NEEDHAM PLANNING BOARD Thursday, January 21, 2021 8:30 a.m.

Virtual Meeting using Zoom

Meeting ID: **826-5899-3198** (Instructions for accessing below)

To view and participate in this virtual meeting on your phone, download the "Zoom Cloud Meetings" app in any app store or at www.zoom.us. At the above date and time, click on "Join a Meeting" and enter the following Meeting ID: 826-5899-3198

To view and participate in this virtual meeting on your computer, at the above date and time, go to www.zoom.us click "Join a Meeting" and enter the following ID: 826-5899-3198

- 1. Highway Commercial 1 Rezoning and Planning Study: Review of Urban Design Plan, Traffic Impact, Discussion of Next Steps and Project Schedule.
- 2. Minutes.
- 3. Correspondence.
- 4. Report from Planning Director and Board members.

(Items for which a specific time has not been assigned may be taken out of order.)

HIGHWAY COMMERCIAL 1 ZONING DISTRICT PLANNING

NEEDHAM, MA

JANUARY 21, 2021



PREPARED BY:

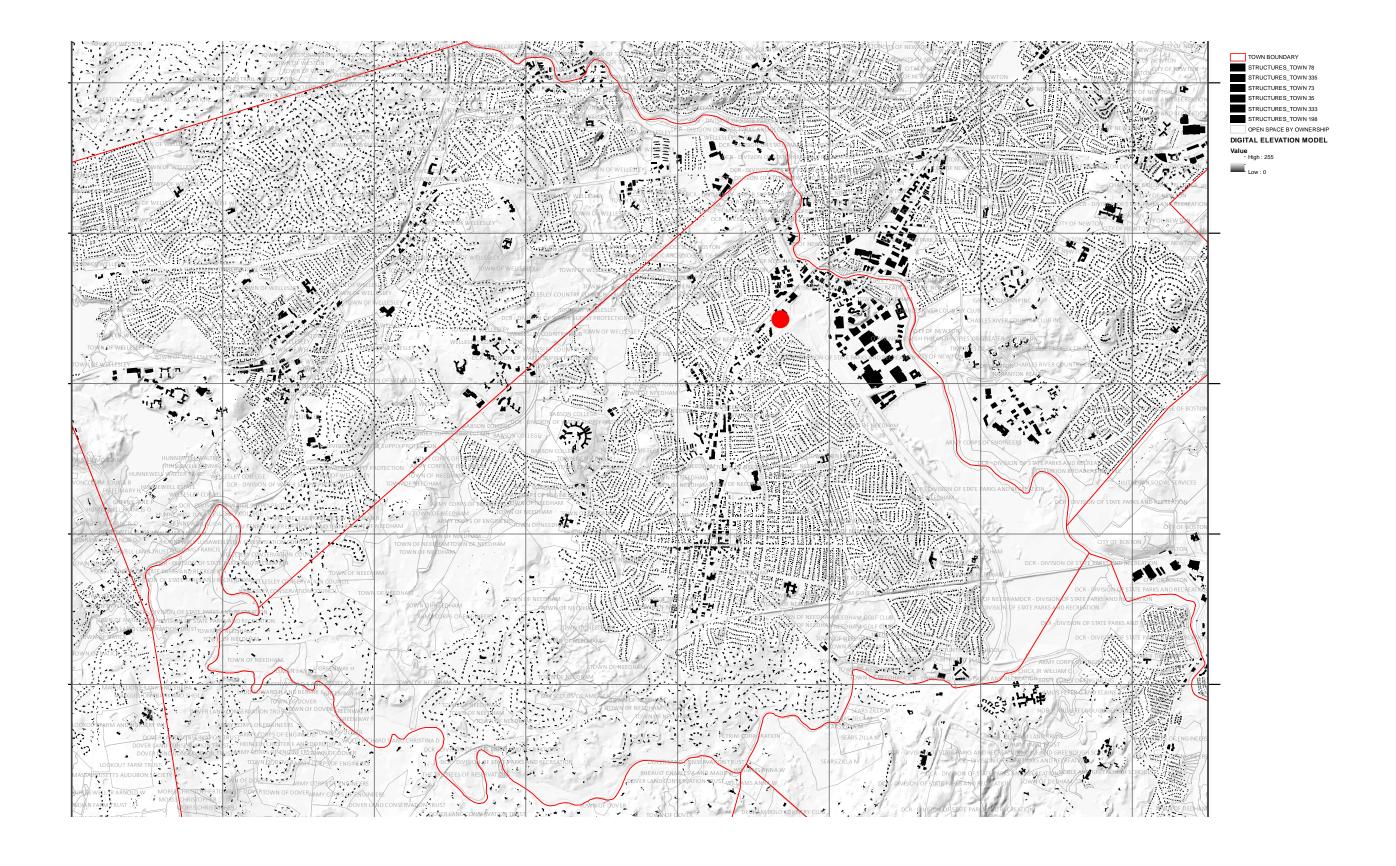
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AGENDA

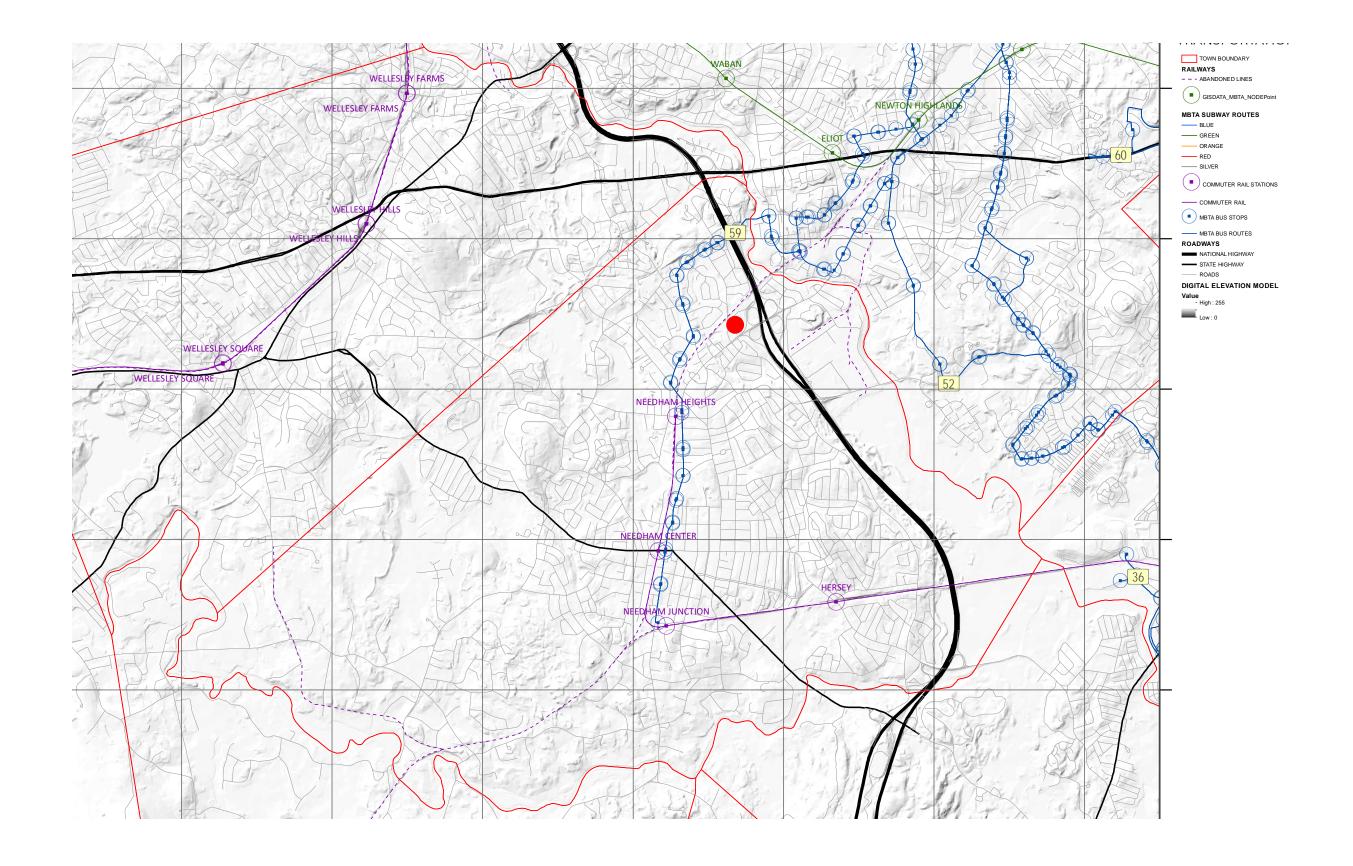
- 1. Goals for Community Meeting
- 2. Review of Zoning Drawings
 - A. Existing Zoning
 - -FAR = 0.5
 - B. As of Right Zoning
 - FAR = 1.0
 - Option 1 Program: commercial use
 - Option 2 Program: mixed use commercial and residential
 - C. Special Permit Zoning
 - -FAR = 1.35
 - Option 1 Program: commercial use
 - Option 2 Program: mixed use commercial and residential
- 3. Recommendations for Sustainable Development Strategies

GOALS FOR COMMUNITY MEETING

- Historical overview of the planning process as relates to the study area.
- Presentation of an analysis of existing study area conditions, including land use, zoning, parking, and traffic.
- Brief presentation of the earlier development scheme
- Presentation of the proposed scheme for the study area
- Questions & Answers



HIGHWAY COMMERCIAL 1 ZONING DISTRICT PLANNING



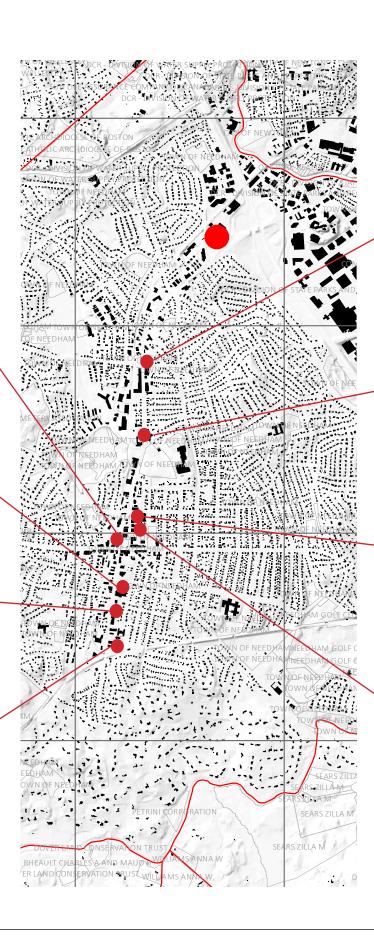
HIGHLAND AVENUE: CIVIC AND COMMERCIAL CORRIDOR



















Zoning Element	Existing By-law		Previous Proposal		New Proposal	
	By Right	Special Permit	By Right	Special Permit	By Right	Special Permit
FAR	0.5	0.65-0.75	1.00	1.75	1.00	1.35
Height	30'	-	70'*	84'*	70'****	70'****
Front Setback	Gould + Highland)		5'**	5'**	5'**	5'**
Side Setback	20'		10' ***	10' ***	10' ***	10' ***
Rear Setback	10'		10' ****	10' ****	10' ****	10' ****
Min Lot Area (SF)	20,000		20,000	20,000	20,000	20,000
Min Lot Frontage	100		100	100	100	100
Max Lot Coverage	no requirement	no requirement	65%	65%	65%	65%
Traffic Mitigation		\$ by Developer		\$ by Developer	_	\$ by Developer

Legend

- *Except a building within 150 feet of Highland Avenue and 200 feet of Gould Street is limited to a height of 42 feet or 48 feet if under a pitched roof or recessed from the face of the building in a manner approved b8y the Planning Board.
- **Except where building height exceeds 42 feet, in which case the front setback increases to 15 feet, or the building sits on Highland Avenue, Gould Street and/or the layout of Route 95/128, where a 20-foot landscaped vegetative buffer is required.
- ***Except where building height exceeds 42 feet, in which case the side setback is increased to 20 feet for all side setbacks not abutting the MBTA right-of-way.
- **** Except where building height exceeds 42 feet, in which case the rear setback is increased to 20 feet for all rear setbacks not abutting the MBTA right-of-way.
- *****Except a building within 180 feet of Highland Avenue, dimensioned from the extent of Highland Avenue, and 200 feet of Gould Street is limited to a height of 42 feet or 48 feet if under a pitched roof or recessed from the face of the building in a manner approved by the Planning Board.

