

PRFPO FOR CM 20/2/12				
Purchase Request	Purchase Order	Name	Item	Price Euro
5294	5456	Bitmac	30 bags road repair material	127.50
5295	5458	CEB Metals Ltd	1 bag road material (trial)	25.96
5296	5459	Print Right Ltd	4000 complimentary slips	140.00
5297	5460	Joseph Baldachino - Flower Arts	flower arrangement for baby girl (Mr and Mrs D Marmara)	20.00
5298	5461	Koperattiva Tabelli u Sinjali	pole 12 ft	17.10
5299	5462	Koperattiva Tabelli u Sinjali	keep left sign on pole with bombata on central strip Zabbar Rd	80.75
5300	5463	Kenneth Hardware Stores	hire of jigger on 17/1/12 (Triq Buqexrem)	23.00
5301	5464	Saliba Bros Ltd	1 yrd konkos ghar-rampa	65.81
5302	5466	Smart Office Supplies	archive boxes large, staple remover, flip charts, rulers, index	221.92
5303	5467	Wilson Mifsud	PVC, lever arch files, 5 boxes copy paper	175.00
5304	5468	Vince Ironmongery	zbir Triq il-Bieb	19.84
5305	5465	Francis Service Station	pkt rollers bil-handles	40.00
5306	5469	Fgura Primary School B	diesel IBL985	
5307	5470	Playcraft	re use of hall for Annual Locality Meeting, pa system, 200 chairs, use of projector on Wed 15/2/12	50.00
5308	5471	Kenneth Hardware Stores	25 ribbons in red and yellow for medals	171.00
5309	5472	Fgura Primary School B	hire of jigger on 24/1/12, 2 xkejjer ramel, xkora cement	23.20
5310	5473	Koperattiva Tabelli u Sinjali	use of hall on 22/2/12 at 5pm 100 chairs/table	50.00
5311	5474	UV Print	traffic and information signs as per delivery note 2534	356.79
5312	5475	Fgura United Football Club	100 stickers weather proof	110.92
5313	5476	3D Door to Door Distributions	re meals served during Jum il-Fgura Activities on 23/10/11 to sport coaches	80.00
5314	5478	Francis Service Station	distribution of 4000 copies re Laqgha tal-Lokalita'	141.60
5315	5479	CSD Office Trade	diesel IBL985	40.00
5316	5480	Vince Ironmongery	plain envelopes, wide/narrow tape, A4 photocopy paper, yellow notes, UHU stick, plastic folders	181.82
5317	5481	Vince Ironmongery	2 culvert tal-plastic	10.37
5318	5477	CEB Group	6 no parking signs	9.90
5319	5482	Kenneth Hardware Stores	road repair material	363.44
5320	5483	Vince Ironmongery	hire of jigger, plakka, xkora cement, 2 xkejjer ramel	26.98
5321	5484	Calamatta Landscapes Ltd	extension, 14 -il vit stainless steel bil-kavilji	47.07
5322	5485	Schembri Concrete Blocks Ltd	pot - art 32 - 56cm H x 51cm W x 51cm L	77.92
5323	5486	Vince Ironmongery	2 kurduni slanting	8.40
5324	5487	Saliba Bros Ltd	xkora zrar	1.50
			lyrd konkos ghal bankina on 3/2/12	72.89

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5325	5488	Microchip Computers	toner for Sumsung ML 2850B	120.01
5326	5489	Keith Muscat - KM Installations	installation of waterproof box for camera meter in Wesghat il-Kunsill tal-ewropa Figura	375.70
5327	5490	Keith Muscat - KM Installations	installation of electric supply from an existing pump room to a box on pole in Piazza Patri Redent Gauci Figura re quote KM06/12	200.20
5328	5491	Vince Ironmongery	3 xkejjer ramel	4.50
5329	5492	Bitmac	30 bags road repair material	127.50
5330	5493	Malcolm Borg	advisory services re trees in Zabbar Rd and Hompesch Rd Figura	200.00
5331	5494	Compunet Operations Ltd	photo conductor unit for Epson CX 21 NF	260.00
5332	5495	Saliba Bros Ltd	rimi ta' skart on 19/1/12	4.87
5333	5496	Francis Service Station	diesel IBL985	40.00

Skeda tal-Hlasijiet - Rapport ta' Xiri u Pagame
Data:-18/1/12 sa 9/2/12

Fornitur	Ammont tal-Invoice	Ammont li ser jifhallas	Metodu*	Deskrizzjoni	Data tal-Invoice	Nru. tal-Invoice	Nru. tal-PR	Nru. Tal-PO	Nru. tan-Nominal Account	Nru. Tac-Cekk
1 Go plc	€21.51	€21.51	D	bill no 27289661 re tel 21664222 kera 1/1/12-31/1/12 konsum 1/1/12-31/1/12/11	10/01/12	27289661	nil	nil		7217
2 Go plc	€62.94	€62.94	D	bill no 27289637 re tel 21667649 kera 1/1/12-31/1/12 konsum 1/1/12-31/1/12/11	10/01/12	27289637	nil	nil		7218
3 Go plc	€24.88	€24.88	D	bill no 27289656 re tel 21664000 kera 1/1/12-31/1/12 konsum 1/1/12-31/1/12/11	10/01/12	27289656	nil	nil		7219
4 Go plc	€114.66	€114.66	D	bill no 27316810 re mob 79664222 for Dec 11	11/01/12	27316810	nil	nil		7220
5 Commissioner of Inland Revenue	€91.02	€91.02	D	re tax adjustment for 2011	18/01/12	nil	nil	nil		7221
6 Go plc	€58.95	€58.95	D	bill no 27297233 re tel 21805907 and ADSL kera 1/1/12-31/1/12 konsum 1/12/11-31/12/11	10/01/12	27297233	nil	nil		7222
7 Mailpost plc	€50.00	€50.00	D	stamps	nil	nil	nil	nil		7224
8 Byron Camilleri	€1,282.67	€1,282.67	D	mayor's honoraria for Jan 12	nil	nil	nil	nil		DC
9 Christopher Cutajar	€2,246.61	€2,246.61	D	payroll Jan 12 and performance bonus	nil	nil	nil	nil		DC
10 A'Maris Curmi	€961.18	€961.18	D	payroll Jan 12	nil	nil	nil	nil		DC
11 M'Rose Bilocca	€1,014.81	€1,014.81	D	payroll Jan 12	nil	nil	nil	nil		DC
12 Cynthia Grech Plumpton	€1,244.39	€1,244.39	D	payroll Jan 12	nil	nil	nil	nil		DC
13 Joseph Caruana	€30.90	€30.90	D	performance bonus	nil	nil	nil	nil		7225
14 Philip Massa	€566.20	€566.20	D	performance bonus	nil	nil	nil	nil		7226
15 Rritanne Bonnici	€886.06	€886.06	D	payroll Jan 12	nil	nil	nil	nil		7227
16 Melita plc	€15.80	€15.80	D	inv 31644680 re tel 27664000 from 8/1/12-7/2/12	08/01/12	31644680	nil	nil		7228
17 Commissioner of Inland Revenue	€2,983.98	€2,983.98	D	NI and tax for Jan 12	nil	nil	nil	nil		7230
18 Self	€110.00	€110.00	D	petty cash reimbursement for Jan 12	nil	nil	nil	nil		7231
19 Arms Ltd	€73.35	€73.35	D	inv 14614528 re A/c 101000197207 Club Pjazza Redent Ganci for 22/9/11-21/11/11	26/01/12	14614528	nil	nil		7232
20 Arms Ltd	€264.48	€264.48	D	inv 14614527 - re A/c 101000197102 Pjazza Redent Ganci period 22/9/11-21/11/11	26/01/12	14614527	nil	nil		7233
Sub Total c/f	€12,104.39	€12,104.39								
Total	€12,104.39	€12,104.39								

