

# SAKURA NOVI JZ19-31

# SAKURA NOVI JZ19-31 WITH REZONING 18.732

Public hearing at the request of Robert B. Aikens & Associates, LLC and Robertson Brothers Homes for Planning Commission's recommendation to City Council for a Zoning Map amendment from Office Service (OS-1), Office Service Commercial (OSC) and Light Industrial (I-1) to Town Center-1 (TC-1) with a Planned Rezoning Overlay. The subject property is approximately 15.59 acres and is located north of Grand River Avenue, south of Eleven Mile Road and east of Town Center Drive (Section 23). The applicant is proposing to develop the property as an Asian-themed mixed-use development.

# **REQUIRED ACTION**

Recommendation to City Council for approval or denial, or postpone the recommendation, of the rezoning request from Office Service (OS-1), Office Service Commercial (OSC) and Light Industrial (I-1) to Town Center-1 (TC-1) with a Planned Rezoning Overlay.

#### MOTION SHEET

#### Postpone Recommendation

In the matter of Sakura Novi, JZ19-31, with Zoning Map Amendment 18.732, motion to postpone making a recommendation to the City Council to rezone the subject property from Office Service (OS-1), Office Service Commercial (OSC) and Light Industrial (I-1) to Town Center-1 (TC-1) with a Planned Rezoning Overlay Concept Plan. This motion is made for the following reasons:

- 1. To allow the applicant time to provide a revised submittal which reflects the changes shown on the phasing plan as received via email on December 4, 2019;
- 2. To allow the applicant time to determine details such as proposed parcel lines, wetland mitigation, woodland discrepancies;
- 3. To allow staff to review the revisions to the plans to identify any additional deviations and conditions that would be needed in the PRO Agreement, and evaluate any new information provided;
- 4. To allow the applicant to work with staff to reduce the number of deviations requested;
- 5. To allow additional time for the applicant to submit additional evidence/information in support of the public benefits to be achieved through this development and to justify the proposed ordinance deviations and the intent of the section 7.13.2.D.ii that the proposed PRO rezoning would be in the public interest and the benefits to public of the proposed PRO rezoning would clearly outweigh the detriments.
- 6. The applicant shall have the opportunity to clarify through a modified submittal if any PRO conditions are being offered under the PRO provisions of the Zoning Ordinance;
- 7. (Additional reasons here if any).

#### -OR-

#### Approval

In the matter of Sakura Novi, JZ19-31, with Zoning Map Amendment 18.732 motion to **recommend approval** to City Council to rezone the subject property from Office Service (OS-1), Office Service Commercial (OSC) and Light Industrial (I-1) to Town Center-1 (TC-1) with a Planned Rezoning Overlay Concept Plan.

The recommendation includes the following ordinance deviations for consideration by the City Council:

# [insert all deviations being recommended from the applicant's response dated December 4, 2019]

If the City Council approves the rezoning, the Planning Commission recommends the following conditions be made part of the PRO Agreement:

#### [insert any conditions]

This motion is made because the proposed Town Center-1 zoning district is a reasonable alternative to the Master Plan for Land Use, and because:

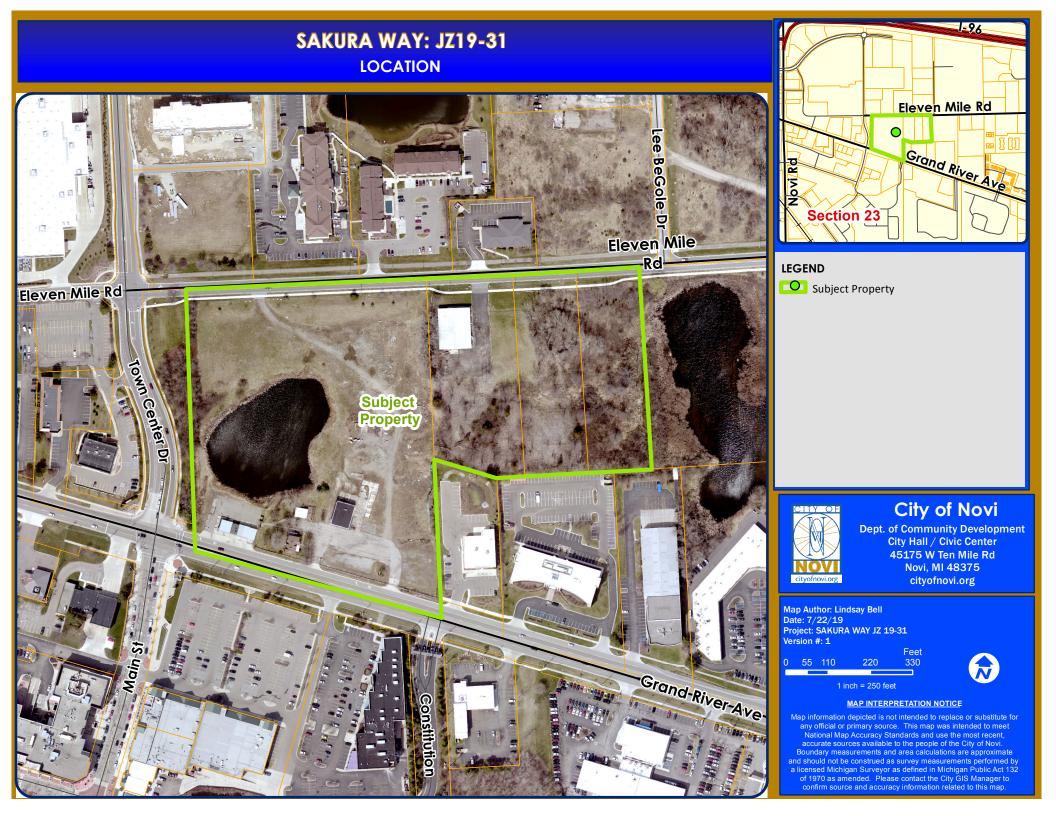
#### [insert reasons/benefits of the development]:

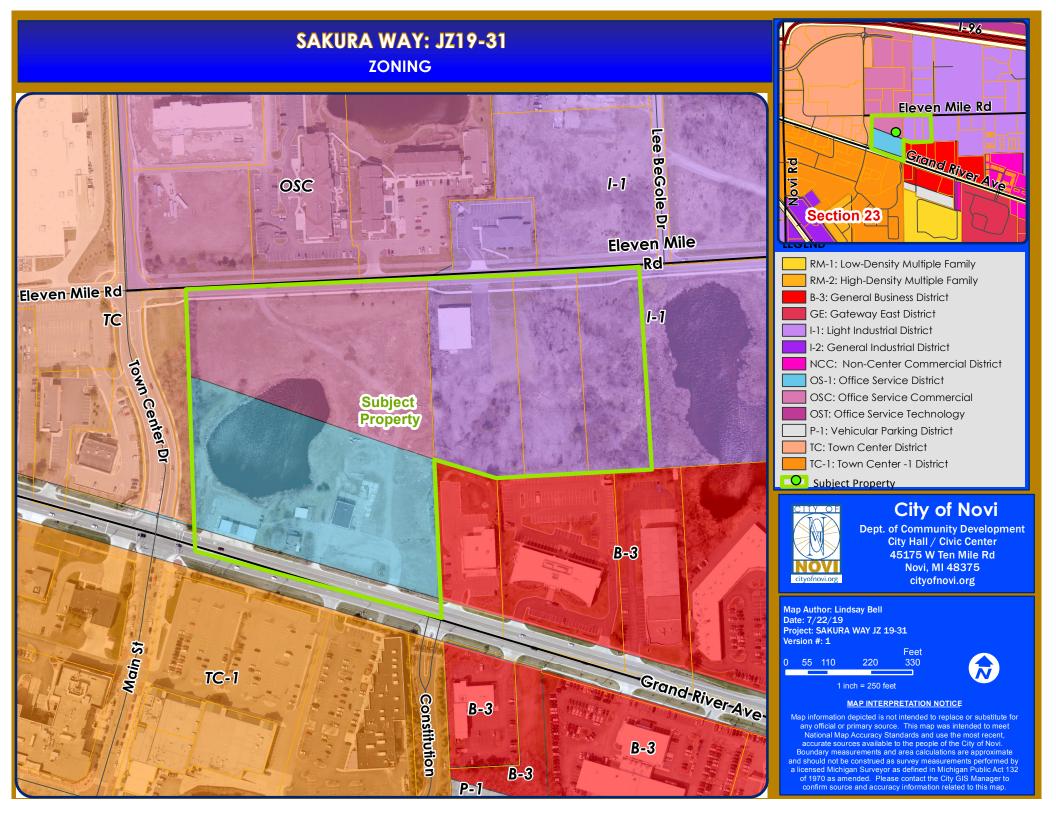
# -OR-

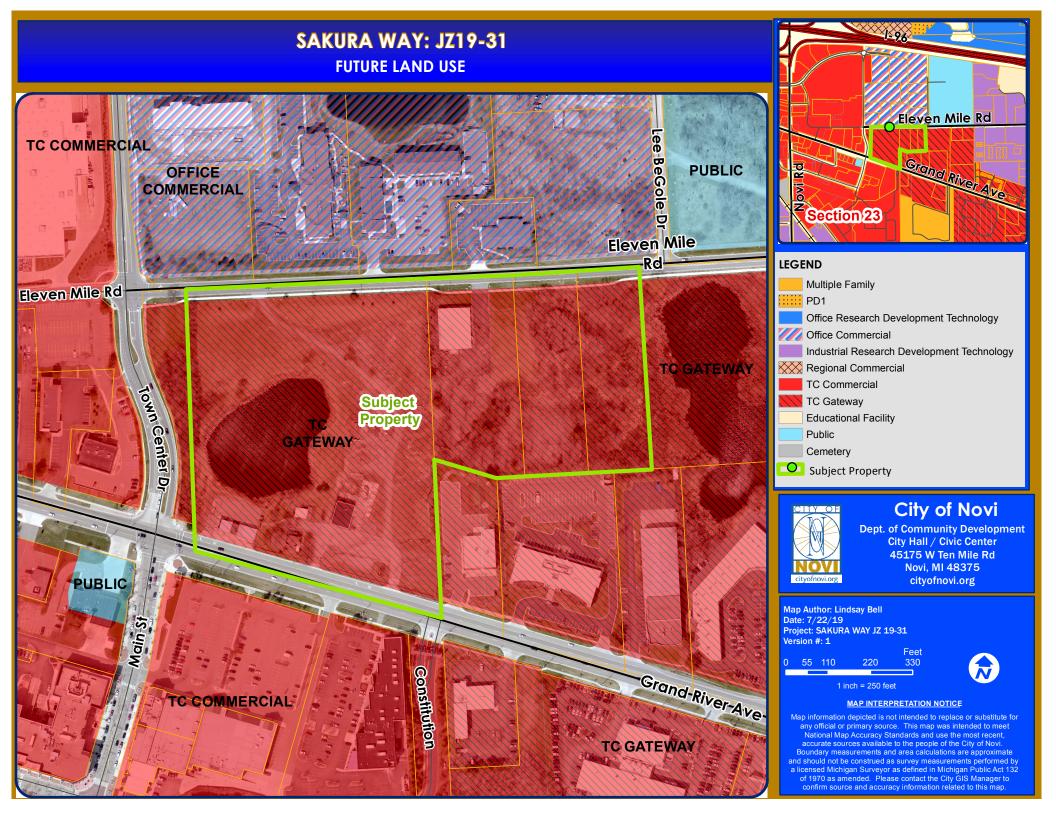
#### Denial

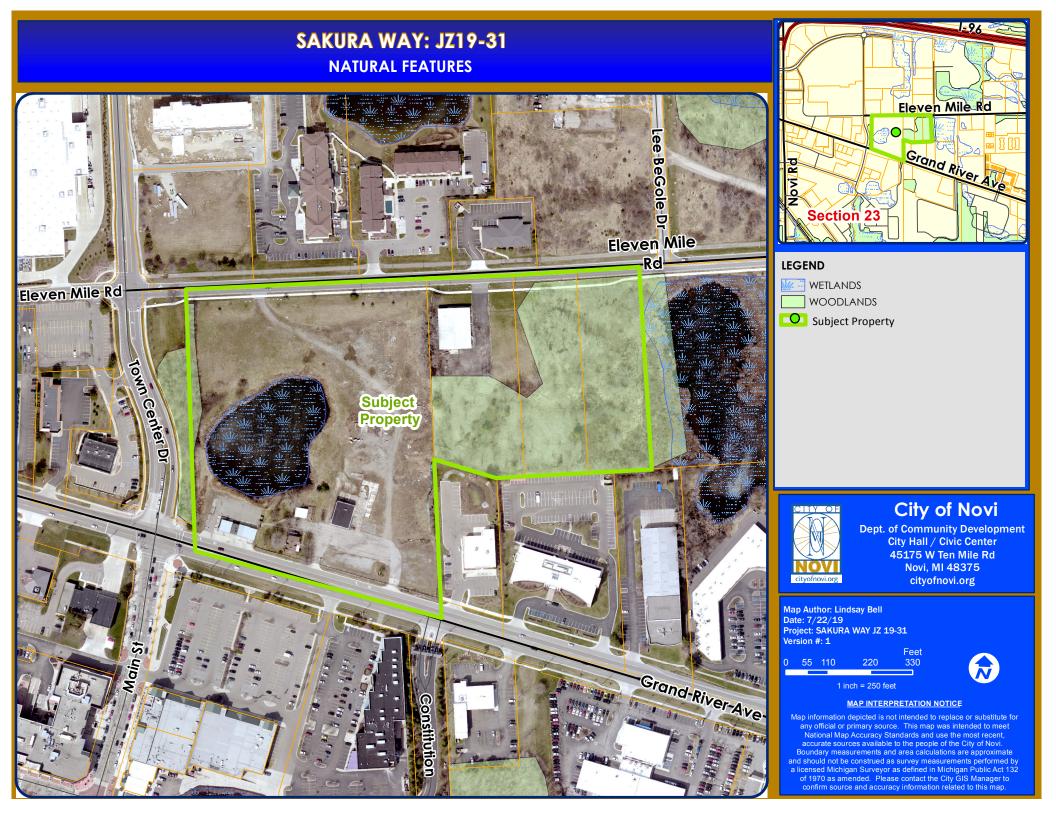
In the matter of Sakura Novi, JZ19-31, with Zoning Map Amendment 18.732 motion to **recommend denial** to City Council to rezone the subject property from Office Service (OS-1), Office Service Commercial (OSC) and Light Industrial (I-1) to Town Center-1 (TC-1) with a Planned Rezoning Overlay Concept Plan... because [insert any reasons]

<u>MAPS</u> Location Zoning Future Land Use Natural Features

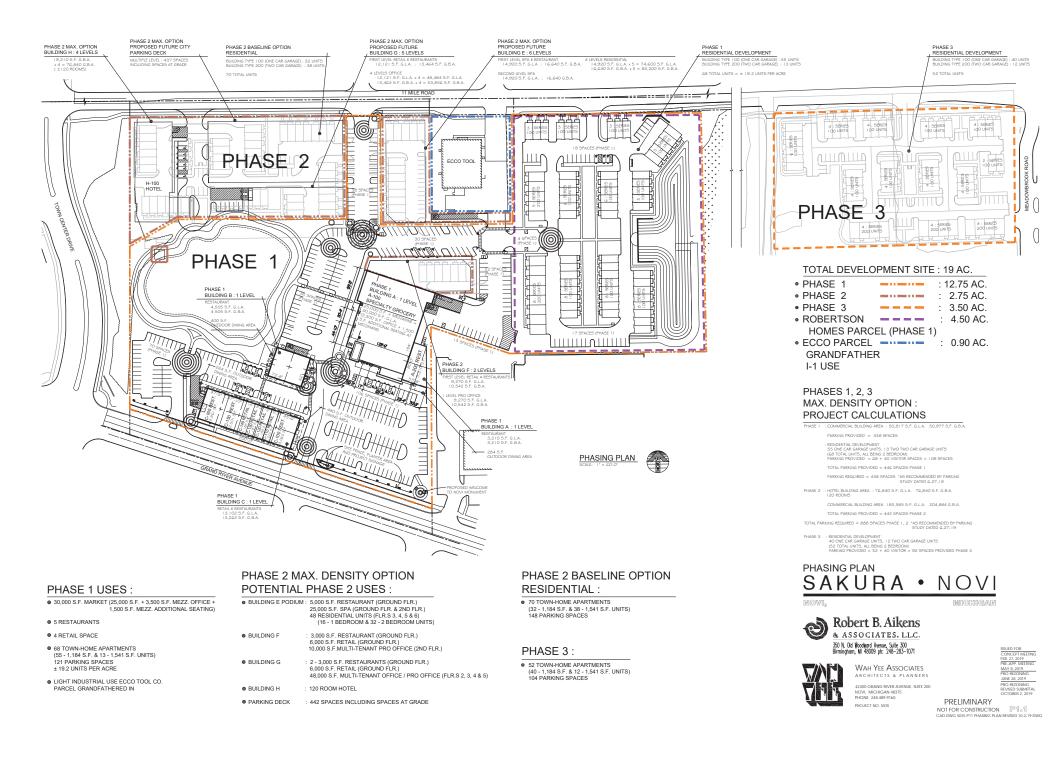








PRO CONCEPT PLAN OCTOBER 3, 2019





 5 RESTAURANTS • 4 RETAIL SPACE

- 68 TOWN-HOME APARTMENTS (55 1,184 S.F. & 13 1,541 S.F. UNITS) 121 PARKING SPACES ± 19.2 UNITS PER ACRE
- LIGHT INDUSTRIAL USE ECCO TOOL CO. PARCEL GRANDFATHERED IN

(32 - 1.184 S.F. & 38 - 1.541 S.F. UNITS) 148 PARKING SPACES

#### PHASE 3:

 52 TOWN-HOME APARTMENTS (40 - 1,184 S.F. & 12 - 1,541 S.F. UNITS) 104 PARKING SPACES

WAH YEE ASSOCIATES ARCHITECTS & FLANNERS 42400 GRAND RIVER AVENUE, SUITE 200 NOVI, MICHIGAN 48375 PHONE 248-489-9140

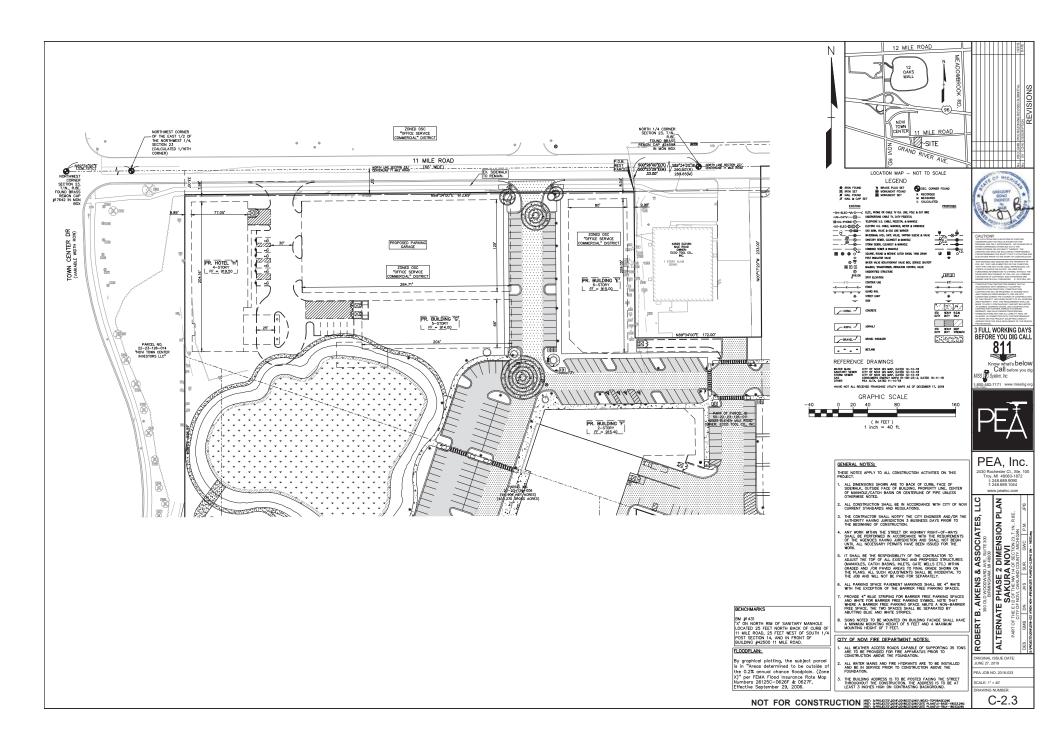
PROJECT NO. 5035

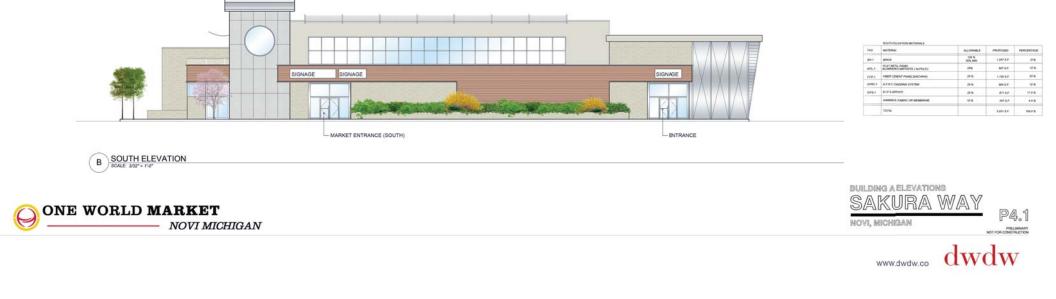
Robert B. Aikens

& ASSOCIATES, LLC.

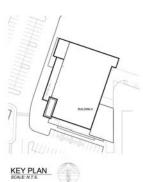
350 N. Old Woodward Avenue, Suite 300 Birmingham, MI 48009 ph; 248-283-1071

PRELIMINARY NOT FOR CONSTRUCTION











173% 33% 15% 12% 25% 3%



NOTE : 1. TOTAL FACADE = 5,456 5.F. - GLASS STOREFRONT AND DOOR AREA OF 1,354 5.F. = 4,102 5.F. 2. NO SECTION 9 FACADE WAVEFES ARE REQUIRED.

PRELIMINARY NOT FOR CONSTRUCTION P4.4

0

CONCEPT MEETING FEB. 27, 2019 PRE APP, MEETING MAY 8, 2019 PRO REZONING JUNE 28, 2019 PRO REZONING REVISED SUBAITIA SEPTEMBER 30, 20

CAD DWG 5035 COLDR P44 9-30-19.0WG



TENANT BIGNAGE AREA

(3) P4.3

ELF S.MECH





EITS CORNICE -





KEY PLAN





PROJECT NO. 5035



WAH YEE ASSOCIATES 42400 GRAND RIVER AVENUE, SUITE 200 NOVI, MICHIGAN 48375 PHONE 245.489.9160

PRE-APP, MEETING MAY 8, 2019 PRO RECONNG ANIE 20, 2019

PRELIMINARY REVISED SUBMITIAL

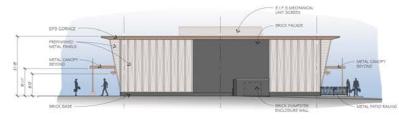
NOT FOR CONSTRUCTION P4.3

CAD DWG 5035 COLOR P43 9-30-19.DWG



MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
CAST STONE	25.%	0.5.F	0.0%
BRICK.	30 % MH.	344.5.7.	34.5%
075	25%	190 5.5.	12.5%
METAL CANOPES & SUNSCREENS	15%	50 5 F.	3.2 %
PREMIUSHED METAL PANELS (FLAT)	25%	764 5.5.	49.7 %
TOTAL		1.576 5.7.	100.0%

NDTE : 1. TOTAL FACADE ~ 1.774 5.7. - GLASS STOREFEDHT AND DODR AREA OF 195.5.7. - 1.576 5.7. 2. A SECTION 9 FACADE WAVER WILL BE REQUESTED AS REQUIRED POR FREMINGINE METAL YINGL OVERAGE OF 24.7%.



NORTH ELEVATION 4 SOLE MARY 1007 (P4.3)

MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
CAST STORE	23.%	0.5,7,	0.05
BRICK.	30 % MPL	621 5.7.	35.1 %
DFD	25.5	195.5.7.	11.25
METAL CANOPIES # SUNSCREENS	15.%	0.5,7,	0.0%
PRETHIGHED NETAL PARELS (FLAT)	25.%	250.9.7.	53.7 %
TOTAL		1.769 5.F.	100.0 %

NORTH FLEVATION MATERIALS

NDTE I I, TOTAL FACADE = 1, TGB 5, F. - GLASS STOREPRENT AND DOOR AREA OF D 5, F. = 1, TGB 5, F. 2. A SECTION 9 FACADE WAVEN WILL BE REDUESTED AS REQUIRED FOR HETMISSIPE URLAL FURLE CHERAGE OF 26, 5 %.



BRICK FACADE -

MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
CAST STONE	25 %	0.5.5.	0.0%
DRICK.	50 % MN.	41057	30,0 %
ELPS CORNICE & FACADE	25 %	2105.5	15.1.5
METAL CANONES & SUNSCREENS	15.%	05.57.	6.1%
PREFINISHED METAL PARELS (FLAT)	25 %	600 5.7.	48.85
TOTAL		1.393 5.P.	100.0%

NDTE - I. TOTAL FACADE = I. GGA 5.F. - GLASS STOREPRONT AND DODK AREA OF 271 - 57. - I. 335 5.F. 2. A SECTION 9 FACADE WAVER WILL BE REQUESTED AS REQUIRED POR PREPRIETING WETAL FINIEL OVERAGE OF 23.D %.



#### REAR ELEVATION

MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	1,042 SF	406
SIDING	0%	489 SF	24%
SHINGLES	25%	414 SF	23%
TRIM	15%	252 SF	10%
TOTAL		2.417 SF	100%

1	1		
			SPHALT SHINGLES HO
			PAGOA U/ LURI DRAP O PREZE U/ LURI DRAP
			ORE VINTS BONG
			1 TRM B/ ALLM, BRAP
			CLOBH NRCK
			NCK

#### REAR ELEVATION 6 UNIT BUILDING

MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	431 SF	53%
SIDING	0%	490 SF	41%
SHINGLES	25%	O SP	0%
TRIM	15%	48 SF	4%
TOTAL		U89 5F	100%



LEFT SIDE ELEVATION

RIGHT SIDE ELEVATION

SCALE: 1/8" × 1'-0"

BRIMMEEPER.COM 2.4.8, 2.5.9, 1.7.8

BRIAN NEEP

6 UNIT BUILDING

ROBERTSON HOMES SAKURA NOVI TOWNHOME UNITS - "IOO SERIES" NOVI, MICHIGAN

9-27-19

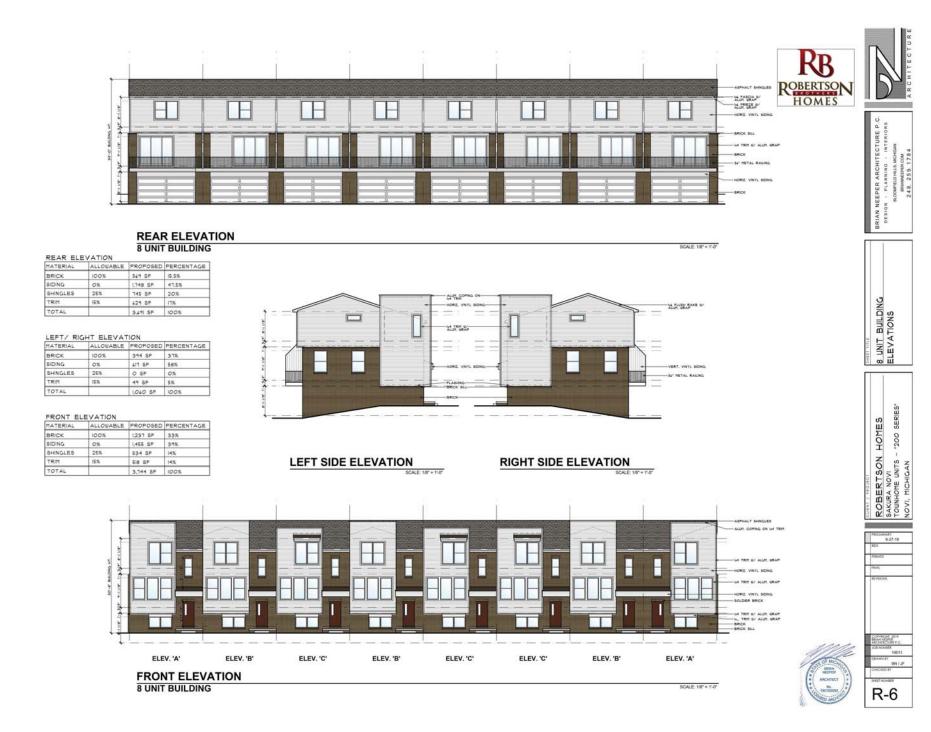
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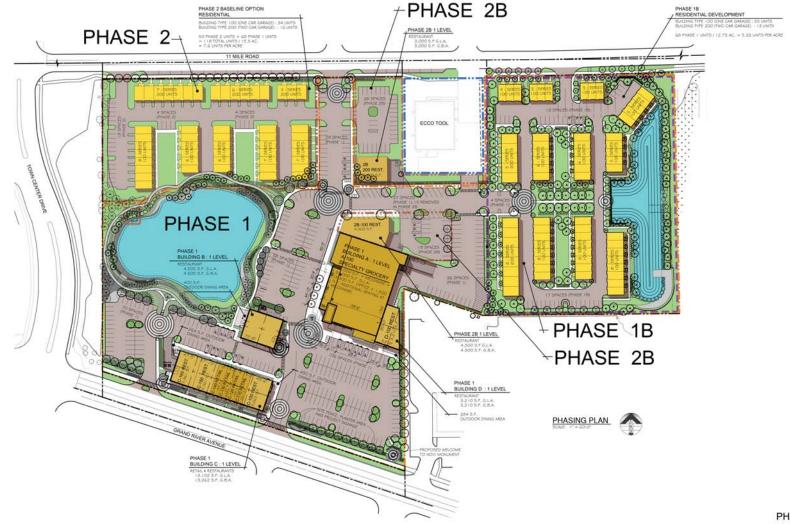
R-3



FRONT ELEVATION ALLOWABLE PROPOSED PERCENTAGE MATERIAL 1,018 SF 38.5% BRICK 100% SIDING 0% 422 SF 23.5% SHINGLES 25% 449 SF 17% TRIM 15% 551 SF 206 TOTAL 2,440 SF 100%



PRO CONCEPT PLAN REVISED: DECEMBER 4, 2019



#### PHASE 1 & 1B USES :

30,000 S.F. MARKET (25,000 S.F. + 3,500 S.F. MEZZ. OFFICE + 1,500 S.F. MEZZ. ADDITIONAL SEATING)

- 5 RESTAURANTS
- 4 RETAIL SPACES
- 68 TOWN-HOME APARTMENTS (55 1,184 S.F. & 13 1,541 S.F. UNITS) 121 PARKING SPACES

68 PHASE 1 UNITS / 12.75 AC. = 5.33 UNITS PER ACRE

. LIGHT INDUSTRIAL USE ECCO TOOL CO. PARCEL GRANDFATHERED IN

#### PHASE 2 & 2B BASELINE OPTION :

2 RESTAURANTS

- 50 TOWN-HOME RESIDENTIAL UNITS (34 1,184 S.F. & 16 1,541 S.F. UNITS) 92 PARKING SPACES
- 50 PHASE 2 UNITS + 68 PHASE 1B UNITS = 118 TOTAL UNITS / 15.5 AC. = 7.6 UNITS PER ACRE

#### TOTAL DEVELOPMENT SITE : ± 15.5 AC. PHASE 1 & 1B -----: 12.75 AC. PHASE 2 & 2B -----: 2.75 AC. RESIDENTIAL ----DISTRICT (PHASE 1B) : 4.50 AC. ECCO PARCEL : 0.90 AC. GRANDFATHER I-1 USE

#### PHASES 1 & 2 **BASELINE OPTION: PROJECT CALCULATIONS**

THASE I & IB - COMMERCIAL BUILDING AREA - 50,817 S.F. G.L.A. SO.977 S.F. G.B.A. PARKING PROVIDED = 330 SPACES

RESIDENTIAL DEVELOPMENT 55 DIE CAR GARAGE UNITS 13 TWO TWO CAR GARAGE UNITS (GA TOTAL UNITS, ALL BEING 2 BEDRICOM) PARKING PROVIDED = 68 + 40 VISITOR SPACES = 108 SPACES TOTAL PARKING PROVIDED - 458 SPACES PHASE 1 + 18

PARKING REQUIRED = 436 SPACES "AS RECOMMENDED BY PARKING STUDY DATED 6-27-19

PHASE 2 4 28 RESIDENTIAL DEVELOPMENT S4 ONE CAR GARAGE UNITS, 16 TWO CAR GARAGE UNITS (50 TOTAL UNITS, ALL BRIDG 2 REDROCM) PARKING PROVIDED = 66 + 26 VISITOR SPACES = 92 SPACES TOTAL PARKING PROVIDED PHASES 1 # 2 = 438 + 135 = 577 SPACES

#### PHASING EXHIBIT C : PHASE 1 + 2 BASELINE OPTION







42400 GRAND RIVER AVENUE, SUITE 200 NOVI, MICHIGAN 48375 PHONE 24E489.9140 PROJECT NO. 5035

PRELIMINARY NOT FOR CONSTRUCTION P1+1 CAD DWG C. PHASE 1 - 2 IS LEXHIBIT 12 + 19 LANC

CTOBER 2, 201

FUELIC HEARIN





PLANNING REVIEW



# PLAN REVIEW CENTER REPORT

November 4, 1019

Planning Review

Sakura Way PRO JZ 19-31 with Rezoning 18.732

PETITIONER Sakura Novi, LLC

# **REVIEW TYPE**

Revised: Rezoning Request from OSC (Office Service Commercial), OS-1 (Office Service), and I-1 (Light Industrial) to TC-1 (Town Center - 1) with a Planned Rezoning Overlay (PRO)

# PROPERTY CHARACTERISTICS

Section	23			
Site Location	Parcel Ids: 22-23-126-006, 22-23-126-011, 22-23-226-007, 22-23-226-008, 22- 23-226-021, 22-23-226-022 North of Grand River Avenue and south of Eleven Mile Road, east of Town			
Site School	Novi Co	mmunity School District		
Current Site Zoning		OSC (Office Service Commercial), OS-1 (Office Service), and I-1 (Light Industrial)		
Proposed Site	TC-1: Tov	vn Center - 1		
Adjoining Zoning	North OSC: Office Service Commercial and I-1: Light Industrial			
	East B-3: General Business and I-1: Light Industrial			
	West TC: Town Center			
	South TC-1: Town Center - 1			
Current Site Use	Vacant; Temporary City Vehicle Storage; Tool & Die shop			
	North Novi Oaks Hotels			
	East	Retail/Restaurants		
Adjoining Uses	West	Industrial Office		
	South	Industrial Office		
Site Size	15.59 Ac	res		
Plan Date	October	2, 2019		

# **PROJECT SUMMARY**

The applicant is proposing to develop the property as an Asian-themed mixed-use development with access points off of Grand River Avenue and Eleven Mile Road. The first phase of the development proposes a Japanese grocery and food hall concept as the central tenant and anchor. Two additional buildings would contain additional Asian restaurants and retail spaces. Sixty-eight multifamily residential rental units in attached townhome buildings would be located on the eastern portion of the site with access to Eleven Mile Road. For clarity, we refer throughout our review to the commercial portion as Phase 1A and the residential portion as Phase 1B. The existing pond on the west side of the site would serve as a focal point and public gathering space, to be enhanced with Japanese gardens and a walkway around the perimeter.

The revised PRO Concept Plan and narrative presents two options for possible development in Phase 2 of the project and states that what gets built will be "fully dependent on market forces." In

the "Baseline" scenario, the Phase 2 land area would be developed with 70 townhome units matching the form and style of those proposed for Phase 1B. The Phase 2 "Maximum Density Option" would contain 4 additional buildings, ranging in height from 2 stories to 6 stories, and uses ranging from hotel or senior living, office, retail, restaurant, personal service, and mid-rise residential, among other potential uses. This option also envisions a parking garage to accommodate the parking requirements, although the developer does not commit to building or funding the parking garage themselves. In several places it is referred to as the "City parking structure."

The revised submittal also adds a Phase 3 to the PRO Concept Plan, which would be located on a 3.5-acre non-contiguous parcel to the east along Eleven Mile Road. The plans show Phase 3 to be developed with 52 townhome units matching the form and style of those proposed for Phase 1B.

The table below lists the prospective uses for each building based on the information provided by the applicant.

Building/Area	Size (GLA)	Proposed Height	Proposed Use Category
Phase 1A			
Building A	33,210 sf		Retail, restaurant
Building B	4,505 sf	1 story	Restaurant
Building C	13,102 sf	1 story	Restaurant, retail
Phase 1B			
Attached townhomes	68 two-bedroom units	30 ft 8 in (3 story)	Multifamily residential units
Phase 2 "Baseline"			
Attached townhomes	70 two-bedroom units	30 ft 8 in (3 story)	Multifamily residential units
Phase 2 "Max Density"			
Building E	89,520 sf	6 stories	Restaurant + Spa (2 floors) Residential (32 2-bed units, 16 1- bed units) (Floors 3-6)
Building F	18,540 sf	2 stories	Retail, restaurant, office
Building G	60,605 sf	5 stories	Retail, restaurant, office
Building H	76,840 sf	4 stories	Hotel
Phase 3			
Attached townhomes	52 two-bedroom units	30 ft 8 in (3 story)	Multifamily residential units

# **PROJECT REVIEW HISTORY**

The applicant submitted for a Pre-Application Meeting, which was held on May 8, 2019. Staff indicated that the proposed rezoning would require additional details for the PRO Concept Plan submittal and identified deviations from the ordinance requirements based on the plans provided.

The applicant submitted their PRO Concept Plan on July 1, 2019. Staff reviewed the plans and provided comments on July 29. Several of the reviews were not recommending approval of the PRO Concept Plan. There were a number of items that needed to be clarified and further information was requested for review. Staff met with the applicant on July 25 to discuss the

comments and concerns. It was agreed that further revisions would be required before the PRO Concept Plan could be presented to the Master Planning & Zoning Committee and the Planning Commission.

On October 3, the applicant submitted revised plans to respond to the previous round of comments. In addition to presenting two possible development scenarios for Phase 2 of the project, the plans also add a Phase 3 component involving two parcels that are not contiguous to the main project area.

It has come to our attention that the purchase agreement and the amendments to that agreement with the City of Novi specify which parcels are permitted to be included in the PRO Agreement with the City. Therefore it appears the Phase 3 parcels have not been authorized to be part of this process at this time, and further amendment of the purchase agreement would be required to do so. Although the reviewers have addressed the Phase 3 component in their comments, the lack of specific details for this area has limited the ability to provide a full evaluation. We have only received one notarized authorization of the two current property owners that gives permission to rezone the property.

### PRO OPTION

The PRO option creates a "floating district" with a conceptual plan attached to the rezoning of a parcel. As part of the PRO, the underlying zoning is proposed to be changed (in this case from OSC, OS-1, and I-1 to TC-1) and the applicant enters into a PRO agreement with the City, whereby the applicant submits a conceptual plan for development of the site. The City Council reviews the Concept Plan, and if the plan may be acceptable, it directs for preparation of an agreement between the City and the applicant, which also requires City Council approval. Following final approval of the PRO concept plan and PRO agreement, the applicant will submit for Preliminary and Final Site Plan approval under standard site plan review procedures. The PRO runs with the land, so future owners, successors, or assignees are bound by the terms of the agreement, absent modification by the City of Novi. If the development has not begun within two (2) years, the rezoning and PRO concept plan expires and the agreement becomes void.

### RECOMMENDATION

The proposed rezoning category requested by the applicant is not supported by the Future Land Use Map, which indicates TC Gateway. The Master Plan text recommends rezoning the property to TC Town Center. The Master Planning & Zoning Committee reviews proposals that are not supported by the Master Plan to give informal guidance. This will give the applicant additional feedback to consider before presenting the plans to the Planning Commission for public hearing. Staff is able to recommend approval for Phase 1 at this time, albeit with some significant remaining items to be addressed before the PRO Agreement is finalized. However, there is still insufficient detail and ambiguity about Phase 2, which precludes staff recommendation for the full project at this point. Staff feels the Maximum Density Scenario of Phase 2 is preferable to the Baseline Scenario, as it better reflects the Town Center Study and Master Plan vision for this area, but as it now stands the layout and definition of the deviations required still require much work. The same can be said about the overall benefits to the public from this project, many of which—as identified by the applicant—would seem to flow from any redevelopment in the area.

At this point, then, the project seems positive as to Phase 1, provided the applicant can reduce or better justify the list of deviations, and further provided that the applicant can refine/expand the benefits and conditions to be attached to the project such that project can meet the requirement that the conditions are more restrictive than might otherwise apply to a development under the existing or proposed zoning classification and the plan provides a significant enhancement to the area that could not otherwise be required of a developer. The lack of definition as to what might really happen in Phase 2 makes that an even harder discussion for that phase, particularly for the "Baseline" scenario of simply all multifamily residential on Phase 2.

Staff does not support the inclusion of Phase 3 in this rezoning request due to the fact that it is not contiguous to the rest of the project and is not included in the Purchase Agreement with the City. Furthermore, the TC-1 District and the residential use proposed does not appear to be appropriate on the small parcel surrounded by Light Industrial zoning.

# COMMENTS

It is staff's opinion that the proposed rezoning district of TC-1, Town Center-1 may be a reasonable alternative for the Phase 1 & 2 properties, and is largely supported by the recommendations in the Master Plan and the Town Center Study. The project represents an exciting opportunity to highlight the cultural diversity of Novi and add a vibrant destination in the Town Center area. The integration of residential uses will provide an attractive living option for residents interested in a walkable community context, including millennials and older adults. However, Phase 2 of the Concept plan lacks critical details and there is too much conflicting information for Planning Staff to be able to support the request without further refinement of the plans. Some of the concerns are as follows:

- 1. At the time of the pre-application meeting, staff asked the applicant to provide proposed parcel lines on the plans in order to fully evaluate deviations that will be required. The revised PRO Concept Plan submittal now shows a future lot line for the residential portion. However, it is unclear whether the Phase 2 area has separate parcel lines, which makes it impossible to determine building and parking setbacks. The applicant should confirm whether this is the intent, as creating parcels in the future will be problematic if setbacks and other ordinance requirements would not be met. If parcel lines will be created, they must be shown and clearly labeled on the plans. In addition, all building and parking setbacks shall be dimensioned clearly.
- 2. The project narrative submitted indicates that the Ecco Tool property would be included in the rezoning to TC-1, and would remain as a non-conforming use. The Ecco Tool property owner has provided a notarized letter indicating they consent to the rezoning, and must be a signatory to the PRO Agreement as they will be subject to its terms and conditions under a PRO approval to TC-1. If rezoned to TC-1, the existing tool & die shop would be subject to the Zoning Ordinance conditions for non-conforming uses in Section 7.1, which permits such uses to "continue until they are removed but not to encourage their survival." This would prohibit the use from being enlarged or increased, "nor extended to occupy a greater area of land."
- 3. The applicant has submitted a Rezoning Sign Location Plan, as required for rezoning, however revisions are needed to the sign locations. The sign indicated on parcel 22-23-226-042 shall be removed. This is a City-owned parcel that is not included in the PRO submittal. Signs are not required on each parcel, only each frontage. Contiguous parcels of the same zoning may share one sign.
- 4. The revised PRO Concept plan includes two possible development scenarios for Phase 2 uses: a "Baseline" option with 70 townhome units, and a "Maximum Density" option with a mix of hotel, office, retail, restaurant, and residential uses. Each scenario will require a different set of deviations and could result in very different public benefits and conditions offered for Phase 2.
- 5. The City's Future Land Use map indicates Town Center Gateway, which allows most of the uses proposed such as office, retail and restaurant. The GE district allows additional uses, like multifamily residential, under a Special Development Option process. The 2016 Master Plan Update identified the Anglin Property as one of three sites within the city where redevelopment is desired. The uses recommended by the Master Plan include multi-family and townhome residential, limited commercial uses, and office uses along Grand River. The plan recommends the property be rezoned to TC Town Center. The plan notes that "It may be necessary to amend the TC district to fully incorporate creative attached residential alternatives and ensure that reduced setback recommendations are reflected in the district standards." The Master Plan does not envision the parcels would be developed under the

existing zoning categories. Because the applicant's requested zoning category, TC-1, is not consistent with the Master Plans' recommendation, the applicant would benefit from presenting the project to the Master Plan and Zoning Committee of the Planning Commission to receive further comment.

The proposed uses and the rezoning category could therefore be acceptable alternative to the current zoning, <u>but the proposed Concept Plan does not conform to multiple requirements of the Ordinance.</u> Staff believes that the applicant should take the opportunity to modify the plan to meet the intent of TC-1 district and note the following for applicant's consideration:

- 1. TOWN CENTER AREA STUDY & MASTER PLAN: The property's proximity to the surrounding retail, restaurants and hotels could make the proposed rezoning category appropriate and integrate the site into the vision described in the Town Center Study and Master Plan. The applicant should be able to refine the site layout to reduce the number of deviations requested. Town Center area study offers the following recommendations for the Anglin Area:
  - a. Serve as the eastern "gateway" into the Grand River/Novi Road Business and Main Street Areas.
  - b. A wide variety of permitted uses and pedestrian-oriented form will activate the area and provide a logical entranceway.
  - c. Preferred land uses include retail, professional offices, research & technology uses.
  - d. Other land uses to be considered: personal service establishments, municipal services, and restaurants.
  - e. Future development should utilize the existing pond as a site amenity.
  - f. Buildings along Grand River should be pedestrian oriented with reduced front setbacks. Pedestrian paths should connect to the Town Center, Grand-River/ Novi Road Business, Hotel/Office and Main Street Areas. The pond and wetland area should be used as a focal point for the new commercial or office space. This green space could also be used to host community events, and the pond used as an outdoor ice rink.
  - g. Create stronger, meaningful associations between businesses and Grand River, such as restaurant patios, new construction sited at lot line, or amenities carefully placed. Create opportunities for pedestrians to pause as they cross Grand River by shortening the distance they have to walk. Use pedestrian refuge islands in the center or bump-outs at the sides.
- 2. DESIGN AND LAYOUT CONCERNS: The current layout appears to offer a walkable development with a unique mix of uses and could create a vibrant destination in the Town Center area of Novi. However, the applicant must consider:
  - a. The City's emergency apparatus must be able to fully access the entire site, as well as delivery vehicles accessing the loading areas. Provide a plan showing truck turning movements are possible throughout the site (including all loading/service areas, and 50' outside, 30' inside turning radius in the residential portion). Removal of some units may be necessary to provide the required dimensions in the interest of public safety. The Fire Review continues to indicate issues with turning radii in the residential portion of Phase 1B. These issues are not considered eligible for deviations as they are health and safety concerns. Widening the drive lanes to the appropriate ordinance standards could help resolve this problem. (*Phase 1B*)
  - b. If the Ecco Tool property will continue to operate indefinitely as a non-conforming use, the residential units adjacent to the site must have appropriate protections from any negative impacts. Provide a noise impact study at the time of Preliminary Site Plan to determine if ordinance performance standards will be exceeded. Provide any necessary mitigation measures if required. (Phase 1B)

- c. The location of loading/unloading areas for buildings G and H will interfere with traffic entering the site (Bldg H) or adjacent parking spaces (Bldg G). <u>(Phase 2 Max. Development Scenario</u>)
- d. Redesign of the Phase 2 Maximum Density Scenario layout should be explored. The proposed parking garage seems to create a barrier in the middle of the site, pinning Building H into a corner and limiting the options for the driveway and loading areas. The garage also blocks views into the site from 11 Mile Road. The applicant could consider wrapping the parking garage with other buildings to provide better integration of the site. (*Phase 2 Max. Development Scenario*)
- e. The vinyl siding proposed for residential townhouse buildings is not a material permitted by the Façade Ordinance. The applicant must revise the material to Cement Fiber siding in order to gain support for the Section 9 façade waiver required by the overage of siding material on the residential buildings. See Façade letter for more details. (*Phase 1B, Phase 2 Baseline, and Phase 3*)
- f. The Phase 2 Baseline scenario would create a much more heavily residential project, with a limited amount of restaurant and retail in Phase 1A. This balance of uses may discourage some users from visiting the site if it is perceived as a neighborhood gathering spot rather than a vibrant cultural destination that is large enough to support a regional draw. (*Phase 2 Baseline*)
- 3. INTENT OF THE TC-1 DISTRICT: As stated in Sec. 3.1.26.A., 'The TC-1, Town Center district is designed and intended to promote the development of a pedestrian accessible, commercial service district in which a variety of retail, commercial, office, civic and residential uses are permitted'. The proposed uses (with the exception of Ecco Tool) are all principal permitted uses which align with the intent of TC-1, Town Center-1 district. However the balance of uses developed will impact whether the area is seen as a mixed-use commercial service district with a residential component, or a residential neighborhood with a restaurant and retail component.
- 4. OFF-STREET PARKING LOTS FOR SEPARATE USES: 'The TC-1 Town Center district is further designed and intended to discourage the development of separate off-street parking facilities for each individual use, and to encourage the development of off-street parking facilities designed to accommodate the needs of several individual uses'. The proposed concept plan depicts the parking lots shared among the uses throughout the site, and the applicant has provided a shared parking study. Staff supports the opportunity to reduce parking through a shared parking arrangement, supported by the shared parking study. This strategy allows additional space for public gathering or usable open space, and to reduce deviations.
- 5. **PUBLIC BENEFITS:** The list of public benefits provided by the applicant is reviewed in detail later in this review. Several of the benefits listed are requirements under the Zoning Ordinance, and would be expected with any development in the city, or could be achieved through a traditional rezoning process. Others require additional information in order to be evaluated. The applicant should continue to refine the list of benefits. Off-site benefits can also be considered. The Town Center Study and Grand River Corridor study in the 2016 Master Plan may have additional ideas for the applicant to consider, such as providing an enhanced pedestrian crossing of Grand River.
- 6. **DEVIATIONS:** Five of the original deviations requested have been removed due to modifications of the plans. The applicant has provided a list of 23 remaining deviations with some additional details, as well as justifications. The applicant is asked to continue to revise the list based on staff's comments provided in this letter. Some of the deviations require more specific details about the deviation requested. Without those specifics, staff cannot endorse open-ended deviations—for example, some of the sign-ordinance related

requirements and no open space requirement for Phase 2. Limits must be placed on the extent of the deviations for the Planning Commission and City Council to have a clear understanding of the difference between the proposal and the ordinance standards.

7. FUTURE SITE PLAN REVIEWS: The proposed development is an ambitious project that will require a carefully laid out implementation plan. Until all construction is completed, the impacts of construction traffic to the surrounding areas/businesses are hard to contemplate. The narrative from the applicant indicates a tentative Grand Opening of Phase 1 approximately 2 years from purchase of the property. The applicant should consider adding a tentative completion date for each phase as a condition for the PRO agreement.

Since the development will be tied to PRO plan, when Phase 2 and Phase 3 site plans are submitted for review, they are expected to conform to the code requirements for all items that are not regulated by the approved deviations and conditions within the PRO Agreement. For these reasons, it is vital for staff to have a clear understanding of what is being proposed at this time in order to provide clarity for future reviews. The applicant should provide the intent to address possible or anticipated future deviations if they are not requested at this time.

### COMPARISON OF ZONING DISTRICTS

The following table provides a comparison of the current (OS-1 and OSC) and proposed (TC-1) zoning classifications.

	OS-1,OSC and I-1 Zoning	TC-1
	(Existing)	(Proposed)
Intent	The OS-1 district is intended for community office uses. The OSC District is intended for large office buildings or office complexes with related commercial retail and service establishments. The I-1 Distirct is intended for research, office and light industrial uses while protecting residential districts from adverse impacts.	
Principal Permitted Uses	See attached copy of Section 3.1.21.B for OS-1 uses, Section 3.1.22.B for OSC uses, and 3.1.18.B for I-1 uses Professional and medical offices and personal service establishments are allowed in OS-1 and OSC districts. OSC district also permits hotels Tool & Die shop permitted use in I-1 District	See attached copy of Section 3.1.26.B All of the proposed uses are permitted except the existing tool & die shop that will remain.
Special Land Uses	See attached copy of Section 3.1.21.C for OS-1 uses, Section 3.1.22.C for OSC uses, and 3.1.18.C for I-1 uses OSC permits retail commercial and sit- down restaurants as part of an office complex with Special Land Use approval	See attached copy of Section 3.1.26.C
Minimum Lot Size		
Maximum Lot Coverage	Section 3.6.2.D determined by lot layout	Sec. 3.6.2.D determined by lot layout
Building Height	OS-1: 30 feet OSC: 65 ft or 5 stories I-1: 40 feet	65 feet or 5 stories whichever is less** (exception in Section 3.27.2.A)

	OS-1,OSC and I-1 Zoning (Existing)	TC-1 (Proposed)
Building Setbacks	OS-1: 20 ft. front and rear, 15 ft side OSC: 35 ft from all sides I-1: 40 ft front, 20 ft side and rear	Sec. 3.27.1.C Depends on type of road frontage; Grand River is an arterial while 11 Mill is classified a non-residential collector; GRA: Front: 80-137 ft from centerline; Side and rear: 50 feet 11 Mile: Front: 0 ft. minimum; 10 feet maximum Side and rear: 0 feet minimum; no maximum
Usable Open Space	Not Applicable	200 sq. ft. Minimum usable open space per dwelling unit 15% gross open space
Minimum Square Footage	Not Applicable	Not Applicable

# COMPATIBILITY WITH SURROUNDING LAND USE

The following table summarizes the zoning and land use status for the subject property and surrounding properties for the Phase 1 and 2 portion of the project. <u>As it is not contiguous, Phase 3 is covered in the subsequent section.</u> The compatibility of the proposed rezoning with the zoning and uses on the adjacent properties should be considered by the Planning Commission in making the recommendation to City Council on the rezoning request.

### PHASES 1 & 2

	Existing Zoning	Existing Land Use	Master Plan Land Use Designation
Subject Property	Current: OS-1, OSC, and I-1	Vacant/Former car wash/Tool & Die shop	Town Center Gateway (uses consistent with Gateway East Zoning District)
Western Parcels	TC Town Center	Retail/Restaurants	TC Commercial (uses consistent with TC Zoning District)
Eastern Parcels	I-1 Light Industrial and B-3 General Business	11 Mile frontage: Vacant/Wetland GR frontage: Retail Auto parts	Town Center Gateway (uses consistent with Gateway East Zoning District)
Northern Parcels	OSC and I-1	Hotels, Day Care Center, Office building	Office Commercial (uses consistent with OSC Zoning District)
Southern Parcels	TC-1	Main Street retail and restaurants	TC Commercial (uses consistent with TC and TC-1 Zoning Districts)

#### JZ 19-31 Sakura Way with Rezoning 18.732

Revised PRO Concept Plan: Planning Review



Zoning

Future Land Use

The subject property for Phases 1 and 2 of the proposed project has frontage along both Grand River Avenue and Eleven Mile Road. The site location provides good connectivity to adjoining properties to north, west and south.

Novi Town Center, located to the **west and northwest**, is a well-established retail center with Walmart as the biggest retail store. There are many restaurants within the center, both sit-down and fast causal, as well.

To the **north** are older two hotel/extended stay properties, as well as a new hotel and child care center developed recently. North of the residential portion of the project is a vacant parcel zoned I-1. This parcel could be developed with uses that could have a negative impact on residential uses. The I-1 district does restrict the uses permitted when there are residential uses adjacent, which would be examined in the site plan approval process if development is proposed at that location. Just east of the residential portion is Lee BeGole drive, which provides access to the City's Department of Public Works facilities, including the maintenance vehicle fleet that is stored there. The existing heavy vehicle traffic could present an undesirable impact if the proposed residential units are built nearby.



Existing Land Use in the Vicinity

**South** of the residential portion is an area zoned B-3 developed with an auto parts store and office uses. The parking lots of one of the office buildings will be very close to the property line.

**Existing land use patterns indicate a concentration of retail and restaurants to the northwest, west and south, with some residential to** the south of Grand River Avenue. North of the property are several hotels and office buildings, as well as a recently developed child care center. **The subject property is an ideal candidate for redevelopment.** It is currently zoned as OS-1 (Office Service), OSC (Office Service Commercial), and I-1 (Light Industrial). The Anglin property formerly was the site of a car wash and a garden center until about 2012, and was purchased by the City in 2016. There are a few small buildings on the property along Grand River – one has recently been occupied by the City's maintenance division while their facility on Lee BeGole Drive was under renovation.

It is evident that the proposed Phase 2 Max Density Scenario that includes taller buildings up to 6 stories with unique uses and architectural styles is going to change the existing streetscape dramatically along this portion of Grand River and Eleven Mile Road. The taller buildings proposed would be closer to 11 Mile, with those along Grand River proposed as 1- to 2-story structures. Other buildings in this area range in height from approximately 2-5 stories in height. The applicant is proposing a unified landscape and hardscape design throughout the site to tie the development together.

	Existing Zoning	Existing Land Use	Master Plan Land Use Designation
Subject Property	I-1 Light Industrial	Vacant	Town Center Gateway (uses consistent with Gateway East Zoning District)
Western Parcels	I-1 Light Industrial	Vacant - City- owned property, contains wetland	Town Center Gateway + Planned N/S road extension to connect Grand River to Lee BeGole Drive
Eastern Parcels	I-1 Light Industrial	Office; Vacant office pad site	Light Industrial
Northern Parcels	I-1 Light Industrial	Partially vacant, City Department of Public Works	Public Facilities (City facilities)
Southern Parcels	I-1 Light Industrial	Cell tower site	Town Center Gateway (uses consistent with Gateway East Zoning District)

PHASE 3

The subject property for <u>Phase 3 of the proposed project has frontage along Eleven Mile Road</u>.

To the **north** is a large City-owned parcel, zoned I-1, which contains the recently renovated Department of Public Works building and Gun Range. The city's maintenance vehicle fleet is stored there.

To the **west** of Phase 3 is an area zoned I-1 Light Industrial separating the site from the larger Sakura Novi site of Phase 1 and 2. The City-owned parcel is currently vacant and contains a large area of wetland. The Master Plan indicates a future north-south road connection is planned to be developed to connect Lee BeGole Drive to Grand River Avenue in this area. If the planned roadway is constructed the maintenance vehicle traffic could present an undesirable impact on the proposed residential units in Phase 3.

**South** of Phase 3 is an area zoned I-1 Light Industrial which is largely vacant except for a cell tower. The health impacts of living near a cell tower may be a concern to some residents, which may

impact the desirability of these units. (The American Cancer Society website indicates it is unlikely that living near such towers would increase cancer risk. The International Agency for Research on Cancer, the National Toxicology Program, and the US Environmental Protection Agency (EPA) have not classified cell phone towers specifically as to their cancer-causing potential.)

To the **east** of Phase 3 is an area zoned I-1 Light Industrial. There is an office complex there with two existing buildings, with a third building approved to be constructed. There is no firm timeline on when that building would be constructed. This area is planned to remain Light Industrial use in the City's Master Plan. If residential uses are located adjacent to the property, the uses permitted in the I-1 district would be severely restricted compared to the list of uses that could otherwise be permitted. In addition, there is no berm separating the properties, as is required when non-residential uses are adjacent to residential uses. It would be the applicant's responsibility to provide the required berm and screening on the parcel to be developed with residential uses. No such berm is currently proposed

The proposed residential use in the Phase 3 area would be surrounded on all sides by industrially zoned properties. There is no obvious connection to the larger Sakura Novi development, except for the sidewalk along 11 Mile Road and identical townhouse product type to be developed. The lack of contiguity to the rest of the project may present a legal issue (is that permitted?) as well as a conceptual one. In addition, locating residential uses here would constrain the future development of each of the parcels surrounding it. Additionally, existing uses in the area may present undesirable conditions for new residents of the development, potentially creating a situation of incompatible land uses. The applicant has also not provided enough detail to adequately review the proposed plans for the area, including showing the necessary buffers from industrially zoned properties, landscaping plans, wetland and woodland impacts, grading, utility and stormwater management details. The public benefit to including this additional property also requires further definition by the applicant/developer.



Existing Zoning

Future Land Use

### DEVELOPMENT POTENTIAL: ALL THREE PHASES

For the western portion of the project, the current zoning of OS-1 and OSC (9.9 acres) both allow professional and medical offices, personal service establishments, and off street parking lots as permitted uses. OSC also permits hotels, as well as retail and restaurant uses as Special Land Uses. On the parcels zoned I-1, professional and medical office buildings are also permitted, as are research and development, manufacturing, pet boarding, veterinary clinics when not adjacent to residential uses. In total, the Phase 1 & 2 site measures over 15 acres (excluding the Right of Way), of which approximately 2 acres are covered by regulated wetlands. This leaves about 13 acres of contiguous land for development. The redevelopment potential for the site using the current zoning is entirely possible, given the flexibility that the current zoning districts afford. However that potential has not been pursued seriously by any developer in recent years. In addition, the Master Plan indicates a broader vision for the future development of the area, and recommends a mix of residential, commercial, and office uses which is not achievable under the current zoning district.

The Phase 3 site measures approximately 3.5 acres, with a small area of wetland in the southwest corner. The development potential for this site is likewise entirely possible under the I-1 zoning district. Since there are no adjacent residential uses present, the site would not be restricted in uses permitted in the I-1 district.

The Future Land Use map recommends Town Center Gateway (Gateway East GE) uses of the site. The GE District allows most of the uses such as professional offices, sit-down restaurants and retail and retail service uses as permitted uses. The GE district allows additional uses, like multifamily residential, under a Special Development Option process.

Although significant opportunities exist to develop the property both as zoned (Office uses primarily and Light Industrial) and as master planned (TC or Gateway East uses), it is staff's opinion that the proposed rezoning to Town Center-1 district is a reasonable alternative and fulfills the intent of the Master Plan recommendation for the Phase 1 and 2 uses proposed, subject to finalizing a Concept plan and PRO Agreement that confirm the benefits to the public required by the zoning ordinance.

For Phase 3, the rezoning to TC-1 is more difficult to justify since it will be surrounded on all sides by I-1 Light Industrial zoning and not connected in a meaningful way to the mixed use district of the larger Sakura Way. In essence this portion could be considered spot zoning as it is not consistent with the Master Plan, would result in incompatible land uses, and would also create hardships on future development of the surrounding parcels by limiting the by-right uses that could be developed. The intent of the TC-1 district does not match what is being proposed for this small area. Further, it is staff's understanding that the Purchase Agreement made no mention of adding this property to the proposed PRO Concept Plan and Agreement. Finally, the lack of contiguity with the other parcels may present an issue under the state zoning laws.

#### **REVIEW CONCERNS**

**ENGINEERING:** The requested rezoning to Town Center-1 will result in utility demands that are approximately equal to the utility demand if the property were to be redeveloped under the current OS-1, OSC zoning and I-1 zoning. The Concept Plans for Phases 1 and 2 meet the general requirements of the City's design and construction standards, Storm Water Management ordinance, and Engineering Design Manual. Additional details will be needed in the site plan approval process. No storm water management information has been provided for Phase 3, and those plans do not meet the general requirements. Please refer to Engineering review letter for more details.

**LANDSCAPING:** The Landscape review has identified significant deviations from ordinance standards. For Phase 1, 9 deviations are required, only 3 of which are supported by staff. For Phase 2, from the information provided it appears two deviations are required, however detailed design and layout may reveal additional waivers may be needed. There was no landscaping plan

provided for Phase 3, so it is assumed that the plans will meet all landscape requirements, or the PRO Agreement would be amended at that time. **Please refer to Landscape review letter for more details.** 

**TRAFFIC:** Based on the initial results of a Traffic Study submitted by the applicant, the development will increase traffic on Grand River by 15%. The City's consultants, in a 2018 traffic study of the area, identified two improvements that would be needed to maintain acceptable levels of service in the vicinity of this project: 1) widening Grand River Avenue to 5 lanes between Meadowbrook Road and Novi Road, and 2) Installing a right-turn overlap phasing for northbound Main Street and southbound Town Center Drive approaches at their intersection of Grand River. The applicant has submitted a Rezoning Traffic Statement and Traffic Impact Study as required. The intersection of Main Street/Town Center Drive and Grand River currently operates under congested conditions, and the Sakura Novi development is expected to increase traffic by 15%. The applicant does not propose to provide the improvements recommended by the City's study, as they state the improvements are necessary regardless of the development they are proposing. <u>Based on the analysis provided, a right turn taper lane is required per City ordinance. However the applicant is not proposing this right turn taper lane.</u>

**WOODLANDS:** Based on the Tree Protection Plan Sheets T-1.0 and Tree List T-1.1, there appear to be a total of 275 surveyed trees on the Phase 1 & 2 site. Of these, plan sheet L101 indicates 101 trees will be removed (37%), which would require 197 replacement credits. However, the Woodland review letter notes that the applicant has excluded certain trees from the count due to "condition," which is not a provision of the Woodland Ordinance. Without exemptions for those trees, the total number of trees to be removed is 184, with required Woodland Replacement credits totaling 341. This discrepancy should be corrected in future submittals. No Tree Survey has been included for the Phase 3 area of the project.

If the project proceeds forward, we would anticipate any trees on the site that are subject to regulation of the Woodland Ordinance would be accounted for in the tree credit requirements, either as an on-site planting or paid into the Tree Fund. An exact number does not need to be included in the PRO Agreement, unless City Council determines they wish to hold the developer to a minimum number of Woodland Replacement Credits to be planted on site. In addition, the applicant shall ensure that all proposed woodland replacement trees will be guaranteed to be preserved as planted within a conservation easement or landscape easement granted to the City. Additional comments and concerns are detailed in woodland review letter.

**WETLANDS:** There are four wetland areas on the site of Phase 1 and 2: a small forested wetland located just west of Ecco Tool (Wetland 1), the pond on the Anglin property (Wetland 2), a small scrub-shurb wetland on the southwest portion of the site (Wetland 3), and a scrub-shrub wetland on the eastern portion of the site that connects to a larger wetland on the adjacent property (Wetland 4). (On the Phase 3 site, there is a small wetland area in the southwest corner of the property.) The proposed plans indicate impacts to 4 of the 5 wetland and wetland buffer areas with a total of 1.67 acres of wetland impact. Permanent impacts to on-site 25-foot wetland buffers total 1.43 acres. All 5 wetlands meet the essentiality criteria of the Wetland Protection Ordinance and are considered regulated by the City of Novi. The City requires mitigation for impacts greater than .25 acre. A letter included in the submittal from the Atwell, the applicants' consultant, dated October 2, 2019, indicates the applicant is considering two different mitigation options to satisfy the City's requirements. The applicant's mitigation options include certain strategies that are not currently supported by the City's wetland ordinance. Staff believes further details need to be addressed as part of the PRO Concept plan so as to include them in the PRO Agreement as conditions for approval. Additional comments and concerns are detailed in wetland review letter.



**ARCHITECTURAL DESIGN:** The elevations submitted for buildings A-C and the residential townhome buildings have been reviewed by the City's Façade Consultant. A Section 9 waiver is required for minor deviations from the ordinance standards for the commercial buildings, which is supported. The applicant has increased the amount of brick material on the residential buildings in this submittal, but the percentage of siding is still over what the ordinance permits. If the siding were switched to a material permitted by the ordinance a Section 9 waiver could be supported, however vinyl siding is still proposed, which is not permitted by the Façade Ordinance and not supported by staff or the architectural consultant. Additional comments and concerns are detailed in Facade review letter.

**FIRE:** The Fire Marshal has identified several locations throughout the site that do not meet the access requirements for fire truck apparatus. A minimum of 50 feet outside and 30 feet inside turning radii are required. The applicant has provided a truck turning plan (C-2.7, C-2.8) which seems to indicate certain maneuvers will encroach onto curbed areas, which is not permitted. The drive lanes in the residential areas may need to be widened to meet ordinance standards or some of the units may need to be removed in order to provide the necessary turning radii. Additional comments and concerns are detailed in Fire review letter.

#### 2016 MASTER PLAN FOR LAND USE: GOALS AND OBJECTIVES

The proposed development could be said to follow several of the objectives listed in the 2016 Master Plan for Land Use update (adopted by Planning Commission on July 26, 2017) as listed below. Staff comments are in **bold**.

### 1. COMMUNITY IDENTITY

a. Maintain quality architecture and design throughout the City. The development proposes both commercial and residential buildings that are tied together through modern architectural style with Japanese and Chinese influences. The commercial buildings (A-C) maintain cohesive design themes and materials. The residential buildings have similar bold forms with linear patterns while respecting the smaller residential scale. Building elevations for Phase 2 Maximum Buildout Scenario buildings are not available at this time, but would be expected to maintain a strong relationship with the other non-residential buildings on the site.

# 2. ECONOMIC DEVELOPMENT

- a. Retain and support the growth of existing businesses and attract new businesses to the City of Novi. The property is positioned to accomplish this goal with the mix of uses proposed. The anchor tenant One World Market is an existing business that is looking to expand. (Phase 1A)
- b. Support retail commercial uses along established transportation corridors that are accessible for the community at large, such as along Grand River Avenue, to preclude future traffic congestion. The development proposes retail and restaurant uses along Grand River.
- c. Capture growth opportunities that will enhance short and long-term viability of the community, such as enabling development of concentrations of office space blended with residential. The office component of the development is anticipated in Phase 2, and would complement the residential uses proposed. (With Phase 2 Max Density Scenario)

# 3. ECONOMIC DEVELOPMENT / COMMUNITY IDENTITY

- a. Town Center Study Area. Develop the Anglin property in a manner that reflects the importance of this important gateway to the City in terms of its location, visibility, and economic generation. The subject property falls in that study area and is located at an important gateway to the City. Many of the recommendations for the area have been incorporated into the proposed project. (With Phase 2 Max Density Scenario)
- Rezone the Anglin Property to TC (Town Center) to enable a broader mix of uses and incorporation into the Town Center district. The applicant is pursuing a PRO rezoning to TC-1 rather than TC, but TC-1 allows a similar mix of uses and intensities. (With Phase 2 Max Density Scenario)
- c. Consider amendments to the TC district that would permit a greater mix of uses, including innovative attached housing types; amendments may also consider some public open space and the relationship of buildings to the street in order to create a subdistrict that emphasizes walkability. **Utilizing the TC-1 district achieves this without amending the TC district**.

# 4. ENVIRONMENTAL STEWARDSHIP

a. Protect and maintain the City's woodlands, wetlands, water features and open space. The proposed concept plan will impact regulated wetlands and woodlands. The applicant indicates they will propose wetland mitigation and protecting woodland replacement trees by way of a conservation easement. However further details are needed to evaluate the mitigation plan.

#### 5. QUALITY AND VARIETY OF HOUSING

- a. Ensure the provision of neighborhood open space within residential developments. The Phase 1B townhouse portion provides the Ordinance required open space. However the applicant indicates a deviation from open space requirements are requested for Phase 2 of the project, with no indication of any open space being provided.
- b. Attract new residents to the City by providing a full range of quality housing opportunities that meet the housing needs of all demographic groups including singles, couples, first time home buyers, families and the elderly. The townhouse apartments proposed could theoretically (depending on price point) provide a "missing-middle" type of house set in a walkable context that could be attractive to many different demographic groups.

#### MAJOR CONDITIONS OF PLANNED REZONING OVERLAY AGREEMENT

The Planned Rezoning Overlay process involves a PRO concept plan and specific PRO conditions in conjunction with a rezoning request. The submittal requirements and the process are codified under the PRO ordinance (Section 7.13.2). Within the process, which is initiated by the applicant,

the applicant and City Council can agree on a series of conditions to be included as part of the approval which must be reflected in the Concept Plan and or the PRO agreement.

The PRO conditions must be in material respects, more strict or limiting than the regulations that would apply to the land under the proposed new zoning district. Development and use of the property shall be subject to the more restrictive requirements shown or specified on the PRO Plan, and/or in the PRO Conditions imposed, and/or in other conditions and provisions set forth in the PRO Agreement. The applicant should submit a list of conditions that they are seeking to include with the PRO agreement. The applicant's narrative does not specifically list any such PRO conditions at this time.

Staff has started a draft list of possible conditions (other than those specifically related to the "public benefits" identified and addressed later in this memo), which will continue to evolve as the project review continues:

- 1. Developer shall develop the Land in accordance with all applicable laws, ordinances, and regulations, including all applicable setback requirements of the Zoning Ordinance under the Proposed Classification, except as expressly authorized herein, and all storm water and soil erosion requirements and measures throughout the site during the design and construction phases of the Development, and during the subsequent use of the Land as contemplated in this Agreement.
- 2. The grass-land pads shown on the landscape plans shall be properly maintained as grassland pads until such time that area is needed for Phase 2 uses to be developed. (Unclear what applicant means by grass-land pads. Further definition would be needed. Meadows were previously suggested by Staff, and we encourage the developer to plant a native meadow mix.)
- 3. The maximum number of dwellings to be constructed in Phase 1B shall be 68.
- 4. The maximum number of dwelling units to be constructed in Phase 2 shall be 70.
- 5. Phase 1 non-residential uses shall be limited to a 30,000 sf market; and restaurants and retail space totaling approximately 25,000 sf as shown on the PRO Concept Plan.
- 6. Phase 2 uses shall be no greater than 19,200 square feet of hotel use, 58,000 square feet of office use, 23,000 square feet of retail/restaurant use, 25,000 square feet of personal service use and 48 of multifamily residential units. Changes to the mix of uses of +/-10% shall be permitted to be approved administratively as long as additional deviations are not required and parking requirements can be met.
- 7. Alternatively, Phase 2 may be developed with a mix of hotel, office, retail/restaurant, personal service, senior living, and/or multifamily residential if the Planning Commission and City Council find that the following standards are met:
  - a. A Traffic Impact Statement shall be provided to determine that the proposed development does not increase the traffic impacts above what is expected to be generated by the Phase 2 Maximum Density Scenario.
  - b. Other conditions to be added...
- 8. Woodland tree removals during Phase 1 shall be approximately 101 trees, which shall require 197 woodland replacement credits. Developer will plant a minimum of 82 credits replacements on site. All woodland replacement trees shall be permanently protected via conservation easement or landscape easement. Any credits not planted on site will require a payment of \$400 per credit into the Novi Tree Fund.
- 9. All regulated woodland tree removals in Phase 2 shall meet the requirements of the City of Novi Woodland Protection Ordinance.
- 10. Proposed parking is being provided as per the Parking Study recommendations, which has been reviewed and approved by the City's traffic consultant. Future phase parking requirements will also be a function of shared parking analysis findings, if supported by City's review and approval.
- 11. Tentative completion date for Phase 1A shall be XXX.

- 12. Impacts to wetland and wetland buffer areas have been indicated and quantified and submitted as part of the PRO package. Specific remedies to be included in the PRO Agreement conditions.
- 13. Future Phases beyond Phase 1 will require an optional deviation for Open Space standards to achieve maximum density. (*Phase 2 Max Density Option*)
- 14. To protect future residents of the Phase 1B units from excessive noise impacts from the existing Ecco Tool business, the developer shall provide a Noise Impact Statement at the time of Preliminary Site Plan submittal to determine if ordinance performance standards will be exceeded. Provide any necessary mitigation measures if required.
- 15. The adjacent non-conforming Light Industrial use owned by Ecco Tool Co is to be addressed in the PRO Agreement conditions including:
  - a. Access for delivery trucks on the retained parcel; which will require cross access rights;
  - b. Twelve parking spaces on the retained parcel or access to parking spaces on adjacent areas to make up for any shortfall.

#### ORDINANCE DEVIATIONS

Section 7.13.2.D.i.c(2) permits deviations from the strict interpretation of the Zoning Ordinance within a PRO agreement. These deviations must be accompanied by a finding by City Council that "each Zoning Ordinance provision sought to be deviated would, if the deviation were not granted, prohibit an enhancement of the development that would be in the public interest, and that approving the deviation would be consistent with the Master Plan and compatible with the surrounding areas." Such deviations must be considered by City Council, who will make a finding of whether to include those deviations in a proposed PRO agreement. A proposed PRO agreement would be considered by City Council only after tentative approval of the proposed concept plan and rezoning.

The Concept Plan submitted with an application for a rezoning with a PRO is not required to contain the same level of detail as a preliminary site plan. Staff has reviewed the applicant's Concept Plan in as much detail as possible to determine what deviations from the Zoning Ordinance are currently shown. The applicant may choose to revise the concept plan to better comply with the standards of the Zoning Ordinance, or may proceed with the plan as submitted with the understanding that those deviations would have to be approved by City Council in a proposed PRO agreement. The following are deviations from the Zoning Ordinance and other applicable ordinances shown on the concept plan. The applicant has submitted a narrative describing the requested deviations.

## The list of deviations has been revised the list based on staff's comments provided in the previous review letters. See the applicant submittal package for full text of deviations requested and justifications provided.

Summary of deviation requested by the applicant (*in italics*) with staff comments (**in bold**):

- 1. Requesting deviation from Section 3.27.1.C for an exterior side yard setback of 10 feet (50 feet required). Staff agrees that the adjacent commercial zoning (B-3) is similar to the commercial development proposed along Grand River Avenue in Phase 1. This deviation is supported. (Phase 1A)
- Per section 3.1.26, deviation is requested for reduction of exterior side yard parking setback (10 feet required, 5 feet requested) on the west side adjacent to green space preserve area adjacent. (Phase 1A) Unless the plans are revised, a similar deviation for parking setback is also required for the commercial parking area behind Building A adjacent to the B-3 zoned parcel to the south.
- 3. Removed Deviation for 3 site entrances on Grand River Avenue

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- 4. Deviation requested for reduction to 0' Wetland Setback to accommodate remediation process, development of feature retention basin on western portion of site and for careful integration of on-site detention on far eastern portion of site, abutting city-owned retention/wetland basin. Noted in Wetland Report. This would be a deviation from Section 3.6.2.M of Zoning Ordinance. (Phase 1A)
- 5. Deviation requested from Section 3.1.26.D for existing side/front yard parking along 11 Mile Road. Existing occurs at Ecco Tool shop. Include specific required/proposed measurements on the plan. No parking spaces are shown on the Ecco Tool parcel to the measure distance. Staff would support the deviation if it is an existing condition and if it does not conflict with safe traffic movements. It appears the parking lot would need to be restriped anyway, and the width of the existing pavement would only allow parking on one side of the drive aisle. (Phase 1A)
- 6. Deviation Removed for paved parking lot on north end of property.
- 7. For Phase 2 Maximum Build-out scenario, Deviation requested from Section 5.5.3.B.ii.f. for reduction in parking setback (10 feet proposed, 20 feet required) for 11 Mile frontage. The deviation could either be for a temporary surface parking lot or a parking structure. A parking structure would be treated as a building, so the setback of 10 feet would not require a deviation in that case. In the event a surface parking lot is constructed instead, the deviation would be required. (Phase 2 Max Density Option)
- 8. For Phase 2 Maximum Build-out scenario, Deviation requested from section 3.27.2.A.ii to allow building frontage less than 150 feet along Eleven Mile Road. Building E is estimated to be approximately 80 feet along Eleven Mile, with the longer side oriented to face the main on-site drive aisle. Section 3.27.2.A.ii, which allows mixed use buildings a height bonus - for each additional floor of office or retail use above the first floor, an additional floor of residential use may be permitted. "All other standards of the ordinance apply to the height bonus, including setback, parking, landscaping, density and subsection i: "Buildings exceeding 65 ft in height shall have a minimum of 150 feet of building frontage on a roadway no less than 28-feet wide." Building E does not have 150 feet of frontage on 11 Mile and therefore this deviation is requested to allow the additional height without meeting the condition of the ordinance. As envisioned by this development, the pedestrian activity is focused around the pond and the internal road network. Eleven Mile is not contemplated to have an active streetscape, and the buildings on the north side of Eleven Mile do not relate to the street as well. However, the ordinance text does not specifically state the 28-foot roadway needs to be existing. If the internal roadway the building fronts on is widened to 28-feet, that would meet the intent of the ordinance and would not require a deviation. (Phase 2 Max Density Option)
- 9. For Phase 2 Maximum Build-out scenario, deviation requested from Section 3.27.1.F. for standardized Open Space requirements. The applicant has provided a definition of Open Space not utilized in this section in order to justify the deviation. The referenced section specifically states a minimum of 15% of the gross site area "shall be devoted to permanently landscaped open spaces and pedestrian plaza area accessible to the public." Pedestrian plaza areas do not fall under the definition used by the applicant as undeveloped and in its natural state. Further, no details are provided to indicate if any amount of landscaped open spaces and pedestrian plaza areas would be provided. (Phase 2 Max Density Option)
- 10. Deviation removed for 11 Mile frontage building setbacks.
- 11. Pertaining to the Residential component of Phase 1, Deviation requested for parking setback of 6.1 feet (20 feet required) in the Northeast corner of the project along Eleven Mile Road. (Phase 1B)
- 12. Deviation from 3.27.1.1. for not providing 12.5 foot sidewalk along Eleven Mile Road, a nonresidential collector. The applicant has marked this deviation as removed.
- 13. Deviation from Section 5.15 and 3.27.1.G. requested for façade materials exceptions included as part of the submittal. Materials boards will be provided for PC meeting. See PRO plan Elevations and design statement from the project architects. See Façade review letter for detailed comments. On the Phase 1 commercial buildings, Section 9 façade waivers are

needed for: an overage of EIFS on the west, east and north facades of Building A, an overage of Flat Metal Panels on the west and east facades of Building B, and an overage of EIFS on the west façade of Building C. These overages are relatively minor in nature and result in an enhancement of the overall design quality of the project; therefore the waivers are supported by Staff. On the residential buildings, the percentage of brick has been increased since the previous review. However there are still overages of vinyl siding on all facades. If the Vinyl siding is changed to Cement Fiber siding or other compliant type of siding, a Section 9 Waiver would be supported by staff. (Phase 1A and 1B)

- 14. Deviation requested from Section 3.27.1.H. and/or Section 5.4 for loading and unloading spaces not located in the rear yard. Screening will be provided for all trash/loading areas not facing a directly adjacent loading area. Include specific required/proposed measurement for each loading area and Section number (Sec. 3.27.1.H. and/or Section 5.4). Screening areas are not apparent at all locations. Loading areas at Buildings H and G appear to interfere with traffic flow and safety and should be relocated. (Phase 2 Max Density Option)
- 15. Deviation requested from Section 3.27.2.B to allow for the proposed specialty market and food hall, with a total of 30,000 sf on two levels. Tenant will contain 25,000sf on main level with 3,500sf support office use and 1,500sf overflow seating on mezzanine level. Tenant will have entrances on both permanent public building exposures. This deviation provides for the relocation of an existing Novi retailer, and allows for the creation of an environment more specifically tuned to the thematic Asian Village concept that is being proposed. Section 3.27.2.B states "No retail commercial building within the TC-1 district shall exceed 7,500 square feet in gross leasable floor area (GLA)," except under specific circumstances. The applicant's proposed specialty market and food hall, with a total of 30,000 sf on two levels, does not meet the conditions of any of the circumstances stated. Staff supports the deviation as the specialty market and food hall creates an anchor for the Asian village concept and allows an existing Novi business to expand. (Phase 1A)
- 16. Deviation requested for bicycle parking ratio on residential portion of overall project. This deviation has been removed.
- 17. Deviation requested from Section 5.7.3.K for site illumination level variance for multiple walkway areas, and for TC-1 fixture style selection. Site walkway areas will vary below 0.2 fc minimum standard on natural pathway around the water feature. Site walkway areas in residential portion will vary below 0.2 fc minimum standard. Parking area in residential area will fall below 0.2 fc minimum standard. The lighting plan indicates no lights will be provided in the parking areas in the residential portion of the project. Lighting is required for multifamily residential projects, and should be modified to meet the ordinance as much as possible. (Phase 1B)
- 18. Deviation from Chapter 28 of the City Code for TC-1 tenant signage standards. The project requires dual-language signage for authentic presentation of international tenants and clientele expectations. Many tenants will have both interior-facing and frontage-facing signage. (Phase 1A and Phase 2 Max Density Option)
  - a. Per section 28-5.c.1.a: an increase of 200% over area standards is required to accomplish the dual language signage.
  - b. Per section 28-5.c.1.b: 2 signs of equal permitted size are requested for each typical retail/restaurant tenant, as well as most tenants will have pedestrian entrances on 2 facades.
  - c. Per section 28-5.c.1.d: 2 signs of equal permitted size are requested for each project interior retial/restaurant tenant (not fronting public streets), consistent with other project lease space, and permitted sign area needs to be calculated as per 28-5.c.1.a.
  - d. Per Section 28-5.c.2.b.: signage style and type, as well as materials and illumination standards shall not adhere to the Sign Design and Review Manual for Novi TC-1 District. The standards were developed for, and still reference, a single development project undertaken over 20+ years prior.