Zoning Element	Existing By-law		Previous Proposal		New Proposal	
	By Right	Special Permit	By Right	Special Permit	By Right	Special Permit
Uses	farm, church, school,					
	lib/mus, muni water tower,					
	park, passenger station,					
	childcare, single family,					
	boarding house, dormitory,					
	retail up to 5750 sf,		Chapter 40A exempt	Light-rail train station,		
	accessory manufacturing,	agriculture, nursing home,	uses, public parks,	adult day care, private		
	offices, banks, various	private club, private	municipal buildings or	school or nursery, retail		
	services, theaters, movie	school, retail over 5750	uses, retail up to	establishment from		
	houses, sport facilities,	sf, fitness, trucking	10,000sf, accessory	10,000 to 25,000sf,		
	entertainment buildings,	terminal, gas station,	manufacturing,	equipment rental service,		
	fitness, distribution	vehicle repair, laundry,	various services,	grocery store up to		
	warehouse, storage,	1.	offices, banks,	25,000sf, restaurant,		
	machine shop, bottling	establishment, hotel,	medical laboratory or	veterinary office, indoor		
	plant, equipment rental,	restaurant, veterinary,	laboratory engaged in	athletic or exercise facility,		
	garment manufacturing,	medical clinic, medical	research and	drive-up window, medical		
	laboratory, radio/TV studio,	marijuana, car sales and	development, radio or	group practice, live		
	light manufacturing,	1, 0,	television studio,	performance theater,		Residential multi-famil
	municipal building,	1.	manufacturing, more	bowling alley, and similar		use of up to 240 units
	accessory use for home	research, medical lab, off-	than one building or	commercial amusement	No change from	added to previous
	office or small repairs	street parking	use on a lot.	or entertainment places.	previous proposal	proposal

