

# City of Novi Community Development Residential (**NEW HOUSE**) Building Permit Application Requirements 248.347.0415

Building Permit Application
\$455.50 submittal fee
THREE (3) SETS of construction building plans (Signed and sealed if calculated
square footage is greater the 3,500 sf). BUILDER IS TO PROVIDE CALCUATIONS IF
PLANS ARE NOT SEALED.
THREE (3) SETS of heating/cooling plans – if heating & cooling system are greater
than 375,000 Btu's. (Signed & Sealed, Act 299) Plumbing plans when the CALCUATED square foot is greater than 3,500 square
feet (Signed & Sealed).
Electrical drawings when the electrical system is greater than 400 amps & 3,500
square feet (Signed & Sealed).
THREE (3) SETS of truss layouts.
THREE (3) SETS of completed MICHIGAN UNIFORM ENERGY CODE 2009
WORKSHEETS or ResCheck.
Manual J Worksheet (HVAC calculations)
Land Improvement Application
Land Improvement Checklist
EIGHT (8) Plot Plans (meeting all requirements of the grading plan checklist and
specifying the proposed elevation of footings and brick ledges).
Woodland/Wetland Affidavit (If property contains wetlands or woodlands
a\$402.50 plan review fee <b>FOR EACH</b> is required at the time of submittal).
Right of Way Application (submitted to the Engineering Department). To see if
applicable please contact our Engineering Department at 248.347.0454.
Soil erosion permit. To see if applicable, please contact Maureen Underhill at
248.735.5678.
Well Permit from Oakland County Health Department
Septic permit approval from Oakland County Health Department – if applicable.
Developer or homeowner's association approval (ALL EXCEPT: Island Lake,
Liberty Park, Knightsbridge Gate and Bella Terra).
\$5,000.00 site restoration bond (refundable)

### Fees due at time of submittal:

- 1. \$455.50 Building Permit Application
- 2. \$402.50 Woodland/Wetland Plan Review Fee (if applicable)

Thank You! City of Novi Community Development



### **Community Development Department**

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

<b>Permit Number:</b>	P

### **BUILDING & ZONING PERMIT APPLICATION**

APPLICATION MUST BE FILLED OUT COMPLETELY

I. PROJECT LOCATION/FACILITY	INFORMATION					
PROJECT NAME						
ADDRESS						
SUBDIVISION/FACILITY NAME		LOT / UNIT#				
SIDWELL #		ZONING DISTRICT	1	HORITY: P.A. 203 OF 1972 MPLETION: MANDATORY TO ALTY: PERMIT WILL NO	OBTAIN PERMIT	
II. IDENTIFICATION						
A. OWNER OR LESSEE	EMAIL ADDRESS			FAX NO.		
NAME				TELEPHONE NO.		
ADDRESS		CITY		STATE	ZIP CODE	
B. ARCHITECT OR ENGINEER	EMAIL ADDRESS			FAX NO.		
NAME	·			TELEPHONE NO.		
ADDRESS		CITY		STATE	ZIP CODE	
LICENSE NUMBER				EXPIRATION DATE		
C. CONTRACTOR	EMAIL ADDRESS			FAX NO.		
NAME				TELEPHONE NO.		
ADDRESS		CITY		STATE	ZIP CODE	
BUILDERS LICENSE NUMBER				EXPIRATION DATE		
FEDERAL EMPLOYER NUMBER OR REASON FOR EXEMPTION						
WORKERS COMP INSURANCE CARRIER OR REASON FOR EXEMPTION						
MESC EMPLOYER NUMBER OR REASON FOR EXEMPTION						
III. TYPE OF IMPROVEMENT		ESTIMATE	D CO	ST OF CONSTRUCTION		
☐ NEW BUILDING ☐ REPA	IR □ FC	DUNDATION ONLY		SHELL D	ECK	
☐ ADDITION ☐ PRE-	MANUFACTURE	MOBILE HOME SET-UP		TENANT SPACE		
☐ ACCESSORY STRUCTURE ☐ ALTE	RATION 🗆 DI	EMOLITION				
□ POOL: □ IN-GROUND □ ABOVE GROUND □ OTHER						
☐ ADDENDUM No.	BULLETIN N	0		PRIGINAL PROJECT No		
IV PROPOSED LISE OF BUILDING	ε ε. DI ΔΝΙ DF\/IF\// IN	FORMATION				

A set of construction documents are required with each application for a permit, unless waived by the Building Official when code compliance can be determined based on the description in the application. AN Energy Code Worksheet is required for all new residential houses or additions.

Construction documents must be sealed and signed by an architect or professional engineer in accordance with 1980, PA 299 as amended. The seal and signature is not required for one and two family dwellings less than 3,500 square feet of calculated floor area and public works less than \$15,000 in total construction cost.



