

COMMUNITY DEVELOPMENT DEPARTMENT

45175 Ten Mile Road Novi, MI 48375 (248) 347-0415 Phone (248) 735-5600 Facsimile www.cityofnovi.org

ZONING BOARD OF APPEALS STAFF REPORT

FOR: City of Novi Zoning Board of Appeals ZONING BOARD APPEALS DATE: February 9, 2021

REGARDING: 26222 Novi Road, Parcel # 50-22-14-352-002 (PZ21-0003)

BY: Larry Butler, Deputy Director Community Development

GENERAL INFORMATION:

Applicant

Novi Road Retail Management LLC

Variance Type **Dimensional Variance**

Property Characteristics

Zoning District: Location: Parcel #:

Town Center East of Novi Road and North of Grand River Avenue 50-22-14-352-002

Request

The applicant is requesting variances from the Novi Zoning Ordinance Section 3.1.25.D for a 5.2-foot exterior side yard (south) setback (20 feet required by code, variance of 14.8 feet). This property is zoned Town Center (TC).

II. STAFF COMMENTS:

III. RECOMMENDATION:

The Zoning Board of Appeals may take one of the following actions:

- 1. I move that we <u>grant</u> the variance in Case No. **PZ21-0003**, sought by for ______ because Petitioner has shown practical difficulty requiring
 - (a) Without the variance Petitioner will be unreasonably prevented or limited with respect to use of the property because_____
 - (b) The property is unique because_____

(c) Petitioner did not create the condition because

2.

	(d)	The pro	relief oerties	gran beca	ted will use	not	unrea	sonab	ly in	terfere	with	adjac	ent o	r surrour	nding
	(e)	The	relief	if c	onsisten	t with	the	spirit	anc	l inter	nt of	the c	ordinar	ice bec	ause
	(f)	The	varian	ce gra	anted is :	subjec	t to:								
			1										·		
			2										·		
			3										·		
			4										·		
I	moʻ	ve	that	we	<u>deny</u>	the	varia	nce	in	Case	No.	PZ21-	0003,	sought	by
for			iffi ou dia							becau	se Pe	etitione	er has	not sł	nown
pra		ai u	inicuity	requi	iing										·
	(a)	The incl exis	uding_ t aene	circur	nstance	s ut the (and City.		feat	tures	o are	f not ur	the nique k	pro pecause	perty they
	(b)	The	oirour	nato na		facture		+			tin a ta	the			toro
	(0)	self-	create	ed bec	ause			the pr	oper				ananc -	e reques	t are
	(c)	The ecc	failure nomic	e to gr	ant relie finan	ef will ro cial	esult ir return	n mere ba	e inc sed	onveni on	ence Petiti	or inat oners	oility to state	attain h ements	igher that
	(d)	The by_	variar	ice wo	ould resu	ılt in in	terfere	ence w	/ith tł	ne adja	acent	and su	rround	ing prop	erties
	(e)	Gra to	nting t	he va	riance w	vould k	be inco	onsiste	nt wi	th the	spirit a	ind inte	ent of t	he ordina	ance
												·································			

Should you have any further questions with regards to the matter please feel free to contact me at (248) 347-0417.

Larry Butler Deputy Director Community Development City of Novi



45175 Ten Mile Road Novi, MI 48375 (248) 347-0415 Phone (248) 735-5600 Facsimile www.cityofnovi.org

ZONING BOARD OF APPEALS APPLICATION

APPLICATION MUST BE FILLED OUT COMPLETELY

I. PROPERTY	INFORMA	TION (Ad	Application Fee:					
PROJECT NAME /	SUBDIVISION							
ADDRESS					LOT/SIUTE/SPACE #	Meeting Date:		
26222 Novi Rd							_	
sidwell # 50-22	1435	2002	_	May be o Departm	obtain from Assessing ent (248) 347-0485	ZBA Case #: P2	L	
CROSS ROADS O north east corner of N	F PROPERTY ovi Rd and Crowe	e Drive						
IS THE PROPERTY V	VITHIN A HOM	EOWNER'S AS	SSOCIATION J	URISDICTION?	REQUEST IS FOR:			
Sec. 10 YES) NO					IT PROPERTY SIGNAGE	
DOES YOUR API	PEAL RESULT	FROM A NO	DTICE OF VIC	DLATION OR	CITATION ISSUED?] yes 🗹 no		
II. APPLICAN	T INFORM	ATION						
A. APPLICAN	IT		EMAIL AD	DRESS Malriquea o	om	CELL PHONE NO. 989 615 7532		
NAME			neather	waniyusa.c		TELEPHONE NO.		
Heather Henik	а					248 289 7132		
ORGANIZATION/C	OMPANY					FAX NO.		
Novi Road Retai	I Manageme	nt LLC			CITY	STATE		
30200 Telegraph	n Rd, Ste 205	5			Bingham Farms	MI	48025	
B. PROPERTY	OWNER	🔀 СНЕСК І	HERE IF APPL	ICANT IS ALS	O THE PROPERTY OWNER			
Identify the pers	son or orgar	nization that	EMAIL A	DDRESS		CELL PHONE NO.		
OWNS THE SUDJEC	ct property:							
NAME						TELEPHONE NO.		
ORGANIZATION/C	OMPANY					FAX NO.		
ADDRESS					CITY	STATE	ZIP CODE	
III TONING I	NEORMAT	ION	and the second					
A. ZONING D	ISTRICT							
R-A	🗆 R-1	□ R-2	🗌 R-3	R-4	□ RM-1 □ RM-2	Пмн		
				REQUESTED				
1. Section	3.1.25.E))	Variance	requested	Parking Setback -	See attached let	ter	
2. Section	 ו		Variance	requested				
3. Sectior	 ו		Variance	requested				
4. Section	ı		Variance	requested				
IV EEES AND				1. Anno 1995 - Anno 1995 - Anno Anno 1995 - Anno				
A FFFS	DRAWNIN	103						
Sinale Fam	nilv Resider	ntial (Existin	a) \$200 🗆) (With Viol	ation) \$250 🗆 Sinale Fo	amily Residential (Nev	w) \$250	
Multiple/C	ommercia	I/Industrial	\$300 [) (With Viol	ation) \$400 🗌 Sians \$3	$300 \square$ (With Violation	n) \$400	
	ves \$300			Special M	eetings (At discretion o	f Board) \$600		
B. DRAWING	\$ 1-CO	PY & 1 DIG	ITAL COPY	SUBMITTED	AS A PDF			
• Dimensioned	d Drawings	and Plans	5		 Existing & propo 	sed distance to adja	cent property lines	
 Site/Plot Plan 	n				 Location of exist 	ing & proposed signs	, if applicable	
Existing or pr	oposed bu	uildings or o	addition of	n the prope	erty • Floor plans & ele	evations		
 Number & lo 	cation of	all on-site p	oarking, if a	applicable	 Any other inform 	nation relevant to the	Variance application	



V VABIANCE

ν.	VARIANCE	
Α.	VARIANCE (S)	REQUESTED

✓ DIMENSIONAL □ USE SIGN

There is a five-(5) hold period before work/action can be taken on variance approvals.

B. SIGN CASES (ONLY)

Your signature on this application indicates that you agree to install a Mock-Up Sign ten-(10) days before the schedule ZBA meeting. Failure to install a mock-up sign may result in your case not being heard by the Board, postponed to the next schedule ZBA meeting, or cancelled. A mock-up sign is **NOT** to be actual sign, Upon approval, the mock-up sign must be removed within five-(5) days of the meeting. If the case is denied, the applicant is responsible for all costs involved in the removal of the mock-up or actual sign (if erected under violation) within five-(5) days of the meeting.

C. ORDINANCE

City of Novi Ordinance, Section 3107 – Miscellaneous

No order of the Board permitting the erection of a building shall be valid for a period longer than one-(1) year, unless a building permit for such erection or alteration is obtained within such period and such erection or alteration is started and proceeds to completion in accordance with the terms of such permit.

No order of the Board permitting a use of a building or premises shall be valid for a period longer than one-hundred and eighty-(180) days unless such use is establish within such a period; provided, however, where such use permitted is dependent upon the erection or alteration or a building such order shall continue in force and effect if a building permit for such erection or alteration is obtained within one-(1) year and such erection or alteration is started and proceeds to completion in accordance with the terms of such permit.

D. APPEAL THE DETERMINATION OF THE BUILDING OFFICIAL

PLEASE TAKE NOTICE:

The undersigned hereby appeals the determination of the Building Official / Inspector or Ordinance made

CONSTRUCT NEW HOME/BUILDING	ADDITION TO EXISTING HOME/BUILDING	□ SIGNAGE
-----------------------------	------------------------------------	-----------

□ ACCESSORY BUILDING

USE USE

VI. APPLICANT & PROPERTY SIGNATURES

A. APPLICANT

Heather Henika

1/4/2021

Applicant Signature

Date

B. PROPERTY OWNER

If the applicant is not the owner, the property owner must read and sign below:

The undersigned affirms and acknowledges that he, she or they are the owner(s) of the property described in this application, and is/are aware of the contents of this application and related enclosures.

Property Owner Sic

1/4/2021 Date

VII. FOR OFFICIAL USE ONLY DECISION ON APPEAL:

GRANTED

DENIED

The Building Inspector is hereby directed to issue a permit to the Applicant upon the following and conditions:

Chairperson, Zoning Board of Appeals

Date

L A W O F F I C E S LANDRY, MAZZEO & DEMBINSKI, P.C. 37000 GRAND RIVER AVENUE SUITE 200 FARMINGTON HILLS, MICHIGAN 48335 www.Imdlaw.com

D. B. LANDRY dlandry@lmdlaw.com те L е р н о n е (248) 476-6900

FACSIMILE (248) 476-6564

January 4, 2021

VIA HAND DELIVERY

City of Novi Zoning Board of Appeals 45175 Ten Mile Road Novi, MI 48375

Attention: Chairperson Peddiboyina and ZBA Members

RE: Storie Lou Plaza Application for parking setback variance

Dear Mr. Peddiboyina and ZBA Members:

This office represents the applicant, Novi Road Retail Management, LLC, with respect to an Application to this Zoning Board of Appeals for a variance from the parking setback requirements contained within the City of Novi Zoning Ordinance applicable to this property. Attached is a completed Application For Variance from the parking setback requirements of the City of Novi Zoning Ordinance, Section 3.1.25D. This letter will provide background on the site itself, the proposed development and the basis for this variance application.

The site is located on the northeast corner of Novi Road and Crowe Drive. It is currently unoccupied. It is the former site of a 5/3 Bank. There is a single structure on the site and the site has two curb cuts: one onto Novi Road to the west and the other onto Crowe Drive to the south. The planned redevelopment of this site will eliminate the curb cut onto Novi Road.

The proposed redevelopment would maximize conformance with the intent of TC zoning district on a unique parcel of land which is both small, 1.17 acres, and uniquely surrounded on three sides by public and private streets. This project is scheduled for consideration by the Novi Planning Commission at its January 13, 2021 meeting. All administrative reviews have recommended approval of the Preliminary Site Plan. This certainly speaks to the efficacy of the proposed development in achieving the goals of the City of Novi Zoning Ordinance, the TC zoning district and the City's Master Plan For Land Use.

January 4, 2021 Page 2

The applicant seeks a single variance from the parking setback requirements for the side yard (south side) along Crowe Drive. The Zoning Ordinance section 3.1.25.D sets forth a 20 foot side yard parking setback. The applicant is proposing a 5.2 foot parking setback. Please note: the sight currently (for the former 5/3 bank) has only an 8.4 foot parking setback. We respectfully request the ZBA to take into consideration the following.

1. Improvements To The Existing Site.

The proposed development replaces an existing single use building with a multitenant building. That alone is more compatible with the intent of the TC zoning district. The proposed redevelopment is almost identical to the Novi Town Center Plaza LLC redevelopment to the south across Crowe Drive, which was itself a redevelopment of the former Kim's Gardens Restaurant, which redevelopment was approved by the City in 2017 with several parking setback waivers from the ZBA. As such the proposed redevelopment will be architecturally consistent with the Novi Town Center Plaza LLC immediately to the south across Crowe Drive as well as the existing Town Center out buildings further to the south. In keeping with the amenity requirements of the TC zoning district and mirroring the development to the south the applicant has created a pedestrian plaza along Novi Road. The applicant also eliminates a curb cut along Novi Road leaving a single safe curb cut on the southern boundary along Crowe Drive across from the existing curb cut for the development to the south. The proposed development includes the installation of a pedestrian sidewalk along Crowe Drive and the installation of a decorative brick wall with a railing on top, again, mirroring the development to the south of Crowe Drive. (See attached photographs of existing decorative wall with railing on the south side of Crowe Drive.) This redevelopment will create a consistent look along the east side of Novi road and create a consistent architectural and planning look along Crowe Drive.

2. Practical Difficulties.

The practical difficulties which arise are a result of the small size of the property coupled with the intent of the TC District to promote "the development of a pedestrian accessible, commercial service district in which a variety of retail, commercial, office, . . . uses. . . " and the unique circumstance of the property being surrounded on three sides by public and private streets. In the entire Town Center commercial/retail development, this is one of the smallest parcels which is bounded on three sides by

January 4, 2021 Page 3

public streets. The applicant requests that the ZBA take into consideration the positive and mitigating impacts of these unique circumstances. To achieve the desired number of parking spaces to safely serve this building a single parking setback variance is required. The site developments to the south within the proposed parking setback are significant, including a sidewalk and a decorative brick wall topped with a decorative wrought iron type railing. Please note, the applicant does not seek to eliminate the parking setback but only reduce it. Moreover, the decorative brick wall topped with a wrought iron railing serves to not only add to the architectural theme but will in fact shield the parking from view by traffic along Crowe Drive. Moreover, the elimination of the dangerous curb cut on Novi Road improves the overall safety of the site. It is respectfully suggested that the proposed plan is entirely consistent with the TC District intent and improves the safety and architectural consistency of the TC District.

3. Review Standards For A Dimensional Variance.

Standard #1 - Circumstances or Physical Conditions. The unique circumstances/physical condition of this property is that it is one of the only properties of its small size, approximately 1.17 acre, that is surrounded on three sides by public and private streets in the Town Center district. These streets are designed to convey extensive traffic in and out of the Town Center while the stated intent of the TC District is to "promote the development of a pedestrian accessible, commercial service district in which a variety of retail, commercial, office . . . uses. . . are permitted." The applicant has certainly proposed a development that provides a pedestrian accessible site that provides commercial, and restaurant uses. The key to this proposed development is that it achieves the stated intent of the TC District on this site along with the elimination of yet another curb cut on Novi Road. By routing all traffic into this site from Crowe Drive and aligning that curb cut with the existing curb cut to the south (for the Novi Town Center Plaza LLC) this proposed development creates a much safer site. The existing site compounds the traffic problems along Novi Road. Currently, there is traffic constantly turning into the car wash to the south and also turning into the Town Center on Crowe Drive. The existing site adds yet another stream of traffic turning off Novi Road into this site. Indeed, the size and shape of this lot, bounded by three streets, is unique and the proposed development greatly improves the safety of the site by eliminating the curb cut along Novi Road. To provide a viable project for the uses intended by the TC Zoning District a parking setback variance is, therefore, required.