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HIGHWAY COMMERCIAL 1 ZONING DISTRICT PLANNING

A. EXISTING ZONING

VIEW FROM HIGHLAND TOWARDS NEWTON









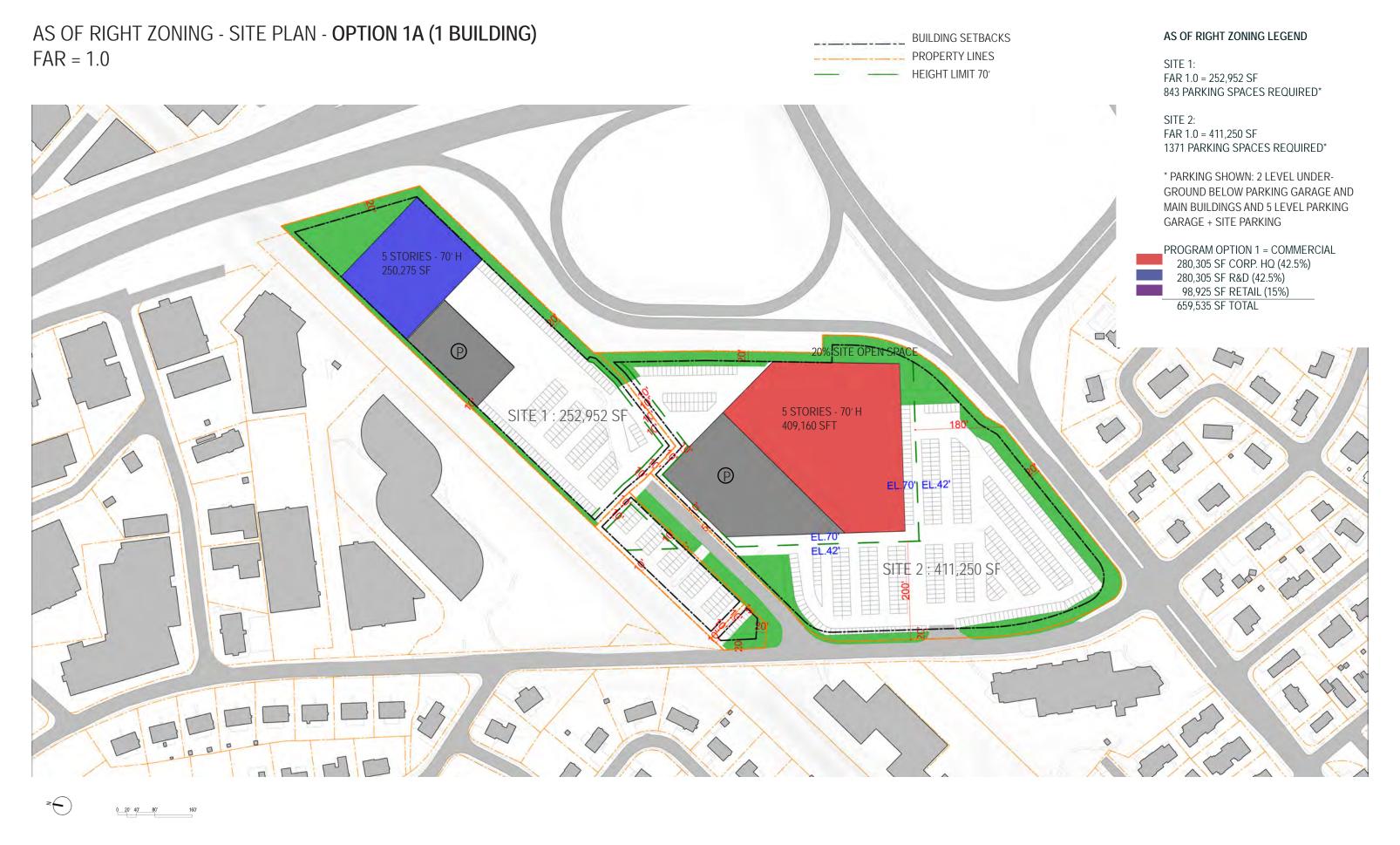


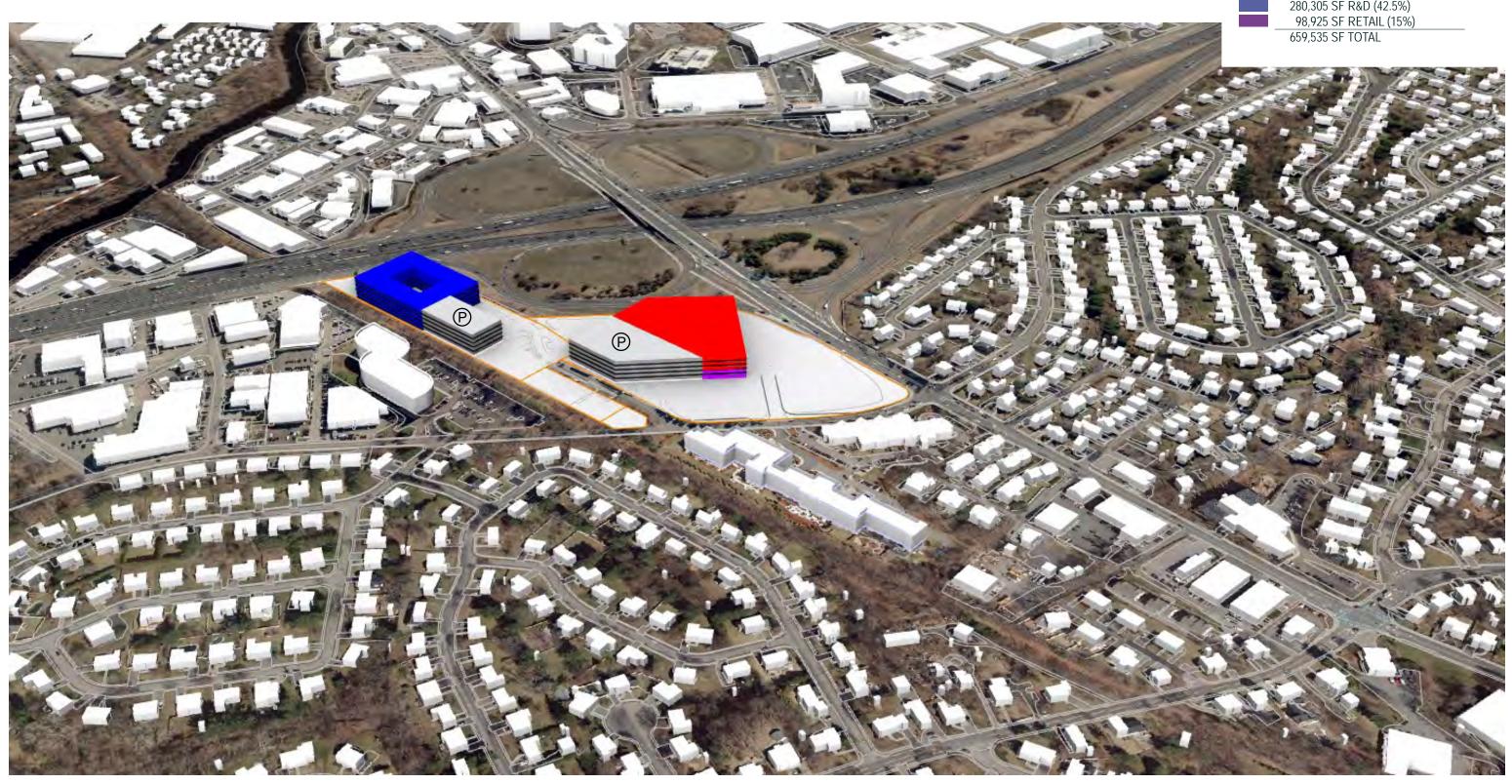


_____ BUILDING SETBACKS

EXISTING ZONING REQUIREMENTS

B. AS OF RIGHT ZONING SITE PLAN





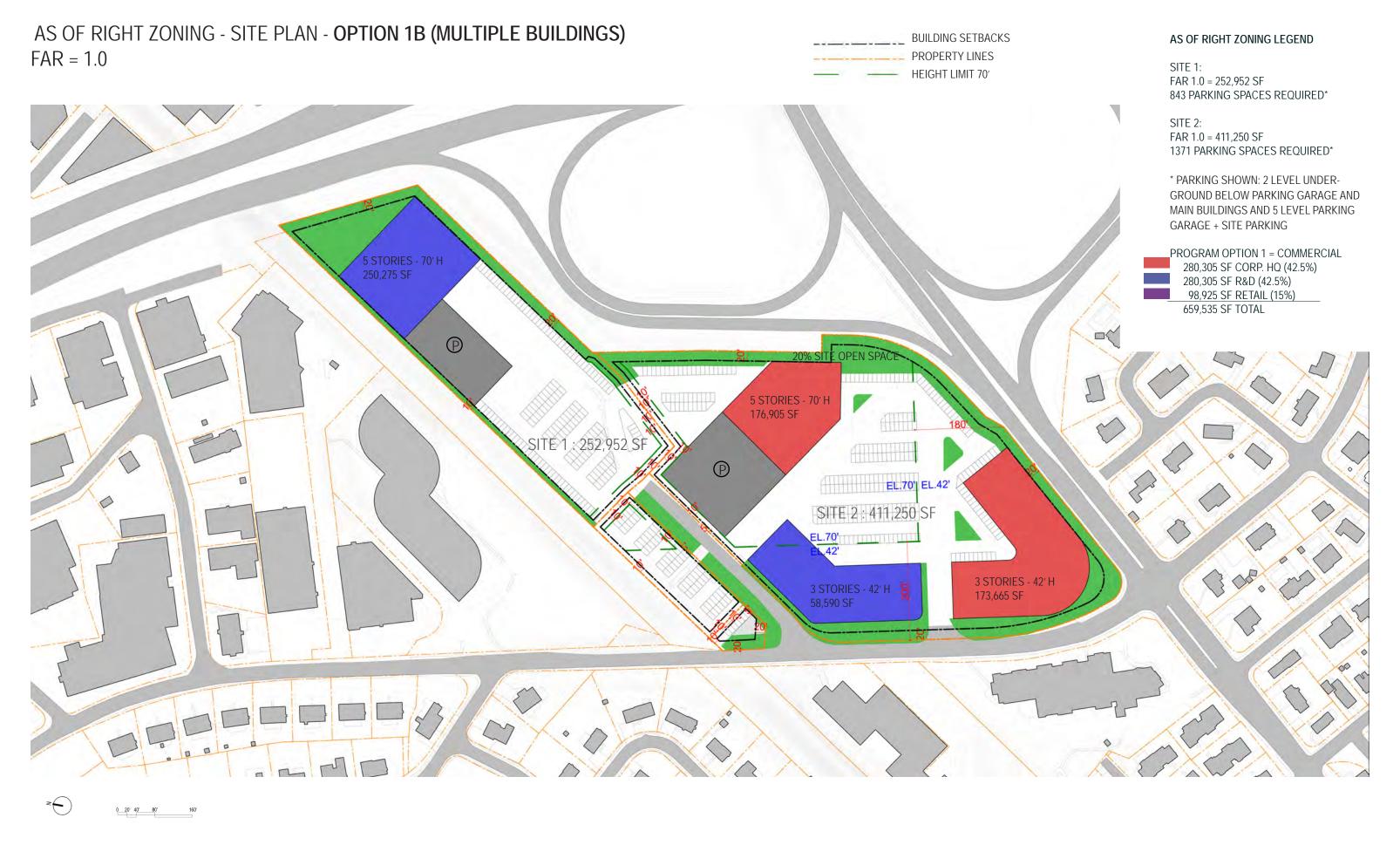




AS OF RIGHT ZONING - VIEW FROM HIGHLAND AVE BRIDGE TOWARDS NEEDHAM - OPTION 1A (1 BUILDING)







PROGRAM OPTION 1 = COMMERCIAL

AS OF RIGHT ZONING - VIEW FROM GOULD STREET TOWARDS HIGHLAND AVE. - OPTION 1B (MULTIPLE BUILDINGS)



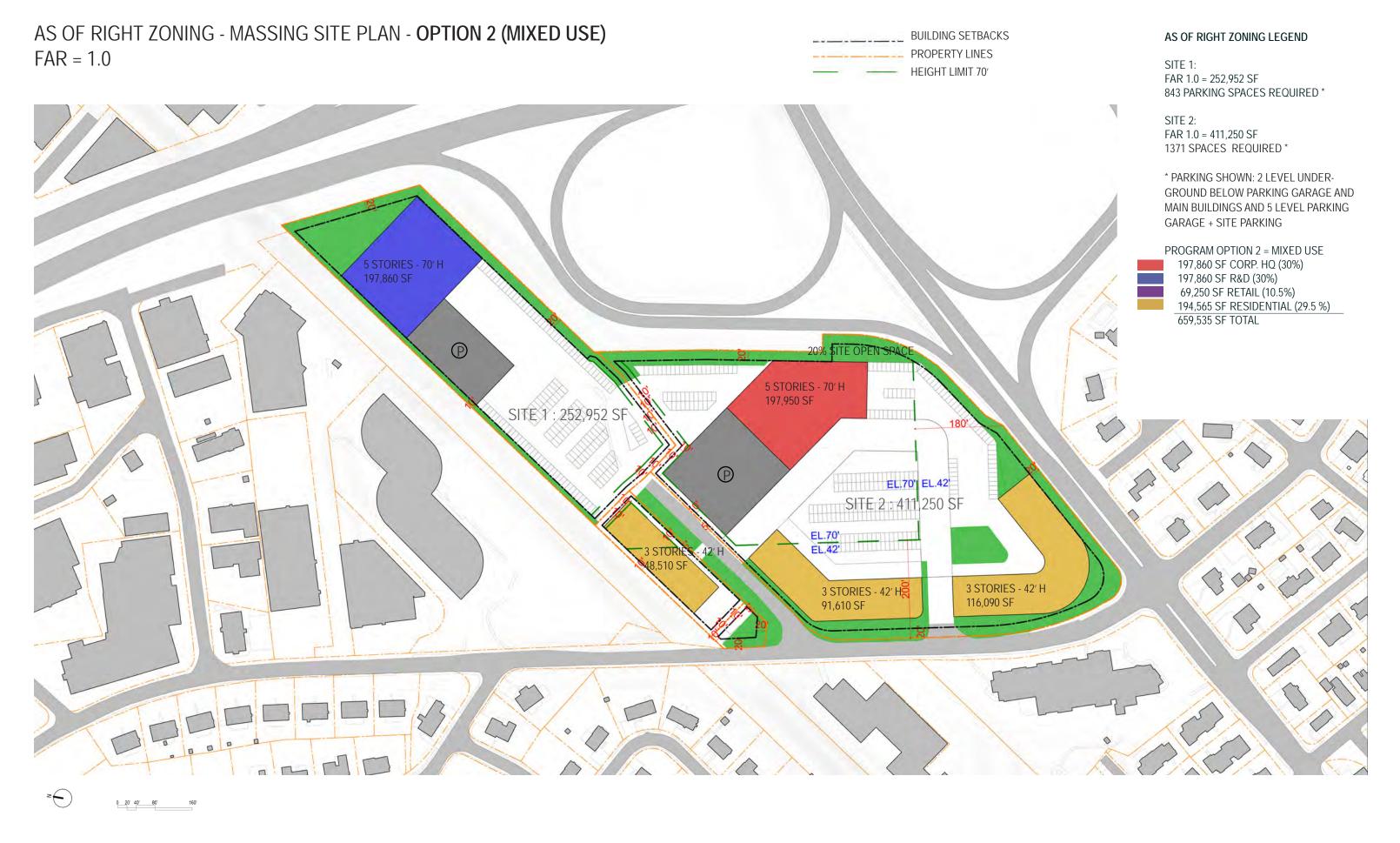
AS OF RIGHT ZONING - VIEW FROM HIGHLAND AVE BRIDGE TOWARDS NEEDHAM - OPTION 1B (MULTIPLE BUILDINGS)



AS OF RIGHT ZONING - VIEW FROM HIGHLAND AVE. TOWARDS NEWTON - OPTION 1B (MULTIPLE BUILDINGS)







