

Agro A & M

PO Box 648
Willcox, Arizona 85644
(928) 651-7645

INVOICE 10825

1-08-2025

BILL TO

INSTRUCTIONS

Bowie Fire Department
PO Box 241
Bowie, Arizona 85605

DESCRIPTION

UNIT PRICE

TOTAL

Fire Dept Home - 12/15/2024-12/31/2024

Dug 128 feet of trench

Installed new pipe, removed old water spigot

Replaced the old lines with schedule 40 PVC

New PVC waterline was installed with 3" of

Bedding sand & 3" of sand to cover backfield

Flushed hot water heater several times

Replaced O-rings in both valves

Unclogged kitchen sink drain, fixed hole in

Kitchen floor area from a prior leak

Parts, labor, use of backhoe, materials (sand,

Lumber for floor

Total:

\$3,482.00

SUBTOTAL

3,482.00

SALES TAX

EXEMPT

TOTAL

3,482.00

TOTAL DUE BY DATE

Upon receipt

Thank you for your business!

3482.00

- 2800.00

bal = 682.00

1-14-25

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AGRO A & M LLC

P.O. BOX 1

Bowie, ARIZONA 85605

(928) 651-7645

January 7, 2025

Dear Bowie Fire Department,

Below is the breakdown of work performed December 15 through December 31, 2024, for the total of \$3,482.00.

1. **Digging and Pipe Replacement:**

- Dug 128 feet of trench by hand for installing new piping, which is a labor-intensive task, especially when working with 1" galvanized pipe.
- Removing the old water spigot and the leaking 3/4" galvanized line was crucial for preventing further water damage and ensuring reliable plumbing.

2. **Connection Challenges:**

- The challenge of digging under a 5-foot concrete slab to connect to the existing galvanized line speaks to the complexity of the job. The fact that the existing line was cemented due to an addition made the task even more difficult.
- Penetrated the footer to make the necessary connections.

3. **Installation of PVC:**

- Replaced the old lines with schedule 40 PVC, as PVC is more resistant to corrosion and tends to have a longer lifespan than galvanized pipes.
- The addition of 3 inches of sand for cushioning to protect the pipes from shifting and potential damage.

4. **Water Heater Troubleshooting:**

- Flushed the hot water heater and identified clogs in the output line were essential steps in restoring hot water throughout the house.
- The discovery of a rusted pressure release valve and a stripped drain valve indicates that the water heater was in poor condition, necessitating repair or replacement.

5. **Kitchen Plumbing Issues:**

- Addressing the kitchen faucet's slow flow and eventual stoppage involved a detailed process of disassembly and cleaning, which can be meticulous work.
- Replacing O-rings in the valves and unclogging the sink drain were necessary to ensure the kitchen's plumbing operated effectively.

6. Future Considerations:

- The condition of the existing lines under the house are important to address as soon as possible. Future upgrades or repairs to mitigate any potential ruptures soon may be worth a plan.

7. Cost Breakdown:

- Parts, labor, equipment use (like the backhoe), and materials for the total of \$3482.

For further questions or concerns you may reach me on the above number.

Best Regards,

Marcos Juarez