January 4, 2021 Page 4

Standard #2 – Not Self-Created. The need for the parking setback variance is not selfcreated. The Applicant did not develop the Town Center and did not layout the streets or create this unique piece of property of such a small site surrounded on three sides by public and private streets. A parking setback variance is needed in order to develop this property in conformance with and to maximize all of the goals of the TC zoning district and to develop this piece of property to promote and integrate both pedestrian accessibility and safety of those pedestrians and motorists.

Standard #3 – Strict Compliance. The applicant is striving to redevelop this site to maximize the development with the purpose of a TC zoning district and the surrounding Town Center development. The applicant's proposed development changes the existing character of the site from a single use to a multi-use building located immediately adjacent to Novi Road, aligned with and architecturally similar to the developments to the south. The proposed development encourages pedestrian use by creating a pedestrian plaza in front of the building along Novi Road and adding a sidewalk along Crowe Drive. This development is consistent with the purposes of the TC district and creates a "pedestrian accessible" development which includes a "variety of uses". A strict compliance with the full 20 feet parking setback will unreasonably prevent the use of the property for the permitted and desired use in the TC district and render absolute conformity unreasonably burdensome. Please note: the existing 5/3 bank site has only an 8.4 foot setback.) Any further decrease in the size of this building would decrease the theme along Novi Road of multi-use buildings close to Novi Road.

Standard #4 – Minimum Variance Necessary. The requested parking variance is an improvement from the existing conditions and is the minimum variance necessary to achieve a functional, efficient and safe development which is consistent with purposes of not only the Zoning Ordinance but the Master Plan for Land Use. The variance being sought is a 14.8 foot variance. (20 feet required – 5.2 feet provided). Please note, the applicant is not requesting a variance to eliminate the entire parking setback. Attached hereto are the minutes from the ZBA meeting of January 11, 2011 wherein Walmart was granted four separate parking setback variances of 0 feet! Thus, within this very same TC district a former applicant was allowed variances to *eliminate entirely* four parking setback variances. We are requesting only the minimum variance necessary to allow the proper development of the site consistent with the TC district standards.

Standard #5 - No Adverse Impact on Surrounding Area. By eliminating the curb cut along Novi Road the safety of traffic along Novi Road is improved. The proposed development significantly improves the impact on surrounding properties. To the west, a

January 4, 2021 Page 5

pedestrian plaza is being developed along Novi Road. To the south a sidewalk will be installed with a decorative brick wall topped with a wrought iron type railing. Thus, safe pedestrian walkways will be created by the applicant for pedestrian access to the entire Town Center area along Crowe Drive. The decorative brick wall with wrought iron type railing on top will screen from view the parking along Crowe Drive, where the parking setback is being requested. Thus, a parking setback variance will not adversely impact surrounding properties. Redeveloping this site to be consistent with the existing surrounding properties will only have a positive impact.

4. Conclusion.

The proposed development is compatible with the intent of the TC zoning ordinance, compatible with the Master Plan For Land Use, achieves consistency with the existing architecture of the Town Center out lot developments to the south and significantly improves the pedestrian and vehicular safety of the site and of Novi Road. This proposed development will increase pedestrian access to the very large Town Center development via the sidewalk along Crowe Drive.

It is also suggested that the ZBA consider the scope of the requested variance in relation to the benefits of the proposed development. The applicant is *not seeking a variance in the required number of parking spaces* but only a reduction in the *parking setbacks*. All required parking is being provided in a safe manner approved by the Novi Fire Department. Moreover, the parking along this setback will be screened from view by the brick wall with railing. Given the multiple benefits provided by this proposal the applicant respectfully requests a single variance from the parking setback requirements.

Very truly yours,

LANDRY, MAZZEO & DEMBINSKI, P.C.

David B. Landry

DBL/rr Enclosures



LOCATION MAP SCALE: I" = 2,000'±



AERIAL MAP SCALE: |" = 100'±

PROPERTY DESCRIPTION

PARCEL ID: 22-14-352-002

LAND SITUATED IN THE CITY OF NOVI, COUNTY OF OAKLAND, STATE OF MICHIGAN, DESCRIBED AS FOLLOWS:

ALL THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 14, TOWN NORTH, RANGE 8 EAST, CITY OF NOVI, OAKLAND COUNTY, MICHIGAN, DESCRIBED AS: BEGINNING ON THE WEST LINE OF SECTION 14, WHICH LINE IS ALSO THE CENTERLINE OF NOVI ROAD, 66 FEET WIDE, AT A POINT DISTANT DUE NORTH 537.18 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION 14; THENCE CONTINUING ALONG THE WEST LINE OF SAID SECTION 14, DUE NORTH 188.62 FEET; THENCE SOUTH 89 DEGREES 47 MINUTES 40 SECONDS EAST 328.40 FEET; THENCE SOUTH 00 DEGREES 52 MINUTES 00 SECONDS WEST 187.06 FEET; THENCE SOUTH 89 DEGREES 55 MINUTES 45 SECONDS WEST 325.50 FEET TO THE POINT OF BEGINNING, EXCEPT THE WEST 55 FEET DEEDED FOR ROAD PURPOSES.

PARCEL AS DESCRIBED: ±51,051 SQ. FT. (±1.17 ACRES)



Know what's **below Call** before you dig.

SITE DEVELOPMENT PLANS FOR

STORIE LOU PLAZA

26222 NOVI ROAD **PROPOSED MULTI-TENANT COMMERCIAL BUILDING**

PARCEL ID: 22-14-352-002 26222 NOVI ROAD CITY OF NOVI, OAKLAND COUNTY, MICHIGAN



ZONING MAP

SCALE: I" = 200'±

PLAN REFERENCE MATERIALS:

I. THIS PLAN SET REFERENCES THE FOLLOWING DOCUMENTS INCLUDING, BUT NOT LIMITED TO: ALTA / NSPS LAND TITLE SURVEY PREPARED BY CORE

- LAND CONSULTING, DATED 09/24/2020 ARCHITECTURAL PLANS PREPARED BY DETROIT
- ARCHITECTURAL GROUP, RECEIVED 09/16/2020 AERIAL MAP OBTAINED FROM GOOGLE EARTH PRO
- LOCATION MAP OBTAINED FROM USGS ONLINE NATION MAP
- 2. ALL REFERENCE MATERIAL LISTED ABOVE SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THESE MATERIALS SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF EACH REFERENCE AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION

ALL WORK SHALL CONFORM TO THE CURRENT CITY OF NOVI STANDARDS **& SPECIFICATIONS**

PLANS PREPARED BY:



Detroit, MI · Rutherford, NJ · New York, NY Princeton, NJ \cdot Tampa, FL \cdot Boston, MA www.stonefieldeng.com

607 Shelby Suite 200, Detroit, MI 48226 Phone 248.247.1115



APPLICANT

NOVI ROAD RETAIL MANAGEMENT, LLC 0200 TELEGRAPH ROAD, SUITE 205 **BINGHAM FARMS, MI 48205** 248-646-9999



SHEET INDEX	
DRAWING TITLE	SHEET #
COVER SHEET	C-1
DEMOLITION PLAN	C-2
SITE PLAN	C-3
GRADING PLAN	C-4
UTILITY & STORMWATER MANAGEMENT PLAN	C-5
LIGHTING PLAN	C-6
LANDSCAPING PLAN	C-7
LANDSCAPING DETAILS	C-8
SOIL EROSION & SEDIMENT CONTROL PLAN	C-9
CONSTRUCTION DETAILS	C-10 THRU C-12

ADDITIONAL SHE	ETS
DRAWING TITLE	SHEET #
VEHICLE CIRCULATION EXHIBIT	EX-I
OPEN SPACE EXHIBIT	EX-2
ALTA / NSPS LAND TITLE SURVEY	I OF I
	TP-I

INGERSO	TC	





TREE REMOVAL REQUIREMENTS; 37-8					
REMOVED TREE D.B.H. (IN INCHES)	RATIO REPLACEMENT/REMOVED TREES	NUMBER OF TREE TO BE REMOVED			
8 < 11	I TREE	0 TREES			
> 11 < 20	2 TREES	5 TREES			
> 20 < 29	3 TREES	0 TREES			
> 30	4 TREES	0 TREES			

TOTAL REPLACEMENT TREES REQUIRED

LANDSCAPE TREE CREDIT CHART; LDM 9.b(f)				
DIAMETER OF TRUNK OF PRESERVED TREE (CALIPER INCHES)	NUMBER OF TREE CREDITS	NUMBER OF TREES TO BE PRESERVED		
36" OR GREATER	7 TREES	0 TREES		
> 29" TO 36"	6 TREES	0 TREES		
> 23" TO 29"	5 TREES	I TREE		
> 17" TO 23"	4 TREES	2 TREES		
> 12" TO 17"	3 TREES	5 TREES		
> 7" TO 12"	2 TREES	0 TREES		
3" TO 7"	I TREES	0 TREES		
TOTAL REPLACEMENT TREES REQUI $[5 \times 1 = 5 \text{ TREE CREDITS}]$ $[4 \times 2 = 8 \text{ TREE CREDITS}]$ $[3 \times 5 = 15 \text{ TREE CREDITS}]$	28 TREE CREDITS			



LAND USE A	ND ZONING	
PARCEL ID: 2	2-14-352-002	
TOWN CENTER	DISTRICT (TC)	
PROPOSED USE		
PERMITTED USES WITHIN THE TOWN	CENTER DISTRICT	
ZONING REQUIREMENT	REQUIRED	PF
MINIMUM LOT AREA ⁽¹⁾	N/A	5
MINIMUM OPEN SPACE	15% (7,515 SF)	2
MAXIMUM BUILDING HEIGHT	65 FT (5 STORIES)	2
MINIMUM NOVI ROAD SETBACK ⁽²⁾	15 FT	15
MINIMUM CROWE ROAD SETBACK ⁽²⁾	15 FT	7
MINIMUM NORTH YARD SETBACK ⁽²⁾	10 FT	2
MINIMUM EAST YARD SETBACK ⁽²⁾	10 FT	17
MINIMUM NOVI ROAD PARKING SETBACK	20 FT	2
MINIMUM CROWE ROAD PARKING SETBACK	20 FT	5
MINIMUM NORTH SIDE PARKING SETBACK	20 FT	2
MINIMUM EAST SIDE PARKING SETBACK	10 FT	10
MINIMUM NOVI R.O.W GREENBELT	20 FT	2
MINIMUM CROWE R.O.W GREENBELT	20 FT	5

EXECUTIVE, ADMINISTRATIVE, AND MEDICAL USES, INCLUDING THE OFFICES OF ARCHITECTS, ACCOUNTANTS, INSURANCE, DOCTORS, DENTISTS, GOVERNMENT AND FINANCIAL INSTITUTIONS.

(V) VARIANCE (W) WAIVER

PROPOSED LOT AREA EXCLUDES THE NOVI ROAD RIGHT-OF-WAY (0.26 AC) (1)

REQUIREMENTS FROM CITY COMMENTS RECEIVED ON 7/7/2020 CONCEPTUAL MEETING (2)

OFF-STREET PARKING REQUIREMEN				
CODE SECTION	REQUIRED	F		
§ 5.2.12.C.b	RESTAURANT (SIT DOWN):			
	I SPACES PER 70 SF GROSS FLOOR AREA			
	(3,500 SF)(1 / 70 SF) = 50 SPACES			
	RETAIL:			
	I SPACE PER 200 SF GROSS LEASABLE AREA			
	(3,500 SF)(1 SPACE / 200 SF) = 18 SPACES			
	TOTAL SPACES: 50 + 18 = 68 SPACES*			
§ 5.3.2	90° PARKING:			
	9 FT X 19 FT WITH 6-IN CURB			
	9 FT X 17 FT WITH 4-IN CURB			
	24 FT DRIVE AISLE			
§ 5.4.2	LOADING:			
	10 SF PER 1 FT OF FRONTAGE			
	(88 FT)(10 SF/FT) = 880 SF			
§ 5.16.1	BICYCLE PARKING:			
	5% REQUIRED AUTOMOBILE SPACES (MIN. 2)			
	(68 SPACES) (0.05) = 3 SPACES			
(*) REQUIRED P	ARKING SPACES MAY BE REDUCED BY I FOR EVERY	10		

(ZONING RELIEF
	REQUIRED
	MINIMUM CROWE R.O.W. PARKING SETBACK
Į	MINIMUM CROWE GREENBELT

M.U.T.C.D.	TEVT	СС	SIZE OF SIGN		
NUMBER	TEXT	LEGEND	BACKGROUND	HEIGHT)	
STOP SIGN (R1-1)	STOP	RED	WHITE	36"x36"	

I. ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), EXCEPT AS NOTED. 2. ALL SIGNS SHALL BE MOUNTED AS TO NOT OBSTRUCT THE SHAPE OF "STOP" (RI-I) AND "YIELD" (RI-2) SIGNS. 3. FHWA STANDARD ALPHABET SERIES USED FOR ALL SIGN LANGUAGE

4. HIGH-INTENSITY PRISMATIC (HIP) SHEETING TO MEET FHWA RETRO-REFLECTIVITY

SIGN DATA TABLE NOT TO SCALE







GRADING NOTES

- I. ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.
- 2. THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.
- 3. PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 4 INCHES TO 7 INCHES ABOVE EXISTING GRADES UNLESS OTHERWISE NOTED. THE CONTRACTOR WILL SUPPLY ALL STAKEOUT CURB GRADE SHEETS TO STONEFIELD ENGINEERING & DESIGN, LLC. FOR REVIEW AND APPROVAL PRIOR TO POURING CURBS.
- 4. THE CONTRACTOR IS RESPONSIBLE TO SET ALL PROPOSED UTILITY COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROJECT LIMITS TO PROPOSED GRADE IN ACCORDANCE WITH ANY APPLICABLE MUNICIPAL, COUNTY, STATE AND/OR UTILITY AUTHORITY REGULATIONS. 5. MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS:
- CURB GUTTER: 0.50%
 CONCRETE SURFACES: 1.00%
- ASPHALT SURFACES: 1.00% 6. A MINIMUM SLOPE OF 1.00% SHALL BE PROVIDED AWAY FROM ALL BUILDINGS. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE BUILDING IS ACHIEVED AND SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF THIS CONDITION CANNOT BE MET.
- 7. FOR PROJECTS WHERE BASEMENTS ARE PROPOSED, THE DEVELOPER IS RESPONSIBLE TO DETERMINE THE DEPTH TO GROUNDWATER AT THE LOCATION OF THE PROPOSED STRUCTURE. IF GROUNDWATER IS ENCOUNTERED WITHIN THE BASEMENT AREA, SPECIAL CONSTRUCTION METHODS SHALL BE UTILIZED AND REVIEWED/APPROVED BY THE CONSTRUCTION CODE OFFICIAL. IF SUMP PUMPS ARE UTILIZED, ALL DISCHARGES SHALL BE CONNECTED DIRECTLY TO THE PUBLIC STORM SEWER SYSTEM WITH APPROVAL

