

**SANGIOLO ASSOCIATES ARCHITECTS**

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Newton City Clerk  
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Doreen A. O'Brien, Clerk  
Newton, MA 02459

**Narrative for Natural Resource protection and Energy Conservation for the project at 145 Warren Street, Newton MA.**

**Energy Conservation**

- Specified to be built to Energy Star Systems rating.
- High performance exterior envelope.
- Reduced air infiltration caulking system to be specified.
- Energy Efficient mechanical systems.

**Carbon Emissions**

- Part of the project is a restoration of a historic house and uses the imbedded energy in the existing construction.
- Increase housing within a walkable distance to Village Center promotes walkable neighborhoods.
- Sustainable Wood Frame construction.
- Attempt to source materials locally as much as possible to reduce transportation.
- Space for bicycles storage in garages.
- A green roof is provided over the mid part of the building which will help reduce Urban Heat Sink effect.

**Other Items**

- All drainage to remain on site to recharge water table.
- Extensive planting with new trees replacing invasive species.
- Minimal site lighting with dark sky fixtures to be used.

Thank you,

Mark Sangiolo, RA