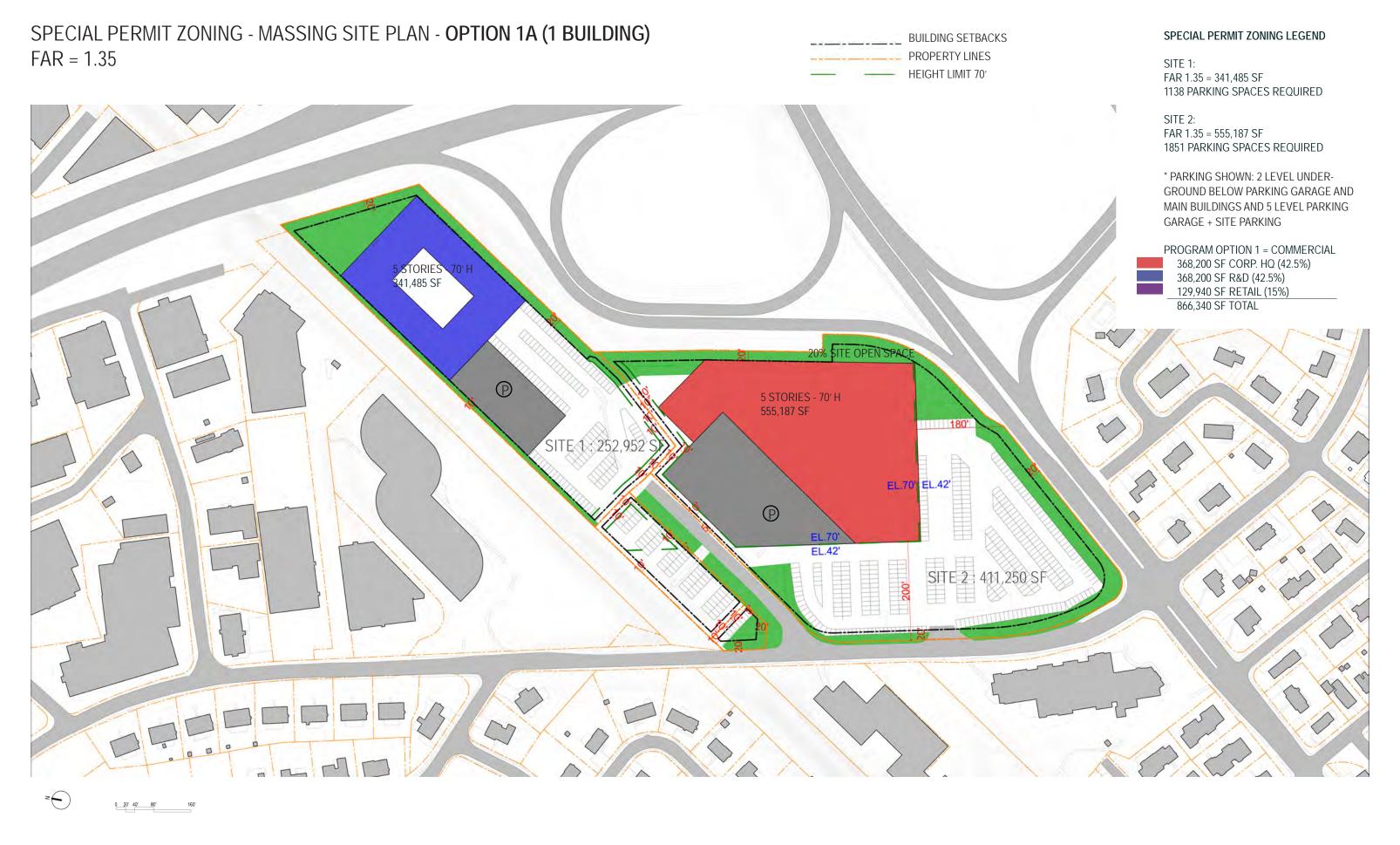


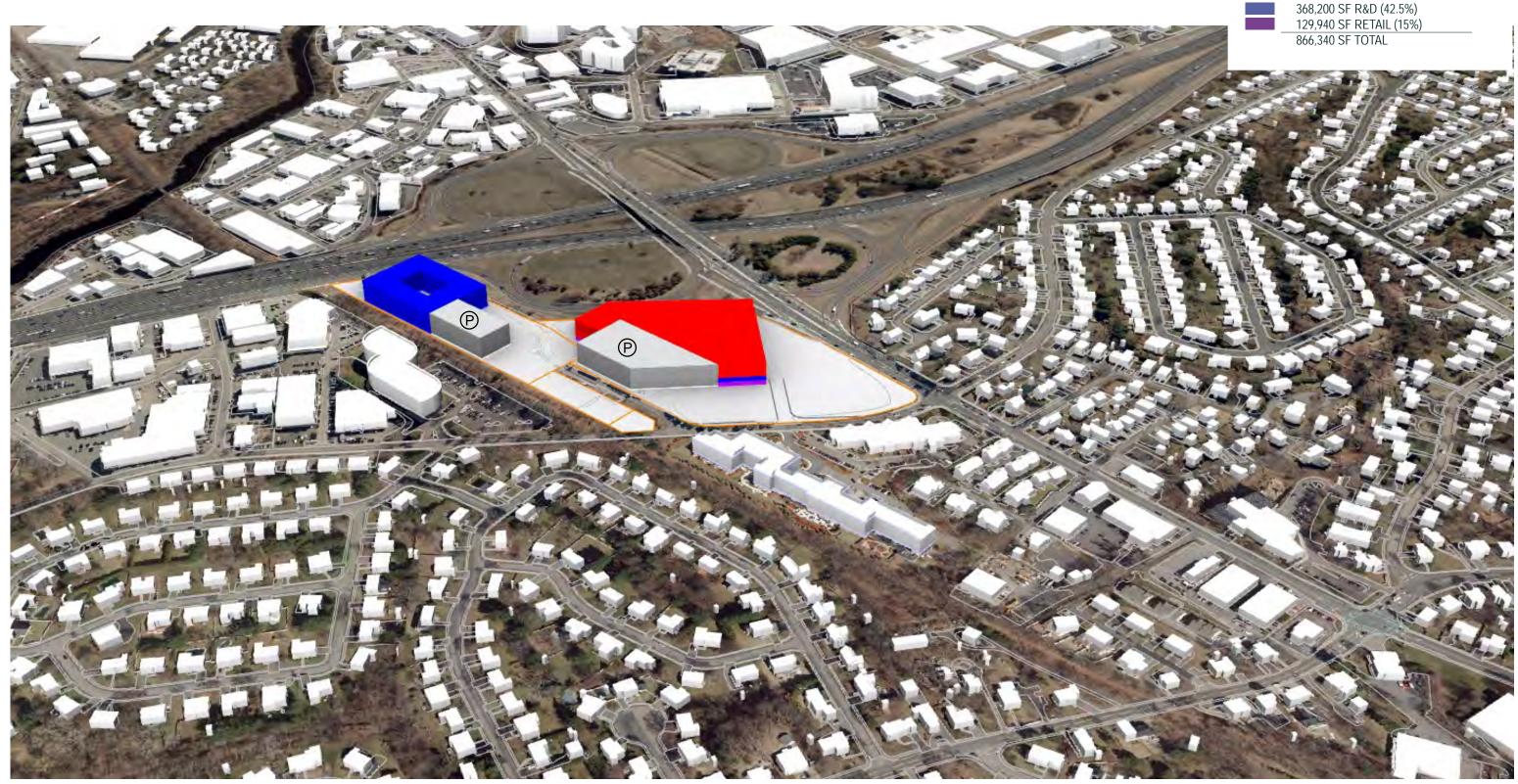












SPECIAL PERMIT ZONING - VIEW FROM GOULD STREET TOWARDS HIGHLAND AVE. - OPTION 1A (1 BUILDING)



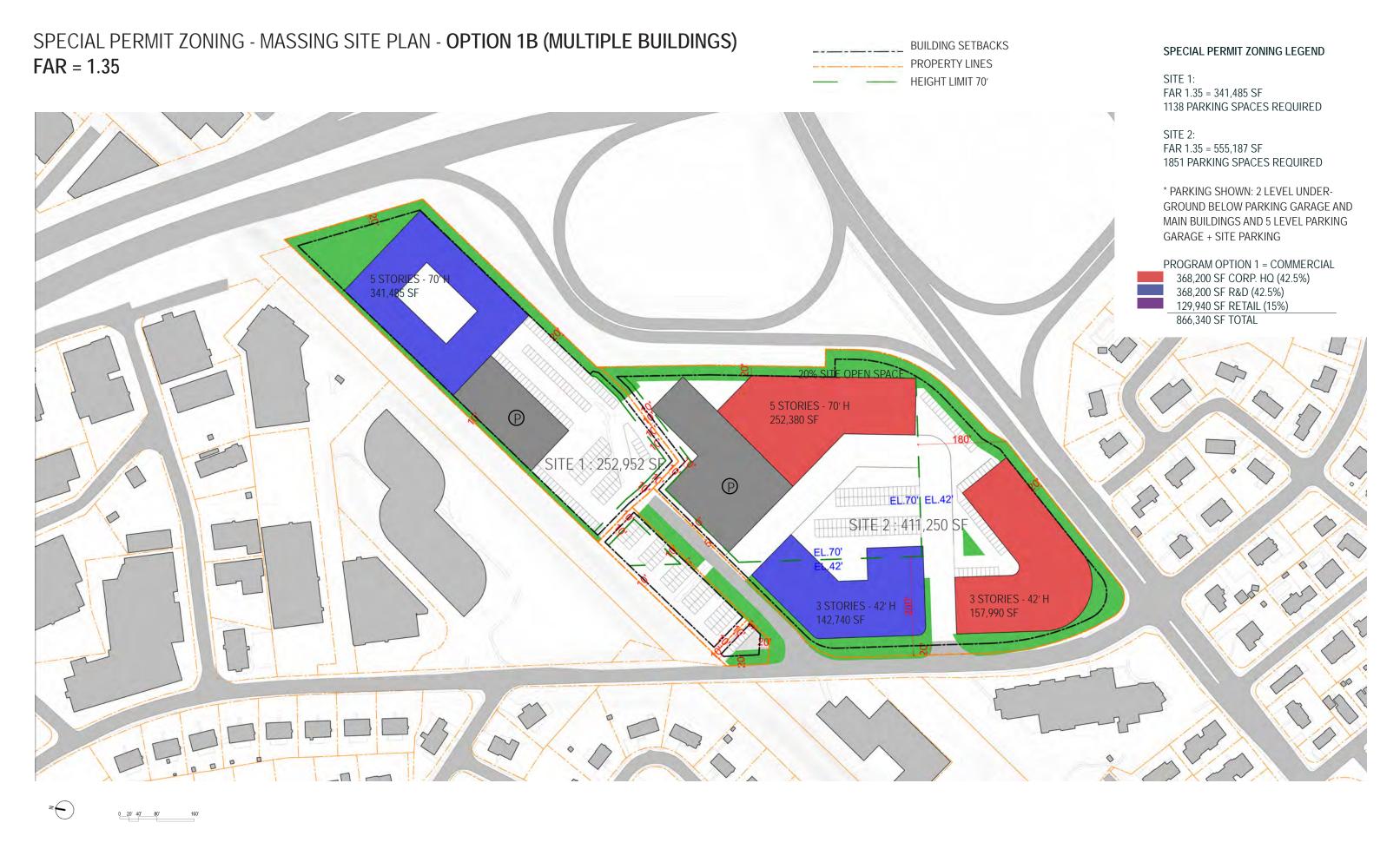
SPECIAL PERMIT ZONING - VIEW FROM HIGHLAND AVE BRIDGE TOWARDS NEEDHAM - OPTION 1A (1 BUILDING)



SPECIAL PERMIT ZONING - VIEW FROM HIGHLAND AVENUE TOWARDS NEWTON - OPTION 1A (1 BUILDING)







PROGRAM OPTION 1 = COMMERCIAL

SPECIAL PERMIT ZONING - VIEW FROM GOULD STREET TOWARDS HIGHLAND AVE. - OPTION 1B (MULTIPLE BUILDINGS)



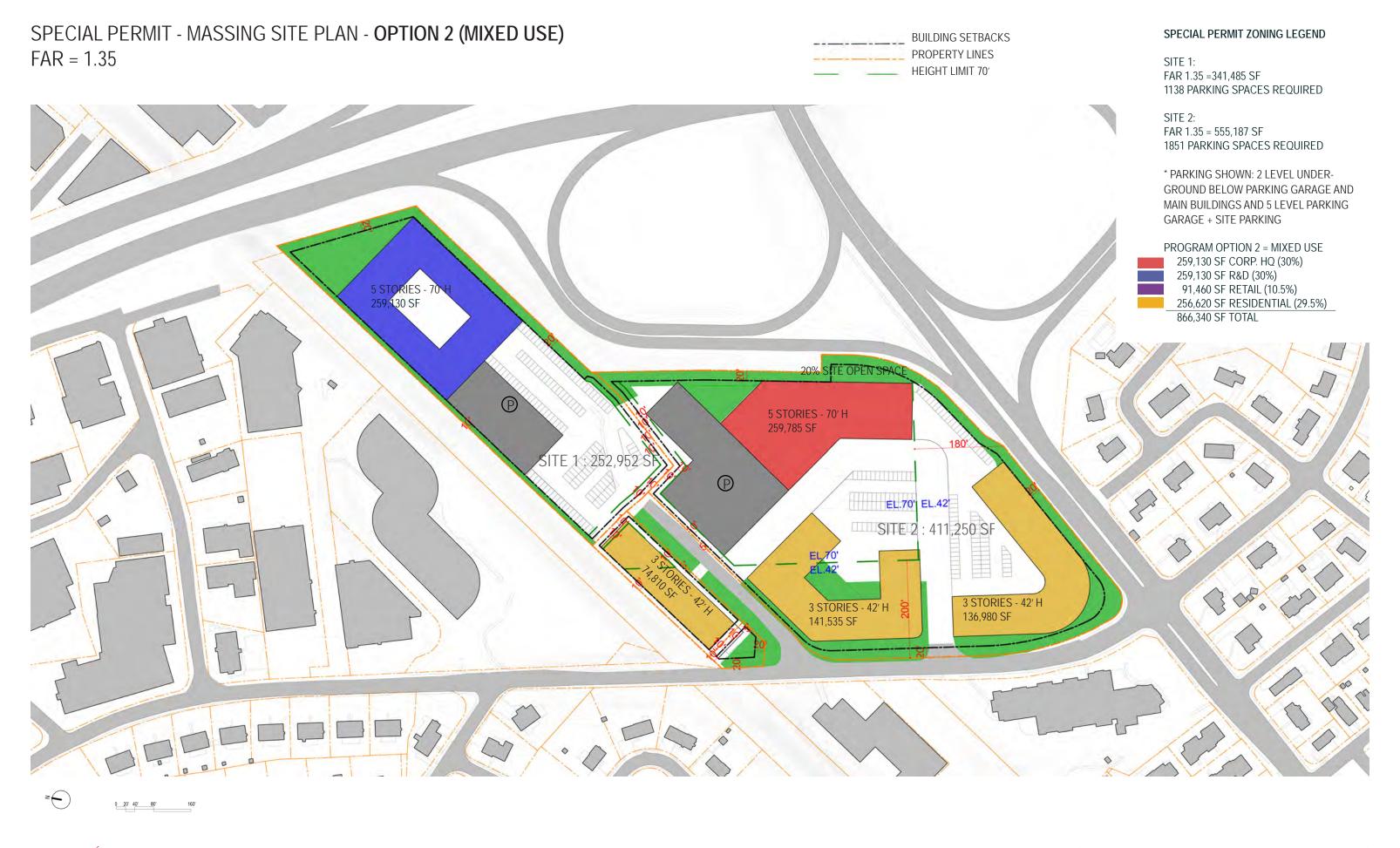
SPECIAL PERMIT ZONING - VIEW FROM HIGHLAND AVE BRIDGE TOWARDS NEEDHAM - OPTION 1B (MULTIPLE BUILDINGS)



