

	QUANTITIES SUMMARY(WIDE CROSS-SECTION)										ILPOLEI KIMANJO ROAD BATCH 1										Apr-23	
KM	BUSH LIGHT	BUSH HEAVY	GRUB	TREES	ETL	FILL	DRAINS (SOFT)	DRAINS (HARD)	CUL.900M M	CUL.600M M.	CD	AC	AD	T1	T2	T4	MITRES	C/W	S/C	CHECK DAMS	GABIONS	GRAVEL
	M2	M3	M2	No	M3		M3		M	M	No.	No.	No.	M3	M3	M3	M3	M2	No.			M3
1	5,000	500	5,000		1,072	0	1,072	107		0	1	3	0	1	1	6			76			1650
2	5,000	500	5,000	32	280		1,072	107	19	0	4	0	0	6	2	0			50			1650
3	8,000	800	5,000	34	1,232		1,232	123	0	0	3	11	0	5	1	22			74		20	1650
4	5,000	500	5,000	50	1,032		1,032	103		0	0	16	0	0	0	32			88			1650
5	5,000	500	5,000		1,608	0	1,608	161		0	1	4	0	1	1	8	30	100	28			1650
6	8,000	800	5,000	13	976	0	976	98		104	0	17	0	0	0	34			50			1650
7	4,800	480	5,000	1	808	0	808	81		0	1	12	0	1	1	24	30	200	30			1650
8	4,800	480	5,000		1,296		1,296	130	36.5	0	2	6	0	4	0	12			130			1650
9	4,800	480	5,000		1,640	0	1,640	164		29	1	3	0	1	1	6			76			1650
TOTAL	50,400	5,040	45,000	130	9,944	0	10,736	1,074	56	133	13	72	0	19	7	144	60	300	602	0	20	14,850

[illegible]

Quantity Assessment	Road No.:	ILPOLEI KIMANJ	Region:	LAIKIPIA	From:	0+000	To:	1+000	Page:	1
---------------------	-----------	----------------	---------	----------	-------	-------	-----	-------	-------	---

Chainage:	0+000	0+200	0+400	0+600	0+800	1+000
-----------	-------	-------	-------	-------	-------	-------

Measurements for Clearing:		Free Clearance Width for Calculating areas	
	Aver. (m) 1 to 4 readings ^{*)}		Aver. (m) 1 to 4 readings ^{*)}
Bush Clearing (Light)	7.2 6.5 7.9 7.5 7 m	6.4 6 5.5 6.5 7.6 m	13.0 13 m
Bush Clearing (Heavy)	m	m	6.7 6 7.8 6.6 6.2 m
Grubbing	6.5 6.5 6.9 6.5 6 m	6.0 6 5.5 6.0 6.6 m	5.3 6 5.6 5 4.4 m
Tree and Stump Removal	m	m	m

^{*)} Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:		Height of Cut for calculating volumes	
Height of cut < 0.25m (ETL BOTH SIDES)	1.1 0.9 1.1 1.2 1.2 m	0.6 0.8 0.4 m	1.0 0.4 1 1.2 1.5 m
Clear Width (9m)	6 6 6 6 6 m	6 6 6 6 6 m	6.0 6 6 6 6 m
Height of cut < 0.25m (ETL ONE SIDE)	m	0.3 0.3 m	m
Clear Width (9m)	m	9.0 9 m	m

For Reshaping:		Difference in Level between Exist. Camber and Side Drain for calculating volumes	
Existing Roads	m	0.43 0.43 m	#DIV/0! m
Existing Road Width	m	6 6 m	#DIV/0! m

