

21 July 2016

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**SPECIAL MEETING MINUTES**  
**BOATHOUSE/HAINS PARK IMPROVEMENTS COMMITTEE**

7:00 p.m., MEETING HALL, OLD LYME TOWN HALL

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PRESENT

<b>PG</b>	Paul Gianquinto	Co-Chairman
<b>PF</b>	Paul Fuchs	Co-Chairman
<b>BS</b>	Brian Schuch	Secretary
<b>KB</b>	Ken Biega	
<b>GH</b>	Greg Hack	
<b>SS</b>	Skip Sibley	Ex-Officio

ABSENT

<b>JP</b>	John Parker	
<b>DB</b>	Don Bugbee	
<b>PC</b>	Phil Carney	
<b>RD</b>	Bob Dunn	
<b>BR</b>	Bonnie A. Reemsnyder	Ex-Officio
<b>JF</b>	John Flower	Ex-Officio
<b>JR</b>	John Rhodes	Ex-Officio
<b>AR</b>	Andy Russell	Ex-Officio
<b>NP</b>	Nina Peck	Architect

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**CALL TO ORDER> PG 7:05 p.m.**

1. ADDITIONS TO AGENDA

None.

2. CORRESPONDENCE

The e-mail from Old Lyme P&R Commission (R. Dunn) dated 14 Jul16 and BHPIC (P. Gianquinto) response dated 14 Jul 16 (attached) regarding hiring a Clerk of the Works for the Boathouse project was discussed. **SS** stated that Ed Adanti (OLPW) will also periodically visit the site and the Town anticipated hiring a Facilities Manager who would also be tasked with monitoring progress on site. There are no plans to hire a COW at this time.

3. BUDGET UPDATE

The updated budget report, distributed to all members by e-mail on 20 Jul 16, is attached.

4. OLD BUSINESS

- a. **Toilet Building Improvements** – Tabled; no member of the Sub-Committee was present to report.
- b. **Pavilion** – Tabled; no new information available.
- c. **Park Accessibility** – Tabled; no new information available.

5. NEW BUSINESS

a. **Report on BOS meeting 5 Jul 16**

SS reported that the BOS had signed the MOA between the Town and Region 18 for transfer of ownership of the existing boathouse to the Town. The new lease agreement is still in negotiation and will be finalized no later than 30 days after receipt of the Certificate of Occupancy.

b. **Status of Scope Construction Company contract**

PG reported that BR had signed the Scope Construction contract and sent it back to them. Scope submitted Payment and Performance bonds and an insurance certificate which had been returned for revision because the bonds were not on the required forms and the insurance did not specify the Town and State as additional insureds.

c. **Authorize storage container rental**

PG distributed pricing for delivery, pick-up and rental of three 20' storage containers (attached) for the rowing program equipment to permit their continued operation during construction. GH mentioned that the OLRA had spent \$3,450.00 for two temporary boat storage racks for the rowing program's use.

**MOTION> PF (GH)** To authorize rental of three (3) 20-foot storage containers from Aaron Supreme Storage for up to four (4) months at a cost not to exceed \$1,590.

d. **Approve payment of invoices:**

**MOTION> PG (PF)** To approve payment of the following invoices. 5-0-0

- i. NCP invoice OL-16-03 dated 6 Jul 16 in the amount of \$1,100.00
- ii. Garcia & Milas invoice RAG-OLYM-002 dated 30 Jun 16 in the amount of \$2,308.75
- iii. The Day invoice dated 30 Jun 16 in the amount of 330.60

Approved 5-0-0

e. **Appoint Boathouse Building Sub-Committee**

**MOTION> PG (PF)** To appoint a Boathouse Building Sub-Committee of five (5) members tasked with:

- Confirming monthly construction progress,
- Approving pay applications,
- Approving change orders not exceeding \$2,000,
- Attending on-site meetings with the Architect and Contractor,
- Reporting to the BHPIC on a monthly basis,
- With the following members; **PG, PF, KB, BS; DB.**

Approved. 5-0-0

6. APPROVAL OF MINUTES

**MOTION> PG (KB)** To approve minutes of the 28 Jun 16 Scope Review Meeting Minutes as submitted. 2-0-3

**MOTION> PG (GH)** To approve minutes of the 30 Jun 16 Special Meeting Minutes as submitted. 3-0-2

6. PUBLIC COMMENTS

None.

