

## UHURU MONUMENT JUNCTION C Slip Road

1.2. 57

UHURU MONUMENT JUNCTION D Slip Road

1.2. 58

COMPUTATION OF VOLUMES  
NGONG ROAD JUNCTION A Slip Road

### NGONG ROAD JUNCTION A Slip Road

[illegible]

NGONG ROAD JUNCTION B Slip Road

NGONG ROAD JUNCTION B Slip Road

1.2. 60

**DAGORETTI FOREST JUNCTION A Slip Road**

STATION	DISTANCE	REMOVAL OF TOPSOIL							
		IN FILL AREA				IN CUT AREA			
		WIDTH (m)	AVERAGE (m)	AREA (m <sup>2</sup> )	VOLUME t=10cm (m <sup>3</sup> )	WIDTH (m)	AVERAGE (m)	AREA (m <sup>2</sup> )	VOLUME t=10cm (m <sup>3</sup> )
0 + 020.000						4.70			
0 + 038.387	38.39	26.50	13.25	508.63	50.86	4.30	4.50	172.74	17.27
0 + 040.000	20.00	25.20	25.85	517.00	51.70	4.50	4.40	88.00	8.80
0 + 060.000	20.00	23.90	24.55	491.00	49.10	4.20	4.35	87.00	8.70
0 + 080.000	20.00	22.60	23.25	465.00	46.50	4.30	4.25	85.00	8.50
0 + 100.000	20.00	22.40	22.50	450.00	45.00	4.30	4.30	86.00	8.60
0 + 120.000	20.00	21.80	22.10	442.00	44.20	5.00	4.65	93.00	9.30
0 + 140.000	20.00	19.80	20.80	416.00	41.60	4.80	4.90	98.00	9.80
0 + 158.579	18.58	18.30	19.05	353.93	35.39	5.10	4.95	91.97	9.20
0 + 160.000	1.42	18.20	18.25	25.93	2.59	4.80	4.95	7.03	0.70
0 + 180.000	20.00	15.50	16.85	337.00	33.70	4.90	4.85	97.00	9.70
0 + 200.000	20.00	15.00	15.25	305.00	30.50	5.40	5.15	103.00	10.30
0 + 200.595	0.59	15.30	15.15	9.01	0.90	5.10	5.25	3.12	0.31
0 + 220.000	19.41	14.60	14.95	290.10	29.01	4.90	5.00	97.03	9.70
0 + 240.000	20.00	16.40	15.50	310.00	31.00	4.70	4.80	96.00	9.60
0 + 260.000	20.00	15.80	16.10	322.00	32.20	5.00	4.85	97.00	9.70
0 + 276.939	16.94	17.00	16.40	277.80	27.78	4.90	4.95	83.85	8.38
0 + 280.000	3.06	17.10	17.05	52.19	5.22	5.00	4.95	15.15	1.52
0 + 300.000	20.00	22.00	19.55	391.00	39.10	4.90	4.95	99.00	9.90
0 + 314.000	14.00	22.00	22.00	308.00	30.80	4.90	4.90	68.60	6.86
Total				6271.60	627.16			1568.49	156.85

**DAGORETTI FOREST JUNCTION B Slip Road**

1.2. 62.

## COMPUTATION OF VOLUMES

### THOGOTO JUNCTION A Slip Road

[illegible]

## THOGOTO JUNCTION B Slip Road

[illegible]



## COMPUTATION OF VOLUMES

KIKUYU TOWN JUNCTION A Slip Road

STATION	DISTANCE	REMOVAL OF TOPSOIL							
		IN FILL AREA				IN CUT AREA			
		WIDTH	AVERAGE	AREA	VOLUME t=10cm	WIDTH	AVERAGE	AREA	VOLUME t=10cm
		(m)	(m)	(m <sup>2</sup> )	(m <sup>3</sup> )	(m)	(m)	(m <sup>2</sup> )	(m <sup>3</sup> )
0 + 000.000		2.20				14.00			
0 + 006.586	6.59	1.70	1.95	12.84	1.28	15.70	14.85	97.80	9.78
0 + 020.000	13.41	5.50	3.60	48.29	4.83	27.20	21.45	287.73	28.77
0 + 040.000	20.00	14.90	10.20	204.00	20.40	18.90	23.05	461.00	46.10
0 + 060.000	20.00	16.10	15.50	310.00	31.00	13.50	16.20	324.00	32.40
0 + 080.000	20.00	16.60	16.35	327.00	32.70	15.60	14.55	291.00	29.10
0 + 100.000	20.00	16.80	16.70	334.00	33.40	13.80	14.70	294.00	29.40
0 + 120.000	20.00	19.40	18.10	362.00	36.20	9.40	11.60	232.00	23.20
0 + 140.000	20.00	17.20	18.30	366.00	36.60	9.10	9.25	185.00	18.50
0 + 160.000	20.00	16.00	16.60	332.00	33.20	9.00	9.05	181.00	18.10
0 + 180.000	20.00	13.90	14.95	299.00	29.90	8.70	8.85	177.00	17.70
0 + 200.000	20.00	12.10	13.00	260.00	26.00	9.40	9.05	181.00	18.10
0 + 213.756	13.76	11.00	11.55	158.88	15.89	11.00	10.20	140.31	14.03
0 + 220.000	6.24	20.30	15.65	97.72	9.77	10.90	10.95	68.37	6.84
0 + 240.000	20.00	4.20	12.25	245.00	24.50	16.00	13.45	269.00	26.90
0 + 260.000	20.00	6.60	5.40	108.00	10.80	14.70	15.35	307.00	30.70
0 + 280.000	20.00	7.00	6.80	136.00	13.60	13.70	14.20	284.00	28.40
0 + 300.000	20.00	6.20	6.60	132.00	13.20	14.50	14.10	282.00	28.20
0 + 320.000	20.00	6.00	6.10	122.00	12.20	11.30	12.90	258.00	25.80
0 + 340.000	20.00	1.30	3.65	73.00	7.30	17.90	14.60	292.00	29.20
0 + 360.000	20.00		0.65	13.00	1.30	20.30	19.10	382.00	38.20
0 + 380.000	20.00		0.00	0.00	0.00	20.00	20.15	403.00	40.30
0 + 400.000	20.00		0.00	0.00	0.00	19.80	19.90	398.00	39.80
0 + 420.000	20.00		0.00	0.00	0.00	24.20	22.00	440.00	44.00
0 + 440.000	20.00		0.00	0.00	0.00	23.40	23.80	476.00	47.60
0 + 460.000	20.00		0.00	0.00	0.00	25.30	24.35	487.00	48.70
0 + 480.000	20.00		0.00	0.00	0.00	19.20	22.25	445.00	44.50
0 + 500.000	20.00		0.00	0.00	0.00	17.10	18.15	363.00	36.30
0 + 520.000	20.00		0.00	0.00	0.00	19.00	18.05	361.00	36.10
0 + 540.000	20.00		0.00	0.00	0.00	19.00	19.00	380.00	38.00
0 + 560.000	20.00		0.00	0.00	0.00	18.50	18.75	375.00	37.50
0 + 580.000	20.00		0.00	0.00	0.00	18.30	18.40	368.00	36.80
0 + 600.000	20.00		0.00	0.00	0.00	18.40	18.35	367.00	36.70
0 + 620.000	20.00		0.00	0.00	0.00	18.40	18.40	368.00	36.80
0 + 640.000	20.00		0.00	0.00	0.00	18.00	18.20	364.00	36.40
0 + 660.000	20.00		0.00	0.00	0.00	17.80	17.90	358.00	35.80
0 + 680.000	20.00		0.00	0.00	0.00	17.40	17.60	352.00	35.20
0 + 700.000	20.00		0.00	0.00	0.00	17.10	17.25	345.00	34.50
0 + 720.000	20.00	10.50	5.25	105.00	10.50	6.00	11.55	231.00	23.10
0 + 740.000	20.00	12.00	11.25	225.00	22.50	4.80	5.40	108.00	10.80
0 + 760.000	20.00	10.30	11.15	223.00	22.30	5.80	5.30	106.00	10.60
0 + 780.000	20.00	10.00	10.15	203.00	20.30	6.20	6.00	120.00	12.00
0 + 800.000	20.00	6.70	8.35	167.00	16.70	9.70	7.95	159.00	15.90
0 + 820.000	20.00	3.20	4.95	99.00	9.90	13.90	11.80	236.00	23.60
0 + 835.845	15.85		1.60	25.35	2.54	16.00	14.95	236.88	23.69
0 + 840.000	4.15		0.00	0.00	0.00	16.20	16.10	66.90	6.69
0 + 860.000	20.00		0.00	0.00	0.00	16.00	16.10	322.00	32.20
0 + 880.000	20.00		0.00	0.00	0.00	16.30	16.15	323.00	32.30
0 + 899.253	19.25		0.00	0.00	0.00	17.50	16.90	325.38	32.54

