

CHANGE ORDER(s)

AND /OR

LETTER(s) OF EXTENSION

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**CONTRACT CHANGE ORDER NO. 001
DATED DECEMBER 15, 2017**

FILED WITH CONTRACT #34683

(PAUL PASTUSAK DBA PASTUSAK PLUMBING COMPANY)



Date: December 15, 2017
To: Sean Crumby, Deputy Director of Public Works
From: Anne Takii, Administrative Analyst *AT*
Subject: **CONTRACT CHANGE ORDER TRANSMITTAL MEMO**

PROJECT: R-7089 Rainbow Harbor Sewage EVAC
Repair & Upgrade

CONTRACTOR: Paul Pastusak dba Pastusak Plumbing
Company

CCO#: No. 1

ORIGINATED FROM: Construction Management

SOURCE OF FUNDING: CIP/Tidelands

REASON: Extra work needed to complete the project

COST (CCO #1): \$148,393.36

ORIGINAL CONTRACT: \$811,600

APPROVED
CONTINGENCY (25%) \$202,900

TIDELANDS CAPITAL IMPROVEMENT PROJECTS
Certification of Materials and Services

Vendor # V024950-01

BP PO PW17-38

Project PW836.0 Detail 1030

Index PWCIPJB Subobject 210009

Grant Detail

Authorized by Anne Takii 12/15/17

TOTAL CONTRACT PLUS
CONTINGENCY
(Not to Exceed): \$1,014,500

TOTAL AMOUNT OF CCO'S
TO DATE (INCLUDING
PROPOSED CCO'S): \$148,393.36

PERCENT (%) OF CONTINGENCY
USED IN CHANGE ORDERS TO
DATE (INCLUDING PROPOSED): 73.14%

CITY COUNCIL ACTION DATE: July 18, 2017 (ITEM R-32)



OFFICE OF THE CITY MANAGER
CITY OF LONG BEACH
LONG BEACH, CA 90802

Pastusak Plumbing Company
1644 W 17th Street
Long Beach, CA 90813

Date: November 30, 2017
R- 7089
Contract No.: 34683
Program No.: PW8360-10

PROJECT: Long Beach Rainbow Harbor Sewer EVAC Project

CONTRACT CHANGE ORDER AUTHORIZATION NO. 1

PART 1 (Reason for Change)

- 1.1 Change order required for compensating the contractor for the additional work needed to deliver a complete, functional and reliable system per the contract documents. Per bid item #4, the work included the preparation of an estimate to repair the portions of the existing EVAC piping system that were found to be leaking or otherwise found to be defective and in need of replacement. The estimate determined that there were portions of the existing sewer system that were defective and needed replacement.
- 1.2 Change order required for compensating the contractor for extra work for removing the WYE connection which included excavation, slurry backfill, and new pipe material. During the work performed for bid item #4, an existing WYE connection was discovered during the inspection assessment and determined to be inactive. It was then determined that the removal of the existing WYE connection would provide an upgrade to the existing sewer system and be beneficial for the functionality of the system.

PART 2 (Description of Change)

- 2.1 Provide all labor, material and equipment to install new piping, hangers and supports for the existing sewer system. Attached please find Pastusak Plumbing's extra work proposal, *Assessment Report*, that includes the estimate.
- 2.2 Provide all labor, material and equipment to remove and install new piping at the WYE connection. Attached please find Pastusak Plumbing's extra work proposal, *Assessment Wye Removal*, along with J.S. Meek's extra work proposal, *Field Wye Removal*.

PART 3 CHANGE IN CONTRACT AMOUNT

A. BID ITEM QUANTITY ADJUSTMENTS

N/A

B. EXTRA WORK/AGREED PRICE

In accordance with procedures for changes in the work established in the specifications, you are authorized to do the following:

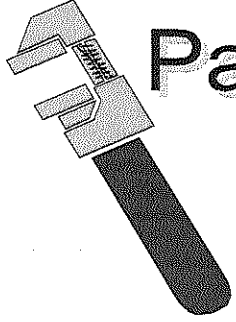
- 1. Furnish to repair the portions of the existing EVAC piping system that were found to be leaking or otherwise found to be defective and in need of replacement. This includes all labor, materials and equipment for additional work for the lump sum of;
.....\$115,034.24
- 2. Remove, Furnish, and install new piping at existing WYE connection within pedestrian walk way to provide an upgrade to the existing sewer EVAC piping system that was discovered during the inspection assessment. This includes all labor, materials and equipment for the work associated with the WYE connection for the lump sum of;
.....\$33,359.12

Net Bid Item Quantity Adjustment = \$0.00
Net Extra Work / Agreed Price = \$148,393.36
Net to Contract Cost = \$148,393.36

|  Long Beach Rainbow Harbor Sewer EVAC - Assessment Report | | Date Performed: T.B.D. | CM - APP | |
|--|-------------------|----------------------------|------------|----------------------|
| Description of Work: Additional work determined after inspection and assessment of the existing sewer line per contract. | | Estimated Cost for PCO #1A | | |
| Description of Repair | Location | QTY | UNIT PRICE | EXTENDED AMOUNTS |
| 3" Unistrut Clamp Change to Stainless Steel | DOCK 2 | 6 | \$ 80.06 | \$ 480.36 |
| 4" Unistrut Clamp Change to Stainless Steel | DOCK 2 | 1 | \$ 87.58 | \$ 87.58 |
| 3" Loop Hangers Change to Stainless Steel (Includes \$70 parts) | DOCK 2 | 3 | \$ 356.99 | \$ 1,070.97 |
| Hanger set up with Unistrut Channel and all Brackets and Clamps | DOCK 2 | 3 | \$ 811.36 | \$ 2,434.08 |
| 4" Loop Hanger Replace to Stainless Steel (Includes \$80 parts) | DOCK 2 | 1 | \$ 366.99 | \$ 366.99 |
| 3" Unistrut Clamp Change to Stainless Steel | DOCK 3 | 10 | \$ 80.06 | \$ 800.60 |
| 2" Loop Hangers Change to Stainless Steel (Includes \$70 parts) | DOCK 3 | 4 | \$ 356.99 | \$ 1,427.96 |
| 2" 2 Hole Clamp Missing on Sewer | DOCK 3 | 1 | \$ 50.00 | \$ 50.00 |
| 3" Unistrut Clamp Change to Stainless Steel | DOCK 4 | 15 | \$ 80.06 | \$ 1,200.90 |
| 2" Loop Hangers Change to Stainless Steel (Includes \$70 parts) | DOCK 4 | 4 | \$ 356.99 | \$ 1,427.96 |
| 2" 2 Hole Clamp Missing on Sewer | DOCK 4 | 1 | \$ 50.00 | \$ 50.00 |
| 3" Unistrut Clamp Change to Stainless Steel | DOCK 5 | 7 | \$ 80.06 | \$ 560.42 |
| 4" Unistrut Clamp Change to Stainless Steel | DOCK 5 | 1 | \$ 87.58 | \$ 87.58 |
| 2" Loop Hangers Change to Stainless Steel (Includes \$70 parts) | DOCK 5 | 5 | \$ 356.99 | \$ 1,784.95 |
| 3" Unistrut Clamp Change to Stainless Steel | DOCK 6 | 4 | \$ 80.06 | \$ 320.24 |
| 4" Unistrut Clamp Change to Stainless Steel | | 1 | \$ 87.58 | \$ 87.58 |
| 2" Loop Hangers Change to Stainless Steel (Includes \$70 parts) | | 1 | \$ 356.99 | \$ 356.99 |
| Hanger set up with Unistrut Channel and all Brackets and Clamps | DOCK 1 - MAIN | 30 | \$ 811.36 | \$ 24,340.80 |
| 2" 2 Hole Clamp Missing on Sewer | DOCK 1 - MAIN | 3 | \$ 50.00 | \$ 150.00 |
| 3" Unistrut Clamp Change to Stainless Steel | DOCK 1 - MAIN | 80 | \$ 80.06 | \$ 6,404.80 |
| 2" Loop Hangers Change to Stainless Steel (Includes \$70 parts) | DOCK 1 - MAIN | 5 | \$ 356.99 | \$ 1,784.95 |
| Hanger set up with Unistrut Channel and all Brackets and Clamps | DOCK 1 - FINGER 1 | 21 | \$ 811.36 | \$ 17,038.56 |
| CREDIT FOR HANGERS ON 3" UNISTRUT | DOCK 1 - FINGER 1 | 17 | \$ (20.00) | \$ (340.00) |
| Hanger set up with Unistrut Channel and all Brackets and Clamps | DOCK 1 - FINGER 2 | 22 | \$ 811.36 | \$ 17,849.92 |
| 3" Unistrut Clamp Change to Stainless Steel | DOCK 1 - FINGER 2 | 18 | \$ 80.06 | \$ 1,441.08 |
| Hanger set up with Unistrut Channel and all Brackets and Clamps | DOCK 1 - FINGER 3 | 19 | \$ 811.36 | \$ 15,415.84 |
| 3" Unistrut Clamp Change to Stainless Steel | DOCK 1 - FINGER 3 | 28 | \$ 80.06 | \$ 2,241.68 |
| Hanger set up with Unistrut Channel and all Brackets and Clamps | DOCK 1 - FINGER 4 | 15 | \$ 811.36 | \$ 12,170.40 |
| 3" Unistrut Clamp Change to Stainless Steel | DOCK 1 - FINGER 3 | 35 | \$ 80.06 | \$ 2,802.10 |
| TOTAL COST OF WORK | | | | \$ 113,895.29 |
| 1% BONDING | | | | |
| TOTAL THIS REPORT | | | | \$ 1,138.95 |
| | | | | \$ 115,034.24 |