- e. Per Section 28-5.e.1.a.: an increase of permitted projecting sign area to match primary signage area allotted up to 72 square feet maximum, an increase of 45 square feet total area.
- 19. Deviation requested from City Code Section 28-10.a.3 to allow string lights, exposed luminaire strip lights or neon tubes along building edges or other locations, and from Section 28-10.a.4 to allow animated signs. These elements, video display screens and/or animated LED lighting systems as part of public entertainment feature opportunity, are crucial to an authentic Asian environmental experience. Additional details are required to be able to evaluate. These elements would seem to be more appropriate under the Maximum Density Scenario, but not the Baseline Scenario. (Phase 1A and Phase 2 Max Density Option)
- 20. Deviation from Section 5.3.2 to allow a drive lane reduction in residential Phase 1B. The site plan shows drive lanes 20-22 feet in width in several areas of Phase 1B. The ordinance allows lane widths of 22 feet when no parking spaces are present, and 24 feet when adjacent to 90 degree parking spaces. Staff is concerned emergency vehicles will have difficulty accessing the site and recommends the applicant revise the plans to meet the minimum standards. (Phase 1B)
- 21. Deviation from Section 3.27.1.C to allow Phase 1 and 2 buildings internal to the site to exceed the maximum setback limit from Grand River Avenue and Eleven Mile Road. The ordinance does not give a maximum setback from arterials, so no deviation is required for Grand River/Phase 1 commercial buildings. Eleven Mile Road is classified non-residential collector, and therefore has a front yard minimum setback of 0 feet and a maximum setback of 10 feet. (Phase 2 Max Density Option)
- 22. Deviation from Section 3.27.1.1 to allow a 6 foot sidewalk along 11 Mile Road. The TC-1 district requires 12.5 foot sidewalks along non-residential collector and local streets. As this area was not contemplated for TC-1 zoning, the Non-motorized plan does not necessarily reflect the Zoning Ordinance requirement for 12.5 foot sidewalks. However in seeking a rezoning, the applicant is subject to the requirements of the new district, including 3.27.1.I, which states "Sidewalks within the TC-1 district adjacent to non-residential collect and local streets shall be twelve and one-half (12.5) feet in width." If not provided, this would be a deviation. (Phase 1B, Phase 2)
- 23. Landscaping Deviation from section 5.5.3.A to allow a continuous 6 foot evergreen hedge in lieu of the required 6-8 foot berm required when TC-1 district abuts a B-3 district. (Phase 1B)
- 24. Deviation for buffer between commercial/residential uses: removed as both uses permitted within the TC-1 district.
- 25. Landscaping Deviation from section 5.5.3.A for the absence of a 10-15 foot berm between the residential units in Phase 1B and the existing Ecco Tool light industrial use. In lieu of the berm, applicant proposes a 5 foot tall continuous evergreen hedge and densely planted upright canopy trees. (Phase 1B)
- 26. Landscaping deviation from section 5.5.3.C. for deficiency of parking lot interior landscape area, as the total amount of landscaping provided around the pond feature provides a greater amount of contiguous landscaped amenity that benefits the community. (Phase 1A)
- 27. Landscape deviation from section 5.5.3.F.ii to allow a deficiency in building foundation plantings and interior roadway canopy tree requirements. The requirement for canopy trees along interior roads excludes driveways, so the area in front of the garages is excluded. The ordinance requirement for 35% of foundation plantings required on the front façade does not apply as stated because the garage side would be considered the rear façade, even though that is the elevation that faces the roadway. This deviation is not required. (Phase 1B)
- 28. Deviation to allow Ecco Tool to continue to operate as a nonconforming use in the TC-1 district until their operations cease.

#### Additional Deviations:

See the attached review letters and charts for other possible deviations required. Following is the list of other possible deviations or revisions based on the Planning review of PRO Concept Plan:

- 1. Phase 2 Setbacks (Sec. 3.27.1.F): It is not clear whether parcel lines are proposed for the Phase 2 area. If there are legal parcel lines, deviations will be required in many areas for building and potentially parking setbacks.
- 2. Phase 1B Building Setbacks (Sec. 4.82.2.e): Setbacks for residential buildings in the TC-1 district are required to be 15 feet.

#### APPLICANT'S BURDEN UNDER PRO ORDINANCE

The Planned Rezoning Overlay ordinance (PRO) requires the applicant to demonstrate that certain requirements and standards are met. The applicant should be prepared to discuss these items, especially in number 1 below, where the ordinance suggests that the enhancement under the PRO request would be unlikely to be achieved or would not be assured without utilizing the Planned Rezoning Overlay. Section 7.13.2.D.ii states the following:

- (Sec. 7.13.2.D.ii.a) Approval of the application shall accomplish, among other things, and as determined in the discretion of the City Council, the integration of the proposed land development project with the characteristics of the project area, and result in an enhancement of the project area as compared to the existing zoning, and such enhancement would be unlikely to be achieved or would not be assured in the absence of the use of a Planned Rezoning Overlay.
- 2. (Sec. 7.13.2.D.ii.b) Sufficient conditions shall be included on and in the PRO Plan and PRO Agreement on the basis of which the City Council concludes, in its discretion, that, as compared to the existing zoning and considering the site specific land use proposed by the applicant, it would be in the public interest to grant the Rezoning with Planned Rezoning Overlay; provided, in determining whether approval of a proposed application would be in the public interest, the benefits which would reasonably be expected to accrue from the proposal shall be balanced against, and be found to clearly outweigh the reasonably foreseeable detriments thereof, taking into consideration reasonably accepted planning, engineering, environmental and other principles, as presented to the City Council, following recommendation by the Planning Commission, and also taking into consideration the special knowledge and understanding of the City by the City Council and Planning Commission.

#### PUBLIC INTEREST/ BENEFITS TO PUBLIC UNDER PRO ORDINANCE

Section 7.13.2.D.ii states that the City Council must determine that the proposed PRO rezoning would be in the public interest and the benefits to public of the proposed PRO rezoning would clearly outweigh the detriments. The following are being suggested by the applicant (in italics below as listed in their narrative) as benefits resulting from the project. Because staff is indicating that additional information about aspects of the project is needed, our comments (in bold) are minimal at this time:

1. Developer offers to dedicate the Right-of-Way (ROW), and future ROW, along 11 Mile and Grand River. After reviewing the proposed purchase agreement between the City and the developer, Staff discovered a significant portion of the Right-of-Way is not being included in the property for sale. The applicant shall quantify the amount of additional property to be dedicated to the City/Oakland County for the purposes of Right-of-Way. This could be considered a public benefit, depending on how much property is identified.

- 2. Developer offers an easement at the southeast corner of the proposed development for the City to use as for a Welcome sign. If the easement could also be open to other public purposes, such as art, or another amenity for the public this easement could be considered as a public benefit.
- 3. Developer offers that the proposed neighborhood-scaled, mixed-use, pedestrian accessible development would be in line with the intent of the 2016 Master Plan. Staff agrees; however, this generalized effect of redevelopment could also be achieved using a simple rezoning instead of a PRO.
- 4. Developer offers space is being earmarked to accommodate structure parking in Phase 2, which could be used by a central parking agency or Special Assessment District. Staff agrees that it may be possible to use this space for a parking structure; however, the details of how that would be accomplished have not been proposed, and whether a parking structure in this particular area would be considered a public priority is something that needs to be discussed with the Planning Commission, City Council, and other relevant bodies (e.g., CIA).
- 5. Developer indicates that the proposed development complements the 2016 Master Plan vision for a unique, well-designed, mixed-use facility. Staff agrees, but this seems to be the same as described in item 3 above, and this could also be done using a simple rezoning.
- 6. Developer states that growing an important existing Novi retailer (One World Market) would complement the goals and objectives of the 2016 Master Plan. Again, this growth is a generalized result that could also be accomplished through a traditional rezoning request on the subject property or another location.
- 7. Sakura Novi, as a unique development would reinforce the vision of the 2014 Town Center Area Study, namely to create a dynamic, attractive city core that provides residents and visitors with unique opportunities to participate in active community life, and meet their needs for goods, services, housing and entertainment. Staff believes that the proposal may assist the City in meeting the vision of the 2014 Town Center Study, provided that the plan provides for the elements that are indicated in the Phase 2 Maximum Density Scenario. The Town Center Area Study did not indicate residential uses for this location.
- 8. Developer indicates that the proposed Sakura Novi, with its unique collection of market, restaurants and retail is anticipated to be an economic engine, generating 170 permanent jobs. While this statement is a testament to the economic benefits of the anticipated development potential, it could also be achieved with a simple rezoning instead of a PRO. Greater economic impacts would be achieved with the Phase 2 Maximum Density Scenario, but would seem to be considerably less if the Phase 2 Baseline option is developed.
- 9. The proposed residences at Sakura Novi will provide smaller footprint, middle-market rate residential rental offerings. The new homes would be a draw to Asian ex-patriot professionals and their families, as well as the large corporations that sponsor many of these families. Staff agrees that the mixed-use components, of restaurants, retail, residential, and potentially office and hotel uses, meets the intent of the Master Plan and the appeal to the many Asian residents in Novi has been well-framed by the developer; however, again, these are generalized results that could also be achieved with a simple rezoning instead of a PRO.
- 10. The developer indicates that the proposed Sakura Novi is anticipated to reinforce Novi's tax base beyond the project itself by creating a platform that can foster partnerships among the City of Novi, cultural institutions and the corporate community. An example provided is the partnership with the STAMPS School of Art and Design at UM, and the Japan America Society to create a Japanese themed illuminated applique. While the application does not include specific details, if the intent is to provide public art within the development for the enjoyment of the general public, that could be considered a public benefit that would not otherwise be achieved through conventional development proposals. We appreciate the concept of collaborations and partnerships but the actual outcomes are difficult to measure in real terms. (It is also worth noting that murals often spark discussion about the proliferation

to other properties throughout the City; they are considered signs, and therefore present unique issues that bear real discussion by policy-makers.)

- 11. The development will create a park-like environment around the existing pond, including a walking path around the pond and throughout the site, available to the general public. Landscaping treatments, the pathway, and a small building at the edge of the pond will "activate" the pond. Staff agrees that enhancing the existing water feature and inviting the public to enjoy the amenities of the site would be considered a public benefit above what may typically be provided on a conventional development proposal. This benefit is also repeated above in item 5.
- 12. Fostering walkability and connectivity within an important corner at the heart of Novi by providing the walking path around the perimeter of the pond, as well as the "tree lined boulevard" and "pocket gardens" leading to the residential common area. This item is closely linked to items 11 and 5. While the walking path around the pond and the common area of the residential portion of Phase 1B are amenities, they are also meeting the requirements for open space of the TC-1 district, which would be expected from any development. Further enhancement of the "boulevard" and identification of the pocket gardens on the plans is needed to classify this as a public benefit.
- 13. The walkability of the development can potentially energize other areas in the Town Center core. For example, there is an opportunity to create walkable connectivity to the City-owned lake to the east of the site. Staff believes there this could be an opportunity for the developer to offer an enhancement that would create a public amenity. It is unclear from the submittal if the developer is offering such an enhancement.
- 14. In keeping with the intent to create an Asian village theme, Sakura Novi's design features, as described in the Architects' Design Statements, intends to create a bold, yet refined, aesthetic reminiscent of upscale shopping, dining and entertainment districts one may find in Osaka, Seoul and Hong Kong. The City's façade consultant indicates that the revisions to the proposed commercial building designs more closely comply with the Façade ordinance compared to the previous submittal. The commercial buildings also include architectural features that substantially enhance the overall design quality of the project. There are also landscape, hardscape (such as decorative paving at key intersections), and accessory details, such as the proposed tea house near the pond, that will elevate and carry the theme through the development. Whether these rise to the level of a benefit to the public is a question for further discussion.
- 15. The signage package, although it does not meet the ordinance standards, is meant to underscore that Sakura Novi is a cohesive, singular concept, and a regional destination to help the development team assemble an international blend of new and fresh merchant offerings. The deviations requested for the signage package are significant. Establishing this development as a culturally diverse destination is warranted, and signage could be a way to distinguish this area of the community from other nearby developments. However, staff does not have enough details of the signage proposed throughout the development to determine whether this would be an enhancement to the community. (It is unusual to describe deviations from City standards as a "benefit.")

#### Other Possible Benefits to be considered by the Applicant:

- Consideration of an off-site sidewalk connection (~30 ft) to the plaza on the Northeast corner of Town Center Drive and Grand River Avenue to provide necessary link to surrounding areas.
- Additional bicycle parking spaces above the requirements in the ordinance.

- 1. <u>Engineering Review (dated 10.22.19)</u>: The plans for Phase 1 and 2 meet the general/preliminary requirements on Chapter 11, Storm water management ordinance and the Engineering Design Manual. Additional comments to be addressed in subsequent submittals. Engineering recommends approval of Phase 1 and 2. **Phase 3 is not recommended for approval as there is no mention of storm water management.**
- 2. <u>Landscape Review (dated 10.22.19)</u>: Landscape review has identified significant deviations that would be required unless further modifications to the plans are made. Staff supports some of them, but encourages the applicant to reduce the number of deviations. Refer to review letter for more comments. Landscape does not recommend approval at this time.
- 3. <u>Wetland Review (dated 10.18.19)</u>: **Wetlands does not recommend approval at this time.** Additional information is required in order to recommend approval of the PRO Concept Plan.
- 4. <u>Woodland Review (dated 10.18.19)</u>: A City of Novi woodland permit is required for the proposed plan. **Woodlands does not recommend approval at this time.** See review letter for additional comments to be addressed.
- 5. <u>Traffic Review & RTIS Review (dated 10.18.19)</u>: Additional Comments to be addressed in future submittals. **Traffic does not recommend approval of the PRO Concept Plan at this time.**
- 6. <u>Facade Review (updated 10.18.19)</u>: There are minor deviations on the proposed commercial building elevations. The residential buildings have increased the percentage of brick, however there is an overage of horizontal siding, and vinyl siding is not permitted by the façade ordinance. A Section 9 waiver would be supported for the commercial buildings. A Section 9 waiver for the overage of horizontal siding on the residential buildings would be supported if the siding material is changed to cement fiber.
- 7. <u>Fire Review (dated 10.11. 19)</u>: Fire has provided additional comments and questions that would require clarification. Conditional approval is recommended.

#### NEXT STEP: MASTER PLANNING & ZONING COMMITTEE

Based on the applicant's request, the revised PRO Concept Plan is scheduled to go before the Planning Commission's Master Planning & Zoning Committee for informal review on <u>November 13</u>, 2019 at 6:00 p.m. Staff and the applicant will present the plans, and Committee members will have an opportunity to ask questions and provide feedback. No decisions or recommendations are made at the meeting. This is not a public hearing, but there will be an opportunity for audience participation if anyone wishes to attend.

#### PLANNING COMMISSION MEETING

Based on the applicant's request and the project schedule, this item will be scheduled for public hearing before the Planning Commission to make a recommendation to City Council on December 11, 2019. Please provide the following by noon on <u>December 4, 2019</u>. Staff reserves the right to make additional comments based on additional information received.

- 1. Concept Plan submittal in PDF format.
- 2. A response letter addressing ALL the comments from ALL the review letters and **a request for deviations as you see fit based on the reviews.**
- 3. A color rendering of the Site Plan, if any to be used for presentation purposes.

#### CITY COUNCIL

After the Planning Commission makes its recommendation, the PRO Concept Plan will be scheduled for consideration by the City Council. If the City Council grants tentative approval at that time, they will direct the City Attorney to draft a PRO Agreement describing the terms of the rezoning approval.

If the applicant has any questions concerning the above review or the process in general, do not hesitate to contact me at 248.347.0484 or <a href="https://www.ubellocityofnovi.org">https://www.ubellocityofnovi.org</a>

Kindsmy Bell

Lindsay Bell - Planner

Attachments: Planning Review Chart Section 3.1.21.B&C –OS-1 Permitted Uses & Special Land Uses Section 3.1.22.B&C – OSC Permitted Uses & Special Land

Uses

Section 3.1.18.B&C – I-1 Permitted uses & Special Land Uses Section 3.1.26.B&C – TC-1 Permitted Uses & Special Land Uses

#### PLANNING REVIEW CHART: TC-1 - Town Center 1 District with a Planned Rezoning Overlay(PRO)



Review Date: Review Type: Project Name: Plan Date: Prepared by:

October 31, 2019 Revised PRO Concept Plan **19-31 SAKURA WAY** October 2, 2019 (Plan sets Received October 3, 2019) Lindsay Bell, Planner **E-mail:** <u>Ibell@cityofnovi.org</u> **Phone:** 248.347.0484

- **Bold**: Items that need to be addressed by the applicant prior to the approval of the PRO Concept Plan
- <u>Underlined</u>: Items that need to be addressed prior to the approval of the Preliminary Site Plan
- <u>Blue and underline</u>: Items in are items that do not currently conform to the Zoning Ordinance and may be considered as a deviation

Item	Required Code	Proposed	Meets Code	Comments
Zoning and Use Requ	irements		,	
<b>Master Plan</b> (adopted July 26, 2017)	Town Center Gateway shown on Future Land Use Map Master Plan recommends rezoning to TC District to fulfill vision for Town Center area	TC-1 Rezoning proposed Phase 1:Market, Restaurants, retail, residential Phase 2: Possible hotel, residential, senior living facility, office, retail, and restaurants	No	The subject property to be rezoned to TC-1 to permit the uses proposed See Planning Review letter for further analysis
Town Center Area Study 2014	The Anglin Area is intended to serve as the eastern "gateway" into the Grand River/Novi Road Business and Main Street Areas. A wide variety of uses and pedestrian-oriented form will activate the area and provide a logical entranceway. Future development should utilize the existing pond as a site amenity.	The applicant is requesting to rezone to TC-1. Development proposed includes a mix of uses including specialty market and food hall, restaurants, retail, hotel, office, and residential. Proposal includes using the pond as a focal point and site amenity.	Yes	The Anglin property was included in the study, however the Ecco Tool and city parcels on the east proposed for the residential component were not included in the study, nor were the 2 parcels further east proposed for Phase 3 See Planning Review letter for further analysis
<b>Zoning</b> (Effective Jan. 8, 2015)	OSC Office Service Commercial, OS-1 Office Service, and I-1 Light Industrial	TC-1: Town Center - 1	No	Rezoning requested
	ovided the prospective uses n as a condition of the PRO		limit th	e type of uses as shown on
<b>TC-1 District Uses Per</b> (Sec 3.1.26.B & C) Sec. 3.1.25.B Princip		<b>Phase 1A:</b> Japanese Market Restaurants	Yes	Permitted Uses if rezoned

Item	Required Code	Proposed	Meets Code	Comments
Sec. 3.1.25.C. – Special Land Uses Permitted.		Retail		
		Phase 1B/Phase 2 Baseline: Multifamily Residential	Yes	Permitted Use if rezoned
		Phase 2 Max Density Option: Hotel Office Residential Senior Living Facility *Retain Tool & Die shop indefinitely	Yes No	Permitted Use if rezoned Ecco Tool would be a non- conforming use in the TC-1 district
		Phase 3: Multifamily Residential	Yes	Permitted Use if rezoned
<b>Density</b> Future Land Use Map(adopted July 26, 2017)	13.6 du/ac	Total site area Phase 1: 12.75 acres 68 multifamily units (townhomes) in Phase 1B 68 units/12.75 ac = 5.44 du/ac 68 + 70 multifamily units (Townhomes) in Baseline Phase 2: Approx: 15.5 ac 138 units/15.5 ac = 8.9 du/ac	Yes	A cap on the number of units in Phase 2 should be included in the PRO Agreement
Phasing	Show proposed phasing lines on site plan. Describe scope of work for each phase. Each phase should be able to stand on its own with regards to utilities and parking	Phasing lines shown Phase 1A(South area) Buildings A, B, and C (Market, Retail, Restaurants) 50,977 sf Surface Parking: 338 spaces Phase 1B (Eastern area) 68 Residential 2-bed townhome units 81 garage spaces + 36 surface spaces = 117 spaces Phase 2 – Baseline (Northern area) 70 residential 2-bed		The applicant provides 2 different development scenarios for the Phase 2 portion of the project due to the uncertainty of future development conditions. Details and deviations for Phase 2 uses may need to come back for a PRO Amendment if the conditions cannot be agreed to at this time.

Item	Required Code	Proposed	Meets Code	Comments
		townhome units 108 garage spaces + 40 surface = 148 parking spaces		
		Phase 2 - Max Density Option (Northern area) Buildings E, F, G H (Retail, Restaurants, Office, Residential, Hotel, Spa) 168,665 sf 16 1-bd res. units 32 2-bd Res. units Parking Garage: 442 spaces Surface Parking: 68 spaces Phase 3 (Unattached Eastern area) 52 Residential 2-bed townhome units Parking: 64 garage + 40 surface = 104 spaces		How will parking requirements be met if the City does not build the parking garage?
PRO Concept Plan Sub	mittal: Additional requiren	nents	<u> </u>	
Written Statement (Site Development Manual) The statement should describe the items listed to the right	Potential development under the proposed zoning and current zoning	The applicant has addressed this item in the narrative.	Yes	Staff agrees that the Town Center-1 District may be a reasonable alternative to the existing zoning for Phase 1&2 given the vision for this area in the Town Center study and Master Plan. Phase 3 was not included in the Town Center Study.
	Identified benefit(s) of the development	Applicant has provided a list of public benefits proposed at this time.	Yes	Please refer to Plan Review letter for discussion of public benefits proposed
	Conditions proposed for inclusion in the PRO Agreement (i.e., Zoning Ordinance deviations, limitation on total units, etc.)	List of deviations are included in the narrative	Yes	Please refer to Plan Review letter for discussion deviations proposed
<b>Sign Location Plan</b> (Page 23,SDM)	Installed within 15 days prior to public hearing	Provided – sheet C1.6	Yes	Signs are not required on each parcel, only each

Item	Required Code	Proposed	Meets Code	Comments
	Located along all road frontages			frontage, and each zoning district should be represented. Remove sign from City parcel 22-23-226- 042 as it is not part of PRO submittal for rezoning. See letter for further details. For 12/11/19 Planning Commission public hearing, signs shall be posted no later than 11/21/19
Rezoning Traffic Impact Study (Site development manual)	Rezoning Traffic Impact Study as required by the City of Novi Site Plan and Development Manual.	A Traffic Impact Statement and Rezoning Traffic Impact Study is provided	Yes? Yes?	Refer to Traffic review letter for more comments
Community Impact Statement (CIS) (Sec. 2.2)	<ul> <li>Over 30 acres for permitted non- residential projects</li> <li>Over 10 acres in size for a special land use</li> <li>All residential projects with more than 150 units</li> <li>A mixed-use development, staff shall determine</li> </ul>	Mixed-use development, based on the number of different uses. A CIS is provided	Yes	Refer to Planning Review letter for more comments.
Height, bulk, density a	nd area limitations	l		
Frontage on a Public Street (Sec. 5.12)	Frontage upon a public street.	The sites have frontage and access to Grand River Avenue and Eleven Mile.	Yes	
Access To Major Thoroughfare (Sec. 5.13)	Access to major thoroughfare is required, unless the property directly across the street between the driveway and major thoroughfare is either multi-family or non-residential	Site has access to Grand River Avenue and Eleven Mile Road Phase 3 has access to Eleven Mile	Yes	
<b>Open Space Area</b> (Sec. 3.27.1.F)	15% (permanently landscaped open areas and pedestrian plazas).	An Open space plan (sheet L204) is provided. It indicates a total of 1.63 acres (15.08%) of open space in the commercial area for	Yes?	Open space requirement will be met for Phase 1 – however <u>applicant</u> <u>indicates a deviation will be</u> <u>needed for the Maximum</u> <u>Development scenario for</u>

Item	Required Code	Proposed	Meets Code	Comments
		Phase 1.		phase 2. No specific deviation given.
Maximum % of Lot Area Covered (By All Buildings) (Sec. 3.6.2 D)	No Maximum		NA	
Building Height	5 stories or 65 ft,	Building A: 2 stories	Yes	
(Sec.3.1.26.D)	whichever is less	Building B: 2 stories	Yes	
	** Section 3.27.2.A.ii	Building C: 2 stories	Yes	
	allows mixed use buildings a height bonus	Building D: 1 story	Yes	
	- for each additional floor of office or retail use above the first floor, an additional floor of residential use may be permitted. "all other standards of the ordinance apply to the height bonus, including setback, parking, landscaping, density	Building E: 6 stories (2 levels non-res, 4 levels residential)	Yes?	Provide height of building in feet <u>Deviation required for lack</u> <u>of required building</u> <u>frontage: 150 ft required on</u> <u>roadway.</u> Applicant could consider widening roadway to 28 feet in front of building E to meet requirement.
	and subsection i: "Buildings exceeding 65	Building F: 2 stories	Yes	
	ft in height shall have a	Building G: 5 stories	Yes	
	minimum of 150 feet of building frontage on a roadway no less than 28-feet wide"	Building H: 4 stories	Yes	
Dwellings in TC and TC Commercial Portion is Arterial and Non-reside	ay also be required by Pla	endment 18.279) juirements		
Grand River Avenue is Phase 1A buildings will is TC-1 District to the sc Phase 2 buildings shall requirements.	ndicates the lot lines at the classified an arterial while I be considered to "front" of	Eleven Mile Road is consid on Grand River should adh d as "front" should adhere	ere to "	Interior" requirement as there

Item	Required Code	Proposed	Meets Code	Comments
<b>Front</b> (Grand River and Eleven Mile)	<u>Arterials</u> 15 ft. minimum	Bldg A: 217 ft	Yes	Indicate the proposed setbacks on sheet C-2.0.
See 3.27.1.C for waiver conditions for City Council	*Setback may be increased where necessary to obtain	Bldg B: NA	Yes	Proposed parcel lines required to fully evaluate setbacks
	clear vision area for vehicular traffic.	Bldg C: 15 ft	Yes	
	<u>Non-Residential</u> <u>Collector</u>	Bldg E: 8.04 ft	Yes	Deviations required for exceeding maximum
	0 ft min, 10 ft maximum	Bldg F: >10	No	<u>setbacks for buildings F and</u> <u>G</u>
		Bldg G: >10	No	Provide measurements on the plans to show building
		Bldg H: 7.98 ft	Yes?	setback distances from each lot line on sheets C-2.1 and C2.2
		Parking Structure: ~10 ft	Yes?	
		Ecco Tool (Existing) ~52 feet	No	Existing, to be made non- conforming by rezoning
Side Western property line is considered Interior	<u>Arterials</u> 10 ft. Minimum Interior	Bldg A: 10 ft (East: Exterior to B-3)	No	Deviation required: 50 ft required, 10 ft proposed
(TC district adjacent) Eastern property lines	50 ft Exterior	Bldg B > 50 ft	NA	
Considered Exterior (B-3 and I-1 Districts		Bldg C > 50 ft	NA	
adjacent)	<u>Non-Residential</u> <u>Collector</u>	Bldg E: ~10 ft (East: Ecco Tool)	Yes	
	0 ft min, no maximum	Bldg F: NA	NA	
		Bldg G: NA	NA	
		Bldg H: ~10 ft	Yes	
		Parking Structure: NA	Yes	
		Ecco Tool (Existing) ~25 feet	Yes	

Item	Required Code	Proposed	Meets Code	Comments
<b>Rear</b> Western property line is considered Interior	<u>Arterials</u> 10 ft. Minimum Interior	Bldg A: NA (north side)	NA	
(TC district adjacent)	50 ft Exterior	Bldg B: NA	NA	
Northern property lines considered Exterior (OSC Districts		Bldg C: NA	NA	
adjacent)	<u>Non-Residential</u> <u>Collector</u>	Bldg E: 8.04 ft	NA	
	0 ft min, no maximum	Bldg F: 75 ft (to B-3 parcel to south)	Yes	
		Bldg G: NA	NA	
		Bldg H: 8.89 ft	Yes	
		Parking Structure:	NA	
Commercial Parking S	etback (Sec 3.1.26.D)	•		
Front Grand River Ave	20 ft. from ROW	Front Grand River: 20 ft	Yes	Show the setback distances on plans to verify
Side/Rear Yard (West, East, South adj to B-3)	10 ft.	Western side yard: <b>5 ft</b> Eastern side yard: 10 ft Adj to B-3: <b>5 ft</b> Exterior rear yard (11	No Yes No No	conformance Parking setback plan (C-2.5 and C-2.6) indicates
<b>Exterior Rear Yard</b> (11 Mile Road)	20 ft. from ROW			incorrect parking setbacks - please correct.
		Mile): 10 ft		Deviations requested for western side and exterior rear yard. Also required for parking adjacent to B-3 parcel if not corrected.
Note To District Standa	rds (Sec 3.6.2)			
Exterior Side Yard Abutting a Street (Sec 3.6.2.C)	All exterior side yards abutting a street shall be provided with a setback equal to front yard.	11 Mile Frontage is exterior side yard	Yes	
Minimum lot area and width (Sec 3.6.2.D)	Except where otherwise provided in this ordinance, the minimum lot area and width, maximum percentage of lot coverage shall be determined by the requirements set forth.	Proposed	Yes	Lot boundaries appear to have been added for the Phase 2 portion of the project. If these will be legal parcel lines, provide setback dimensions for all buildings within the lots in order to determine setback deviations.

ltem	Required Code	Proposed	Meets Code	Comments
Yard Setbacks adjacent to Residential Districts (Sec 3.6.2.H&L)	If site abuts a residential zone, buildings must be set back at least 3' for each 1' of building height, but in no case can be less than 20' setback	NA	NA	Does not abut residential
Wetland/Watercourse Setback (Sec 3.6.2.M)	A setback of 25 ft. from wetlands and from high watermark course shall be maintained	Pond exists on the site – buffer not shown	No	Indicate the buffers on the plan to verify conformance; Refer to Wetland review letter for more details <u>Deviation requested</u>
Parking setback screening (Sec 3.6.2.P)	Required parking setback area shall be landscaped per sec 5.5.3.	Berm required		Refer to landscape review for more details.
Modification of parking setback requirements (Sec 3.6.2.Q)	The Planning Commission may modify parking setback requirements based on its determination according to Sec 3.6.2.Q.	Parking setbacks listed incorrectly in several locations. See 3.1.26.D below	Yes?	<u>Plan does not meet the</u> <u>setback requirements for</u> <u>some areas.</u> Show correct setback lines on the plans. Spaces along southern property line – SE of Bldg F – and parking along Eleven Mile do not comply
TC-1 District Required	Conditions (Sec 3.27)			
Site Plans (Sec. 3.27.1.A.)	Site area under 5 acres: Requires Planning Commission approval; Site area over 5 acres: Requires City Council approval upon Planning Commission recommendation	Site is over 5 acres (15.59 acres)	Yes	Site plan requires City Council approval upon Planning Commission recommendation
Parking Setbacks (3.27.1 D)	20 ft. from ROW		No	Refer to comments on page 6 and 7
	Surface parking areas must be screened by either a 2.5 ft. brick wall or a landscaped berm from all public ROW	Screening?	No	See Landscape Review Letter.
	No front yard or side yard parking on any non-residential collector.	Exterior side yard parking on 11 Mile Road		<u>11 Mile is Non-Residential</u> <u>collector; Deviation</u> <u>requested</u>
Architecture/ Pedestrian Orientation	No building in the TC-1 district shall be in excess of one-hundred twenty-	This applies to the Commercial buildings.	Yes	See Façade review for further architectural comment

Item	Required Code	Proposed	Meets Code	Comments
(3.27.1 E)	five (125) feet in width, unless pedestrian entranceways are provided at least every one-hundred twenty-five (125) feet of frontage.	Several buildings exceed 125 ft width – Phase 1 buildings will have entrances Proposed: Decorative paving at key locations, pond/surrounding garden as focal point		
<b>Open Space Area</b> (Sec. 3.27.1.F)	15% (permanently landscaped open areas and pedestrian plazas accessible to the public) Required: 1.62 ac	Open Space calculations provided show 1.63 ac (15.08%)	Yes	
Façade materials (Sec. 3.27.1 G)	All sides of the building and accessory buildings must have the same materials. Façade materials may deviate from brick or stone with PC approval.			See Façade Review Letter for comments. Façade sample board is required. Section 9 waivers required – additional detail and 3D color renderings will be needed
Parking, Loading, Signs, Landscaping, Lighting, Etc (Sec. 3.27.1 H)	All loading in TC-1 shall be in rear yards.	Phase 1A: loading in side and rear yards Phase 2: Several loading areas proposed conflict with parking and traffic movement	No	Deviations requested. Clearly show on plans all loading areas, label area (See Section 5.4 for additional requirements)
	Off-street parking counts can be reduced by the number of on-street parking adjacent to a use		NA	Shared parking study provided
	PC may allow parking requirement reduction when parking areas serve dual functions.	The development proposes mixed uses.	Yes	Shared parking study provided
	Special assessment district for structured park	Not proposed	NA	
Sidewalks required (Sec. 3.27.1 l)	Sidewalks required along non-residential collector to be 12.5 ft. wide Sidewalk on Grand River should be 8'	8' sidewalk on Grand River 6' sidewalk on 11 Mile?	Yes No	Show sidewalk widths <u>Deviation Requested to</u> <u>retain existing 6' sidewalk</u> <u>where ordinance requires</u> <u>12.5 ft</u>

ltem	Required Code	Proposed	Meets Code	Comments
	Direct pedestrian access between all buildings and adjacent areas	Appears to be provided, although markings on plans not consistent.	Yes?	
Bicycle Paths (Sec. 3.27.1 J)	Bike paths required to connect to adjacent residential & non- residential areas.	8' Sidewalks proposed along Grand River; Existing sidewalk on 11 Mile to remain on streets proposed	No	See sidewalk comment above
Development amenities (Sec. 3.27.1 L)	All sites must incorporate amenities such as exterior lighting, outdoor furniture, safety paths in accordance with Town Center Study Area.	L401 shows proposed bench, bike rack, decorative stamped concrete Lighting specs provided sheet 2 of 2	Yes	No exterior lighting proposed for much of residential portion of Phase 1
Combining Use Groups within a Structure (Sec. 3.27.1 M)	Commercial and office uses may occupy any number of total floors within a building with residential uses: - Not on same floor as residential Not above residential	Building E: Restaurant/Spa 1 <sup>st</sup> floor Spa 2 <sup>nd</sup> floor Residential 3rd-6th floors Building G: Retail/restaurant/office	Yes	
Retail Space (Sec.3.27.2.B)	<ul> <li>7,500 sq. ft. GLA max may exceed when:</li> <li>All floors above 1st floor permitted in TC-1</li> <li>No retail above 2nd floor</li> <li>2nd floor retail is less than 12,000 sq. ft. or 25% of the floor area</li> <li>Single user max. is 15,000 sq. ft.</li> <li>50% of retail commercial space on 1st floor is devoted to users of 5,000 sq. ft. or less</li> </ul>	Details of retail spaces not provided	Yes	Note that single use maximum on first floor is 15,000 sq. ft. and 50% of retail on first floor needs to be dedicated to users of 5,000 sq. ft. or less <u>Market: 30,000 sf requested</u> <u>deviation</u>
Street and Roadway Rights-Of-Way (Sec. 3.27.1 N)	Nonresidential collector and local streets shall provide ROWs consistent with DCS standards	ROW to be dedicated on Grand River and 11 Mile Road	Yes?	Quantify additional area of ROW dedication
Façade materials	All sides of the building	Bldg A&D	No	Section 9 waivers are required for all buildings with elevations submitted.
(Sec. 3.27.1 G)	and accessory buildings must have the same	Bldg B	No	
	materials. Façade	Bldg C	No	Please refer to Façade

Item	Required Code	Proposed	Meets Code	Comments
	materials may deviate	Bldg E: not submitted		review for more details and
	from brick or stone with PC approval.	Bldg F: not submitted		missing information. If deviations are not identified/ requested at this time, the elevations are
		Bldg G: not submitted		
		Bldg H: not submitted		
		Parking Structure: not submitted		expected to conform to the code at the time of
		Residential Buildings: Vinyl siding is not permitted; Brick percentage has been increased	No	Preliminary Site Plan approval.
<b>Mixed-Use Developme</b> To qualify as a mixed-u		ct must meet the following	require	ments.
<ul> <li>TC-1 district of either         <ul> <li>a. The net site area</li> <li>b. The total gross f</li> </ul> </li> <li>A development with b         <ul> <li>family and senior, age multi-family uses shall r             use unless a non-reside</li> <li>A performing arts facility</li> </ul> </li> </ul>	both conventional multi- qualified, independent not be considered mixed ential use is also included ity unconditionally	Gross site area: 15.5 acres Net site area after ROW dedication & Pond: 14.39 acres Residential Site Area: approx. 4.5 acres Commercial site area: 9.89 acre (~69% of total site area) Phase 2 Baseline: Not applicable	Yes? NA	Appears to comply In order to subtract to find net site area: - <u>Provide ROW area to be</u> <u>dedicated;</u> Hotel use calculated separately from shopping center (~26%) 10% of net site area: 1.44 acres (each use should attain this minimum size to be considered mixed use)
agreement with the C second use, provided structure with a minimu	lic use, under separate ity, shall be considered a that it is a fully enclosed um of 500 seats. <b>Mixed-Use in TC/TC-1</b> (Se	c. 4.82)		
	lings Units (Sec. 4.82.2)	Must meet RM-1 district requirements.	Not Ap	pplicable
Mixed Use Guidelines	(Sec. 4.82.2)			
Number of Rooms and Area of Parcel (Sec. 4.82.2.a) TC/TC-1, Multiple Family, and Mixed-	Total number of rooms shall not have more than the area of the parcel in square feet, divided by a factor of	For 14.3 net acres 623,779 sq. ft. / 800 = <b>779</b> <b>rooms permitted</b> <u>Phase 1B</u> : 68 2-BR @ 3	Yes	

Item	Required Code	Proposed	Meets Code	Comments
Use	1200. For mixed use, it is divided by factor of 800.	rooms = 204 <u>+ Phase 2 Baseline</u> : 70 2- BR @ 3 rooms = 210 Total <b>414 rooms *</b> <u>Phase 2 Max Density</u> : 48 units: 16 1-BR @ 2 rooms + 32 2-BR @ 3 rooms = 204 (Phase 1B) + 128 =		
		332 rooms		
Allowing increase in number of rooms (Sec. 4.82.2.b)	Planning Commission (for sites <5 acres) or City Council (for sites >5 acres) can approve increase in number of rooms subject to conditions listed in Sec. 4.82.2.b. The increase cannot exceed more than two times the rooms otherwise allowed	Allowed: 779 rooms Proposed: <u>Phase 1B</u> : 204 rooms <u>Phase 2 Base</u> : 414 rooms <u>Phase 2 Max</u> : 332 rooms	Yes	
Floor plans for Mixed Use developments (Sec. 4.82.2.c)	Conceptual floor plans layouts for each dwelling unit is required to establish maximum number of rooms permitted, subject to minor modifications	Floor plans are provided for Phase 1B townhomes; Phase 2 Baseline – same as 1B	Yes	
Minimum Distance between Buildings (Sec. 4.82.2.d)	10 ft.	32 ft.	Yes	
Building Setbacks (Sec. 4.82.2.e)	- 15ft. minimum, unless conflicts with corner clearance	15 ft from ROW shown for residential buildings fronting on 11 Mile	Yes	
Parking Setbacks Off-street Parking (Sec. 4.82.2.f)	10 ft. minimum from any wall of any dwelling structure, which contains openings involving living areas;	Meets requirement	Yes	Residential dwelling are subject to this section, not Sec. 3.1.26.
	5 ft. from any wall with no openings	Meets	Yes	
	10 ft. from any ROW (includes drives and loading)	Meets	Yes	

Item	Required Code	Proposed	Meets Code	Comments
	5 ft. from all other property lines	Meets	Yes	
	30 ft. from property lines adjacent to Single family homes	Not applicable	NA	
Business and Office Uses (Sec. 4.82.3)	<ul> <li>Not occupy same floor as residential</li> <li>No office use above a residential use</li> <li>Separate entrance, private pedestrian entrance to residential shall be provided</li> </ul>		NA	
Parking Location (Sec. 4.82.5)	Off-street parking shall be provided within a building, parking structure physically attached, or designed off-street parking within 300 ft. of building.	Off-street proposed on- street, surface parking and individual unit garages	Yes	
<b>Usable Open Space</b> (Sec. 4.82.6)	Usable Open Space is defined as balconies, courts and yards that are private recreational uses, and no dimension is less than 50 ft. 200 sq. ft. per dwelling unit 200 x 68 = 13,600 sq. ft. Or 0.31 acre	Usable open space shown on sheet L203 appears to comply with requirement 0.52 acre open space proposed	Yes	
For purpose of determ bedroom as follows: 1 The applicant needs to	ining compliance, the min BR- 500 SF min; 2 BR- 750 S o provide the unit mix prop	imum square footages are F min; 3 BR – 750 SF min; 4 posed. The applicant has p	e associa + BR- 1,(	000 SF min ;
	nt : Mixed Use Guidelines(Se	ec. 4.82.2)	1	
Efficiency-400	1	Not proposed	NA	All units proposed exceed requirements. Phase 2 Max.
1 BR: 500 sq. ft.	2	Not proposed	NA	Density units not shown
2 BR: 750sq. ft.	3	3	Yes	
3 BR: 900 sq. ft.	4	Not proposed	NA	
4 BR: 1000 sq. ft.	5	Not proposed	NA	
Maximum Density: Mix	ked Use Guidelines(Sec. 4.8	32.2)		
Efficiency-400		Proposed density Phase	Yes	Density for residential

Item	Required Code	Proposed	Meets Code	Comments
1 BR: 500 sq. ft.	27.3 DUA (a)	1: 4.8 DUA (68 units/14.3		dwellings in TC-1 is based on
2 BR: 750sq. ft.	18.15 DUA	ac)		the maximum number of rooms allowed.
3 BR: 900 sq. ft.	13.61 DUA	Allowable Density: 18		
4 BR: 1000 sq. ft.	10.89 DUA	DUA; Allowable density is calculated based on maximum number of rooms allowed for this property (779 rooms) and unit type		
Maximum Percentag	ge of Units : Mixed Use Gu	idelines(Sec. 4.82.2)		
Efficiency-400	5%	Not proposed		
1 BR: 500 sq. ft.	50%	0		
2 BR: 750sq. ft.	100%	100	Yes	
3 BR: 900 sq. ft.	100%	0		
4 BR: 1000 sq. ft.	100%	0		
Minimum Off-street	parking per unit: Mixed Us	e Guidelines(Sec. 4.82.2)		•
Efficiency-400	1 per unit	<u>Phase 1B:</u> 68 units @ 2		Shared parking study
1 BR: 500 sq. ft.	1 per unit	spaces <b>Total 136 spaces</b>		provided for overall project site to justify request for
2 BR: 750sq. ft.	2 per unit	required	No	reduction in required
3 BR: 900 sq. ft.	2 per unit	36 Surface spaces 81 Garage spaces		parking
4 BR: 1000 sq. ft.	2 per unit	Total 117 spaces proposed <u>Phase 2 Base:</u> 70 units @ 2 spaces <b>Total 140 spaces</b> <b>required</b> Total 148 spaces proposed		
Parking, Loading, an	d Dumpster Requirements	(5.3 site specific review requ	uired)	•
Required Parking Calculation (Sec. 5.2.12) (Sec. 4.82.2) *Shared parking agreement	Shopping Center 1 per 250 sq. ft. of gla 227,948 / 250 = 911 spaces <u>Hotel</u> 1 for each unit, plus 1 f each employee, plus accessory uses	107 surface spaces proposed	Yes?	Shared parking study provided to justify reduction of parking required for Phase 1 and at build-out of Phase 2.
	Res. Mixed-Use Development Rm count 1-2 = 1 space	ResidentialDevelopment0 On-street		

Item	Required Code	Proposed	Meets Code	Comments
	Rm count 3-5 = 2 spaces 81 total spaces required	81 garage 38 surface parking		
Parking Space Dimensions and Maneuvering Lanes (Sec. 5.3.2)	<ul> <li>90° Parking: 9 ft. x 19 ft.</li> <li>24 ft. two way drives</li> <li>9 ft. x 17 ft. parking spaces allowed as long as detail indicates a 4" curb at these locations</li> <li>60° 9 ft. x 18 ft.</li> </ul>	<ul> <li>9 ft. x 17 ft. parking spaces allowed as long as detail indicates a 4" curb at these locations</li> <li>60° 9 ft. x 18 ft.</li> <li>9 ft. x 19 ft. spaces</li> <li>20 ft 2-way drives</li> </ul>	No	Deviation requested for 20 ft drive aisles – 22 feet required when not adj to parking Deviation requested for 22 ft drive aisles – 24 feet required adj to parking
Parking lot entrance offset (Sec. 5.3.6)	Parking lot entrances must be set back 25' from any single-family residential district.	Not applicable	NA	
End Islands (Sec. 5.3.12)	<ul> <li>End Islands with landscaping and raised curbs are required at the end of all parking bays that abut traffic circulation aisles.</li> <li>The end islands shall generally be at least 8 ft. wide, have an outside radius of 15 ft., and be constructed 3 ft. shorter than the adjacent parking stall</li> </ul>		Yes	Refer to traffic review for additional comments.
Parking stall located adjacent to a parking lot entrance (public or private) (Sec. 5.3.13)	<ul> <li>Shall not be located closer than twenty-five (25) feet from the street right-of-way (ROW) line, street easement or sidewalk, whichever is closer</li> </ul>	Parking near future building E appears close	No?	
Barrier Free Spaces Barrier Free Code *No deviations since this is a Michigan	Residential Portion: A total of 2% of required parking. 96 x 2% = 2 required	<u>Residential</u> <u>Development</u> 3 barrier free (1 van accessible)	Yes	
Building Code	376 spaces for	<u>Commercial</u>		

Item	Required Code	Proposed	Meets Code	Comments
requirement	commercial portion requires: 6 barrier free (2 van accessible)	20 barrier free (8 van accessible)		
Barrier Free Space Dimensions Barrier Free Code	<ul> <li>8' wide with an 8' wide access aisle for van accessible spaces</li> <li>8' wide with a 5' wide access aisle for regular accessible spaces</li> </ul>	Spaces are distributed into 6 locations, appear to have at least 1 van accessible at each Dimensions appear to comply	Yes	Additional barrier free spaces will be required with Phase 2; Number to be provided in parking garage determined by # spaces within the garage
Barrier Free Signs Barrier Free Code	One sign for each accessible parking space.	Signs indicated	Yes	
Minimum number of Bicycle Parking (Sec. 5.16.1)	<u>Multiple-Family:</u> 1 for each 5 dwellings 68/5 = 14 bike spaces <u>Retail/Shopping Center:</u> Five (5) percent of required automobile spaces 376 spaces * 5% = 19 bike spaces	Residential portions: 14 spaces proposed Commercial: 19 spaces proposed	Yes	<u>Future phases will need to</u> <u>provide additional spaces:</u> <u>to be determined and</u> <u>verified at the time of</u> <u>Preliminary Site Plan</u> <u>submittal</u>
	Total = 33 bike spaces			
Bicycle Parking General requirements (Sec. 5.16)	<ul> <li>No farther than 120 ft. from the entrance being served</li> <li>When 4 or more spaces are required for a building with multiple entrances, the spaces shall be provided in multiple locations</li> <li>Spaces to be paved</li> </ul>	Multiple bike rack locations indicated To be verified at the time of PSP submittal Appear to be provided	Yes Yes	Phase 2 bike parking not indicated at this time – see comment above
	<ul> <li>- spaces to be paved and the bike rack shall be inverted "U" design</li> <li>- Shall be accessible via 6 ft. paved sidewalk</li> <li>- When 20 or more bicycle parking spaces are required, 25% shall be covered spaces.</li> </ul>	Covered spaces not indicated	Yes	
Bicycle Parking Lot layout (Sec 5.16.6)	Parking space width: 6 ft. One tier width: 10 ft. Two tier width: 16 ft. Maneuvering lane	To be determined at the time of PSP submittal		

Item	Required Code	Proposed	Meets Code	Comments
	width: 4 ft. Parking space depth: 2 ft. single, 2 ½ ft. double			
Loading Space Area (Sec. 5.4.2)	<ul> <li>Within TC zoning, loading space shall be provided in the rear yard (or in the interior side yard beyond the side yard setback for double frontage lots) in the ratio of 10 sq. ft. per front foot of building. Layout shall not cut off or diminish access to off- street parking spaces or service drives.</li> <li>Example: For 100 ff building, 1000 sf of loading area is required for residential and commercial buildings</li> </ul>	Phase 1 loading area locations meet requirements for location in rear yard or interior side yard. 4 areas are indicated as loading zones on sheet C-2.1: • Area A1 + A2: 1,320 sf + 475 = 1,795 < 1,800 sf required • Area B: 644 sf > 620 sf required • Area C: 1,300 sf < 2,000 sf required No loading zone areas are given for Phase 2 Max. Build-out option – locations shown on sheet C-2.3: • Building E: No loading zone • Building F: Loading area shared with building A? • Building G: layout of loading area diminishes access to parking spaces • Building H: located in front yard	No	Loading areas seem to include area where dumpster is present, which is not allowed. Area occupied by dumpster shall be excluded from loading area. <u>Deviations needed for</u> deficiency in loading area requirements for Loading areas A,B, C <u>Deviations requested for</u> location of loading areas (Building H: front yard) in Phase 2 Max Build-out option. Building G location conflicting with parking spaces. Lack of loading areas for Buildings E & F. Size of loading areas would be expected to meet ordinance standards for Phase 2 if deviations not requested; or PRO Agreement would need to be amended at later date
Loading Space Screening (Sec. 5.4.2 B)	Loading area must be screened from view from adjoining properties and from the street.	Loading areas (A, B & C) screened with bamboo plantings – others do not appear to be screened	No?	Refer to landscape plan for additional comments. <u>Waiver or deviations</u> required if proper screening in not proposed
<b>Dumpster</b> Sec 4.19.2.F	<ul> <li>Located in rear yard</li> <li>Attached to the building or no closer than 10 ft. from building if not attached</li> <li>Not located in parking setback (20 ft.)</li> </ul>	Phase 1A dumpster locations appear to be acceptable. Will be confirmed at the time of PSP submittal. No dumpsters in Phase 1B area	Yes?	Clarify trash collection plans for Phase 1B if no dumpsters are provided Deviations may be required for placement of some dumpsters in Phase 2

ltem	Required Code	Proposed	Meets Code	Comments
	<ul> <li>Rear lot abuts ROW, 50 ft. setback required.</li> <li>Away from Barrier free Spaces</li> </ul>			
<b>Dumpster Enclosure</b> Sec. 21-145. (c) Chapter 21 of City Code of Ordinances	<ul> <li>Screened from public view</li> <li>A wall or fence 1 ft. higher than height of refuse bin</li> <li>And no less than 5 ft. on three sides</li> <li>Posts or bumpers to protect the screening</li> <li>Hard surface pad.</li> <li>Screening Materials: Masonry, wood or evergreen shrubbery</li> </ul>	Details provided – see façade review for comments	Yes	Appear to comply with façade ordinance – will confirm at the time of site plan approval

Parking, Handicap Parking and Bike Requirements

Staff is unable to make a determination based on the missing information. Information provided below is what was provided based on assumptions made in the traffic and parking study and compares to weekend peak demand numbers.

Required Parking Calculation	Phase 1 Required per Use	Parking Study Peak Demand	Shared Parking Study indicates 438 spaces
(Sec. 5.2.12) (Sec. 4.82.2)	Retail 4,508sf/200 = <u>23</u>	15	needed for peak demand, Including 10% "Effective Supply"
See Individual	Market 26,500sf/200 = <u>133</u>	90	
requirements below	Quality Restaurant 7,460sf/70 = <u>106</u>	122	
	Sit-Down Restaurant 4,505/70 = <u>64</u>	48	
	Fast Casual Restaurant 4,532/70 = <u>65</u>	36	
	Residential Buildings 68 units x 2 ea = <u>136</u>	87	
	Total Ordinance Required: 570 Spaces	TOTAL PROPOSED: 446 Spaces	
	+ Phase 2 Max Density Required per Use	Parking Study Peak Demand	Total number of parking spaces to be provided in
	Retail 16,508 sf/200 = <u>83</u>	62	Phase 2 not given. Parking Study indicates peak demand would require 885
	Market	78	spaces (includes 10%

ltem	Required Code	Proposed	Meets Code	Comments
	26,500sf/200 = <u>133</u>			effective supply)
	Quality Restaurant 7,460sf/70 = <u>106</u>	122		
	Sit-Down Restaurant 12,505/70 = <u>178</u>	107		
	Fast Casual Restaurant 10,532sf/70 = <u>150</u>	105		
	Residential Units 116 units x 2 ea = <u>232</u>	129		
	Hotel (120 rms x 1) + 5 employees = <u>125</u>	46		
	Office 58,000sf/222 = <u>261</u>	146		
	Spa 25,000sf/ ?? (provide additional information)	48		
	Total Ordinance Required: 1,311+ Spaces	TOTAL PROPOSED: "TBD based on use"		Includes 10% "Effective Supply"
Lighting and Photom	netric Plan (Sec. 5.7)			
when the site is not a	abutting a residential district.			l at the time of Final Site Plan ed and included as part of the
Intent (Sec. 5.7.1)	Establish appropriate minimum levels, prevent unnecessary glare, reduce spill-over onto adjacent properties & reduce unnecessary transmission of light into the night sky		Yes	
Lighting Plan (Sec. 5.7.2 A.i)	Site plan showing location of all existing & proposed buildings, landscaping, streets, drives, parking areas & exterior lighting fixtures	Building outlines, pavement shown for Phase 1A & B only	Yes	Ensure light fixtures will not conflict with landscaping/utilities
Building Lighting (Sec. 5.7.2.A.iii)	Relevant building elevation drawings	Not provided	No	Would be expected to conform to ordinance

Item	Required Code	Proposed	Meets Code	Comments
	showing all fixtures, the portions of the walls to be illuminated, illuminance levels of walls and the aiming points of any remote fixtures.			standards at the time of FSP approval <u>unless deviations</u> <u>are identified now</u>
Lighting Plan (Sec.5.7.2 A.ii)	Specifications for all proposed & existing lighting fixtures	Appear to be Provided	Yes	
	Photometric data	Provided	Yes	
	Fixture height	Not provided	No	
	Mounting & design	Provided	Yes	
	Glare control devices	Provided	Yes	
	Type & color rendition of lamps	Provided	Yes	
	Hours of operation	Not provided	No	
Required Conditions (Sec. 5.7.3.A)	Light pole height not to exceed maximum height of zoning district (65 ft. for TC)		NA	Light pole height not currently provided – will be reviewed in PSP submittal
<b>Required Conditions</b> (Sec. 5.7.3.B&G)	<ul> <li>Electrical service to light fixtures shall be placed underground</li> <li>Flashing light shall not be permitted</li> <li>Only necessary lighting for security purposes &amp; limited operations shall be permitted after a site's hours of operation</li> </ul>			Provide standard notes on Plan or incorporate into PRO Conditions
Security Lighting (Sec. 5.7.3.H) Lighting for security purposes shall be directed only onto the area to be secured.	<ul> <li>All fixtures shall be located, shielded, and aimed at the areas to be secured.</li> <li>Fixtures mounted on the building and designed to illuminate the facade are preferred.</li> </ul>			will be reviewed in PSP submittal
Required Conditions (Sec.5.7.3.E)	Average light level of the surface being lit to the lowest light of the surface being lit shall not	No indicated for residential portion	No	Deviation requested. Applicant has not proposed lighting in residential parking areas, which is

ltem	Required Code	Proposed	Meets Code	Comments
	exceed 4:1			required. Lighting plan should be revised to meet the minimum illumination levels indicated below
Required Conditions (Sec. 5.7.3.F)	Use of true color rendering lamps such as metal halide is preferred over high & low pressure sodium lamps	LEDs proposed	Yes	
Min. Illumination (Sec. 5.7.3.K)	Parking areas: 0.2 min	0.0 proposed in Phase 1B	No	General parking areas expected to comply with min. requirements
	Loading & unloading areas: 0.4 min	Phase 1A - lighting behind building A/loading are not shown	No	Provide lighting data behind building A
	Walkways: 0.2 min	0.0 min noted in several locations	No	Some areas of the public walkway are not illuminated
	Building entrances, frequent use: 1.0 min	Front of building C – lighting below min levels	No	Adjust lighting to meet min levels
	Building entrances, infrequent use: 0.2 min	Photometrics not shown for some door locations	No	Provide lighting data at all commercial door locations
Max. Illumination adjacent to Non- Residential (Sec. 5.7.3.K)	When site abuts a non- residential district, maximum illumination at the property line shall not exceed 1 foot candle	Photometrics not shown for property line	No	Show property line on plans to verify conformance
Cut off Angles (Sec. 5.7.3.L)	<ul> <li>When adjacent to residential districts:</li> <li>All cut off angles of fixtures must be 90°</li> <li>maximum illumination at the property line shall not exceed 0.5 foot candle</li> </ul>	No residential districts adjacent	NA	
Building Code and Oth	ner Requirements			
Accessory Structures (Sec. 4.19)	-Each accessory building shall meet all setback requirements for the zoning district in which the property is situated -Shall meet the façade ordinance standards		NA	Tea house near pond will be considered an accessory structure, as will generators, transformers, etc.

Item	Required Code	Proposed	Meets Code	Comments
Exterior Building Wall Façade Materials (Sec. 5.15) (Sec. 3.27.1.G)	Façade Region: 1	Elevation drawings submitted for some of the buildings	No	See Façade review for additional comments and further detail
Roof top equipment and wall mounted utility equipment Sec. 4.19.2.E.ii	All roof top equipment must be screened and all wall mounted utility equipment must be enclosed and integrated into the design and color of the building	Elevations are not provided for all units	No	<u>This information can be</u> <u>provided at the time of</u> <u>Preliminary site plan that</u> <u>conforms to the code</u>
Building Code	Building exits must be connected to sidewalk system or parking lot.	Sidewalks not shown on the plans	No	<u>This information can be</u> <u>provided at the time of</u> <u>Preliminary site plan that</u> <u>conforms to the code</u>
Design and Construction Standards Manual	Land description, Sidwell number (metes and bounds for acreage parcel, lot number(s), Liber, and page for subdivisions).	Provided	Yes	MUST provide proposed lot lines on the plans
General layout and dimension of proposed physical improvements	Location of all existing and proposed buildings, proposed building heights, building layouts, (floor area in square feet), location of proposed parking and parking layout, streets and drives, and indicate square footage of pavement area (indicate public or private).	Some provided;	Yes	Refer to review letters for missing information
Economic Impact	<ul> <li>Total cost of the proposed building &amp; site improvements</li> <li>Number of anticipated jobs created (during construction &amp; after building is occupied, if known)</li> </ul>	Provided	No	Should be submitted prior to Planning Commission meeting
Signage See link below <u>(Chapter 28, Code of</u> <u>Ordinances)</u>	<ul> <li>Signage if proposed requires a permit.</li> <li><u>Signage is not</u> regulated by the Planning Commission</li> </ul>	The current site plan drawings indicate signage areas on some of the elevations provided – however	No	Provide details of deviations requested. Blank check deviations will not be recommended for approval.

Item	Required Code	Proposed	Meets Code	Comments
	or Planning Division.	most dimensions are missing Deviation requested up to 200% of current Sign ordinance allowance		
Property Address	The applicant should contact the Building Division for an address prior to applying for a building permit.	One is not required at this time. Individual lot address would require separate addresses at a later time	No	<u>Submit address application</u> <u>after Final Site Plan</u> <u>approval.</u>
Project and Street Naming Committee	Some projects may need approval from the Street and Project Naming Committee.	The applicant requested Sakura Novi project name. Approved by committee	Yes	Contact Madeleine Kopko at 248-347-0579 for more information on application and process
Property Split/Combination	The proposed property split/combination must be submitted to the Assessing Department for approval.	Lot combination required	No	Lot combination/split required prior to final site plan approval. Contact Assessing 248-347-0492
Master Deed	Master Deed should be approved for site condominiums prior to stamping set approval		NA	Applicant states commercial portion will remain under single landlord ownership
Easements	<ul> <li>Utilities</li> <li>Emergency/Cross- Access Easements</li> <li>Conservation Easements</li> <li>ROW dedication</li> <li>Etc.</li> </ul>	Easement plan submitted	Yes?	Conservation easement will be required for any wetland mitigation areas or woodland replacement trees; Access easements for Ecco Tool property if properties are connected

#### NOTES:

1. This table is a working summary chart and not intended to substitute for any Ordinance or City of Novi requirements or standards.

2. The section of the applicable ordinance or standard is indicated in parenthesis. Please refer to those sections in Article 3, 4, and 5 of the zoning ordinance for further details.

3. Please include a written response to any points requiring clarification or for any corresponding site plan modifications to the City of Novi Planning Department with future submittals.

# Introduction

3.1.18



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Zoning Districts

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## I-1 Light Industrial District

User Note: For uses listed in bold blue, refer to Article 4, or click on use, for use-specific standards

- PRINCIPAL PERMITTED USES B.
- i. Professional office buildings, offices and office sales and service activities
- ii. Accessory buildings, structures and uses customarily incident to the above §4.19 permitted uses
- iii. Publicly owned and operated parks, parkways and outdoor recreational facilities
- iv. Public or private health and fitness facilities and clubs §4.34
- V. Medical offices, including laboratories and clinics

The following uses are subject to Section 4.45:

- vi. Research and development, technical training and design of pilot or experimental products
- vii. Data processing and computer centers
- viii. Warehousing and wholesale establishments 84.43
- ix. Manufacturing §4.43
- Industrial office sales, service and industrial Χ. office related uses §4.44
- xi. Trade or industrial schools
- xii. Laboratories experimental, film or testing §4.43
- xiii. Greenhouses
- xiv. Public utility buildings, telephone exchange buildings, electrical transformer stations and substations, and gas regulator stations, other than outside storage and service yards
- xv. Public or private indoor recreation facilities
- xvi. Private outdoor recreational facilities
- xvii. Pet boarding facilities §4.46
- xviii.Veterinary hospitals or clinics \$ \$4.31
- xix. Motion picture, television, radio and photographic production facilities §4.47
- xx. Other uses of a similar and no more objectionable character to the above uses
- xxi. Accessory buildings, structures and uses §4.19 customarily incident to any of the above permitted uses

SPECIAL LAND USES C.

The following uses shall be permitted where the proposed site does not abut a residentially zoned district:

- i. Metal plating, buffing, polishing and molded rubber products §4.48
- ii. Uses which serve the limited needs of an industrial district (subject to Section 4.43), as follows:
  - a. Financial institutions, unions, union halls, and industrial trade schools or industrial clinics
  - b. Industrial tool and equipment sales, service, storage and distribution
  - Eating and drinking establishments and C. motels 4.49
- iii. Automobile service establishment [2] §4.50
- iv. Self-storage facilities §4.51
- V. Retail sales activities §4.52
- vi. Central dry cleaning plants or laundries §4.53
- vii. Railroad transfer, classification and storage yards §4.43
- viii. Tool, die, gauge and machine shops §4.43
- ix. Storage facilities for building materials, sand, gravel, stone, lumber, storage of contractor's equipment and supplies §4.54
- x. Municipal uses §4.43
- xi. Motion picture, television, radio and photographic production facilities §4.47
- xii. Outdoor space for parking of licensed rental motor vehicles §4.90
- xiii. Accessory buildings, structures and uses customarily incident to any of the above permitted uses









 $\mathbf{Z}$  Definitions

Zoning Districts

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Standards

4

Use

### **OS-1** Office Service District

#### A. INTENT

3.1.21

The OS-1, Office Service District is designed to accommodate uses such as offices, banks, facilities for human care and personal services which can serve as transitional areas between residential and commercial districts and to provide a transition between major thoroughfares and residential districts.

#### User Note: For uses listed in **bold blue**, refer to Article 4, or click on use, for use-specific standards

#### B. PRINCIPAL PERMITTED USES

- i. Professional office buildings
- ii. Medical office, including laboratories and clinics

#### iii. Facilities for human care §4.64

- iv. Financial institution uses with drive-in facilities as an accessory use only
- v. Personal service establishments
- vi. Off-street parking lots
- vii. Places of worship
- viii. Other uses similar to the above uses
- ix. Accessory structures and uses \$4.19 customarily incident to the above permitted uses
- x. Publicly owned and operated parks, parkways and outdoor recreational facilities
- xi. Public or private health and fitness facilities and clubs §4.34

#### C. SPECIAL LAND USES

- i. Mortuary establishments §4.17
- ii. Publicly owned buildings, telephone exchange buildings, and public utility offices, but not including storage yards, transformer stations, or gas regulator stations
- iii. Day Care Centers and Adult Day Care Centers \$4.12.2
- iv. Public or private indoor and private outdoor recreational facilities §4.38
- v. An **accessory use** §4.19 customarily related to a use authorized by this Section











Definitions

Zoning Districts

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## <sup>3.1.22</sup> OSC Office Service Commercial District

#### A. INTENT

The OSC, Office Service Commercial district is designed and intended to accommodate a large office building or, more particularly, a planned complex of office buildings with related commercial retail and service establishments which may serve the area beyond the confines of the office complex itself.

The primary intent of this district is to provide limited areas for office buildings of greater height and more intense land use activity in an otherwise low-density community. Because of the greater building height, intensity of land use and associated higher volumes of vehicular and pedestrian traffic, it is further intended that this district be located only in proximity to areas of major commercial or civic development and have direct access to freeway or major thoroughfares.

The OSC district is designed to encourage the combining of mid-rise and low-rise office and office related uses in planned development and to encourage innovation and variety in type, design and arrangement of such uses.

#### User Note: For uses listed in **bold blue**, refer to Article 4, or click on use, for use-specific standards

#### B. PRINCIPAL PERMITTED USES

- i. Professional office buildings
- ii. Medical office, including laboratories and clinics
- iii. Facilities for human care §4.64
- iv. Financial institution uses with drive-in facilities as an accessory use only
- v. Personal service establishments
- vi. Off-street parking lots
- vii. Places of worship
- viii. Other uses similar to the above uses
- ix. Publicly owned and operated parks, parkways and outdoor recreational facilities
- x. Professional office buildings, offices and office sales and service
- xi. Transient residential uses
- xii. Public utility offices and telephone exchange buildings
- xiii. Accessory buildings, structures and uses §4.19 customarily incident to the above permitted uses
- xiv. The inpatient bed facility portion of general hospitals §4.65
- xv. Public or private health and fitness facilities and clubs §4.34

#### C. SPECIAL LAND USES

- i. Retail commercial business uses §4.66
- ii. Sit-down restaurants S §4.41.3
- iii. Amusement and entertainment uses §4.67
- iv. Day care centers, and adult day care centers \$4.12.2
- v. Public or private indoor and private outdoor recreational facilities §4.38



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**5** Site Standards



Admin and Enforcement Purpose and Introduction

 $\mathbf{Z}$  Definitions

Zoning Districts

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Use Standards

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Site Standards

## TC-1 Town Center - 1 District

#### A. INTENT

The TC-1, Town Center district is designed and intended to promote the development of a pedestrian accessible, commercial service district in which a variety of retail, commercial, office, civic and residential uses are permitted. Each use shall be complementary to the stated function and purpose of the district and shall not have adverse impact upon adjacent street capacity and safety, utilities, and other City services.

The TC-1 Town Center district is further designed and intended to discourage the development of separate off-street parking facilities for each individual use, and to encourage the development of off-street parking facilities designed to accommodate the needs of several individual uses. Furthermore, it is recognized that uses which have as their principal function the sale or servicing of motor vehicles, such as automobile service establishments, car washes, or new and used motor vehicle sales or service establishments, and drive-in restaurants and restaurants with drive-through facilities, have a disruptive effect on the intended pedestrian orientation of the districts.

The TC-1 District is especially designed to encourage developments of an urban "Main Street" with mixed land uses and shared parking. Flexible regulations regarding streetscape design, landscape design, provision of parking facilities, architectural and facade design, residential dwelling units, and setback standards are intended.

User Note: For uses listed in **bold blue**, refer to Article 4, or click on use, for use-specific standards

- B. PRINCIPAL PERMITTED USES
- i. Retail businesses §4.78.3
- ii. Retail business service uses  $\square$
- iii. Dry cleaning establishments, or pick-up stations, dealing directly with the consumer  $_{\S^{4,24}}$
- iv. Business establishments which perform services on the premises
- v. Professional services  $\square$
- vi. Post office and similar governmental office buildings, serving persons living in the adjacent residential area
- vii. Off-street parking lots
- viii. Private clubs , fraternal organizations and lodge halls
- ix. Places of worship §4.10
- x. Retail business A §4.27
- xi. Service establishments of and office showroom or workshop nature §4.27
- xii. Restaurants (sit-down), banquet facilities or other places serving food or beverage §4.27
- xiii. Theaters, assembly halls, concert halls, museums or similar places of assembly §4.27
- xiv. Business schools and colleges or private schools operated for profit §4.27
- xv. Offices and office buildings
- xvi. Public and quasi-public
- xvii. Indoor commercial recreation facilities

- B. PRINCIPAL PERMITTED USES (continued)
- xviii.Outdoor theaters, plazas, parks, public gathering places, including those along a river walk, and like public facilities
- xix. Hotels
- xx. Financial institutions §4.81
- xxi. Residential dwellings §4.82
- xxii. Day care centers and adult day care centers \$4.12.2
- xxiii.Instructional Centers
- xxiv.Other uses similar to the above uses subject to conditions noted
- xxv. Accessory structures and uses \$4.19 customarily incidental to the above permitted uses
- C. SPECIAL LAND USES

The following uses shall be permitted by the City Council, following review and recommendation of the Planning Commission:

- i. Open air business uses §4.80.1
- ii. Sale of produce and seasonal plant materials outdoors §4.30
- iii. Veterinary hospitals or clinics S4.31
- iv. Fast food drive-through restaurants III §4.40
- v. Microbreweries S4.35
- vi. Brewpubs 🚇 §4.35

Enforcement

Admin and



**ENGINEERING REVIEW** 



# PLAN REVIEW CENTER REPORT

October 22, 2019

# **Engineering Review**

Sakura Way PRO JZ19-0031

# **Applicant**

Sakura Novi, LLC

# **Review Type**

PRO Concept Plan

# **Property Characteristics**

- Site Location: North of Grand River Avenue, East of Town Center Drive
- Site Size: 15.59 Acres
- Plan Date:
  - October 2, 2019
- Design Engineer: PEA, Inc.

# Project Summary

Phase 1 (12.75 acres): Construction of mixed-use buildings (30,000 s.f. market, 5 restaurants, and 4 retail spaces), 68 townhomes, and associated parking.

Phase 2 (2.75 acres): The baseline option would allow for the construction of 70 townhomes. The maximum buildout option would allow for the construction of a hotel, mixed use buildings (retail/office space, a spa, apartments and restaurants), and a parking structure.

Phase 3 (3.50 acres): Construction of 52 townhomes and associated parking.

Site access to phases 1 and 2 would be provided via Grand River Avenue and Eleven Mile Road. Site access to phase 3 would be provided via Eleven Mile Road.

- Water service would be provided by an 8-inch extension from the existing 12-inch water main along the north side of 11 Mile Road. The aforesaid water main extension will have two (2) connections to 11 Mile Road to provide a looped water main system on the proposed site.
- Sanitary sewer service would be provided by an 8-inch extension from the existing 8inch sanitary sewer along the south side of 11 Mile Road.
- Storm water would be collected by two (2) separate storm sewer collection systems (detention basins). The western detention basin would be discharged to existing 12inch storm sewer along the north side of Grand River Avenue at a controlled rate. The eastern detention basin would be discharged to a wetland on the abutting parcel to the east owned by the city of Novi.

# Engineering Review of PRO Revised Concept Plan

Sakura Way JZ19-0031

# <u>Recommendation</u>

Approval of the Revised Concept Plan and Revised Concept Storm Water Management Plan for **phases 1 and 2 only is recommended for approval** with items to be addressed during detailed design review. Phase 3 is not recommended for approval because there is no mention of storm water management.

# Comments:

The Revised Concept Plan for phases 1 and 2 only meet the general requirements of the design and construction standards as set forth in Chapter 11 of the City of Novi Codified Ordinance, the Storm Water Management Ordinance and the Engineering Design Manual with the following items that must be addressed at the time of Preliminary Site Plan submittal:

# <u>General</u>

- 1. Reference benchmarks established at intervals no greater than 1,200 feet shall be noted on the plans with identification, location, description and established elevation listed. Generally, at least two benchmarks shall be noted on each sheet and one of the two shall be a City established benchmark.
  - a. Provide the elevation of the City established benchmark.
  - b. Reference at least two benchmarks.
- 2. No utility information was presented for phases 2 or 3. Thus, no specific utility comments for these phases have been provided.
- 3. For all non-residential development, a Non-Domestic User Survey form must be submitted to the City so it can be forwarded to Oakland County.
- 4. Provide a note stating, "If dewatering is anticipated or encountered during construction a dewatering plan must be submitted to the Engineering Department for review".
- 5. Generally, all proposed trees shall remain outside utility easements. Where proposed trees are required within a utility easement, the trees shall maintain a minimum 5-foot horizontal separation distance from any existing or proposed utility.
- 6. Provide soil borings, at the time of detailed site plan review, in the vicinity of the storm water basins to determine soil conditions and to establish the high water elevation of the groundwater table.
- 7. The master planned half width right-of-way for Eleven Mile Road is 35 feet. There is a note on the plans indicating the dedication of this right-of-way to the City.
- 8. The master planned half width right-of-way for Grand River Avenue is 60 feet. There is a note on the plans indicating the dedication of this right-of-way to the City.
- 9. A letter from either the applicant or the applicant's engineer must be submitted with the Preliminary Site Plan submittal highlighting the changes made to the plans addressing each of the comments in this review.

# <u>Water Main</u>

- 10. It is assumed that the 12-inch water main could be reasonably extended from the north side of Eleven Mile to service phase 2.
- 11. It is assumed that the 8-inch water main on the west side of parcel 22-23-229-007 could be extended to service phase 3.
- 12. The as-builts from Advance Auto (parcel 50-22-23-126-015) do not indicate that 8-inch water main was stubbed at the western boundary of their property. A revision to this proposed water main connection may be necessary.
- 13. Note the diameter and length of all leads (domestic, fire and hydrant leads).
- 14. Any hydrant lead over 25 feet long must be 8-inches in diameter.
- 15. There is a gate valve shown on sheet C-5.1 between building 10 and building 'A' that does not appear to be associated with any water main. If this is an error, please remove it from the plans.
- 16. Provide profile views for all proposed water main 8-inch and larger.
- 17. Once the water man plans have been reviewed in detail and approved, provide three (3) signed and sealed sets of utility plans along with the MDEGLE permit application (04/2019 rev.) for water main construction. The Streamlined Water Main Permit Checklist should be submitted to the Engineering Division for review, assuming no further design changes are anticipated. Utility plan sets shall include only the cover sheet, any applicable utility sheets and the standard detail sheets.

#### Sanitary Sewer

- 18. It is assumed that the 8-inch water main could be reasonably extended from the south side of Eleven Mile to service phase 2.
- 19. It is assumed that the 8-inch sanitary sewer on the west side of parcel 22-23-229-007 could be extended to service phase 3.
- 20. According to the City's records, the sanitary sewer along Eleven Mile Road Is a 27-inch sewer, not 8-inch. See attached map. A revision to the sanitary sewer layout may be necessary.
- 21. Phase 1, building 'B' is proposed to be a restaurant. Therefore, a grease interceptor is required and should be called out.
- 22. A few of the sanitary sewer leads are missing a label and sizing information. Clearly provide and label a lead to every building.

a. Building 6 is missing a sanitary lead.

- 23. Clearly label each sanitary sewer monitoring manhole unique to a nonresidential building.
- 24. Provide profile views for all proposed sanitary sewer greater than 6-inches.
- 25. Once the sanitary sewer plans have been reviewed in detail and approved, provide three (3) sealed sets, as well as an electronic copy, of the utility plans along with the MDEGLE permit application (01/18 rev.) for sanitary sewer construction and the Streamlined Sanitary Sewer Permit Certification

Checklist. These documents shall be submitted to the Engineering Division for review, assuming no further design changes are anticipated. Utility plan sets shall include only the cover sheet, any applicable utility sheets and the standard detail sheets. Please contact the MDEGLE and the City of Novi if an expedited review is desired.

# Storm Sewer

- 26. Provide a schedule listing the casting type and other relevant information for each proposed storm structure on the utility plan. Round castings shall be provided on all catch basins except curb inlet structures.
- 27. Provide storm sewer profiles and illustrate all pipes intersecting storm structures.
- 28. Show and label all roof conductors, and show where they tie into the storm sewer.
- 29. Provide a four-foot deep sump and an oil/gas separator in the last storm structures prior to discharge to each storm water basin.

### Storm Water Management Plan

30. The Storm Water Management Plan for this development shall be designed in accordance with the Storm Water Ordinance and Chapter 5 of the new Engineering Design Manual.

a. A storm water management plan for phase 3 is required.

- 31. Refer to the Wetland Review letter from ECT to address any concerns with the discharge of the eastern detention basin into the City owned wetland.
- 32. Provide release rate calculations for the three design storm events (first flush, bank full, 100-year).
- 33. Provide supporting calculations for the runoff coefficient determination.
  - a. The calculations should reflect the two different plans for phase 2, assuming the amount of impervious/pervious cover varies.
- 34. Label the material proposed for the maintenance access route to the basin outlet structures, and label the 15-foot width and slope (maximum of 1V:5H).
- 35. Provide an access easement from the public right-of-way for maintenance over the storm water detention system and the pretreatment structure.
- 36. A 25-foot vegetated buffer shall be provided around the perimeter of each storm water basin associated with residential development. A **deviation** from this standard would be supported by the Engineering Department if the buffer is not feasible and it should be included in the PRO Agreement.
- 37. If a 3-foot permanent pool is provided in the detention basin to the west, as indicated in the response letter, then a mechanical treatment unit is not required in the last structure prior to discharge to the basin.
- 38. Indicate where the mechanical treatment unit for the eastern basin can be found.
- 39. An emergency spillway must be provided at an elevation that is 6-inches above the 100-year elevation and must have sufficient capacity to convey the peak flow associated with a 100-year design storm.

# Paving & Grading

- 40. The maneuvering lane widths throughout the development shall be 24 feet wide. Any width less than that would be considered a **deviation**.
- 41. Provide existing and proposed contours for all phases on the Grading Plan.
- 42. The right-of-way sidewalk shall continue through the drive approach on Eleven Mile Road as well as Grand River Avenue. If like materials are used for each, the sidewalk shall be striped through the approach. Provide additional spot grades as necessary to verify the maximum 2-percent cross-slope is maintained along the walk.
- 43. Verify the slopes along the ingress/egress routing to the building from the barrier-free stalls. All barrier-free stalls shall comply with Michigan Barrier-Free regulations.
- 44. Provide top of curb/walk and pavement/gutter grades to indicate height of curb adjacent to parking stalls or drive areas.
  - a. Curbing and walks adjacent to the end of 17-foot stalls shall be reduced to 4-inches high (rather than the standard 6-inch height to be provided adjacent to 19-foot stalls).

