

Ref: 7787

September 21, 2020

Mr. Anthony Padula, Chairman  
Franklin Planning Board  
Franklin Town Hall  
355 East Central Street  
Franklin, MA 02038

Re: Sight Distance and Traffic Calming Improvements  
Proposed Maple Hill Residential Subdivision  
Franklin, Massachusetts

Dear Chairman Padula and Members of the Planning Board:

Vanasse & Associates, Inc. (VAI) is providing supplemental information by way of follow-up to our August 6, 2020 response to the comments that were raised in the August 4, 2020 Traffic Peer Review letter prepared by BETA Group, Inc. (BETA) and the August 5, 2020 review letter prepared by the Town Engineer concerning the Maple Hill residential subdivision (hereafter referred to as the “Project”). Specifically, the Applicant has agreed to advance improvements to Maple Street to improve the sight lines approaching Kimberlee Avenue and advance specific traffic calming measures along Kimberlee Avenue, Bridal Path and within the subdivision. Attached to this letter are the following materials:

1. **Maple Street Sight Distance Improvements** – A three plan set has been prepared to illustrate the scope of the improvements that are required along Maple Street and Franklin Springs Road to reduce the profile of Maple Street to afford the required sight distance for a 40 mile per hour (mph) design speed along Maple Street. These improvements will be designed and constructed by the Applicant subject to receipt of all necessary rights, permits and approvals, including the Town obtaining or negotiating the necessary easements and rights-of-entry to allow for the construction of the improvements.
2. **Kimberlee Avenue/Bridal Path Traffic Calming** – The Applicant has committed to the implementation of traffic calming measures along both Kimberlee and Bridal Path that will include the installation of mountable mini roundabouts at the three (3) intersections along Bridal Path (Surrey Way, Phaeton Lane and Steeplechase Lane) and within the cul-de-sac at the current terminus of Kimberlee Avenue.
3. **Maple Hill Subdivision Traffic Calming** – The Applicant will design and construct traffic calming measures consisting of mountable (flush) islands to be situated within the center of the cross-section of the subdivision roadway at defined locations within the subdivision. These features will be designed to be consistent with the flush islands that will be installed on the approached to the mini roundabouts that are to be installed along Kimberlee Avenue and Bridal Path.

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The Applicant will undertake the sight distance improvements along Maple Street upon issuance of a building permit for initial construction activities and will complete the improvements prior to the issuance of the first Building Permit for Phase 2 of the Project. This traffic calming measures will be completed commensurate with the installation of the final or topcoat (wearing surface) of the roadway surface within the subdivision and along Bridal Path as the construction of these features will be integrated into the final pavement surface. The Applicant has proposed to phase the construction of the roadway network within the subdivision to include the installation of gates to limit travel within the subdivision and between Kimberlee Avenue and Bridal Path prior to Project completion and installation of the traffic calming measures.

If you should have any questions or would like to discuss the planned improvements in more detail, please feel free to contact me.

Sincerely,

VANASSE & ASSOCIATES, INC.