# **BUILDING & ZONING PERMIT APPLICATION**

A. REVIEW(S) TO BE PERFORMED				
	CTRICAL ENERGY			
□ Plan Submitted □ Plan not required □ Plan not required □ F	PLAN NOT REQUIRED   WORKSHEET			
□ Plan required & Submitted □ Plan required & Submitted □ P	LAN REQUIRED & SUBMITTED SUBMITTED			
B. RESIDENTIAL - Regulated by the Michigan Residential Code and Zoning Ordin	ance			
☐ MODEL ☐ TWO OR MORE FAMILY (# OF UNITS) ☐ DETACHED GA	ARAGE			
☐ ONE FAMILY ☐ ATTACHED GARAGE ☐ OTHER	<u> </u>			
C. BUILDINGS - Regulated by the Michigan Building Code and Zoning Ordinanc	e			
☐ (A-1) ASSEMBLY (THEATRES, ETC.) ☐ (H-1) HIGH HAZARD (DETONATION)	☐ (M) MERCANTILE			
$\square$ (A-2) Assembly (restaurants, bars, etc.) $\square$ (H-2) high hazard (deflagration	I) 🗆 (R-1) RESIDENTIAL 1 (HOTELS, MOTELS)			
$\square$ (A-3) ASSEMBLY (CHURCHES, LIBRARIES, ETC.) $\square$ (H-3) HIGH HAZARD (COMBUSTION)	☐ (R-2) RESIDENTIAL 2 (MULTIPLE FAMILY)			
□ (A-4) ASSEMBLY (INDOOR SPORTS, ETC.) □ (H-4) HIGH HAZARD (HEALTH HAZAR)	D) 🗆 (R-3) RESIDENTIAL 3			
□ (A-5) ASSEMBLY (OUTDOOR SPORTS, ETC.) □ (H-5) HIGH HAZARD (HPM)	(CHILD & ADULT CARE)			
☐ (B) BUSINESS ☐ (I-1) INSTITUTIONAL 1 (SUPERVISED)	☐ (R-4) RESIDENTIAL 4 (ASSISTED LIVING)			
☐ (E) EDUCATION ☐ (I-2) INSTITUTIONAL 2 (HOSPITALS ETC	(S-1) STORAGE 1 (MODERATE HAZARD)			
☐ (F-1) FACTORY (MODERATE HAZARD) ☐ (I-3) INSTITUTIONAL 3 (PRISONS ETC.)	☐ (S-2) STORAGE 2 (LOW HAZARD)			
☐ (F-2) FACTORY (LOW HAZARD) ☐ (I-4) INSTITUTIONAL 4 (DAY CARE ETC	(U) UTILITY (MISCELLANEOUS)			
	,			
D. WORK DESCRIPTION (Residential and Non-Residential Projects)				
Provide a description of the work to be covered by the permit. As examples; 20,000 sq. ft. office building exterior doors, renovate basement in a residence, etc.	, building a 2,300 sq. ft. office addition, replace 5			
extend doors, renovate basement in a residence, etc.				
E. DIMENSIONS/DATA				
BASIC USAGE:   RESIDENTIAL   COMMERCIAL   INDUSTRIAL	□ MUNICIPAI			
	MIXED USE or NON-SEPARATED MIXED USE			
□ 1B □ 2B □ 3B □ 5B □ OTHER <u> </u>				
DIMENSIONS: ACTUAL BUILDING HEIGHT:FT;STORIES				
	CO FT			
Area: <b>Total area</b> of building footprint (not just tenant space)				
FLOORS INCLUDED IN SCOPE OF WORK STORIES FLOOR AREA	IN SCOPE OF WORK SQ. FI.			
OCCUPANT LOAD: TOTAL OF THE BUILDING ADDITION REMODE	LED SPACE or UNCHANGED \( \Boxed{1}			
Fire Alarm & Fire Suppression:				
BUILDING TO BE EQUIPPED WITH AN AUTOMATIC FIRE SUPPRESSION SYSTEM?	□ VES □ NO TVDE			
BUILDING TO BE EQUIPPED WITH AN AUTOMATIC FIRE ALARM SYSTEM?	□ YES □ NO			
BUILDING TO BE EQUIPPED WITH A MANUAL FIRE ALARM SYSTEM?	□ YES □ NO			
V. APPLICANT INFORMATION (NOTE: All correspondence will be sent to this addre	ss)			
Applicant is responsible for the payment of all fees and charges applicable to this application and must	· <u> </u>			
PRINT NAME	TELEPHONE NO.			
ADDRESS CITY	STATE ZIP CODE			
TABLESS OTT	SINIE ZII GODE			
I hereby certify that the proposed work is authorized by the owner of record and that i have been authorized by the owner to make this application as his authorized agent and we agree to conform to all applicable laws of the State of Michigan. All information submitted on this application is accurate to the best of my knowledge.  SECTION 23a OF THE STATE CONSTRUCTION CODE ACT OF 1972, 1972 PA 230, MCL 125.15239, PROHIBITS A PERSON FROM CONSPIRING TO CIRCUMVENT THE LICENSING REQUIREMENTS OF THIS STATE RELATING TO PERSONS WHO ARE TO PERFORM WORK ON A RESIDENTIAL BUILDING OR A RESIDENTIAL STRUCTURE. VIOLATORS OF SECTION 23a ARE SUBJECT TO CIVIL FINES.				
Date Signature of Applicant				



### RESIDENTIAL BUILDING PERMIT REQUIREMENTS

**CITY OF NOVI** 

Community Development Department (248) 347-0415

### STEP 1 ARCHITECTURAL REVIEW

Submit one set of building construction drawings for review under Novi Ordinance No. 83-18.132 and 83-18.14. (May be one of the three sets required for building review below.)

83-18.13 ... single family dwellings shall not be grossly dissimilar to....dwellings...in surrounding areas.

83-18.14 ... to establish a variation in appearance...single family dwellings shall not be substantially similar to an immediately adjacent...dwelling.

### STEP 2 BUILDING CONSTRUCTION PLAN REVIEW

A. Completed Building Permit Application

If requested, the following items are to be submitted when applying,

- 1. Sanitary system approval from Oakland County Health Department
- 2. Proof of Ownership
- 3. MDEQ approval if property lies in floodplain (Act 346 Oakland County)
- 4. Approval of electric, telephone, and gas companies.

