[EXTERNAL EMAIL] OPRA Assignment OPRA-Req-24-1412.1

From: jmccallum@teanecknj.gov
To: mbocchino@teanecknj.gov

Date: 9/24/2024 9:30 AM

OPRA-Reg-24-1412

Date Received: 9/24/2024

Status: Received

Applicant: Charles W Powers

Information Requested: This is, a formal request under NJ's Open Public Record Act (OPRA) for a copy of the public records are copies of the site plan application and related materials (including the reports from the Township's departments and experts) that have been submitted to the Township in furtherance of an applicant's application for site plan approv al of cannabis facilities proposed to be located at 455 Alfred Avenue in Teaneck. These documents are cited in the notice of a Planning Board hearing that appeared in the Bergen Record on September 16, 2024 - and are cited on the NJ Public Notice website.

My preference is that your response to this OPRA request be transmitted to me as an attachment to an email sent to me at the same email address from which I am sending this emailed request and is also found at the bottom of this email. If you prefer to provide it in hard copy, I am happy to reimburse the Township for it and to pick it up from your office in the municipal building when you inform me it is ready.

OPRA-Req-24-1412.1 Date Assigned: 9/24/2024

Status: Received

Directive:

Response:

SDL Portal page for OPRA Request

Spatial Data Logic 2024



Teaneck Township
ZONING OFFICER
818 TEANECK ROAD
TEANECK, NJ 07666
(201) 837-1600 FAX(201) 837-4802
DMELFI@TEANECKNJ.GOV

Application Date: 8/22/2023
Application Number: 20230518
Permit Number: Project Number: \$350

PB2024-04A

Denial of Application

Date: 2/28/2024

To: NUTRA LEAF LLC 455 ALFRED AVENUE TEANECK, NJ 07666 CC: APP TELE:(973) 262-2350
APP EMAIL:JALMONTE@MEDEROSLAWGROUP.COM

RE: 455 ALFRED AVE C-1

BLOCK: 6002 LOT: 5 QUAL: ZONE: LI

DEAR NUTRA LEAF LLC,

RETAIL MICRO DISPENSARY FOR THE SALE OF CANNABIS PRODUCTS,

REVISED PLANS SUBMITTED 11-28-23 REVISED BUILDING PLANS SUBMITTED 2-7-24 REVISED SITE PLAN SUMITTED 2-9-24. REVISED PLAN RESUBMITTE 2-27-24.

FYI: There are 2 applications to be heard at the same time. They are both dependent on each other.

Planning Board approval required.

33-17 Site plan approval is required.

Testimony to be provided in regards to odor control, noise, security, and lighting.

FYI The property is in 2 towns and may require additional approvals.

33-28(b)3 Parking
Proposed parkings is for 10 vehicles / complete tenant fenced in area.
Required parking is for 8 vehicles.

FYI: The parking requirement for both tenants is 20 spaces.

There is currently no delineration / serarate parking for the whole site. The parking requirement for the whole site is 79 spaces / site plan.

PARKING TESTIMONY IS REQUIRED IN REGARDS TO THE WHOLE SITE.

SUBMITTAL OF ANY NEW DOCUMENTS MAY REQUIRE ADDITIONAL VARIANCES OR WAIVERS

Sincerely,

DAN MELFI, ZONING OFFICIAL

PB 2024 # 04 A

10.

Form T-13
DO NOT WRITE IN THIS SPACE FILED:
Lot 05 Block 6002 Tax Map Sheet 60
Street Address 455 AL Fred AVE
Name of Applicant T-Verde, LLC
Address of Applicant 455 ALFRED AVR. TEAHECK, NJ
APPEAL FOR VARIANCE FROM CERTAIN PROVISIONS OF THE ZONING ORDINANCE
1. Name of Owner <u>EAStern</u> <u>Ware house</u> <u>Pealty Inc.</u> (If different from applicant)* (If a corporation, furnish name of president or secretary)
2. Address of Owner 455 ALFred Ave, Teaneck NJ 07666
3. Dimensions of subject premises 384.24 51de , 350.22 (CAT , 177.82, 435.55 Ft.
4. Area of subject premises 92, 155.21 SEE Survey Sq. Ft.
5. Area of existing structures to remain on subject premises 64, 409.34 Sq. Ft.
6. Area of proposes structures FListing Structure remain partial Render Ft. Change
7. Total area of subject premises to be occupied by structures 64, 409.34 Sq. Ft.
8. Percentage of subject premises to be occupied by structures 69.89% Percent
9. Zone in which premises are located L-I, Light Industry, / (ANNA bis Zone
10. State whether there have been any previous development applications involving these premises (variance, subdivision, site plan, other) YesNoNo
a) Nature of application CANNADIS CULTIVATION + MANY PACUNE CANNADIS
b) Date of Decision 2-28-24
c) Disposition Planning board Approval Require
1. State whether there are any covenants or easements imposed by the Township of Teaneck, or imposed

11. 3 by other governmental agencies, or relating to utilities. Attach a copy of any such covenants, deed/restrictions, exceptions or easements. The granting of this application does not modify or restrict any

*If applicant is not the owner, Owner Authorization Form

TOWNSHIP OF TEANECK

property which is the subject of this application:	
Yes No	
APPLICATION IS HEREBY MADE TO THE BOARD OF ADJUSTMENT/ PLANNING BOARD FOR VARIANCE RELIEF AS FOLLOWS:	
The applicant hereby request permission to (circle whichever applies) erect, after, move, convertuse— a CANNAGIS CULTIVATION & MANUFACTURE contrary to the requirement of Sections 33-17 (A) 3-28 (b) (3) PACK IN	<i>,</i>
contrary to the requirement of Sections 33-14 (A) 5 26 (b)(3) PATEN	ל
of the Tenneck Zoning Ordinance 1811, as amended and supplemented, upon the premises know as USS ALFred Ave Block 6002 Lot 05 Street and Number	
The proposed building or structure or use is contrary to the ordinance in the following particulars: State Specifically,	
specifically) 1. Planing board legured 2.	
4	
5	
6.	
State whether the Construction Official/Administrative Officer has examined the application for the proposed uses and refused a certificate of occupancy/use.	
YesNo	
State whether the Construction Official/Administrative Officer has examined the plans for the proposed building permit.	
YesNo	
Date of denial by Construction Official/Administrative Officer	
I hereby certify that the foregoing statements are true to the best of my knowledge and belief:	
Dated:	

TOWNSHIP OF TEANECK

DO NOT WRITE IN THIS SPACE

Filed 5 / 4 2024 45 Days from Filing 20

		r		
APPLIC	CATION FOR APPRO	VAL OF FINAL SIT	<u>e plan</u>	•
Application is hereby made to Teaneck for approval of final accompanying maps and docu	site plan of the major			
Lot	Block	6002	Tax Map Sheet	60
Street Address 450				
The above premises are o	wned by <u>EAS</u>	fern wo	rehouse R	really INC.
Whose address is 45	J Alfred v	We. Tean	eck, NJO	7666
1. Applicant's Name //	itra Lea	f, LLC		
Address 455 ALF	ired Ave	/ Phone _	973-26	1-2350
suite-C1	, Teanech	ZN , . S	07666	· · · · · · · · · · · · · · · · · · ·
2. Name and address of prese	nt owner (If other tha	n above)		
Name 455 A	Fred Ave	LLC -	C/o Jay	Almonte
Name 455 Ac Address 30 Rc	obert ST	North	HALE dow,	NJ 07508
•	, 			,
3. Amount of Performance Gu	ıarantee \$			
4. Accompanying this Applica	tion is Final Site Plan	Prepared by	41 NON P	han
P.E., C.M.E, M				
Surveyor of New Jersey draw		•	~	
Teaneck Township Code.				-
5. Date of Preliminary Approva	ւ1			
	age 1 of 2	((OVER)	

Form T-19
I hereby certify that the following statements are true, to the best of my knowledge, information and belief.
** If applicant is not the owner, Owner Authorization Form must be completed by owner and the submitted herewith.

•

Form T-19	IA()
I hereby certify that the following statements are true, to the best of my knowledge, information and belief.	Signature of Applicant*
** If applicant is not the owner, Owner Authorization Form must be completed by owner and the submitted herewith,	455 ALFred Ave Address of Applicant requeck, NJ 973 - 261 - 2350 Telephone Number of Applicant
	If represented by an Attorney (ito A. Mederos, ESG. Attorney's Name
	5833 John F. Kemdy Dhd Attorney's Address N. Bergen, NJ 07047 201-758-5700 Attorney's Telephone Number
Filing Date	
Hearing Date	
Disposition Date	•
Fee Receipt No.	

Filing Date		
Hearing Date	<u> </u>	
Disposition Date _		
Fee Receipt No.		

TOWNSHIP OF TEANECK SITE PLAN CHECKLIST

Name of Applicant: Nutra Leat Dev	elopment Name:	
Plan Prepared By:	elopment Name: Latest Rey. Date:	
DATE: X = Completed; W = Walver Requested; N/A = Not	Applicable	
First blank to be checked by applicant or applicant's		
Second blank to be cheeked by Township Engineer (T)	
L DAGINIOMD LIMON (AND DECORPOURDE	,	
ADMINISTRATION AND PROCEDURES:	1 m	
A T 22 prints of Plan	A T	
1 Application Form	Escrow Fund: \$ 3 copies covenants, d	igade Caramanta
Mea Pold &	2 copies drainage cal	louistions
řee Paid \$ Owner's Authorization Form	2 copies sail erosion	& sediment control
Child assembliantal Later	data	Co account (Cons) (c
Taxes Pald to Date: / /		ict Statement
Affidavit of Publication from	Environmental Impa Names/Address of St	tockholders/Partners
Official Newspaper	(10% Interest or man	e)
Affidayit of Proof of Survice	Variance Application	n Form (if required)
with Notice Form & P. O. Receipts	Copy of Plan to Cour	nty Planning Board
PLAN DETAILS: (Applicant may request Approving Author		
A T	Existing Natural Featuress	
Clearly and legibly drawn	A T	
Graphics scale 1"-50" (Min.)	Soil Types	
North Arrow on Plat	Rock Outeroppings	
Key Map within 1,000 fees w/North Arrow	Slopes Over 20%	
Certified boundary survey including distances	Wooded Areas	
measured along right-of-way lines of existing	Other	
streets abuiling property, to nearest intersection		
Sheet size: 30x42, 24x36, 15x21	Other Peatures:	
Elevations with exterior facade specs	Existing:	Proposed:
Existing and proposed contours with at least 5 ft	tStreets*	
intervals, based on U. S. Coast & Geodetic Surve		
Area to nearest 0.1 acre	Bldg, setback lines	
Existing structures to be demolished Each lot line dimension to nearest 0.01 sq. ft.	Railroad right-of-way*	
Dimensions of properties within 200 ft.	Public essements	
Lot area to nearest 0.01 ft.	Fonces and walls	
Approx. grading plan, if elevations changed	Wntorcourses* Bridges*	
more than 2 feet	Culyeris*	
mole man a test	Land to be dedicated	
	Signage	
•	*These require spot elevations	
<u> Title Block:</u>	Off-tract Improvements:	
Name of Development/Applicant	Streets	
Block and Lot Numbers & Zoning District	Storm drains and/or sanitary	selyers
Preparation & Revision Dates	Other	
Person(s) preparing plan with scal, lic.#, signatur	re Proposed Sewer & Utility Layouts	u.
	Water	-
Zoning Table:	Sanilary Sewer	
Set forth comparison of ordinance and proposed	Telephone & Cable T. V.	
development with respect to area, width and depth	Pore tests and soil logs	
of lots; yard dimensions; holght; floor area ratios;	Storm Drains	
lot coverage; building coverage; on-site parking	Gas	
	Electricity	
	Other	
Continued on reverse side)	All systems underground Dry sanilary sewer line	
	well assumed dalited mine	

REQUIRED LEGENDS:

Approved by the Planning Board/Zoning Board	ard of Adjustment of the Township of Teaucck, N. J.
Date	Chairperson
It is harshy cartified that this site play meets	Secretary all codes and ordinances under my jurisdiction.
tt is tier spå certiven that this site half meets	an codes and ordinances dance my jurisdiction,
Date	Township Englucer
Date	Construction Official
It is hereby certified that all required improve guarantee has been posted in accordance with Date	ements have been installed or that a performance in municipal ordinances. Construction Official
Date	Township Engineer
It is hereby certified that tax payments are cu	rrent.
Date	Tax Collector
CERTIFICATE	OF COMPLETENESS
This is to certify the completeness of the above	referenced development application.
Date	Township Engineer

TOWNSHIP OF TEANECK

Form T-10

Form T-10	DO NOT WRITE IN THIS SPACE Filed 5-14 20 7.4
File Number 202 30518	Filed
	(more than 10 acres)
SITE PLAN APPLICATION/DISPO SITE PLAN REVIEW ADV (Submit with required fco and	TISORY BOARD 6 copies of site plan a site plan checklist) C Phone # 973-262-2350
3. If subject premises is owned by a corporation, furnish	name of president and secretary
4. Existing New Expansion	onAlternation
5. Zone LT Estimated Cost Estima	
6. What is building or site used for now? Light	Industrial STOrage
7. What is proposed to be done Micro - Refe	uil Dispensary
8. Describe what is proposed to be done _ Micro	retail CANNAbis
Dispensury, Total SpA	ce is 2,500 SgPT
9. Are there any deed restrictions, covenants, exceptions, Yes No	
Yes No Yes If "yes", a copy of such covenants, deed restrictions, e submitted	// .
with the application. The granting of a subdivision do provisions.	es not modify or rescind any such
Date 5 13 24 Signature of Applicant	Mout Div

To Be Completed By Site Plan Review Advisory Board

10,	Recommended for approval without conditions
	Recommended for denial for the following reasons:
	,
12.	Recommended for approval subject to the following conditions:
,	
	·
Date	of Meeting Action Taken
	•

Chairman of Site Plan Review Advisory Board

ADDITIONAL DETAILS AS REQUIRED BY SUPPLEMENT 78

In accordance with Section 33-17(c) (2) s of the Township Development Regulations the following will be required:

Proposed location, direction of illumination, power and time of proposed outdoor lighting, type of standards to be employed, radius of light and intensity in foot candles.

In accordance with Section 33-17 (c) (2) t of the Township Development Regulations the following will be required:

Proposed screening, landscaping and planting plan, indicating natural vegetation to remain and type of vegetation to be utilized. All trees which are to be removed as the result of the construction of proposed buildings and other structures on site shall be clearly designated. The applicant shall certify the necessity of the removal of the so-designated trees and why alternative locations for construction of proposed buildings and other structures are not feasible on site. Every tree at least five (5) inches in caliper shall be specifically and clearly identified.

A	$\underline{\mathbf{T}}$	
	······································	All trees 5" and over in caliper
		All trees to be removed
	L	lghting location, intensity



Teaneck Township
ZONING OFFICER
818 TEANECK ROAD
TEANECK, NJ 07666
(201) 837-1600 FAX(201) 837-4802
DMELFI@TEANECKNJ.GOV

Application Date:	8/22/2023	
Application Number:	20230519	٠.
Permit Number:		-
Project Number:		-
Fee:	\$350	

PB 2021

APP EMAIL: JALMONTE@MEDEROSLAWGROUP.COM

Denial of Application

CC: APP TELE:(973) 262-2350

Date: 2/28/2024

To: T-VERDE LLC 455 ALFRED AVENUE

TEANECK, NJ 07666

RE: 455 ALFRED AVE C-2

BLOCK: 6002 LOT; 5 QUAL: ZONE: LI

DEAR T-VERDE LLC,

LIGHT INDUSTRIAL MICRO DISPENSARY, CULITVATION, MANUFACTURING A SMALL BUISNESS WITH IN HOUSE GROWING AND MANUFACTURING CANNIBIS PRODUCTS WHICH WILL INCLUDE AN AREA TO RECEIVE SHIPMENTS, STORAGE, PACKING AND BREAK ROOM.

REVISED PLAN SUBMITTED 11-28-23.

REVISED BUILDING PLAN SUBMITTED 2-7-24.

REVISED SITE PLAN SUBMITTED 2-9-24.

REVISED RESUBMITTED 2-27-24

FYI There are 2 applications to be heard at the same time. They are both dependent on each other.

Planning Board approval is required.

33-17 (a) Site plan approval required.

Testimony to be provided in regards to odor control, noise, security, and lighting.

FYI The property is in 2 towns and may require additional approvals.

33-28(b)(3) Parking

Proposed parking is for 10 vehicles / complete tenant fenced in area. Required parking for this tenant is for 12 vehicles.

FYI The parking requirement for both tenants sharing the same lot is 20 spaces.

There is currently no delineration / serarate parking for the whole site site.. The parking requirement for the whole site is 79 spaces / site plan. The provided survey shows parking for 38 spaces.

PARKING TESTIMONY IS REQUIRED IN REGARD TO THE WHOLE SITE.

SUBMITTAL OF ANY NEW DOCUMENTS MAY REQUIRE ADDITIONAL VARIANCES OR WAIVERS

Sincerely,

DAN MELFI, XONING OFFICIAL

PB 2024 # OGB TOWNSHIP OF TEANECK

Form T-13

DO NOT WR	ITE IN THIS, SI	PACE 91/
FILED:	5-14	20
120 Days	J . (.]
from filing		20

Lot O5	Block 6002	Tax Map Sheet 60
Street Address 45	Al Fred Au	<u>e</u>
Name of Applicant	utra Leaf L	_C
Address of Applicant	55 AlFred Au	P. Tequeck NJ

APPEAL FOR VARIANCE FROM CERTAIN PROVISIONS OF THE ZONING ORDINANCE

	or rim zoning oxed march
	1. Name of Owner <u>FASTERN</u> <u>Worch ause Really Trc.</u> (If different from applicant)* (If a corporation, furnish name of president or secretary)
	2. Address of Owner 455 ALFred Ave, Tequel NJO 7666
	3. Dimensions of subject premises 384.24/(Sile), 350.22 (Rear) 277.8 Fl. 435.55
1	4. Area of subject premises 64, 409.34 SFT 92, 155.21 SEE Swey Sq. Ft.
	5. Area of existing structures to remain on subject premises 64, 409.34 Sq. Ft.
	6. Area of proposes structures Exiting Stacture Cenain Partial Reno Sq. Ft. Chyl
	7. Total area of subject premises to be occupied by structures 64, 409.34 Sq. Ft.
	3. Percentage of subject premises to be occupied by structures 69-89 % Percent
9	. Zone in which premises are located L-I, Light In Justry / CANNAbis Zone
10	0. State whether there have been any previous development applications involving these premises (variance, subdivision, site plan, other) YesNoNo
	a) Nature of application CANNA 613 Refer Use - Parking
	b) Date of Decision 2-28-24
	c) Disposition Planning board spproval Required.
11	. State whether there are any covenants or easements imposed by the Township of Teaneck, or imposed by other governmental agencies, or relating to utilities. Attach a copy of any such covenants, deed restrictions, exceptions or easements. The granting of this application does not modify or rescind any YesNoNo
*I	f applicant is not the owner, Owner Authorization Form

Form T-13 TOWNSHIP OF TEANECK

12. State whether there are any taxes or assessment property which is the subject of this application	ts for local improvements due or delinquent on the
Yes	No
APPLICATION IS HEREBY MAD	DE TO THE BOARD OF ADJUSTMENT/ ARIANCE RELIEF AS FOLLOWS:
a CANNADIS Retent	whichever applies) erect, alter, move, convert, use
contrary to the requirement of Sections 3	3-17 (A) 33-28(b)(3) PArt
of the Teaneck Zoning Ordinance 1811, as amende	ed and supplemented, upon the premises know as
455 Al Fred Ave Street and Number	Block 6002 Lot 05
The proposed building or structure or use is contra Specifically) 1. Planning board	ary to the ordinance in the following particulars: State
2	
3	
4,	
5	
6	
State whether the Construction Official/Administra proposed uses and refused a certificate of occupance	
Yes	No
State whether the Construction Official/Administra building or structure and refused building permit.	ntive Officer has examined the plans for the proposed
Yes	No
Date of denial by Construction Official/Administrat	tive Officer
I hereby certify that the foregoing statements are true to the best of my_knowledge and belief:	JA Jan
	Signature of Applicant

TOWNSHIP OF TEANECK

5. Date of Preliminary Approval

Page 1 of 2

Fil. 45 1	ed 5/4 20 Z4 Days from Filing 20
APPLICATION FOR APPROVAL OF FI	NAL SITE PLAN
Application is hereby made to the Planning Board/Board of Teaucek for approval of final site plan of the major subdivisi accompanying maps and documents:	
	Tax Map Sheet 60
Street Address 455 ALFred A	rue
The above premises are owned by EASTERN	varehouse Really Inc.
Whose address is 455 AFRED AVE	Teaneck, NJ 07664
1. Applicant's Name T- Varde, Lle	
Address 455 ALFred Ave	Phone 973-262-2350
Suite C2, Teans	CK NT 07666
2. Name and address of present owner (If other than above) Name 155 Alfred Aul, LLC	c/o Jay Almonte
Address 30 Kulsus f ST	North AAliden NJ 07509
3. Amount of Performance Guarantee \$	
4. Accompanying this Application is Final Site Plan Prepared	1 by ADNON KHAN
P.E., C.M.E MSCE-Auz	ENS in a licensed engineer and
Surveyor of New Jersey drawn in accordance with Section	of the
Teaneck Township Code.	

(OVER)

DO NOT WRITE IN THIS SPACE

Form T-19

I hereby certify that the following statements are true, to the best of my knowledge, information and belief.