### Soil Erosion and Sediment Control

45. A SESC permit is required. A full review has not been completed at this time. An informal review will be completed with the Final Site Plan if SESC plans are included in the submittal.

#### Off-Site Easements

- 46. Any off-site utility easements anticipated must be executed **prior to final approval of the plans**. If you have not already done so, drafts of the easements and a recent title search shall be submitted to the Community Development Department as soon as possible for review, and shall be approved by the Engineering Division and the City Attorney prior to executing the easements.
  - a. An off-site storm sewer easement may be necessary for the end section and discharge of storm water on the City of Novi's property (parcel 22-23-226-042).

#### The following must be provided at the time of Preliminary/Final Site Plan submittal:

- 47. A letter from either the applicant or the applicant's engineer <u>must</u> be submitted with the revised Preliminary Site Plan highlighting the changes made to the plans addressing each of the comments listed on this review letter <u>and indicating the revised sheets involved</u>.
- 48. An itemized construction cost estimate must be submitted to the Community Development Department for the determination of plan review and construction inspection fees. This estimate should only include the civil site work and not any costs associated with construction of the building or any demolition work. <u>The estimate must be itemized</u> for each utility (water, sanitary, storm sewer), on-site paving (square yardage), right-of-way paving

(including proposed right-of-way), grading, and the storm water basin (basin construction, control structure, pre-treatment structure and restoration).

## The following must be submitted at the time of Stamping Set submittal:

- 49. A draft copy of the Storm Drainage Facility Maintenance Easement Agreement (SDFMEA), as outlined in the Storm Water Management Ordinance, must be submitted to the Community Development Department. Once the agreement is approved by the City's Legal Counsel, this agreement will then be sent to City Council for approval/acceptance. The SDFMEA will then be recorded at the office of the Oakland County Register of Deeds. This document is available on our website.
- 50. A draft copy of the 20-foot wide easement for the water main to be constructed on the site must be submitted to the Community Development Department. This document is available on our website.
- 51. A draft copy of the 20-foot wide easement for the sanitary sewer to be constructed on the site must be submitted to the Community Development Department. This document is available on our website.
- 52. A draft copy of the 20-foot wide easement for the sanitary sewer monitoring manholes to be constructed on the site must be submitted to the Community Development Department. This document is available on our website.
- 53. A draft copy of the cross access easement for shared access to the drive aisle between Ecco Tool and Sakura Way must be submitted to the Community Development Department. This document is available on our website.
- 54. A draft copy of the warranty deed for the additional proposed right-of-way along Eleven Mile Road and Grand River Avenue must be submitted for review and acceptance by the City.

<u>Prior to preparing stamping sets</u>, the Applicant is advised to provide any revised sheets directly to the Engineering Division for an informal review and approval.

To the extent this review letter addresses items and requirements that require the approval of/or a permit from an agency or entity other than the City, this review shall not be considered an indication or statement that such approvals or permits will be issued.

Please contact Kate Richardson at (248) 347-0586 with any questions.

Kate Richardson, EIT Plan Review Engineer

cc: Lindsay Bell, Community Development Department Ben Croy, PE; Engineering Victor Boron, Engineering





LANDSCAPE REVIEW



# PLAN REVIEW CENTER REPORT October 22, 2019 RevisedPRO Concept Site Plan - Landscaping

Sakura Way

Review Type

Revised PRO Concept Landscape Review

<u>Job #</u> JZ19-0031

North: 11 Mile Road, I-1, East: I-1, B-3, South: B-3, Grand River, West:

# Property Characteristics

- Site Location:
- Site Zoning:
- Adjacent Zoning:
- Plan Date: 10/2/2019

TC

### **Ordinance Considerations**

This project was reviewed for conformance with Chapter 37: Woodland Protection, Zoning Article 5.5 Landscape Standards, the Landscape Design Manual and any other applicable provisions of the Zoning Ordinance. Items in **bold** below must be addressed and incorporated as part of the Preliminary Site Plan submittal. <u>Underlined</u> items must be addressed on Final Site Plans. Please follow guidelines of the Zoning Ordinance and Landscape Design Guidelines. This review and the accompanying Landscape Chart are summaries and are not intended to substitute for any Ordinance.

Northeast of Town Center and Grand River

OSC, OS-1, I-1, to be rezoned to TC-1

#### **Recommendation**

This project is **not recommended for approval for PRO Concept.** There are too many significant **deviations to recommend approval.** The comments noted below should be addressed prior to submittal for consideration by the Planning Commission and City Council.

# LANDSCAPE DEVIATIONS REQUIRED FOR PROPOSED CONFIGURATION:

#### PHASE 1

#### COMMERCIAL:

- Insufficient greenbelt landscaping. Not supported by staff.
- Insufficient interior parking lot landscaping area and canopy trees provided. Not supported by staff.
- Insufficient parking lot perimeter trees. Not supported by staff
- Lack of screening wall or berm for parking areas. Supported by staff
- Lack of building foundation landscaping. Not supported by staff. RESIDENTIAL:
- No buffering berms for multi-family housing provided between residential buildings and the B-3 and I-1 zoned properties. Not supported by staff as currently proposed.
- Lack of interior drive perimeter trees provided. Not supported by staff.
- Insufficient greenbelt width and berm between parking lot and 11 Mile Road. Supported by staff.
- Use of subcanopy trees for 25% of multifamily unit landscaping trees. Supported by staff.

# PHASE 2:

- Insufficient greenbelt landscaping. Not supported by staff.
- Insufficient parking lot trees. Not supported by staff.

#### PHASE 3:

• No landscaping is proposed – it is assumed that the Phase 3 landscaping will meet all landscape requirements or go back to Planning Commission/City Council for deviations for that phase.

Please add a summary table of all landscape deviations sought, the extent of those deviations (ie number of trees not planted) and justification for those deviations, to the landscape plans.

Wherever possible, the plans should be modified or enhanced to reduce and ideally remove as many deviations as possible.

#### General notes:

- As no landscape information is provided about Phase 3, it is assumed that all of that phase will meet all landscape requirements, including required landscaped screening berms, right-of-way landscaping, multi-family landscaping, parking lot landscaping and detention basin landscaping. If they do not, the PRO will need to be modified per whatever deviations are sought.
- 2. The residential section is designed so only the rears of the buildings are facing the drives, with no room for landscaping to soften the views of garages and the backs of townhouses. This would create long stretches of unattractive interior drives between the buildings, especially in the Phase 1 residential area.

### Ordinance Considerations

Existing Soils (Preliminary Site Plan checklist #10, #17) Provided

Existing and proposed overhead and underground utilities, including hydrants. (LDM 2.e.(4))

1. Provided

Existing Trees (Sec 37 Woodland Protection, Preliminary Site Plan checklist #17 and LDM 2.3 (2))

- 1. The grading plan is not consistent with the Tree Protection Plan in terms of trees to be saved/protected.
- 2. Please correct that inconsistency and show all trees to be removed or saved on both plans, with tree protection fence consistently shown between the plans, and the demolition plan.

Adjacent to Residential - Buffer (Zoning Sec. 5.5.3.B.ii and iii)

- Buildings 3 and 5 are adjacent to I-1 zoning. The required 10-15' tall landscaped berm is not provided. A tall hedge and deciduous trees are proposed. Please provide a taller buffer that provides significant audible buffering, such as an 8' tall wall instead of the hedge. At the minimum, a noise study indicating that a noise buffering wall is not necessary must be provided. As currently configured, the landscape deviation requested is not supported by staff.
- 2. Building 9 is adjacent to the commercial section and a loading area for the market where large trucks will travel. The required 6-8' tall landscaped berm between residential and commercial uses is not provided. A 3' tall hedge and deciduous canopy trees are proposed. Please provide a taller buffer that provides significant audible buffering, such as a 6' tall wall instead of the hedge or proof that such audible buffering is not required. As currently proposed, the deviation is not supported by staff.
- 3. The southern parking bay is adjacent to B-3 zoning. The required 6-8' tall landscaped berm is not provided. An evergreen hedge and deciduous trees are proposed as a buffer. The landscape deviation for this frontage is supported if the applicant will agree

to manage the hedge at a height of 6 feet above ground level.

4. Phase 3 also has residential adjacent to I-1 zoned and developed property to the east but there doesn't appear to be sufficient room for the required berms or alternate screening. This would require a landscape deviation that is not supported by staff.

Adjacent to Public Rights-of-Way - Berm/Wall, Buffer and Street Trees (Zoning Sec. 5.5.3.B.ii, iii)

- 1. COMMERCIAL:
  - a. Grand River Avenue:
    - i. The required greenbelt width is provided.
    - ii. The required berm or brick wall are not provided. A decorative fence with brick piers, with dense landscaping, is proposed instead but no detail is provided in the plans. **Please provide a detail of the proposed fence and piers in the landscape plans.** The deviation for a lack of wall or berm can still be supported as the landscaping appears to provide 80-90% opacity throughout the year.
    - iii. Based on the frontage, 24 canopy trees are required but only 18 are proposed. *This deviation is not supported by staff.*
  - b. 11 Mile Road:
    - i. The required greenbelt width is provided.
    - ii. The required berm or brick wall are not provided between the road and the parking lot in Phase 2. *This deviation is not supported by staff.*
    - Based on the frontage, the Phase 2 greenbelt needs to have 21 canopy trees or 31 subcanopy trees. 19 canopy trees are proposed. This deviation is not supported by staff.
    - iv. Please spread the provided greenbelt trees across the site more, and add two more canopy trees in order to remove the landscape deviation.
- 2. PHASE 1 RESIDENTIAL:
  - a. The required greenbelt width is provided everywhere along the 11 Mile Road frontage except between the ROW and the Building 4 parking lot, where 20 feet is required but only 7 feet is proposed. **This requires a landscape deviation**. It is supported because the greenbelt is densely planted with evergreens to screen the parking lot.
  - b. Most of the 11 Mile Road frontage does not front on parking, so no wall or berm is required, except for in front of the small Building 4 parking lot. As noted above, the lot is screened with densely planted evergreens so the deviation for lack of wall or berm is supported by staff.
  - c. Based on the frontage, 13 deciduous canopy or large evergreen greenbelt trees or 20 subcanopy trees are required. 11 subcanopy trees are provided in the right-of-way. Please provide the remaining required subcanopy trees. The deficiency in plantings is not supported by staff.
  - d. While no street trees are required in the TC-1 district, staff agrees that the addition of the crabapples between the curb and sidewalk as proposed would be an attractive look, so those trees can remain and be counted toward the requirement for subcanopy greenbelt trees.
  - e. Please use a more upright variety of crabapple in the right-of-way to provide better vehicle and pedestrian clearance.

#### Parking Lot Landscaping (Zoning Sec. 5.5.3.C.)

- 1. COMMERCIAL:
  - a. Based on the vehicular use area calculations provided, a total of 7,026 of interior landscape area and 35 canopy trees are required. A total of 7,032sf of area and 27 trees are provided, some in islands with less than 200sf per tree. **These shortages in interior landscape area and trees require landscape deviations**. They are not supported by staff. Please see the landscape chart for a detailed explanation.

- b. Please add the area of the Building B loading area to the calculation.
- c. Based on the perimeter provided, 81 canopy trees are required but only 59 are provided, some of these are subcanopy trees. This is also a landscape deviation which is not supported by staff as there is room on the site for more to be provided. Please see the landscape chart for a detailed discussion.
- d. Please label all islands counted toward the requirement with their area in SF.
- e. Please add islands, trees and endcap landscaping where necessary to minimize or eliminate the landscape deviations.
- f. Please adjust the Building A loading area parking lot to allow room for the required perimeter trees along the south edge of the pavement.
- 2. RESIDENTIAL:

The parking bays are only on one side of the drive, so only perimeter trees are required, at the same rate as for the interior drives (1 tree per 35lf). Please see the Multifamily Residential section of the landscape chart for a detailed discussion of this.

#### Building Foundation Landscaping (Zoning Sec. 5.5.3.D.)

- 1. Detailed foundation plantings are provided for Buildings A, B and C. The requirement for 60% of Building C's frontage being landscaped is met.
- 2. Based on the calculations provided, the requirement for the foundation landscape area for any of the buildings is not met, so a landscape deviation is required. The deviation is not supported by staff.
- 3. Please amend the table provided to include columns with each buildings' perimeters (less doorways and delivery areas), the area required, the area of planted area at the building foundation, the area of decorative pavement adjacent to the building, the total of planted area and decorative paving area provided, and the discrepancy between the area required and the area provided.
- 4. Please add as much foundation planting area around each building as possible to lower the extent of the deviation.
- 5. See the detailed discussion of foundation plantings areas on the landscape chart.

#### Multi-Family Residential Landscaping (Zoning Sec. 5.5.3.F.ii.)

- 1. Unit landscaping
  - Based on the number of units (68), 204 canopy or evergreen trees are required to be planted throughout the Phase 1 residential section of the site. 204 trees are provided, 46 of which are subcanopy trees (23%).
  - b. A landscape deviation is required to use subcanopy trees instead of large evergreen or canopy trees for unit landscaping. Staff supports the use of a mix of subcanopy trees for up to 25% of that requirement in order to increase the diversity of plantings on the site, so the proposed deviation is supported by staff.
  - c. Unit trees cannot be used to meet the greenbelt requirement along 11 Mile Road. Please reclassify the required number of trees in front of the units facing 11 Mile Road as greenbelt trees to meet the greenbelt requirement and plant the unit trees elsewhere on the site.
- 2. Interior drive plantings.
  - a. Based on the calculations provided, 66 interior street trees are required but only 41 are provided. *This is a deviation that is not supported by staff.* Please plant all required trees.
  - b. Please don't use subcanopy trees as interior drive street trees.
  - c. Please see the detailed discussion on the Landscape Chart.
- 3. Foundation plantings.
  - a. 35% of the front of the units' front facade must be landscaped with a mix of planting types. Due to the layout of the residential section of the project, none of the required foundation plantings are located between the building and the internal drives but as the applicant has designated the fronts of all of the buildings except 1, 2 and 3 as

facing the wetland or internal open space, the proposed layout and landscaping does conform to the ordinance requirement.

b. While the proposed layout does meet the ordinance requirements, the applicant is encouraged to provide at least some landscaping on the internal drive side of the buildings to soften what will otherwise be a very barren appearance of wide areas of paving along the long stretches of drive between the buildings. As the drives will be used extensively by residents and visitors it would be very much appreciated to do all that is possible to make those areas as attractive as possible.

Storm Basin Landscape (Zoning Sec 5.5.3.E.iv and LDM 1.d.(3)

- 1. It appears that both ponds have adequate coverage of the rim with shrubs but it appears that many of them are not native to Michigan. Please make sure that at least 70-75% of both ponds' HWL are planted with large shrubs native to Michigan.
- 2. Phragmites is indicated as existing on the site and plans for its removal are provided.

#### Plant List (LDM 2.h. and t.)

- 1. Provided
- 2. 18 of 41 species used (44%) are native to Michigan. Please add or substitute native species on the plan to increase that percentage to at least 50%.
- 3. The tree diversity guidelines for non-woodland replacement trees are met.
- 4. Please use a native grass/sedge seed mix for the meadow area instead of the Scottish links mixture.

#### Planting Notations and Details (LDM)

- 1. Provided
- 2. Please see the Landscape Chart for notes about the details, notes and cost estimate.

#### Irrigation (LDM 1.a.(1)(e) and 2.s)

- 1. The proposed landscaping must be provided with sufficient water to become established and survive over the long term.
- 2. <u>Please provide an irrigation plan or note how this will be accomplished if an irrigation plan is not provided on Final Site Plans</u>. An actual irrigation plan could be provided in the <u>electronic stamping set if desired</u>.

If the applicant has any questions concerning the above review or the process in general, do not hesitate to contact me at 248.735.5621 or rmeader <u>rmeader@cityofnovi.org</u>.

1 Meader

Rick Meader – Landscape Architect

# LANDSCAPE REVIEW SUMMARY CHART - Revised PRO Concept

<b>Review Date:</b>	October 22, 2019
Project Name:	JZ19-0031: Sakura Way
Plan Date:	October 2, 2019
Prepared by:	Rick Meader, Landscape Architect E-mail: <u>rmeader@cityofnovi.org</u> ; Phone: (248) 735-5621

Items in **Bold** need to be addressed by the applicant on the Preliminary Site Plan. <u>Underlined</u> items need to be addressed on the Final Site Plan.

# LANDSCAPE DEVIATIONS REQUIRED FOR PROPOSED CONFIGURATION:

#### PHASE 1

COMMERCIAL:

- Insufficient greenbelt landscaping. Not supported by staff.
- Insufficient interior parking lot landscaping area and canopy trees provided. Not supported by staff.
- Insufficient parking lot perimeter trees. Not supported by staff
- Lack of screening wall or berm for parking areas. Supported by staff
- Lack of building foundation landscaping. Not supported by staff.

**RESIDENTIAL:** 

- No buffering berms for multi-family housing provided between residential buildings and the B-3 and I-1 zoned properties. Not supported by staff as currently proposed.
- Lack of interior drive perimeter trees provided. Not supported by staff.
- Insufficient greenbelt width and berm between parking lot and 11 Mile Road. Supported by staff.
- Use of subcanopy trees for 25% of multifamily unit landscaping trees. Supported by staff.

### PHASE 2:

- Insufficient greenbelt landscaping. Not supported by staff.
- Insufficient parking lot trees. Not supported by staff.

#### PHASE 3:

• No landscaping is proposed – it is assumed that the Phase 3 landscaping will meet all landscape requirements or go back to Planning Commission/City Council for deviations for that phase.

Please add a summary table of all landscape deviations sought, the extent of those deviations (ie number of trees not planted) and justification for those deviations, to the landscape plans.

Wherever possible, the plans should be modified or enhanced to reduce and ideally remove as many deviations as possible.

Item	Required	Proposed	Meets Code	Comments
Landscape Plan Requir	ements (LDM (2)			
Landscape Plan (Zoning Sec 5.5.2, LDM 2.e.)	<ul> <li>New commercial or residential developments</li> <li>Addition to existing building greater than 25% increase in overall footage or 400 SF whichever is less.</li> <li>1"=20' minimum with proper North. Variations from this</li> </ul>	Scale: 1"=40'	Yes	

Item	Required	Proposed	Meets Code	Comments
	scale can be approved by LA Consistent with plans throughout set			
<b>Project Information</b> (LDM 2.d.)	Name and Address	Location map is provided on the landscape plan	Yes	
<b>Owner/Developer</b> <b>Contact Information</b> (LDM 2.a.)	Name, address and telephone number of the owner and developer or association	Address and business name on the cover sheet.	No	Please include on landscape plans.
Landscape Architect contact information (LDM 2.b.)	Name, Address and telephone number of RLA	The landscape plan was created by Grissim Metz Andriese	Yes	
<b>Sealed by LA</b> . (LDM 2.g.)	Requires original signature	Yes	Yes	<u>A live signature will be</u> required on the stamping sets.
Miss Dig Note (800) 482-7171 (LDM.3.a.(8))	Show on all plan sheets	Yes	Yes	
Zoning (LDM 2.f.)	Include all adjacent zoning	Site: OSC, OS-1, I-1 – to be rezoned to TC-1 with PRO East: I-1, B-3 South: B-3, Grand River Ave West: TC North: 11 Mile Road, I-1	Yes	Please use current TC-1 zoning landscape requirements in calculations. Those shown for the greenbelt calculations are not consistent with the current requirements. https://cityofnovi.org/Referen ce/Code-of-Ordinances- and-City-Charter/18- 283LandscapeStandards.aspx
<b>Survey information</b> (LDM 2.c.)	<ul> <li>Legal description or boundary line survey</li> <li>Existing topography</li> </ul>	Sheets C-1.1, C-1.2, C-1.3	Yes	
Existing plant material Existing woodlands or wetlands (LDM 2.e.(2))	<ul> <li>Show location type and size. Label to be saved or removed.</li> <li>Plan shall state if none exists.</li> </ul>	<ul> <li>It appears on C4.1 that grading along the east end of Phase 2 will eliminate the trees there but T- 1.0 shows them as being saved and protected.</li> <li>Tree survey is provided on T-1.0 and T-1.1</li> <li>All on-site trees on the site except for along the</li> </ul>	Yes	<ol> <li>Please be consistent between sheets regarding trees being saved or removed.</li> <li>Please show all off- site trees within 50' of the edge of disturbance as they could be negatively impacted by construction.</li> <li>Please propose protection for all onsite trees to be</li> </ol>

Item	Required	Proposed	Meets Code	Comments
		property edges are proposed to be removed. • Woodland replacement calculations are provided on Sheet L101		saved and nearby offsite trees and their critical root zones. 4. See ECT letter for complete review of woodlands and wetlands.
Soil types (LDM.2.r.)	<ul> <li>As determined by Soils survey of Oakland county</li> <li>Show types, boundaries</li> </ul>	Sheet L101	Yes	
Existing and proposed improvements (LDM 2.e.(4))	Existing and proposed buildings, easements, parking spaces, vehicular use areas, and R.O.W	Shown on Iandscape plans	Yes	Please don't propose woodland replacement trees where they would need to be removed for future phases of development.
Existing and proposed utilities (LDM 2.e.(4))	<ul> <li>Overhead and underground utilities, including hydrants must be shown on landscape plan.</li> <li>Proposed light posts must also be shown.</li> </ul>	Utilities and light poles are shown.	Yes	Please make sure the light post locations are consistent with the latest photometric plan (it appears to be).
Proposed grading. 2' contour minimum (LDM 2.e.(1))	Provide proposed contours at 2' interval	<ul> <li>Spot elevations and detention basin contours provided on Sheet C-4.1, C-4.2</li> <li>No berms are proposed</li> </ul>	Yes (grading is shown)	See above note about disparity between T-1.0 and grading plan.
Snow deposit (LDM.2.q.)	Show snow deposit areas on plan	<ul> <li>An area in Phase 2 is proposed.</li> <li>Plans for snow deposit should also consider where snow will go when Phase 2 is built.</li> </ul>	No	Please add notes indicating snow deposit areas on the landscape plan that won't hurt proposed landscaping when Phase 2 is developed.
LANDSCAPING REQUIREMENTS				
Berms, Walls and ROW Planting Requirements				
	<ul><li>Berms</li><li>All berms shall have a maximum slope of 33%. Gradual slopes are encouraged. Show 1ft. contours</li></ul>			
<ul> <li>Berm should be located on lot line except in conflict with utilities.</li> <li>Berms should be constructed of loam with 6" top layer of top soil.</li> </ul>				
Residential Adjacent to	Non-residential (Sec 5.5.3.	A) & (LDM 1.a)		
Berm requirements	<ul> <li>A 6-8 feet high berm</li> </ul>	<ul> <li>No screening</li> </ul>	<ul> <li>South</li> </ul>	1. As the required

Item	Required	Proposed	Meets Code	Comments
(Zoning Sec 5.5.A)	<ul> <li>with landscaping providing 80% winter and 90% summer opacity is required along the south property line between multi-family residential and adjacent B-3 properties and between the residential building and the loading area.</li> <li>A 10-15 feet high berm,, with a 6 foot wide crest with landscaping providing 80% winter opacity and 90% summer opacity is required between the multi- family residential section of the site and the I-1 existing use on 11 Mile Road</li> </ul>	<ul> <li>berm is proposed for any of the areas in question.</li> <li>The proposed screening along the south property line is a continuous evergreen hedge and canopy trees placed 25 feet o.c.</li> <li>The proposed screening between Building 9 and the parking lot/loading area to the west is a continuous evergreen hedge and a line of canopy trees spaced 18 feet o.c</li> <li>The proposed screening between the I-1 zoned and used property and buildings 3 and 5 is a continuous evergreen hedge along the property line with a line of canopy trees spaced 18 feet o.c</li> <li>Majacent to the parking lot is a hedge with a line of canopy trees behind it spaced 16' o.c.</li> <li>While not required, an evergreen hedge is located along the east</li> </ul>	proper ty line: No Buildin g 9 buffer: No Buildin gs 1 & 5 buffer: No	<ul> <li>berms are not provided for the first 3 locations, landscape deviations are required for all 3. See the discussions below for each berm.</li> <li>Please correct the detail numbering.</li> <li>South property line: As the parking lot abuts the south property line, the proposed hedge is acceptable, but the hedge should be maintained at a height of at least 6 feet above ground level. Please add a note to this effect on Sheet L302. The deviation for this is supported by staff if the above change is noted on the plans.</li> <li>The buffer between Building 9 and the parking lot loading area is not sufficient as proposed. Staff is concerned about the noise from delivery vehicles using that area. The deviation is not supported by staff without assurance that the proposed buffering will provide sufficient noise blockage, not just visual.</li> <li>The buffer between Buildings 3 and 5 and the industrial property to the west is visually sufficient. The applicant needs to provide some</li> </ul>

Item	Required	Proposed	Meets Code	Comments
		<ul> <li>property line of the commercial section to screen the parking and loading area from the property to the east.</li> <li>No heights of the hedges are indicated on the plans.</li> </ul>		<ul> <li>assurance that the proposed screening will provide sufficient audible buffering from the existing industrial use such as a noise study. Until that is provided, staff does not support this deviation.</li> <li>6. Note: The applicant must show the minimum heights of each hedge on the landscape plan (Sheet L302) and incorporate those minimum heights into the master deed.</li> </ul>
Planting requirements (LDM 1.a.)	LDM Novi Street Tree List	NA		
Walls (LDM 2.k & Zoning	y Sec 5.5.3.vi)			
Material, height and type of construction footing	Freestanding walls should have brick or stone exterior with masonry or concrete interior	Four retaining walls are proposed around the site.	TBD	<ol> <li>Please clearly show and call out all walls on the landscape plans.</li> <li>Please match the wall shown near Building 4 with the other sheets in the set.</li> </ol>
Walls greater than 3 ½ ft. should be designed and sealed by an Engineer		TBD		Detailed plans need to be provided with building plans.
ROW Landscape Scree	ning Requirements (Sec 5.5	.3.B. ii) and (LDM 1.b)		
<b>Greenbelt width</b> (2)(3) (5)	<ul> <li>Adjacent to pkg: 20 feet</li> <li>Not adjacent to pkg: 0 feet</li> </ul>	COMMERCIAL: Grand River Ave: • 20 feet adj to pkg • 15 feet not adj. <u>11 Mile Road Ph 2:</u> <u>Residential:</u> 17' <u>Commercial:</u> • Adj to pkg: 26' • Not adj: 10' <u>11 Mile Road</u> <u>Residential:</u> Adj to pkg: 7'	<u>Commer</u> <u>cial:</u> Yes <u>Residenti</u> <u>al</u> No (near parking lot) <u>Phase 2:</u> Yes <u>Phase 3:</u>	<ol> <li>Please clearly show the right-of-way lines on all of the landscape sheets.</li> <li>Please provide required greenbelt widths for residences along all frontages.</li> <li>A landscape deviation is required for the area with less than 20' required greenbelt width adjacent to parking</li> </ol>

Item	Required	Proposed	Meets Code	Comments
Berm requirements (70	ping Sec 5.5.3 A(5)	Not adj to pkg: 17' <u>PHASE 3</u> <u>RESIDENTIAL:</u> Residential: 12-17'	Yes	<ul> <li>in the residential area.</li> <li>4. As there is dense evergreen landscaping proposed between the lot and the sidewalk for that section, the deviation is supported by staff.</li> </ul>
Berm requirements (Zo	Tilling Sec 5.5.3.A.(5))			1. A brick wall or
Min. berm crest width	<ul> <li>No berm is required in TC-1 district for frontage not adjacent to parking.</li> <li>Per Zoning Ordinance 3-27, surface parking lots shall be screened from all public rights- of-way and internal roads by either a 2.5 foot tall ornamental brick wall or a landscaped berm.</li> </ul>	<ul> <li>No walls or berms are proposed along the rights- of-way.</li> <li>A note indicates that ornamental piers with metal fencing and significant landscaping is proposed to screen parking along Grand River. No visual image of this is included in the plans.</li> <li>A Woodward Arborvitae hedge and clumping bamboo are also proposed to screen the parking lots from Grand River Avenue.</li> <li>No berm, wall or hedge is proposed to block the north commercial parking lot from view of 11 Mile Road.</li> </ul>	<u>Grand</u> <u>River:</u> No <u>11 Mile</u> <u>Road:</u> No	<ol> <li>A blick wall of landscaped berm is required along all frontages between parking and the right-of-way</li> <li>As neither a berm nor a wall is proposed for either parking frontages, a landscape deviation is required. It is supported by staff for the Grand River frontage as the hedge and bamboo should provide the required screening. It is not supported for the 11 Mile Road as no alternate screening is proposed.</li> <li>Please add a note to the plan stating that the hedge and bamboo shall be maintained at a height at least as tall as 36", and add that requirement to the master deed.</li> <li>Please add some sort of continuous screening for the 11 Mile Road commercial lot (wall or hedge). A deviation would still</li> </ol>

Item	Required	Proposed	Meets Code	Comments
				be required but it would be supported by staff.
Minimum berm height (9)	If a berm is provided it should be at least 2.5' tall.	None	No	See above
3' wall	<ul><li>● (4)(7)</li></ul>	No walls are proposed for right- of-way except for Grand River sign.	NA	
Canopy deciduous or large evergreen trees Notes (1) (10)	<ul> <li>Adjacent to pkg: 1 tree per 25lf frontage (net of access drives)</li> <li>Not adjacent to pkg: 1 tree per 30 lf frontage (net of access drives)</li> <li>Only canopy/ evergreen or subcanopy requirement must be met in TC-1, not both</li> <li><u>11 Mile Road</u> <u>Ph 2 Commercial OR</u> <u>Residential</u></li> <li>Adj: 65/25 = 3 trees</li> <li>Not adj: 545/30=18 trees</li> <li><u>Phase 1 Residential</u></li> <li>Adj: 80/25 = 3 trees</li> <li>Not adj: 290/30=10 trees</li> <li><u>Not adj: 290/30=10</u> trees</li> <li><u>Mot adj: 215/30 = 7</u> trees</li> <li><u>Phase 3 Residential</u></li> <li>Not adj: 468/30=16 trees</li> <li><u>Please see the</u> illustration of corner clearance zone for 11 Mile road below, and how to deduct them from the basis of calculation in footnote 5.5.3.B.ii.f (19).</li> </ul>	<u>11 Mile Road –</u> <u>Phase 2</u> 19 Autumn Blaze Maples (2 fewer than required) <u>Phase 1 Residential</u> 0 canopy trees <u>Grand River Ave</u> 18 Gingko biloba (6 fewer than required) <u>Phase 3 Residential</u> 0 canopy trees	<u>11 Mile:</u> No <u>Grand</u> <u>River:</u> No <u>Phase 3:</u> No	<ol> <li>Please revise the calculations to use the current TC-1 requirements.</li> <li>Please move all greenbelt trees to within the greenbelt (behind the property line, not in the right- of-way), except as noted below (subcanopy trees) at the residential section.</li> <li>Please plant greenbelt trees along the entire Phase 2 11 Mile road frontage except at the proposed drive as there is no guarantee of the phase's future layout at this time.</li> <li>The mature width of the Freeman maple is 30-40' wide but they are spaced 15' o.c. Please space the Phase 2 greenbelt trees further apart (at least 25' o.c.)</li> <li>Unit foundation trees may not be double- counted as greenbelt trees.</li> <li>A landscape deviation is required for any deficiencies in trees provided. <i>They would not be</i></li> </ol>

Item	Required	Proposed	Meets Code	Comments
				supported by staff without strong justification. 7. Add calculations and landscaping for Phase 3.
Sub-canopy deciduous trees Notes (2)(10)	<ul> <li>Adjacent to pkg: 1 tree per 15lf frontage (net of access drives)</li> <li>Not adjacent to pkg: 1 tree per 20 lf frontage (net of access drives)</li> <li>Only canopy/ evergreen or subcanopy requirement must be met in TC-1, not both</li> <li><u>11 Mile Road</u> <u>Phase 2</u></li> <li>Adj: 65/15 = 4 trees</li> <li>Not adj: 545/20=27 trees</li> <li><u>Phase 1 Residential</u></li> <li>Adj: 80/15 = 5 trees</li> <li>Not adj: 290/20=15 trees</li> <li><u>Mot adj: 238/20 = 12</u> trees</li> <li><u>Phase 3 Residential</u></li> <li>Not adj: 468/20 = 23 trees</li> </ul>	<ul> <li><u>11 Mile Road –</u> <u>Phase 2</u> 0 subcanopy trees</li> <li><u>Phase 1 Residential</u></li> <li>11 Sugar Tyme crabapples, in right-of-way (7 fewer than required)</li> <li>Mix of deciduous and evergreen unit trees proposed in greenbelt</li> <li><u>Grand River Ave</u> 0 subcanopy trees</li> <li><u>Phase 3 Residential</u> 0 subcanopy trees</li> </ul>	Yes	<ol> <li>Please revise the calculations to use the current TC-1 requirements.</li> <li>Please plant trees along the entire Phase 2 11 Mile road frontage except at the proposed drive as there is no guarantee of the phase's future layout at this time.</li> <li>While street trees are not required in the TC-1 district, staff agrees that, since there is room for the trees between the sidewalk/storm line and the curb, the addition of subcanopy flowering trees as proposed in front of the Phase 1 residential units would be an attractive look. The required number of subcanopy greenbelt trees still needs to be provided, but the 11 crabapples shown as street trees can count toward that requirement as proposed. Please use a variety of crabapple with a more vertical structure to provide better vehicle and pedestrian clearance.</li> </ol>

Item	Required	Proposed	Meets	Comments
			Code	<ul> <li>4. Please provide the remaining required greenbelt trees behind the right-of-way line. (As noted above, unit foundation trees cannot be double-counted toward the greenbelt requirement.)</li> <li>5. Unit foundation trees may not be double-counted as greenbelt trees.</li> <li>6. A landscape deviation is required for any deficiencies in trees provided. They would not be supported by staff without strong justification.</li> <li>7. Add calculations and landscaping for Phase 3.</li> </ul>
Canopy deciduous trees in area between sidewalk and curb (Novi Street Tree List)	Street trees are not required in the TC-1 district.	<ul> <li>None are proposed on Phase 2 or Phase 3 Residential</li> <li>13 subcanopy greenbelt trees placed in the ROW of the Phase 1 residential</li> </ul>	TBD	See discussion above regarding proposed crabapple trees in the right-of-way
Cross-Section of Berms	(LDM 2.j)			
Slope, height and width	<ul> <li>Label contour lines</li> <li>Maximum 33%</li> <li>Constructed of loam</li> <li>6" top layer of topsoil</li> </ul>	Cross section details are provided on Sheet L-401	Yes	<ol> <li>Berms do not meet height requirements.</li> <li>Please correct detail numbering.</li> </ol>
Type of Ground Cover		None	No	
Setbacks from Utilities	Overhead utility lines and 15 ft. setback from edge of utility or 20 ft. setback from closest pole	The only overhead utilities are along 11 Mile Road	TBD	Please space trees appropriately vis a vis the overhead wires
Parking Area Landscap	e Requirements LDM 1.c. &	Calculations (LDM 2.0	.)	
General requirements (LDM 1.c)	<ul> <li>Clear sight distance within parking islands</li> </ul>	Some islands will be planted with Little	Yes	1. Add clear vision triangles at the

Item	Required	Proposed	Meets Code	Comments
	No evergreen trees	Bluestem grass		<ul> <li>interior intersections north and south of Building B, and at the intersection between Buildings 5 and 9.</li> <li>2. Please move all trees and shrubs taller than 30" out of clear vision zones.</li> </ul>
Name, type and number of ground cover (LDM 1.c.(5))	As proposed on planting islands	Mix of plantings noted above	Yes	
General (Zoning Sec 5.	.5.3.C.ii)			
<b>Parking lot Islands</b> (a, b. i)	<ul> <li>A minimum of 200 SF to qualify</li> <li>Minimum 200 SF per tree planted in island</li> <li>6" curbs</li> <li>Islands minimum width 10' BOC to BOC</li> </ul>	<ul> <li>Islands are shown, and areal quantities are provided for most areas, but not all.</li> <li>All circular planting areas appear to be significantly less than 200sf.</li> <li>Some small islands have trees but not sufficient area for their long-term survival.</li> <li>The interior island west of Building B is not 10 feet wide.</li> </ul>	No	<ol> <li>To count toward the required area, an island must have at least 200sf landscape area per tree planted in it, and be 10 feet wide. Many of the circular planting areas do not have this area.</li> <li>To count toward the requirement, a tree must have at least 200sf in greenspace surrounding it. Many trees do not have this area.</li> <li>If islands/planting areas aren't sufficiently large, please enlarge them as required or don't count the area or trees in them toward the total.</li> <li>Please add slots or holes in the circular planting "curbs" to allow pavement runoff to get into planting circles.</li> </ol>
Curbs and Parking stall reduction (c)	Parking stall can be reduced to 17' and the curb to 4" adjacent to a sidewalk of minimum 7 ft.	It appears that spaces are shortened to 17 ft where possible.	Yes	

Item	Required	Proposed	Meets Code	Comments	
Contiguous space limit (i)	<ul> <li>Maximum of 15 contiguous spaces</li> <li>All endcap islands should also be at least 200sf with 1 tree planted in it.</li> </ul>	<ul> <li>Several bays with more than 15 spaces are not broken up with a qualifying landscape island with trees or 200sf (Phase 2 interior islands, the bay south of the lake, the bay north of Building C), as required.</li> <li>Endcap trees are needed at the east end of the bay (south of Building B) and at the west end of the bay south of Building A.</li> </ul>	No	<ol> <li>Please add endcap islands with at least 200sf greenspace and canopy trees for all parking bays (there are at least 2 endcaps in the commercial section without the required landscaping).</li> <li>A landscape deviation is required for the current lack of landscaped islands breaking up long bays. It is not supported by staff.</li> </ol>	
Plantings around Fire Hydrant (d)	No plantings with matured height greater than 12' within 10 ft. of fire hydrants of utility structures (manholes, catch basins)	Provided	TBD	<ol> <li>Please be sure to provide at least 10 feet between hydrants, manholes and catch basins and trees, and 5 feet from underground lines.</li> <li>If necessary, islands should be widened to provide proper spacing between hydrants or other utility structures.</li> </ol>	
Landscaped area (g)	Areas not dedicated to parking use or driveways exceeding 100 sq. ft. shall be landscaped	Provided	Yes		
<b>Clear Zones</b> (LDM 2.3.(5))	25 ft corner clearance required. Refer to Zoning Section 5.9	Provided	Yes		
	Category 1: For OS-1, OS-2, OSC, OST, B-1, B-2, B-3, C, NCC, EXPO, FS, TC, TC-1, RC, Special Land Use or non-residential use in any R district ( <i>Zoning Sec 5.5.3.C.iii</i> )				
A = Total square footage of vehicular use area up to 50,000 sf x 7.5%	1: 8870sf x 7.5%=665 sf 2: 7034sf x 7.5%=548 sf 3: 33488sf x 7.5%=2511 sf 4: 15342sf x 7.5%=1151 sf 5: 11535sf x 7.5%=865 sf 6: 10963sf x 7.5%=822 sf 7: 6184sf x 7.5%=464 sf	1: 690 sf 2: 149 sf 3: 3387 sf 4: 1276 sf 5: 519 sf 6: 800 sf 7: 211 sf	No	<ol> <li>Please show the contiguous greenspace area of each island in SF.</li> <li>Please add totals to the tables provided.</li> <li>Treed islands must</li> </ol>	

Item	Required	Proposed	Meets Code	Comments
	Total: 7026 sf	Total: 7032 sf		<ul> <li>have 200sf in contiguous greenspace. If they don't, neither the tree nor the area may count toward the requirement (except edge islands abutting greenspace, as discussed previously)</li> <li>Please enlarge areas as required to reduce the deviation.</li> <li>The area of the loading area east of Building B must be added to Parking Area 7 as it is too large to use only perimeter trees.</li> <li>A landscape deviation is requested for the deficiency in landscape area. It is not supported by staff at this time.</li> </ul>
B = Total square footage of additional paved vehicular use areas over 50,000 SF) x 1 %	B = x SF x 1% = B sf	NA		
Category 2: For: I-1 and	I I-2 (Zoning Sec 5.5.3.C.iii)			
A = Total square footage of vehicular use area up to 50,000 sf x 5%	A = x SF x 5% = A sf	NA		
B = Total square footage of additional paved vehicular use areas over 50,000 SF x 0.5 %	B = (x SF – 50000) x 0.5% = B SF	NA		
All Categories				
C = A+B Total square footage of landscaped islands required	A + B = C SF 7026 + 0 = 6562 sf	7032 sf	TBD	<ol> <li>If sufficient area is not provided, a landscape deviation is required. It is not supported by staff.</li> </ol>
D = C/200	C/200 = xx Trees	27 trees	No	1. A landscape

Item	Required	Proposed	Meets Code	Comments
Number of canopy trees required	7026/200 = 35 trees			<ul> <li>deviation is required for all canopy trees not provided. It is not supported by staff.</li> <li>Please add as many trees as possible, in qualifying landscape islands, as possible to reduce the deviation.</li> <li>Please indicate the impact (trees not provided) of the deviation and provide justification for the deviation.</li> </ul>
Parking Lot Perimeter Trees (Sec 5.5.3.C.iv)	1 Canopy tree per 35 lf 81 trees	59 trees	No	<ol> <li>Perimeter areas within 20' of a building 20' or taller do not need canopy trees if subcanopy trees are used as foundation planting</li> <li>Please eliminate the perimeter parking lot table and just show total perimeter lengths for the commercial area separate from the residential area, the number of trees required based on those lengths, and the number of trees provided.</li> <li>Please add as many perimeter trees within 15 feet of the curb as is reasonably possible to decrease the extent of the deviation.</li> <li>Please provide required trees within 15 feet of the curb.</li> <li>Please use a tree with a mature canopy width of at least 20 feet, not subcanopy trees for perimeter trees.</li> </ol>

Item	Required	Proposed	Meets Code	Comments
				<ol> <li>Please move the trees east of Parking Lot 3 four feet away from the property line.</li> <li>A landscape deviation is required. The extent of the deviation must be lowered significantly by adding more trees where possible in order for staff to support the request.</li> <li>Perimeter trees should be added along the perimeter of Parking area 6 (north and south sides) and Parking Area 5 as there is no definite time when buildings would make them unnecessary.</li> <li>Consider adjusting the layout of the loading area east of Building A to allow the placement of perimeter trees along the south edge of that large paved area.</li> </ol>
Parking land banked	NA	No		
Other Landscaping				
	Sec 5.5.3.E.iii & LDM 1.d (2) N, building foundation land		dscaping a	nd LDM
Other Screening				
Screening of outdoor storage, loading/unloading (Zoning Sec. 3.14, 3.15, 4.55, 4.56, 5.5)		All Phase 1 loading areas are sufficiently screened by buildings and/or landscaping.	Yes	
Transformers/Utility boxes (LDM 1.e from 1 through 5)	<ul> <li>A minimum of 2ft. separation between box and the plants</li> <li>Ground cover below 4" is allowed up to</li> </ul>	No utility boxes shown		<ol> <li>Provide proper screening for any transformers.</li> <li>Include city standard detail with other</li> </ol>

Item	Required	Proposed	Meets Code	Comments
	pad. No plant materials within 8 ft. from the doors			landscape details. 3. If all transformer locations are not provided on plan, please add a note stating that all transformers and other utility boxes shall be screened per the city detail.
<b>Building Foundation La</b>	ndscape Requirements (See	c 5.5.3.D)	1	
Interior site landscaping SF	<ul> <li>Equal to entire perimeter of the building (less paved access areas for vehicles and mandoor widths) x 8 with a minimum width of 4 ft.</li> <li>xx If x 8ft = xx SF</li> <li>Building A: 734 * 8 = 4808 sf</li> <li>Building B: 260 * 8 = 2080 sf</li> <li>Building C: 480 * 8 = 3840 sf</li> </ul>	<ul> <li>A combination of landscaping and decorative paving is proposed to meet the requirement in the commercial section of the project.</li> <li>A calculation table is provided on Sheet L203.</li> <li>Very little foundation landscaping is proposed for Buildings A and B.</li> <li>Significant landscaping is provided along the north and south sides of Building C.</li> <li>No landscaping is proposed along the north side of Building A.</li> </ul>	No	<ol> <li>Please add the area requirement for each commercial building, not just what is provided, to the table on Sheet L203, so the extent of the deviation can be known.</li> <li>Add the total area of decorative paving near each building to the table as the paved area can count toward the requirement. Please break it out from the actual planting area provided.</li> <li>Please provide more landscaping bed area around buildings A and B than is currently proposed. It appears there is more room for planting for both buildings. Only a 4' wide strip is required.</li> <li>Please enlarge the planting area in the circular planting beds with trees to provide more air and water to the roots.</li> <li>Please add a 4' strip of landscaping (minimum) along the north side of Building A. It doesn't have to</li> </ol>

Item	Required	Proposed	Meets Code	Comments
				be expensive plant material (grasses or bamboo, or other perennials would be fine), but as there is no known date of construction for the building north of Building A, there should be some landscaping there. 6. Please add foundation landscaping along the east side of Building A (not the loading area). 7. Please add foundation landscaping along the south side of Building B wherever possible. 8. Any future commercial buildings in Phase 2 would need to meet these requirements. 9. Landscape deviations are required for any deficiencies in landscaping area provided. Those deviations are not supported by staff at this time.
Zoning Sec 5.5.3.D.ii. All items from (b) to (e)	If visible from public street a minimum of 60% of the exterior building perimeter should be covered in green space	<ul> <li>The proposed landscaping for Building C covers virtually the entire frontage as viewed from Grand River.</li> <li>Buildings A and D are over 235 feet from Grand River. The parking lot screening is sufficient to screen those</li> </ul>	Yes	Any future commercial buildings in Phase 2 would need to meet these requirements.

Item	Required	Proposed	Meets Code	Comments
		buildings.		
Multi-Family Residentia	l (Sec 5.5.3.F.ii)			
<b>Building Landscaping</b> (Zoning Sec 5.5.3.E.ii.)	<ul> <li>3 deciduous canopy trees or large evergreen trees per dwelling unit on the first floor.</li> <li>Phase 1: 68 units * 3 = 204 trees required</li> <li>The table provided on Sheet L203 is not required for residential units. Only the building frontage is regulated (35% of the front of a building must be landscaped).</li> <li>Phase 3: 52 units * 3 = 156 trees required</li> </ul>	<ul> <li>Phase 1 residential</li> <li>204 unit trees are provided on the site, 46 of which are subcanopy trees (23%)</li> <li>Phase 3 residential</li> <li>None provided</li> </ul>	<u>Phase 1:</u> Yes <u>Phase 3:</u> No	1. The greenbelt requirement along 11 Mile road must be met with trees designated for that purpose. Unit trees cannot be double- counted as greenbelt trees. Please show the trees in front of the units fronting 11 Mile Road as greenbelt trees and add unit trees elsewhere to meet the requirement.
Interior Street Landscaping	<ul> <li>1 deciduous canopy tree along interior roads for every 35 lf (both sides), excluding driveways, interior roads adjacent to public rights-of-way and parking entry drives.</li> <li>66 trees (number provided)</li> </ul>	<ul> <li>41 interior street trees</li> <li>Several street trees are subcanopy trees.</li> </ul>	No	<ol> <li>Please eliminate the table and just show the total perimeter and the total number of trees required based on that total.</li> <li>Please add the required perimeter trees</li> <li>Please change the subcanopy trees used as interior street trees to deciduous canopy trees.</li> <li>The proposed configuration requires a landscape deviation. It is not supported by staff.</li> </ol>
Foundation Landscaping	35% of building front façades must be landscaped with plantings other than lawn.	<ul> <li>At least 35% of the front facades, as defined by the applicant, of all units are landscaped sufficiently (not the sides facing the road/drives except for Buildings 1, 2 and</li> </ul>	Yes	While the proposed layout and landscaping meet the ordinance requirements, the applicant is encouraged to add at least some landscaping between the building garages to soften the appearance of the driveway areas as they

Item	Required	Proposed	Meets Code	Comments
		<ul> <li>3, whose fronts face 11 Mile Road)</li> <li>No plantings are proposed between building rears, which face the interior drives, and the drives.</li> </ul>		will be most visible to residents and visitors of the site. As proposed, those areas will have a very barren appearance.
Detention/Retention Ba	sin Requirements (Sec. 5.5.3	3.E.iv)		
<b>Planting requirements</b> (Sec. 5.5.3.E.iv)	<ul> <li>Clusters of large native shrubs shall cover 70-75% of the basin rim area</li> <li>10" to 14" tall grass along sides of basin</li> <li>Refer to wetland for basin mix</li> </ul>	The required coverage is provided for both ponds but not all shrubs are native to Michigan	No	<ol> <li>While not required, it is advised to not use Viburnum trilobum as they have been hit very hard by the viburnum leaf beetle. The diversity provided by the other species is sufficient so you could use more of those species in its place.</li> <li>Please make sure that 70-75% of both ponds' HWL are planted with shrubs native to Michigan.</li> </ol>
Phragmites Control (Sec 5.5.6.C)	<ul> <li>Any and all populations of Phragmites australis on site shall be included on tree survey.</li> <li>Treat populations per MDEQ guidelines and requirements to eradicate the weed from the site.</li> </ul>	<ul> <li>Phragmites populations are indicated on Sheet C-1.1</li> <li>Plans for physical removal and follow-up herbicide treatments are listed on Sheet L101.</li> </ul>	Yes	
LANDSCAPING NOTES, I	DETAILS AND GENERAL REQU			
Landscape Notes – Utilize City of Novi Standard Notes				
Installation date (LDM 2.1. & Zoning Sec 5.5.5.B)	<ul> <li>Provide intended dates</li> <li>Should be between March 15 and November 15.</li> </ul>	No dates are proposed	No	Please include planting dates on Landscape Plan.
Maintenance & Statement of intent (LDM 2.m & Zoning Sec 5.5.6)	<ul> <li>Include statement of intent to install and guarantee all materials for 2 years.</li> </ul>	Provided	Yes	

Item	Required	Proposed	Meets Code	Comments
	<ul> <li>Include a minimum one cultivation in June, July and August for the 2-year warranty period.</li> </ul>			
Plant source (LDM 2.n & LDM 3.a.(2))	Shall be northern nursery grown, No.1 grade.	Yes	Yes	
Irrigation plan (LDM 2.s.)	<ul> <li>A fully automatic irrigation system and a method of draining is required with Final Site Plan</li> <li>If a different method of providing water for establishment and long-term survival of the plants will be used, please provide information on that</li> </ul>	No		<u>Need for final site plan</u>
<b>Other information</b> (LDM 2.u)	Required by Planning Commission			Please change note 6 to read 3 months instead of 1 year for time of plant replacement
Establishment period (Zoning Sec 5.5.6.B)	2 yr. Guarantee	Yes	Yes	
Approval of substitutions. (Zoning Sec 5.5.5.E)	City must approve any substitutions in writing prior to installation.	Yes	Yes	
Plant List (LDM 2.h., 4) -	Include all cost estimates			
Quantities and sizes		Yes	Yes	
Root type		Yes	Yes	
Botanical and common names	Refer to LDM suggested plant list	<ul> <li>18 of 41 (44%) species used are native to Michigan</li> <li>The tree diversity meets the requirements of LDM 4</li> </ul>	• No • Yes	<ol> <li>Please use more native species on the site so at least 50% of the species used are native to Michigan.</li> <li>If you have questions about whether a plant is native, you can ask me or consult Michiganflora.net.</li> <li>It may be difficult to find sources of <i>Pinus</i> <i>resinosa</i>.</li> <li>Abies concolor and Tsuga canadensis are not on the current Woodland</li> </ol>

Item	Required	Proposed	Meets Code	Comments
				Replacement Chartin Section 37, sodifferent speciesshould be used.5. Per Section 37-8, only5% of thereplacement creditsprovided can beseed, not the 20%currently proposed.Please change thewoodlandreplacementcalculations.
Type and amount of lawn		Yes	Yes	Please use a native seed mix for the large meadow area instead of the non-native Scottish Meadow mix proposed. It can be a mix of just grasses and sedges to still achieve a grassy look.
Cost estimate (LDM 2.t)	For all new plantings, mulch, seed and sod as listed on the plan	No		Please add on Final SitePlans. Use thesestandard costs:• Canopy tree: \$400ea• Subcanopy tree: \$250 ea• Evergreen tree: \$325 ea• Shrubs: \$50 ea• Perennials \$15 ea• Seed \$3/syd• Mulch \$35/cyd
<b>.</b> .	DM 2.i) – Utilize City of Novi	Standard Details		1
Canopy Deciduous Tree		Yes	Yes	
Evergreen Tree		Yes	Yes	
Multi-stem Tree	Refer to LDM for detail drawings	Yes	Yes	
Shrub		Yes	Yes	
Perennial/ Ground Cover		Yes	Yes	
Tree stakes and guys. (Wood stakes, fabric guys)		Yes	Yes	
Tree protection	Located at Critical Root	Yes	Yes	

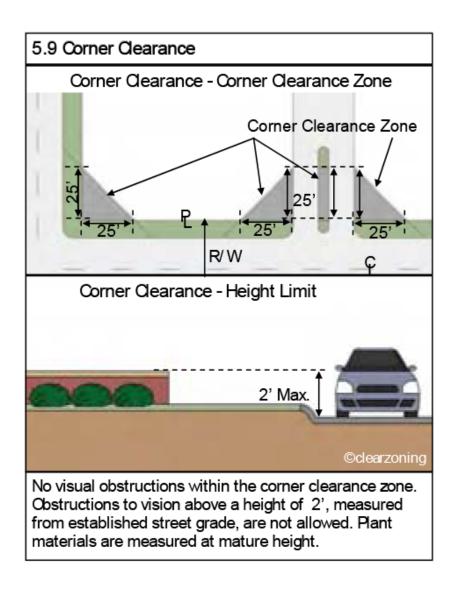
Item	Required	Proposed	Meets Code	Comments
fencing	Zone (1' outside of dripline)			
Other Plant Material Re	quirements (LDM 3)			
General Conditions (LDM 3.a)	Plant materials shall not be planted within 4 ft. of property line	Yes	Yes	
Plant Materials & Existing Plant Material (LDM 3.b)	Clearly show trees to be removed and trees to be saved.	Yes	Yes	See note above about conflict between grading plan and T-1.0
Landscape tree credit (LDM3.b.(d))	Substitutions to landscape standards for preserved canopy trees outside woodlands/ wetlands should be approved by LA. Refer to Landscape tree Credit Chart in LDM	No		
Plant Sizes for ROW, Woodland replacement and others (LDM 3.c)	Refer to Landscape Design Manual for requirements	On plant list	Yes	
Plant size credit (LDM3.c.(2))	NA	No		
<b>Prohibited Plants</b> (LDM 3.d)	No plants on City Invasive Species List	<ul> <li>No prohibited plants proposed</li> <li>A species of clumping bamboo is used in isolated locations.</li> </ul>	Yes	
Recommended trees for planting under overhead utilities (LDM 3.e)	Label the distance from the overhead utilities	Yes	Yes	
Collected or Transplanted trees (LDM 3.f)		None		
Nonliving Durable Material: Mulch (LDM 4)	<ul> <li>Trees shall be mulched to 3" depth and shrubs, groundcovers to 2" depth</li> <li>Specify natural color, finely shredded hardwood bark mulch. Include in cost estimate.</li> </ul>	Yes	Yes	

#### NOTES:

1. This table is a working summary chart and not intended to substitute for any Ordinance or City of Novi requirements or standards.

2. The section of the applicable ordinance or standard is indicated in parenthesis. For the landscape requirements, please see the Zoning Ordinance landscape section 5.5 and the Landscape Design Manual for the appropriate items under the applicable zoning classification.

Item	Required	Proposed	Meets Code	Comments
	itten response to any points e City of Novi Planning Dep		5	corresponding site plan



WETLAND REVIEW



ECT Project No. 190456-0300

October 18, 2019

Ms. Barbara McBeth, AICP City Planner Community Development Department City of Novi 45175 W. Ten Mile Road Novi, Michigan 48375

Re: Sakura Way (JZ19-0031) Wetland Review of the Revised PRO Concept Plan (PSP19-0150)

Dear Ms. McBeth:

Environmental Consulting & Technology, Inc. (ECT) has reviewed the Revised PRO Concept Plan for the proposed Sakura Way project prepared by PEA, Inc. and Wah Yee Associates dated October 2, 2019 and stamped "Received" by the City of Novi on October 3, 2019 (Plan). ECT also reviewed the *Wetland Delineation Letter* dated November 16, 2018 and the *Sakura Novi Wetland Mitigation Options* letter dated October 2, 2019, both prepared by Atwell. The Plan was reviewed for conformance with the City of Novi Wetland and Watercourse Protection Ordinance and the natural features setback provisions in the Zoning Ordinance. ECT previously conducted a wetland evaluation for portions of the proposed site and most recently completed a site inspection on July 16, 2019.

ECT currently does not recommend approval of the Revised PRO Concept Plan for Wetlands. The Applicant shall address the items noted in the *Wetland Comments* Section of this letter prior to receiving Wetland approval of the Plan.

Item	Required/Not Required/Not Applicable
Wetland Permit (specify Non-Minor or Minor)	Required (Non-Minor)
Wetland Mitigation	Required (proposed wetland impacts appear to be >0.25-acre)
Wetland Buffer Authorization	Required
EGLE Permit	To Be Determined. It is the applicant's responsibility to contact EGLE in order to determine the need for a wetland use permit.
Wetland Conservation Easement	Required for any Proposed Wetland Mitigation

The proposed project is located at the northeast corner of Grand River Avenue and Town Center Drive in Section 23. The proposed project currently consists of three (3) phases. Phases 1 and 2 includes a total of four (4) parcels. From west to east these are: 50-22-23-126-006 (West Parcel), 50-22-23-126-011 and 50-22-23-226-007 (previously referred to as East Parcel A), and 50-22-23-226-008 (previously referred to as East Parcel B). Phase 3 has been added to the concept since our review of the previous concept plan. Phase 3 appears to include two (2) parcels east of the Phase 1 and 2 properties; Parcel 50-22-23-226-021 and 50-22-23-226-022. Phase 1 consists of market, retail, restaurant, townhome residential and light industrial use

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(existing ECCO Tool Co., grandfathered in). Phase 2 consists of restaurant, retail, spa, office, hotel, residential and parking structure uses. Phase 3 consists of town-home residential and parking.

Previous plans included integrative green elements that utilize the water feature on the western portion of the site. The Plan appears to route stormwater directly to the wetland/pond located on the western side of the site. One (1) stormwater detention basin appears to be proposed on the eastern side of the site. ECT suggests that subsequent site plans be reviewed by City of Novi Engineering Staff for adherence to all applicable storm water and engineering requirements. The City of Novi's Regulated Wetland & Woodland Map indicates areas of both Regulated Wetland and Regulated Woodland on the subject site (see Figure 1).

#### Wetland Evaluation

ECT's in-office review of available materials included the City of Novi Regulated Wetland/Watercourse and Regulated Woodlands maps (see Figure 1, attached), USGS topographic quadrangle map, NRCS soils map, USFWS National Wetland Inventory map, and historical aerial photographs. The City of Novi Regulated Wetlands Map indicates one (1) area of existing wetland (i.e., pond/Wetland 2) on the westernmost parcel (50-22-23-126-006) as well as a small area of regulated wetland on the eastern portion of the project properties (i.e., Wetland "5" on Parcel No. 50-22-23-226-021).

The Plan identifies a total of five (5) wetland areas on the subject properties. The overall sizes of the existing wetlands do not appear to be clearly indicated on the Plan, however the proposed impacts to these wetlands are noted.

The following is a brief description of the on-site wetland features:

Wetland 1 – A small (+/- 0.01-acre) emergent wetland located in a grassy area (depression) in the northwest portion of the site (west of the existing ECCO Tool Co. building). The delineation report notes that the wetland vegetation within this area includes grass-leaved goldenrod (*Euthamia graminifolia*), yellow nutsedge (*Cyperus esculentus*), reed canary grass (*Phalaris arundinacea*), and sandbar willow (*Salix interior*).

Wetland 2 – An emergent wetland with open water area (+/-0.74-acre emergent wetland and +/-0.97-acre open water) located in the southwest portion of the site. The delineation report notes that the wetland vegetation within this area includes broadleaf cattail (*Typha latifolia*), narrow leaf cattail (*Typha angustifolia*), and common reed (*Phragmites australis*). The open water element is referred to as the 'pond'.

Wetland 3 - A small (+/- 0.02-acre) emergent wetland within a constructed ditch in the southwest portion of the site (adjacent to the southwest side of Wetland 2). The delineation report notes that the wetland vegetation within this area includes mainly common reed.

Wetland 4 – A large (+/- 0.90-acre) emergent/scrub-shrub wetland located within the eastern portion of the site (i.e., southeast of the existing ECCO Tool Company building). Portions of this wetland are located on parcels 50-22-23-126-011, 50-22-23-226-007, and 50-22-23-226-008. The delineation report notes that the scrub-shrub wetland vegetation within this area includes common buckthorn (*Rhamnus cathartica*) and silky dogwood (*Cornus amomum*). The herbaceous vegetation within this wetland area included broadleaf cattail, sensitive fern (*Onoclea sensibilis*), grass-leaved goldenrod, purple loosestrife (*Lythrum salicaria*), and fringed willow herb (*Epilobium ciliatum*).



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Wetland 5 – A small (+/- 0.04-acre) emergent/scrub-shrub wetland located on the eastern portion of the site (located on Parcel 50-22-23-226-021, east of the existing cell tower gravel access drive). This wetland area is not described in Atwell's November 16, 2018 *Wetland Delineation Letter*. The wetland vegetation within this area includes common buckthorn and reed canary grass.

Based on the on-site wetland flagging, the existing vegetation and topography, it is ECT's assessment that the on-site wetlands were accurately delineated. The wetland boundaries appear to be accurately indicated on the Plan.

#### Wetland Impact Review

As noted above, several areas of wetland have been confirmed on the subject property by the applicant's wetland consultant. Currently, the Plan indicates impacts to four (4) of the five (5) existing wetland areas. The Plan (Sheets C-1.4 and C-1.5, *Natural Features Impact Plans*) quantify the areas of the proposed wetland and wetland buffer impacts. The total amount of direct (i.e., fill or excavation) impact to on-site wetlands is 1.67 acres. The current impacts to Wetland 1 are for the construction of Residential Building 10. The *Community Impact Statement* provided with the Plan notes that the pond will be maintained but will have its perimeter articulated and upgraded as a site amenity (i.e., Wetland 2 impacts). The pond will be utilized for partial site storm detention with pre-treatment. The impacts to Wetland 3 are for the purpose of constructing Phase 1 residential development as well as the proposed detention basin. Currently, the Plan does not appear to propose impacts to Wetland 5.

The following table summarizes the proposed wetland impacts as listed on the Natural Features Impact Plans:

Wetland Impact	City Regulated?	MDEQ Regulated?	Wetland Impact Area (acre)	Estimated Impact Volume (cubic yards)
1	Yes City Regulated /Essential	To Be Determined	0.007	Not Provided
2	Yes City Regulated /Essential	To Be Determined	0.74-	Not Provided
3	Yes City Regulated /Essential	To Be Determined	0.02	Not Provided
4	Yes City Regulated /Essential	To Be Determined	0.90	Not Provided
5	Yes City Regulated /Essential	To Be Determined	None	None
TOTAL			1.67 acres	Not Provided

Table 1. Proposed Wetland Impacts

In addition to the proposed wetland impacts, the Plan proposes disturbance to on-site 25-foot wetland buffer areas. The proposed impacts to 25-foot wetland buffers are also provided on the *Natural Features Impact Plans*. The Plan indicates a total of 1.43 acres of impact to the on-site 25-foot wetland buffers. These impacts appear to be permanent impacts. The following table summarizes the proposed wetland buffer impacts as listed on the Plan:



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Wetland Buffer Impact	Buffer City Regulated?	Buffer MDEQ Regulated?	Wetland Buffer Impact Area Permanent
<i>Area</i>	Yes	No	Acre
2 & 3	Yes	No	0.71
4 5	Yes Yes	No No	0.59 None
TOTAL			1.43

Table 2. Proposed Wetland Buffer Impacts

The existing area (square feet or acres) of the on-site wetlands do not appear to have been provided on the Plan. In addition, the impact volume (cubic yards) for each wetland impacts shall be shown on the Plan.

#### City of Novi Wetland/Watercourse Ordinance Requirements

The City of Novi Wetland and Watercourse Protection Ordinance (City of Novi Code of Ordinances, Part II, Chapter 12, Article V.; Division 2.) describes the regulatory criteria for wetlands and review standards for wetland permit applications. The City of Novi regulates wetlands that are: (1) contiguous to a lake, pond, river or stream, as defined in Administrative Rule 281.921; (2) two (2) acres in size or greater; or (3) less than two (2) acres in size but deemed essential to the preservation of the natural resources of the city under the criteria set forth in subsection 12-174(b). Wetlands deemed regulated by the City of Novi require the approval of a use permit for any proposed impacts to the wetland.

The wetland essentiality criteria as described in the Wetland and Watercourse Protection Ordinance are included below.

All noncontiguous wetland areas of less than two (2) acres which appear on the wetlands inventory map, or which are otherwise identified during a field inspection by the city, shall be analyzed for the purpose of determining whether such areas are essential to the preservation of the natural resources of the city....In making the determination, the city shall find that one (1) or more of the following exist at the particular site:

- (1) The site supports state or federal endangered or threatened plants, fish or wildlife appearing on a list specified in Section 36505 of the Natural Resources Environmental Protection Act (Act 451 of 1994) [previously section 6 of the endangered species act of 1974, Act No. 203 of the Public Acts of 1974, being section 229.226 of the Michigan Compiled Laws].
- (2) The site represents what is identified as a locally rare or unique ecosystem.
- (3) The site supports plants or animals of an identified local importance.
- (4) The site provides groundwater recharge documented by a public agency.
- (5) The site provides flood and storm control by the hydrologic absorption and storage capacity of the wetland.
- (6) The site provides wildlife habitat by providing breeding, nesting or feeding grounds or cover for forms of wildlife, waterfowl, including migratory waterfowl, and rare, threatened or endangered wildlife species.



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- (7) The site provides protection of subsurface water resources and provision of valuable watersheds and recharging groundwater supplies.
- (8) The site provides pollution treatment by serving as a biological and chemical oxidation basin.
- (9) The site provides erosion control by serving as a sedimentation area and filtering basin, absorbing silt and organic matter.
- (10) The site provides sources of nutrients in water food cycles and nursery grounds and sanctuaries for fish.

After determining that a wetland less than two (2) acres in size is essential to the preservation of the natural resources of the city, the wetland use permit application shall be reviewed according to the standards in subsection 12-174(a).

Based on this information, the existing on-site wetlands are considered regulated by the City of Novi for stormwater storage and/or wildlife habitat criteria.

The applicant is urged to minimize impacts to all wetlands and 25-foot wetland setback areas to the greatest extent practicable. The City regulates wetland and watercourse buffers/setbacks. Article 24, Schedule of Regulations, of the Zoning Ordinance states that:

"There shall be maintained in all districts a wetland and watercourse setback, as provided herein, unless and to the extent, it is determined to be in the public interest not to maintain such a setback. The intent of this provision is to require a minimum setback from wetlands and watercourses".

#### Wetland Regulation and Required Permits

The Michigan Department of Environment, Great Lakes, and Energy (EGLE, formerly MDEQ) generally regulates wetlands that are within 500 feet of a waterbody, regulated stream or are part of wetland system greater than 5 acres in size. It is the applicant's responsibility to contact EGLE in order to confirm the regulatory authority with respect to any on-site wetland or watercourse areas and the need for any permits based on the proposed Plan.

In 1979, the Michigan legislature passed the Geomare-Anderson Wetlands Protection Act, 1979 PA 203, which is now Part 303, Wetlands Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). The EGLE has adopted administrative rules which provide clarification and guidance on interpreting Part 303.

In accordance with Part 303, wetlands are regulated if they are any of the following:

- Connected to one of the Great Lakes or Lake St. Clair.
- Located within 1,000 feet of one of the Great Lakes or Lake St. Clair.
- Connected to an inland lake, pond, river, or stream.
- Located within 500 feet of an inland lake, pond, river or stream.
- Not connected to one of the Great Lakes or Lake St. Clair, or an inland lake, pond, stream, or river, but are more than 5 acres in size.
- Not connected to one of the Great Lakes or Lake St. Clair, or an inland lake, pond, stream, or river, and less than 5 acres in size, but the DEQ has determined that these wetlands are essential to the preservation of the state's natural resources and has notified the property owner.



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The law requires that persons planning to conduct certain activities in regulated wetlands apply for and receive a permit from the state before beginning the activity. A permit is required from the state for the following:

- Deposit or permit the placing of fill material in a wetland.
- Dredge, remove, or permit the removal of soil or minerals from a wetland.
- Construct, operate, or maintain any use or development in a wetland.
- Drain surface water from a wetland.

The applicant's *Wetland Delineation Letter* notes that Wetlands 1, 2, and 3 are likely not regulated by EGLE as these wetlands are isolated and less than 5 acres in size. Wetland 4, however, is adjacent to the off-site pond located on Parcel 50-22-23-226-042 (owned by the City of Novi) and is therefore likely regulated by EGLE. The *Wetland Delineation Letter* does not contain information related to Wetland 5; however no impacts appear to be currently proposed to this wetland area.

#### Wetland Mitigation

EGLE (formerly MDEQ) generally requires mitigation for impacts greater than one-third (0.33) acre but can require mitigation for any level of impact to EGLE-regulated wetlands. The City requires mitigation for impacts greater than one-quarter (0.25) acre. The Plan indicates a total wetland impact of 1.67 acres (0.90-acre of which appears to be to EGLE-regulated wetland; i.e., Wetland 4).

Proposed wetland mitigation is not indicated on the Plan; however the applicant has submitted a *Sakura Novi Wetland Mitigation Options* letter prepared by Atwell, dated October 2, 2019. Subsequent site plans shall include a wetland mitigation plan. This letter notes that the applicant is committed to satisfying the City's wetland mitigation requirements and is currently considering two (2) different mitigation options to achieve this goal:

Option 1 – The applicant would create 0.9 acres of emergent wetland on Parcel 50-22-23-226-021 (to the east of the Sakura Way project) and 0.5 acres of emergent wetland on Parcel 50-22-23-226-042 currently owned by the City of Novi. It is noted that the available acreage on Parcel 50-22-23-226-042 is large enough to also support the future mitigation needs of the City for the Lee Begole Drive road extension project. The applicant has provided a map with the wetland mitigation options letter showing the approximate space available on this parcel for wetland mitigation. This 1.4 acres of wetland mitigation is designed to offset the EGLE-regulated 0.90-acre impact at a mitigation ratio of 1.5-to-1 (required 1.35 acres of mitigation at 1.5-to-1).

With 1.2 acres of remaining wetland mitigation required to offset the 0.77-acre of City-regulated wetland impacts (required 1.16 acres at 1.5-to-1) the preservation of existing wetlands on Parcel 50-22-17-101-006. This is the southern portion of the Hadley's Towing site south of Grand River Avenue and east of Wixom Road. Atwell notes that the applicant proposes to put approximately 4 acres of existing wetland under conservation easement which would create one large contiguous protected wetland complex as wetlands on the adjoining parcels to the west and east (50-22-17-101-032 and 50-22-17-101-102, respectively) currently have conservation easements on the wetland complexes. Atwell also notes that the surrounding 5 acres of upland could be put under conservation easement to afford further protection and natural habitat within the City.

Option 2 – The applicant is proposing the same mitigation strategy as Option 1 for the EGLE mitigation requirements. The 1.4 acres of constructed wetland is designed to offset the EGLE regulated 0.90-acre



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impact at a mitigation ratio of 1.5-to-1. In order to mitigate the remaining 0.77-acre of impact to Cityregulated wetland, the applicant proposes to initiate a wetland mitigation fund for the City due to lack of available space for wetland mitigation within the City limits. This strategy is intended to mimic the existing City of Novi Woodland (Tree) Fund.

In terms of Option 1, the preservation of existing wetland areas for mitigation credit is not specifically supported by the City's wetland ordinance. EGLE has an option of ten (10) acres of wetland mitigation for 1.0 acre of impact in situations where the mitigation is in the form of preservation of existing wetland. If the City elected to approve wetland mitigation in the form of preservation of existing wetlands, ECT suggests that EGLE's 10-to-1 ratio of wetland preserved-to-wetland mitigation credit allotted be followed.

It should be noted that Section 12-176. – Mitigation of the City's Wetlands and Watercourse Protection Ordinance states the following:

Mitigation shall be provided onsite where practical and beneficial to the wetland resources. If onsite mitigation is not practical and beneficial, mitigation in the immediate vicinity, within the same watershed, may be considered. Mitigation at other locations within the city will only be considered when the above options are impractical.

In terms of Option 2, the City does not currently have a wetland mitigation 'banking' plan in place. ECT recommends that the details of such a wetland mitigation fund be determined prior to approving this option as an acceptable wetland mitigation scenario. Furthermore, it is recommended that the City follow the standards of EGLE in that the restoration of previously existing wetlands is preferred over the creation of new wetlands where none previously existed. Wetland restoration means the reestablishment of wetland characteristics and functions at a site where they have ceased to exist through the replacement of wetland hydrology, vegetation, or soils. The enhancement of existing wetlands can not be considered as wetland mitigation.

#### Wetland and Watercourse Comments

The following are repeat comments from our Wetland Review of the PRO Concept Plan (PSP19-0112) letter dated July 19, 2019. The current status of each comment follows in *bold italics*. ECT recommends that the Applicant address the items noted below in subsequent site plan submittals:

1. ECT encourages the Applicant to minimize impacts to on-site wetlands and 25-foot wetland setbacks to the greatest extent practicable and attempt to incorporate these existing natural features into the site plan.

#### This comment still applies.

2. The 25-foot wetland and watercourse setback boundaries shall be indicated on the Plan.

## This comment has been satisfactorily addressed. The wetland buffers have been indicated on the Plan.

3. It is unclear when the on-site wetlands were flagged and delineated. The applicant shall provide the date that the on-site wetlands were delineated and a wetland delineation report for the site if available.



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## This comment has been satisfactorily addressed. Atwell conducted a wetland delineation on October 24, 2018 and a Wetland Delineation Letter (dated November 16, 2018) has been included with the submittal.

4. The current Plan includes but does not specifically indicate/quantify impacts to wetlands and wetland buffers. The applicant shall indicate, quantify and label all proposed impacts to these natural features on subsequent plan submittals. The area (square feet or acres) of wetland impacts shall be indicated on the Plan in addition to the proposed volumes of these impacts. The area (square feet or acres) of all impacts (both permanent and temporary) to the 25-wetland and watercourse setbacks shall be indicated on the Plan. The cubic yards of proposed wetland fill shall also be provided on subsequent site plan submittals.

This comment has been partially addressed. The volume (cubic yards) of all wetland impacts shall be provided on the Plan. In addition, the areas (square feet or acres) of the existing wetlands and 25-foot wetland buffer areas shall be clearly indicated and the areas quantified (square feet or acres) on the Plan (not just in the Wetland Delineation Letter).

5. If the applicant is unable to modify the Plan in order to decrease the overall impact to existing wetlands, subsequent site plan submittals shall provide details regarding the proposed wetland mitigation plan. This shall include the location of the proposed wetland mitigation area(s), grading, and planting details. Impacts to emergent wetlands shall be mitigated at a ratio of 1.5-to-1 and impacts to forested wetlands shall be mitigated at a ratio of 2.0-to-1.

The applicant's wetland consultant (Atwell) has provided two (2) wetland mitigation options in a letter dated October 2, 2019 (Sakura Novi Wetland Mitigation Options). Each of these options includes constructing 1.4 acres of the 2.51 acres of required wetland mitigation. A portion (0.9-acre) of the 1.4 acres would be constructed on Parcel (50-22-23-226-021) to the east of the proposed Sakura Way Project. A 0.5-acre mitigation area is proposed to be constructed on Parcel 50-22-23-226-042 currently owned by the City. Option 1 then proposes to provide the remaining 1.2 acres of required mitigation through the preservation of existing wetland on Parcel 50-22-17-101-006 (i.e., Hadley Towing property). It should be noted that the City's Wetland Ordinance does not specifically support the preservation of existing wetland areas for mitigation. In addition, Option 2 proposes to initiate a wetland mitigation fund for the City due to the lack of available space for wetland mitigation within the City limits. ECT recommends that the details of such a wetland mitigation fund be determined prior to approving this option as an acceptable wetland mitigation scenario

6. It appears as though a City of Novi *Non-Minor Wetland Use Permit* would be required for the proposed impacts to on-site wetlands. A City of Novi *Authorization to Encroach the 25-Foot Natural Features Setback* would be required for any proposed impacts to on-site 25-foot wetland or watercourse buffers.

#### This comment still applies.

7. It should be noted that it is the Applicant's responsibility to confirm the need for a Permit from EGLE (formerly MDEQ) for any proposed wetland impacts. Final determination as to the regulatory status of any on-site wetlands (if applicable) shall be made by EGLE. The Applicant should provide a copy of this Wetland Use Permit application to the City (and our office) for review and a copy of the approved



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permit upon issuance. A City of Novi Wetland Permit cannot be issued prior to receiving this information.

This comment still applies. ECT recommends that the applicant contact EGLE in order to schedule an on-site pre-application in order to determine the regulatory status of Wetlands 1 through 5. The applicant's response letter notes that the City will be provided with the EGLE permit application when it is submitted.

8. The Plan should address how any temporary impacts to wetland or 25-foot wetland buffers shall be restored, if applicable. Subsequent Plan submittals shall include specifications for any proposed seed mixes proposed for use within these areas. Sod or common grass seed shall not be used to restore temporary impacts within these areas.

## This comment still applies. The Plan shall indicate whether any of the proposed impacts to wetlands or wetland buffers are temporary and therefore require restoration. It appears as if all of the proposed impacts to wetland and wetland buffers are permanent.

9. The applicant should ensure that any proposed snow storage areas are located such that any runoff will not directly affect any remaining on-site wetlands (if applicable) and/or watercourses.

## This comment still applies. The applicant's response letter notes that snow storage areas will be designed so that runoff will not directly affect the remaining on-site wetland.

10. In subsequent plan submittals, ECT suggests that any proposed stormwater management plan be reviewed by the City of Novi Engineering Department to ensure that they meet the City of Novi design requirements.

#### This comment still applies.

#### Wetland Conclusion

The project site appears to contain wetlands that are regulated by the City of Novi, and potentially by EGLE. Any proposed impacts to on-site wetlands will require a City of Novi *Wetland and Watercourse Use Permit*, and an *Authorization to Encroach the 25-Foot Natural Features Setback* for any proposed impacts to the 25-foot wetland buffers. The project may require a Wetland Use Permit from EGLE. Subsequent site plan submittals shall clearly indicate all proposed impacts (permanent or temporary) to the existing wetlands and the associated 25-foot wetland setbacks, including the fill quantities (cubic yards) for all wetland impacts.

The applicant has proposed two (2) Options to meet the wetland mitigation requirement. Option 1 proposes to meet a portion of the required mitigation area through the preservation of existing wetland (on Parcel 50-22-17-101-006, i.e. Hadley Towing property). It should be noted that the City's Wetland Ordinance does not specifically support the preservation of existing wetland areas for mitigation. Option 2 proposes to initiate a wetland mitigation fund for the City due to the lack of available space for wetland mitigation within the City limits. ECT recommends that the details of such a wetland mitigation fund be determined prior to approving this option as an acceptable wetland mitigation scenario.



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#### **Recommendation**

ECT currently does not recommend approval of the Revised PRO Concept Plan for Wetlands. The Applicant shall address the items noted in the *Wetland Comments* Section of this letter prior to receiving Wetland approval of the Plan.

If you have any questions regarding the contents of this letter, please contact us.

Respectfully submitted, ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.

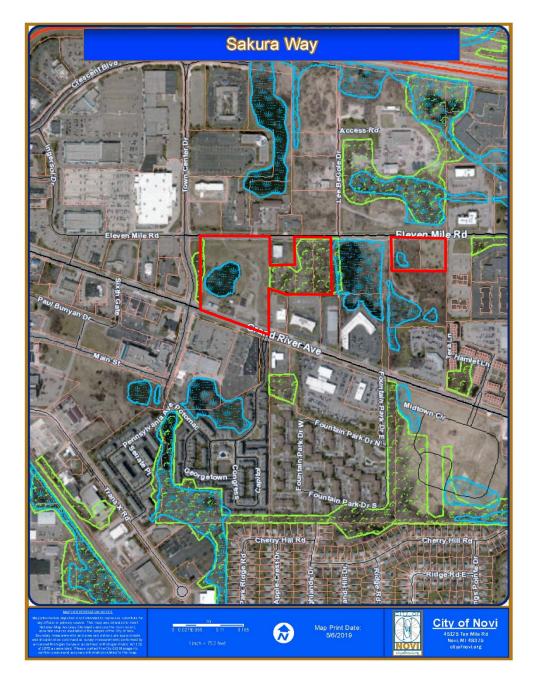
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Pete Hill, P.E. Senior Associate Engineer

- cc: Lindsay Bell, City of Novi Planner Sri Komaragiri, City of Novi Planner Madeleine Kopko, City of Novi Planning Assistant Rick Meader, City of Novi Landscape Architect
- Attachments: Figure 1 City of Novi Regulated Wetland and Woodland Map Figure 2 - Site Aerial Photo Site Photos



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**Figure 1**. City of Novi Regulated Wetland & Woodland Map (approximate project boundaries are shown in red). Regulated Woodland areas are shown in green and Regulated Wetland areas are shown in blue.



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Figure 2. Site Aerial Photo. Approximate wetland locations are indicated in blue (Photo source: Google Earth).



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Site Photos



**Photo 1**. Looking east at existing Wetland 1 located west of the existing ECCO Tool Co. site, south of Eleven Mile Road (ECT, July 16, 2019).