### B. Submittals:

- 1. **Three (3) sets** of Building Plans. Identify proposed elevation and options to be used and have signed by <u>subdivision association</u> if required. Homes that are <u>calculated</u> 3,500 square feet or greater (habitable) must be sealed by registered architect or engineer, licensed in the State of Michigan. <u>Builder to provide calculations to verify square footage.</u>
- 2. **Three (3) sets** of heating/cooling plans if heating & cooling system are greater than 375,000 Btu's. (Signed & Sealed, Act 299)
- 3. **Three (3) sets** of plumbing plans when the **calculated** square foot is greater than 3,500 square feet of habitable space (Signed & Sealed)
- 4. **Three (3) sets** of electrical drawings when the electrical system is greater than 400 amps & the **calculated** square foot is greater than 3,500 square feet of habitable space (Signed & Sealed)
- 5. **Three (3) sets** of completed Michigan Uniform Energy Code 2009 worksheets with MANUAL J Worksheet (HVAC calculations).
- 6. Three (3) sets of truss layouts showing all bearing points and girder truss locations.
- 7. Soil Borings, if poor soils.
  - 8. Foundation Plan must indicate where brick ledges step up or down and that distance noted in feet and inches from top of foundation wall to the top of brick ledge. Also required is the actual finish grade at the corners of the structure. Check Land Improvement Plan for grades.
  - 9. The dimensions from top of basement slab to bottom of floor joist must be shown on the wall section as well as the dimension from finish floor to the top of footing.

NOTE: Special Inspections by ordinance will be required regarding items six (6) and seven (7) above. See list of required inspections.

Heating, plumbing and electrical plans are reviewed by the respective City Inspectors.

### STEP 3 LAND IMPROVEMENT REVIEW

- A. Land Improvement Permit Application and Checklist Completed
- B. Submit **eight** (8) sets of plot plans meeting all the requirements of the grading plan checklist and also specify the proposed elevations of footings and brick ledges.
- C. Woodland Affidavit also, if the property **does** contain woodlands an additional fee will be required at time of submittal.
- D. Wetland Affidavit also, if the property **does** contain woodlands an additional fee will be required at time of submittal.
- E. SOIL EROSION PERMIT required if the actual earth disruption exceeds one acre and/or disruption occurs within 500 feet of any lake or stream.
- F. FLOODPLAIN PERMIT Required for building within a floodplain (See requirement for building within a Flood Plain area).
- G. Upon approval, the applicant must submit one (1) set of reproducible mylars of the approved grading plan if the plan submitted exceeds 8-1/2 x 14 inches.

### □ <u>STEP 4</u> <u>PRIOR TO ISSUANCE OF BUILDING PERMIT</u> - It must be ascertained:

- A. That the property is properly recorded in the Assessing Department and all property splits are in compliance with the Zoning Ordinance 75-18, as amended.
- B. If the proper permits have been obtained for connection to the water and sewer system Ordinances 77-37 and 71-28, as amended.

Pay all remaining fees and pick up Building Permit (upon completion of all reviews).

FEE - a combination of all remaining charges including: base permit, building plan review, utility reviews, water & sewer, staking, damper, brick ledge, and administrative fee.

### MINIMUM DRAWING REQUIREMENTS

All drawings shall be to scale; not less than 1/8" = 1'0"

All unique revisions to a standard design shall be clearly drawn to scale in a draftsman-like manner on all affected reviews. All such revisions shall be made on the original drawings prior to printing; penciled-in revisions, notes or other original markings on prints shall not be accepted.

Drawing sets shall consist of a single sheet size, not larger than 24" x 36", neatly and securely bound at the left margin.

Where alternate front elevations are provided, the selected elevation shall be clearly identified by crossing out unused elevations on original drawing prior to printing. Partial front elevations will not be accepted due to the similar/dissimilar review.

All framing members - including rafters, joists, beams, and headers with a span of 3'-0" or greater, shall be clearly indicated as to size, span, and location.

### **REVISIONS AFTER APPROVAL**

All revisions to the building after issuance of the Building Permit shall require resubmittal and approval. Such revisions shall conform to minimum drawing requirement above; except that when such revisions are deemed minor by the Building Official, written notification of the revision may be sufficient.

IF ALL PLANS ARE CORRECT AND APPROVED - THIS PROCESS TAKES APPROXIMATELY 4-6 WEEKS FROM THE TIME OF COMPLETE SUBMITTAL.

#### FEES AT THE TIME OF SUBMITTAL ARE:

**Building Plan Review Fee - \$455.50** 

• The fee of \$455.50 is to be included at the time of submittal. The fee includes the initial review

for residential code compliance, land improvement, Similar / Dissimilar Ordinance and application fee.

- o Land improvement Review Plot Plan showing location of house on lot including septic tank, field, well, woodlands, wetlands, and floodplain.
- Similar/Dissimilar Review The City Consultant compares submitted house plans to other homes in the area for similar appearance to fit into that area. Also compared so as to not be exactly the same as next door.
- Minor Land Improvement Permit required when you are building on property.
   Woodland Review Fee (if required) \$402.50
   Wetland Review Fee (if required) \$402.50

\*Please note – **One** (1) **set** of truss specifications must be provided on-site with the approved plans at the time of rough building inspection. The specifications must be signed and sealed by a Michigan engineer (No Photocopies – Original seal and signature required). Once the rough building inspection is completed the building inspector will take a copy of these specifications to the Community Development Department for our records.