** If applicant is not the owner,
Owner Authorization Form must
be completed by owner and the
submitted herewith.

Signature of Applicants 455 AlFred Aul, Tegnedk, NJ Address of Applicant 07666
473-262-2358 Telephone Number of Applicant

If represented by an Attorney
CIDA. Medros, ESa.
Attorney's Name
5833 JFK Blud, FLRZ
Attorney's Address N. Bergen, NJ 07047
201-758-5760
Attorney's Telephone Number

Filing Date	
Hearing Date	
Disposition Date	
Fee Receipt No	

everitt bet	HIP OF TEANE	at .	
Name of Applicant: Toler de 1210 p	LAN CHECICLIS	ا۸. ۱۵ ۱	- 0 ll
Name of Applicants 7-Verde ille	evelopment Nam	e ("ANNUD	is (with
Plan Prepared By:	Date:	Latest Rev. Date:	
DATE: X = Completed; W = Waiver Requested; N/A = 1	Not Applicable		
First blank to be checked by applicant or applicar	it's surveyor and	ar engineer (A)	
Second blank to be checked by Township Engineer			
	·		
ADMINISTRATION AND PROCEDURES:		_	
<u>A</u> <u>T</u>	· <u>A</u>	<u>T</u>	
22 prints of Plan		Escrow Fund: \$	
I Application Form		3 copies covenants,	deeds, easements
Fee Paid \$Oyner's Authorization Form		2 copies drainago ca 2 copies soli erosion	ECUIATIONS 2. sadiment control
Olabol, a Virtuolization Lolan		data	or requireff control
Taxas Paid to Date: / /		Environmental Imp	ant Statement
Affidayif of Publication from		Names/Address of S	tockholders/Pariners
Official Newspaper		10% interest or mor	·e)
Affidaylt of Proof of Service		(10% interest or more Yarlance Application	n Form (if required)
with Notice Form & P. O. Receipts	•	Copy of Plan to Cou	inty Planning Board
	,		
PLAN DETAILS: (Applicant may request Approving A	uthority to walve	any of following Items)	
A T		Natural Features:	
Clearly and legibly drawn	AI		
Graphics scale 1" -50" (Min.)		Soil Types	
North Arrow on Plat		Rock Outeroppings	
Key Man within 1,000 fees w/North Arrow		Slaper Over 20%	
Cerilfied boundary survey including distance	es	Wooded Areas	
measured along right-of-way lines of existing	g	Other	
streets abuiling property, to nearest intersec			
Sheet size: 30x42, 24x36, 15x21		'estures:	n ,
Elevations with exterior facade specs	Existing		Proposed:
Existing and proposed contours with at least	5 ft	Streets*	
intervals, based on U. S. Coast & Geodetic St	irvey	Buildings*	
Area to nearest 0.1 acre Existing structures to be demolished		Bidg, setback lines Raliroad right-af-way*	
Pack lat line dimension to neavest AA1 sa &		Public casoments	
Each lot line dimension to nearest 0.01 sq. ft. Dimensions of properties within 200 ft.		Fonces and walls	<u> </u>
Lot area to nearest 0.01 ff.		Watercourses*	
Approx. grading plan, if elevations changed	Bridges*	(1)(0) 604) 415	
more than 2 feet		Culyeris*	}
		Land to be dedicated	
		Signage	
•	*These re	quire spot elevations	
Title Block:	Off-trac	<u>Improvements:</u>	
Name of Development/Applicant		Streets	
Block and Lot Numbers & Zoning District		Storm drains and/or sanitar	y solyers
Preparation & Revision Dates		Other	
Person(s) preparing plan with seal, lic.#, signa		<u> Sewer & Utility Layout</u>	<u>:2</u>
		Water	
Zoning Table:		Saultary Sewer	
Set forth comparison of ordinance and proposed		Telephone & Cable T. V.	
development with respect to area, width and dep		Pere tests and soil logs	
of lots; yard dimensions; height; floor area ratio lot coverage; building coverage; on-site parking	s;	Storm Drafts Gas	
for coverage! national coverage! oursing but wirk		With a 1 of a 22 and	
		Other	
		All systems underground	
(Continued on reverse side)		Dry sanilary sewer line	

REQUIRED LEGENDS:

Approved by the Planning Board/Zoning Bo	oard of Adjustment of the Township of Teaneck, N. J.
Date	Chairperson
	Secretary
It is hereby certified that this site plan meets	s all codes and ordinances under my Jurisdiction.
Date	Township Engineer
Date	Construction Official
It is hereby certified that all required improve guarantee has been posted in accordance with the Date	vements have been installed or that a performance th municipal ordinances. Construction Official
Date	Township Engineer
It is hereby certified that tax payments are cu	arrout.
Date	Tax Collector
	OF COMPLETENESS
This is to certify the completeness of the abov	e referenced development application.
Date	Township Engineer

TOWNSHIP OF TEANECK

DO NOT WRITE IN THIS SPACE

Porm T-10

•	95 D	d	
1 2	SITE PLAN APPLICATION/DISPOSITION SITE PLAN REVIEW ADVISORY I (Submit with required fee and copi containing information listed on site plan 1. Name of applicant	BOARD ies of site plan 1 checklist)	1-2350 weck NJ
	Higo Im		
5.	4. Existing New Expansion 5. Zone L Estimated Cost Estimated Date 1. Expansion Property Prope	of Compliance	(AB.D
7.	6. What is building or site used for now? Light Inc. 7. What is proposed to be done Micro Cultivation		0
8,	8. Describe what is proposed to be done MCVO MANUSAUMING & SMALL Grow Canopy + MANUSAUL Products.	2,500 FT of ne package	
9.	9. Are there any deed restrictions, covenants, exceptions, variance Yes No No If "yes", a copy of such covenants, deed restrictions, exceptions submitted with the application. The granting of a subdivision does not me provisions.	s, variances or easements shall be	
	Date 5/14/24 Signature of Applicant	Page 1 of 2	

To Be Completed By Site Plan Review Advisory Board

Recommended for approval without conditions
Recommended for denial for the following reasons:
· ·
Recommended for approval subject to the following conditions:
•
of Meeting Action Taken
Chairman of Site Plan Review Advisory Board

ADDITIONAL DETAILS AS REQUIRED BY SUPPLEMENT 78

In accordance with Section 33-17(c) (2) s of the Township Development Regulations the following will be required:

Proposed location, direction of illumination, power and time of proposed outdoor lighting, type of standards to be employed, radius of light and intensity in foot candles.

In accordance with Section 33-17 (c) (2) t of the Township Development Regulations the following will be required:

Proposed screening, laudscaping and planting plan, indicating natural vegetation to remain and type of vegetation to be utilized. All trees which are to be removed as the result of the construction of proposed buildings and other structures on site shall be clearly designated. The applicant shall certify the necessity of the removal of the so-designated trees and why alternative locations for construction of proposed buildings and other structures are not feasible on site. Every tree at least five (5) inches in caliper shall be specifically and clearly identified.

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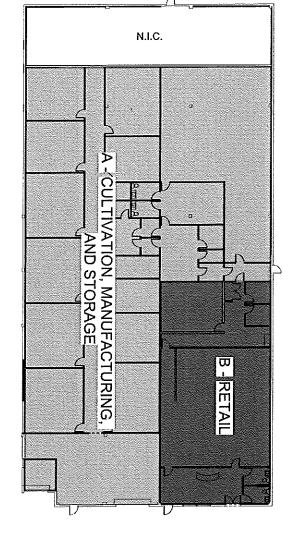
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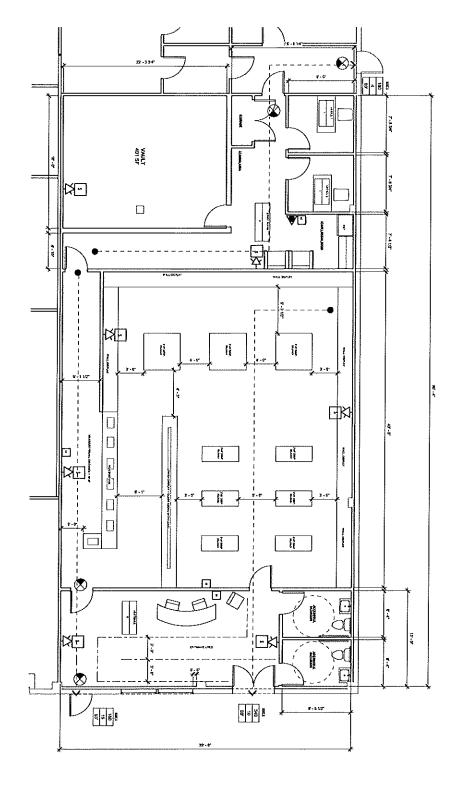
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Nutra Leaf, LLC

(Micro Retail)

455 Alfred Ave., Suite C1, Teaneck, NJ 07666

Oder Control Compliance Equipment Plan

(Teaneck Ordinance No. 29-202, Section 3 (p)(6))



The Bioclimatic system utilizes a type of ultraviolet light to dry out the fine cooking grease mist being exhausted from the kitchen hood. This action allows for a simpler filtration process and avoids the prerequisite washdown cycles that systems with precipitators require along with the ancillary equipment to support that function.

In the direction of airflow, the first air cleaning component is a grease baffle (or wire mesh filter) that knocks down the large grease particles that get past the kitchen hood. This is a washable filter that can be cleaned in a commercial dishwasher as needed. This may not require frequent service if the hood is efficiently doing its job and is included as a back-up.

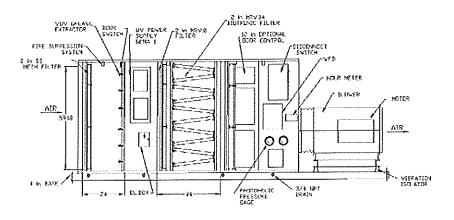
The next stage is the UV grease extractors, that do not actually extract but "prep" the small oil and grease mist for easy capture by the first stage of particulate filtration. These low pressure UV lamps have shorter wavelength than germicidal UV and do generate some ozone, frequently called vacuum UV (VUV). The combination of photolysis and ozonolysis (oxidation) acts to convert the wet mist into a dry, tacky powder.

Next is the first stage filter, a 2" MERV 11 is what we are using now. This is a relatively inexpensive item where most of the contaminant removal occurs. Replacement frequency depends on the loading but if required more often it is confirmation that the system is doing its job.

The last standard stage is a higher efficiency filter (MERV 14 minimum), and we recommend at least an 18" bag filter for this service with other types of filters available as options to suit a customer's preference.

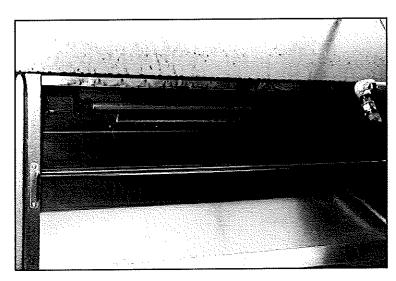
This process removes the kitchen exhaust grease and along with it most of the odor. If strict odor control is required a stage of chemical media can be added.

Bioclimatic includes a fully serviceable UL762 rated blower sized for the airflow and static pressure requirements. The unit carries an ETL label as well.

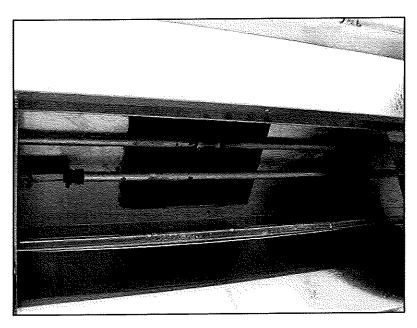


To illustrate the effectiveness of the VUV lamps this shows the before and after for kitchen exhaust air cleaning with VUV in cafeteria kitchen hood.

Especially in large-scale catering establishments, the use of fats and oils causes unpleasant smells and stubborn deposits in air outlet and extraction hoods. Fat separators in the kitchen air extraction hood can trap just up to 95% of the grease in the outgoing air. The rest is deposited in the hood casing and the exhaust air duct. This makes cleaning difficult, but above all it is unhygienic and, moreover, it means a high fire hazard. In the wavelength of 185 nm the fat molecules and odors are photolyzed and oxidized, broken down, and in this way neutralized.



Before the installation of the VUV lamp module, the kitchen hood is contaminated with grease. This causes high effort for cleaning activities and is the basis for odor problems.



After 3,000 hours installation the kitchen exhaust air has dramatically been reduced.

Kitchen exhaust can also be costly in terms of energy consumption. Systems that are able reduce the high static pressure losses in conventional designs (resulting from multiple, high pressure drop filters) can significantly help reduce the total cost of ownership. Typical kitchen exhaust (KE) or pollution control units (PCU) include precipitators and multiple filter banks to capture residual grease and oil. In addition the higher pressure drops and more frequent service requirements, they tend to emit more odors since the equipment becomes laden with "wet" contaminants, which increases the need for odor filters, which in turn leads to more costs. Whereas Bioclimatic can offer a final odor control stage this may not be required unless, as stated above, there is a strict need to prevent objectionable odors from being released.

SUGGESTED GUIDE SPECIFICATION

Bioclimatic Standard Kitchen Exhaust System

1.0 General

1.01 Description of Work

This section describes the design, performance and installation of an air purification system intended for use in conjunction with air handling unit(s).

1.02 Related Work Pertaining to other specifications

- A. Testing, balancing and inspection services
- B. Facility Access and Protection
- C. Duct work
- D. Chilled Water piping
- E. Electrical Wiring
- F. Control Wiring

1.03 Submittals

The following information shall be submitted to the design professional prior to the release of any equipment for fabrication.

- A. Product performance data for filters, gauges, and housings.
- B. Product drawings detailing all physical, electrical, duct work and control requirements.

1.04 Reference Codes and Standards

- A. ASHRAE Standards 62.1 & 52.2
- B. UL Standard 300, 867, 762
- C. National Electric Code NFPA 17A, 70, 96

1.05 Quality Assurance

- A. The complete air purification system shall be a product of single and an established manufacturer with air purification system installations in successful operation for a minimum of 10 years in the USA.
- B. A qualified representative from the manufacturer shall be available to inspect the installation of the air purification system to ensure the installation is in accordance with manufacturer's recommendation.

C. The complete air purification system with its related housing, filters, UV emitters, gas phase filter media, and filters as assembled, complete with power and control wiring, safety switches and controls. Shall be listed by either UL or ETL for commercial applications.

2.0 Products

2.1 Design and Performance Criteria

- A. Each air handling unit shall contain an air purification system capable of:
 - Controlling oil & grease vapor droplets and other airborne particulate.
 - 2. Controlling volatile organic compounds generated during the cooking process normally found in a kitchen exhaust application.
- B. The operation of the air purification system shall be through a combination of catalytic and oxidation-reduction processes.
- C. The air purification system shall operate in such a manner so that oil and grease vapor droplets are essentially converted to a solid powder with the resulting air stream shall substantially odor free.
- D. Air Exchange Rate

The air purification system shall operate as a constant volume system per the drawings.

E. Humidity

The relative humidity shall not exceed 85% for efficient operation. Relative humidity from 0 - 99% shall not cause damage, deterioration, or dangerous conditions within the air purification system.

F. Ozone Generation

The operation of UV lamps shall generate 7 gm of ozone per hour for the purpose of oxidation and odor control with the exhaust air vented outdoors.

2.2 Equipment Requirements

A schematic representation of the air purification system is indicated on the drawings. Each unit shall include housing, UV emitters, power supplies, controls, safety switches, pre-filters, primary filters, differential pressure gauge, and accessories.

A. Plenum (cabinet)

Housings shall be a (horizontal / vertical) design with (single/double) wall construction.

The housing shall be fabricated from no less than 14 gauge/1.8 mm aluminized steel, (optional) seam welded to meet NFPA requirements. 1 in. 4 lb./cu ft density faced fiberglass insulation shall be applied to all internal surfaces and covered with 18 ga. aluminized steel liner. Housings shall include side access doors for maintenance and service. Filter tracks shall be extruded aluminum with nylon pile air seals. Access doors shall include closed cell UV resistant neoprene gasket and the required number of quick action, Vent Lock type latches to ensure a positive seal. Latches shall be fabricated from type 304 SS. Optional 304 stainless steel housing.

B. UV Oxidation Section

The section shall consist of minimum one high output low pressure UV emitter (vacuum UV) per 800 cfm of air flow, T5 diameter, Circline cell-base type capable of producing the specified output in air from 41 to 158° F/5 to 70° C. Effective lamp life shall not be less than 9,000 operating hours. The UV lamp shall produce UV energy at 185 nm wavelength.

The UV device shall have been independently tested under typical HVAC operating conditions and in accordance with the provisions of IES Lighting Handbook, 1981 Applications Volume. Total output shall not be less than 10 μ W/cm² per 1 in./25 mm arc length at 1 meter in 45° F/7.2° C air at 400 fpm/2 mps.

C. Fibrous Filter Section (Particle Filtration)

Prefilter & Primary filter tracks shall be extruded aluminum with nylon pile air seals. Provide closed cell UV resistant neoprene gasket on the door and wall such that air will not be able to bypass the filters.

D. Gas Phase Filter Section - Optional for strong odor mitigation (contact factory for specification details).

E. Fan Section

This section shall incorporate a pressure blower assembly, in-line arrangement, and shall be statically and dynamically balanced in the factory and given final testing with motor and drive in place. Fan assembly shall be the centrifugal utility set or tubular in line type, belt driven with backward inclined wheel and shall be UL 762 listed for Power Ventilators in Restaurant Service. Fan assemblies shall be installed on a unitary base with vibration isolation. The motor shall not be in the airstream. Fan housing shall have accommodations for access and draining to assist cleaning.

Motor shall be _____ Hp, (230/380/460 V), 3 phase, (50/60 Hz), (1725/3450) rpm, (TEFC), premium efficiency with a 1.15 service factor.

F. Insulation (optional)

Internal surfaces of single wall plenums shall be lined with 1/2 in. thick 4.0 lb. density (foil) faced fiberglass insulation and covered with 20 ga. aluminized steel liner.

G. Structural Base

Housings shall include a 2×4 in. tubular base/ 50 x 100 mm (structural steel/ 0.25 in. thick) base to provide rigidity and support in the event of a duct fire.

H. Filter Gages

<u>Differential pressure gauges</u> (<u>Differential pressure transmitter</u>) shall be proved to indicate filter status for each stage of particulate filtration. The differential pressure gages shall be magnahelic type instrument.

 Optional - Ansul fire suppression nozzle and piping components shall be pre-installed for connection to external (by others) system, in accordance with UL 300, NFPA 17A.

2.3 Filtration Requirements

Performance of fibrous filters shall conform to ASHRAE Standard 52.2 unless specified otherwise.

A. Prefilter

Filter media shall pleated fiberglass. The filter media shall have a minimum efficiency of MERV 8. Initial resistance at 500 fpm/2.5 m/s shall not exceed 0.3 in WC/75 Pa. The filter shall contain no less than 8 sq. ft. of filter fabric per full size filter. Filter shall be fiberglass for UV tolerance.

B. Primary filter (high efficiency)

Each filter shall be individually tested and certified to provide a minimum overall efficiency of MERV 14/15, bag filter type. Filters shall comply with UL Standard 900, Class 2

C. Optional – Supplementary odor control section downstream of primary filter shall be included to mitigate residual kitchen odors. Section shall include dry scrubbing, gas phase air purification media consisting of activated alumina that is impregnated with non-flammable blends of dynamic-oxidant chemicals including potassium permanganate and selected bases.

2.5 Ele	ectrical	Requi	iremer	Its
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	Electrical service shall be volts, phase, Hz.
	Wiring, conduit, and junction boxes shall be installed within housing plenums in accordance with NEC NFPA 70. Electrical enclosures shall be 1) Cold rolled steel finished with baked enamel; 3) Type 304 Stainless Steel; or 4) Fiberglass reinforced plastic subject to the requirements of UL/867. Electrical enclosures shall be rated NEMA
2.6	Control Requirements

Provide a variable frequency drive sized to match the selected motor in paragraph 2.2 F. to assist

air balancing. Provide a disconnect with the VFD in a NEMA _____ enclosure.

3.0 Execution

3.01 Assembly and Erection

- A. Provide a factory manufactured system from a single source. Assemble with air handling unit in accordance with manufacturer's recommendations and instructions.
- B. All interconnecting control and power wiring shall be completed by the ______ contractor. Single point power connections shall be completed by the electrical contractor.
- C. All equipment shall be assembled and installed in a workman like manner to the satisfaction of the owner, architect, and consulting engineer.
- D. Any material damaged by water or moisture shall be replaced at no cost to the owner.
- E. All equipment shall be protected from dust and damage throughout construction.
- F. Clean all components prior to commissioning.

G. Provide one (1) additional set of Stage I, MERV 8 filters for use during pre-commissioning operation of the HVAC system and air purification system.

3.02 Testing

- A. Provide the manufacturer's recommended electrical and static pressure tests.
- B. (With media filter option) Test representative samples of gas filter media at least quarterly to determine remaining life. Contact factory for procedure.

3.03 Commissioning & Training

- A. A manufacturer's employed technician shall provide start-up supervision and training of owner's personnel in the proper operation and maintenance of all equipment.
- B. Provide ____ copies of Operating and Maintenance Manuals.
- C. Service
 - 1. A manufacturer's authorized service representative shall provide a Follow-up Service Program to insure satisfactory air purification system operation. The service program shall include at minimum, periodic site visits, inspection of the air purification system, monitoring equipment, air handling unit, and protected areas, installation of coupons (if applicable), drawing media samples, and submission of written reports to the owner. The initial service period shall be two years for units with chemical media.
 - 2. Submit the Manufacturer's Service Program when requesting prior approval.

3.04 Warranty

The equipment shall be warranted against defects in material and workmanship for a period of 12 months from commissioning or 15 months from date of factory shipment, whichever occurs soonest.

