

December 14, 2010

MASSACHUSETTS SINGLE FAMILY RESIDENTIAL SPRINKLER COST ANALYSIS

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Case Study #1:

The Village at Seven Springs, Burlington, MA

Product Type: Attached townhouse style condominiums - 2-4 units / building
Building Code Classifications: Use Group R-3
Construction Classification: Type V
Unit Size: 1875-2500 SF, 2 bedroom, 2 car garage

Cost Analysis:

- Site work (water line, meter, backflow) \$2500.00
- Engineering / Consulting \$ 500.00
- Sprinkler System \$6200.00
 - Total Hard Costs: \$9200.00

- Builder overhead @ 9% \$ 828.00
- Builder profit @ 20% \$2005.60
- \$12,033.60**

System Design:

System built to NFPA 13 requirements, basement black iron pipe, all other piping Schedule 40 PVC, glycol mix for freeze protection, expansion tank to minimize potential pressure variations in standby mode, fire dept. bib located outside, so they can hook up to it and recharge the system, if needed.

Case Study #2:

The Woodlands at Belmont Hill, Belmont, MA

Product Type: Attached townhouse style condominium structures -
2-3 units / building
Building Code Classifications: Use Group R-3
Construction Classification: Type V
Unit Size: 2100-3400 SF, 2-3 bedrooms, 2 car garage

Cost Analysis:

• Site work (water line, meter, backflow)	\$2000.00
• Engineering / Consulting (drawings)	\$ 500.00
• MEP	\$1000.00
• Sprinkler System	<u>\$7960.00</u>
o Total Hard Costs:	\$11,460.00
• Builder overhead @ 9%	\$1031.40
• Builder profit @ 20%	<u>\$2498.28</u>
	\$14,989.60

System Design:

System built to NFPA 13 requirements, basement black iron pipe, all other piping Schedule 40 PVC, glycol mix for freeze protection, expansion tank to minimize potential pressure variations in standby mode, fire dept. bib located outside, so they can hook up to it and recharge the system, if needed.