X
Bill Zein PM, Anderson Penna

41 Estimated
Days Added



Pastusak Plumbing Company

1644 W 17th St.
Long Beach, CA 90813
Phone: (562) 437-3346
Email: pastusak@verizon.net

October 3, 2017
To: City of Long Beach

Subject: Address all items in letter received from City of Long Beach, Public Work's Department, Brian Polivka

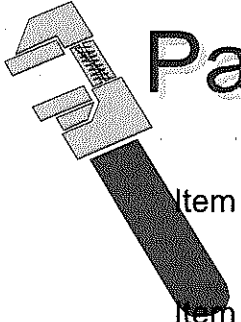
ITEM #1

DVD/USB Delivered to Brian Polivka on 9.29.17

ITEM #2

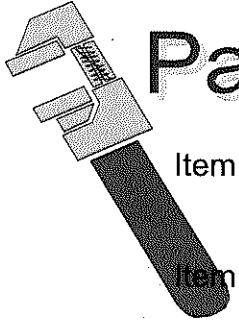
Schedule of Values are now broken into material and labor for each item.
Items listed on Division C- Bid form with cost for each item.

| | |
|-----------|---|
| Items 1-5 | Completed 100% |
| Item 6 | Completed 100% |
| Item 7 | Electrical on Each Dock: \$2,000 material \$4,000 labor |
| Item 8 | Sewer EVAC Pumps on Each Dock: \$15,500 material \$10,000 labor |
| Item 9 | 3in Suction Pipe on Each Dock: \$500 material \$3,000 labor |
| Item 10 | Removed and Dispose of Existing Pedestals on Each Dock: \$600 labor only 2 on all floats, except Pine Ave Pier, which has 1 |
| Item 11 | Each Pedestal Installed: \$2,000 material \$2,500 labor 2 on each dock, except Pine Ave Pier, which has 1 |
| Item 12 | Each Ball Valve (2 per dock): \$1,000 material \$1,300 labor |
| Item 13 | Each Check Valve: \$1,400 material \$1,000 labor |
| Item 14: | Remove Piping on Each Gangway: \$2,000 labor only |