Quantities										Total this page
Bush Clearing (Light)	1,155	m2	1,320	m2	0	m2	0	m2	0	8,000
Bush Clearing (Heavy)		m2		m2	1,670	m2	1,150	m2	1,175	0
Grubbing	905	m2	995	m2	1,150	m2	1,250	m2	1,270	7,000
Tree and Stump Removal		No.		No.		No.		No.		
										Total this page
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
Height of cut > 0.25m	660	m3 (insitu)	360	m3 (insitu)	615	m3 (insitu)	434	m3 (insitu)	0	2,069
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
Drains full re-construction	390	m3 (insitu)	248	m3 (insitu)	280	m3 (insitu)	450	m3 (insitu)	280	1,072
Drains Partial construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		

Quantities verified and accepted by the Contractor	Name:	Date:	Signature:
For the Employer	Name:	Date:	Signature:

[illegible]

Quantity Assessment	Road No.:	ILPOLEI KIMANJ Region:	LAIKIPIA	From:	1+000	To:	2+000	Page:	2
---------------------	-----------	------------------------	----------	-------	-------	-----	-------	-------	---

Chainage:	1+000	1+200	1+400	1+600	1+800	2+000
-----------	-------	-------	-------	-------	-------	-------

Measurements for Clearing:		Free Clearance Width for Calculating areas	
	Aver. (m) 1 to 4 readings*)		Aver. (m) 1 to 4 readings*)
Bush Clearing (Light)	7.8 7.5 7.5 8 8	7.8 7.5 7.5 8 8	7.8 7.5 7.5 8 8
Bush Clearing (Heavy)	7.5 7.5 8.5 8 6	7.5 9 7.5 6.5 7	7.2 7.5 7.2 6.5 7.5
Grubbing	5.4 5 5.5 5 6	4.5 6 4 3.5 4.5	4.8 5.5 5 4.3 4.2
Tree and Stump Removal	13 8 5	19 12 6 1	

*) Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:		Height of Cut for calculating volumes	
Height of cut < 0.25m (ETL BOTH SIDES)	1 1.1 1.2	1 1.4 1.3	1 0.5 1.3 1.7
Clear Width (9m)	9 9 8	8 8.7 7.4	8 7.5 7.2 8.3
Height of cut < 0.25m (ETL ONE SIDE)	1 1 1.1	1 1.1	1 0.8 0.8
Clear Width (9m)	9 9 9	9 9	9 9 9

For Reshaping:		Difference in Level between Exist. Camber and Side Drain for calculating volumes	
Existing Roads			
Existing Road Width			

Quantities										Total this page
Bush Clearing (Light)	1,450	m2	1,450	m2	1,450	m2	1,450	m2	1,450	
Bush Clearing (Heavy)	1,100	m2	1,100	m2	1,165	m2	625	m2	910	4,900
Grubbing	1,125	m2	1,300	m2	1,250	m2	950	m2	900	5,525
Tree and Stump Removal	13	No.	19	No.		No.		No.		32
										Total this page
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
Height of cut > 0.25m	58	m3 (insitu)	128	m3 (insitu)	233	m3 (insitu)	0	m3 (insitu)	0	419
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
Drains full re-construction	276	m3 (insitu)	317	m3 (insitu)	320	m3 (insitu)	100	m3 (insitu)	322	1,334
Reshaping by Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		

Quantities verified and accepted by the Contractor	Name:	Date:	Signature:
For the Employer	Name:	Date:	Signature:

[illegible]

[illegible]

Quantity Assessment	Road No.:	ILPOLEI KIMANJ	Region:	LAIKIPIA	From:	3+000	To:	4+000	Page:	4
---------------------	-----------	----------------	---------	----------	-------	-------	-----	-------	-------	---

Chainage:	3+000	3+200	3+400	3+600	3+800	4+000
-----------	-------	-------	-------	-------	-------	-------

Measurements for Clearing:		Free Clearance Width for Calculating areas	
	Aver. (m) 1 to 4 readings*)		Aver. (m) 1 to 4 readings*)
Bush Clearing (Light)	6.7 6 6.8 7 7 m	7.4 7 8 7.5 7 m	6.6 7 6 7 6.5 m
Bush Clearing (Heavy)			
Grubbing	4.4 4.5 4.5 4.5 4 m	5.1 5 5.5 5 5 m	4.9 5 4.5 5 5 m
Tree and Stump Removal	15 6 5 4 no	6 6 no	0 12 11 no

*) Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:		Height of Cut for calculating volumes	
Height of cut < 0.25m (ETL BOTH SIDES)	1 1.1 1 1.2 1.3 m	1 1.4 1.3 1.4 1.3 m	1 0.9 0.8 1.2 m
Clear Width (13m)	8 8 8 8 8 m	8 8 8 8 8 m	8 8 8 8 8 m
Height of cut < 0.25m (ETL ONE SIDE)	#DIV/0! m	#DIV/0! m	1 0.7 m
Clear Width (10.5m)	#DIV/0! m	#DIV/0! m	9 9 m

For Reshaping:		Difference in Level between Exist. Camber and Side Drain for calculating volumes	
Existing Roads			
Existing Road Width			

Quantities										Total this page
Bush Clearing (Light)	1,260	m2	1,125	m2	1,275	m2	1,325	m2	1,275	6,260
Bush Clearing (Heavy)		m2		m2		m2		m2		
Grubbing	1,325	m2	1,175	m2	1,225	m2	1,325	m2	1,350	6,400
Tree and Stump Removal	15	No.	6	No.		No.	28	No.	1	50
Total this page										

Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
Height of cut > 0.25m	228	m3 (insitu)	263	m3 (insitu)	190	m3 (insitu)	233	m3 (insitu)	153	1,066
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
Drains full re-construction	317	m3 (insitu)	334	m3 (insitu)	298	m3 (insitu)	319	m3 (insitu)	280	1,548
Reshaping by Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		

Quantities verified and accepted by the Contractor	Name:	Date:	Signature:
For the Employer	Name:	Date:	Signature:

[illegible]

Quantity Assessment	Road No.:	ILPOLEI KIMAN	Region:	LAIKIPIA	From:	4+000	To:	5+000	Page:	5
---------------------	-----------	---------------	---------	----------	-------	-------	-----	-------	-------	---

Chainage:	4+000	4+200	4+400	4+600	4+800	5+000
-----------	-------	-------	-------	-------	-------	-------

Measurements for Clearing:	Aver. (m)	1 to 4 readings*	Free Clearance Width for Calculating areas																Aver. (m)	1 to 4 readings*										
Bush Clearing (Light)	6.9	7	6.5	8	6	m	6.4	6	6.5	7	6	m	7.8	6.7	7	8	9.5	m	9.9	9.5	10	11	9.5	m	10.6	9	11	12	11	m
Bush Clearing (Heavy)						m						m						m						m						m
Grubbing	4.9	4.5	4.5	6	4.5	m	4.5	4	4.5	5.5	4	m	5.5	4	5	6	7	m	7.3	6.5	8	8	6.5	m	8.6	7	9.5	9.5	8.5	m
Tree and Stump Removal						m						m						m						m						m

* Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:	Height of Cut for calculating volumes																												
Height of cut < 0.25m (ETL BOTH SIDES)	0	0	0	0	0	m	0	0	0	0	0	m	0	0	0	0	0	m	0	0			m	0	0				m
Clear Width (13m)	9	9	9	9	9	m	9	9	9	9	9	m	9	9	9	9	9	m	9	9			m	9	9				m
Height of cut < 0.25m (ETL ONE SIDE)						m						m						m					m						m
Clear Width (10.5m)						m						m						m					m						m

For Reshaping:	Difference in Level between Exist. Camber and Side Drain for calculating volumes																												
Existing Roads						m						m						m	0.2			0.2	m	0.2	0.2				m
Existing Road Width						m						m						m	6.5			6.5	m	7	7				m

Quantities										Total this page
Bush Clearing (Light)	1,225	m2	1,325	m2	1,040	m2	625	m2	475	4,690
Bush Clearing (Heavy)		m2		m2		m2		m2		
Grubbing	1,225	m2	1,300	m2	1,100	m2	750	m2	475	4,850
Tree and Stump Removal		No.		No.		No.		No.		
Total this page										

Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	
Height of cut > 0.25m	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	
Drains full re-construction	203	m3 (insitu)	203	m3 (insitu)	203	m3 (insitu)	203	m3 (insitu)	203
Drains Partial construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	0
Reshaping by Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	0
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)	

Quantities verified and accepted by the Contractor	Name:	Date:	Signature:
For the Employer	Name:	Date:	Signature:

Road Improvement Plan										Road No.:	ILPOLEI KIMANJU Region:	LAIKIPIA	From:	5+000	To:	6+000	Page:	6		
Chain- age	Road form.	(kilometres)		5+000	5+100	5+200	5+300	5+400	5+500	5+600	5+700	5+800	5+900	6+000	6+100	6+200	6+300	6+400	6+500	
		Subgrade	Cross section																	(metres)
Earthworks/ Reshaping	Gra-vel	Method: RES, ETL or Fill		ETL	UE	ETL	UE	ETL	UE	ETL	UE	ETL	UE	ETL	UE	ETL	UE	ETL	UE	
		Choice of reshaping: L, T or E																		Volume of ETL or Fill (m3/m)
Total	1,650	Thickness (cm,comp.)		27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	
		Source (quarry No.)																		
Longitudinal gradient (in %)																				
Mitre drains	Total	Number left =20		-3	-3	-3	-3	-4	-4	-4	-4	-5	-5	-5	-5	-5	-5	-5	-5	
		Number right =																		
Catch water	Total	Length of drain left =		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Length of drain right =3																		
Culverts	N/Ex	Chainage (m)		= New / Existing line	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		CD	CD=0																	= Cross drainage
		AD=0	= Left/right																	
																				Length (m)
		Ramp	-																	
Earth fill (m3)	-			Ø 900 mm																
		Haunch Type																		
Head- walls	T4=34	T3=0	Inlet (Material/Type)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			T2=0	T1=0																Outlet (Material/Type)
50	SM=25	= Material this sheet/ Spacing left (m) =			-	-	-	-	-	-	-	-	-	-	-	-	-	-		
		SM=25	Spacing right (m) = =Total No. this sheet																	
Additional Instruction as per Reference																				

Quantity Assessment	Road No.:	ILPOLEI KIMANJI	Region:	LAIKIPIA	From:	5+000	To:	6+000	Page:	6
---------------------	-----------	-----------------	---------	----------	-------	-------	-----	-------	-------	---

Chainage:	5+000	5+200	5+400	5+600	5+800	6+000
-----------	-------	-------	-------	-------	-------	-------

Measurements for Clearing:	Aver. (m)		1 to 4 readings ^{*)}		Free Clearance Width for Calculating areas										Aver. (m)		1 to 4 readings ^{*)}													
Bush Clearing (Light)	10.1	10	10	10	10	m	9.5	9.5	9	9.5	10	m	9.3	10	9.5	8.5	m	4.5	0			9	m	8.9	9	9	9	8.5	m	
Bush Clearing (Heavy)						m						m	8.5				8.5	m	8.5	8.5	8	9	m						m	
Grubbing	8.3	8	8.5	8.5	8	m	7.5	7.0	7.5	8	7.5	m	7.0	8	7	6	7	m	7.0	7	7	7	7	m	6.8	7	7	7	6	m
Tree and Stump Removal						m	3	3				m						m	10	10				m						m

^{*)} Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:	Height of Cut for calculating volumes																													
Height of cut < 0.25m (ETL BOTH SIDES)	0.5	0.3	0.3	0.6	0.7	m	1	0.6	0.5	1.2	0.5	m	0				0	m	0	0	0	0	0	m	0	0	0	0	0	m
Clear Width (13m)	7	7	7	7	7	m	7	7	7	7	7	m	0				0	m	0	0	0	0	0	m	0	0	0	0	0	m
Height of cut < 0.25m (ETL ONE SIDE)						m						m	1			0.6		m						m						m
Clear Width (10.5m)						m						m	9			9		m						m						m

