

Our Ref: 11-056  
Date: 22.04.14

The Mayor,  
Swieqi Local Council,  
Silver Dawn,  
Triq San Andrija  
Swieqi

**RE: Resurfacing works in Triq il- Qasam, Swieqi**

I, the undersigned architect and civil engineer do hereby certify that works on the following roads (bills attached) have been completed:

Triq il- Qasam Phase 03 (from MEAT & MORE to end of project accessing valley)

The composition of the hot asphalt and concrete and its testing have been completed and are satisfactory. Tests have been forwarded and certified by Contractor's architect (attached). A number of undulations in the surface of the carriageway have been noted. This is a result primarily of the fact that no gutters were considered by the Council. The surface run off is discharged satisfactorily during precipitation (videos available) but since no sub surface pipes were considered by Council the contractor had to level up (or down) primarily the parking (concrete) and subsequently the carriageway (hot asphalt) with the existing dwellings in most areas to avoid ponding in critical areas and flooding of a number of semi basement garages.

The undulations are a result of the above but an element of labour inefficiency also exists so the Council has decided to deduct an amount (yet to be quantified by Council) for inferior works.

Do not hesitate to contact the undersigned should one require further information.

*Regards,*

  
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*Dieter Falzon A&CE*

**EDGAR CARUANA MONTALDO B.E.&A.(Hons.), A.&C.E.**  
*Architect and Civil Engineer*  
41A, Triq il-Herba, B'Kara, BKR 2322  
Tel. 21448330 Mob 9949 0881. Fax. 21448328.  
E-mail edgarc@onvol.net

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**Our Ref: Misc 031/14**

19<sup>th</sup> April 2014

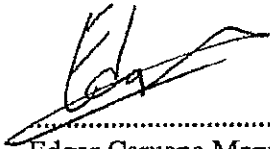
Perit Dieter Falzon,  
Swieqi Local Council,  
Swieqi

**Re: Tender Number SLC 4/2012 – Re-surfacing works for Triq il-Qasam, Swieqi**

Dear Sir,

I, the undersigned architect and civil engineer certify that the hot asphalt and concrete samples taken and tested ( copy attached ) are as per mix design and certificates required in the tender document.

Regards,



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Edgar Caruana Montaldo  
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Edgar Caruana Montaldo  
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Client Swieqi Local Council  
Date 18.03.14  
Job No. 11-056-003

**Final Bill of quantities for resurfacing works at Triq il - Qasam, Swieqi  
(from ifo MEAT & MORE to end of project accessing valley)**

		Quantity	Unit	RATE	AMOUNT
<b>Pavement Works</b>					
1a	Take up existing kerbs and remove from site	593.25	l.m.	3.675	2180.19
1b	Saw Cuts		l.m.	2.447	0.00
2	Take up existing concrete paving and remove from site using compressor (including ramps in form of garages)	540.56	Sq.m	3.675	1986.56
3a	Excavate trench in any type of rock and remove from site using compressor 350mm deep X 600mm wide planters	124.58	Cu.m.	17.126	2133.60
		6.99	Cu.m.	17.126	119.71
			Cu.m.	17.126	0.00
3b	Supply transport and compact soil	6.99	Cu.m.	6.500	45.44
4	Supply transport and lay 225mm high precast concrete kerbs 1000mm long. Rate inclusive of concrete bedding backing and pointing	593.25	l.m.	12.233	7257.23
5	Supply transport and compact sub base material (type 1 used)	49.66	Cu.m	9.786	485.97
6a	Levelling of service boxes. (drainage chambers)	35.00	No.	29.348	1027.18
6b	Levelling of service boxes (WSC)	51.00	No.	2.447	124.80
6c	Supply of concrete slabs	65.00	No.	7.340	477.10
6d	Galvanised steel trays		No.	123.900	0.00
7a	Supply transport and lay insitue concrete pavement 100mm thick with smooth finish and expansion joints every three linear metres (beneath paving blocks)	496.64	Sq.m.	9.870	4901.84
		33.02	Sq.m.	9.870	325.91
	EO for fibremesh in concrete		Sq.m.	10.920	0.00
7b	Ditto Concrete paving blocks	44.02	Sq.m.	23.237	1022.89
7c	Ditto Imprint concrete		Sq.m.		0.00
7f	(PARKING BAYS) Supply transport and lay insitue concrete pavement 100mm thick with smooth finish and expansion joints every three linear metres	764.50	Sq.m.	9.870	7545.62
7g	EO for fibremesh in concrete		Sq.m.	10.920	0.00
7h	EO every 25mm in Concrete Grade C20	1529.00	Sq.m.	3.920	5993.68
7h	EO C503 mesh fabric	764.50	Sq.m.	6.550	5007.48
8	Supply transport and lay linsitue concrete gutter as per tender specifications	101.50	l.m.	5.250	532.88
9	Supply transport and lay PVC pipes (100mm)	23.11	l.m.	7.413	171.31
10	Supply transport and fix into postion gulleys as directed		l.m.	43.292	0.00
11	Daily labour rate		Hrs	14.438	0.00

12	Saw Cuts		I.m.	2.415	0.00
13	Earth Electrodes (Provisional)		No.		0.00

**Resurfacing Works**

1	Surface Cold Milling including compaction of surface (RATE TO BE INCLUSIVE OF DEPTHS UP TO 500MM)	3469.84	Sq.m.	4.893	16977.93
2	Sweeping area clean and compacting of excavated surface	3469.84	Sq.m.	1.470	5100.66
3	EO for working around projections	36.00	No.	36.750	1323.00
	EO for construction of projections		No.	220.000	0.00
4	Supply transport and compact TYPE 1 material 150mm (Prov.)	405.80	Cu.m	14.679	5956.74
5	Supply transport and spray tack coat		Sq.m.	0.473	0.00
6	Cement Stabilisation (Provisional)		Cu.m	39.900	0.00
7a	Hot asphalt 100mm (B/W) - new rate for 80mm	2685.00	Sq.m.	28.350	76119.75
7b	Hot asphalt 80mm (B/W)		Sq.m.		
7c	Hot asphalt 60mm (B/W)		Sq.m.		
8	Daily labour rate		Hrs	14.438	0.00
9	Saw Cuts	55.54	I.m.	2.447	135.91
10	Sealing of joints along all road	187.00	I.m.	2.750	514.25
		268.00	i.m.	2.750	737.00
		548.00	I.m.	2.750	1507.00
		80.00	I.m.	2.750	220.00

Sub Total (€)	149931.61
5.00% CM Fees	7496.58
<b>Total Amount Due (€)</b>	<b>142435.03</b>

Dieter Falzon A&CE