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- Item 15: 3in Gangway Piping on Each Gangway:
 - \$2,000 material
 - \$4,100 labor
- Item 16: Hoses on Each Gangway:
 - \$1,200 material
 - \$800 labor
- Item 17: Removal & Storage of Wood at Each Dock:
 - \$5,000 labor only
- Item 18: Post Construction Inspection
 - \$3,000 labor only
- Item 19: Abandon Existing EVAC Vault L/S
 - \$32,000 COMPLETE
- Item 20: Comply with Cal Coastal
 - \$13,000
 - Billed with % completion of job
- Item 21: Items for Lay Down & Pedestrian Controls
 - \$16,000
 - Billed with % completion of job
- Item 22: MISC Construction Items (Bond- PAID to Bonding company already)
 - \$25,000
- Item 23: Allowance
 - \$20,000
 - City's discretion
- Item A: Inspection: 50% complete
Testing: 50% complete (not able to complete yet)
 - \$3,000
- Item B: Electrical
 - \$2,000 material
 - \$3,000 labor
- Item C: Pump
 - \$15,500 material
 - \$10,000 labor
- Item D: Suction Piping
 - \$500 material
 - \$3,000 labor
- Item E: Each Pedestal Demo
 - \$600 material
 - \$600 labor
- Item F: Each Pedestal Installed
 - \$2,000 material
 - \$2,500 labor
- Item G: Each 3in Ball Valve
 - \$1,000 material
 - \$1,300 labor



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| | |
|---------|--|
| Item H: | Each 3in Check Valve \$1,400 material \$1,000 labor |
| Item I: | Remove Gangway Piping \$2,500 labor only |
| Item J: | Piping under Gangway \$2,000 material \$4,100 labor |
| Item K: | Gangway Hoses: 2 total, price is per hose \$1,200 material \$800 labor |
| Item L: | Wood Removal & Replace \$5,000 labor only |
| Item M: | Post construction inspection \$3,000 labor only |
| Item N: | Remove & Replace 3in PVC at varios locations, Per 10' \$800 |
| Item O: | Remove & Replace 3in PVC at Dock 1 Decking, Per 10' \$800 |

ITEM #3

Assessment Report

Docks 2-6 Need minor repairs at hangers and can be put back in service rather quickly. All hangers should be repaired to bring systems back up to design levels.

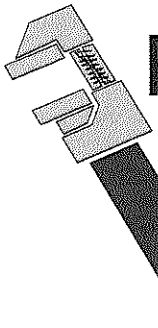
On Pine Ave. Pier, all piping runs through the float and is supported by wood cradle and no further repairs need to be done.

Dock 1: 70% of supports are failing or have already failed. This includes all supports to your water mains and electrical piping. We cannot even water test the sewer for fear that the added weight would cause catastrophic failure of not only the sewer line but of the water and electrical as well.

If you want to get all the Dock 1 pedestals to be operational, then you would have to replace all cross braces listed below. You could eliminate some cost by not rehangng existing electrical because we plan on installing new hangers within 6" of old and not removing old hangers. This would mean that if you do not rehang electrical, that they may span off old hangers and stay up. However, this would add extra weight to the electrical and water piping.

ITEM #4

These repairs are for hangers only. Hangars on electrical and low voltage and water can be performed but we will not repair any electrical or low voltage piping, conduit or boxes. We also will not be prewiring any potable water lines. All sewer piping to be repaired under alternate items N&O.



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Labor Cost:

Foreman

| | |
|------------------------------|---------|
| Wage with vacation/holiday: | \$56.49 |
| Benefits: | \$22.86 |
| SDI & Unemployment: (15.30%) | \$8.64 |
| Workers Comp: (9.25%) | \$5.23 |
| Liability: (10.11%) | \$5.71 |
| Total: | \$98.93 |

| | |
|-----------------------------|-----------------|
| Mark up: (+20%) | \$19.79 |
| Labor cost per hour: | \$118.72 |

Journeyman

| | |
|--|---------|
| Wage with vacation/holiday: | \$49.28 |
| Benefits (insurance/pension/training): | \$22.86 |
| SDI & Unemployment: (15.30%) | \$7.54 |
| Workers Comp: (9.25%) | \$4.56 |
| Liability: (10.11%) | \$4.98 |
| Total: | \$89.22 |

| | |
|-----------------------------|-----------------|
| Mark up: (+20%) | \$17.84 |
| Labor cost per hour: | \$107.06 |

