

# The Residences at South Brookline Traffic Peer Review

Brookline ZBA

March 26, 2014



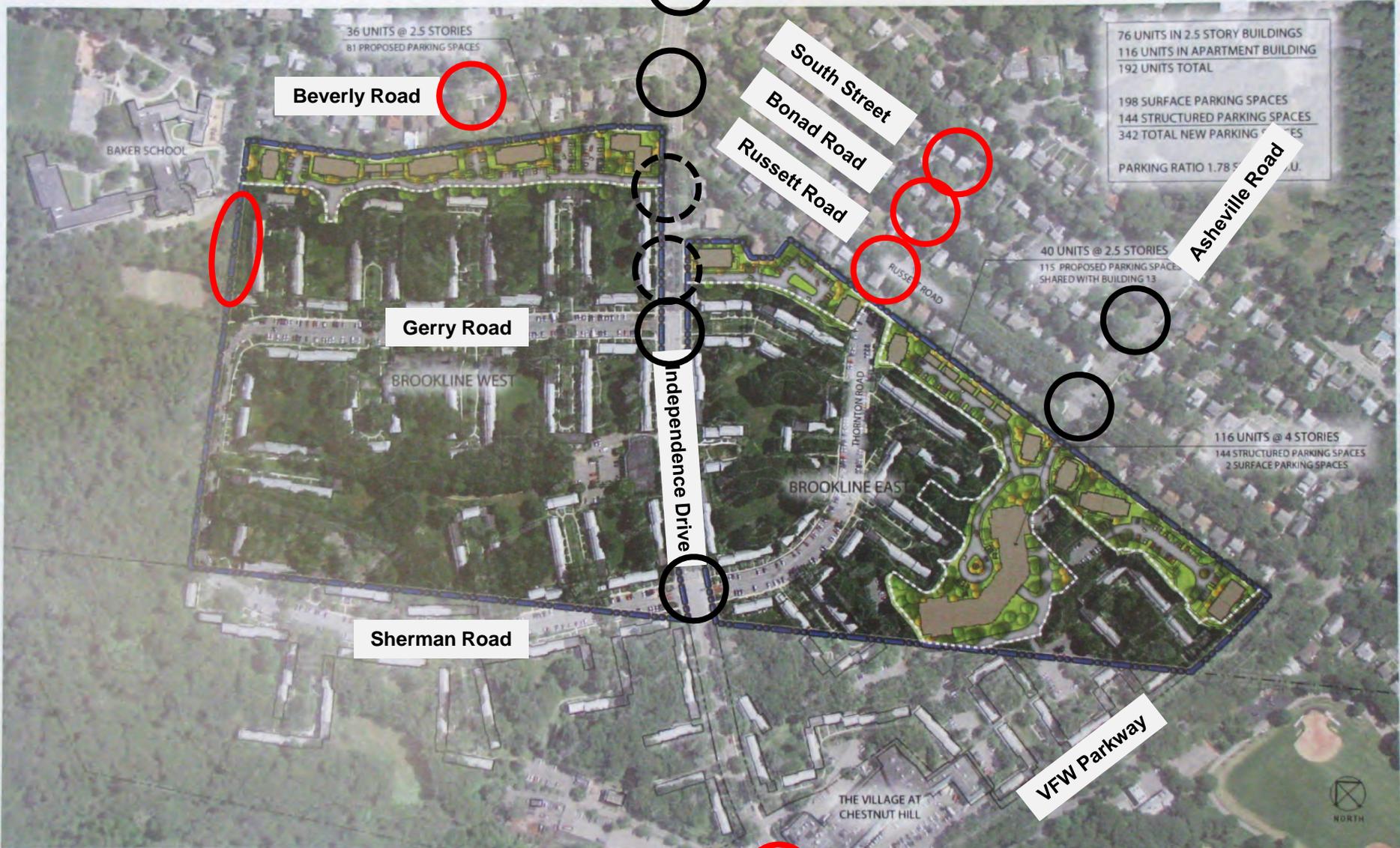
# Introduction

- ▶ What is a Peer Review?
  - Not an Independent Study
  - Independent Review by a Registered Professional Engineer
  - Conformance to Industry Standards and Guidelines
    - Institute of Transportation Engineers (ITE)
    - Federal Highway Administration (FHWA)
    - State (MassDOT)
    - Local City/Town (Brookline)

