

April 26, 2021

**BY EMAIL**

David Consolati, Chairman  
Lee Selectboard  
c/o Chris Brittain ,Town Clerk

Town of Lee  
32 Main St,  
Lee, MA 01238

RE: Forest Wilde Special Permit Application

Dear Chairman Consolati and Members of the Board,

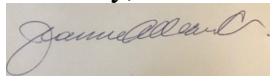
Forest Wilde, LLC (Forest Wilde) is submitting information regarding the Special Permit application for an Adult - Use Marijuana Retailer and Adult - Use Product Manufacturer at 635 Laurel Street in Lee, Massachusetts. The documents enclosed do not modify the existing application but rather provide further context and clarification of the previously submitted materials, as well as the Site Plan as approved by the Planning Board during the Planning Board Site Plan Review process.

Enclosed is the following:

1. Site Plan and Renderings – As Approved during the Planning Board Site Plan Review
2. Technical Traffic Memorandum
3. Current Truck Delivery Schedule for Cork N' Hearth
4. Manufacturer Odor Memorandum

Please do not hesitate to reach out if you have any questions in regard to the materials enclosed.

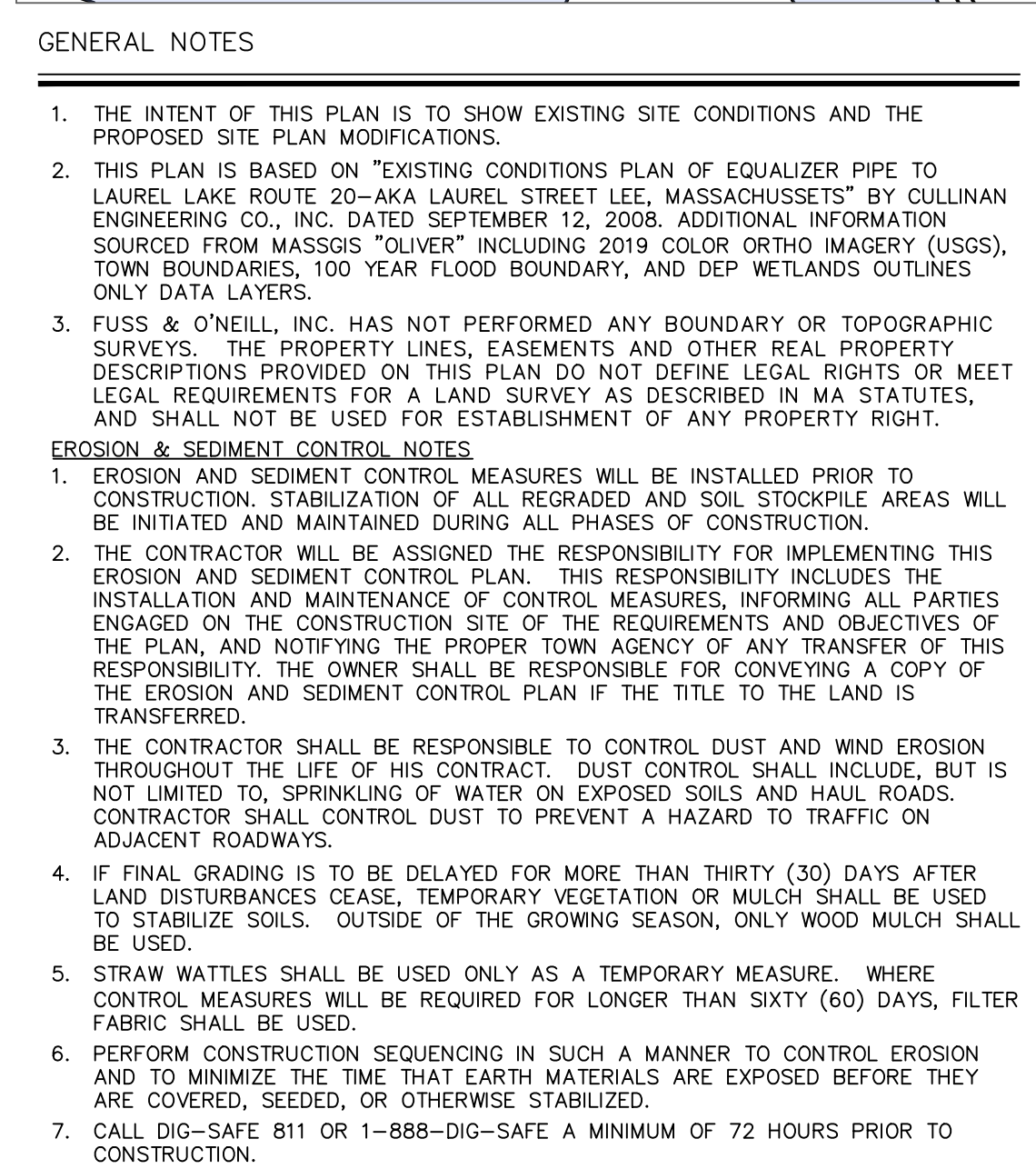
Sincerely,

A handwritten signature in cursive script, appearing to read "Jeanne Albano Carmichael", written in dark ink on a light-colored background.

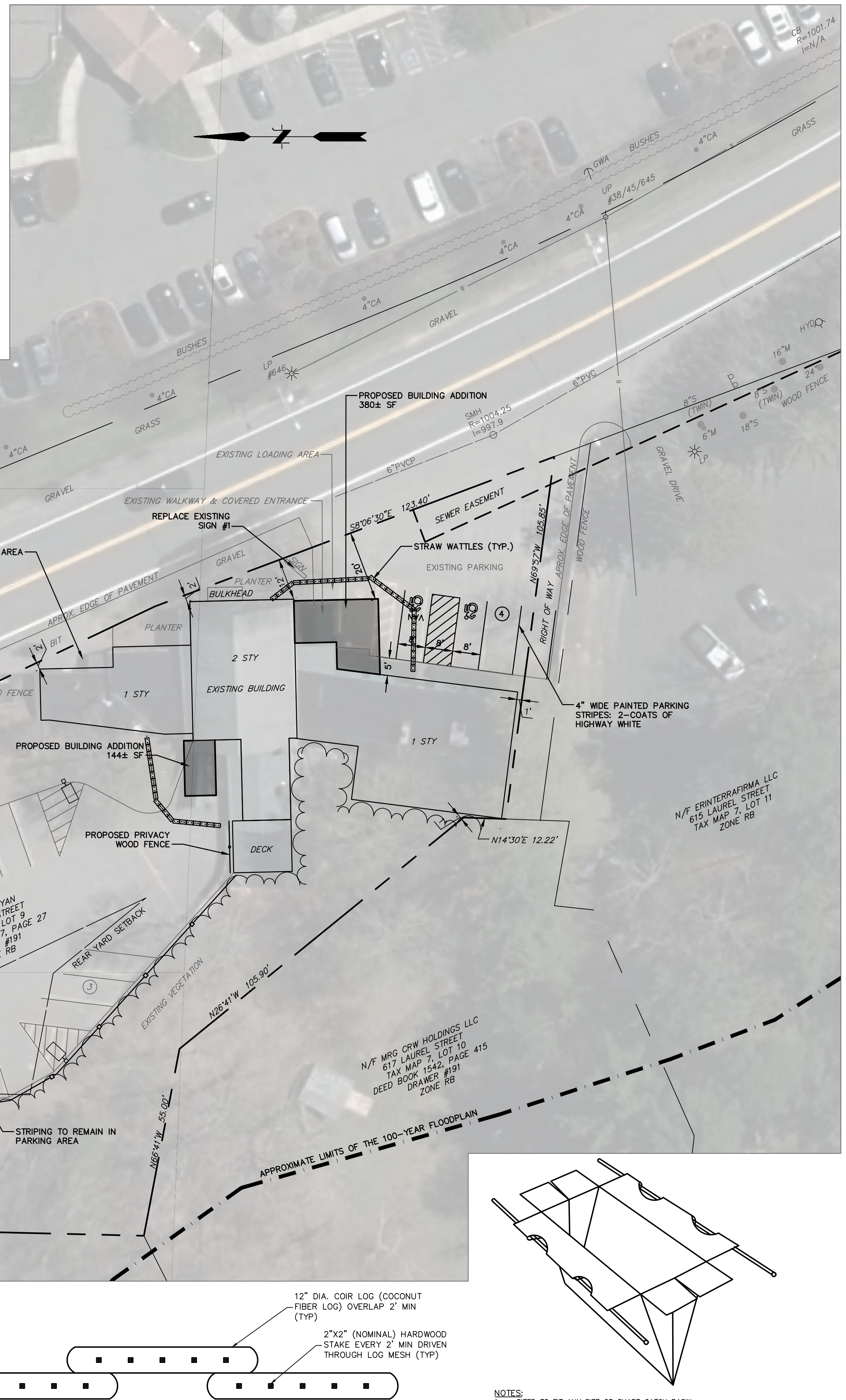
Jeanne Albano Carmichael  
Forest Wilde, LLC

