FILL (AREA) m2	CUT (VOLUME) m3	FILL (VOLUME) m3	CUT (COMULATIVE VOLUME) m3	FILL (COMULATIVE VOLUME) m3
3+700	13.4432	6.4859	336.2481	831.2353	336.2481	831.2353
3+750	0	27.5892	0	2269.7966	336.2481	3101.0319
3+800	0	64.3994	0	2677.4407	336.2481	5778.4726
3+850	0	43.7403	454.0602	1387.4324	790.3083	7165.905
3+900	17.882	12.3523	1025.4407	394.0609	1815.749	7559.9659
3+950	24.277	3.2876	1368.5195	231.3883	3184.2685	7791.3542
4+000	31.0522	5.904	776.304	1688.4032	3960.5725	9479.7574
4+050	0	61.6321	781.4397	2352.5378	4742.0122	11832.2952
4+100	31.2576	32.4694	1132.1659	1482.1602	5874.1781	13314.4554
4+150	14.0291	26.817	708.7407	1278.8601	6582.9188	14593.3155
4+200	14.3206	24.3374	373.6123	945.724	6956.5311	15539.0395
4+250	0.6239	13.4916	16.399	486.5852	6972.9301	16025.6247
4+300	0.032	5.9718	0.9677	343.7031	6973.8978	16369.3278
4+350	0.0067	7.7763	0.1667	541.1856	6974.0645	16910.5134
4+400	0	13.8711	0	1061.1303	6974.0645	17971.6437
4+450	0	28.5741	0	1313.7383	6974.0645	19285.382
4+500	0	23.9754	130.5039	1014.2779	7104.5684	20299.6599
4+550	5.2202	16.5957	412.0022	590.8947	7516.5706	20890.5546
4+600	11.1762	7.2294	570.2584	375.0741	8086.829	21265.6287
4+650	11.3022	8.2893	285.7707	961.0245	8372.5997	22226.6532
4+700	0	31.4852	0	1109.3599	8372.5997	23336.0131
4+750	0	13.3132	1.4509	474.0634	8374.0506	23810.0765
4+800	0.058	5.6493	42.7391	235.0468	8416.7897	24045.1233
4+850	1.6548	3.7366	124.8513	218.9286	8541.641	24264.0519
4+900	3.3393	5.0204	424.0455	125.5098	8965.6865	24389.5617
4+950	13.6225	0	886.6635	0	9854.35	24389.5617
5+000	21.924	0	1038.0085	2.7318	10892.3585	24392.2935
5+050	19.5963	0.1093	489.9085	209.3408	11382.267	24601.6343
5+100	0	8.2644	7.7338	320.4151	11390.008	24922.0494
5+150	0.3094	4.5522	43.9887	176.0692	11433.9895	25098.1186
5+200	1.4502	2.4905	103.6227	95.5841	11537.6122	25193.7027
5+250	2.6947	1.3328	162.1439	54.1695	11699.7561	25247.8722
5+300	3.791	0.8339	204.5926	37.138	11904.3487	25285.0102
5+350	4.3927	0.6516	219.0521	32.7349	12123.4008	25317.7451
5+400	4.3694	0.6578	210.0124	35.3371	12333.4132	25353.0822
5+450	4.0311	0.7557	193.3701	40.5005	12526.7833	25393.5827
5+500	3.7037	0.8643	177.2779	46.2033	12704.0612	25439.786
5+550	3.3874	0.9838	148.7657	60.2835	12852.8269	25500.0695
5+600	2.5632	1.4275	112.5833	101.4156	12965.4102	25601.4851
5+650	1.9401	2.6291	93.7882	137.1805	13059.1984	25738.6856
5+700	1.8114	2.8581	103.1975	112.5684	13162.3959	25851.234
5+750	2.3165	1.6446	149.8536	64.2025	13312.2495	25915.4365
5+800	3.6777	0.9235	200.9845	40.2349	13513.234	25955.6714
5+850	4.3617	0.6859	168.0623	73.6336	13681.2963	26029.305
5+900	2.3608	2.2595	217.1887	65.8301	13898.485	26095.1351
5+950	6.3268	0.3737	175.4269	129.1892	14073.9119	26224.3243
6+000	0.6903	4.7938	297.9736	147.8605	14371.8855	26372.1848
6+050	11.3189	1.108	388.2209	473.3486	14760.1064	26845.5334
6+100	4.8572	17.6921	384.274	753.5956	15144.3804	27599.129
6+150	10.7473	12.5548	537.4779	322.0064	15681.8583	27921.1354
6+200	10.3178	0.3527	483.6066	11.5984	16165.4649	27932.7338
6+250	9.1852	0.1112	395.4529	41.0385	16560.9178	27973.7723
6+300	6.6329	1.5303	398.7636	140.2065	16959.6814	28113.9788
6+350	9.3176	4.0779	446.7371	109.5511	17406.4185	28223.5299
6+400	8.5519	0.3041	263.8655	212.9621	17670.284	28436.492
6+450	2.0028	8.2144	143.5592	257.4421	17813.8432	28693.9341
6+500	3.7396	2.0833	144.327	97.6507	17958.1702	28791.5848
6+550	2.0335	1.8227	56.0227	175.2267	18014.1929	28966.8115
6+600	0.2074	5.1864	54.2767	177.6158	18068.4696	29144.4273
6+650	1.9636	1.9183	86.1208	317.8788	18154.5904	29462.1061
6+700	1.4812	10.7889	208.5547	559.4853	18363.1451	30021.5914
6+750	6.861	11.5905	1093.8818	289.7634	19457.0269	30311.3548
6+800	36.8943	0	1071.6488	22.9327	20528.6757	30334.2875
6+850	5.9717	0.9173	181.7743	293.9773	20710.45	30628.2648
6+900	1.2993	10.8418	38.97	419.3968	20749.42	31047.6616
6+950	0.2595	5.9341	6.4874	734.4894	20755.9074	31782.151
7+000	0	23.4455	909.3695	636.1483	21665.2769	32418.2993
7+050	35.9919	3.0205	2136.4246	275.8929	23801.7015	32694.1922
7+100	48.052	8.7585	2412.1754	204.4323	26213.8769	32898.6245