1st Term Apprentice

| | |
|------------------------------|---------|
| Wage with vacation/holiday: | \$22.47 |
| Benefits: | \$2.64 |
| SDI & Unemployment: (15.30%) | \$3.44 |
| Workers Comp: (9.25%) | \$3.28 |
| Liability: (10.11%) | \$2.27 |
| Total: | \$34.10 |

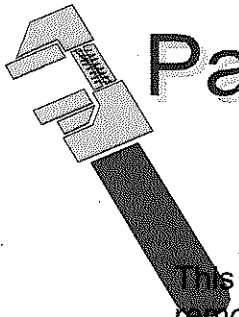
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|-----------------------------|----------------|
| Mark up: (20%) | \$6.82 |
| Labor cost per hour: | \$40.92 |

| | |
|--|---------|
| 1 hour for 3/4 ton work truck (Cal Trans Standard) | \$20.29 |
|--|---------|

1 hour labor crew:

| | |
|----------------------|----------|
| Foreman: | \$118.72 |
| Journeyman: | \$107.06 |
| 1st Term Apprentice: | \$40.92 |
| Truck: | \$20.29 |

| | |
|---------------|-----------------|
| TOTAL: | \$286.99 |
|---------------|-----------------|



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This price is to replace each support and unistrut clamps at that support by removal of 1 or 2 planks. Placing plywood down for pedestrians, installing support and clamps (all 316 SS) and replacing planks back.

Prices excludes any replacement of rub rail which may be damaged in some locations in removing planks.

Replace 1 hanger set up with unistrut channel and all brackets and clamps-rehang existing utilities on bracket

| | |
|--------------------------------------|-----------------|
| Labor: 2 hrs of crew @ \$286.99 | \$573.98 |
| Parts: \$206.42 + 15% | \$237.38 |
| Cost for each hanger support: | \$811.36 |

Material Cost Break Down:

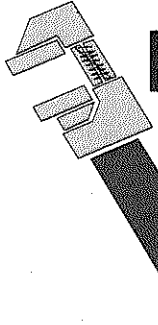
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|--------------------------------------|-----------------|
| 2'- unistrut S/S @ \$18.99 | \$47.48 |
| 2- L-brackets @ \$7.99 | \$15.98 |
| 2- 3/8 x 2 1/2 SS lags @ \$0.74 | \$1.48 |
| 2- 3/8 x 1 1/2 bolts S/S @ \$0.27 | \$0.54 |
| 2- 3/8 spring nuts S/S @ \$4.25 | \$8.50 |
| 10- screws on planks @ \$0.29 | \$2.90 |
| 1- 4" clamp on water @ \$27.58 | \$27.58 |
| 2- 1" clamps on electrical @ \$11.28 | \$33.84 |
| 3- 2" clamps on electrical @ \$16.02 | \$48.06 |
| 1- 3" clamp @ \$20.06 | \$20.06 |
| Total: | \$206.42 |

Replace (1) 2" band hanger

| | |
|-----------------------------------|-----------------|
| Labor: 1 hour of crew @\$286.99 | \$286.99 |
| Parts: \$60 | \$60.00 |
| Cost for each band hanger: | \$346.99 |

Replace (1) 4" band hanger

| | |
|-----------------------------------|-----------------|
| Labor: 1 hour of crew @\$286.99 | \$286.99 |
| Parts: \$80 | \$80.00 |
| Cost for each band hanger: | \$366.99 |



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Recommendations for Docks 2-6 including Pine Ave Pier:

Total Cost for Docks 2-6: \$12,579.72

DOCK 2: \$4,439.98 + bond (\$44.40) = \$4,484.38

| | |
|---|------------|
| 6- 3" unistrut clamps change to S/S @ \$80.06 | \$480.36 |
| 1- 4" unistrut clamp change to S/S @ \$87.58 | \$87.58 |
| 3- 3" loop hangers change to S/S (1 hr crew & \$70 parts) x 3 | \$1,070.97 |
| 3- hanger set up with unistrut channel and all brackets and clamps (see price above- \$811.36) | \$2,434.08 |
| 1- 4" loop hanger replaced to S/S (1 hr crew + \$80 parts) | \$366.99 |