# Site Plan and Renderings – As Approved during the Planning Board Site Plan Review





	REQUIRED	EXISTING	PROPOSED
LOT SIZE (SF)	40,000	45,144	NO CHANGE
INDIVIDUAL FRONTAGE (FT)	200	520 ±	NO CHANGE
FRONT YARD SETBACK (FT)	75	1±	NO CHANGE
SIDE YARD SETBACK (FT)	25	N/A	N/A
REAR SETBACK (FT)	40	1±	NO CHANGE
USE	--	RESTAURANT	MARIJUANA CULTIVATION & DISPENSARY
BUILDING FOOTPRINT (SF)	--	4,556±	5,080 ±
MAX BUILDING HEIGHT (FT)	35' (2.5 STORIES)	32± (2 STORIES)	NO CHANGE
MAX BUILDING COVERAGE (%)	25	10.1	11.2
OFF STREET PARKING	N/A	48	46

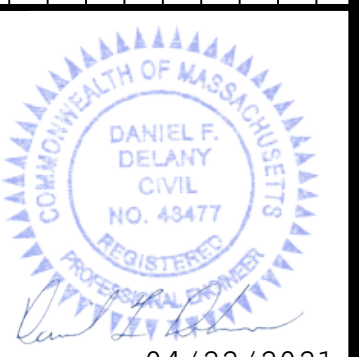


**NOTES:**

1. SIZED TO FIT ANY SIZE OR SHAPE CATCH BASIN.
2. ALL SEAMS DOUBLE STITCHED.
3. PERMEABILITY - REGULAR FLOW SILTSACK - 40 gal./min./sq. ft.  
HI - FLOW SILTSACK - 200 gal./min./sq. ft.

CATCH BASIN SILT SACK  
SCALE: N.T.S.

PERMITTING PLAN - NOT FOR CONSTRUCTION

[illegible]

**FUSS & O'NEILL**  
1550 MAIN STREET, SUITE 400  
SPRINGFIELD, MA 01103  
413.452.0445  
[www.fando.com](http://www.fando.com)

LEE  
FOREST WILDE, LLC  
MASSACHUSETTS

PROJ. No.: 20191372.A10  
DATE: 01/04/2021

SP-01



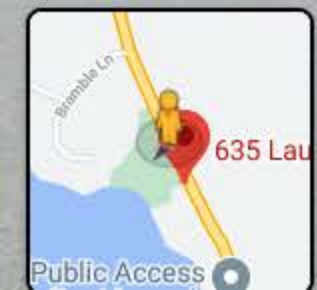






PROPOSED FENCING ALONG REAR PARKING LOT







# Technical Traffic Memorandum

## TECHNICAL MEMORANDUM

**TO:** Cassandra Purdy & Jeanne Albano Carmichael  
Forest Wilde, LLC

**FROM:** Matthew W. Skelly, PE, PTOE  
Katherine O'Shea, EIT

**DATE:** April 16, 2021

**RE:** Supplementary Traffic Assessment  
Forest Wilde, LLC – 635 Laurel Street, Lee, MA  
Fuss & O'Neill Reference No. 20191372.A10

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This memorandum has been completed on behalf of Forest Wilde, LLC to supplement our traffic review letter dated July 8, 2020, in response to comments raised during the permitting process.