Jeffrey S. Dirk, P.E., PTOE, FITE  
Partner

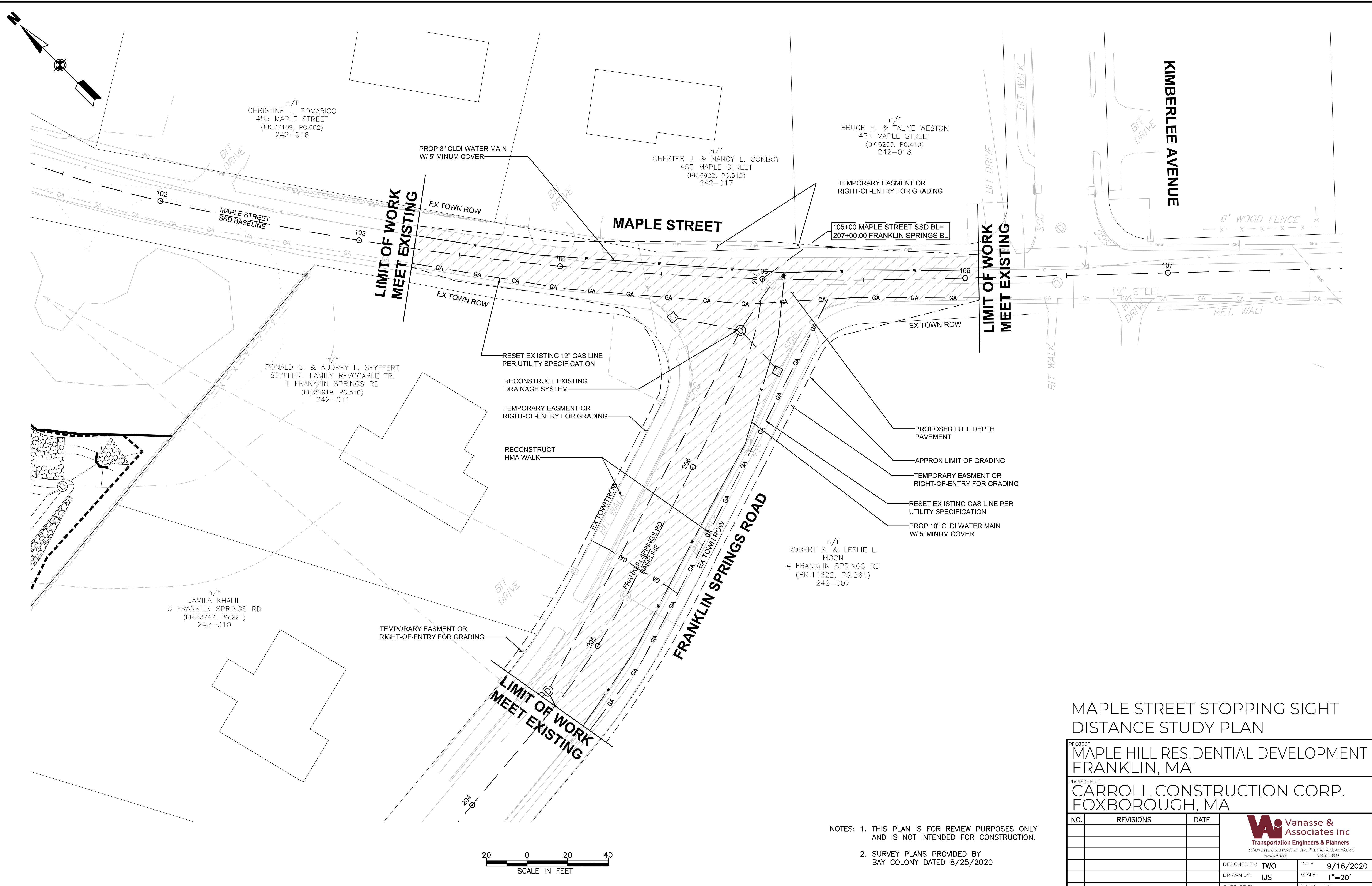
*Professional Engineer in CT, MA, ME, NH, RI and VA*

JSD/jsd

Attachments

cc: M. Maglio, P.E. – Town Engineer (via email)  
J. Centracchio, P.E., PTOE – BETA Group, Inc. (via email)  
M. Carroll – Carroll Construction Corporation (via email)  
W. Buckley, Jr., P.E. – Bay Colony Group, Inc. (via email)





