L'Amourita Apartments
Proposed Gas Line Repairs (Option #4)
March 2nd 2008

The purpose of this project is to restore gas service to all units of the L'Amourita Apartments.

The existing trunk line originating at the gas main, distribution manifold, and feeder lines will be disconnected and no longer used. A new trunk line will be installed running north to south in the basement along side existing electric and plumbing trunk lines.

The new trunk line will be tied into:
- existing horizontal branch lines supplying basement level gas stoves
- existing vertical branch lines supplying the gas stoves on the 1st and 2nd story
- existing vertical branch lines supplying operable gas fireplaces (1 fireplace)

The new trunk line must support the following current appliances:
- 12 gas stoves (60,000 BTU ea)
- 1 gas fireplaces (40,000 BTU ea)

The new trunk line should be sized to support the following future appliances:
- 21 gas stoves (60,000 BTU ea)
- 21 gas fireplaces (40,000 BTU ea)

Shutoff valves will be installed at the location branch lines are tied into the trunk line.

Project Phases:

1. Pressure test existing branch lines that will be reused. (Evan Conklin)
    a. Identify and mark exact tie in locations.
        i. (see attached 'proposed repairs' diagram)
        ii. Horizontal supply lines (5 ea) for basement level gas stoves
        iii. Vertical supply lines (8 ea) for 1st and 2nd story gas stoves
        iv. Vertical supply lines (1 ea) for 1st and 2nd story fireplaces
    b. Identify and mark ideal path for new trunk line.
    c. Review tie in locations and path for trunk line.
    d. Disconnect old trunk / feeder lines; prep tie in locations for pressure test.
    e. Pressure test each unit / vertical stack and have PSE out to inspect.
    f. Label each tie in location with unit(s) and appliances served
        i. Each west side basement vertical tie in location should only supply the 2 gas stoves (one on the 1st floor and one on the 2nd floor)
        ii. Each west side basement horizontal tie in location should only supply the gas stove (one in each basement unit).
        iii. Each east side vertical basement tie in location should only supply the gas fireplace (all disconnected except 2905B which has a currently operable gas fireplace).

2. Drill holes for the new gas trunk line. (Frank & MAD Coring)
    a. Cut holes in 11 walls and identify areas for concrete coring. (Frank)
    b. Prep area for concrete coring (Frank)
    c. Concrete coring (MAD Concrete Coring)
    d. Repair walls damaged from concrete coring (Frank).

3. Install new trunk line (Evan Conklin)
    a. Install new gas trunk line starting at the gas main and running north south through the basement.
        i. All couplings installed and ready for pressure test
        ii. Install new horizontal supply line running east – west to tie into existing vertical line in basement of 2905A to supply new gas fireplace in 2905B
        iii. Have PSE out to inspect trunk lines; Connect trunk line to all tie in locations.