### Executive Summary

Analysis of driveway operations and MassDOT standard volume warrants for left turn lanes indicates that safe and efficient operations will be provided and turning activity at the site driveway will have such a low probability of blocking through movements that consideration of constructing a left turn lane is not justified.

### Traffic Volumes

Massachusetts Department of Transportation (MassDOT) maintains a permanent traffic count station located on Laurel Street (Route 20) at the Lee/Lenox municipal line, identified by location ID 1066. For the original analysis, the most recent available volumes, collected June 26, 2018, were increased with an annual growth rate of one percent to establish a Build and No-build condition for an analysis year of 2027. The volumes collected in June 2018 are approximately 18 percent higher than the average counts for the year of 2018 and thus were considered conservative, and in keeping with MassDOT Traffic Impact Assessment (TIA) standards.

Available MassDOT data indicates traffic volumes during the month August to be approximately 31 percent higher than average. In order to assess the development's traffic impact under absolute peak conditions, the count data from June of 2018 was increased by 13 percent and grown to the 2027 analysis year using a one percent annual growth factor for the purposes of this memorandum, which is significantly more conservative than the MassDOT TIA standard.

Using the count data grown to the August volumes, during the morning peak hour the northbound left turn at the site driveway is expected to operate at a level of service (LOS) A, and experience approximately



Ms. Purdy & Ms. Carmichael

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nine seconds of delay per vehicle on average. The eastbound approach from the site driveway is expected to operate at LOS C, and experience approximately 17 seconds of delay per vehicle on average.

During the afternoon peak hour, the northbound left turn is expected to operate at LOS A and experience approximately nine seconds of delay per vehicle on average. The eastbound approach is expected to operate at LOS D and experience approximately 27 seconds of delay per vehicle on average.

Queues are not anticipated to be more than one vehicle length on any given approach, and the eastbound approach queues (exiting the site) do not impact operations in the parking lot.

### **Left Turn Lane Analysis**

In order to evaluate the justification for an auxiliary left turn treatment on Route 20 at its intersection with the site driveway, a left turn lane analysis was performed in accordance with the MassDOT 2006 Project Development and Design Guide (PDDG). Such an analysis is based on the roadway design speed, the advancing and opposing traffic volumes, and the percentage of left turns.

The analysis volumes are summarized in the following Table 1.

**Table 1 – Peak Hour Left Turn Lane Analysis Volumes**

<b>Peak Hour</b>	<b>Northbound Traffic (Advancing)</b>	<b>Southbound Traffic (Opposing)</b>	<b>Northbound Left Turns</b>	<b>Percentage of Left Turns</b>
AM	387	348	9	2.3%
PM	422	476	15	3.6%