### MICHIGAN UNIFORM ENERGY CODE WORKSHEET

### COMMUNITY DEVELOPMENT DEPARTMENT

45175 W. Ten Mile Rd. Novi, Michigan 48375 (248) 347-0415

Job Address:			Subi	Submitted by:		
Builder:			Pho	ne number:		
Check meth	Check method of Compliance: Prescriptive				Systems Approach:	_
NOTE: SY	STEMS AP	PROACH METHOD F	REQUIRES AN E	NERGY ANALY	SIS COMPARISON REPORT	
1.	Gross area	of exterior walls in squar	re feet			
2.	Square feet	of fenestration openings				
3.	Percent of f	enestration exterior wall	openings			
4.		on opening exceeds 20% will be used for complian	-	vall area, indicate	the specific trade-off	
5.		percentage of exposed be square feet of gross area		(square feet of exp	posed basement wall	
6.		"R" value and type of in the gross area of exterior		for use on baseme	nt walls exposed more	
7.	windows, do	umentation for certified oors, and skylights. In a o not exceed .37 cfm of a 1.56 p.s.f. (25 mph) usin	ddition, submit ma ir leakage per linea	nufacturer's verific l feet of sash cracl	cation that fenestration	
8.	Indicate pro	pposed insulation (includ	e "R" value and thi	ckness)		
	Walls Ceilings Floors			ted slabs eated slabs		_
9.		nspection, the insulation hat list the following info		ide a certificate fo	r blown-in or sprayed	
	a. b. c. d.	the initial thickness the settling thickness the coverage area the number of bags used	d			



# LAND IMPROVEMENT PERMIT APPLICATION

### **CITY OF NOVI**

# Community Development Department (248) 347-0415

and a manual B		Date:	
Address:			
Subdivision:		Lot No:	
Parcel No.:	Area of Pa	arcel or Lot:	Acres
Type of Development:	Residential	Commercial	Industrial
Owner:			
Phone Number: ( )	Fax Numb	per: ( )	
Address:		City:	
Builder:			
Phone Number: ( )	Fax Numb	per: ( )	
Address:		City:	
E-mail address:			
Improvement Gradin the applicant shall su	s shall be submitted with ear The plan submitted shall be g Plan Requirement Check bmit one (1) set of reprodug Plan. The fee to be submit one submit one to be submit one submi	e prepared in accord list. Upon approval cible mylars along v	lance with the Land of the Grading Plan, with five (6) blue-line
The undersigned hereby mak Ordinance No. 82-103 "City			in accordance with
Applicant or Authorized Age	ent:		
Date:			



# CITY OF NOVI

45175 W. Ten Mile Road, Novi, Michigan 48375

### LAND IMPROVEMENT PLOT PLAN CHECKLIST

	Develo	pm	ent Name:	
		Lo	ot Number:	
			Address:	
	Do	ate	Reviewed:	,
1.4				
he checklis	t below summ	narize	es the requirements contained in the City of Novi's Code of Ordinances. More	
			- Design and Construction Standards; Chapter 12 - Drainage and Flood Damage	
reveniion, c	and Chapter	32 <b>-</b> 3	Subdivision of Land.	
				75 00 11 3
Note: Indica	te N/A it the it	tem d	does not apply to this lot; otherwise all items must be shown on the plan.	(For City Use)
		1		CITY
Shown	N/A		T	APPROVAL
		] 1.	Grading plans shall be presented on paper measuring 11"x17"; 8 1/2"x14" or 8 1/2"x11" whichever is appropriate for the size of the lot proposed for improvement.	
			A sheet size of 24"x36" will only be allowed if given prior approval by the City.	
		2.	Certification - Plans shall be prepared, signed and sealed by a State of Michigan	
			registered Civil Engineer, Land Surveyor, or Architect.	
		3.	Scale shall be minimum 1" = 20'; maximum shall be 1" = 40'. Scale allowance for	
			larger lots will be determined by the City Engineer.	
		4.	North arrow.	
		5.	Site benchmark based on official City of Novi Benchmark System (NAVD88),	
			located and depicted on or within 100 feet of the site.	
		6.	Name, address, and phone number of the person or company who prepared the plan and the owner of the parcel to be improved.	
		7.	Legal description of the parcel. Also, depicting found or set Irons for property	
		, ,	corners.	
		8.	Street with name and nearest cross-streets on either side.	
		9.	Location and dimensions of all proposed and existing structures and proposed	
			setbacks from all property lines consistent with the Zoning Ordinance.	
		10	Lot lines with dimensions and bearings. Parcel shall close.	
		11.	Street right-of-way width and labeled as "Public", "Proposed Public", or "Private",	
			matching the approved site plan, subdivision plat or Master Deed.	
		12.	All existing and proposed utility structures, including overhead electrical, telephone and communication cables to include distance from finished grade to	
			any existing overhead lines. If any overhead lines exist within thirty (30) feet of a	
			bullding, plans should be submitted to the appropriate utility company for review	
		'	and comment prior to submittal ot the Land Improvement Permit.	

