



# NOTICE OF MEETING AND AGENDA

## Building Projects Committee

NOTICE IS HEREBY GIVEN IN ACCORDANCE WITH SECTIONS 18-25 OF CHAPTER 30A OF THE GENERAL LAWS OF THE COMMONWEALTH OF MASSACHUSETTS THAT A MEETING OF THE **BUILDING PROJECTS COMMITTEE** WILL BE HELD AT **4:30 P.M. ON THURSDAY, APRIL 9, 2015, IN THE SELECTMEN'S MEETING ROOM, 2<sup>ND</sup> FLOOR, TOWN HALL, 54 SOUTH AVENUE, WHITMAN MA**

Francis J. Lynam, Chairman, Building Projects Committee

April 6, 2015

Date

### Agenda

- Roll Call:

|                  |                    |                 |  |  |
|------------------|--------------------|-----------------|--|--|
| Richard Anderson | Joshua MacNeil     | Aaron Taylor    |  |  |
| Robert Curran    | Terry Plante       | Invited Guests: |  |  |
| Patrick Fatyol   | Christopher Powers | Peter Palaza    |  |  |
| Frank Lynam      | Daniel Salvucci    |                 |  |  |

- Public Forum

- Review and approval of Invoices/Applications for Payment:  
INVOICES:

APPLICATIONS FOR PAYMENT:

Veterans Development Corporation \$ 233,886.20

- REVIEW PCO's

- Laracy Electric Extend Underground Conduit 19,707.31
- Laracy Electric Rework Panel and Feeders 16,478.85
- Laracy Electric Underground Conduits 10,340.73
- Laracy Electric Wire New Generator 24,305.09

- Budget Review
- Round table discussion
- Adjourn

**TO OWNER:**

New A/C Systems Whitman Town Hall  
 Town of Whitman  
 54 South Avenue  
 Whitman, MA 02382

**FROM CONTRACTOR:**

Tax ID#20-1750051  
 VETERANS DEVELOPMENT CORP  
 100 GRANDVIEW ROAD SUITE 410  
 BRAINTREE, MA 02184  
 781-659-4050,

**CONTRACT FOR:**

**PROJECT:**

New A/C Systems Whitman Town Hall  
 Town of Whitman  
 54 South Avenue  
 Whitman, MA 02382

**VIA ARCHITECT:**

**APPLICATION NO:**

2

**PERIOD TO:**

3/31/2015

**PROJECT NOS:**

**CONTRACT DATE:**

1/22/2015

Distribution to:

|                          |            |
|--------------------------|------------|
| <input type="checkbox"/> | OWNER      |
| <input type="checkbox"/> | ARCHITECT  |
| <input type="checkbox"/> | CONTRACTOR |
| <input type="checkbox"/> | _____      |

**CONTRACTOR'S APPLICATION FOR PAYMENT**

Application is made for payment, as shown below, in connection with the Contract. Continuation Sheet is attached.

|  |                      |
|--|----------------------|
| 1. ORIGINAL CONTRACT SUM   | <u>\$ 747,270.00</u> |
| 2. Net change by Change Orders   | <u>\$ -</u>          |
| 3. CONTRACT SUM TO DATE (Line 1 + 2)   | <u>\$ 747,270.00</u> |
| 4. TOTAL COMPLETED & STORED TO DATE<br>(Column G on Continuation Sheet)      | <u>\$ 273,663.00</u> |
| 5. RETAINAGE:  |                      |
| a. <u>0 to 5</u> % of Complete Work<br>(Columns D + E on Continuation Sheet) | <u>\$ 13,037.60</u>  |
| b. <u>0 to 5</u> % of Stored Material<br>(Column F on Continuation Sheet)    | <u>\$ -</u>          |
| Total Retainage (Line 5a + 5b or<br>Total in Column I of Continuation Sheet) | <u>\$ 13,037.60</u>  |
| 6. TOTAL EARNED LESS RETAINAGE<br>(Line 4 less Line 5 Total)                 | <u>\$ 260,625.40</u> |
| 7. LESS PREVIOUS CERTIFICATES FOR PAYMENT<br>(Line 6 from prior Certificate) | <u>\$ 26,739.20</u>  |
| 8. CURRENT PAYMENT DUE   | <u>\$ 233,886.20</u> |
| 9. BALANCE TO FINISH, INCLUDING RETAINAGE<br>(Line 3 less Line 6)            | <u>\$ 486,644.60</u> |

| CHANGE ORDER SUMMARY                               | ADDITIONS | DEDUCTIONS |
|--|-----------|------------|
| Total changes approved in previous months by Owner | \$ -      | \$ -       |
| Total approved this month                          | \$ -      | \$ -       |
| TOTALS   | \$ -      | \$ -       |
| NET CHANGES by Change Order                        | \$ -      | \$ -       |

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which Certificates for payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: VETERANS DEVELOPMENT CORP  
 By: [Signature] Date: 3-25-2015

State of: MA  
 County of: Norfolk

Subscribed and sworn to before 25 day of March 2015  
 me this

Notary Public: Janet Wilson  
 My Commission expires: 09-25-2020

**ARCHITECT'S CERTIFICATE FOR PAYMENT**  
 In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$233,866.20

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified)

ARCHITECT: BW Engineers, Inc.  
 By: [Signature] Date: 03-29-15

This certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract





**LARACY**

***ELECTRICAL CONTRACTORS, INC.***

***11 Queens Ct. ~ Walpole, MA 02081***

***508-250-3442***

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3/31/15

**Proposal: Change Order #1 - Extend transformer conduits to new location.**

**Installation of the following electrical work:**

**Extend transformer conduits to new location in parking lot.**

**Extension of time 4 weeks**

**Total =\$19,707.31**

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**DIVISION OF CAPITAL ASSET MANAGEMENT**