7+150	47.7588	0.0005	1982.5045	375.1376	28196.3814	33273.7621
7+200	31.5419	14.9988				
7+250	11.1107	7.9645	1066.3144	574.0826	29262.6958	33847.8447
7+300	0	9.9556	277.767	448.0036	29540.4628	34295.8483
7+350	0.1077	21.466	2.6915	785.5416	29543.1543	35081.3899
7+400	0	24.0571	2.6915	1138.0785	29545.8458	36219.4684
7+450	0	18.6927	0	1068.746	29545.8458	37288.2144
7+500	4.7859	4.2974	119.6477	574.7525	29665.4935	37862.9669
7+550	20.2979	21.6357	627.0956	648.3262	30292.5891	38511.2931
7+600	18.423	18.7724	968.0242	1010.2006	31260.6133	39521.4937
7+650	15.7895	25.034	855.3136	1093.8485	32115.9269	40615.3422
7+700	34.0132	0.0004	1239.806	646.9481	33355.7329	41262.2903
7+750	30.1365	0	1594.3842	0.0115	34950.1171	41262.3018
7+800	35.4639	0	1627.6083	0	36577.7254	41262.3018
7+850	61.1021	0	2420.0478	0	38997.7732	41262.3018
7+900	48.5592	0	2741.5336	0	41739.3068	41262.3018
7+950	18.6053	0	1679.1139	0	43418.4207	41262.3018
8+000	14.1885	0.9943	819.3453	24.8578	44237.766	41287.1596
8+050	24.6209	1.2504	969.7351	56.1185	45207.5011	41343.2781
8+100	41.4083	0	1650.7293	31.2607	46858.2304	41374.5388
8+150	53.6033	0	2375.2891	0	49233.5195	41374.5388
8+200	60.6743	0	2856.9407	0	52090.4602	41374.5388
8+250	34.6012	0	2381.8896	0	54472.3498	41374.5388
8+300	17.1937	0	1294.8741	0	55767.2239	41374.5388
8+350	6.1252	0.456	582.9721	11.3991	56350.196	41385.9379
8+400	21.9148	0	700.9991	11.3991	57051.1951	41397.337
8+450	43.7083	0	1640.5772	0	58691.7723	41397.337
8+500	19.5765	16.909	1582.1199	422.7246	60273.8922	41820.0616
8+550	18.0375	18.7775	940.3505	892.1621	61214.2427	42712.2237
8+600	42.2474	4.4713	1507.1238	581.2208	62721.3665	43293.4445
8+650	28.2805	2.285	1763.1978	168.909	64484.5643	43462.3535
8+700	5.1851	0.8458	842.6461	77.5725	65327.2104	43539.926
8+750	3.2053	1.4159	190.1018	56.0054	65517.3122	43595.9314
8+800	3.2071	6.1282	139.1795	185.1601	65655.4917	43781.0915
8+850	9.66	12.8863	327.7943	459.8079	65984.286	44240.8994
8+900	5.198	21.4916	370.3934	861.731	66354.6794	45102.6304
8+950	20.9585	0.047	653.9122	538.4627	67008.5916	45641.0931
9+000	17.2873	20.1626	956.1446	505.2387	67964.7362	46146.3318
9+050	17.3969	17.176	867.1035	933.4645	68831.8397	47079.7963
9+100	44.6323	0.2562	1550.7302	435.8058	70382.5699	47515.6021
9+150	37.052	0.2223	2042.1081	11.963	72424.678	47527.5651
9+200	32.8158	0.1044	1746.6553	8.1678	74171.3733	47535.7329
9+250	25.6018	0.0155	1460.4408	2.9993	75631.8141	47538.7322
9+300	5.2983	20.3126	772.5027	508.2039	76404.3168	48046.9361
9+350	2.6775	28.0474	199.3957	1209	76603.7125	49255.9361
9+400	1.2029	30.3018	97.0096	1458.7284	76700.7221	50714.6645
9+450	2.7963	10.9056	99.9787	1030.1837	76800.7008	51744.8482
9+500	1.1774	9.124	99.3422	500.7398	76900.043	52245.588
9+550	1.2144	8.4071	59.7938	438.2769	76959.8368	52683.8649
9+600	0.9328	6.1191	53.6783	363.1548	77013.5151	53047.0197
9+650	3.7959	0.8323	118.2161	173.7851	77131.7312	53220.8048
9+700	8.7024	6.2295	313.7405	175.0973	77445.4718	53395.9021
9+750	18.9546	3.5745	704.7639	233.7039	78150.2357	53629.606
9+800	25.6037	0	1122.4736	87.2848	79272.7093	53716.8908
9+850	0	30.9113	640.0919	772.8121	79912.8012	54489.7029
9+900	12.1691	0.1781	307.9667	789.2334	80220.7679	55258.9363
9+950	6.6831	15.2035	487.854	375.49	80708.6219	55834.4263
1 0+000	17.5296	10.5103	605.3181	642.8451	81313.94	56277.2714
1 0+050	45.3213	0.4256	1571.2719	273.3983	82885.2119	56550.6697
1 0+100	22.6234	0	1698.6172	10.6399	84583.8291	56561.3096
1 0+150	12.6398	0.0996	881.5794	2.4904	85465.4085	56563.8
1 0+200	6.7399	0.9973	484.4932	27.4221	85949.9017	56591.2221
1 0+250	3.1055	0.988	246.1366	49.6328	86196.0383	56640.8549
1 0+300	0	14.0635	77.638	376.2889	86273.6763	57017.1438
1 0+350	0	10.7943	0	621.4451	86273.6763	57638.5889
1 0+400	6.2262	0.3303	155.6547	278.1149	86429.331	57916.7038
1 0+450	2.6526	6.9326	221.9697	181.5718	86651.3007	58098.2756
1 0+500	0	37.4346	66.315	1109.18	86717.6157	59207.4556
1 0+550	0	33.3643	0	1769.9735	86717.6157	60977.4291
1 0+600	0	20.4468	0	1345.2783	86717.6157	62322.7074
1 0+650	0.805	12.829	20.1247	831.8959	86737.7404	63154.6033
1 0+700	0	34.0073	20.1247	1170.9072	86757.8651	64325.5105
1 0+750	1.6792	12.8362	41.9794	1171.0871	86799.8445	65496.5976
1 0+800	22.9912	14.271	616.7584	677.6813	87416.6029	66174.2789