MAPLE STREET STOPPING SIGHT DISTANCE STUDY PLAN

PROJECT:  
 MAPLE HILL RESIDENTIAL DEVELOPMENT  
 FRANKLIN, MA

PROPOSER:  
 CARROLL CONSTRUCTION CORP.  
 FOXBOROUGH, MA

NO.	REVISIONS	DATE

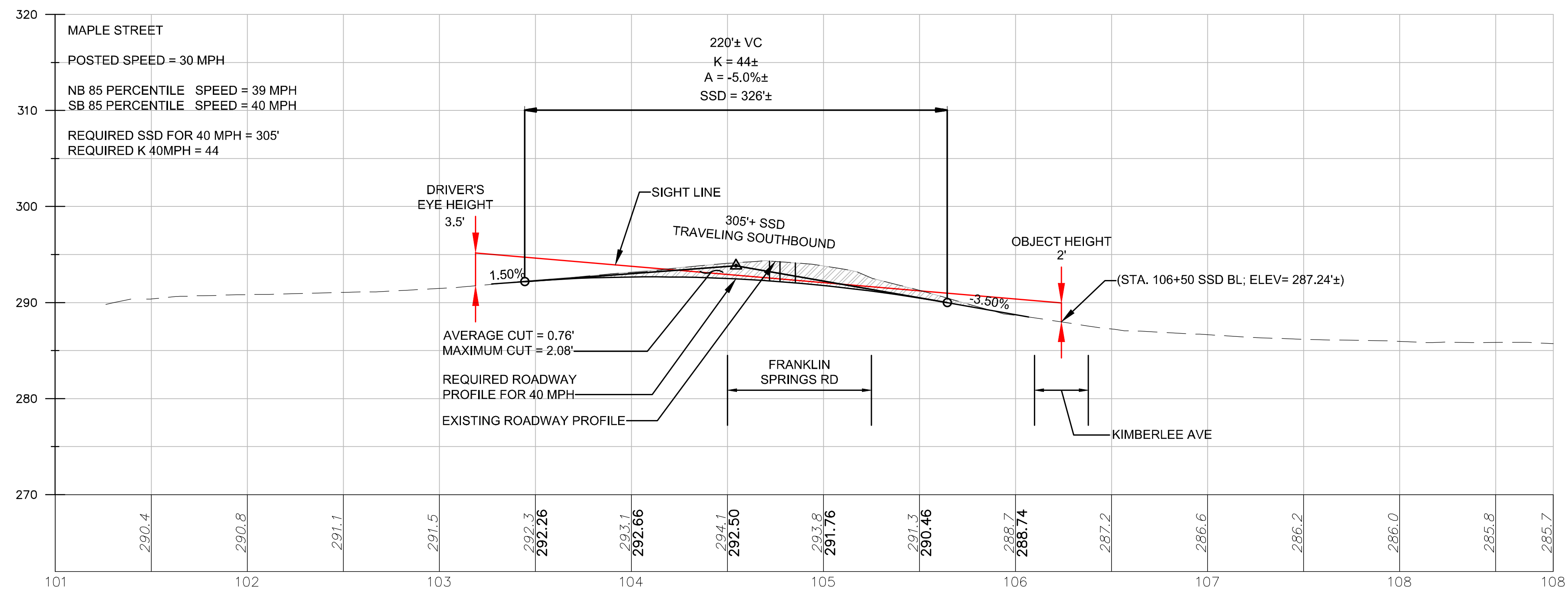


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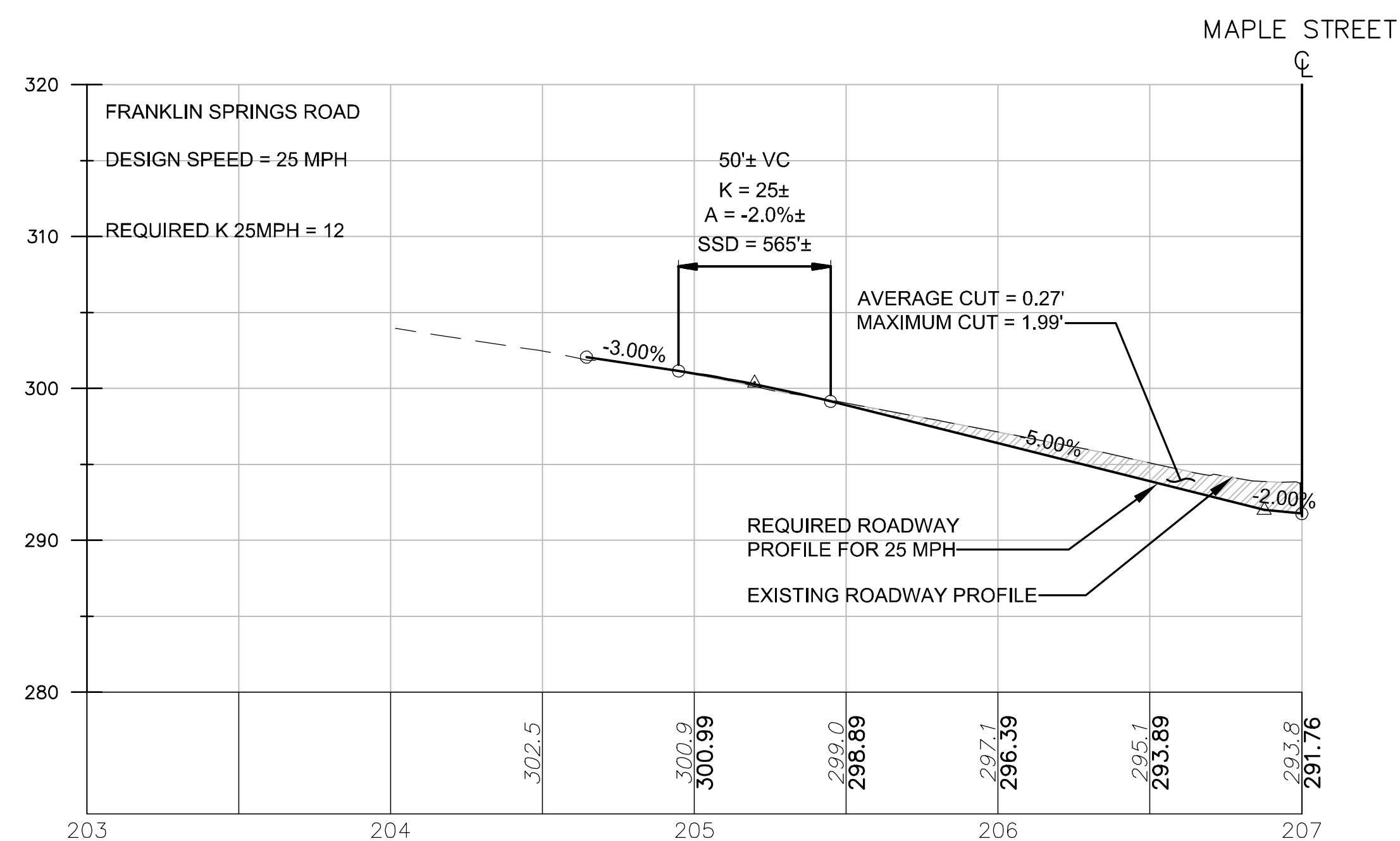
- NOTES: 1. THIS PLAN IS FOR REVIEW PURPOSES ONLY AND IS NOT INTENDED FOR CONSTRUCTION.
2. SURVEY PLANS PROVIDED BY BAY COLONY DATED 8/25/2020