## COMPUTATION OF VOLUMES

KIKUYU TOWN JUNCTION A Slip Road

STATION	DISTANCE	REMOVAL OF TOPSOIL							
		IN FILL AREA				IN CUT AREA			
		WIDTH	AVERAGE	AREA	VOLUME t=10cm	WIDTH	AVERAGE	AREA	VOLUME t=10cm
		(m)	(m)	(m <sup>2</sup> )	(m <sup>3</sup> )	(m)	(m)	(m <sup>2</sup> )	(m <sup>3</sup> )
0 + 900.000	0.75		0.00	0.00	0.00	17.50	17.50	13.07	1.31
0 + 920.000	20.00	2.80	1.40	28.00	2.80	15.20	16.35	327.00	32.70
0 + 931.123	11.12	4.70	3.75	41.71	4.17	14.00	14.60	162.40	16.24
0 + 940.000	8.88	7.50	6.10	54.15	5.41	13.00	13.50	119.84	11.98
0 + 960.000	20.00	11.30	9.40	188.00	18.80	10.20	11.60	232.00	23.20
0 + 980.000	20.00	10.20	10.75	215.00	21.50	11.20	10.70	214.00	21.40
1 + 000.000	20.00	9.00	9.60	192.00	19.20	8.50	9.85	197.00	19.70
1 + 005.372	5.37	8.00	8.50	45.66	4.57	8.60	8.55	45.93	4.59
1 + 020.000	14.63	8.00	8.00	117.02	11.70	7.80	8.20	119.95	11.99
1 + 040.000	20.00	2.00	5.00	100.00	10.00	12.30	10.05	201.00	20.10
1 + 060.000	20.00	10.70	6.35	127.00	12.70	9.70	11.00	220.00	22.00
1 + 080.000	20.00	5.60	8.15	163.00	16.30	12.20	10.95	219.00	21.90
1 + 100.000	20.00		2.80	56.00	5.60	18.60	15.40	308.00	30.80
1 + 120.000	20.00		0.00	0.00	0.00	19.80	19.20	384.00	38.40
1 + 140.000	20.00		0.00	0.00	0.00	19.20	19.50	390.00	39.00
1 + 160.000	20.00		0.00	0.00	0.00	23.00	21.10	422.00	42.20
1 + 180.000	20.00		0.00	0.00	0.00	18.80	20.90	418.00	41.80
1 + 200.000	20.00	4.30	2.15	43.00	4.30	12.50	15.65	313.00	31.30
1 + 200.508	0.51	5.00	4.65	2.36	0.24	12.00	12.25	6.22	0.62
1 + 220.000	19.49	2.30	3.65	71.15	7.11	17.10	14.55	283.61	28.36
1 + 240.000	20.00		1.15	23.00	2.30	16.20	16.65	333.00	33.30
1 + 260.000	20.00		0.00	0.00	0.00	15.60	15.90	318.00	31.80
1 + 271.222	11.22		0.00	0.00	0.00	15.90	15.75	176.75	17.67
1 + 280.000	8.78	9.00	4.50	39.50	3.95	16.00	15.95	140.01	14.00
1 + 299.173	19.17	9.00	9.00	172.56	17.26	6.00	11.00	210.90	21.09
1 + 300.000	0.83	13.50	11.25	9.30	0.93	6.50	6.25	5.17	0.52
1 + 320.000	20.00	12.00	12.75	255.00	25.50		3.25	65.00	6.50
1 + 340.000	20.00	12.35	12.18	243.50	24.35		0.00	0.00	0.00
1 + 348.760	8.76	11.90	12.13	106.21	10.62		0.00	0.00	0.00
1 + 360.000	11.24	10.80	11.35	127.57	12.76		0.00	0.00	0.00
1 + 380.000	20.00	9.50	10.15	203.00	20.30		0.00	0.00	0.00
1 + 400.000	20.00	11.30	10.40	208.00	20.80		0.00	0.00	0.00
1 + 420.000	20.00	18.00	14.65	293.00	29.30		0.00	0.00	0.00
1 + 440.000	20.00	24.80	21.40	428.00	42.80	3.50	1.75	35.00	3.50
1 + 460.000	20.00	23.20	24.00	480.00	48.00	2.50	3.00	60.00	6.00
1 + 468.012	8.01	23.20	23.20	185.88	18.59		1.25	10.02	1.00
1 + 480.000	11.99	24.50	23.85	285.91	28.59		0.00	0.00	0.00
1 + 500.000	20.00	17.80	21.15	423.00	42.30	1.00	0.50	10.00	1.00
1 + 520.000	20.00		8.90	178.00	17.80	4.00	2.50	50.00	5.00
1 + 520.313	0.31		0.00	0.00	0.00				
Total				10093.58	1009.36			19888.23	1988.82

KIKUYU TOWN JUNCTION B Slip Road

1.2. 67

KIKUYU TOWN JUNCTION C Slip Road

1.2. 68

KIKUYU TOWN JUNCTION D Slip Road

1.2. 69

KIKUYU TOWN JUNCTION E Slip Road

1.2. 70.

## COMPUTATION OF VOLUMES

### KIKUYU JUNCTION A Slip Road

STATION	DISTANCE	REMOVAL OF TOPSOIL							
		IN FILL AREA				IN CUT AREA			
		WIDTH (m)	AVERAGE (m)	AREA (m <sup>2</sup> )	VOLUME t=10cm (m <sup>3</sup> )	WIDTH (m)	AVERAGE (m)	AREA (m <sup>2</sup> )	VOLUME t=10cm (m <sup>3</sup> )
(28 + 244.064)									
0 + 083.958		16.50	8.25	0.00	0.00	3.30	1.65	0.00	0.00
0 + 100.000	16.04	16.50	16.50	264.69	26.47	3.30	3.30	52.94	5.29
0 + 120.000	20.00	16.10	16.30	326.00	32.60	3.30	3.30	66.00	6.60
0 + 140.000	20.00	16.80	16.45	329.00	32.90	3.30	3.30	66.00	6.60
0 + 160.000	20.00	18.10	17.45	349.00	34.90	3.40	3.35	67.00	6.70
0 + 180.000	20.00	18.50	18.30	366.00	36.60	3.00	3.20	64.00	6.40
0 + 200.000	20.00	14.80	16.65	333.00	33.30	3.20	3.10	62.00	6.20
0 + 220.000	20.00	12.00	13.40	268.00	26.80	3.20	3.20	64.00	6.40
0 + 240.000	20.00		6.00	120.00	12.00	15.30	9.25	185.00	18.50
0 + 260.000	20.00		0.00	0.00	0.00	18.20	16.75	335.00	33.50
0 + 280.000	20.00		0.00	0.00	0.00	19.90	19.05	381.00	38.10
0 + 300.000	20.00		0.00	0.00	0.00	20.50	20.20	404.00	40.40
0 + 320.000	20.00		0.00	0.00	0.00	21.20	20.85	417.00	41.70
0 + 340.000	20.00		0.00	0.00	0.00	21.20	21.20	424.00	42.40
0 + 360.000	20.00		0.00	0.00	0.00	21.60	21.40	428.00	42.80
0 + 365.819	5.82		0.00	0.00	0.00	22.30	21.95	127.73	12.77
0 + 380.000	14.18		0.00	0.00	0.00	22.60	22.45	318.36	31.84
0 + 400.000	20.00		0.00	0.00	0.00	21.70	22.15	443.00	44.30
0 + 420.000	20.00		0.00	0.00	0.00	21.00	21.35	427.00	42.70
0 + 432.486	12.49	3.80	1.90	23.72	2.37	12.20	16.60	207.27	20.73
0 + 440.000	7.51	12.60	8.20	61.61	6.16	6.50	9.35	70.26	7.03
0 + 460.000	20.00	16.10	14.35	287.00	28.70	6.50	6.50	130.00	13.00
0 + 480.000	20.00	10.90	13.50	270.00	27.00	6.20	6.35	127.00	12.70
0 + 500.000	20.00		5.45	109.00	10.90	14.70	10.45	209.00	20.90
0 + 520.000	20.00		0.00	0.00	0.00	20.50	17.60	352.00	35.20
0 + 524.703	4.70	2.70	1.35	6.35	0.63	16.40	18.45	86.77	8.68
0 + 540.000	15.30	3.60	3.15	48.19	4.82	12.10	14.25	217.98	21.80
(0 + 550.147)									
5 + 960.000	10.15					4.40	2.20	22.32	2.23
5 + 980.000	20.00					7.50	5.95	119.00	11.90
6 + 000.000	20.00					10.00	8.75	175.00	17.50
6 + 020.000	20.00					11.50	10.75	215.00	21.50
6 + 040.000	20.00					12.00	11.75	235.00	23.50
6 + 060.000	20.00					12.50	12.25	245.00	24.50
6 + 080.000	20.00					12.50	12.50	250.00	25.00
6 + 100.000	20.00					13.00	12.75	255.00	25.50
6 + 120.000	20.00					0.00	6.50	130.00	13.00
Total				3161.57	316.16			7378.63	737.86