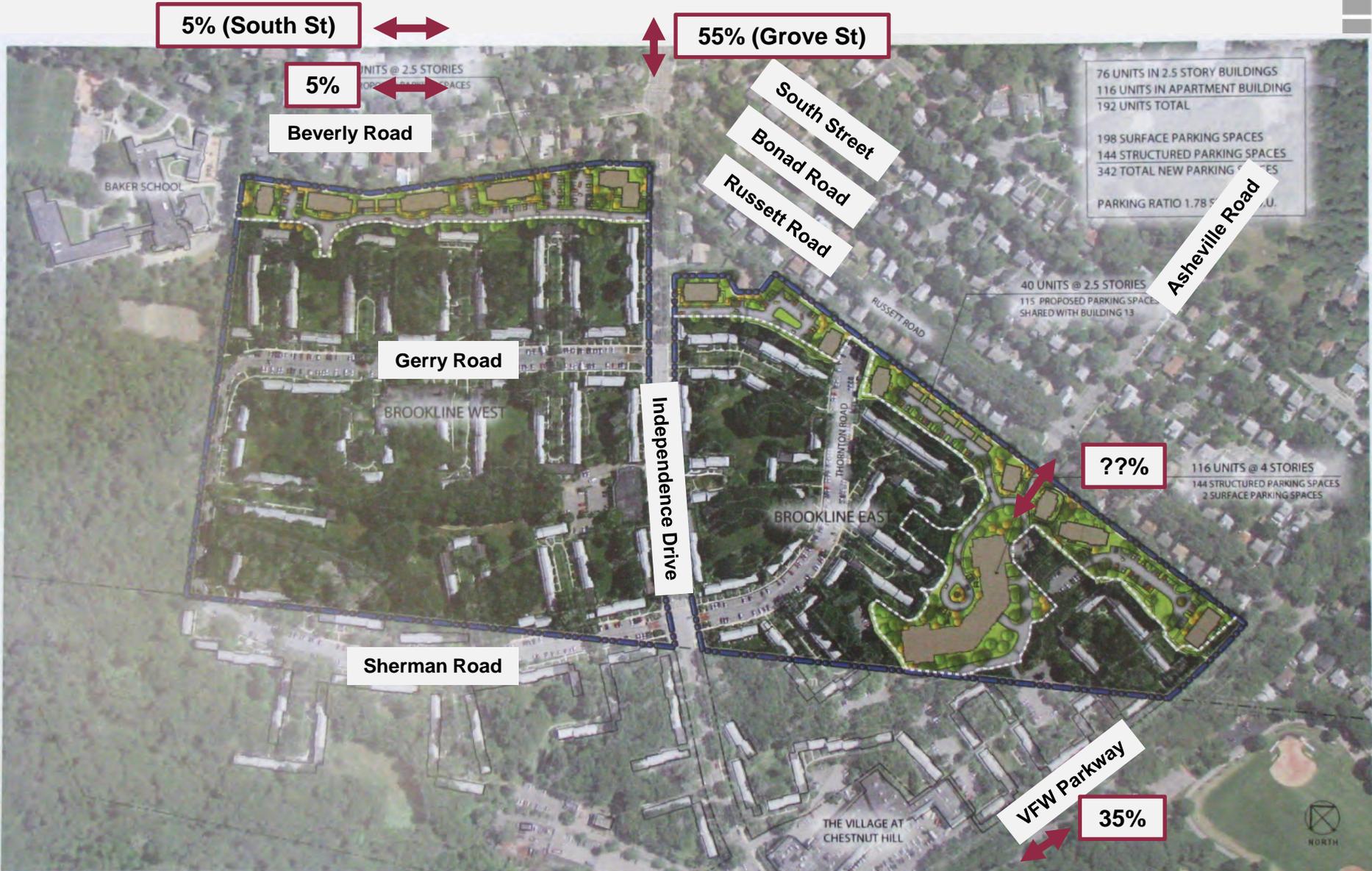
# Introduction

- ▶ What aspects of the project have we reviewed?
  - Study Area
  - Data Collection
  - Analysis Methodology
  - Analysis Results
  - Mitigation
  - Site Plan