DOCK 3: \$2,238.56 + bond (\$22.39) = \$2,260.95

| | |
|---|------------|
| 10- 3" unistrut clamps changed to S/S @ \$80.06 | \$800.60 |
| 4- 2" loop hangers changed to S/S @ \$346.99 | \$1,467.96 |
| 1- 2 hole clamp missing on sewer @ \$50 | \$50.00 |

DOCK 4: \$2,638.86 + bond (\$26.39) = \$2,665.25

| | |
|--|------------|
| 15- 3" unistrut clamps change to S/S @ \$80.06 | \$1,200.90 |
| 4- 2" loop hangers change to S/S @ \$346.99 | \$1,387.96 |
| 1- 2" 2 hole clamp change to S/S @ \$50 | \$50 |

DOCK 5: \$2,382.95 + bond (\$23.83) = \$2,406.78

| | |
|--|------------|
| 7- 3" unistrut clamps change to S/S 7x \$80.06 | \$560.42 |
| 1- 4" unistrut clamps change to S/S @ \$87.58 | \$87.58 |
| 5- 2" loop hangers change to S/S @ \$346.99 | \$1,734.95 |

Pine Ave Pier: No corrections noted

DOCK 6: \$754.81 + bond (\$7.55) = \$762.36

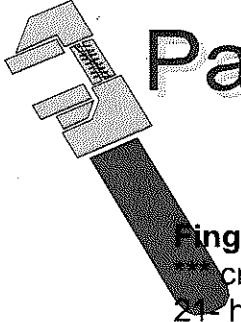
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| 4- 3" unistrut clamps change to S/S @ 80.06 | \$320.24 |
| 1- 2" loop hanger change to S/S @ \$346.99 | \$346.99 |
| 1- 4" unistrut clamp change to S/S @ \$87.58 | \$87.58 |

Recommendation for Dock 1

Total Cost for Dock 1: \$116,089.88

Main Run: \$32,725.75 + bond (\$327.26) = \$33,053.01

| | |
|--|-------------|
| Replace 30 unistrut brackets with assorted unistrut clamps @ \$811.36 | \$24,340.80 |
| 3- 2 hole clamp @ \$50 | \$150 |
| 80- unistrut clamps @ \$80 | \$6,400 |
| 5- loop hanger rusted out @ \$366.99 | \$1,834.95 |



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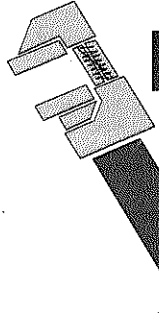
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|---|--------------------------------|
| Finger 1: \$16,698.56 + bond (\$166.99) = \$16,865.55 | |
| *** credit \$20 x 17 for hangers on 3" unistrut | -\$340 |
| 24- hanger set up with unistrut channel and all brackets and clamps @ \$811.36 | \$17,038.56 |
| Finger 2: \$19,289.92 + bond (\$192.90) = \$19,482.82 | |
| 22- hanger set up with unistrut channel and all brackets and clamps @ \$811.36 | \$17,849.92 |
| 18- unistrut clamps @ \$80 | \$1,440 |
| Finger 3: \$17,655.84 + bond (\$176.56) = \$17,832.40 | |
| 19- hanger set up with unistrut channel and all brackets and clamps @ \$811.36 | \$15,415.84 |
| 28- unistrut clamps @ \$80 | \$2,240 |
| Finger 4: \$14,970.40 + bond (\$149.70) = \$15,120.10 | |
| 15- hanger set up with unistrut channel and all brackets and clamps @ \$811.36 | \$12,170.40 |
| 35- unistrut clamps @ \$80 | \$2,800 |
| TOTAL for Docks 1-6 & Pine Ave: | \$128,669.60 |
| | \$115,034.24 |

Additional Days:

Dock 2: 2
 Dock 3: 1
 Dock 4: 1
 Dock 5: 1
 Dock 6: 1
 Total: 6 days

Dock 1:
 Main Run: 9
 Finger 1: 8
 Finger 2: 7
 Finger 3: 6
 Finger 4: 5
 Total: 35 days

2 Additional days to remove wye from pedestrian walkway



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ITEM #5

You will need to contact KEKO Pumps in the future because they have no working system as of yet. They are working on one which may or may not become available before this job is complete.