### CITY OF NOVI LAND IMPROVEMENT PLOT PLAN CHECKLIST

	<ol> <li>Location, size, and type of existing water, sanitary and si appurtenances and associated easements for public in</li> </ol>	
	14. Location, size, slope and material of proposed water ser Copper or HDPE SDR-9), sanitary sewer lead (6" SDR 23.5 line (min. 4" Schedule-40). Sump pump discharge line sh existing storm sewer structures, where available. (If know stubs).	), and sump discharge all be connected to
	15. Private sewerage disposal system or location of private v	vater source (well).
	16. Existing and proposed ditches and culverts with detailed	grading and flow arrows.
	17. All existing and proposed buildings and their addresses to be improved; including adjacent finished grades. Show adjacent lot is complete.	the state of the s
	18. Size, type, and location of existing trees. Note which tree those, which will remain, matching the approved Site Pk regulated woodland line.	
	19. Identify the location and elevation of the regulated 100- boundaries pursuant to Chapter 12, Article IV of the Nov 100-year Floodplain is within the limits of the proposed lo modified, a Floodplain Use Permit is required.	i Code of Ordinances. If
	20. The location of regulated wetlands or watercourse, the l wetland/watercourse setback and any disturbances pur Article V of the Novi Code of Ordinances, matching the	suant to Chapter 12,
	<ol> <li>The location of siltation fencing, gravel access drive, red and any other temporary or permanent measures as sho Erosion Control Plan.</li> </ol>	
	22. Existing and proposed elevations at the following location	ns:
	a. Finish grades for all castings and hydrants.	
	b. Proposed grades conforming to the developments Appr Plan.	oved Master Grading
	<ul> <li>Existing topography including existing ground elevations intervals, extending a minimum of 50 feet past the lot bo contours at two (2) foot minimum height intervals are red</li> </ul>	undaries. Elevation
	<ul> <li>Road edges and centerline at 50-foot intervals at all low points of cuvature and tangency, and adjacent to lot co</li> </ul>	
	e. Top of curb or shoulder opposite each front lot corner (a corner lots) to hundredths of a foot.	nd side lot corner for
	f. Proposed finish grade(s) and top of footing(s) clearly sho	wn.
	g. Each lot corner (front and rear), side lot, and all high poi to the nearest tenth of a foot.	nts and ridge lines shown
	h. Drainage arrows for proposed drainage.	
	i. Whenever swales for lot drainage are called for on the p shall be required at the high point adjacent to the house along the swale, and at the side yard even with the front house. Clearly label swales.	e, at 50-foot intervals
	j. Retaining wall(s) labeled with top and bottom grades. Co of Novi Building Code shall be noted on the plan. Buildin height is greater than 48".	g Permit required is wall
	k. The high point of the swale, located a minimum of 10 fee be 1/2 foot below the proposed finish ground elevation of	

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### CITY OF NOVI LAND IMPROVEMENT PLOT PLAN CHECKLIST

	I. All swales are located a minimum of 10 feet from the house.	
	m. Ground slope and swales shall be a minimum 5% for a minimum distance of 10 feet from the building and 2% minimum and maximum 25% any other part of the site.	
	n. A building shall not be set below the crown of the road on which it fronts.	
	A minimum of 6/10 foot of a vertical drop shall be provided from the front (and side on corner lots) property line to the top of the curb.	
	p. The maximum side slopes of landscape berms shall be 33%. A five (5) foot wide flat area on top shall be provided.	
	q. The designation of trees or groups of trees to be saved under the Woodlands Protection Ordinance does not exempt such areas from drainage, slope, and other Site Design Construction contained in Section 11-143, 144.	
	r. In general, the lot shall drain from the front of the house to the street and the rear of the house to the rear of the lot.	
	s. Whenever the lot is graded toward the rear, a drainage structure must be provided on the lot or the immediately adjacent lot.	
	t. Drainage on the lot must be self-contained unless specific drainage easements are provided.	
	23. Driveways	
	a. Maximum slope of any portion of driveway shall be 10%. Maximum cross-slope of the sidewalk through the driveway is 2%.	
	b. Maximum cross-slope for side entrance drive aprons shall be 4%.	
	c. The driveway shall not interfere with the side or front yard drainage.	
	d. Edge of drive shall be offset a minimum of three (3) feet from side lot line.	
	e. Show location, width, and materials for proposed drive(s).	
	f. Number of drives shown is consistent with Section 11-216(e) of the Code.	
	g. Dimensions of drive are shown per Table IX.10 of the Code. Variance(s) from the dimensions listed below will require approval from the City Engineer.	
	Intersecting angle is 90 degrees from the street.	
	Driveway width shall be standard sixteen (16) feet, within the right-of-way. Where a side entrance garage is proposed there shall be a minimum approach to garage entrance of twenty-two (22) feet (perpendicular to garage).	
	Entering and exiting tapers are shown along with standard three (3) foot width at the street.	
	Taper depth shall be standard ten (10) feet in length.	
	Total drive opening shall be standard twenty-two (22) feet wide at the back of curb.	
	h. Driveways to paved roads should be paved between the edge of the pavement and the existing sidewalk. If there is not an existing sidewalk, the surfacing should extend from the edge of the pavement to a point thirty (30) feet from the edge of the pavement.	
	i. When the road is unpaved, residential driveways may be surfaced with stabilized gravel or if driveways are paved, the paving shall extend no closer to the street than five (5) feet from the edge of the road.	
	j. Driveways shall be concrete or asphalt in the right-of-way. No pavers or stamped-concrete allowed in the right-of-way.	

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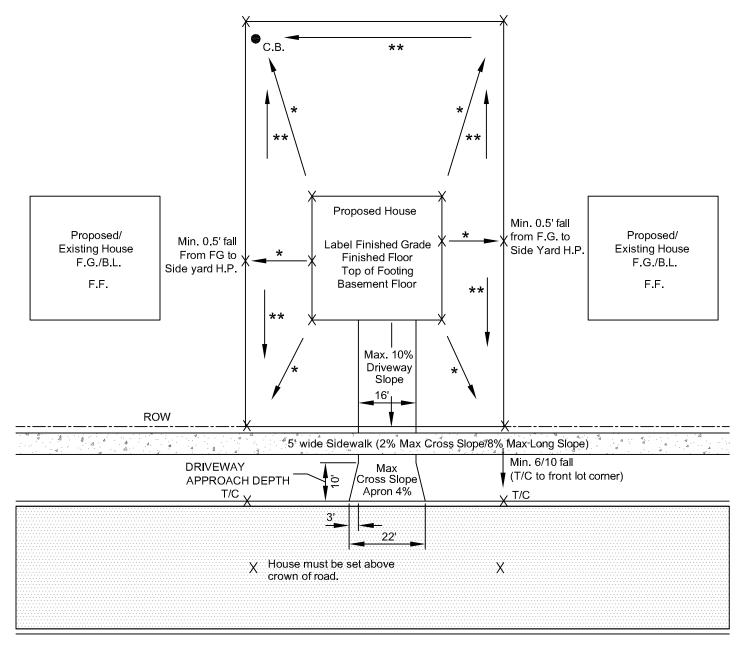
### CITY OF NOVI LAND IMPROVEMENT PLOT PLAN CHECKLIST