**MAPLE STREET STOPPING SIGHT DISTANCE PROFILE**



**FRANKLIN SPRINGS ROAD PROFILE**

**MAPLE STREET STOPPING SIGHT DISTANCE STUDY PROFILES**


NOTES: 1. THIS PLAN IS FOR REVIEW PURPOSES ONLY AND IS NOT INTENDED FOR CONSTRUCTION.

2. SURVEY PLANS PROVIDED BY BAY COLONY DATED 8/25/2020

PROJECT: MAPLE HILL RESIDENTIAL DEVELOPMENT  
FRANKLIN, MA

PROPOSER: CARROLL CONSTRUCTION CORP.  
FOXBOROUGH, MA

NO.	REVISIONS	DATE



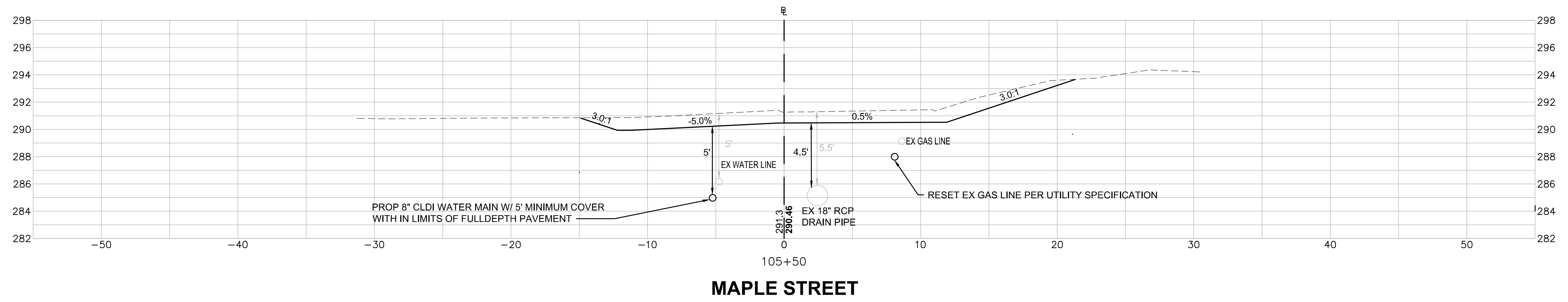
**Vanasse & Associates inc**  
Transportation Engineers & Planners  
25 New England Business Center Drive - Suite 140 - Andover, MA 01860  
www.vai.com 978-471-6800