1 0+850	46.4699	3.3829	1736.5253	441.3485	89153.1282	66615.6274
1 0+900	9.0354	0.1094	1387.6317	87.3076	90540.7599	66702.935
1 0+950	5.9982	6.7263	373.5253	171.5084	90914.2862	66874.4434
1 1+000	0	19.6921	146.6933	671.737	91060.9795	67546.1804
1 1+050	0	27.069	0	1173.1841	91060.9795	68719.3645
1 1+100	0	38.2648	0	1633.3442	91060.9795	70352.7087
1 1+150	0	52.9268	0	2279.7897	91060.9795	72632.4984
1 1+200	0	36.2284	0	2228.8805	91060.9795	74861.3789
1 1+250	0	39.4307	0	1891.4776	91060.9795	76752.8565
1 1+300	0	29.6845	0	1727.8796	91060.9795	78480.7361
1 1+350	0	11.5474	0	1030.797	91060.9795	79511.5331
1 1+400	13.843	0	346.0761	288.6838	91407.0556	79800.2169
1 1+450	2.0829	1.469	398.1489	36.7258	91805.2045	79836.9427
1 1+500	0	15.0718	52.0728	413.5215	91857.2773	80250.4642
1 1+550	0	41.3178	0	1409.7412	91857.2773	81660.2054
1 1+600	0	78.9102	0	3005.7015	91857.2773	84665.9069
1 1+650	14.0709	0.0024	351.7731	1972.816	92209.0504	86638.7229
1 1+700	3.9941	9.2251	451.6261	230.6888	92660.6765	86869.4117
1 1+750	1.9243	24.726	147.9606	848.7782	92608.6371	87718.1899
1 1+800	0.1099	28.7537	50.8553	1336.9917	92859.4924	89055.1816
1 1+850	0.365	18.6197	11.872	1184.3342	92871.3644	90239.5158
1 1+900	0	13.5312	9.1242	803.7725	92880.4886	91043.2883
1 1+950	1.508	10.6458	37.7006	604.4259	92918.1892	91647.7142
1 2+000	0.3364	20.0801	46.11	768.1473	92964.2992	92415.8615
1 2+050	4.0595	7.4722	109.8962	688.807	93074.1954	93104.6685
1 2+100	8.5212	21.435	314.5157	722.6799	93388.7111	93827.3484
1 2+150	0.0953	22.8598	219.3195	1099.9437	93608.0306	94927.2921
1 2+200	9.8253	12.238	255.5309	867.1829	93863.5615	95794.475
1 2+250	4.949	11.3998	379.9719	582.342	94243.5334	96376.817
1 2+300	0.3251	15.5755	135.9432	664.8757	94379.4766	97041.6927
1 2+350	0	37.2092	8.257	1299.3815	94387.7336	98341.0742
1 2+400	13.0558	4.7243	329.3477	1029.5292	94717.0813	99370.6034
1 2+450	43.6062	0	1429.2426	116.9069	96146.3239	99487.5103
1 2+500	35.3711	0	1975.8278	0	98122.1517	99487.5103
1 2+550	0.0117	12.5201	894.9628	310.9379	99017.1145	99798.4482
1 2+600	0	73.383	0.2916	2147.5779	99017.4061	101946.0261
1 2+650	0	50.7394	0	3103.0512	99017.4061	105049.0873
1 2+700	0	37.7545	0	2212.3477	99017.4061	107261.435
1 2+750	0	39.7057	0	1936.5061	99017.4061	109197.9411
1 2+800	0	44.2289	0	2098.3667	99017.4061	111296.3078
1 2+850	0	60.221	0	2611.2488	99017.4061	113907.5586
1 2+900	0.3328	24.6885	8.319	2122.738	99025.7251	116030.2946
1 2+950	36.7739	0	927.6664	617.2125	99953.3915	116647.5071
1 3+000	23.6595	10.9767	1517.74	271.4884	101471.1315	116918.9955
1 3+050	26.6788	6.0599	1259.8053	421.1232	102730.9368	117340.1187
1 3+100	20.9074	16.3975	1189.0359	567.0981	103919.9727	117907.2168
1 3+150	34.4787	0	1378.465	414.0736	105298.4377	118321.2904
1 3+200	50.8044	0	2118.7265	0	107417.1642	118321.2904
1 3+250	33.8544	6.2038	2104.6995	156.804	109521.8637	118478.0944
1 3+300	22.5674	9.411	1411.1645	389.5241	110933.0282	118867.6185
1 3+350	21.726	13.9959	1107.3368	585.1727	112040.365	119452.7912
1 3+400	21.3721	16.1669	1077.4538	754.0722	113117.8188	120206.8634
1 3+450	27.1452	0	1212.9319	404.1737	114330.7507	120611.0371
1 3+500	0	8.218	678.6291	205.4504	115009.3798	120816.4875
1 3+550	3.5585	21.2638	88.9826	737.0458	116098.3424	121653.5333
1 3+600	0	30.6953	88.9826	1298.9776	115187.305	122852.5109
1 3+650	0	0	0	767.3821	115187.305	123619.893
1 3+700	28.166	16.6037	704.149	415.0921	115891.454	124034.9851
1 3+750	0	50.0693	704.149	1666.8242	116595.603	125701.8093
1 3+800	4.8716	30.1803	121.7897	2006.2386	116717.3927	127708.0479
1 3+850	2.0347	43.4025	172.6565	1839.5688	116890.0482	129547.6167
1 3+900	4.5161	43.8509	163.7887	2181.3348	117053.8179	131728.9515
1 3+950	11.064	25.0226	389.5025	1721.8369	117443.3204	133450.7884
1 4+000	20.9288	5.6112	799.8214	765.8434	118243.1418	134216.6318
1 4+050	16.1129	6.0158	926.0443	290.6743	119169.1861	134507.3061
1 4+100	10.8718	25.7957	674.819	795.2879	119843.8051	135302.594
1 4+150	0	41.0511	271.7955	1671.1712	120115.6006	136973.7652
1 4+200	0	11.6772	0	1318.2075	120115.6006	138291.9727
1 4+250	29.2974	0	734.3949	291.1665	120849.9955	138583.1392
1 4+300	39.8292	0	1728.1648	0	122578.1603	138583.1392
1 4+350	41.214	0	2026.0801	0	124604.2404	138583.1392
1 4+400	28.493	0	1742.6748	0	126346.9152	138583.1392
1 4+450	23.8168	0	1307.7442	0	127654.6594	138583.1392
			913.9358	28.6553	128568.5952	138611.7945