FROM THE GOVERNING STORM SEWER SYSTEM AUTHORITY. ADA NOTES

- I. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION WITHIN THE ADA PARKING SPACES AND ACCESS AISLES.
- 2. THE CONTRACTOR SHALL PROVIDE COMPLIANT SIGNAGE AT ALL ADA PARKING AREAS IN ACCORDANCE WITH STATE GUIDELINES. 3. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 5.00% RUNNING SLOPE AND A MAXIMUM OF 2.00% CROSS SLOPE ALONG WALKWAYS
- WITHIN THE ACCESSIBLE PATH OF TRAVEL (SEE THE SITE PLAN FOR THE LOCATION OF THE ACCESSIBLE PATH). THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE ACCESSIBLE PATH OF TRAVEL IS 36 INCHES WIDE OR GREATER UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. 4. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION AT ALL LANDINGS. LANDINGS INCLUDE, BUT ARE
- NOT LIMITED TO, THE TOP AND BOTTOM OF AN ACCESSIBLE RAMP, AT ACCESSIBLE BUILDING ENTRANCES, AT AN AREA IN FRONT OF A WALK-UP ATM, AND AT TURNING SPACES ALONG THE ACCESSIBLE PATH OF TRAVEL. THE LANDING AREA SHALL HAVE A MINIMUM CLEAR AREA OF 60 INCHES BY 60 INCHES UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. 5. THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 8.33% RUNNING
- SLOPE AND A MAXIMUM 2.00% CROSS SLOPE ON ANY CURB RAMPS ALONG THE ACCESSIBLE PATH OF TRAVEL. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 10.00% IF A LANDING AREA IS PROVIDED AT THE TOP OF THE RAMP. FOR ALTERATIONS, A CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 8.33% IF A LANDING AREA IS NOT PROVIDED AT THE TOP OF THE RAMP. CURBS RAMPS SHALL NOT RISE MORE THAN 6 INCHES IN ELEVATION WITHOUT A HANDRAIL. THE CLEAR WIDTH OF A CURB RAMP SHALL BE NO LESS THAN 36 INCHES WIDE.
- 6. ACCESSIBLE RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL CONTAIN COMPLIANT HANDRAILS ON BOTH SIDES OF THE RAMP AND SHALL NOT RISE MORE THAN 30" IN ELEVATION WITHOUT A LANDING AREA IN BETWEEN RAMP RUNS. LANDING AREAS SHALL ALSO BE PROVIDED AT THE TOP AND BOTTOM OF THE RAMP. 7. A SLIP RESISTANT SURFACE SHALL BE CONSTRUCTED ALONG THE
- ACCESSIBLE PATH AND WITHIN ADA PARKING AREAS. 8. THE CONTRACTOR SHALL ENSURE A MAXIMUM OF 1/4 INCHES VERTICAL CHANGE IN LEVEL ALONG THE ACCESSIBLE PATH. WHERE A CHANGE IN LEVEL BETWEEN 1/4 INCHES AND 1/2 INCHES EXISTS, CONTRACTOR SHALL ENSURE THAT THE TOP 1/4 INCH CHANGE IN LEVEL IS BEVELED WITH A SLOPE NOT STEEPER THAN I UNIT VERTICAL AND 2 UNITS HORIZONTAL (2:1 SLOPE).
- 9. THE CONTRACTOR SHALL ENSURE THAT ANY OPENINGS (GAPS OR HORIZONTAL SEPARATION) ALONG THE ACCESSIBLE PATH SHALL NOT ALLOW PASSAGE OF A SPHERE GREATER THAN 1/2 INCH.



NO	T APPRC)VED I	FOR C	2 3 11/24/2020 MG FOR OWNER REVIEW	2 III/II/2020 MG FOR OWNER REVIEW	G I 09/16/2020 AF/MG FOR PRELIMINARY SITE PLAN APPROVAL	SUE DATE BY DESCRIPTION
	STONEFIELD		Detroit, MI · Rutherford, NJ · New York, NY	Frinceton, NJ • Lampa, FL • Boston, MA		207 Shallon Suite 200 Dataoit MI 18322	90/ 3116107 30116 200, Detroit, 111 40220 Phone 248.247.1115
SITE DEVELOPMENT PLANS	STORIE LOU PLAZA	26222 NOVI ROAD	PROPOSED MULTI-TENANT	COMMERCIAL BUILDING	SECTION 14	PARCEL ID: 22-14-352-002	CITY OF NOVI OAKLAND COUNTY, MICHIGAN
		GAN LIC ED PROF		0.620 AL EN	10694 GINEI	- 28 ER	
SCALE TITLE: DRAW		" = 20'	PROJ			DET-	200133



STOR	MWATER M (Based on th	IANAGE ne City of Novi Eng	MENT CALCU gineering Design Manual)	LATIO
Project: 26222 Novi	Road, Novi, MI		Designer: MG	
COMPOSITE C VALUE				
Landcover	Area (SF)		C-Value*	
Building / Roof	7,000	×	0.95	=
Asphalt or Concrete Pavements	29,161	x	0.95	=
Open Space (HSG C <4% Slope)	13,948	×	0.30	=
Subtotals	50,109	SF		
	1			
Total Area (Acres) *C-values obtained from City of Novi Er	I.I5 ngineering Design Manua	al	Composite	C Value, C
Total Area (Acres) *C-values obtained from City of Novi Er ALLOWABLE SITE DISCHA Site Area, A: I.	II.IS Degineering Design Manua RGE & BASIN DI	al Relati	Composite ve Imperviousness C ATIO *Allowable Disc	C Value, C Value, C _{IMF} harge Ratic
Total Area (Acres) *C-values obtained from City of Novi En ALLOWABLE SITE DISCHA Site Area, A: I. *Allowable discharge ratio based on City	I.15 ngineering Design Manua RGE & BASIN DI 15 AC y of Novi Engineering De	al Relati SCHARGE R	Composite ive Imperviousness C ATIO *Allowable Disc Allowable Site Disc	C Value, C Value, C _{IMF} harge Ratic
Total Area (Acres) *C-values obtained from City of Novi Er ALLOWABLE SITE DISCHA Site Area, A: I. *Allowable discharge ratio based on City Q = Q _A / (A * C)	II.IS Orgineering Design Manua INGE & BASIN DI ISAC Y of Novi Engineering De	al Relati SCHARGE R	Composite ve Imperviousness C ATIO *Allowable Disc Allowable Site Dis Basin Dischar	C Value, C Value, C _{IMF} harge Ratic scharge, Q ₄ ge Ratio, Q
Total Area (Acres)*C-values obtained from City of Novi ErALLOWABLE SITE DISCHASite Area, A:I.*Allowable discharge ratio based on City $Q = Q_A / (A * C)$ BASIN STORAGE TIME	I.15 agineering Design Manue RGE & BASIN DI 15 AC y of Novi Engineering De	al Relati SCHARGE R	Composite ive Imperviousness C ATIO *Allowable Disc Allowable Site Dis Basin Dischar	C Value, C Value, C _{IMF} harge Ratic scharge, Q ₄ ge Ratio, Q
Total Area (Acres) *C-values obtained from City of Novi Er ALLOWABLE SITE DISCHA Site Area, A: I. *Allowable discharge ratio based on City Q = Q _A / (A * C) BASIN STORAGE TIME Design Storm Frequence	II.I5 Ingineering Design Manual INGE & BASIN DI ISAC Y of Novi Engineering De Y: 100 YR	al Relati SCHARGE R	Composite ive Imperviousness C ATIO *Allowable Disc Allowable Site Dis Basin Dischar	C Value, C Value, C _{IMF} harge Ratic scharge, Q ₄ ge Ratio, Q
Total Area (Acres)*C-values obtained from City of Novi ErALLOWABLE SITE DISCHASite Area, A:I.*Allowable discharge ratio based on City $Q = Q_A / (A * C)$ BASIN STORAGE TIMEDesign Storm Frequenc $T = -25 + (10,312.5 / Q)^0.5$	II.15 agineering Design Manue RGE & BASIN DI IS AC y of Novi Engineering De y: 100 YR	al Relati SCHARGE R	Composite ive Imperviousness C ATIO *Allowable Disc Allowable Site Dis Basin Dischar	C Value, C Value, C _{IMF} harge Ratic scharge, Q ₄ ge Ratio, Q
Total Area (Acres) *C-values obtained from City of Novi Er ALLOWABLE SITE DISCHA Site Area, A: I. *Allowable discharge ratio based on City Q = Q _A / (A * C) BASIN STORAGE TIME Design Storm Frequence T = -25 + (10,312.5 / Q)^0.5 BASIN VOLUME REQUIRED	II.IS agineering Design Manua RGE & BASIN DI IS AC y of Novi Engineering De y: 100 YR	al Relati	Composite ive Imperviousness C ATIO *Allowable Disc Allowable Site Dis Basin Dischar Basin Stora	C Value, C Value, C _{IMF} harge Ratic scharge, Q ₄ ge Ratio, Q
Total Area (Acres)*C-values obtained from City of Novi ErALLOWABLE SITE DISCHASite Area, A:I.*Allowable discharge ratio based on City $Q = Q_A / (A * C)$ BASIN STORAGE TIMEDesign Storm Frequence $T = -25 + (10,312.5 / Q)^{0.5}$ BASIN VOLUME REQUIRED $V = (16,500 * T / (T + 25)) - 4$	II.I5 agineering Design Manual RGE & BASIN DI I5 AC y of Novi Engineering De y: 100 YR 0 * Q * T	al Relati SCHARGE R	Composite ive Imperviousness C ATIO *Allowable Disc Allowable Site Disc Basin Dischar Basin Stora	C Value, C Value, C _{IMF} harge Ratic scharge, Q ₄ ge Ratio, Q age Time, 1

UTILITY QUANTITIES 2" 'TYPE K' COPPER 8" TAPPING SLEEVE, VALVE, & WELL 6" PVC SDR 23.5 PIPE SANITARY CLEANOUT SANITARY MONITORING MANHOLE GAS LINE ELECTRICAL CONDUIT STORM - 12" RCP III STORM - 12" RCP V STORM - 6" HDPE ROOF LINE STORM - CATCH BASINS STORM - MANHOLE STORM- YARD INLET STORM - WATER QUALITY UNIT STORM - OUTLET STRUCTURE

FOR MUNICIPAL REFERENCE ONLY. CONTRACTOR TO VERIFY QUANTITIES PRIOR TO CONSTRUCTION.



DRAINAGE AND UTILITY NOTES

- I. THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A DISCREPANCY EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IMMEDIATELY IN WRITING.
- THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN IN OPERATION ALL UTILITIES NOT DESIGNATED TO BE REMOVED.
 THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY EXISTING UTILITY IDENTIFIED TO REMAIN WITHIN THE LIMITS OF
- THE PROPOSED WORK DURING CONSTRUCTION.
 A MINIMUM HORIZONTAL SEPARATION OF 10 FEET IS REQUIRED BETWEEN ANY SANITARY SEWER SERVICE AND ANY WATER LINES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASEMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE
- AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
 5. ALL WATER LINES SHALL BE VERTICALLY SEPARATED ABOVE SANITARY SEWER LINES BY A MINIMUM DISTANCE OF 18 INCHES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASEMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
 6. THE CONTRACTOR TO PERFORM A TEST PIT PRIOR TO
- CONSTRUCTION (RECOMMEND 30 DAYS PRIOR) AT LOCATIONS OF EXISTING UTILITY CROSSINGS FOR WATER AND SANITARY SEWER CONNECTION IMPROVEMENTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING GAS, ELECTRIC AND TELECOMMUNICATION CONNECTIONS WITH THE APPROPRIATE GOVERNING AUTHORITY.
 CONTRACTOR SHALL START CONSTRUCTION OF ANY GRAVITY
- SEWER AT THE LOWEST INVERT AND WORK UP-GRADIENT. 9. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD SET OF PLANS REFLECTING THE LOCATION OF EXISTING UTILITIES THAT HAVE BEEN CAPPED, ABANDONED, OR RELOCATED BASED ON THE DEMOLITION/REMOVAL ACTIVITIES REQUIRED IN THIS PLAN SET. THIS DOCUMENT SHALL BE PROVIDED TO THE OWNER FOLLOWING
- COMPLETION OF WORK.
 10. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD OF THE AS-BUILT LOCATIONS OF ALL PROPOSED UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN THE AS-BUILT LOCATIONS AND THE LOCATIONS DEPICTED WITHIN THE PLAN SET. THIS RECORD SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.
 11. COMPACTED SAND BACKFILL (MDOT SAND CLASS 2) SHALL BE PROVIDED FOR ALL UTILITIES WITHIN THE INFLUENCE OF PAVED

AREAS

GRAPHIC SCALE IN FEET I" = 20'