7. ADJOURNMENT

**MOTION> BS (PF)** To adjourn at 7:40 p.m. 5-0-0

**Hains Park Boathouse  
Storage Container Rental Costs**

Vendor	Delivery & Pickup per Container	Monthly Rental		Total Cost	
		20'	20' DE	3 Months	4 Months
Aaron Supreme Leasing	\$ 190.00	\$ 75.00	\$ 90.00	\$ 1,335.00	\$ 1,590.00
Eagle Leasing	\$ 330.00	\$ 89.00	\$ 129.00	\$ 2,031.00	\$ 2,378.00
ModSpace	\$ 450.00	\$ 79.00	NA	\$ 2,061.00	\$ 2,298.00

Fund 15 - Hains Park Boathouse Improvement Project																				
EXPENDITURES													FUNDING				PHASE			
Date	Vendor	Description	Amount	ARCHITECT	ESTIMATOR	ENGINEERING	PRINTING	ADVERTISING	STORAGE RACKS	ATTORNEY	DOCKS	INSPECTION	STEAP	TOWN	DONATIONS	TOTAL	1	2	TOTAL	
BUDGET													478,000.00	405,100.00	51,800.00	934,900.00				
2/24/2014	The Day	Advertising	127.60					127.60						127.60		127.60	127.60		127.60	
5/19/2014	Shoreline Sanitation	Inspection Report	420.00									420.00		420.00		420.00	420.00		420.00	
6/12/2014	Nina Cuccio Peck Architect	Architect	8,800.00	8,800.00									8,800.00	420.00		8,800.00	8,800.00		8,800.00	
7/2/2014	Focus Tool & Engineering	75% deposit on boat racks	29,325.00						29,325.00				29,325.00			29,325.00	29,325.00		29,325.00	
8/18/2014	BSC	Surveying	6,000.00			6,000.00							6,000.00			6,000.00	6,000.00		6,000.00	
8/27/2014	Nina Cuccio Peck Architect	Architect	8,300.00	8,300.00									8,300.00			8,300.00	8,300.00		8,300.00	
9/8/2014	Nina Cuccio Peck Architect	Architect	500.00	500.00									500.00			500.00	500.00		500.00	
9/19/2014	Nina Cuccio Peck Architect	Architect	7,700.00	7,700.00									7,700.00			7,700.00	7,700.00		7,700.00	
11/6/2014	Nina Cuccio Peck Architect	Architect	7,700.00	7,700.00									7,700.00			7,700.00	7,700.00		7,700.00	
11/6/2014	The Day	Advertising	617.70					617.70						617.70		617.70	617.70		617.70	
11/12/2014	Ciel Inc	Printing	157.50				157.50							157.50		157.50	157.50		157.50	
11/12/2014	Nina Cuccio Peck Architect	Architect	416.89				416.89						416.89	157.50		416.89	416.89		416.89	
12/8/2014	The Day	Advertising	188.50					188.50						188.50		188.50	188.50		188.50	
2/20/2015	Regatta Dock Systems	Docks-deposit	16,762.90								16,762.90				16,762.90	16,762.90	16,762.90		16,762.90	
2/20/2015	Regatta Dock Systems	Docks-Balance	16,762.90								16,762.90				16,762.90	16,762.90	16,762.90		16,762.90	
3/19/2015	Regatta Dock Systems	Docks	3,012.00								3,012.00				3,012.00	3,012.00	3,012.00		3,012.00	
3/19/2015	Regatta Dock Systems	Docks	3,012.00								3,012.00				3,012.00	3,012.00	3,012.00		3,012.00	
8/12/2015	Nina Cuccio Peck Architect	Architect	7,000.00	7,000.00									7,000.00			7,000.00	7,000.00		7,000.00	
9/30/2015	Regatta Dock Systems	Docks-add parts	1,168.40								1,168.40				1,168.40	1,168.40	1,168.40		1,168.40	
10/27/2015	Nina Cuccio Peck Architect	Architect	3,360.00	3,360.00									3,360.00			3,360.00		3,360.00	3,360.00	
11/15/2015	Professional Construction Services	Estimating	3,336.00		3,336.00								3,336.00			3,336.00	2,426.00	910.00	3,336.00	
1/11/2016	Nina Cuccio Peck Architect	Architect	14,000.00	14,000.00									14,000.00			14,000.00	14,000.00		14,000.00	
2/12/2016	Ciel Inc	Printing	29.75				29.75						29.75			29.75	29.75		29.75	
2/12/2016	Ciel Inc	Printing	231.00				231.00						231.00			231.00	231.00		231.00	
2/12/2016	Ciel Inc	Printing	98.00				98.00						98.00			98.00	98.00		98.00	
2/12/2016	Professional Construction Services	Estimating	2,470.00		2,470.00								2,470.00			2,470.00	2,470.00		2,470.00	
4/26/2016	Ciel Inc	Printing	10.50				10.50						10.50			10.50	10.50		10.50	
4/26/2016	Ciel Inc	Printing	56.00				56.00						56.00			56.00	56.00		56.00	
5/24/2016	Nina Cuccio Peck Architect	Architect	1,000.00	1,000.00									1,000.00			1,000.00	1,000.00		1,000.00	
6/8/2016	Nina Cuccio Peck Architect	Architect	1,800.00	1,800.00									1,800.00			1,800.00	1,800.00		1,800.00	
6/27/2016	Ciel Inc	Printing	404.80				404.80						404.80			404.80	404.80		404.80	
6/28/2016	Garcia & Milas	Attorney	495.00							495.00			495.00			495.00	495.00		495.00	
			145,262.44	60,160.00	5,806.00	6,000.00	1,404.44	933.80	29,325.00	495.00	40,718.20	420.00	103,032.94	1,511.30	40,718.20	145,262.44	140,992.44	4,270.00	145,262.44	
													<b>Available</b>	374,967.06	403,588.70	11,081.80	789,637.56			