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Segretarju Eżekuttiv

Approvati fu-Seduta Nru:

D - Direct Order, T - Tender, K - Kwotazzjonijiet, PP - Part Payment, PF - Paid in Full

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Skeda tal-Flasjiet - Rapport ta' Xiri u Pagame
Data:-18/1/12 sa 9/2/12

Data:

Fornitur	Ammont tal-Invoice	Ammont li ser jifhallas	Metodu	Deskrizzjoni	Data tal-Invoice	Nru. tal-Invoice	Nru. tal-PR	Nru. Tal-PO	Nru. tan-Nominal Account	Nru. Tal-Cekk
21 Amis Ltd	€233.03	€233.03	D	inv 14669744 re A/G 101000179161 - re niche of Our Lady on St John Triq il-Karminu period. 1/10/11-30/1/11	02/02/12	14669744	nil	nil		7235
22 Mailpost plc	€50.00	€50.00	D	stamps	nil	nil	nil	nil		7236
23 Smart Office Supplies	€221.92	€221.92	D	inv 13028188 - archive boxes, staple remover, flip chart, ruler, index PVC, lever arch files, 5 boxes copy paper	18/01/12	13028188	5302	5466		
24 Kenneth Hardware Stores	€23.00	€23.00	D	inv I-0112 - hire of jigger on 17/1/12 Triq Buqextren	17/01/12	I-0112	5300	5463		
25 Wilson Mifsad	€170.00	€170.00	T	inv re removal of dead palm tree in Onten Reggie Miller	28/12/11	nil	5206	5364		
26 Koperattiva Tabelli u Sinjali	€356.79	€356.79	T	inv I5886 - traffic and information signs as per delivery note 2534	20/01/12	15886	5310	5473		
27 Salvu Tanti	€1,150.00	€1,150.00	D	inv 10001 - re xoghol tal-istitut	nil	10001	5258	5420		
28 Figura United Football Club	€430.00	€430.00	D	inv 004201/12, 005201/12 - hire of 2 pitches on 23/10/11 for 4hrs from 11am to 3pm (Jum il-Figura 2011) and 10 meals served to sport coaches on 23/10/11	19/01/12	004201/12 - 005201/12	5129-5312	5286-5475		
29 Clean Master Co Ltd	€274.94	€274.94	D	inv 001435 - re hire of 5 potatoe on 7/1/11	26/01/12	1435	5034	5190		
30 Kenneth Hardware Stores	€23.20	€23.20	D	inv I-0311 - hire of jigger on 24/1/12, 2 xkejjer ranel, xkora cement	24/01/12	I-0311	5308	5471		
31 Print Right Ltd	€165.20	€165.20	D	inv 843 - 4000 complimentary slips	19/01/12	843	5296	5459		
32 Joseph Baldochino	€20.00	€20.00	D	inv re flower arrangement for a new baby	25/01/12	nil	5297	5460		
33 Maltrev & Associates Ltd	€1,121.00	€1,121.00	D	inv 856 - surveying services at Figura	25/01/12	856	5292	5454		
34 Vince Ironmongery	€93.18	€93.18	D	inv 38297,38298,40051, 38299, 38300, 40052 - re rollers and handles, no parking sign stickers, xkora zrar, extension, viti u kavijji stainless steel, leniverte plastic, 3 xkejjer ranel	20/1/12,	38297-38298-40051-38299-38300-40052	5304-5317-5323-5320-5316-5328	5468-5481-5486-5483-5480-5491		
35 Saliba Bros. Ltd	€70.68	€70.68	D	INV 10471 - 1 yrd konkos ghar-rampa Triq Buqextren, rimi ta' skart	20/01/12	10471	5301-5332	5464-5495		
36 C.S.D. Office Trade	€184.18	€184.18	D	inv 37975 - envelopes, tape, photocopy paper, yellow paper, UHU stick, plastic folders	31/01/12	37975	5315	5479		
37 Hompesch Stationery	€97.20	€97.20	D	inv 7055576 - newspapers for Jan 12	01/02/12	7055576	nil	nil		
38 Kenneth Hardware Stores	€26.98	€26.98	D	inv I-0536 - hire of jigger, plakkta, xkora cement, 2 xkejjer ranel	01/02/12	I-0536	5319	5482		
39 Schembri Concrete Blocks Ltd	€8.40	€8.40	D	inv 080895 - 2 kurdumi slanting	02/02/11	80895	5322	5485		
40 Information Technology Services Ltd	€177.00	€177.00	D	Sor120053 - renewal notice software support agreement	07/02/12	Sor 120053	nil	nil		
Sub Total c/f	€4,896.70	€4,896.70								
Sub Total b/f	€12,104.39	€12,104.39								
Total	€17,001.09	€17,001.09								

Approvati fls-Seduta Nru:

D - Direct Order, T - Tender, K - Kwotazzjonijiet, PP - Part Payment, PF - Paid in Full.