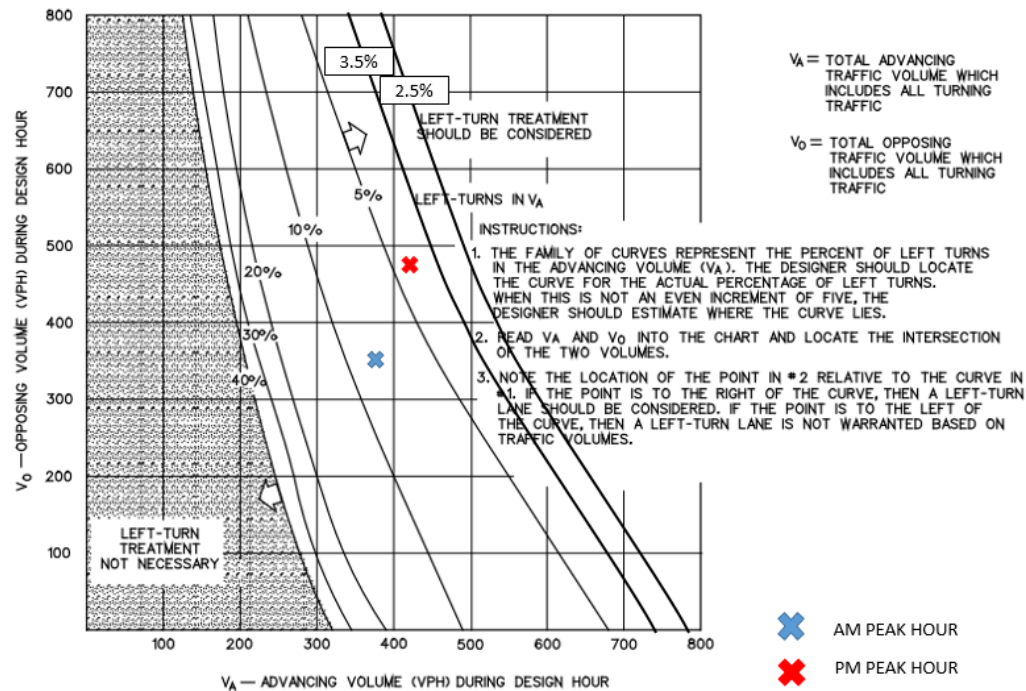
Volume thresholds for a roadway with a design speed of 50 miles per hour are summarized graphically in the following Figure 1.



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**Figure 1—Volume Guidelines for an Auxiliary Left Turn Lane at an Unsignalized Intersection on a 2-Lane Highway (50 mph Design Speed)**

The advancing and opposing volumes fail to meet the requirements for a left turn lane to even be considered during both the morning and afternoon peak hours, therefore an auxiliary left turn lane is not justified at this intersection.

In addition, at the point where Route 20 would need to be widened for the left turn lane and transition areas over a distance of several hundred feet, space within the State Highway Layout is insufficient to construct the widening without undue private property and environmental impacts.

### Trip Generation

As stated in the traffic review letter dated July 8, 2020, according to the Institute of Transportation Engineers (ITE) publication *Trip Generation*, 10th edition, 2017, the prior restaurant would be expected to generate a total of 45 trips during the afternoon peak hour of traffic, and the proposed development would be expected to generate a total of 61 trips during the afternoon peak hour of traffic.

The proposed development would be expected to generate only 16 additional trips during the afternoon peak hour. Each customer generates two trips (one arriving and one exiting), so these 16 additional trips mean a total of eight additional vehicles to the site. Based on the anticipated trip distribution, only four of these vehicles are expected to turn left into the site from the south, resulting in one additional left turn



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every 15 minutes during the peak hour. Such an insignificant change in left turn traffic further discourages the implementation of a left turn lane.

### **Conclusions and Recommendations**

Auxiliary left turn lane analysis for the intersection of Route 20 and the site driveway indicates that under normal traffic conditions no such turn treatment is required on Route 20. Furthermore, the proposed development is expected to generate only four more left turns into the site during the peak hour than the existing restaurant.

Capacity and queue analyses with traffic volumes adjusted to reflect absolute peak seasonal demand reveal no operational deficiencies. The volumes used to calculate the analysis are only likely to occur on about five percent of the days during the year, and even on those days, the analysis indicates that the development will not have a significant impact on traffic operations.

Consequently, based on the results of the previously submitted traffic review letter, as well as the foregoing analysis, it remains the professional opinion of Fuss & O'Neill that the proposed development at 635 Laurel Street will have no significant impact on traffic operations within the study area.