DESIGNED BY: TWO DATE: 9/16/2020

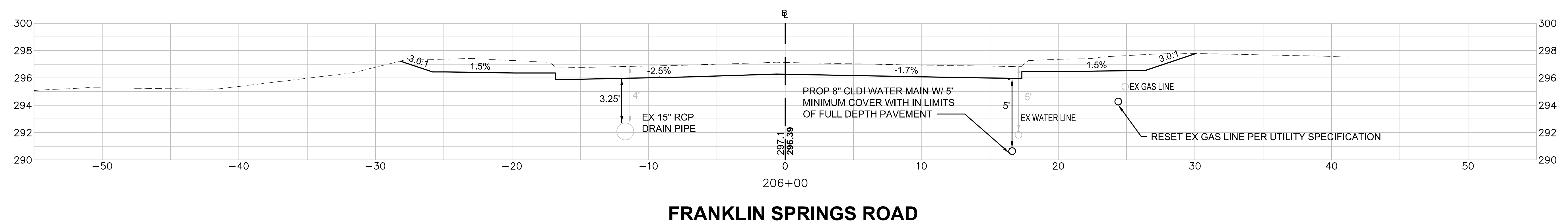
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MAPLE STREET



FRANKLIN SPRINGS ROAD


- NOTES: 1. THIS PLAN IS FOR REVIEW PURPOSES ONLY AND IS NOT INTENDED FOR CONSTRUCTION.
2. EXISTING DRAINAGE ELEVATIONS FROM SURVEY PROVIDED BY BAY COLONY DATED 8/25/2020
3. EXISTING WATER LINE DEPTH ASSUMED TO BE 5'