																												Ι	
+0.0	+0.0	+0.0	⁺ 0.0	+0.0	+0 .0	+0.0	⁺ 0.0	+0.0	+0.0	⁺0.0	+0.0	^{⁺0,0} INGE	ERSOL	DRIVE WAY	+0.0	+0.0	+0.0	⁺ 0.0	⁺ 0.0	+0.0	+0.0	+0.0	⁺ 0.0	+0.0	+0.0	+0.0	+0.0	⁺ 0.0	+0.0
⁺ 0.0	+0.0	⁺ 0.0	+0.0	+0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	+0.0	⁺ 0.0	+0.0	+0.0	⁺ 0.0	ASPHAL ⁺0.0	.1 ⁺0.0	⁺ 0.0	+0.0	+0.0	⁺ 0.0	⁺ 0.0	+0.0	+0.0	⁺ 0.0	⁺ 0.0	+0.0	+0.0	⁺ 0.0	⁺ 0.0	⁺0.0	⁺ 0.0
+0.0	⁺ 0.0	+0.0	+0.0	+0.0	⁺ 0.0	+0.0	⁺ 0.0	⁺ 0.1	⁺ 0.1	+ 0 .1	+ 0.1	⁺ 0.0	+0.0	⁺ 0.0	+0.0	+ 0.0	+0.0	⁺ 0.0	+0.0	*0.0	+0.0	+0.0	0.0	+0.0	+0.0	⁺ 0.0	+0.0	⁺ 0.0	+0.0
⁺ 0.0	⁺ 0.0	+0.0	+0.0	+0.0	⁺ 0.0	+0.0	⁺ 0.1	⁺ 0.1	*0.1	+0.1	*0.1	+0.1	+0.0	⁺ 0.0	+0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0 G	⁺ 0.0	⁺0 <u>;</u> 0	* 0.0	0.0	0.0	G ⁺ 0.0	— G — ⁺0.0	[†] 0.0	†0.0	⁺ 0.0
⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺0,0	+0.0		*0.1	⁺ 0.1	⁺ 0.1	G.I) ⁺0.1	⁺0.IG	*0.1	G.0	÷0.0	⁺ 0.0	— G — ⁺0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	 + _{0.0}	+0.0	+0.0	⁺ 0.0	⁺ 0.0	 0.0⁺	⁺ 0.0
+0.0	⁺ 0.0	<u>+0;0</u>		↓¢ †0.0	⁺ 0.1	⁺ 0.1	⁺ 0.L (G ⁺ 0.2	G	+0.2	G	(¹ ±0.1	⁺ 0.1	⁺ 0.1	⁺ 0.1	+0.0	+0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	0.0	+0.0	+0.0	⁺ 0.0	+0.0	⁺ 0.0	+0.0
*0.0	+0.0	+0.0	+0.0	[†] 01	÷0 I	G	⁺ 0 2	⁺ 0 3	⁺ 0 3	⁺ 0 3	⁺ 0 3	+0.3	⁺ 0 2	⁺ 0.2	⁺ 0 I	⁺ 0 I	⁺ 0 I	⁺ 0 2	⁺ 0.2	⁺ 0.2	⁺ 0 2	⁺ 0 I	to I	⁺0 I	⁺ 0 I	⁺ 0 I	[†] 0 0	 ⁺0.0	⁺ 0 0
to.o <	G	-A	G.0	0.1	0.T		2 0.3	0.7	+o.c			5 0	70.8		0.6		0.8		0.6	0.4			0.1	+0.0	*o	to	+0.0	+.0	+0.0
0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.4	0.5	0.6		0.9	1.2	1.6	1.6	(2	5') 1.3 >	1.6		1.1	0.7	0.5	0.3	0:2	0.2	0.1	0.1	0.1	0.1	0.0
⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.1	⁺ 0.1	⁺ 0.2	⁺ 0.4	⁺ 0/6 °	⁺ 0.7				1.7	+2.4	+2.3	+2.0	+2.0	*2.3	+2.3	1.5	1.1	[≁] 0.7	⁺ 0.5	⁹ 0.3 ↓	⁺ 0.2	+0.2	⁺ 0.1	⁺ 0.1	⁺ 0.	⁺ 0.1
⁺ 0.0	+0.0	⁺ 0.1	⁺ 0.1	⁺ 0. <i>l</i>	⁺ 0.3	⁺ 0.6	。 ⁺ 0.8		X	1 42		1.6	⁺1.9	⁺ 2.0	⁺ 2.1	+2.1	⁺ 2.0	⁺ I.8	⁺ 1.5	*1.1	⁺0.8	⁺0.6	⁹ 0:4	+0.3	⁺ 0.2	⁺ 0.2	⁺ 0.1	⁺ 0.1	⁺ 0.1
⁺ 0.0	⁺ 0.1	⁺ 0.1	⁺ 0.1	⁺ 0.	⁺ 0.4	⁺ 0.8	1.1	YX			172	†1.3	⁺ l.5	⁺1.7	⁺1.8	1.8⁺	⁺1.6	⁺ I.3	*I.I	⁺ 1.0	⁺0.8	+0.6	0:5	⁺ 0.4	+0.3	⁺ 0.2	⁺ 0.2	⁺ 0.	⁺ 0.1
⁺ 0.0	⁺ 0.1	+0,1	⁺ 0.1	+0.J	⁺ 0.5	٦.۱	⁺1.4	⁺ I.5	⁺1.3	⁺ I.2	/ 1.1	1.1	1.1	1.2⁺	[†] I.2	⁺1.3	⁺1.2	⁺ 1.0	⁺ 0.9	⁺ 0.8	0.7	+0.6	0:5	⁺ 0.4	+0.3	⁺ 0.2	⁺ 0.2	⁺ 0.1	⁺ 0.1
⁺ 0.0	⁺ 0.1	⁺ 0.1	⁺ 0.1	⁺ 0.I	⁺ 0.5	1.6	⁺ 2.0	⁺ 1.7	⁺ l.4	⁺1.2	°.1+	⁺ 0.9	⁺ 0.9	1.0	1.0	†1.0	⁺ 1.0	⁺ 0.9	⁺ 0.8	⁺ 0.7	+0.7	⁺ 0.6	0:5	+0.4	+0.3	⁺ 0.2	⁺ 0.2	⁺ 0.	⁺ 0.1
⁺ 0.0	⁺ 0.1	⁺ 0.1	⁺ 0.1	⁺ 0.1	⁺ 0.5	+2.1	⁺ 2.6	+2.0	⁺1.6	† 1.2	1.0	1.0	⁺1.0	⁺ 1.0	†I.0	÷1.I	+	[†] 1.0	⁺ 0.9	⁺ 0.8 -	+0.7	- <u>+0</u> .6	₽ 0:5	+0.4	+0.3	⁺ 0.2	⁺ 0.2	⁺ 0.1	⁺ 0.1
+0.0	⁺ 0.0	⁺ 0.1	⁺ 0.1	⁺ 0.↓	⁺ 0.4	⁺ 2.0	⁺ 2.3	⁺ 2.2	⁺ 1.8	⁺1.3	1.1	*1.1	⁺ 1.2	⁺ 1.2	⁺1.4	+1.7	+ .7	+1.4	⁺ 1.2	⁺ I.I	0.9	¢	0:5	+0.4	+0.3	⁺ 0.2	+ 0 .2	 ⁺0.	⁺ 0.1
⁺ 0.0	⁺ 0.0	⁺ 0.1	⁺ 0.1	+0.	⁺ 0.3	†1.5 /	⁺ 2.1	<u>*2</u> .3	⁺1.9	ڻ +۱.4	⁺1.2	⁺1.3	⁺ l.5	⁺1.6	⁺ 2.0	⁺2,5	†2.5		⁺I.6	⁺ I.4	the second se	⁺ 0.8	0:é	70.4	⁺ 0.3	"0". "0"F WAY	[†] 0.1	±0.	⁺ 0.1
⁺ 0.0	⁺ 0 0	⁺ 0 0	⁺ 0 I	∎ ∎	A ⁺0 3	(25')] +2 		†1 8	(⁺ 0.4	+1 4	15	17	⁺ 1 9	+2 6	+3.7	+37	⁺ 26	⁺ I 9	⁺ 1 5	13	+0.9	I I _{B-6}	⁺ 0.4	⁺ 0 3	RIVE RICHT	⁺ 0 I		⁺ 0 I
****	to.0	+0.0	+===	+	to.5	+=	2.1	<u>+-</u>	+. =	+	+	+. =	+===	+o. (+=		+= 0	1.0	1.7	+	+. =		0.0	+ (+0.0	OVE [MDT MDT ASPHAL			+
0.0	0.0	0.0	0.0	0.	0.4	2.0	'2.4	'2.0	1.7	/ 1.4 ()	1.4	1.7	'2.0	'2.4	'3.1	5.0	5.0	3.1		1.9	1,5		0:8	0.4	0.3	BLE PUE	0.1	0.1	0.1
⁺ 0.0	⁺ 0.0	⁺ 0.0	+0.0	⁺ 0.	⁺ 0.4	1.8	⁺ 2.2	⁺ 1.7	⁺ l.5	⁺ l.4	⁺ l.6	⁺ 2.1	⁺ 2.7	⁺ 3.4	⁺ 3.4	⁺ 4.5	+4.6	⁺ 3.4	⁺ 3.4	⁺ 2.6	1.9	+1.2	"0:7	⁺ 0.4	+0.3	γari'0₊ Vari'a	*0.1	⁺ 0.1	⁺ 0.0
⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	_⊉ ⁺ 0.	⁺ 0.4	⁺ 1.2	1.5	⁺ 1.5	† 1.3 ()	⁺ I.4	⁺1.7	⁺ 2.5	⁺3.6	⁺5.2	+4.6		⁺ 6.1 C (25')	+4.6	⁺ 5.2	⁺3.6	2.3	* _{1.4} •	0:8	⁺0.5	+0.3	⁺ 0.2	*0.1	⁺ 0.1	⁺ 0.0
⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.0	+0.	⁺ 0.3	⁺ 0.8	1.1	⁺ I.2	†1.2	†1.3	⁺ 1.6	⁺ 2.3	⁺3.3	⁺ 4.5	+4.I	5.6	⁺ 5.6	+4.1	⁺ 4.5	⁺ 3.2	2.2	.4	0:8	+0.5	⁺ 0.3	⁺ 0.2	[†] 0.1	⁺ 0.	⁺ 0.0
⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.1	⁺ 0.	⁺ 0.3	⁺ 0.6	⁺ 0.9	tlo G	+1.1	1.2 9	+1.5	19 .9	₽ +24	⁺ 2.9	⁺ 3.3	4 .6	⁺ 4.6	†3.2	⁺ 2.8	⁺ 2.3	1.7		0 :7	⁺ 0.4	⁺ 0.3	⁺ 0.2	⁺ 0.1	⁺ 0.1	⁺ 0.1
⁺ 0.0	⁺ 0.0	⁺ 0.0	⁺ 0.1	+0.1	⁺0.3	+0,7	⁺ 0.8	0.I+	+1.1	1.2	17.6	[†] 1.8	+28	⁺2.5	⁺ 3.3	*4.8	+4.7	+3.0	⁺ 2.2	⁺ 1.7	1.4	 ↑.0	0:7	⁺ 0.4	⁺ 0.3	⁺ 0.2	⁺ 0.1	⁺ 0.1	⁺ 0.1
+0.0	⁺ 0.0	⁺ 0.1	⁺ 0.1	⁺ 0.2	⊔⊔ ⁺0.5	(⁴ .D	(8')	√ √ √ [†] I.6	[∞] 4 [∇] .5	1.5	+2.1	2,3∉	+2.5	⁺ 2.9	D (8')	√	+3.4	 †2.4	⁺ I.8	⁺ 1.5	1.3	- ⁺0.9	0 :7	⁺ 0.5	+0.3	⁺ 0.2	*0.2	⁺0.∤	⁺ 0.1
+0.0	⁺ 0.0	⁺ 0.1	⁺ 0.1	⁺ 0.2	±0.5	(8') (8') (8')		40 C	(8')		(8') (8')	(8') E	(10)	D (8') D			+2.4	 ⁺1.9	⁺ I.5	⁺ 1.3	1.1	 ⁺0.9	9:6	⁺ 0.5	+0.3	⁺ 0.3	+0.2	⁺ 0.∣	⁺ 0.1
+0.0	⁺ 0.0	⁺ 0.1	⁺ 0.1	⁺ 0,I		⊔ (+ <mark>0.8</mark> _								D	(8')		⁺ 1.7	 + 4	⁺ I.2	+1.1	1.0	- -	9:6	+0.5	+0.4	⁺ 0.3)ຊ ≩∑ ⁺0.2	⁺ 0.	⁺ 0.1
+0.0	⁺ 0.0	+0.0	±0.1	∎ ₀0+	+0.3	+0.6	D (8')									1.8	⁺ 1.4	 	*1.1		0.9	+0.8	9.7	+0.5	+0.4	⁺ 0.3	*0.2	 ⁺0.2	⁺ 0.1
+0.0	+0.0	+0.0	+0.0	1 +0	+0.1	+0.0								D	(8)		+1.4		÷	+	1.0			+0.4	+0.4	to 2		•T	+0.1
0.0	0.0	0.0	0.0	0.1	U.I	0.2								_		⊲ . .⊽ .	1.4	[.3	1.2	1.1	1.0	0.9	0:7	0.6	0.4	0.3	0.2	0.2	0.1
⁺ 0.0	0.0 ⁺	⁺ 0.0	⁺ 0.0	10 ⁰	⁺ 0.1	⁺ 0.1								D			1.4	[†]].4	⁺1.4	⁺ 1.3 —		0	*0:8	⁺0.6	+0.4	⁺ 0.3	†0.2 ≥	⁺ 0.2	⁺ 0.1
⁺ 0.0	+0.0	⁺ 0.0	⁺ 0.1	+0 , I	⁺0 :2 ⊧	⁺ 0.3											+1.5	⁺ 1.6	⁺ 1.7	⁺ 1.5 —	1.2	.0	₩ <u>9</u> .8	⁺ 0.6	+0.4	⁺ 0.3	+0.2	+0.1	⁺ 0.1
⁺ 0.0	⁺0.0	+0.0	⁺ 0.1	⁺ 0.I	⁺0.4	⁺ p.a	D (8')									* . <u>6</u>	1.6	1.6	⁺ 1.5	⁺ 1.5	1.5	.3	-0 <i>:</i> 9	⁺ 0.6	⁺ 0.4	⁺ 0.3	÷0.2 <	⁺0.	⁺ 0.1
⁺ 0.0	⁺ 0.0	0.0	⁺ 0.1	+0,I	⁺ 0.4	⁺þ.7 Q	D (8') E (10') D	(8') E (10') D	(8') D	(8') E	(10')	D (8')	∦∟ן םם _	2.3	+2.0	<u></u>	⁺ 1.7 B (25	<u>+1.6</u> (⁺ 2.1	†1.5	0. I	⁺ 0.6	+0.4	⁺ 0.3	+0.2	⁺ 0.	⁺ 0.1
+0.0	⁺ 0.0	+0.0	⁺ 0.1	⁺ 0,I	+0.4	† .D	(8') ¹ 1.7	3.4 1,9	• _ • • •				2.2 d) (8')		†h.8 	*1.6	⁺ 1.5	^{†1.6}	⁺1.7	⁺ 1.2	9.8	^{••} +0.5	+0.3	⁺ 0.2	⁺ 0.1	⁺ 0.	⁺ 0.0
+0.0	+0.0	_ ⁺ 0.0	+0.0	⁺ 01	+ <u>0.2</u>	<u>+0.4</u>	$\exists \mid \\ \overset{\uparrow 0.4}{3} \geq 0.3$	⁺ 0.40.4	^{+0.5} 0.4	⁺ 0.5	⁺ 0.6 _{0.1}	<u>5 ⁺0.5</u>	^{+0.5} 4 0.5	<u>+0.7</u> 0.6	⁺ 0.8	+0.6	→ SAN	V + <u>04</u> 0.2	<u>- +053,67</u> 0.2	+ <u>0.4</u> 0.3	0 <u>4</u> 0.2	⁺ 0.4 0.2	<u>9:</u> 3	[†] 0.2	⁺ 0.1	⁺ 0.1	[†] 0.1		+0.0
	⁺ 0.0	+0.0	+0.0	⁺ 0 I	-Ω †0.1	⁺ 0.1	+0.1	֠0.2	÷0.2	⁺ 0.2	+0.2	⁺ 0.2	⁺ 0.2	⁺ 0.2	+0.2	⁺ 0.2	€ ₹ ₹ \$ (), 1	°≠ ⁺ 0.1	⁺ 0.0	⁺ 0.1		⁺ 0.0	10.1	⁺ 0.1	+0.0	⁺ 0.0	*0.0	+0.0	⁺ 0.0
+0.0		+0.0	+0.0	− 0:0 ⁺	⁺ 0.1	- W - *0.1	D .I	₩ [†] Ģ ,I		+0.1	+0.I	⁺ 0.1	*0.1	⁺ 0.1	- \\ ⁺0.1	⁺ 0.1	₩ •0.1	+0.0	+0.0	+0.0	+0 0	■ ₩ +0.0	1 +0.0	₩ •0.0	+0.0	₩ _{+0.0}	+0.0 ≩) • ⁺ 0.0	₩ _{+0.0}
+0.0 +0.0	+0.0	0.0								.	⁺ 0 I	⁺ 0.1	⁺ 0.1	⁺0.1	⁺ 0.1	⁺ 0.0	⁺ 0.0	⁺ 0.0	+ <u>0</u> .0	+0.0	⁺ 0.0	⁺ 0.0	+ 0.0	⁺ 0.0	+0.0	⁺ 0.0	⁺ 0.0	+0.0	0.05
+0.0 +0.0 +0.0	⁺ 0.0	⁺ 0.0	v 1	+00	+0.0	+0.0	+0.0	⁺ 0.0	⁺ 0.1	⁺ 0.1	0.1																		Ť
*0.0 *0.0 *0.0	+0.0 +0.0	-+0.0 +0.0	€0.0 †0.0	 +0_0	+0.0 +0.0	+0.0 +0.0	+0.0	+0.0	⁺ 0.1	* 0.1	ол \/I 115-р- (+0.0	+0.0	⁺ 0 ^	+ <u>n n</u>	⁺ 0 0	+ <u>η η</u>	+ <u>0 0</u>	+0.0	+0.0	⁺ 0.0	+0.0	⁺ 0.0	+0 0	⁺ 0.0	†0 0	†0 0	⁺ A.0
*0.0 *0.0 *0.0 *0.0	+0.0 +0.0 +0.0		\$0.0 +0.0	+00 +0.0 	*0.0 *0.0	+0.0 +0.0	+0.0 +0.0	+0.0 	+0.1 +0.0 VARIABL			AD ^{⁺0.0} RIGHT OF	*0.0 WAY	+0.0	+0.0	+0.0	+0.0	+0.0	+-	+0.0	+0.0	+0.0	⁺ 0.0 	+0.0	+0.0	+0.0	+0.0	+ 0.0	†@0
*0.0 *0.0 *0.0 *0.0	+0.0 +0.0 +0.0 +0.0 +0.0	 +0.0 ↓ +0.0 	\$ \$0.0 *0.0 *0.0	↓ +0 0 +0.0 +0.0 +0.0	+0.0 +0.0 +0.0	*0.0 *0.0 [©] *0.0	*0.0 *0.0 *0.0	+0.0 	*0.1 *0.0 VARIABL *0.0	*0.1 *0\00 LE WIDTH *0.0	VI ROA PUBLIC ASPHALT ⁺0.0	\D ^{+0.0} RIGHT OF ⁺ 0.0	*0.0 WAY *0.0	*0.0 *0.0	*0.0 *0.0	⁺ 0.0	⁺ 0.0	*0.0 *0.0	⁺ 0.0 ⁺ 0.0	+0.0 +0.0	•0.0* •0.0	+0.0 +0.0	+0.0 +0.0	*0.0 *0.0	+0.0 +0.0	⁺ 0.0 ⁺ 0.0	+0.0 +0.0	⁺ 0.0 +0.0	± <u>6</u> 0 ⁺0.0
*0.0 *0.0 *0.0 *0.0 *0.0 	+0.0 +0.0 +0.0 +0.0 +0.0 +0.0	 ↓	\$ \$ *0.0 *0.0 *0.0 <u>*0.0</u>	↓ +0.0 +0.0 +0.0 +0.0 +0.0	*0.0 *0.0 *0.0 *0.0	+0.0 +0.0 +0.0 +0.0	+0.0 +0.0 +0.0 +0.0	+0.0 	*0.1 *0.0 VARIABI *0.0 *0.0	* 0.1 *0¥O LE WIDTH # *0.0 *0.0	VI ROA PUBLIC ASPHALT ⁺ 0.0	AD ^{+0.0} RIGHT OF ⁺ 0.0 _ ⁺ 0.0	⁺ 0.0 WAY ⁺ 0.0 ⁺ 0. <u>0</u>	+0.0 +0.0 +0.0	*0.0 *0.0 *0.0	+0.0 +0.0 +0.0_	+0.0 +0.0 	*0.0 *0.0 *0. <u>0</u>	*0.0 *0.0 *0.0	+0.0 +0.0 +0.0	0.0 0.0 ⁺ 0.0 0.0 ⁺	+0.0 +0.0 +0.0	+0.0 +0.0 +0.0	+0.0 +0.0 +0.0	+0.0 +0.0 +0.0	+0.0 +0.0 +0.0	*0.0 *0.0 *0.0	+0.0 +0.0 - + <u>0.0</u>	+ <u>0</u> 0 +0.0
+0.0 +0.0 +0.0 +0.0 +0.0 +0.0	+0.0 +0.0 +0.0 +0.0 +0.0 +0.0 +0.0	⁺ 0.0 [↓] ⁺ 0.0 ⁺ 0.0 ⁺ 0.0 ⁺ 0.0	€0.0 ⁺ 0.0 ⁺ 0.0 <u>+</u> 0.0 ⁺ 0.0	+0.0 +0.0 +0.0 +0.0 +0.0	*0.0 *0.0 *0.0 *0.0 *0.0	+0.0 (* +0.0 (* +0.0 (* +0.0 (*) (*) (*) (*) (*) (*) (*) (*) (*) (*)	+0.0 +0.0 +0.0 +0.0 +0.0	+0.0 	*0.1 *0.0 VARIABL *0.0 *0.0	* 0.1 *00 te wiDTH * 0.0 *0.0 *0.0	VI ROA PUBLIC ASPHALT ⁺0.0 ⁺0.0_ ⁺0.0	AD ^{+0.0} RIGHT OF ^{+0.0} _ ^{+0.0}	+0.0 WAY +0.0 +0.0 +0.0	+0.0 +0.0 +0.0 +0.0	*0.0 *0.0 *0.0 *0.0	+0.0 +0.0 +0.0_ +0.0	+0.0 +0.0 +0.0 +0.0	*0.0 *0.0 *0.0_ *0.0_ *0.0	*0.0 *0.0 *0.0 *0.0	+0.0 +0.0 +0.0 +0.0 +0.0	0,0 ⁺ 0,0 ⁺ 0,0 ⁺ - 0,0 ⁺	+0.0 +0.0 +0.0 +0.0	+0.0 +0.0 +0.0 +0.0	+0.0 +0.0 +0.0 +0.0	*0.0 *0.0 * <u>0.0</u> *0.0	+0.0 +0.0 +0.0 +0.0 +0.0	*0.0 *0.0 *0.0 *0.0	+0.0 +0.0 - + <u>0.0</u> - +0.0	+0.0 +0.0 +0.0 +0.0