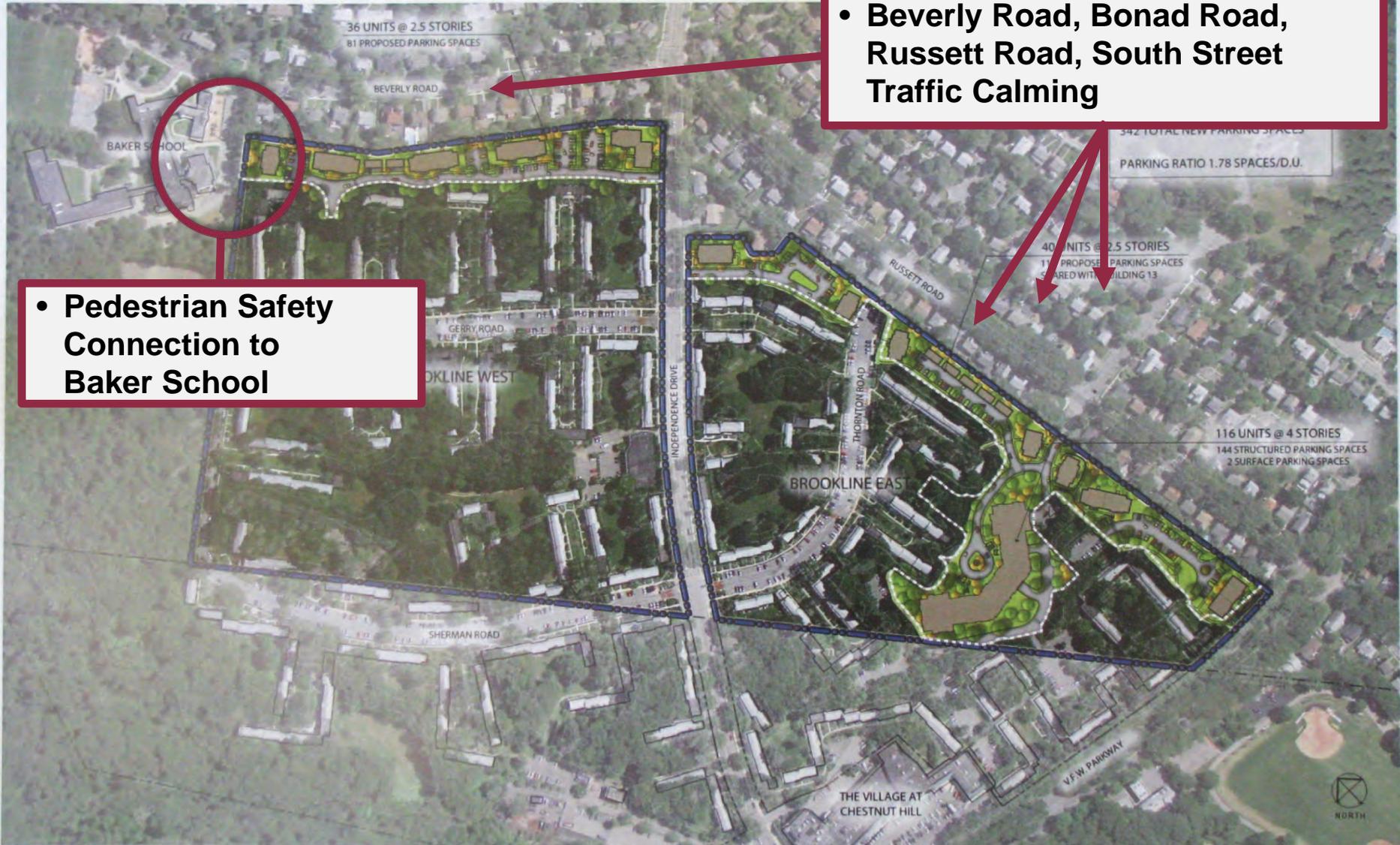
# Study Area



# Trip Distribution Concern