1 4+500	12.7407	1.1462		326.13	447.2992	128894.7252	139059.0937
1 4+550	0.3045	16.7458					
1 4+600	0	26.6085		7.6136	1083.8567	128902.3388	140142.9504
1 4+650	0.1645	27.0322		4.1118	1341.0186	128906.4506	141483.969
1 4+700	0	46.8085		4.1118	1846.0186	128910.5624	143329.9876
1 4+750	0	40.4019		0	2180.2604	128910.5624	145510.248
1 4+800	1.7833	24.0866		44.5836	1612.213	128955.146	147122.461
1 4+850	6.6162	21.3894		209.9894	1136.9006	129165.1354	148259.3616
1 4+900	3.5913	24.7118		255.1891	1152.53	129420.3245	149411.8916
1 4+950	0.3206	5.2611		97.7993	749.3214	129518.1238	150161.213
1 5+000	0	25.3554		8.016	765.4111	129526.1398	150926.6241
1 5+050	1.9088	7.9546		47.7188	832.7501	129573.8586	151759.3742
1 5+100	6.3663	1.8119		206.876	244.1635	129780.7346	152003.5377
1 5+150	30.6942	0		926.5117	45.298	130707.2463	152048.8357
1 5+200	12.1246	0.0701		1070.4687	1.7535	131777.715	152050.5892
1 5+250	17.0655	0.1667		729.7507	5.9215	132507.4657	152056.5107
1 5+300	20.073	0		928.4604	4.168	133435.9281	152060.6787
1 5+350	17.2545	0.0084		933.1856	0.2106	134369.1117	152060.8893
1 5+400	8.8876	0.3691		653.5507	9.4385	135022.6624	152070.3278
1 5+450	0	0		222.189	9.2279	135244.8514	152079.5557
1 5+500	0	0		0	0	135244.8514	152079.5557
1 5+550	0	0		0	0	135244.8514	152079.5557
1 5+600	0	0		0	0	135244.8514	152079.5557
1 5+650	0	0		0	0	135244.8514	152079.5557
1 5+700	0	0		0	0	135244.8514	152079.5557
Total (Printis Kemerdekaan)						135.245	152.080

Project: Maminasata
 Alignment: Urip Sumoharjo-Perintis
 Start STA.0+000 to STA.15+500

PAVEMENT DESIGN QUANTITIES
 ITEMS Volume (m3)

Total	AC-WC	16,399 m3
	AC-BASE	12,653 m3
	BASE	35,493 m3
	SUB BASE	106,646 m3

Urip Smoharjo 0+000-3+700	AC-WC	3,791 m3
	AC-BASE	2,915 m3
	BASE	8,178 m3
	SUB BASE	24,572 m3

Deduct from STA. 0+000 to STA. 0+200
 Deduct from STA. 0+000 to STA. 0+201 and Pampang River bridge Section
 Deduct from STA. 0+000 to STA. 0+202 and Pampang River bridge Section
 Deduct from STA. 0+000 to STA. 0+203 and Pampang River bridge Section

Perintis 3+700-15+500	AC-WC	12,607 m3
	AC-BASE	9,738 m3
	BASE	27,315 m3
	SUB BASE	82,073 m3

Deduct Tello River bridge Section
 Deduct Tello River bridge Section
 Deduct Tello River bridge Section

Project: Maminasata
 Alignment: Perintis
 SURFACE: AC-WC, Adjustment: 1.000
 TEMPLATE END AREA VOLUME LISTING WITH CURVE CORRECTION

Station	Area (m2)	Volume (m3)	Tot. Vol. (m3)
0+000	1.080	54.020	54.020
0+050	1.080	54.020	108.040
0+100	1.080	54.020	162.060
0+150	1.080	54.020	216.080
0+200	1.080	54.020	270.100
0+250	1.080	54.020	324.120
0+300	1.080	54.020	378.140
0+350	1.080	54.020	432.160
0+400	1.080	54.020	486.180
0+450	1.080	54.020	540.200
0+500	1.080	54.020	594.220
0+550	1.080	54.020	648.240
0+600	1.080	54.020	702.260
0+650	1.080	54.020	756.280
0+700	1.080	54.020	810.300
0+750	1.080	54.020	864.320
0+800	1.080	54.020	918.340
0+850	1.080	54.020	972.360
0+900	1.080	54.020	1,026.380
0+950	1.080	54.020	1,080.400
1+000	1.080	54.020	1,134.420
1+050	1.080	54.020	1,188.440
1+100	1.080	54.020	1,242.460
1+150	1.080	54.020	1,296.480
1+200	1.080	54.020	1,350.500
1+250	1.080	54.020	1,404.520
1+300	1.080	54.020	1,458.540
1+350	1.080	54.020	1,512.560
1+400	1.080	54.020	1,566.580
1+450	1.080	54.020	1,620.600
1+500	1.080	54.020	1,674.620
1+550	1.080	54.020	1,728.640
1+600	1.080	54.020	1,782.660
1+650	1.080	54.020	1,836.680
1+700	1.080	54.020	1,890.700
1+750	1.080	54.020	1,944.720
1+800	1.080	54.020	1,998.740
1+850	1.080	54.020	2,052.760
1+900	1.080	54.020	2,106.780
1+950	1.080	54.020	2,160.800
2+000	1.080	54.020	2,214.820
2+050	1.080	54.020	2,268.840
2+100	1.080	54.020	2,322.860
2+150	1.080	54.020	2,376.880
2+200	1.080	54.020	2,430.900
2+250	1.080	54.020	2,484.920
2+300	1.080	54.020	2,538.940
2+350	1.080	54.020	2,592.960
2+400	1.080	54.020	2,646.980
2+450	1.080	54.020	2,701.000
2+500	1.080	54.020	2,755.020
2+550	1.080	54.020	2,809.040
2+600	1.080	54.020	2,863.060
2+650	1.080	54.020	2,917.080
2+700	1.080	54.020	2,971.100
2+750	1.080	54.020	3,025.120
2+800	1.080	54.020	3,079.140
2+850	1.080	54.020	3,133.160
2+900	1.080	54.020	3,187.180
2+950	1.080	54.020	3,241.200
3+000	1.080	54.020	3,295.220
3+050	1.080	54.020	3,349.240
3+100	1.080	54.020	3,403.260
3+150	1.080	54.020	3,457.280
3+200	1.080	54.020	3,511.300
3+250	1.080	54.020	3,565.320
3+300	1.080	54.020	3,619.340
3+350	1.080	54.020	3,673.350
3+400	1.080	54.020	3,727.380
3+450	1.080	54.020	3,781.400
3+500	1.080	54.020	3,835.420
3+550	1.080	54.020	3,889.440
3+600	1.080	54.020	3,943.460