**Photo 2.** Looking west at existing wetland/pond (Wetland 2) on the west side of the project site (ECT, July 16, 2019).



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**Photo 3.** Looking east from the ECCO Tool property (50-22-23-126-011) towards area of delineated wetland (Wetland 4). Reed canary grass can be seen in the photo, growing in the wetland area (ECT, July 16, 2019)



**Photo 4**. Looking east at delineated wetland (Wetland 4) on 50-22-23-226-007 and -008 (ECT, June 19, 2018).



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**Photo 5**. Looking south along the existing gravel drive that is on the western edge of Parcel 50-22-23-226-021. Wetland "5" is located on the left (east) side of the gravel drive (ECT, June 19, 2018).



Photo 6. Looking east at Wetland "5" from existing gravel drive (ECT, June 19, 2018).



WOODLAND REVIEW



ECT Project No. 190456-0400

October 21, 2019

Ms. Barbara McBeth, AICP City Planner Community Development Department City of Novi 45175 W. Ten Mile Road Novi, Michigan 48375

Re: Sakura Way (JZ19-0031) Woodland Review of the Revised PRO Concept Plan (PSP19-0150)

Dear Ms. McBeth:

Environmental Consulting & Technology, Inc. (ECT) has reviewed the Revised PRO Concept Plan for the proposed Sakura Way project prepared by PEA, Inc. and Wah Yee Associates dated October 2, 2019 and stamped "Received" by the City of Novi on October 3, 2019 (Plan). The Plan was reviewed for conformance with the City of Novi Woodland Protection Ordinance Chapter 37.

ECT currently does not recommend approval of the Revised PRO Concept Plan for Woodlands. The Applicant shall address the items noted in the *Woodland Comments* Section of this letter prior to receiving Woodland approval of the Plan.

Item	Required/Not Required/Not Applicable		
Woodland Permit	Required		
Woodland Fence	Required		
Woodland Conservation Easement	Required		

The following woodland related items are required for this project:

the City of Novi Woodland Protection Ordinance (Chapter 37) is to:

The proposed project is located at the northeast corner of Grand River Avenue and Town Center Drive in Section 23. The proposed project currently consists of three (3) phases. Phases 1 and 2 includes a total of four (4) parcels. From west to east these are: 50-22-23-126-006 (West Parcel), 50-22-23-126-011 and 50-22-23-226-007 (previously referred to as East Parcel A), and 50-22-23-226-008 (previously referred to as East Parcel B). Phase 3 has been added to the concept since our review of the previous concept plan. Phase 3 appears to include two (2) parcels east of the Phase 1 and 2 properties; Parcel 50-22-23-226-021 and 50-22-23-226-022. Phase 1 consists of market, retail, restaurant, townhome residential and light industrial use (existing ECCO Tool Co., grandfathered in). Phase 2 consists of restaurant, retail, spa, office, hotel, residential and parking structure uses. Phase 3 consists of town-home residential and parking.

The majority of the central portion of the project site is indicated as City-Regulated Woodland on the City's Regulated Woodland Map (see Figure 1, attached). There is also area designated as Regulated Woodland along the western edge of the project property. The majority of the area that contains the open water

pond/wetland (i.e. Wetland 2) is not indicated as Regulated Woodland. The parcels contained within Phase

3 of the project are also not indicated as City-Regulated Woodland. It should be noted that the purpose of

2200 Commonwealth Blvd., Suite 300 Ann Arbor, MI 48105

> (734) 769-3004

FAX (734) 769-3164 Sakura Way (JZ19-0031) Woodland Review of the Revised PRO Concept Plan (PSP19-0150) October 21, 2019 (REVISION 1) Page 2 of 13

- Provide for the protection, preservation, replacement, proper maintenance and use of trees and woodlands located in the city in order to minimize disturbance to them and to prevent damage from erosion and siltation, a loss of wildlife and vegetation, and/ or from the destruction of the natural habitat. In this regard, it is the intent of this chapter to protect the integrity of woodland areas as a whole, in recognition that woodlands serve as part of an ecosystem, and to place priority on the preservation of woodlands, trees, similar woody vegetation, and related natural resources over development when there are no location alternatives;
- Protect the woodlands, including trees and other forms of vegetation, of the city for their economic support of local property values when allowed to remain uncleared and/or unharvested and for their natural beauty, wilderness character of geological, ecological, or historical significance; and
- Provide for the paramount public concern for these natural resources in the interest of health, safety and general welfare of the residents of the city.

#### City of Novi Woodland Review Standards & Woodland Permit Requirements

Based on Section 37-29 (*Application Review Standards*) of the City of Novi Woodland Ordinance, the following standards shall govern the grant or denial of an application for a use permit required by this article:

No application shall be denied solely on the basis that some trees are growing on the property under consideration. However, the protection and conservation of irreplaceable natural resources from pollution, impairment, or destruction is of paramount concern. Therefore, the preservation of woodlands, trees, similar woody vegetation, and related natural resources shall have priority over development when there are location alternatives.

In addition,

"The removal or relocation of trees shall be limited to those instances when necessary for the location of a structure or site improvements and when no feasible and prudent alternative location for the structure or improvements can be had without causing undue hardship".

A Woodland Permit from the City of Novi would be required for proposed impacts to any trees 8-inch diameter-at-breast-height (DBH) or greater and located within an area designated as City Regulated Woodland, or any tree 36-inches DBH regardless of location on the site. Such trees shall be relocated or replaced by the permit grantee. All deciduous replacement trees shall be two and one-half (2 <sup>1</sup>/<sub>2</sub>) inches caliper or greater and count at a 1-to-1 replacement ratio and all coniferous replacement trees shall be six (6) feet in height (minimum) and count at a 1.5-to-1 replacement ratio. All Woodland Replacement trees shall be species that are listed on the City's Woodland Tree Replacement Chart (attached).

#### Woodland Evaluation

ECT has reviewed the City of Novi Official Woodlands Map and completed an onsite Woodland Evaluation on July 16, 2019 in order to verify existing woodland information (tree sizes, species, conditions, etc.) shown on the Plan. As noted, the majority of the central portion of the project site, as well as the western edge of the project site, is indicated as City-Regulated Woodland on the City's Regulated Woodland Map (see Figure 1). It should be noted that approximately one-half of the site (the western half) has been previously disturbed and contains few trees of City-regulated size.

The surveyed trees have been marked with metal tree tags allowing ECT to compare the tree diameters reported on the *Tree List* (Sheet T-1.1) to the existing tree diameters in the field. ECT found that the Plan appears to accurately depict the location, species composition, size, and condition of the existing trees. ECT



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took a sample of diameter-at-breast-height (DBH) measurements and found that the data provided on the Plan was consistent with the field measurements.

The current Plan includes a *Tree Protection Plan* (Sheet T-1.0) that indicates the locations of the surveyed trees as well as a *Tree List* (Sheet T-1.1) that provides tree tag number, species, diameter, condition of the surveyed trees on the site, save/remove status and number of Woodland Replacement Credits required for each tree proposed for removal. In general, the on-site trees consist of cottonwood (*Populus deltoides*), black locust (*Robinia pseudoacacia*), box elder (*Acer negundo*), silver maple (*Acer saccharium*), red maple (*Acer rubrum*), and several other species. While Sheet C-1.3 (*Topographic Survey – Sakura East*) includes the locations of surveyed trees within Phase 3 of the proposed development, the *Tree Protection Plan* does not currently include Phase 3. The Plan should include a *Tree Protection Plan* that incorporates Phase 3. In addition the *Tree List* does not appear to have been updated to include the existing trees located within Phase 3. This information should be added to the Plan. As Phase 3 is not located within area designated as City-Regulated Woodland, and there do not appear to be any trees 36-inches diameter or greater, it does not appear as if Phase 3 requires any Woodland Replacement Credits.

In terms of habitat quality and diversity of tree species, the overall subject site consists of trees in fair condition. In terms of a scenic asset, wildlife habitat, windblock, noise buffer or other environmental asset, the forested areas located on the subject site appear to be considered to be of fair quality. It should be noted that some sections of the forested portion of the site are dominated by invasive species of vegetation such as common buckthorn (*Rhamnus cathartica*).

The proposed Plan includes the removal of City-regulated trees as indicated below.

#### Proposed Woodland Impacts and Woodland Replacements

The *Woodland* Replacement Plan (Sheet L101) indicates that a total of one hundred one (101) trees of 8-inch DBH and located within mapped City Regulated Woodlands are proposed for removal. In addition, two (2) trees that are over 36-inches DBH located outside of the mapped City Regulated Woodland area are also proposed for removal (i.e., Tree #21 (43" silver maple) and Tree #24 (46" cottonwood). Each of these trees require four (4) Woodland Replacement credits as they are greater than 36-inches in diameter. Sheet L101 indicates that the removal of these 101 trees requires a total of 197 Woodland Replacement Credits. The following tree removals by diameter are indicated on Sheet L101:

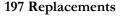
- Stems to be Removed 8" to 11":
- Stems to be Removed 11" to 20":
- Stems to be Removed 20" to 30":
- Stems to be Removed 30"+:
- Total Stems Removed:

#### **Total Woodland Replacement Credits Required**

The Woodland Replacement Plan also indicates the following regarding Woodland Replacement Credits:

- Woodland Replacement Required = 197 Tree Credits
- Woodland Replacement Provided On-Site = 82.5 Tree Credits
- Trees Paid into Tree Fund = 114.5

- 30 x 1 replacement (Requiring 30 Replacements)
- 49 x 2 replacements (Requiring 98 Replacements)
- 19 x 3 replacements (Requiring 57 Replacements)
- 3 x 4 replacements (Requiring 12 Replacements) 101





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However, an assessment of the *Tree Protection Plan* (Sheet T-1.0) and the *Tree List* (Sheet T-1.1) appears to indicate the following information:

- Total Trees to be Removed = 184
- Total Woodland Replacements Required = 341

It should be noted that the City's Woodland Ordinance does not have specific provisions to exempt regulated trees from replacement due to condition. The applicant should ensure that all trees (aside from dead trees and/or trees that are less than 8-inched DBH) being removed from the areas designated as City Regulated Woodland are proposed to be replaced. The applicant shall review and revise the Plan to ensure that the tree removal and replacement information is consistent on all applicable plans including the *Tree Protection Plan*, the *Tree List*, and the *Woodland Replacement Plan*.

Sheet L101 indicates that the applicant is prepared to meet the Woodland Replacement Credit requirement through the planting of various types of Woodland Replacement material, including canopy trees, evergreen trees, large shrubs, perennials, and ground cover seeding. The following Woodland Replacement materials have been proposed:

Туре	Credit Ratio	Proposed Quantity	Woodland
			<b>Replacement Credits</b>
Canopy Trees (1.5" caliper)	2:1	0	0
Evergreen Trees (36" height)	3:1	56	18.5 (9.4%)
Understory Trees (1" caliper)	5:1	0	0
Large Shrubs (30" height)	6:1	10	10.5 (5.3%)
Small Shrubs (18" height)	8:1	27	3.5 (1.7%)
Tree/Shrub Whips (24"	50:1	0	0
height)			
Perennials (1 gallon)	25:1	1125	45 (22.8%)
Ground Cover Seeding	70 Sq.Yd.:1	1390	20 (10.2%)
Total			82.5

#### Table 1. Woodland Replacement Credits Proposed

The Plant List (Sheet L404) indicates the trees and shrubs as well as the perennials and ground cover currently proposed as Woodland Replacements. It should be noted that the deciduous trees, evergreen trees and shrubs currently proposed all appear to be acceptable species per the City's Woodland Replacement Tree Chart (attached). The applicant shall review and revise the perennials and ground cover (and grasses) list to ensure that all species being proposed for Woodland Replacement Credit are species native to Michigan. The plants currently listed, aside from prairie dropseed and little bluestem are not native to Michigan.

With regard to the location of woodland replacement trees, the Woodland Ordinance states:

• The location of replacement trees shall be subject to the approval of the planning commission and shall be such as to provide the optimum enhancement, preservation and protection of woodland areas. Where woodland densities permit, tree relocation or replacement shall be within the same woodland areas as the removed trees. Such woodland replanting shall not be used for the landscaping requirements of the subdivision ordinance or the zoning landscaping;



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- Where the tree relocation or replacement is not feasible within the woodland area, the relocation or replacement plantings may be placed elsewhere on the project property;
- Where tree relocation or replacement is not feasible within the woodland area, or on the project property, the permit grantee shall pay into the city tree fund monies for tree replacement in a per tree amount representing the market value for the tree replacement as approved by the planning commission. The city tree fund shall be utilized for the purpose of woodland creation and enhancement, installation of aesthetic landscape vegetation, provision of care and maintenance for public trees and provision and maintenance of specialized tree care equipment. Tree fund plantings shall take place on public property or within right-of-ways with approval of the agency of jurisdiction. Relocation or replacement plantings may be considered on private property provided that the owner grants a permanent conservation easement and the location is approved by the planning commission;
- Where replacements are installed in a currently non-regulated woodland area on the project property, appropriate provision shall be made to guarantee that the replacement trees shall be preserved as planted, such as through a conservation or landscape easement to be granted to the city. Such easement or other provision shall be in a form acceptable to the city attorney and provide for the perpetual preservation of the replacement trees and related vegetation.

The applicant shall demonstrate that all proposed Woodland Replacement Trees will be guaranteed to be preserved as planted within a conservation easement or landscape easement to be granted to the City.

#### Woodland Review Comments

The following are repeat comments from our Woodland Review of the PRO Concept Plan (PSP19-0112) letter dated July 19, 2019. The current status of each comment follows in *bold italics*. Please consider the following comments when preparing subsequent site plan submittals:

1. ECT encourages the Applicant to minimize impacts to on-site woodlands to the greatest extent practicable. Currently, the Plan appears to indicate that 167 of the 275 surveyed trees (60%) are to be removed.

This comment still applies. The current Plan (Woodland Replacement Plan; Sheet L101) indicates that a total of 101 existing trees are proposed for removal requiring 197 Woodland Replacement Credits. However, an assessment of the Tree List (Sheet T-1.1) appears to indicate the removal of 184 trees requiring 341 Woodland Replacement Credits. This discrepancy shall be reviewed and revised as necessary.

2. The applicant shall review and revise the Plan to ensure that the tree removal and replacement information is consistent and correct on all applicable sheets including the *Tree Protection Plan*, the *Tree List*, and the *Woodland Replacement Plan*. The Woodland Replacement Plan indicates that 70 regulated trees are to be removed requiring 142 Woodland Replacement Credits. However, an assessment of the *Tree List* (Sheet T-1.1) appears to indicate the removal of 167 trees requiring 286 Woodland Replacement Credits.

This comment still applies. The proposed woodland removal and replacement quantities have been revised since the previous plan submittal. As noted above, the Woodland Replacement Plan indicates that 101 regulated trees are to be removed requiring 197 Woodland Replacement Credits. However, an assessment of the Tree List (Sheet T-1.1) appears to indicate the removal



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of 184 trees requiring 341 Woodland Replacement Credits. This discrepancy shall be reviewed and revised as necessary.

In addition, while Sheet C-1.3 (Topographic Survey – Sakura East) includes the locations of surveyed trees within Phase 3 of the proposed development, the Tree Protection Plan does not currently include Phase 3 of the development. The Plan should include a Tree Protection Plan that incorporates Phase 3. The Tree List does not appear to have been updated to include the existing trees located within Phase 3. This information should be added to the Plan. As Phase 3 is not located within area designated as City-Regulated Woodland, and there do not appear to be any trees 36-inches diameter or greater, it does not appear as if Phase 3 requires any Woodland Replacement Credits.

3. It should be noted that the deciduous trees, evergreen trees and shrubs currently proposed all appear to be acceptable species per the City's Woodland Replacement Tree Chart (attached). The applicant shall review and revise the perennials and ground cover (and grasses) list to ensure that all species being proposed for Woodland Replacement Credit are species native to Michigan. The ground cover, perennials, and grasses, aside from prairie dropseed and little bluestem, are not species native to Michigan.

## This comment still applies. In addition, hemlock is not an approved Woodland Replacement species. Please refer to the Woodland Replacement Tree Chart (attached) for acceptable Woodland Replacement tree species.

4. A Woodland Permit from the City of Novi would be required for proposed impacts to any trees 8-inch diameter-at-breast-height (DBH) or greater and located within an area designated as City Regulated Woodland, or any tree 36-inches DBH regardless of location on the site. Such trees shall be relocated or replaced by the permit grantee. All deciduous replacement trees shall be two and one-half (2 <sup>1</sup>/<sub>2</sub>) inches caliper or greater and count at a 1 tree-to-1 Woodland Replacement credit ratio and all coniferous replacement trees shall be six (6) feet in height (minimum) and count at a 1.5 tree-to-1 Woodland Replacement credit ratio. All Woodland Replacement trees shall be species that are listed on the City's Woodland Tree Replacement Chart (attached).

## This comment still applies. Based on the Woodland Replacement Plan, the applicant proposes to replace 82.5 of the required 197 Woodland Replacement Credits (approximately 41%) on-site.

5. A Woodland Replacement Performance financial guarantee for the planting of on-site replacement trees will be required. This financial guarantee will be based on the number of on-site woodland replacement trees (credits) being provided at a per tree value of \$400.

# This comment still applies. Based on the Woodland Replacement Plan (Sheet L101) a total of 82.5 Woodland Replacement Credits are to be provided on-site. Therefore, the Woodland Replacement Performance Guarantee will be \$33,000 (82.5 On-Site Woodland Replacement Credits x \$400/Credit).

6. Based on a successful inspection of the installed on-site Woodland Replacement trees, the Woodland Replacement financial guarantee will be returned to the Applicant. A Woodland Maintenance financial guarantee in the amount of twenty-five percent (25%) of the original Woodland Replacement financial guarantee will then be provided by the applicant. This Woodland Maintenance financial guarantee will



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be kept for a period of 2-years after the successful inspection of the on-site woodland replacement tree installation.

## This comment still applies. Based on the current Plan, the Woodland Maintenance Guarantee will be \$8,250 (82.5 On-Site Woodland Replacement Credits x \$400/Credit x 0.25).

7. The Applicant will be required to pay the City of Novi Tree Fund at a value of \$400/credit for any Woodland Replacement Tree Credits that cannot be placed on-site. Currently, all of the required Woodland Replacement Credits are proposed through on-site plantings. However, the applicant shall review and confirm that the woodland removal and required Woodland Replacement information is correct and consistent.

## This comment still applies. Currently, the Plan proposes to pay 114.5 Woodland Replacement Credits to the City's Tree Fund. This payment would therefore be \$45,800 (114.5 Woodland Replacement Credits x \$400/Credit).

8. The Applicant shall provide preservation/conservation easements as directed by the City of Novi Community Development Department for any areas of woodland replacement trees to be installed in a currently non-regulated woodland area. The applicant shall demonstrate that the all proposed woodland replacement trees will be guaranteed to be preserved as planted with a conservation easement or landscape easement to be granted to the City. This language shall be submitted to the City Attorney for review. The executed easement must be returned to the City Attorney within 60 days of the issuance of the City of Novi Woodland permit. These easement areas shall be indicated on the Plan.

#### This comment still applies.

#### **Recommendation**

ECT currently does not recommend approval of the Revised PRO Concept Plan for Woodlands. The Applicant shall address the items noted in the *Woodland Comments* Section of this letter prior to receiving Woodland approval of the Plan.

If you have any questions regarding the contents of this letter, please contact us.



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Respectfully submitted, ENVIRONMENTAL CONSULTING & TECHNOLOGY, INC.

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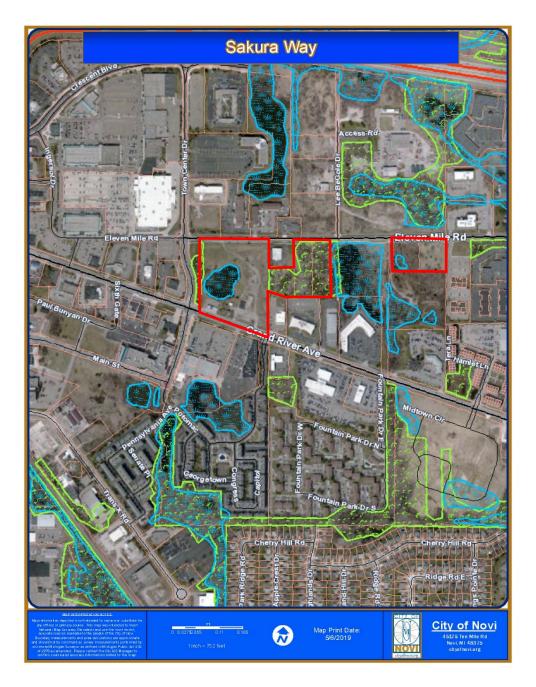
Pete Hill, P.E. Senior Associate Engineer

cc: Lindsay Bell, City of Novi Planner Sri Komaragiri, City of Novi Planner Madeleine Kopko, City of Novi Planning Assistant Rick Meader, City of Novi Landscape Architect

Attachments: Figure 1 – City of Novi Regulated Wetland and Woodland Map Woodland Tree Replacement Chart Site Photos



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**Figure 1**. City of Novi Regulated Wetland & Woodland Map (approximate parcel boundary shown in red). Regulated Woodland areas are shown in green and Regulated Wetland areas are shown in blue.



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## Woodland Tree Replacement Chart (from Chapter 37 Woodlands Protection) (All canopy trees to be 2.5" cal or larger, evergreens as listed)

Common Name	Botanical Name	
Black Maple	Acer nigrum	
Striped Maple	Acer pennsylvanicum	
Red Maple	Acer rubrum	
Sugar Maple	Acer saccharum	
Mountain Maple	Acer spicatum	
Ohio Buckeye	Aesculus glabra	
Downy Serviceberry	Amelanchier arborea	
Smooth Shadbush	Amelanchier laevis	
Yellow Birch	Betula alleghaniensis	
Paper Birch	Betula papyrifera	
American Hornbeam	Carpinus caroliniana	
Bitternut Hickory	Carya cordiformis	
Pignut Hickory	Carya glabra	
Shagbark Hickory	Carya ovata	
Northern Hackberry	Celtis occidentalis	
Eastern Redbud	Cercis canadensis	
Pagoda Dogwood	Cornus alternifolia	
Flowering Dogwood	Cornus florida	
American Beech	Fagus grandifolia	
Thornless Honeylocust	Gleditsia triacanthos inermis	
Kentucky Coffeetree	Gymnocladus diocus	
Walnut	Juglans nigra or Juglans cinerea	
Eastern Larch	Larix laricina	
Tuliptree	Liriodendron tulipfera	
Tupelo	Nyssa sylvatica	
American Hophornbeam	Ostrya virginiana	
White Spruce_(1.5:1 ratio) (6' ht.)	Picea glauca	
Black Spruce_(1.5:1 ratio) (6' ht.)	Picea mariana	
Red Pine_(1.5:1 ration) (6' ht.)	Pinus resinosa	
White Pine_(1.5:1 ratio) (6' ht.)	Pinus strobus	
American Sycamore	Platanus occidentalis	
Black Cherry	Prunus serotina	
White Oak	Quercus alba	
Swamp White Oak	Quercus bicolor	
Scarlet Oak	Quercus coccinea	
Shingle Oak	Quercus imbricaria	
Burr Oak	Quercus macrocarpa	
Chinkapin Oak	Quercus muehlenbergii	
Red Oak	Quercus rubra	
Black Oak	Quercus velutina	
American Basswood	Tilia americana	



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Photo 1. Looking west towards area of mapped City Regulated Woodland on the western side of the project (ECT, July 16, 2019).



**Photo 2**. Looking south towards regulated Trees #21 and #24 (ECT, July 16, 2019). These two (2) trees are regulated due to their diameter (i.e., greater than 36 inches).



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Photo 3. Looking east at area of mapped City Regulated Woodland on the central/eastern portion of the project (near parcel 50-22-23-126-011 and 50-22-23-226-007 boundary), ECT, July 16, 2019.



**Photo 4.** Tree No. 1290 (21" silver maple) located on ECCO Tool property and proposed for removal. Trees were marked with aluminum tags allowing ECT to compare the tree diameters reported on the Plan with the existing trees in the field.



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**Photo 5**. Tree No. 1290 (21" silver maple) located on ECCO Tool property and proposed for removal. Trees were marked with aluminum tags allowing ECT to compare the tree diameters reported on the Plan with the existing trees in the field.



**TRAFFIC REVIEW** 

### ΑΞϹΟΜ

AECOM 27777 Franklin Road Southfield MI, 48034 USA aecom.com

Project name: JSP19-0019 Sakura Way Revised PRO Concept Traffic Review From: AECOM

Date: November 1, 2019

To: Barbara McBeth, AICP City of Novi 45175 10 Mile Road Novi, Michigan 48375

CC: Sri Komaragiri, Lindsay Bell, Kate Richardson, Madeleine Kopko, Victor Boron

## Memo

Subject: JSP19-0019 Sakura Way Revised PRO Concept Traffic Review

The revised PRO concept site plan was reviewed to the level of detail provided and AECOM recommends **denial** for the applicant to move forward until the condition that the comments provided below are adequately addressed to the satisfaction of the City.

### **GENERAL COMMENTS**

- The applicant, Sakura Novi, LLC, is proposing a walkable mixed-use community with a hotel, grocery store, office buildings, tea house, restaurant, and 68 townhomes between Eleven Mile Road and Grand River Ave, east of Town Center Drive. A third phase of development would include a 52 unit residential townhome development south of Eleven Mile Road and roughly 1,200 feet west of Meadowbrook Road. Access points for this development would be on Eleven Mile Road only.
- 2. Eleven Mile Road is under the jurisdiction of the City of Novi. Grand River Avenue is under the jurisdiction of Oakland County.
- 3. The parcels are zoned OSC, OS-1, and I-1. The applicant is proposing rezoning the area to TC-1 with a PRO.
- 4. The traffic related deviations requested by the client are discussed in the Requested Deviations section of this letter.

### **TRAFFIC IMPACTS**

1. AECOM performed an initial trip generation estimate based on the ITE Trip Generation Manual, 10<sup>th</sup> Edition, as follows:

ITE Code: 220 Multi-Family housing (Low-Rise), 850 Supermarket Development-specific Quantity: 68 (220), 30 (850) Zoning Change: As indicated above for PRO

Trip Generation Summary				
	Estimated Trips	Estimated Peak- Direction Trips	City of Novi Threshold	Above Threshold?
AM Peak-Hour Trips	33+115=148	25+69=94	100	Yes

PM Peak-Hour Trips	42+318=360	26+162=188	100	Yes
Daily (One- Directional) Trips	473+3203=3676	N/A	750	Yes

2. The number of trips exceeds the City's threshold of more than 750 trips per day and 100 trips per either the AM or PM peak hour. These estimates include only two (2) of the proposed sections of the development, which indicates that total trips for the development, including the restaurants, hotel, and office buildings, would be even greater. AECOM recommends performing the following traffic impact studies in accordance with the City's requirements.

Trip Impact Study Recommendation		
Type of Study: Justification		
Rezoning Traffic Impact Study	The applicant is proposing rezoning the parcels and so a rezoning traffic study comparing the trips possible under the current and proposed zoning, as well as the proposed land use, is required. A TIS Addendum containing the RTS information was submitted and a brief review is included in this letter.	
Traffic Impact Study	The proposed developments exceed the City of Novi thresholds for requiring a Traffic Impact Study. A TIS was submitted by the applicant and was reviewed under a separate letter. The TIS Addendum is reviewed below.	

### **RTS/TIS COMMENTS**

The following comments relate to the TIS Addendum submitted as part of the revised PRO Concept package.

- 1. The proposed development is expected to result in more trips on Saturday peak hour than the maximum permitted under the existing zoning. However, the report preparer expects the number of new trips to be less than the total permitted under the existing zoning, due to pass-by trips and internal capture.
- 2. The preparer conducted a capacity analysis at the driveway for the Phase 3 development. The total trips are expected to be low and the delay for all approaches is expected to be LOS B or better during all peak periods.
- 3. The preparer conducted a turn lane warrant analysis for the right turns into the development.
  - a. The image of the warrant provided lists 76 right turns during the PM peak period. It is unclear how this number was calculated.
  - b. The applicant indicates an ADT of 8,936 for 2028.
  - c. With the 76 right turns during the PM peak hour and an ADT of 8,936, a right turn taper is required as per City ordinance. Both the TIS and the TIS addendum submitted by the applicant indicate that a taper is required yet the site plan does not show a taper. The site plan provided and should be revised to show a taper.

### **EXTERNAL SITE ACCESS AND OPERATIONS**

The following comments relate to the external interface between the proposed development and the surrounding roadway(s).

- 1. The applicant is proposing four (4) or five (5) points of access to the development, as follows:
  - a. Two (2) driveways off of Grand River Avenue.
  - b. Two (2) or three (3) driveways off of Eleven Mile Road.

- If the non-residential development for phase 2 in the northeast corner of the site is used, there is an additional driveway. If the area is developed using the residential section, only two (2) driveways will be present.
- c. The applicant has provided some driveway dimensions and details that are in compliance with City standards but should label for all driveways, including width and radii, for the proposed access points, and any modifications to the external roadways to review compliance with City and County design standards, as applicable.
- 2. The east development (Phase 3) has one (1) driveway off Eleven Mile Road
  - a. The driveway dimensions are in compliance with City standards.
- 3. The applicant should review Section 11-216(d)(1) of the City's Code of Ordinances to confirm that the allowable number of site driveways is provided.
- 4. The applicant should confirm that the proposed driveways meet the same side spacing requirements as indicated in Section 11-216(d)(1)(d) and Figure IX.12 of the City's Code of Ordinances and dimension the spacing on the plans.
  - a. The easternmost driveway on Grand River Avenue appears to not meet driving spacing with the driveway to the east.
- 5. The western driveway on Grand River Avenue is a right-in/right-out only driveway.
- 6. The applicant has included sight distance measurements for the driveways along Grand River Avenue and Eleven Mile Road that are in compliance with Figure VIII-E of the City's Code of Ordinances.
- 7. The applicant is proposing sidewalk along Grand River Avenue that connects to existing sidewalk on the east side of the site. There is existing sidewalk along Eleven Mile Road for the length of the site.
  - a. The applicant has provided proposed sidewalk and ramp details and included the latest Michigan Department of Transportation (MDOT) sidewalk ramp detail.

## **REQUESTED DEVIATIONS**

The following comments relate to the requested deviations.

- 1. Deviation 5: The applicant is seeking a deviation for parking setback along 11 Mile Road. Parking is required to be 25' from the ROW line. The proposed distance is 10'. Applicant states this deviation is essential to accommodate existing conditions to avoid excessive modifications for short term use.
  - a. AECOM would support the deviation for the parking lot along 11 Mile Road but not the spaces along the main drive (as shown in Figure 5.3.13 of the Zoning Ordinance).
- 2. Deviation 11: The applicant is seeking a deviation for parking setback in the NE corner, which is 6'.
  - a. AECOM would support this deviation.
- 3. Deviation 14: The applicant is seeking loading zone requirement reductions, for amounts specified in the site plan.
  - a. AECOM would support the deviation provided the applicant can provide truck turning movements that show the loading zones can be accessed by the relevant vehicles. The applicant provided truck turning movements to loading area A but should also show movements for loading areas B and C to ensure accessibility.
- 4. Deviation 20: The applicant is requesting a deviation for drive lane width in Residential Phase 1. A total width of 20' is requested as the deviation width. The ordinance requirement is 24' or 22' where no parking is present, as is the case for this location, resulting in a reduction of 2' requested.
  - a. AECOM would support this deviation in the vicinity listed, as long as signage is put in place indicating no parking is allowed outside of marked spaces in the residential area. While two (2) passenger vehicles can pass each other as indicated in the diagram on sheet C-2.2, emergency vehicles are wider, typically more than 8' wide, making a 20' roadway a tight fit for fire or medical emergency vehicles to access if vehicles are parked.

## **INTERNAL SITE OPERATIONS**

The following comments relate to the on-site design and traffic flow operations.

- 1. General Traffic Flow
  - a. The site generally appears to be accessible to passenger vehicles.
  - b. The applicant has provided fire truck turning paths to ensure accessibility.
  - c. The applicant has provided dimensions for the landscape areas radii throughout the development.
  - d. The applicant has generally indicated curb heights adjacent to parking spaces to be 4" throughout the development. Note that 6" curbs are required along all landscape areas, except when in front of a 17' parking space where a 4" curb is permitted.
  - e. The applicant has indicated no more than 15 consecutive parking spaces, which is in compliance with the City's Zoning Ordinance, Section 5.5.3.C.ii.i.
  - f. The applicant is required to provide a loading zone in the amount of 10 square feet for each front foot of building, per TC-1 (planned PRO zoning) district requirements in Section 5.4.
    - i. The applicant has identified loading zones for three (3) of the proposed buildings.
    - ii. The applicant should provide truck travel patterns throughout the site to confirm accessibility to/from loading zones B and C.
    - iii. The applicant has indicated they are seeking a deviation for loading zone areas.
  - g. The applicant has proposed trash receptacles at the majority of the proposed buildings.
    - i. The applicant should confirm that the trash receptacles are accessible by trash collection vehicles via turning movement paths.
    - ii. There are no trash receptacles indicated in the Phase 3 development area.
- 2. Parking Facilities
  - a. The applicant should reference the Planning Review letter for information regarding required off-street parking quantities.
    - i. The applicant is proposing surface lot spaces in Phase 1 and parking structure spaces, as well as surface lot spaces, in Phase 2.
  - b. The proposed parking lot parking space dimensions are generally in compliance with City standards; however, curb heights should be provided to confirm space length dimensions are appropriate. The applicant should reference Section 5.5.3.C.ii for additional information about required curb heights in relation to parking space length.
    - i. If a 17' space is provided with a 4" curb, a 2' clear overhang, free from signs or other barriers, must be provided.
  - c. The applicant is generally proposing 9' wide parking spaces within the attached parking facility, which matches the required standard.
  - d. The applicant is proposing 23 barrier free parking spaces. A total of nine (9) barrier free spaces are required of the 472 parking spaces proposed in Phase 1. The applicant has indicated the proposed dimensions for the accessible parking spaces.
    - i. The applicant has indicated which spaces are intended to have van accessible signs. However, spaces on both sides of the 8' aisles may be considered van accessible. The applicant could consider marking the spaces on both sides as van accessible. Five (5) spaces are marked van accessible, which exceeds the minimum of two (2).
      - 1. One (1) of the spaces marked as van accessible, adjacent to building "B", does not have the required 8' aisle. The sign should be updated to be non-van accessible or the aisle widened.
  - e. Barrier free parking spaces should be indicated at the east development.
  - f. The applicant has generally indicated 24' aisles. Several aisles in the residential area of the development are indicated to be 20' or 21' wide. The applicant should increase the widths of these aisles to be 24' in order to be in compliance with Section 5.3.2 of the City's Zoning Ordinance.

- i. The applicant has indicated they are seeking a deviation for the width of the aisles.
- g. If the deviation for reduced parking is granted, the applicant is required to provide 19 bicycle parking spaces for the Phase 1 mixed-use development portion of the proposed area and 14 for the residential area, totaling 33 spaces. The applicant has provided 40 spaces.
  - i. The development of the Phase 2 area may require additional bicycle parking in both the mixeduse and residential areas.
  - ii. The applicant has indicated bicycle parking on the south and east sides of building A, the west side of building B, and the southwest corner of proposed building E, as well as in the garages of the residential area.
    - 1. The applicant should indicate the building entrances on the site plan to allow for identifying the distance from the bicycle parking to the entrances. Bicycle parking spaces are to be no more than 120 feet from the building entrances being served.
    - 2. Bicycle parking is required to be separated from vehicle parking and access aisles by a raised curb, landscape area, sidewalk, or other method, as per Section 5.16.5.D of the City's Zoning Ordinance.
  - iii. The Zoning Ordinance, Section 5.16.4 provides the following covered bicycle parking space requirement: Unless waived or modified as provided in subsection 5E, when twenty (20) or more bicycle parking spaces are required, twenty-five (25) percent of the bicycle parking spaces shall be covered bicycle parking spaces.
    - As the spaces in the garages of the residential section are not for public use, the mixeduse portion of the development is considered separately. Under Phase 1, the 19 spaces required do not require any covered spaces. When Phase 2 is constructed, a total of nine (9) spaces (25% of the 36 required) must be provided as covered bicycle parking in the mixed-use portion of the development.
  - iv. The applicant has provided the design of proposed bicycle racks.
  - v. The applicant has provided the proposed bicycle parking layout. **Paved pathways with a** minimum width of 6' are required from the bicycle parking to roadway facilities or other mixed-use pathways. Ramps should be provided from along the paved pathway.
  - vi. The Phase 3 development will require bicycle parking. At one (1) space per five (5) units, a total of 11 spaces will be required as per the Zoning Ordinance.
- 3. Sidewalk Requirements
  - a. The applicant should provide sidewalk width details throughout the site.
  - b. The applicant has indicated locations of and details for all proposed sidewalk ramps throughout the site and included the latest MDOT sidewalk ramp detail.
  - c. It should be noted that all bicycle parking facilities shall be accessible from adjacent street(s) and pathway(s) via a paved route that has a minimum width of 6'.

## SIGNING AND STRIPING

- 1. All on-site signing and pavement markings shall be in compliance with the Michigan Manual on Uniform Traffic Control Devices (MMUTCD). The following is a discussion of the proposed signing and striping.
  - a. The applicant has provided a signing quantities table but should additional details (MMUTCD designation and proposed size) in future submittals. This information should be provided in the quantities table.
  - b. The applicant should review the location of the applicable signing at the proposed right-in/right-out driveway along Grand River Avenue. The channeling island could be revised to further discourage left turns into and out of the driveway. The orientation of the "No Left Turn" sign in the island is incorrect.
  - c. Signing for the Phase 3 development should be provided.
- 2. The applicant has provided the following notes and details related to the proposed signing.

- a. Single signs with nominal dimensions of 12" x 18" or smaller in size shall be mounted on a galvanized 2 lb.
   U-channel post. Multiple signs and/or signs with nominal dimension greater than 12" x 18" shall be mounted on a galvanized 3 lb. or greater U-channel post as dictated by the weight of the proposed signs.
- b. The applicant should indicate a bottom height of 7' from final grade for all signs installed.
- c. The applicant should indicate that all signing shall be placed 2' from the face of the curb or edge of the nearest sidewalk to the near edge of the sign.
- d. Traffic control signs shall use the FHWA Standard Alphabet series.
- e. Traffic control signs shall have High Intensity Prismatic (HIP) sheeting to meet FHWA retroreflectivity requirements.
- 3. The applicant has included parking space striping notes to indicate that:
  - a. The standard parking spaces shall be striped with four (4) inch white stripes.
  - b. The accessible parking space and associated aisle should be striped with four (4) inch blue stripes.
  - c. Where a standard space is adjacent to an accessible space, abutting blue and white stripes shall be installed.
- 4. The applicant has provided a detail for the proposed international symbol for accessibility pavement markings that may be placed in the accessible parking space. The symbol shall be white or white with a blue background and white border with rounded corners.
- 5. The applicant has provided a detail for the proposed crosswalk markings.

Should the City or applicant have questions regarding this review, they should contact AECOM for further clarification.

Sincerely,

AECOM

of Bouh

Josh A. Bocks, AICP, MBA Senior Transportation Planner/Project Manager

atricia a Thomason

Patricia Thompson, EIT Traffic Engineer

FAÇADE REVIEW



October 18, 2019

City of Novi Planning Department 45175 W. 10 Mile Rd. Novi, MI 48375- 3024 Façade Review Status Summary: Section 9 Waiver recommended contingent upon revision to façade materials on Residential Units.

### Re: FACADE ORDINANCE REVIEW Sakura Way PRO, JZ19-31 Façade Region: 1, Zoning District: OSC & OS-1,

Dear Ms. McBeth;

The following is the Facade Review for the above referenced project. The review of Buildings A, B and C is based on the drawings prepared by Wah Yee Associates Architects, dated 10/2/19. The review of the residential buildings is based on the drawings prepared by Brian Neeper Architecture and Robertson Brothers Homes, dated 9/27/19. The proposed percentage of materials on each elevation is shown in the table below. The maximum percentage allowed by the Ordinance is shown in the right hand column. The Façade Ordinance requires 30% minimum Brick on all buildings in Façade region 1. In this case all buildings except several of the residential units fall in Façade Region 1. Materials in non-compliance, if any, are highlighted in bold. A sample board as required by Section 5.15.4.D was not available at the time of this review.

Building A & D (Specialty Grocery)	South (Front)	West	East	North	Façade Ordinance Section 5.15 Maximum
Brick	31%	38%	31%	37%	100% (30% Minimum)
Concrete "C" Brick	0%	0%	23%	26%	25%
Fiber Cement Siding (Nichiha)	23%	16%	0%	0%	25%
EIFS	18%	27%	36%	30%	25%
GFRC Panels	12%	13%	3%	3%	15%
Precast Concrete	0%	0%	0%	0%	0%
Fabric Awning	4%	3%	0%	0%	10%

Building A - As shown above, the applicant has increased the percentage of Brick and reduced the percentage of Precast Concrete. The only remaining deviation is a minor overage of EIFS on the west, east and north facades. A Section 9 Waiver would be required for this deviation.

Building B (Restaurant)	South	West	East	North	Façade Ordinance Section 5.15 Maximum
Brick	35%	35%	27%	30%	100% (30% Minimum)
Flat Metal Panels	49%	54%	51%	49%	50%
EIFS	13%	11%	16%	15%	25%
Limestone (Cast Stone)	0%	0%	0%	0%	50%
Trim (canopies and sunscreens)	3%	0%	6%	6%	15%

Building B - As shown above the applicant has added Brick and reduced the percentage of EIFS and Flat Metal Panels. The only remaining deviation is a minor overage of EIFS on the west and east facades. A Section 9 Waiver would be required for this deviation.

Building C (Retail Strip)	South (Grand River)	West	East	North (Interior Front)	Façade Ordinance Section 5.15 Maximum
Brick	51%	40%	32%	59%	100% (30% Minimum)
Flat Metal Panels	17%	10%	24%	12%	50%
Fiber Cement Siding (Nichiha)	0%	0%	0%	0%	25%
Spandral Glass	7%	0%	0%	0%	50%
EIFS	11%	40%	29%	12%	25%
Limestone (Cast Stone)	8%	4%	11%	8%	50%
Concrete "C" Brick	0%	0%	0%	0%	25%
Trim (canopies and sunscreens)	6%	6%	4%	9%	15%

Building C - As shown above the applicant has added Brick and reduced the percentage of Flat Metal Panels. The only remaining deviation is a minor overage of EIFS on the west facade. A Section 9 Waiver would be required for this deviation.

Fence and Dumpster Enclosure	Front	Rear	Right	Left	Façade Ordinance Section 5.15 Maximum
Brick	95%	95%	95%	95%	100% (30% Minimum)
Cast Stone	5%	5%	5%	5%	50%

Site Fence and Dumpster Enclosure – As shown above, all facades are in full compliance with the Façade Ordinance. The project logo sign is not considered part of the façade materials and should comply with the City's Sign Ordinance.

<b>Residential</b> 100 Series, 3, 5, 6 & 8 -Unit Buildings	Front	Rear	Right	Left	Façade Ordinance Section 5.15 Maximum
Brick	39%	41%	53%	53%	100% (30% Minimum)
Vinyl Siding	23%	25%	41%	41%	0%
Asphalt Shingles	16%	24%	0%	0%	50%
Trim	22%	10%	6%	6%	15%

100 Series Residential Buildings - As shown above the applicant has increased the Brick and reduced the percentage of Vinyl Siding. Vinyl Siding is not permitted in any Façade Region. We would support a Section 9 Waiver for the overage of siding provided that the type of siding is changed to Cement Fiber Siding or other more compliant type of siding.

Residential 200 Series, 5, & 8 -Unit Buildings	Front	Rear	Right	Left	Façade Ordinance Section 5.15 Maximum
Brick	33%	16%	37%	37%	100% (30% Minimum)
Vinyl Siding	40%	47%	58%	58%	0%
Asphalt Shingles	14%	20%	0%	0%	50%
Trim	13%	17%	5%	5%	15%

200 Series Residential Buildings - As shown above the applicant has increased the Brick and reduced the percentage of Vinyl Siding. The percentage of Brick on the rear façade remains in noncompliance. Vinyl Siding is not permitted in any Façade Region. We would support a Section 9 Waiver for the overage of siding provided that the type of siding is changed to Cement Fiber Siding or other more compliant type of siding and the percentage of Brick on the rear façade be increased to for consistency with the Series 100 buildings (not less than 30%). Recommendations (Commercial Buildings) – In response to our prior review the applicant has added significant percentages of Brick and generally revised the percentages of materials to more closely comply with the Façade ordinance. The facades include architectural features such as wood trellises, brise-soleil sunscreen canopies, freestanding metal screens, second story planters and balconies, tension fabric canopies, and large overhanging cornices. Although Building C has its rear elevation facing Grand River Avenue (south) that elevation has been given equal attention to detail as the front (north) facade. These features substantially enhance the overall design quality of the project and have been taken into consideration as part of our recommendation.

Residential Buildings – It is recommended that the type of siding be revised to a compliant type such as Fiber Cement and that the percentage of Brick on the rear façade of the 200 Series buildings be increased for general consistency with the Series 100 buildings (30% minimum).

With the aforementioned revisions we recommend that the application will be consistent with the intent and purpose of the Façade Ordinance and that a Section 9 Waiver be granted for the following deviations:

- 1. The overage of EIFS on west, east and north facades of Buildings A&D.
- 2. The overage of Flat Metal Panels on the west and east facades of Building B.
- 3. The overage of EIFS on the west facade of Building C.
- 4. The overage of Cement Fiber Siding (changed from vinyl) on all facades of the 100 Series buildings

The applicant should submit revised drawings along with the Façade Material Sample Board required by Section 5.15.4.D of the Ordinance.

If you have any questions regarding this review, please do not hesitate to call.

Sincerely, DRN & Architects PC

Douglas R. Necci, AIA

FIRE REVIEW



#### **CITY COUNCIL**

Mayor Bob Gatt

Mayor Pro Tem Dave Staudt

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Director of EMS/Fire Operations Jeffery R. Johnson

Assistant Chief of Police Erick W. Zinser

Assistant Chief of Police Scott R. Baetens

#### Novi Public Safety Administration

45125 Ten Mile Road Novi, Michigan 48375 248.348.7100 248.347.0590 fax

cityofnovi.org

October 11, 2019

TO: Barbara McBeth- City Planner Sri Ravali Komaragiri- Plan Review Center Lindsay Bell-Plan Review Center Madeleine Kopko-Planning Assistant

RE: Sakura Way **PSP# 19-0150** PSP# 19-0112 PSP# 19-0065

### <u>Project Description:</u> Multi building development off of Grand River and Town Ctr Dr.

#### Comments:

- All fire hydrants MUST in installed and operational prior to any building construction begins.
- Fire hydrant spacing is 300' from fire hydrant to fire hydrant. Fire hydrant spacing shall be measured as "hose laying distance" from fire apparatus. Hose laying distance is the distance the fire apparatus travels along improved access routes between hydrants or from a hydrant to a structure (D.C.S. Sec. 11-68 (f)(1)c))
- The ability to serve at least two thousand (2,000) gallons per minute in single-family detached residential; three thousand (3,000) gallons per school areas; and at least four thousand (4,000) gallons per minute in office, industrial and shopping centers is essential. (D.C.S. Sec.11-68(a))
- Fire apparatus access drives to and from buildings through parking lots shall have a minimum fifty (50) feet outside turning radius and designed to support a minimum of thirty-five (35) tons. (Throughout site) (D.C.S. Sec 11-239(b)(5))
- 1. In front of building 9 from the west to the south.
- 2. In front of building 9 from north to the east.
- 3. In front of building 11 from the west to the north.
- 4. In front of building 3 from the south to the west.
- 5. In front of building 2 from the east to the south.
- 6. In front of building 5 from the north to the west.
- 7. Between buildings 2 & 3 from the north to the east and from the north to the west.
- FDC's MUST be put on the plans for review.
- FDC locations MUST be within 100' from a fire hydrant. FDC's MUST be front/road side of the structure. **IFC 912.3**
- The water main on the east side of building 12 MUST be increased to 8". Novi City Ordinance #11-68(c)(1)c.

• ALL water mains MUST be put on the plans for review.

Recommendation: APPROVED WITH CONDITIONS

Sincerely,  $\sim$ 67

Kevin S. Pierce-Fire Marshal City of Novi – Fire Dept.

cc: file

PROJECT NARRATIVE





October 2<sup>nd</sup>, 2019

City of Novi Planning Department 45175 Ten Mile Road Novi, MI 48375

Re: PRO Site Plan Submittal Project Narrative Sakura Novi & The Residences at Sakura Novi Novi, MI

#### **PROJECT OVERVIEW**

Robert B. Aikens & Associates, LLC and Robertson Brothers Homes are pleased to submit a PRO Rezoning and Site Plan application for properties near Town Center Drive between Grand River Avenue and 11 Mile Road. The development team has been working with City staff to develop for the community *Sakura Novi*, an Asian-themed, mixed-use development in the heart of downtown Novi on land owned by the City of Novi, land owned by Ecco Tool Co. and land owned by the Stoychoff's and M. Roberts.

The Anglin parcel, purchased in 2016 by the City of Novi, was identified in the 2016 Master Plan Update as one of three notable redevelopment sites in the City; and was deemed in the 2014 Town Center Area Study to be one of ten sub-areas in the Town Center Area. During 2016, leaders from the City of Novi and from Oakland County were contemplating the idea of an "Asian Village" to celebrate the cultural diversity for which Novi has come to be known. At the same time, the popular Japanese Grocery Market and long-term Novi institution, One World Market, expressed an interest in creating in Novi a new proto-type Asian Grocery Market and Food Hall. One World Market is a unit of True World Group, the largest distributor of fish to sushi restaurants in the United States. True World Group, along with the City and County, enlisted the services of Robert B. Aikens & Associates, LLC to bring to life this broad vision, now known as Sakura Novi. Anchored by the 25,000 sf Grocery Market / Food Hall, Sakura Novi will also include a carefully curated collection of Asian restaurants and retail uses, a grouping of distinctively appointed townhomes, along with other amenities intended to strengthen Novi's downtown core.

The development team, urged on from the start by members of City Council, extended the land acquisition East across parcels owned by Ecco Tool Co to reach to another parcel owned by the City of Novi. This effort was in order to incorporate up to 68 townhome-style apartments, and more fully realize the City's vision for a walkable, mixed-use facility. This portion of the development, called *The Residences at Sakura Novi*, is led by Robertson Brothers Homes. The townhomes will range in size between 1100 and 1500 square feet. Over the past decades, Robertson Brothers has had success with this mix of townhomes and is confident the project will be well received in Novi. The Residences at Sakura Novi will be managed in the context of the wider Sakura Novi campus as an apartment community. Elevations of the homes have been attached for consideration. Phase 3 will be known as The Residences at Sakura Novi, East, and this will include an additional 52 residential units.





Sakura Novi, a walkable mixed-use project, will feature the existing Anglin retention pond carefully reinvented as one of the primary site and community amenities. Understanding the City's stated enthusiasm for the potential of the pond as a community amenity, the developer has striven to resurrect this site and activate the pond as a feature, working in the context of the well-known difficulty with the soils throughout the site. Activation and integration will require a certain amount of building adjacent to the water feature.

With gardens as per Sakura Novi's Asian inspiration, the water feature will be surrounded by natural elements, including a walking path, cherry trees and other distinctive components. These green elements will carry through to a Common lawn in the residential site and through to the city-owned wetlands to the East of the site.

#### PLANNED REZONING OVERLAY

A Planned Rezoning Overlay zoning district is proposed for the site. The purpose of the PRO district is intended to establish a set-criteria for a given property based on the unique characteristics of the land. Specifically, the proposed project is unique in that, as per the 2016 Master Plan Update, it represents an opportunity to transform an area at the center of the City that has been identified by the City as a potential and desirable redevelopment area. The uniqueness of the site comes from the fact that it is largely unimproved and sits at the heart of downtown Novi.

The proposed use of the land will add an exciting and unique collection of pedestrian-friendly grocery, restaurant and retail uses, and will be integrated with existing and new residential developments, in a green and walkable environment that will open a great swath of Downtown Novi to the on-going development of a more dense, functional downtown core. The project's future residents will help provide a critical mass of customers that will drive the creation and further success of desired commercial activity in the entire district. The townhome units will seek to serve demand for the "missing middle" typology that communities struggle to provide.

#### PHASING

Sakura Novi is envisioned in 3 basic phases:

- Phase 1 will feature the 25,000 sf Japanese grocery market / food-hall created by True World Group , a restaurant and retail collection, and a 68-unit townhome apartment project. At the completion of Phase 1, the Phase 2 land that remains will be grassed development pads. The time-line for the development of Phase 1 is, at present, a function of meeting the conditions within the Purchase Agreement with the City of Novi. Once we identify the time-line for meeting the conditions within the PA, we will more accurately be able to estimate a Phase 1 project time-line. Once the City land is purchased by the developer, our estimated time-line for Grand Opening is approximately two years.
- The Phase 2 uses are being presented in the current submittal package as two extremes of a range of development options. The plans submitted detail a minimum density scenario seen as immediately viable by the development team, and also a maximum density scenario that has been contemplated with our traffic, parking and comparative development demand studies. The Phase 2 timing and uses are currently TBD, and will be fully dependent on market forces. Phase 2 of Sakura Novi anticipates the possibility of adding more residential units, hotel or senior living facility, office, and more retail and restaurants, among other potential uses. Language pertaining to Phase 2 options will be further refined during the preparation of the PRO Agreement.





• Phase 3, The Residences at Sakura Novi, East, is a residential project with 52 additional units directly east of the Phase 1 residential site.

#### ZONING

Sakura Novi consists of several parcels of land (#22-23-126-006, #22-23-126-011, #22-23-226-007, #22-23-226-008, #22-23-226-021 & #22-23-226-022) under contract with four separate owners totaling approximately 19 acres. The Anglin parcel, owned by the City, contains several vacant buildings that abut Grand River Avenue. These dilapidated structures will be removed to make way for the development. Ecco Tool Co has agreed to sell a portion of their raw land to accommodate the project, while keeping a portion of their site in order to continue to operate the family business.

The land is currently zoned OS-1, OSC and I-1. We are seeking to rezone these parcels to TC-1. The desired land uses for Sakura Novi as requested by Robert B. Aikens & Associates, LLC and Robertson Brothers Homes, as per the 2016 Master Plan Update and as per TC-1, include Retail businesses, Retail business service uses, Business establishments which perform services on the premises, Professional Services, Off-street parking lots, Restaurants, Offices, Outdoor public gathering places, Hotels, and Residential dwellings. All of these uses are included in the TC-1 classification. If appropriate opportunities present themselves, as part of Phase 2 a Special Land Use for the Sale of produce and seasonal plant materials outdoors and Brewpubs may also be sought.

If the land remains zoned as OS-1, OSC and I-1, we will not be able to create Sakura Novi. Sakura Novi and the creation of a walkable central core for Novi's downtown, rely on the lot density permitted as a part of the TC-1 Zoning classification. The basic setback parameters of the current classifications preclude the development of a more dense, walkable, appropriately scaled pedestrian environment. That is a core tenet of Sakura Novi. Phase 1 and possible Phase 2 land uses that will not be permitted if land remains OS-1, OSC and I-1 include Retail Businesses, Restaurants, Hotels, and Residential Buildings. In fact, the only allowable land uses under OS-1, OSC and I-1 featured in Phase 1 of Sakura Novi include Off-street parking lots and public gathering places. Possible Sakura Novi Phase 2 land uses that will be permitted include Retail business services, Business establishments which perform services on the premises, Professional Services, Off-street parking lots, Offices, and outdoor public gathering places.

The two parcels owned by Ecco Tool Co are currently zoned I-1. Ecco Tool Co. intends to retain approximately .9 acres of their land in order to continue to run the family tool and die shop. As per the provisional purchase agreement with Ecco Tool Co, the land retained by Ecco Tool Co will be rezoned to TC-1. However, the land retained by Ecco Tool Co will need to become an accepted non-conforming use within the TC-1 district, so as to allow Ecco Tool Co to continue as a tool and die shop. The PRO will include the company's access for delivery trucks on the retained parcel; which will require cross access rights. A draft of a Cross Access Agreement is available upon request. The PRO will provide the Ecco Tool Co retained parcel with 12 parking spaces on the retained parcel or access to parking spaces on the non-retained property or on the Anglin property to make up any shortfall.

#### **DUE DILIGENCE**





During Due diligence, the development team developed a better understanding of certain problems with the site. First, during the environmental evaluation, the pond was deemed a facility that will require environmental remediation. Second, the soils through the Anglin parcel have been identified through geo-technical research as unusually poor and loose. The City has expressed its willingness to partner on realizing their vision of the activation of the pond as a central amenity, first, by agreeing to make Brownfield Tax Credits a condition to close on the sale of the City-owned Anglin parcel; and, second, by supporting the creation of a Commercial Rehabilitation District on the site, and the issuance of certificates granting tax abatements for certain defined portions of the development.

#### WETLANDS

Onsite wetlands have been analyzed by Atwell, LLC as is provided with this submittal package. The pond to the West will function as a primary site feature as well as serve as the storm detention for the commercial portion of the project. There is a detention basin planned on the Eastern border, adjacent to the city retained retention wetland area that will also serve as storm detention for the residential portion and the Ecco parcel to remain in operation. Required wetland mitigation areas are anticipated to be developed as part of the same watershed, with final areas derived during the permitting process.

#### **SECTION 7.13 2.B**

Section 7.13 2.B. of the City of Novi Zoning Ordinance identifies conditions required as part of a PRO rezoning request, as follows:

1. The location, size, height or other measure for and/or of buildings, structures, improvements, setbacks, landscaping, buffers, design, architecture and other features shown on the PRO Plan.

The Sakura Novi development identifies the proposed setbacks and building sizes, Landscaping, design and other features on the proposed PRO plan submission package.

There are several deviations to be requested from the TC-1 Zoning District regulations, and there are several site specific reasons for this. The TC-1 classification matches recent classifications on adjacent properties, and is suitable for the Novi Downtown district development being proposed. The requested Zoning provides the greatest latitude to develop a walk-able, more dense level of varied occupancies suitable to this core neighborhood. Particular attention is being paid to the Town Center Area Study to create an inviting and connective pedestrian environment with this development, animated with not only dining options, shops and residences, but integrating the natural features of Novi's core in such a way as to delight the patrons and continue to entice people toward the core of this community. The deviations we are seeking pick up on suggestions as provided in the Town Center Area Study, and work together to provide the level of service expected by the residents of Novi and Oakland County.





2. Specification of maximum density or intensity of development and/or use, expressed in terms fashioned for the particular development and/or use, for example, and in no respect by way of limitation, units per acre, maximum usable floor area, hours of operation, and the like.

Phase 1 of the 19 acre site will feature a 25,000 sf grocery market / food-hall and approximately 20,000 sf of restaurants and retail that will operate at normal business hours for grocery markets, restaurants and retail. The development will additionally include 68 residential units, which is approximately 4.4 units per acre across the entire site. Phase 2 uses will be dictated by market dynamics, and could include more residential units, a hotel, more restaurants and retail, and some professional office uses.

3. Preservation of natural resources and/or features.

The western water feature will be showcased at Sakura Novi as a defining amenity of the site, and the residential community will be situated adjacent to the city-owned retention basin/wetland on the eastern edge of the site.

4. Facilities to address drainage/water quality.

The project will provide for storm detention utilizing the pond in the western portion of the site, and, in the eastern residential portion of the site in accordance with Oakland County standards relating to the use.

5. Facilities to address traffic issues.

A traffic study and parking study has been completed by Bergmann Associates and is included in this submittal package.

6. Preservation of open space.

Open space will be provided as a part of Phase 1 with the water feature and the surrounding walkways on the western portion of the site, through extensive common areas running throughout the commercial and residential portions of the site, and with the wetland on the Eastern edge of the site.

7. A written understanding for permanent maintenance of natural resources, features, and/or facilities to address drainage/water quality, traffic, open space and/or other features or improvements; and, provision for authorization and finance of maintenance by or on behalf of the City in the event the property owner(s) fail(s) to timely perform after notice.

Property Owners shall have an obligation to maintain the Western pond, detention facilities, wetlands, landscaping, drives/parking areas, pursuant to a recorded agreement TBD that runs with the land, and that Property Owners will commit that there is a responsible party who will be in charge of the maintenance of these items. Further, the property owner(s) will enter into any type of storm water facilities management agreement





required by the City which obligates the property owner to maintain all detention facilities and gives the City a selfhelp right in the event they do not.

Property Owners will grant the City the right pursuant to a recorded agreement(s) TBD to give a notice if the Owner is not maintaining properly, and if the failure is not corrected in a reasonable time, then the City reserves the right to enter the site and perform the repair/maintenance and charge the Owner the cost (plus the City's admin charge), and if not paid, Property Owners will grant the City the right to place it on the tax roll.

8. Other provisions proposed by the applicant and approved by the City.

Refer to the proposed PRO development plan submission.

9. Signage, lighting, landscaping, building materials for the exterior of some or all structures.

Signage, lighting, landscaping, and building materials for the exterior of some or all structures will be in keeping with a contemporary Asian-inspired mixed-use community. Among other things, we are taking our cues from trends in design practiced by national and international food & beverage operators. Our intent is to create an environment amenable for said operators, as well as to create designs that will be unique to Sakura Novi, to Novi, and to Michigan. Our specific recommendations on achieving this are spelled out to the best of our abilities through our submission materials. Furthermore, our plans include development of higher tier possibilities for softscape and hardscape to be realized through partnership with the corporate community and regional institutions. We have already initiated a partnership with the STAMPS School of Art and Design at the University of Michigan to help source critical creative components.

10. Permissible uses of the property.

The requested land uses as per the 2016 Master Plan Update and as per TC-1 for the range of development outlined in the Phasing Plan may include Retail businesses, Retail business service uses, Business establishments which perform services on the premises, Professional Services, Off-street parking lots, Restaurants, Offices, Outdoor public gathering places, Hotels, and Residential dwellings. All of these uses are included in the TC-1 classification. A Special Land Use for the Sale of produce and seasonal plant materials outdoors and Brewpubs may also be sought.

#### LIST OF REQUESTED DEVIATIONS

Sakura Novi's List of requested deviations from TC-1 Ordinance standards is included here:

 Per section 3.27.1.C, Deviation is being requested for reduction of Exterior side yard setback dimension of 50' to 10' for Building A, where adjacent to Zoning B-3 commercial property (Advance Auto). RBA believes maintaining the stipulated setback would serve no good purpose as the commercial retail use on the adjacent parcel is similar in use to the uses proposed in Building A and for all GRA accessed components of proposed development. If this deviation is not obtained, the development will suffer from a large swath of the prime frontage along GRA being unusable for building footprints and useful parking, and will be





unable to accommodate the driving anchor tenant's requirements. Providing cohesively designed and integrated frontage along the GRA corridor, as opposed to fractured and separate, serves the intent of Novi's Master Plan.

- 2. Per section 3.1.26, Deviation is being requested for reduction of Exterior side yard parking setback dimension of 10' to 5' for the western parcel line near Grand River Avenue, adjacent to Zoning classification TC, a woodland preserve and green space preserve area (in perpetuity) directly adjacent. RBA believes the benefits presented by increasing the main western pedestrian project entrance sidewalk width and landscaping generosity greatly outweigh the value of additional landscaping provided against this natural, mature woodland preserve area. If this deviation is not obtained, the proposed development will provide a less significant public connection to the GRA/Main Street intersection and the adjacent city center developments, or unnecessarily need to reduce the proposed building footprints, reducing income and rendering the project un-viable. Providing cohesively designed and integrated pedestrian connections along the GRA corridor serves the intent of Novi's Master Plan.
- Deviation per Section 11-216(d)(1) removed Deviation is being requested for 3 entrances from project onto Grand River Avenue, concurrent with the findings of the Traffic Report confirming this third easternmost entrance as proposed and where proposed will ease pressure on left eastbound turning movements out of site during peak times.
- 4. Per Section 3.6.2.M, a Deviation is being requested for reduction to 0' Wetland Setback to accommodate remediation process, development of feature landscaped retention basin on western portion of site and for careful integration of on-site detention on far eastern portion of site, abutting city-owned retention/wetland basin. Noted in Wetland Report. The deviation is essential to accommodate the environmental remediation process, the integration of the re-contoured and thematically planted perimeter banks, and to develop the central park-like pedestrian paths and water feature area accessible to Novi's public, designed to connect the existing Main Street area to the OSC development areas and hotels to the north. If this deviation is not obtained, creation of the public spaces and urban connectivity as envisioned in Novi's Master Plan will be far too consumptive of linear space for this particular site to be efficiently and effectively developed.
- 5. Per Section 3.1.26 Deviation is being requested for existing and proposed side/front yard parking along 11 Mile Road. Existing occurs at Ecco Tool shop. Proposed occurs in two locations see PRO plan. The deviation is essential to accommodate the existing conditions of an existing use to remain. If this deviation is not obtained, extensive modifications would need to be made for an unimproved, grandfathered use that is anticipated to be relocated in the near term.
- 6. Deviation per Section 5.5.3.B.ii.f removed Per Section 5.5.3.B.ii.f Deviation is being requested for reduction in setback from 20' to 10' for temporary paved parking field along 11Mile ROW in Phase2 section of development, to be supplanted with future structured parking. See PRO plan. This deviation is of a practical nature in anticipation of, and when considering the maximum potential build out foreseeable for this city central project site, consistent with Novi's Master Plan's intent. If this deviation is not obtained, significant construction complications are anticipated for the maximum potential build out foreseeable for this city central project site.





- 7. As a component of the Maximum Build-out scenario, Per Section 5.5.3.B.ii.f Deviation is being requested for reduction in setback from 20' to 10' for temporary paved parking field along 11Mile ROW in Phase2 section of development, to be supplanted with future structured parking. See PRO plan. This deviation is of a practical nature in anticipation of, and when considering the maximum potential build-out foreseeable for this city central project site, consistent with Novi's Master Plan's intent. If this deviation is not obtained, significant construction complications are anticipated for the maximum potential build-out foreseeable for this city central project site.
- 8. As a component of the Maximum Build-out scenario, Per section 3.27.2.A.ii, Deviation is being requested for 11Mile buildings' frontages being less than 150'. Example: Building E currently contemplated as approximately 80'. Seeking height bonus as permitted for 6 level building E, with composition of uses as described/shown in chart on PRO plan. This deviation is essential when considering the maximum potential build-out foreseeable for this city central project site, consistent with Novi's Master Plan's intent.
- 9. As a component of the Maximum Build-out scenario, Per section 3.27.1.f, Deviation is being requested for standardized Open Space requirements for Phase2. Open Space is defined in the ordinance thusly: Open Space: An area of land that remains primarily undeveloped and in its natural state. For the purpose of this Ordinance, open space may include park lands and park facilities so long as they are provided as a part of an open space area. There will no longer be ground on this site in its natural state. This standard is not conducive to achieving an effective development result when the goal is dense development where site sizes are limited (under 50 acres or so). This deviation is essential for all projects when considering the maximum potential build-out foreseeable for this city central project site, consistent with Novi's Master Plan's intent. Phase1 has been designed to meet the city's ordinance, but Phase2 will need the deviation if density beyond townhomes is desired.
- 10. Per Section 3.27.1.C Deviation request is removed for 11Mile frontage building setback limits.
- 11. Per Section 3.1.26 Deviation is being requested for parking area setback in NE corner of project along 11 Mile Rd., adjacent to Residential Bldg3. See PRO plan. This deviation is of a practical nature as it is used in conjunction with the dropping natural grade along 11Mile Road at the east end of the site. This deviation allows more residential units to have their primary exposure and uninterrupted views toward the natural area to the east, as opposed to being elevated significantly above grade and overlooking 11 Mile Road, clearly less desirable to the occupants, fitting with the City's Master Plan intent of integrating existing natural features into new developments. If this deviation is not obtained, a harsh and unnecessary condition will be created, inconsistent with the project's desire for more natural features integration.
- 12. Per Non-Motorized Master Plan Deviation request is removed along 11 Mile frontage submission as proposed includes connection to existing bike path on north side of road (considered to be a Neighborhood Connector Route). Per Section 3.27.1.1 Deviation is being requested for reduction in sidewalk width from 12.5' to 6', such that sidewalk as proposed can be combined with adjacent landscaping as added buffer for residential product to be used in conjunction with maximum permitted setback. This condition is proposed for the length of the 11Mile Road project frontage. See PRO Landscape Plans. This deviation is of a practical nature in anticipation of the true quantity of pedestrian activity at the perimeter of the proposed TC 1 district, and is consistent with Novi's Master Plan's intent. An existing bike path is located on the north side of 11Mile Road, meeting the needs of the City's Non-





Motorized Master Plan. If this deviation is not obtained, a harsh and unnecessary condition will be created, inconsistent with the project's desire for more natural features integration, which is consistent with the City's Master Plan.

- 13. Per Section 5.15 and 3.27.1.g Deviation is requested for facade material exceptions included as part of the submittal, addressing comments received by city's architectural consultant. See PRO Plan Elevations. Also see included written Design Statements. The deviation is sought to accommodate the expectations of the international tenants and residents for distinctive enhancement and differentiation of this unique development destination project. This deviation allows the creation of environments more specifically tuned to the thematic Asian Village concept development that is being proposed, consistent with the intent of the City's Master Plan. If this deviation is not obtained, the significance of this unique, market specific development will be compromised. If this deviation is not obtained, creation of an authentically presented Asian Village will not be possible.
- 14. Per Sections 3.27.1.H and Section 5.4 Deviation is being requested for limited reductions in loading/service areas, and locations, as shown See PRO plan and accompanying chart detail. Deviation is requested for loading areas as positioned. Screening will be provided for all trash/loading areas not facing a directly adjacent loading area. This deviation provides for sufficient tenant loading and trash services, and allows for the creation of environments more specifically tuned to the thematic Asian Village concept development that is being proposed, consistent with the intent of the City's Master Plan. If this deviation is not obtained, significantly larger service areas will need to be provided in obtrusive areas that will adversely affect pedestrian traffic, which is not consistent with the City's Master Plan.
- 15. Per Section 3.27.2.B Deviation is being requested for prototype store relocation opportunity. Tenant will contain 25,000sf on main level with 3,500sf support office use and 1,500sf overflow seating on mezzanine level. Tenant will have entrances on both permanent public building exposures, meeting the 125' maximum spacing criteria. See PRO plan. This deviation provides for the relocation of an existing Novi retailer, consistent with the City's Master Plan, and allows for the creation of an environment more specifically tuned to the thematic Asian Village concept development that is being proposed. If this deviation is not obtained, One World Market's development of a new prototype store and as the Asian Village anchor may be forced to relocate outside of Novi, which is not consistent with the City's Master Plan.
- 16. Deviation per Section 5.16.1 is being removed for bicycle parking ratio on residential portion of overall project. Bicycle parking to be provided on Retail portion of project will exceed ordinance in Phase1 based on Parking Study recommendations for overall parking required.
- 17. Per Section 5.7.3.K Deviation is being requested for site Illumination level variance for multiple walkway areas, and for TC-1 fixture style selection. Site walkway areas will vary below 0.2fc minimum standard on natural pathway around water feature. Site walkway areas in residential portion will vary below 0.2fc minimum standard. Parking area in residential area will fall below 0.2fc minimum standard. See revised PRO photometric plan. This deviation provides for sufficient nighttime illumination levels for the natural pedestrian path around the water feature, and for appropriate site illumination levels within the residential portions of the project. If this deviation is not obtained, the residential portions of the project will exist with an unnatural and undesirably high lighting level during the nighttime hours, which will be detrimental to their occupants and leasing ability, which is not consistent with the City's Master Plan.





- 18. Per Chapter 28 of the City Code, and per the Sign Design and Review Manual for Novi TC-1 District Deviation is being requested for TC-1 project tenant signage size standards – number and project signage types and shapes and areas calculations based on dual-language signage as part of authentic Asian Village. Project requires dual-language signage for authentic presentation of international tenants and clientele expectations. Many tenants will have both front (facing ROW) and rear (primary) entrances. Per 28-5.c.1.a, an increase of 200% over standards is required to accomplish the dual language signage. Per 28-5.c.1.b, (2) signs of equal permitted size are requested for each typical retail/restaurant tenant, as well, as most tenants will have pedestrian entrances on 2 separate facades. Per 28-5.c.1.d, (2) signs of equal permitted size are requested for each project interior retail/restaurant tenant (not fronting public streets), consistent with other project lease space, and permitted sign area needs to be calculated as per 28-5.c.1.a. Per 28-5.c.2.b, Signage style and type, as well as materials and illumination standards shall not adhere to the Sign Design and Review Manual for Novi TC-1 District. TC-1 specific standards were developed, and still reference, a single development project undertaken 20+ years prior. 28-5.e.1.a, an increase of permitted projecting sign area to match primary signage area allotted up to 72sf maximum, 28-5.e.2.a, an increase to 45sf of total area. The deviation is essential to accommodate the needs of the international tenants intended to provide their signage in both the characters of their native language along with the English translation of their names. If this deviation is not obtained, creation of an authentically presented Asian Village will not be possible as envisioned by Novi, and as supported by the intent of the City's Master Plan.
- 19. Chapter 28-10 of the City Code, and per the Sign Design and Review Manual for Novi TC-1 District Deviation is being requested for removing prohibition of 28-10.a.3 string lights, exposed luminaire strip lights or neon tubes along building edges or other locations, 28-10.a.4 animated signs. These elements, video display screens and/or animated LED lighting systems as part of public entertainment feature opportunity, are crucial to an authentic Asian environmental experience. Certain components are anticipated as part of Phase2 development. The deviation is sought to accommodate the needs of the international corporate community to drive their endorsement and future sponsorship opportunities as the project evolves into its future phase(s). If this deviation is not obtained, creation of an authentically presented Asian Village will not be possible.
- 20. Per Section 5.3.2 Deviation is being requested for drive lane reduction in residential Phase1. See supplemental detail on Civil Sheet C-2.2. This deviation provides for sufficient traffic movement clearances to satisfy resident, service and emergency vehicle needs in the residential portions of the project, while enhancing the Mixed-Use vibrancy of the overall development. Sufficient clearance has been provided to lanes to accommodate emergency vehicle turning movements. If this deviation is not obtained, the residential portions of the project will have an inappropriate area allocated between units in the rear/service/alley space, which is not consistent with the City's Master Plan for developing density in this core district.
- 21. Per Section 3.27.1.C Deviation is being requested for Phase 1 internal site buildings A and B that exceed permitted setback limit from Grand River Avenue, and for future proposed Phase 2 buildings with setback greater than 10' to 11 Mile Road. Phase 2 buildings will be accessed via internal drive lanes, similar to proposed residential layout for Phase 1. See P1.1. This deviation provides for the ability for any developer to generate density throughout a project of this land area in classification TC-1. If this deviation is not





obtained, the proposed development will not be able to provide the future density desired and envisioned as part of this particular development site, which is not consistent with the City's Master Plan.

- 22. Per Section 3.27.1.i Deviation is being requested for 11 Mile Road 6' sidewalk width as proposed see PRO plan. The deviation is essential to provide sufficient landscaping material for the roadway screening for the uses proposed, while maintaining the maximum permitted TC-1 setback limit, and for connecting the natural features of the project to the adjacent land features. If this deviation is not obtained, creation of a beautiful and appropriately landscaped pedestrian thoroughfare will not be possible as envisioned by Novi, and as supported by the intent of the City's Master Plan.
- 23. Per ordinance 18.283 section 5.5.3.A Landscape Deviation is being requested for landscaping buffer shown. Proposed TC-1 zoning shall have a 6-8 ft ht berm or wall when adjacent to B3 zoning. Because the buffer area is only 12ft wide and the residents' living areas are on the 2<sup>nd</sup> & 3<sup>rd</sup> floors, we are proposing a continuous evergreen hedge to be maintained at 6' ht with densely planted deciduous canopy trees. A wall would serve no additional good purpose and the proposed plantings will provide a more aesthetic screen in keeping with the landscape design. If this deviation is not obtained, the proposed development will not be able to provide the future density desired and envisioned as part of this particular development site, which is not consistent with the City's Master Plan.
- 24. Buffer between commercial/residential parking lot and MF building 9 deviation removed as both uses are permitted uses within proposed TC-1 zoning.
- 25. Per ordinance 18.283 section 5.5.3.A proposed TC-1 zoning shall have a 10-15ft ht berm planted to achieve 80% opacity in winter and 90% opacity in summer. Because the distance from the face of the residential units to the property line is less than 30 ft. and has the following conditions:
  - a. The current I-1 use operates during the day and there are no building openings on the east side facing the TC-1 residential to create noise.
  - b. The I-1 parcel is proposed to be rezoned to TC-1 as a part of this project.
  - c. The residential unit living areas are on the second and third floors.

We are proposing a continuous evergreen hedge to be placed and maintained at 5' ht with densely planted upright canopy trees. A wall would serve no good purpose and the proposed plantings will provide a more aesthetic screen in keeping with the landscape design. If this deviation is not obtained, the proposed development will not be able to provide the future density desired and envisioned as part of this particular development site, which is not consistent with the City's Master Plan.

26. Per ordinance 18.283 section 5.5.3.C – Parking Area Landscape Requirements - A Landscape Deviation is being requested for parking area landscaping. All parking area layouts have been re-designed to provide additional landscaping and have achieved a net gain of over 2,000 sf of additional interior green space. The size of the parking areas have been reduced so that we now provide the green space required for the parking area total sf on site. Our prior submission provided just over 50% of the requirement. We are requesting a deviation from providing additional landscape as in order to do so, we will have to reduce the large areas devoted to landscaping the west detention pond perimeter. The Town Center Area Study recommends the pond to be a focal point and that it could be used to host community events which we are providing. We believe this large and contiguous landscaped amenity provides a much greater





community benefit. If this deviation is not obtained, the proposed development will be required to provide even larger overall parking lot areas along Grand River Avenue, which is not consistent with the City's Master Plan.

- 27. Per ordinance 18.283 sections 5.5.3.D and 5.5.3.F subdivision planting requirements A Landscape Deviation is requested for foundation plantings and interior roadway canopy tree requirements in front of the building garages. We believe the area in front of the garages should be excluded similarly as driveways are excluded. In order to provide interior roadway canopy trees adjacent to the garages the residential layout would need to change to a more suburban layout which would undermine achieving the density conducive of the TC-1 zoning. The proposed landscape meets all other requirements and we believe the landscaping density of this compact TC-1 development far exceeds the typical amount of landscaping for multifamily developments. If this deviation is not obtained, the proposed development will not be able to provide the density desired and envisioned as part of this particular development site, which is not consistent with the City's Master Plan.
- 28. Ecco Tool will remain as a part of this overall development, though its remaining parcel will be rezoned to TC-1 as a part of this redevelopment initiative. Ecco Tool will then be a non-conforming use until their operations cease. We require a deviation for this non-conforming use. The existing parcel occupant will be provided their own separate legal parcel as a division of their existing landholdings within the tracts. This deviation provides for the relocation of an existing Novi retailer, consistent with the City's Master Plan, and allows for the creation of an environment more specifically tuned to the thematic Asian Village concept development that is being proposed. If this deviation is not obtained, the proposed development will not be able to provide the amenities and density desired and envisioned as part of this particular development site, which is not consistent with the City's Master Plan.

#### LIST OF PUBLIC BENEFITS

There are many standard and many unique public benefits to Sakura Novi.

- 1. **Public benefit**: Developers will dedicate the right-of-way and future right-of-way along 11 Mile Road and Grand River Avenue to the City of Novi.
- 2. Public benefit: Developers wish to grant an easement to the City of Novi in the South-East corner of the Sakura Novi site, abutting Grand River Avenue, for the City to fund/provide a "Welcome to Novi" sign. The 2016 Master Plan Update indicates a desire that the Anglin parcel be a gateway to Novi's Town Center. This signage is an opportunity to create a clear statement to this effect, and expand on the original Town Center Area Study's desire to communicate to drivers exclusively, by designing to communicate to all Novi visitors, becoming a pedestrian amenity as well. See C-2.1 for proposed City signage area.
- 3. **Public benefit**. This proposed neighborhood-scaled development, and necessary Zoning change, will update the suggested parcel zoning to be in line with the intent of the 2016 Master Plan, and permit creation of the desired mixed-use, pedestrian accessible commercial service and residential development being proposed.





- 4. **Public benefit:** Space is being earmarked to accommodate structured parking in the Phase 2 development area, that could readily be utilized by a central parking agency or special assessment district in addition to and in coordination with the Developer's Phase 2 potential parking needs. This is a goal outlined as difficult to achieve in the Town Center Area Study.
- 5. **Public benefit**: Completing the redevelopment of the Anglin Parcel as a cohesive component of a walkable downtown. The Anglin parcel was cited in the 2016 Master Plan Update as one of the critical development opportunities in Novi, MI. A vision was created for a unique, well-designed, mixed-use facility different from anything else in Novi. Delivering a well-articulated plan that adheres to the vision outlined in the 2016 Master Plan is a public benefit.
- 6. Public benefit: Growing an important, existing Novi retailer, a stated objective of the 2016 Master Plan. One World Market, the well-regarded Japanese grocery market will build a new, large foot-print Asian Grocery-Market / Food Hall concept. True World Group, the largest distributor of fish to sushi restaurants in the United States, is investing in their market division through the expansion of their One World Market grocery store into a proto-type Asian Grocery Market / Food Hall. Historically, One World Market has served the large population of Japanese ex-patriots that cluster around Novi and work in the 270 Japanese auto companies and OEM suppliers arrayed from Novi to Ann Arbor. True World Group also operates Noble Fish in Clawson, widely regarded as offering the best sushi in Detroit; as well as the new White Wolf Japanese Patisserie.
- 7. **Public benefit**: Developer, with this proposed project, seeks to reinforce the overall vision as included in the 2014 Town Center Area Study:

Development of the Town Center Study Area will create a dynamic, attractive city core that provides residents and visitors with unique opportunities to participate in active community life and meet their needs for goods, services, housing, and entertainment.