Sindku

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Segretarju Eżekuttiv

Kunsillier

Skeda tal-Haslijiet - Rapport ta' Xiri u Pagami
Data: -18/1/12 sa 9/2/12

Fornitur	Ammont tal-Invoice	Ammont li ser jifhallas	Metodu *	Deskrizzjoni	Data tal-Invoice	Nru. tal-Invoice	Nru. tal-PR	Nru. Tal-PO	Nru. tan-Nominal Account	Nru. Tac-Cekk
41 Microchip Computers	€120.01	€120.01	D	inv 221083 - toner for Samsung ML 2850B	07/02/12	221083	5325	5488		
42 Keith Muscat	€375.70	€375.70	D	Ref KM02/12 - installation of waterproof box for camera meter in Weighat il kunsill tal-Ewropa Fgura	17/01/12	KM02/12	5326	5489		
43 Sterling Security	€107.38	€107.38	D	inv 13865 re warden services on 8/1/12	02/02/12	13865	nil	nil		
44 Nexos Street Lighting *	€1,594.70	€1,594.70	T	inv 2010241 - repairs to street lighting	04/02/12	2010241	nil	nil		
45 Melita Unipol Insurance Brokers Ltd	€3,199.29	€3,199.29	T	inv 60017-60027-60018-60019-60020-60024-60030-60023 re renewals of accidental property damage insurance policy, electronic equipment insurance policy, group personal accident insurance policy, money insurance policy, fidelity guarantee insurance policy, public liability insurance policy and employers' liability insurance policy from 1/2/12 - 31/1/13	03/02/12	60017-60027-60028-60018-60019-60020-60024-60030-60023	nil	nil		
46 R&A Waste Services Ltd	€4,960.57	€4,960.57	T	inv 8920 - collection of waste for Jan 12	31/01/12	8920	nil	nil		
47 Wilson Mifsud	€1,439.47	€1,439.47	T	inv no 4 re work on soft areas for Jan 12	31/01/12	4	nil	nil		
48 Wilson Mifsud	€2,621.26	€2,621.26	T	inv 12 - re street sweeping and cleaning for Jan 12	31/01/12	12	nil	nil		
49 David Mangion	€147.14	€147.14	T	inv 7208922 - re contract manager fee re collection of Waste for Jan 12	03/02/12	7208922	nil	nil		
50 David Mangion	€44.49	€44.49	T	inv 7208923 - re contract manager fee re work on soft area for Jan 12	03/02/12	7208923	nil	nil		
51 David Mangion	€78.45	€78.45	T	inv 7208924 - re contract manager fee re inv street sweeping for Jan 12	03/02/12	7208924	nil	nil		
52 Dimbros Ltd	€877.61	€877.61	T	inv 132 - re bulky refuse collection for Jan 12	31/01/12	132	nil	nil		
53 C.E.B. Metals Ltd	€363.44	€363.44	D	inv M12012 - road repair material	01/02/12	M12012	5318	5477		
54 Francis Service Station	€120.00	€120.00	D	inv 19 - diesel IBL 985	04/02/12	19	5314-5305-5293	5478-5465-5455		
55 Nazareno Farrugia	€197.34	€197.34	D	inv 25 - re librarian services for Jan 12	02/02/12	25	nil	nil		
56 Mariene Gerada	€197.34	€197.34	D	inv 25 - re librarian services for Jan 12	02/02/12	25	nil	nil		
57 European Cities Against Drugs	€200.00	€200.00	D	inv 4883 - re membership fee for 2012	24/01/12	4883	nil	nil		bank draft
58										
59										
60										
Sub Total c/f	€16,644.19	€16,644.19								
Sub Total b/f	€17,001.09	€17,001.09								
Total	€33,645.28	€33,645.28								

* no certification from contract manager

Approvati fu-Seduta Nru:

D - Direct Order, T - Tender, K - Kwotazzjonijiet, PF - Part Payment, PF - Paid in Full.

Sindku



Segretarju Eżekuttiv

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Skeda tal-Haslijiet - Rapport ta' Xiri u Pagamenti
date 9/2/12 - 16/2/12

Forutur	Ammont tal-Invoice	Ammont li ser Jithallas	Metodu*		Deskrizzjoni	Data tal-Invoice	Nru. tal-Invoice	Nru. tal-PR	Nru. Tal-PO	Nru. tan-Nominal Account	Nru. Tal-Cekk
			D	PF							
1	€30.00	€30.00	D	PF	inv 31684044 re fibre powered internet from 1/2/12-29/2/12	01/02/12	31684044	nil	nil		7237
2	€413.61	€413.61	D	PF	inv 14691654 - re AC 101000032943 re Public Garden Pjazza Prati Resident Gauci from 23/6/11 -12/12/11	06/02/12	14691654	nil	nil		7238
3	€35.50	€35.50	D	PF	re advert in Independent of the 15/2/12	nil	nil	nil	nil		7239
4	€208.08	€208.08	T	PF	inv FLC/012/01 - maid service for Jan 12	08/02/12	FLC/012/01	nil	nil		
5	€77.92	€77.92	D	PF	inv 4481 - pot art 32	07/02/12	4481	5321	5484		
6	€200.00	€200.00	D	PF	inv re advisory services re trees in Zabbar and Hompesch Roads Figura	14/02/12	nil	5330	5493		
7	€120.88	€120.88	K	PF	inv 79218 - re copy count Jan 12	31/01/12	79218	nil	nil		
8	€10.97	€10.97	D	PF	inv 30089033 - basic service to fire extinguishers	02/02/12	30089033	5336	5499		
9	€150.00	€150.00	D	PF	FAA 26340212/032 - re report re proposed embellishment of existing playing field in Figura	09/02/12	FAA26340212/032	5335	5498		
10	€135.47	€135.47	T	PF	inv 1712 - re professional fees re miscellaneous works on footpaths in Figura	03/02/12	17-Dec	nil	nil		
11	€11,726.37	€11,726.37	T	PF	inv no 1 re final bill re miscellaneous works on footpaths in Figura (less permit fee RWPI-0007/12)	13/02/12	1	nil	nil		
12	€52.50	€52.50	D	PF	inv 2243 re copies of architectural drawings	14/02/12	2243	5337	5501		
13	€69.88	€69.88	D	PF	inv 1 re hire of crane on 22/6/11	15/02/12	1	5017	5173		
14	€63.76	€63.76	D	PF	inv 21098658 - mineral water	04/02/12	21098658	nil	nil		
15	€30.80	€30.80	D	PF	inv 40053 - 2 pjanci	15/02/12	40053	5338	5502		
16	€260.00	€260.00	D	PF	inv 1405 - Epson photoconductor unit	07/02/12	1405	5331	5494		
17											
18											
19											
20											
Sub Total c/f		€13,585.74									
Total		€13,585.74									

Segretarju Eżekuttiv

Sindku

Approvati fis-Sekreta Nru:

D - Direct Order, T - Tender, K - Kwotazzjonijiet, PF - Part Payment, PF - Paid in Full.

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Dok 'D'

LOCAL COUNCIL FGURA

ANNUAL BUDGET

FOR THE PERIOD ENDING 31 December 2012

Contents	Page
Summary of Budgeted performance	1
Details of Budgeted Income	2
Notes on Budgeted Income	3
Details of Budgeted Recurrent Expenditure	4
Details of Budgeted Capital Expenditure	4
Notes on Budgeted Expenditure	5
Budgeted Cash & Cash Equivalents movement	6
Notes to the Budget Cash Flow	7

2.1 Consolidated Estimates of Income and Expenditure

ACCT NO.	DESCRIPTION DESCRIPTION	a	b	c	c-a/a-c	c-b/b-c
		BUDGET 2011 - 12 2011 Euro	FORECAST 2011 - 12 2011 Euro	BUDGET 2012 - 13 2012 Euro	VAR BUD-BUD BUD-BUD Euro	VAR BUD-FOR BUD-FOR Euro
2	Income					
0000	Government	600,060	559,715	699,950	99,890	140,235
0020	Bye-laws	73,000	126,006	53,000	(20,000)	(73,006)
0090	Investment	6,000	3,620	3,000	(3,000)	(620)
0100	General	-	811	1,000	1,000	189
	TOTAL	679,060	690,152	756,950	77,890	66,798
1	Expenditure					
1000	Personal emoluments	113,150	108,401	140,600	(27,450)	(32,199)
2000	Operations and maintenance	412,400	558,836	512,500	(100,100)	46,336
7000	Capital Expenditure	487,784	131,700	896,255	(408,471)	(764,555)
	TOTAL	1,013,334	798,937	1,549,355	(536,021)	(750,418)
	Balance	(334,274)	(108,785)	(792,405)	(458,131)	(683,620)

The budgeted deficit is to be supplemented through accumulated cash surplus at the end of 31 December 2011 and further loan withdrawal.