KIKUYU JUNCTION B Slip Road

[illegible]



COMPUTATION OF VOLUMES  
KIKUYU JUNCTION C Slip Road

[illegible]

**KIKUYU JUNCTION C Slip Road (Acceleration, Deceleration lane)**

1.2. 74



### **1.3 Scarify and Removal Existing Pavement Material**

# SCHEDULE OF REMOVAL OF EXISTING PAVEMENT

DESCRIPTION	LENGTH (m)	WIDTH (m)	THICKNESS (m)	VOLUME (m3)
UHURU MONUMENT JUNCTION				
APPROACH ROAD	260.0	7.0	0.1	182.0
NGONG ROAD JUNCTION				
APPROACH ROAD	800.0	7.0	0.1	560.0
DAGORETTI FOREST JUNCTION				
APPROACH ROAD	500.0	7.0	0.1	350.0
THOGOTO JUNCTION				
APPROACH ROAD	500.0	7.0	0.1	350.0
KIKUYU TOWN JUNCTION				
From CH.26+590, To CH.28+416	1,826.0	7.0	0.1	1,278.2
TOTAL				2,720.2



## 2. Earthworks

## 2.1 Fill and Overhaul



# SCHEDULE OF FILL VOLUMES

DESCRIPTION	Fill in				REMARKS
	Soft Material		Total	Hard Material	
	Soil (m3)	Weathered Rock (m3)			
Main & Service Road	1,005,568.0	228,744.5	1,234,312.5	104,841.3	1258548.4m3 - 24235.9m3(Back fill)
Slip Road	196,428.8		196,428.8		198398m3 - 1210.4( V.No2 Br.B.F.) + 758.8(No4 Box B.F.)
Drainage Pond	7,715.0		7,715.0		9076.5m3 x 0.85
Railway Embankment	5,480.9		5,480.9		6930m3 - 1449.1m3(Back fill)
Central Reserve	10,364.2		10,364.2		
Shoulder	3,304.1		3,304.1		Road side Gradrail length 8,582m
					8,582m x 0.385m3/m = 3304.1m3
TOTAL	1,228,861.0	228,744.5	1,457,605.5	104,841.3	

# SCHEDULE OF BACKFILL

NAME	VOLUME	REMARKS
Mombasa Road Junction Bridge	877.9 m3	
Uhuru Monument Junction Bridge	1,073.7 m3	
Railway Bridge	1,449.0 m3	
No.1 Vehicle Bridge	370.6 m3	
No.2 Vehicle Bridge	1,210.4 m3	
No.1 Pedestrian Bridge	0.0 m3	
No.2 Pedestrian Bridge	0.0 m3	
No.1 Boxclvert for Road	1,609.4 m3	
No.2 Boxclvert for Road	1,243.1 m3	
No.3 Boxclvert for Road	3,906.1 m3	
No.4 Boxclvert for Road	1,270.7 m3	
No.5 Boxclvert for Road	1,205.5 m3	
No.6 Boxclvert for Road	1,148.7 m3	
No.7 Boxclvert for Road	3,205.6 m3	
No.1 Boxclvert for Footpath	379.9 m3	
No.2 Boxclvert for Footpath	331.1 m3	
No.3 Boxclvert for Footpath	331.1 m3	
No.4 Boxclvert for Footpath	333.6 m3	
No.1 Boxclvert for Drainage	1,074.2 m3	
No.2 Boxclvert for Drainage	573.1 m3	
No.3 Boxclvert for Drainage	1,257.7 m3	
No.4 Boxclvert for Drainage	758.8 m3	
No.5 Boxclvert for Drainage	4,044.2 m3	
TOTAL	27,654.2 m3	

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	CUTTING																WEATHERED ROCK C=1.00																ROCK C=1.20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	DISTANCE	SOIL C=0.85								SECTION								AVERAGE								VOLUME								SECTION								AVERAGE								VOLUME								ADDITIONAL								TOTAL								COMPACTED								VOLUME								ADDITIONAL								TOTAL								COMPACTED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	DISTANCE	SOIL C=0.85						WEATHERED ROCK C=1.00						ROCK C=1.20					
		SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED
		(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)
0 + 420.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 426.400	6.400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 440.000	13.600	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 447.072	7.072	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 460.000	12.928	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 480.000	20.000	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 500.000	20.000	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 516.072	16.072	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 516.072	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 520.000	3.928	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 537.587	17.587	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 537.587	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 540.000	2.413	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 560.000	20.000	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 580.000	20.000	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 600.000	20.000	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 611.720	11.720	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 611.720	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 620.000	8.280	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 640.000	20.000	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 660.000	20.000	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 680.000	20.000	0.0	0.0	0.0	63.3	63.3	53.8	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 692.078	12.078	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 692.078	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 700.000	7.922	0.0	0.0	0.0	63.3	63.3	54.0	0.0	0.0	0.0	121.4	121.4	121.4	0.0	0.0	0.0	0.0	0.0	0.0
0 + 720.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 740.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 760.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0 + 780.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	DISTANCE	CUTTING										ROCK C=1.20									
		SOIL C=0.85					WEATHERED ROCK C=1.00					TOTAL					COMPACTED				
		SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)	SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)	SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)		
0 + 800.000	20.000	0.0	0.0	0.0	0.0	0.0	3.9	12.0	239.0	0.0	239.0	239.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0 + 820.000	20.000	0.0	0.0	0.0	0.0	0.0	2.9	3.4	68.0	0.0	68.0	68.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0 + 840.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	1.5	29.0	0.0	29.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0 + 860.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0 + 880.000	20.000	0.0	0.0	0.0	0.0	0.0	3.3	1.7	33.0	0.0	33.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0 + 900.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	1.7	33.0	0.0	33.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0 + 920.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0 + 940.000	20.000	0.0	0.0	0.0	0.0	0.0	5.5	2.8	55.0	0.0	55.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0 + 944.627	4.627	0.0	0.0	0.0	0.0	0.0	2.0	3.8	17.4	0.0	17.4	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0 + 960.000	15.373	0.0	0.0	0.0	0.0	0.0	0.0	1.0	15.4	0.0	15.4	15.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0 + 980.000	20.000	0.0	0.0	0.0	0.0	0.0	3.7	1.9	37.0	0.0	37.0	37.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 0.000	20.000	0.0	0.0	0.0	0.0	0.0	10.9	7.3	146.0	0.0	146.0	146.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 20.000	20.000	0.0	0.0	0.0	0.0	0.0	0.5	5.7	114.0	0.0	114.0	114.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 40.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.3	5.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 60.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 73.199	13.199	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 80.000	6.801	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 100.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 120.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 140.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 160.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 180.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 200.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 220.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 240.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 260.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 280.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 300.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
1 + 320.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	CUTTING																		
	SOIL C=0.85										WEATHERED ROCK C=1.00					ROCK C=1.20			
	DISTANCE	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED
	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)
1 + 340.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 360.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 380.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 400.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 420.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 440.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 460.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 480.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 500.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 520.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 525.443	5.443	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 540.000	14.557	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 560.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	7.2	3.6	72.0	0.0	72.0	72.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 580.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	72.0	0.0	72.0	72.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 600.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 620.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 640.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 660.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 680.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 700.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 720.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 740.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 760.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 780.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 800.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 820.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 840.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 860.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 880.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	CUTTING																		
	DISTANCE	SOIL C=0.85						WEATHERED ROCK C=1.00						ROCK C=1.20					
		SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED VOLUME	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED VOLUME	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED VOLUME
1 + 940.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 920.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 940.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 960.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 970.243	10.243	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1 + 980.000	9.757	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 0.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 20.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 40.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 60.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 80.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 100.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 120.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 140.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 160.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 180.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 200.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 220.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 240.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 260.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 280.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 300.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 320.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 340.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 360.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 380.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 400.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 420.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 440.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	DISTANCE	SOIL C=0.85						WEATHERED ROCK C=1.00						ROCK C=1.20					
		SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED
		(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)
2 + 460.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 480.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 500.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 520.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 540.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 560.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 580.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 600.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 620.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 640.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 660.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 680.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 700.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 720.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 727.035	7.035	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 740.000	12.965	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 760.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 780.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 800.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 820.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 840.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 860.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 880.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 900.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 920.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 940.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 960.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2 + 980.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 0.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	CUTTING										ROCK C=1.20			
	SOIL C=0.85					WEATHERED ROCK C=1.00								
	DISTANCE	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	VOLUME	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED
		(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)
3 + 20,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 40,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 60,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 80,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 100,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 120,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 140,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 160,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 180,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 200,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 220,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 240,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 260,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 280,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 300,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 320,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 340,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 360,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 380,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 400,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 420,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 440,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 460,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 480,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 500,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 509,294	9,294	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 520,000	10,706	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 540,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3 + 560,000	20,000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## CUTTING