**FORMAT FOR SUBMISSION OF CHANGE ORDER**

**WORK OF "FILED SUB CONTRACTOR" AND/OR "GENERAL CONTRACTOR"**

**NOTE:** CO#1- Extension of transformer conduits

**WORK OF THE "FILED SUB" CONTRACTOR**

**1. DIRECT LABOR: "FILED SUB CONTRACTOR":**

To Include: Prevailing Wage Per Specifications or Verified Union Base Wage, Health/Welfare, Pension and Annuities

| <u>Trade</u> | <u>Classification</u> | <u>No. of Workers</u> | <u>Total Hrs. Worked</u> | <u>Pay Per Hour</u> | <u>Total Cost</u> |
|--------------|-----------------------|-----------------------|--------------------------|---------------------|-------------------|
| Electrical   | electrical            | 2                     | 87.96                    | \$ 56.34            | \$ 4,955.66       |
|              |                       |                       |                          |                     | \$ -              |
|              |                       |                       |                          |                     | \$ -              |
|              |                       |                       |                          |                     | \$ -              |
|              |                       |                       |                          |                     | \$ -              |
|              |                       |                       |                          |                     | \$ -              |

**TOTAL LABOR COST:** \$ 4,955.66

**2. MATERIALS: "FILED SUB CONTRACTOR":**

| <u>Type of Material</u> | <u>Quantity</u> | <u>Item Price</u> | <u>Total Cost</u> |
|-------------------------|-----------------|-------------------|-------------------|
| See attached list       | 1               |                   | \$ 9,954.18       |
|                         |                 |                   | \$ -              |
|                         |                 |                   | \$ -              |
|                         |                 |                   | \$ -              |
|                         |                 |                   | \$ -              |

**TOTAL MATERIALS COST:** \$ 9,954.180

**3. EQUIPMENT: "FILED SUB CONTRACTOR":**

| <u>Type of Equipment</u> | <u>Hours Required</u> | <u>Cost per Unit per hr.</u> | <u>Total Cost</u> |
|--------------------------|-----------------------|------------------------------|-------------------|
| Pulling Machine          | 4                     | \$ 68.50                     | \$ 274.00         |
|                          |                       |                              | \$ -              |
|                          |                       |                              | \$ -              |
|                          |                       |                              | \$ -              |

**TOTAL EQUIPMENT COST:** \$ 274.00

**4. SUB TOTAL "FILED SUB CONTRACTOR" COST FOR ITEMS 1., 2. & 3.:**

**SUB TOTAL:** \$ 15,183.84

**5. MISC. LUMP SUM SERVICES PROVIDED TO "FILED SUB CONTRACTOR" (POLICE DETAIL, UTILITIES, LUMP SUM SUB SUB WORK, ETC.):**

| <u>Type of Miscellaneous Lump Sum Service</u> | <u>Cost</u> | <u>Total Cost</u> |
|---|-------------|-------------------|
|   |             | \$ -              |
|   |             | \$ -              |

**TOTAL MISC. LUMP SUM SERVICE COST:** \$ -



03/31/15 07:59

New Transformer Location

EXTENSION BY PHASE

| Item #                      | Description                       | Qty    | Price U     | Ext Price |   |
|-----------------------------|-----------------------------------|--------|-------------|-----------|---|
| --- 02 Wire & Cable ---     |                                   |        |             |           |   |
| 2822                        | #1/0 XHHW CU Stranded Wire        | 177.00 | 2,594.51 M  | 459.23    | 1 |
| 2830                        | #500MCM XHHW CU Stranded Wire     | 708.00 | 10,497.84 M | 7,432.47  | 1 |
|                             | --- 02 Wire & Cable Total ---     |        |             | 7,891.70  |   |
| --- 06 Underground/Site --- |                                   |        |             |           |   |
| 2123                        | 4" PVC Coupling                   | 18.00  | 367.31 C    | 66.12     |   |
| 2179                        | 4" GRC Elbow (30" Radius)         | 2.00   | 275.53 E    | 551.06    |   |
| 2274                        | PVC Glue (Quart)                  | 2.00   | 1,335.28 C  | 26.71     |   |
| 2368                        | 4"x3" Base Spacer                 | 42.63  | 166.41 C    | 70.94     | 1 |
| 8178                        | 4" PVC (Schedule-80)              | 261.00 | 516.34 C    | 1,347.65  |   |
|                             | --- 06 Underground/Site Total --- |        |             | 2,062.48  |   |
|                             | Job Total                         |        |             | 9,954.18  |   |



**LARACY**

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***11 Queens Ct. ~ Walpole, MA 02081***

***508-250-3442***

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3/31/15

**Proposal: Change Order #2- Rework panels and feeders for future generator install.**

**Installation of the following electrical work:**

**Change panel HP2 from 150amp to 225amp and panel HPB1 from 400amp panel to 225amp panel and feeders (no cost swap).**

**Extend panel HP2 feeder to existing MDP in basement mechanical room so it will be off of future generator. Install new 225amp breaker in existing MDP to power panel HP2.**

**Extend 4" conduit and feeder that will power existing MDP to new ATS location.**

**Install new 4" conduit and feeder to power new ATS.**

**Mount and wire ATS.**

**Exclusions:**

**Supply of ATS**

**Delivery, unloading and placing ATS into new location.**

**Startup of ATS by manufacture rep.**

**Service and maintenance of ATS.**

**Extension of time 4 weeks**

**Total =\$16,478.85**

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**DIVISION OF CAPITAL ASSET MANAGEMENT**