	24. Sidewalks	-
	a. Verify width, type and location of proposed sidewalk or pathway is consistent with the Master Plan.	
	b. Sidewalk cross-section (typical) shall be provided. Standard cross-section shall be 4" thick of 4000 psi concrete (6" thick through residential drives and ramps; 8" thick through commerical/industrial drives) over 6" thick of 21 AA crushed limestone meeting MDOT gradation specifications. The stone base shall be extended a minimum of 6" beyond the forms. No sand allowed.	
	c. Sidewalks must be constructed according to Americans with Disabilities Act (ADA) standards.	
	d. Maximum cross-slope of finished sidewalk is 2%.	
	e. Provide level landing at sidewalk ramps. Maximum landing slope in any direction is 2% (finished) and clearly labeled.	
	f. Show and label 24" deep detectable warning strip extending the width of the ramp at intersections of streets.	
	g. Longitudinal sidewalk slope (finished) should not exceed 5%-7% (8.3% maximum).	
	h. Provide grades ( <b>front and back</b> ) at driveways (each side), at 50-foot intervals, at high and low points, at points of curvature and tangency, and at lot lines. Clearly label maximum longitudinal slope and cross-slopes.	
	i. Provide curb drops (6" and 4" mountable curbs) for sidewalk ramps (no horizontal saw-cuts allowed).	
	j. Sidewalk material shall be concrete and continuous through the driveway.	
	25. Right-of-way and easement encroachments require a License Agreement. NOTE ON PLAN	

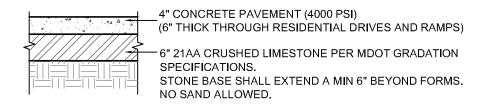
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# **GRADING TEMPLATE**

- \* Fall from B.L. shall be a min. 5% in the first 10' and min. 2% thereafter
- \*\* Rear and Side yard swale slopes shall be a min. 2%
- \*\*\* Maximum Slope on Site 25% (1 on 4)



### NOT TO SCALE



### SIDEWALK CROSS-SECTION



Permit No.: PSE	
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# SOIL EROSION AND SEDIMENTATION PERMIT APPLICATION FOR CONSTRUCTION OF A RESIDENTIAL LOT OR SEAWALL

### ORDINANCE 77-82 CHAPTER 29, ARTICLE II, OF THE NOVI CODE COMMUNITY DEVELOPMENT DEPARTMENT 45175 TEN MILE ROAD NOVI, MI 48375

1.	Property Address:				
	Lot ,				_ Subdivision
	Sidwell Number: 50-22-				
	Nearest Major Crossroads:				
2.	Owner's Name:				
	Address:				
	City:	_ State: .		Zip Code:	
	Cell Phone Number:		Fax Numb	oer:	
	Email Address:				
	Builder's Name:				
	Address:				
	City:	_ State: .		Zip Code:	
	Cell Phone Number:		Fax Numb	oer:	
	Email Address:				

Revision Date: 01-19-17

	On-site responsible person (Name):
	Company name:
	Address:
	City: State: Zip Code:
	Cell Phone Number: Fax Number:
	Email Address:
3.	Type of Construction (Check):
	Single Family Residence
	Seawall
4.	Area of Parcel (Acres):
5.	Area of Earth Disruption (Acres):
6.	Is the lot within 500 feet of a Lake, Stream, or Regulated Wetland?:
	Linear Distance (ft.) from site to nearest Lake, Stream, or Regulated
	Wetland:
7.	Will the project include any work or disruption within a Lake, Stream, or
	Wetland? (dredging, stream relocation, wetland fill, etc.) Yes No
	If yes, has a wetland permit application been submitted to the Building
	Department? Yes No
8.	Will the project include any work or disruption within a floodplain?
	(placement of fill, structure installations, etc.) Yes No
	If yes, has a floodplain permit application been submitted to the Building
	Department? Yes No

9.	If co	nstru	cting a seawall, a Department of Environmental Quality Permit is
	requ	uired.	Contact the DEQ at their Warren office - 586-753-3700. A copy
	of th	ne pe	rmit must be included with this application.
10.	Anti	cipat	ed Construction Starting Date:
11.	Anti	cipat	ed Construction Completion Date:
ALL A	PPLIC.	ATION	IS FOR SOIL EROSION PERMITS MUST INCLUDE:
	_ a.	Rea	ading application carefully and filling out completely.
	_ b.	Per	mit fee: \$155.25 (\$135 plus 15% administration fee)
		Ма	ke check payable to the City of Novi
		The	e application and plans will not be reviewed until this fee is paid.
	_ C.	Fou	ur (4) sets of plans showing all applicable erosion control measures.
		i.	Grading plans shall be presented on paper measuring 11"x17"; 8
			1/2"x14" or 8 1/2"x11" whichever is appropriate for the size of the lot
			proposed for improvement.
		ii.	Show the location of siltation fencing, extending around the entire
			perimeter of the proposed disruption area.
		iii.	Provide the location of the gravel access drive, which must be
			constructed per the City of Novi Standard Details.
		iv.	All catch basins on the lot to be improved, or affected catch basins
			downstream from the lot must contain an inlet filter.
		٧.	A turbidity curtain must be provided if the homeowner is constructing
			a seawall.

Revision Date: 01-19-17

PLEASE NOTE – Work is not to start until the permit is approved and signed for. Please contact Kim Danowski at 248-762-7957 when soil erosion measures have been installed. Please contact Ordinance Enforcement at 248-735-5678 for final inspection when the project is complete.

If you have any additional questions please contact the Community Development Department at 248-347-0415.