2.1. 11

## COMPUTATION OF ACCUMULATE VOLUME(1)

STATION	DISTANCE	CUTTING										WEATHERED ROCK C=1.00					ROCK C=1.20									
		SOIL C=0.85					COMPACTED					TOTAL					ADDITIONAL					TOTAL				
		SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	
		(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	
4 + 160.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 180.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 200.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 220.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 240.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 260.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 280.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 300.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 320.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 340.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 360.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 380.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 400.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 420.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 440.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 460.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 480.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 500.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 520.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 535.215	15.215	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 540.000	4.785	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 560.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 580.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 600.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 620.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 640.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 660.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 680.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
4 + 700.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	CUTTING										ROCK C=1.20				
	SOIL C=0.85					WEATHERED ROCK C=1.00									
	DISTANCE	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	VOLUME	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	COMPACTED
		(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m3)
4 + 720.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 + 740.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4 + 760.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.9	17.0	0.0	17.0	17.0	0.0
4 + 780.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	4.0	80.0	0.0	80.0	80.0	0.0
4 + 800.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	6.5	130.0	0.0	130.0	130.0	0.0
4 + 820.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	6.2	123.0	0.0	123.0	123.0	0.0
4 + 840.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	5.8	115.0	0.0	115.0	115.0	0.0
4 + 860.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	8.8	175.0	0.0	175.0	175.0	0.0
4 + 880.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.6	231.0	0.0	231.0	231.0	0.0
4 + 900.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	11.5	229.0	0.0	229.0	229.0	0.0
4 + 910.382	10.382	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.6	11.5	119.4	0.0	119.4	119.4	0.0
4 + 920.000	9.618	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.9	11.8	113.0	0.0	113.0	113.0	0.0
4 + 940.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	7.9	158.0	0.0	158.0	158.0	0.0
4 + 960.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.6	71.0	0.0	71.0	71.0	0.0
4 + 980.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	4.2	84.0	0.0	84.0	84.0	0.0
5 + 0.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	8.7	174.0	0.0	174.0	174.0	0.0
5 + 20.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.9	10.1	201.0	0.0	201.0	201.0	0.0
5 + 40.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	9.1	182.0	0.0	182.0	182.0	0.0
5 + 60.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	10.7	213.0	0.0	213.0	213.0	0.0
5 + 80.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	7.5	150.0	0.0	150.0	150.0	0.0
5 + 91.257	11.257	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	4.2	46.7	0.0	46.7	46.7	0.0
5 + 100.000	8.743	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	4.1	35.4	0.0	35.4	35.4	0.0
5 + 120.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.5	49.0	0.0	49.0	49.0	0.0
5 + 140.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	11.0	0.0	11.0	11.0	0.0
5 + 160.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 + 180.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 + 200.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 + 220.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5 + 240.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## CLIPPING

2.1. 14

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	DISTANCE	CLIPPING										ROCK C=1.20									
		SOIL C=0.85					WEATHERED ROCK C=1.00					COMPACTED ROCK C=1.20									
		SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)	SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)	SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)		
5 + 800.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.3	49.4	983.0	0.0	983.0	1,185.6		
5 + 817.000	17.000	20.5	10.3	174.3	0.0	174.3	148.1	0.0	0.0	0.0	0.0	0.0	0.0	31.8	41.6	808.4	0.0	808.4	970.0		
5 + 820.000	3.000	18.5	19.5	58.5	0.0	58.5	49.7	0.0	0.0	0.0	0.0	0.0	0.0	34.1	33.0	98.9	0.0	98.9	118.6		
5 + 840.000	20.000	19.5	19.0	380.0	0.0	380.0	323.0	0.0	0.0	0.0	0.0	0.0	0.0	40.5	37.3	746.0	0.0	746.0	895.2		
5 + 860.000	20.000	40.2	29.9	597.0	0.0	597.0	507.5	0.0	0.0	0.0	0.0	0.0	0.0	27.2	33.9	677.0	0.0	677.0	812.4		
5 + 880.000	20.000	54.8	47.5	950.0	0.0	950.0	807.5	0.0	0.0	0.0	0.0	0.0	0.0	11.6	19.4	388.0	0.0	388.0	465.6		
5 + 900.000	20.000	47.6	51.2	1,024.0	0.0	1,024.0	870.4	0.0	0.0	0.0	0.0	0.0	0.0	12.8	12.2	244.0	0.0	244.0	292.8		
5 + 920.000	20.000	53.3	50.5	1,009.0	0.0	1,009.0	857.7	0.0	0.0	0.0	0.0	0.0	0.0	25.5	19.2	383.0	0.0	383.0	459.6		
5 + 940.000	20.000	50.5	51.9	1,038.0	0.0	1,038.0	882.3	0.0	0.0	0.0	0.0	0.0	0.0	17.8	21.7	433.0	0.0	433.0	519.6		
5 + 960.000	20.000	47.6	49.1	981.0	0.0	981.0	833.9	0.0	0.0	0.0	0.0	0.0	0.0	9.2	13.5	270.0	0.0	270.0	324.0		
5 + 980.000	20.000	41.9	44.8	895.0	0.0	895.0	760.8	0.0	0.0	0.0	0.0	0.0	0.0	12.3	10.8	215.0	0.0	215.0	258.0		
6 + 0.000	20.000	13.8	27.9	557.0	0.0	557.0	473.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	123.0	0.0	123.0	147.6		
6 + 1.864	1.864	29.3	21.6	40.2	0.0	40.2	34.1	0.0	0.0	0.0	0.0	0.0	0.0	3.5	1.8	3.3	0.0	3.3	3.9		
6 + 20.000	18.136	20.2	24.8	448.9	0.0	448.9	381.5	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.8	49.9	0.0	49.9	59.8		
6 + 40.000	20.000	31.9	26.1	521.0	0.0	521.0	442.9	0.0	0.0	0.0	0.0	0.0	0.0	12.9	7.5	149.0	0.0	149.0	178.8		
6 + 60.000	20.000	33.9	32.9	658.0	0.0	658.0	559.3	0.0	0.0	0.0	0.0	0.0	0.0	10.1	11.5	230.0	0.0	230.0	276.0		
6 + 80.000	20.000	43.5	38.7	774.0	0.0	774.0	657.9	0.0	0.0	0.0	0.0	0.0	0.0	12.7	11.4	228.0	0.0	228.0	273.6		
6 + 100.000	20.000	44.1	43.8	876.0	0.0	876.0	744.6	0.0	0.0	0.0	0.0	0.0	0.0	12.2	12.5	249.0	0.0	249.0	298.8		
6 + 120.000	20.000	48.0	46.1	921.0	0.0	921.0	782.9	0.0	0.0	0.0	0.0	0.0	0.0	15.0	13.6	272.0	0.0	272.0	326.4		
6 + 140.000	20.000	33.3	40.7	813.0	0.0	813.0	691.1	0.0	0.0	0.0	0.0	0.0	0.0	4.0	9.5	190.0	0.0	190.0	228.0		
6 + 160.000	20.000	16.0	24.7	493.0	0.0	493.0	419.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	2.2	44.0	0.0	44.0	52.8		
6 + 180.000	20.000	4.4	10.2	204.0	0.0	204.0	173.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	4.0	0.0	4.0	4.8		
6 + 200.000	20.000	8.6	6.5	129.5	0.0	129.5	110.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6 + 220.000	20.000	1.4	5.0	99.9	0.0	99.9	84.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6 + 240.000	20.000	2.6	2.0	40.1	0.0	40.1	34.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6 + 260.000	20.000	0.8	1.7	33.6	0.0	33.6	28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6 + 280.000	20.000	1.5	1.2	23.1	0.0	23.1	19.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6 + 300.000	20.000	1.3	1.4	28.6	0.0	28.6	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
6 + 320.000	20.000	1.5	1.4	28.7	0.0	28.7	24.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		