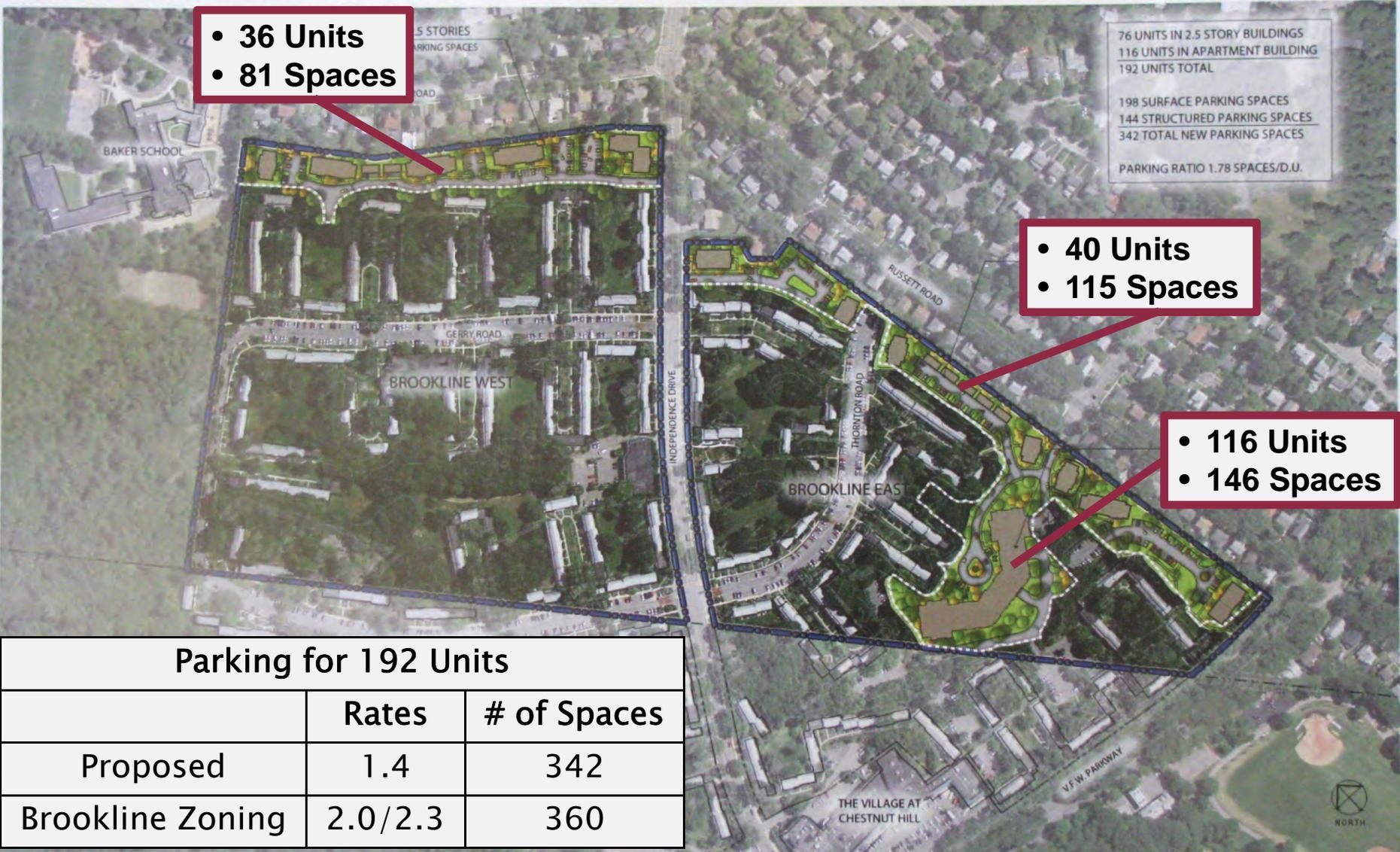
# Mitigation Concerns



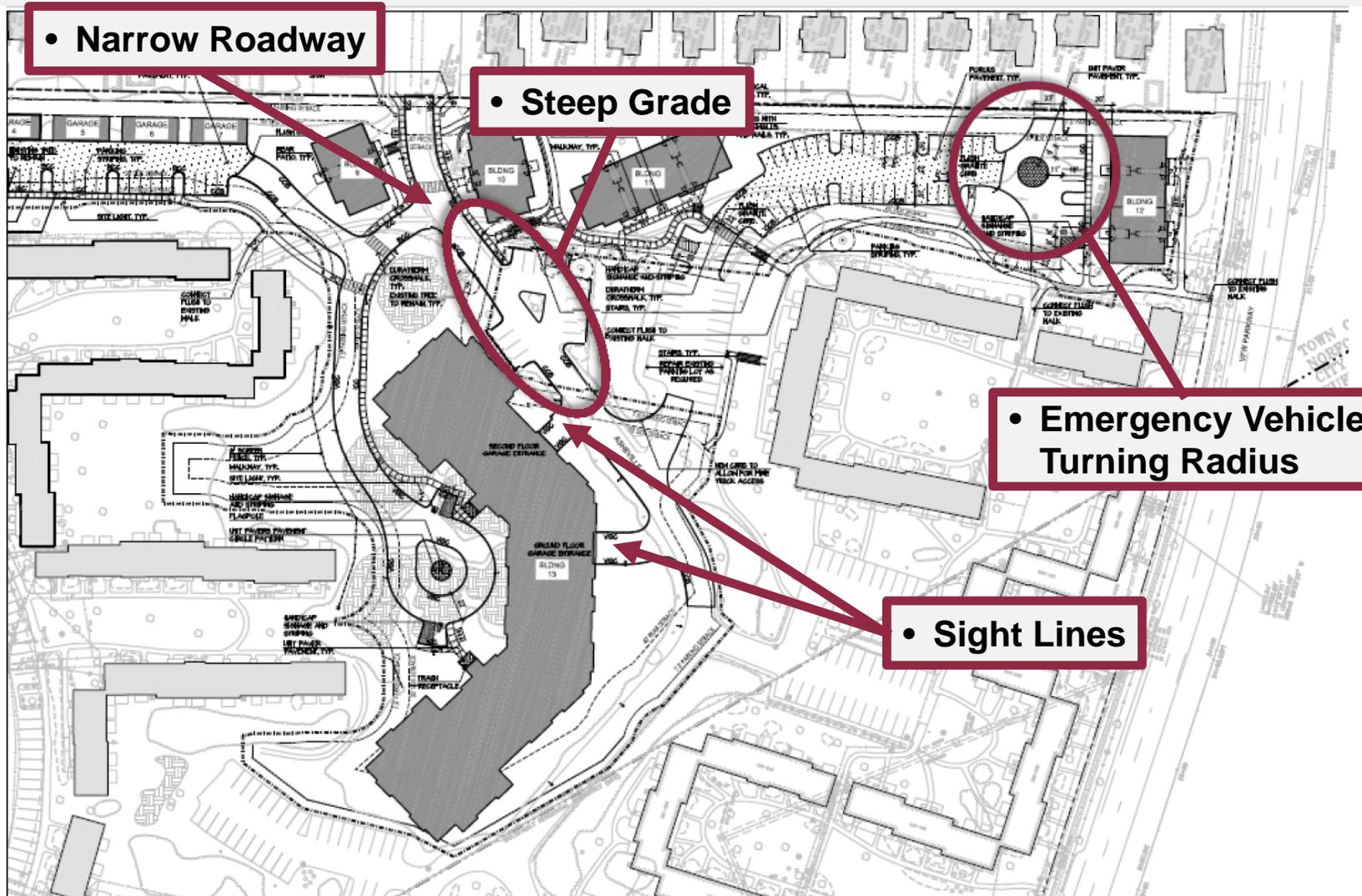
- Beverly Road, Bonad Road, Russett Road, South Street Traffic Calming