Project: Maminasata
 Alignment: Perintis
 SURFACE: AC-WC, Adjustment: 1.000
 TEMPLATE END AREA VOLUME LISTING WITH CURVE CORRECTION

Station	Area (m2)	Volume (m3)	Tot. Vol. (m3)
3+650	1.080	54.020	3,997.480
3+700	1.080	54.020	4,051.500
3+750	1.080	54.020	4,105.520
3+800	1.080	54.020	4,159.540
3+850	1.080	54.020	4,213.560
3+900	1.080	54.020	4,267.580
3+950	1.080	54.020	4,321.600
4+000	1.080	54.020	4,375.620
4+050	1.080	54.020	4,429.640
4+100	1.080	54.020	4,483.660
4+150	1.080	54.020	4,537.680
4+200	1.080	54.020	4,591.700
4+250	1.080	54.020	4,645.720
4+300	1.080	54.020	4,699.740
4+350	1.080	54.020	4,753.760
4+400	1.080	54.020	4,807.780
4+450	1.080	54.020	4,861.800
4+500	1.080	54.020	4,915.820
4+550	1.080	54.020	4,969.840
4+600	1.080	54.020	5,023.860
4+650	1.080	54.020	5,077.880
4+700	1.080	54.020	5,131.900
4+750	1.080	54.020	5,185.920
4+800	1.080	54.020	5,239.940
4+850	1.080	54.020	5,293.960
4+900	1.080	54.020	5,347.980
4+950	1.080	54.020	5,402.000
5+000	1.080	54.020	5,456.020
5+050	1.080	54.020	5,510.040
5+100	1.080	54.020	5,564.060
5+150	1.080	54.020	5,618.080
5+200	1.080	54.020	5,672.100
5+250	1.080	54.020	5,726.120
5+300	1.080	54.020	5,780.140
5+350	1.080	54.020	5,834.160
5+400	1.080	54.020	5,888.180
5+450	1.080	54.020	5,942.200
5+500	1.080	54.020	5,996.220
5+550	1.080	54.020	6,050.240
5+600	1.080	54.020	6,104.260
5+650	1.080	54.020	6,158.280
5+700	1.080	54.020	6,212.300
5+750	1.080	54.020	6,266.320
5+800	1.080	54.020	6,320.340
5+850	1.080	54.020	6,374.360
5+900	1.080	54.020	6,428.380
5+950	1.080	54.020	6,482.400
6+000	1.080	54.020	6,536.420
6+050	1.080	54.020	6,590.440
6+100	1.080	54.020	6,644.460
6+150	1.080	54.020	6,698.480
6+200	1.080	54.020	6,752.500
6+250	1.080	54.020	6,806.520
6+300	1.080	54.020	6,860.540
6+350	1.080	54.020	6,914.560
6+400	1.080	54.020	6,968.580
6+450	1.080	54.020	7,022.600
6+500	1.080	54.020	7,076.620
6+550	1.080	54.020	7,130.640
6+600	1.080	54.020	7,184.660
6+650	1.080	54.020	7,238.680
6+700	1.080	54.020	7,292.700
6+750	1.080	54.020	7,346.720
6+800	1.080	54.020	7,400.740
6+850	1.080	54.020	7,454.760
6+900	1.080	54.020	7,508.780
6+950	1.080	54.020	7,562.800
7+000	1.080	54.020	7,616.820
7+050	1.080	54.020	7,670.840
7+100	1.080	54.020	7,724.860
7+150	1.080	54.020	7,778.880
7+200	1.080	54.020	7,832.900
7+250	1.080	54.020	7,886.920

Project: Maminasata
 Alignment: Perintis
 SURFACE: AC-WC, Adjustment: 1.000
 TEMPLATE END AREA VOLUME LISTING WITH CURVE CORRECTION

Station	Area (m2)	Volume (m3)	Tot. Vol. (m3)
7+300	1.080	54.020	7.940.940
7+350	1.080	54.020	7.994.960
7+400	1.080	54.020	8.048.980
7+450	1.080	54.020	8.103.000
7+500	1.080	54.020	8.157.020
7+550	1.080	54.020	8.211.040
7+600	1.080	54.020	8.265.060
7+650	1.080	54.020	8.319.080
7+700	1.080	54.020	8.373.100
7+750	1.080	54.020	8.427.120
7+800	1.080	54.020	8.481.140
7+850	1.080	54.020	8.535.160
7+900	1.080	54.020	8.589.180
7+950	1.080	54.020	8.643.200
8+000	1.080	54.020	8.697.220
8+050	1.080	54.020	8.751.240
8+100	1.080	54.020	8.805.260
8+150	1.080	54.020	8.859.280
8+200	1.080	54.020	8.913.300
8+250	1.080	54.020	8.967.320
8+300	1.080	54.020	9.021.340
8+350	1.080	54.020	9.075.360
8+400	1.080	54.020	9.129.380
8+450	1.080	54.020	9.183.400
8+500	1.080	54.020	9.237.420
8+550	1.080	54.020	9.291.440
8+600	1.080	54.020	9.345.460
8+650	1.080	54.020	9.399.480
8+700	1.080	54.020	9.453.500
8+750	1.080	54.020	9.507.520
8+800	1.080	54.020	9.561.540
8+850	1.080	54.020	9.615.560
8+900	1.080	54.020	9.669.580
8+950	1.080	54.020	9.723.600
9+000	1.080	54.020	9.777.620
9+050	1.080	54.020	9.831.640
9+100	1.080	54.020	9.885.660
9+150	1.080	54.020	9.939.680
9+200	1.080	54.020	9.993.700
9+250	1.080	54.020	10.047.720
9+300	1.080	54.020	10.101.740
9+350	1.080	54.020	10.155.760
9+400	1.080	54.020	10.209.780
9+450	1.080	54.020	10.263.800
9+500	1.080	54.020	10.317.820
9+550	1.080	54.020	10.371.840
9+600	1.080	54.020	10.425.860
9+650	1.080	54.020	10.479.880
9+700	1.080	54.020	10.533.900
9+750	1.080	54.020	10.587.920
9+800	1.080	54.020	10.641.940
9+850	1.080	54.020	10.695.960
9+900	1.080	54.020	10.749.980
9+950	1.080	54.020	10.804.000
10+000	1.080	54.020	10.858.020
10+050	1.080	54.020	10.912.040
10+100	1.080	54.020	10.966.060
10+150	1.080	54.020	11.020.080
10+200	1.080	54.020	11.074.100
10+250	1.080	54.020	11.128.120
10+300	1.080	54.020	11.182.140
10+350	1.080	54.020	11.236.160
10+400	1.080	54.020	11.290.180
10+450	1.080	54.020	11.344.200
10+500	1.080	54.020	11.398.220
10+550	1.080	54.020	11.452.240
10+600	1.080	54.020	11.506.260
10+650	1.080	54.020	11.560.280
10+700	1.080	54.020	11.614.300
10+750	1.080	54.020	11.668.320
10+800	1.080	54.020	11.722.340
10+850	1.080	54.020	11.776.360
10+900	1.080	54.020	11.830.380