	PROPOSED LUMINAIRE SCHEDULE								
SYMBOL	LABEL	QUANTITY	FIXTURES	DISTRIBUTION	LLF	MANUFACTURER	IES FILE		
	A	2	PREVAIL LED AREA LIGHT WITH HOUSE SIDE SHIELD - SERIES PFPRV - 4000K	TYPE III	0.9	EATON	PRV-C25-D-UNV-T3-BZ-7030-HSS		
	В	I	PREVAIL LED AREA LIGHT WITH HOUSE SIDE SHIELD - SERIES PFPRV - 4000K	TYPE IV	0.9	EATON	PRV-C25-D-UNV-T4-BZ-7030-HSS		
	с	I	PREVAIL LED AREA LIGHT WITH HOUSE SIDE SHIELD - SERIES PFPRV - 4000K - 4 FIXTURES @ 90°	TYPE IV	0.9	EATON	PRV-C25-D-UNV-T4-BZ-7030-HSS		
0	D	21	LEDA OUTDOOR LED SCONCE - 4000K	TYPE IV	0.9	OXYGEN	3-712-222 Leda		
	E	5	ALL WEATHER LED WALLPACK - 4000K	TYPE II	0.9	LSI	AWL		



LIGHTING REQUIREMENTS								
CODE SECTION	REQUIRED	PROPOSED						
§5.7.3.A	MAXIMUM MOUNTING HEIGHT: 25 FT	25 FT						
§5.7.3.E	AVERAGE UNIFORM ILLUMINATION RATIO FOR PAVED AREAS: FOUR TO ONE (4:1)	3.12:1 ⁽¹⁾						
§5.7.3.K	MAXIMUM PROPERTY LINE ILLUMINATION: 1.0 FC	1.0 FC						
	MINIMUM ON-SITE ILLUMINATION LEVELS: PARKING AREAS: 0.2 FC LOADING / UNLOADING AREAS: 0.4 FC WALKWAYS: 0.2 FC BUILDING ENTRANCE: 1.0 FC BUILDING ENTRANCE (INFREQUENT USE): 0.2 FC	0.6 FC 0.9 FC 0.6 FC 3.5 FC N/A						

(I) AVERAGE UNIFORM RATIO CALCULATED FOR ALL PAVED AREAS WITHIN THE SHOWN PROPERTY LINE AS DISCUSSED WITH THE CITY OF NOVI'S ENGINEERING DEPARTMENT

GENERAL LIGHTING NOTES

- I. THE LIGHTING LEVELS DEPICTED WITHIN THE PLAN SET ARE CALCULATED UTILIZING DATA OBTAINED FROM THE LISTED MANUFACTURER. ACTUAL ILLUMINATION LEVELS AND PERFORMANCE OF ANY PROPOSED LIGHTING FIXTURE MAY VARY DUE TO UNCONTROLLABLE VARIABLES SUCH ARE WEATHER, VOLTAGE SUPPLY, LAMP TOLERANCE, EQUIPMENT SERVICE LIFE AND OTHER VARIABLE FIELD CONDITIONS. 2. WHERE APPLICABLE, THE EXISTING LIGHT LEVELS DEPICTED WITHIN
- THE PLAN SET SHALL BE CONSIDERED APPROXIMATE. THE EXISTING LIGHT LEVELS ARE BASED ON FIELD OBSERVATIONS AND THE MANUFACTURER'S DATA OF THE ASSUMED OR MOST SIMILAR LIGHTING FIXTURE MODEL.
- 3. UNLESS NOTED ELSEWHERE WITHIN THIS PLAN SET, THE LIGHT LOSS FACTORS USED IN THE LIGHTING ANALYSIS ARE AS FOLLOWS:
- FACTORS USED IN THE LIGHTING ANALYSIS ARE AS FOLLOWS:
 LIGHT EMITTING DIODES (LED): 0.90
 HIGH PRESSURE SODIUM: 0.72
 METAL HALIDE: 0.72
 THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IN WRITING, PRIOR TO THE START OF CONSTRUCTION, OF ANY PROPOSED LIGHTING LOCATIONS THAT CONFLICT WITH EXISTING/ PROPOSED DRAINAGE, UTILITY, OR OTHER IMPROVEMENTS.
 THE CONTRACTOR IS RESPONSIBLE TO PREPARE A WIRDING PLAN AND 5. THE CONTRACTOR IS RESPONSIBLE TO PREPARE A WIRING PLAN AND PROVIDE ELECTRIC SERVICE TO ALL PROPOSED LIGHTING FIXTURES. THE CONTRACTOR IS REQUIRED TO PREPARE AN AS-BUILT PLAN OF WIRING AND PROVIDE COPIES TO THE OWNER AND STONEFIELD ENGINEERING & DESIGN, LLC.

CITY OF NOVI LIGHTING NOTES

- I. ELECTRICAL SERVICE TO LIGHT FIXTURES SHALL BE PLACED UNDERGROUND. 2. FLASHING LIGHT SHALL NOT BE PERMITTED.
- ONLY NECESSARY LIGHTING FOR SECURITY PURPOSES & LIMITED OPERATIONS SHALL BE PERMITTED AFTER SITE'S HOURS OF OPERATIONS.

HOURS OF OPERATION: 9AM - 8PM

NEIGHBORING PROPERTIES: IMPACT FROM SPILL-OVER LIGHTING IS NOT ANTICIPATED FROM ADJACENT PROPERTIES WITH LANDSCAPE SCREENING IN PLACE.



NO	TAPI	PRO	VED) FC	PR C	S 11/24/2020 MG FOR OWNER REVIEW	2 11/11/2020 MG FOR OWNER REVIEW	I 09/16/2020 AF/MG FOR PRELIMINARY SITE PLAN APPROVAL	N ISSUE DATE BY DESCRIPTION
	STONEFIELD	enaineerina & desian		Dotroit MI · Buthorford NI · Now York NY				7000 IM sizes OOC -size 2001 FAD 702	90/ Sheiby Suite 200, Detroit, MI 40220 Phone 248.247.1115
SITE DEVELOPMENT PLANS					PROPOSED MULTI-TENANT	COMMERCIAL BUILDING	SECTION 14	PARCEL ID: 22-14-352-002	CITY OF NOVI CITY OF NOVI OAKLAND COUNTY, MICHIGAN
	MI	CHIG, CENSE	AN L D PR	ICEN OFES:	SE NG SIONA	5.620 AL EN		28 ER	LD
SCALE TITLES DRAW	E LI VING:	Gł	gin "= 1 +T				A	n Det-	200133



EMARKS	QTY	UNIT COST	TOTAL	GENUS %	SPECIES %		
NATIVE	I	\$325	\$325	5.0%	5.0%		
EMARKS	QTY	UNIT COST	TOTAL	GENUS %	SPECIES %		
NATIVE	3	\$400	\$1,200	JE 00/	15.0%		
NATIVE	2	\$400	\$800	25.0%	10.0%		
NATIVE	2	\$400	\$800	10.0%	10.0%		
NATIVE	2	\$400	\$800	10.0%	10.0%		
NATIVE	2	\$400	\$800	10.0%	10.0%		
OT NATIVE	3	\$400	\$1,200	15.0%	15.0%		
NATIVE	3	\$400	\$1,200	25.0%	15.0%		
NATIVE	2	\$400	\$800	23.076	10.0%		
	20		TOTAL	100%	100%		
	ý í		TOTAL				
NATIVE	6	\$50	\$300				
T NATIVE	17	\$50	\$850				
T NATIVE	6	\$50	\$300				
NATIVE	6	\$50	\$300				
OT NATIVE	5	\$50	\$250				
NATIVE	3	\$50	\$150				
EMARKS	QTY	UNIT COST	TOTAL				
T NATIVE	15	\$50	\$750				
NATIVE	21	\$50	\$1,050				
EMARKS	QTY	UNIT COST	TOTAL				
T NATIVE	12	\$15	\$180				
NATIVE	21	\$15	\$315				
EMARKS	QTY	UNIT COST	TOTAL				
T NATIVE	9	\$15	\$135				
EMARKS	QTY	UNIT COST	TOTAL				
T NATIVE	84	\$3.50	\$294				
NATIVE	491	\$12	\$5,892				
-	19	\$35.00	\$380				
-	225	\$3.00	\$600				
тате		TOTAL:	 φ20,071				
IAIE.							

T APPROVE ANY SUBSTITUTIONS IN PRIOR TO INSTALLATION
TING OR PROPOSED OVERHEAD



- THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRASS AND
- LANDSCAPED AREAS TO MATCH EXISTING CONDITIONS UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. THE CONTRACTOR SHALL RESTORE ALL DISTURBED LAWN AREAS WITH A MINIMUM 4 INCH LAYER OF TOPSOIL AND SEED.
- THE CONTRACTOR SHALL RESTORE MULCH AREAS WITH A MINIMUM 3 INCH LAYER OF MULCH .
- THE MAXIMUM SLOPE ALLOWABLE IN LANDSCAPE RESTORATION AREAS SHALL BE 3 FEET HORIZONTAL TO I FOOT VERTICAL (3:1
- SLOPE) UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. THE CONTRACTOR IS REQUIRED TO LOCATE ALL SPRINKLER HEADS IN AREA OF LANDSCAPING DISTURBANCE PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL RELOCATE SPRINKLER
- HEADS AND LINES IN ACCORDANCE WITH OWNER'S DIRECTION WITHIN AREAS OF DISTURBANCE. THE CONTRACTOR SHALL ENSURE THAT ALL DISTURBED
- LANDSCAPED AREAS ARE GRADED TO MEET FLUSH AT THE ELEVATION OF WALKWAYS AND TOP OF CURB ELEVATIONS EXCEPT UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET. NO ABRUPT CHANGES IN GRADE ARE PERMITTED IN DISTURBED LANDSCAPING
- 7. LANDSCAPING SHOULD BE PLANTED BETWEEN MARCH 15 -NOVEMBER 15 PER CITY OF NOVI'S RECCOMMENDATION.
- 8. ANY SPECIE SUBSTITUTIONS WILL REQUIRE WRITTEN APPROVAL BY CITY OF NOVI'S LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. 9. INSTALLATION OF SILT FENCING OR TREE PROTECTION FENCING
- SHALL NOT OCCUR PRIOR TO THE INITIAL CITY PRE-CONSTRUCTION MEETING. 10. WHEN NATURAL FEATURES EXIST ON THE SITE, INSPECTION OF
- STAKING MAY BE REQUIRED PRIOR TO INSTALLATION OF THE FENCING.