Schedule 2.2 Detailed Estimates of Income

Notes to the Budgeted Income

- 1 The Financial Allocation for the year 2012 is based on National Budget allocation of € 529384.
- 2 The income from Urban Improvement funds is based on works that are estimated to be completed by 31 December 2012.
- 3 The income from Permit fees is based on the value of the similar revenue stream for the last financial year.
- 4 The income from the Law Enforcement System (LES) is being estimated on the settlement of fines that accrued to the Council up to 31 August 2011, the movement in sentenced cases on fines that were outstanding up to 31 August 2011 and the estimated commission from the Regional Committees on the payment of fines at the Council's cash point.
- 5 The income from WSC is in line with the agreement reached between the two parties.

2.3 Detailed Estimates of Expenditure

ACCT NO.	DESCRIPTION DESCRIPTION	a	b	c	a-c	b-c
		BUDGET 2011 - 12 2011 Euro	FORECAST 2011 - 12 2011 Euro	BUDGET 2012 - 13 2012 Euro	VAR BUD-BUD BUD-BUD Euro	VAR BUD-FOR BUD-FOR Euro
1	Expenditure					
1000	Personal Emoluments					
1100	Mayor's Honoraria/allowance	9,500	9,546	9,600	(100)	(54)
1101	Council Members' Allowance	10,000	10,780	11,000	(1,000)	(220)
1200	Employee salaries and wages	71,000	71,956	100,000	(29,000)	(28,044)
1300	Bonuses	10,000	6,000	7,000	3,000	(1,000)
1400	Income supplements	650	918	1,000	(350)	(82)
1500	Social Security contributions	7,000	6,010	7,000		(990)
1600	Allowances	-	191	1,000	(1,000)	(809)
1700	Overtime	5,000	3,000	4,000	1,000	(1,000)
		113,150	108,401	140,600	(27,450)	(32,199)
2000	Operations and maintenance					
2100	Utilities	15,000	15,543	16,000	(1,000)	(457)
2200	Materials and supplies	1,500	2,236	2,500	(1,000)	(264)
2300	Repair and upkeep	20,000	34,579	35,000	(15,000)	(421)
2400	Rent	7,400	8,400	9,000	(1,600)	(600)
2500	National/International memberships	2,000	765	800	1,200	(35)
2600	Office services	18,000	14,832	15,000	3,000	(168)
2700	Transport	3,500	1,861	2,000	1,500	(139)
2800	Travel	2,000	366	700	1,300	(334)
2900	Information services	2,500	3,242	4,000	(1,500)	(758)
3000	Contractual services	200,000	228,086	250,000	(50,000)	(21,914)
3100	Professional services	20,000	22,875	25,000	(5,000)	(2,125)
3200	Training	2,000	4,056	4,000	(2,000)	56
3300	Community and hospitality	18,500	19,246	38,500	(20,000)	(19,254)
3400	Incidental expenses	1,000	33,090	5,000	(4,000)	28,090
3600	Law Enforcement System	35,000	60,554		35,000	60,554
8000	Depreciation charge	55,000	73,740	80,000	(25,000)	(6,260)
8100	Provision for DD	9,000	35,365	25,000	(16,000)	10,365
		412,400	558,836	512,500	(100,100)	46,336
7000	Capital Expenditure					
7001	Acquisition of property	337,385	62,506	400,000	(62,615)	(337,494)
7100	Construction	-		322,455	(322,455)	(322,455)
7200	Improvements	100,000	65,653	133,200	(33,200)	(67,547)
7300	Equipment	-	3,541	4,000	(4,000)	(459)
7500	Special programmes	50,399		36,600	13,799	(36,600)
		487,784	131,700	896,255	(408,471)	(764,555)
TOTAL		1,013,334	798,937	1,549,355	(536,021)	(750,418)

2.3 Detailed Estimates of Expenditure

Notes to the Budgeted Operating Expenditure

- 1 The payroll cost is estimated to increase in line with the increase for the COL, the increase in employee payroll cost as a result of promotion and a contingency to cover unforeseen circumstances. The increase in the Mayor's remuneration of 1/2 MP's salary and the allowance to all 9 Council Members is also taken into consideration. Also taken into consideration is the full year effect of the Executive Secretary and the promotion of two employees from scale 15 to scale 13.
- 2 The repayment of loan interest and capital are also taken into consideration in the cash flow.

Notes to the Budgeted Capital Expenditure

- 1 The budgeted capital expenditure includes the following:
 - (a) Resurfacing of Triq Meriba, Triq Koppla and Triq San Gwann at an estimated cost of - € 161,155 out of Council Funds. These works were also included in the budget for 2011 but the Council was faced with the situation where the selected contractor did not honour his contractual obligation. The Council issue a separate tender for works that will be adjudicated by the end of February 2012;
 - (b) The Council plans to reconstruct various pavements in the locality during 2012 at an estimated cost of € 161,300;
 - (c) Conclusion of works in Triq Bormla and Triq Karmnu estimated cost of - € 99,569 and € 83,470 respectively. The works will be carried out under the Private Public Partnership agreement that provides for the payment to the Contractor spread over 9 (nine) years. For the purpose of this budget the Council is estimating a cash outlay of approximately € 36,600;
 - (d) Extension of existing library at an estimated cost of - € 12,000;
 - (e) The cost of Murials in Wesghat il-Kunsill tal-Ewropa at an estimated cost of € 6,200 funded 50:50 by the Council and the Central Government;
 - (f) The expense related to the setting up of a Website estimated at € 3,000 and an estimate of € 1,000 for office equipment;
 - (g) The embellishment of Gnien Redent Gauci at an estimated cost of € 62,000. The Council applied for financing;
 - (h) Installation of Trees along Zabbar Road, from Gallarija to Tip Top at an estimated cost of - € 15,000;
 - (i) Housing Authority to finance €50,000 for the Maintenance programme in common areas of Government Blocks.
- 2 The demolishing works of the property in hand, on which site the Council plans to build its new premises, is

Cash Budget

	At 31 December 2011 as per bank	958,099.00	
	less unpresented cheques	(51,836.00)	
	At 31 December 2011 as per books		906,263.00
Add:	Budgeted Receipts for 2012	756,950.00	
	Less 50% WSC estimated receivable after end 2012	(7,500.00)	
	Less non-cash item LES sentenced cases	(15,000.00)	
	Further loan withdrawal (already approved)	<u>186,350.00</u>	920,800.00
			<u>1,827,063.00</u>
Deduct:	Budgeted Recurrent Payments for 2012		
	Payroll	140,600.00	
	Operating Expenditure	512,500.00	
	Less non-cash item Depreciation	(80,000.00)	
	Less non-cash item Provision for DD	<u>(25,000.00)</u>	407,500.00
Deduct:	Payments of liabilities outstanding at 31 Dec 11	<u>182,772.00</u>	730,872.00
Deduct:	Loan repayments		30,000.00
Deduct:	Budgeted Capital Payments for 2012		896,255.00
	Budgeted Cash & Equivalents at 31 December 2012		169,936.00
	5% Provision for +ve balance as per financial procedures		32.10%

Notes to the Cash Flow

- 1 The receipts and payments included in this cash flow refer to the estimated cash income and cash expenditure
- 2 The contingences include:
(a) Provision for Pending Court Case € 3,494;
- 3 The cash balance at end works out at 32.1% of the € 529384 income from the Central Government Allocation.