## Gianquinto, Paul A.

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**From:** Gianquinto, Paul A.  
**Sent:** Thursday, July 14, 2016 2:11 PM  
**To:** 'rwdunn1@aol.com'; kenbiega@ogind.com; parkrec@oldlyme-ct.gov; pcarney@wesleyan.edu; building@oldlyme-ct.gov; paul@pfna.com; gahdds@aol.com; parkerju@aol.com; breemsnyder@oldlyme-ct.gov; rhodesj@region18.org; .schuch@gmail.com; skip.sibley@yahoo.com; NCParch@sbcglobal.net; arussell@hallradio.net; maryjonosal@gmail.com  
**Cc:** missycolburn@gmail.com; jvflower@sbcglobal.net; mail@nigellologan.com; tgwg1215@att.net; parkrec@oldlyme-ct.gov; itti2@aol.com; megarbarino@ccamail.com  
**Subject:** RE: OL Parks and Recreation Commission Communication to BHPIC

Bob et al,

Don Bugbee asked about a Clerk of the Works (COW) during the 30 June meeting of the BHPIC and it was discussed briefly with no decision made.

My position is that due to the project's small size, extremely simple nature, and low level of finish, a COW will add little value to the process. Please note that:

- The Building Inspector will inspect footing bottoms, rebar, sheathing nailing patterns, structural tie-downs, electrical installation and other Code-related items.
- We will hire a testing agent to take and break concrete cylinders.
- The IWEO/ZEO and the Civil Engineer will inspect sedimentation/erosion control measures periodically.
- We anticipate a maximum of 5 pay applications (AIA G702/G703), and the schedule of values will be broken down in sufficient detail to allow monthly progress to be easily assessed for line item percent completion.
- We will hold job site meetings on a weekly or bi-weekly basis, as appropriate.
- Members of the Committee will be on site daily for OLRA activities, I will stop by 4-5 times a week, and the Architect's office is minutes away; there will be plenty of eyes watching the job.
- I am listed as the Owner's Representative on the AIA A101 (Standard Form of Agreement Between Owner and Contractor).