Attachments: Capacity Analysis Worksheets






# Lanes, Volumes, Timings

## 1: Route 20 (Laurel Street) & Site Driveway

04/01/2021



Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	7	7	9	522	467	9
Future Volume (vph)	7	7	9	522	467	9
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.932				0.997	
Flt Protected	0.976			0.999		
Satd. Flow (prot)	1694	0	0	1861	1857	0
Flt Permitted	0.976			0.999		
Satd. Flow (perm)	1694	0	0	1861	1857	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	461			372	341	
Travel Time (s)	10.5			8.5	7.8	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Shared Lane Traffic (%)						
Lane Group Flow (vph)	16	0	0	577	518	0
Sign Control	Stop			Free	Free	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	44.7%			ICU Level of Service A		
Analysis Period (min)	15					






# HCM 6th TWSC

## 1: Route 20 (Laurel Street) & Site Driveway

04/01/2021

### Intersection

Int Delay, s/veh 0.3

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	7	7	9	522	467	9
Future Vol, veh/h	7	7	9	522	467	9
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	8	8	10	567	508	10

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	1100	513	518
Stage 1	513	-	-
Stage 2	587	-	-
Critical Hdwy	6.42	6.22	4.12
Critical Hdwy Stg 1	5.42	-	-
Critical Hdwy Stg 2	5.42	-	-
Follow-up Hdwy	3.518	3.318	2.218
Pot Cap-1 Maneuver	235	561	1048
Stage 1	601	-	-
Stage 2	556	-	-
Platoon blocked, %			
Mov Cap-1 Maneuver	232	561	1048
Mov Cap-2 Maneuver	232	-	-
Stage 1	593	-	-
Stage 2	556	-	-

Approach	EB	NB	SB
HCM Control Delay, s	16.5	0.1	0
HCM LOS	C		










Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1048	-	328	-	-
HCM Lane V/C Ratio	0.009	-	0.046	-	-
HCM Control Delay (s)	8.5	0	16.5	-	-
HCM Lane LOS	A	A	C	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-






Lanes, Volumes, Timings  
1: Route 20 (Laurel Street) & Site Driveway

2027 PM Build Condition

04/01/2021

						
Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Volume (vph)	16	15	15	628	711	15
Future Volume (vph)	16	15	15	628	711	15
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt	0.935				0.997	
Flt Protected	0.975			0.999		
Satd. Flow (prot)	1698	0	0	1861	1857	0
Flt Permitted	0.975			0.999		
Satd. Flow (perm)	1698	0	0	1861	1857	0
Link Speed (mph)	30			30	30	
Link Distance (ft)	461			372	341	
Travel Time (s)	10.5			8.5	7.8	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Shared Lane Traffic (%)						
Lane Group Flow (vph)	33	0	0	699	789	0
Sign Control	Stop			Free	Free	
Intersection Summary						
Area Type:	Other					
Control Type: Unsignalized						
Intersection Capacity Utilization 55.1%				ICU Level of Service B		
Analysis Period (min) 15						



Intersection						
Int Delay, s/veh	0.7					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	16	15	15	628	711	15
Future Vol, veh/h	16	15	15	628	711	15
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	17	16	16	683	773	16
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1496	781	789	0	-	0
Stage 1	781	-	-	-	-	-
Stage 2	715	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	135	395	831	-	-	-
Stage 1	451	-	-	-	-	-
Stage 2	485	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	131	395	831	-	-	-
Mov Cap-2 Maneuver	131	-	-	-	-	-
Stage 1	437	-	-	-	-	-
Stage 2	485	-	-	-	-	-
Approach	EB	NB		SB		
HCM Control Delay, s	27.4	0.2		0		
HCM LOS	D					
Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR	
Capacity (veh/h)	831	-	194	-	-	
HCM Lane V/C Ratio	0.02	-	0.174	-	-	
HCM Control Delay (s)	9.4	0	27.4	-	-	
HCM Lane LOS	A	A	D	-	-	
HCM 95th %tile Q(veh)	0.1	-	0.6	-	-	



# Current Truck Delivery Schedule for Cork N' Hearth



Members of the Lee Select Board  
Town of Lee  
Lee, MA 01238


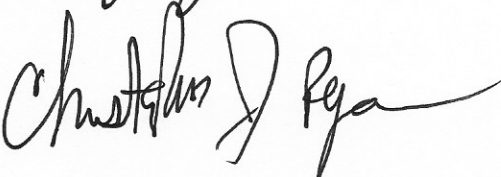
We are the current owners of the Cork 'N Hearth restaurant located at 635 Laurel St. We have owned the property and operated the business since March 18, 1997. The following outline is a typical week of truck activity that may vary depending on the time of year.