BRIEF STUDY ON STREET TREES IN ZABBAR ROAD AND HOMPSCH ROAD FGURA

This study looks at two options of introducing street trees in Fgura's main vehicular thoroughfare. It investigates the strengths and weaknesses of pot and well tree planting and the typical make up of both systems. A plant list is proposed and estimated costs forwarded.

11 February 2012



Why are street trees important? What is their role?

Contrary to what was once thought, street trees are of great value to the community, they provide a significant number of benefits including social, psychological and financial. Unfortunately these benefits are generally overseen and as a consequence there are those who still opt to exclude them from the urban environment. With global warming and health hazard due to high solar radiation and air pollution, street trees should be a default element in street design rather than a luxury item.

Problems related to street trees are a consequence of bad design, bad detailing and bad choice of species. Trees should be located in such a way as to allow for site lines at intersections, not block illumination from street lamps and not impact on services both underground and overhead.

Although proper and appropriate tree planting in urban areas can be costly, the return in benefits is priceless and is considered as part-and-parcel of a sustainable community.

Following is a list of benefits acquired from the inclusion of trees in urban roads:

Create a safer environment for pedestrians

Trees delineate the street and with proper design indicate the hierarchy of streets. They also help identify pedestrian movement corridors. Trees also act as physical barriers in the event of cars veering off the road thus helping to reduce casualty numbers.

Increase personal security

Trees create an atmosphere which is ideal for the pedestrian. They encourage pedestrianisation, social interaction, and ownership of place. As a consequence there is increased surveillance and security to homes and businesses.

Visual interest

Appropriately selected tree species create a pleasant environment. Deciduous trees provide seasonal change and visual stimuli as do flowering tree species. Other species also provide olfactory stimuli related to seasonal change.

Increase in business

Business increases due to the attractiveness of the street and the fact that people are attracted to tree lined streets.

Flood mitigation

Most of the precipitation and water run-off that ends up in the soil is absorbed into the ground. This is either taken up by the root system or percolates into the ground to replenish ground water. Furthermore trees accumulate and absorb precipitation through their leaves and allow its evaporation into the atmosphere. Water which is absorbed into the soil or settles on the canopy would have otherwise contributed to the flooding problem.

Microclimate

It is common knowledge that the sun's radiation, especially in the summer months, is a health hazard to those exposed to it. Trees block the sun's rays and reduce the temperature by as much as 3-5degreesC below the canopy and shades the pavement making walking in summer a bearable activity.

The shade cast by trees also reduces the heat island effect. Solar radiation which is normally absorbed by paving and buildings and radiated back in the night is absorbed by the tree prohibiting the underlying hard surfaces from heating up. This reduction in atmospheric temperature means that less energy is used to condition the ambient temperature in dwellings. This results in less use of fossil fuel and lower electricity bills.

Replenishing of air

By default, streets are polluted areas. Cars emit exhaust and increase particulate matter into the atmosphere. There is an increase in carbon which contributes to global warming. Trees have the potential to sequester carbon dioxide and emitting oxygen through photosynthesis and are also able to absorb particulate matter.

Create a more aesthetically pleasing environment

Trees appeal to us. They 'dress up' the street and render it more attractive. They also help to integrate high structures into the context. When properly placed trees are able to frame desirable views and musk those undesired.

Psychological and emotional feelings

Unattractive environments cause psychological and emotional distress even if the symptoms and consequences are not always obvious or clear. Tree lined streets and the integration of vegetation into cities help to reduce daily pressures and is attributed to improved emotional and psychological behavior. Research has found that greening of cities contribute to a reduction in crime and anti-social behavior.

Added value of adjacent property

A more desirable environment means that property is sought after more. The direct effect of this is that the property value increases benefiting society and the economy.

Habitat creation and connection to nature

Humans are part of nature and we rely on it for our well-being. Unfortunately this is not often understood and people forget that without nature the quality of life is jeopardized. Trees portray comfort and reassurance into peoples sub conscience. Furthermore trees provide a setting for important and beneficial animals which enrich our daily life.

Christopher Alexander et al, in 'A Pattern Language' (1977), states that '*there is an indication that trees, along with houses and other people, constitute one of the three most basic parts of the human environment*'. The fact that trees are considered in par with houses and people constitute a very powerful indication of their importance. However the way that trees are being planted in our urban areas do not satisfy people's want for trees. Trees have the potential to create significantly meaningful places. Only when a tree's potential is allowed to develop will its significance and meaning be appreciated.

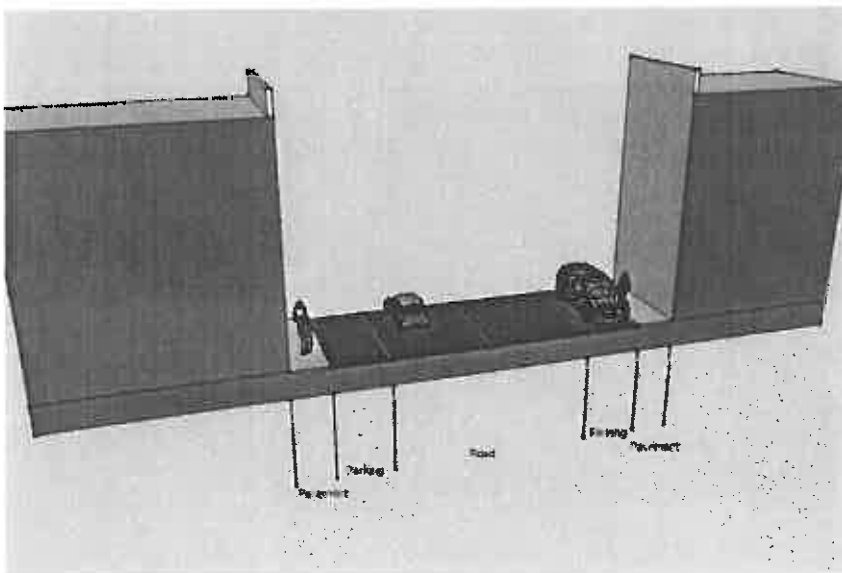
The ability for trees to survive is greatly dependent on the root system it develops and care given. In a garden or in a field, roots spread beyond the tree canopy in search of water, nutrients and air. To develop well, roots also require an uncompacted soil. In urban areas, the growing condition of roots is far from ideal. The soil is generally compacted and poor with relatively little or no air pockets. As roots cannot penetrate the compacted soil, they will tend to develop close to the surface in the void beneath the paving slabs causing pavement upheaving.

Choice of species is also an important aspect. Different species have different characteristics. Such characteristics have to be understood for the right choice to be made. For example, *Ficus nitida* is a widely used plant in street design. Unfortunately this species is very aggressive and have contributed to the common perception that trees in general cause damage to services, paving and buildings. Furthermore not enough effort is put in the detailing and construction of tree pits to reduce the potential damage by trees.

The above situation is a common occurrence and is the result of lack of knowledge, bad design and specification. Consequently we are seeing many street trees being planted in containers above ground level. This is an unfortunate situation. Trees in containers will never develop fully to display their vibrancy. Once the root system grows to fill the allocated space within the container and the tree requirements exceeds the soil capacity, the health of the tree will begin to deteriorate. Only through intensive management can this be avoided. Trees in urban areas rarely reach their full growth potential and cannot provide the range of benefits the mature, healthy trees offer and which contribute to sustainable development.