SPECIAL PERMIT - VIEW FROM HIGHLAND AVENUE TOWARDS NEWTON - OPTION 1B (MULTIPLE BUILDINGS)







PROGRAM OPTION 2 = MIXED USE 259,130 SF CORP. HQ (30%) 259,130 SF R&D (30%) 91,460 SF RETAIL (10.5%) 256,620 SF RESIDENTIAL (29.5%) 866,340 SF TOTAL



SPECIAL PERMIT ZONING - VIEW FROM GOULD STREET TOWARDS HIGHLAND AVE. - OPTION 2 (MIXED USE)



SPECIAL PERMIT ZONING - VIEW FROM HIGHLAND AVE BRIDGE TOWARDS NEEDHAM - OPTION 2 (MIXED USE)



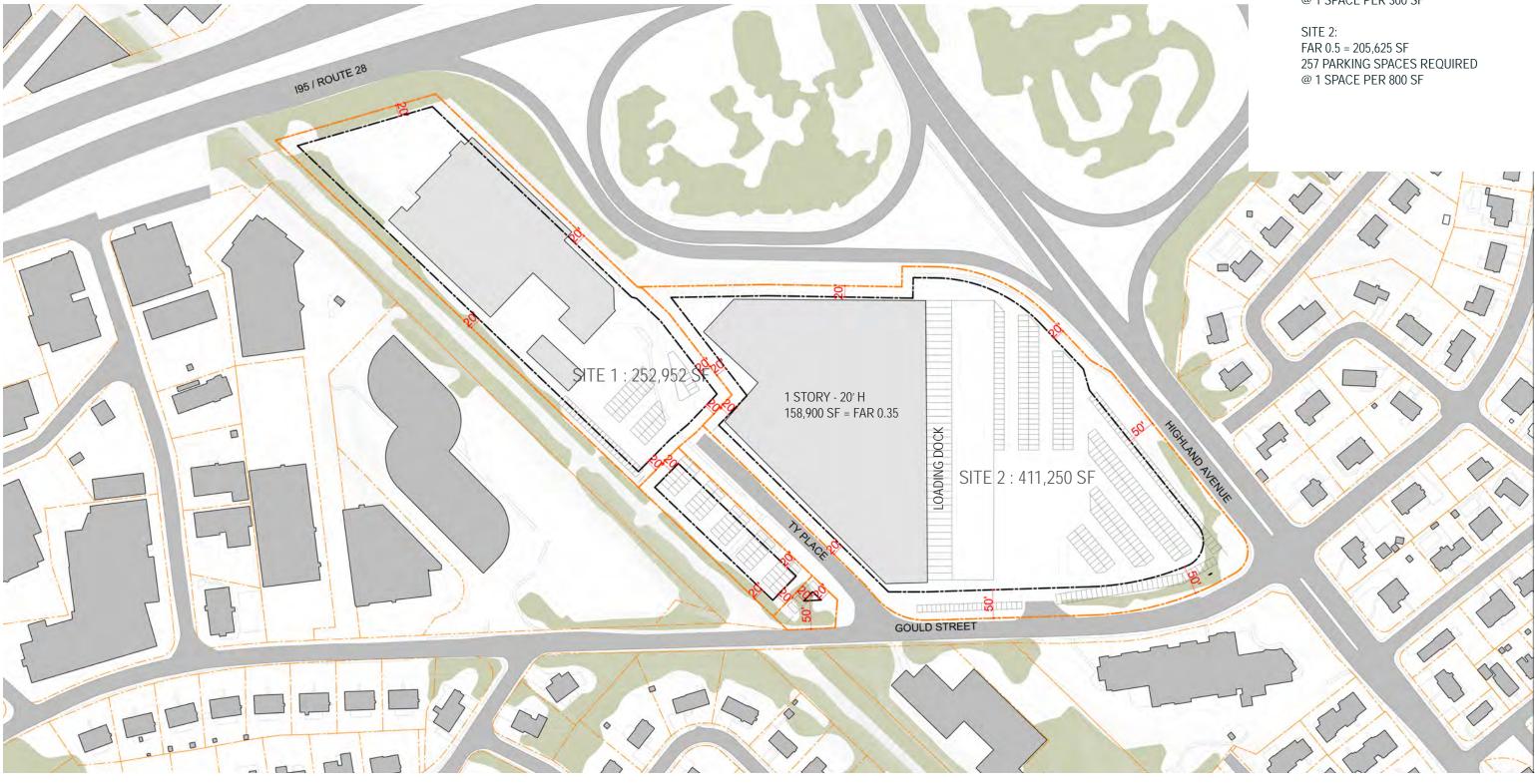






EXISTING ZONING REQUIREMENTS

SITE 1: FAR 0.5 = 126,476 SF 422 PARKING SPACES REQUIRED @ 1 SPACE PER 300 SF

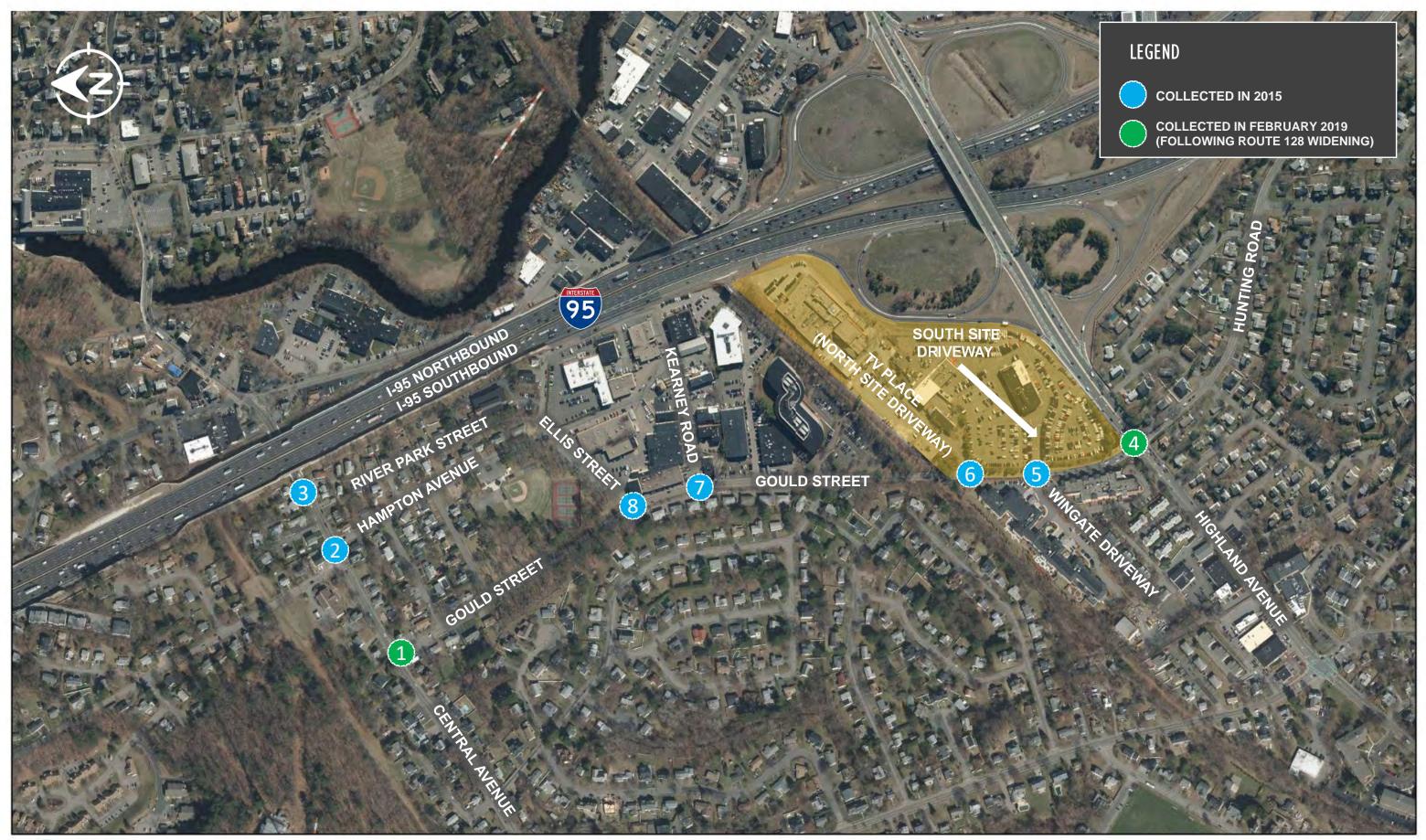


Highway Commercial 1 Needham, Massachusetts

Community Meeting February 3, 2021







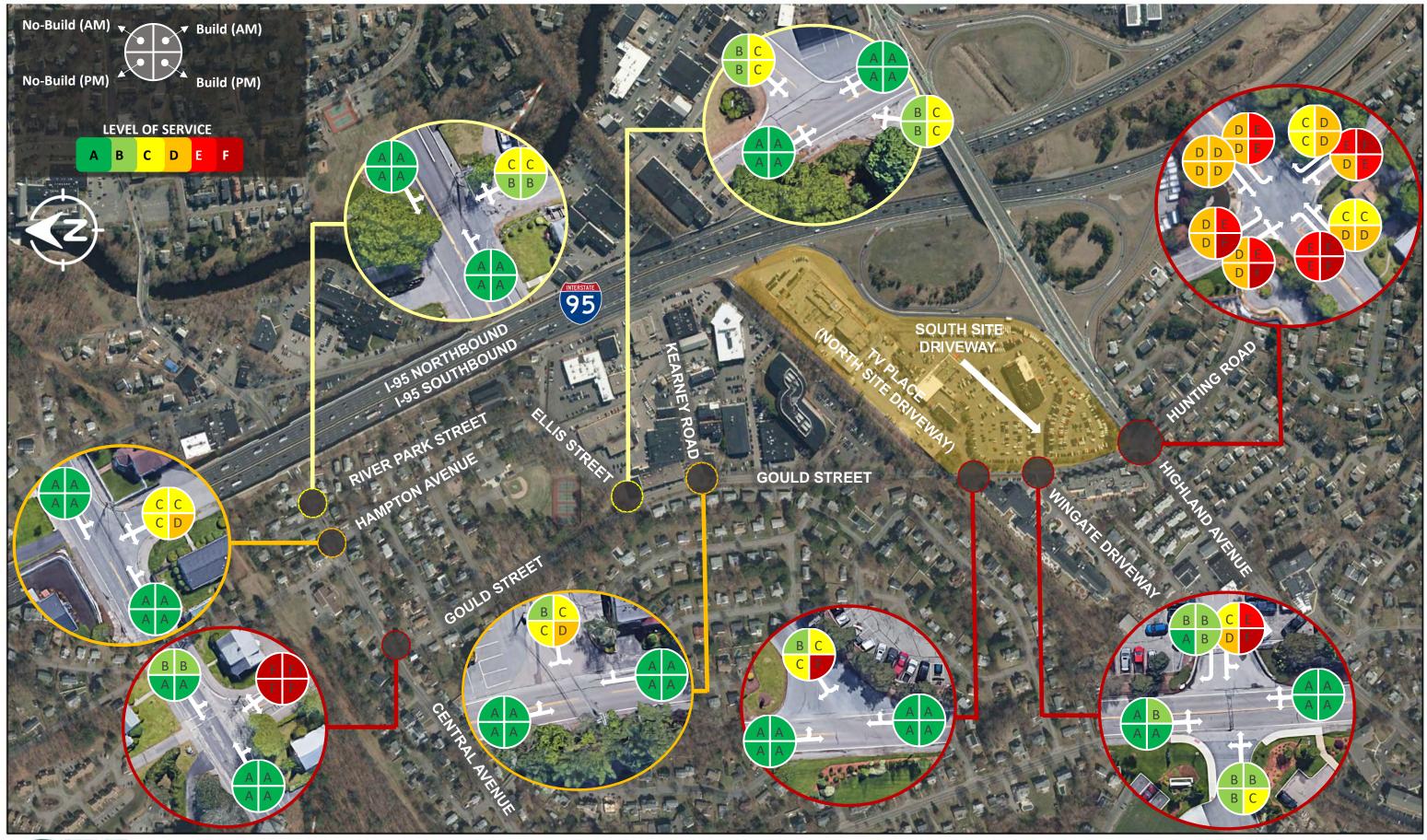
Time Period / Direction	Existing Trips	Proposed Trips	Net Increase				
Weekday Daily		10,402					
Weekend AM Peak Hour							
Enter	126	766	640				
Exit	65	75	10				
Total	191	841	650				
Weekday PM Peak Hour							
Enter	33	239	206				
Exit	103	926	823				
Total	136	1,165	1,029				