**FORMAT FOR SUBMISSION OF CHANGE ORDER**

**WORK OF "FILED SUB CONTRACTOR" AND/OR "GENERAL CONTRACTOR"**

**NOTE:** CO#2- Rework panels and feeders for future generator install.

**WORK OF THE "FILED SUB" CONTRACTOR**

**1. DIRECT LABOR: "FILED SUB CONTRACTOR":**

To Include: Prevailing Wage Per Specifications or Verified Union Base Wage, Health/Welfare, Pension and Annuities

| <u>Trade</u> | <u>Classification</u> | <u>No. of Workers</u> | <u>Total Hrs. Worked</u> | <u>Pay Per Hour</u> | <u>Total Cost</u> |
|--------------|-----------------------|-----------------------|--------------------------|---------------------|-------------------|
| Electrical   | electrical            | 2                     | 87.34                    | \$ 56.34            | \$ 4,920.74       |
|              |                       |                       |                          |                     | \$ -              |
|              |                       |                       |                          |                     | \$ -              |
|              |                       |                       |                          |                     | \$ -              |
|              |                       |                       |                          |                     | \$ -              |
|              |                       |                       |                          |                     | \$ -              |

**TOTAL LABOR COST:** \$ 4,920.74

**2. MATERIALS: "FILED SUB CONTRACTOR":**

| <u>Type of Material</u> | <u>Quantity</u> | <u>Item Price</u> | <u>Total Cost</u> |
|-------------------------|-----------------|-------------------|-------------------|
| See attached list       | 1               |                   | \$ 7,307.45       |
|                         |                 |                   | \$ -              |
|                         |                 |                   | \$ -              |
|                         |                 |                   | \$ -              |
|                         |                 |                   | \$ -              |

**TOTAL MATERIALS COST:** \$ 7,307.45

**3. EQUIPMENT: "FILED SUB CONTRACTOR":**

| <u>Type of Equipment</u> | <u>Hours Required</u> | <u>Cost per Unit per hr.</u> | <u>Total Cost</u> |
|--------------------------|-----------------------|------------------------------|-------------------|
| Pulling Machine          | 4                     | \$ 68.50                     | \$ 274.00         |
|                          |                       |                              | \$ -              |
|                          |                       |                              | \$ -              |
|                          |                       |                              | \$ -              |
|                          |                       |                              | \$ -              |

**TOTAL EQUIPMENT COST:** \$ 274.00

**4. SUB TOTAL "FILED SUB CONTRACTOR" COST FOR ITEMS 1., 2. & 3.:**

**SUB TOTAL:** \$ 12,502.19

**5. MISC. LUMP SUM SERVICES PROVIDED TO "FILED SUB CONTRACTOR" (POLICE DETAIL, UTILITIES, LUMP SUM SUB SUB WORK, ETC.):**

| <u>Type of Miscellaneous Lump Sum Service</u> | <u>Cost</u> | <u>Total Cost</u> |
|---|-------------|-------------------|
|   |             | \$ -              |
|   |             | \$ -              |

**TOTAL MISC. LUMP SUM SERVICE COST:** \$ -



## CO#2- Rework panels and feeders

## EXTENSION BY PHASE

| Item #                                  | Description                          | Qty    | Price U     | Ext Price |
|---|--------------------------------------|--------|-------------|-----------|
| --- 01 Raceway, Ftgs, & Boxes ---       |                                      |        |             |           |
| 1009                                    | 4" EMT                               | 44.00  | 439.01 C    | 193.16    |
| 1016                                    | 2-1/2" EMT (Difficult)               | 96.00  | 238.52 C    | 228.98    |
| 1343                                    | 2-1/2" EMT Elbow                     | 4.00   | 3,038.74 C  | 121.55    |
| 1346                                    | 4" EMT Elbow                         | 3.00   | 7,144.27 C  | 214.33    |
| 1442                                    | 2-1/2" Set Screw Steel Conn          | 4.00   | 1,871.53 C  | 74.86     |
| 1445                                    | 4" Set Screw Steel Conn              | 4.00   | 2,598.89 C  | 103.96    |
| 1562                                    | 2-1/2" Set Screw Steel Cplg          | 13.60  | 1,547.81 C  | 210.50    |
| 1565                                    | 4" Set Screw Steel Cplg              | 7.40   | 1,818.14 C  | 134.54    |
| 2364                                    | 4" Conduit Hanger w/Bolt             | 5.50   | 508.47 C    | 27.97     |
| 2552                                    | 3/8" Hex Nut                         | 118.00 | 17.39 C     | 20.52     |
| 2557                                    | Angle Bracket for 1/4-3/8 Rod        | 29.50  | 48.35 C     | 14.26     |
| 2559                                    | 5/16x2" Lag Screw                    | 29.50  | 32.30 C     | 9.53      |
| 6656                                    | 3/8x2-1/4" Bolt (Hex Head Cap Screw) | 4.00   | 53.22 C     | 2.13      |
| 6659                                    | 3/8" Flat Washer                     | 18.00  | 11.26 C     | 2.03      |
| 6662                                    | 3/8" Nut                             | 18.00  | 13.04 C     | 2.35      |
| 8238                                    | 4" Field Knockout (labor only)       | 2.00   | 0.00 E      | 0.00      |
| 8248                                    | 4" x 8" Core Drill Concrete          | 2.00   | 0.00 E      | 0.00      |
| --- 01 Raceway, Ftgs, & Boxes Total --- |                                      |        |             | 1,360.67  |
| --- 02 Wire & Cable ---                 |                                      |        |             |           |
| 2818                                    | #4 XHHW CU Stranded Wire             | 116.00 | 1,008.15 M  | 116.95    |
| 2822                                    | #1/0 XHHW CU Stranded Wire           | 62.00  | 2,594.51 M  | 160.86    |
| 2825                                    | #4/0 XHHW CU Stranded Wire           | 464.00 | 4,559.94 M  | 2,115.81  |
| 2830                                    | #500MCM XHHW CU Stranded Wire        | 248.00 | 10,497.84 M | 2,603.46  |
| --- 02 Wire & Cable Total ---           |                                      |        |             | 4,997.08  |
| --- 07 Misc ---                         |                                      |        |             |           |
| 2550                                    | 3/8" All Thread                      | 70.00  | 86.05 C     | 60.23     |
| 6644                                    | Unistrut (Deep)                      | 44.00  | 465.98 C    | 205.04    |
| 6650                                    | Cut 12 Gauge 1-5/8x1-5/8 Channel (la | 20.00  | 0.00 E      | 0.00      |
| 6666                                    | 3/8" Spring Nuts                     | 8.00   | 101.16 C    | 8.09      |
| 6928                                    | 225amp breaker                       | 1.00   | 676.34 E    | 676.34    |
| --- 07 Misc Total ---                   |                                      |        |             | 949.70    |
| Job Total                               |                                      |        |             | 7,307.45  |