Project: Maminasata
 Alignment: Perintis
 SURFACE: AC-WC, Adjustment: 1.000
 TEMPLATE END AREA VOLUME LISTING WITH CURVE CORRECTION

Station	Area (m2)	Volume (m3)	Tot. Vol. (m3)
10+950	1.080	54.020	11.884.400
11+000	1.080	54.020	11.938.420
11+050	1.080	54.020	11.992.440
11+100	1.080	54.020	12.046.460
11+150	1.080	54.020	12.100.480
11+200	1.080	54.020	12.154.500
11+250	1.080	54.020	12.208.520
11+300	1.080	54.020	12.262.540
11+350	1.080	54.020	12.316.560
11+400	1.080	54.020	12.370.580
11+450	1.080	54.020	12.424.600
11+500	1.080	54.020	12.478.620
11+550	1.080	54.020	12.532.640
11+600	1.080	54.020	12.586.660
11+650	1.080	54.020	12.640.680
11+700	1.080	54.020	12.694.700
11+750	1.080	54.020	12.748.720
11+800	1.080	54.020	12.802.740
11+850	1.080	54.020	12.856.760
11+900	1.080	54.020	12.910.780
11+950	1.080	54.020	12.964.800
12+000	1.080	54.020	13.018.820
12+050	1.080	54.020	13.072.840
12+100	1.080	54.020	13.126.860
12+150	1.080	54.020	13.180.880
12+200	1.080	54.020	13.234.900
12+250	1.080	54.020	13.288.920
12+300	1.080	54.020	13.342.940
12+350	1.080	54.020	13.396.960
12+400	1.080	54.020	13.450.980
12+450	1.080	54.020	13.505.000
12+500	1.080	54.020	13.559.020
12+550	1.080	54.020	13.613.040
12+600	1.080	54.020	13.667.060
12+650	1.080	54.020	13.721.080
12+700	1.080	54.020	13.775.100
12+750	1.080	54.020	13.829.120
12+800	1.080	54.020	13.883.140
12+850	1.080	54.020	13.937.160
12+900	1.080	54.020	13.991.180
12+950	1.080	54.020	14.045.200
13+000	1.080	54.020	14.099.220
13+050	1.080	54.020	14.153.240
13+100	1.080	54.020	14.207.260
13+150	1.080	54.020	14.261.280
13+200	1.080	54.020	14.315.300
13+250	1.080	54.020	14.369.320
13+300	1.080	54.020	14.423.340
13+350	1.080	54.020	14.477.360
13+400	1.080	54.020	14.531.380
13+450	1.080	54.020	14.585.400
13+500	1.080	54.020	14.639.420
13+550	1.080	54.020	14.693.440
13+600	1.080	54.020	14.747.460
13+650	1.080	54.020	14.801.480
13+700	1.080	54.020	14.855.500
13+750	1.080	54.020	14.909.520
13+800	1.080	54.020	14.963.540
13+850	1.080	54.020	15.017.560
13+900	1.080	54.020	15.071.580
14+000	1.080	54.020	15.125.600
14+050	1.080	54.020	15.179.620
14+100	1.080	54.020	15.233.640
14+150	1.080	54.020	15.287.660
14+200	1.080	54.020	15.341.680
14+250	1.080	54.020	15.395.700
14+300	1.080	54.020	15.449.720
14+350	1.080	54.020	15.503.740
14+400	1.080	54.020	15.557.760
14+450	1.080	54.020	15.611.780
14+500	1.080	54.020	15.665.800
14+550	1.080	54.020	15.719.820
14+600	1.080	54.020	15.773.840

Project: Maminasata
 Alignment: Perintis
 SURFACE: AC-WC, Adjustment: 1.000
 TEMPLATE END AREA VOLUME LISTING WITH CURVE CORRECTION

Station	Area (m2)	Volume (m3)	Tot. Vol. (m3)
14+650	1.080	54.020	15.827.860
14+700	1.080	54.020	15.881.880
14+750	1.080	54.020	15.935.900
14+800	1.080	54.020	15.989.920
14+850	1.080	54.020	16.043.940
14+900	1.080	54.020	16.097.960
14+950	1.080	54.020	16.151.980
15+000	1.080	54.020	16.206.000
15+050	1.080	54.020	16.260.020
15+100	1.080	54.020	16.314.040
15+150	1.080	54.020	16.368.060
15+200	1.080	54.020	16.422.080
15+250	1.080	54.020	16.476.100
15+300	1.080	54.020	16.530.120
15+350	1.080	54.020	16.584.140
15+400	1.080	54.020	

Project: Maminasata
 Alignment: Perintis
 SURFACE: AC-WC, Adjustment: 1.000
 TEMPLATE END AREA VOLUME LISTING WITH CURVE CORRECTION

Station	Area (m2)	Volume (m3)	Tot. Vol. (m3)
14+650	1.080	54.020	15.827.860
14+700	1.080	54.020	15.881.880
14+750	1.080	54.020	15.935.900
14+800	1.080	54.020	15.989.920
14+850	1.080	54.020	16.043.940
14+900	1.080	54.020	16.097.960
14+950	1.080	54.020	16.151.980
15+000	1.080	54.020	16.206.000
15+050	1.080	54.020	16.260.020
15+100	1.080	54.020	16.314.040
15+150	1.080	54.020	16.368.060
15+200	1.080	54.020	16.422.080
15+250	1.080	54.020	16.476.100
15+300	1.080	54.020	16.530.120
15+350	1.080	54.020	16.584.140
15+400	1.080	54.020	