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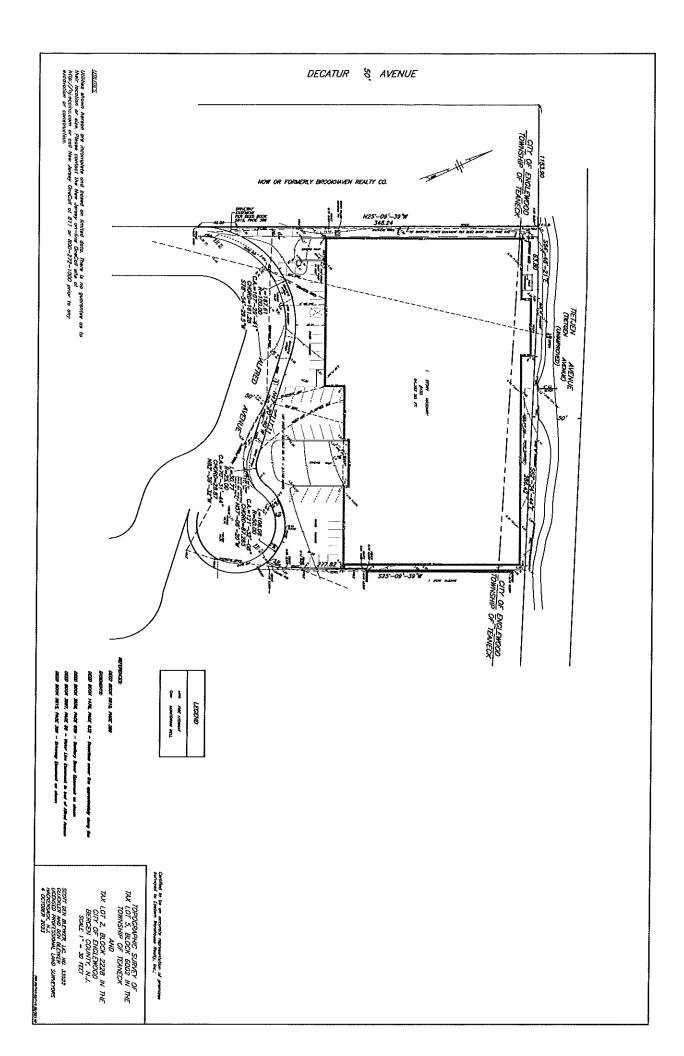
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T-Verde, LLC

(Micro Cultivation & Micro Manufacturing)

455 Alfred Ave., Suite C2, Teaneck, NJ 07666

Oder Control Compliance Equipment Plan

(Teaneck Ordinance No. 29-202, Section 3 (p)(6))



The Bioclimatic system utilizes a type of ultraviolet light to dry out the fine cooking grease mist being exhausted from the kitchen hood. This action allows for a simpler filtration process and avoids the prerequisite washdown cycles that systems with precipitators require along with the ancillary equipment to support that function.

In the direction of airflow, the first air cleaning component is a grease baffle (or wire mesh filter) that knocks down the large grease particles that get past the kitchen hood. This is a washable filter that can be cleaned in a commercial dishwasher as needed. This may not require frequent service if the hood is efficiently doing its job and is included as a back-up.

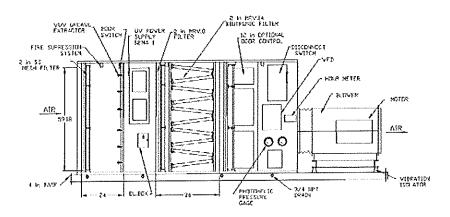
The next stage is the UV grease extractors, that do not actually extract but "prep" the small oil and grease mist for easy capture by the first stage of particulate filtration. These low pressure UV lamps have shorter wavelength than germicidal UV and do generate some ozone, frequently called vacuum UV (VUV). The combination of photolysis and ozonolysis (oxidation) acts to convert the wet mist into a dry, tacky powder.

Next is the first stage filter, a 2" MERV 11 is what we are using now. This is a relatively inexpensive item where most of the contaminant removal occurs. Replacement frequency depends on the loading but if required more often it is confirmation that the system is doing its job.

The last standard stage is a higher efficiency filter (MERV 14 minimum), and we recommend at least an 18" bag filter for this service with other types of filters available as options to suit a customer's preference.

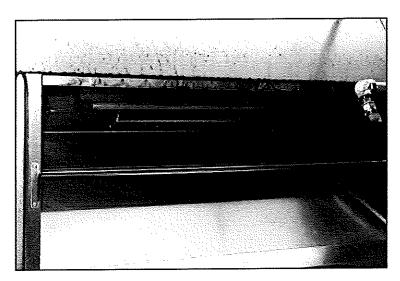
This process removes the kitchen exhaust grease and along with it most of the odor. If strict odor control is required a stage of chemical media can be added.

Bioclimatic includes a fully serviceable UL762 rated blower sized for the airflow and static pressure requirements. The unit carries an ETL label as well.

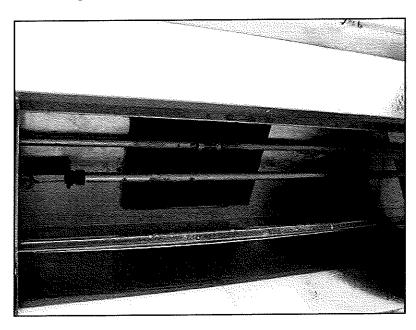


To illustrate the effectiveness of the VUV lamps this shows the before and after for kitchen exhaust air cleaning with VUV in cafeteria kitchen hood.

Especially in large-scale catering establishments, the use of fats and oils causes unpleasant smells and stubborn deposits in air outlet and extraction hoods. Fat separators in the kitchen air extraction hood can trap just up to 95% of the grease in the outgoing air. The rest is deposited in the hood casing and the exhaust air duct. This makes cleaning difficult, but above all it is unhygienic and, moreover, it means a high fire hazard. In the wavelength of 185 nm the fat molecules and odors are photolyzed and oxidized, broken down, and in this way neutralized.



Before the installation of the VUV lamp module, the kitchen hood is contaminated with grease. This causes high effort for cleaning activities and is the basis for odor problems.



After 3,000 hours installation the kitchen exhaust air has dramatically been reduced.

Kitchen exhaust can also be costly in terms of energy consumption. Systems that are able reduce the high static pressure losses in conventional designs (resulting from multiple, high pressure drop filters) can significantly help reduce the total cost of ownership. Typical kitchen exhaust (KE) or pollution control units (PCU) include precipitators and multiple filter banks to capture residual grease and oil. In addition the higher pressure drops and more frequent service requirements, they tend to emit more odors since the equipment becomes laden with "wet" contaminants, which increases the need for odor filters, which in turn leads to more costs. Whereas Bioclimatic can offer a final odor control stage this may not be required unless, as stated above, there is a strict need to prevent objectionable odors from being released.

SUGGESTED GUIDE SPECIFICATION

Bioclimatic Standard Kitchen Exhaust System

1.0 General

1.01 Description of Work

This section describes the design, performance and installation of an air purification system intended for use in conjunction with air handling unit(s).

1.02 Related Work Pertaining to other specifications

- A. Testing, balancing and inspection services
- B. Facility Access and Protection
- C. Duct work
- D. Chilled Water piping
- E. Electrical Wiring
- F. Control Wiring

1.03 Submittals

The following information shall be submitted to the design professional prior to the release of any equipment for fabrication.

- A. Product performance data for filters, gauges, and housings.
- B. Product drawings detailing all physical, electrical, duct work and control requirements.

1.04 Reference Codes and Standards

- A. ASHRAE Standards 62.1 & 52.2
- B. UL Standard 300, 867, 762
- C. National Electric Code NFPA 17A, 70, 96

1.05 Quality Assurance

- A. The complete air purification system shall be a product of single and an established manufacturer with air purification system installations in successful operation for a minimum of 10 years in the USA.
- B. A qualified representative from the manufacturer shall be available to inspect the installation of the air purification system to ensure the installation is in accordance with manufacturer's recommendation.

C. The complete air purification system with its related housing, filters, UV emitters, gas phase filter media, and filters as assembled, complete with power and control wiring, safety switches and controls. Shall be listed by either UL or ETL for commercial applications.

2.0 Products

2.1 Design and Performance Criteria

- A. Each air handling unit shall contain an air purification system capable of:
 - 1. Controlling oil & grease vapor droplets and other airborne particulate.
 - 2. Controlling volatile organic compounds generated during the cooking process normally found in a kitchen exhaust application.
- B. The operation of the air purification system shall be through a combination of catalytic and oxidation-reduction processes.
- C. The air purification system shall operate in such a manner so that oil and grease vapor droplets are essentially converted to a solid powder with the resulting air stream shall substantially odor free.
- D. Air Exchange Rate

The air purification system shall operate as a constant volume system per the drawings.

E. Humidity

The relative humidity shall not exceed 85% for efficient operation. Relative humidity from 0 - 99% shall not cause damage, deterioration, or dangerous conditions within the air purification system.

F. Ozone Generation

The operation of UV lamps shall generate 7 gm of ozone per hour for the purpose of oxidation and odor control with the exhaust air vented outdoors.

2.2 Equipment Requirements

A schematic representation of the air purification system is indicated on the drawings. Each unit shall include housing, UV emitters, power supplies, controls, safety switches, pre-filters, primary filters, differential pressure gauge, and accessories.

A. Plenum (cabinet)

Housings shall be a (horizontal / vertical) design with (single/double) wall construction.

The housing shall be fabricated from no less than 14 gauge/1.8 mm aluminized steel, (optional) seam welded to meet NFPA requirements. 1 in. 4 lb./cu ft density faced fiberglass insulation shall be applied to all internal surfaces and covered with 18 ga. aluminized steel liner. Housings shall include side access doors for maintenance and service. Filter tracks shall be extruded aluminum with nylon pile air seals. Access doors shall include closed cell UV resistant neoprene gasket and the required number of quick action, Vent Lock type latches to ensure a positive seal. Latches shall be fabricated from type 304 SS. Optional 304 stainless steel housing.

B. UV Oxidation Section

The section shall consist of minimum one high output low pressure UV emitter (vacuum UV) per 800 cfm of air flow, T5 diameter, Circline cell-base type capable of producing the specified output in air from 41 to 158° F/5 to 70° C. Effective lamp life shall not be less than 9,000 operating hours. The UV lamp shall produce UV energy at 185 nm wavelength.

The UV device shall have been independently tested under typical HVAC operating conditions and in accordance with the provisions of IES Lighting Handbook, 1981 Applications Volume. Total output shall not be less than 10 μW/cm² per 1 in./25 mm arc length at 1 meter in 45° F/7.2° C air at 400 fpm/2 mps.

C. Fibrous Filter Section (Particle Filtration)

Prefilter & Primary filter tracks shall be extruded aluminum with nylon pile air seals. Provide closed cell UV resistant neoprene gasket on the door and wall such that air will not be able to bypass the filters.

D. Gas Phase Filter Section - Optional for strong odor mitigation (contact factory for specification details).

E. Fan Section

This section shall incorporate a pressure blower assembly, in-line arrangement, and shall be statically and dynamically balanced in the factory and given final testing with motor and drive in place. Fan assembly shall be the centrifugal utility set or tubular in line type, belt driven with backward inclined wheel and shall be UL 762 listed for Power Ventilators in Restaurant Service. Fan assemblies shall be installed on a unitary base with vibration isolation. The motor shall not be in the airstream. Fan housing shall have accommodations for access and draining to assist cleaning.

Motor shall be _____ Hp, (230/380/460 V), 3 phase, (50/60 Hz), (1725/3450) rpm, (TEFC), premium efficiency with a 1.15 service factor.

F. Insulation (optional)

Internal surfaces of single wall plenums shall be lined with 1 / 2 in. thick 4.0 lb. density (foil) faced fiberglass insulation and covered with 20 ga. aluminized steel liner.

G. Structural Base

Housings shall include a 2×4 in. tubular base/ 50 x 100 mm (structural steel/ 0.25 in. thick) base to provide rigidity and support in the event of a duct fire.

H. Filter Gages

<u>Differential pressure gauges</u> (<u>Differential pressure transmitter</u>) shall be proved to indicate filter status for each stage of particulate filtration. The differential pressure gages shall be magnahelic type instrument.

 Optional - Ansul fire suppression nozzle and piping components shall be pre-installed for connection to external (by others) system, in accordance with UL 300, NFPA 17A.

2.3 Filtration Requirements

Performance of fibrous filters shall conform to ASHRAE Standard 52.2 unless specified otherwise.

A. Prefilter

Filter media shall pleated fiberglass. The filter media shall have a minimum efficiency of MERV 8. Initial resistance at 500 fpm/2.5 m/s shall not exceed 0.3 in WC/75 Pa. The filter shall contain no less than 8 sq. ft. of filter fabric per full size filter. Filter shall be fiberglass for UV tolerance.

B. Primary filter (high efficiency)

Each filter shall be individually tested and certified to provide a minimum overall efficiency of MERV 14/15, bag filter type. Filters shall comply with UL Standard 900, Class 2

C. Optional – Supplementary odor control section downstream of primary filter shall be included to mitigate residual kitchen odors. Section shall include dry scrubbing, gas phase air purification media consisting of activated alumina that is impregnated with non-flammable blends of dynamic-oxidant chemicals including potassium permanganate and selected bases.

2.5 Electri	cal Regu	irements
-------------	----------	----------

Electrical service shall be volts, phase, Hz.
Wiring, conduit, and junction boxes shall be installed within housing plenums in accordance with NEC NFPA 70. Electrical enclosures shall be 1) Cold rolled steel finished with baked enamel; 3 Type 304 Stainless Steel; or 4) Fiberglass reinforced plastic subject to the requirements of UL/867. Electrical enclosures shall be rated NEMA

2.6 Control Requirements

Provide a variable frequency drive sized to match the selected motor in paragraph 2.2 F. to assist air balancing. Provide a disconnect with the VFD in a NEMA _____ enclosure.

3.0 Execution

3.01 Assembly and Erection

- A. Provide a factory manufactured system from a single source. Assemble with air handling unit in accordance with manufacturer's recommendations and instructions.
- B. All interconnecting control and power wiring shall be completed by the contractor. Single point power connections shall be completed by the electrical contractor.
- C. All equipment shall be assembled and installed in a workman like manner to the satisfaction of the owner, architect, and consulting engineer.
- D. Any material damaged by water or moisture shall be replaced at no cost to the owner.
- E. All equipment shall be protected from dust and damage throughout construction.
- F. Clean all components prior to commissioning.

G. Provide one (1) additional set of Stage I, MERV 8 filters for use during pre-commissioning operation of the HVAC system and air purification system.

3.02 Testing

- A. Provide the manufacturer's recommended electrical and static pressure tests.
- B. (With media filter option) Test representative samples of gas filter media at least quarterly to determine remaining life. Contact factory for procedure.

3.03 Commissioning & Training

- A. A manufacturer's employed technician shall provide start-up supervision and training of owner's personnel in the proper operation and maintenance of all equipment.
- B. Provide _____ copies of Operating and Maintenance Manuals.
- C. Service
 - 1. A manufacturer's authorized service representative shall provide a Follow-up Service Program to insure satisfactory air purification system operation. The service program shall include at minimum, periodic site visits, inspection of the air purification system, monitoring equipment, air handling unit, and protected areas, installation of coupons (if applicable), drawing media samples, and submission of written reports to the owner. The initial service period shall be two years for units with chemical media.
 - 2. Submit the Manufacturer's Service Program when requesting prior approval.

3.04 Warranty

The equipment shall be warranted against defects in material and workmanship for a period of 12 months from commissioning or 15 months from date of factory shipment, whichever occurs soonest.

TRAFFIC IMPACT STUDY

For

T-Verde, LLC Proposed Cannabis Retail/Cultivation Facility

Property Located at:

455 Alfred Avenue
Block 6002 – Lot 5 – Township of Teaneck
Block 2228 – Lot 2 – City of Englewood
Bergen County, NJ

Prepared by:



245 Main Street, Suite 110 Chester, NJ 07930 732-681-0760

Coréy Chase, PE NJ PE License #47470 Connor Hughes, PE NJ PE License #57245

June 25, 2024

DT# 5333 24-02188

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MSA;CGH



INTRODUCTION

It is proposed to construct a cannabis retail and cultivation facility on a parcel of land currently developed with an industrial facility, located along the westbound side of Alfred Avenue in the Township of Teaneck and the City of Englewood, Bergen County, New Jersey (see Figure 1 in Appendix A). The site is designated as Block 6002 – Lot 5 on the Township of Teaneck Tax Maps and Block 2228 – Lot 2 on the City of Englewood Tax Maps. The existing use consists of a 64,721 SF industrial building occupied by various tenants. It is proposed to maintain the existing building and convert an approximately 12,844 SF portion of the building into a cannabis retail and cultivation facility ("The Project"). The site is located within the L-1 – Light Industry District of the Township of Teaneck. Access to the site is currently provided via one (1) full movement driveway along Alfred Avenue. It is proposed to maintain the existing access and construct one (1) new full movement driveway along Alfred Avenue which connects to a cul-de-sac and will provide direct access to the eastern portion of the building where the redevelopment is proposed. Parking will be provided via ten (10) on-site parking spaces as well as two (2) on-street parking spaces along the site frontage.

Dynamic Traffic, LLC has been retained to prepare this study to assess the traffic impact associated with the construction of The Project on the adjacent roadway network. This study documents the methodology, analyses, findings and conclusions of our study and includes:

- A detailed field inspection was conducted to obtain an inventory of existing roadway geometry, traffic control, and location and geometry of existing driveways and intersections.
- Existing traffic data was collected via manual turning movement (MTM) counts during the weekday morning, weekday afternoon, and Saturday midday peak periods at the intersection of Decatur Avenue and Alfred Avenue.
- Projections of traffic to be generated by the proposed development were prepared utilizing trip generation data as published by the Institute of Transportation Engineers. Site traffic was then assigned to the adjacent street system based upon the anticipated directional distribution.
- Capacity analyses were conducted for the Existing, No Build, and Build conditions for the study intersections.
- The proposed point of ingress and egress was inspected for adequacy of geometric design, spacing and/or alignment to streets and driveways on the opposite side of the street, relationship to other driveways adjacent to the development, and conformance with accepted design standards.
- The site plan as designed was reviewed for sufficiency in accommodating large wheel base vehicles such as delivery trucks, refuse trucks, and emergency vehicles.
- The parking layout and supply was assessed based on accepted design standards, local requirements, and demand experienced at similar developments.



EXISTING CONDITIONS

A review of the existing roadway conditions near the proposed site was conducted to provide the basis for assessing the traffic impact of the development. This included field investigations of the surrounding roadways and intersections, collection of traffic volume data, and extensive analyses.

Existing Roadway Conditions

The following are descriptions of the roadways in the study area:

<u>Decatur Avenue</u> is a local roadway under municipal jurisdiction with a general north/south orientation. In the vicinity of the site the posted speed limit is 25 MPH and the roadway provides one travel lane in each direction. Curb and sidewalk are provided along both sides of the roadway. Decatur Avenue provides a straight horizontal alignment and a rolling vertical alignment. The land uses along Decatur Avenue in the vicinity of The Project are primarily residential.

Alfred Avenue is a local roadway under municipal jurisdiction with a general east/west orientation. The speed limit is unposted and the roadway provides one travel lane in each direction. Curb and sidewalk are provided along both sides of the roadway. Alfred Avenue provides a curved horizontal alignment along the site frontage with back-to-back 90° bends just west of the site. The roadway provides a downhill vertical alignment from west to east. The land uses along Alfred Avenue in the vicinity of The Project are a mix of residential, commercial, and industrial.

Existing Traffic Volumes

Manual turning movement (MTM) counts were conducted on Saturday, June 8, 2024 from 11:00 AM to 2:00 PM as well as on Tuesday, June 11, 2024 from 7:00 AM to 9:00 AM and from 4:30 PM to 6:30 PM at the intersection of Decatur Avenue and Alfred Avenue. To note is that Teaneck and Englewood public schools were both still in session at the time of the weekday counts.

The weekday morning peak hour was determined to occur between 7:30 AM and 8:30 AM, the evening peak hour was determined to occur between 5:15 PM and 6:15 PM, and the Saturday peak hour was determined to occur between 12:30 PM and 1:30 PM. Figure 2, located in Appendix A, shows the existing peak hour traffic volumes at the study intersections. All traffic counts are contained in Appendix B.

Existing Capacity Analysis

The methodology utilized in the capacity analyses is described in the *Highway Capacity Manual*, published by the Transportation Research Board. In general, the term Level of Service (LOS) is used to provide a "qualitative" evaluation of capacity based upon certain "quantitative" calculations related to empirical values, such as traffic volume and intersection control.



An unsignalized (STOP sign controlled) driveway or side street along a through route is seldom critical from an overall capacity standpoint, however, it may be of great significance to the capacity of the minor cross-route, and it may influence the quality of traffic flow on both. When analyzing an unsignalized intersection, it is assumed that both the major street through and right turn movements are unimpeded and have the right-of-way over all side street traffic and left turns from the major street. All other turning movements in the intersection cross, merge with, or are otherwise impeded by major street movements. Traffic delays at unsignalized intersections are determined by sequentially processing these impeded movements. Table 1 describes the Level of Service ranges for unsignalized (stop controlled) intersections.

Table 1
Level of Service Criteria
for Unsignalized Intersections

	8
Level of Service	Average Control Delay (seconds per vehicle)
a	0.0 to 10.0
ь	10.1 to 15.0
С	15.1 to 25.0
d	25.1 to 35.0
e	35.1 to 50.0
f	greater than 50.0

All capacity analyses were performed utilizing Synchro 12 software. It should be noted that the existing percentage of trucks and peak hour factors were used in the existing analysis. Table 2 summarizes the existing Levels of Service (LOS) and delays. All capacity analysis calculation worksheets are contained in Appendix C.

Table 2
Existing Levels of Service

Intersection		ction/ ement		PM PSH	Sat PSH
	EB	LTR	c (15)	b (12)	b (11)
Desetus Avenue & Alfred Avenue	WB	LTR	c (15)	c (17)	b (15)
Decatur Avenue & Alfred Avenue	NB	LTR	a (8)	a (8)	a (8)
	SB	LTR	a (8)	a (8)	a (0)

a (#) - Unsignalized Intersection Level of Service (seconds of delay per vehicle)

The following are discussions pertaining to each of the existing intersections analyzed.