- Pedestrian Safety Connection to Baker School

# Parking Concern



# Site Plan Concerns – Ashville Road



• Narrow Roadway

• Steep Grade

• Emergency Vehicle Turning Radius

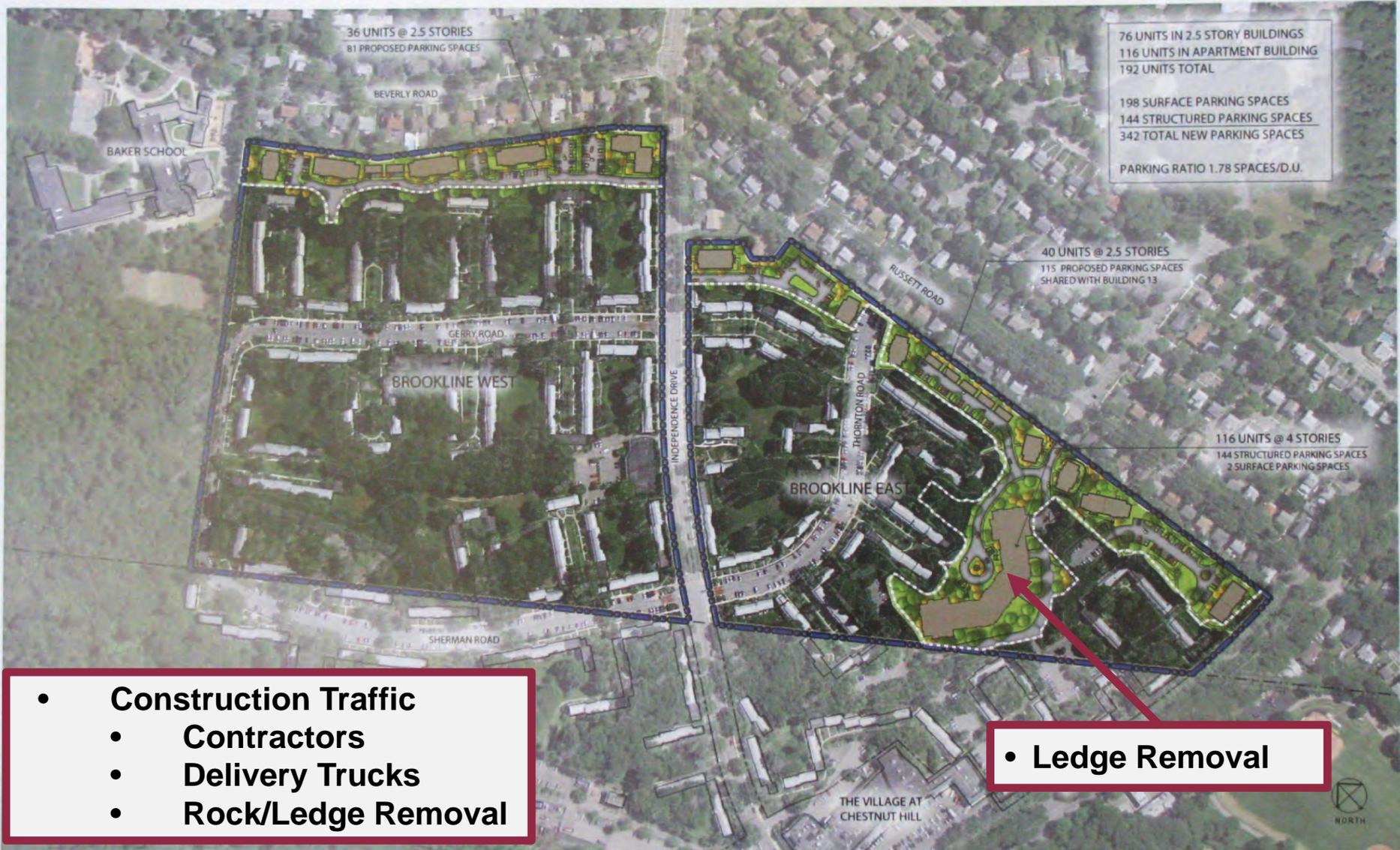
• Sight Lines

# Site Plan Concerns – Hammer Head near Building 2



- Hammer Head/Dead End near Building 2
  - Public safety concerns
  - Emergency vehicle response times

# Construction Traffic



# Summary

1. Obtain New Data
2. Data to include speed
3. Site Plan – Building #13 Asheville Road
  - Sight Distance Concern
4. Obtain Crash Data from Brookline PD
  - Trip Generation/Distribution Concerns
  - Update traffic analysis based on new data
  - Traffic Calming
5. Additional TDM Measures
6. All-Way Stop Warrant Analysis at Russett Road and Asheville Road
7. Traffic Calming consideration for Residential Roads
8. Independence Drive Safety Improvements
9. Signal Warrant Analysis for Independence Drive/Sherman Road
10. Pedestrian safety connection to Baker School
11. AutoTURN Analysis
  - General Truck
  - Emergency Vehicle
12. Parking

## Other Concerns

13. Construction Traffic
  - Contractors
  - Delivery Trucks
  - Rock/Ledge Removal

# Next Steps

- ▶ Work with applicant to resolve our concerns
- ▶ Update report