**LARACY**

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***508-250-3442***

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3/31/15

**Proposal: Change Order #3-Install exterior underground conduits for future generator. Leave both end capped on the exterior.**

**Installation of the following electrical work:**

**Run new conduits underground from building to new generator location and leave one end capped at building and one capped at generator pad.**

**1-4" conduit for power for future 400amp ATS**

**1-1 $\frac{1}{4}$ " conduit for power for future tie in at existing ATS**

**1-1" conduit for future annunciator**

**1-1" conduit for future block heater and battery charger.**

**1-3/4" conduit for start circuit**

Exclusions:

Site work

Generator pad

Pad layout

Extension of time 3 weeks

**Total =\$10,340.73**

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**DIVISION OF CAPITAL ASSET MANAGEMENT**

**FORMAT FOR SUBMISSION OF CHANGE ORDER**

**WORK OF "FILED SUB CONTRACTOR" AND/OR "GENERAL CONTRACTOR"**

**NOTE:** CO#3- New exterior underground conduits for future generator.

**WORK OF THE "FILED SUB" CONTRACTOR**

**1. DIRECT LABOR: "FILED SUB CONTRACTOR":**

To Include: Prevailing Wage Per Specifications or Verified Union Base Wage, Health/Welfare, Pension and Annuities

| <u>Trade</u> | <u>Classification</u> | <u>No. of Workers</u> | <u>Total Hrs. Worked</u> | <u>Pay Per Hour</u> | <u>Total Cost</u> |
|--------------|-----------------------|-----------------------|--------------------------|---------------------|-------------------|
| Electrical   | electrical            | 2                     | 57.97                    | \$ 56.34            | \$ 3,266.02       |
|              |                       |                       |                          |                     | \$ -              |
|              |                       |                       |                          |                     | \$ -              |
|              |                       |                       |                          |                     | \$ -              |
|              |                       |                       |                          |                     | \$ -              |
|              |                       |                       |                          |                     | \$ -              |

**TOTAL LABOR COST:** \$ 3,266.02

**2. MATERIALS: "FILED SUB CONTRACTOR":**

| <u>Type of Material</u> | <u>Quantity</u> | <u>Item Price</u> | <u>Total Cost</u> |
|-------------------------|-----------------|-------------------|-------------------|
| See attached list       | 1               |                   | \$ 4,317.81       |
|                         |                 |                   | \$ -              |
|                         |                 |                   | \$ -              |
|                         |                 |                   | \$ -              |
|                         |                 |                   | \$ -              |

**TOTAL MATERIALS COST:** \$ 4,317.81

**3. EQUIPMENT: "FILED SUB CONTRACTOR":**

| <u>Type of Equipment</u> | <u>Hours Required</u> | <u>Cost per Unit per hr.</u> | <u>Total Cost</u> |
|--------------------------|-----------------------|------------------------------|-------------------|
| Heat blanket             | 4                     | \$ 54.21                     | \$ 216.94         |
|                          |                       |                              | \$ -              |
|                          |                       |                              | \$ -              |
|                          |                       |                              | \$ -              |

**TOTAL EQUIPMENT COST:** \$ 216.94

**4. SUB TOTAL "FILED SUB CONTRACTOR" COST FOR ITEMS 1., 2. & 3.:**

**SUB TOTAL:** \$ 7,800.77

**5. MISC. LUMP SUM SERVICES PROVIDED TO "FILED SUB CONTRACTOR" (POLICE DETAIL, UTILITIES, LUMP SUM SUB SUB WORK, ETC.):**

| <u>Type of Miscellaneous Lump Sum Service</u> | <u>Cost</u> | <u>Total Cost</u> |
|---|-------------|-------------------|
|   |             | \$ -              |
|   |             | \$ -              |