The context

The site in question includes Haz-Zabbar Road and Hompesch Road. They are in practical terms one stretch of road divided by a roundabout. These are busy streets with commercial outlets and dwellings along the road. They are major vehicular thoroughfare leading to the town of Zabbar and the three cities. A cross section of the street follows:



Typical section through Zabbar Road and Hompesch Road.

The street is a popular shopping area although one could argue that it is not exploited to its full potential when one considers the pedestrianized areas. The average pavement width is 2.0m with the area adjacent to the intersection broadened to discourage parking close to the junction. Street lighting is located every 53m as indicated in the attached plans and traffic signs often obstruct sections of the pavement.

Up until the mid-1990's Zabbar Road and Hompesch Road were lined with mature *Ficus nitida* species. The trees were such that the canopy of the trees on either side of the road met. This created a comfortable microclimate especially in the summer months. However due to residents' complaints the trees were initially pruned back heavily and eventually uprooted to what we see today. The complaints usually regarded the amount of messy litter the trees produced, the obstruction of views from residences but mainly damage to services, structures and pavement.

Ficus nitida grow to around 20m in height with a spread just as wide. The root system is persistent and tends to grow towards a source of humidity. They also tend to grow thick resulting in the upheaval of paving. They have even been recorded to penetrate into the foundations of buildings through the gaps between masonry blocks.



In areas where the ground is compacted, tree roots develop below the paving causing upheaval.

The choice of tree species is restricted by the following:

- Eventual size of tree
- Habit
- Invasiveness
- Root persistence
- Tolerance to pollution
- Width of pavement

These factors are crucial to the survival of the tree however other aspects have to be considered including

- Allergies
- Maintenance requirements
- Seasonal change

Eventual size of tree

The final height achieved by trees at maturity depending on the physical and climatic factors acting upon it. Orientation, exposure to wind, root volume and maintenance all have an impact on the development of the tree. With a pavement width of 2m any tree planted will have to have a smallish crown so as to reduce maintenance cost and allow for a natural as possible development of the tree. There is nothing more visually obtrusive than a tree which is aesthetically unbalanced. Ideally, the selected trees should be of small to medium size. Alternatively, deciduous trees could be selected so as to reduce the visual obstacle (shade is mostly needed in summer when the trees are in leaf). A mix of deciduous and evergreen species could also be an option.

Habit

With a narrow pavement, the tree habit is an important aspect to consider. A broadly formed tree could cause unnecessary inconvenience to the public and increased maintenance in the form of pruning to accommodate the tree within a confined space. Trees have to be generally broadly or narrowly columnar or narrowly conical. Alternatively a small tree should be selected which is tall enough to allow 2m of clear stem for pedestrians.

Invasiveness

This is mainly related to reducing maintenance and reducing the probability of the species escaping to the adjacent valley when seeds are either blown or carried by surface water run-off.

Root persistence

For reasons given above, trees have to have roots which are not persistent and do not cause any damage to property.

Pollution

Car exhaust and industrial activity are the major source of air pollution. Some species do not tolerate such air quality others do. The selected plants will have to tolerate a degree of air pollution.

Width of pavement

This is an important issue. The pavement is very narrow and will not allow for the proper development of the tree. Pruning will be required regularly not to cause nuisance to passers-by and residents. This issue will be exacerbated if trees are planted in pots. At least half of the pavement width will be taken up by the pot itself causing further discomfort to the public.

Allergies

Species selected shall not cause allergic reactions.

Maintenance requirement

This refers to basic horticultural requirements such as irrigation, pest control and pruning. By default, trees are low in maintenance although irrigation and feeding are required if the plant is to grow healthy.

Seasonal change

This is a design element and is desirable to create interest. Seasonal change refers to leaf colour, flower colour, leaf fall, scent (from flower or/and leaf).

Pots vs. well

Pots are defined as containers for the planting of vegetation which are installed above ground level. The size of the pot will govern the eventual size achieved by the plant (in this case the tree). A 1m x 1m x 1m pot should be enough to support a small tree, however this is not without disadvantages.

The construction material of the pots for trees should be robust to withstand the pressures exerted by the weight of the soil and tree and any abuse by the public. Typical materials include metal, timber and concrete. The type of materials used will also influence the cost. Maintenance cost for the upkeep of the pot should also be considered. Pots need to be cleaned and painted occasionally to keep them attractive and in good order. If not done they tend to become unsightly especially in areas high in vehicular traffic. Such landscape features accumulate particulate matter resulting from pollution. Dog fouling against the pot is also an issue worth considering. Littering can also be problematic. Pots are often littered with cigarette butts, paper, plastic bottles etc. which people discard.

The root system of plants grown in pots is exposed to high and low ambient temperatures due to the exposure of the pot's outer surface. In other words, in summer the root ball tends to heat up whereas in cold winters they suffer cold. This affects the development and survival of the tree. Such a situation can be mitigated by lining the inside of the pot with insulation (which means that a larger pot is required to accommodate 1m³ of growing medium). In the summer heat, more irrigation needed to compensate for moisture being lost to increased evaporation.

Especially when plants are kept in pots, the recycling of elements making up the soil is severely reduced. Organic matter decomposes by time and its replenishment will only take place through proper management. Soil has the tendency of becoming compacted as the organic matter decomposes, as such the soil will have to be replenished and/or cultivated occasionally. The depletion of nutrients, loss of soil structure and fertility could have a negative impact on the development of the plant. This can be mitigated through a strict maintenance regime

Planting trees in pots reduces the risk of path upheaval and damage to services. This however can be prevented by proper design, specification and horticultural practices. Relocating the planter elsewhere, this is convenient but unlikely.

-Trees planted in wells in the ground will grow and develop fully with a greater probability of survival. Whereas maintenance is still required this is generally limited to irrigation for the first few years and pruning when the need arises. Litter finding its way into the tree pit will have to be collected occasionally. The grate, which is generally constructed of cast-iron, will not need any particular maintenance.

Unlike the potted option, trees planted in the ground will occupy a smaller area of the pavement than the pots. This is because the tree pit can be covered with a grate on which people can walk. The grate will allow water to flow and be absorbed into the soil.