ITEM #6

Remove WYE in pedestrian walk

| | |
|-------------------------------------|--------------------|
| SUB: John S. Meek | \$17,255.76 |
| Mark up: 1st \$5,000 | \$500 |
| Rest of Mark up: \$12,255.76 | \$612 |

Pastusak Labor:

| | |
|-------------------------------|-------------------|
| 32 hours Foreman @ \$118.72 | \$3,799.04 |
| 8 hours Journeyman @ \$107.72 | \$856.48 |
| 8 hours Apprentice @ \$40.92 | \$327.36 |
| Total: | \$4,982.88 |

Material from Pastusak:

| | |
|-------------------------|-----------------|
| 4 flanges @ \$58 | \$232.00 |
| 2- s/s bolt sets @ \$29 | \$58.00 |
| 2- 4" gaskets @ \$3 | \$6.00 |
| 2- ss washer sets @ \$8 | \$16.00 |
| 3'- 4" PVC pipe @ \$3 | \$9.00 |
| Total: | \$321.00 |

1% Bond: **\$236.72**

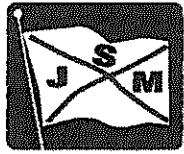
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|--------------------------|-------------------------------|
| TOTAL for Item 6: | \$23,909.15 |
| | \$23,957.69 |

ITEM #7

Schedule is for Items 1-23 ONLY. Any other schedule will have to be made after you decided on which, if any, extra items or alternate items you want done.

See attached Spreadsheet PCO #1B for removal of WYE work.

See attached Spreadsheet PCO #1A for Sewer Line Repair work.
- There are a few mathematical errors and some inconsistent dollar amounts. I accounted for all decimals and dollar amounts.



**JOHN S.
MEEK**
COMPANY, INC.

GENERAL CONSTRUCTION AND CONSTRUCTION MANAGEMENT

14732 SO. MAPLE AVENUE
GARDENA, CA 90248
TEL: (310) 830-6323
FAX: (310) 835-2163
EMAIL: general@johnsmEEK.com

October 04, 2017

Pastusak Plumbing Company
1644 W 17th St.
Long Beach, CA 90813

Attention: Paul Pastusak
Phone: (562) 437-3346
Email: pastusak@verizon.net

Gentlemen,

We are pleased to submit the following quotation to excavate by hand a 3' wide by 4' long x up to 4' deep for the Rainbow Harbor Sewage Repair Project. This includes the following:

1. Gathering tools, materials, temp fencing including graphics move-in, set up and remove.
2. Remove and reinstall existing pavers. In the process, a few additional pavers may be required in the event some break and/or damaged JSM will not guarantee new pavers will match existing pavers.
3. Hand dig existing sand/soil to limits described, properly stock pile and store adjacent to the excavated area inside the fenced area.
4. Backfill and compact utilizing existing sand/soil
5. Import and fine grade a layer of sand up to 4" to facilitate paver reinstallation.
6. Place sand on top of pavers spread with broom to fill joints and compact with plate whacker.

Labor:

| | |
|--------------------------------------|-------------------|
| 1 Foreman x 40hr=40hr x \$92.41hr | \$3,696.40 |
| 2 Journeyman x 32hr=64hr x \$87.66hr | 5,610.24 |
| 1 Apprentice x 40hr=40hr x 68.07hr | <u>\$2,722.80</u> |
| Subtotal | \$12,029.44 |
| Markup (20% on Labor) | <u>\$2,405.89</u> |
| Total Labor | \$14,435.33 |

Material:

| | |
|---------------------------|-----------------|
| Pavers | \$100.00 |
| Visqueen | \$125.00 |
| Temp Fencing | \$120.00 |
| Lumber for stock pile box | \$150.00 |
| Fencing Graphics | \$800.00 |
| Sand for pavers | <u>\$175.00</u> |
| Subtotal | \$1,470.00 |
| Markup (15% on Material) | <u>\$220.50</u> |
| Total Material | \$1,690.50 |

General Construction:
License #709151

Pile Driving • Foundations • Marine • Shoring • HazMat



Equipment:
Work truck x 40hr x \$17.39hr \$695.60
Whackers x 3day x \$95.65 \$286.95
Subtotal \$982.55
Markup (15% on Equipment) \$147.38
Total Equipment \$1,129.93

Total Amount this item



\$17,255.76

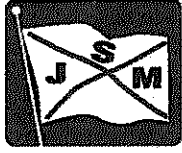
We exclude all work not expressly included above. Survey, cost of permits, inspections, transporting of excavated soils out of the work area, concrete demolition and removal.