We have time to discuss this further and retain a COW if desired, but please note that anything spent to retain a COW will decrease the funding available for toilet building renovations and the pavilion P&R has requested.

Paul A. Gianquinto  
Co-Chairman BHPIC

**From:** [rwdunn1@aol.com](mailto:rwdunn1@aol.com) [<mailto:rwdunn1@aol.com>]  
**Sent:** Thursday, July 14, 2016 10:21 AM  
**To:** Gianquinto, Paul A.; [kenbiega@ogind.com](mailto:kenbiega@ogind.com); [parkrec@oldlyme-ct.gov](mailto:parkrec@oldlyme-ct.gov); [pcarney@wesleyan.edu](mailto:pcarney@wesleyan.edu); [rwdunn1@aol.com](mailto:rwdunn1@aol.com); [building@oldlyme-ct.gov](mailto:building@oldlyme-ct.gov); [paul@pfna.com](mailto:paul@pfna.com); [gahdds@aol.com](mailto:gahdds@aol.com); [parkerju@aol.com](mailto:parkerju@aol.com); [breemsnyder@oldlyme-ct.gov](mailto:breemsnyder@oldlyme-ct.gov); [rhodesj@region18.org](mailto:rhodesj@region18.org); [.schuch@gmail.com](mailto:.schuch@gmail.com); [skip.sibley@yahoo.com](mailto:skip.sibley@yahoo.com); [NCParch@sbcglobal.net](mailto:NCParch@sbcglobal.net); [arussell@hallradio.net](mailto:arussell@hallradio.net)  
**Cc:** [rwdunn1@aol.com](mailto:rwdunn1@aol.com); [missycolburn@gmail.com](mailto:missycolburn@gmail.com); [jvflower@sbcglobal.net](mailto:jvflower@sbcglobal.net); [mail@nigellologan.com](mailto:mail@nigellologan.com); [tgwg1215@att.net](mailto:tgwg1215@att.net); [parkrec@oldlyme-ct.gov](mailto:parkrec@oldlyme-ct.gov); [itti2@aol.com](mailto:itti2@aol.com); [meGARbarino@ccamail.com](mailto:meGARbarino@ccamail.com)  
**Subject:** OL Parks and Recreation Commission Communication to BHPIC

At the Parks and Recreation Commission Meeting on July 8, 2016, it was brought to the attention of the Commission that there is no plan by the Boathouse Committee to have a Clerk of the Works assigned to the Boathouse Project. It is the consensus of the Parks and Rec Commission that a Clerk of the Works be assigned to the building project in order to

represent the interests of the Town in regard to ensuring that the quality of both materials and workmanship are in accordance with the design information, in addition to oversee the building project which would include things such as any change orders, approval of invoices, etc. If the Boathouse Committee does not appoint a Clerk of the Works, they should, at least, identify a single person within the Committee who is accountable for overseeing the project.

It was also brought to our attention that all projects in the past have had a Clerk of the Works and it would be in the best interest of the Town to do the same for this project.

# CONTRACTOR CHANGE ORDER PROPOSAL WORKSHEET

General Contractor: **Scope Construction Co., Inc.**  
Company Name (Typed or Printed)

**Change Order Proposal No.:** 01  
**Date:** 8/31/2016  
**Project Name:** Hains Park Boathouse - Old Lyme CT

Signature: \_\_\_\_\_

Replace existing foundation and slab with new.