MAPLE STREET STOPPING SIGHT DISTANCE STUDY CRITICAL SECTIONS

PROJECT:  
 MAPLE HILL RESIDENTIAL DEVELOPMENT  
 FRANKLIN, MA

PROPOSER:  
 CARROLL CONSTRUCTION CORP.  
 FOXBOROUGH, MA

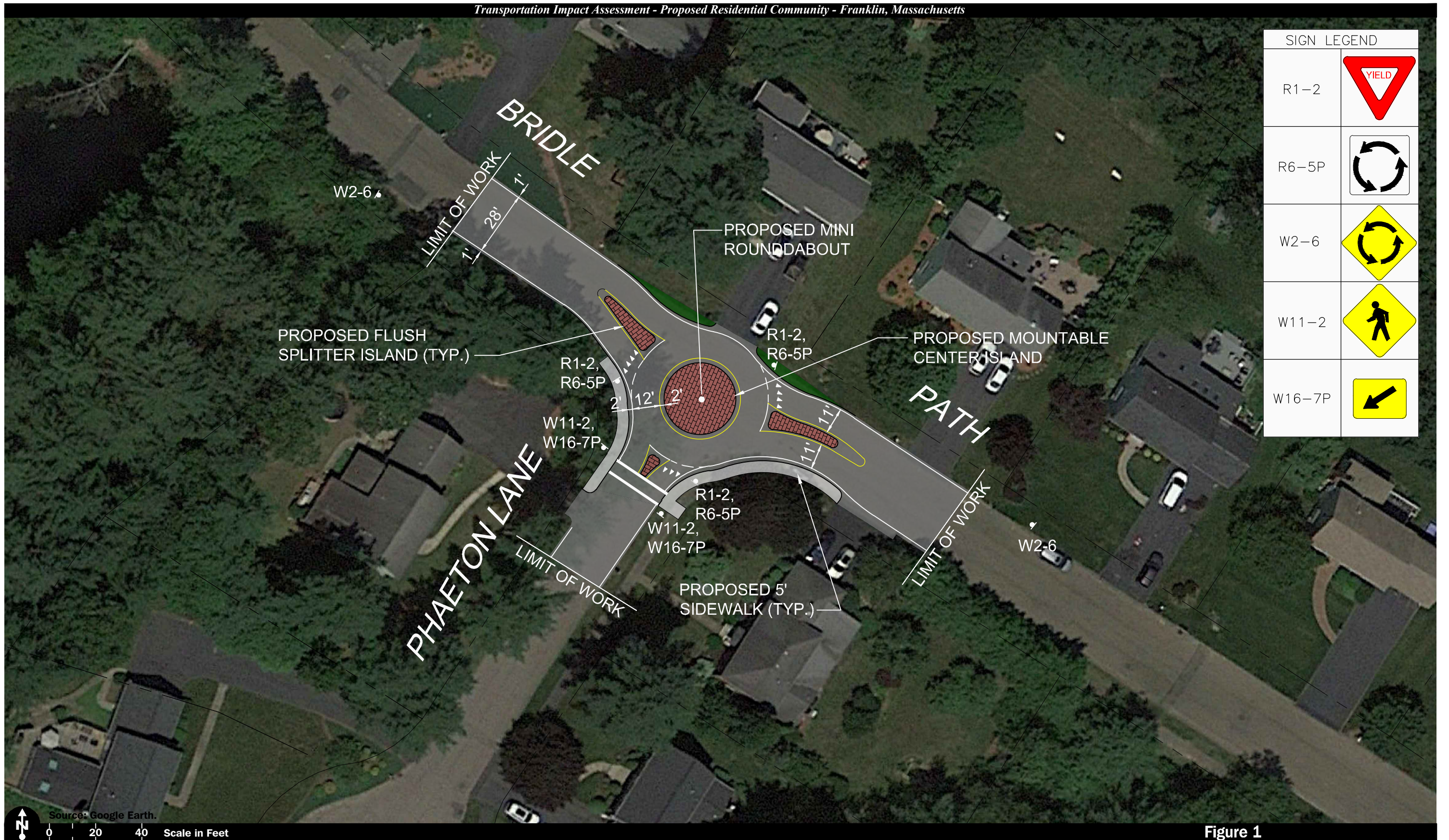