If you have any questions, please call.

Sincerely,



Chad Goodwin
Project Manager



**JOHN S.
MEEK**

COMPANY, INC.

GENERAL CONSTRUCTION AND CONSTRUCTION MANAGEMENT

14732 SO. MAPLE AVENUE
GARDENA, CA 90248
TEL: (310) 830-6323
FAX: (310) 835-2163
EMAIL: general@johnsmEEK.com

November 16, 2017

Pastusak Plumbing Company
1644 W 17th St.
Long Beach, CA 90813

Attention: Paul Pastusak
Phone: (562) 437-3346
Email: pastusak@verizon.net

Gentlemen,

We are pleased to submit the following quotation for additional excavation required due to unforeseen utility conflicts including City of Long Beach requirement to reopen area by end of shift Friday 11-10-17 for the Rainbow Harbor Sewage EVAC Repair Project. This includes the following:

1. Additional excavation to facilitate plumber access due to existing utilities conflict.
2. Remove and dispose of dirt spoils and place 2 sack slurry in order to accommodate City of Long Beach requirement to reopen work area for holiday weekend.

Labor:

Additional Excavation

| | |
|-------------------------------------|------------|
| 1 Foreman x 8hr=8hr x \$92.41hr | \$739.28 |
| 2 Journeyman x 8hr=16hr x \$87.66hr | \$1,402.56 |

Dirt Spoil Removal

| | |
|-----------------------------------|----------|
| 1 Foreman x 4hr=4hr x \$92.41hr | \$369.64 |
| 2 Journeyman 4hr=8hr x \$87.66hr | \$701.28 |
| 1 Operator x 4hr=4hr x \$103.69hr | \$414.76 |
| 1 Apprentice x 4hr=4hr x 68.07hr | \$272.28 |

Install Slurry

| | |
|--------------------------------|------------|
| 1 Foreman x 4hr= 4hr x \$92.41 | \$369.64 |
| 3 Journey x 4hr=12hr x \$87.66 | \$1,051.92 |
| 1 Apprentice 4hr=4hr x \$68.07 | \$272.36 |

Subtotal

\$5,593.72

Markup (20% on Labor)

\$1,118.74

Total Labor

\$6,712.46

Material:

| | |
|--------|------------|
| Slurry | \$1,000.00 |
|--------|------------|

Subtotal

\$1,000.00

Markup (15% on Material)

\$150.00

Total Material

\$1,150.00

General Construction:
License #709151

Pile Driving • Foundations • Marine • Shoring • HazMat



| | |
|---------------------------------|-----------------|
| Equipment: | |
| Work truck x 8hr x \$17.39hr | \$139.12 |
| Flatbed Truck x 4hr x \$52.00hr | \$208.00 |
| Boom Truck x 4hr x \$133.56hr | \$534.24 |
| Dirt bin | <u>\$550.00</u> |
| Subtotal | \$1,431.36 |
| Markup (15% on Equipment) | <u>\$214.70</u> |
| Total Equipment | \$1,646.06 |

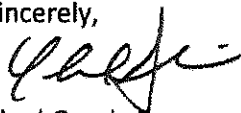
| | |
|-------------------------------|---------------------------|
| Total Amount | \$9,508.52 |
| Credit Amount | < \$881.52 > |
| Total Amount this item | \$8,627.00 |

Verified

We exclude all work not expressly included above. Survey, cost of permits, inspections, concrete demolition and removal.

If you have any questions, please call.

Sincerely,



Chad Goodwin
Project Manager

\$9,401.43 includes Prime Contractor's
Mark up