COP Description:

Project No : 1610

Section 1 Quantity	Unit	Description of Material and Equipment	Unit Cost	Lump Sum Cost	Insert "X" If Credit	(Quantity x Unit Cost OR Lump Sum) Total					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
						\$ -					
<b>Line #1</b>		<b>Subtotal Costs - Material and Equipment</b>				<b>\$ -</b>					
	<b>Column A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>	
<b>Section 2</b>	<b>Labor Classification</b>	<b>No. of Workers</b>	<b>Total Hours</b>	<b>Base Rate Per Hour</b>	<b>Taxable Benefits Per Hour (Cash)</b>	<b>Non-Tax. Benefits Per Hour (Plan)</b>	<b>Gross Pay for Prevailing Rate Job (D+E) x C</b>	<b>Total Cost Per Hour D + E + F</b>	<b>Insert "X" If Credit</b>	<b>Total Labor Hourly Cost C x H</b>	
	Supervision	1	40	75.00		22.82	\$ 3,000.00	\$ 97.82		\$ 3,912.79	
	Project Manager	1	40	75.00		22.82	\$ 3,000.00	\$ 97.82		\$ 3,912.80	
							\$ -	\$ -		\$ -	
							\$ -	\$ -		\$ -	
							\$ -	\$ -		\$ -	
							\$ -	\$ -		\$ -	
							\$ -	\$ -		\$ -	
							\$ -	\$ -		\$ -	
		Additional Items - see page 2 (Linked)							\$ -		\$ -
<b>Line #2</b>		<b>Labor Hourly Costs:</b>				<b>Taxable:</b>	<b>\$ 6,000.00</b>		<b>Total:</b>	<b>\$ 7,825.59</b>	
<b>Section 3</b>	<b>Taxes on Labor</b>	<b>%</b>		<b>%</b>			<b>%</b>	<b>Tax/Benefit % Total</b>		<b>% x Total Col G Sec 2: Cost</b>	
	Social Security Tax:	7.65%	CT Unemployment Tax:	6.80%	Fed. Unemployment Tax:		0.80%	15.2500%		\$ 915.00	
	Workmen's Compensation Insurance								13.0000%		\$ 780.00
<b>Line #3</b>		<b>Subtotal Taxes and Compensation Insurance</b>									<b>\$ 1,695.00</b>
<b>Line #4</b>		<b>Total Labor and Materials (Total Lines #1 + #2 + #3)</b>									<b>\$ 9,520.59</b>
<b>Section 4</b>		<b>Overhead and Profit % Mark-up on Contractor's Own Work</b>									<b>Cost</b>
	\$0.00 to \$5,000	20%	\$0.00	\$15,001 to \$25,000	20%			\$0.00			
	\$5,001 to \$15,000	20%	\$9,520.59	\$25,001 and Greater	20%			\$0.00			
<b>Line #5</b>		<b>Total Mark-up on Contractor's Own Work</b>									<b>\$ 1,904.12</b>
<b>Line #6</b>		<b>Total Contractor Cost (Lines #4 + #5)</b>									<b>\$ 11,424.71</b>
<b>Section 5 - Trade</b>		<b>Name of Subcontractor (from attached proposed change order form(s))</b>									<b>Cost</b>
	Sitework	Commercial Construction Group, LLC									\$ 33,624.00
	Concrete	Commercial Construction Group, LLC (base contract - credit)									\$ (43,557.98)
	Concrete	Commercial Construction Group, LLC (new foundations and slab)									\$ 81,342.77
	Demo	Commercial Construction Group, LLC (foundation and slab removal)									\$ 12,004.00
<b>Line #7</b>		<b>Subtotal Subcontractor Costs</b>									<b>\$ 83,412.79</b>
<b>Line #8</b>		<b>General Contractor's Mark-up on Subcontractor Work</b>							15.00%		<b>\$ 12,511.92</b>
<b>Line #9</b>		<b>Total Subcontractor Costs (Lines #7 + #8)</b>									<b>\$ 95,924.71</b>
<b>Section 6</b>		<b>Bond &amp; Insurance</b>							<b>\$ Amount</b>	<b>% Allowed</b>	<b>Total</b>
<b>Line #10</b>		<b>Bonds &amp; Insurance</b>							\$ 95,924.71	3.00%	<b>\$ 2,877.74</b>
<b>Line #11</b>		<b>Total Proposed Change Order Amount (Lines #6 + #9; OR Line #10)</b>									<b>\$ 110,227.16</b>