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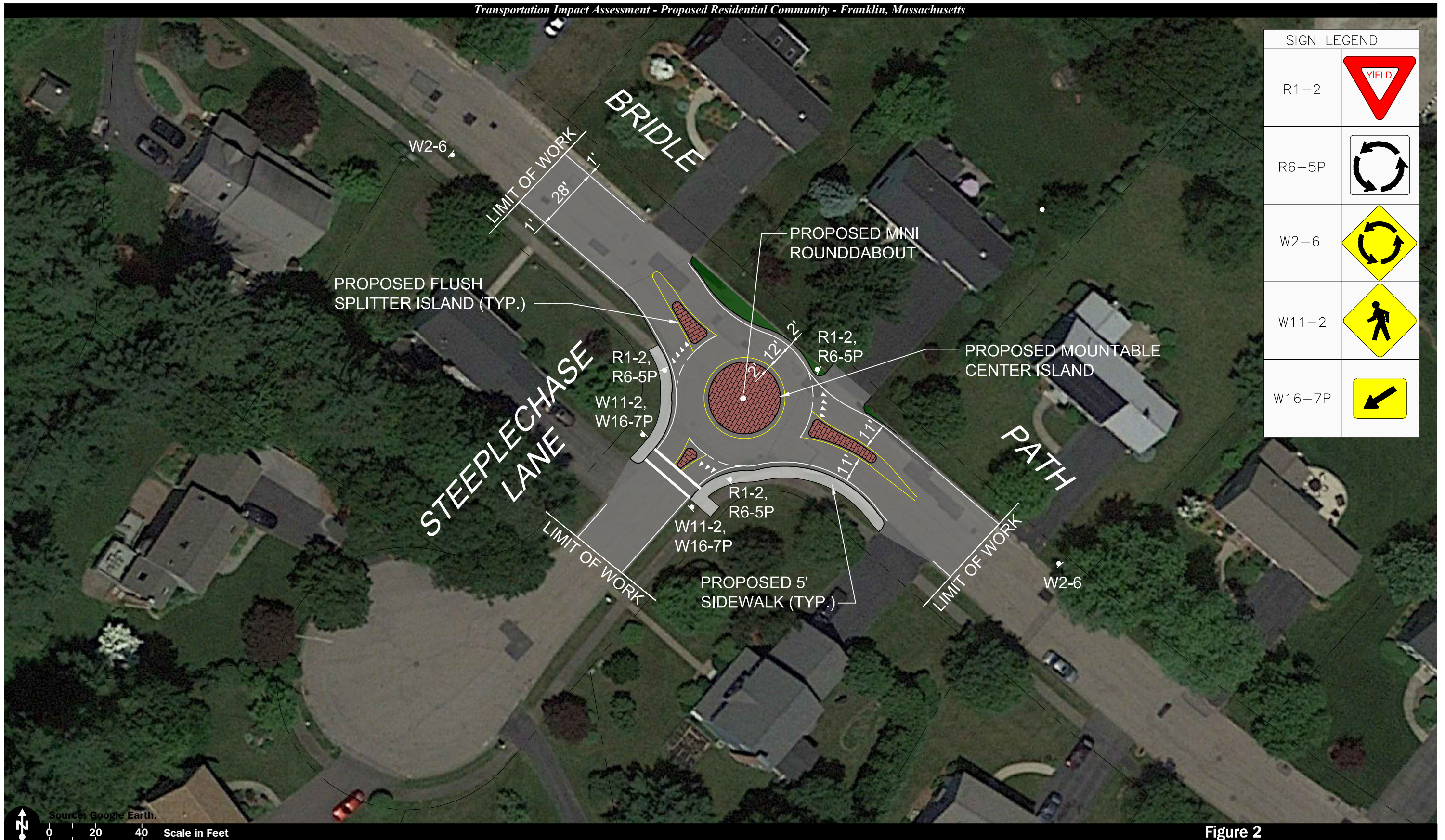
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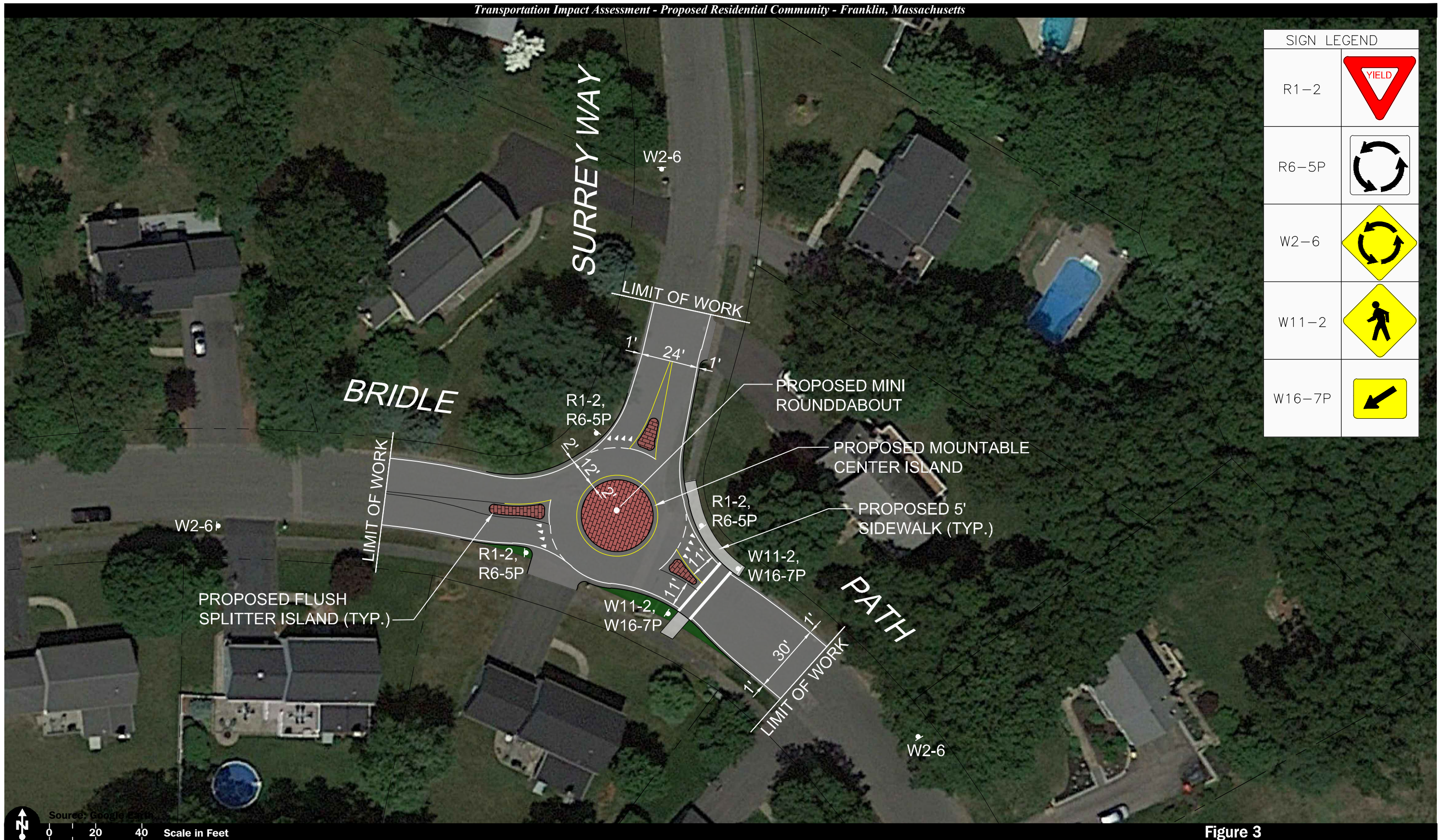
**Figure 1**  
**Conceptual Improvement Plan**  
**Bridle Path at Steeplechase Lane**