**TOTAL MISC. LUMP SUM SERVICE COST:** \$ -



## CO#3- generator exterior future conduits

## EXTENSION BY PHASE

| Item #                                  | Description                    | Qty    | Price U    | Ext Price |
|---|--------------------------------|--------|------------|-----------|
| --- 01 Raceway, Ftgs, & Boxes ---       |                                |        |            |           |
| 1051                                    | 3/4" GRC                       | 8.00   | 63.03 C    | 5.04      |
| 1052                                    | 1" GRC                         | 12.00  | 97.34 C    | 11.68     |
| 1053                                    | 1-1/4" GRC                     | 8.00   | 135.19 C   | 10.82     |
| 1059                                    | 4" GRC                         | 8.00   | 592.82 C   | 47.43     |
| 1144                                    | 3/4" Liquidtight (metallic)    | 5.00   | 177.80 C   | 8.89      |
| 1587                                    | 3/4" Locknut                   | 10.00  | 19.00 C    | 1.90      |
| 1588                                    | 1" Locknut                     | 24.00  | 31.78 C    | 7.62      |
| 1589                                    | 1-1/4" Locknut                 | 14.00  | 41.05 C    | 5.74      |
| 1595                                    | 4" Locknut                     | 14.00  | 590.78 C   | 82.71     |
| 1599                                    | 3/4" Plastic Bushing           | 4.00   | 15.04 C    | 0.60      |
| 1600                                    | 1" Plastic Bushing             | 8.00   | 25.28 C    | 2.02      |
| 1601                                    | 1-1/4" Plastic Bushing         | 4.00   | 36.01 C    | 1.44      |
| 1607                                    | 4" Plastic Bushing             | 4.00   | 331.96 C   | 13.28     |
| 1644                                    | 1" Grounding Bushing           | 4.00   | 271.38 C   | 10.86     |
| 1645                                    | 1-1/4" Grounding Bushing       | 2.00   | 339.56 C   | 6.79      |
| 1651                                    | 4" Grounding Bushing           | 2.00   | 1,678.08 C | 33.56     |
| 1766                                    | 3/4" Cut & Thread              | 2.00   | 0.00 E     | 0.00      |
| 1767                                    | 1" Cut & Thread                | 8.00   | 0.00 E     | 0.00      |
| 1768                                    | 1-1/4" Cut & Thread            | 4.00   | 0.00 E     | 0.00      |
| 1774                                    | 4" Cut & Thread                | 4.00   | 0.00 E     | 0.00      |
| 1867                                    | 1" GRC Coupling                | 8.00   | 208.21 C   | 16.66     |
| 1868                                    | 1-1/4" GRC Coupling            | 4.00   | 260.31 C   | 10.41     |
| 1874                                    | 4" GRC Coupling                | 4.00   | 1,876.30 C | 75.05     |
| 1931                                    | 3/4" Seal-tite Conn (Str)      | 4.00   | 347.10 C   | 13.88     |
| 2337                                    | 1" Unistrut Strap              | 2.00   | 103.60 C   | 2.07      |
| 2338                                    | 1-1/4" Unistrut Strap          | 1.00   | 115.64 C   | 1.16      |
| 2344                                    | 4" Unistrut Strap              | 1.00   | 692.09 C   | 6.92      |
| --- 01 Raceway, Ftgs, & Boxes Total --- |                                |        |            | 376.53    |
| --- 02 Wire & Cable ---                 |                                |        |            |           |
| 2813                                    | #14 XHHW CU Stranded Wire      | 453.60 | 141.66 M   | 64.25     |
| 3128                                    | #4/0 Stranded Bare Copper Wire | 80.00  | 3,944.79 M | 315.58    |
| --- 02 Wire & Cable Total ---           |                                |        |            | 379.83    |
| --- 06 Underground/Site ---             |                                |        |            |           |
| 2061                                    | 3/4" PVC Male Adaptor          | 2.00   | 27.87 C    | 0.56      |
| 2062                                    | 1" PVC Male Adaptor            | 8.00   | 35.16 C    | 2.81      |
| 2063                                    | 1-1/4" PVC Male Adaptor        | 6.00   | 45.22 C    | 2.71      |
| 2069                                    | 4" PVC Male Adaptor            | 6.00   | 335.13 C   | 20.11     |
| 2115                                    | 3/4" PVC Coupling              | 4.00   | 14.61 C    | 0.58      |
| 2116                                    | 1" PVC Coupling                | 20.00  | 22.50 C    | 4.50      |
| 2117                                    | 1-1/4" PVC Coupling            | 6.00   | 30.01 C    | 1.80      |
| 2123                                    | 4" PVC Coupling                | 10.00  | 367.31 C   | 36.73     |
| 2127                                    | 3/4" PVC Elbow                 | 4.00   | 47.50 C    | 1.90      |
| 2191                                    | 1" GRC Elbow (48" Radius)      | 8.00   | 82.23 E    | 657.84    |
| 2198                                    | 4" GRC Elbow (48" Radius)      | 4.00   | 443.22 E   | 1,772.88  |
| 2274                                    | PVC Glue (Quart)               | 3.00   | 1,335.28 C | 40.06     |
| 2368                                    | 4"x3" Base Spacer              | 21.88  | 110.94 C   | 24.26     |
| 8171                                    | 3/4" PVC (Schedule-80)         | 95.00  | 33.38 C    | 31.71     |
| 8172                                    | 1" PVC (Schedule-80)           | 190.00 | 81.32 C    | 154.51    |
| 8173                                    | 1-1/4" PVC (Schedule-80)       | 95.00  | 113.57 C   | 107.89    |
| 8178                                    | 4" PVC (Schedule-80)           | 95.00  | 553.22 C   | 525.56    |