Critically, Sakura Novi is a *unique* development; the first of its kind in Michigan and possibly the Midwest. The success of One World Market, and their desire to expand, indicates the strength in the area of the large Asian population and is a testament to Novi's diversity. The development of the One World Market Superstore enables the development of an Asian inspired development. The developer was brought into the process by One World Market, the City of Novi and Oakland County to execute on this concept on the City-owned Anglin parcel. This type of development, exemplified by Diamond Jamboree in Irvine, CA, is popular across the West Coast, South Coast and East Coast. Such facilities strengthen the intellectual capital of these regions by bringing critical lifestyle amenities to the highly educated knowledge workers necessary to compete in technology-intensive industries such as the mobility and automobile industries. Sakura Novi will provide metropolitan Detroit and the State of Michigan with such a lifestyle amenity.

8. Public benefit: Sakura Novi, with its unique collection of Market, restaurants and retail, is anticipated to be an economic engine downtown Novi; generating approximately 60 construction jobs, and 170 permanent jobs. While it is too early to share specifics, Robert B. Aikens & Associates LLC is widely regarded as one of the region's premier leasing firms and retail operators. Among other achievements, the team has curated the retail and restaurant collection at the Village of Rochester Hills since it was built in 2002. The residents of Rochester Hills benefit from the impact driven by businesses including Whole Foods Market, P.F. Chang's, Kruse & Muer, Mitchell's Fish Market, Bravo, Jagged Fork, Chipotle, Sephora,





Barnes & Noble, Lululemon Athletica, Pottery Barn, Williams-Sonoma, Evereve, Soft Surroundings, Woodhouse Day Spa, Toyology, and Banana Republic, among others.

- 9. Public benefit: The Residences at Sakura Novi will provide smaller footprint middle-market rate residential rental offerings in downtown. The proximity to office, restaurant and retail uses allows for alternative transportation options. The nearby Main Street Village project is a wait-listed residential community with a population that is approximately 60% Asian. The residents can walk to their Japanese Grocery Store, One World Market, and the families of ex-patriot professionals, whose language skills and driving skills might provide impediments to mobility, have found this feature to be an important draw. Uniquely, as the Japanese Grocery store migrates across Grand River Avenue onto a brand new Asian inspired campus, Sakura Novi is positioned to serve the residential needs of the large Asian community in Novi, as well as the many large corporations that sponsor many of these individuals and families.
- 10. Public benefit: Sakura Novi is anticipated to reinforce Novi's tax base beyond the project itself, as this project provides a unique opportunity to develop an important economic development engine. There are 270 Japanese, 55 Korean, and 50 Chinese automobile companies and OEM's around Novi. The development team seeks to create a platform that can foster partnerships amongst the City of Novi, cultural institutions and the corporate community. The development team is providing a beautiful softscape and hardscape environment for Sakura Novi; and is also developing a higher tier plan that upgrades the environment, through sponsorships and partnerships, with distinctly Asian amenities. For example, we are partnering with the STAMPS School of Art and Design at the University of Michigan and the Japan America Society to source a Japanese-themed illuminated applique that will be placed in a prominent location in a building over-looking Grand River Avenue. This is one example of the kinds of partnerships between the City, regional institutions, and the corporate community, so as to open the opportunity for further economic development in Novi.
- 11. Public benefit: To provide a park-like environment around and including the forlorn pond on the Anglin parcel. Activation of the pond as a central community amenity as envisioned by the 2016 Master Plan Update. It is anticipated that the public at large would use the path areas around the water feature and throughout the site for pedestrian activity and commuting; access would not be limited to those that intend to visit specific tenants or uses of the development. The development team has invested heavily to ensure this feature's centrality. Soil conditions around the pond are weak, with pockets of peat and losoe soils throughout the area. Developer plans call for a small building on the edge of the pond, despite extraordinary site work costs estimated at over \$1 mm. Without this building the pond might seem forlorn and abandoned. This building, along with landscaping and an engaging public walk, will activate the pond.
- 12. **Public benefit**: Fostering walkability and connectivity within an important corner at the heart of Novi's downtown. The "Sakura Novi" walking path will loop around the perimeter of the pond and proceed down a tree lined boulevard freckled with interesting stamped concrete patterns and several "pocket gardens" in key pedestrian locations, all connecting Grand River Avenue to the commercial development to a Commons at the center of the residential property.
- 13. Public benefit: Increase publicly accessible amenity quantities in downtown so as to energize areas beyond the Sakura Novi campus. We believe Sakura Novi can be a public-facing, walkable node, and that





this node can potentially serve to energize other areas in the Town Center core. On the South-West corner, Sakura Novi connects naturally to the sleepy Main Street development. As described, Sakura Novi creates a walkable environment internally featuring the Sakura Novi path that wraps the pond in the commercial development and proceeds through the residential district to the East. There is then an opportunity to create walkable connectivity to the City-owned lake to the East of the site; around a pastoral path to The Residences at Sakura Novi, East; thus integrating the Town Center district into a newly designed North-Eastern quadrant in anticipation of the long-anticipated completion of the Novi ring road – the Crescent Boulevard Eastern extension. None of these opportunities are activated without Sakura Novi.

- 14. **Public benefit**: Sakura Novi's design features, described in Architects' Design Statements, will set it apart and will help set Novi apart from other communities in Oakland County. The development team has strived for an authentic design within the context of Novi's historic ordinances. The team has aimed, to the best of its abilities, to create a bold, yet refined, aesthetic reminiscent of upscale shopping, dining and entertainment districts one may find today in places such as Osaka, Seoul, and Hong Kong.. We believe this distinctive style will reflect well on the diversity that has evolved organically over time in Novi, precipitated, in fact, by the extraordinary success of establishments including One World Market and the Sundai Michigan International Academy.
- 15. Public benefit: The existing TC-1 Sign Design and Review Manual is an outdated and restrictive document when considered with the existing signage ordinance. This document has arguably hindered leasing activity and desirability in current TC-1 zoned developments. Sakura Novi is pursuing a distinctive signage-criteria that will create a public benefit benchmark. The signage criteria will allow larger signs than per ordinance and allow for different materials, lighting, etc. than are permitted in the antiquated and inauthentic TC-1 package. The signage is meant to accommodate the needs of exciting restaurant and retail uses that will bring authenticity and substance to Sakura Novi's contemporary, cool environment. The signage is meant to enable Sakura Novi to utilize both English and Asian characters for the retail or restaurant uses, and still be legible given the speed of vehicular traffic along Grand River Avenue. The signage package is also meant to underscore that Sakura Novi is a cohesive, singular concept, a regional destination, and so help the development team to assemble in Novi an international blend of new and fresh merchant offerings.

#### LIST OF PROSPECTIVE PRO AGREEMENT CONDITIONS

Developer has started to draft a list of possible conditions, which will continue to evolve as the approval process continues:

- 1. Developer shall develop the Land in accordance with all applicable laws, ordinances, and regulations, including all applicable setback requirements of the Zoning Ordinance under the Proposed Classification, except as expressly authorized herein, and all storm water and soil erosion requirements and measures throughout the site during the design and construction phases of the Development, and during the subsequent use of the Land as contemplated in this Agreement.
- 2. The grass-land pads shown on the landscape plans shall be properly maintained as grass-land pads until such time that area is needed for Phase 2 uses to be developed.





- 3. The maximum number of dwellings to be constructed in Phase 1 shall be 68.
- 4. Phase 1 non-residential uses shall be limited to a 30,000 sf market; and restaurants and retail space totaling approximately 25,000 sf as shown on the PRO Concept Plan.
- 5. Woodland Tree Removals during phase 1 shall be approximately 101 trees, which shall require 197 replacement credits. Developer will plant a minimum of 82.5 credits on site. If mandated, all woodland replacement trees shall be permanently protected via a conservation easement or landscape easement. The remaining 114.5 credits not planted on-site will require a payment of \$400 per credit to the City of Novi Tree Fund. Language governing Phase 2 uses to be included within PRO Agreement terms.
- 6. Proposed parking is being provided as per Parking Study recommendation. Future phase parking requirements will also be a function of shared parking analysis.
- 7. Tentative completion dates have been added to the Project Narrative, and submitted as part of the PRO package.
- 8. WETLANDS: Impacts to the wetland and wetland buffer areas have been indicated and quantified and submitted as part of the PRO package. Specific remedies to be included in the PRO Agreement Conditions.
- 9. Deviations language and formatting has been modified to reflect the City's directive. The updated list has been submitted as part of the Narrative in the PRO package. All accepted deviations are to be included in PRO Agreement Conditions.
- 10. Future Phases beyond Phase 1 will require an optional deviation for Open Space standards to achieve maximum density see Deviation request #9.
- 11. The adjacent non-conforming Light Industrial use owned by Ecco Tool Co is to be addressed in the PRO Agreement conditions. The PRO Agreement Conditions will include the company's access for delivery trucks on the retained parcel; which will require cross access rights. The PRO will provide the Ecco Tool Co retained parcel with 12 parking spaces on the retained parcel or access to parking spaces on the non-retained property or on the Anglin property to make up any shortfall.

#### **CONSULTANTS**

The outside consultants involved with the project are as follows:

**Engineering Consultant:** 

Jim Butler, PEA, 2430 Rochester Court, Troy, Mł 48083 248-689-9090, Ext 1133





Architecture Consultants:

Matt Niles, Wah Yee Associates (Commercial) 42400 Grand River Avenue, #200, Novi, MI 48375 248-489-9160

Brian Neeper, Brian Neeper Architecture P.C. (Residential) 630 North Old Woodward, Suite 203 248-259-1784

#### Landscape Consultant:

Sue Grissim, Grissim Metz Andriese Associates 300 E Cady St, Northville, MI 48167 248-347-7010, Ext 222

Traffic Consultant:

Timothy Likens, Bergmann 7050 West Saginaw Hwy, Suite 200, Lansing, MI, 48917 517-827-8693

Wetland Consultant:

Don Berninger, Atwell, LLC 311 North Main, Ann Arbor, MI 48104 734-994-4000

Sakura Novi, LLC is pleased to present this concept plan for PRO consideration by the City. We believe the development will ultimately become a point of pride for responsible development at the heart of a robust downtown Novi.

Please let me know if any additional information is required at this time.

Thank you.

Respectfully/

G. Scott Aikens, Ph.D.

COMMUNITY IMPACT STATEMENT





### Sakura Way Community Impact Statement

1. Expected annual number of police/ fire responses for the proposed development (can be based on statistics from similar developments);

#### ANTICIPATED DEMANDS ON POLICE DEPARTMENT SERVICES

Based on the Police records for the year 2013 and the SEMCOG population estimate for the City of Novi for 2013 of 59,395 persons, the per capita response was one Police Department response for every 2.63 persons.

Commercial estimates provided by the City of Novi based on most recent year for similar size/type/zoned property on adjacent parcel.

**For Phase 1 residential,** based on an expected residential population of **170** persons (2.5 persons per household), it is estimated that **65** annual Police Department calls would be made from the residential project.

**For Phase 1 commercial,** based on the estimated proposed development uses and area, it is estimated that **62** annual Police Department calls would be made from the commercial project.

**For Phase 2 total residential,** based on an expected additional residential population of **120** persons (2.5 persons per household), it is estimated that **111** annual Police Department calls would be made from the residential project.

**For Phase 2 total commercial,** based on the estimated proposed development uses and area, it is estimated that **186** annual Police Department calls would be made from the commercial project.

#### ANTICIPATED DEMANDS ON FIRE DEPARTMENT SERVICES

After deducting a 30-percent factor for commercial, industrial, and office uses, the per capita response for the City of Novi during the year 2013, was 102.3 persons per Fire Department run.

Commercial estimates provided by the City of Novi based on most recent year for similar size/type/zoned property on adjacent parcel.

**For Phase 1 residential,** based on the estimated proposed development population of **170** persons, the total projected annual Fire Department responses is **2**.





**For Phase 1 commercial,** based on the estimated proposed development uses and area, the total projected annual commercial Fire Department responses is **19**.

**For Phase 2 total residential,** based on an expected additional residential population of **120** persons, the total projected annual Fire Department responses is **3**.

**For Phase 2 total commercial,** based on the estimated proposed development uses and area, the total projected annual commercial Fire Department responses is **57**.

The project is located near Fire Station No. 1 at 42975 Grand River Avenue. Due to the proximity of the fire station, response time is expected to be only a few minutes.

#### 2. Anticipated number of employees (include both permanent and construction jobs on site);

Approximately 60 construction jobs will be generated during Phase 1, lasting approximately 18 months. Approximately 60 construction jobs will be generated during Phase 2, lasting approximately 24 months.

Phase 1 of the commercial development will generate approximately 170 permanent jobs, and more temporary jobs. The residential development will generate approximately 2 permanent jobs. The number of permanent jobs generated by Phase 2 will range widely depending on whether uses are primarily residential or labor-intensive commercial uses.

# 3. Statement regarding compliance with City Performance Standards (Section 2519 of the Zoning Ordinance);

Robert B. Aikens & Associates, LLC and Robertson Brothers Homes will meet or exceed all building code requirements relating to performance standards.

# 4. Estimated number of sewer and water taps and information on peak hour demand and min/max operating pressures for water system;

The estimated number of sewer taps is 16 and the estimated number of water taps is 20 (separate water / fire taps for commercial buildings). Peak hour demand for sewer = 0.69 cfs. Peak hour demand for water = 357,000 gallons per day. At this stage of the process, we do not have an estimate for min/max operating pressures for water system.

5. Relationship of the proposed development with surrounding uses;





Neighboring uses surrounding Sakura Way in the Town Center Area include the Novi Town Center green space on the western border of the site; the Hotel / Office District North of the site; the Ecco Tool Co machine shop, to be rezoned under the PRO and excepted as a non-conforming use, on the Northern border of the site abutting 11 Mile; a City owned wetland to the East of the site; commercial uses to the South of the site and abutting Grand River Avenue to the North including an Auto-Zone, an office building, and an commercial building; and a retail / office TC-1 development across Grand River Avenue to the South.

#### 6. Description of proposed land use;

Sakura Novi, LLC is proposing during Phase 1 to include a 25,000 sf grocery store / food hall, 20,000 sf of restaurants and non-restaurant retail, and 68 townhome apartment units. In addition to the physical development, a water feature will be programmed surrounded by a walking path, gardens and Sakura trees, a public common area on the residential parcel, and a wetland area will be preserved on the eastern edge of the site.

#### 7. Description of the environmental factors and impacts addressing the following:

- a. Natural features on the site (e.g., unusual topography, habitat areas, wetlands, woodlands, historic trees, etc.
  - i. There is an unused, unmaintained pond that has developed wetland elements on the Western portion of the site. A prior owner of the Anglin parcel actively moved dirt around the site over many years resulting in a variety of materials and unsuitable soils across the site. There is a Wetland on the Eastern border of the site, abutting a city-owned and created storm retention wetland. There is a moderate grade change from the Western edge of the Anglin parcel down to the Eastern edge of the site, and a moderate decreasing grade change across the Anglin parcel from north to south.
- b. Temporary and permanent impacts to natural features on the site;
  - i. The pond on the Western portion of the site will be maintained, will have its perimeter articulated and upgraded as a site amenity, and will be utilized for partial site storm detention with pre-treatment. A detention basin will be developed on the eastern limits of the site being developed, as storm surge storage with pre-treatment prior to release into the city common retention pond/wetland on the Eastern edge of the site. The development will mitigate a portion of the wetland on the Eastern edge of the site, but preserve a portion as permanent wetland preserve.





- c. Manufacture, use or storage of any hazardous or toxic materials on the site including Environmental Protection Agency requirements and the need for a Pollution Incidence Prevention Plan (PIPP);
  - i. Not required due to use.
- d. Location, type, depth and contents of any existing or proposed underground storage tanks.
  - i. One existing underground septic system will be removed, and that system user will be connected to city sewer. Otherwise, no underground storage tanks will be required due to use.
- e. Environmental use and/or contamination history of the site (i.e., groundwater contamination, landfill, chemical spills, etc.);
  - i. A Phase I for the site and a prior Phase 2 ESA for the Anglin parcel indicated that the pond is a facility and will require environmental remediation. Brownfield tax credits are a condition to close on the sale of the Anglin parcel as per the Provisional Purchase Agreement between the City of Novi and Sakura Novi, LLC. The Phase 1 and prior Phase 2 ESA indicated no further major recognized environmental conditions, with the exception of potential pesticides from historic orchards and the potential environmental impact of an underground septic tank that has historically served Ecco Tool Co. A Phase II ESA report is currently being prepared to further understand environmental impact of the septic tank. Results of this study show that there are no new issues.
- f. Potential impacts to existing wildlife on site
  - i. Any impact on existing wildlife will be temporary.

#### 8. Description of the social impacts addressing the following:

- a. Replacement or relocation of any existing uses or occupants on the site;
  - i. Currently, the site is being used as storage for city seasonal equipment
- b. Traffic impacts (information can come from any required Traffic Impact Study or statistics from other similar developments when a study is not required);
  - i. A Traffic Impact Study is provided.





- c. Proposed site amenities (i.e., sidewalks, public parks, bicycle paths, etc.);
  - i. The pond on the West-side of the property will be programmed as a garden-like green-way and will be designed with accessible pathways connecting the existing Main Street development and surrounding pedestrian traffic with the improved parcels to the north of 11Mile and all uses within the proposed development. Accessible walks will be provided, as well as bike parking and open space hardscape amenities.
- d. Increases in the permanent population of the City as a result of the proposed development (specific number should be identified and statistics from similar developments can be used).
  - i. The commercial development will cause negligible change. Similar residential developments have indicated that approximately 2.5 new residents can be expected from each townhome, respectively, as a result of the development.

#### WETLAND DELINEATION LETTER

&

#### WETLAND MITIGATION OPTIONS



ONE COMPANY. INFINITE SOLUTIONS.

November 16, 2018

Mr. Scott Aikens R.B. Aikens & Associates, LLC 350 N. Old Woodward, Ste. 300 Birmingham, MI 48009

Atwell, LLC Project No. 18003457

Re: Wetland Delineation Letter Sakura Way City of Novi, Oakland County, Michigan

Mr. Aikens:

R.B. Aikens & Associates, LLC (Client) contracted Atwell, LLC (Atwell) to conduct a wetland delineation for an approximately 16.8-acre area in Sections 14 and 23 of Novi Township (Township 01 North, Range 08 East), Oakland County, Michigan (hereinafter referred to as "Site") to support a proposed development project. The Site is located in a highly developed area on the eastern side of Town Center Drive, between 11 Mile Road and Grand River Ave. Directly east of the Site is a pond, wooded areas, and commercial buildings. The Site itself is diverse, containing a residential home, commercial buildings, a gravel service road, maintained lawn, grassy areas, a wooded hedgerow, a woodlot, wetlands, and a pond. Refer to the enclosed *Site Location Map*.

The purpose of the wetland determination and delineation was to determine if wetlands, watercourses, and/or bodies of water are present on the Site and, if found, to establish whether they fall under the jurisdiction of the Michigan Department of Environmental Quality (MDEQ) by Part 303, Wetlands Protection; Part 301, Inland Lakes and Streams; or Part 31, Water Resources Protection, of the *Natural Resources and Environmental Protection Act, 1994 PA 451* (NREPA), as amended; and/or local ordinances.

The City of Novi (city) also regulates wetlands and watercourses under Chapter 12, Article V – Wetlands and Watercourse Protection, of the Novi Code of Ordinances. The City of Novi regulates wetlands that are: 1) contiguous to a lake, pond, river or stream; 2) two (2) acres in size or larger; and/or 3) less than two (2) acres in size but deemed essential to the preservation of the natural resources of the city under the criteria set forth in subsection 12-174(b). Subsection 12-174(b) states that all noncontiguous wetland areas of less than two (2) acres which appear on the City's wetlands inventory map, or are otherwise identified during a field inspection by the City, shall be analyzed for the purpose of determining whether such areas are essential to the preservation of the natural resources of the City (City of Novi 2015b). Additionally, the City of Novi requires a setback of twenty-five (25) feet from the boundary of a wetland and twenty-five (25) feet from the ordinary high water mark of a watercourse (City of Novi 2015a).

Mr. Scott Aikens November 16, 2018 Page **2** of **6** 

In addition, Atwell reviewed the following data for any ecological and environmental constraints: aerial photography, U.S. Geological Survey (USGS) 7.5-Minute Topographic Maps, U.S. Fish and Wildlife Service (USFWS) National Wetland Inventory (NWI) Maps, Flood Insurance Rate Maps (FIRMs) provided by the Federal Emergency Management Agency (FEMA), and soil data from the Natural Resources Conservation Service (NRCS). A review of the wetland delineation site visit conducted on October 24, 2018 is summarized below.

#### Site Setting and Characteristics

A review of aerial photography and a site visit were conducted to characterize the Site and surrounding area. The surrounding landscape is highly developed, consisting of a mix of residential and commercial development, ponds, wetlands, and isolated forested areas. The Site itself is diverse, containing a residential home, commercial buildings, a gravel service road, maintained lawn, grassy areas, a wooded hedgerow, a woodlot, wetlands, and a pond. The western portion of the Site is primarily maintained lawn with grassy areas. It is currently being used by the City of Novi Field Operations Division to store equipment and vehicles. Within the western portion of the Site also exists an abandoned car wash, a commercial building, and a residential home. The eastern portion of the Site is primarily wooded with another commercial building. Common trees in the eastern portion of the Site include silver maple (Acer saccharinum), eastern cottonwood (Populus deltoides), American elm (Ulmus americana), box elder maple (Acer negundo), black locust (Robinia pseudoacacia), and common buckthorn (Rhamnus cathartica). Brush hogging activities had recently been performed within the woodlot before the site visit. Shrubby or herbaceous plants found on-site include common buckthorn, Eurasian honeysuckle (Lonicera spp.), heath aster (Symphyotrichum ericoides), frost aster (Symphyotrichum pilosum), Canada goldenrod (Solidago altissima), giant goldenrod (Solidago gigantea), chickory (Cichorium intybus), red clover (Trifolium pratense), Fuller's teasel (Dipsacus fullonum), and common reed (Phragmites australis). The Site is relatively flat, but gradually decreases in elevation from west to east. The highest point within the Site is in the northwest corner.

#### Wetland Delineation

The wetland delineation was performed in accordance with the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0)* (USACE 2012). The delineation of any wetland depends on three basic parameters. These parameters are: 1) the presence of hydrophytic vegetation (plants adapted to living in saturated soils), 2) hydric soils (distinctive soil types that develop under saturated conditions), and 3) wetland hydrology (the presence of water at or near the surface for a specific period of time). The above parameters are virtually always inter-related and present in wetland systems.

In Michigan, wetlands are regulated by the MDEQ under Part 303, Wetlands Protection, of the NREPA. A wetland is considered regulated by the MDEQ if it is five (5) acres in size or larger, and/or if it is connected to or located within 500 feet of a lake, pond, river, or stream. Watercourses are regulated by the MDEQ under Part 301, Inland Lake or Streams, of the NREPA, if the body of water contains definite banks, a bed, and visible evidence of continued flow or continued occurrence of water.

Atwell conducted a wetland determination and delineation for the Site on October 24, 2018 and identified four (4) wetlands (Wetlands 1-4) on the Site, totaling approximately 2.81 acres. Atwell did not identify any watercourses on the Site. Please refer to the enclosed *Wetland Location Map* for

Mr. Scott Aikens November 16, 2018 Page **3** of **6** 

information and locations of the on-site wetlands or pond. Refer to the *Photographic Log* and *Wetland Data Forms* for site conditions and physical characteristics.

Pond 1 is an open water feature located in the western portion of the Site. The water is clear and submersed aquatic vegetation is visible from shore. It appears the average depth throughout the limnetic zone (open water) is greater than five (5) feet. The surface acreage of the pond is greater than 1 acre; therefore Pond 1 is likely regulated by the MDEQ and the City of Novi.

Wetlands 1 is a small isolated Palustrine Emergent (PEM) wetland located in a depression of the grassy area within the northwest portion of the Site. Hydrological indicators include algal mats and geomorphic position. Wetland vegetation includes grass-leaved goldenrod (*Euthamia gramInifolia*; FACW), yellow nutsedge (*Cyperus esculentus*; FACW), reed canary grass (*Phalaris arundinacea*; FACW), and sandbar willow (*Salix interior*; FACW) saplings. These species have a wetland indicator status of facultative wetland (FACW) indicating that they typically occur in wetlands under natural conditions. Wetland 1 likely receives water from precipitation and on-site runoff, resulting in a seasonally saturated water regime. Wetland 1 is isolated and less than 5 acres in size; therefore Wetland 1 is likely non-regulated by the MDEQ and potentially regulated by the City of Novi.

Wetland 2 is a PEM wetland containing an open water area, located in the western portion of the Site. Hydrological indicators include saturated soils and geomorphic position. Wetland vegetation includes common cattail (*Typha latifolia*; OBL), narrow leaf cattail (*Typha angustifolia*; OBL), and common reed (FACW). These species have a wetland indicator status of FACW or obligate (OBL), indicating that they typically occur in wetlands or almost always occur in wetlands under natural conditions. Wetland 2 likely receives water from precipitation, on-site runoff, and overflow from the open water area, resulting in a permanently saturated to seasonally inundated water regime. Wetland 2 is isolated and less than 5 acres in size; therefore Wetland 2 is likely non-regulated by the MDEQ and potentially regulated by the City of Novi.

Wetland 3 is a small PEM wetland within a constructed ditch in the southwest corner of the Site. The ditch is adjacent, but not contiguous with the on-site pond. Hydrological indicators include surface water up to approximately six (6) inches and geomorphic position. Wetland vegetation is exclusively common reed. Wetland 3 likely receives water from precipitation and on-site runoff, resulting in a permanently saturated to seasonally inundated water regime. The on-site pond observed to the northeast is located less than 500 feet from Wetland 3 is isolated and less than 5 acres in size; therefore Wetland 3 is likely non-regulated by the MDEQ and potentially regulated by the City of Novi.

Wetlands 4 is a large PEM/Palustrine Scrub-Shrub (PSS) wetland located in the eastern portion of the Site. This wetland extends off-site and is contiguous with another off-site pond. Hydrological indicators include saturated soils, surface water up to approximately three (3) inches, algal mats, and geomorphic position. Wetland scrub-shrub vegetation includes common buckthorn (FAC) and silky dogwood (*Cornus amomum*; FACW). Common herbaceous vegetation includes common cattail, sensitive fern (*Onoclea sensibilis*; FACW), grass-leaved goldenrod, purple loosestrife (*Lythrum salicaria*; OBL), and fringed willow herb (*Epilobium ciliatum*; FACW). These species have a wetland indicator status ranging from facultative (FAC) to OBL indicating that they are either equally likely to occur in wetlands or non-wetlands, usually occur in wetlands, or almost always occur in wetlands under natural conditions. Wetland 4 likely receives water from precipitation, on-site runoff, and overflow from the off-site pond, resulting in a

#### Mr. Scott Aikens November 16, 2018 Page **4** of **6**

permanently saturated to seasonally inundated water regime. Wetland 4 is contiguous with the off-site pond; therefore Wetland 4 is likely regulated by the MDEQ and the City of Novi.

According to the U.S. Department of Agriculture (USDA) NRCS Web Soil Survey, the soils contained within the Site have been mapped as Marlette sandy loam, 1 to 6 percent slopes (10B) and Capac sandy loam, 0 to 4 percent slopes (11B), both of which are considered hydric soils. The entire Site is classified as having hydric soils. Hydric soils are conducive to the growth and regeneration of hydrophytic vegetation by their ability to hold water for extended periods of time (USDA-NRCS 2010).

FEMA FIRMs were reviewed to determine if portions of the Site are mapped as floodplains, floodways, or other flood prone areas. These maps record the following data: 100-year (1% chance of annual flooding) and 500-year (0.2% annual chance of flooding) floodplains, the height of the base flood elevation, and the risk to premium areas developed across a floodplain. FEMA FIRM number 26125C0627F revealed that the Site does not contain a mapped 100-year floodplain. Atwell did not identify any watercourses on the Site. Therefore, it is Atwell's professional opinion that the Site likely does not contain state regulated floodplains under Part 31 of NREPA.

#### **Conclusions and Recommendations**

In conclusion, based on the desktop review of online databases and a site visit, the Site contains four (4) wetlands (Wetlands 1-4) and no watercourses. It is Atwell's professional opinion that one (1) of the delineated wetlands (Wetland 4) within the Site appear to meet the requirements of Part 303, Wetlands Protection, of NREPA. Therefore, Wetland 4 should be considered regulated by the MDEQ. Additionally, all four (4) wetlands are likely considered regulated by the City of Novi. FEMA FIRM number 26125C0627F revealed there are no mapped 100-year floodplains on the Site. Atwell did not identify any watercourses on the Site. Therefore, it is Atwell's professional opinion that the Site likely does not contain state regulated floodplain under Part 31 of NREPA.

A permit is required by the MDEQ for any proposed work (e.g., filling, dredging, construction, draining, and/or other development) that takes place within the boundaries of a regulated wetland, watercourse, or floodplain. Although most construction activities that take place outside of these boundaries do not require a permit from the MDEQ, the MDEQ has the final authority on the extent of regulated wetlands, lakes, streams, ponds, and floodplains in the State of Michigan. Additionally, a wetland use permit from the City of Novi is required for any work (e.g., filling, dredging, structures, construction, etc.) within a wetland or watercourse that is considered regulated by the City of Novi. Additionally, the City of Novi requires a setback of twenty-five (25) feet from the boundary of a wetland and twenty-five (25) feet from the ordinary high water mark of a watercourse (City of Novi 2015a).

We appreciate the opportunity to be of service to you on this project. Should you have any questions, please contact us at (248) 447-2000.

Mr. Scott Aikens November 16, 2018 Page **5** of **6** 

Sincerely,

.

ATWELL, LLC

EtJ. John

Ernest Schenk Environmental Technician Environmental Services Group

Enclosures: Site Location Map Wetland Location Map Photographic Log Wetland Data Forms

Don Bing

Don Berninger Team Leader Environmental Services Group

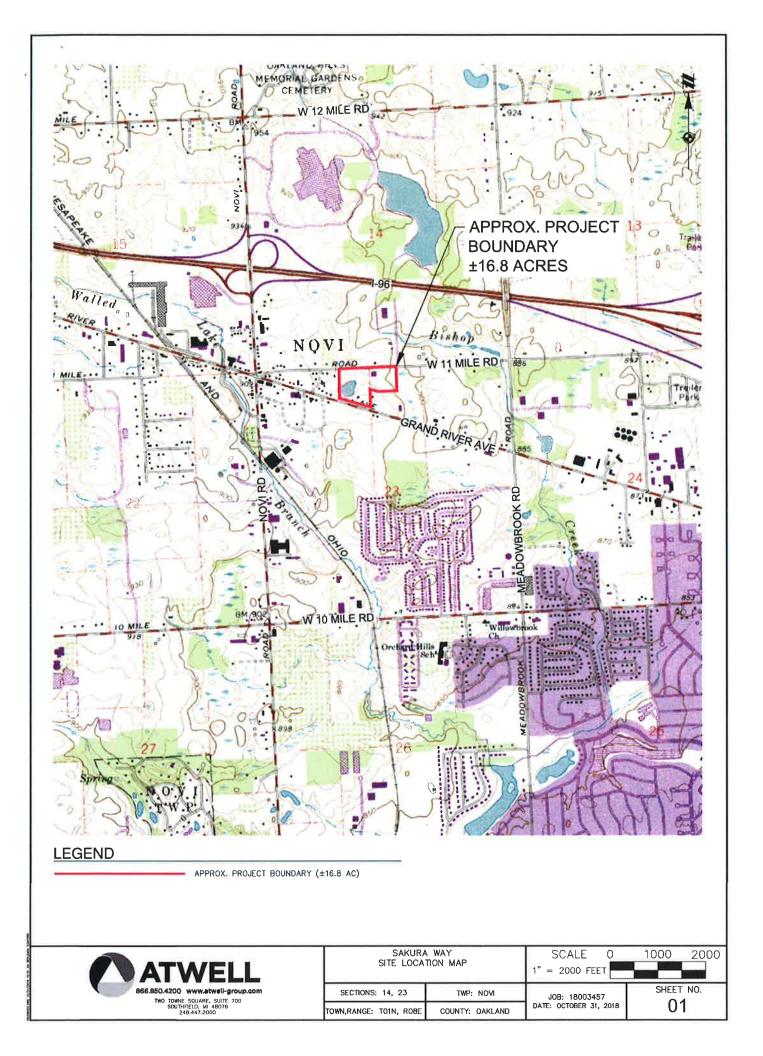
Mr. Scott Aikens November 16, 2018 Page **6** of **6** 

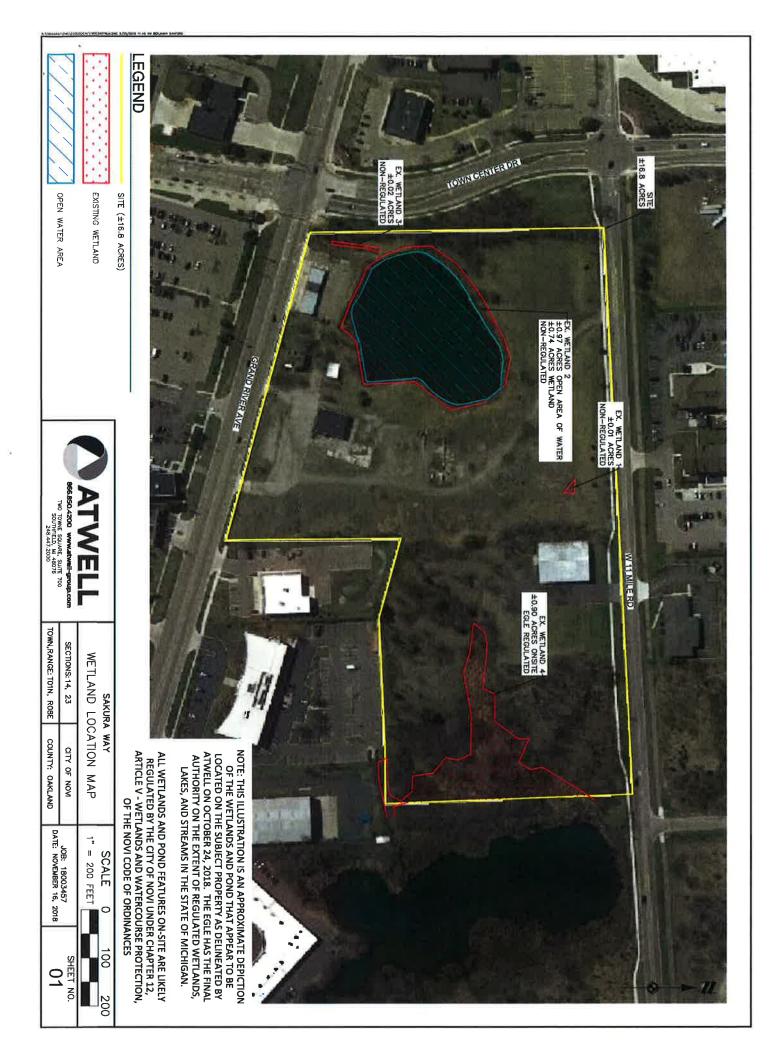
#### REFERENCES

- City of Novi. 2015a. *City of Novi Zoning Ordinance*. http://www.cityofnovi.org/City-Services/Community-Development/Codes,-Ordinances-and-Master-Plan/ZoningOrdinance.aspx.
- ———. 2015b. City of Novi Code of Ordinances. https://www.municode.com/library/mi/novi/codes/code\_of\_ordinances.
- USACE. 2012. "Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0)." ERDC/ EL TR-12-1. U.S. Army Engineer Research and Development Center.

http://www.usace.army.mil/missions/civilworks/regulatoryprogramandpermits/reg\_supp.aspx. USDA-NRCS. 2010. "Field Indicators of Hydric Soils in the United States (Version 7.0)."

http://www.nrcs.usda.gov/Internet/FSE\_DOCUMENTS/stelprdb1046970.pdf.



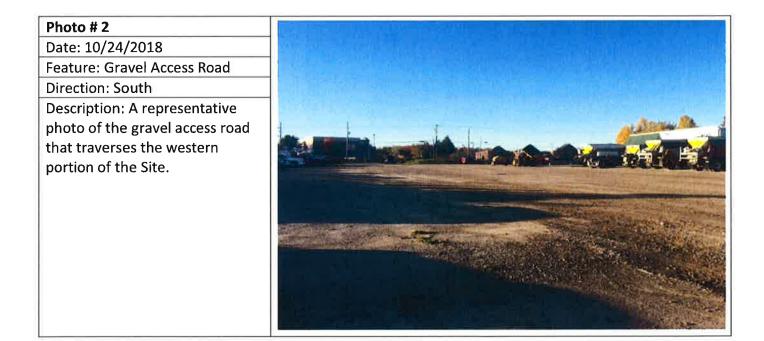




Wetland Delineation Letter Sakura Way Project No. 18003457

### **PHOTOGRAPHIC LOG**

Photo # 1	
Date: 10/24/2018	
Feature: Grassy Area	
Direction: North	
Description: A grassy area within the northwest portion of the Site.	





Wetland Delineation Letter Sakura Way Project No. 18003457

### PHOTOGRAPHIC LOG

Photo # 3 Date: 10/24/2018 Feature: Abandoned Car Wash Direction: South Description: One of the four existing buildings within the Site.



Photo # 4	
Date: 10/24/2018	
Feature: Woodlot	
Direction: East	
Description: A representative photo of the upland woodlot within the eastern portion of the Site.	



Wetland Delineation Letter Sakura Way Project No. 18003457

### **PHOTOGRAPHIC LOG**

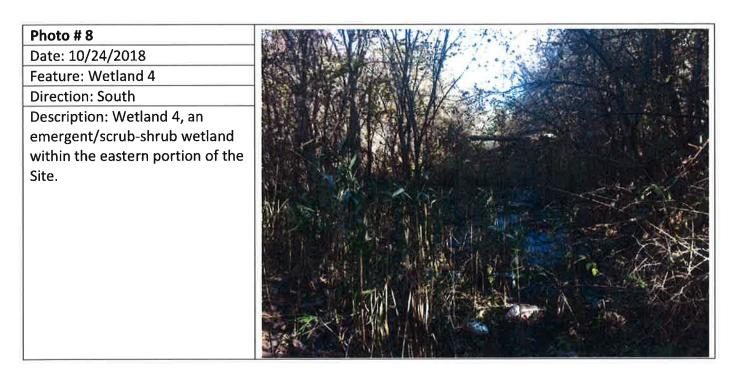
Photo # 5	
Date: 10/24/2018	
Feature: Wetland 1	. The second s
Direction: West	The second state of the se
Description: Wetland 1, a small emergent wetland within the northwest portion of the Site.	

Photo # 6	
Date: 10/24/2018	
Feature: Wetland 2	
Direction: West	
Description: Wetland 2, an	
emergent wetland fringe	
surrounding Pond 1 within in the	
western portion of the Site.	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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### **PHOTOGRAPHIC LOG**

Photo # 7	
Date: 10/24/2018	
Feature: Wetland 3	
Direction: North	
Description: Wetland 3, an emergent wetland within a constructed ditch in the southwestern corner of the Site.	



### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Sakura Way	City/County: Novi, Oakland Sampling Date: 10/24/2018
Applicant/Owner: Aikens	State: MI Sampling Point: WL1
Investigator(s): E. Schenk, Atwell LLC	Section, Township, Range: 23, 1N, 8E
	relief (concave, convex, none): Concave Slope %: 0-2
Subregion (LRR or MLRA): LRR K Lat: 42°28'51.54"N	
Soil Map Unit Name: Marlette sandy loam, 1 to 6 percent slopes	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally problema	tic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Wetland 1
Remarks: (Explain alternative procedures here or in a separate report.)	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (E	
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (	C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	on (C4) Stunted or Stressed Plants (D1)
X Algal Mat or Crust (B4) Recent Iron Reduction in	n Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	ks)Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	

# **VEGETATION** – Use scientific names of plants.

Sampling	Point:	WL1

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.       2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3				Total Number of Dominant Species Across All Strata:3(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:66.7% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of:Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 =
1				FACW species 50 x 2 = 100
2				FAC species x 3 =60
3.				FACU species x 4 =80
4				UPL species x 5 =
5				Column Totals: 90 (A) 240 (B)
6.				Prevalence Index = B/A = 2.67
7				Hydrophytic Vegetation Indicators:
		=Total Cover	1	1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				X 2 - Dominance Test is >50%
1. Salix interior	30	Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Solidago altissima	20	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Euthamia graminifolia	20	Yes	FAC	data in Remarks or on a separate sheet)
4. Cyperus esculentus	10	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Phalaris arundinacea	10	No	FACW	
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.		· · · · · · · · · · · · · · · · · · ·		Tree – Woody plants 3 in. (7.6 cm) or more in
9.		) <del></del>		diameter at breast height (DBH), regardless of height.
10.		·	÷	
11	-	) <del></del> )		<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.		) <del></del> ()		
		=Total Cover	·······	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines All woody vines greater than 3.28 ft in
1			<del></del>	height.
2	<u> </u>		,;	Hydrophytic
3			·	Vegetation
4	2 C		·	Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			
	_			

SOI	L

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(inches)	Matrix Color (moist) %	Color (moist)	% Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	
0-4	10Y 4/2		30		Loamy/Clayey		silt-loam	
				5		17		
4-12	10Y 4/1	73	10	<del></del> .	Loamy/Clayey		silt-loam	
	· · · · · · · · · · · · · · · · · · ·					30		
		13 <b></b> 23		<del></del>				
			_					
	· · · · · · · · · · · · · · · · · · ·					2		
	·	0						
	·	······································			·			
	······							
<sup>1</sup> Type: C=Co	oncentration, D=Depletion, R	M=Reduced Matrix, MS=	Masked San	d Grains.	<sup>2</sup> Location:	PL=Pore L	ining, M=Matri	x.
Hydric Soil I	ndicators:				Indicators	for Proble	ematic Hydric	Soils <sup>3</sup> :
Histosol	(A1)	Polyvalue Below S	urface (S8) (	LRR R,	2 cm N	/luck (A10)	(LRR K, L, ML	.RA 149B)
Histic Ep	ipedon (A2)	MLRA 149B)			Coast	Prairie Rec	dox (A16) (L <b>RR</b>	K, L, R)
Black His	stic (A3)	Thin Dark Surface	(S9) ( <b>LRR R</b>	, MLRA 1	149B) 5 cm M	/lucky Peat	t or Peat (S3) (I	_RR K, L, R)
Hydrogei	n Sulfide (A4)	High Chroma Sand			<u> </u>		Surface (S8) (L	
	Layers (A5)	Loamy Mucky Min		R K, L)			e (S9) (L <b>RR K</b> ,	
	Below Dark Surface (A11)	Loamy Gleyed Ma				•	Masses (F12) (	
	rk Surface (A12)	X Depleted Matrix (F	,			•	lain Soils (F19)	•
	ucky Mineral (S1)	Redox Dark Surfac					A6) (MLRA 144	A, 145, 149B)
	leyed Matrix (S4)	Depleted Dark Sur Redox Depression				arent Mate	riai (F21) k Surface (F22	<i>\</i>
Sandy R	edox (S5) Matrix (S6)	Marl (F10) (LRR K				(Explain in		)
Strippod			·, <b>-</b> /				Remarksy	
Stripped								
Stripped			no present u	nless dist	turbed or problematio			
Dark Sur	hydrophytic vegetation and	wetland hydrology must l	Je preaent, u		r .			
Dark Sur	hydrophytic vegetation and aver (if observed):	wetland hydrology must l	be present, a					
Dark Sur		wetland hydrology must b	Je present, u					
Dark Sur <sup>3</sup> Indicators of Restrictive L	ayer (if observed): None	wetland hydrology must l	be present, u		Hydric Soil Pres	ent?	Yes_X_	No
Dark Sur <sup>3</sup> Indicators of <b>Restrictive L</b> Type:	ayer (if observed): None	wetland hydrology must l	je present, u		Hydric Soil Pres	ent?	Yes X	No

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Sakura Way	City/County: Novi, Oakland Sampling Date: 10/24/2018
Applicant/Owner: Aikens	State: MI Sampling Point: WL2
Investigator(s): E. Schenk, Atwell LLC	Section, Township, Range: 23, 1N, 8E
Landform (hillside, terrace, etc.): Hillside Local	relief (concave, convex, none): Concave Slope %: 5-10
Subregion (LRR or MLRA): LRR K Lat: 42°28'49.46"N	Long: 83°28'6.38"W Datum: WGS84
Soil Map Unit Name: Marlette sandy loam, 1 to 6 percent slopes	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distur	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes         X         No           Yes         X         No           Yes         X         No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland 2
Remarks: (Explain alternative procedure	es here or in a separate report.)	

#### HYDROLOGY

Wetland Hydrology Indicators:					Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check all that apply)					Surface Soil Cracks (B6)		
Surface Water (A1) Water-Stained Leaves (B9)				Drainage Patterns (B10)			
High Water Table (A2) Aquatic Fauna (B13)				Moss Trim Lines (B16)			
X Saturation (A3)		Marl De	eposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)		Hydrog	en Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	1	Oxidize	ed Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3)		Presen	ce of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4)		Recent	Iron Reduction in Tilled Soil	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5)		Thin M	uck Surface (C7)		Shallow Aquitard (D3)		
Inundation Visible on Ae	erial Imagery (B7)	Other (	Explain in Remarks)		Microtopographic Relief (D4)		
Sparsely Vegetated Cor	ncave Surface (B	8)			FAC-Neutral Test (D5)		
Field Observations:							
Surface Water Present?	Yes	No	Depth (inches):				
Water Table Present?	Yes	No	Depth (inches):				
Saturation Present?	Yes X	No	Depth (inches): 0	Wetlan	nd Hydrology Present? Yes X No		
(includes capillary fringe)					12 - 12, <del>24</del>		
	ream gauge, mor	nitoring well,	aerial photos, previous inspe	ections), if	available:		
	ream gauge, mor	nitoring well,	aerial photos, previous inspe	ections), if	available:		
Describe Recorded Data (st	ream gauge, mor	nitoring well,	aerial photos, previous inspe	ections), if	available:		
	ream gauge, mor	nitoring well,	aerial photos, previous inspe	ections), if	available:		
Describe Recorded Data (st	ream gauge, mor	nitoring well,	aerial photos, previous inspe	ections), if	available:		
Describe Recorded Data (st	ream gauge, mor	hitoring well,	aerial photos, previous inspe	ections), if	available:		
Describe Recorded Data (st	ream gauge, mor	hitoring well,	aerial photos, previous inspe	ections), if	available:		
Describe Recorded Data (st	ream gauge, mor	hitoring well,	aerial photos, previous inspe	ections), if	available:		
Describe Recorded Data (st	ream gauge, mor	hitoring well,	aerial photos, previous inspe	ections), if	available:		
Describe Recorded Data (st	ream gauge, mor	hitoring well,	aerial photos, previous inspe	ections), if	available:		
Describe Recorded Data (st	ream gauge, mor	hitoring well,	aerial photos, previous inspe	ections), if	available:		
Describe Recorded Data (st	ream gauge, mor	hitoring well,	aerial photos, previous inspe	ections), if	available:		

# **VEGETATION** – Use scientific names of plants.

×

Sampling	Point:	WL2

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.       2.				Number of Dominant Species That Are OBL, FACW, or FAC:2 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 2(B)
5.           6.				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 30 x 1 = 30
1,				FACW species 50 x 2 = 100
2			•	FAC species $0 \times 3 = 0$
3				FACU species 0 x 4 = 0
			·	UPL species 0 x 5 = 0
				Column Totals: 80 (A) 130 (B)
				Prevalence index = $B/A = 1.63$
			<u> </u>	
/				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				X 2 - Dominance Test is >50%
1. Phragmites australis	50	Yes	FACW	X_3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Typha angustifolia	20	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Typha latifolia	10	No	OBL	data in Remarks or on a separate sheet)
4		s;		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5		·		<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6.			ev	be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.		( <b></b> )		
9.		( <b></b> )		<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11		·		<b>Sapling/shrub</b> – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
·		=Total Cover	•	of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines - All woody vines greater than 3.28 ft in
1		3 <u></u> 7)		height.
2			. <u> </u>	
3				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			
	,			

S	Ο	IL

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Profile Desc	ription: (Describe t	to the de	pth needed to docu	ument ti	he indica	tor or co	onfirm the absence of ind	licators.)
Depth	Matrix		Redox	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4	10Y 4/2		10YR 7/6	30			Loamy/Clayey	silt-loam
4-12	10Y 4/1				_		Loamy/Clayey	silt-loam
			n1					
		2 5			7	0		
			( <b></b> )					
			)6	s <del></del>	;;	. <u> </u>		
		<u> </u>	·			<u> </u>		
			·					
<sup>1</sup> Type: C≃Co	oncentration, D=Deple	etion, RM	/=Reduced Matrix, N	1S=Mas	ked Sand	Grains.	<sup>2</sup> Location: PL=P	ore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for P	roblematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	.RR R,	2 cm Muck (/	A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	oipedon (A2)		MLRA 1498	)			Coast Prairie	Redox (A16) (L <b>RR K, L, R</b> )
Black Hi	stic (A3)		Thin Dark Surfa	ace (S9)	) (LRR R,	MLRA 1	149B)5 cm Mucky	Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) ( <b>LRF</b>	R K, L)	Polyvalue Be	elow Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky I	Mineral	(F1) (L <b>R</b> F	R K, L)	Thin Dark Su	ırface (S9) (L <b>RR K, L</b> )
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mangan	ese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Da	irk Surface (A12)		X Depleted Matrix	x (F3)			Piedmont Flo	oodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	rface (F	6)		Mesic Spodie	c (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent	Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (Fi	8)		Very Shallow	/ Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explai	in in Remarks)
	face (S7)							
<sup>3</sup> Indicators of	hydrophytic vegetati	ion and v	vetland hydrology mu	ust be pr	esent, ur	less dist	urbed or problematic.	
Restrictive I	_ayer (if observed):							
Type:	Non	е						
Depth (ir	nches):						Hydric Soil Present?	Yes X No
Remarks:								
								ield Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Sakura Way	City/County: Novi, Oakland Sampling Date: 10/24/2018
Applicant/Owner: Aikens	State: MI Sampling Point: WL3
Investigator(s): E. Schenk, Atwell LLC	Section, Township, Range: 23, 1N, 8E
Landform (hillside, terrace, etc.): Constructed Ditch	ocal relief (concave, convex, none): Concave Slope %: 10-20
Subregion (LRR or MLRA): LRR K Lat: 42°28'47.26"	N Long: 83°28'8.17"W Datum: WGS84
Soil Map Unit Name: Marlette sandy loam, 1 to 6 percent slopes	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year	ar? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly di	isturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problem	lematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing s	ampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present?	Yes         X         No           Yes         X         No           Yes         X         No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland 3
Remarks: (Explain alternative procedu		

#### HYDROLOGY

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Wetland Hydrology Indicators:	<u>S</u>	econdary Indicators (minimum of two required)		
Primary Indicators (minimum of one is required; check all that apply)		Surface Soil Cracks (B6)		
X Surface Water (A1) Water-Stained Leaves (B9)		Drainage Patterns (B10)		
High Water Table (A2) Aquatic Fauna (B13)	_	Moss Trim Lines (B16)		
Saturation (A3) Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1) Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2) Oxidized Rhizospheres on Living Ro	oots (C3)	Saturation Visible on Aerial Imagery (C9)		
Drift Deposits (B3) Presence of Reduced Iron (C4)		Stunted or Stressed Plants (D1)		
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils	s (C6)	Geomorphic Position (D2)		
Iron Deposits (B5) Thin Muck Surface (C7)		— Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)	_	— Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D5)		
Field Observations:				
Surface Water Present? Yes X No Depth (inches): 6				
Water Table Present? Yes No Depth (inches):				
	387 - 411 1	Hydrology Present? Yes X No		
Saturation Present? Yes No Depth (inches):	wetiand i			
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	wetland I			
(includes capillary fringe)				
(includes capillary fringe)				
(includes capillary fringe)				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspe				

### VEGETATION - Use scientific names of plants.

Sampling Point: WL3

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1,				
2				Number of Dominant Species That Are OBL, FACW, or FAC:1 (A)
3.				Total Number of Dominant
4.				Species Across All Strata:1(B)
5				Percent of Dominant Species
6		;		That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1.				FACW species 80 x 2 = 160
2.				FAC species $0 \times 3 = 0$
3.				FACU species 0 x 4 = 0
4.				UPL species $0 \times 5 = 0$
5.				Column Totals: 80 (A) 160 (B)
6. 		1		Prevalence index = B/A = 2.00
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				X 2 - Dominance Test is >50%
1. Phragmites australis		Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
2				<ul> <li>4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)</li> </ul>
3.				
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5			ž	<sup>1</sup> Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7	<u> </u>			Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9		-		diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines - All woody vines greater than 3.28 ft in
1		1	-	height.
2		-		Hydrophytic
3		-		Vegetation
4		)		Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

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Profile Description: (Describe to the Depth Matrix		ument ti x Featur		itor or co	onfirm the absence of ind	licators.)
(inches) Color (moist) %	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4 10Y 4/2	10YR 7/6	30	<u>-77-</u>	<u> </u>	Loamy/Clayey	silt-loam
4-12 10Y 4/1	-	10			Loamy/Clayey	silt-loam
	-			)		Sill IOUIII
······································				—		
<u></u>				<u> </u>		
	_:					
				<u> </u>	·······	
					: <u></u>	
	-					
				—	<u> </u>	
<sup>1</sup> Type: C=Concentration, D=Depletion,	RM=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.		ore Lining, M=Matrix.
Hydric Soil Indicators:	Pohwaluo Bolo	wy Curfo	~~ (S8) /I	000		roblematic Hydric Soils <sup>3</sup> :
Histosol (A1) Histic Epipedon (A2)	Polyvalue Belo MLRA 149B		ce (So) (i	<b>.</b> KK R,		A10) (LRR K, L, MLRA 149B) e Redox (A16) (LRR K, L, R)
Black Histic (A3)	Thin Dark Surf	'		MLRA 1		Peat or Peat (S3) (LRR K, L, R)
Hydrogen Sulfide (A4)	High Chroma S				· ·	elow Surface (S8) (LRR K, L)
Stratified Layers (A5)	Loamy Mucky					urface (S9) (LRR K, L)
Depleted Below Dark Surface (A11)						ese Masses (F12) (LRR K, L, R)
Thick Dark Surface (A12)	X Depleted Matri	x (F3)			Piedmont Flo	oodplain Soils (F19) (MLRA 149B)
Sandy Mucky Mineral (S1)	Redox Dark Su	urface (F	<sup>;</sup> 6)		Mesic Spodio	c (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy Gleyed Matrix (S4)	Depleted Dark	Surface	(F7)		Red Parent M	Material (F21)
Sandy Redox (S5)	Redox Depress	sions (F	8)		Very Shallow	v Dark Surface (F22)
Stripped Matrix (S6)	Marl (F10) ( <b>LR</b>	<b>R K, L</b> )			Other (Explain	in in Remarks)
Dark Surface (S7)						
<sup>3</sup> Indicators of hydrophytic vegetation and	t wetland bydrology m	ust ha ni	rocont ur	Noce diet	urbed or problematic	
Restrictive Layer (if observed):	r wolland nyarology me	101 DO PI	oborne, ur	1000 0101		
Type: None						
Depth (inches):					Hydric Soil Present?	Yes X No
Remarks:					•	
This data form is revised from Northcent						ield Indicators of Hydric Soils,
Version 7.0, 2015 Errata. (http://www.nr	s.usua.gov/internet/Ft		JUNENT	S/NFCS 14	2p2_051293.docx)	

# WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: Sakura Way	City/County: Novi, Oakland Sampling Date: 10/24/2018
Applicant/Owner: Aikens	State: MI Sampling Point: WL4
Investigator(s): E. Schenk, Atwell LLC	Section, Township, Range: 23, 1N, 8E
Landform (hillside, terrace, etc.): Depression Loca	I relief (concave, convex, none): Concave Slope %: 2-4
Subregion (LRR or MLRA): LRR K Lat: 42°28'49.25"N	Long: 83°27'53.29"W Datum: WGS84
Soil Map Unit Name: Capac sandy loam, 0 to 4 percent slopes	NWI classification: PSS/PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly distu	rrbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes X	No	Is the Sampled Area within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland 4
Hydric Soil Present?	Yes X	No	
Wetland Hydrology Present?	Yes X	No	
Remarks: (Explain alternative procedures h	ere or in a se	parate report.)	

#### HYDROLOGY

Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)	Surface Soil Cracks (B6)
X Surface Water (A1)	Water-Stained Leaves (B9)	Drainage Patterns (B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C1)	Crayfish Burrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots	(C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)	Stunted or Stressed Plants (D1)
X Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C	6) X Geomorphic Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7)	) Other (Explain in Remarks)	Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (Ba		FAC-Neutral Test (D5)
Field Observations:		
Surface Water Present? Yes X	No Depth (inches): 3	
Water Table Present? Yes	No Depth (inches):	
Saturation Present? Yes X	No Depth (inches): 0	Netland Hydrology Present? Yes X No
(includes capillary fringe)		
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, previous inspectio	ns), if available:
Remarks:		

### **VEGETATION** – Use scientific names of plants.

.

Sampling Point: WL4

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Acer saccharinum           2.	2	No	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
3		_	_	Total Number of Dominant Species Across All Strata:4 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0% (A/B)
7.			·	Prevalence Index worksheet:
	2	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:	_)			OBL species <u>17</u> x 1 = <u>17</u>
1. Rhamnus cathartica	30	Yes	FAC	FACW species 27 x 2 = 54
2. Cornus amomum	10	Yes	FACW	FAC species 35 x 3 = 105
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 79 (A) 176 (B
6.				Prevalence Index = B/A = 2.23
7.			· · · · · · · · · · · · · · · · · · ·	Hydrophytic Vegetation Indicators:
-		=Total Cover	( <b></b> )	1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: )				X 2 - Dominance Test is >50%
1 Turpho Iotifelia	10	Yes	OBL	X 3 - Prevalence Index is $\leq 3.0^{1}$
2 Operior sensibilis	15	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supportir
3. Euthamia graminifolia	5	No	FAC	data in Remarks or on a separate sheet)
	<u>5</u>	· · · · · · · · · · · · · · · · · · ·	) <b>;</b> )	Duchlamatic Lludwondu die Manatation <sup>1</sup> (Eurolein)
4. Lythrum salicaria		No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. <u>Epilobium leptophyllum</u> 6	2	No		<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7			. <u> </u>	Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9			·	diameter at breast height (DBH), regardless of height
10				Sapling/shrub – Woody plants less than 3 in. DBH
11.8				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardles
	37	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:	_)			Woody vines – All woody vines greater than 3.28 ft in
1		. <u></u>		height.
2		. <del></del>	. <u> </u>	Lhudaon hudia
3			·	Hydrophytic Vegetation
4		. <u></u>		Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a s	eparate sheet.)			•

SOIL

9

		the dept				tor or c	onfirm the absence of i	ndicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	_%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12	10YR 2/1						Mucky Loam/Clay	
				<u> </u>	470		······	
1 <del></del>		<u> </u>						
							· · · · ·	
·							· · · ·	
	·							
·	·							
	*				3 <del></del>			
•								
	•				· — — — — — — — — — — — — — — — — — — —		· · · · · · · · · · · · · · · · · · ·	
							<u></u>	
<sup>1</sup> Type: C=Cc	ncentration, D=Deplet	ion, RM=	Reduced Matrix, N	/IS=Mas	ked Sand	Grains.	<sup>2</sup> Location: PL=	Pore Lining, M=Matrix.
Hydric Soil I								Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfa	ice (S8) (I	RR R.		(A10) ( <b>LRR K, L, MLRA 149B</b> )
	ipedon (A2)	_			. , ,			rie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surfa	'	) (LRR R.	MLRA		y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)	_	High Chroma S					Below Surface (S8) (LRR K, L)
	Layers (A5)	_	X Loamy Mucky I	-				Surface (S9) (LRR K, L)
	Below Dark Surface (	_	Loamy Gleyed			<b>、、、</b> =/		anese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		X Depleted Matrix		(12)			Floodplain Soils (F19) (MLRA 149B)
	ucky Mineral (S1)	-	Redox Dark Su		-6)			
·	leyed Matrix (S4)	0	Depleted Dark		•			dic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	edox (S5)	16			· ·			it Material (F21)
<u> </u>			Redox Depress		-			ow Dark Surface (F22)
	Matrix (S6)	80-	Marl (F10) ( <b>LR</b>	<b>K K, L</b> )			Other (Exp	olain in Remarks)
Dark Sur	face (S7)							
3								
	hydrophytic vegetation	n and we	lland hydrology mu	ist be pr	resent, ur	iless dis	turbed or problematic.	
	ayer (if observed):							
Type:	None							
Depth (in	ches):						Hydric Soil Present?	? Yes_X_No
Remarks:								
	n is revised from North	icentral a	and Northeast Reg	ional Su	Inemela	Versior	1 2.0 to include the NRCS	Field Indicators of Hydric Soils,
	2015 Errata. (http://ww							
			-	_			,	



#### CONSULTING. ENGINEERING. CONSTRUCTION.

October 2, 2019

Lindsey Bell City of Novi - Planner Address Line 1 Address Line 2

RE: Sakura Novi Wetland Mitigation Options Atwell Project Number: 18003457

#### Dear Ms. Bell,

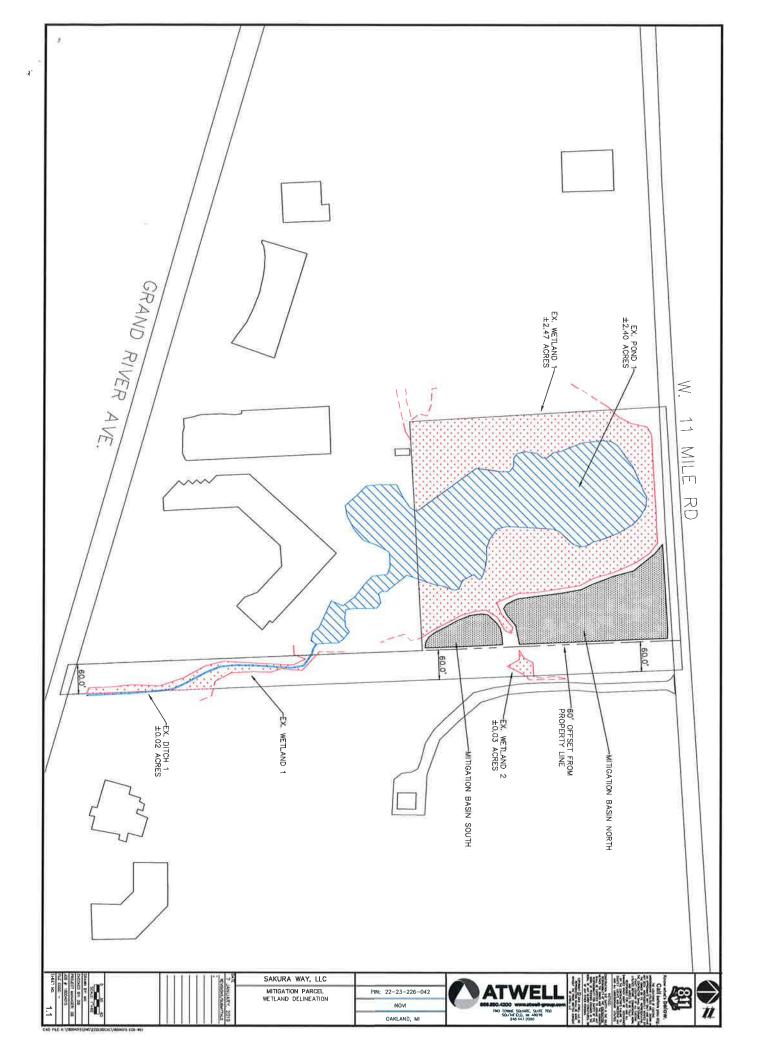
The proposed Sakura Novi project currently proposes to impact 1.67 acres of emergent wetland. Of this acreage, 0.90 is anticipated to be EGLE regulated with the remaining 0.77 acres as non-EGLE regulated. The Applicant is committed to satisfy the City of Novi's wetland ordinance (*Chapter 12 – Drainage and Flood Damage Prevention, Article V. – Wetlands and Watercourse Protection, Division 2. – Use Permit, Section 12-176. Mitigation).* Currently, the Applicant is considering two different mitigation options to achieve this goal. However, as the Project progresses, additional mitigation options may be considered.

#### Option 1

The applicant may create 0.9 acres of emergent wetlands on parcel 22-23-226-021 to the east of the proposed Sakura Novi Project and 0.5 acres of emergent wetlands on parcel 22-23-226-042 currently owned by the City of Novi. The current available acreage on parcel 22-23-226-042 is large enough to also support the future mitigation needs of the City for the Fountain Park Drive road extension Project. Refer to the attached map for a detail showing the approximate available space for wetland mitigation on 22-23-226-042 and the anticipated future City of Novi wetland impacts. This 1.4 acres is designed to offset the EGLE regulated 0.90 acres impact at a mitigation ratio of 1.5 to 1. The remaining 1.2 acre of wetland mitigation required to offset the 0.77 acres of City regulated wetlands at an approximate 4 to 1 ratio is proposed on parcel 22-17-101-006 through preservation of existing wetlands. Currently, wetlands on adjoining parcels (22-17-101-032 and 22-17-101-012) have conservation easements on the existing wetland complexes. The Applicant proposes to put approximately 4 acres of existing wetland under conservation easement which would create one large contiguous protect wetland complex under protection in perpetuity. Additionally, the surrounding 5 acres of upland could be put under conservation easement to afford further protection and natural habitat within the City of Novi.

#### Option 2

The Applicant is proposing the same mitigation strategy as Option 1 for the EGLE mitigation requirements. This 1.4 acres is designed to offset the EGLE regulated 0.90 acres impact at a mitigation ratio of 1.5 to 1. In order to mitigate for the remaining 0.77 acres of City regulated wetland impact, the Applicant proposes to initiate a wetland mitigation fund for the City of Novi due to the lack of available space for wetland mitigation within the City limits. This strategy is intended to mimic the existing City of Novi woodland mitigation fund.



### TRAFFIC IMPACT STUDY



То:	Mr. Scott Aikens Robert B Aikens & Associates, LLC	Re:	Sakura Way – City of Novi, MI Traffic Impact Study Addendum
From:	Steven J. Russo, PE Transportation Engineer	Date:	September 24, 2019

This memorandum is intended as an addendum to the original Traffic Impact Study (TIS) dated June, 2019 for the proposed Sakura Way development in the City of Novi, Oakland County, Michigan. A Trip Generation Memorandum issued by Bergmann on July 25<sup>th</sup>, 2019 is also referenced herein. The project site is located in the northeast quadrant of the Grand River Avenue & Main Street / Town Center Drive intersection. Overall site development plans include construction in two phases for an approximately 300,000 square foot (SF) mixed-use community featuring multifamily residential, office, retail, restaurant, spa, and hotel uses.

This addendum and the associated analyses have been completed in response to a phase two development alternative which would be comprised of 70 multi-family dwelling units, in lieu of proposed commercial space. Additionally, Bergmann has come to understand that a third phase including 52 residential units on the existing vacant parcel directly east of the originally proposed Sakura Way development has been incorporated into the project and planned rezoning overlay (PRO).

The data and methodologies of the original TIS were implemented for the addendum analyses, except as specifically indicated herein. In order to address the items outlined above, the following items have been completed, as detailed in subsequent sections of this memorandum:

- 1. Trip generation forecast and comparison for the lower density phase two alternative.
- 2. Revised trip generation comparison between the maximum density allowed under existing zoning versus the proposed development program with the phase three residential parcel.
- 3. Capacity analysis at the proposed phase three residential site driveway.
- 4. Right turn lane warrant analysis at the proposed phase three residential site driveway in accordance with City standards.

### PHASE TWO TRIP GENERATION COMPARISION

The proposed development plans include two (2) phase two development alternatives for the project. The first alternative as outlined in the original TIS includes a hotel, spa, and mix of retail, restaurant, residential, and office uses, while the second alternative would be comprised of 70 multi-family dwelling units only. As the secondary residential alternative was not included as part of the original TIS a trip generation comparison was completed between the phase two alternatives.

Consistent with the TIS, the number of vehicle trips that would be generated was forecast based on the methodologies and data published by ITE in *Trip Generation*, 10<sup>th</sup> Edition and the *Trip Generation* 

TEL: 517.272.9835 www.bergmannpc.com



Handbook, 3<sup>rd</sup> Edition. Internal capture and pass-by trips were calculated based on ITE data / methodologies and the rates applied by AECOM for the City area-wide study. The overall project trip generation forecast with the alternative phase two residential scenario is summarized in **Table 1** and a comparison of total trips generated by the overall project with each phase two alternative is summarized in **Table 2**.

Land Use	ITE	Amount	Units	Average	AM	Peak H	lour	PN	l Peak I	Hour	SAT	Peak	lour
Land Use	Code	Amount	onits	Daily	In	Out	Total	ln_	Out	Total	In	Out	Total
Multifamily Housing (Low-Rise)	220	138	Dwellings	1,002	15	50	65	50	29	79	58	58	116
Wultianity Housing (Low-Rise)	220	Interr	nal Capture	-240	121	-6	-7	-16	-8	-24	-26	-19	-45
		4,508	SF	170	2	2	4	8	9	17	10	10	20
Retail	820	Interr	nal Capture	0	0	0	0	0	0	0	0	0	0
Retail	020	Pass-By (34	% PM/26% SAT)	58	0	0	0	3	2	5	3	3	6
	1	Ne	ew Trips	112	2	2	4	5	7	12	7	7	14
		26,500	SF	2,830	61	40	101	147	142	289	181	174	355
Market	850	Interr	nal Capture	-550	-5	-6	-11	-23	-32	-55	-51	-55	-106
Warket	050	Pass	-Ву (36%)	821	16	15	31	42	41	83	45	45	90
		Ne	ew Trips	1,459	40	19	59	82	69	151	85	74	159
		4,532	SF	640	6	3	9	35	29	64	59	48	107
Fast-Casual Restaurant	930	Interr	nal Capture	-130	-2	-1	-3	-6	-7	-13	-14	-16	-30
Fast-Casual Restaurant	950	Pass	-By (50%)	255	0	0	0	13	13	26	20	19	39
		Ne	ew Trips	255	4	2	6	16	9	25	25	13	38
		10,460	SF	877	6	2	8	55	27	82	66	46	112
Quality Restaurant	931	Interr	al Capture	-160	-2	0	-2	-9	-7	-16	-16	-16	-32
Quality Restaurant	951	Pass	-By (44%)	315	0	0	0	14	14	28	17	17	34
		Ne	ew Trips	402	4	2	6	32	6	38	33	13	46
		4,505	SF	505	25	20	45	27	17	44	26	24	50
Llink Turneyer Cit Devre Besteurent	932	Interr	al Capture	-80	-7	-4	-11	-4	-4	-8	-7	-8	-15
High-Turnover Sit-Down Restaurant	932	Pass	-By (43%)	183	8	7	15	8	8	16	8	7	15
		Ne	ew Trips	242	10	9	19	15	5	20	11	9	20
		Interr	nal Capture	-1.160	-17	-17	-34	-58	-58	-116	-114	-114	-228
Total Site Trips		Poss-By Trips		1.632		-22		30	78	158	23	91	184
Foral Site Trips		Ne	w ∦tuos	3,232	74	78	152	184		301	193	155	348
		TOTAL EX	TERNAL TRIPS	4,864	98	100	198	264	195	459	286	246	532

### Table 1: Overall Project Trip Generation with Phase Two Residential Alternative

#### Table 2: Overall Project Trip Generation Comparison for Phase Two Alternatives

TOTAL	Phase Two Scenario	AM	Peak H	lour	PM	Peak I	Hour	SAT	Hour	
TOTAL	Phase Two Scenario	In	Out	Total	In	Out	Total	In	Out	Total
EXTERNAL TRIPS	Original TIS Mix of Uses	254	162	416	424	367	791	ln 452 286 315	384	836
EATERINAL TRIFS	Residential Only	98	100	198	264	195	459	286	246	532
NEW TRIPS	Original TIS Mix of Uses	217	125	342	308	251	559	315	247	562
INEVV IRIPS	Residential Only	74	78	152	184	117	301	193	155	348

The results of this comparison indicate that the phase two alternative comprised exclusively of residential uses would generate significantly less trips than the higher density mix of uses included in the original TIS. Therefore, the analysis in the original TIS represents a conservative worst-case scenario for the development and no additional improvements would be necessary to accommodate the lower density phase two residential alternative.

### REVISED REZONING TRIP GENERATION COMPARISON

With the addition of the vacant parcel directly east of the proposed Sakura Way development as part of the planned rezoning overlay (PRO), the rezoning trip generation comparison (previously documented in the Trip Generation Comparison memo dated July 25<sup>th</sup>, 2019) was updated to include the additional phase



three residential units. For this update, the higher density phase two development alternative was utilized as it represents the worst-case scenario for development of the overall project. Consistent with the previous trip generation comparison, the maximum density of development under existing zoning was determined based on the Applicant's experience with development projects and site planning, the uses permitted by-right under the existing OS-1, OSC, and I-1 zoning districts, and general consideration of ordinance requirements.

Consistent with the TIS, the number of vehicle trips that would be generated under existing zoning was forecast based on the methodologies and data published by ITE in *Trip Generation*, 10<sup>th</sup> Edition and the *Trip Generation Handbook*, 3<sup>rd</sup> Edition. Internal capture and pass-by trips were calculated based on ITE data / methodologies and the rates applied by AECOM for the City area-wide study. The new phase three parcel does not have the capability for internal connection with the other parcels included in the Sakura Way development, due to physical (wetlands / pond) constraints. Therefore, no internal capture reductions were applied specific to the eastern new parcel. A detailed trip generation forecast for the existing zoning scenario, along with a comparison to the results detailed in the TIS for the proposed development program are summarized in **Table 3** and **Table 4**.

Zoning	Land Use	ITE	Amount	Units	Average	AM	Peak H	lour	PN	l Peak	Hour	SAT	Peak	Hour
Zonnig	Land Use	Code	Amount	Units	Daily	In	Out	Total	In	Out	Total	ln	Out	Total
OS-1	Office	710	70,000	SF	751	79	13	92	13	68	81	20	17	37
031	Office	710	Interr	nal Capture	-40	-6	-5	-11	-1	-3	-4	-1	-4	-5
	Office	710	71,000	SF	761	80	13	93	13	69	82	21	17	38
	Onice	710	Interr	nal Capture	-40	-6	-5	-11	-1	-3	-4	-1	-4	-5
	Medical Office	720	71,000	SF	2,640	129	36	165	68	175	243	125	95	220
0		720	Interr	al Capture	-40	-6	-5	-11	-1	-3	-4	-1	-4	-5
			4,000	SF	151	2	2	4	7	8	15	9	9	18
	Retail	820		nal Capture	0	0	0	0	0	0	0	0	0	0
	Netan	020	and the local design of th	% PM/26% SAT)	51	0	0	0	2	2	4	3	3	6
osc				ew Trips	100	2	2	4	5	6	11	6	6	12
			25,000	SF	2,670	58	38	96	141	136	277	174	167	341
	Market	850		al Capture	-790	-15	-9	-24	-40	-39	-79	-56	-41	-97
				-By (36%)	677	13	13	26	35	35	70	44	44	88
				ew Trips	1,203	30	16	46	66	62	128	74	82	156
			15,000	SF	1,683	82	67	149	91	56	147	86	82	168
	High-Turnover Sit-Down Restaurant	932		nal Capture	-600	-17	-17	-34	-33	-27	-60	-32	-41	-73
				-By (43%)	466	25	25	50	19	19	38	21	21	42
			·	ew Trips	617	40	25	65	39	10	49	33	20	53
	Motel	320	150	Rooms	514	21	36	57	31	26	57	39	43	82
9-1				nal Capture	-170	-1	-9	-10	-10	-7	-17	-13	-8	-21
	Office	710	150,000	SF	1,572	144	23	167	27	140	167	43	37	80
		110		nal Capture	-80	-7-	-8	-15	-2	-6	-8	-3	-5	-8
				ai Capture	1.760		-58	-116		:88	-176	- 167	107	-234
	Total Site Trips		Pass	By Trips	1,794			76	SG	56	112	68	68	136
	Form Site (11)55			w Trips	7,788	499	132	631	247	534	781	342	292	0534
			TOTAL EX	TERNAL TRIPS	8,982	537	170	707	303	590	893	410	360	770

Table 3: Maximum Development under	<sup>r</sup> Existing Zoning with Additional Parcel
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#### **Table 4: Trip Generation Comparison with Additional Parcel**

TOTAL	Scenario	AM	Peak H	lour	PM	Peak I	lour	SAT Peak Hour			
TOTAL	Scenario	In	Out	Total	In	Out	Total	In	Out	Total	
EXTERNAL TRIPS	Existing Zoning	537	170	707	303	590	893	In         O           410         34           464         33           342         25	360	770	
EXTERINAL TRIPS	Proposed Development	260	182	442	445	379	824	464	395	859	
NEW TRIPS	Existing Zoning	499	132	631	247	534	781	342	292	634	
INEW TRIPS	Proposed Development	223	145	368	329	263	592	327	258	585	

The results of this comparison indicate that the site is still capable of generating significantly more "new trips" under existing zoning, with the addition of the phase three residential parcel. This is due to the

allowable density and nature of office trip generation; whereby office trip generation is more intense during weekday peak periods, and the proposed uses would generate slightly higher demands on a Saturday. Furthermore, the proposed (phase one and two) retail / restaurant uses would capture a greater proportion of "pass-by" trips that are already present on the adjacent road network as compared to office use. The proposed phase three residential uses would result in a marginal increase to the overall site traffic generation potential.

#### PHASE THREE RESIDENTIAL DRIVE CAPACITY ANALYSIS

A capacity analysis was completed for the proposed site driveway to 11 Mile Road for the phase three 52-unit residential development. The vehicle trips generated by the development were forecast based on the rates and equations published by ITE in *Trip Generation*, *10<sup>th</sup> Edition* and summarized in **Table 5**. The trips were assigned to the study network using the same distribution methodology as outlined in the original TIS.

#### **Table 5: Phase Three Residential Trip Generation Forecast**

Land Use	ITE	Amount	Units	Average	Average AM Peal		eak Hour		PM Peak Hour			SAT Peak Hour		
Land Ose	Code	Amount	Units	Daily	ln.	Out	Total	In	Out	Total	ln.	Out	Total	
Multifamily Housing (Low-Rise)	220	52	Dwellings	352	6	20	26	21	12	33	12	11	23	

Future peak hour vehicle delays and LOS at the proposed phase three residential site driveway to 11 Mile Road were calculated based on the existing lane configurations and traffic control, future traffic volumes, and HCM methodologies. The results of the future conditions analysis as summarized in **Table 6** indicate that all driveway movements will operate acceptably at a LOS B or better during all peak periods.

### Table 6: Future Phase Three Residential Driveway Conditions

		AN	Л Реак Н	lour		PI	/I Peak H	lour	SAT Peak Hour				
Intersection	Арр	roach	1	1 1	Арр	roach	1	t r	Арр	roach	1	t C	
9. 11 Mile Road & Phase 3 Residential Drive	EB		Fre	ee	EB		Fre	ee	EB		Fr	ee	
Minor STOP	WB	0.1 A	7.7 A	Free	WB	0.1 A	7.7 A	Free	WВ	0.1 A	7.6 A	Free	
STOP	NB	10.4 B		10.4 В	NB	12.6 B		12.6 B	NB	10.3 B		10.3 B	

#### PHASE THREE RESIDENTIAL DRIVE TURN LANE WARRANT ANALYSIS

The City of Novi warrants for right-turn lanes were evaluated at the proposed phase three residential site access point to 11 Mile Road. A center lane for left turns exists on 11 Mile Road. As 24-hour volumes were not available along the study section of 11 Mile Road, 24-hour volumes were forecast based on existing PM peak hour volumes from the AECOM traffic study with application of a 10% K-factor. Additionally, daily site-generated traffic volumes from the Sakura Way development were included. The results of this analysis indicate that neither a right turn lane nor taper are warranted.



### CONCLUSIONS

The following conclusions are based on the information outlined herein:

- 1. A secondary phase two development alternative is comprised exclusively of residential uses. As cited in the original TIS, the commercial phase two uses and densities were conservatively assumed; however, are speculative at this point.
- 2. Phase two residential uses would generate significantly less trips than the higher density mix of uses included in the original TIS. Therefore, the analysis in the original TIS represents a conservative worst-case scenario for the development and no additional improvements would be necessary to accommodate the lower density phase two residential alternative.
- 3. A third phase on the existing vacant parcel directly east of the originally proposed development is proposed for residential development. The proposed use and density would result in a marginal increase to the overall site traffic generation potential.
- 4. The site is still capable of generating significantly more "new trips" under existing zoning as compared to the proposed development plans with the addition of the phase three residential parcel.
- 5. All approaches and movements at the phase three residential site driveway to 11 Mile Road will operate acceptably at a LOS B or better.
- 6. Neither a right turn lane nor taper are warranted at the proposed phase three residential site driveway to 11 Mile Road based on City standards. A center lane for left turns exists.

The referenced traffic data, calculations, and simulation results are attached. Please direct any questions regarding this memorandum to Bergmann.