**Figure 2**  
**Conceptual Improvement Plan**  
**Bridle Path at Steeplechase Lane**





SIGN LEGEND	
R1-2	
R6-5P	
W2-6	
W11-2	
W16-7P	

Figure 3

Conceptual Improvement Plan  
Bridle Path at Surrey Way

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Source: Google Earth  
0 20 40 Scale in Feet

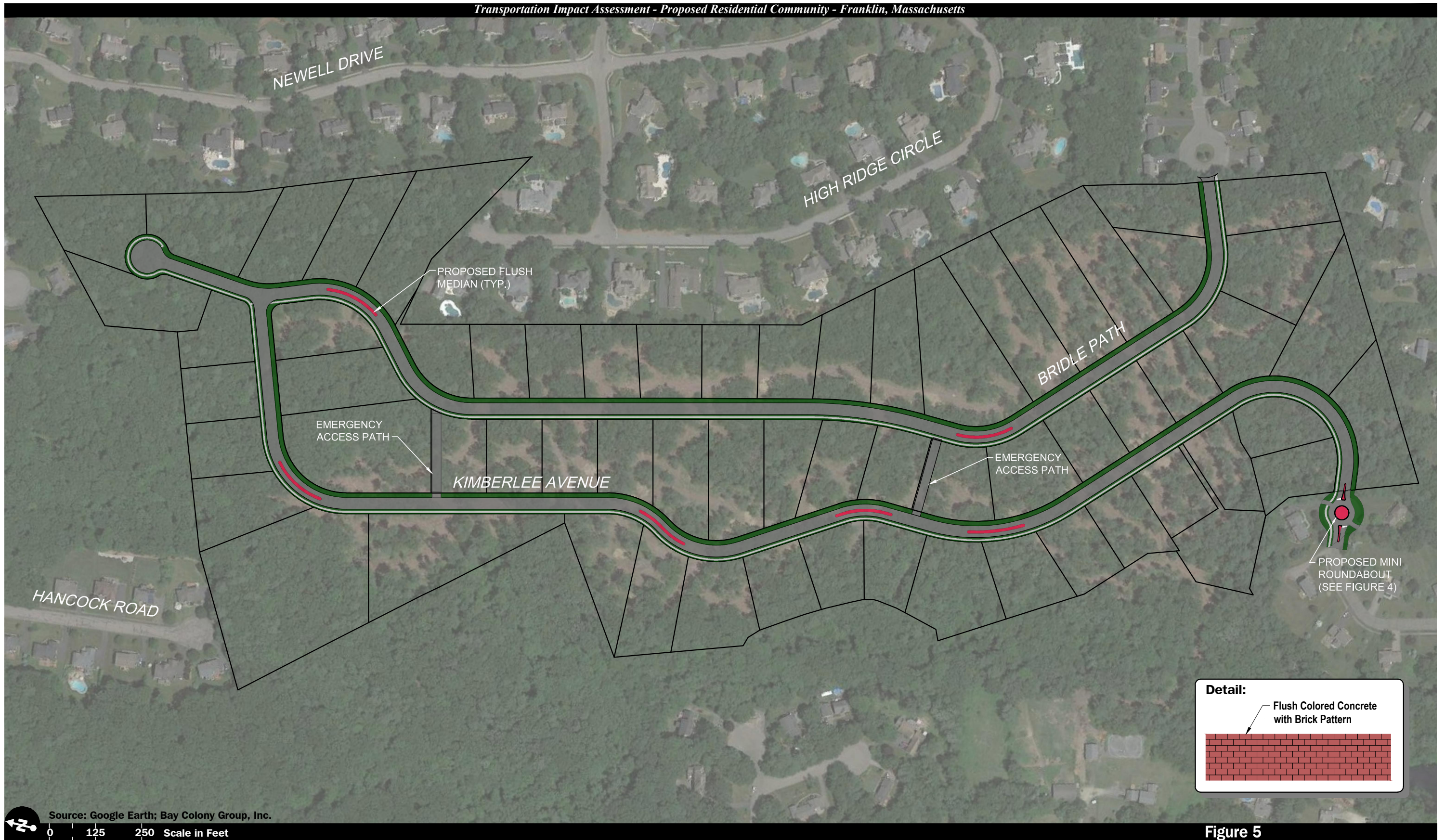






**Figure 4**  
**Conceptual Improvement Plan**  
**Kimberlee Avenue**





**Figure 5**  
**Conceptual Improvement Plan**  
**Bridle Path/Kimberlee Avenue**