Revision Date: 01-19-17



# **Community Development Department**

45175 Ten Mile Road Novi, MI 48375

SINGLE FAMILY HOME - STREET TREE REQUIREMENT

The City of Novi Landscape Standards (Zoning Ordinance Section 5.5.3.G) and the Landscape Design Manual (Section 2 - Table 3.a.(3)) require that all single family homes have deciduous canopy street trees placed along the right-of-way of the road(s) on which they are located, based on the lot's frontage.

The trees used must be deciduous canopy trees, with a minimum mature height of at least thirty (30) feet and a minimum canopy width of at least twenty (20) feet. At planting, they shall be at least 2.5" caliper in size. If overhead wires would present a conflict with mature deciduous canopy trees, deciduous subcanopy trees shall be used at a rate of 1.5 subcanopy trees per required canopy tree. Subcanopy trees should have a mature height of between fifteen (15) feet and twenty nine (29) feet and a minimum canopy width of eight (8) feet. Species from the attached Suggested Materials List should be used for the street trees. If a tree is planted that is not on the list it will not be accepted. Trees must be planted at least 10 feet away from the driveway and 10 feet away from utility structures (manholes, hydrants, catchbasins).

A financial guarantee of \$400 per required tree must be provided prior to issuance of the building permit for the house. Once the trees are planted the applicant should contact Rick Meader for an inspection (rmeader@cityofnovi.org). Once they are approved, 75% of the guarantee can be returned, with the remaining 25% (or a minimum of \$400) held as a maintenance guarantee for a 2-year maintenance period. This must be completed prior to issuance of the Certificate of Occupancy.

Two (2) years after approval of the trees, the homeowner may request a follow-up inspection by contacting Angie Sosnowski (asosnowski@cityofnovi.org) or Rick Meader. Per Ordinance, inspections will not be conducted from November 15<sup>th</sup> until April 15<sup>th</sup> (weather permitting). If the trees are found to be in good health at that time, the maintenance guarantee will be returned and the City will assume the responsibility for maintaining the trees.

If there are any further questions feel free to contact me.

Rick Meader

Landscape Architect

The Meader

Phone (248) 735-5621 Fax (248) 735-5600

		Plant	Interest/	Native to	Woodland Replace-	Street Tree	Growing	Nursery
Scientific Name	Common Name	Туре	Bloom Time	Michigan?	ment?	Class	Conditions	Туре
DECIDUOUS CANOPY TREES								
Acer nigrum	Black Maple	DC	SU/Fall	NOC	YES		SS	SP
Acer nigrum 'Greencolumn'	Black Maple	DC	SU/Fall	~	YES	SC	SS	CO
Acer platanoides	Norway Maple	DC	SU/Fall	EX	NO		SU	CO
Acer pseudoplatanus	Sycamore Maple	DC	SU/Fall	EX	NO		SU	CO
Acer rubrum	Red Maple	DC	SU/Fall	NOC	YES	RC	SU	CO
Acer rubrum 'Bowhall'	Bowhall Red Maple	DC	SU/Fall	~	YES	RC	SU	CO
Acer rubrum 'Franksred'	Red Sunset Red Maple	DC	SU/Fall	~	YES	RC	SU	CO
Acer rubrum tomentosum	Red Maple	DC	SU/Fall	~	YES		SU	SP
Acer rubrum trilobum	Red Maple	DC	SP/SU/FA	~	YES		SU	SP
Acer saccharum	Sugar Maple	DC	SU/Fall	NOC	YES		SU	CO
Acer saccharum 'Commemoration'	Sugar Maple	DC	SU/Fall	~	YES	RC	SU	CO
Acer saccharum 'Green Mountain'	Sugar Maple	DC	SU/Fall	~	YES	RC	SU	CO
Aesculus glabra	Ohio Buckeye	DC	SU/Fall	NOC	YES		SH	CO
Aesculus hippocastanum	Horsechestnut	DC	Spring/SU	EX	NO	SC	SS	SP
Betula alleghaniensis	Yellow Birch	DC	SU/Winter	NOC	YES	PR	WT	SP
Betula nigra	River Birch	DC	SU/Winter	NU	NO		WT	CO
Betula papyrifera	Canoe Birch	DC	SU/Winter	NOC	YES		SU	CO
Carya cordiformis	Bitternut Hickory	DC	SU/Fall	NOC	YES		SU	SP
Carya glabra	Pignut Hickory	DC	SU/Fall	NOC	YES		SU	SP
Carya laciniosa	Big Shellbark Hickory	DC	SU/Fall	NOC	YES		SU	SP
Carya ovata	Shagbark Hickory	DC	SU/Winter	NOC	YES	DO	SU	SP
Celtis occidentalis	Hackberry	DC	Summer	NOC	YES	RC	SU	CO
Cladrastis lutea	Yellowwood	DC	Spring/SU	NU	NO	SC	SU	CO
Fagus grandifolia	American Beech	DC	SU/Winter	NOC	YES		SH SU	CO
Fagus sylvatica	European Beech	DC DC	SU/Winter	EX EX	NO NO	RC	SU	CO
Ginkgo biloba (male)	Ginkgo	DC	Summer Summer	EX	NO	RC	SU	CO
Ginkgo biloba 'Autumn Gold'	Ginkgo	DC					SU	CO
Ginkgo biloba 'Magyar' Gleditsia triacanthos	Ginkgo	DC	Summer Summer	EX NOC	NO YES	RC	SU	SP
Gleditsia triacanthos inermis	Honeylocust Thornless Honeylocust	DC	Summer	~	YES	RC	SU	CO
Gleditsia triacanthos 'Skyline'	Honeylocust	DC	Summer	~	YES	RC	SU	CO
Gymnocladus dioicus	Kentucky Coffeetree	DC	SU/Winter	NS	YES	SC	SS	CO
Juglans cinerea	Butternut	DC	Summer	NOC	YES	- 00	SU	CO
Juglans nigra	Black Walnut	DC	Summer	NOC	YES		SU	SP
Liquidambar styraciflua	Sweetgum	DC	SU/Fall	NU	NO		SU	CO
Liriodendron tulipifera	Tuliptree	DC	SU/Fall	NOC	YES	RC	SS	CO
Nyssa sylvatica	Tupelo	DC	SU/Fall	NOC	YES	SC	SU	CO
Platanus acerifolia 'Columbia'	Columbia Planetree	DC	Summer	EX	NO	SC	SS	CO
Platanus occidentalis	American Sycamore	DC	Summer	NOC	YES	SC	SS	SP
Prunus serotina	Black Cherry	DC	Fall	NOC	YES		SU	SP
Quercus alba	White Oak	DC	Summer	NOC	YES		SU	CO
Quercus bicolor	Swamp White Oak	DC	Summer	NOC	YES	RC	SU	SP
Quercus coccinea	Scarlet Oak	DC	Summer	NOC	YES		SU	SP
Quercus ellipsoidalis	Hill's Oak	DC	SU/Fall	NS	YES		SU	SP
Quercus imbricaria	Shingle Oak	DC	Summer	NS	YES		SU	SP
Quercus macrocarpa	Bur Oak	DC	Summer	NOC	YES	RC	SU	CO
Quercus muehlenbergii	Chinkapin Oak	DC	Summer	NOC	YES		SU	SP
Quercus prinus	Chestnut Oak	DC	Summer	NU	NO		SU	SP
Quercus robur	English Oak	DC	Summer	EX	NO	SC	SU	CO
Quercus robur 'Skymaster'	English Oak	DC	SU/Fall	EX	NO	SC	SU	CO
Quercus rubra	Red Oak	DC	Summer	NOC	YES	RC	SU	CO
Quercus velutina	Black Oak	DC	Summer	NOC	YES	50	SU	SP
Sophora japonica	Pagoda Tree	DC	Spring/SU	EX	NO	RC	SU	SP
Tilia americana	American Basswood	DC	Summer	NOC	YES	RC	SS	CO
Tilia cordata	Little Leaf Linden	DC	Summer	EX	NO	RC	SU	CO
Tilia cordata 'Chancellor'	Little Leaf Linden	DC	Summer	EX	NO	RC	SU	CO
Tilia cordata 'Corzam'	Little Leaf Linden	DC	Summer	EX	NO	RC	SU	CO
Tilia cordata 'Greenspire'	Little Leaf Linden	DC	Summer	EX	NO	RC	SU	CO
Tilia platyphyllos	Large-leaf Linden	DC	SU/Fall	EX	NO	RC	SU	
Tilia tomentosa	Silver Linden	DC	Summer	EX	NO	RC	SU	CO