Attached: Synchro Outputs Right Turn Lane Warrant

Intersection	_				_	_
Int Delay, s/veh	0.6					
Mayamant	COT	EDD	M/DI	MOT	MDI	NDD
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	- P		۳	<b>↑</b>	Y	
Traffic Vol, veh/h	204	4	2	108	15	5
Future Vol, veh/h	204	4	2	108	15	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized		None		None		
Storage Length	-	1	150	÷	0	-
Veh in Median Storage,	# 0		-	0	0	-
Grade, %	0	-	-	0	0	-
	-			-	-	
Peak Hour Factor	83	83	75	75	92	92
Heavy Vehicles, %	3	0	0	8	0	0
Mvmt Flow	246	5	3	144	16	5

Major/Minor	Major1	M	Major2	N	linor1		
Conflicting Flow All	0	0	251	0	399	249	
Stage 1	154	-	17	-	249	-	
Stage 2	180			-	150	-	
Critical Hdwy			4.1	-	6.4	6.2	
Critical Hdwy Stg 1	3 <b>4</b> 0	÷	5 <del>4</del>	-	5.4	×	
Critical Hdwy Stg 2	343	2	( <del>4</del>	-	5.4	-	
Follow-up Hdwy	241	-	2.2	-	3.5	3.3	
Pot Cap-1 Maneuver	•	-	1326	-	611	795	
Stage 1	20			-	797	-	
Stage 2	( <b>=</b> 2	-	=	-	883	-	
Platoon blocked, %	2 <del>0</del> 0						
Mov Cap-1 Maneuver	2 <b>4</b> 0	-	1326	×	610	795	
Mov Cap-2 Maneuver	3 <b>4</b> 0	- 22	<u>:</u>	-	657	-	
Stage 1	100	2	<u>9</u> 2	×.	795	-	
Stage 2	$(\bullet)$		-		883	-	

Approach	EB	WB	NB	
HCM Control Delay, s	0	0.1	10.4	
HCM LOS			В	

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	687	1	9	1326	-	
HCM Lane V/C Ratio	0.032	3	3	0.002	ŝ	
HCM Control Delay (s)	10.4			7.7	-	
HCM Lane LOS	В			Α	=	
HCM 95th %tile Q(veh)	0.1		×	0	-	

# HCM 6th TWSC 16: Phase 3 Residential Drive & 11 Mile Road

Intersection						
Int Delay, s/veh	0.3					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	÷.		۲	+	Y	
Traffic Vol, veh/h	178	16	5	510	9	3
Future Vol, veh/h	178	16	5	510	9	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	12 C	None	-	None
Storage Length	-	-	150	-	0	9
Veh in Median Storage	,# 0	-		0	0	
Grade, %	0		-	0	0	-
Peak Hour Factor	87	87	81	81	92	92
Heavy Vehicles, %	2	0	0	2	0	0
Mvmt Flow	205	18	6	630	10	3

Major/Minor	Major1	Ν	lajor2	N	linor1		
Conflicting Flow All	0	0	223	0	856	214	
Stage 1		-		۲	214	÷.	
Stage 2		-			642		
Critical Hdwy	5 <b>9</b> 2	-	4.1		6.4	6.2	
Critical Hdwy Stg 1		-			5.4		
Critical Hdwy Stg 2	(c <b></b> )	-	<b>1</b>	300	5.4	(#C)	
Follow-up Hdwy	8 <b>9</b>	-	2.2		3.5	3.3	
Pot Cap-1 Maneuver		-	1358	•	331	831	
Stage 1				۲	826		
Stage 2				350	528	2 <b>7</b> 0	
Platoon blocked, %	3.63	-		( <b>.</b>			
Mov Cap-1 Maneuve	· · ·	-	1358	3 <b>.</b>	330	831	
Mov Cap-2 Maneuve	946 1	5.00	1.	<b>19</b> 3	427	-	
Stage 1	3 <b>6</b>		200	100	823	1411	
Stage 2		-		-	528	1990 - 1990 -	

Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	12.6
HCM LOS			В

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT	
Capacity (veh/h)	486	5 <b>0</b> 0	(e)	1358	<b>19</b> 13	
HCM Lane V/C Ratio	0.027	-		0.005	1	
HCM Control Delay (s)	12.6	٠	•	7.7		
HCM Lane LOS	В			Α	120	
HCM 95th %tile Q(veh)	0.1			0	( <b>1</b> .);	

# HCM 6th TWSC 16: Phase 3 Residential Drive & 11 Mile Road

-						
Intersection						
int Delay, s/veh	0.3					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	1		٦	+	Y	
Traffic Vol, veh/h	175	9	3	174	9	2
Future Vol, veh/h	175	9	3	174	9	2
			•		-	_
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	150	-	0	-
Veh in Median Storage,	# 0	3400	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	87	87	95	95	92	92
Heavy Vehicles, %	2	0	0	2	0	0
Mvmt Flow	201	10	3	183	10	2
	201	10	0	100	10	~

Major/Minor	Major1	1	Major2	N	linor1	
Conflicting Flow All	0	0	211	0	395	206
Stage 1	3 <b>4</b> 0		( <b>1</b> )	-	206	-
Stage 2	3 <b>4</b> 3	-	( <b>a</b> ))	<b>1</b>	189	-
Critical Hdwy	141	120	4.1	6 <b>2</b> 01	6.4	6.2
Critical Hdwy Stg 1	۲	•	-		5.4	-
Critical Hdwy Stg 2	-	-	1	•	5.4	-
Follow-up Hdwy	3 <b>8</b> 3	-	2.2		3.5	3.3
Pot Cap-1 Maneuver	3 <b>9</b> 3	-	1372		614	840
Stage 1		303	:•0	: <del>+)</del> );	833	-
Stage 2	2002	-	3 <b>#</b> 32	3 <b>4</b> 33	848	-
Platoon blocked, %	ан (так) С	( <b>1</b> )		7 <b>4</b> 37		
Mov Cap-1 Maneuve	er 😑	-	1372	-	613	840
Mov Cap-2 Maneuve	er 🗧	-	-	-	662	-
Stage 1	35		100	120	831	-
Stage 2	(#3		:#2°		848	-

Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	10.3
HCM LOS			В

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	689	-		1372	
HCM Lane V/C Ratio	0.017	( <b>=</b> 3		0.002	-
HCM Control Delay (s)	10.3	3000		7.6	÷
HCM Lane LOS	В	-	3 <b>4</b> 0	Α	
HCM 95th %tile Q(veh)	0.1	8 <b>4</b> 8	3 <b>4</b> 3	0	-

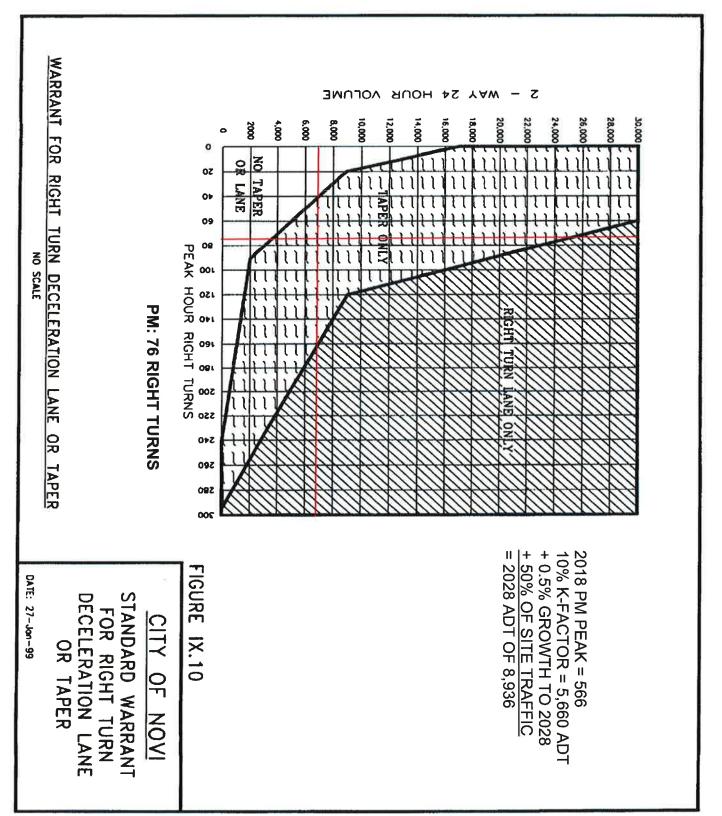


Figure IX.10

(Ord. No. 99-124.11, PL XXXIII, 7-26-99)

9/29/2014

**DESIGN STATEMENTS** 

# Sakura Novi Design Statement

The development of Sakura Novi has incorporated specific design imperatives to create a retail development both rich in authentic Asian spirit and a unique one of a kind retail destination in Metro Detroit...

- Light
- Landscape
- Water
- Architecture

These 4 individual features are combined in readily interactive and dramatic Asian centric public retail events. (Please note these 4 "imperatives" drive the design discipline aesthetic of the "place" — however Tenant Signage in both English letters and Asian script characters dramatically communicate Sakura Novi's unique intent for both the driver and the strolling pedestrian.)

- Light
  - o Lighting at landscape to highlight its specialness create night-time drama,
  - o Lighting at storefronts per lit facades and backlit screens,
  - Lighting of tenant signs that introduces the energy of the Asian marketplace, through the use of neon formed Asian script characters in team with letter lit English lettering,
  - Lighting at the water a night show.
- Landscape
  - Japanese and Chinese Asian influences, philosophy of composition, sensitive incorporation of naturalist site and water features, plant selection and form,
  - Landscape provides an impactful and signature event at Sakura Novi and a primary visual departure from typical shopping center norms.
- Water
  - o Dramatic feature amenity and experiential centerpiece of the project,
  - Primary contributor to an Asian garden tradition important to the project and integral to the project's long-term success.
- Architecture
  - Recent Japanese and Chinese architecture, in all forms, has utilized modern technology to celebrate traditional wood, masonry and metal materials, in many instances, setting the new modern agenda for architecture everywhere,
  - At Sakura Novi we use simple bold expanses of intersecting and overlapping planes to define building forms consistent with contemporary Asian themes,
  - Unadorned textured brick surfaces juxtaposed to plain smooth finished gridded walls accented by structurally expressive canopy apparatus that provide focused locations for tenant sign placement.

# Sakura Novi Design Statement – Residential Building Types

The residential design concept focuses on how the building and site design serve as a continuation of theme through a transition of typology. The site design has intentionally created strong visual and physical connections between the townhomes, retail and site amenities using light, landscape, water and architecture.

The residential building design achieves transition through an architecture which plays off simple, bold forms and linear patterns consistent with modern Asian architecture while respecting the scale of the residential vernacular. The exterior architecture focuses on the use of scale, proportion and balance to break down the building mass by delineating the individual units and providing appropriate residential scaled details. The units maximize the connection to outdoor space with ample fenestration in a modern expression on the façade. The main living spaces open to second floor balcony vistas and ground level porches flow into garden and lawn spaces. The landscape design connects these garden spaces through interconnected walks creating a social, walkable neighborhood that seeks to be connected to the other site amenities and commercial sectors of the development.

The building materials have been chosen based on their qualities of durability, sustainability, longevity, vernacular appearance, scale and low maintenance. The layered and light expressions of timber frame structures in traditional Asian architecture have influenced our desire to deviate from the use of primarily brick and stone on the facades. The base of the buildings are anchored to the ground with the use of a dark earth tone brick as a foundation facade material. The building fronts rise into distinctive parapet elevations clad in white horizontal vinyl siding, 4" in width. The use of the slender siding material portrays a lightness of material weight consistent to traditional Asian architecture contrasting the weight of the brick base. The use of traditional residential building materials in a modern expression of pure form aims to create a transitional yet timeless architecture.



Brian Neeper Architecture P.C. 630 N. Old Woodward, Suite 203 248. 259. 1784

Birmingham, MI 48009 brianneeper.com

# APPLICANT RESPONSE LETTERS





December 4<sup>th</sup>, 2019

Ms. Lindsay Bell City of Novi Planning Department 45175 Ten Mile Road Novi, MI 48375

Re: PRO Site Plan Submittal Response Letter Sakura Novi & The Residences at Sakura Novi Novi, MI

Dear Ms. Bell,

Thank you for your Plan Review Center Report dated November 4<sup>th</sup>, 2019. We are very pleased that your team is able to recommend approval of Phase 1 for Sakura Novi at this time, with anticipated adjustments.

It has been a great experience working with the City of Novi since August 2016 to bring the Sakura Novi concept to the community. This concept was only in the visioning phase when the City purchased the Anglin parcel at the end of 2016, and enacted in December 2016 Ordinance No. 18.276 to amend Ordinance No. 97-18. The purpose of Ordinance No. 18.276 was to "incorporate recommendations provided in town center area study to facilitate the development of existing and vacant parcels into a viable and active 'Town Center' area." Specifically, Ordinance No 18.276 amended Section 3.27 "TC and TC-1 Town Center District Required Conditions" to read as follows: "The TC-1 District is especially designed to encourage developments of an urban 'Main Street' with mixed land uses and shared parking. Flexible regulations regarding streetscape design, landscape design, provision of parking facilities, architectural and façade design, residential dwelling units, and setback standards are intended".

We are proud of what we are seeking to accomplish with Sakura Novi, and we appreciate the work the City has done in procuring the land and pushing for flexibility to introduce vital new offerings within the City's downtown. We can only hope that Sakura Novi meets the City's vision within the context of the conditions of the land in question. We are striving to add further public benefits for the community. In all cases, we thank the leadership in the City for their support to date.

We agree with Novi staff's assessment that there is insufficient detail and ambiguity about Phase 2. There are just too many unknown variables in the Max Density Plan for us to satisfactorily provide the





required information to move forward the Max Density Plan. Upon consideration, we have decided to focus in this response letter and moving forward with a revised Baseline plan for consideration. We can, at the present time, address in adequate detail the specifics of this plan so as to eliminate ambiguity from the entitlement process.

As we discussed with staff, we want to emphasize that we are not precluding the possibility that compelling opportunities will emerge as we move forward. It is unknown what such opportunity might be, and so it is not currently possible to satisfactorily meet the requirements for information involved in the PRO process. Our intent would be to resolve this, if parties are so inclined, by initiating a PRO Amendment process. We would also look to initiate a PRO Amendment process should Ecco Tool Co decide to join our cause and include their remaining parcel in a transaction. The PRO Amendment process will likely be necessary, in any case, whenever Ecco Tool Co is prepared to act now or in the future.

We were heartened at the 11.13.19 Master Planning and Zoning Committee meeting, that Planning Commissioners Pehrson and Anthony expressed enthusiasm about Sakura Novi Phase 3, which contemplates a harmonious residential use on a parcel nearby the main Sakura Novi campus. At the same time, we do understand that there are issues with Phase 3, including, among others, that City perceives there to be legal issues vis a vis to Purchase Agreement with the City of Novi with proceeding with this plan at present; that the intent for the land in question is TC-Gateway East rather than TC-1; and that TC-Gateway East calls for parcels that are larger than the Phase 3 parcel in question. We do continue to believe that Phase 3 is a compelling addition to the Sakura Novi plan and to the downtown core. Robertson Brothers Homes, as the developer of Phase 3, will continue to advocate for its approval. Perhaps, Phase 3 can also be an opportunity that we focus on with any prospective PRO Amendment process.

We are also considering seriously other comments raised at the 11.13.19 Master Plan and Zoning Committee meeting by Commissioner Pehrson, Commissioner Anthony, Commissioner Gronachan, members of the public, and other meeting participants.

- First, as safety is a paramount priority, we are taking all measures to ensure appropriate turning radii for fire and safety vehicles.
- Second, we understand the importance of additional public benefits, and we interested in satisfying the community's expectations. We look forward to implementing the many ways we plan to program Sakura Novi as a community entity. We are working hard and at great cost to make the pond and surrounding walking path into a signature public amenity. Our intention is to partner with the corporate community in order to program this new facility. We have also agreed with True World Group that their community room in their facility may be usable by the broader community as a public benefit. As a follow-up to suggestions at the Master Plan and





Zoning Committee meeting, we are initiating a process of exploring a partnership with Novi Public Library. We have scheduled an introductory meeting with library staff to further discuss opportunities for a multi-lingual Little Free Library program. True World Group has agreed to allow us to use space for this purpose as a public benefit.

- Third, we understand that traffic is an issue in downtown Novi. We have further studied traffic flow issues created by the Baseline Plan as opposed to the Max Density Plan, and any resulting need for road improvements. The results of this study, as stated in Bergmann's addendum, is that a tapering lane on 11 Mile Road is unnecessary. We are, however, currently studying whether parallel parking on 11 Mile is feasible as a significant public benefit. We will also further consider Commissioner Pehrson's concerns about stacking and vehicular flow through the parking lots.
- Fourth, we have worked extensively to design and create this unique destination within the boundaries of the City's Ordinances, and to refine and limit the number of deviations necessary for incorporation. Our decision to focus, at this point, primarily on Baseline Plan Phase 2, has helped with this effort. Our intensive team focus has reduced the necessary quantity by 43%.
- Fifth, as per Commissioner Anthony's suggestions, we will further investigate the impact of the residential uses on sanitary sewers and other infrastructure.
- Sixth, we heard repeatedly at the meeting that Sakura Novi must strive to be authentic; whether this pertains to the restaurant and retail collection, or the architecture, or the landscaping. We appreciated these comments because the Sakura Novi team takes great satisfaction professionally in this effort to present an offering that the community regards as authentic.

Sincerely,

G. Scott Aikens, Ph.D.





As per the City's request in the Plan Review Center Report dated November 4<sup>th</sup>, 2019, we will respond below to each of the comments in the report marked in bold.

###

"At the time of the pre-application meeting, staff asked the applicant to provide proposed parcel lines on the plans in order to fully evaluate deviations that will be required. The revised PRO Concept Plan submittal now shows a future lot line for the residential portion. However, it is unclear whether the Phase 2 area has separate parcel lines, which makes it impossible to determine building and parking setbacks. **The applicant should confirm whether this is the intent, as creating parcels in the future will be problematic if setbacks and other ordinance requirements would not be met. If parcel lines will be created, they must be shown and clearly labeled on the plans. In addition, all building and parking setbacks shall be dimensioned clearly."** 

As I mentioned above, we are at present proceeding with more specific information about Phase 2 Baseline Plan. We are consulting with attorneys as to the relative merits of creating separate parcel lines along the back of the Anglin parcel, or creating a site condominium. We will resolve this issue shortly.

#### ###

The City's emergency apparatus must be able to fully access the entire site, as well as delivery vehicles accessing the loading areas. Provide a plan showing truck turning movements are possible throughout the site (including all loading/service areas, and 50' outside, 30' inside turning radius in the residential portion). Removal of some units may be necessary to provide the required dimensions in the interest of public safety. **The Fire Review continues to indicate issues with turning radii in the residential portion of Phase 1B. These issues are not considered eligible for deviations as they are health and safety concerns. Widening the drive lanes to the appropriate ordinance standards could help resolve this problem.** 

Safety is of primary importance to us. We are seeking to better understand the discrepancy between our updated plans and the City's latest review. Please see updates below from our Civil Engineer.

###

The vinyl siding proposed for residential townhouse buildings is not a material permitted by the Façade Ordinance. **The applicant must revise the material to Cement Fiber siding in order to gain support for the Section 9 façade waiver required by the overage of siding material on the residential buildings.** See Façade letter for more details. (Phase 1B, Phase 2 Baseline, and Phase 3)





Sakura Novi is exploring options other than vinyl siding for compliance with remaining Section 9 Waiver requirements.

###

**INTENT OF THE TC-1 DISTRICT:** As stated in Sec. 3.1.26.A., 'The TC-1, Town Center district is designed and intended to promote the development of a pedestrian accessible, commercial service district in which a variety of retail, commercial, office, civic and residential uses are permitted'. The proposed uses (with the exception of Ecco Tool) are all principal permitted uses which align with the intent of TC-1, Town Center-1 district. However the balance of uses developed will impact whether the area is seen as a mixed-use commercial service district with a residential component, or a residential neighborhood with a restaurant and retail component.

Sakura Novi, an approximately 8-acre development abutting Grand River Avenue, incorporates a 25,000 sf Japanese Food Hall / Grocery, a collection of best-in-class Asian restaurants, and a 2 acre pond with gardens. This project has enough mass to stand on its own. The integrated residential town-home community will make this regional point of interest into a functioning 24 / 7 place, and this will do nothing but add strength to the integrated concept.

###

**OFF-STREET PARKING LOTS FOR SEPARATE USES:** 'The TC-1 Town Center district is further designed and intended to discourage the development of separate off-street parking facilities for each individual use, and to encourage the development of off-street parking facilities designed to accommodate the needs of several individual uses'. The proposed concept plan depicts the parking lots shared among the uses throughout the site, and the applicant has provided a shared parking study. Staff supports the opportunity to reduce parking through a shared parking arrangement, supported by the shared parking study. This strategy allows additional space for public gathering or usable open space, and to reduce deviations.

The success of the Food Hall / Grocery Market and the restaurant collection are the most important elements to the success of Sakura Novi. We have parked Sakura Novi within the constraints of our parking study to enable this success. There is, as a result, no more space in the commercial site for public gathering or usable open space. We believe the pond, the gardens and the Village of Rochester Hills-caliber land-scaping will be points of pride in the City of Novi for years to come.

###

**PUBLIC BENEFITS:** The list of public benefits provided by the applicant is reviewed in detail later in this review. Several of the benefits listed are requirements under the Zoning Ordinance, and would be expected with any development in the city, or could be





achieved through a traditional rezoning process. Others require additional information in order to be evaluated. **The applicant should continue to refine the list of benefits. Off-site benefits can also be considered.** 

We will continue to work on our list of Public Benefits throughout this process and in response to the process. As per the response letter above, as an outcome of the Master Plan and Rezoning Committee meeting on November 13<sup>th</sup>, we are interested further fleshing out the pond as a Public Benefit, in adding a partnership with Novi Public Library as a public benefit, as well as incorporating a Community Room integrated into the Market as Public Benefit. While our revised traffic study indicates that a tape lane is not called for, we are studying the feasibility of parallel parking on 11 Mile as a Public Benefit.

###

**DEVIATIONS:** Five of the original deviations requested have been removed due to modifications of the plans. The applicant has provided a list of 23 remaining deviations with some additional details, as well as justifications. The applicant is asked to continue to revise the list based on staff's comments provided in this letter. **Some of the deviations require more specific details about the deviation requested. Without those specifics, staff cannot endorse open-ended deviations**—for example, some of the sign-ordinance related requirements and no open space requirement for Phase 2. Limits must be placed on the extent of the deviations for the Planning Commission and City Council to have a clear understanding of the difference between the proposal and the ordinance standards.

See our detailed update on deviations that have been eliminated, as well as requested deviations. We have also included a detailed study of our signage program to better inform the City Council on plans.

#### ###

**FUTURE SITE PLAN REVIEWS:** The proposed development is an ambitious project that will require a carefully laid out implementation plan. Until all construction is completed, the impacts of construction traffic to the surrounding areas/businesses are hard to contemplate. The narrative from the applicant indicates a tentative Grand Opening of Phase 1 approximately 2 years from purchase of the property. **The applicant should consider adding a tentative completion date for each phase as a condition for the PRO agreement.** 

We are working on an updated time-line as part of the recently initiated dialogue on the PRO Agreement and conditions to the agreement. Our decision to focus solely on a revised Baseline Plan will help facilitate this process.





Since the development will be tied to PRO plan, when Phase 2 and Phase 3 site plans are submitted for review, they are expected to conform to the code requirements for all items that are not regulated by the approved deviations and conditions within the PRO Agreement. For these reasons, it **is vital for staff to have a clear understanding of what is being proposed at this time in order to provide clarity for future reviews. The applicant should provide the intent to address possible or anticipated future deviations if they are not requested at this time.** 

With the revised Baseline Plan we will now be able to more easily provide possible or anticipated future deviations.

###

For Phase 3, the rezoning to TC-1 is more difficult to justify since it will be surrounded on all sides by I-1 Light Industrial zoning and not connected in a meaningful way to the mixed use district of the larger Sakura Way. In essence this portion could be considered spot zoning as it is not consistent with the Master Plan, would result in incompatible land uses, and would also create hardships on future development of the surrounding parcels by limiting the by-right uses that could be developed. The intent of the TC-1 district does not match what is being proposed for this small area. Further, it is staff's understanding that the Purchase Agreement made no mention of adding this property to the proposed PRO Concept Plan and Agreement. Finally, the lack of contiguity with the other parcels may present an issue under the state zoning laws.

We believe that the residential proposed to be included as Phase3 is a crucial component of the critical mass envisioned for the ultimate success and significance of Sakura Novi's brand. However, due to Staff's apparent concerns that this land is not appropriate for inclusion in Sakura Novi at this time, the Phase3 Residential Development land will be removed for the time being from this TC-1 PRO Submittal. Ultimately, we hope to work with City representatives to include this portion of land into the Sakura Novi development as a Phase 3.

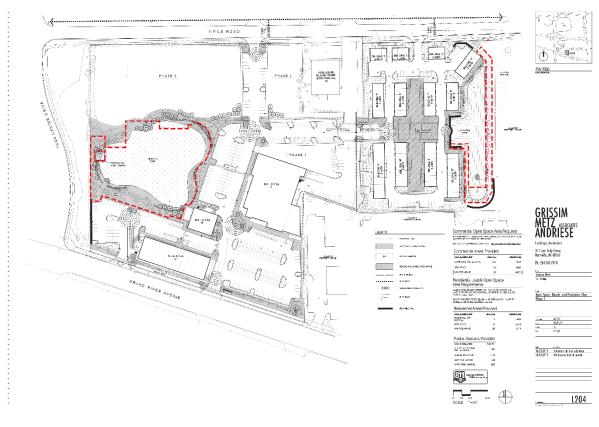
###

In addition, the applicant shall ensure that all proposed woodland replacement trees will be guaranteed to be preserved as planted within a conservation easement or landscape easement granted to the City. Additional comments and concerns are detailed in woodland review letter.

All proposed on-site woodland replacement trees have been grouped to be easily designated within landscape or conservation easements granted to the city. It should be noted that the shape of the Western easement, which encompasses the pond water feature and a stretch of the site's western







# boundary, is contingent upon phase 2 final structure locations and limit of work.

###

The applicant's mitigation options include certain strategies that are not currently supported by the City's wetland ordinance. Staff believes further details need to be addressed as part of the PRO Concept plan so as to include them in the PRO Agreement as conditions for approval. Additional comments and concerns are detailed in wetland review letter.

## Please see the update from our Wetland Consultant.

###

Protect and maintain the City's woodlands, wetlands, water features and open space. The proposed concept plan will impact regulated wetlands and woodlands. The applicant indicates they will propose wetland mitigation and protecting woodland replacement trees by way of a conservation easement. However further details are needed to evaluate the mitigation plan.





### Please see updates from our Woodland consultant and our Wetland Consultant.

###

Ensure the provision of neighborhood open space within residential developments. **The Phase 1B townhouse portion provides the Ordinance required open space.** However the **applicant indicates a deviation from open space requirements are requested for Phase 2 of the project, with no indication of any open space being provided.** 

As mentioned above, we are at present proceeding with more specific information about Phase 2 Baseline Plan.

###

The PRO conditions must be in material respects, more strict or limiting than the regulations that would apply to the land under the proposed new zoning district. Development and use of the property shall be subject to the more restrictive requirements shown or specified on the PRO Plan, and/or in the PRO Conditions imposed, and/or in other conditions and provisions set forth in the PRO Agreement. **The applicant should submit a list of conditions that they are seeking to include with the PRO agreement. The applicant's narrative does not specifically list any such PRO conditions at this time.** 

For the sake of efficiency, we are now focusing more intently on conditions to the PRO Agreement as we gain clarity from the City of Novi. For example, the process has helped us determine to focus on our revised Baseline Plan for Phase 2. Such a decision has a large impact on prospective conditions.

Our development team, our attorney, the City Manager, and the City's Attorney have now started meeting to detail conditions and commence work on the PRO Agreement.

Lest anyone forget, maintaining the unregulated central water feature as a public amenity is the most restrictive component of the entire development, reducing our available development area 1+ acres. In fact, we are confident that the Anglin parcel will never be developed by itself given this restriction required by the City in the 2016 Master Plan Update, particularly in light of the very poor soils surrounding the water feature that impose extraordinary costs on site-work in these locations. Our discipline for 3.5 years has been to preserve the vision for Sakura Novi that we share with the City of Novi, while managing the facts on the ground so as to yield a project that can be financed and, therefore, achieved.

###

PUBLIC INTEREST:





1.Developer offers to dedicate the Right-of-Way (ROW), and future ROW, along 11 Mile and Grand River. After reviewing the proposed purchase agreement between the City and the developer, Staff discovered a significant portion of the Right-of-Way is not being included in the property for sale. The applicant shall quantify the amount of additional property to be dedicated to the City/Oakland County for the purposes of Right-of-Way. This could be considered a public benefit, depending on how much property is identified.

### We will work on this calculation.

###

2. Developer offers an easement at the southeast corner of the proposed development for the City to use as for a Welcome sign. If the easement could also be open to other public purposes, such as art, or another amenity for the public this easement could be considered as a public benefit.

The intent is to be collaborative about this amenity as a public benefit.

###

3. Developer offers that the proposed neighborhood-scaled, mixed-use, pedestrian accessible development would be in line with the intent of the 2016 Master Plan. **Staff agrees; however, this generalized effect of redevelopment could also be achieved using a simple rezoning instead of a PRO.** 

We are driven by the task of gathering the collection of uses that we, after 3.5 years of collaboration with the City of Novi, are seeking to put together. We are personally neutral as to whether we use a simple rezoning or a PRO. The June 2018 Purchase Agreement negotiated between the City of Novi and Sakura Novi, LLC contemplates the use of a PRO to rezone the land to TC. The April 2019 Third Amendment adjusted the Purchase Agreement to contemplate using a PRO to rezone the land to TC-1.

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4. Developer offers space is being earmarked to accommodate structure parking in Phase 2, which could be used by a central parking agency or Special Assessment District. **Staff agrees that** it may be possible to use this space for a parking structure; however, the details of how that would be accomplished have not been proposed, and whether a parking structure in this particular area would be considered a public priority is something that needs to be discussed with the Planning Commission, City Council, and other relevant bodies (e.g., CIA).

We are no longer recommending a possible parking structure as a public benefit. Here are two, among other, reasons that have caused us to the conclude that a City parking structure, upon





consideration, may well not be practical. First, we have found the market for a hotel to be very soft, and the hotel use is a condition for the structure. Second, even if we were to procure a hotel operator, the legal clauses in a land deal now regulating the shut-down of parking at an operating hotel at a future date so that the City can build a structure would be prohibitively onerous.

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5. Developer indicates that the proposed development complements the 2016 Master Plan vision for a unique, well-designed, mixed-use facility. **Staff agrees, but this seems to be the same as described in item 3 above, and this could also be done using a simple rezoning.** 

First, item 3 describes the updating of the zoning itself. Item 5 describes the prospective completion of the envisioned plan.

Second, we are driven by the task of gathering the collection of uses that we, through 3.5 years of collaboration with the City of Novi, are seeking to put together. We are neutral as to whether we use a simple rezoning or a PRO.

#### ###

6. Developer states that growing an important existing Novi retailer (One World Market) would complement the goals and objectives of the 2016 Master Plan. Again, this growth is a generalized result that could also be accomplished through a traditional rezoning request on the subject property or another location.

We are driven by the task of gathering the collection of uses that we, after 3.5 years of collaboration with the City of Novi, are seeking to put together. We are personally neutral as to whether we use a simple rezoning or a PRO. The June 2018 Purchase Agreement negotiated between the City of Novi and Sakura Novi, LLC contemplates the use of a PRO to rezone the land to TC. The April 2019 Third Amendment adjusted the Purchase Agreement to contemplate using a PRO to rezone the land to TC-1.

#### ###

7. Sakura Novi, as a unique development would reinforce the vision of the 2014 Town Center Area Study, namely to create a dynamic, attractive city core that provides residents and visitors with unique opportunities to participate in active community life, and meet their needs for goods, services, housing and entertainment. **Staff believes that the proposal may assist the City** *in meeting the vision of the 2014 Town Center Study, provided that the plan provides for the elements that are indicated in the Phase 2 Maximum Density Scenario. The Town Center Area Study did not indicate residential uses for this location.* 





As mentioned, our intent is to proceed with Baseline Plan Phase 2. This eliminates a great deal of ambiguity.

Sakura Novi, an 8-acre development abutting Grand River Avenue, incorporates a 25,000 sf Japanese Food Hall / Grocery Market, a collection of best-in-class Asian restaurants, and a 2-acre pond with gardens. Sakura Novi has enough mass to stand on its own. The integrated residential town-home community will make this regional point of interest into a functioning 24 / 7 place, and this will do nothing but add strength to the integrated concept.

The 2014 Town Center Area Study indicated the Anglin parcel should be re-zoned to TC classification to better accommodate viable uses perceived for that site. TC zoning includes residential uses. Therefore, the 2014 Town Center Area Study recommends residential uses on Anglin parcel, by right. TCGateway also includes residential as a development option.

###

8. Developer indicates that the proposed Sakura Novi, with its unique collection of market, restaurants and retail is anticipated to be an economic engine, generating 170 permanent jobs. While this statement is a testament to the economic benefits of the anticipated development potential, it could also be achieved with a simple rezoning instead of a PRO. Greater economic impacts would be achieved with the Phase 2 Maximum Density Scenario, but would seem to be considerably less if the Phase 2 Baseline option is developed.

We are driven by the task of gathering the collection of uses that we, after 3.5 years of collaboration with the City of Novi, are seeking to put together. We are personally neutral as to whether we use a simple rezoning or a PRO. The June 2018 Purchase Agreement negotiated between the City of Novi and Sakura Novi, LLC contemplates the use of a PRO to rezone the land to TC. The April 2019 Third Amendment adjusted the Purchase Agreement to contemplate using a PRO to rezone the land to TC-1.

Sakura Novi, an 8-acre development abutting Grand River Avenue, incorporates a 25,000 sf Japanese Food Hall / Grocery Market, a collection of best-in-class Asian restaurants, and a 2-acre pond with gardens. Sakura Novi has enough mass to stand on its own. The integrated residential town-home community will make this regional point of interest into a functioning 24 / 7 place, and this will do nothing but add strength to the integrated concept.

###

9. The proposed residences at Sakura Novi will provide smaller footprint, middle-market rate residential rental offerings. The new homes would be a draw to Asian ex-patriot professionals and their families, as well as the large corporations that sponsor many of these families. Staff agrees that the mixed-use components, of restaurants, retail, residential, and potentially office and hotel uses, meets the intent of the Master Plan and the appeal to the





many Asian residents in Novi has been well-framed by the developer; however, again, these are generalized results that could also be achieved with a simple rezoning instead of a PRO.

We are driven by the task of gathering the collection of uses that we, after 3.5 years of collaboration with the City of Novi, are seeking to put together. We are personally neutral as to whether we use a simple rezoning or a PRO. The June 2018 Purchase Agreement negotiated between the City of Novi and Sakura Novi, LLC contemplates the use of a PRO to rezone the land to TC. The April 2019 Third Amendment adjusted the Purchase Agreement to contemplate using a PRO to rezone the land to TC-1.

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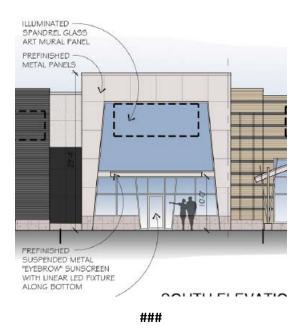
10. The developer indicates that the proposed Sakura Novi is anticipated to reinforce Novi's tax base beyond the project itself by creating a platform that can foster partnerships among the City of Novi, cultural institutions and the corporate community. An example provided is the partnership with the STAMPS School of Art and Design at UM, and the Japan America Society to create a Japanese themed illuminated applique. While the application does not include specific details, if the intent is to provide public art within the development for the enjoyment of the general public, that could be considered a public benefit that would not otherwise be achieved through conventional development proposals. We appreciate the concept of collaborations and partnerships but the actual outcomes are difficult to measure in real terms. (It is also worth noting that murals often spark discussion about the proliferation to other properties throughout the City; they are considered signs, and therefore present unique issues that bear real discussion by policy-makers.)

If Novi wishes to proceed with the cited partnership, we will be sensitive to any unique issues raised by our proposal to source public art to be incorporated at a critical point in the Sakura Novi façade facing Grand River Avenue. The back-lit piece will be laid over glass. We do believe this proposal would result in a place-marker for Sakura Novi within the downtown core that has aesthetic merit.

The location for this piece facing Grand River Avenue is the area shaded in blue in the colored elevation below:







11. The development will create a park-like environment around the existing pond, including a walking path around the pond and throughout the site, available to the general public. Landscaping treatments, the pathway, and a small building at the edge of the pond will "activate" the pond. Staff agrees that enhancing the existing water feature and inviting the public to enjoy the amenities of the site would be considered a public benefit above what may typically be provided on a conventional development proposal. This benefit is also repeated above in item 5.

Item 11 is about the pond in specific, while Item 5 does not specifically call out the pond. There are lost opportunities for revenue generation involved in incorporating the pond, and extraordinary costs in time and money with conceptualizing, building and maintaining the pond. These are large and costly public benefits that pertain specifically to how we have sensitively prioritized the pond.

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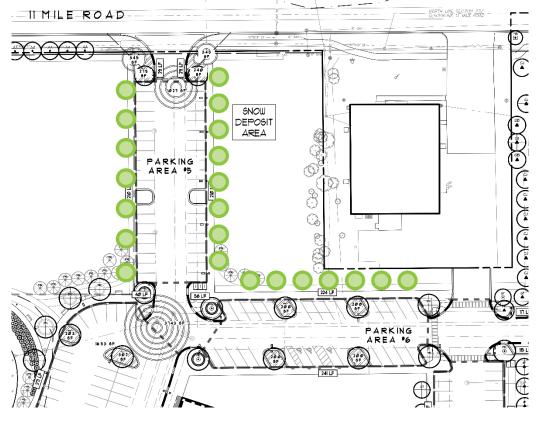
12. Fostering walkability and connectivity within an important corner at the heart of Novi by providing the walking path around the perimeter of the pond, as well as the "tree lined boulevard" and "pocket gardens" leading to the residential common area. This item is closely linked to items 11 and 5. While the walking path around the pond and the common area of the residential portion of Phase 1B are amenities, they are also meeting the requirements for open space of the TC-1 district, which would be expected from any development. Further enhancement of the "boulevard" and identification of the pocket gardens on the plans is needed to classify this as a public benefit.





The item that truly will drive walkability and connectivity in Novi or anywhere is the collection of uses (the Food Hall / Grocery Market, the restaurant collection, the residents circulating around the site 24/7), embedded in a strong softscape / hardscape environment that is on par with the Village of Rochester Hills. The landscaping on the commercial site cannot be enhanced to that point at which further enhancement would impinge on the needs of the dynamic commercial uses that will truly be bringing walkability and connectivity to this part of Novi's downtown core. This includes the need for parking, the needs of retailers and restaurants for site-line visibility from streets and parking fields, and the need to not encumber future Phase 2 uses with unnecessary landscaping features.

The boulevard in question has been enhanced through additional tree plantings connecting the residential portion of the site to the walking paths surrounding the pond. 22 trees have been added in the area, which serve the added benefit of bringing the overall planting plan into alignment with the city's Parking Perimeter Tree planting ordinance requirements.



###

13. The walkability of the development can potentially energize other areas in the Town Center core. For example, there is an opportunity to create walkable connectivity to the City-owned lake





to the east of the site. **Staff believes there this could be an opportunity for the developer to** offer an enhancement that would create a public amenity. It is unclear from the submittal if the developer is offering such an enhancement.

This is another way to say that the uses will be driving pedestrian traffic that will spill over to other areas around the site. The developer will not enhance a pedestrian path at the city-owned eastern municipal retention basin, as Phase3 residential connectivity is no longer necessary. This city-owned eastern municipal retention basin, it should be noted, has been cited as another prospective site for a public benefit.

###

14. In keeping with the intent to create an Asian village theme, Sakura Novi's design features, as described in the Architects' Design Statements, intends to create a bold, yet refined, aesthetic reminiscent of upscale shopping, dining and entertainment districts one may find in Osaka, Seoul and Hong Kong. The City's façade consultant indicates that the revisions to the proposed commercial building designs more closely comply with the Façade ordinance compared to the previous submittal. The commercial buildings also include architectural features that substantially enhance the overall design quality of the project. There are also landscape, hardscape (such as decorative paving at key intersections), and accessory details, such as the proposed tea house near the pond, that will elevate and carry the theme through the development. Whether these rise to the level of a benefit to the public is a question for further discussion.

This discussion is ongoing.

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15. The signage package, although it does not meet the ordinance standards, is meant to underscore that Sakura Novi is a cohesive, singular concept, and a regional destination to help the development team assemble an international blend of new and fresh merchant offerings. The deviations requested for the signage package are significant. Establishing this development as a culturally diverse destination is warranted, and signage could be a way to distinguish this area of the community from other nearby developments. However, staff does not have enough details of the signage proposed throughout the development to determine whether this would be an enhancement to

Final results will be a function of the dynamic business uses we sign to be Tenants at Sakura Novi. We are seeking deviations that give us the leeway to work hand-in-hand with Tenant's to put them in the best possible light.





December 4, 2019

Ms. Lindsay Bell City of Novi Planning Department 45175 Ten Mile Road Novi, MI 48375

Re: PRO Site Plan Submittal Project Narrative Sakura Novi & The Residences at Sakura Novi Novi, MI

# LIST OF REQUESTED DEVIATIONS

Sakura Novi's List of requested deviations from TC-1 Ordinance standards is included here:

- 1. Per section 3.27.1.C, Deviation is being requested for reduction of Exterior side yard setback dimension of 50' to 10' for Building A, where adjacent to Zoning B-3 commercial property (Advance Auto). RBA believes maintaining the stipulated setback would serve no good purpose as the commercial retail use on the adjacent parcel is similar in use to the uses proposed in Building A and for all GRA accessed components of proposed development. If this deviation is not obtained, the development will suffer from a large swath of the prime frontage along GRA being unusable for building footprints and useful parking, and will be unable to accommodate the driving anchor tenant's requirements. Providing cohesively designed and integrated frontage along the GRA corridor, as opposed to fractured and separate, serves the intent of Novi's Master Plan.
- 2. Per section 3.1.26, Deviation is being requested for reduction of Exterior side/rear yard parking setback dimension of 10' to 5' for the western parcel line near Grand River Avenue, adjacent to Zoning classification TC, a woodland preserve and green space preserve area (in perpetuity) directly adjacent, and for the southern parcel line to the rear of the Auto Parts store parcel, zoned B-3. RBA believes the benefits presented by increasing the main western pedestrian project entrance sidewalk width and landscaping generosity greatly outweigh the value of additional landscaping provided against this natural, mature woodland preserve area. Additionally, separating identical use areas (delivery/trash) between like uses with excessive landscape separation serves no useful purpose. If this deviation is not obtained, the proposed development will provide a less significant public connection to the GRA/Main Street intersection and the adjacent city center developments, or unnecessarily need to reduce the proposed building footprints, reducing income and rendering the project un-viable. Providing cohesively designed and integrated pedestrian connections along the GRA corridor serves the intent of Novi's Master Plan.
- 3. Deviation per Section 11-216(d)(1) **removed** Deviation is being requested for 3 entrances from project onto Grand River Avenue, concurrent with the findings of the Traffic Report confirming this third





easternmost entrance as proposed and where proposed will ease pressure on left eastbound turning movements out of site during peak times.

- 4. Per Section 3.6.2.M, a Deviation is being requested for reduction to 0' Wetland Setback to accommodate remediation process, development of feature landscaped retention basin on western portion of site and for careful integration of on-site detention on far eastern portion of site, abutting city-owned retention/wetland basin. Noted in Wetland Report. The deviation is essential to accommodate the environmental remediation process, the integration of the re-contoured and thematically planted perimeter banks, and to develop the central park-like pedestrian paths and water feature area accessible to Novi's public, designed to connect the existing Main Street area to the OSC development areas and hotels to the north. If this deviation is not obtained, creation of the public spaces and urban connectivity as envisioned in Novi's Master Plan will be far too consumptive of linear space for this particular site to be efficiently and effectively developed.
- 5. Per Section 3.1.26 Deviation is being requested for existing and proposed side/front yard parking along 11 Mile Road. Existing occurs at Ecco Tool shop. Proposed occurs in three locations see PRO plan. The deviation is essential to accommodate the existing conditions of an existing use to remain. If this deviation is not obtained, extensive modifications would need to be made for an unimproved, grandfathered use that is anticipated to be relocated in the near term.
- 6. Deviation per Section 5.5.3.B.ii.f removed Per Section 5.5.3.B.ii.f Deviation is being requested for reduction in setback from 20' to 10' for temporary paved parking field along 11Mile ROW in Phase2 section of development, to be supplanted with future structured parking. See PRO plan. This deviation is of a practical nature in anticipation of, and when considering the maximum potential build out foreseeable for this city central project site, consistent with Novi's Master Plan's intent. If this deviation is not obtained, significant construction complications are anticipated for the maximum potential build-out foreseeable for this city central project site.
- 7. As a component of the Maximum Build-out scenario, Per Section 5.5.3.B.ii.f Deviation is removed. being requested for reduction in setback from 20' to 10' for temporary paved parking field along 11Mile ROW in Phase2 section of development, to be supplanted with future structured parking. See PRO plan. This deviation is of a practical nature in anticipation of, and when considering the maximum potential build-out foreseeable for this city central project site, consistent with Novi's Master Plan's intent. If this deviation is not obtained, significant construction complications are anticipated for the maximum potential build-out foreseeable for this city central project site.
- 8. As a component of the Maximum Build-out scenario, Per section 3.27.2.A.ii, Deviation is removed. being requested for 11Mile buildings' frontages being less than 150'. Example: Building E currently contemplated as approximately 80'. Seeking height bonus as permitted for 6 level building E, with composition of uses as described/shown in chart on PRO plan. This deviation is essential when considering the maximum potential build-out foreseeable for this city central project site, consistent with Novi's Master Plan's intent.
- 9. As a component of the Maximum Build-out scenario, Per section 3.27.1.f, **Deviation is <u>removed</u>**. being requested for standardized Open Space requirements for Phase2. Open Space is defined in the ordinance thusly: Open Space: An area of land that remains primarily undeveloped and in its natural state. For the





purpose of this Ordinance, open space may include park lands and park facilities so long as they are provided as a part of an open space area. There will no longer be ground on this site in its natural state. This standard is not conducive to achieving an effective development result when the goal is dense development where site sizes are limited (under 50 acres or so). This deviation is essential for all projects when considering the maximum potential build out foreseeable for this city central project site, consistent with Novi's Master Plan's intent. Phase1 has been designed to meet the city's ordinance, but Phase2 will need the deviation if density beyond townhomes is desired.

- 10. Per Section 3.27.1.C Deviation request is removed for 11Mile frontage building setback limits.
- 11. Per Section 3.1.26 Deviation is being requested for parking area setback in NE corner of project along 11 Mile Rd., adjacent to Residential Bldg3. See PRO plan. This deviation is of a practical nature as it is used in conjunction with the dropping natural grade along 11Mile Road at the east end of the site. This deviation allows more residential units to have their primary exposure and uninterrupted views toward the natural area to the east, as opposed to being elevated significantly above grade and overlooking 11 Mile Road, clearly less desirable to the occupants, fitting with the City's Master Plan intent of integrating existing natural features into new developments. If this deviation is not obtained, a harsh and unnecessary condition will be created, inconsistent with the project's desire for more natural features integration.
- 12. Per Non-Motorized Master Plan Deviation request is **removed** along 11 Mile frontage submission as proposed includes connection to existing bike path on north side of road (considered to be a Neighborhood Connector Route). Per Section 3.27.1.1 Deviation is being requested for reduction in sidewalk width from 12.5' to 6', such that sidewalk as proposed can be combined with adjacent landscaping as added buffer for residential product to be used in conjunction with maximum permitted setback. This condition is proposed for the length of the 11Mile Road project frontage. See PRO Landscape Plans. This deviation is of a practical nature in anticipation of the true quantity of pedestrian activity at the perimeter of the proposed TC-1 district, and is consistent with Novi's Master Plan's intent. An existing bike path is located on the north side of 11Mile Road, meeting the needs of the City's Non-Motorized Master Plan. If this deviation is not obtained, a harsh and unnecessary condition will be created, inconsistent with the project's desire for more natural features integration, which is consistent with the City's Master Plan.
- 13. Per Section 5.15 and 3.27.1.g Deviation is requested for facade material exceptions included as part of the submittal, addressing comments received by city's architectural consultant. See PRO Plan Elevations. Also see included written Design Statements. The deviation is sought to accommodate the expectations of the international tenants and residents for distinctive enhancement and differentiation of this unique development destination project. This deviation allows the creation of environments more specifically tuned to the thematic Asian Village concept development that is being proposed, consistent with the intent of the City's Master Plan. If this deviation is not obtained, the significance of this unique, market specific development will be compromised. If this deviation is not obtained, creation of an authentically presented Asian Village will not be possible.
- 14. Per Sections 3.27.1.H and Section 5.4 Deviation is being requested for limited reductions in loading/service areas, and locations, as shown See PRO plan and accompanying chart detail. Note that conditions for maximum density scenario have been removed. Deviation is requested for loading areas as positioned. Screening will be provided for all trash/loading areas not facing a directly adjacent loading





area. This deviation provides for sufficient tenant loading and trash services, and allows for the creation of environments more specifically tuned to the thematic Asian Village concept development that is being proposed, consistent with the intent of the City's Master Plan. If this deviation is not obtained, significantly larger service areas will need to be provided in obtrusive areas that will adversely affect pedestrian traffic, which is not consistent with the City's Master Plan.

- 15. Per Section 3.27.2.B Deviation is being requested for prototype store relocation opportunity. Tenant will contain 25,000sf on main level with 3,500sf support office use and 1,500sf overflow seating on mezzanine level. Tenant will have entrances on both permanent public building exposures, meeting the 125' maximum spacing criteria. See PRO plan. This deviation provides for the relocation of an existing Novi retailer, consistent with the City's Master Plan, and allows for the creation of an environment more specifically tuned to the thematic Asian Village concept development that is being proposed. If this deviation is not obtained, One World Market's development of a new prototype store and as the Asian Village anchor may be forced to relocate outside of Novi, which is not consistent with the City's Master Plan.
- 16. Deviation per Section 5.16.1 is being **removed** for bicycle parking ratio on residential portion of overall project. Bicycle parking to be provided on Retail portion of project will exceed ordinance in Phase1 based on Parking Study recommendations for overall parking required.
- 17. Per Section 5.7.3.K Deviation is being requested for site Illumination level variance for multiple walkway areas, and for TC-1 fixture style selection. Site walkway areas will vary below 0.2fc minimum standard on natural pathway around water feature. Site walkway areas in residential portion will vary below 0.2fc minimum standard. Parking area in residential area will fall below 0.2fc minimum standard. See revised PRO photometric plan. This deviation provides for sufficient nighttime illumination levels for the natural pedestrian path around the water feature, and for appropriate site illumination levels within the residential portions of the project. If this deviation is not obtained, the residential portions of the project will exist with an unnatural and undesirably high lighting level during the nighttime hours, which will be detrimental to their occupants and leasing ability, which is not consistent with the City's Master Plan.
- 18. Per Chapter 28 of the City Code, and per the Sign Design and Review Manual for Novi TC-1 District -Deviation is being requested for TC-1 project tenant signage size standards – number and project signage types and shapes and areas calculations based on dual-language signage as part of authentic Asian Village. Please refer to attached Signage Deviation Letter and supporting documents. Project requires duallanguage signage for authentic presentation of international tenants and clientele expectations. Many tenants will have both front (facing ROW) and rear (primary) entrances. Per 28-5.c.1.a, an increase of 100% over standards is required to accomplish the dual language signage. Per 28-5.c.1.b, (2) signs of equal permitted size are requested for each typical retail/restaurant tenant, as well, as most tenants will have pedestrian entrances on 2 separate facades. Per 28-5.c.1.d, (2) signs of equal permitted size are requested for each project interior retail/restaurant tenant (not fronting public streets), consistent with other project lease space, and permitted sign area needs to be calculated as per 28-5.c.1.a. Per 28-5.c.2.b, Signage style and type, as well as materials and illumination standards shall not adhere to the Sign Design and Review Manual for Novi TC-1 District. 28-5.e.1.a, an increase of permitted projecting sign area to match primary signage area allotted up to 72sf maximum, 28-5.e.2.a, an increase to 45sf of total area. The deviation is essential to accommodate the needs of the international tenants intended to provide their signage in both the characters of their native language along with the English translation of their names.





If this deviation is not obtained, creation of an authentically presented Asian Village will not be possible as envisioned by Novi, and as supported by the intent of the City's Master Plan.

- 19. Chapter 28-10 of the City Code, and per the Sign Design and Review Manual for Novi TC-1 District Deviation is being requested for removing prohibition of 28-10.a.3 string lights, exposed luminaire strip lights or neon tubes along building edges or other locations, 28-10.a.4 animated signs. These elements, video display screens and/or animated LED lighting systems as part of public entertainment feature opportunity, are crucial to an authentic Asian environmental experience. The deviation is sought to accommodate the needs of the international corporate community to drive their endorsement and future sponsorship opportunities as the project evolves into its future phase(s). If this deviation is not obtained, creation of an authentically presented Asian Village will not be possible.
- 20. Per Section 5.3.2 Deviation is being requested for drive lane reduction in residential Phase1. See supplemental detail on Civil Sheet C-2.2. This deviation provides for sufficient traffic movement clearances to satisfy resident, service and emergency vehicle needs in the residential portions of the project, while enhancing the Mixed-Use vibrancy of the overall development. Sufficient clearance has been provided to lanes to accommodate emergency vehicle turning movements. If this deviation is not obtained, the residential portions of the project will have an inappropriate area allocated between units in the rear/service/alley space, which is not consistent with the City's Master Plan for developing density in this core district.
- 21. Per Section 3.27.1.C Deviation is removed. being requested for Phase 1 internal site buildings A and B that exceed permitted setback limit from Grand River Avenue, and for future proposed Phase 2 buildings with setback greater than 10' to 11 Mile Road. Phase 2 buildings will be accessed via internal drive lanes, similar to proposed residential layout for Phase 1. See P1.1. This deviation provides for the ability for any developer to generate density throughout a project of this land area in classification TC-1. If this deviation is not obtained, the proposed development will not be able to provide the future density desired and envisioned as part of this particular development site, which is not consistent with the City's Master Plan.
- 22. Per Section 3.27.1.i Deviation is being requested for 11 Mile Road 6' sidewalk width as proposed see PRO plan. The deviation is essential to provide sufficient landscaping material for the greenbelt screening for the uses proposed, while maintaining the <u>negotiated</u> permitted TC-1 setback limit<u>at the residential</u> uses (11' to porch, 16' to townhouse facade), and for connecting the natural features of the project to the adjacent land features. If this deviation is not obtained, creation of a beautiful and appropriately landscaped pedestrian thoroughfare will not be possible as envisioned by Novi, and as supported by the intent of the City's Master Plan.
- 23. Per ordinance 18.283 section 5.5.3.A Landscape Deviation is being requested for landscaping buffer shown. Proposed TC-1 zoning shall have a 6-8 ft ht berm or wall when adjacent to B3 zoning. Because the buffer area is only 12ft wide and the residents' living areas are on the 2<sup>nd</sup> & 3<sup>rd</sup> floors, we are proposing a continuous evergreen hedge to be maintained at 6' ht with densely planted deciduous canopy trees. A wall would serve no additional good purpose and the proposed plantings will provide a more aesthetic screen in keeping with the landscape design. If this deviation is not obtained, the proposed development will not be able to provide the future density desired and envisioned as part of this particular development site, which is not consistent with the City's Master Plan.





- 24. Buffer between commercial/residential parking lot and MF building 9 deviation removed as both uses are permitted uses within proposed TC-1 zoning.
- 25. Per ordinance 18.283 section 5.5.3.A proposed TC-1 zoning shall have a 10-15ft ht berm planted to achieve 80% opacity in winter and 90% opacity in summer. Because the distance from the face of the residential units to the property line is less than 30 ft. and has the following conditions:
  - a. The current I-1 use operates during the day and there are no building openings on the east side facing the TC-1 residential to create noise.
  - b. The I-1 parcel is proposed to be rezoned to TC-1 as a part of this project.
  - c. The residential unit living areas are on the second and third floors.

We are proposing a continuous evergreen hedge to be placed and maintained at 5' ht with densely planted upright canopy trees. A wall would serve no good purpose and the proposed plantings will provide a more aesthetic screen in keeping with the landscape design. If this deviation is not obtained, the proposed development will not be able to provide the future density desired and envisioned as part of this particular development site, which is not consistent with the City's Master Plan.

26. Per ordinance 18.283 section 5.5.3.C.ii.B – Parking Area Landscape Requirements – A parking deviation is being requested for the landscaped area endcap island requirements of Section 5.3.12.; "In order to delineate on-site circulation, improve sight distance at the intersection of parking aisles, ring roads, and private roads, protect the vehicle at the end of a parking bay, and define the geometry of internal intersections, end islands (landscaped with raised curb) shall be required at the end of all parking bays that abut traffic circulation aisles in off-street parking lots." A. The required square footage of interior parking lot landscaping has been provided.

B. The required number of interior parking lot canopy trees have been provided.

C. The required Endcap islands have not been provided.

We are requesting a deviation from providing additional landscape as in order to do so, we will have to reduce the large areas devoted to landscaping the west detention pond perimeter. The Town Center Area Study recommends the pond to be a focal point and that it could be used to host community events which we are providing. We believe this large and contiguous landscaped amenity provides a much greater community benefit. If this deviation is not obtained, the proposed development will be required to provide even larger overall parking lot areas along Grand River Avenue, which is not consistent with the City's Master Plan.

27. A: Per ordinance 18.283 section 5.5.3.D – Building Foundation Requirements - A Landscape Deviation is removed. for foundation plantings around all Phase 1 Commercial buildings. Plantings have been proposed along the façade of all phase 1 commercial buildings in beds measuring at least 4' wide. These plantings, combined with adjacent decorative paving areas, extend across at least 75% of all commercial building perimeters. With regard to the square footage requirement, we are requesting a waiver per Ordinance 5.5.3.D.ii.g; "With respect to projects in the TC and TC-1 districts, the Planning Commission may waive the 8 foot width calculation requirements if significant additional planting and/or decorative paving or amenities are added adjacent to the building."

B: Per ordinance 18.283 section 5.5.3.F – Subdivision Planting Requirements – A Landscape **Deviation is** <u>removed.</u> for foundation plantings in front of the building garages and interior street tree requirements.





We believe the area in front of the garages should be excluded similarly as driveways are excluded. In order to provide building foundation plantings adjacent to the garages the residential layout would need to change to a more suburban layout which would undermine achieving the density conducive of the TC-1 zoning. The proposed landscape meets all street tree requirements (Sec 5.5.3.F.c) and we believe the landscaping density of this compact TC-1 development far exceeds the typical amount of landscaping for multifamily developments. If this deviation is not obtained, the proposed development will not be able to provide the density desired and envisioned as part of this particular development site, which is not consistent with the City's Master Plan.

28. Ecco Tool will remain as a part of this overall development, though its remaining parcel will be rezoned to TC-1 as a part of this redevelopment initiative. Ecco Tool will then be a non-conforming use until their operations cease. We require a deviation for this non-conforming use. The existing parcel occupant will be provided their own separate legal parcel as a division of their existing landholdings within the tracts. This deviation provides for the relocation of an existing Novi retailer, consistent with the City's Master Plan, and allows for the creation of an environment more specifically tuned to the thematic Asian Village concept development that is being proposed. If this deviation is not obtained, the proposed development will not be able to provide the amenities and density desired and envisioned as part of this particular development site, which is not consistent with the City's Master Plan.

# LIST OF PROSPECTIVE PRO AGREEMENT CONDITIONS

Developer has started to draft a list of possible conditions, which will continue to evolve as the approval process continues:

- Developer shall develop the Land in accordance with all applicable laws, ordinances, and regulations, including all applicable setback requirements of the Zoning Ordinance under the Proposed Classification, except as expressly authorized herein, and all storm water and soil erosion requirements and measures throughout the site during the design and construction phases of the Development, and during the subsequent use of the Land as contemplated in this Agreement.
- 2. The grass-land pads shown on the landscape plans shall be properly maintained as grass-land pads until such time that area is needed for Phase 2 uses to be developed.
- 3. The maximum number of dwellings to be constructed in Phase 1 shall be 68.
- 4. Phase 1 non-residential uses shall be limited to a 30,000 sf market; and restaurants and retail space totaling approximately 25,000 sf as shown on the PRO Concept Plan.
- 5. Woodland Tree Removals during phase 1 shall be approximately 101 trees, which shall require 197 replacement credits. Developer will plant a minimum of 82.5 credits on site. If mandated, all woodland replacement trees shall be permanently protected via a conservation easement or landscape easement. The remaining 114.5 credits not planted on-site will require a payment of \$400 per credit to the City of Novi Tree Fund. Language governing Phase 2 uses to be included within PRO Agreement terms.





- 6. Proposed parking is being provided as per Parking Study recommendation. Future phase parking requirements will also be a function of shared parking analysis.
- 7. Tentative completion dates have been added to the Project Narrative, and submitted as part of the PRO package.
- 8. WETLANDS: Impacts to the wetland and wetland buffer areas have been indicated and quantified and submitted as part of the PRO package. Specific remedies to be included in the PRO Agreement Conditions.
- 9. Deviations language and formatting has been modified to reflect the City's directive. The updated list has been submitted as part of the Narrative in the PRO package. All accepted deviations are to be included in PRO Agreement Conditions.
- 10. Future Phases beyond Phase 1 will require an optional deviation for Open Space standards to achieve maximum density see Deviation request #9.
- 11. The adjacent non-conforming Light Industrial use owned by Ecco Tool Co is to be addressed in the PRO Agreement conditions. The PRO Agreement Conditions will include the company's access for delivery trucks on the retained parcel; which will require cross access rights. The PRO will provide the Ecco Tool Co retained parcel with 12 parking spaces on the retained parcel or access to parking spaces on the non-retained property or on the Anglin property to make up any shortfall.

## CONSULTANTS

The outside consultants involved with the project are as follows:

Engineering Consultant:

Jim Butler, PEA, 2430 Rochester Court, Troy, MI 48083 248-689-9090, Ext 1133

Architecture Consultants:

Matt Niles, Wah Yee Associates (Commercial) 42400 Grand River Avenue, #200, Novi, MI 48375 248-489-9160

Brian Neeper, Brian Neeper Architecture P.C. (Residential) 630 North Old Woodward, Suite 203 248-259-1784

Landscape Consultant:

Sue Grissim, Grissim Metz Andriese Associates 300 E Cady St, Northville, MI 48167





248-347-7010, Ext 222

Traffic Consultant: Timothy Likens, Bergmann 7050 West Saginaw Hwy, Suite 200, Lansing, MI, 48917 517-827-8693

Wetland Consultant: Don Berninger, Atwell, LLC 311 North Main, Ann Arbor, MI 48104 734-994-4000

Sakura Novi, LLC is pleased to present this concept plan for PRO consideration by the City. We believe the development will ultimately become a point of pride for responsible development at the heart of a robust downtown Novi.

Please let me know if any additional information is required at this time.

Thank you.

Respectfully,





December 4, 2019

Ms. Lindsay Bell City of Novi Planning Department 45175 Ten Mile Road Novi, MI 48375

Re: PRO Site Plan - Signage, TC-1 Signage Deviation authenticity detail Sakura Novi & The Residences at Sakura Novi, Novi, MI

Robert B. Aikens & Associates, LLC and Robertson Brothers Homes is pleased to submit a PRO Rezoning and Site Plan application for properties near Town Center Drive between Grand River Avenue and 11 Mile Road. The development team has been working with City staff to develop for the community an Asian-themed, mixed use development in the heart of downtown Novi on land owned by the City of Novi and land owned by Ecco Tool Co. As part of the Proposed rezoning to a TC-1 district, a deviation from the TC-1 specific signage criteria will be required for this project. This document intends to justify the necessity for that requested deviation for the authenticity, success and vibrancy this project.

The initial deviation will be to use TC signage standards with minor modifications, as opposed to the TC-1 "Main Street" project specific criteria. In addition, the project will require a 100% increase over the TC permitted sign areas such that "Dual-Language" signage can be employed for each tenant. Additionally, as many tenants will employ 2 customer entrances, we will require equal size signage for the primary entrance and for the secondary entrance for each tenant space providing 2 customer entrances. Lastly, exposed luminaires may be sought by tenants as part of their signage, and will be encouraged by the developer, to increase the authenticity of the environment.

The unique signage intended as an integral part of this project's distinctive design will include dual-language signage. This means that each tenant will be allowed and encouraged to provide the signage marketing their business in their respective native language characters or symbols as well as in English. As the business names will be presented in 2 languages, the area allotment for signage will need to be doubled to accommodate the additional line of characters/symbols, using Novi's measurement methodology.





The existing TC-1 Signage Design and Review Manual criteria was adopted in 1998. The TC-1 Signage Design and Review Manual criteria appears to have been developed for 0' setback, historic urban areas with very low vehicular traffic speeds. Grand River Avenue, upon which the Sakura Novi project has its Phase1 primary commercial frontage, has a vehicular speed limit of 50mph. Sakura Novi is being responsive to the existing required arterial design setbacks maintained along Grand River Avenue, further increasing the distance of many buildings from the ROW, unlike the sign format relationships contemplated in the existing TC-1 Signage Design and Review Manual.

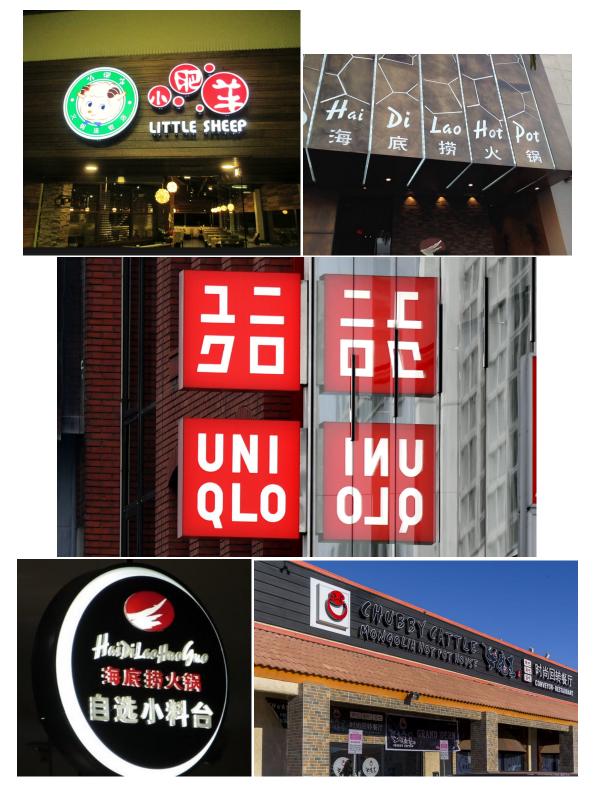
Sakura Novi is proposing/demonstrating that proportional, legible dual language signage elements will be required to occupy 2x that amount of space allotted, typically. See Phase1 Signage Sheets included as part of this submittal.

Sign Types as permitted in the existing TC-1 Signage Design and Review Manual criteria are also far too restrictive to create an authentic and dynamic environment for a campus-style project layout as Sakura Novi is being proposed. See these TC compliant representative tenant signage type images for reference:













Sakura Novi will require the opportunity for sign cabinet and illumination systems currently prohibited in the existing TC-1 Signage Design and Review Manual. Authentic Asian signage – signage that the ex-patriot workforce and first generation immigrant population are accustomed to seeing in the their native communities is very bright, and often overwhelming. This next photo is not the look that we are seeking for Sakura Novi, but should be considered as a point of reference.



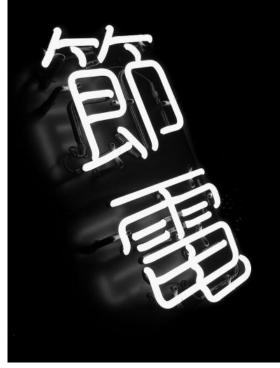
The careful and restrained use of exposed element signage, however, is an element for which we are seeking a deviation in the Sakura Novi signage options package. See the following images for reference:















We intend to incorporate our Project Monument signage ID with the parking lot screening element we are being required to provide in the setback area along Grand River Avenue. We will require deviations for sign construction and illumination of this element from the standards in the existing TC-1 Signage Design and Review Manual.

There will be Project Monument sign(s) for the Residential entrance(s) on 11 mile.

Phase2 project Monument signage will be shown as a part of the Phase2 Amendment plans.

Please consider these items in context of the Sakura Novi project as a whole, as an integral part of the Asian Village Campus development we are proposing. Sakura Novi is a project that will benefit from careful attention to these details.

Please contact us with questions or concerns such that we can have an open dialogue on this most crucial topic going forward.

Thank you.

Respectfully,

G. Scott Aikens, Ph.D.





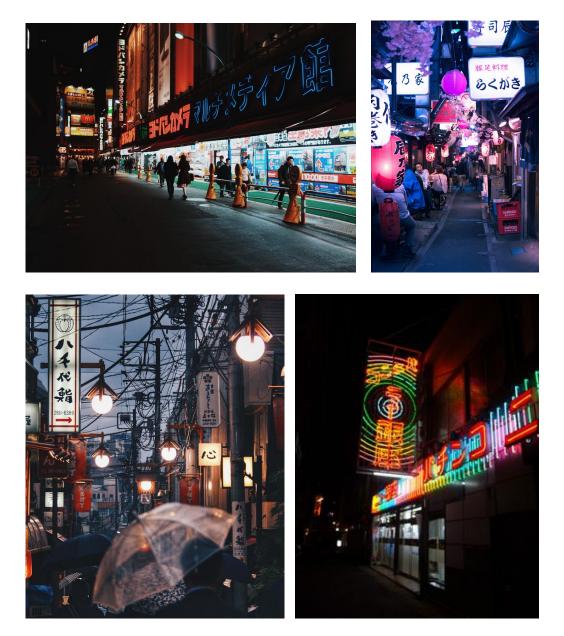
Typical Asian Commercial District Signage examples:







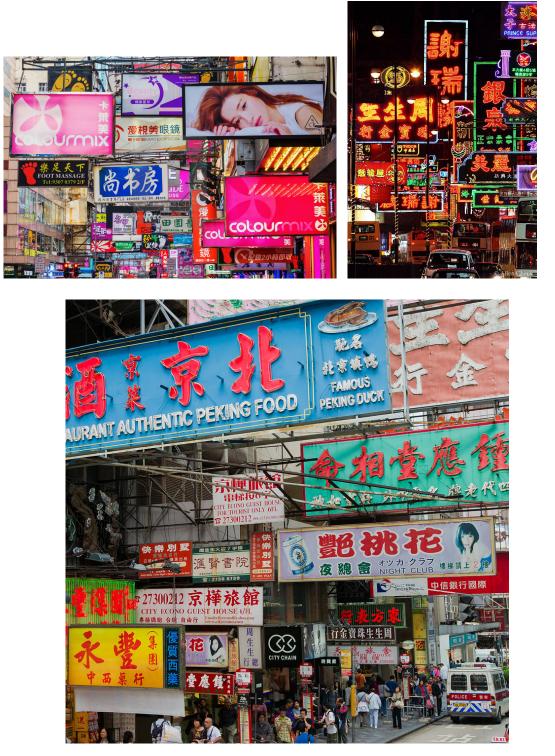
Reduced Density Asian Commercial District Signage examples:







Dual-Language Signage examples:













Desirable Sakura Novi Signage examples:











#### Civil Engineers | Land Surveyors | Landscape Architects

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December 2, 2019

Lindsay Bell Planner City of Novi 45175 Ten Mile Road Novi, MI 48375

#### RE: Plan Review Center Report – Planning Review Sakura Novi PRO Concept Plan JZ19-31

Dear Ms. Bell:

We have received your Plan Review Center Report dated November 9, 2019. We offer the following responses corresponding to your comments, as follows:

#### 2a. Design and Layout Concerns (page 5)

Vehicle Circulation - We have reached out to the acting Fire Marshal regarding the vehicle circulation comments in the Fire Department review letter dated October 11, 2019. We understand that the City is in the process of purchasing a new ladder truck, and these specifications shall be used as a basis for navigating through the development. We will update the plans as necessary to satisfactorily address their concerns.

#### 4. Woodland Review dated 10.21.19 (page 24)

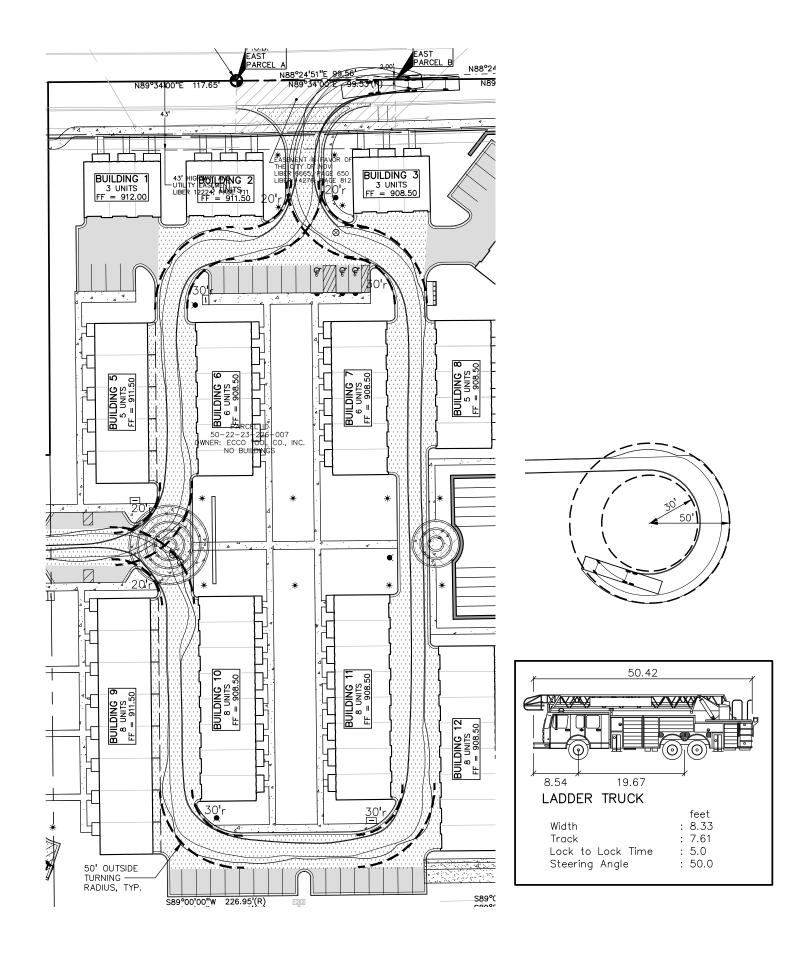
 Woodland replacement calculations have been updated, along with the Tree Protection Plan (T-1.0) and Tree List (T-1.1,) per ECT comments. These updates have been provided directly to ECT as part of ongoing coordination to determine the source of the differential between what was calculated to be required in the plan set versus what was determined to be required by ECT. Further coordination with ECT will take place in order to determine the required replacement quantities, and the plans will be updated accordingly.

We appreciate your review and hope that we have satisfied your concerns. If you should have any questions or require any additional information, please feel free to contact this office.

Sincerely,

PEA, Inc.

Gregory Bono, P.E. Project Coordinator





Ms. Lindsay Bell City of Novi Planning Department 45175 Ten Mile Road Novi, MI 48375

Re: PRO Site Plan Submittal Response Letter Sakura Novi & The Residences at Sakura Novi Novi, MI

Dear Ms. Bell,

We are grateful for your November 4th Plan Review Center Report and all the great guidance that it has provided us. We are very pleased to offer the following responses to each note from the reviewers, given in the order that they appeared in the report. Please note the reviewer comments listed below in black, and then our responses in red.

#### Landscape Deviation List -- Response Section:

#### Landscape Deviations – Commercial

1. Insufficient Greenbelt Landscaping – We offer the following to remove this deviation:

A. Instead of the required berm or brick wall along GRA, a decorative fence with brick piers and dense landscaping is proposed. This fence detail is provided on Sheet P 4.5 and referenced with note 6 on Landscape Plan Sheets L301 and L302.

B. There is 581 LF of frontage along GRA, 261 LF of which is adjacent to parking, and 320 LF of which is non-adjacent to parking. 261/25=10.44 (10 trees), 320/30-10.66 (11 trees). We will provide a total of 21 proposed canopy greenbelt trees along Grand River Avenue.

C. There is 586 LF of frontage along the commercial portion of 11 Mile Road, all of which are non-adjacent to parking. 586/30=19.5. We will provide 20 Deciduous Canopy trees along the commercial stretch of 11 Mile Road, spaced 30' O.C.

D. There is 362 LF of frontage along the residential portion of 11 Mile Road, 60 LF of which are adjacent to parking. Due to the 15' wide setback and presence of overhead utility lines, we propose 15 subcanopy trees within the ROW and the remaining 4 to be provided between the sidewalk and the bldgs. 302/20=15.1 (15 trees), 60/15=4 (4 trees). We will provide 19 subcanopy trees along the residential portion of 11 mile road.



2. Insufficient Interior Parking Lot Landscaping – We offer the following to **minimize this** deviation:

A. The required square footage of interior parking lot landscaping has been provided.

B. The required number of interior parking lot canopy trees will be provided.

C. The required Endcap islands have not been provided. This will remain a deviation.

3. Insufficient Parking Lot Perimeter Trees – We offer the following to **remove this deviation**:

A. The required number of parking lot perimeter trees will be provided across the site. 4. Lack of Screening Wall or Berm For Parking Areas – We offer the following to **remove this deviation**:

A. The Phase 2 Lot in question is no longer proposed as parking, and thus does not require a berm or wall.

B. We shall add vegetation along the north side of the parking spaces within parking area 5, screening them from 11 Mile Road.

5. Lack of Building Foundation Planting – We offer the following to **remove this deviation**:

A. The Building Foundation Planting Calculation Table has been revised for clarity and simplicity

B. Building C meets building foundation requirements, with the exception of the 8' square footage calculation. Due to the project's goal of meeting TC-1 district design intent, as well as the extensive planting and decorative paving areas adjacent to the building, a waiver from this calculation requirement will be sought.

C. Building B foundation planting/decorative paving will be expanded to meet all building foundation requirements, with the exception of the 8' square footage calculation. Due to the project's goal of meeting TC-1 district design intent, as well as the extensive planting decorative paving areas adjacent to Building B, **a waiver from this calculation requirement will be sought.** 

D. A 4' wide bamboo hedge will be proposed along the northern façade of Building A, bringing the total proposed foundation planting/decorative paving into alignment with the required linear footage (75% of building façade). Due to the project's goal of meeting TC-1 district design intent, as well as the extensive planting decorative paving areas adjacent to the building A, **a waiver from the 8' square footage calculation requirement will be sought.** 

E. Sec 5.5.3.D.ii.g: "With respect to projects in the TC and TC-1 districts, the Planning Commission may waive the 8 foot calculation requirements if significant planting and/or decorative paving or amenities are added adjacent to the building.

#### Landscape Deviations – Residential

1. Sound Barriers/Buffers, or Audio Study

A. Residential partner has declined to provide a sound study. Deviation remains.

2. Lack of Interior Drive Perimeter Trees Provided – We offer the following to **remove this** deviation:



- A. The Interior Drive Perimeter Tree Calculation Table has been revised for clarity and simplicity. Residential streets are shown as one lump number, while commercial streets remain broken up by individual street.
- B. There are 28 required Interior Drive Perimeter Trees in the residential section. 30 have been provided all of which are suitable canopy species.

#### Landscape Letter – Response Section:

#### **Ordinance Considerations: Existing Trees**

The grading plan is not consistent with the Tree Protection Plan in terms of trees to be saved/protected.

All discrepancies between the grading plan and tree protection plans will be remedied.

Please correct that inconsistency and show all trees to be removed or saved on both plans, with tree protection fence consistently shown between the plans, and the demolition plan. All discrepancies between tree removals and protection fencing have been remedied.

#### Ordinance Considerations: Adjacent to Residential – Buffer

Buildings 3 and 5 are adjacent to I-1 zoning. The required 10-15' tall landscaped berm is not provided. A tall hedge and deciduous trees are proposed. Please provide a taller buffer that provides significant audible buffering, such as an 8' tall wall instead of the hedge. At the minimum, a noise study indicating that a noise buffering wall is not necessary must be provided. As currently configured, the landscape deviation requested is not supported by staff. Residential partner has declined to provide a sound study. Deviation remains.

Building 9 is adjacent to the commercial section and a loading area for the market where large trucks will travel. The required 6-8' tall landscaped berm between residential and commercial uses is not provided. A 3' tall hedge and deciduous canopy trees are proposed. Please provide a taller buffer that provides significant audible buffering, such as a 6' tall wall instead of the hedge or proof that such audible buffering is not required. As currently proposed, the deviation is not supported by staff.

Both uses described above are permitted within the TC and TC-1 zoning districts. As such, no buffering is required. This deviation has been removed.

The southern parking bay is adjacent to B-3 zoning. The required 6-8' tall landscaped berm is not provided. An evergreen hedge and deciduous trees are proposed as a buffer. The landscape deviation for this frontage is supported if the applicant will agree to manage the hedge at a height of 6 feet above ground level.



The client does agree – a note regarding maintenance of this hedge at a height of 6' will be added to the landscape details sheet L403.

Phase 3 also has residential adjacent to I-1 zoned and developed property to the east but there doesn't appear to be sufficient room for the required berms or alternate screening. This would require a landscape deviation that is not supported by staff.

Phase 3 has been removed from the scope of this project and will be developed as a separate project at a later date.

#### Ordinance Considerations: Adjacent to Public Rights of Way

#### Commercial; Grand River Ave:

The required berm or brick wall are not provided. A decorative fence with brick piers, with dense landscaping, is proposed instead but no detail is provided in the plans. Please provide a detail of the proposed fence and piers in the landscape plans. The deviation for a lack of wall or berm can still be supported as the landscaping appears to provide 80-90% opacity throughout the year.

Detail is provided In Sheet P4.5 and a note (Note 6) referencing this detail will be added to Landscape Sheets L301 and L302.

#### Commercial; Grand River Ave:

Based on the frontage, 24 canopy trees are required but only 18 are proposed. This deviation is not supported by staff.