For Reshaping:	Difference in Level between Exist. Camber and Side Drain for calculating volumes																													
Existing Roads						m						m	0.2		0.2			m						m						m
Existing Road Width						m						m	7		7			m						m						m

Quantities										Total this page
Bush Clearing (Light)	585	m2	700	m2	733	m2	1,700	m2	825	4,543
Bush Clearing (Heavy)		m2		m2	900	m2	900	m2		1,800
Grubbing	550	m2	700	m2	800	m2	800	m2	850	3,700
Tree and Stump Removal		No.	3	No.		No.	10	No.		13
Total this page										
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
Height of cut > 0.25m	190	m3 (insitu)	275	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	465
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		
Drains full re-construction	251	m3 (insitu)	272	m3 (insitu)	203	m3 (insitu)	203	m3 (insitu)	203	1,131
Drains Partial construction		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
Reshaping by Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		0
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)		

Quantities verified and accepted by the Contractor	Name:	Date:	Signature:
For the Employer	Name:	Date:	Signature:

[illegible]

Quantity Assessment		Road No.: ILPOLEI KIMAN. Region:		LAIKIPIA		From: 6+000		To: 7+000		Page: 7																				
Chainage: 6+000 6+200 6+400 6+600 6+800 7+000																														
Measurements for Clearing: Free Clearance Width for Calculating areas																														
	Aver. (m)		1 to 4 readings*)							Aver. (m)		1 to 4 readings*)																		
Bush Clearing (Light)	9.1	8.5	8	10	10	m	10.4	11	10	9.5	11	m	13.0	13	13	13	13	m	9.8	10	10	10	9	m	8.8	9.5	8.5	8.5	8.5	m
Bush Clearing (Heavy)						m						m						m						m						m
Grubbing	7.8	7	8	8	8	m	8.0	9	8	7	8	m	11.0	11	11	11	11	m	7.0	7.5	7	7	6.5	m	6.3	7	6	6	6	m
Tree and Stump Removal						m						m	1	1				m						m						m
*) Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																														
Estimated measurements for small cut to fill: Height of Cut for calculating volumes																														
Height of cut < 0.25m (ETL BOTH SIDES)						m	0.0		0	0		m	0.0			0.0		m	0.0	0.0	0.0	0.0	0.0	m	0.0	0.0				m
Clear Width (13m)						m	9		9	9		m	9.0			9.0		m	9.0	9.0	9.0	9.0	9.0	m	9.0	9.0				m
Height of cut < 0.25m (ETL ONE SIDE)						m						m						m						m	0		0	0	0	m
Clear Width (10.5m)						m						m						m						m	9		9	9	9	m
For Reshaping: Difference in Level between Exist. Camber and Side Drain for calculating volumes																														
Existing Roads	0.2	0.3	0.2	0.2	0.2	m	0.2	0.2			0.2	m	0.3	0.3	0.3		0.2	m						m						m
Existing Road Width	7.8	7	8	8	8	m	8.5	9			8	m	8.3	7	8		10	m						m						m
Quantities												Total this page																		
Bush Clearing (Light)	775	m2		525	m2		0	m2		650	m2		850	m2		2,800														
Bush Clearing (Heavy)		m2			m2			m2			m2			m2																
Grubbing	650	m2		600	m2		0	m2		800	m2		950	m2		3,000														
Tree and Stump Removal		No.			No.		1	No.			No.			No.		1														
Total this page																														
Height of cut < 0.25m		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)																
Height of cut > 0.25m		m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0														
Embankment		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)																
Drains full re-construction	203	m3 (insitu)		203	m3 (insitu)		203	m3 (insitu)		203	m3 (insitu)		203	m3 (insitu)		1,015														
Drains Partial construction		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)		0														
Reshaping by Labour		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)		0														
By Equipment Based Meth.		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)																
Quantities verified and accepted by the Contractor Name: _____ Date: _____ Signature: _____ For the Employer Name: _____ Date: _____ Signature: _____																														