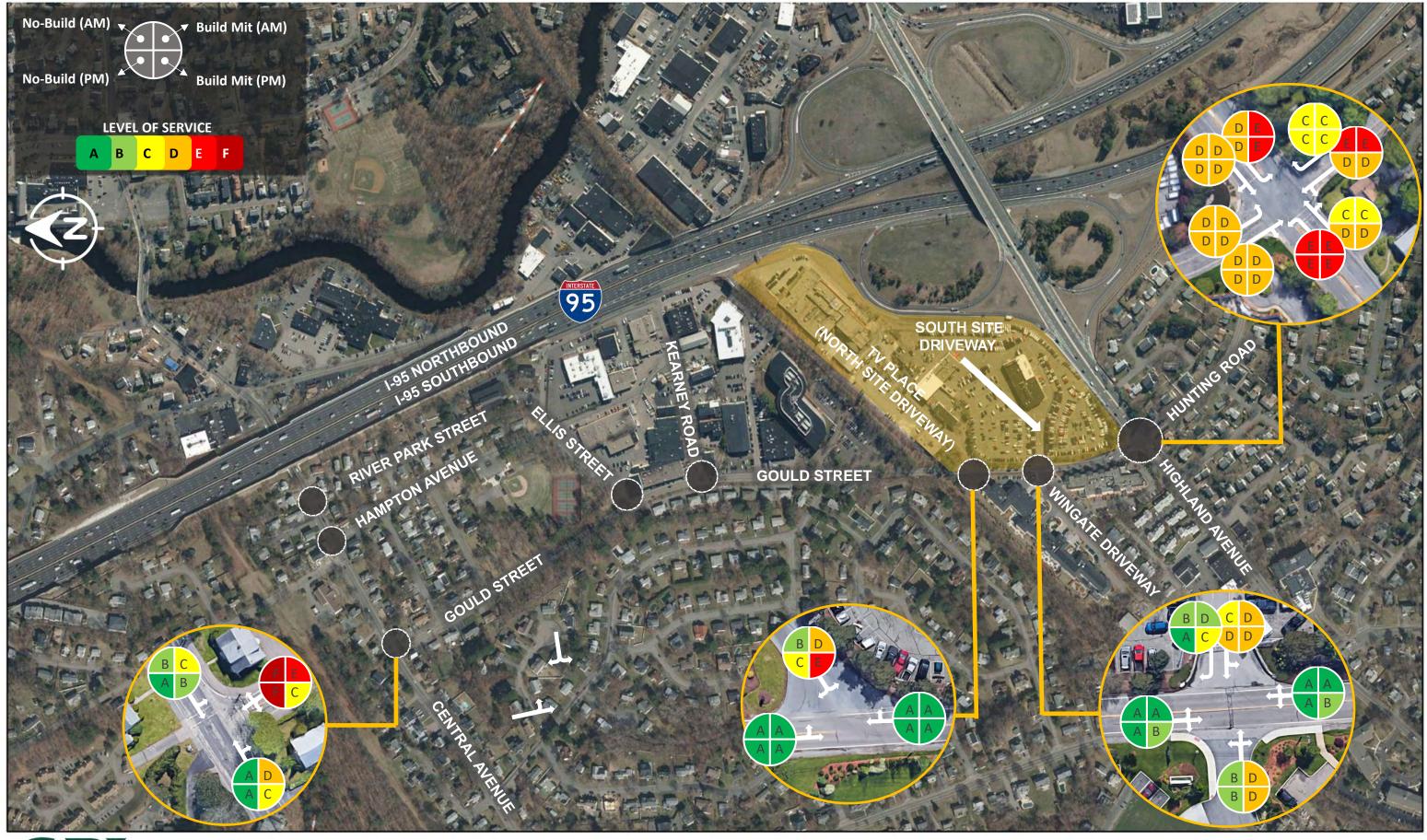
TRIP DISTRIBUTION





LEVEL-OF-SERVICE (LOS) 2030 NO-BUILD VS. BUILD

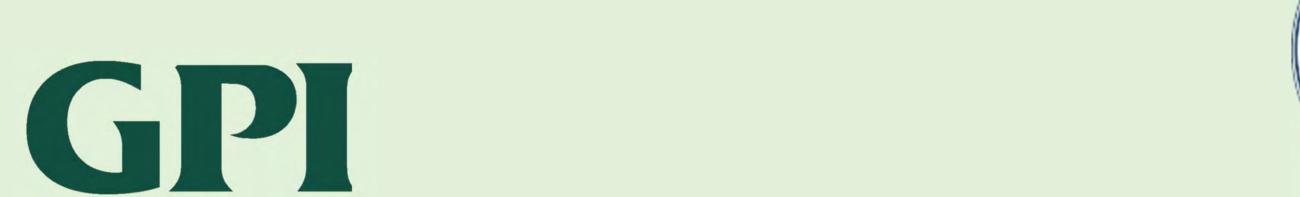






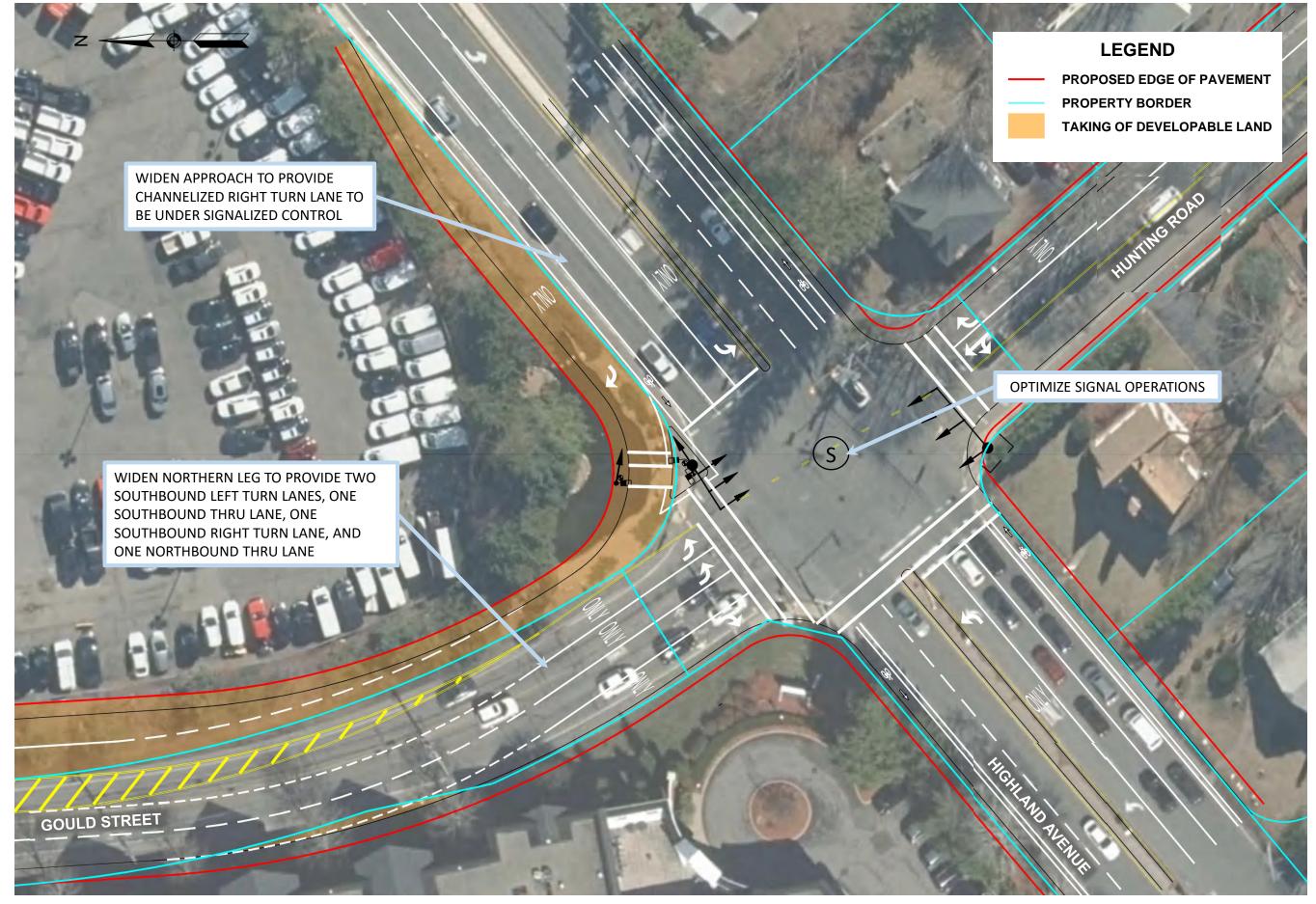
LEVEL-OF-SERVICE (LOS) 2030 NO-BUILD VS. BUILD MITIGATED

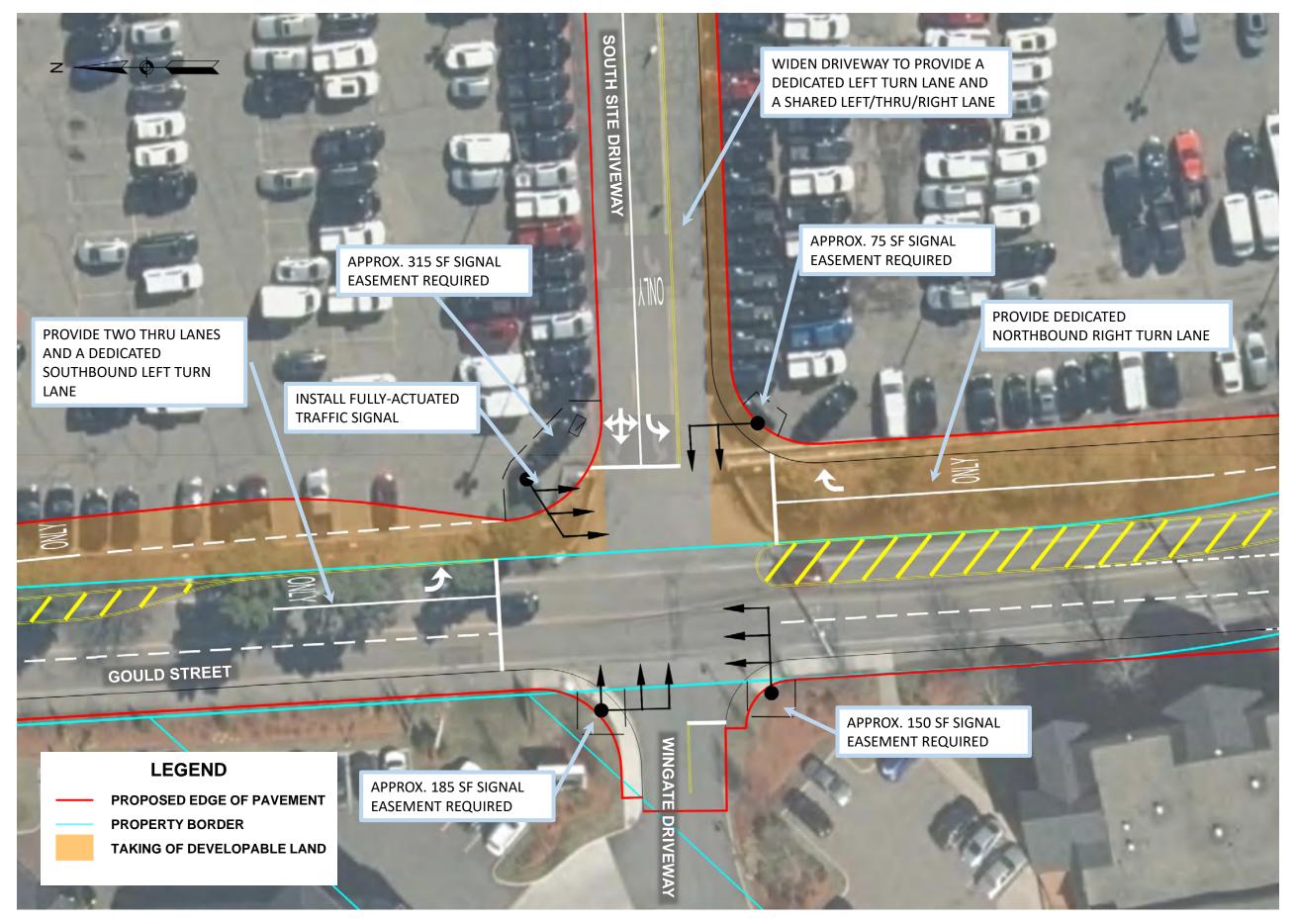
QUESTIONS?