There is 581 LF of frontage along GRA, 261 LF of which is adjacent to parking, and 320 LF of which is non-adjacent to parking. 261/25=10.44 (10 trees), 320/30-10.66 (11 trees). We will provide a total of 21 proposed canopy greenbelt trees along Grand River Avenue.

#### Commercial; 11 Mile Road:

The required berm or brick wall are not provided between the road and the parking lot in Phase 2. This deviation is not supported by staff.

The Phase 2 Lot in question is no longer proposed as parking, and thus does not require a berm or wall. We shall add vegetation along the north side of the parking spaces within parking area 5, screening them from 11 Mile Road.

#### Commercial; 11 Mile Road:

Based on the frontage, the Phase 2 greenbelt needs to have 21 canopy trees or 31 subcanopy trees. 19 canopy trees are proposed. This deviation is not supported by staff.

There is 586 LF of frontage along the commercial portion of 11MR, all of which are non-adjacent to parking. 586/30=19.5. We will provide 20 Deciduous Canopy trees along the commercial stretch of 11MR, spaced 30' O.C.



Commercial; 11 Mile Road:

Please spread the provided greenbelt trees across the site more and add two more canopy trees in order to remove the landscape deviation.

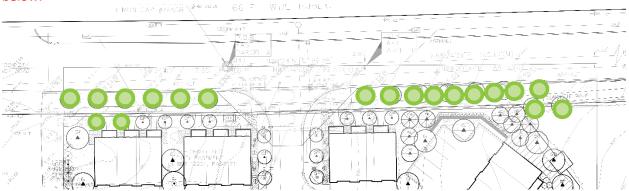
We will provide 20 Deciduous Canopy trees along the commercial stretch of 11MR, spaced 30' O.C. east of the entry drive and 28' O.C. west of the entry drive, as shown below:



Residential; 11 Mile Road

20 subcanopy trees are required. 11 subcanopy trees are provided in the right-of-way. Please provide the remaining required subcanopy trees. The deficiency in plantings is not supported by staff.

There is 362 LF of frontage along the residential portion of 11 Mile Road, 60 LF of which are adjacent to parking. Due to the 15' wide setback and presence of overhead utility lines, we propose 15 subcanopy trees within the ROW and the remaining 4 to be provided between the sidewalk and the bldgs. 302/20=15.1 (15 trees), 60/15=4 (4 trees). We will provide 19 subcanopy trees along the residential portion of 11 mile road. See graphic of approximate layout below:



#### Residential; 11 Mile Road

Please use a more upright variety of crabapple in the right-of-way to provide better vehicle and pedestrian clearance.

We are proposing Malus 'Adirondack' as the variety of crabapple along the residential stretch of 11 Mile Road, which has a regular height of 18' and a spread of 10'. The trees will be spaced approximately 20' apart, except in front of parking areas, where they will be spaced 15' apart to meet ordinance.

#### Ordinance Considerations: Parking Lot Landscaping

Commercial: Based on the vehicular use area calculations provided, a total of 7,026 of interior landscape area and 35 canopy trees are required. A total of 7,032sf of area and 27 trees are



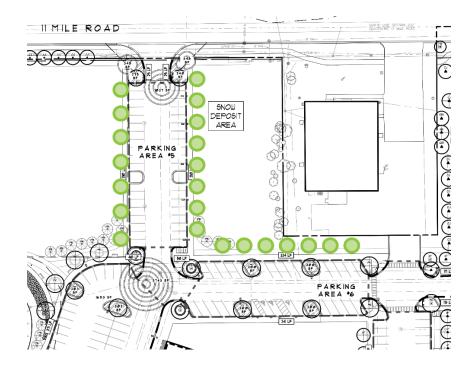
provided, some in islands with less than 200sf per tree. These shortages in interior landscape area and trees require landscape deviations. They are not supported by staff. Please see the landscape chart for a detailed explanation.

We are proposing interior parking lot landscaping that exceeds the required square footage for the project by 7 sf. Landscape islands which have a minimum dimension under 10 lf, or which are under 200 sf and are not directly contiguous with larger landscape areas have not been included in this calculation. All ordinance-conforming islands will also be planted with canopy trees per the city ordinance.

Commercial: Please add the area of the Building B loading area to the calculation. We will add the area in question to the VUA for Parking Area 4 and all calculations will be revised accordingly.

Commercial: Based on the perimeter provided, 81 canopy trees are required but only 59 are provided, some of these are subcanopy trees. This is also a landscape deviation which is not supported by staff as there is room on the site for more to be provided.

We are proposing 22 additional trees along the perimeter of Parking Area 5, as well as along the northern boundary of Parking Area 6 to meet this requirement (see graphic below).



Commercial: Please label all islands counted toward the requirement with their area in SF. All parking islands will have their square footage labeled on Landscape Sheet L203.



Commercial: Please add islands, trees and endcap landscaping where necessary to minimize or eliminate the landscape deviations.

Interior parking islands and canopy trees have been added wherever possible. Endcap landscaping per the city ordinance is included wherever possible, and **any remaining deficit in parking lot endcap landscaping will be addressed in a deviation request.** 

Commercial: Please adjust the Building A loading area parking lot to allow room for the required perimeter trees along the south edge of the pavement.

We are reviewing changes to the layout of this parking area to create space between the edge of pavement and the property line for the required parking perimeter trees.

#### Ordinance Considerations: Building Foundation Landscaping

Based on the calculations provided, the requirement for the foundation landscape area for any of the buildings is not met, so a landscape deviation is required. The deviation is not supported by staff.

We are proposing additional building foundation landscape planting areas supplemented with decorative paving areas and potted plants which meet the requirements stated in the city ordinance.

Please add as much foundation planting area around each building as possible to lower the extent of the deviation.

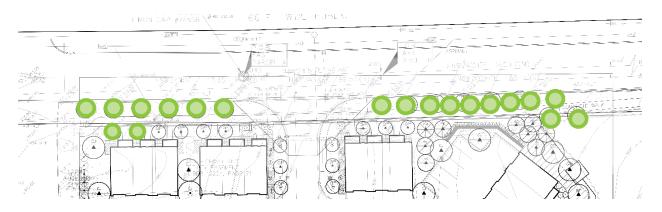
We are proposing additional building foundation landscape planting areas which meet some, but not all, of the requirements stated in the city ordinance. Per Section 5.5.3.D.g, *"With respect to projects within the TC and TC-1 districts, the Planning Commission may waive the 8 foot width calculation requirements if significant additional planting and/or decorative paving or amenities are added adjacent to the building." The applicant will be appealing to the Planning Commission to waive the 8' calculation requirement as described in the ordinance.* 

#### Ordinance Considerations: Multi-Family Residential Landscaping

Unit Landscaping: Unit trees cannot be used to meet the greenbelt requirement along 11 Mile Road. Please reclassify the required number of trees in front of the units facing 11 Mile Road as greenbelt trees to meet the greenbelt requirement and plant the unit trees elsewhere on the site.

Two trees previously designated as Unit Trees will be reclassified into greenbelt trees. No unit trees will be used to meet the greenbelt tree requirements. See graphic below.





Interior Drive Plantings: Based on the calculations provided, 66 interior street trees are required but only 41 are provided. This is a deviation that is not supported by staff. Please plant all required trees.

66 interior street trees are required for the entire project, but only 28 are required for the residential portion of the site. We are proposing 30 total interior drive street trees in the residential portion of the site.

#### Ordinance Considerations: Storm Basin Landscaping

Please make sure that at least 70-75% of both ponds' HWL are planted with large shrubs native to Michigan.

We are proposing to cover 75% of the rim of both ponds with large native shrubs, chosen from the list of approved native species.

#### **Ordinance Considerations: Plant List**

18 of 41 species used (44%) are native to Michigan. Please add or substitute native species on the plan to increase that percentage to at least 50%.

We are proposing to replace 3 species from the building foundation plantings with Native Michigan alternatives, resulting in a revised plant list consisting of 50% native Michigan species.

Please use a native grass/sedge seed mix for the meadow area instead of the Scottish links mixture.

We will provide temporary meadow lawn with native species in the areas described above, as recommended by Rick Meader.

#### Landscape Review Summary Chart; Landscape Plan Requirements – Response Section:

#### **Owner/Developer Contact Information:**

Please Include on Landscape Plans.

Owner/Developer Contact Information will be included in Titleblock on all Landscape Plans

#### Zoning:

Please use current TC-1 zoning landscape requirements in calculations. Those shown for the



greenbelt calculations are not consistent with the current requirements. All ordinance calculations including those regarding all greenbelt areas will be revised per the TC-1 ordinance requirements.

#### Existing Plant Material/Existing Woodlands or Wetlands:

Please be consistent between sheets regarding trees being saved or removed. All inconsistencies regarding trees being saved or removed will be resolved.

Please show all offsite trees within 50' of the edge of disturbance as they could be negatively impacted by construction. All offsite trees within 50' of the edge of disturbance will be shown on all relevant sheets.

Please propose protection for all onsite trees to be saved and nearby offsite trees and their critical root zones.

Protection will be proposed for all onsite trees to be saved and all nearby offsite trees and their critical root zones.

#### Existing and proposed improvements:

Please don't propose woodland replacement trees where they would need to be removed for future phases of development.

All proposed woodland replacement trees will be planted within areas that will remain untouched.

#### Snow deposit:

Please add notes indicating snow deposit areas on the landscape plan that won't hurt proposed landscaping when Phase 2 is developed.

Snow Deposit notes will be expanded to include removal/storage plans for Phase 2 development. No designated snow-storage areas will hurt proposed landscaping in Phase 2.

#### Landscape Review Summary Chart; Landscaping Requirements; Berms – Response Section:

#### Berm requirements:

South property line: As the parking lot abuts the south property line, the proposed hedge is acceptable, but the hedge should be maintained at a height of at least 6 feet above ground level. Please add a note to this effect on Sheet L302.

The note will be added to sheet L302 as requested.

The buffer between Building 9 and the parking lot loading area is not sufficient as proposed. Staff is concerned about the noise from delivery vehicles using that area. The deviation is not supported by staff without assurance that the proposed buffering will provide sufficient noise blockage, not just visual.



# Both uses in the area described above are permitted uses within the TC and TC-1 zoning districts. As such, no buffering is required. This deviation has been removed.

The buffer between Buildings 3 and 5 and the industrial property to the west is visually sufficient. The applicant needs to provide some assurance that the proposed screening will provide sufficient audible buffering from the existing industrial use such as a noise study. Until that is provided, staff does not support this deviation. **Residential partner has declined to provide a sound study. Deviation remains.** 

#### Landscape Review Summary Chart; Landscaping Requirements; Walls – Response Section:

#### Material, height and type of construction footing:

Please clearly show and call out all walls on the landscape plans. We will clearly show and call out all walls on the landscape plans.

Please match the wall shown near Building 4 with the other sheets in the set. This discrepancy will be resolved.

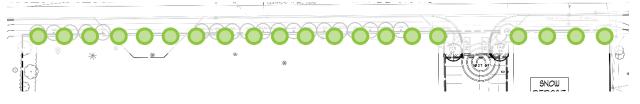
#### Landscape Review Summary Chart; Landscaping Requirements; ROW – Response Section:

#### Min. Berm Crest Width:

Please add a note to the plan stating that the hedge and bamboo shall be maintained at a height at least as tall as 36", and add that requirement to the master deed. The note will be added to the plan as requested.

#### Canopy deciduous or large evergreen trees:

Please move all greenbelt trees to within the greenbelt (behind the property line, not in the right-of- way), except as noted below (subcanopy trees) at the residential section. We are proposing all greenbelt trees to be planted within the greenbelt, behind the property line.

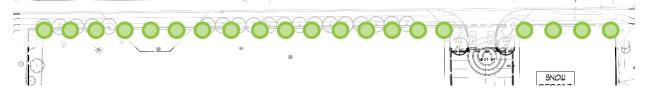


Please plant greenbelt trees along the entire Phase 2 11 Mile road frontage except at the proposed drive as there is no guarantee of the phase's future layout at this time. 10



We are proposing to spread out all 11 mile road frontage greenbelt trees to extend along the entire phase 2 11 mile road frontage.

The mature width of the Freeman maple is 30-40' wide but they are spaced 15' o.c. Please space the Phase 2 greenbelt trees further apart (at least 25' o.c.) All proposed Freeman Maple frontage trees will be spaced at 30' o.c. east of the entry drive, and 28' o.c. west of the entry drive. See Graphic Below:



#### **Cross-Section of Berms:**

Please correct detail numbering. Detail numbering will be fixed.

# Landscape Review Summary Chart; Parking Area Landscape Requirements – Response Section:

#### General requirements:

Add clear vision triangles at the interior intersections north and south of Building B, and at the intersection between Buildings 5 and 9.

All clear vision triangles at interior intersections will be added to Landscape Plans Please move all trees and shrubs taller than 30" out of clear vision zones. We are not proposing any trees or shrubs taller than 30" in clear vision zones.

#### General; Parking Lot Islands:

Please add slots or holes in the circular planting "curbs" to allow pavement runoff to get into planting circles.

We will propose a method for pavement runoff to infiltrate into the planting circles.

#### General; Contiguous Space Limit:

Please add endcap islands with at least 200sf greenspace and canopy trees for all parking bays.

Endcap landscaping per the city ordinance is included wherever possible, and **any remaining deficit in parking lot endcap landscaping will be addressed in a deviation request.** 

#### General: Plantings around Fire Hydrants:

Please be sure to provide at least 10 feet between hydrants, manholes and catch basins and trees, and 5 feet from underground. All appropriate distances to the utility structures described above will be maintained.

#### Landscape Review Summary Chart; Other Screening – Response Section:



#### Transformers/Utility boxes:

Include city standard detail with other landscape details.

City Standard transformer screening detail is included on Landscape Detail Sheet L402. Note 15 on Landscape Detail Sheet L403 indicates that all transformers are to be screened per the city ordinance.

#### Landscape Review Summary Chart; Building Foundation Landscape Requirements – Response Section:

#### Interior site landscaping SF:

Please add the area requirement for each commercial building, not just what is provided, to the table on Sheet L203, so the extent of the deviation can be known. Building Foundation Planting Calculation table will be revised as requested.

Add the total area of decorative paving near each building to the table as the paved area can count toward the requirement. Please break it out from the actual planting area provided.

Building Foundation Planting Calculation table will be revised as requested.

Please provide more landscaping bed area around buildings A and B than is currently proposed. It appears there is more room for planting for both buildings. Only a 4' wide strip is required.

Please enlarge the planting area in the circular planting beds with trees to provide more air and water to the roots.

Additional plantings will be added as requested.

Please add a 4' strip of landscaping (minimum) along the north side of Building A. It doesn't have to be expensive plant material (grasses or bamboo, or other perennials would be fine), but as there is no known date of construction for the building north of Building A, there should be some landscaping there.

A 4' wide bamboo hedge will be added to the north façade of Building A.

Please add foundation landscaping along the east side of Building A (not the loading area).

Additional plantings will be added as feasible.

Please add foundation landscaping along the south side of Building B wherever possible. Additional plantings will be added as feasible.

#### Landscape Review Summary Chart; Landscape Notes – Response Section:

#### Installation date:

Please include planting dates on Landscape Plan. Planting dates are provided in the General Notes on Landscape Plan Sheets L301 and L302



#### Other information:

Please change note 6 to read 3 months instead of 1 year for time of plant replacement. The note in question will be changed as requested.

#### Landscape Review Summary Chart; Plant List – Response Section:

#### **Botanical and Common Names:**

Please use more native species on the site so at least 50% of the species used are native to Michigan.

The plant list will be revised to ensure that at least 50% of the species used are native to Michigan.

#### ECT Woodland Review Letter – Response Section:

**1. ECT** encourages the Applicant to minimize impacts to on-site woodlands to the greatest extent

practicable. Currently, the Plan appears to indicate that 167 of the 275 surveyed trees (60%) are to be

removed.

We have reviewed the discrepancy and are currently verifying the removal and replacement credits with ECT. We will provide the ECT confirmed quantities on the next submittal.

2. The applicant shall review and revise the Plan to ensure that the tree removal and replacement information is consistent and correct on all applicable sheets including the Tree Protection Plan, the Tree List, and the Woodland Replacement Plan. The Woodland Replacement Plan indicates that 70 regulated trees are to be removed requiring 142 Woodland Replacement Credits. However, an assessment of the Tree List (Sheet T-1.1) appears to indicate the removal of 167 trees requiring 286 Woodland Replacement Credits. Our next submittal will include a revised Woodland Replacement Plan and Tree List to make them consistent with each other.

3. It should be noted that the deciduous trees, evergreen trees and shrubs currently proposed all appear to be acceptable species per the City's Woodland Replacement Tree Chart (attached). The applicant shall review and revise the perennials and ground cover (and grasses) list to ensure that all species being proposed for Woodland Replacement Credit are species native to Michigan. The ground cover, perennials, and grasses, aside from prairie dropseed and little bluestem, are not species native to Michigan.

We will replace the Hemlocks noted as woodland tree replacements with an acceptable woodland replacement tree species.



4. A Woodland Permit from the City of Novi would be required for proposed impacts to any trees 8-inch diameter-at-breast-height (DBH) or greater and located within an area designated as City Regulated Woodland, or any tree 36-inches DBH regardless of location on the site. Such trees shall be relocated or replaced by the permit grantee. All deciduous replacement trees shall be two and one-half (2 ½) inches caliper or greater and count at a 1 tree-to-1 Woodland Replacement credit ratio and all coniferous replacement trees shall be six (6) feet in height (minimum) and count at a 1.5 tree-to-1 Woodland Replacement credit ratio. All Woodland Replacement trees shall be species that are listed on the City's Woodland Tree Replacement Chart (attached).

We will update the woodland replacement credits based on the ECT confirmed quantities noted in response 1 above.

5. A Woodland Replacement Performance financial guarantee for the planting of on-site replacement trees will be required. This financial guarantee will be based on the number of on-site woodland replacement trees (credits) being provided at a per tree value of \$400. We will update the Woodland Replacement Performance Financial Guarantee based on the ECT confirmed quantities noted in response 1 above.

6. Based on a successful inspection of the installed on-site Woodland Replacement trees, the Woodland Replacement financial guarantee will be returned to the Applicant. A Woodland Maintenance financial guarantee in the amount of twenty-five percent (25%) of the original Woodland Replacement financial guarantee will then be provided by the applicant. This Woodland Maintenance financial guarantee will be kept for a period of 2-years after the successful inspection of the on-site woodland replacement tree installation. We will update the Woodland Maintenance Financial Guarantee based on the ECT confirmed quantities noted in response 1 above.

7. The Applicant will be required to pay the City of Novi Tree Fund at a value of \$400/credit for any Woodland Replacement Tree Credits that cannot be placed on-site. Currently, all of the required Woodland Replacement Credits are proposed through on-site plantings. However, the applicant shall review and confirm that the woodland removal and required Woodland Replacement information is correct and consistent.

We will update the amount to be paid into the City's Tree Fund based on the ECT confirmed quantities noted in response 1 above.

8. The Applicant shall provide preservation/conservation easements as directed by the City of Novi Community Development Department for any areas of woodland replacement trees to be installed in a currently non-regulated woodland area. The applicant shall demonstrate that the all proposed woodland replacement trees will be guaranteed to be preserved as planted with a conservation easement or landscape easement to be granted to the City. This language shall be submitted to the City Attorney for review. The executed easement must be 14



returned to the City Attorney within 60 days of the issuance of the City of Novi Woodland permit. These easement areas shall be indicated on the Plan.

We shall provide preservation/conservation easements for all areas where Woodland Replacements are planted and provide all documentation as required.



CONSULTING. ENGINEERING. CONSTRUCTION.

Lindsey Bell City of Novi - Planner 45175 W. 10 Mile Rd Novi, MI 48375

#### RE: Sakura Novi Wetland Mitigation Options Atwell Project Number: 18003457

Dear Ms. Bell,

Please see the Applicant's response to each of the items identified within the Wetland Review of the Revised PRO Concept Plan: Planning Review dated November 4, 2019.

4. <u>Original Comment:</u> The current Plan includes but does not specifically indicate/quantify impacts to wetlands and wetland buffers. The applicant shall indicate, quantify and label all proposed impacts to these natural features on subsequent plan submittals. The area (square feet or acres) of wetland impacts shall be indicated on the Plan in addition to the proposed volumes of these impacts. The area (square feet or acres) of all impacts (both permanent and temporary) to the 25-wetland and watercourse setbacks shall be indicated on the Plan. The cubic yards of proposed wetland fill shall also be provided on subsequent site plan submittals.

<u>Follow-up Comment:</u> This comment has been partially addressed. The volume (cubic yards) of all wetland impacts shall be provided on the Plan. In addition, the areas (square feet or acres) of the existing wetlands and 25-foot wetland buffer areas shall be clearly indicated and the areas quantified (square feet or acres) on the Plan (not just in the Wetland Delineation Letter).

The existing wetlands and 25-foot wetland buffer areas will be clearly indicated and the areas will be quantified on the Plan in subsequent submittals. Additionally, the total volume (cubic yards) of fill located within delineated wetlands will be detailed in subsequent submittals.

5. <u>Original Comment:</u> If the applicant is unable to modify the Plan in order to decrease the overall impact to existing wetlands, subsequent site plan submittals shall provide details regarding the proposed wetland mitigation plan. This shall include the location of the proposed wetland mitigation area(s), grading, and planting details. Impacts to emergent wetlands shall be mitigated at a ratio of 1.5-to-1 and impacts to forested wetlands shall be mitigated at a ratio of 2.0-to-1.

<u>Follow-up Comment:</u> The applicant's wetland consultant (Atwell) has provided two (2) wetland mitigation options in a letter dated October 2, 2019 (Sakura Novi Wetland Mitigation Options). Each of these options includes constructing 1.4 acres of the 2.51 acres of required wetland mitigation. A portion (0.9-acre) of the 1.4 acres would be constructed on Parcel (50-22-23-226-021) to the east of the proposed Sakura Way Project. A 0.5-acre mitigation area is proposed to be constructed on Parcel 50-22-23-226-042 currently owned by the City. Option 1 then proposes to provide the remaining 1.2 acres of required mitigation through the preservation of existing wetland on Parcel 50-22-17-101-006 (i.e., Hadley Towing property). It should be noted that the City's Wetland Ordinance does not specifically support the preservation of existing wetland areas for mitigation. In addition, Option 2 proposes to initiate a wetland mitigation fund for the City due to the lack of available space for

#### Page 2

## wetland mitigation within the City limits. ECT recommends that the details of such a wetland mitigation fund be determined

The Applicant is currently working with the City of Novi and ECT to determine potential mitigation options for the Project. The Applicant is attempting to mitigate for all wetland impacts within the City of Novi; however, it may not be practical due to available land within the City. Recent discussions have included pursuing the potential to mitigate outside of the City of Novi. Atwell is currently reviewing other municipality ordinances to provide example language to the City of Novi that allows mitigation outside of the associated municipality.

6. <u>Original Comment:</u> It appears as though a City of Novi *Non-Minor Wetland Use Permit* would be required for the proposed impacts to on-site wetlands. A City of Novi *Authorization to Encroach the 25-Foot Natural Features Setback* would be required for any proposed impacts to on-site 25-foot wetland or watercourse buffers.

#### Follow-up Comment: This comment still applies

The Applicant will apply for a City of Novi Non-Minor Wetland Use Permit and a City of Novi Authorization to Encroach the 25-Foot Natural Features Setback.

Respectfully, **ATWELL, LLC** 

Don Bring

Don Berninger Environmental – Team Leader



То:	Mr. Scott Aikens Robert B Aikens & Associates, LLC	Re:	Sakura Novi – City of Novi, MI Traffic Impact Study Addendum #2
From:	Steven J. Russo, PE Transportation Engineer	Date:	December 6, 2019

This memorandum is intended as an addendum to the original Traffic Impact Study (TIS) dated June, 2019 for the proposed Sakura Novi development in the City of Novi, Oakland County, Michigan. A TIS addendum issued by Bergmann on September 24<sup>th</sup>, 2019 is also referenced herein. The project site is located in the northeast quadrant of the Grand River Avenue & Main Street / Town Center Drive intersection.

This addendum and the associated analyses have been completed in response to a phase two development alternative which would be comprised of 70 multi-family dwelling units, in lieu of proposed commercial space. As a result, the incremental impact to the adjacent road network with this lower density alternative was calculated as detailed below. Additionally, at the request of the applicant, Bergmann completed a right turn lane warrant analysis for phase one at the proposed site driveway to 11 Mile Road in accordance with City standards. The data and methodologies of the original TIS were implemented for the addendum analyses, except as specifically indicated herein.

#### PHASE TWO RESIDENTIAL INCREMENTAL IMPACT

The proposed development plans include two (2) development alternatives for phase two of the project. The first alternative as outlined in the original TIS includes a hotel, spa, and mix of retail, restaurant, residential, and office uses, while the second alternative would be comprised of 70 multi-family dwelling units only. As outlined in the original TIS, the high-density phase two alternative comprised predominantly of commercial uses will result in an approximate 15% increase to traffic volumes along Grand River Avenue.

In order to calculate the incremental impact for the lower density phase two residential alternative, the vehicle trips that would be generated by the proposed development (as summarized in the previous TIS addendum) were assigned to the study road network utilizing the trip distribution model outlined in the original TIS. The results of this analysis indicate that the lower density alternative will result in an approximate 7% increase to traffic volumes along Grand River Avenue in relation to baseline traffic volumes. Therefore, the phase two residential uses would result significantly less increase to Grand River Avenue traffic volumes as compared to the commercial alternative, and negligible increase as compared to the Phase 1 condition.

#### PHASE ONE 11 MILE ROAD DRIVE TURN LANE WARRANT ANALYSIS

The City of Novi warrants for right-turn lanes were evaluated at the proposed phase one site access point to 11 Mile Road. A center lane for left turns exists on 11 Mile Road. As 24-hour volumes were not available along the study section of 11 Mile Road, 24-hour volumes were forecast based on existing PM peak hour volumes from the AECOM traffic study with application of a 10% K-factor. Additionally, daily site-generated traffic volumes from the Sakura Way development were included. The results of this analysis indicate that neither a right turn lane nor taper are warranted under phase one.

TEL: 517.272.9835 www.bergmannpc.com

#### CONCLUSIONS

The following conclusions are based on the information outlined herein:

- 1. The lower density residential phase two alternative will result in an approximate 7% increase to traffic volumes along Grand River Avenue in relation to baseline traffic volumes.
- 2. Neither a right turn lane nor taper are warranted at the proposed site driveway to 11 Mile Road during phase one based on City standards. A center lane for left turns exists.

The referenced traffic data, calculations, and simulation results are attached. Please direct any questions regarding this memorandum to Bergmann.

Attached: Right Turn Lane Warrant



### SAKURA • Ν MICHIGAN

NOVI,

#### OWNER:

Robert B. Aikens & ASSOCIATES, LLC. ම 350 N. Old Woodward Avenue, Suite 300 Birmingham, MI 48009 ph: 248–283–1071

#### ARCHITECTS & PLANNERS:

WAH YEE ASSOCIATES 42400 GRAND RIVER AVENUE, SUITE 200 NOVI, MICHIGAN 48375 PHONE 248.489.9160

#### CIVIL ENGINEERS:

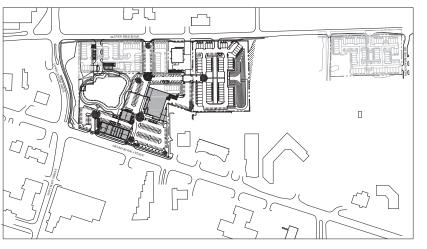


2430 Rochester CL, Ste. 1 Troy, MI 48083-1872 t: 248.689.9090 f: 248.689.1044 www.peainc.con



#### LANDSCAPE ARCHITECTS: GRISSIM METZ ASSOCIATES ANDRIESE Landscape Architecture

311 East Cady St., Suites A & B Northville, MI 48167



VICINITY MAP 

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REVISED PRO SUBMITTAL



Robert B. Aikens 350 N, Old Woodward Avenue, Suite 300 Birmingham, MI 48009 ph: 248–283–1071

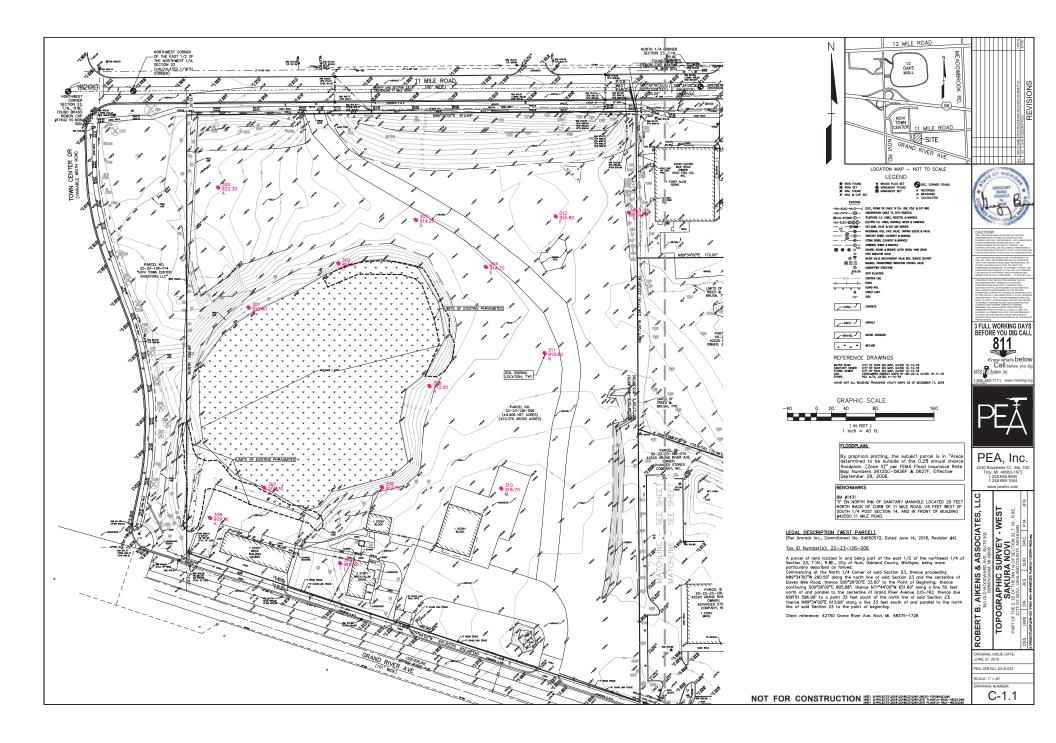
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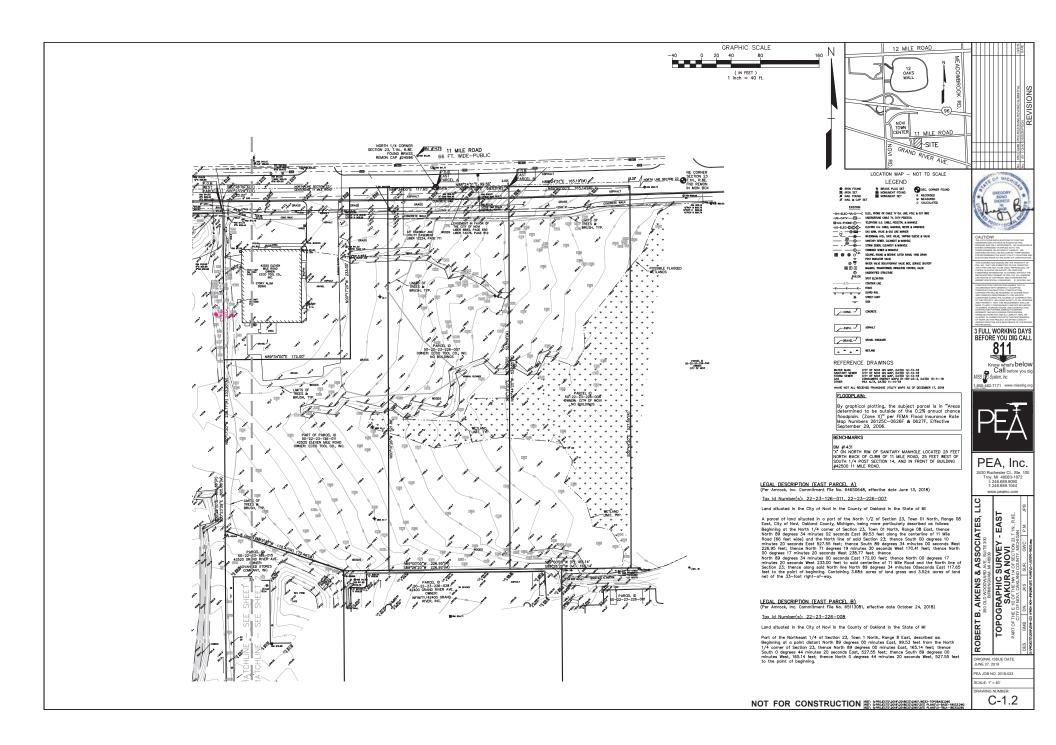


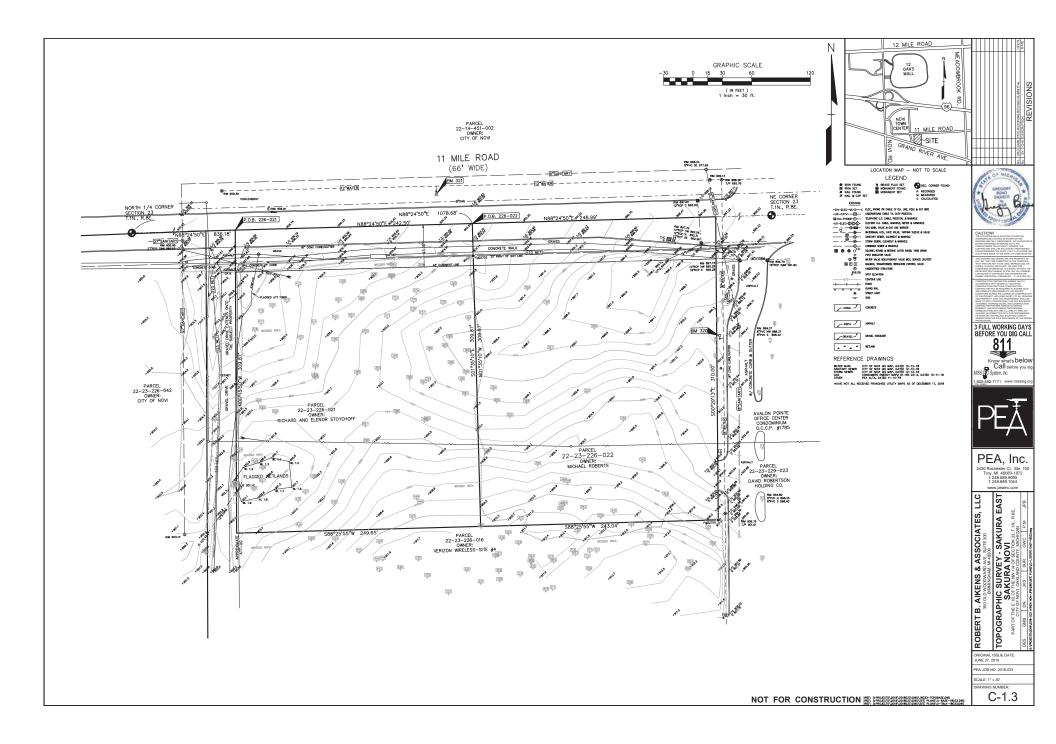
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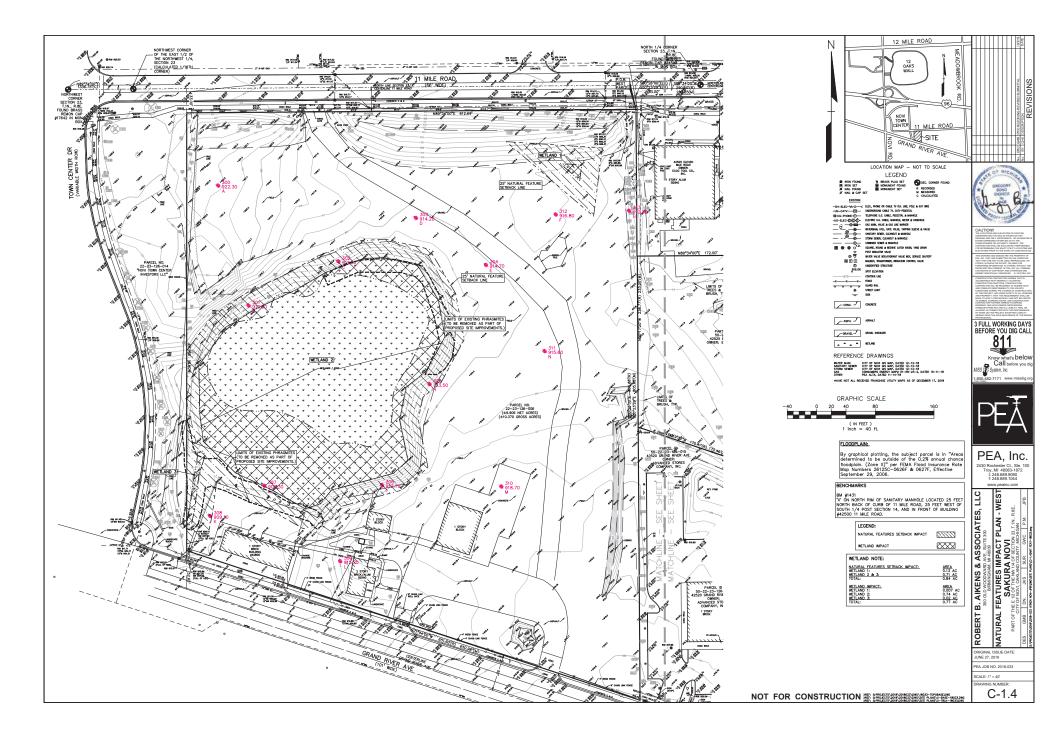
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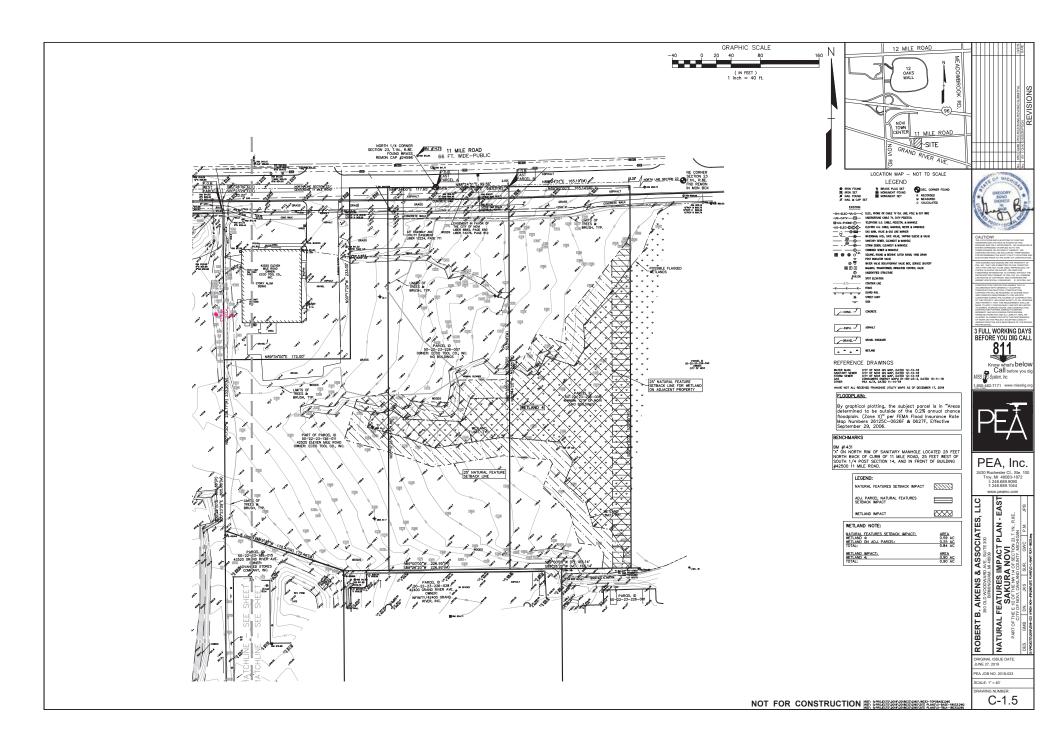
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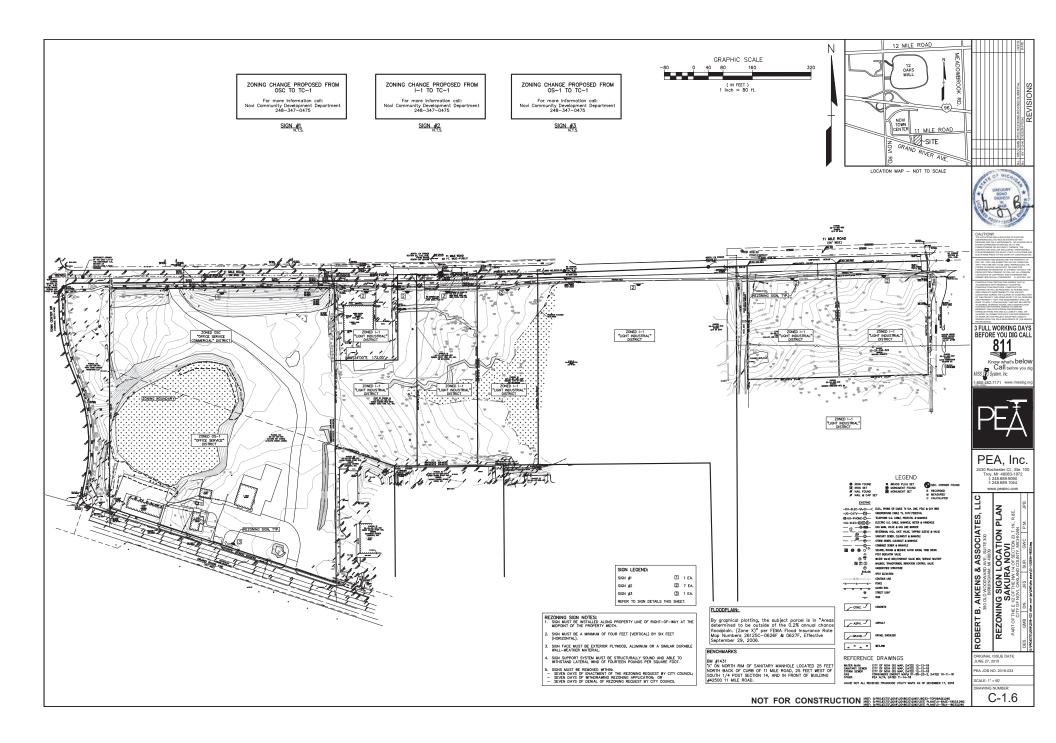


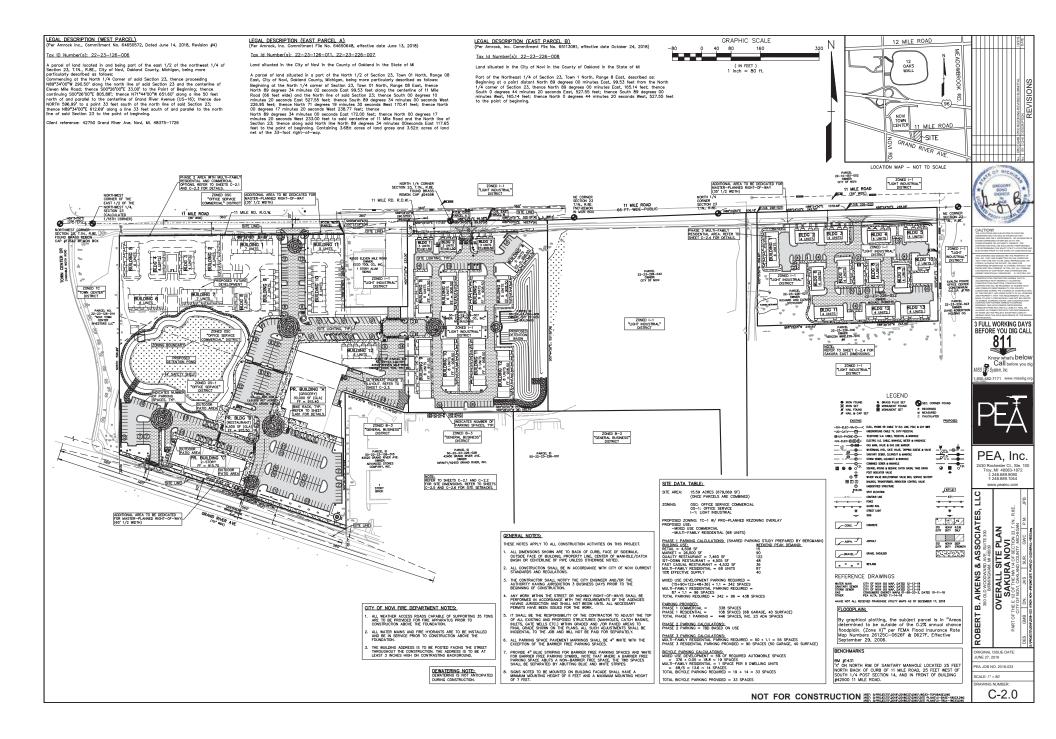


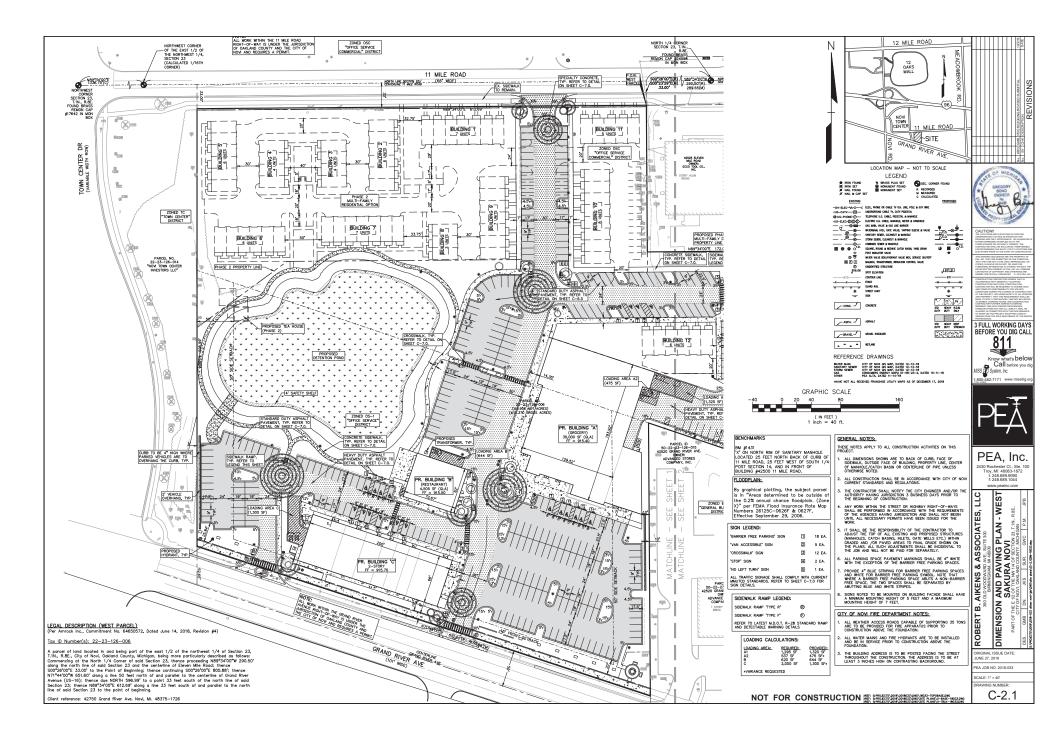


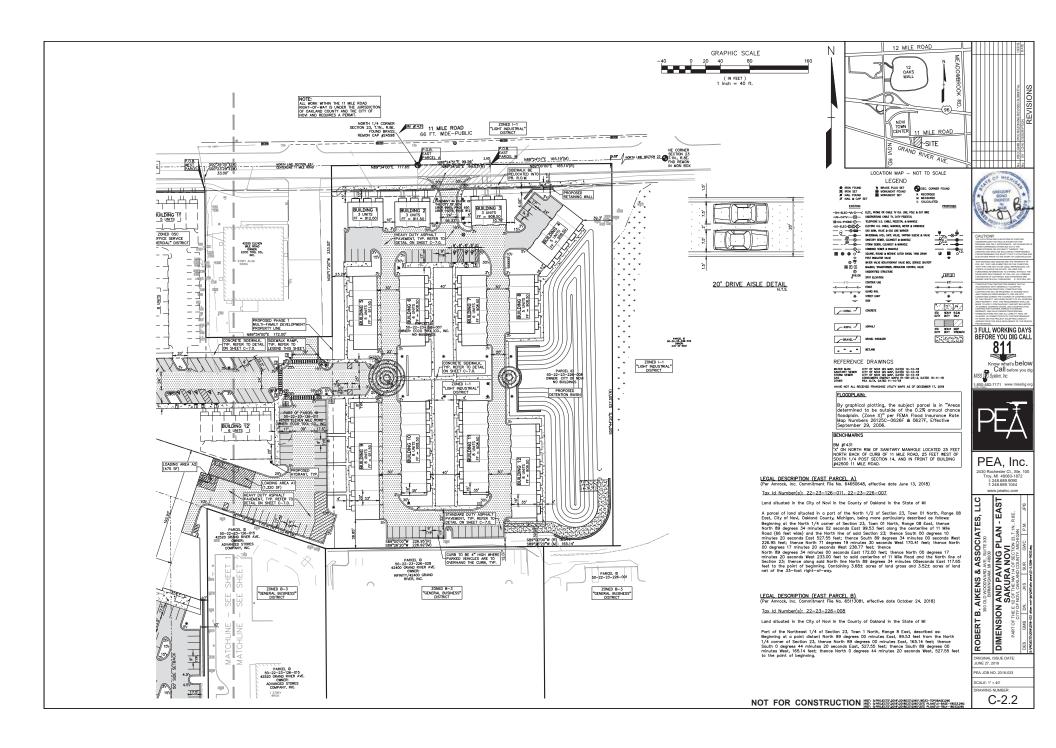


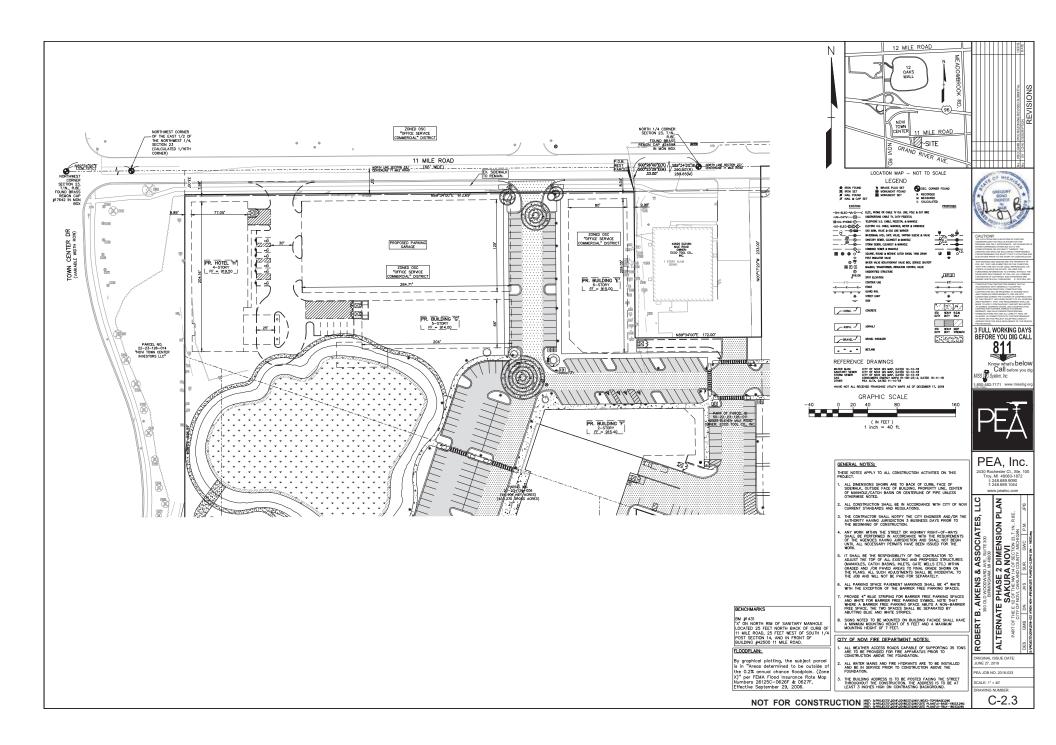


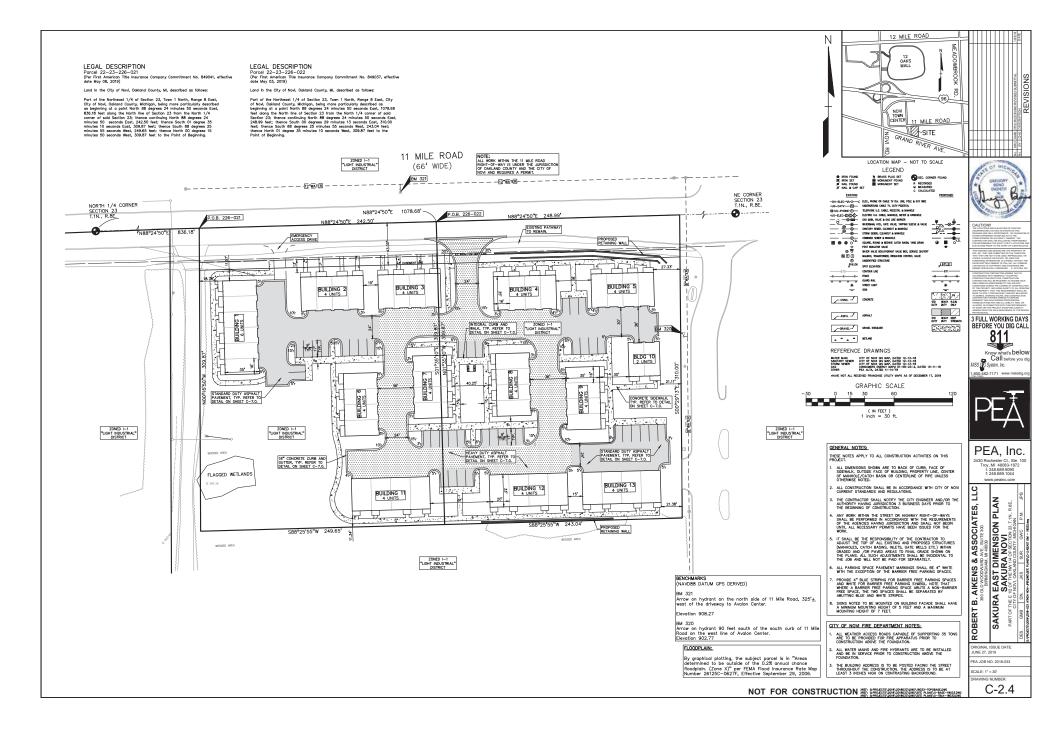


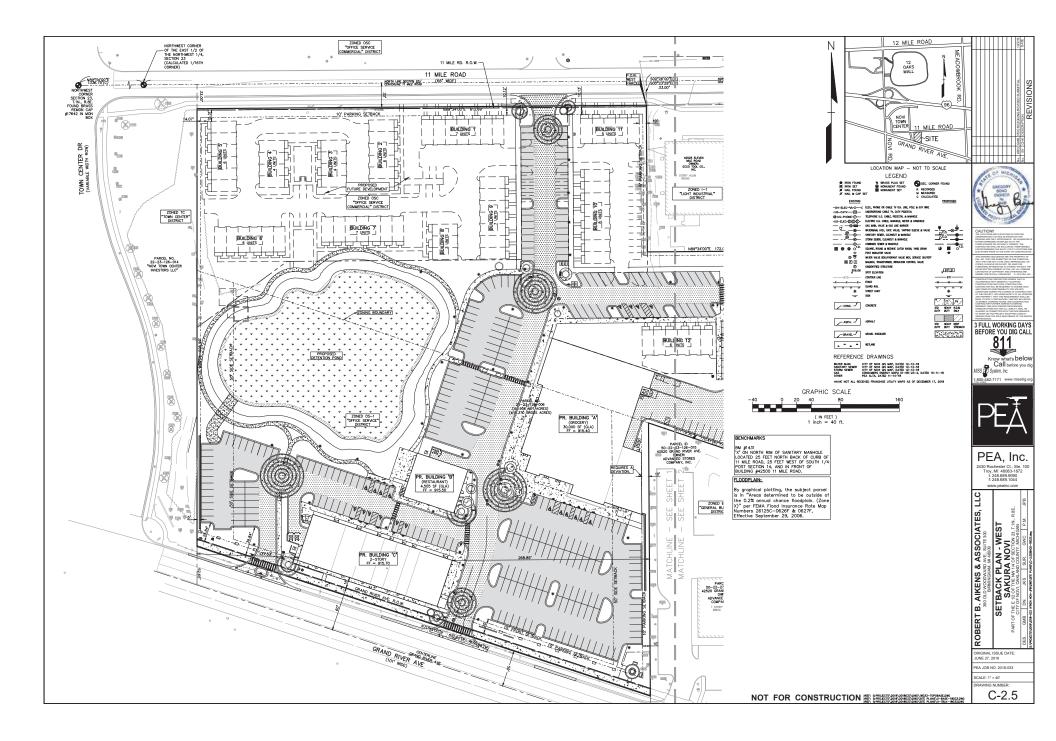


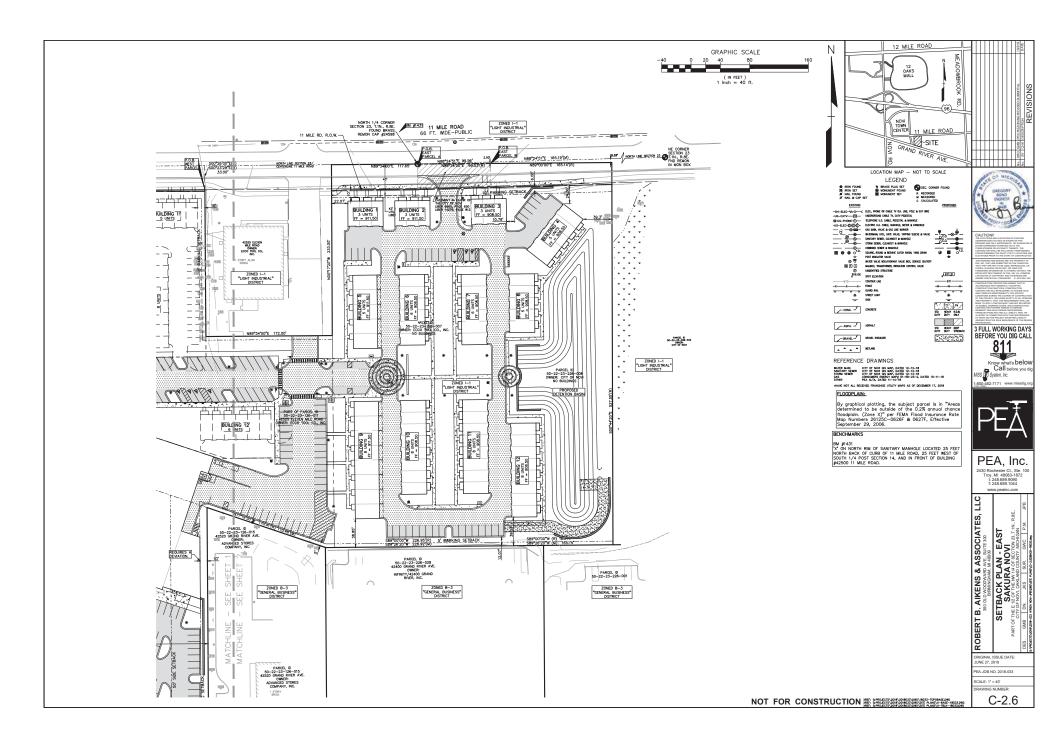


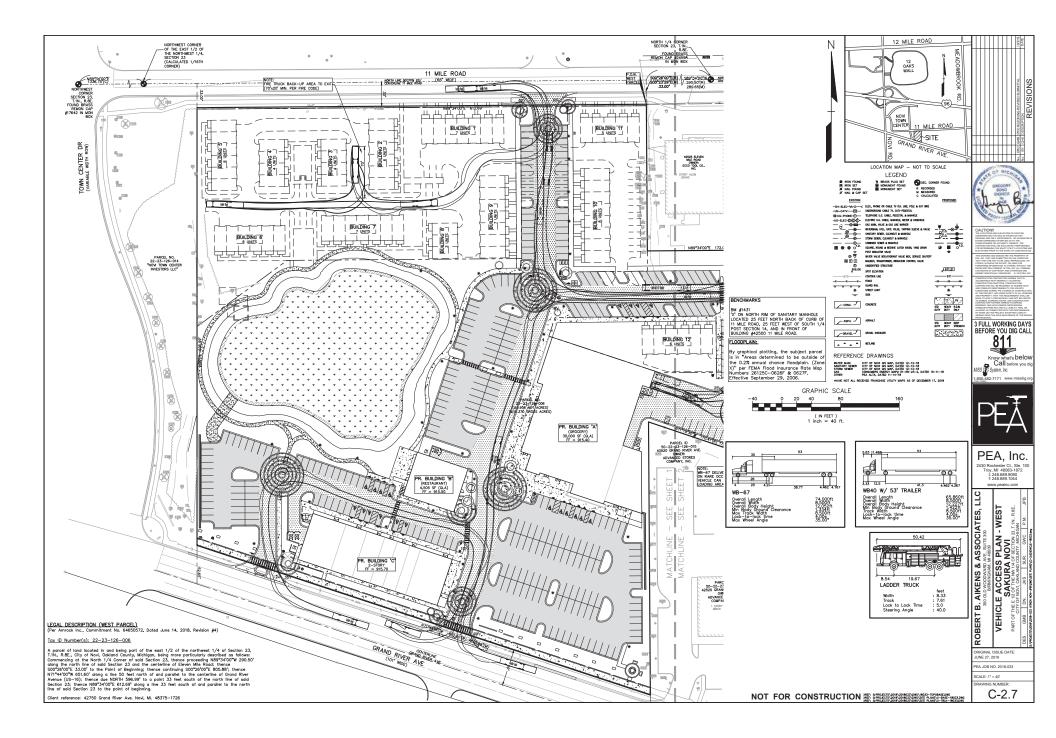


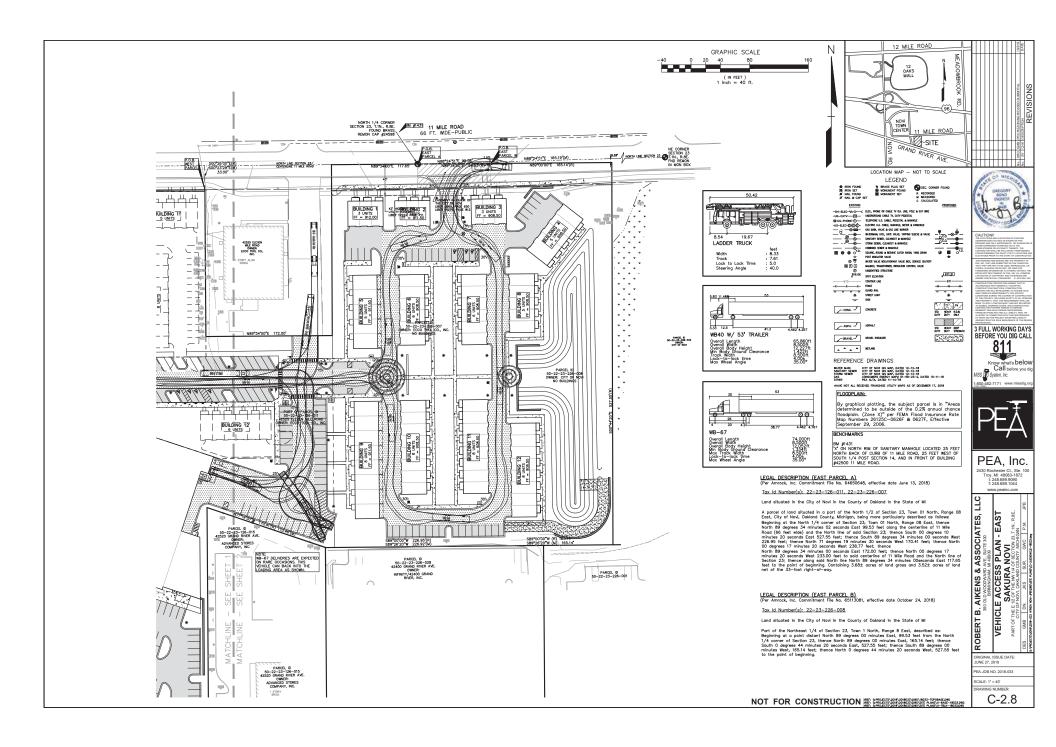


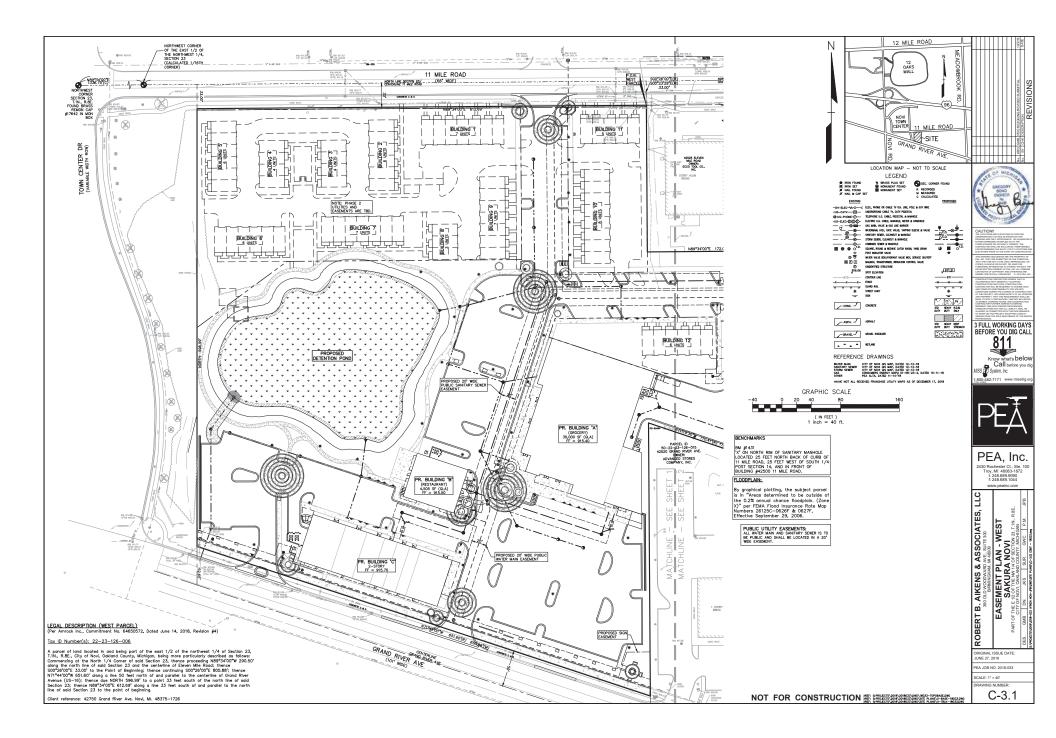


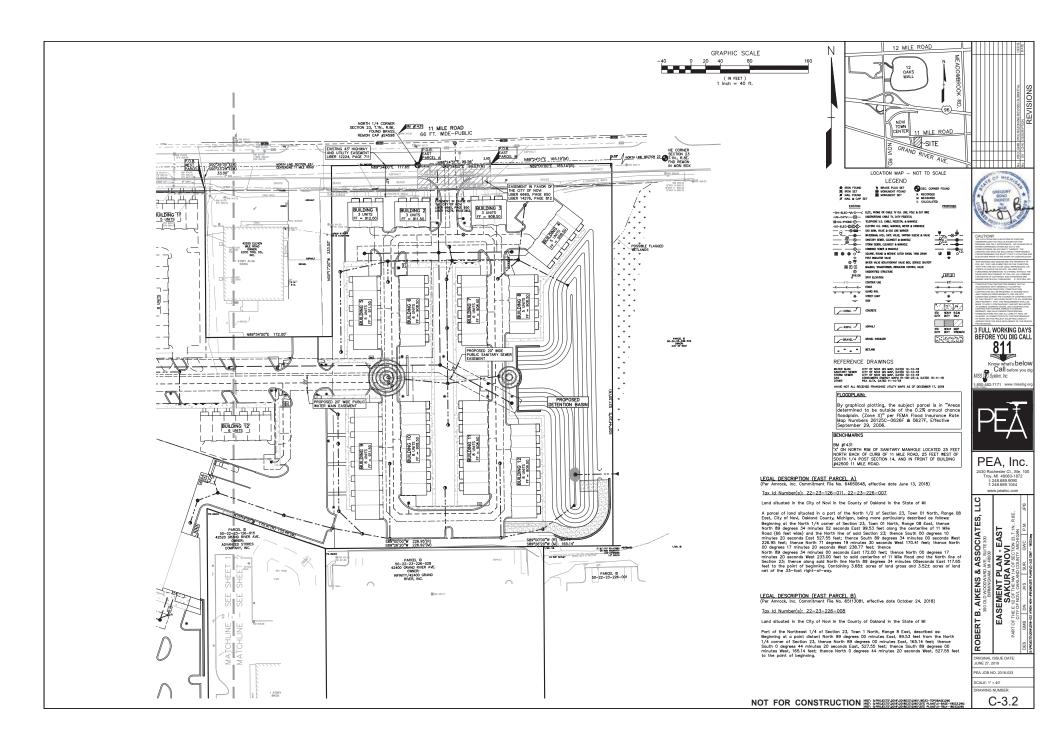


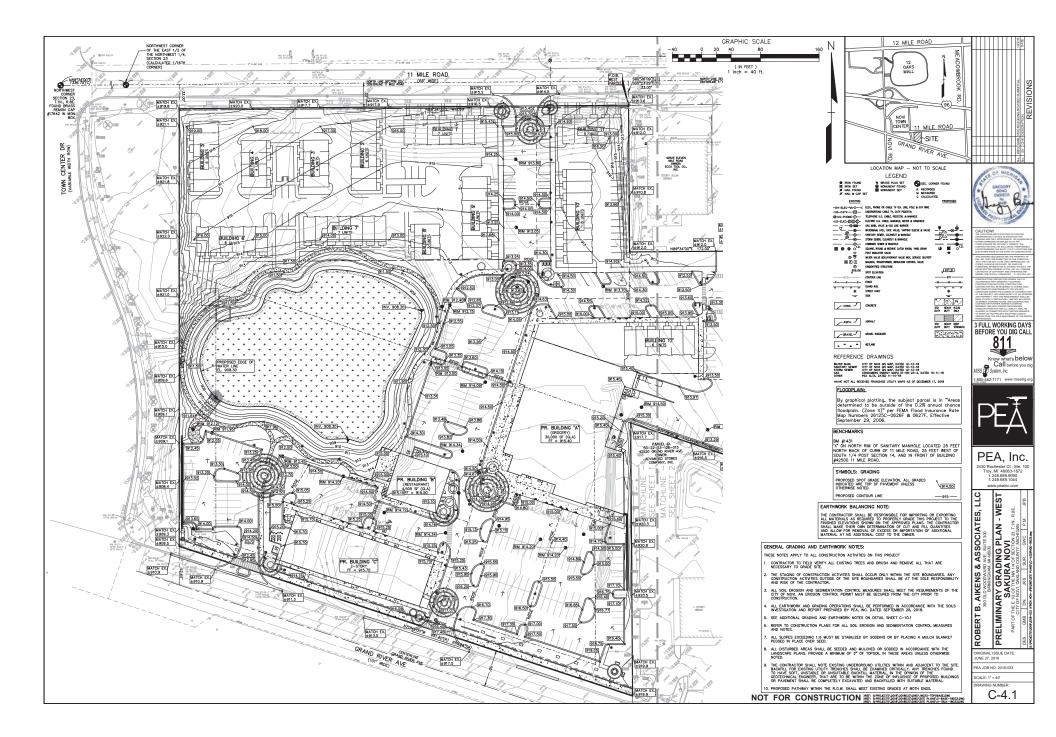


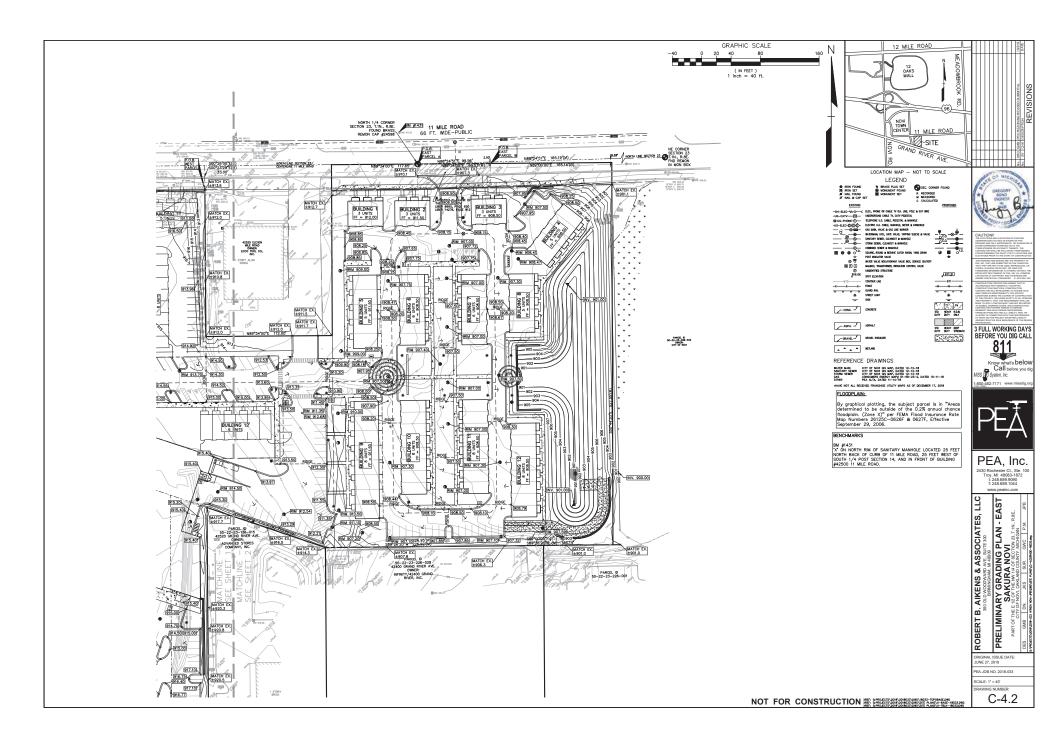


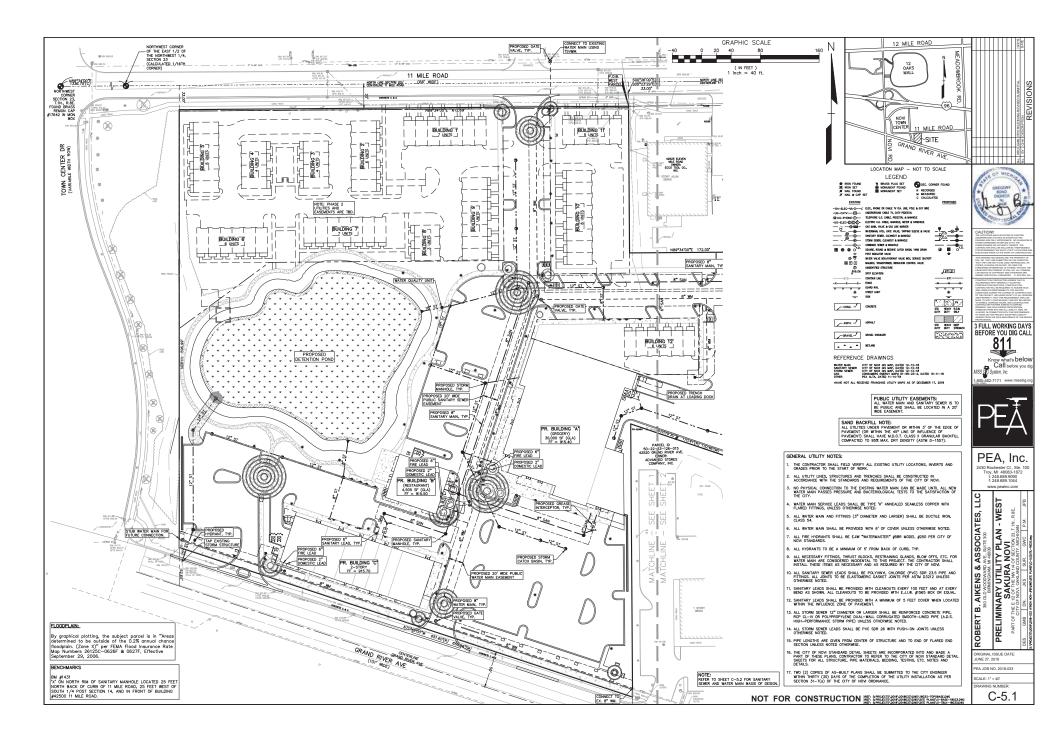


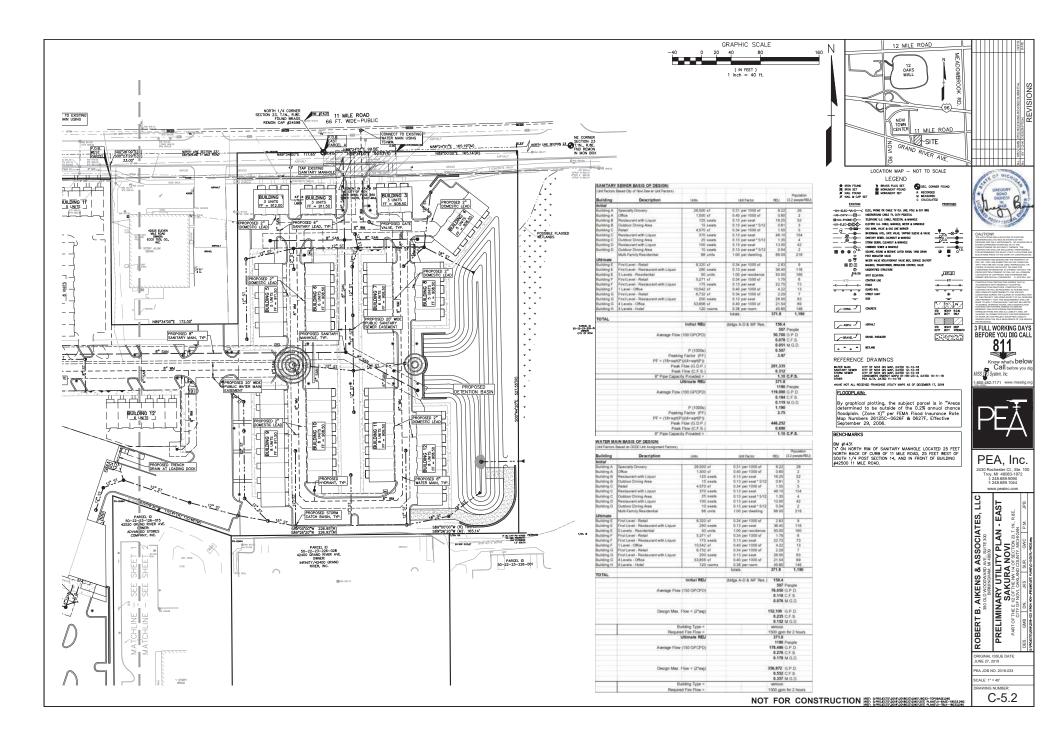


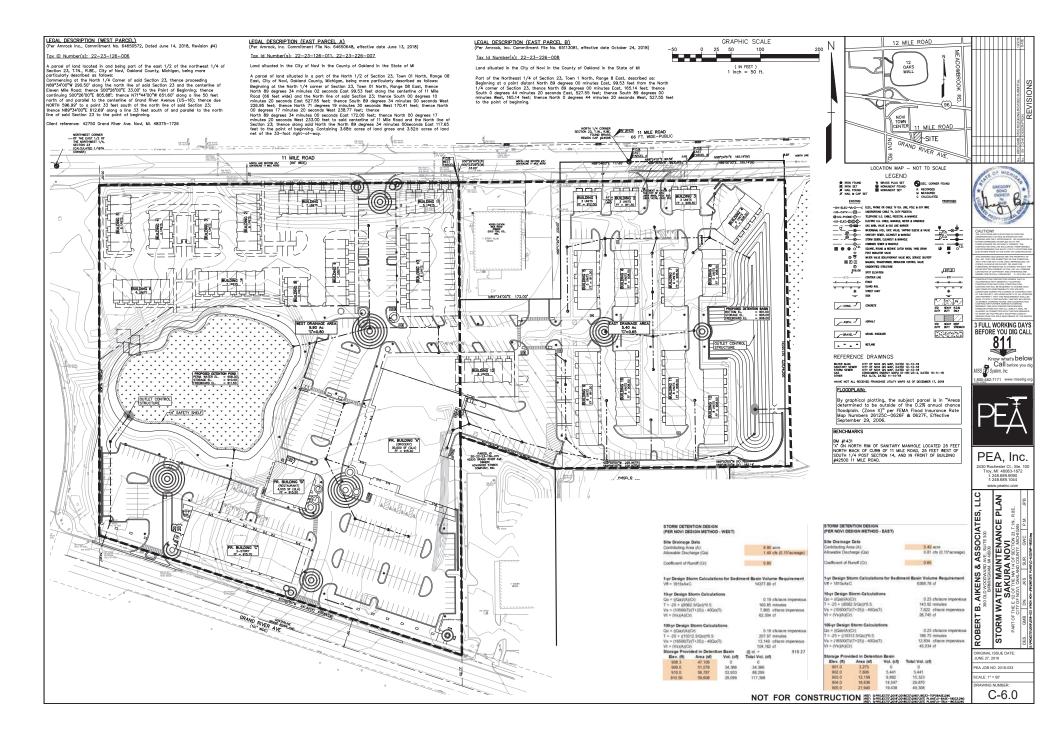


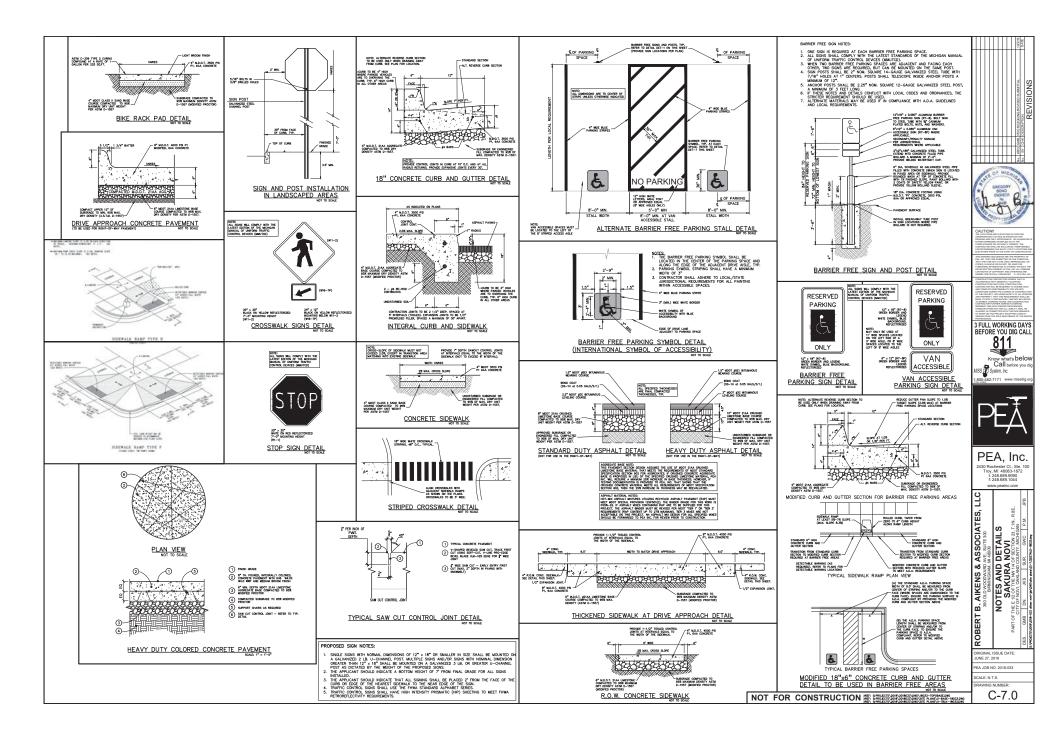


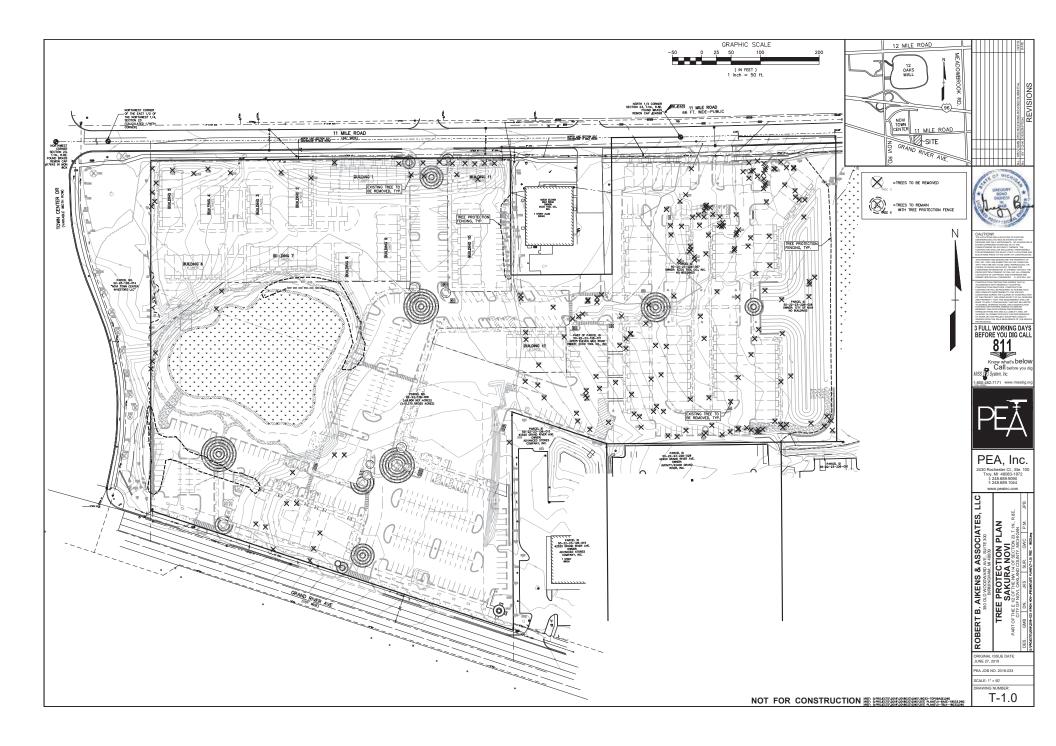












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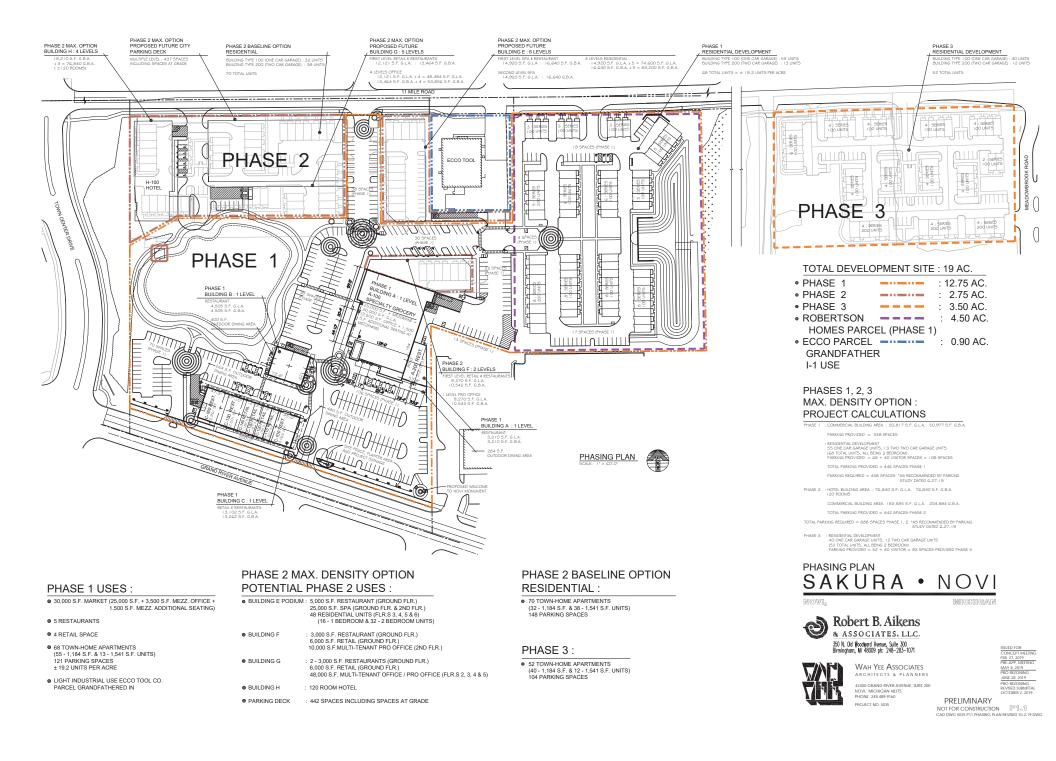
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 REMOVE REMOVE EXEMPT-COND, REMOVE EXEMPT-COND, REMOVE EXEMPT-COND, REMOVE EXEMPT-COND, EXEMPT-COND, REMOVE REMOVE REMOVE 12.9.8 TREE LIST SAKURA NOVI REMOVE EXEMPT-COND. REMOVE EXEMPT-COND. REMOVE REMOVE EXEMPT-SIZE REMOVE EXEMPT-SIZE REMOVE EXEMPT-COND. REMOVE EXEMPT-COND. REMOVE EXEMPT-COND. 3,3 EXEMPT-COND. . 1 Tree 1 Tree 2 Trees 1 Tree 5,5,3,2 7,2,3 EXEMPT-SIZE EXEMPT-SIZE ORIGINAL ISSUE DATE: JUNE 27, 2019 EA JOB NO. 2018-033 CALE: N.T.S. T-1.1 NOT FOR CONSTRUCTION NET SPROLECTS/2018/2018033/DWC/18033-TOPOBASE\_DWC







MOTE I I. TOTAL PACADE = 5,456 S.F. - GLASS STOREPRONT AND DOOR AREA OF 1,354 S.F. = 4,102 S.F. 2. NO SECTION 9 PACADE WAIVERS ARE REQUIRED.