03/31/15 12:45

CO#3- generator exterior future conduits

EXTENSION BY PHASE

| Item #                            | Description                          | Qty    | Price U  | Ext Price |
|-----------------------------------|--------------------------------------|--------|----------|-----------|
| --- 06 Underground/Site Total --- |                                      |        |          | 3,386.41  |
| --- 07 Misc ---                   |                                      |        |          |           |
| 3110                              | 3/8" Pull Line                       | 428.40 | 193.80 M | 83.02     |
| 6644                              | Unistrut (Deep)                      | 10.00  | 465.98 C | 46.60     |
| 6650                              | Cut 12 Gauge 1-5/8x1-5/8 Channel (1a | 4.00   | 0.00 E   | 0.00      |
| 6670                              | 5/8"x8' Copper Ground Rod            | 5.00   | 835.71 C | 41.79     |
| 6675                              | 5/8" Ground Rod Clamp                | 5.00   | 72.65 C  | 3.63      |
| --- 07 Misc Total ---             |                                      |        |          | 175.04    |
| Job Total                         |                                      |        |          | 4,317.81  |



**LARACY**

**ELECTRICAL CONTRACTORS, INC.**

**11 Queens Ct. ~ Walpole, MA 02081**

**508-250-3442**

3/31/15

**Proposal: Change Order #4- Wire new generator, finish conduits inside and pull in generator feeds.**

**Installation of the following electrical work:**

**Install conduits from exterior of the building to the interior new ATS, annunciator panel, existing ATS, existing panel.**

**Pull in feeders to new generator, wire new generator and annunciator.**

**Disconnect existing generator and annunciator feed.**

Exclusions:

Generator, annunciator, ATS

Receiving and unloading generator on pad.

Securing generator to pad

Gas line, fuel, exhaust, assembling of any generator parts.

Startup/maintenance.

2hr fire rated chase around 1 1/4" inside conduit.

Weather proof exterior disconnects

Removal of old generator. Fire alarm tie in.

Design and code compliant by others.

Any items not mentioned above.

Extension of time: 3 weeks

**Total =\$24,305.09**

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**DIVISION OF CAPITAL ASSET MANAGEMENT**

**FORMAT FOR SUBMISSION OF CHANGE ORDER**

**WORK OF "FILED SUB CONTRACTOR" AND/OR "GENERAL CONTRACTOR"**

**NOTE:** CO#4- Wire new generator, install piping on the inside of the building, pull in feeders.

**WORK OF THE "FILED SUB" CONTRACTOR**

**1. DIRECT LABOR: "FILED SUB CONTRACTOR":**

To Include: Prevailing Wage Per Specifications or Verified Union Base Wage, Health/Welfare, Pension and Annuities

| Trade      | Classification | No. of Workers | Total Hrs. Worked | Pay Per Hour | Total Cost  |
|------------|----------------|----------------|-------------------|--------------|-------------|
| Electrical | electrical     | 2              | 129.62            | \$ 56.34     | \$ 6,822.77 |
|            |                |                |                   |              | \$ -        |
|            |                |                |                   |              | \$ -        |
|            |                |                |                   |              | \$ -        |
|            |                |                |                   |              | \$ -        |
|            |                |                |                   |              | \$ -        |

**TOTAL LABOR COST:** \$ 7,302.79

**2. MATERIALS: "FILED SUB CONTRACTOR":**

| Type of Material  | Quantity | Item Price | Total Cost  |
|-------------------|----------|------------|-------------|
| See attached list | 1        |            | \$ 9,906.03 |
|                   |          |            | \$ -        |
|                   |          |            | \$ -        |
|                   |          |            | \$ -        |
|                   |          |            | \$ -        |
|                   |          |            | \$ -        |

**TOTAL MATERIALS COST:** \$ 9,906.030

**3. EQUIPMENT: "FILED SUB CONTRACTOR":**

| Type of Equipment | Hours Required | Cost per Unit per hr. | Total Cost |
|-------------------|----------------|-----------------------|------------|
| Pulling Machine   | 8              | \$ 68.50              | \$ 548.00  |
|                   |                |                       | \$ -       |
|                   |                |                       | \$ -       |
|                   |                |                       | \$ -       |
|                   |                |                       | \$ -       |

**TOTAL EQUIPMENT COST:** \$ 548.00

**4. SUB TOTAL "FILED SUB CONTRACTOR" COST FOR ITEMS 1., 2. & 3.:**

**SUB TOTAL:** \$ 17,759.79

**5. MISC. LUMP SUM SERVICES PROVIDED TO "FILED SUB CONTRACTOR" (POLICE DETAIL, UTILITIES, LUMP SUM SUB SUB WORK, ETC.):**

| Type of Miscellaneous Lump Sum Service | Cost      | Total Cost |
|--|-----------|------------|
| Coring company                         | \$ 750.00 | \$ 750.00  |
|  |           | \$ -       |
|  |           | \$ -       |

**TOTAL MISC. LUMP SUM SERVICE COST:** \$ 750.000

**CHANGE ORDER SUBMISSION FORMAT CONTINUED:**

6. **"FILED SUB" ALLOWED 7% O&P Mark Up - MISC. LUMP SUM SERVICES:** 7% x ITEM 5.: \$ 52.50

7. **SUB TOTAL "FILED SUB CONTRACTOR" LINE ITEMS 4., 5. & 6.:** SUB TOTAL: \$ 18,562.29

8. **INSURANCE AND TAXES ON "FILED SUB CONTRACTOR" DIRECT LABOR ONLY:**

A. Insurance And Taxes At 30% (Enter 30% x Total of Item 1.): **30%** x ITEM 1.: \$ 2,190.84

*OR*

B. Actual Documented Cost Of Insurance & Taxes On Direct Labor Only. **As Per Contract Include Only The Following:**

- \* Workmen's Compensation
- \* Massachusetts Unemployment Compensation
- \* Federal Social Security
- \* Liability Insurance

Documented Insurance & Taxes (Enter Approved % x Total of Item 1.): **0.00%** x ITEM 1.: \$ -

9. **OTHER APPROVED "FILED SUB CONTRACTOR" DIRECT LABOR FRINGE BENEFITS:**

(i.e.: Apprentice Training, Education Fund, Legal, Travel, ETC.)