ZONING NOTES

ALL ADJACENT PROPERTIES ARE WITHIN ZONING DISTRICT TC: TOWN CENTER.

	PAUL DEVI MICHIGAN LICEN: LICENSED LANDSO	TTO, L.L.A. SE No. 3901001797 CAPE ARCHITECT	
20'	0'	20'	40'
∟ − dig.	GRAPHIC SC	CALE IN FEET = 20'	

							FOR OWNER REVIEW	FOR OWNER REVIEW	FOR PRELIMINARY SITE PLAN APPROVAL	DESCRIPTION
							20 MG	20 MG	20 AF/MG	ВҮ
							I 1/24/20	11/11/20	09/16/20	рате
		A P.	00.0	\/ / ==	\ F 4		~	7	-	
	IOT	AP	PRO	VE) FC	OR C	ON	STR	UC	rion
			andinaaring & design		Dotroit MI . Buthouford NII . Now York NV	Drincoton NI · Towar El · Botton MA			207 Shallon Same Document M1 18332	00/ Shelipy Sulte 200, Detroit, MI 40220 Phone 248.247.1115
SITE DEVELOPMENT PLANS						PROPOSED MULTI-TENANT	COMMERCIAL BUILDING	SECTION 14	PARCEL ID: 22-14-352-002	CITY OF NOVI CITY OF NOVI OAKLAND COUNTY, MICHIGAN
		- MI LI	CHIG	GAN L	ICEN Ofes:	SE No	5.620 AL EN	10694 GINE	- 28 ER	
			Sen	gin	O eeri	N ng i	E & de	F		LD
SCA TIT	ALE: LE:			 " =)	20' F	PROJ	ECT	ID: I	DET-	200133
DR/			D	SC			1G	Ρ	LA	N
	11					-7	7			



- 10. ALL TREE WRAP, STAKES, AND GUYS MUST BE REMOVED BY JULY IST FOLLOWING THE FIRST WINTER SEASON AFTER
- 12. CONTRACTOR TO REMOVE ALL CONSTRUCTION DEBRIS AND EXCESS MATERIALS FROM THE SITE PRIOR TO FINAL
- 13. PLANT MATERIALS, EXCEPT SOD, GROUND COVERS, AND CREEPING VINE TYPE PLANTINGS, SHALL NOT BE LOCATED WITHIN
- 14. ALL TRANSFORMERS ARE TO BE SCREENED IN ACCORDANCE WITH THE CITY OF NOVI ORDINANCE AND SO AS TO NOT
- 15. THE OWNER IS RESPONSIBLE FOR REQUEST OF FINAL INSPECTION AND ACCEPTANCE OF THE LANDSCAPE AT THE END OF THE
- 16. THE PROVIDER OF THE FINANCIAL GUARANTEE FOR THE LANDSCAPE INSTALLATION SHALL BE FULLY RESPONSIBLE FOR COMPLETION OF THE LANDSCAPE INSTALLATION AND MAINTENANCE PER THE APPROVED LANDSCAPE PLAN AND APPLICABLE

. FOR FIRE SAFETY, SHREDDED HARDWOOD BARK IS NOT TO BE INSTALLED ADIACENT TO OR WITHIN 4 FEET OF BUILDINGS THAT ARE CONSTRUCTED OF COMBUSTIBLE MATERIALS. PLANTINGS ADJACENT TO COMBUSTIBLE BUILDINGS SHALL BE MULCHED WITH A NON-COMBUSTIBLE MATERIAL TYPICALLY MARKETED AS LANDSCAPE MULCH. THE COLOR OF SUCH MATERIALS SHALL BE NATURAL AND COMPATIBLE WITH THE BUILDING.

8. GRAVEL TYPE MULCHES ARE NOT PERMITTED WITHIN OR IMMEDIATELY ADJACENT TO PAVED PARKING LOTS OR ROADWAYS. APPROVAL OF TYPE, DEPTH AND SPECIFIC LOCATION FOR GRAVEL MULCH IS TO BE APPROVED BY THE CITY. 9. SPHAGNUM PEAT/BOG PEAT IS HARVESTED FROM FUNCTIONING WETLANDS SO IT SHALL NOT BE USED FOR LANDSCAPE PURPOSES. COMPOST MAY BE USED AS AN ALTERNATIVE. 10. PLASTIC OR OTHER ARTIFICIAL REPLICAS OF PLANT MATERIAL ARE PROHIBITED.

PLANT QUALITY AND HANDLING NOTES:

I. THE LANDSCAPE CONTRACTOR SHALL FURNISH ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH THESE I. ALL PLANT MATERIAL SHALL CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004) OR LATEST REVISION AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. 2. IN ALL CASES, BOTANICAL NAMES LISTED WITHIN THE APPROVED OR FINAL PLANT LIST SHALL TAKE PRECEDENCE OVER COMMON NAMES

> 3. ALL PLANTS SHALL BE OF SELECTED SPECIMEN QUALITY, EXCEPTIONALLY HEAVY, TIGHTLY KNIT, SO TRAINED OR FAVORED IN THEIR DEVELOPMENT AND APPEARANCE AS TO BE SUPERIOR IN FORM. NUMBER OF BRANCHES. COMPACTNESS AND SYMMETRY. ALL PLANTS SHALL HAVE A NORMAL HABIT OR SOUND, HEALTHY, VIGOROUS PLANTS WITH WELL DEVELOPED ROOT SYSTEM. PLANTS SHALL BE FREE OF DISEASE, INSECT PESTS, EGGS OR LARVAE. 4. PLANTS SHALL NOT BE PRUNED BEFORE DELIVERY. TREES WITH ABRASION OF THE BARK, SUNSCALDS, DISFIGURING KNOTS OR

> FRESH CUTS OF LIMBS OVER ONE AND ONE-FOURTH INCHES (1-1/4") WHICH HAVE NOT COMPLETELY CALLOUSED SHALL BE REIECTED 5. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH AND BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE.

> 6. THE ROOT SYSTEM OF EACH PLANT SHALL BE WELL PROVIDED WITH FIBROUS ROOTS. ALL PARTS SHALL BE SOUND, HEALTHY, VIGOROUS. WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF

> 7. ALL PLANTS DESIGNATED BALL AND BURLAP (B&B) MUST BE MOVED WITH THE ROOT SYSTEM AS SOLID UNITS WITH BALLS OF FARTH FIRMLY WRAPPED WITH BURLAP. THE DIAMETER AND DEPTH OF THE BALLS OF FARTH MUST BE SUFFICIENT TO ENCOMPASS THE FIBROUS ROOT FEEDING SYSTEMS NECESSARY FOR THE HEALTHY DEVELOPMENT OF THE PLANT. NO PLANT SHALL BE ACCEPTED WHEN THE BALL OF EARTH SURROUNDING ITS ROOTS HAS BEEN BADLY CRACKED OR BROKEN PREPARATORY TO OR DURING THE PROCESS OF PLANTING. THE BALLS SHALL REMAIN INTACT DURING ALL OPERATIONS. ALL PLANTS THAT CANNOT BE PLANTED AT ONCE MUST BE HEELED-IN BY SETTING IN THE GROUND AND COVERING THE BALLS WITH SOIL OR MULCH AND THEN WATERING. HEMP BURLAP AND TWINE IS PREFERABLE TO TREATED. IF TREATED BURLAP IS USED, ALL TWINE IS TO BE CUT FROM AROUND THE TRUNK AND ALL BURLAP IS TO BE REMOVED.

> 8. PLANTS TRANSPORTED TO THE PROJECT IN OPEN VEHICLES SHALL BE COVERED WITH TARPS OR OTHER SUITABLE COVERS SECURELY FASTENED TO THE BODY OF THE VEHICLE TO PREVENT INJURY TO THE PLANTS. CLOSED VEHICLES SHALL BE ADEOUATELY VENTILATED TO PREVENT OVERHEATING OF THE PLANTS. EVIDENCE OF INADEOUATE PROTECTION FOLLOWING DIGGING, CARELESSNESS WHILE IN TRANSIT, OR IMPROPER HANDLING OR STORAGE SHALL BE CAUSE FOR REJECTION OF PLANT MATERIAL. ALL PLANTS SHALL BE KEPT MOIST, FRESH, AND PROTECTED. SUCH PROTECTION SHALL ENCOMPASS THE ENTIRE PERIOD DURING WHICH THE PLANTS ARE IN TRANSIT, BEING HANDLED, OR ARE IN TEMPORARY STORAGE. . ALL PLANT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE CORRESPONDING LANDSCAPE PLAN AND PLANTING DETAILS

10. LANDSCAPE CONTRACTOR SHALL MAKE BEST EFFORT TO INSTALL PLANTINGS ON THE SAME DAY AS DELIVERY. IF PLANTS ARE NOT PLANTED IMMEDIATELY ON SITE, PROPER CARE SHALL BE TAKEN TO PLACE THE PLANTINGS IN PARTIAL SHADE WHEN POSSIBLE. THE ROOT BALL SHALL BE KEPT MOIST AT ALL TIME AND COVERED WITH MOISTENED MULCH OR AGED. woodchips. Proper irrigation shall be supplied so as to not allow the root ball to dry out. Plantings Shall be untied and proper spacing shall be allotted for Air circulation and to prevent disease, wilting, AND LEAF LOSS. PLANTS THAT REMAIN UNPLANTED FOR A PERIOD OF TIME GREATER THAN THREE (3) DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH AND WATERED AS REQUIRED TO PRESERVE ROOT MOISTURE.

11. NO PLANT MATERIAL SHALL BE PLANTED IN MUDDY OR FROZEN SOIL 12. PLANTS WITH INJURED ROOTS OR BRANCHES SHALL BE PRUNED PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY DISEASED OR INJURED PLANTS SHALL BE REMOVED.

13. IF ROCK OR OTHER UNDERGROUND OBSTRUCTION IS ENCOUNTERED. THE LANDSCAPE DESIGNER RESERVES THE RIGHT TO RELOCATE OR ENLARGE PLANTING PITS OR DELETE PLANT MATERIAL FROM THE CONTRACT. 14. IF PLANTS ARE PROPOSED WITHIN SIGHT TRIANGLES, TREES SHALL BE LIMBED AND MAINTAINED TO A HEIGHT OF EIGHT FEET (8') ABOVE GRADE, AND SHRUBS, GROUND COVER, PERENNIALS, AND ANNUALS SHALL BE MAINTAINED TO A HEIGHT NOT TO EXCEED TWO FEET (2') ABOVE GRADE UNLESS OTHERWISE NOTED OR SPECIFIED BY THE GOVERNING MUNICIPALITY OR

AGENCY 15. INSTALLATION SHALL OCCUR DURING THE FOLLOWING SEASONS: PLANTS (MARCH 15 - NOVEMBER 15)

ARIE

ACF

ACE

ACE

BETI

CAR

CEDI

CELT

CERC

COR

LAWNS (MARCH 15 - IUNE 15 OR SEPTEMBER 1 - DECEMBER 1) 16. THE FOLLOWING TREES ARE SUSCEPTIBLE TO TRANSPLANT SHOCK AND SHALL NOT BE PLANTED DURING THE FALL SEASON (STARTING SEPTEMBER 15

CONCOLOR	CORNUS VARIETIES	OSTRYA VIRGINIANA
R BUERGERIANUM	CRATAEGUS VARIETIES	PINUS NIGRA
RFREEMANII	CUPRESSOCYPARIS LEYLANDII	PLATANUS VARIETIES
RUBRUM	FAGUS VARIETIES	POPULUS VARIETIES
R SACCHARINUM	HALESIA VARIETIES	PRUNUS VARIETIES
LA VARIETIES	ILEX X FOSTERII	PYRUS VARIETIES
PINUS VARIETIES	ILEX NELLIE STEVENS	QUERCUS VARIETIES (NOT Q. PALUSTRIS)
RUS DEODARA	ILEX OPACA	SALIX WEEPING VARIETIES
IS VARIETIES	JUNIPERUS VIRGINIANA	SORBUS VARIETIES
CIDIPHYLLUM VARIETIES	KOELREUTERIA PANICULATA	TAXODIUM VARIETIES
CIS CANADENSIS	LIQUIDAMBAR VARIETIES	TAXUX B REPANDENS
NUS VARIETIES	LIRIODENDRON VARIETIES	TILIA TOMENTOSA VARIETIES
FAEGUS VARIETIES	MALUS IN LEAF	ULMUS PARVIFOLIA VARIETIES
	ΑΟΙΤΑΥ ΙΥ2 Α22ΥΙΛ	ZELKOVA VARIETIES

17. IF A PROPOSED PLANT IS UNATTAINABLE OR ON THE FALL DIGGING HAZARD LIST, AN EQUIVALENT SPECIES OF THE SAME SIZE MAY BE REQUESTED FOR SUBSTITUTION OF THE ORIGINAL PLANT. ALL SUBSTITUTIONS SHALL BE APPROVED BY THE PROJECT LANDSCAPE DESIGNER OR MUNICIPAL OFFICIAL PRIOR TO ORDERING AND INSTALLATION.

18. DURING THE COURSE OF CONSTRUCTION/PLANT INSTALLATION, EXCESS AND WASTE MATERIALS SHALL BE CONTINUOUSLY and promptly removed at the end of each work day. All debris, materials, and tools shall be properly STORED, STOCKPILED OR DISPOSED OF AND ALL PAVED AREAS SHALL BE CLEANED.

19. THE LANDSCAPE CONTRACTOR SHALL DISPOSE OF ALL RUBBISH AND EXCESS SOIL AT HIS EXPENSE TO AN OFF-SITE LOCATION AS APPROVED BY THE LOCAL MUNICIPALITY.