Decatur Avenue and Alfred Avenue

Alfred Avenue intersects Decatur Avenue to form an unsignalized four-leg intersection with Alfred Avenue operating under stop control. The eastbound and westbound approaches of Alfred Avenue each provide a shared left turn/through/right turn lane. The northbound and southbound approaches of Decatur Avenue each provide a shared left turn/through/right turn lane.

A review of the existing analysis reveals that the individual intersection movements operate at Levels of Service "C" better during the analyzed peak periods. See Table 2 for the individual movement Levels of Service and delays.



FUTURE CONDITIONS

Traffic volumes and operational analyses were developed for both the future No Build and Build conditions. The No Build conditions provide a baseline for assessing the impact of the site development traffic on the roadway system. The process of developing the No Build and Build traffic volumes and the subsequent analyses is outlined below.

Regardless of whether the subject site is developed or not, traffic volumes on the surrounding roadways are expected to increase as a result of developments throughout the region. A growth rate for roadways within the study area was obtained from the NJDOT Annual Background Growth Rate Table, which indicates a growth rate of 1.75% per year.

It should be noted that this office is aware of one (1) other development in the vicinity of the site that is identified as a potential significant traffic generator, shown below. Figure 3, located in Appendix A, shows the Adjacent Development Traffic Volumes passing the site.

• A residential development consisting of 258 dwelling units, located at 359 Alfred Avenue, is currently under construction.

Future No Build traffic volumes were developed by applying the background growth rate of 1.75% for four (4) years to the study area roadways existing traffic volumes and adding the adjacent development traffic volumes. Figure 4, in Appendix A, shows the Future No Build traffic volumes.

Traffic Generation

Trip generation projections for The Project were prepared utilizing trip generation research data as published under Land Use Code (LUC) 190 – Marijuana Cultivation and Processing Facility and LUC 882 – Marijuana Dispensary in the Institute of Transportation Engineers' (ITE) publication, *Trip Generation*, 11th Edition. This publication sets forth trip generation rates based on empirical traffic count data conducted at numerous research sites. The following table shows the anticipated trip generation for The Project.

Table 3 Trip Generation

		AM PSI	I		PM PSI	I		SAT PSI	T
Land Use	In	Out	Total	In	Out	Total	In	Out	Total
10,213 SF Cannabis Cultivation Facility	7	0	7	2	5	7	0	0	0
2,631 SF Cannabis Dispensary	15	13	28	25	25	50	32	33	65
Total	22	13	35	27	30	57	32	33	65

As previously noted, the portion of the building being redeveloped is currently occupied by an industrial use, which has an existing trip generation. However, no credit was taken for the existing development of the site and all trips were considered an increase over vacant land. This accounts for a "worst-case scenario" from a traffic impact perspective.



It should also be noted that the number of new trips falls below the industry accepted standard of a significant increase in traffic of 100 trips. Additionally, NJDOT has determined that the same 100 vehicle threshold is considered a "significant increase in traffic," hence, it is not anticipated that the change in use will result in a significant degradation of operating conditions.

Once the magnitude of traffic to be generated by the site is known, it is necessary to assign that traffic to the adjacent street system. The distribution of new traffic to the surrounding roadways is based on the location of primary arterial roadways, major signalized intersections and existing traffic patterns. Figures 5 and 6, located in Appendix A, illustrate the Site Generated Traffic Trip Distribution and the Site Generated Volumes, respectively. The Site Generated Volumes assigned to the study area network were added to the No Build traffic volumes to generate the Build traffic volumes, which are shown in Figure 7.

Future Capacity Analysis

Operational conditions at the study intersections were analyzed under the No Build and Build conditions and are summarized in Table 4 below.

Table 4
Future Levels of Service

	_	uture L	C TCIO Ox D	CATACC				
			AM	PSH	PM	PSH	SAT	PSH
Intersection	Company of the Compan	ction/ ement	No Build	Build	No Build	Build	No Build	Build
	EB	LTR	c (17)	c (18)	b (15)	c (16)	b (13)	b (14)
Departure Assessed & Alfred Assessed	WB	LTR	c (19)	c (21)	c (22)	d (27)	c (15)	c (17)
Decatur Avenue & Alfred Avenue	NB	L	a (8)	a (8)	a (8)	a (8)	a (8)	a (8)
	SB	L	a (8)	a (8)	a (8)	a (8)	a (8)	a (8)
Alfa-1 Amana & Cita Daireana	EB	L	_	a (7)	-	a (7)	-	a (7)
Alfred Avenue & Site Driveway	SB	LR	-	a (9)	-	a (9)	-	a (9)

a (#) - Unsignalized Intersection Level of Service (seconds of delay per vehicle)

Decatur Avenue and Alfred Avenue

With the addition of site generated traffic, the individual intersection movements are anticipated to operate at Levels of Service "C" or better during the analyzed peak hours with the exception of the westbound Alfred Avenue approach which operates at Level of Service "D" during the weekday evening peak hour. It should be noted that this is a result of less than a 5 second increase in average vehicle delay and a total of only 24 additional vehicles are projected to be added to the approach which translates to one additional vehicle every 2 to 3 minutes during the peak hour. See Table 4 for the individual movement Levels of Service and delays.

Alfred Avenue and Site Driveway

The site driveway is proposed to intersect Alfred Avenue to form an unsignalized T-intersection with the southbound approach of the site driveway operating under stop control. The eastbound approach of Alfred Avenue is proposed to provide a shared left turn/through lane, and the westbound approach is proposed to provide a shared through/right turn lane. The southbound approach of the site driveway is proposed to provide a shared left turn/right turn lane.

As designed, the individual intersection movements are anticipated to operate at Level of Service "A" during the studied peak hours. See Table 4 for the individual movement Levels of Service and delays.



SITE PLAN

Site Access and Circulation

The site plan was reviewed with respect to the site access and on-site circulation design. As noted previously, access to The Project will be provided via one (1) new full movement driveway along Alfred Avenue which connects to a cul-de-sac and will provide direct access to the eastern portion of the building where the redevelopment is proposed.

The newly constructed parking lot will be serviced by a single parking aisle with a width of approximately 48', which meets generally accepted engineering design standards. This aisle will allow for two-way circulation and 90-degree parking. Review of the site plan design indicates that the site can sufficiently accommodate the automobile traffic anticipated.

Parking

The Township of Teaneck Ordinance sets forth a minimum parking requirement of 1 parking space per 800 SF for manufacturing uses, 1 parking space per 400 SF for office uses, and 1 parking space per 200 SF for retail uses. This equates to a parking requirement of 27 spaces for the proposed 9,398 SF of manufacturing area associated with the cultivation facility, 815 SF of office area, and 2,631 SF of retail area. The site as proposed provides 10 parking spaces, inclusive of one (1) ADA space. It is also proposed to provide 2 on-street parking spaces in support of The Project.

It is proposed to provide parking stalls with dimensions of 9'x18' for the on-site parking spaces, which satisfy the Ordinance minimum requirement of 9'x18' and is consistent with generally accepted engineering design standards. Additionally, the on-street parking spaces are proposed to have dimensions of 9'x20'.



FINDINGS & CONCLUSIONS

Findings

Based upon the detailed analyses as documented herein, the following findings are noted:

- The proposed 12,844 SF cannabis retail and cultivation facility is projected to generate 22 entering trips and 13 exiting trips during the weekday morning peak hour, 27 entering trips and 30 exiting trips during the weekday evening peak hour, and 32 entering trips and 33 exiting trips during the Saturday peak hour which does not constitute a significant increase in traffic.
- Access to the site is proposed to be provided via one (1) new full movement driveway along Alfred Avenue which connects to a cul-de-sac.
- With the addition of site generated traffic, the individual intersection movements of Decatur Avenue and Alfred Avenue are anticipated to operate at Levels of Service "D" or better during the peak hours studied.
- As designed, the individual intersection movements of Alfred Avenue and the site driveway are anticipated to operate at Level of Service "A" during the peak hours studied.
- As proposed, The Project's site driveway and internal circulation has been designed to provide for safe and efficient movement of automobile.
- The proposed parking supply and design is sufficient to support the projected demand.

Conclusions

Based upon our Traffic Impact Study as detailed in the body of this report, it is the professional opinion of Dynamic Traffic, LLC that the adjacent street system of the Township of Teaneck and the City of Englewood will not experience any significant degradation in operating conditions with the construction of The Project. The site driveway is located to provide safe and efficient access to the adjacent roadway system. The site plan as proposed provides for good circulation throughout the site and provides adequate parking to accommodate The Project's needs.

Appendix A Traffic Volume Figures



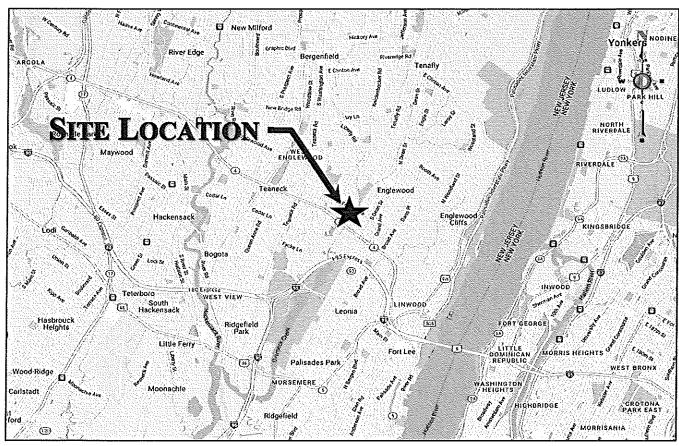
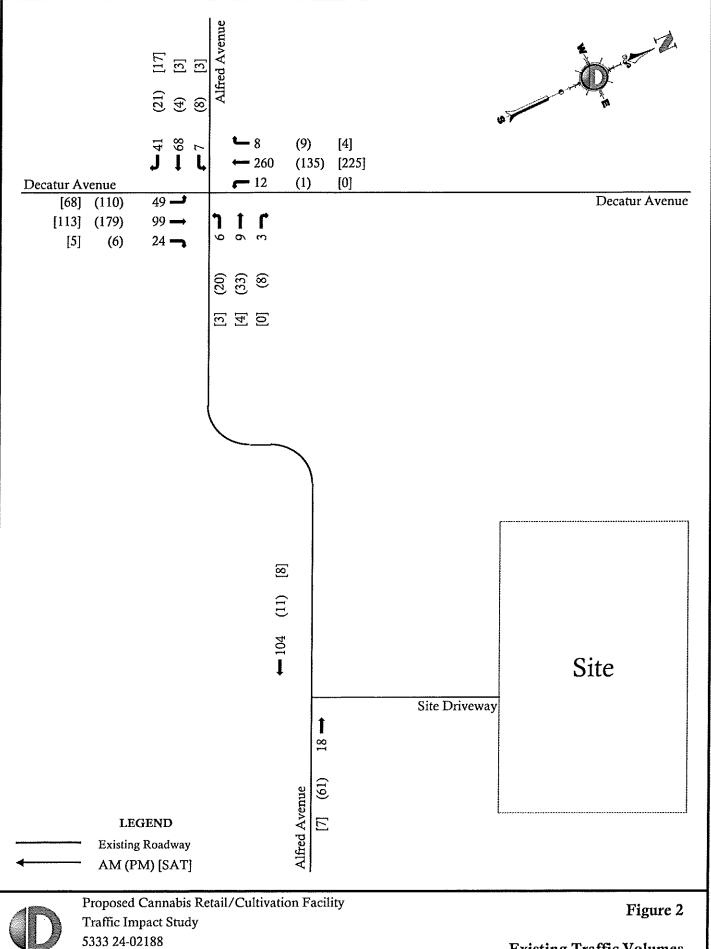




Figure 1

Site Location Map



Existing Traffic Volumes

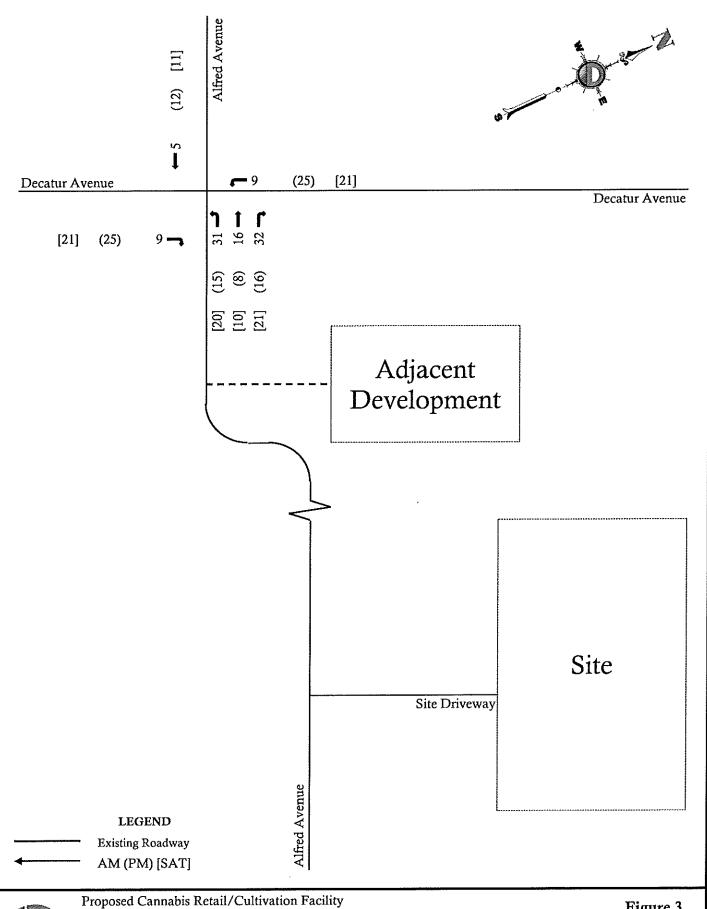




Figure 3

Adjacent Development Traffic Volumes [329 Alfred Avenue]

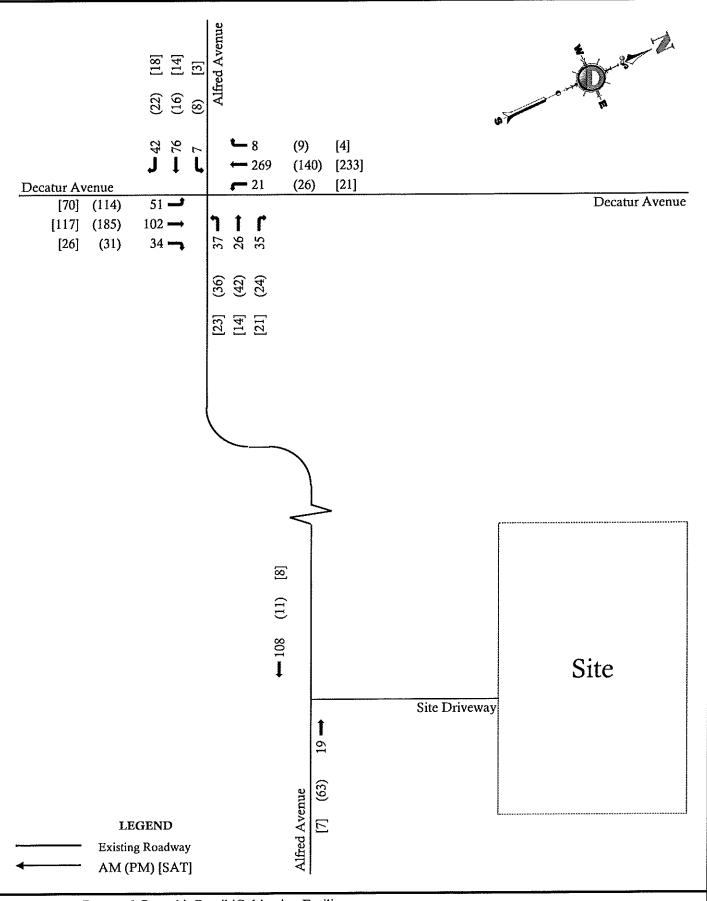




Figure 4

No Build Traffic Volumes

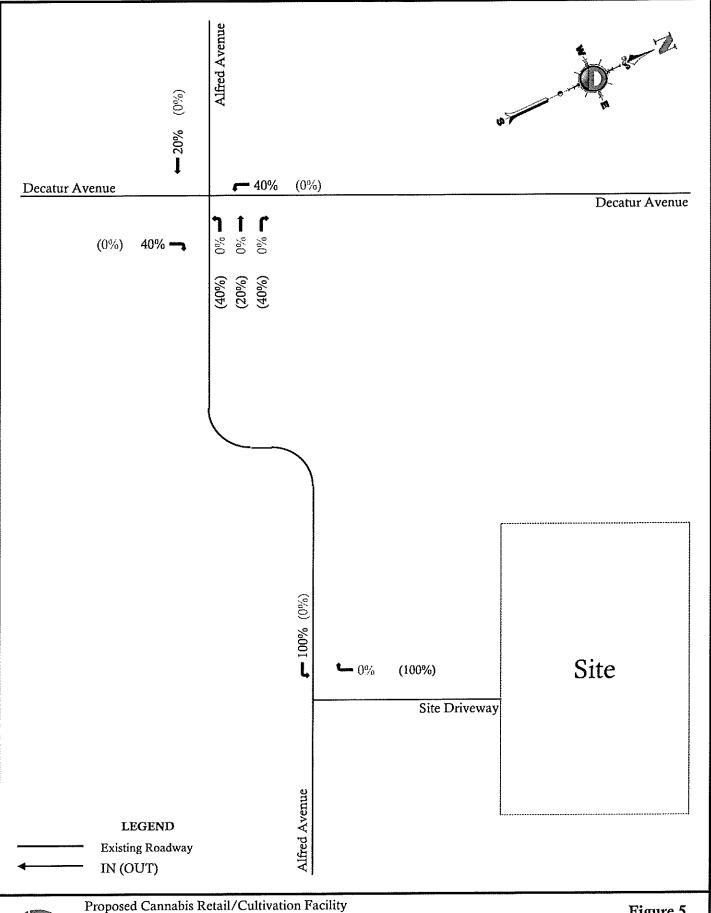
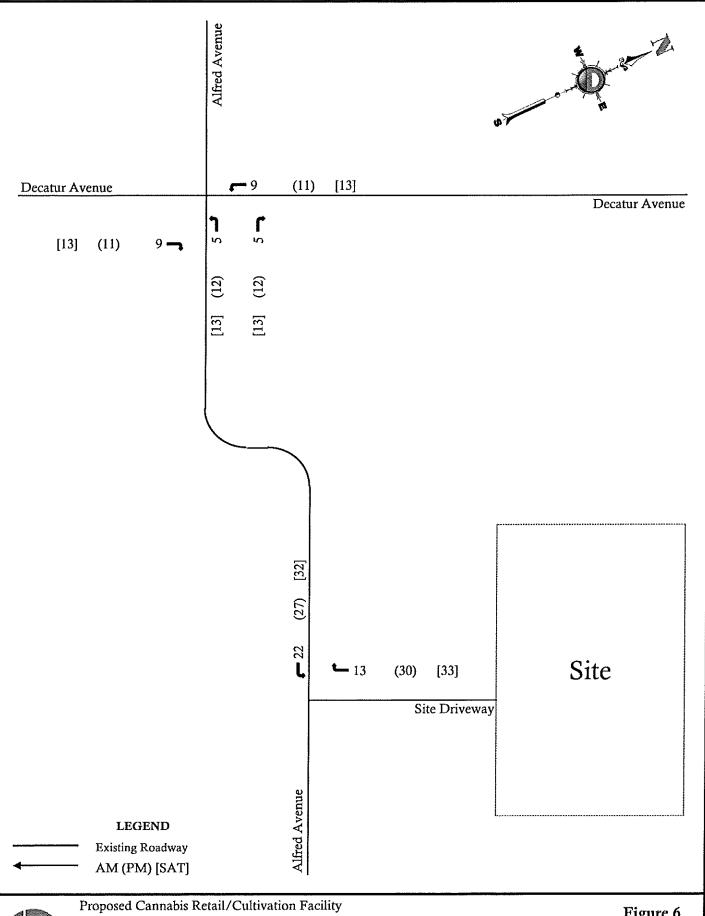




Figure 5
Percent Distribution
(Site Generated Trips)