[illegible]

Quantity Assessment		Road No.: ILPOLEI KIMANJO		Region: LAIKIPIA		From: 7+000		To: 8+000		Page: 8	
---------------------	--	---------------------------	--	------------------	--	-------------	--	-----------	--	---------	--

Chainage:	7+000	7+200	7+400	7+600	7+800	8+000
-----------	-------	-------	-------	-------	-------	-------

Measurements for Clearing:		Free Clearance Width for Calculating areas																												
		Aver. (m) 1 to 4 readings*)												Aver. (m) 1 to 4 readings*)																
Bush Clearing (Light)	8.8	8.5	9.5	8.5	8.5	m	9.0	8.5	10	9	8.5	m	9.8	8.5	10.5	11	9.5	m	8.9	9.5	8.5	8.5	9	m	9.1	9.5	9.5	8.5	9	m
Bush Clearing (Heavy)						m						m						m						m						m
Grubbing	6.5	6.5	7	6	6.5	m	6.8	6	7.5	7	6.5	m	6.9	7.5	6.5	6.5	7	m	6.9	7.5	6.5	6.5	7	m	7.1	8	7.5	6	7	m
Tree and Stump Removal						m						m						m						m						m

*) Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).

Estimated measurements for small cut to fill:		Height of Cut for calculating volumes																												
Height of cut < 0.25m (ETL BOTH SIDES)	0	0	0			m	0	0	0	0	0	m	0		0	0		m	0		0	0		m	0		0	0		m
Clear Width (13m)	9	9	9			m	9	9	9	9	9	m	9		9	9		m	9		9			m	9		9	9	9	m
Height of cut < 0.25m (ETL ONE SIDE)						m						m						m	0				0	m	2	1.6				m
Clear Width (10.5m)						m						m						m	9				9	m	10	9.5				m

For Reshaping:		Difference in Level between Exist. Camber and Side Drain for calculating volumes																												
Existing Roads						m						m						m						m						m
Existing Road Width						m						m						m						m						m

Quantities										Total this page	
Bush Clearing (Light)	850	m2	800	m2	650	m2	825	m2	775	3,900	
Bush Clearing (Heavy)		m2		m2		m2		m2			
Grubbing	900	m2	850	m2	825	m2	825	m2	775	4,175	
Tree and Stump Removal		No.		No.		No.		No.			

Quantities										Total this page	
Height of cut < 0.25m		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)			
Height of cut > 0.25m	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	m3 (insitu)	0	0	
Embankment		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)			
Drains full re-construction	203	m3 (insitu)	203	m3 (insitu)	203	m3 (insitu)	203	m3 (insitu)	203	1,015	
Reshaping by Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)			
By Towed Grader / Labour		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)			
By Equipment Based Meth.		m3 (insitu)		m3 (insitu)		m3 (insitu)		m3 (insitu)			

Quantities verified and accepted by the Contractor	Name:	Date:	Signature:
For the Employer	Name:	Date:	Signature:

Road Improvement Plan				Road No.:	ILPOLEI KIMAN, Region:	LAIKIPIA	From:	8,100.00	To:	9+000	Page:	7						
Chain- age	Road form.	(kilometres) (metres)	Subgrade	Cross section	Method: RES, ETL or Fill Choice of reshaping: L, T or M Volume of ETL or Fill (m3/m)	Total Thickness (cm,comp.) Source (quarry No.)	Longitudinal gradient (in %)	Total Number left = Number right =	Total Length of drain left = Length of drain right =	N/Ex Chainage (m) = New / Existing line	CD CD=1 = Cross drainage AC/D AC=12 = Access culvert/drift L/R AD=0 = Left/right	Length (m) Ø 450 mm 1 Ø 600mm Ø 900 mm	Ramp Earth fill (m3) Haunch Type	T4=24 T3=0 Inlet (Material/Type) T2=1 T1=1 Outlet (Material/Type)	SM=15 = Material this sheet/ Spacing left (m) = SM=15 Spacing right (m) = =Total No. this sheet	30	Additional Instruction as per Reference	
			G															A
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td></td>	A <td>RES<td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td></td>	RES <td>U/E<td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td></td>	U/E <td>27.5<td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td></td>	27.5 <td>0<td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></td>	0 <td>3<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
			G <td>A<td>RES<td>U/E<td>27</td></td></td></td>	A <td>RES<td>U/E<td>27</td></td></td>	RES <td>U/E<td>27</td></td>	U/E <td>27</td>	27											

Quantity Assessment		Road No.: ILPOLEI KIMAN. Region:		LAIKIPIA		From: ##		To: 9+000		Page: 7																				
Chainage: 8+100 8+300 8+500 8+700 8,900.0 9+000																														
Measurements for Clearing: Free Clearance Width for Calculating areas																														
	Aver. (m)	1 to 4 readings*)						Aver. (m)					1 to 4 readings*)																	
Bush Clearing (Light)	9.1	8.5	8	10	10	m	10.4	11	10	9.5	11	m	13.0	13	13	13	13	m	9.8	10	10	10	9	m	8.8	9.5	8.5	8.5	8.5	m
Bush Clearing (Heavy)						m						m						m						m						m
Grubbing	7.8	7	8	8	8	m	8.0	9	8	7	8	m	11.0	11	11	11	11	m	7.0	7.5	7	7	6.5	m	6.3	7	6	6	6	m
Tree and Stump Removal						m						m	1	1				m						m						m
*) Note: The user is free to select the number of reading required according to the site conditions. (min. 1 max. 4 for each section).																														
Estimated measurements for small cut to fill: Height of Cut for calculating volumes																														
Height of cut < 0.25m (ETL BOTH SIDES)						m	0.0		0	0		m	0.0			0.0		m	0.0	0.0	0.0	0.0	0.0	m	0.0	0.0				m
Clear Width (13m)						m	9		9	9		m	9.0			9.0		m	9.0	9.0	9.0	9.0	9.0	m	9.0	9.0				m
Height of cut < 0.25m (ETL ONE SIDE)						m						m						m						m	0		0	0	0	m
Clear Width (10.5m)						m						m						m						m	9		9	9	9	m
For Reshaping: Difference in Level between Exist. Camber and Side Drain for calculating volumes																														
Existing Roads	0.2	0.3	0.2	0.2	0.2	m	0.2	0.2		0.2	m	0.3	0.3	0.3		0.2	m							m						m
Existing Road Width	7.8	7	8	8	8	m	8.5	9			8	m	8.3	7	8	10	m							m						m
Quantities												Total this page																		
Bush Clearing (Light)	775	m2		525	m2		0	m2		650	m2		850	m2		2,800														
Bush Clearing (Heavy)		m2			m2			m2			m2			m2																
Grubbing	650	m2		600	m2		0	m2		800	m2		950	m2		3,000														
Tree and Stump Removal		No.			No.		1	No.			No.			No.		1														
Total this page																														
Height of cut < 0.25m		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)																
Height of cut > 0.25m		m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0	m3 (insitu)		0														
Embankment		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)																
Drains full re-construction	203	m3 (insitu)		203	m3 (insitu)		203	m3 (insitu)		203	m3 (insitu)		203	m3 (insitu)		1,015														
Drains Partial construction		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)		0														
Reshaping by Labour		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)		0														
By Equipment Based Meth.		m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)			m3 (insitu)																
Quantities verified and accepted by the Contractor Name: _____ Date: _____ Signature: _____ For the Employer Name: _____ Date: _____ Signature: _____																														

[illegible]