**DIVISION 3 CONCRETE - BASE CONTRACT**

	QTY	Dimension			EXT	Unit	Cost	Total	Labor	Total
		L	W	H				Material	Rate	Labor
Footing	1	205	2	1		15.19 CY	\$ 104.75	\$ 1,591.15	\$ 200.00	\$ 3,038.00
Footing Pier	7	3	3	1		2.34 CY	\$ 104.75	\$ 245.12	\$ 200.00	\$ 468.00
Waste	15%					2.63 CY	\$ 104.75	\$ 275.49	\$ 200.00	\$ 526.00
Walls	1	205	0.83	4		25.21 CY	\$ 104.75	\$ 2,640.75	\$ 200.00	\$ 5,042.00
Waste	5%					1.26 CY	\$ 104.75	\$ 131.99	\$ 200.00	\$ 252.00
Dowels	25					25 EA			\$ 56.43	\$ 1,410.73
Slab on Grade	1	71	21	0.42		23.2 CY	\$ 104.75	\$ 2,430.20	\$ 80.00	\$ 1,856.00
Slab on Grade	1	18	18	0.42		5.04 CY	\$ 104.75	\$ 527.94	\$ 80.00	\$ 403.20
Slab on Grade	1	28.5	21.5	0.42		9.54 CY	\$ 104.75	\$ 999.32	\$ 80.00	\$ 763.20
Slab on Grade	1	18	15	0.42		4.2 CY	\$ 104.75	\$ 439.95	\$ 80.00	\$ 336.00
Haunch	2	16	3	0.42		1.5 CY	\$ 104.75	\$ 157.13	\$ 80.00	\$ 120.00
Patch SOG	1	4	71	0.42		4.42 CY	\$ 104.75	\$ 463.00	\$ 80.00	\$ 353.60
Waste	10%					4.79 CY	\$ 104.75	\$ 501.75	\$ 80.00	\$ 383.20
Wire Mesh						84 sheet	\$ 10.00	\$ 840.00	\$ 1.50	\$ 126.00
Poly						2982 SF	\$ 0.04	\$ 104.37	\$ 0.01	\$ 29.82
Curing						30 CSF	\$ 3.00	\$ 90.00	\$ 10.60	\$ 318.12
Rebar						1.77 Ton	\$ 1,500.00	\$ 2,655.00	\$ 1,125.00	\$ 1,991.25
Anchor Bolts - wet set	58	ea				58 EA	\$ 3.00	\$ 174.00	\$ 5.93	\$ 344.13
Anchor Bolts - C1	7	set				7 by Steel Contractor	\$ -	\$ -	\$ 150.00	\$ 1,050.00
Anchor Bolts - int part	44	ea				44 EA	\$ 12.00	\$ 528.00	\$ 56.43	\$ 2,482.89
Anchor Bolts - C4/C5	36	ea				36 by Steel Contractor	\$ -	\$ -	by Steel Contractor	
Sawcutting	129					129 LF	\$ 1.00	\$ 129.00	\$ 1.00	\$ 129.00
Exterior Slab	1	17	26	0.67		10.97 CY	\$ 109.50	\$ 1,201.22	\$ 80.00	\$ 877.60
Exterior Slab	1	17	3	0.67		1.27 CY	\$ 109.50	\$ 139.07	\$ 80.00	\$ 101.60
Exterior Slab	1	6	2	0.67		0.3 CY	\$ 109.50	\$ 32.85	\$ 80.00	\$ 24.00
Waste	10%					1.254 CY	\$ 109.50	\$ 137.31	\$ 80.00	\$ 100.32
Steps	3	5.5	5	1.5		4.59 CY	\$ 109.50	\$ 502.61	\$ 200.00	\$ 918.00
Steps	1	7	5	1.5		1.95 CY	\$ 109.50	\$ 213.53	\$ 200.00	\$ 390.00
Mark-up	15%							\$ 2,572.61		
TOTAL								\$ 19,723.32		\$ 23,834.66
GRAND TOTAL L&M										\$ 43,557.98