Project: Alignment:	Maminasata Perintis	AC-BASE.	Adjustment:	1.000	
	SURFACE:	END AREA	VOLUME LISTING WITH CURVE CORRECTION		
	Station	Area (m2)	Volume (m3)	Tot. Vol. (m3)	
	14+950	0.840			
	15+000	0.840	42.010	12,560.990	
	15+050	0.840	42.010	12,603.000	
	15+100	0.840	42.010	12,645.010	
	15+150	0.840	42.010	12,687.020	
	15+200	0.840	42.010	12,729.030	
	15+250	0.840	42.010	12,771.040	
	15+300	0.840	42.010	12,813.050	
	15+350	0.840	42.010	12,855.060	
	15+400	0.840	42.010	12,897.070	

Project: Alignment:	Maminasata Perintis	AC-BASE.	Adjustment:	1.000	
	SURFACE:	END AREA	VOLUME LISTING WITH CURVE CORRECTION		
	Station	Area (m2)	Volume (m3)	Tot. Vol. (m3)	
	14+950	0.840			
	15+000	0.840	42.010	12,560.990	
	15+050	0.840	42.010	12,603.000	
	15+100	0.840	42.010	12,645.010	
	15+150	0.840	42.010	12,687.020	
	15+200	0.840	42.010	12,729.030	
	15+250	0.840	42.010	12,771.040	
	15+300	0.840	42.010	12,813.050	
	15+350	0.840	42.010	12,855.060	
	15+400	0.840	42.010	12,897.070	

Project: Alignment:	Maminasata Perintis SURFACE: TEMPLATE	BASE END AREA	Adjustment: VOLUME LISTING WITH CURVE CORRECTION	1,000 Volume (m3)	Tot. Vol. (m3)	Project: Alignment:	Maminasata Perintis SURFACE: TEMPLATE	BASE END AREA	Adjustment: VOLUME LISTING WITH CURVE CORRECTION	1,000 Volume (m3)	Tot. Vol. (m3)
0+000		2.357		117.840	117.840	3+450		2.357		117.840	8,248.800
0+050		2.357		117.840	235.680	3+500		2.357		117.840	8,366.640
0+100		2.357		117.840	353.520	3+550		2.357		117.840	8,484.480
0+150		2.357		117.840	471.360	3+600		2.357		117.840	8,602.320
0+200		2.357		117.840	589.200	3+650		2.357		117.840	8,720.160
0+250		2.357		117.840	707.040	3+700		2.357		117.840	8,838.000
0+300		2.357		117.840	824.880	3+750		2.357		117.840	8,955.840
0+350		2.357		117.840	942.720	3+800		2.357		117.840	9,073.680
0+400		2.357		117.840	1,060.560	3+850		2.357		117.840	9,191.520
0+450		2.357		117.840	1,178.400	3+900		2.357		117.840	9,309.360
0+500		2.357		117.840	1,296.240	3+950		2.357		117.840	9,427.200
0+550		2.357		117.840	1,414.080	4+000		2.357		117.840	9,545.040
0+600		2.357		117.840	1,531.920	4+050		2.357		117.840	9,662.880
0+650		2.357		117.840	1,649.760	4+100		2.357		117.840	9,780.720
0+700		2.357		117.840	1,767.600	4+150		2.357		117.840	9,898.560
0+750		2.357		117.840	1,885.440	4+200		2.357		117.840	10,016.400
0+800		2.357		117.840	2,003.280	4+250		2.357		117.840	10,134.240
0+850		2.357		117.840	2,121.120	4+300		2.357		117.840	10,252.080
0+900		2.357		117.840	2,238.960	4+350		2.357		117.840	10,369.920
0+950		2.357		117.840	2,356.800	4+400		2.357		117.840	10,487.760
1+000		2.357		117.840	2,474.640	4+450		2.357		117.840	10,605.600
1+050		2.357		117.840	2,592.480	4+500		2.357		117.840	10,723.440
1+100		2.357		117.840	2,710.320	4+550		2.357		117.840	10,841.280
1+150		2.357		117.840	2,828.160	4+600		2.357		117.840	10,959.120
1+200		2.357		117.840	2,946.000	4+650		2.357		117.840	11,076.960
1+250		2.357		117.840	3,063.840	4+700		2.357		117.840	11,194.800
1+300		2.357		117.840	3,181.680	4+750		2.357		117.840	11,312.640
1+350		2.357		117.840	3,299.520	4+800		2.357		117.840	11,430.480
1+400		2.357		117.840	3,417.360	4+850		2.357		117.840	11,548.320
1+450		2.357		117.840	3,535.200	4+900		2.357		117.840	11,666.160
1+500		2.357		117.840	3,653.040	4+950		2.357		117.840	11,784.000
1+550		2.357		117.840	3,770.880	5+000		2.357		117.840	11,901.840
1+600		2.357		117.840	3,888.720	5+050		2.357		117.840	12,019.680
1+650		2.357		117.840	4,006.560	5+100		2.357		117.840	12,137.520
1+700		2.357		117.840	4,124.400	5+150		2.357		117.840	12,255.360
1+750		2.357		117.840	4,242.240	5+200		2.357		117.840	12,373.200
1+800		2.357		117.840	4,360.080	5+250		2.357		117.840	12,491.040
1+850		2.357		117.840	4,477.920	5+300		2.357		117.840	12,608.880
1+900		2.357		117.840	4,595.760	5+350		2.357		117.840	12,726.720
1+950		2.357		117.840	4,713.600	5+400		2.357		117.840	12,844.560
2+000		2.357		117.840	4,831.440	5+450		2.357		117.840	12,962.400
2+050		2.357		117.840	4,949.280	5+500		2.357		117.840	13,080.240
2+100		2.357		117.840	5,067.120	5+550		2.357		117.840	13,198.080
2+150		2.357		117.840	5,184.960	5+600		2.357		117.840	13,315.920
2+200		2.357		117.840	5,302.800	5+650		2.357		117.840	13,433.760
2+250		2.357		117.840	5,420.640	5+700		2.357		117.840	13,551.600
2+300		2.357		117.840	5,538.480	5+750		2.357		117.840	13,669.440
2+350		2.357		117.840	5,656.320	5+800		2.357		117.840	13,787.280
2+400		2.357		117.840	5,774.160	5+850		2.357		117.840	13,905.120
2+450		2.357		117.840	5,892.000	5+900		2.357		117.840	14,022.960
2+500		2.357		117.840	6,009.840	5+950		2.357		117.840	14,140.800
2+550		2.357		117.840	6,127.680	6+000		2.357		117.840	14,258.640
2+600		2.357		117.840	6,245.520	6+050		2.357		117.840	14,376.480
2+650		2.357		117.840	6,363.360	6+100		2.357		117.840	14,494.320
2+700		2.357		117.840	6,481.200	6+150		2.357		117.840	14,612.160
2+750		2.357		117.840	6,599.040	6+200		2.357		117.840	14,730.000
2+800		2.357		117.840	6,716.880	6+250		2.357		117.840	14,847.840
2+850		2.357		117.840	6,834.720	6+300		2.357		117.840	14,965.680
2+900		2.357		117.840	6,952.560	6+350		2.357		117.840	15,083.520
2+950		2.357		117.840	7,070.400	6+400		2.357		117.840	15,201.360
3+000		2.357		117.840	7,188.240	6+450		2.357		117.840	15,319.200
3+050		2.357		117.840	7,306.080	6+500		2.357		117.840	15,437.040
3+100		2.357		117.840	7,423.920	6+550		2.357		117.840	15,554.880
3+150		2.357		117.840	7,541.760	6+600		2.357		117.840	15,672.720
3+200		2.357		117.840	7,659.600	6+650		2.357		117.840	15,790.560
3+250		2.357		117.840	7,777.440	6+700		2.357		117.840	15,908.400
3+300		2.357		117.840	7,895.280	6+750		2.357		117.840	16,026.240
3+350		2.357		117.840	8,013.120	6+800		2.357		117.840	16,144.080
3+400		2.357		117.840	8,130.960	6+850		2.357		117.840	16,261.920