Masses Seafood	Tuesday, Thursday and Saturday	seafood
Arnold's	Tuesday	meats and misc food items
Driscoll's Food Co	Tuesday, Thursday and Saturday	produce
Ginsberg Food Co	Tuesday, Thursday and Friday	misc food items
PFG Food Co	Tuesday, Wednesday and Friday	misc food items
CT Brigham	Tuesday and Friday	paper products
Aladco	Monday and Thursday	linen
Girardi	Wednesday and Friday	beer
Commercial Distrib	Wednesday and Friday	beer
Berk Brewing Co	Thursday	beer
MS Walker	Tuesday and Thursday	wine and spirits
Boston Wine Co	Tuesday and Thursday	wine
Martignetti	Tuesday and Thursday	wine and spirits
United Liquors	Tuesday and Thursday	spirits
Horizon Beverage	Tuesday and Thursday	wine and spirits
Casella Trucking	Monday	trash removal

Trucking activity occurs between 7:00 am and 5:00 pm. Companies have parked their trucks in our front parking lot, our upstairs parking lot and along Route 20 near our kitchen door to make their deliveries. In our 24 + years at this location, there has never been an accident resulting in any of our deliveries. Furthermore, no company has refused to deliver because of entering and exiting issues.

We thank you for your time and service.

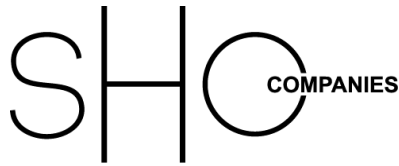
Sincerely,  
Jasmine and Chris Ryan  
635 Laurel St  
Lee, MA 01238

  
  
4/7/21  
4/7/21



# Manufacturer Odor Memorandum





SHO Companies is the largest manufacturer and supplier of solventless extraction equipment in the world. We produce and sell the equipment required for solventless extraction, we consult on dozens of labs nationwide and operate our own licensed cannabis manufacturing facilities in California as well as the country of Colombia. When consulting and setting up labs across the country, we often advise on compliance with local and state officials regarding building design and matters such as ventilation and odor mitigation. There are no requirements for charcoal filters or specialized extraction fans for solventless labs because it is generally understood that the process is not odiferous.

Most “cannabis manufacturing” facilities use hazardous chemicals like butane, propane, pentane and ethanol to extract the oils from the cannabis plant. These labs require blast proof walls and specialized extraction fans to remove the potentially explosive gasses out of the space.

Forest Wilde will be utilizing a completely solventless extraction method in their cannabis manufacturing space. ABSOLUTELY NO CHEMICALS WILL BE USED IN THE MANUFACTURING OF CANNABIS GOODS. Solventless extraction uses *only* ice, water and agitation to separate the oils from the cannabis plant material. Unlike solvent based extraction, solventless extraction mechanically separates the desired oils rather than chemically separating them. The plant material containing the fragrant oils are held at very cold temperatures rendering them virtually odorless during processing. It is a safer, more natural and gentler extraction method that creates absolutely no hazardous conditions of any kind during processing, and NO ODOR.

We understand that the plan for Forest Wilde’s manufacturing lab includes an agreement to install charcoal filters to mitigate any potential odor issues in the unlikely event that they occur. As professional lab designers, this is a measure that we would not generally suggest to clients nor have we ever seen required by authorities in other states in the past for this type of manufacturing. But this is a more than adequate “above and beyond” measure to be sure there will be no issues.

**Benjamin McCabe, Director of Manufacturing, SHO Companies**

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#TEAMSHO

[shocompanies.com](https://shocompanies.com)

833-teamSHO (833-832-6746)

1602 Lockness Pl. Torrance, CA 90501