20. A 90-DAY MAINTENANCE PERIOD SHALL BEGIN IMMEDIATELY AFTER ALL PLANTS HAVE BEEN SATISFACTORILY INSTALLED. 21. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, REPLACING MULCH THAT HAS BEEN DISPLACED BY EROSION OR OTHER MEANS, REPAIRING AND RESHAPING WATER RINGS OR SAUCERS, MAINTAINING STAKES AND GUYS IF ORIGINALLY REQUIRED, WATERING WHEN NEEDED OR DIRECTED, WEEDING, PRUNING, SPRAYING, FERTILIZING, MOWING THE LAWN, AND PERFORMING ANY OTHER WORK REQUIRED TO KEEP THE PLANTS IN A HEALTHY CONDITION

22. MOW ALL GRASS AREAS AT REGULAR INTERVALS TO KEEP THE GRASS HEIGHT FROM EXCEEDING THREE INCHES (3"). MOWING SHALL BE PERFORMED ONLY WHEN GRASS IS DRY. MOWER BLADE SHALL BE SET TO REMOVE NO MORE THAN ONE THIRD (1/3) OF THE GRASS LENGTH. WHEN THE AMOUNT OF GRASS IS HEAVY, IT SHALL BE REMOVED TO PREVENT DESTRUCTION OF THE UNDERLYING TURF. MOW GRASS AREAS IN SUCH A MANNER AS TO PREVENT CLIPPINGS FROM BLOWING ON PAVED AREAS, AND SIDEWALKS. CLEANUP AFTER MOWING SHALL INCLUDE SWEEPING OR BLOWING OF PAVED AREAS AND SIDEWALKS TO CLEAR THEM FROM MOWING DEBRIS

23. GRASSED AREAS DAMAGED DURING THE PROCESS OF THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL RESTORE THE DISTURBED AREAS TO A CONDITION SATISFACTORY TO THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIAL, OR OWNER/OWNER'S REPRESENTATIVE. THIS MAY INCLUDE FILLING TO GRADE, FERTILIZING, SEEDING, AND MULCHING

24. SHOULD THE OWNER REQUIRE MAINTENANCE BEYOND THE STANDARD 90-DAY MAINTENANCE PERIOD, A SEPARATE CONTRACT SHALL BE ESTABLISHED.

25. LANDSCAPE CONTRACTOR SHALL WATER NEW PLANTINGS FROM TIME OF INSTALL AND THROUGHOUT REQUIRED 90-DAY MAINTENANCE PERIOD UNTIL PLANTS ARE ESTABLISHED. IF ON-SITE WATER IS NOT AVAILABLE AT THE PROJECT LOCATION, THE LANDSCAPE CONTRACTOR SHALL FURNISH IT BY MEANS OR A WATERING TRUCK OR OTHER ACCEPTABLE MANNER. 26. THE QUANTITY OF WATER APPLIED AT ONE TIME SHALL BE SUFFICIENT TO PENETRATE THE SOIL TO A MINIMUM OF EIGHT INCHES (8") IN SHRUB BEDS AND SIX INCHES (6") IN TURF AREAS AT A RATE WHICH WILL PREVENT SATURATION OF THE SOIL. 27. IF AN AUTOMATIC IRRIGATION SYSTEM HAS BEEN INSTALLED, IT CAN BE USED FOR WATERING PLANT MATERIAL. HOWEVER, FAILURE OF THE SYSTEM DOES NOT ELIMINATE THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY OF PLANT HEALTH AND ESTABLISHMENT

PLANT MATERIAL GUARANTEE NOTES:

. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF TWO YEARS (2 YR.) FROM APPROVAL OF LANDSCAPE INSTALLATION BY THE PROJECT LANDSCAPE DESIGNER, MUNICIPAL OFFICIAL, OR OWNER/OWNER'S REPRESENTATIVE

2. THE LANDSCAPE CONTRACTOR SHALL REMOVE AND REPLACE DYING, DEAD, OR DEFECTIVE PLANT MATERIAL AT HIS EXPENSE. THE LANDSCAPE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS COMPANY'S OPERATIONS. 3. ALL REPLACEMENT PLANTS SHALL BE OF THE SAME SPECIES AND SIZE AS SPECIFIED ON THE APPROVED OR FINAL PLANT LIST. REPLACEMENTS RESULTING FROM REMOVAL, LOSS, OR DAMAGE DUE TO OCCUPANCY OF THE PROJECT IN ANY PART, vandalism, physical damage by animals, vehicles, etc., and losses due to curtailment of water by local AUTHORITIES SHALL BE APPROVED AND PAID FOR BY THE OWNER. 4. THE CONTRACTOR SHALL INSTRUCT THE OWNER AS TO THE PROPER CARE AND MAINTENANCE OF ALL PLANTINGS.

LAWN (SEED OR SOD) NOTES:

. SEED MIXTURE SHALL BE FRESH, CLEAN, NEW CROP SEED. SOD SHALL BE STRONGLY ROOTED, UNIFORM IN THICKNESS, AND FREE OF WEEDS, DISEASE, AND PESTS

2. SEED OR SOD SHALL BE PURCHASED FROM A RECOGNIZED DISTRIBUTOR AND SHALL BE COMPOSED OF THE MIX OR BLEND WITHIN THE PROVIDED "SEED SPECIFICATION" OR "SOD SPECIFICATION." 3. REFERENCE LANDSCAPE PLAN FOR AREAS TO BE SEEDED OR LAID WITH SOD.

4. SEEDING SHALL NOT BE PERFORMED IN WINDY WEATHER. IF THE SEASON OF THE PROJECT COMPLETION PROHIBITS PERMANENT STABILIZATION, TEMPORARY STABILIZATION SHALL BE PROVIDED IN ACCORDANCE WITH THE "TEMPORARY SEEDING SPECIFICATION.'

5. PROTECT NEW LAWN AREAS AGAINST TRESPASSING WHILE THE SEED IS GERMINATING. FURNISH AND INSTALL FENCES, SIGNS, BARRIERS OR ANY OTHER NECESSARY TEMPORARY PROTECTIVE DEVICES. DAMAGE RESULTING FROM TRESPASS, EROSION, WASHOUT, SETTLEMENT OR OTHER CAUSES SHALL BE REPAIRED BY THE LANDSCAPE CONTRACTOR AT HIS EXPENSE. REMOVE ALL FENCES, SIGNS, BARRIERS OR OTHER TEMPORARY PROTECTIVE DEVICES ONCE LAWN HAS BEEN ESTABLISHED.

CITY OF NOVI NONLIVING DURABLE MATERIAL NOTES:

NONLIVING DURABLE MATERIAL

. MULCH FOR ALL PLANTINGS SHALL BE PREMIUM SHREDDED HARDWOOD AND SHALL NOT BE ARTIFICIALLY COLORED. NO CYPRESS WOOD MULCH OR RUBBER MULCH IS TO BE USED.

. TREES SHALL BE MULCHED TO A 3 INCHES OVERALL DEPTH AT PLANTING.

3. SHRUBS, GROUNDCOVERS AND PERENNIALS SHALL BE MULCHED TO A 2 INCHES OVERALL DEPTH AT PLANTING. 4. ALL LAWN TREES SHALL BE PLANTED WITH A 4 FOOT DIAMETER CIRCLE OF THE SHREDDED HARDWOOD BARK MULCH.

5. MULCH SHALL BE PULLED BACK 3 INCHES FROM THE TREE TRUNK IN A CIRCLE DOWN TO THE ROOT BALL DIRT TO EXPOSE THE ROOT COLLAR TO AIR. NO "VOLCANO" MULCHING IS ALLOWED AT PLANTING OR IN FUTURE APPLICATIONS OF MULCH. 6. IF A ROOTBALL'S DIRT IS PILED UP ON THE TRUNK, IT SHOULD BE REMOVED TO EXPOSE THE ROOT FLARE.

		OVED		RC	3 III/24/2020 MG FOR OWNER REVIEW	2 II/II/2020 MG FOR OWNER REVIEW	I 09/16/2020 AF/MG FOR PRELIMINARY SITE PLAN APPROVAL	SSUE DATE BY DESCRIPTION
	STONEFIELD		Detroit MI . Rutherford NI . New York NY					Phone 248.247.1115
SITE DEVELOPMENT PLANS	STORIE LOU PLAZA			PROPOSED MULTI-TENANT	COMMERCIAL BUILDING	SECTION 14	PARCEL ID: 22-14-352-002	CITY OF NOVI OAKLAND COUNTY, MICHIGAN
	MICH		CEN DFESS	SE No	5.620 AL EN		28 =R	
SCALE TITLE: LA DRAW	I AS	show	vn PII					200133

C-X

LOCATION MAP SCALE: I" = 2,000'±

SOIL CHARACTE	RISTICS CHART
TYPE OF SOIL	CAPAC SANDY SLOPE (6BGF
PERCENT OF SITE COVERAGE	29.0%
HYDROLOGIC SOIL GROUP	C/D
DEPTH TO RESTRICTIVE LAYER	MORE THAN 80 INCHES
SOIL PERMEABILITY	0.20 TO 0.57 IN / HR
DEPTH TO WATER TABLE	12 TO 24 INCHES
	FROM NRCS SOIL SERVICE
SOURCE: INFORMATION OBTAINED	FROM NRCS SOIL SERVICE
SOURCE: INFORMATION OBTAINED SOIL CHARACTE TYPE OF SOIL	FROM NRCS SOIL SERVICE
OURCE: INFORMATION OBTAINED SOIL CHARACTE TYPE OF SOIL PERCENT OF SITE COVERAGE	FROM NRCS SOIL SERVICE ERISTICS CHART URBAN LAND (6BJHP) 71.0%
SOURCE: INFORMATION OBTAINED SOIL CHARACTE TYPE OF SOIL PERCENT OF SITE COVERAGE HYDROLOGIC SOIL GROUP	FROM NRCS SOIL SERVICE
SOURCE: INFORMATION OBTAINED SOIL CHARACTE TYPE OF SOIL PERCENT OF SITE COVERAGE HYDROLOGIC SOIL GROUP DEPTH TO RESTRICTIVE LAYER	FROM NRCS SOIL SERVICE
SOURCE: INFORMATION OBTAINED SOIL CHARACTE TYPE OF SOIL PERCENT OF SITE COVERAGE HYDROLOGIC SOIL GROUP DEPTH TO RESTRICTIVE LAYER SOIL PERMEABILITY	FROM NRCS SOIL SERVICE

SEQUENCE OF CONSTRUCTION

- INSTALL SILT FENCE WHERE NECESSARY (2 DAYS).
- ROUGH GRADING AND TEMPORARY SEEDING (10 DAYS). EXCAVATE AND INSTALL DRAINAGE PIPING, AND INLETS (20 DAYS).
- INSTALL INLET FILTERS (I DAY). BUILDING CONSTRUCTION AND SITE IMPROVEMENTS (90 DAYS).
- LANDSCAPING IMPROVEMENTS AND FINAL SEEDING (7 DAYS). REMOVE SOIL EROSION MEASURES (I DAY).
- NOTE: TIME DURATIONS ARE APPROXIMATE AND ARE INTENDED TO ACT AS A GENERAL GUIDE TO THE CONSTRUCTION TIMELINE. ALL DURATIONS ARE SUBJECT TO CHANGE BY CONTRACTOR. CONTRACTOR SHALL SUBMIT CONSTRUCTION SCHEDULE TO CITY AND ENGINEER. CONTRACTOR SHALL PHASE CONSTRUCTION ACCORDINGLY

SOIL EROSION AND SEDIMENT CONTROL NOTES

- I. THE CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL AIR QUALITY STANDARDS.
- 3. THE CONTRACTOR IS RESPONSIBLE TO INSPECT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER A PRECIPITATION EVENT GREATER THAN I INCH. THE CONTRACTOR SHALL MAINTAIN AN INSPECTION LOG ON SITE AND DOCUMENT CORRECTIVE ACTION TAKEN THROUGHOUT THE COURSE OF CONSTRUCTION AS REQUIRED.

12" RCP, SOUTH, 914.72I.E.

MANHOLE SCHEDULE: STORM DRAIN MANHOLE (SDM #233) RIM=921.32 8" RCP, EAST, 914.72I.E.

ROUND CATCH BASIN (CB #259) RIM=918.88 8" RCP, EAST, 916.50I.E.

SQUARE CATCH BASIN (CB #340) RIM=917.49 12" RCP, SOUTHEAST, 912.94I.E.

ROUND CATCH BASIN (CB #531) RIM=920.42

8" RCP, EAST, 916.95I.E.

STORM DRAIN MANHOLE (SDM #569) RIM=922.24 12" RCP, SOUTH, 910.24I.E.

STORM DRAIN MANHOLE (SDM #578) RIM=916.04 12" RCP, WEST, 912.04I.E.

12" RCP, SOUTHEAST, 912.041.E. STORM DRAIN MANHOLE (SDM #580)

RIM=916.24 12" RCP, NORTH, 909.59I.E. 12" RCP, SOUTH, 909.391.E. 12" RCP, EAST, 911.74I.E. 12" RCP, WEST, 911.34I.E.

STORM DRAIN MANHOLE (SDM #943) RIM=916.91 12" RCP, NORTH, 914.30I.E. 6" STEEL, WEST, 910.46I.E.

SQUARE CATCH BASIN (CB #1022) RIM=917.02

12" RCP, EAST, 912.67I.E.

6" STEEL, EAST, 910.56I.E.

SANITARY SEWER MANHOLE (SMH #1190) RIM=916.57 8" PIPE, NORTH, 904.97I.E. 8" PIPE, SOUTH, 904.97I.E.

SANITARY SEWER MANHOLE (SMH #1192) RIM=922.38 8" PIPE, SOUTH, 910.48I.E.

SQUARE CATCH BASIN (CB #20418) RIM=915.33

12" RCP, NORTHWEST, 911.98I.E. 12" RCP, NORTHEAST, 912.08I.E.

PROPERTY DESCRIPTION LAND SITUATED IN THE CITY OF NOVI, COUNTY OF OAKLAND, STATE OF MICHIGAN, DESCRIBED AS

ALL THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 14, TOWN I NORTH, RANGE 8 EAST, CITY OF NOVI, OAKLAND COUNTY, MICHIGAN, DESCRIBED AS: BEGINNING ON THE WEST LINE OF SECTION 14, WHICH LINE IS ALSO THE CENTERLINE OF NOVI ROAD, 66 FEET WIDE, AT A POINT DISTANT DUE NORTH 537.18 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION 14; THENCE CONTINUING ALONG THE WEST LINE OF SAID SECTION 14, DUE NORTH 188.62 FEET; THENCE SOUTH 89 DEGREES 47 MINUTES 40 SECONDS EAST 328.40 FEET; THENCE SOUTH 00 DEGREES 52 MINUTES 00 SECONDS WEST 187.06 FEET; THENCE SOUTH 89 DEGREES 55 MINUTES 45 SECONDS WEST 325.50 FEET TO THE POINT OF BEGINNING, EXCEPT THE WEST 55 FEET DEEDED FOR ROAD PURPOSES.

PARCEL AREA

FOLLOWS:

SUBJECT PARCEL AS DESCRIBED CONTAINS ±51,051 SQUARE FEET OF LAND BEING ±1.17 ACRES OF LAND. **BASIS OF BEARING**

THE BASIS OF BEARING IS THE WEST LINE OF SECTION 14, TOWN I NORTH, RANGE 8 WEST, CITY OF NOVI, OAKLAND COUNTY, MICHIGAN.