FRINGE BENEFITS:

10. **OVERHEAD AND PROFIT OF "FILED SUB CONTRACTOR":**

Filed Sub Contractor can charge 20% of actual total cost of Item 4.:

**FILED SUB**  
20% x ITEM 4.: \$ 3,551.96

11. **TOTAL OF ITEMS 7., 8. (A. or B.), 9. and 10.**

**TOTAL COST OF WORK PERFORMED BY "FILED SUB CONTRACTOR":**

**TOTAL "FILED SUB CONTRACTOR" COST:** \$ 24,305.09



**WORK OF THE "GENERAL" CONTRACTOR + "NON-FILED" SUBS**

12. **DIRECT LABOR: "GENERAL CONTRACTOR" + "NON-FILED" SUBS:**

To Include: Prevailing Wage Per Specifications or Verified Union Base Wage, Health/Welfare, Pension and Annuities

| Trade      | Classification | No. of Workers | Total Hrs. Worked | Pay Per Hour | Total Cost |
|------------|----------------|----------------|-------------------|--------------|------------|
| Electrical | electrical     |                |                   |              | \$ -       |
|            |                |                |                   |              | \$ -       |
|            |                |                |                   |              | \$ -       |
|            |                |                |                   |              | \$ -       |
|            |                |                |                   |              | \$ -       |
|            |                |                |                   |              | \$ -       |
|            |                |                |                   |              | \$ -       |
|            |                |                |                   |              | \$ -       |
|            |                |                |                   |              | \$ -       |
|            |                |                |                   |              | \$ -       |

**TOTAL LABOR COST:** \$ -

## CO#4- Wire generator, ATS and pull in wir

## EXTENSION BY PHASE

| Item #                                  | Description                         | Qty      | Price U     | Ext Price |
|---|-------------------------------------|----------|-------------|-----------|
| --- 01 Raceway, Ftgs, & Boxes ---       |                                     |          |             |           |
| 1011                                    | 3/4" EMT (Difficult)                | 25.00    | 21.25 C     | 5.31      |
| 1012                                    | 1" EMT (Difficult)                  | 95.00    | 37.18 C     | 35.32     |
| 1013                                    | 1-1/4" EMT (Difficult)              | 77.00    | 56.21 C     | 43.28     |
| 1019                                    | 4" EMT (Difficult)                  | 25.00    | 222.43 C    | 55.61     |
| 1144                                    | 3/4" Liquidtight (metallic)         | 5.00     | 177.80 C    | 8.89      |
| 1145                                    | 1" Liquidtight (metallic)           | 10.00    | 268.10 C    | 26.82     |
| 1146                                    | 1-1/4" Liquidtight (metallic)       | 5.00     | 366.80 C    | 18.34     |
| 1151                                    | 4" Liquidtight (metallic)           | 5.00     | 1,944.60 C  | 97.23     |
| 1340                                    | 1-1/4" EMT Elbow                    | 7.00     | 496.81 C    | 34.77     |
| 1346                                    | 4" EMT Elbow                        | 3.00     | 5,048.62 C  | 151.46    |
| 1437                                    | 3/4" Set Screw Steel Conn           | 2.00     | 51.27 C     | 1.03      |
| 1438                                    | 1" Set Screw Steel Conn             | 4.00     | 86.36 C     | 3.46      |
| 1439                                    | 1-1/4" Set Screw Steel Conn         | 4.00     | 280.09 C    | 11.20     |
| 1445                                    | 4" Set Screw Steel Conn             | 2.00     | 2,598.89 C  | 51.98     |
| 1557                                    | 3/4" Set Screw Steel Cplg           | 2.50     | 62.29 C     | 1.56      |
| 1558                                    | 1" Set Screw Steel Cplg             | 9.50     | 98.50 C     | 9.36      |
| 1559                                    | 1-1/4" Set Screw Steel Cplg         | 14.70    | 326.51 C    | 47.99     |
| 1565                                    | 4" Set Screw Steel Cplg             | 5.50     | 1,818.14 C  | 100.00    |
| 1624                                    | 1" LB Condulet w/Cover & Gasket     | 4.00     | 11.21 E     | 44.84     |
| 1625                                    | 1-1/4" LB Condulet w/Cover & Gasket | 2.00     | 16.47 E     | 32.94     |
| 1631                                    | 4" LB Condulet w/Cover & Gasket     | 2.00     | 149.59 E    | 299.18    |
| 1692                                    | 1"x12" GRC Nipple                   | 4.00     | 770.31 C    | 30.81     |
| 1693                                    | 1-1/4"x12" GRC Nipple               | 2.00     | 1,031.09 C  | 20.62     |
| 1699                                    | 4"x12" GRC Nipple                   | 2.00     | 4,247.44 C  | 84.95     |
| 1725                                    | 1" Threadless Conduit Connector     | 4.00     | 395.14 C    | 15.81     |
| 1726                                    | 1-1/4" Threadless Conduit Connector | 2.00     | 776.80 C    | 15.54     |
| 1732                                    | 4" Threadless Conduit Connector     | 2.00     | 14,833.50 C | 296.67    |
| 1931                                    | 3/4" Seal-tite Conn (Str)           | 2.00     | 347.10 C    | 6.94      |
| 1932                                    | 1" Seal-tite Conn (Str)             | 4.00     | 507.12 C    | 20.28     |
| 1933                                    | 1-1/4" Seal-tite Conn (Str)         | 2.00     | 899.51 C    | 17.99     |
| 1939                                    | 4" Seal-tite Conn (Str)             | 2.00     | 19,535.40 C | 390.71    |
| 2279                                    | 3/4" 1-Hole Strap                   | 3.13     | 28.27 C     | 0.88      |
| 2281                                    | 1-1/4" 1-Hole Strap                 | 4.00     | 72.08 C     | 2.88      |
| 2344                                    | 4" Unistrut Strap                   | 3.13     | 692.09 C    | 21.63     |
| 2357                                    | 1" Conduit Hanger w/Bolt            | 5.63     | 46.56 C     | 2.62      |
| 2358                                    | 1-1/4" Conduit Hanger w/Bolt        | 5.63     | 52.92 C     | 2.98      |
| 2552                                    | 3/8" Hex Nut                        | 95.00    | 17.39 C     | 16.52     |
| 2557                                    | Angle Bracket for 1/4-3/8 Rod       | 23.75    | 48.35 C     | 11.48     |
| 2559                                    | 5/16x2" Lag Screw                   | 23.75    | 32.30 C     | 7.68      |
| 2579                                    | 1G WP Bell Box-(3)1/2" Hubs         | 2.00     | 372.78 C    | 7.46      |
| 8230                                    | 3/4" Field Knockout (labor only)    | 1.00     | 0.00 E      | 0.00      |
| 8231                                    | 1" Field Knockout (labor only)      | 2.00     | 0.00 E      | 0.00      |
| 8232                                    | 1-1/4" Field Knockout (labor only)  | 3.00     | 0.00 E      | 0.00      |
| 8238                                    | 4" Field Knockout (labor only)      | 1.00     | 0.00 E      | 0.00      |
| 8242                                    | 1" x 8" Core Drill Concrete         | 2.00     | 0.00 E      | 0.00      |
| 8243                                    | 1-1/4" x 8" Core Drill Concrete     | 4.00     | 0.00 E      | 0.00      |
| 8244                                    | 1-1/2" x 8" Core Drill Concrete     | 2.00     | 0.00 E      | 0.00      |
| 8248                                    | 4" x 8" Core Drill Concrete         | 2.00     | 0.00 E      | 0.00      |
| --- 01 Raceway, Ftgs, & Boxes Total --- |                                     |          |             | 2,055.02  |
| --- 02 Wire & Cable ---                 |                                     |          |             |           |
| 2813                                    | #14 XHHW CU Stranded Wire           | 1,308.00 | 160.55 M    | 210.00    |