## COMPUTATION OF ACCUMULATE VOLUME(1)

STATION	CUTTING																		
	SOIL C=0.85						WEATHERED ROCK C=1.00						ROCK C=1.20						
	DISTANCE	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED
	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)
6 + 340.000	20.000	1.4	1.5	29.6	0.0	29.6	25.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 360.000	20.000	1.4	1.4	28.6	0.0	28.6	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 379.176	19.176	1.2	1.3	24.8	0.0	24.8	21.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 380.000	0.824	1.3	1.2	1.0	0.0	1.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 400.000	20.000	1.3	1.3	25.2	0.0	25.2	21.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 420.000	20.000	1.5	1.4	27.9	175.5	203.4	172.8	0.0	0.0	0.0	121.0	121.0	121.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 429.957	9.957	0.0	0.8	7.6	0.0	7.6	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 429.957	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 440.000	10.043	0.0	0.0	0.0	175.5	175.5	149.2	0.0	0.0	0.0	121.0	121.0	121.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 460.000	20.000	0.0	0.0	0.0	175.5	175.5	149.2	0.0	0.0	0.0	121.0	121.0	121.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 462.691	2.691	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 462.691	0.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 480.000	17.309	0.0	0.0	0.0	175.5	175.5	149.2	0.0	0.0	0.0	121.0	121.0	121.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 500.000	20.000	0.0	0.0	0.0	175.5	175.5	149.2	0.0	0.0	0.0	121.0	121.0	121.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 520.000	20.000	0.0	0.0	0.0	175.5	175.5	149.2	0.0	0.0	0.0	121.0	121.0	121.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 540.000	20.000	0.0	0.0	0.0	175.5	175.5	149.2	0.0	0.0	0.0	121.0	121.0	121.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 560.000	20.000	0.0	0.0	0.0	175.5	175.5	149.2	0.0	0.0	0.0	121.0	121.0	121.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 580.000	20.000	0.0	0.0	0.0	175.5	175.5	149.2	0.0	0.0	0.0	121.0	121.0	121.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 600.000	20.000	0.0	0.0	0.0	175.5	175.5	149.2	0.0	0.0	0.0	121.0	121.0	121.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 620.000	20.000	0.1	0.0	0.5	175.5	176.0	149.6	0.0	0.0	0.0	121.0	121.0	121.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 640.000	20.000	0.2	0.1	2.7	175.5	178.2	151.5	0.0	0.0	0.0	121.0	121.0	121.0	0.3	0.2	3.0	0.0	3.0	3.6
6 + 660.000	20.000	0.0	0.1	2.2	175.5	177.7	151.0	0.0	0.0	0.0	121.0	121.0	121.0	2.2	1.3	25.0	0.0	25.0	30.0
6 + 675.890	15.890	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	17.5	0.0	17.5	21.0
6 + 680.000	4.110	0.0	0.0	0.0	174.8	174.8	148.6	0.0	0.0	0.0	120.5	120.5	120.5	0.0	0.0	0.0	0.0	0.0	0.0
6 + 700.000	20.000	0.0	0.0	0.0	1,165.7	1,165.7	990.8	0.0	0.0	0.0	122.7	122.7	122.7	0.0	0.0	0.0	0.0	0.0	0.0
6 + 714.490	14.490	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 + 720.000	5.510	0.0	0.0	0.0	48.0	48.0	40.8	0.0	0.0	0.0	1.7	1.7	1.7	1.1	0.6	3.0	0.0	3.0	3.6
6 + 740.000	20.000	0.0	0.0	0.0	48.0	48.0	40.8	0.0	0.0	0.0	1.7	1.7	1.7	0.1	0.6	12.0	0.0	12.0	14.4
6 + 760.000	20.000	0.0	0.0	0.0	48.0	48.0	40.8	0.0	0.0	0.0	1.7	1.7	1.7	0.0	0.1	1.0	0.0	1.0	1.2

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	DISTANCE	CUTTING										WEATHERED ROCK C=1.00					ROCK C=1.20				
		SOIL C=0.85					CUTTING					CUTTING					CUTTING				
		SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)	SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)	SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)		
6 + 780.000	20.000	0.0	0.0	0.0	48.0	48.0	40.8	0.0	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	6.0	
6 + 800.000	20.000	0.0	0.0	0.0	48.0	48.0	40.8	0.0	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6 + 820.000	20.000	0.0	0.0	0.0	48.0	48.0	40.8	0.0	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6 + 840.000	20.000	0.1	0.1	1.0	48.0	49.0	41.7	0.0	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6 + 860.000	20.000	0.0	0.1	1.0	48.0	49.0	41.7	0.0	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6 + 880.000	20.000	0.0	0.0	0.0	48.0	48.0	40.8	0.0	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6 + 900.000	20.000	0.0	0.0	0.0	48.0	48.0	40.8	0.0	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6 + 920.000	20.000	0.0	0.0	0.0	48.0	48.0	40.8	0.0	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6 + 940.000	20.000	0.0	0.0	0.0	48.0	48.0	40.8	0.0	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6 + 960.000	20.000	0.0	0.0	0.0	48.0	48.0	40.8	0.0	0.0	0.0	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6 + 980.000	20.000	0.0	0.0	0.0	47.9	47.9	40.7	0.0	0.0	0.0	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 0.000	20.000	5.0	2.5	50.0	0.0	50.0	42.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 20.000	20.000	5.3	5.1	102.5	0.0	102.5	87.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 28.438	8.438	5.4	5.3	44.7	0.0	44.7	38.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 40.000	11.562	5.6	5.5	63.3	0.0	63.3	53.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 60.000	20.000	4.6	5.1	101.7	0.0	101.7	86.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 80.000	20.000	6.1	5.3	106.7	0.0	106.7	90.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 100.000	20.000	6.1	6.1	121.5	0.0	121.5	103.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 120.000	20.000	9.4	7.7	154.5	0.0	154.5	131.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 140.000	20.000	9.3	9.4	187.3	0.0	187.3	159.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 160.000	20.000	7.1	8.2	163.8	0.0	163.8	139.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 180.000	20.000	8.5	7.8	155.5	0.0	155.5	132.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 200.000	20.000	10.8	9.7	193.0	0.0	193.0	164.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 220.000	20.000	11.2	11.0	220.0	0.0	220.0	187.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 240.000	20.000	9.7	10.4	208.7	0.0	208.7	177.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 260.000	20.000	17.9	13.8	275.2	0.0	275.2	233.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 280.000	20.000	10.8	14.3	286.0	0.0	286.0	243.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 300.000	20.000	4.8	7.8	155.5	0.0	155.5	132.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 320.000	20.000	7.0	5.9	117.5	0.0	117.5	99.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	



## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	DISTANCE	CUTTING										ROCK C=1.20									
		SOIL C=0.85					WEATHERED ROCK C=1.00					VOLUME					TOTAL				
		SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED		
		(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)		
7 + 340.000	20.000	7.4	7.2	143.0	0.0	143.0	121.6	0.0	0.0	0.0	0.0	0.0	0.0	3.1	2.6	52.0	0.0	52.0	62.4		
7 + 350.000	20.000	1.1	4.2	84.3	0.0	84.3	71.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	31.0	0.0	31.0	37.2		
7 + 360.000	20.000	1.1	1.1	21.7	0.0	21.7	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7 + 370.000	20.000	1.2	1.1	22.7	0.0	22.7	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7 + 380.000	20.000	2.7	1.9	38.8	0.0	38.8	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	2.0	0.0	2.0	2.4		
7 + 390.000	20.000	1.7	2.2	44.1	0.0	44.1	37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.0	0.0	2.0	2.4		
7 + 400.000	10.000	0.9	1.3	12.9	0.0	12.9	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7 + 410.000	10.000	0.8	0.8	8.4	0.0	8.4	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7 + 420.000	20.000	1.0	0.9	17.9	0.0	17.9	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7 + 430.000	20.000	1.3	1.1	22.5	0.0	22.5	19.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7 + 440.000	20.000	1.0	1.1	22.4	0.0	22.4	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7 + 450.000	20.000	2.2	1.6	31.6	0.0	31.6	26.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7 + 460.000	20.000	3.8	3.0	59.6	0.0	59.6	50.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.0	0.0	1.0	1.2		
7 + 470.000	20.000	2.7	3.2	64.4	0.0	64.4	54.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	1.0	1.2		
7 + 480.000	20.000	12.0	7.3	146.5	0.0	146.5	124.5	0.0	0.0	0.0	0.0	0.0	0.0	8.7	4.4	87.0	0.0	87.0	104.4		
7 + 490.000	0.107	8.5	10.3	1.1	0.0	1.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	3.7	6.2	0.7	0.0	0.7	0.8		
7 + 500.000	19.893	0.9	4.7	93.5	0.0	93.5	79.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	36.8	0.0	36.8	44.2		
7 + 510.000	20.000	1.0	0.9	18.4	0.0	18.4	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7 + 520.000	20.000	1.1	1.0	20.4	0.0	20.4	17.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
7 + 530.000	20.000	1.3	1.2	23.3	0.0	23.3	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.0	0.0	1.0	1.2		
7 + 540.000	20.000	3.1	2.2	43.6	0.0	43.6	37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	6.0	0.0	6.0	7.2		
7 + 550.000	20.000	2.0	2.5	50.8	0.0	50.8	43.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	6.0	0.0	6.0	7.2		
7 + 560.000	20.000	1.8	1.9	37.8	0.0	37.8	32.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.0	1.0	1.2		
7 + 570.000	20.000	5.3	3.6	71.0	0.0	71.0	60.4	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.8	15.0	0.0	15.0	18.0		
7 + 580.000	20.000	10.2	7.7	154.6	0.0	154.6	131.4	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	20.0	0.0	20.0	24.0		
7 + 590.000	20.000	12.1	11.1	222.8	0.0	222.8	189.4	0.0	0.0	0.0	0.0	0.0	0.0	5.4	3.0	59.0	0.0	59.0	70.8		
7 + 600.000	20.000	5.8	9.0	179.4	0.0	179.4	152.5	11.7	5.9	117.0	0.0	117.0	117.0	2.3	3.9	77.0	0.0	77.0	92.4		
7 + 610.000	20.000	14.9	10.4	207.6	0.0	207.6	176.4	18.5	15.1	302.0	0.0	302.0	302.0	0.2	1.3	25.0	0.0	25.0	30.0		
7 + 620.000	20.000	27.2	21.1	421.4	0.0	421.4	358.2	38.9	28.7	574.0	0.0	574.0	574.0	0.3	0.3	5.0	0.0	5.0	6.0		

## COMPUTATION OF ACCUMULATE VOLUME ( 1 )

STATION	CUTTING										ROCK C=1.20										
	DISTANCE	SOIL C=0.85					WEATHERED ROCK C=1.00					SECTION					AVERAGE				
		SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	VOLUME	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	VOLUME	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED
		(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	
7 + 880.000	20.000	36.6	31.9	637.7	0.0	637.7	542.0	25.7	25.7	32.3	646.0	0.0	646.0	646.0	0.0	0.0	0.2	3.0	0.0	3.0	
7 + 900.000	20.000	46.6	41.6	831.6	0.0	831.6	706.6	24.8	24.8	25.3	505.0	0.0	505.0	505.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 920.000	20.000	48.5	47.5	951.0	0.0	951.0	808.3	45.1	45.1	35.0	699.0	0.0	699.0	699.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 940.000	20.000	47.4	47.9	958.5	0.0	958.5	814.7	49.1	49.1	47.1	942.0	0.0	942.0	942.0	0.0	0.0	0.0	0.0	0.0	0.0	
7 + 960.000	20.000	47.3	47.3	946.2	0.0	946.2	804.3	41.1	41.1	45.1	902.0	0.0	902.0	902.0	0.1	0.1	1.0	0.0	1.0	1.2	
7 + 980.000	20.000	48.7	48.0	959.3	0.0	959.3	815.4	44.8	44.8	43.0	859.0	0.0	859.0	859.0	0.4	0.4	0.3	5.0	0.0	5.0	
8 + 0.000	20.000	48.8	48.7	974.9	0.0	974.9	828.7	40.7	40.7	42.8	855.0	0.0	855.0	855.0	1.1	0.8	15.0	0.0	15.0	18.0	
8 + 20.000	20.000	42.2	45.5	910.7	0.0	910.7	774.1	36.2	36.2	38.5	769.0	0.0	769.0	769.0	0.5	0.8	16.0	0.0	16.0	19.2	
8 + 40.000	20.000	37.5	39.9	797.1	0.0	797.1	677.5	23.9	23.9	30.1	601.0	0.0	601.0	601.0	0.0	0.3	5.0	0.0	5.0	6.0	
8 + 60.000	20.000	46.4	41.9	838.9	0.0	838.9	713.0	32.3	32.3	28.1	562.0	0.0	562.0	562.0	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 80.000	20.000	43.3	44.8	896.9	0.0	896.9	762.4	37.2	37.2	34.8	695.0	0.0	695.0	695.0	0.4	0.2	4.0	0.0	4.0	4.8	
8 + 100.000	20.000	42.0	42.6	852.6	0.0	852.6	724.7	40.7	40.7	39.0	779.0	0.0	779.0	779.0	1.2	0.8	16.0	0.0	16.0	19.2	
8 + 120.000	20.000	39.6	40.8	815.5	0.0	815.5	693.2	32.2	32.2	36.5	729.0	0.0	729.0	729.0	0.3	0.8	15.0	0.0	15.0	18.0	
8 + 140.000	20.000	35.2	37.4	747.2	0.0	747.2	635.1	29.3	29.3	30.8	615.0	0.0	615.0	615.0	0.0	0.2	3.0	0.0	3.0	3.6	
8 + 153.505	13.505	34.9	35.1	473.4	0.0	473.4	402.3	24.4	24.4	26.9	362.6	0.0	362.6	362.6	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 160.000	6.495	32.1	33.5	217.8	0.0	217.8	185.2	19.5	19.5	22.0	142.6	0.0	142.6	142.6	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 180.000	20.000	28.5	30.3	606.2	0.0	606.2	515.3	11.4	11.4	15.5	309.0	0.0	309.0	309.0	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 200.000	20.000	4.7	16.6	331.3	0.0	331.3	281.6	0.0	0.0	5.7	114.0	0.0	114.0	114.0	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 220.000	20.000	4.4	4.5	90.5	0.0	90.5	76.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 240.000	20.000	2.7	3.6	71.2	0.0	71.2	60.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 260.000	20.000	4.1	3.4	68.5	0.0	68.5	58.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 280.000	20.000	2.9	3.5	70.5	0.0	70.5	59.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 300.000	20.000	1.6	2.3	45.4	0.0	45.4	38.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 303.505	3.505	1.9	1.7	6.1	0.0	6.1	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 320.000	16.495	1.8	1.8	30.2	0.0	30.2	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 340.000	20.000	1.4	1.6	32.2	0.0	32.2	27.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 358.544	18.544	7.4	4.4	82.2	0.0	82.2	69.9	0.7	0.7	0.4	6.5	0.0	6.5	6.5	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 360.000	1.456	8.2	7.8	11.4	0.0	11.4	9.7	1.0	1.0	0.9	1.2	0.0	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	
8 + 380.000	20.000	20.4	14.3	286.4	0.0	286.4	243.4	9.8	9.8	5.4	108.0	0.0	108.0	108.0	0.0	0.0	0.0	0.0	0.0	0.0	