Traffic Impact Study 5333 24-02188

Figure 6

Site Generated Trips

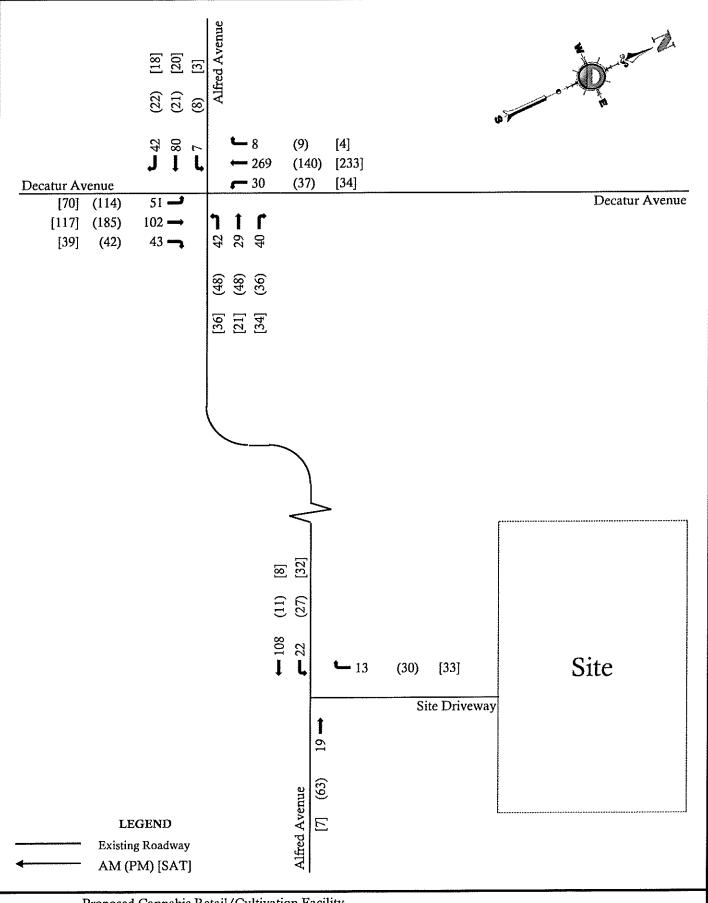




Figure 7

Build Traffic Volumes

Appendix B Project Information

Dynamic Traffic, LLC 1904 Main Street, Lake Como, NJ 07719

1904 Main Street, Lake Como, NJ 07719 245 Main Street - Suite #110, Chester, NJ 07930 732-681-0760

E/W: Alfred Avenue

N/S: Decatur Avenue

Town/County: Teaneck/Bergen

Job #: 5333 24-02188

File Name: Alfred Ave and Decatur Ave - AMPM

Site Code : 00000000

Start Date : 6/11/2024

						(Group	s Prin	ted- C	ars - Tr	ucks (SU) - 1	Trucks	s (TT)							,
		Alfr	ed Av	enue			Alfi	red Av	enue			Dec	atur A	venue			Dec	atur A	venue		
	1		astbou				V	estbo	und			N	orthbo	und			Sc	outhbo	und		
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right		App. Total	Left	Thru	Right		App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
07:00 AM	1	17	4	4	26	4	1	2	0	7	9	19	2	0	30	4	54	2	0	60	123
07:15 AM	i	11	7	5	23	4	3	0	0	7	9	15	5	0	29	0	53	0	0	53	112
07:30 AM	3	15	14	3	35	0	1	1	0	2	7	28	5	0	40	4	69	1	1	75	152
07:45 AM	ŏ	19	13	3	35	4	2	0	Ô	6	8	27	3	Ð	38	3	62	1	11	67	146
Total	4	62	38	15	119	12	7	3	0	22	33	89	15	0	137	11	238	4	2	255	533
10.01		-																			
08:00 AM	l 0	24	6	2	32	0	4	0	0	4	8	20	10	0	38	0	58	0	1	59	133
08:15 AM	4	10	8	2	24	2	2	2	0	6	26	24	6	0	56	5	71	6	0	82	168
08:30 AM	1	13	8	0	22	2	0	1	0	3	7	21	8	0	36	3	54	0	0	57	118
08:45 AM	3	11	4	2	20	0	3	0	0	3	19	30	6_	0	55	1_	51	3	1_	56	134
Total	8	58	26	6	98	4	9	3	0	16	60	95	30	0	185	9	234	9	2	254	553
*** BREAK ***																					
04:30 PM	1	2	9	1	13	11	18	3	0	32	10	26	2	0	38	0	25	1	1	27	110
04:45 PM	1	3	6	2	12	2	8	1	0	11	16	31	1_	0	48	1_	37	2	0	40	111
Total	2	5	15	3	25	13	26	4	0	43	26	57	3	0	86	1	62	3	1	67	221
05:00 014	۱ ۵			^	12	12	6	0	0	18	22	26	0	0	48	l o	39	0	0	39	117
05:00 PM	2	6	4	0 4	10	2	12	0	0	14	35	45	4	1	85	ő	40	2	ő	42	151
05:15 PM	_ ~	2	7	,		5	11	4	0	20	26	55	ō	ถ่	81	ő	33	4	Ö	37	147
05:30 PM	2	0	3	0	9	5	5	4	0	11	24	49	1	0	74	٥	29	2	Ö	31	125
05:45 PM	7	10	<u>3</u>	<u>1</u> 5	40	24	34	5	0	63	107	175	5	1	288	o o	141	<u>-</u> -	0	149	540
Total	, ,	10	10	9	40	24	34	3	v	0.5	101	113	· ·	,	200	. •			•		,
06:00 PM	3	0	7	2	12	8	5	3	٥	16	25	30	1	0	56	1	33	1	2	37	121
06:15 PM	2	1	12	6	21	2	6	ő	ō	8	22	33	0	Ö	55	0	46	0	0	46	130
Grand Total	26	136	116	37	315	63	87	18	ő	168	273	479	54	1	807	22	754	25	7	808	2098
Approh %	8.3	43.2	36.8	11.7	0,0	37.5	51.8	10.7	ō		33.8	59.4	6.7	0.1		2.7	93.3	3.1	0.9		
Total %	1.2	6.5	5.5	1.8	15	3	4.1	0.9	ō	8	13	22.8	2.6	0	38.5	1	35.9	1.2	0.3	38.5	
Cars	26	128	114	37	305	62	85	18	0	165	263	474	51	1	789	21	749	24	7	801	2060
% Cars	100	94.1	98.3	100	96.8	98.4	97.7	100	Õ	98.2	96.3	99	94.4	100	97.8	95.5	99.3	96	100	99.1	98.2
Trucks (SU)	0	7	2	0	9	1	1	0	0	2	10	5	2	0	17	0	5	1	0	6	34
% Trucks (SU)	0	5.1	1.7	0	2.9	1.6	1.1	0	0	1.2	3.7	1	3.7	0	2.1	0	0.7	4	0	0.7	1.6
Trucks (TT)	0	1	0	0	1	0	1	0	0	1	0	0	1	0	1	1	0	0	0	1	4
% Trucks (TT)	0	0.7	0	0	0.3	0	1.1	0	0	0.6	0	0	1.9	0	0.1	4.5	0	0	0	0.1	0.2

Dynamic Traffic, LLC 1904 Main Street, Lake Como, NJ 07719

1904 Main Street, Lake Como, NJ 07719 245 Main Street - Suite #110, Chester, NJ 07930 732-681-0760

E/W: Alfred Avenue

N/S: Decatur Avenue

Town/County: Teaneck/Bergen

Job #: 5333 24-02188

File Name: Alfred Ave and Decatur Ave - AMPM

Site Code : 00000000

Start Date : 6/11/2024

			ed Av					ed Av estbo					atur A	venue				atur A	venue und		
Start Time	Left	Thru	Right	Peds	App., Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	InL Total
Peak Hour A	nalysi	s Fron	1 07:00) AM t	o 11:45	AM - I	Peak 1	of 1													
07:30 AM	3	15	14	3	35	۱ ٥	1	1	0	2	7	28	5	0	40	4	69	1	1	75	152
07:45 AM	0	19	13	3	35	4	2	ò	ő	6	8	27	3	ō	38	3	62	1	1	67	146
08:00 AM	ő	24	6	2	32	'n	4	ŏ	ŏ	4	8	20	10	ō	38	0	58	0	1	59	133
08:15 AM	4	10	8	2	24	2	2	2	õ	6	26	24	6	ō	56	5	71	6	0	82	168
Total Volume	7	68	41	10	126	6	9	3	0	18	49	99	24	0	172	12	260	8	3	283	599
% App. Total	5.6	54	32.5	7.9	120	33.3	50	16.7	ō		28.5	57.6	14	ō	,,_	4.2	91.9	2.8	1.1		
PHF	.438	.708	.732	.833	.900	.375	.563	.375	.000	.750	.471	.884	.600	.000	.768	.600	.915	.333	.750	.863	.891
Cars	. 7	67	41	10	125	6	9	3	0	18	42	97	23	0	162	12	256	8	3	279	584
% Cars	100	98.5	100	100	99.2	100	100	100	Ö	100	85.7	98.0	95.8	0	94.2	100	98.5	100	100	98.6	97.5
Trucks (SU)	0	1	0	0	1	0	0	0	0	0	7	2	1	0	10	0	4	0	G	4	15
% Trucks (SU)	ō	1.5	0	0	0.8	0	0	0	0	0	14.3	2.0	4.2	0	5.8	0	1.5	0	G	1.4	2.5
Trucks (TT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Trucks (TT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Hour Ana	lysis Fr	om 12:	00 PM t	o 06:15	PM - Pe	ak 1 of	1														
Peak Hour for f	Entire Ir	ntersect	ion Beg	ins at 0	5:15 PM																
05:15 PM	0	2	4	4	10	2	12	0	0	14	35	45	4	1	85	0	40	2	0	42	151
05:30 PM	2	0	7	0	9	5	11	4	0	20	26	55	0	0	81	0	33	4	0	37	147
05:45 PM	3	2	3	1	9	5	5	1	0	11	24	49	1	0	74	0	29	2	0	31	125
06:00 PM	3	0	7	2	12	8	5	3	0	16	25	30	1	0	56	1	33	1_	2	37	121
Total Volume	8	4	21	7	40	20	33	8	0	61	110	179	6	1	296	1	135	9	2	147	544
% App. Total	20	10	52.5	17.5		32.8	54.1	13.1	0		37.2	60.5	2	0.3		0.7	91.8	6,1	1.4		
PHF	.667	.500	.750	.438	.833	.625	.688	.500	.000	.763	.786	.814	.375	.250	.871	.250	.844	.563	.250	.875	.901
Cars	8	4	21	7	40	20	33	8	0	61	110	177	6	1	294	. 1	135	9	2	147	542
% Cars	100	100	100	100	100	100	100	100	0	100	100	98.9	100	100	99.3	100	100	100	100	100	99,6
Trucks (SU)	0	0	0	0	0	0	0	Ð	0	0	O	2	0	0	2	0	0	0	0	0	2
% Trucks (SU)	0	0	0	0	0	0	0	0	0	0	0	1.1	0	0	0.7	0	0	0	0	0	0.4
Trucks (TT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% Trucks (TT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	į U

Dynamic Traffic, LLC

www.dynamictraffic.com 732-681-0760

E/W: Alfred Avenue

N/S: Decatur Avenue

Town/County: Teaneck/Bergen

Job #: 5333 24-02188

% Trucks (TT)

File Name: Alfred Ave and Decatur Ave - SAT

Site Code : 00000000

Start Date : 6/8/2024

	Groups Printed- Cars - Trucks (SU) - Trucks (TT) Alfred Avenue Decatur Avenue Decatur Avenue																			1	
		Alfr	ed Av	enue			Alfr	ed Av	enue												ĺ
		E	astbou	und			W	estbo	und			N	orthbo	und			Sc	outhbo			L,
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
11:00 AM	0	2	3	0	5	0	4	0	0	4	31	8	3	0	42	0	64	0	0	64	115
11:15 AM	0	1	0	0	1	0	0	0	0	0	19	4	2	0	25	1	54	0	0	55	81
11:30 AM	1	0	2	0	3	1	1	0	0	2	19	6	4	0	29	1	50	1	0	52	86
11:45 AM	0	1	4	0	5	2	1	2	0	5	30	7	11	0	38	0	53	1_	0	54	102
Total	1	4	9	0	14	3	6	2	0	11	99	25	10	0	134	2	221	2	0	225	384
·																					t
12:00 PM	0	1	5	0	6	4	6	1	0	11	24	3	4	0	31	0	34	3	0	37	85
12:15 PM	1	1	5	0	7	0	1	0	0	1	29	7	10	0	46	1	53	1	0	55	109
12:30 PM	0	1	5	0	6	2	1	0	0	3	17	26	2	0	45	0	57	0	0	57	111
12:45 PM	2	1	6	0	9	1	1_	0	0	2	8	31	2	0	41	0	52	2	0	54	106
Total	3	4	21	0	28	7	9	1	0	17	78	67	18	0	163	1	196	6	0	203	411
																ı					
01:00 PM	0	0	1	0	1	0	1	0	0	1	20	27	1	0	48	0	53	2	0	55	105
01:15 PM	1	1	5	0	7	0	1	0	0	1	23	29	0	0	52	0	63	0	0	63	123
01:30 PM	0	0	3	0	3	0	1	0	0	1	10	35	1	0	46	0	52	0	0	52	102
01:45 PM	1	0_	2	0	3	111	0	0	0	1	9	28	0_	0	37	0_	49	0	0	49	90
Total	2	1	11	0	14	1	3	0	0	4	62	119	2	0	183	0	217	2	0	219	420
																ı			_		1
Grand Total	6	9	41	0	56	11	18	3	0	32	239	211	30	0	480	3	634	10	0	647	1215
Apprch %	10.7	16.1	73.2	0		34.4	56.2	9.4	0		49.8	44	6.2	0		0.5	98	1.5	0		1
Total %	0.5	0.7	3.4	0	4.6	0.9	1.5	0.2	0	2.6	19.7	17.4	2.5	0	39.5	0.2	52.2	0.8	0	53.3	
Cars	5	9	41	0	55	11	18	3	0	32	239	210	30	0	479	3	633	9	0	645	1211
% Cars	83.3	100	100	0	98.2	100	100	100	0	100	100	99,5	100	0	99.8	100	99.8	90	0	99.7	99.7
Trucks (SU)											_		_	_		_			•		
% Trucks (SU)	16.7	0	0	0	1.8	0	0_	0	0	0	0	0.5	0	0	0.2	0	0.2	10	0	0.3	0.3
Trucks (TT)			_	_	_		_	_	_		_	^	^		_	0	^	Λ	Λ	^	Λ.

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			ed Av					ed Av					atur A	venue und				atur A	venue und		
Start Time	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Left	Thru	Right	Peds	App. Total	Int. Total
Peak Hour A	nalysi	s Fron	11:00	AM to	01:45	PM - I	Peak 1	of 1													
Peak Hour fo																					
12:30 PM	0	1	5	0	6	2	1	0	0	3	17	26	2	0	45	0	57	0	0	57	111
12:45 PM	2	1	6	0	9	1	1	0	0	2	8	31	2	0	41	0	52	2	0	54	106
01:00 PM	0	0	1	0	1	0	1	0	0	1	20	27	1	0	48	0	53	2	0	55	105
01:15 PM	1	1	5	0	7	0	1_	0	0	1	23	29	0	0	52	0	63	0_	0	63	123
Total Volume	3	3	17	0	23	3	4	0	0	7	68	113	5	0	186	0	225	4	0	229	445
% App. Total	13	13	73.9	0		42.9	57.1	0	0		36.6	60.8	2.7	0		0	98.3	1.7	0		
PHF	.375	.750	.708	.000	.639	.375	1.00	.000	.000	.583	.739	.911	.625	.000	,894	.000	.893	.500	.000	.909	.904
Cars	2	3	17	0	22	3	4	0	0	7	68	112	5	0	185	0	225	4	0	229	443
% Cars	66.7	100	100	0	95.7	100	100	0	0	100	100	99.1	100	0	99.5	0	100	100	0	100	99.6
Trucks (SU)																		_	_		
% Trucks (SU)	33.3	0	0	0	4.3	0	0	0	0	0	0	0.9	0	0	0.5	0	0	0	0	0	0.4
Trucks (TT)															_		_	_	_		
% Trucks (TT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Appendix C Capacity Analysis

ntersection								ij						
Int Delay, s/veh	4.3													
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR		10
Lane Configurations		€\$			4			4			4			
Traffic Vol, veh/h	7	68	41	6	9	3	49	99	24	12	260	- 8		
Future Vol, veh/h	7	68	41	6	9	3	49	99	24	12	260	8		
Conflicting Peds, #/hr	0	0	0	0	0	0	- 0	0	0	0	0	0		
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
RT Channelized			None .				•		None			None		
Storage Length	-	Maria (Contavia de Maria)	-	Barria Walani	-	-	-	•	-	-	-	-		
Veh in Median Storage,	# -	0	506	•	0	E 2 -	-	0	-	•	0			
Grade, %		0			3	-	-	-6	-	•	4			
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89		
Heavy Vehicles, %	0	2	0	0	0	0	14	2	4	0	2	0		
Mymt Flow	8	76	46	7	10	3	55	111	27	13	292	9		
	get/#commonfocus		Widestramewareners		V2000/v1000000000000000000000000000000000	Clarific Control of Co	2014/2007s 15 11/2000000000000							
Major/Minor M	linor2		1	dinor1	110		Vajor1		ł	vlajor2				
	550	572	297	592	563	125	301	0	0	138	0	0		
Conflicting Flow All	324	324	201 _	235	235	120	JU 1	_	U	100	_	_		
Stage 1	DAMASTICATE STREET, SAV	248		255 357	328									
Stage 2	226	6.52	6.2	7.7	320 7.1	6.5	4.24	-		4.1				
Critical Hdwy	7.1	PARTER SERVICES		6.7	6.1	U,U	4.24	_	_	7.1	_	_		
Critical Hdwy Stg 1	6.1	5.52	-	6.7	6.1	•		-	2004 SHINGSON (0)	-				
Critical Hdwy Stg 2	6.1	5.52	2 2	HERSKMELSSHAFEN	all to the common of	22	2.326			2.2				
Follow-up Hdwy	3.5	4.018	3.3	3.5	4	922	2.320 1195		-	1458				
Pot Cap-1 Maneuver	449	430	748	381	399	922	1199			1400	-			
Stage 1	693	650	•	743	687	-	•		•	-		-		
Stage 2	781	701		626	616	•	•			•	•			
Platoon blocked, %							4405		-	1458	-	-		
Mov Cap-1 Maneuver	409	404	748	276	375	922	1195			ZATIO ZANIO ANIA				
Mov Cap-2 Maneuver	409	404	-	276	375	-	•	-	-	-	- *====================================	-		
Stage 1	685	643		706	652				•	•	•	_		
Stage 2	728	666	-	512	609		-	•	-		-	manus production and		
Approach	EB			WB			NB			SB				
HCM Control Delay, s/v	15.19	3 6 6		15.38			2.32		61616	0.32				
HCM LOS	C			C				history of the Ares		Delta Cappara garanteen see	***************************************			
					8.8.5									
Minor Lane/Major Mvml		NBL	NBT	NIDD I	EBLn1V	MRI n4	SBL	SBT	SBR				- 11	
		V-000000000000000000000000000000000000				367	77							
Capacity (veh/h)		494			483				-					
HCM Lane V/C Ratio		0.046		-		0.055	and the state of t	- -	*					
HCM Control Delay (s/v	en)	8.2	0	- S	15.2	15.4	7.5	0						
HCM Lane LOS		A	Α	-	C	C	A	A	*					
HCM 95th %tile Q(veh)		0.1			1.1	0.2	0							

ntersection											9.					
Int Delay, s/veh	4.3															
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR				
Lane Configurations		4			₩			€}>			4				***************	D1000000000000000000000000000000000000
Traffic Vol, veh/h	8	- 4	21	20	33	- 8	110	179	6	1	135	9				
Future Vol, veh/h	8	4	21	20	33	8	110	179	6	1	135	9	NATIONAL CONTRACTOR			vones-kennedid
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0				
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free	000000000000000000000000000000000000000			1000000000 0
RT Channelized	•	•	None			None	•	•	None	•	•	None				
Storage Length	-		-	•	•	•		- Tanahan <u>-</u> ca	-	-	-	-				
Veh in Median Storage	# -	0			0	•	•	0	•	•	0					
Grade, %		0	-	-	3		-	-6	A CONTROL OF THE PROPERTY LANGEST	NECONOCCIONO	4	-	1010115741157410			
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90				
Heavy Vehicles, %	0	0	0	0	0	0	0	1	0_	0	0	0				
Mvmt Flow	9	4	23	22	37	9	122	199	7	- 1	150	10				AACE HARVE
Major/Minor N	Ainor2		ı	/linor1		I	Vlajor1		ħ	Aajor2		100				
Conflicting Flow All	619	607	155	601	609	202	160	0	0	206	0	0				•
Stage 1	157	157	•	447	447		-				•					
Stage 2	462	450	## ### ###############################	154	162	-	**		-lan-raullicole-annic-		_	-				
Critical Hdwy	7.1	6.5	6.2	7.7	7.1	6.5	4,1			4.1						
Critical Hdwy Stg 1	6.1	5.5	-	6.7	6.1	-		_	-	-	-	-				
Critical Hdwy Stg 2	6.1	5.5		6.7	6.1	•		•		•	-	-				
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	•				
Pot Cap-1 Maneuver	404	413	896	375	373	830	1432			1378	_	-				
Stage 1	850	771	-	552	536	-	-				-	-				
Stage 2	584	575	5 S ¥	831	747	•	-	- 5 - 5	•	•	- 10 m	•				
Platoon blocked, %		or'uu waan of al lala V	APILLIAN O TORRA APPROPRIATOR A					-	en verenne verenne veretille	SOUPPART PROTECTION SOURCE	-		ermentantesexates	PERSONAL PROPERTY OF THE PERSONAL PROPERTY OF	propertional Control of the Control	
Mov Cap-1 Maneuver	325	373	896	327	336	830	1432			1378		-				
Mov Cap-2 Maneuver	325	373	-	327	336	-	***************************************	•	-	-	-	-	0.000,000.000			**************************************
Stage 1	849	771		499	484				***	•		-				
Stage 2	482	520	-	804	747			_	_	-		energia de la composición del composición de la				35000000000
Approach	E8			WB			NB			SB						
HCM Control Delay, s/v	11.86		Character (Corner Marches (Corner (Corner (Corner (Corner (Corner (Corner (Corner (Corner (Corner (Corner (Corner (Cor	17.26			2.89			0.05						
HCM LOS	В			С			William Court National							e-errelikirienik		096090000000
Minor Lane/Major Mymt		NBL	NBT	NRD E	BLn1W	(RI n1	SBL	SBT	SBR							
Capacity (veh/h)		667	1101	, TUIVE	561	361	12	-uu	UUIX							
HCM Lane V/C Ratio		0.085			0.065		0.001									
HCM Control Delay (s/v		0.063 7.7	. 0		11.9	0.100 17.3	7.6	0								
HCM Lane LOS	on)	- <i>1.1</i> A	A	-	ы 1.9 В	-,7.3- C	750 A	A	-							
HCM 95th %tile Q(veh)		0.3	^		0.2	0.7	0	Λ •				carringay Associated		recognitive		70771003
nom com zemo serom)		2. 2. 2.										56/1256/155/165			m-1750/136311153	