03/31/15 12:37

CO#4- Wire generator,ATS and pull in wir

EXTENSION BY PHASE

| Item # | Description                              | Qty    | Price U     | Ext Price |
|--------|--|--------|-------------|-----------|
| 2815   | #10 XHHW CU Stranded Wire                | 712.50 | 301.48 M    | 214.80    |
| 2818   | #4 XHHW CU Stranded Wire                 | 188.00 | 1,142.57 M  | 214.80    |
| 2819   | #3 XHHW CU Stranded Wire                 | 752.00 | 1,403.27 M  | 1,055.25  |
| 2822   | #1/0 XHHW CU Stranded Wire               | 129.00 | 2,594.51 M  | 334.70    |
| 2830   | #500MCM XHHW CU Stranded Wire            | 516.00 | 10,497.84 M | 5,416.88  |
| 4367   | #14-12-10 Wire Termination Labor         | 26.00  | 0.00 E      | 0.00      |
| 4369   | #4-1 Wire Termination Labor              | 18.00  | 0.00 E      | 0.00      |
| 4370   | #2-2/0 Wire Termination Labor            | 2.00   | 0.00 E      | 0.00      |
| 4375   | #500 Wire Termination Labor              | 8.00   | 0.00 E      | 0.00      |
|        | --- 02 Wire & Cable Total ---            |        |             | 7,446.43  |
|        | --- 03 Distribution ---                  |        |             |           |
| 3969   | 20A 2P 120/240V Bolt-On Circuit Brea     | 2.00   | 30.28 E     | 60.56     |
| 3992   | 100A 3P 120/240V Bolt-On Circuit Bre     | 1.00   | 143.19 E    | 143.19    |
|        | --- 03 Distribution Total ---            |        |             | 203.75    |
|        | --- 05 Wiring Devices & Covers ---       |        |             |           |
| 4519   | 20A/125V PremSpec Grde GFI Duplex(5-     | 2.00   | 53.00 E     | 106.00    |
| 4771   | 1G WP Duplex Receptacle Cover            | 2.00   | 254.77 C    | 5.10      |
| 8261   | Grndscr&Bare Pigtail                     | 2.00   | 19.01 C     | 0.38      |
|        | --- 05 Wiring Devices & Covers Total --- |        |             | 111.48    |
|        | --- 07 Misc ---                          |        |             |           |
| 2550   | 3/8" All Thread                          | 70.00  | 86.05 C     | 60.23     |
| 6644   | Unistrut (Deep)                          | 6.25   | 465.98 C    | 29.12     |
| 6650   | Cut 12 Gauge 1-5/8x1-5/8 Channel (1a     | 6.25   | 0.00 E      | 0.00      |
| 6928   | wire Annunciator                         | 1.00   | OPEN        | 0.00      |
| 6929   | Wire Generator,Block heater,Charger      | 1.00   | OPEN        | 0.00      |
| 6930   | Wire Emergency side of ATS               | 1.00   | OPEN        | 0.00      |
|        | --- 07 Misc Total ---                    |        |             | 89.35     |
|        | Job Total                                |        |             | 9,906.03  |