**DIVISION 3 CONCRETE**

QTY	Dimension			EXT	Unit	Cost	Total	Labor	Total
	L	W	H				Material	Rate	Labor
Footing	1	356	2	1.17	30.86 CY	\$ 104.75	\$ 3,232.59	\$ 200.00 /cy	\$ 6,172.00
Footing Pier	16	3	3	1.17	6.24 CY	\$ 104.75	\$ 653.64	\$ 200.00 /cy	\$ 1,248.00
Waste	15%				5.57 CY	\$ 104.75	\$ 583.46	\$ 200.00 /cy	\$ 1,114.00
Piers	16	1	1	3.5	2.08 CY	\$ 104.75	\$ 217.88	\$ 400.00 /cy	\$ 832.00
Walls	1	356	0.83	4	43.78 CY	\$ 104.75	\$ 4,585.96	\$ 200.00 /cy	\$ 8,756.00
Waste	5%				2.189 CY	\$ 104.75	\$ 229.30	\$ 200.00 /cy	\$ 437.80
Slab on Grade	1	86.5	64	0.42	86.12 CY	\$ 104.75	\$ 9,021.07	\$ 80.00 /cy	\$ 6,889.60
Slab on Grade	1	20.5	2	0.42	0.64 CY	\$ 104.75	\$ 67.04	\$ 80.00 /cy	\$ 51.20
Slab on Grade	1	28.5	6	0.42	2.66 CY	\$ 104.75	\$ 278.64	\$ 80.00 /cy	\$ 212.80
Waste	10%				8.94 CY	\$ 104.75	\$ 936.47	\$ 80.00 /cy	\$ 715.20
Wire Mesh					170 sheet	\$ 10.00	\$ 1,700.00	\$ 1.50 /sht	\$ 255.00
Poly					5748 SF	\$ 0.04	\$ 201.18	\$ 0.01 /sf	\$ 57.48
Curing					57 CSF	\$ 3.00	\$ 171.00	\$ 10.60 /sf	\$ 604.44
Rebar					3.3 Ton	\$ 1,500.00	\$ 4,950.00	\$ 1,125.00 /tn	\$ 3,712.50
Anchor Bolts - wet set	91				91 EA	\$ 3.00	\$ 273.00	\$ 5.93 /each	\$ 539.93
Anchor Bolts - column set	16				16 set	By Steel Contractor		\$ 150.00 /set	\$ 2,400.00
Anchor Bolts - int part	54				54 EA	\$ 12.00	\$ 648.00	\$ 56.43 /each	\$ 3,047.18
Sawcutting	440				440 LF	\$ 1.00	\$ 440.00	\$ 1.00 /lf	\$ 440.00
Exterior Slab	1	17	66	0.67	27.85 CY	\$ 109.50	\$ 3,049.58	\$ 80.00 /cy	\$ 2,228.00
Waste	10%				2.785 CY	\$ 109.50	\$ 304.96	\$ 80.00 /cy	\$ 222.80
Steps	3	5.5	5	1.5	4.59 CY	\$ 109.50	\$ 502.61	\$ 200.00 /cy	\$ 918.00
Steps	1	7	5	1.5	1.95 CY	\$ 109.50	\$ 213.53	\$ 200.00 /cy	\$ 390.00
Mark-up	15%						\$ 4,838.98		
Estimating									\$ 3,000.00
TOTAL							\$ 37,098.85		\$ 44,243.92
GRAND TOTAL L&M									\$ 81,342.77

**DIVISION 2 - DEMOLITON**

Selective Demolition not performed	-1 CY @	278 /CY =	\$ (278.00)
Mass Demolition - Breaking & Removal	89 CY @	98 /CY =	\$ 8,722.00
Mass Demolition - Carting	89 CY @	40 /CY =	\$ 3,560.00
TOTAL			<u>\$12,004.00</u>