Intersection	•					-0.									
Int Delay, s/veh	2			YORKI MARKATINI MARKA				CANTENATURA NA PROS	**************************************	**************************************		2765 DOMESTIC DE CONTROL DE CONTR			
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR			
Lane Configurations		4	**************************************	gaaggaaggawariisa.	- ♦}-	·	vanegaboroogoaren Almore	➾		STATES OF THE STATE OF THE STATES OF THE STA	➾	en Carlos (na 1800) (na 1800)			
Traffic Vol, veh <i>l</i> h	3	3	17	3	4	0	68	113	5	0	225	4			
Future Vol, veh/h	3	3	17	3	4	0	68	113	5		225	4		era New Libertonia	NULTURAL SECTION
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	_ 0	_ 0	- 0			
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free			
RT Channelized		•	None	-		None	•		None	•	•	None			
Storage Length	-	-	•	•		•	•		•		•	-			
Veh in Median Storage	NO-CONCESSION AND AND AND AND AND AND AND AND AND AN	0		600	0		•	0		-	0	- 12 - 1			
Grade, %	- 00	0	^^	-	3	-	-	-6	- 00	- 22	4	-			
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90	150 2500		200 200 200 200 200 200 200 200 200 200
Heavy Vehicles, %	33	0	0	0	0	0	0	1	0	0	0	0			
Mvmt Flow	3	3	19	3	4	0	76	126	6	- 0	250	4			
Major/Minor I	Minor2		ħ	Ainor1		ļ	vlajor 1		ħ	Aajor2	""				
Conflicting Flow All	531	534	252	531	534	128	254	0	0	131	0	0			
Stage 1	252	252	-	279	279				-						
Stage 2	279	282	_	252	254	-	=	-	-	-	-	-			
Critical Hdwy	7.43	6.5	6.2	7.7	7.1	6.5	4.1	(A €		4.1					
Critical Hdwy Stg 1	6.43	5.5	-	6.7	6.1	-	-	=	-		•	-			
Critical Hdwy Stg 2	6.43	5.5	•	6.7	6.1	-	-	-				-			
Follow-up Hdwy	3.797	4	3.3	3.5	4	3.3	2.2			2.2	-	-			
Pot Cap-1 Maneuver	414	455	791	423	416	917	1322		-	1467					
Stage 1	688	702	-	698	652	-	-	-	-	-	-	-			
Stage 2	665	681		726	671			•			-	•			
Platoon blocked, %								-	-		-	-			
Mov Cap-1 Maneuver	384	427	791	384	391	917	1322			1467	-				
Mov Cap-2 Maneuver	384	427	-	384	391	-	-	_	-	•	**				
Stage 1	688	702		655	612										
Stage 2	619	639	=	705	671		energenisarjen izaniza	nammerman egenekki	**	eganismonomyana	_				ensummences
		5.5.5				£6E					1000 000 00 1000 000 00				
Approach	E8			WB			NB			SB					
HCM Control Delay, s/v	/10.92			14.47			2.88			0					
HCM LOS	В			В					e Primer (Primer) Primer (Primer)						
10.		in.	MOT	XIDD F	·D1 2414	/DI -4	ODI	ont	onn.						
Minor Lane/Major Mvm	l .	NBL	NBT	NOK E	BLn1W		SBL	SBT	SBR						
Capacity (veh/h)		653			633	388	1467	•	•						
HCM Lane V/C Ratio		0.057	-	•	0.04	0.02	-	-	-						
HCM Control Delay (s/	ren)	7,9	0		10.9	14.5	0	\$ \$.	•						
HCM Lane LOS	ALL STREET, ST	A	Α	-	В	В	A		-		2-799998				
HCM 95th %tile Q(veh)		0.2		E 181	0.1	0.1	0		•			P. 25.25.25			

Intersection															
Int Delay, s/veh	6.4														
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR			
Lane Configurations		4			4			4			4				
Traffic Vol, veh/h	7	76	42	37	26	35	51	102	34	21	269	- 8			
Future Vol, veh/h	7	76	42	37	26	35	51	102	34	21	269	8			
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0			
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free		Principal Common Princi	
RT Channelized			None			None			None			None			
Storage Length	=	-	=	-	-	-	-		-	-	-	-	Parameter (Charles and Charles	***************************************	
Veh in Median Storage	,# -	0			0			0		•	- 0	-			
Grade, %	_	0	mos is creininhinis	-	3	-	-	-6	######################################		4		Ofmani Stilliano Antario		
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89			
Heavy Vehicles, %	0	2	0	0	0	0	14	2	4	0	2	0	HIDROELEGOVALINOSOS		
Mvmt Flow	8	85	47	42	29	- 39	57	115	38	24	302	9			

Major/Minor N	vlinor2		1	/inor1			Major1		ı	vlajor2					
		604	Security Commence And Security 11 of		607		311								
Conflicting Flow All	598	621	307	640	607	134		0	0	153	0	0			
Stage 1	354	354	•	248	248		_		•	•	_				
Stage 2	244	267		392	358			entretischen Stein	O HOLDING AND			-			
Critical Hdwy	7.1	6.52	6.2	7.7	7.1	6.5	4.24		•	4,1	•	•			
Critical Hdwy Stg 1	6.1	5.52		6.7	6.1	-	-		-		-	-			
Critical Hdwy Stg 2	6.1	5.52	deposits and	6.7	6.1						-	-			
Follow-up Hdwy		4.018	3.3	3.5	4		2.326	-	-	2.2	•	-			
Pot Cap-1 Maneuver	417	403	738	351	374	911	1184		-	1440	-	-			
Stage 1	667	630		729	676	₽ Spekiosseleded	upusterin perinangan Sala			wensymmetric					
Stage 2	764	688		596	594					5 S					
Platoon blocked, %	204512075791207057050	missiliani marrandisalita		oostaanmann-room	ribania erreger errebeest	oraniem rakostetenda	6000005845980004580000	CONSTRUCTION OF THE PROPERTY O			-	-			
Mov Cap-1 Maneuver	341	374	738	239	347	911	1184			1440	•				
Mov Cap-2 Maneuver	341	374	-	239	347	-	-	_		-	-	-			
Stage 1	654	618		691	640	100 P.O. 400 Peri Odo 400				\$ 5 • 5	•				
Stage 2	661	651	-	471	583	-	-		APPRINTED TO THE COLOR		-	esculation delication in constitution in	Manual special series	responses de laboreto (Classico	erretenden (Altope Artifolististist
				81.53.53	555										
Approach	E8			WB			NB			SB					
HCM Control Delay, s/v				19.03			2.23			0.53					
HCM LOS				C			2								
TIONI COO				U											
		MDI	MOT	NDD F	יחי באוז	ini sa	ODI	опт	opn						
Minor Lane/Major Mvm	l	NBL	NBT	Non E	BLn1W		SBL	SBT	SBR						
Capacity (veh/h)		468			446	366	126		•						
HCM Lane V/C Ratio	~	0.048	-		0.315		0.016		-						
HCM Control Delay (s/v	en)	8.2	0		16.8	19	7.5	0	- 6						505555
HCM Lane LOS		A	Α	-	C	C	A	Α	-	NESSESSES					
HCM 95th %tile Q(veh)		0.2			1.3	1.2	0								

Intersection									-							
Int Delay, s/veh	6.1													(1 miles (1		
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR				
Lane Configurations		4			4			4			4					
Traffic Vol, veh/h	8	16	22	- 36	42	24	114	185	31	26	140	9				
Future Vol, veh/h	8	16	22	36	42	24	114	185	31	26	140	9				
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0				
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free	worksampanoann	///		OGL/WEINTR
RT Channelized			None			None			None	-	-	None				
Storage Length	-	-	-	-	-	-	_	-	-	-	-	_			hankiinii sissii sii sii si sii sii sii sii	
Veh in Median Storage,	# -	0		•	0	•	•	0	•	•	0	-				
Grade, %	-	0	-	-	3	_	-	-6	-	-	4	-				
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90				
Heavy Vehicles, %	0	0	0	0	0	0	0	1	0	0	0	0				
Mvmt Flow	9	18	24	40	47	27	127	206	34	29	156	10				
Major/Minor N	linor2		h	/inor1			Major1		١	/ajor2				4		
Conflicting Flow All	701	712	161	698	699	223	166	0	0	240	0	0				
Stage 1	218	218		476	476						_	_				
Stage 2	482	493	•	222	223		-	-	•	•				Animiko#SHR%	-Ne-Gabilisanyejika Delak	mmmi4002
Critical Hdwy	7.1	6.5	6.2	7.7	7.1	6.5	4.1		-	4.1	-	-				
Critical Hdwy Stg 1	6.1	5.5	*************	6.7	6.1	-			-0.000000000000000000000000000000000000		************	-	(Stands) reconstruction of	one, out out pour analyse		awot or any
Critical Hdwy Stg 2	6.1	5.5		6.7	6.1	CHARLES CHE	•		•			•				
Follow-up Hdwy	3.5	4	3.3	3.5	4	3.3	2.2	-	-	2.2	-	_				
Pot Cap-1 Maneuver	356	360	890	318	326	807	1425		-	1339	•					
Stage 1	789	726	_	530	517	-	_	-	-	-	-					
Stage 2	569	550		756	696	-	•		•	•	•	•				
Platoon blocked, %	III A CONTRACTOR AND	***************************************			······································			_	-		·	an Commission Commissi	GG-COCCUSTOCUS	CONCERNED VERNOR CONCERNED		NICONTEGUE
Mov Cap-1 Maneuver	258	315	890	257	285	807	1425			1339	_	_				
Mov Cap-2 Maneuver	258	315	•	257	285				*	•	-	-				
Stage 1	770	709		475	464	-	-					•				
Stage 2	444	494		700	680	-	-			-	-	-				ACTIVITY OF THE PERSON OF THE
Approach	EB			WB			NB			SB						
HCM Control Delay, s/v:	14.45			22.13			2.69			1.15						
HCM LOS	В			С												
									5.5.5							
Minor Lane/Major Mymt		NBL	NBT	NBRE	BLn1W	BLn1	SBL	SBT	SBR							
Capacity (veh/h)		604			432	322	264		•							
HCM Lane V/C Ratio		0.089	-			0.352				n, albertot ferilik				eeromameConkir		
HCM Control Delay (s/ve		7.8	0	-	14.5	22.1	7.7	0	•							
HCM Lane LOS		Α	Α		В	С	Α	Α	•							2
HCM 95th %tile Q(veh)		0.3	-		0.4	1.5	0.1	*								N.

Intersection						770									
Int Delay, s/veh	3.6														
Movement	EBL	EBT	E8R	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR			
Lane Configurations		- ♣			4			43-			4				
Traffic Vol, veh/h	3	14	18	23	14	21	70	117	26	21	233	4			
Future Vol, veh/h	3	14	18	23	14	21	70	117	26	21	233	4			
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0			
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free			
RT Channelized	•		None	•		None:			None		•	None			
Storage Length	-	-	=	15	-	P	-	_	poneth-shoedskatgggay	-		_	nogramowa zamietko	50×4445041153110	
Veh in Median Storage	e,# -	0		•	0	en jagn 📥	9 a •	0	60 S. P.		0				
Grade, %		0		-	3		PHILIPPANCENT HOUSE	-6		•	4	-	****		
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90			
Heavy Vehicles, %	33	0	0	0	0	0	0	1	0	0	0	0			
Mymt Flow	3	16	20	26	16	23	78	130	29	23	259	4			
Major/Minor	Minor2		ħ	Ainor1		ł	Vajor1		٨	lajor2					
Conflicting Flow All	601	622	261	613	610	144	263	0	0	159	0	0			
Stage 1	308	308		300	300		-		_	•					
Stage 2	293	314	-	313	310	-	•	***************************************	-		-	-		pii Aikoo iliaa oo ilalii oo o	Salasa Carlo Silasa Carlo
Critical Hdwy	7.43	6.5	6.2	7.7	7.1	6.5	4.1	-		4.1	•	-			
Critical Hdwy Stg 1	6.43	5.5	-	6.7	6.1	::::::::::::::::::::::::::::::::::::::	-	-	-	-	*		alia (iranga kananga kananga ka	National Commission of the Com	
Critical Hdwy Stg 2	6,43	5.5		6.7	6.1		-	•			_				
Follow-up Hdwy	3.797	4	3.3	3.5	4	3.3	2.2	-	-	2.2	_	-			
Pot Cap-1 Maneuver	370	405	782	368	372	897	1313			1433					
Stage 1	641	664	•	678	637	-			-	-	-	-			
Stage 2	653	660	•	666	629	•	•	-	-	•	-	•			
Platoon blocked, %								•	-		-	-	Industrial of the state of the		electroniste de la constitución
Mov Cap-1 Maneuver	317	372	782	316	341	897	1313			1433					
Mov Cap-2 Maneuver	317	372	-	316	341		-	-	-	-	*	•			
Stage 1	629	651		634	595		- i	•				•			
Stage 2	579	617		621	617	ennimpisson/picos.	-	-	-	- 		_			~50000000000000000000000000000000000000
Approach	EB			WB			NB			SB					200
HCM Control Delay, s/	v12.82			15.04			2,6			0.61					
HCM LOS	В			С							######################################				
Minor Lane/Major Mvn		NID1	NBT	AIDD C	BLn1W	kalQ	SBL	SBT	SBR						
VIII.	it	NBL 574		JADIV C					JUN						
Capacity (veh/h) HCM Lane V/C Ratio		571 0.050	_		499 0.078 (423	146 0.016	•							
		0.059	. 0	•	0.078 (12.8), IOZ 15	7.6	0	-						
HCM Control Delay (s/ HCM Lane LOS	venj	7.9 ^			=12.8 B	C C	7.0 A	A	Appendage population						
HCM 95th %tile Q(veh)		A 0,2	Α .	•	0.3	0.5	0 0	A		toron states					
LICINI SOUL JOINE CONTRACT		u. 4			_ U.U	_ V. V.									

ntersection							1117-1111									
Int Delay, s/veh	7.1										Park no minoressore (*2000)			-angergereits (TV)	M-95-17453F-27440157-	ezonosynestano t
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR				
Lane Configurations	00007000000000000000000000000000000000	4	manaya assay na maya	TO STANGE TO SELLE	ቆ		a Podmining Source menings	4	2770720470200829427		4	erumenen en interes				
Traffic Vol, veh/h	7	80	42	42	29	40	51	102	43	30	269	8				
Future Vol, veh/h	7	80	42	42	29	40	51	102	43	30	269	8	herr (1985) (1985) (1985)			
Conflicting Peds, #/hr	0	0	0	0	0	0	- 0	0	_ 0	0	_ 0	0				
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free				
RT Channelized			None			None	•	-	None	•		None		sterroor (SS)		
Storage Length					-	-	-	-	-							
Veh in Median Storage,	# -	0	•		0	\$ 3 T		0	1876 .		0				igas e	
Grade, %		0	-		3		-	-6	-	-	4	-				
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89				
Heavy Vehicles, %	0	2	0	0	0	0	14	2	4	0	2	0				
Mvmt Flow	- 8	90	47	47	33	45	57	115	48	34	302	9				
Major/Minor N	linor2		A	/linor1		I	Vlajor1	77	ł	Aajor2						
Conflicting Flow All	620	652	307	668	632	139	311	0	0	163	0	0				
Stage 1	374	374		253	253				-							
Stage 2	246	278	b	415	379	_	-	-	*	-	=	-				
Critical Hdwy	7.1	6.52	6.2	7.7	7.1	6.5	4.24	-	•	4.1		-				
Critical Hdwy Stg 1	6.1	5.52		6.7	6.1	-	•	•	-	_	-	-				
Critical Hdwy Stg 2	6.1	5.52	_	6.7	6.1		_									
Follow-up Hdwy	3.5	4.018	3.3	3.5	4	3.3	2.326	=	-	2.2	•	-	.,,			
Pot Cap-1 Maneuver	403	387	738	335	360	904	1184		-	1428	- 300					
Stage 1	651	618	-	724	672	-	-	-	-	-	-	-				
Stage 2	763	681	auriavanumaga.	578	580					•		•				
Platoon blocked, %		anomi monorota attorna	***************************************					-	•		-	-				
Mov Cap-1 Maneuver	320	356	738	220	331	904	1184			1428						
Mov Cap-2 Maneuver	320	356	-	220	331	-	-	•	-	-	-	-				
Stage 1	632	600		685	636		-		_	1000 C		-				
Stage 2	651	644	-	447	564	-		-	-	-	-				1	***************************************
Approach	E8			WB			NB			SB						
HCM Control Delay, s/v				21.3			2.13			0.74						
HCM LOS	C			C												
												las vinces and a second				1000 1000 TE
Minor Lane/Major Mvmt		NBL	NBT	NBR F	BLn1V	/BLn1	SBL	SBT	SBR						700 900	
Capacity (veh/h)		442			425	344	175		-							
HCM Lane V/C Ratio		0.048	-			0.363		_	-						************	
HCM Control Delay (s/v		8.2	0	•	17.8	21.3	7.6	0								
HCM Lane LOS		A	A	-	C	Z 1.50	A	A	-							
HCM 95th %tile Q(veh)		0.2	7		1.5	1.6	0.1									
monitoria anno acioni)																meteration (A

Intersection															
Int Delay, s/veh	7.8														
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR			
Lane Configurations		4			4			₩			44				
Traffic Vol, veh/h	- 8	21	22	48	48	36	114	185	42	37	140	9			
Future Vol, veh/h	8	21	22	48	48	36	114	185	42	37	140	9			
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0			
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free	Machantin Result Stance	ASSOCIATE AND ASSOCIATION ASSO	aminoamoo kananshireneg
RT Channelized			None		CAN DATE HARA	None	- L		None		_	None			
Storage Length	-	-	-	-	-		•	-		-	=	=	Managaria de la companya del companya de la companya del companya de la companya		2
Veh in Median Storage	,# -	0			0		-	- 0	-		0				
Grade, %		0	-	-	3	-		-6			4	-			
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90			
Heavy Vehicles, %	0	0	0	0	0	0	0	1	0	0	0	0	Cramawingma Irgania.	A SINDER SIND AND AND AND AND AND AND AND AND AND A	Periodent in the second state of the second
Mvmt Flow	9	23	24	53	- 53	40	127	206	47	41	156	10			
					-05500M00000000000000000000000000000000										
Major/Minor N	viinor2	- T. W. T. W.	A	dinor1		1	Major1			Vajor2					
Conflicting Flow All	728	748	161	732	730	229	166			252	0				
Stage 1	243	243		482	482			0	0	232		0			
Oliveral Control of Co	GENERAL SECTION AND AND AND AND AND AND AND AND AND AN	GARCES DUALITY	•		PRODUCE CONTRACTOR CONTRACTOR		•			•		•			
Stage 2 Critical Hdwy	486 7.1	506 6.5	- 6.2	249 7. 7	248 7.1	6.5	- 4.1	-	-	4.1		MICE AND DESCRIPTION OF THE PARTY OF THE PAR			
	6.1	= 0.3 5.5	050000000000000000000000000000000000000	No. of the Control of		Melionemelendificios	Missoncescalations		-	4,1		•			
Critical Hdwy Stg 1	6.1	5.5 5.5		6.7 6.7	6.1 6.1	-			-	-	-	-			
Critical Hdwy Stg 2	3.5	NIOTA ASSESSED TO THE PROPERTY OF THE PROPERTY	3.3	0. <i>1</i> 3.5	delicana managaria	3.3	- 2.2	-		100	_		APPLICATION (SE)	A.A	0/22034.00100
Follow-up Hdwy Pot Cap-1 Maneuver		4 343			4 311	ა.ა 800	2.2 1425	•		2.2 1325	-	•			
Endurant Control of the Control of Control o	341		890	301	Secretaria de la composição de la compos		1420	-	•	เง่วอ	-	-			
Stage 1	765 567	709 543	-	525	514	-	-	03500000000000000000000000000000000000			viceopopopo	-	o de entre entre de la composição de la co	daran meda silang	housens represent the first of
Stage 2	307	343	Service March	728	677	1000 0000 0000 1000 0000 0000			•						
Platoon blocked, %	231	297	იიი	400	269	800	1425	-	-	1325	-	-			
Mov Cap-1 Maneuver Mov Cap-2 Maneuver		297 297	890	236	269 269	OUU	1420			1020		<u>.</u>		564 HT 55.44	
	231			236		•	-	-	-	-	-	-	Allerton San Paper angelos		
Stage 1	739	684 487	•	471	460		•			•					
Stage 2	427	40/	-	661	653			-		-	-	-			
													20 (S) (S)		
Approach	E8			W8			NB			SB					
HCM Control Delay, s/v	15.72			26.72			2.6	225		1.55					
HCM LOS	С			D											
Minor Lane/Major Mymt		NBL	NBT	NRRE	BLn1W	/Bl n1	SBL	SBT	SBR						
Capacity (veh/h)		580			392	309	354								
HCM Lane V/C Ratio		0.089				0.474		-	-						
HCM Control Delay (s/v		7.8	-0	-	15.7	26.7	7.8	0							
HCM Lane LOS	7,1	7.0 A	A	-	C	20.1 D	A	A							
HCM 95th %tile Q(veh)		0.3			0.5	2.4	0.1	reserve parameter							
, (ACI)															