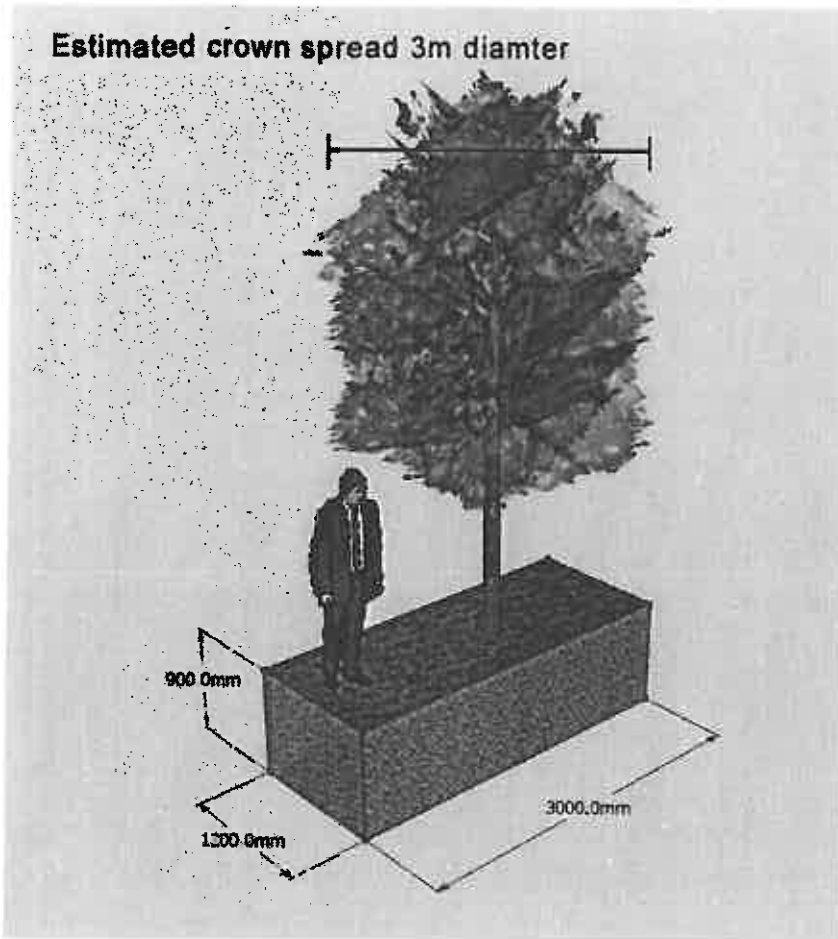
The issue of pavement damage and damage to services is a realistic problem however this can be mitigated by the use of root barriers and root ventilation and irrigation. Root barriers deflect the roots deep into the ground. Root ventilation and irrigation provide the tree with enough oxygen and water in the right place.

It is acknowledged that planting trees in the ground requires a larger capital cost however this is compensated by lower maintenance costs and better tree development.

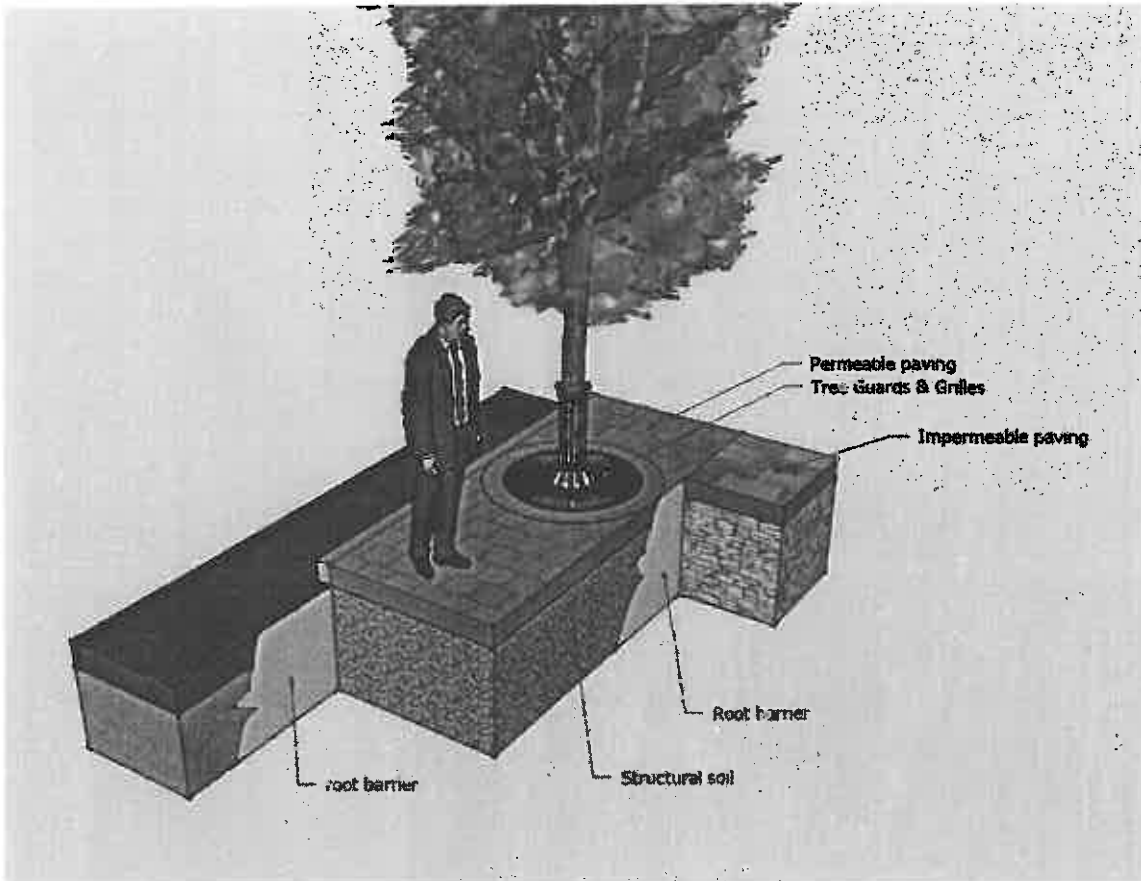
Summery

	Maintenance	Capital cost	Tree development
Trees in pots	High	low	compromised
Trees in ground	low	high	secure