CITY OF NOVI BENCHMARK #1542:

"X" ON NORTH RIM OF SANITARY MANHOLE 25' WEST OF BACK OF CURB AND 45' SOUTH OF DRIVEWAY TO #26179 NOVI ROAD. ELEVATION = 915.10 NAVD88

BENCHMARK DATA:

CITY OF NOVI BENCHMARK #2221: "X" ON SOUTHEAST FLANGE BOLT OF FIRE HYDRANT AT THE SOUTHWEST CORNER OF GRAND RIVER BOULEVARD AND NOVI ROAD. ELEVATION = 910.80 NAVD88

SITE BENCHMARK | (SITE BM #I): TOP ARROW OF HYDRANT LOCATED ON THE SOUTH SIDE OF CROWE DRIVE ±103 FEET EAST OF NOVI ROAD. ELEVATION = 919.97 NAVD88

SITE BENCHMARK 2 (SITE BM #2): TOP ARROW OF HYDRANT LOCATED ON THE EAST SIDE OF NOVI ROAD ±75 FEET NORTH OF CROWE ROAD. ELEVATION = 923.77 NAVD88

			VALL I OLL AN	D TIXTONE COME	
REFEREN	CE TABLES				
5)		Wind Zone (MPH)			
	Pole Height (Feet)	80	90	100	
	15	SSS4A15SFM41			
	20	SSS4A20SFM41			
	25	SSS4A25	SSS5A25SFM4 ²		
	30	SSS5A30	SFM4 ²	SSS5M30SFM4 ²	
50)		Wind Zone (MPH)			
	Pole Height (Feet)	80	90	100	
	15	SSS4A15SFM41			
	20		4 ¹		
	25	SSS4A25	SSS5A25SFM4 ²		
	30	SSS5A30	SFM4 ²	SSS5M30SFM4 ²	
25)			Wind Zone (MF	YH)	
	Pole Height (Feet)	80	90	100	
	15	SSS4A15SFM41			
	20		41		
	25	SSS4A25SFM41		SSS5A25SFM4 ²	
	30	SSS5A30SFM4 ²		SSS5M30SFM4 ²	
00)			Wind Zone (MP	YH)	
	Pole Height (Feet)	80	90	100	
	15	SSS4A15SFM41			
	20		4 ¹		
	25	SSS4A25	SSS5A25SFM4 ²		
	30	SSS5A30	SSS5M30SFM4 ²		

-√------

20'	0'	20'	40'
		20	
	GRAPHIC S	CALE IN FEET = 20'	

BENCHMARK DATA: CITY OF NOVI BENCHMARK #1542:

ON NORTH RIM OF SANITARY MANHOLE 25' WEST OF BACK OF CURB AND 45' SOUTH OF DRIVEWAY TO #26179 NOVI ROAD. ELEVATION = 915.10 NAVD88

CITY OF NOVI BENCHMARK #2221: "ON SOUTHEAST FLANGE BOLT OF RE HYDRANT AT THE SOUTHWEST CORNER OF GRAND RIVER BOULEVARD AND NOVI ROAD. ELEVATION = 910.80 NAVD88

<u>SITE BENCHMARK 1 (SITE BM #1)</u>: ARROW OF HYDRANT LOCATED ON THE SOUTH SIDE OF CROWE DRIVE ±103 FEET EAST OF NOVI ROAD. ELEVATION = 919.97 NAVD88

SITE BENCHMARK 2 (SITE BM #2): TOP ARROW OF HYDRANT LOCATED ON THE EAST SIDE OF NOVI ROAD ±75 FEET NORTH OF CROWE ROAD. ELEVATION = 923.77 NAVD88

MANHOLE SCHEDULE: STORM DRAIN MANHOLE (SDM #233)

RIM=921.32 8" RCP, EAST, 914.72I.E. 12" RCP, SOUTH, 914.72I.E.

ROUND CATCH BASIN (CB #259) RIM=918.88 8"RCP, EAST, 916.50I.E.

SQUARE CATCH BASIN (CB #340) RIM=917.49 12" RCP, SOUTHEAST, 912.94I.E.

ROUND CATCH BASIN (CB #531) RIM=920.42 8" RCP, EAST, 916.95I.E.

STORM DRAIN MANHOLE (SDM #569) RIM=922.24

12" RCP, SOUTH, 910.24I.E. STORM DRAIN MANHOLE (SDM #578) RIM=916.04

12" RCP, WEST, 912.04I.E. 12" RCP, SOUTHEAST, 912.04I.E.

STORM DRAIN MANHOLE (SDM #580) RIM=916.24 12" RCP, NORTH, 909.59I.E. 12" RCP, SOUTH, 909.39I.E. 12" RCP, EAST, 911.74I.E. 12" RCP, WEST, 911.34I.E.

STORM DRAIN MANHOLE (SDM #943) RIM=916.91 12" RCP, NORTH, 914.30I.E. 6" STEEL, WEST, 910.46I.E.

6" STEEL, EAST, 910.56I.E. <u>SQUARE CATCH BASIN (CB #1022)</u> RIM=917.02 12" RCP, EAST, 912.67I.E.

SANITARY SEWER MANHOLE (SMH #1190) RIM=916.57 8" PIPE, NORTH, 904.97I.E. 8" PIPE, SOUTH, 904.97I.E.

<u>SANITARY SEWER MANHOLE (SMH #1192)</u> RIM=922.38 8" PIPE, SOUTH, 910.48I.E.

SQUARE CATCH BASIN (CB #20418) RIM=915.33 12" RCP, NORTHWEST, 911.98I.E. 12" RCP, NORTHEAST, 912.08I.E.

LEGEND:

FOUND MONUMENT (AS NOTED) SECTION CORNER PROPERTY CORNER SQUARE CATCH BASIN STORM MANHOLE ROUND CATCH BASIN FIRE HYDRANT WATER VALVE WATER MANHOLE UNKNOWN MANHOLE GAS METER GAS MARKER EXISTING ELEVATION ×120.00 TREE W/DIAMETER IN INCHES LIGHT POLE ELECTRIC METER ELECTRIC TRANSFORMER ELECTRIC PANEL AIR CONDITIONER TELEPHONE RISER TELEVISION RISER TELEVISION BOX HANDICAP PARKING BOLLARD SINGLE POST SIGN DOUBLE POST SIGN FLAG POLE PNEUMATIC TUBE ഹ ADJOINING BOUNDARY LINE - EDGE OF ASPHALT BOUNDARY LINE - BUILDING - - - - - - Building overhang - EDGE OF CONCRETE — — EASEMENT ----- EASEMENT CENTERLINE - EDGE OF METAL PARKING STRIPE ------ SECTION LINE — EDGE OF SIDEWALK TREE CANOPY WALL (AS NOTED) ------ EDGE OF WATER - EDGE OF BRICK

LEGAL DESCRIPTION LAND SITUATED IN THE CITY OF NOVI, COUNTY OF OAKLAND, STATE OF MICHIGAN, DESCRIBED AS FOLLOWS:

ALL THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 14, TOWN 1 NORTH, RANGE 8 EAST, CITY OF NOVI, OAKLAND COUNTY, MICHIGAN, DESCRIBED AS: BEGINNING ON THE WEST LINE OF SECTION 14, WHICH LINE IS ALSO THE CENTERLINE OF NOVI ROAD, 66 FEET WIDE, AT A POINT DISTANT DUE NORTH 537.18 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION 14; THENCE CONTINUING ALONG THE WEST LINE OF SAID SECTION 14, DUE NORTH 188.62 FEET; THENCE SOUTH 89 DEGREES 47 MINUTES 40 SECONDS EAST 328.40 FEET; THENCE SOUTH OO DEGREES 52 MINUTES OO SECONDS WEST 187.06 FEET; THENCE SOUTH 89 DEGREES 55 MINUTES 45 SECONDS WEST 325.50 FEET TO THE POINT OF BEGINNING, EXCEPT THE WEST 55 FEET DEEDED FOR ROAD PURPOSES.

TITLE REPORT EXCEPTIONS:

ONLY THOSE EXCEPTIONS CONTAINED WITHIN TITLE CONNECT TITLE COMMITMENT NUMBER TC13-91836, DATED MAY 13, 2020 AND RE-LISTED BELOW WERE CONSIDERED FOR THIS SURVEY. NO OTHER RECORDS RESEARCH WAS PERFORMED BY THE CERTIFYING SURVEYOR.

- 19. EASEMENT FOR PUBLIC IMPROVEMENTS IN FAVOR OF THE CITY OF NOVI, AND THE TERMS, CONDITIONS AND PROVISIONS CONTAINED THEREIN, RECORDED IN LIBER 10009, PAGE 542. (AS SHOWN)
- 21. TERMS, CONDITIONS AND PROVISIONS CONTAINED IN AGREEMENT AND GRANT OF EASEMENT RECORDED IN LIBER 9388, PAGE 185. (DOCUMENT DOES NOT SPECIFICALLY DEFINE THE LOCATION OF EASEMENT AREA, THEREFORE SAID EASEMENT AREA IS NOT SHOWN HEREON) (SUBJECT PARCEL IS PART OF THE SHOPPING CENTER, AS DEFINED IN SAID DÓCUMENT)

UTILITY NOTE:

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA. EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS DOESIDE ERON INCOMPATION AVAILABLE AS POSSIBLE FROM INFORMATION AVAILABLE.

NOTES:

- SURVEY IN ACCORDANCE WITH TITLE COMMITMENT NO. TC13-91836 PREPARED BY TITLE CONNECT, UNDER WRITTEN FIRST AMERICAN TITLE INSURANCE COMPANY, DATED MAY 13, 2020.
- 2. TREE SIZES ARE THE BEST ESTIMATION OF THE FIELD SURVEYOR. SPECIFIC QUESTIONS REGARDING INDIVIDUAL TREES SHOULD BE DIRECTED TO A QUALIFIED FORESTER.
- 3. THE BASIS OF BEARING IS THE WEST LINE OF SECTION 14, TOWN 1 NORTH, RANGE 8 WEST, CITY OF NOVI, OAKLAND COUNTY, MICHIGAN. 4. BY GRAPHIC PLOTTING ONLY, THIS PARCEL IS LOCATED WITHIN A FEDERALLY
- DESIGNATED FLOOD HAZARD AREA ZONE X OTHER AREAS (AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN) OF THE FLOOD INSURANCE RATE MAP, MAP NUMBER 26125C0626F, EFFECTIVE DATE OF SEPTEMBER 29, 2006. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THE ZONE AND AN ELEVATION CERTIFICATE MAY BE NEEDED TO VERIFY THIS DETERMINATION OR APPLY FOR A VARIANCE FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY.
- 5. SUBJECT PARCEL AS DESCRIBED CONTAINS $\pm 51,051$ SQUARE FEET OF LAND BEING ± 1.17 ACRES OF LAND.
- 6. THERE ARE 24 REGULAR PARKING SPACES AND 2 HANDICAPPED PARKING SPACES WITHIN THE SUBJECT PARCEL.
- 7. AT THE TIME OF SURVEY THERE WAS NO OBSERVABLE EVIDENCE OF EARTH MOVING WORK OR BUILDING CONSTRUCTION WITHIN RECENT MONTHS.
- 8. AT THE TIME OF SURVEY THERE WERE NO CHANGES IN THE STREET RIGHT OF WAY LINES EITHER COMPLETED OR PROPOSED AND AVAILABLE FROM THE CONTROLLING JURISDICTION OR OBSERVABLE EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION REPAIRS.
- 9. AT THE TIME OF SURVEY, THERE WAS NO EVIDENCE OF FIELD DELINEATED WETLAND MARKERS PRESENT UPON SUBJECT PARCEL.
- 10. AT THE TIME OF SURVEY THERE WAS NO OBSERVABLE EVIDENCE OF CEMETERIES, BURIAL GROUNDS OR ISOLATED GRAVESITES WITHIN THE SUBJECT PARCEL. 11. AT THE TIME OF SURVEY, SUBJECT PARCEL HAS ACCESS TO NOVI ROAD, A PUBLIC RIGHT OF WAY AND CROWE DRIVE, A PUBLIC RIGHT OF WAY.
- 12. AT THE TIME OF SURVEY THERE WAS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL. 13.GAS, ELECTRIC , WATER, TELEPHONE AND SEWER UTILITIES ACCESS THE PROPERTY VIA A PUBLIC RIGHT OF WAY OR AN EASEMENT LEADING TO A PBLIC RIGHT OF WAY, EXCEPT AS SOWN HEREON.

SURVEYORS CERTIFICATION:

TO ALRIG USA ACQUISITIONS LLC, TITLE CONNECT AND FIRST AMERICAN TITLE INSURANCE COMPANY:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 4, 7(A), 8, 11, 16, AND 18 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON JULY 16, 2020.

9/24/20 LAYMAN

Image:				
3 11/18/20 2 11/16/20 1 09/24/20 1 09/24/20				
ACCOMPANY, Suite 143, Farmington Hills, MI 483 2045 Northwestern Hwy., Suite 143, Farmington Hills, MI 483 Phone: (248) 932-7120 • Fax: (248) 932-7124 Email: info@corelandconsulting.com • www.corelandconsulting				
PROJECT LOCATION: 26222 NOVI ROAD				
NOVI 48375 WAYNE COUNTY, MICHIGAN DRAWN BY: CLG CHECKED BY: NEM/MDL FIELD WORK BY: NEM/RG				
Know what's below. Call before you dig.				
Terms and Conditions for Electronic Data: This document is provided in electronic format for the referenced project. It is understood and agreed that any use or reuse of original or altered files will be at the user's own risk and legal responsibility. It is also agreed that the electronic files provided by Core Land Consulting, LLC (CLC) are being provided for general information purposes only. Neither the electronic files nor any CAD versions are to be relied upon for design purposes, the user expressly indemnifies and holds CLC harmless for any and all claims, suits, liability, demands or other costs arising out of or resulting from the unauthorized use of these materials. CLC makes no representation as to the accuracy of the information provided by the electronic media. Data on electronic media can deteriorate or be modified without the knowledge of CLC.				
SHEET: ALTA/NSPS LAND TITLE SURVEY				
DATE: 07/27/2020 SCALE: 1" = 20' PROJECT NO: 3253-347				

SHEET 1 OF 1

DEFINITION OF RATINGS:

- GOOD: The tree appears to be in a healthy and satisfactory condition with an overall sound stem structure and with a full and balanced crown; the growth habit appears normal; there is no indication of pests or diseases present; and the life expectancy is judged to be greater than twenty-five (25) years. The rating based on the health / condition chart ranges from 30 to 24.
- FAIR: The tree appears to be in a healthy and satisfactory condition with a minimum of structural problems and with minor crown imbalance or thin crown; the growth habit appears normal; there is no indication of pests or diseases present; and the life expectancy is judged to be greater than twenty (20) years. The rating based on the health / condition chart ranges from 23 to 16.
- POOR: The tree appears to be in an unhealthy condition with structural problems and with major crown imbalance, dead or dying limbs, or growth only in the top quarter of the tree; the growth habit is misshapen and askew; there is evidence of pests or diseases present; and the life expectancy is judged to be less than ten (10) years. The rating based on the health / condition chart ranges from 15 to 7.
- VERY POOR (V. Poor): The tree appears to be in an unhealthy condition with major structural problems and with major crown imbalance or several dead limbs and/or peeling bark; the growth habit is severely misshapen and askew; there is evidence of pests or diseases present; and the life expectancy is judged to be less than five (5) years. The rating based on the health / condition chart ranges from 6 to 1.
- DEAD: The tree has no live branches, is topped, or has fallen. The rating based on the health / condition chart is 0.

TREE HEALTH / CONDITION FACTORS & RATINGS

PROJECT LOCATION: Existing Tree Inventory 26222 Novi Road Novi, Michigan

LANDSCAPE PLAN FOR: Stonefield Engineering 607 Shelby Street, Suite 200 Detroit, Michigan 48226 (248) 247-1115

LANDSCAPE PLAN BY: Nagy Devlin Land Design, L.L.C. 31736 West Chicago Avenue Livonia, Michigan 48150 (734) 634 9208

TP - 1: TREE INVENTORY PLAN

* Base data from a survey by CORE LAND CONSULTING.