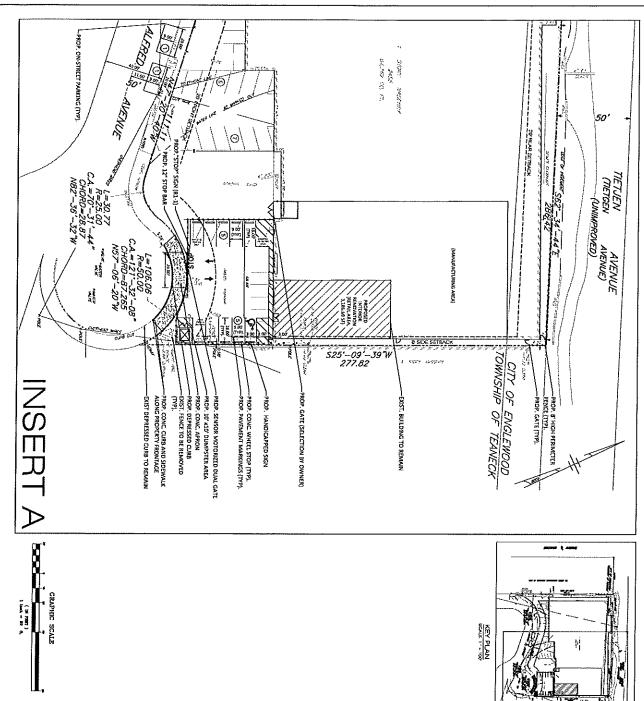
Intersection															
Int Delay, s/veh	4.7							4							
Movement	EBL	EBT	E8R	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR			
Lane Configurations		44>			€\$		<u> </u>	4			4				
Traffic Vol, veh/h	3	20	18	36	21	34	70	117	39	34	233	4			
Future Vol, veh/h	3	20	18	36	21	34	70	117	39	34	233	4	OCCUPANT OF A PROPERTY OF A PR	(2000) Albany (1994) (19	Accord to Combine to Commit Company (see
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0			
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free	Astronomica Astron	220010X-00000A-001000-1100	
RT Channelized			None			None			None			None			
Storage Length			=	-		_	•	m		-	-	-			
Veh in Median Storage	e,# -	0		•	0		•	0			0	•			
Grade, %	-	0	-	=	3	•		-6	-	_	4	=			
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90			
Heavy Vehicles, %	33	0	0	0	0	0	0	1	0	0	0	0			
Mvmt Flow	3	22	20	40	23	38	78	130	43	38	259	4			
Major/Minor	Minor2		* 1	Ainor1		ļ	vlajor1		N	lajor2					
Conflicting Flow All	634	666	261	653	646	152	263	0	0	173	0	0			
Stage 1	337	337		307	307										
Stage 2	297	329	•	346	339	-	=		-	-			and the second s	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Critical Hdwy	7.43	6.5	6.2	7.7	7.1	6.5	4.1			4.1	•	•			
Critical Hdwy Stg 1	6.43	5.5	-	6.7	6.1	-	-	•	•	-	-	-			
Critical Hdwy Stg 2	6.43	5.5		6.7	6.1							_			
Follow-up Hdwy	3.797	4	3.3	3.5	4	3.3	2.2		-	2.2	-				
Pot Cap-1 Maneuver	351	383	782	344	353	889	1313			1416					
Stage 1	617	645	-	672	631	-	-		-	-	eroseries roserse Cit	- 0-0-00000000000000000000000000000000			rouhovasuorennessus (viktiment urda)
Stage 2	650	650		637	608	•					-				5.5.6.5
Platoon blocked, %			Marrie House on Control	necesus emerita citados	energie eine eine eine eine	rozmijaovini raze		-	-		•	•	SPECIAL SECTION OF THE SECTION OF T		
Mov Cap-1 Maneuver	284	346	782	286	319	889	1313			1416					
Mov Cap-2 Maneuver	284	346	•	286	319	-	-	-	-	*	-	-			
Stage 1	598	625		627	590		•		•		•				
Stage 2	558	607	-	580	589	-	-		en	-		-	WILLIAM SAMESTAN		
		6455		2005					SBB						
Approach	EB			WB			NB			SB					
HCM Control Delay, s/	v13.92			17.2			2,45			0.96					
HCM LOS	В			С											
						626									
Minor Lane/Major Mvm	l	NBL	NBT	NBRE	:BLn1W	BLn1	SBL	SBT	SBR						,
Capacity (veh/h)		531			449	395	225	.		ē S					
HCM Lane V/C Ratio		0.059	-		0.101	0.256	0.027	-	-	annant o profession (1997)	, , , , , , , , , , , , , , , , , , ,				
HCM Control Delay (s/		7.9	0	-	13.9	17.2	7.6	0	•						
HCM Lane LOS		Α	Α	-	В	С	Α	Α	=				***************************************		
HCM 95th %tile Q(veh)		0.2			0.3	1	0.1								
The state of the s		where we find?													

ntersection						
Int Delay, s/veh	1.7					
Movement	EBL	EBT		WBR	SBL	SBR
Lane Configurations		4	<u> </u>	•	Y	annen en
Traffic Vol, veh/h	22	108	19	0	0	13
Future Vol, veh/h	22	108	19	0	0	13
Conflicting Peds, #/hr	0	0	_ 0	_ 0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	ASCRACIA CONTROL SERVICE	None	general and a service of the property	None	-	
Storage Length	-	-	-	-	0	
Veh in Median Storage		0	0		0	•
Grade, %	-	0	-2		-2	-
Peak Hour Factor	80	80	80	80	80	80
Heavy Vehicles, %	2	2	0	2	2	2
Mvmt Flow	28	135	24	0	0	16
Major/Minor I	Vajor1	A.	/lajor2	ı	Vlinor2	
Conflicting Flow All	24	0		0	214	24
Stage 1					24	
Stage 2	-	eccessorii •		•	190	
Critical Hdwy	4.12	-			6.02	6.02
Critical Hdwy Stg 1			-	-	5.02	
Critical Hdwy Stg 2				-	5.02	
	2.218			XII 9694 994 •	3.518	
Pot Cap-1 Maneuver	1591				793	1054
Stage 1	-	-	######################################		1002	-
Stage 2				-	860	
Platoon blocked, %			9525(3 5)		UUU	
	4504		- 70 5 5		778	1054
Mov Cap-1 Maneuver	EI SA I					
Mov Cap-2 Maneuver	-	•	*	-	778	-
Stage 1					983	
Stage 2		regia (MATTONY) (MATTON)	-	-	860	
		T			estantos asa	
Approach	EB		WB		SB	
HCM Control Delay, s/v	SC-100 SC		0		8.47	
HCM LOS	1,24		U		- 1 e.o A	
HOW LOS					M	
		Control Contro				
Minor Lane/Major Mvm	t	EBL	EBT	WBT	WBR S	3BLn1
Capacity (veh/h)		305				1054
HCM Lane V/C Ratio		0.017				0.015
HCM Control Delay (s/v		7.3	0	-		8.5
HCM Lane LOS		, .o	A	-	William Control of the Control of th	0.0 A
HCM 95th %tile Q(veh)		0.1				0
, TOTAL GOUT TOURG GOVERN)			164 884 150			

Intersection							
Int Delay, s/veh	3.5						
Movement	EBL	EBT	WBT	WBR	SBL	SBR	
Lane Configurations		4	₿		¥		
Traffic Vol, veh/h	27	11	63	0	0	30	
Future Vol, veh/h	27	11	63	0	0	30	
Conflicting Peds, #/hr	0	0	0	0	0	0	
Sign Control	Free	Free	Free	Free	Stop	Stop	
RT Channelized	•	None	-	None		None	
Storage Length		MOSO IV SAN DO SAN DE LOS	#		0		
Veh in Median Storage),#	0	0	6 B 🕏	0	•	
Grade, %	-	0	-2	-	-2		
Peak Hour Factor	90	90	90	90	90	90	
Heavy Vehicles, %	2	0	0	2	2	2	
Mvmt Flow	30	12	70	0	0	33	
Major/Minor	Majort	١	Major2	h	/linor2		
Conflicting Flow All	70	0	_	0	142	70	
Stage 1		į.		•	70		
Stage 2	-	-	-	-	72		
Critical Hdwy	4.12		-	•	6.02	6.02	
Critical Hdwy Stg 1	•		•	-	5.02	-	
Critical Hdwy Stg 2		•			5,02	•	
Follow-up Hdwy	2.218	-		•	3.518	3.318	
Pot Cap-1 Maneuver	1531	•			864	997	
Stage 1	-	-	-	-	960	-	
Stage 2	-	•		-	958		and the second seco The second s
Platoon blocked, %		-	-	-			
Mov Cap-1 Maneuver	1531				847	997	
Mov Cap-2 Maneuver		-	-	-	847	=	
Stage 1	3 3 5				941	80 8 4 0	
Stage 2		EDENYCOSEANORES		-	958		
Approach	EB		WB		SB		
HCM Control Delay, s/v	/ 5.26		0		8.74		
HCM LOS					A		
				Maker meneranak	noles en senera censa	recorrect rest	
		-AI		NOT.	44 mm /		
Minor Lane/Major Mym	L	EBL	EBT	WBT			
Capacity (veh/h)		1279	•	-5		997	
HCM Lane V/C Ratio	II) III MARAY PARA PARA PARA PARA PARA PARA PARA	0.02	- ^		*	0.033	
HCM Control Delay (s/A	/en)	7.4	0	Mary States		8.7	
HCM Lane LOS		A	A	•		A	
HCM 95th %tile Q(veh)		0.1				0.1	

Intersection														
Int Delay, s/veh	6.4													
Movement	EBL	EBT	WBT	WBR	SBL	SBR							- TIPL TIPL TIPL TIPL TIPL TIPL TIPL TIPL TIPL	
Lane Configurations		4	7		¥									
Traffic Vol, veh/h	32	- 8	7	0	0	33								
Future Vol, veh/h	32	8	7	0	0	33								
Conflicting Peds, #/hr	_ 0	_ 0	0	0	0	0								
Sign Control	Free	Free	Free	Free	Stop	Stop								
RT Channelized		None	•	None	· · · · · · · · · · · · · · · · · · ·	None								
Storage Length Veh in Median Storage	- -	- ^	- ^	-	0	-								
Grade, %	# -	0 0	0 -2	• •	0 -2									
Peak Hour Factor	63	63	-2 63	63	63	- 63								
Heavy Vehicles, %	2	00	0	2	2	2						3 6/5		
Mymt Flow	51	13	11	0	0	52								i
N-93						Parameter Control of the Control of								i i
Major/Minor N	lajor1	i.	Major2	Ä	vlinor2				77					
Conflicting Flow All	11	0	iojoiz	0	125	11								
Stage 1	- 1			•	123	11								
Stage 2	•	-		-	114	-								
Critical Hdwy	4,12	•		-	6.02	6.02								
Critical Hdwy Stg 1	-	-	-		5.02	::::::::::::::::::::::::::::::::::::::								
Critical Hdwy Stg 2					5,02									
	2.218	•	-		3.518	3.318		GESSICIEMANDAN JORGONA			Messa deservaciones	/000887/ESHV//000804P		
	1608			•	882	1070								
Stage 1			► Ave/viCipSize numerwaten		1013	-	n programment production of the continue							
Stage 2		•	-		922									
Platoon blocked, %	4000	•	•	-										
	1608				854	1070								
Mov Cap-2 Maneuver Stage 1	# #		•	-	854 981									
Stage 2			-		922	- -								
Clayo				W/Whiteneyene	ULL						Andrews and the second			
	- Fo		1000						**					
Approach	EB		WB		SB									
HCM Control Delay, s/v	5.85		0		8.54									
HCM LOS		240000000			A		MSM seems was a comment		o de la companya del companya de la companya del companya de la co		O TOTAL Palance Advent			
NA STATE OF THE ST														
Minor Lane/Major Mvmt		EBL	EBT 1	WBT										- 90
Capacity (veh/h)		1440				1070								
HCM Lane V/C Ratio		0.032	-			0.049		B6468588888888888		ESSESSESSESSES	compensation of	tyskovitti oo takkeen		
HCM Control Delay (sive	(n)	7.3	0		•	8.5								
HCM Lane LOS		A	Α	-		A								
HCM 95th %tile Q(veh)		0.1	_	•		0.2								

5. EXPIRATION OF APPROVAL (FINAL ---- YEARS) VERIFICATION THAT PAYMENT OF MUNICIPAL TAXCS OR ASSESSMENTS IS CURRENT. 4. TO BE INCORPORATED ONLY ON FINAL SITE PLAN AND SIGNED PRIOR TO ISSUANCE OF BUILDING PERMIT. I TO IL SOURD DEFORE SSUANCE OF A BUILDING PERMIT AND INCORPORATIO ONLY ON A FRAIL SITE PLAN NS APPLICABLE IN HERE OF ALL THE REQUIRED INFORMATION ONLY ON A FRAIL SITE PLAN NS APPLICABLE CODES AND ORDINANCES INFORMATION OF ALL THE REQUIRED INFORMATION OF THE PROPERTY OF Z. I CONSENT TO THE FILING OF THIS SITE PLAN WITH THE PLANNING/ZONING BOARD OF TOWNSHIP OF TEANECK, NEW JERSEY, SITE PLAN CONTROL NO: 1. PROPOSED INTERMAL RENOVATION OF EXISTING BUILDING AND RE-STRIPING OF PARKING AREA. RDCK NO. 6002 LOT NO. S : ZONE L-1 LIGHT INDUSTRIAL DISTRICT. AL PRINCES ALL CHARGE COLLEGES AND ALL CHARGES All square her of great floor area RE lipscan ngiah ket ol gross floor arsa; 12 Apasen bouwer (3,3 to vi) Mice estribus PARKING ANALYSIS - LIGHT NOVATRA New Date M tysost ź 1 lpsom EASTERN WAREHOUSE REALTY ATTN: HUGO IM 455 ALFRED AVENUE TEANECK, NJ 07666 NUTRA LEAF, LLC 455 ALFRED AVENUE, SUITE C-1 TEANECK, NJ 07666 OWNER: APPLICANT: 455 ALFRED AVENUE, TAX LOT 5, BLOCK 6002 BERGEN COUNTY, NEW JERSEY FINAL SITE PLAN AND TAX LOT 2, BLOCK 2228 TOWNSHIP OF TEANECK r de de la servicio de la completa A completa de la comp La completa de la completa del la completa de la completa del la completa de la completa de la completa de la completa de la completa del la completa del la completa della completa del la completa del la completa del la completa della CITY OF ENGLEWOOD ZONING/ 200' RADIUS MAP CITY OF ENGLEWOOD SOARD ENGINEER: SOARD SECRETARY APPROVED BY PLANNING SOARD - TOWNSHIP OF TEANECK 200' TAX MAP slpace Teading SALV BYNN ALVEN SCALE: #1"=250" 977 CONTRACTOR OF THE PARTY OF THE O Brothers Life with with a store χE SE DATE: DATE DATE 455 ALFRED AVENUE TAN LOT 5, BLOCK 6692 TOWNSHIP OF TEANECK AND TAX LOT 2, BLOCK 2226 CITY OF ENGLEWOOD BERGEN COUNTY, NEW JERSEY ENGINEERING, INC. ENGINEERS • SCIENTISTS • CONSULTANTS Mein Office: 150 River Road. Scale BJ. Mooth Elle. NJ 67645 Permylynatis Office: Screening. PA 1855-18799 TH. 971-3447094 Fee: 971-541-7799 West Section of Section (A Section 1) New Section of Section (A Section 1) New Sect AC DATE DATE ADNAN A. KIIAN, P.E., C.M.E. PROFESSIONAL ENCINEER C-01 A Kha DATE COVER SHEET



NITERT 2 OF 4 C-02

AREA OF PARCIL =97,155.21 S.F. ON 2.1156 ACRES. PARCEL IS KNOWN AS YAK LOT 5 IN BLOCK 5602 AS SHOWN ON THE TAX MAPS OF THE COY OF ENGLEWOOF PARCEL IS LOCATED ENTIRELY BY THE L-2-LUGHT INDUSTRY; DISTRICT AS SHOWN ON THE ZONING MAP OF THE TOWN OF TLANECE. f this document does not contain a raisco impression scal of the professional, it is Not an authorized original, and may have been altered.

THIS SA STIT ETYCLOPMENT FLAM AND NOT A SURVEY, DO HOT SCALL DIMMINGS FOR LOCKTIONI OF ADIACHTY STRUCTURES AND AUTOGRAPHICA PROSENCEAL COMUNITIONS. THESE TITLING ANY BL SCHEMATIC ONLY DISCIPT WHERE DIMENSIONS ARE SHOWN THIRSTO.

THE CONTRACTOR SHALL NOTIFY THE GUIDCISICAED PROFESSIONAL IMMEDIATELY IS ANY FIELD CONDITIONS ENCOUNTERED DIFFER FROM THOSE SHOWN HEREON.

ALL CESTINA UTILITAS THAT ART TO BE RELOCATED ON ALTERIO WANY MAINTEN ARE TO BE DONE IN ACCORDANCE WITH THE RESICCITIVE UTILITY COMPANIO STANDARDS. ALL THE COSTINA UTILITIES LEFECTED WITE INSCRIETE, IS HE PACEL, ANY COSSINIGE LESS DEVALUE ACCORDANGE LESS TOWN ONE COSTINGE WITH A SADDICE (CONCURTE OR SAND), AS NOTED. PROPOSED BUILDING GOOTPRINT AS PER THE ANCHTECTURAL FLANS SHEPARED AND PROVIDED BY VIVID ARC, AND RECEIVED AS DIGITAL FILE. LICANTORIA AND CONTROLES SMOWN OM THES PLAN ARE DASED ON THE SUBJECT PERSODNED AND REVOKED BY SCOTT GOR RELYCKE, QUICULEA AND EUR BLEVERS LICENSED PROFESSIONAL (AND SURVEYORS, OF HACKENSACK NJ. DATED A OCTOBER 2021.

455 ALFRED AVENUE TAX LOT 5, BLOCK 692 TOWNSHIP OF TEANECK AND TAX LOT 2, BLOCK 2228 CTIY OF ENGLEWOOD BERGEN COUNTY, NEW JERSEY

OOKTRICTOM WORK SHALL HE FURDINATO IN ACCORDANCE WITH ALL APPLICABLE METY CODISK. APPLICARLE MATE CODIS SHALL MEAN HE LATEST EDITION HEALLONIG ANT AND ALL MATCHMENTS, REMODEN AND ADDITIONS THERE OF THE TEXTLE ALL PERMANIST OF LADIS, CECLIFATIONAL SAFETY AND HEALTH ADMINISTRATIONS TO CELIFATIONAL SAFETY AND HEALTH

STANDARDS AND/OR CONDITIONS OF ANY OTHER GOVERNING BODIES HAVING JURISDICTION.

SITE DEVELOPMENT PLAN

NICO SOL ROSCOM AND SEDMENT CONTROL DEVICES MUST RE INSTALLED PRIOR TO ANY URBANIC, IT SHALL RE THE RESPONSIBILITY OF THE CONTRACTOR TO SUPPLY ANY NAL SOLI ROSCOM A SEDIMENT CONTROL MEASURES AS REQUESTED BY THE GOVERNING SERVATION DISTRICT.

ENGINEERING, INC.
ENGINEERS - SCIENTISTS - CONSULTANTS
Main Office: 1908 her Rends Saide Bl. Month life. No 19045
Pettaryly usin Office: Screener, RA 1854
Th 91-544-7999 Test 191-544-7999
Per surregimenting com beach infully-transplanting com
Now Levey, Certificing of Authority, No. 1911-1914
Pettaryly-nan Certificing of Authority, No. 1911-1914

THIS SET OF FIANS MAS BEEN PREPARED FOR FURPOSES OF MUMICIPAL AND ACENCY REVIEW AND APPROVAL. THIS SET OF FUANS SMALL MOT BE UTILIZED AS CONSTRUCTION DOCUMENTS UNTIL ALL CONDITIONS OF APPROVAL HATE SEEN SATISFED AND THE DRAWNINGS MARKED "ESUED FOR CONSTRUCTION".

COMPACTING IN FILLACICA SENSATH ALL PROPOSED UTILTITIS AND STRUCTURES SHOULD MEET ALL MANUFACTUREES AND MURICIPSAL REQLIRICACISTS AND BE LOZIAL TO THE MINIMUM 95% MODIFIED PROCTOR DENNITY.

ali Material Workmanship and Construction for site improvements shown Herion Shall be penforbred in Strict Conformance with

JDGT "STANDARD SPECIFICATIONS FOR HOAD AND BRIDGE CONSTRUCTION", A CURRENTLY SAKINDED.

PREVALING MUNCEPALAND/OR COUNTY SPECIFICATIONS,
OS, AND REQUISE/MENTS.
PREVALING UTILITY COMPANY/AUTHORITY SPECIFICATIONS, STANDARDS, AND ITZ MAPROVENE NT STANDARBS", NJ. AGMINSTRATIVE CODE. TITLE S, CHAPTER ILY AMENOCO.

NO DA-HIT CASI ILTIMIA AND DADINEWANTE ACESSANDIT MAS RESTETIONANZO DIA THA MADICE PA THE DESAN FARMETE, IT SINI AL ESTE COMPARE, AND DESCRIPTIONES NO CHARRA PARTICATO COMPACT DAS TESTIMO, AND GRADIMOPRATES IL TAVATORI DEL TESTIMONISTRE CHARRA PARTICATO COMPACTO TO TESTIMO CHARRA PER CASTORIO ARELITY DE THE ESPOSSO SENSINDI GALASIA AND CONSTRUCTION TECHNOLICI WITH ALSTECT TO SUBJARRACE SOL AND GRADIMORATE CONSCRIPTION.

all proposed roop lladens to be discharged away from the foundation and adjacent Properties.