Estimated crown spread 3m diameter

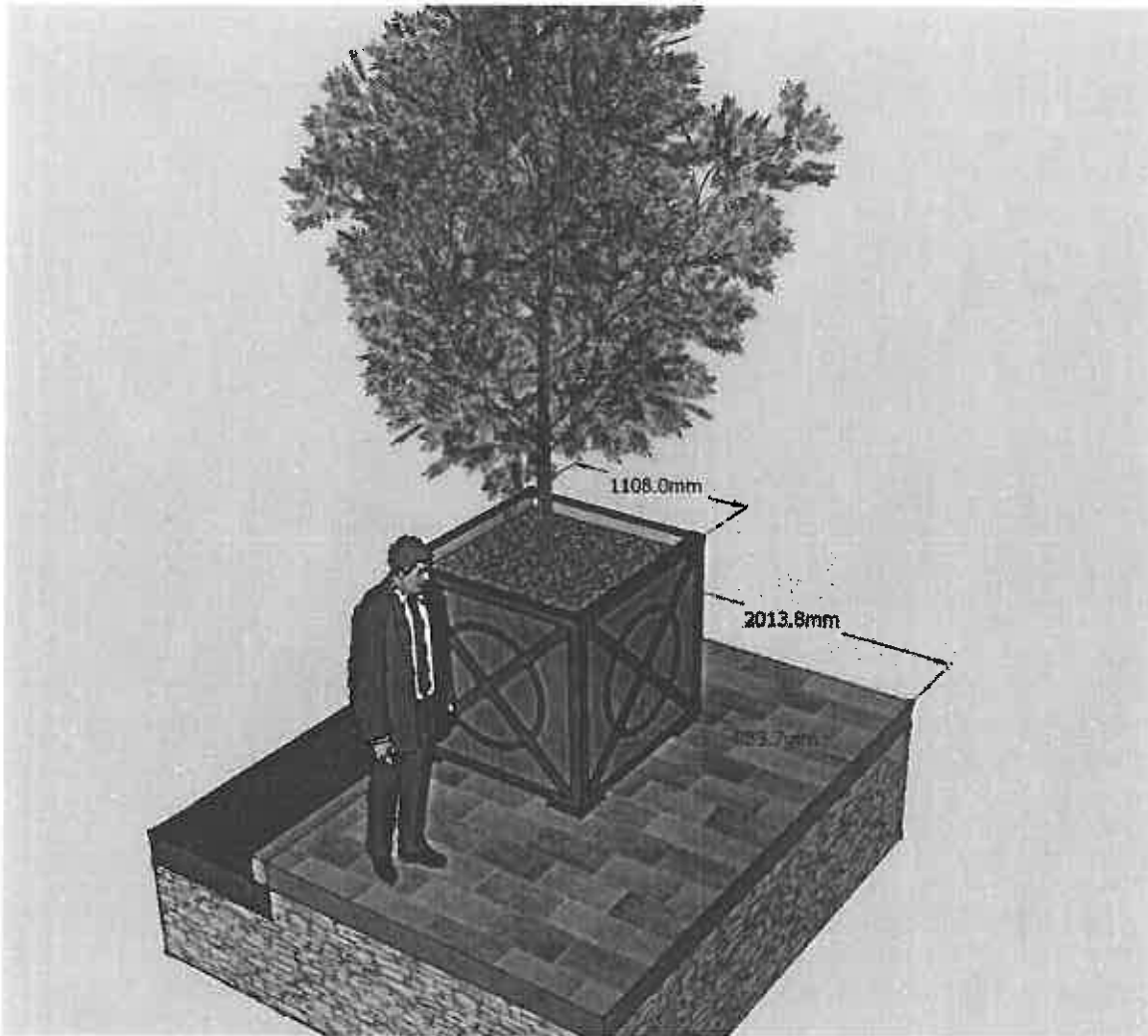


For a tree with a crown of around 3m in diameter, 3.4m^3 of soil volume is required. This ensures the proper development of the tree.

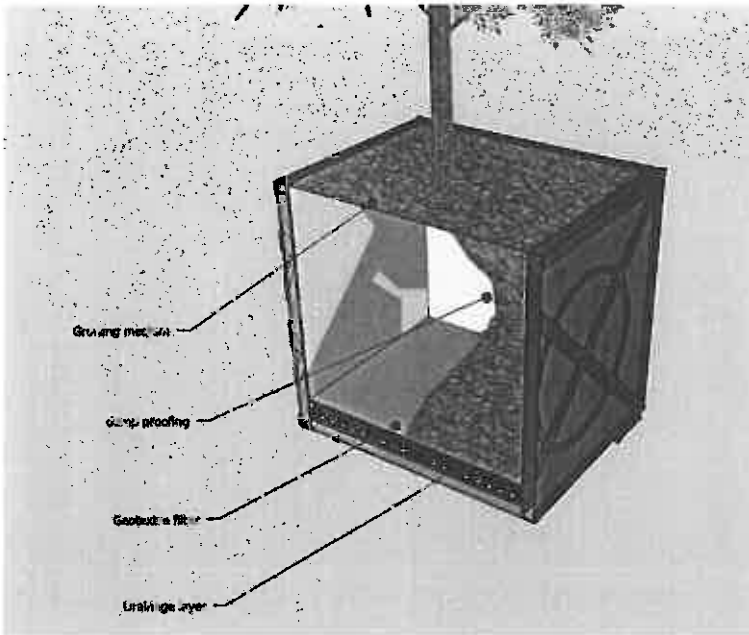


A typical section through a tree well illustrating the required components. It is appreciated that the capital cost will be higher but the medium to long term benefits will outweigh the costs.

The structural soil permits the growth of roots whereas the root barrier prohibits the movement of roots towards the road and buildings. The tree guard enables pedestrians to walk over the tree pit. The permeable paving absorbs surface water reducing flooding and providing the roots with the required air and moisture.



The minimum soil volume required is 1m^3 . Given that the pavement is around 2m wide, there will not be enough space between the planter and the adjacent building façade for proper pedestrianisation unless the planter is moved onto the parking lot. The minimum permissible width is 1200mm which would cater for wheelchair access.



Section through pot illustrating the various components.

The above is a desk study illustrating the main possibilities of including trees within the built environment. This feasibility study illustrates issues which should be taken into consideration methods when introducing trees at Zabbar road and Hompesch road.

It is suggested that a more in-depth study is carried out to come up with solutions which are more in harmony with the current situation and which takes into consideration the issues of sustainable development, pedestrian priority and the integration of street trees which will be effective in achieving the benefits mentioned above.

As already mentioned, the full beneficial potential of trees can only be achieved if trees are allowed to grow as naturally as possible. With modern technology and careful plant selection this can be achieved without the threats encountered in recent past.

The following plant list is a small selection of vegetation which could be considered for the current proposal with the current width of pavement. However with more research and proper design, the palette can be broadened to include other species which could deliver better.

Selection of street trees

Scientific name	Common name	Ranking 10=desirable*	Growth rate	Av. Max. Height	Average width	Deciduous/ Evergreen	Habit	Flower colour
<i>Arbutus unedo</i>	Mediterranean strawberry tree	6	slow	5	3	E	broadly spread	
<i>Arbutus x andrachnoides</i>	Mediterranean strawberry tree cultivar	7	slow	7	3	E	broadly columnar	
<i>Celtis australis</i>	Southern nettle tree	7	fast	20	15	D	broadly spread	
<i>Cercis siliquastrum</i>	Judas tree	8	moderate	10	10	D	broadly spread	
<i>Citrus x aurantium</i>	Seville orange	7	moderate	10	6	E	broadly spread	
<i>Elaeagnus angustifolia</i>	Silver berry	6	fast	6	6	E	broadly spread	
<i>Fraxinus angustifolia</i>	Narrow leafed Ash	6	fast	25	12	D	broadly spread	
<i>Laurus nobilis</i>	Bay laurel	8	slow	10	5	E	broadly conical	
<i>Metrosideros excelsus</i>	New Zealand Christmas tree	7	slow	10	10	E	broadly spread	
<i>Olea europea</i>	Olive	7	slow	10	8	E	broadly spread	
<i>Quercus ilex</i>	Holm oak	6	slow	25	20	E	broadly spread	
<i>Vitex agnus-castus</i>	Chaste tree	7	fast	5	5	D	broadly spread	
<i>Callistemon citrinus</i>	Crimson bottlebrush	8	medium	5	3	E	broadly spread	
<i>Cupressus sempervirens</i>	Cypress	8	moderate	20	2	E	Columnar	

*Ranking takes into consideration growth rate, height, width and flower colour.

Preliminary estimated cost for the purchase of trees and pots.

Street name	Length of road (m)	Distance between trees (m)	Estimated of trees	Unit cost of concrete pot (1m X 1m X 1m) €	Unit cost of tree* €	Total estimated cost
Zabbar Road	780	5	312	223.00	100.00	€ 100,776.00
Hompesch Road	500	5	200	223.00	100.00	€ 64,600.00
Totals	1280	/	512	223.00	100.00	€ 165,376.00

* The unit cost per tree depends on the tree species, trunk girth and age. The figure quoted here is for trees around 2.5 meters high. Trees at lower prices can be purchased and can go down to € 30.00 for young trees.