Project: Alignment:	Maminasata Perintis	BASE	Adjustment:	1.000	
	SURFACE:	END AREA	VOLUME LISTING WITH CURVE CORRECTION		
	Station	Area (m2)	Volume (m3)	Tot. Vol. (m3)	
	13+850	2.357	117.840	32,641.680	
	13+900	2.357	117.840	32,759.520	
	13+950	2.357	117.840	32,877.360	
	14+000	2.357	117.840	32,995.200	
	14+050	2.357	117.840	33,113.040	
	14+100	2.357	117.840	33,230.880	
	14+150	2.357	117.840	33,348.720	
	14+200	2.357	117.840	33,466.560	
	14+250	2.357	117.840	33,584.400	
	14+300	2.357	117.840	33,702.240	
	14+350	2.357	117.840	33,820.080	
	14+400	2.357	117.840	33,937.920	
	14+450	2.357	117.840	34,055.760	
	14+500	2.357	117.840	34,173.600	
	14+550	2.357	117.840	34,291.440	
	14+600	2.357	117.840	34,409.280	
	14+650	2.357	117.840	34,527.120	
	14+700	2.357	117.840	34,644.960	
	14+750	2.357	117.840	34,762.800	
	14+800	2.357	117.840	34,880.640	
	14+850	2.357	117.840	34,998.480	
	14+900	2.357	117.840	35,116.320	
	14+950	2.357	117.840	35,234.160	
	15+000	2.357	117.840	35,352.000	
	15+050	2.357	117.840	35,469.840	
	15+100	2.357	117.840	35,587.680	
	15+150	2.357	117.840	35,705.520	
	15+200	2.357	117.840	35,823.360	
	15+250	2.357	117.840	35,941.200	
	15+300	2.357	117.840	36,059.040	
	15+350	2.357	117.840	36,176.880	
	15+400	2.357	117.840		

Project: Alignment:	Maminasata Perintis	BASE	Adjustment:	1.000	
	SURFACE:	END AREA	VOLUME LISTING WITH CURVE CORRECTION		
	Station	Area (m2)	Volume (m3)	Tot. Vol. (m3)	

Project: Alignment:	Maminasata Perintis	SURFACE: TEMPLATE	SUB END AREA	BASE: VOLUME LISTING WITH CURVE CORRECTION	Adjustment: Volume (m3)	1.000 CORRECTION	Tot. Vol. (m3)
	14+450		7.081		354.070		102,326.230
	14+500		7.081		354.070		102,680.300
	14+550		7.081		354.070		103,034.370
	14+600		7.081		354.070		103,388.440
	14+650		7.081		354.070		103,742.510
	14+700		7.081		354.070		104,096.580
	14+750		7.081		354.070		104,450.650
	14+800		7.081		354.070		104,804.720
	14+850		7.081		354.070		105,158.790
	14+900		7.081		354.070		105,512.860
	14+950		7.081		354.070		105,866.930
	15+000		7.081		354.070		106,221.000
	15+050		7.081		354.070		106,575.070
	15+100		7.081		354.070		106,929.140
	15+150		7.081		354.070		107,283.210
	15+200		7.081		354.070		107,637.280
	15+250		7.081		354.070		107,991.350
	15+300		7.081		354.070		108,345.420
	15+350		7.081		354.070		108,699.490
	15+400		7.081		354.070		

Project: Alignment:	Maminasata Perintis	SURFACE: TEMPLATE	SUB END AREA	BASE: VOLUME LISTING WITH CURVE CORRECTION	Adjustment: Volume (m3)	1.000 CORRECTION	Tot. Vol. (m3)
	14+450		7.081		354.070		102,326.230
	14+500		7.081		354.070		102,680.300
	14+550		7.081		354.070		103,034.370
	14+600		7.081		354.070		103,388.440
	14+650		7.081		354.070		103,742.510
	14+700		7.081		354.070		104,096.580
	14+750		7.081		354.070		104,450.650
	14+800		7.081		354.070		104,804.720
	14+850		7.081		354.070		105,158.790
	14+900		7.081		354.070		105,512.860
	14+950		7.081		354.070		105,866.930
	15+000		7.081		354.070		106,221.000
	15+050		7.081		354.070		106,575.070
	15+100		7.081		354.070		106,929.140
	15+150		7.081		354.070		107,283.210
	15+200		7.081		354.070		107,637.280
	15+250		7.081		354.070		107,991.350
	15+300		7.081		354.070		108,345.420
	15+350		7.081		354.070		108,699.490
	15+400		7.081		354.070		



