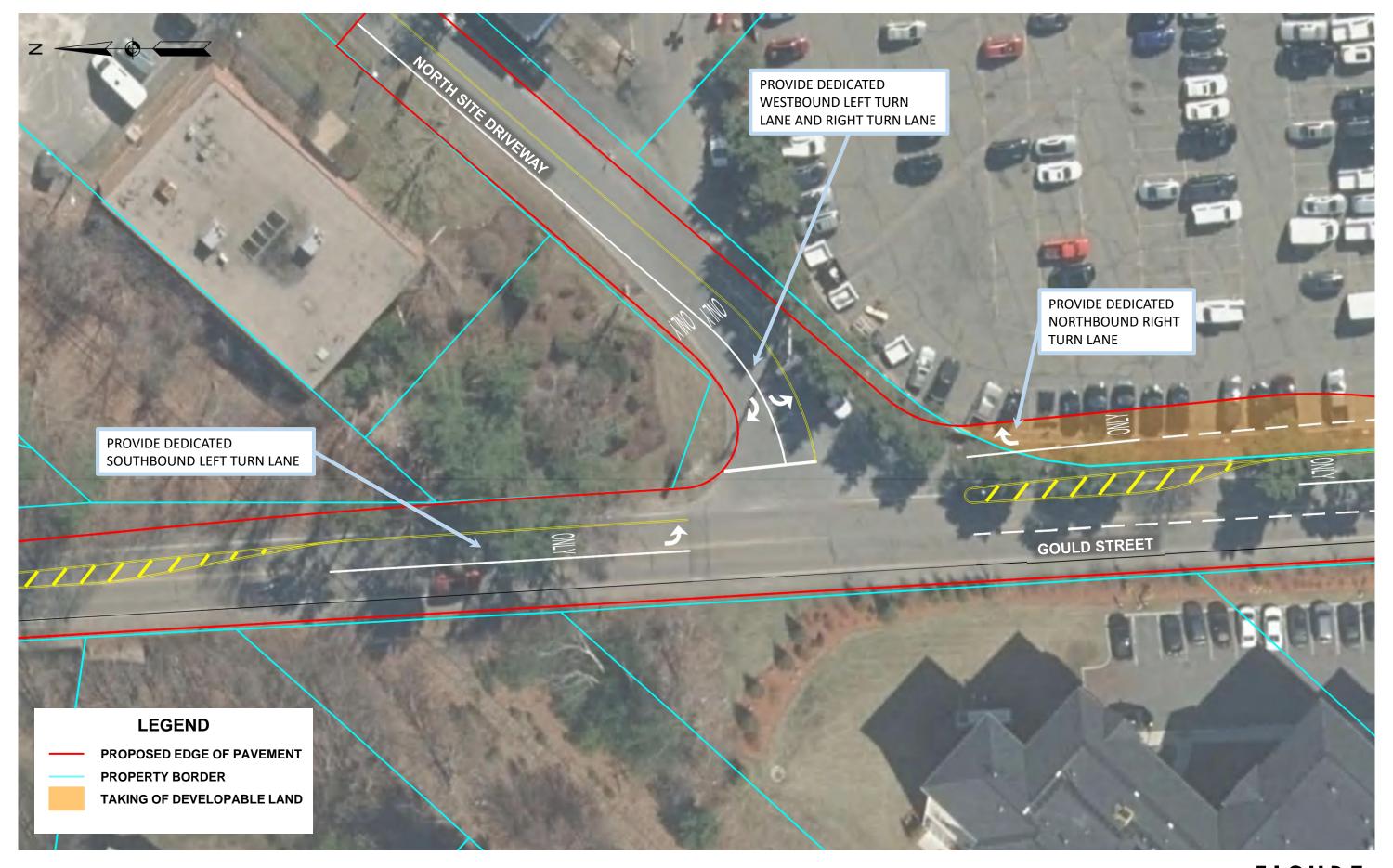


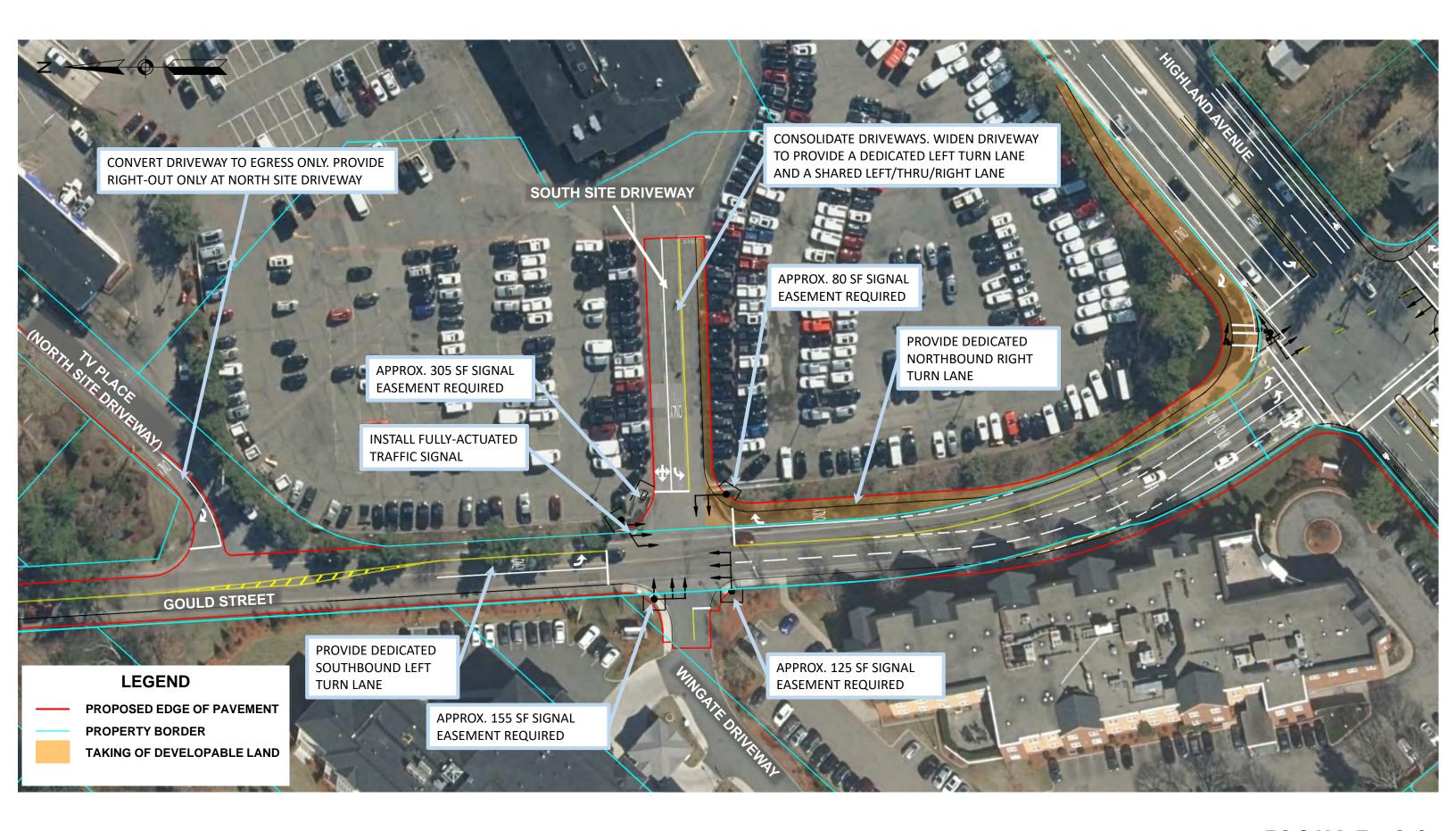


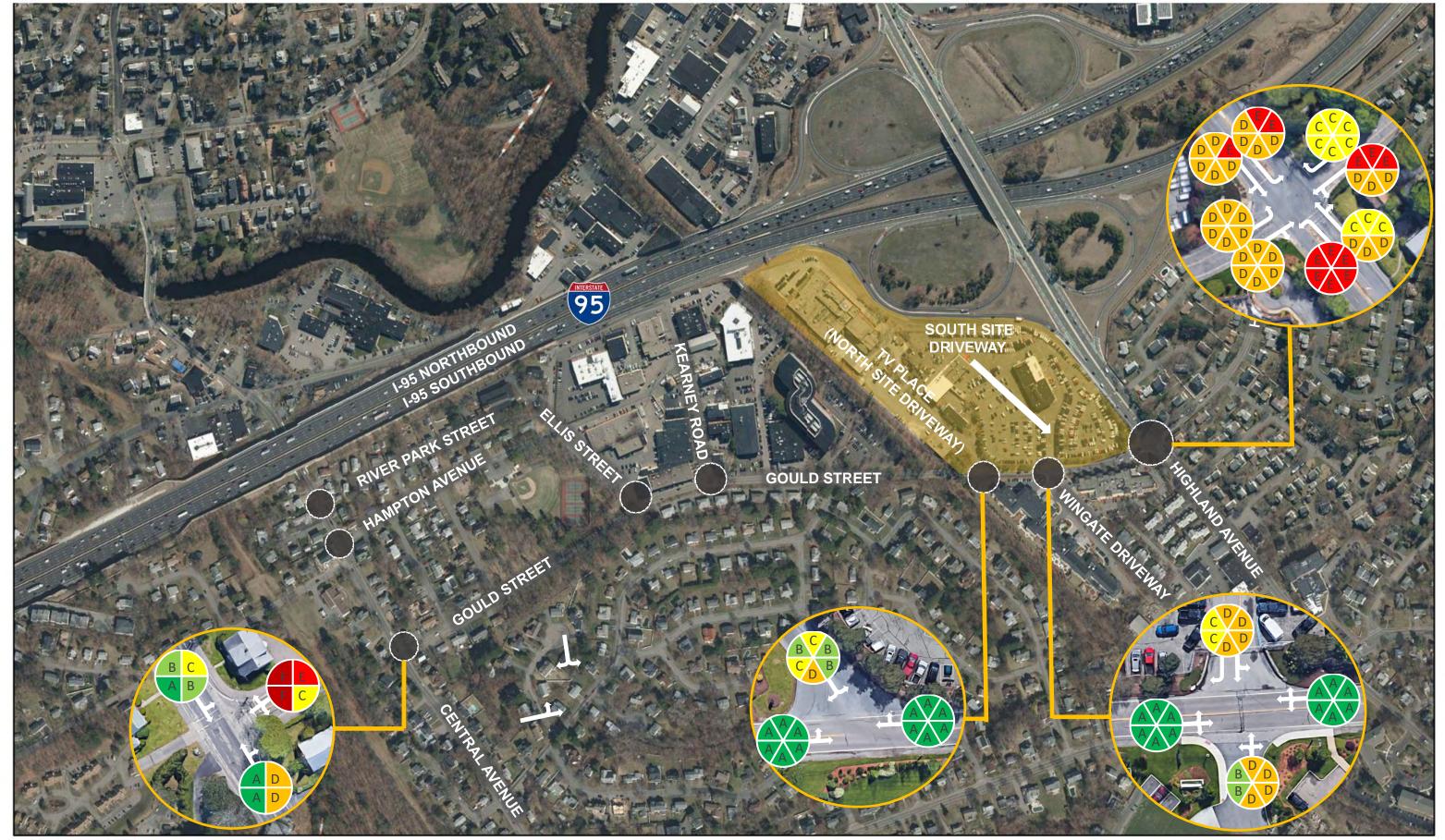


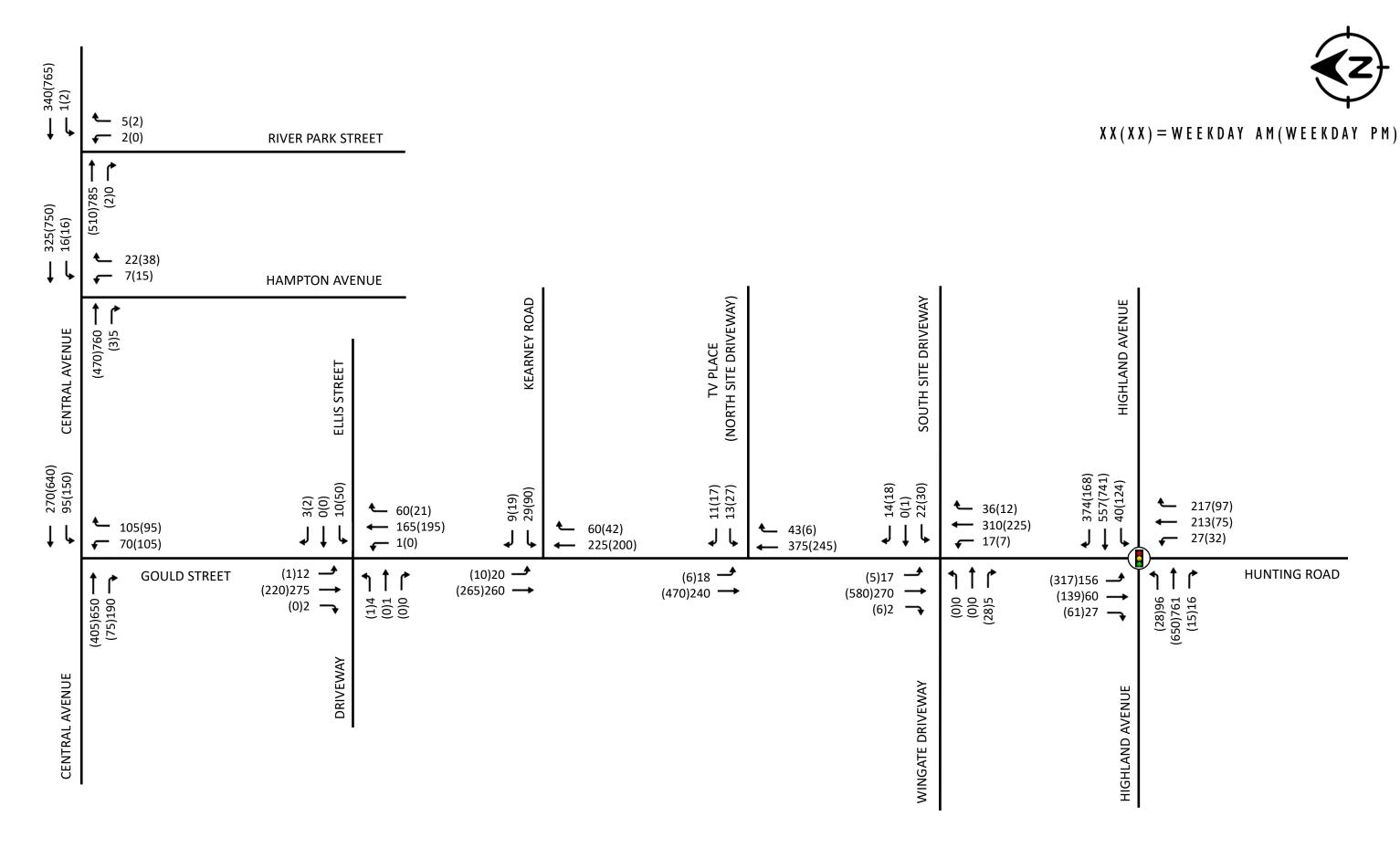




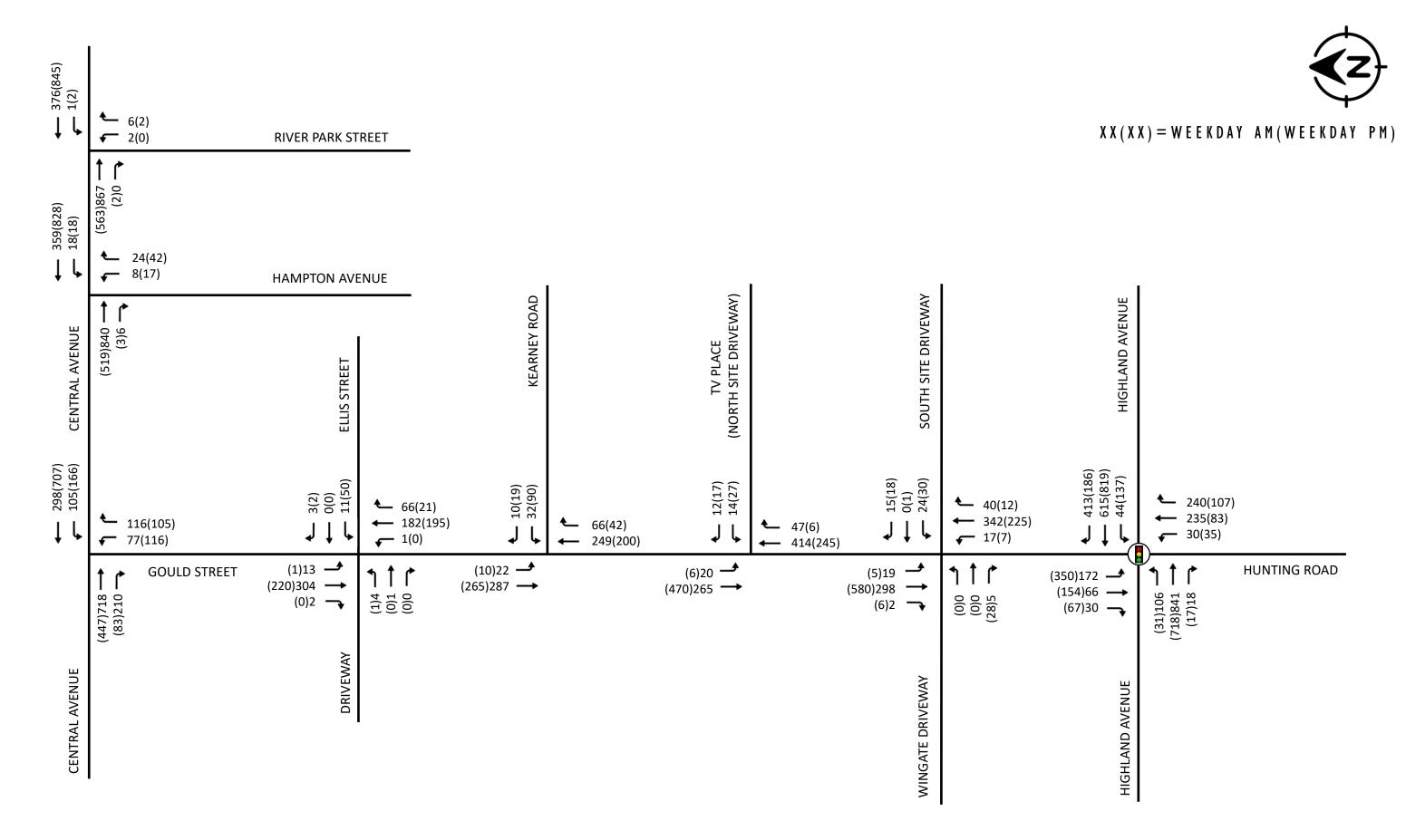














	Total Trips				External Trips				
Time Period / Direction	Corporate Office Trips	R&D Trips	Retail Trips	Total Trips	Total External Trips	Existing Trips	Pass-By Trips	New Primary Trips	
Weekday Daily	2,730	3,972	7,184	13,886	10,402		1,414	8,988	
Weekend AM	Weekend AM Peak Hour								
Enter	458	271	135	864	766	126	15	625	
Exit	35	56	82	173	75	65	15	-5	
Total	493	327	217	1,037	841	191	30	620	
Weekday PM Peak Hour									
Enter	49	63	317	429	239	33	80	126	
Exit	440	333	343	1,116	926	103	80	743	
Total	489	396	660	1,545	1,165	136	160	869	



	Build Option A (No Residential)			Build Option B (with Residential)			Net Difference		
Time Period / Direction	Total Trips	Pass-By Trips	New Primary Trips	Total Trips	Pass-By Trips	New Primary Trips	Total Trips	Pass-By Trips	New Primary Trips
Weekday Daily	10,402	1,414	8,988	8,064	988	7,066	-2,338	-416	-1,922
Weekend AM	Peak Ho	ur							
Enter	766	15	751	597	15	582	-169	0	-169
Exit	75	15	60	115	15	100	40	0	40
Total	841	30	811	712	30	682	-129	0	-129
Weekday PM Peak Hour									
Enter	239	80	159	200	56	144	-39	-24	-15
Exit	926	80	846	673	56	617	-253	-24	-229
Total	1,165	160	1,005	873	112	761	-292	-48	-244