TANK WAH YEE ASSOCIATES ARCHITECTS & PLANNERS 42400 GRAND RIVER AVENUE, SUITE 200 NOVI, MICHIGAN 48375 PHONE 248,489,9160

PROJECT NO. 5035

CONCEPT MEETING FEB. 27, 2019 PRE APP, MIETING MAY 8, 2019 PRO REZONING JUNE 28, 2019 PRO REZONING REVISIO SUBALITA SEPTEMBER 30, 27 PRELIMINARY NOT FOR CONSTRUCTION PA.A

KEY PLAN

NOV

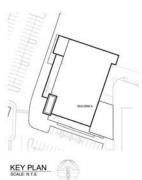
MICHIGAN

0

CAD DWG 5035 COLOR PA4 9-30-19 DWG















LICTE 1 I TOTAL FACADE = 1.647 S.P. GLASS STOREPRONT AND DOOR APEA OF 335 S.F. = 1.312 S.F. 2. A SECTION S PACADE WAILE WILL BE REQUESTED AS REQUIRED TOR REPRIVATED VETAL FAVILE OVERAGE OF 25.1 % MID BRICK SHOPPING OF 3.3 %

EIFS CORNICE -





KEY PLAN









WAH YEE ASSOCIATES 42400 GRAND RIVER AVENUE, SUITE 200 NOVI, MICHIGAN 48375 PHONE 245.489.9160

PRE-APP. MEETING MAY 8, 2019 PRO REPONNES JUNE 28, 2019 PRELIMINARY PRO REZONING

NOT FOR CONSTRUCTION

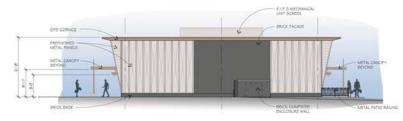
PAS

CAD DWG 5035 COLOR P43 9-30-19.DWG



MATERIAL	ALLOWABLE	PR0P0560	PERCENTAGE
CAST STONE	25.%	0.5.7	0.0%
BRICK.	30 % M01.	344.57	34.5%
015	25 %	190 5.5	125%
METAL CANOPIES 4 SUNSCREENS	15%	50 5 F.	3.2 %
PREMIUSHED METAL PANELS (FLAT)	25%	764 5.5.	49.7 %
TOTAL		1.576 5.7.	100.0%

NDTE I I TOTAL FACADE + 1.774 5 F. - GLASS STOREFRONT AND DODR AREA OF 195 5 F. + 1.576 5 F. 2. A SECTION 3 FACADE WAVER WILL BE REDUESTED AS REDURED POR FREMINGING METAL YINGL OVERAGE OF 24.7%.

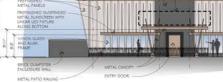


NORTH ELEVATION 4 SOLE MARY 1007 (P4.3)

MATERIAL	ALLÓWABLE	PROPOSED	PERCENTAGE
CAST STORE	23.%	0.5.7,	0.05
BRICK.	30 % MPL	621.5.7.	35.1 %
DFD	25.%	195 5.1	11.25
METAL CANOPIES + SUNSCREENS	15.%	0.5,6,	0.0%
PRETRICHED NETAL PARELS (PLAT)	25.%	250.9.7.	53.7.5
TOTAL		1.769 5.F.	100.0%

NDTE I I. TOTAL FACADE = 1.769 S.F. - GLASS STOREREDHT AND DOOR AREA OF D.S.F. = 1.769 S.F. 2. A SECTION 9 FACADE WAIVER WILL BE REQUESTED AS REQUIRED FOR HEIMISHED WETAL WALL OVERAGE OF 26.7 %.

surprise of the advent seatteness.



BRICK FACADE -

ON

TENANT BIONAGE ARZA

(3) P4.3

E) 7.5 MED

25 %	0.5.5	20.0
50 % MN	41057.	30.0%
25 %	2105.5	15.1 %
15.%	05 57.	6.1%
25 %	600 5.7.	48.85
	1.393 5.F.	100.0%
	50 % MIN. 25 % 15 %	30 % MN. 41057. 25% 21057. 15% 0507.

 I. TOTAL FACADE + I. (GA 5.F. - GLASS STOREPRONT AND DOOR AREA OF 271 (5.F. = 1.333 5.F.
 A SECTION 9 FACADE WAVER WILL BE REQUESTED AS REQUIRED FOR PERFINISHED METAL FAMILE OFFICE OF 23.6 %. NOTE - I

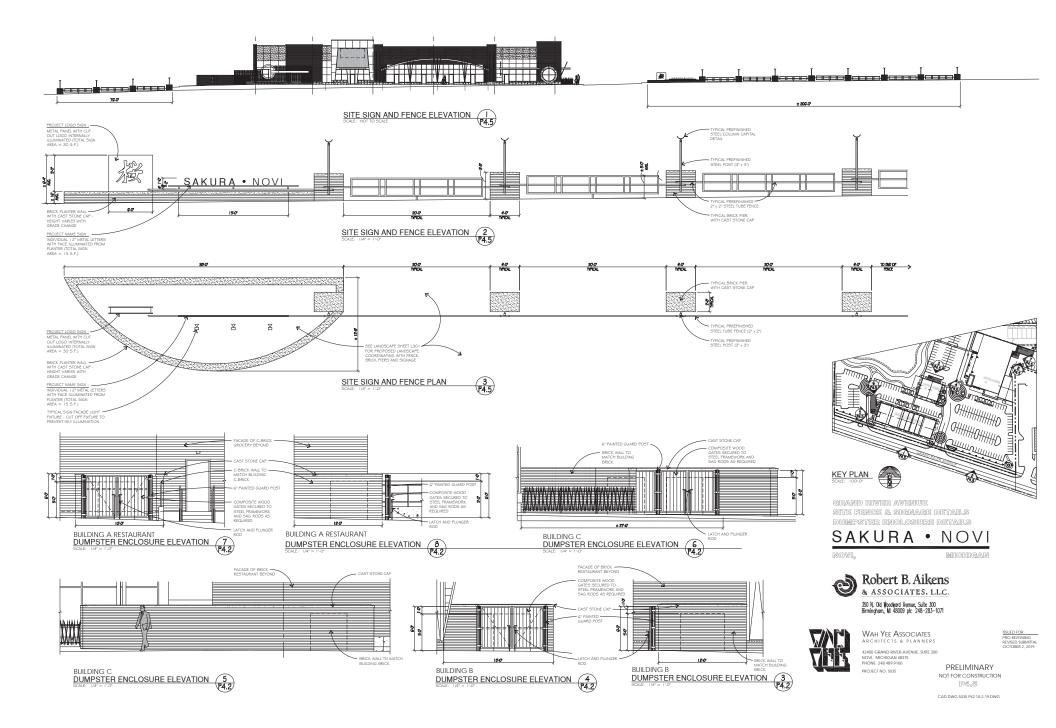
	25 %	0.5.5	0.0%
	50 % MN	41057.	30.0 %
	25 %	2105.F.	15.1.5
	15.%	05 57.	6.175
ŋ.	25 %	600 S.F.	48.85



1	IETAL CANOPY	- 4	1
	SITRY DODR -		WEST ELEVATIO
ALLOWABL	z incrosed	PERCENTAGE	50ALD 3/31" = 110"

EVEX DUMPSTER	
METAL PATIO RAUNG	
WEST ELEVATION MATERIALS	WE
MATERIAL ALLOWABLE PROPOSED PERCENTAGE	SCALE
CAST STONE 25% 0.5.F 0.0%	

I'M MATERALS			
	ALLOWABLE	receptor	PERCENTAGE
	25 %	0.5.5	200
	50 % MN	41055.	30.0%
E & FACADE	25 %	2105.	15.1.5
FIES & SUNSCREDUS	15.%	05 57.	6.1%







BRIAN NEEPER ARCHITECTURE P.C. DESIGN - PLANNING - INTERIORS BLOOMFELDHULS MOREAN BRIANNEEPER.COM 2 4 8. 2 5 9. 1 7 8 4













MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	431 SP	53%
SIDING	0%	490 SF	41%
SHINGLES	25%	OSF	0%
TRIM	15%	48 SP	4%
TOTAL		U89 5F	100%

ALLOWABLE PROPOSED PERCENTAGE

124 SF

531 SF 4/%

344 SF 25.5%

308 SF 23.5% 10%

1315 SF 100%

REAR ELEVATION

100%

0%

25%

15%

MATERIAL

SHINGLES

BRICK

SIDING

TRIM

TOTAL



#### LEFT SIDE ELEVATION SCALE: 1/8" + 1"-0"

#### **RIGHT SIDE ELEVATION** SCALE: 1/8" = 1-0"



# FRONT ELEVATION

MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	514 SF	39%
SIDING	0%	310 SF	23%
SHINGLES	25%	214 SF	14.55
TRIM	15%	284 SF	22%
TOTAL		1.324 SF	100%

# REAR ELEVATION

MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	843 SF	40%
SIDING	0%	594 SF	21%
SHINGLES	25%	512 SF	23%
TRIM	15%	213 SF	10%
TOTAL		2384 SF	100%

			ASPHALT SHINGLES	R <sup>ober</sup> Hon
			Martina.	HOM
Ш			HORE VINTS BONG	
<b>T</b>			BRCK	
			BRCK	

SCALE: 1/8" = 1'-0"

REAR ELEVATION **5 UNIT BUILDING** 

#### AUR COTING ON AUR COTING ON AUR COTING ON AUR COTING ON AUR B E 14 ----101 Nº PRTAL RALING COL (TTP)

## LEFT SIDE ELEVATION SCALE: 1/8" = 1"-0"

## **RIGHT SIDE ELEVATION** SCALE: 1/8" = 1'-0"

Β

. 8

NEEP RIAN

5 UNIT BUILDING ELEVATIONS

ROBERTSON HOMES SAKIRA NOVI TOWNHOME UNITS - "IOO SERIES" NOVI, MICHIGAN

9-27-19

SILCH P.C

**R-2** 

19011

BN/JF



15 Ston BASS

FRONT ELEVATION

LEFT/ RIGHT ELEVATION

100%

0%

25%

15%

ALLOWABLE PROPOSED PERCENTAGE 431 SF 53%

O SF

48 SF

490 SF 41%

1,189 SF 100%

0%

4%

MATERIAL

SHINGLES

BRICK

SIDING

TRIM

TOTAL

PATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	850 SF	39%
SIDING	0%	513 SF	23%
SHINGLES	25%	374 SF	1755
TRIM	15%	462 SF	205
TOTAL		2.201 SF	100%

## REAR ELEVATION

MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	1,042 SF	406
SIDING	0%	489 SP	24%
SHINGLES	25%	414 SF	23%
TRIM	15%	252 SF	10%
TOTAL		2.417 SF	100%

			ASPHALT SHINGLES
H	E		HUR DRAFT
			BRCK

# REAR ELEVATION 6 UNIT BUILDING

MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	431 SF	53%
SIDING	0%	490 SF	41%
SHINGLES	25%	O SP	0%
TRIM	15%	48 SF	4%
TOTAL	1	U89 5F	100%

ALLOWABLE PROPOSED PERCENTAGE

422 SF

449 SF

551 SF

1,018 SF 38.5%

2,440 SF 100%

23.5%

175

206

FRONT ELEVATION

100%

0%

25%

15%

MATERIAL

SHINGLES

BRICK

SIDING

TRIM

TOTAL



LEFT SIDE ELEVATION

RIGHT SIDE ELEVATION

SCALE: 1/8" + 1'-0"





BRIAN NEEPER ARCHITECTUR DESIGN - PLANNING - INTER BLOOMPELD MALA MCHOAN BRUNNEEPERCOM 248, 259, 1784

6 UNIT BUILDING ELEVATIONS

RUNDERTSON HOMES ROBERTSON HOMES SAURA NOVI TOUNHORE UNTS - 100 SERIES' NOVI, MICHIGAN





#### REAR ELEVATION

MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	1.314 SF	38%
SIDING	0%	1,005 SF	29%
SHINGLES	25%	819 SF	23%
TRIH	15%	344 SF	10%
TOTAL		3.484 SF	100%



MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	431 SF	53%
SIDING	0%	490 SF	41%
SHINGLES	25%	O SF	0%
TRIM	15%	48 SF	4%
TOTAL		U89 SF	100%

ET AUER BAAP Auer comes on Set un ten to board Auer search		
KORZ VAYL BONG     KORZ VAYL BONG     KORZ VAYL BONG	B	B
BRCK ROLLOCK		
BRCK 34' METAL RALING		
640 ROXED		

LEFT SIDE ELEVATION

RIGHT SIDE ELEVATION

8 UNIT BUILDING

ROBERTSON HOMES SAKURA NOVI TOWNHOME UNITS - "IOO SERIES" NOVI, MICHIGAN

9-27-19

19011

BN/JF

R-4



MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	1,354 SF	38%
SIDING	0%	81 SF	23%
SHINGLES	25%	428 SF	18%
TRIM	15%	124 SF	21%
TOTAL		3.517 SF	100%

	R	E	A	R	E	E	VA	TIO	N
--	---	---	---	---	---	---	----	-----	---

MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	342 SF	14%
SIDING	0%	1,040 SF	47%
SHINGLES	25%	466 SP	20%
TRIM	15%	393 SF	17%
TOTAL		2,31 5#	100%



**REAR ELEVATION 5 UNIT BUILDING** 



49 SF

1,040 SF 100%

5%

15%

TRIM

TOTAL

	Notice in the second se	ALUM. URAP
HORE VIN BONG-		VERT. VINTL BOIN
PLALING BRCX BLL BRCX		

LEFT SIDE ELEVATION SCALE: 1/8" + 1'-0" **RIGHT SIDE ELEVATION** SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1"-0"

E C

NEEPER BRIAN

5 UNIT BUILDING ELEVATIONS

ROBERTSON HOMES SAKIRA NOVI TOWNHOME UNITS - "200 SERIES" NOVI, MICHIGAN

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9-27-19

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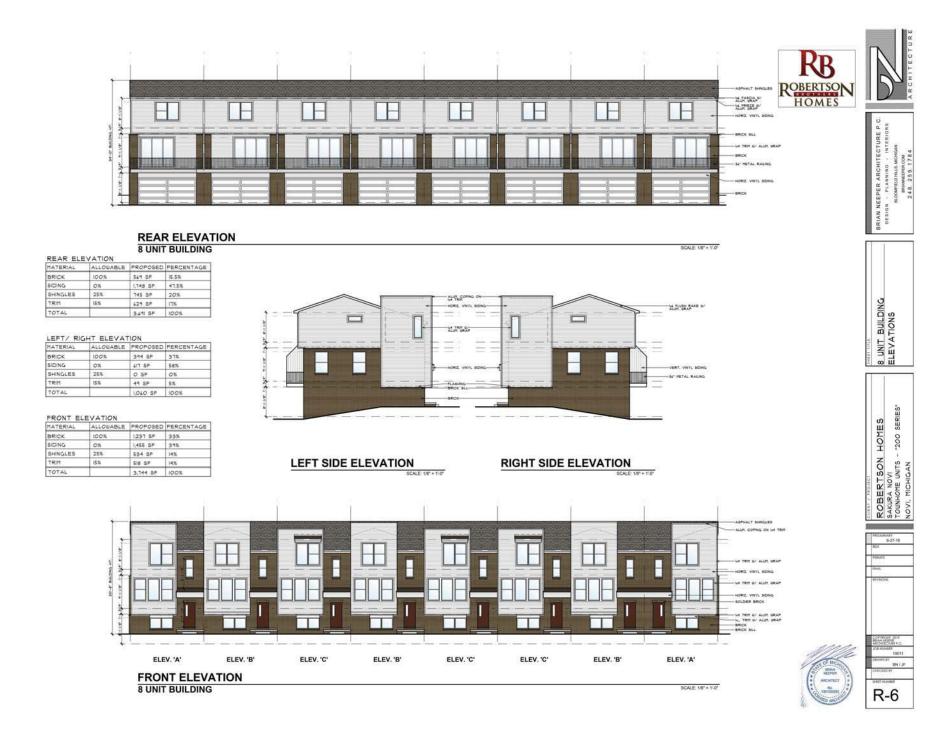
BN/JF

R-5

BRIMMEEPER.COM 248. 259. 1784

MATERIAL	ALLOWABLE	PROPOSED	PERCENTAGE
BRICK	100%	TTT SF	33%
SIDING	0%	937 SF	40%
SHINGLES	25%	317 SF	13.5%
TRIH	15%	313 SF	13.5%
TOTAL		2,344 SF	100%







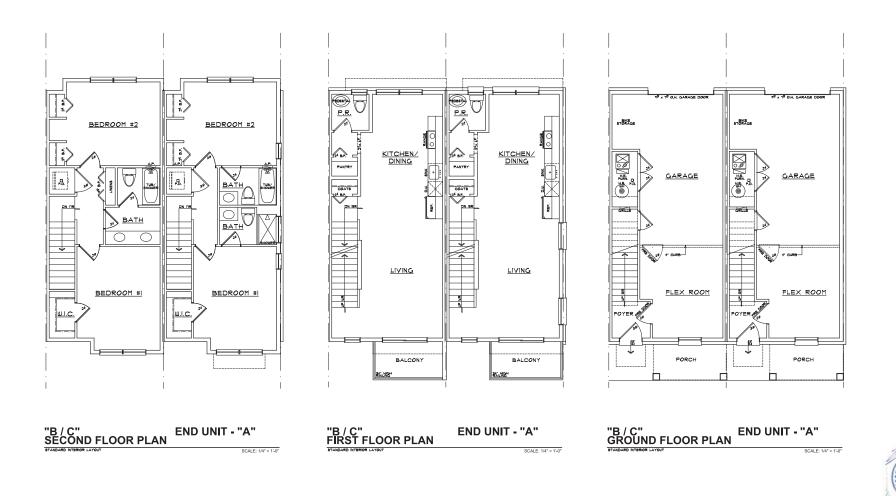
BRIAN NEEPER ARCHITECTURE DESIGN - PLANNING - INTERIO BLOOMEDANAL MICHIGAN
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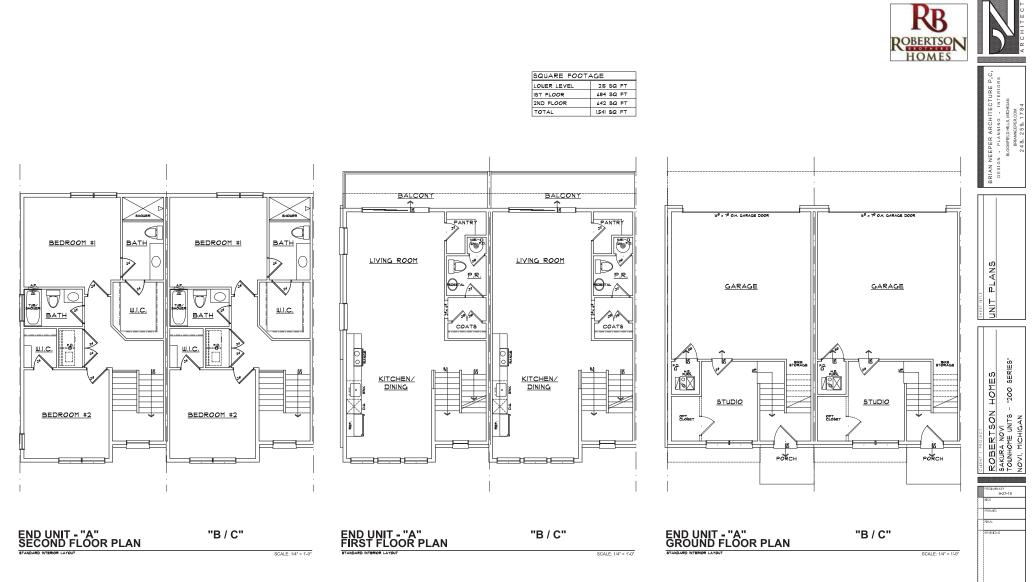
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9-27-19 BIDS PERMITS TINAL	1 PRO	ROBERTSON	BAKURA NOVI	
9-27-19 BIDS PERMITS TINAL	Ľ			_
RNAL				
		PREJM	NARY	19
REVISIONS		PRELIMI BIDS	NARY 9-27-1	19
		PRELIMI BIDS PERMITS FINAL	9-27-1	19
		PRELIMI BIDS PERMITS FINAL	9-27-1	



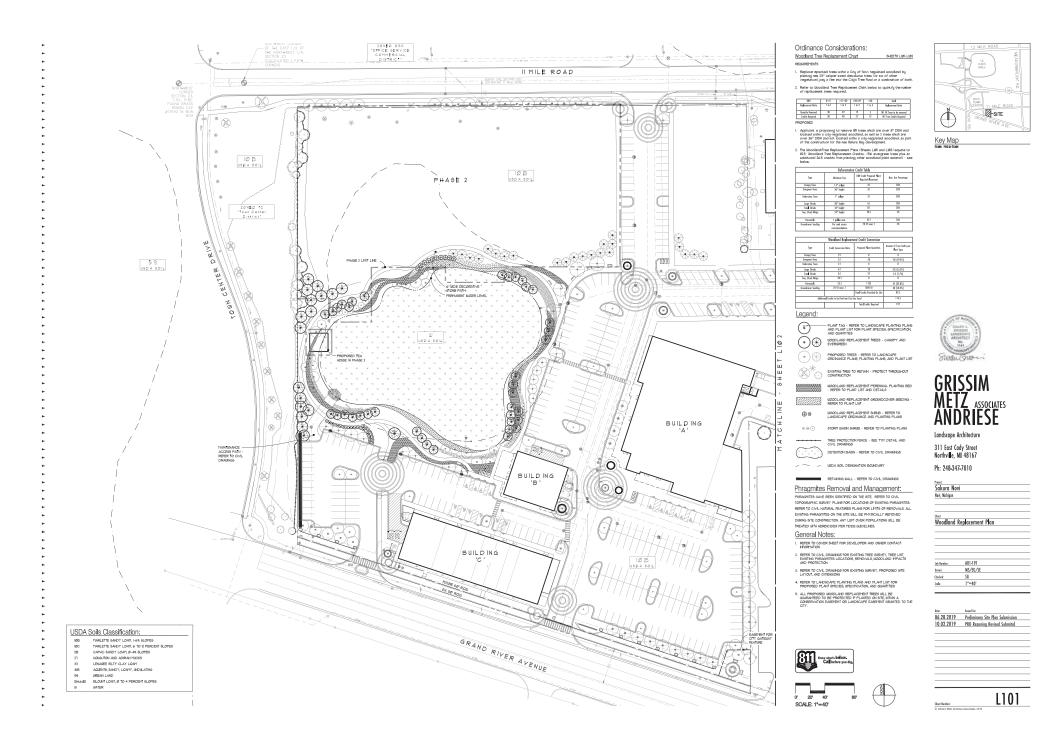
AGE
34 SQ FT
548 SQ FT
601 SQ FT
1,84 SQ FT

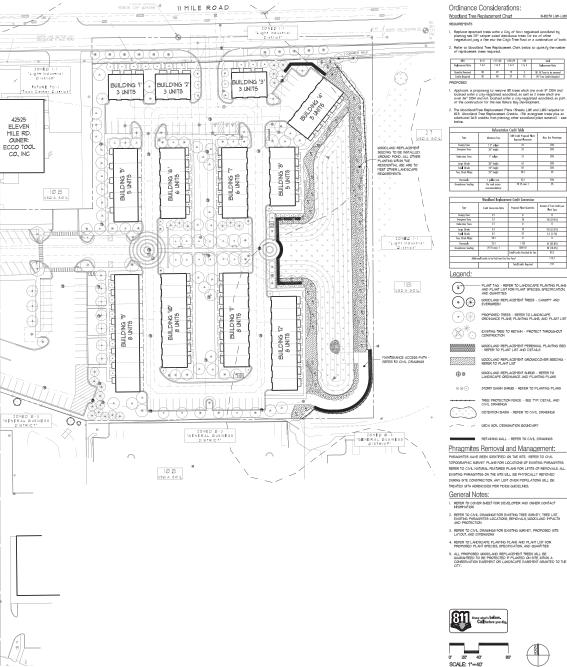






19011 BN/JF





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Ordinance Considerations: Woodland Tree Replacement Chart SHEETS LIGH-LIG2

Replace repacted trees within a City of Novi regulated succilland by planting near 25° caliper steed deciduous trees (or six of other vegetation), pay a feer into the City's free Fund or a continuation of both

Refer to Boodiand Tree Replacement Chart below to quartify the number of replacement trees required.

 WH
 8-11
 >>1<52</th>
 >WESP
 >WE
 Surface

 Replaced trip
 1 % 1
 1 % 2
 1 % 2
 1 % 4
 Memoral frame

 Rently Densel
 24
 44
 1 %
 3
 (101 Chain is in second chain Septish %)
 36
 107 To close Septish %

Applicant is proposing to resolve I®I trees which are over  $\vartheta^n$  DBH and located within a city-regulated accelland, as well as 2 trees which are over  $\vartheta^n$  DBH and inclusion at the city-regulated accelland, as part of the construction for the new Salivara May development. The libodiand/Tree Replacement Plans (Sheets LiØ) and LiØ2) equate to 825 libodiand Tree Replacement Credits. (56 evergreen trees plus an additional 265 credits from blanking other spodiand blant asterial) - se

14.	3µ4	Minimum Star	DBK Guilt Propered Hont. Reputed Hoseneet	Ass. Its Prostops
	Compy Trees	1.5" selper	21	725
	Energenen Trons	35" height	11	SIN
	Understary Trees	1º olpr	51	385
	Large Shales	30" height	E	58%
	See Shala	18" height	8	38%
	Tree, Shab Mhije	54" height	921	55
	Permick	l go <b>l</b> ur sont.	81	SIN
	Geoundcover Seeding	Per seel source recommendations	73 Sf esec: 1	22

her	Craft Corversion Ratio	Prepared Floor Reporting	Anount of Yose Codits po Marit Type
Compy Trees	21	0	0
Energenen Traes	3:1	56	18.5 (9.4%)
Understory Trees	\$3	0	0
Lorge Shralm	6.1	10	10.5 [5.21]
See Shales	83	17	85 [1.71]
Tee, Shab Nhips	52:1	0	0
Permit	15:1	1125	6 (22.85)
Groundower Seeding	78 51 8900 1	1398 51	20 (10.2%)
		Tatal Credits Phenided On Site	82.5
Additio	nel Cradits to be Paid into City	free Fand	116
	1	Intel Credits Required	107

PLANT TAG - REFER TO LANDSCAPE PLANTING PLANS AND PLANT LIST FOR PLANT SPECIES, SPECIFICATION, AND GUANTITIES

PROPOSED TREES - REFER TO LANDSCAPE ORDINANCE PLANS, PLANTING PLANS, AND PLANT LIST

EXISTING TIREE TO REMAIN - PROTECT THROUGHOUT CONSTRUCTION

4000LAND REPLACEMENT PERENNIAL PLANTING BED - REFER TO PLANT LIST AND DETAILS

WOODLAND REPLACEMENT GROUNDCOVER SEEDING REFER TO PLANT LIST

UCODLAND REPLACEMENT SHRUB - REFER TO LANDSCAPE ORDINANCE AND PLANTING PLANS

STORH BASN SHRUB - REFER TO PLANTING PLANS

USDA SOIL DESIGNATION BOUNDARY

RETAINING WALL - REFER TO CIVIL DRAWING

1.1	CA OF MICH.
14	Sec. Sec.
12	GRIDSHI .
11	LANDSCAPE *
183	ANCHITECT C
- 23	1141 82
- 1	LANDSCH

12 MILE

0AKS MALL

NOVI TOWN

(h)

Key Map

SITE .



Landscape Architecture TREE PROTECTION FENCE - BEE TYP. DETAIL AND CIVIL DRAMINGB 311 East Cady Street DETENTION BASIN - REFER TO CIVIL DRAWING Northville, MI 48167

Ph: 248-347-7010

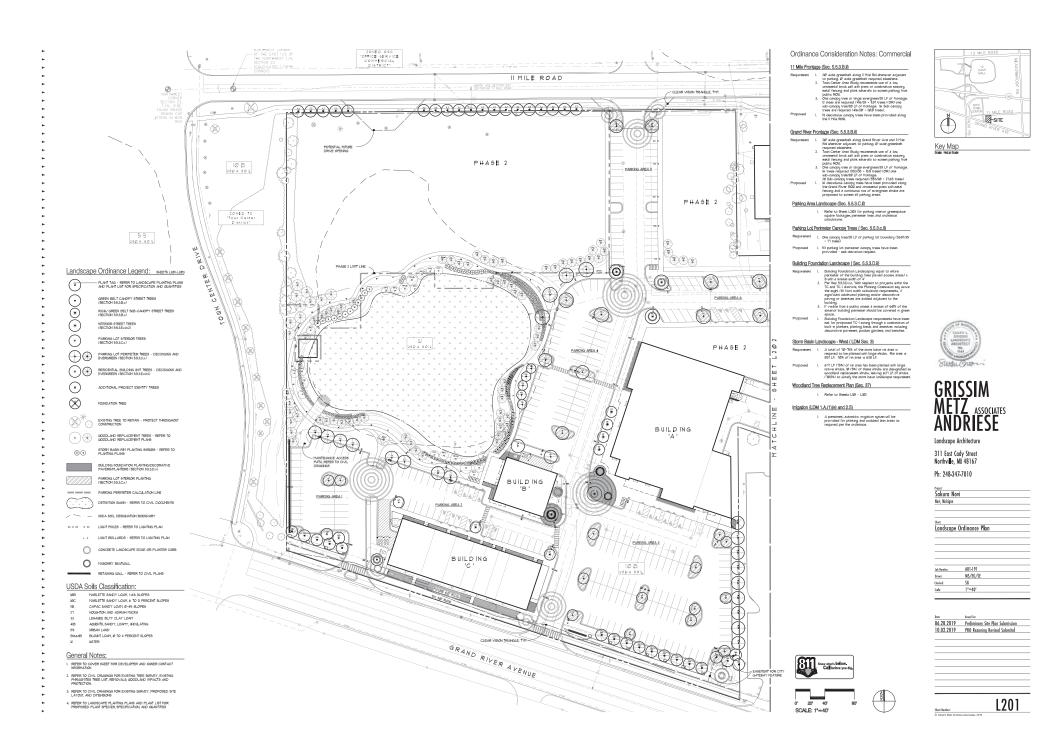
Sakura Novi Novi, Nichigan Woodland Replacement Plan

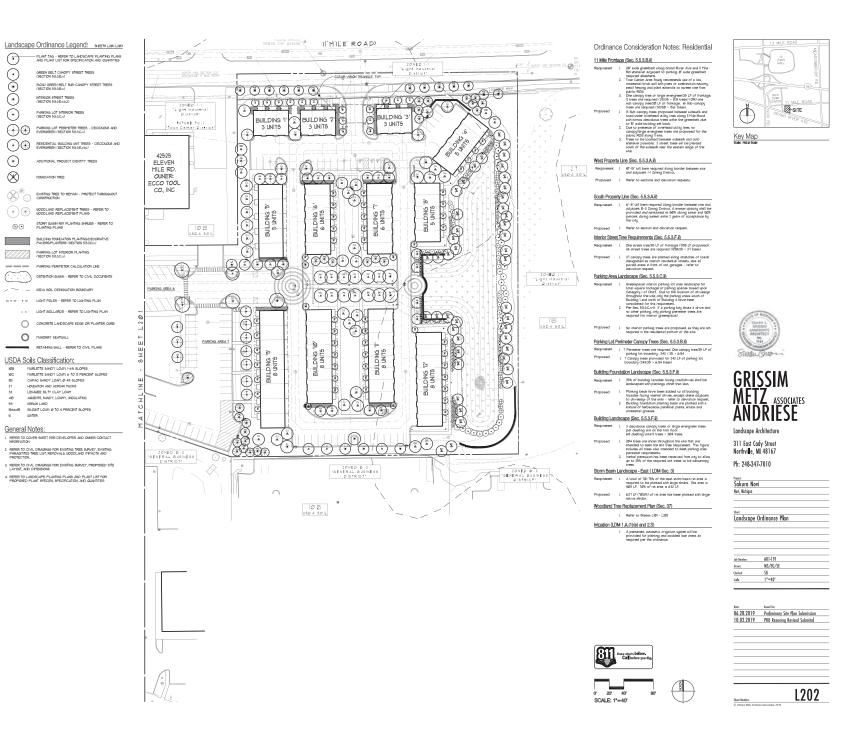
#### A01-191 lab Number: Drawn: MS/EG/SE SG 1"=40' Sale

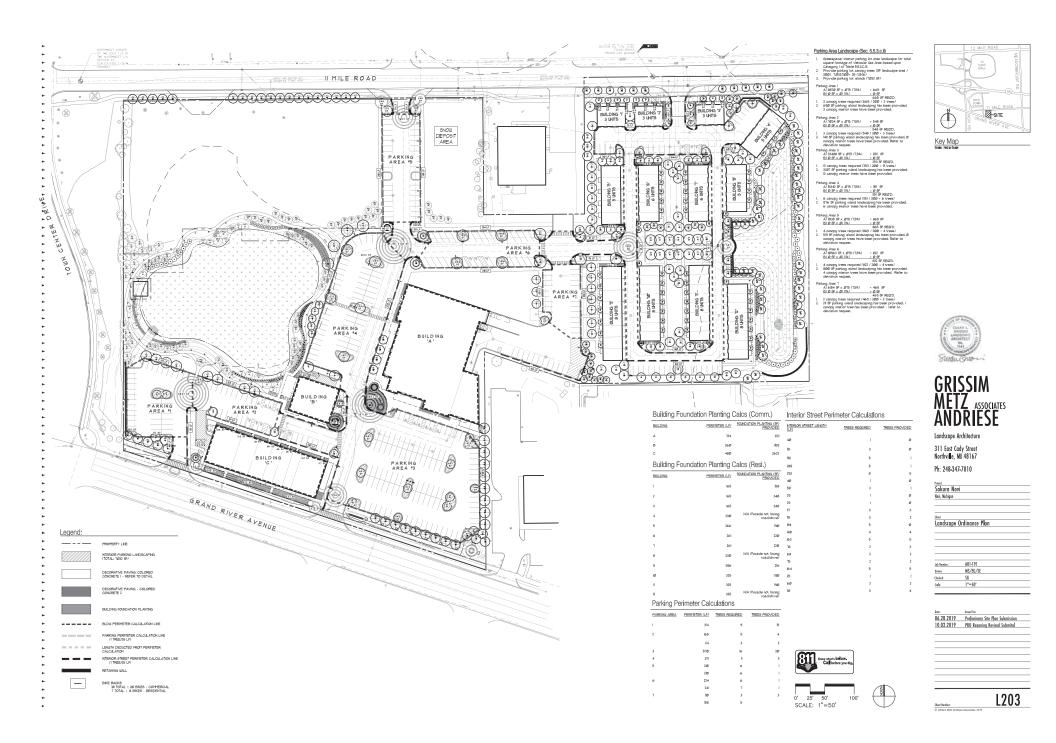
Issued fact 06.28.2019 Preliminary Site Plan Submission
10.02.2019 PRO Rezoning Revised Submital

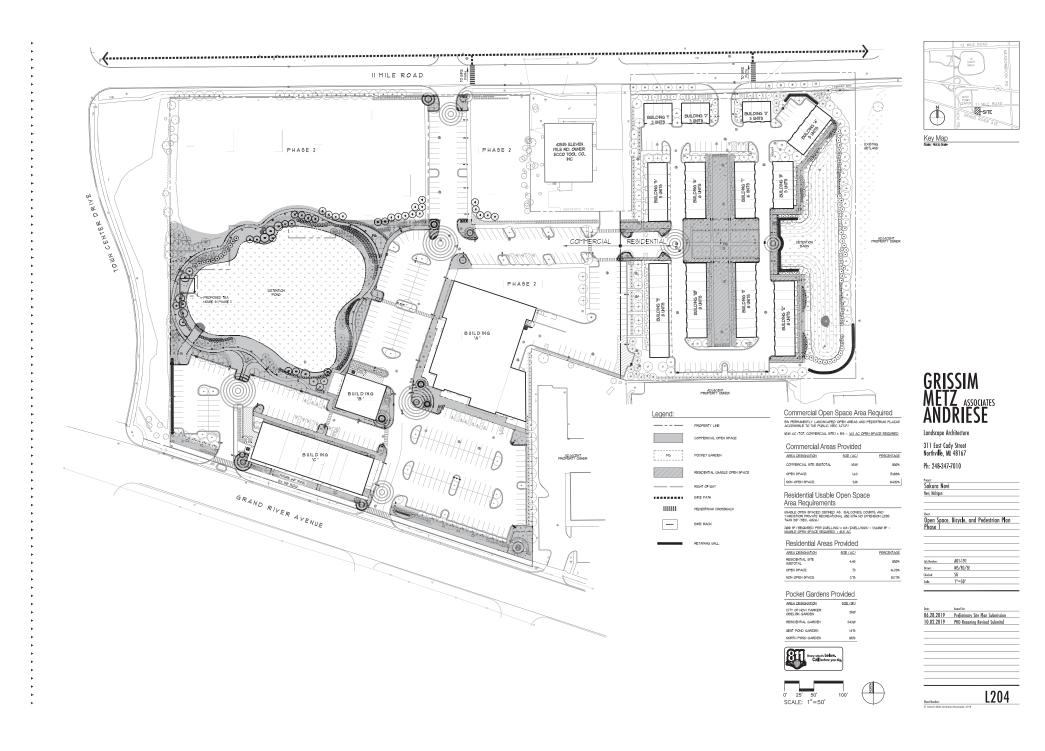
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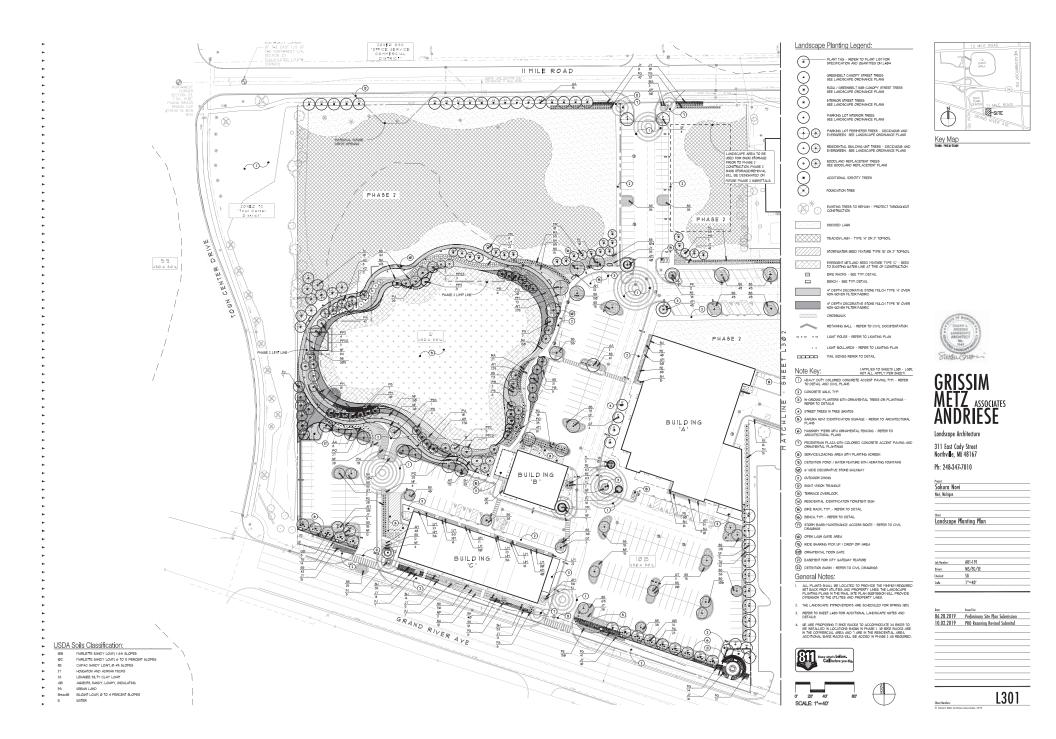
JODA	Soils Classification:
1ØB	MARLETTE SANDY LOAM, 1-6% SLOPES
IØC	MARLETTE SANDY LOAH, 6 TO 12 PERCENT SLOPES
IB .	CAPAC SANDY LOAM &-4% SLOPES
27	HOUGHTON AND ADRIAN MUCKS
33	LENAUEE BILTY CLAY LOAM
41B	AQUENT6, SANDY, LOAMY, UNDULATING
56	URBAN LAND
BrtadB	BLOUNT LOAM, Ø TO 4 PERCENT SLOPES
U.	WATER

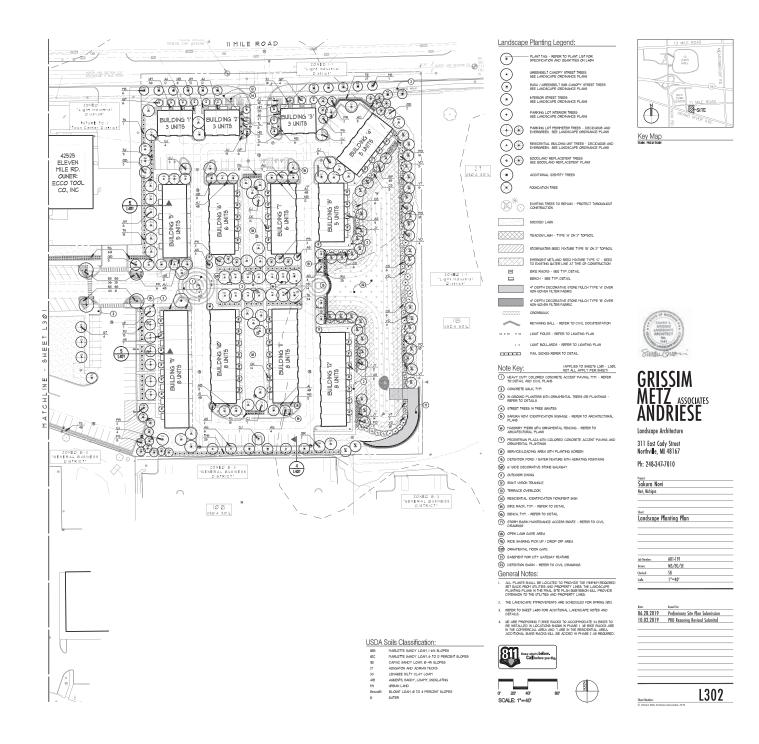


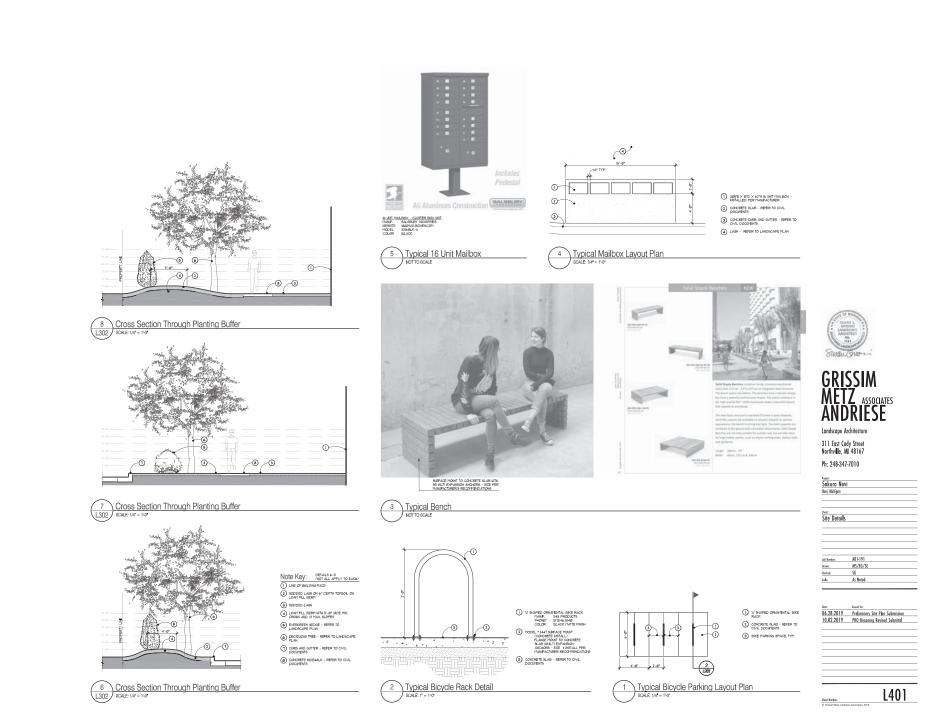


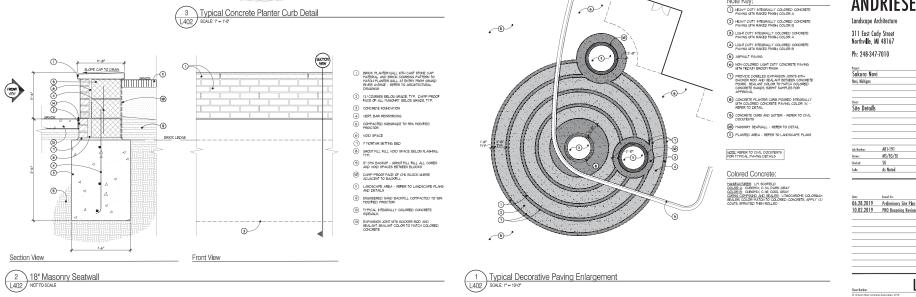












TYPICAL CONCRETE NOBLIALK WITH INTEGRA ROMED PLANTER CARE WITH HEDAM BROOT PROVIDE (J) 14 REISAR CONTINUOUS, SAUCUT VERTICAL CONTINUOUS, JOINTE OVERT 14 OC. 2 LANDSCAPE AREA

COMPACTED SUBGRADE TO 85% HODFED PROCTOR UNDER PLANT BED COMPACTED SUBGRADE TO 95% HOD/FED PROCTOR UNDER PAVING AND CURBS

(b) 4" DEPTH SAND BASE COMPACTED TO 15% HOD FED PROCTOR

-0

0



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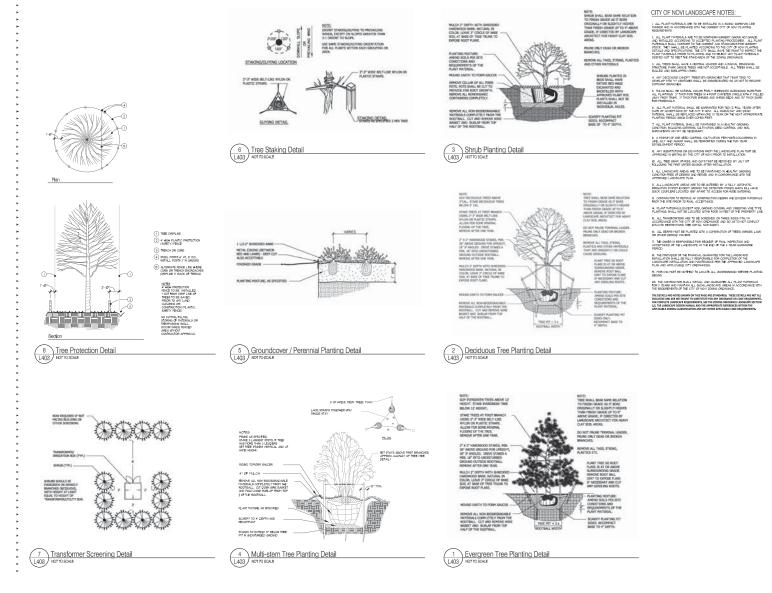
GRISSIM METZ Associates ANDRIESE

Landscape Architecture

Note Key:

Date: Issued for: 06.28.2019 Preliminary Site Plan Submission 10.02.2019 PRO Rezoning Revised Submital

L402





GRISSIM METZ Associates ANDRIESE

Landscape Architecture

311 East Cady Street Northville, MI 48167 Ph: 248-347-7010 Project Sakura Novi Nevi, Midigen

Landscape Notes & Details

Job Humber:

hove: MS/EG/ Dedet: SG task: N.T.S.

Shed Number

A01-191 WS/EG/SE

ben: basel for: 06.28.2019 Proliminary Site Plan Submission 10.02.2019 PRO Rezoning Revised Submital

L403

## Seed Mix Type 'A' - Low Maintenance, No-Mow

## Meadow Lawn ARUBA RED FIESCLE 2/18 SCOTTIGH LINKS MIXTURE: LB6AAC ARUBA RED FIESCLE 2/18 JS C-BINRAS FIESCLE 2/18 ECORTRA NARD FIESCLE 2/18 PARADO POLO SHEEPS 2/18 FIESCLE 2/18 87,12 TOTAL

PROPORTION = 25% HINDRUM PURITY = 55% HINDRUM GERMINATION = 80%

TOTAL FORES 4 SHE

5YMPHY THALICT totaL

TOTAL

TOTAL

TOTAL

TEMPORARY COVER: AVENA SATIVA LOLUM MULTIFLORIM

FORES: ACORUS AMERICANDS ALISHA SUBCORDATU ASCLEPIAS INCARNAT BOEHMERIA CILINDR CEPHALANTHIS OCCI DECODON VERTICILL

DECODON EUTROCHILM MACILLAILA HEISCUB SPP. INSE VIRGINICA V. SHREP LOBELIA CARDINALIS LOBELIA CARDINALIS LOBELIA SIPHLITICA LYCOPUS AMERICAN HYCORES MERICAN

HORIM SEDOIDES ICARIA SPP. EDERIA CORDATA "ARIA LATFOLIA ANIM TRIDUCTION

ACENTRIC MARE ACENTRIC MARE PERMINANT GRASSEBARE CARES CONSIST CARES CONSIST CARES INTO CARES IN

Seed Mix Type 'B	ľ -	Stormwater	Seed	Mix
------------------	-----	------------	------	-----

SCIENTIFIC NAME	COMMON NAME	LBMA					
PERMANENT GIRASSES/SEDGES/RUSHES:							
BCI.BOCKUCENIS FLUATILIS CAREX CRISTINELIA CAREX LIREDA CAREX LIREDA LILTIS VIRGINICIS dUTCERA STRUSS LILTIS STRUSS LILERISA CRITZODES PANCIA VIRGINICI COLERIA STRUSS CARENA STRUSS SCHWA CTERENIS	RIVER BULRISH CRESTED OVAL BEDGE BROTH EBNAUH BEDGE BROTH EBNAUH BEDGE BROTH ROUN FOX SEDGE VIRGINIA ULD RTE FOUL MANAA GRASS COMMON RUSH RICE CUT GRASS GREAT BULRISH JUTCH GRASS	650 3.00 2.00 2.00 1.00 1.00 1.00 2.00 3.00 2.00 1.00					
TOTAL		415Ø					
TEMPORARY COVER:							
AVENA SATIVA LOLUM MULTFLORUM	COMMON OAT ANNUAL RYE	36 <i>0.00</i> 100.00					
TOTAL		460.00					

COTHON MATER PLANTAN SAATE MILABED BOOMS AFFECTS CONTRACTOR BOOMS TO AND CONTRACT AND BOOM AND DICH STORE CONTRACT DICH STORE CONTRACT BOOM AND BOOM AT AND BOOM AT AND BOOM AT AND BOOM AT ANTRA ANALLE ANTRA NEW BOLADIA ANTRA NEW BOLADIA ANTRA

Seed Mix Type 'C' - Emergent Wetland Seed Mix

CONTRON NAME

COMMON OAT ANNUAL RYE

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CODE	STY.	DESCRIPTION	SACE	COMMENTS
AC.	7	Abies concolor	8 N.	888, unsheared
		White Fir		he being of a.f
PR	11	Pinus resincea	811.	888, unsheared
	1	Red Pire		full to ground
PS	20	Pinus atrobus	814.	849, unsheared
	-	Eastern White Pine		full to ground
P53	1	Pinus atrobus	12'14.	D&D, unsheared
	1	Eastern White Pine		full to ground
тс	17	Tsuga canadensis	<i>a</i> n.	D&D, unabaared
	-	Canadian Hernkok		full to ground
Strate				
CODE	OTY.	DESCRIPTION	SAZE	COMMENTS
PD	10	Physocarpus opulifelius	36*	plant 4" e.c.
	-	Common Ninebark	spd, min.	
ντ	27	Viburrum triksburr	36"	plant 6" e.c.
	-	American Cranberrybush	spd, nin,	
Grazans				
CODE	QTY.	DESCRIPTION	SIZE	COMMENTS
SH	482	Sporobolus heterolepis	24" Nuispol	plant 24" o.c.
		Prairie Dropseed	min, cont.	
	643	Schizecheium spoparium 'The Blues'	24" N (md	olant 18" e.c.
55				

Plant List - Woodland Replacement

Everymen Treas

Granuer				
CODE	QTY.	DESCRIPTION	SEC	COMMENTS
FE	666	Festuca glauca 'Eljah Blue'	90" h& lepck	plant 12" cvc.
		Ciljah Bias Pescas	mins, cont.	
FG	223	Fargesia nitida 'Gesat Walf	6 H.	plant 3" c.c.
		Great Wall Base Fountain Clamping Bamboo		
FJ	57	Fargesia nitida 'Jiuzhaigou/	314	plant 24" evo
		Red Clamping Bemboo		
4M	364	Hakonechisa macra	10" hLippi.	plant 10" cvc.
		Japanese Ponest Crass	mins, conf.	
51	415	Sporobolus heterolepis	24" ht/spc	plant 24" cvc.
		Prairie Dropsood	min, conf.	
55	2111	Schizechyrium scoperium "The Dikes"	24" Mulapolu	plant 24" cvc.
		Little Fluestern	min, conf.	

Plant List

CODE	QTY.	DESCRIPTION		GENUS N	SPECIES N	COMMENTS
AG	23	Azer saccharum 'Green Mountain' Green Mountain' Sugar Magle	5828 3" cat	12,0%	5,5%	BAR
		Green Mourtain Sugar Maple				
w.	29	Acer a feornarii 'Autaren Blace' Auturen Blace Map <b>le</b>	3" ce <b>t</b>	12,0%	7%	888
		Autoren Blace Mople				
A8	30	Anna anchier canademis 'Autumn Billiance' Autumn Billiance Servicebeny	8 w.	7,2%	7,3%	555, metholom
	-	Autumn Britance Servicebony				-
3P	45	Betula popyrilera	8 M.	10,2%	10,9%	555. melti-stern
	-	Canoe Birch				-
cu .	-40	Cercidiphyllium japonicum 'Red Fox'	7 8.	9,7%	9,7%	
	-	Red Fox Ketsera Tree	-			-
ск	24	Corres kouse Kouse Dogwood	<i>a</i> w.	5,0%	5,0%	BAD, malti-store
	-		-		-	-
GA .	22	Girkgo Bilsten Malderhair Troe	3* co <b>l</b>	9%	5.3%	040
æ	15	Ginkgo bilidia 'Princeton Sentry' Princeton Sentry Maldenhair Tree	8° co <b>L</b>	9%	3.6%	0.5.0
		Gledibia triacanthos f, inernia 'Skycole'	2° ca <b>l</b>	7%	7%	545
GT	29	Gledibia triacanthos f, inernia 'Skycole' Skyline Honeyboost	3" col	7%	2%	848
NS	18	Helen 'Segar Terre'	2'04	445	445	RAR
NS	10	Sugar Tyrne Crabagole	1.04	10.0	10.0	050
PK .	35	Promos servicio Nacionari	3º ca <b>L</b>	13,5%	0.5%	555
		Prunus servalata 'Xeanzan' Japanese Rowering Cherry Tree				
PP 2	14	Prunus subhittera 'Pendara'	2' ca <b>t</b>	13,9%	5%	848
-		Prunus subhiteta Pendata' Higan Cherry				
PP 2,5	8	Prunus subhitella 'Pendula'	2.5° cat	13%	5%	848
	Ľ	Prunus subhitella 'Penduls' Higan Charry				
0.0	5	Quercus bicolor Swamp White Oak	3" cal.	12%	1,2%	848
		Swamp White Oak				
on	1	Quercus rabra Red Oak	3" cet.	12%	0.5%	040
ur	24	Ulmus 'Frontier' Frontier Hybrid Bin	3° cal.	5,8%	5,8%	845
		Frontier Hybrid Bm	-			-
Evergreen	Trees					
CODE		DESCRIPTION	SEC	GENUS N	SPECIES N	COMMENTS
AC	\$	Abies consolar	8" ht.	12%	1,2%	858, unsheared
	-	Write Fit				full to ground
PR	20	Pinas resinosa	8° M.	10,7%	6,6%	848, unsheared
	-	Red Pine				full to ground
PS	15	Pinus strobus	8° N.	10,7%	3,9%	868, unsheared full to ground
	-	Eastern White Pine	-			hull to ground
Shake						
	QTY.	DESCRIPTION	5826			COMMENTS
CODE	<u>атт.</u> 3	DESCRIPTION Basis Green Velver	SETE 18" ht/spd.			COMMENTS plant 18" o.c.
BG	<u>атт.</u> 3	DESCRIPTION Busics Steen Velver Green Velver Boorcood	COFL			-
BG	<u>QTY.</u> 3		0045			COMMENTS plant 18" o.g.
000E 80 08	38	Cornes serices Redhvig Dogwood	cort. 36" apr. min.			plant 6 o.c.
000E 80 08	38	Comes serices Redbeig Dogwood	24"-30"			-
00DE 80 CS JY	38	Corres serices Rectivity Dogwood Juniperus horitonitalis "Youngstown" Youngstown Andona Juniper	cort. 36" apr. min.			plant (f e.c. plant 30° e.c.
00DE 80 CS JY	38	Corress serices Rechelg Dogwood Juniperus hortsontalls: "Youngstown" Youngstown Andona Juniper Plinas muozo	24"-35" 24"-35" 24"-35" 5pd. mirc.			plant 6 o.c.
соря 86 св л	38 235 110	Correis Before Rectivig Dogwood Andpenis Horisontalis "Youngstown" Youngstown Andoria Junipar Piteai mago Mago Pitea	004 38° apr. min. 24°-30° spd. min. 80° spd. min.			plant (f o.c. plant 30° o.c. plant 4° o.c.
соря 86 св л	38	Correst terilope Readining Dogwood Aniperest beformalie: Youngetown' Youngetown Andores Aniper Pines mapp Mapp Pres Physicological opublishies	24"-30" 38" apr. min. 24"-30" 394" min. 30" 30"			plant (f e.c. plant 30° e.c.
0000E 80 05 17 PM	38 235 190 130	Conse selone Rething Dopwood Anopers Andorea Antiper Ysonghon Andorea Antiper Prea mapo Mayo Fine Mayo Fine Physicospita opublishus Connon Minisburk	004 38" apr. min. 24"-30" spd. min. 30" spd. min. 38"			plant (f o.e. plant 30° o.e. plant 4° o.e. plant 4° o.e.
0000E 80 05 17 PM	38 235 190 130	Correst terilope Readining Dogwood Aniperest beformalie: Youngetown' Youngetown Andores Aniper Pines mapp Mapp Pres Physicological opublishies	24"-30" 38" apr. min. 24"-30" 394" min. 30" 30"			plant (f o.c. plant 30° o.c. plant 4° o.c.
соре 86 л/ РМ РО ПА	38 235 190 130	Conse seriosa Technig Dopenoid Anaipera Antoiontala "ricengetow" Yuxegetown Andores Antoine Maga Pine Priperception opakitake Consens Mindowh Rise astronetics Discloref Orci, on Frogram Dischor	0001 38" apr. min. 24"-30" 594 min. 38" 594 min. 38" 596 min.			plant (f e.g., plant 30° e.g., plant 4° e.g., plant 4° e.g., plant 3° e.g.,
соре 86 л/ РМ РО ПА	38 235 190 130	Conse selone Rething Dopwood Anopers Andorea Antiper Ysonghon Andorea Antiper Prea mapo Mayo Fine Mayo Fine Physicospita opublishus Connon Minisburk	38° apr. min. 24°-30° spd. min. 38° spd. min. 38° spd. min.			plant (f o.e. plant 30° o.e. plant 4° o.e. plant 4° o.e.
0000E 860 CS 1/7 PM PO RA TE	38 235 110 130 121 91	Crista soloo Rading Deponst Angens Extensibility Yasapitowi Yasapitowi Andersi Angen Pasa magi Magimba	004L 38" 8pt min. 24"-30" 5pd min. 38" 5pd min. 38" 5pd min. 30" 5pd min. 30"			pher (° or. pher 30° or. pher 4° or. pher 4° or. pher 5° or. pher 30° or.
0000E 860 CS 1/7 PM PO RA TE	38 235 190 130	Consistence Technique Depresent Anigenese Inconstante "Youngsteame" Techniquese Andreis Angere Mage Tece Press mage Mage Tece Press mage Mage Tece Press mage Press Pre	0001 38" apr. min. 24"-30" 594 min. 38" 594 min. 38" 596 min.			plant (f e.g., plant 30° e.g., plant 4° e.g., plant 4° e.g., plant 3° e.g.,
CODE BG CS // PD PD TE TE	38 235 110 130 121 91	Contra stopp Anthrub Deposed Antipens Instantial Viscoptuse' Yangsens Antonia Janger Magnime Magnim Magnime Magnime Ma	004L 38" 8pt min. 24"-30" 5pd min. 38" 5pd min. 38" 5pd min. 30" 5pd min. 30"			pher (° or. pher 30° or. pher 4° or. pher 4° or. pher 5° or. pher 30° or.
CODE BG CS // PD PD TE TE	30 2255 110 130 121 91 17	Centra stopp Andres Dogenet Andres Dogenet Vargenet Andres Anger Mage Nes Mage Nes N	0001 36" 800 min. 24"-36" 560 min. 36" 560 min. 36" 560 min. 35" 560 min.			phere (f to a , phere of the phere.
CODE 80 CS PM PD RA TE TL TL	38 225 110 110 130 121 121 91 17 78	Conne antibility Bendrigs Descond Antionas Nationala Managalane Nargana Antionala Managalane Nargana Ang Bagi Nag Nag Nag Nag Nag Nag Nag Nag Nag Nag Nag Nag Nag Nag Nag Nag Nag Nag	0001. 38° app. mm. 24°-30° 590° mm. 380° 590° mm. 380° 590° mm. 380° 590° mm. 380° 590° mm. 380° 381°			pher 6 v.c. pher 30 v.c. pher 4 v.c. pher 4 v.c. pher 3 v.c. pher 3 v.c. pher 5 v.c. pher 5 v.c.
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<u>ооре</u> 883 <i>IY</i> РМ РМ РМ РМ РМ РМ РМ РМ РМ ТК ТК ТК ТК ТК С 8 4, 12 11 11 11 11 11 11 11 11 11 11 11 11 1	38 225 113 113 133 133 133 133 121 121 17 17 78 78 97 97 97	Dess Stell Argen Encodes Young and Argen Encodes Young and Young and Arden Young and Young and Argen Argen Young Young and Young Argen Young Young Young Argen Young Young Young Young Argen Young You	0001 387 890, 1990, 2000 397 596, 1990, 397 596, 1990, 397 596, 1990, 397 596, 1990, 397 595, 1990, 397 596, 1990, 397			pher 0 v.c. pher 20 v.c. pher 0 v.c. pher 0 v.c. pher 0 v.c. pher 3 v.c. pher 3 v.c. pher 3 v.c. pher 3 v.c. pher 4 v.c. pher 4 v.c. pher 4 v.c. pher 4 v.c. pher 4 v.c. pher 4 v.c. pher 5 v.c. pher 5 v.c. pher 5 v.c. pher 5 v.c. pher 6 v.c. pher
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Landscape Architecture 311 East Cady Street Northville, MI 48167

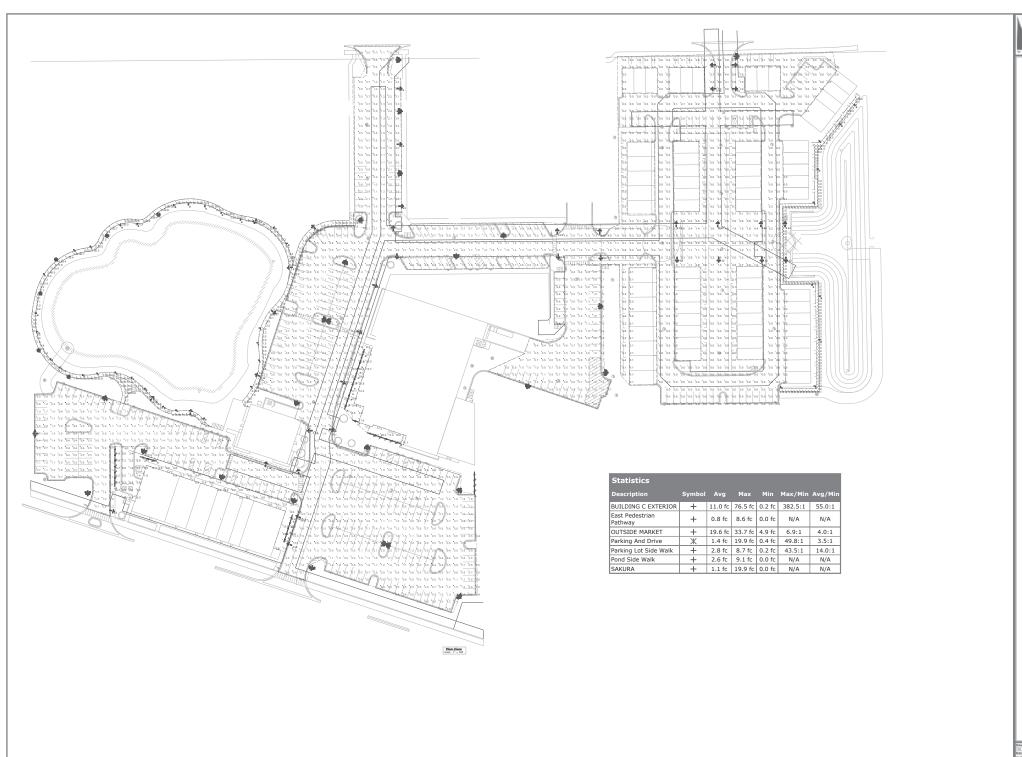
Ph: 248-347-7010 Project:

Novi, Nichigan		
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Plant List		
Jab Number:	A01-191	
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06.28.2019	Preliminary Site Plan Submission
10.02.2019	PRO Rezoning Revised Submita

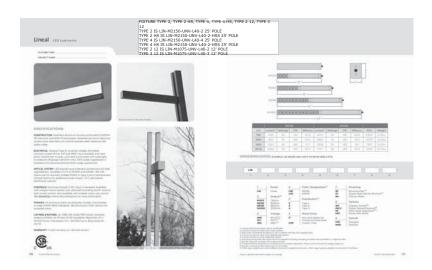
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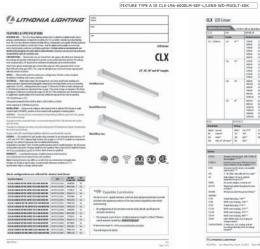
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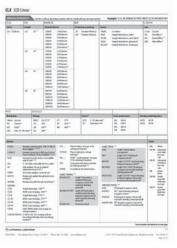


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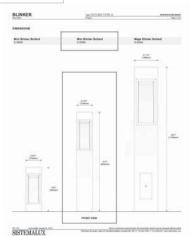
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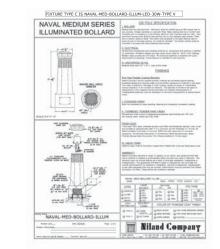






FIXTURE TYPE B IS \$6090N PERSONAL MART BLINKER be NOLMET THE R BLINKER DMENSIONS Mini Binkar Bolard 2 ADD Prover input 17 to 34.000 Longen-200 to 625m, for 50506, ecch Longentine officienty 10 to 200 to -LEO modele LM broad micht ennet micht ennet micht enter einer Lamon fater Kennet Runding Dectar Faces Report Records Records Conflictation Integra high affinency electron stand at \$1 100 hours, \$25,275 Automatigang at Bartistan Kalimaningang at Bartistan F Jato 2020an (Li Ant 12, Ang B yang Sector automatig B yang Sector automatig М R . The transformation of the second s SISTEMALUX





Schedule							Number	Enner			
Symbol D O	2HS	Quantity	Manufacturer Structure, 19922 W 152nd S2, Olathe, KS 66062	Catalog Number LIN-M 075-LIN-LIN-3-C(X)-XX- HSS-STD	Description Structure Isc Pole mount markery lammane. Product Ib: LIM-H1075-484- LB-2-CVJ-VC-H65-4710 Back partner back of the structure of the structure of the structure with mean of char plantic individual inner. One Philips Advance Vizierum ILD driver. Model VIZIECZ72005-BESSI Operating at 120 Was stol 60 Hz. With adder drives like shield.	Lanp	Lamps 12	FURDARIA LINE-MELOYS-2000K-TYPE II- NSS, IES	288.9405	Light Loss Factor	42.3
0	2	1	Structura, Inc., 19922 W 162nd St., Olathe, KS 66062	Lineal	Structure Inc Hole mount roadway fuminaire. Product ID: Lineal Black painted cast aluminam bouring. 21 LEDs in 6 x 2 array with sheet of clear plastic individual blocks: Che Philips Adamon X trainum LED driver. Madei: X1355C10540538NY1 Operating at 120 VMC and 60 Hz.		12	LIN-M1075-3000K-TVPE II.3ES	324.647	1.95	22.4
0	4HS		Structura, Inc., 19922 W 162nd St., Olathe, KS 66062	LB+91075-UNV-L30-4-C(X)-XX- H66-670	Etrocture Inc Pole mount conducy humination. Product Ib: UIH-HEIDS-UN- Laboratory (Conduct Ib: UIH-HEIDS-UN- entropy (Conduct Ib: UIH-HEIDS-UN- ternet) (Conduct Ib: UIH-HEIDS-UN- individual Innoise. One Philips Advance Xitanium LID driver. Model 310962275905448551 Operating at 120 VMI and 66 Hr.: Win added house dide chiefd.			LIN-941075-20206-TV96 IV- 9555.185		1.95	43.2
0	4	21	Structura, Inc., 19922 W 162nd St., Olathe, KS 66062	LDE-M 1875-UNIV-LDB-4-C(X)-KK-KK -STD	Structure Inc Hole mount roadways fumination. Product Ib: UH-HHDS-UM- Back (UK) - State (UK) - State (UK) - State extruded aluminium housing, 12 LEDs in the 6 x 2 minium Hhousing, 12 LEDs in the 6 x 2 minium Hhousing, 12 LEDs in State (UK) - State (UK) - State Individual Innaec, One Hillips Advance X109622750/05486511 Operating at 120 UKI and 60 Hz.		13	LIN-941075-388696-1996 77.365	342.1394	1.95	42.3
0	2 12	17	162nd St., Olathe, KS 66062	Lineal	Etracture Brc Pole mount condenge turninaire. Product Brc. Unseal Black painteel cast aluminum bousing. 12 LEDs in 6 x 2 browy with theet of clear paintic individual incese. One Polipi Advance Xtanium LED driver. Madel: X105GL 105/WG2BNY1 Operating at 210 WG2 and 60 Hz.			LIN-M1075-3000K-TVPE ILIES	224.647	0.95	22.4
0	3 12	21	Structura, Inc., 19922 W 162nd St., Olathe, KS 66062	Lineal	Etracture Inc Pole mount coadeagy lumination. Product ID: Uneal Black painted cast aluminum housing. 12 LEDs in 6 y 2 https://db.che.Polipip.Aduance.https://db. dniver. Model: X1055C.1051v528NY1 Operating at 120 VMC and 60 Hz.			LIN-ML075-3000K-TYPE IILIES	328.011	0.95	22.4
	А	22	Lithonia Lighting	CLX L96 10000LM SEF WDL HVOLT 40K 80CRI CLXR896	CLX LED Strip Light 96*, 10000LM, Standard efficacy, Less louver, Wide diffuse, 4000K, 80CRI , Wide decorative 96* reflector	LED .		CLX_L96_10000LM_SEF_W DL_MVOLT_4DK_BOCRI_CL XR0996.ies		0.6	66.47
$\Delta$	В	28	Sine S.p.A.	SEORCH.142	MiniBlinker LED Citzen CLU028 1204 400mA Neutral White	LED Otben CLU028 1204C4 402 HS K2 Neutral White		5629KN Int	214	0.95	17
0	с	6	MATECH		434 V WITH MATECH D4 LED LIGHT ENGINE WITH SILICONE LENS		1	products_files2746.les	3494	0.95	30.2

Exterio	rior Packages – Proposed The Residences at Sakura Novi								
	Siding -	Roof (tamko	Brick - Queen	Trim and	Garage				
	Horizontal	or equal)	Size	corners	Door	Front Door			
	Wolverine American Legend 4″ Clapboard -								
Package	•	Weathered	Grey Ash (Glengery Queen Sized)	White		Turkish Coffee - SW6076			