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	DISTANCE	CUTTING																	
		SOIL C=0.85					WEATHERED ROCK C=1.00					ROCK C=1.20							
		SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)	SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)	SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)
8 + 400.000	20.000	33.1	26.8	535.3	0.0	535.3	455.0	18.6	14.2	284.0	0.0	284.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 420.000	20.000	41.6	37.3	746.6	0.0	746.6	634.6	32.0	25.3	506.0	0.0	506.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 440.000	20.000	30.1	35.3	716.6	0.0	716.6	609.1	26.9	29.5	589.0	0.0	589.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 460.000	20.000	26.3	28.2	564.4	0.0	564.4	479.7	25.5	26.2	524.0	0.0	524.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 480.000	20.000	15.7	21.0	420.3	0.0	420.3	357.2	12.3	18.9	378.0	0.0	378.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 500.000	20.000	11.8	13.8	275.2	0.0	275.2	233.9	8.7	10.5	210.0	0.0	210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 520.000	20.000	12.7	12.3	245.2	0.0	245.2	208.4	5.9	7.3	146.0	0.0	146.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 540.000	20.000	20.3	16.5	330.0	0.0	330.0	280.5	16.3	11.1	222.0	0.0	222.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 560.000	20.000	24.2	22.2	444.8	0.0	444.8	378.1	22.3	19.3	386.0	0.0	386.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 580.000	20.000	27.5	25.8	516.9	0.0	516.9	439.4	29.7	26.0	520.0	0.0	520.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 600.000	20.000	29.7	28.6	572.4	0.0	572.4	486.5	40.9	35.3	706.0	0.0	706.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 620.000	8.544	31.2	30.4	260.0	0.0	260.0	221.0	48.2	44.6	380.6	0.0	380.6	0.0	0.5	3.8	0.0	3.8	3.8	4.6
8 + 640.000	20.000	31.2	31.7	634.6	0.0	634.6	539.4	46.6	47.9	957.0	0.0	957.0	0.0	1.8	1.4	28.0	0.0	28.0	33.6
8 + 660.000	20.000	33.2	32.2	643.8	0.0	643.8	547.2	53.5	50.1	1,001.0	0.0	1,001.0	0.0	1.9	1.5	29.0	0.0	29.0	34.8
8 + 680.000	20.000	35.5	34.3	686.6	0.0	686.6	583.6	65.1	59.3	1,186.0	0.0	1,186.0	0.0	4.7	3.3	66.0	0.0	66.0	79.2
8 + 700.000	20.000	35.5	35.5	709.5	0.0	709.5	603.1	52.3	58.7	1,174.0	0.0	1,174.0	0.0	2.5	3.6	72.0	0.0	72.0	86.4
8 + 720.000	20.000	30.3	32.9	657.3	0.0	657.3	558.7	30.1	41.2	824.0	0.0	824.0	0.0	0.0	1.3	25.0	0.0	25.0	30.0
8 + 740.000	20.000	28.4	29.4	587.1	0.0	587.1	499.0	40.9	35.5	710.0	0.0	710.0	0.0	1.7	0.9	17.0	0.0	17.0	20.4
8 + 760.000	20.000	24.4	26.4	528.7	0.0	528.7	449.4	34.9	37.9	758.0	0.0	758.0	0.0	0.3	1.0	20.0	0.0	20.0	24.0
8 + 780.000	20.000	23.9	24.2	483.7	0.0	483.7	411.1	26.3	30.6	612.0	0.0	612.0	0.0	0.0	0.2	3.0	0.0	3.0	3.6
8 + 800.000	20.000	26.7	25.3	506.6	0.0	506.6	430.6	31.5	28.9	578.0	0.0	578.0	0.0	0.3	0.2	3.0	0.0	3.0	3.6
8 + 820.000	20.000	25.3	26.0	520.2	0.0	520.2	442.2	27.7	29.6	592.0	0.0	592.0	0.0	0.0	0.2	3.0	0.0	3.0	3.6
8 + 840.000	20.000	31.5	28.4	568.1	0.0	568.1	482.9	12.2	20.0	399.0	0.0	399.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 860.000	20.000	9.4	20.5	409.2	0.0	409.2	347.8	1.9	7.1	141.0	0.0	141.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 875.638	15.638	0.0	4.7	73.5	0.0	73.5	62.5	0.0	1.0	14.9	0.0	14.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 880.000	4.362	0.8	0.4	1.7	0.0	1.7	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 900.000	20.000	1.9	1.4	27.0	0.0	27.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 920.000	20.000	1.5	1.7	33.5	0.0	33.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	DISTANCE	SOIL C=0.85					WEATHERED ROCK C=1.00					ROCK C=1.20							
		SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)	SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)	SECTION (m2)	AVERAGE (m2)	VOLUME (m3)	ADDITIONAL VOLUME (m3)	TOTAL (m3)	COMPACTED VOLUME (m3)
8 + 940.000	20.000	2.3	1.9	37.6	0.0	37.6	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 960.000	20.000	0.4	1.4	27.1	0.0	27.1	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8 + 980.000	20.000	0.0	0.2	4.0	0.0	4.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 0.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 20.000	20.000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 40.000	20.000	0.9	0.5	9.0	0.0	9.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 60.000	20.000	12.5	6.7	134.2	0.0	134.2	114.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 80.000	20.000	44.6	28.6	571.4	0.0	571.4	485.7	35.3	17.7	353.0	0.0	353.0	353.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 100.000	20.000	49.6	47.1	941.7	0.0	941.7	800.4	73.6	54.5	1,089.0	0.0	1,089.0	1,089.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 120.000	20.000	71.1	60.3	1,206.7	0.0	1,206.7	1,025.7	94.2	83.9	1,678.0	0.0	1,678.0	1,678.0	12.1	6.5	129.0	0.0	129.0	154.8
9 + 125.638	5.638	70.0	70.5	397.7	0.0	397.7	338.0	90.6	92.4	521.0	0.0	521.0	521.0	13.9	13.0	73.3	0.0	73.3	88.0
9 + 140.000	14.362	63.9	66.9	961.4	0.0	961.4	817.2	82.1	86.4	1,240.2	0.0	1,240.2	1,240.2	13.8	13.9	198.9	0.0	198.9	238.7
9 + 160.000	20.000	53.8	58.8	1,176.7	0.0	1,176.7	1,000.2	70.5	76.3	1,526.0	0.0	1,526.0	1,526.0	20.0	16.9	338.0	0.0	338.0	405.6
9 + 180.000	20.000	45.3	49.5	940.2	0.0	940.2	841.7	52.3	61.4	1,228.0	0.0	1,228.0	1,228.0	6.9	13.5	269.0	0.0	269.0	322.8
9 + 200.000	20.000	38.6	41.9	838.3	0.0	838.3	712.6	35.0	43.7	873.0	0.0	873.0	873.0	1.1	4.0	80.0	0.0	80.0	96.0
9 + 220.000	20.000	30.8	34.7	693.8	0.0	693.8	599.7	18.8	26.9	538.0	0.0	538.0	538.0	0.0	0.6	11.0	0.0	11.0	13.2
9 + 240.000	20.000	26.4	28.6	572.3	0.0	572.3	486.5	14.0	16.4	328.0	0.0	328.0	328.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 260.000	20.000	17.0	21.7	434.5	0.0	434.5	369.3	5.5	9.8	195.0	0.0	195.0	195.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 275.638	15.638	13.5	15.3	238.6	0.0	238.6	202.8	3.3	4.4	68.8	0.0	68.8	68.8	0.0	0.0	0.0	0.0	0.0	0.0
9 + 280.000	4.362	12.5	13.0	56.6	0.0	56.6	48.1	2.8	3.1	13.3	0.0	13.3	13.3	0.0	0.0	0.0	0.0	0.0	0.0
9 + 300.000	20.000	11.5	12.0	239.1	0.0	239.1	203.2	2.6	2.7	54.0	0.0	54.0	54.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 320.000	20.000	9.0	10.2	205.0	0.0	205.0	174.2	1.2	1.9	38.0	0.0	38.0	38.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 340.000	20.000	12.1	10.6	211.2	0.0	211.2	179.5	3.2	2.2	44.0	0.0	44.0	44.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 360.000	20.000	10.7	11.4	227.9	0.0	227.9	193.7	2.1	2.7	53.0	0.0	53.0	53.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 380.000	20.000	8.4	9.5	190.7	0.0	190.7	162.1	0.8	1.5	29.0	0.0	29.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 400.000	20.000	1.0	4.7	93.2	0.0	93.2	79.2	0.4	0.6	12.0	0.0	12.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 420.000	20.000	1.4	1.2	23.8	0.0	23.8	20.2	0.0	0.2	4.0	0.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 440.000	20.000	4.0	2.7	53.9	0.0	53.9	45.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 460.000	20.000	3.0	3.5	70.2	0.0	70.2	59.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	DISTANCE	SOIL C=0.85						CLUTTING						WEATHERED ROCK C=1.00						ROCK C=1.20					
		SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED
		(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)
9 + 480.000	20.000	2.7	2.9	57.2	0.0	57.2	48.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 500.000	20.000	2.2	2.4	48.7	0.0	48.7	41.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 520.000	20.000	1.6	1.9	37.4	0.0	37.4	31.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 540.000	20.000	1.8	1.7	33.5	0.0	33.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 560.000	20.000	2.0	1.9	37.9	0.0	37.9	32.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 580.000	20.000	1.9	1.9	38.8	0.0	38.8	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 600.000	20.000	1.6	1.8	35.0	0.0	35.0	29.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 620.000	20.000	1.8	1.7	34.1	0.0	34.1	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 640.000	20.000	1.8	1.8	36.0	0.0	36.0	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 660.000	20.000	2.0	1.9	38.3	0.0	38.3	32.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 680.000	20.000	2.9	2.4	48.9	0.0	48.9	41.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 700.000	20.000	3.2	3.0	60.4	0.0	60.4	51.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 720.000	20.000	4.5	3.8	76.3	0.0	76.3	64.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 740.000	20.000	4.9	4.7	93.4	0.0	93.4	79.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 760.000	20.000	6.0	5.5	109.0	0.0	109.0	92.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 780.000	20.000	10.2	8.1	161.9	0.0	161.9	137.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 783.604	3.604	21.1	15.7	56.4	0.0	56.4	48.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 800.000	16.396	30.4	25.8	422.7	302.8	725.5	616.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 820.000	20.000	59.3	44.9	897.5	820.6	1,718.1	1,460.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 840.000	20.000	83.8	71.6	1,431.5	1,013.8	2,445.3	2,078.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 860.000	20.000	119.5	101.7	2,033.3	1,340.1	3,373.4	2,867.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 880.000	20.000	138.1	128.8	2,576.5	1,665.5	4,242.0	3,774.0	0.1	0.1	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 900.000	20.000	160.2	149.2	2,983.1	2,310.7	5,293.8	4,499.7	1.2	0.7	13.0	0.0	13.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 920.000	20.000	190.0	175.1	3,501.3	2,636.6	6,137.9	5,217.2	2.2	1.7	34.0	0.0	34.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 940.000	20.000	227.0	208.5	4,169.5	2,769.3	6,937.8	5,897.1	12.1	7.2	143.0	0.0	143.0	143.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 960.000	20.000	236.1	211.5	4,630.9	2,526.3	7,157.2	6,083.6	20.2	16.2	323.0	0.0	323.0	323.0	0.4	0.2	4.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9 + 980.000	20.000	229.2	232.7	4,653.2	2,702.3	7,355.5	6,352.2	49.4	34.8	696.0	0.0	696.0	696.0	14.5	7.5	149.0	0.0	149.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 0.000	20.000	269.7	249.4	4,988.9	2,872.1	7,861.0	6,640.2	30.6	40.0	800.0	0.0	800.0	800.0	0.0	7.3	145.0	0.0	145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 20.000	20.000	263.7	246.7	5,333.3	3,252.8	8,586.1	7,298.2	14.1	22.4	447.0	0.0	447.0	447.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## COMPUTATION OF ACCUMULATE VOLUME (1)