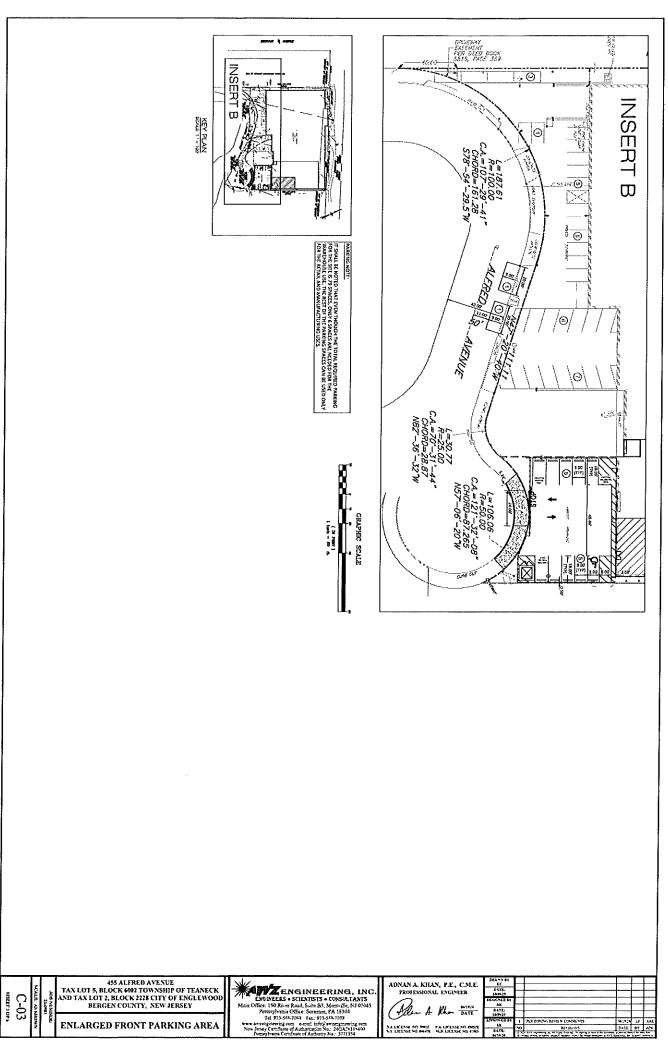
(OHT SAALL AS SAW COT IN STRAIGHT LINGS TO THE FULL DETING THE COSTING PAPEMENT BISES FOOM EXPOSACIO OPERATIONS SHALL BE REMOVED. FROM THE SITE AT THE TIME OF ATION, STOCKFULMO OF DEBISS WILL MOTHER FRANKITCO.

ADNAN A. KHAN, P.E., C.M.E. PROFESSIONAL ENGINEER (Den A Khan DATE NATURENA NO POST PLA DE ENCENSE NO COMO NATURENE NO PORTO PARA DE ENCENSE NO COM

wate and gas kerice аматенах. Вирац Depta, and cover requirements shall be specified by the local lithit comparay. Villity councetions shall comply with the county/municipal road opening permit requirements. ALL UTILITIES SHALL DE INSTALLED UNDERGADUND. DESIGN AND INSTALLATION OF WATER, FLEGTI DAS, TELEPHONE AND CASLE TO BE PROVIDED BY RESPECTIVE UTILITY ECHIPANIES. ALL SEWER LINES SWALL RE LOCATED AT LEAST TO FEET HOSIZOWTALLY FROM POTYABLE WATER LINES AND/OS AT LEAST 18 INCHES RECOW POTYABLE WATER LINES AND IN SEPARATE TRENCHES.

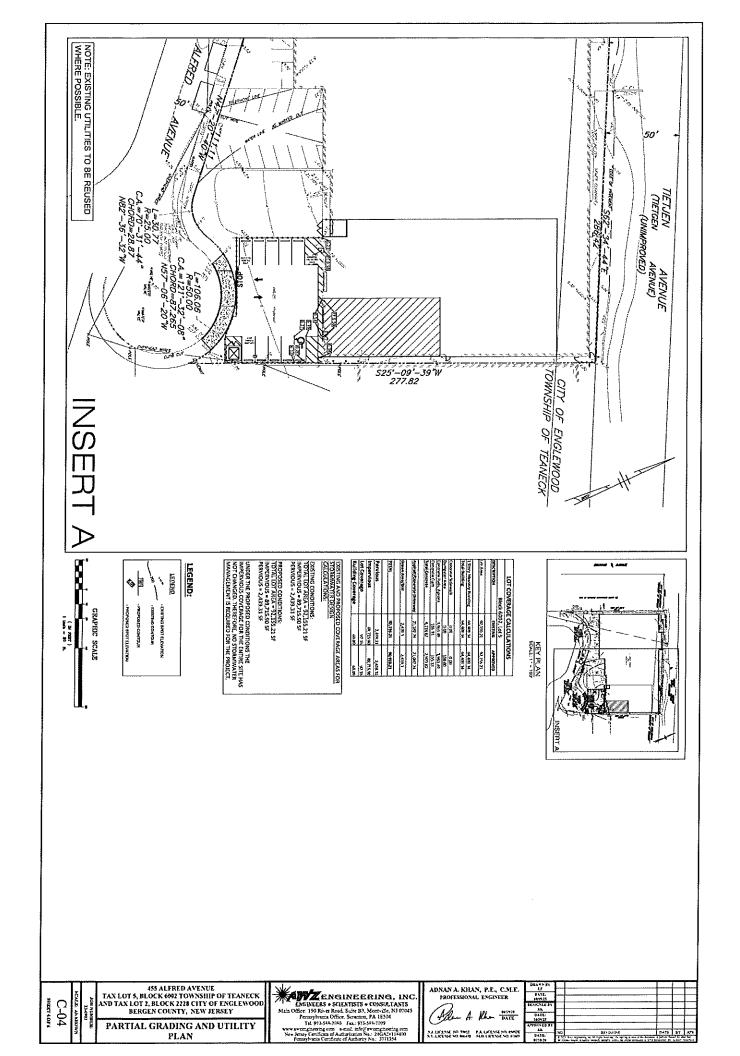
THE TOPS OF DISTING MANHOLES, INLIT STRUCTURES, AND SANITARY CILIAN DUTS SHALL BE ADJUSTICO, IF REQUIRED, TO MATCH PROPERED GRADES IN ACCOMBANCE WITH ALL APPLICABLE STANDARDS.

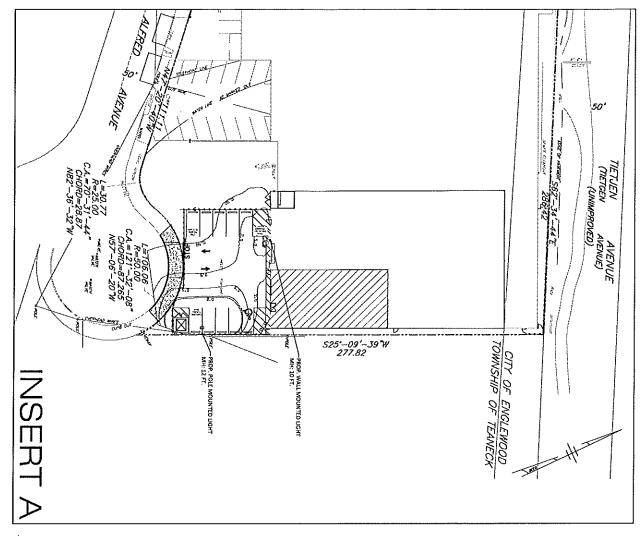
DATE:



ENLARGED FRONT PARKING AREA

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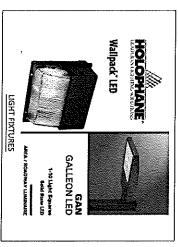


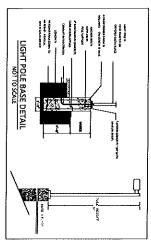
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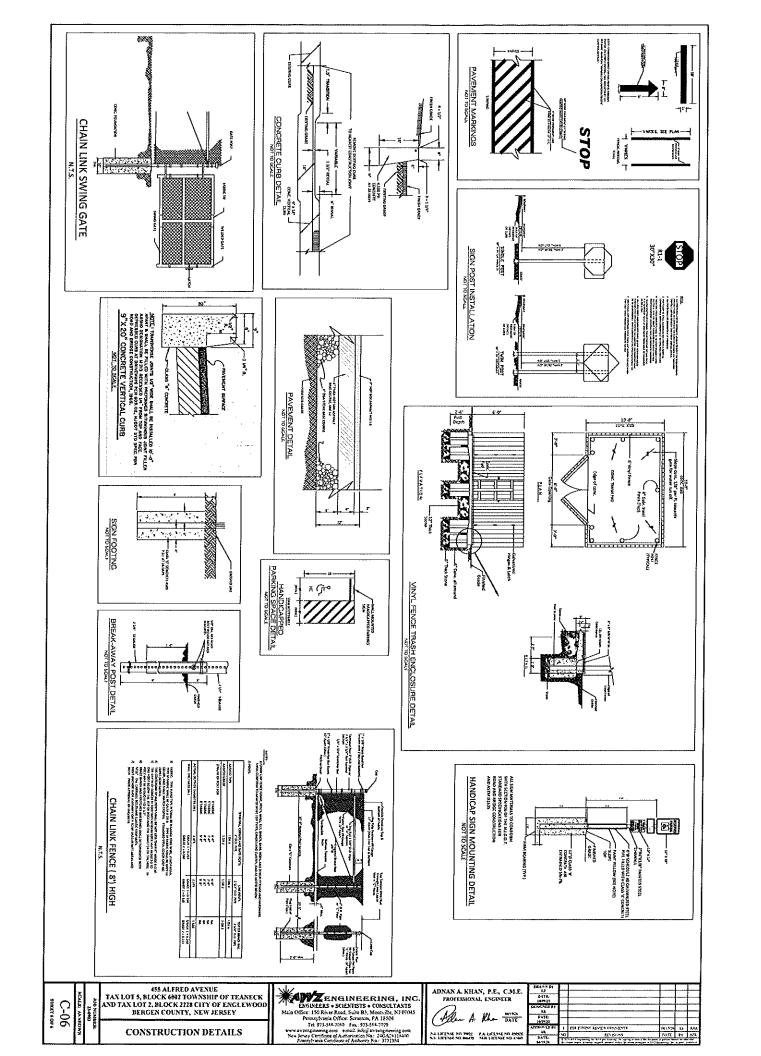
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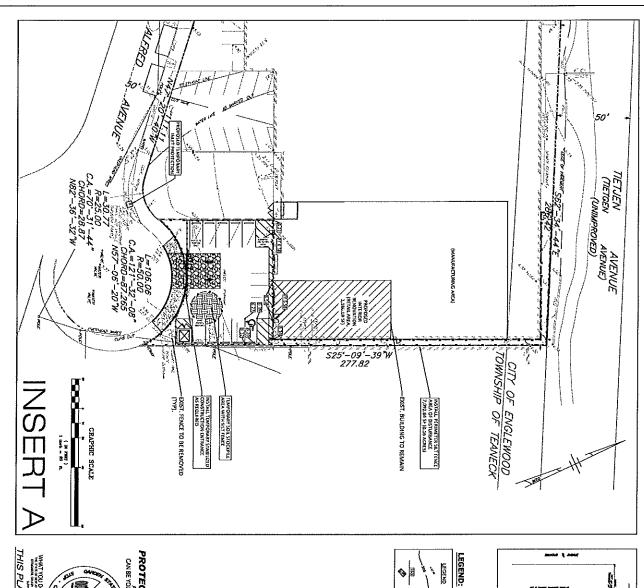
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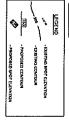
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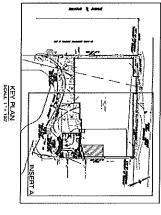
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THIS PLAN IS TO BE USED FOR SOIL EROSION CONTROL PURPOSES ONLY

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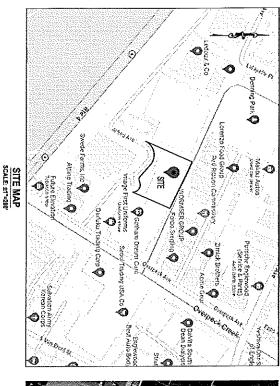
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DUST CONTROL NOTES

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HAY ALSO BE UNED AS AN ADDITIVE TO BE DIVEN FRANKING TO FLOCULATE AND THE SUBSTENDED COLLORDS.	WILL WOODS	4.	12.5:1	7.3	WATER DILUTION
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RANCHAD, ETIE DE REPRINZED MEIT, INTE GENERACE DIMET, EINE WALLS, IMAES DE MAY, AND BANLAR REGERS - DOUID DOUBLE FEACES, BANCH FEACE, BANCH FEACE, BANCH FEACE ELIMONAL CHAN EE (REC) TO CONTROL AND EINET THAN DIO BLE BLOWNED.

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PROTECT YOURSELF

A PHONE CALL CAN BE YOUR INSURANCE POLICY

BASED ON THE USDA WEB SOIL SURVEY, THE MAP UNIT SYMBOL FOR THE ENTIRE SITE IS "UR" (URBAN LAND).

SOIL MANAGEMENT NOTE:
ACCORDING TO SYNTEOF, NEW JERSEY LAND USE CLASSIFICATION SYSTEM,
ACCORDING TO SYNTEOF NEW JERSEY LAND USE CODE 1,110.
THE SITE IS UNDER URBAN REDEVELOPMENT AREA, LAND USE CODE 1,110.
THEREFORE, THE PROPOSED PROJECT DOES NOT REQUIRE COMPACTION
REMEDIATION, AS PER EXEMPTION 46 UNDER SOIL, MANAGEMENT AND
PREPARATION STANDARDS FOR SOIL, AND SEDIMENT CONTROL IN NEW JERSEY,



BERGEN COUNTY SOIL CONSERVATION DISTRICT SOIL EROSION AND SEDIMENT CONTROL NOTES

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HE DITE SHALL AT ALL TIMES BIE GRADEN AND MAINTAINED BUCH THAT ALL HEMMATER HUNOFF IS DIVERYED TO BOIL EROSION AND GEDIMENT CONTROL HATILLE.

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. DRÎVEWAY DI MADT DE DTADILEED WÎTH 1°-24° CRUSHED BTONE OR BUBLAGE HOR TO MONIDUAL LOT CONDÎTRUCTION, KIMUM BIDE BLOPE'S OF ALL EXPOSES BURFACES BYMLL NOT EXCEED 3:5 BS OTHERWISE APPROVED BY THE DISTRICT.

. DOIL WASHED, DROPPRD, SPILLED OR TWACKED OUTSIDE THE LIMT OF WANCE OR ONTO PUBLIC RICHT-OF-WAYS, WILL BE REMOYED IMMEDIATELY ROADWAYD MUST BE REPT CLEAN AT ALL TIMES.

BYDRM DRAMADE OUTLETS WAL, DE STABILIZED, AS REQUERED, BEFORE THE PHARDE POINTU DECONE OPERATIONAL. ATCH BASH INLETS WILL BE PROTECTED WITH AN IMEET FETER DESIGNED IN DRUMME WITH SECTION 25-1 OF THE NJ STANDARDS.

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DIBT BHALL BE COMPROLATE VAN THE APPLICATION OF WATER CALCIUM LORIDE OR OTHER APPHOVED METHOD IN ACCORDANCE WITH BECTION IS 1 OF E HJ STANDARDD. THEED TO HEMAIN AFTER CONBTRUCTION ARE TO DE PROTECTED WITH A MAILE FEMEL INSTALLED AT THE DRIP LINE DR BEYOND IN ACCORDANCE WITH TRUN A 1 OF THE NJ BYMDARDH.

THE PROJECT OWNER BYALL BE REID-ONBIBLE FOR ANY FEIGURIN OR DMENTATION THAT INVY OCCUR BELOW BEORMANTER OUTFALLE OR OFF-BITE A REBULT OF COMBITUETION OF THE PROJECT.

THE BEROEN COUNTY SIDE CONSERVATION OBTRICT MUST BE MOTHED, BY HITNEY, AT LEAST AN HOWEL REGIS TO MAY LAND DISTURBANCE. BERGEN UNITY DED, THE MUSTERVANCEN ROMD, SUITE TIE, CHAUSELL, HJ. 07649, TELL TABLE MAY, FAX. 201-201-7873.

THIS PLAN IS TO BE USED FOR SOIL EROSION CONTROL PURPOSES ONLY

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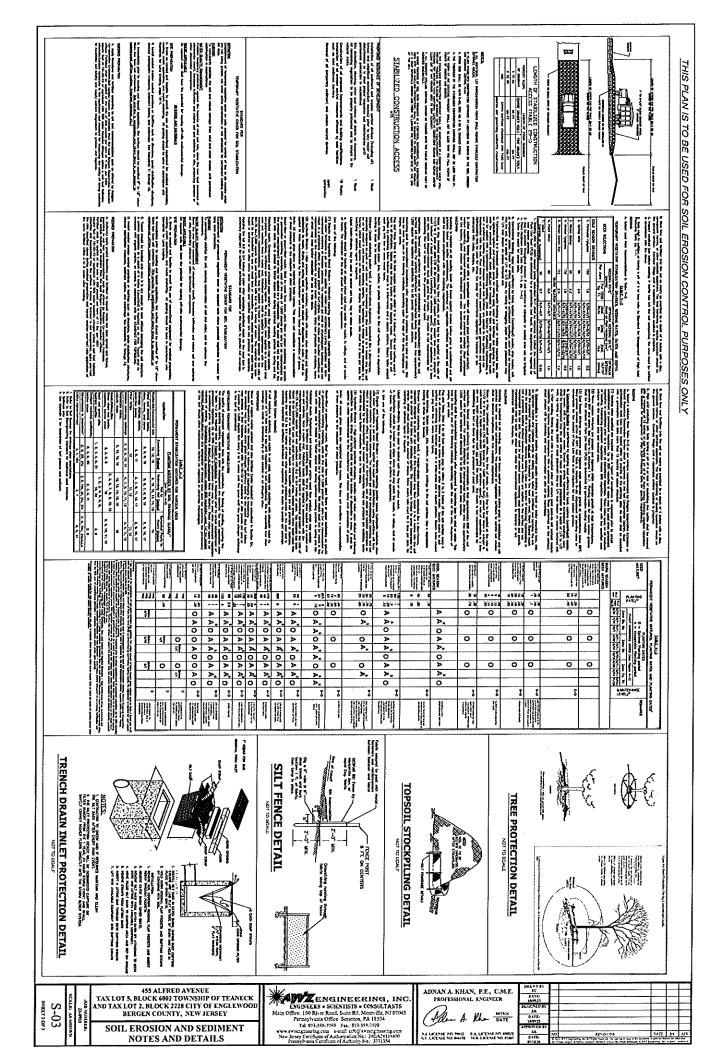
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THE COMMENT WERE THE MADE AND DESTRUCT HOUSED RECORD OF COMPLANCE, PRODE TO THE COMMENT WERE THE CONTROL OF COMPLANCE, PRODE TO THE CONTROL OF ANY REVISION TO THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL FLAN WE BY DIE BUSINETTED TO THE DISTRICT FOR REVIEW AND APPROVAL PRIDE TO YEMENIA FION IN THE FIELD. LCOPY OF THE CEXTIFIED BOIL EROSION AND SEDMENT CONTROL PLAN MUST WASABLE AT THE PROJECT SITE THROUGHOUT CONSTRUCTION. X BEHGEN GOLINTY BOK, CONGERVATION DISTRICT MAY REQUESY YONAL MOXIURED TO MINIMIZE ON OR DEF.MTE ENOBION PROBLEMS DURING TRUCTION.

455 ALFRED AVENUE TAN LOT 5, BLOCK 6602 TOWNSHIP OF TEANECK ND TAX LOT 2, BLOCK 2228 CTTY OF ENGLEWOOD BERGEN COUNTY, NEW JERSEY

SOIL EROSION AND SEDIMEN' NOTES AND DETAILS





MEMORANDUM

July 31, 2024

To: Chairman and Members of the Teaneck Planning Board

From: Farah Gilani, P.E., P.P., C.M.E.

RE: Site Plan Application – PB 2024-4 Nutra Leaf, LLC & T Verde LLC

> Block 6002 Lot 5 455 Alfred Avenue Teaneck, NJ 07666

This is an application for site plan approval and a C variance for the change of use to cannabis manufacturing, cultivation, and a retail micro dispensary for the sale of cannabis products. The applicant has provided following submissions in support of the application

- Site Plan Set, prepared by AWZ Engineering Inc. dated October 23, 2023, last revised on 4/19/2024.
- Topographic Survey prepared by Scot Den Bleyker, dated 10/4/2023.
- Architectural Plan Set, prepared by Vivid Arc, dated 2/2/2023.
- T-Verde, LLC and Nutra Leaf LLC Security Plan.
- T-Verde, LLC and Nutra Leaf LLC Oder Control Compliance Equipment Plan.
- Traffic Impact Study by Dynamic Traffic, dated 6/25/2024

We have reviewed the application and submissions and find that the application is **complete** for the board's consideration. Our comments are as follows:

- 1. The property is commonly known as 455 Alfred Ave and is lot 5 in Block 6002 on sheet 60 of the township Tax map and lot 2 of block 2228 of City of Englewood. The property is located in two towns.
- 2. The property is located in the L-I Light industrial zone.
- 3. The total size is 92,155.21 SF or 2.1156 Acres.
- 4. The property is currently fully developed.
- 5. Testimony on the Traffic & Parking operations shall be provided, including the future traffic operation of Alfred Avenue.
- 6. Parking spaces required are 79 whereas only 38 are provided. Variance is required.



- 7. The applicant's engineer shall provide testimony regarding adequate lighting. Site lighting in general appears to be low.
- 8. Provide the Township with a copy of any required permits.
- 9. The applicant's engineer shall consult with the Township's water purveyor and certify that adequate water supply exists to service the domestic and fire flow requirements for the project. The Township's fire department should be consulted on the proposed location and type of site fire hydrants.
- 10. The township's fire department should be consulted about access along the building.
- 11. A solid waste and recycling area is proposed. The applicant's engineer should provide testimony for the collection of solid waste and recyclable materials.
- 12. The applicant's engineer shall provide testimony regarding adequate drainage around the building.
- 13. The applicant's engineer shall provide testimony regarding any environmental issues.
- 14. The applicant's engineer shall provide projected sanitary sewage flow for the proposed project. A capacity analysis of the Township's sewage collection system in the immediate vicinity of the project may be warranted as a result of the anticipated flow.

cc: Mark Bocchino, Construction Official
Adam Myszka, Acting Zoning Official
Rosiland V. McLean, Technical assistant/Land Use

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