STATION	DISTANCE	SOIL C=0.85						WEATHERED ROCK C=1.00						ROCK C=1.20					
		SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED	SECTION	AVERAGE	VOLUME	ADDITIONAL	TOTAL	COMPACTED
		(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)	(m2)	(m2)	(m3)	(m3)	(m3)	(m3)
10 + 40.000	20.000	255.6	259.6	5,192.4	3,366.9	8,559.3	7,309.9	4.0	9.1	181.0	0.0	181.0	181.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 60.000	20.000	228.1	241.9	4,837.0	3,439.7	8,296.7	7,052.2	0.0	2.0	40.0	0.0	40.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 80.000	20.000	200.1	214.1	4,282.0	3,394.4	7,676.4	6,524.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 100.000	3.604	194.5	197.3	711.1	3,298.3	4,009.4	3,408.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 120.000	16.396	178.5	186.5	3,058.5	3,198.0	6,256.5	5,318.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 140.000	20.000	157.1	167.8	3,356.0	3,050.2	6,406.2	5,445.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 160.000	20.000	138.4	147.7	2,954.3	2,863.0	5,817.3	4,944.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 180.000	20.000	122.4	130.4	2,607.5	2,637.7	5,245.2	4,438.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 200.000	20.000	111.1	116.7	2,334.8	2,513.7	4,848.5	4,121.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 220.000	20.000	95.9	103.5	2,069.8	2,204.6	4,274.4	3,633.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 240.000	20.000	86.9	91.4	1,828.2	1,924.2	3,752.4	3,189.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 260.000	20.000	81.9	84.4	1,688.4	1,743.0	3,431.4	2,916.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 280.000	20.000	77.5	79.7	1,593.5	1,154.9	2,748.4	2,336.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 300.000	20.000	75.5	76.5	1,529.0	0.0	1,529.0	1,299.7	0.3	0.2	3.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 320.000	20.000	71.4	73.4	1,468.0	0.0	1,468.0	1,247.8	2.8	1.6	31.0	0.0	31.0	31.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 340.000	20.000	72.8	72.1	1,441.7	0.0	1,441.7	1,225.4	4.8	3.8	76.0	0.0	76.0	76.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 360.000	20.000	73.6	72.8	1,463.9	0.0	1,463.9	1,244.3	6.5	5.7	113.0	0.0	113.0	113.0	0.0	0.0	0.0	0.0	0.0	0.0
10 + 380.000	20.000	69.8	70.9	1,418.5	0.0	1,418.5	1,205.7	22.9	19.4	388.0	0.0	388.0	388.0	4.7	2.9	58.0	0.0	58.0	69.4
10 + 400.000	20.000	64.6	67.2	1,343.8	0.0	1,343.8	1,142.2	33.9	28.4	568.0	0.0	568.0	568.0	3.9	4.3	86.0	0.0	86.0	103.2
10 + 415.887	15.887	66.3	65.5	1,040.3	0.0	1,040.3	884.2	42.8	38.4	693.3	0.0	693.3	693.3	4.4	4.2	65.9	0.0	65.9	79.1
10 + 420.000	4.113	66.7	66.5	273.6	0.0	273.6	282.6	42.4	42.6	175.2	0.0	175.2	175.2	8.6	6.5	26.7	0.0	26.7	32.8
10 + 440.000	20.000	68.2	67.4	1,348.7	0.0	1,348.7	1,146.4	46.7	44.6	891.0	0.0	891.0	891.0	10.7	9.7	193.0	0.0	193.0	231.6
10 + 460.000	20.000	68.2	68.2	1,383.9	0.0	1,383.9	1,159.3	49.5	48.1	962.0	0.0	962.0	962.0	12.4	11.6	231.0	0.0	231.0	277.2
10 + 480.000	20.000	68.3	68.3	1,365.8	0.0	1,365.8	1,160.9	49.9	49.7	994.0	0.0	994.0	994.0	12.8	12.6	252.0	0.0	252.0	302.4
10 + 500.000	20.000	67.4	67.9	1,357.1	0.0	1,357.1	1,153.5	48.7	49.3	986.0	0.0	986.0	986.0	3.4	8.1	162.0	0.0	162.0	194.4
10 + 520.000	20.000	66.3	66.9	1,337.0	0.0	1,337.0	1,136.5	44.0	46.4	927.0	0.0	927.0	927.0	1.3	2.4	47.0	0.0	47.0	56.4
10 + 540.000	20.000	63.8	65.1	1,301.0	0.0	1,301.0	1,105.9	29.4	36.7	734.0	0.0	734.0	734.0	0.0	0.7	13.0	0.0	13.0	15.6
10 + 560.000	20.000	61.4	62.6	1,251.7	0.0	1,251.7	1,063.9	16.9	23.2	463.0	0.0	463.0	463.0	0.0	0.0	0.0	0.0	0.0	0.0