Scientific Name	Common Name	Plant Type	Interest/ Bloom Time	Native to Michigan?	Woodland Replace- ment?	Street Tree Class	Growing Conditions	Nursery Type
Tilia x euchlora 'Laurelhurst'	Crimean Linden	DC	Summer	EX	NO		SU	
Zelkova serrata	Zelkova	DC	Summer	EX	NO	SC	SU	СО
CONIFEROUS TREES - see Section 37	7-8 for woodland replacement ratio							
Abies balsamea	Balsam Fir	LE	Winter	NU	YES	PR	SS	CO
Abies concolor	Concolor Fir	LE	Winter	NU	NO	PR	SU	CO
Larix laricina	Tamarack	LE	Fall	NOC	YES		WT	SP
Metasequoia glyptostroboides	Dawn Redwood	LE	SU/Fall	EX	NO		SU	С
Picea abies	Norway Spruce	LE	Winter	EX	NO	PR	SU	CO
Picea pungens	Colorado Spruce	LE	Winter	NU	NO	PR	SU	CO
Picea glauca	White Spruce	LE	Winter	NS	YES	PR	SU	CO
Picea mariana	Black Spruce	LE	Winter	NOC	YES	PR	SU	SP
Picea omorika	Serbian Spruce	LE	Winter	EX	NO	PR	SU	CO
Pinus nigra	Austrian Pine	LE	Winter	EX	NO	PR	SU	CO
Pinus resinosa	Red Pine	LE	Winter	NU	YES	PR	SU	CO
Pinus strobus	White Pine	LE	Winter	NOC	YES	PR	SU	CO
Pinus sylvestris	Scotch Pine	LE	Winter	EX	NO	PR	SU	CO
Pseudotsuga menziesii	Douglas Fir	LE	Winter	NU	NO	PR	SS	CO
Taxodium distichum	Bald Cypress	LE	SU/Winter	NU	NO		WT	CO
Tsuga canadensis	Canada Hemlock	LE	Winter	NOC	YES	PR	SS	CO
UPRIGHT EVERGREENS - see Section	37-8 for woodland replacement rat	ios						
Juniperus virginiana	Eastern Red Cedar	UE	Winter	NOC	YES	~	SU	CO
Thuja occidentalis	Arborvitae	UE	Winter	NOC	YES	~	SS	CO
DECIDUOUS SUBCANOPY TREES - se	ee Section 37.8 for woodland replac	ement ra	tios					
Acer campestre	Hedge Maple	DS	Summer	EX	NO	SC	SU	СО
Acer campestre 'Queen Elizabeth'	Hedge Maple	DS	Fall	EX	МО	UO	SU	CO
Acer ginnala	Amur Maple	DS	Fall	EX	NO		SU	СО
Acer griseum	Paperbark Maple	DS	Winter	EX	NO	SC	SU	CO
Acer pensylvanicum	Striped Maple	DS	Fall	NU	YES		SH	SP
Acer spicatum	Mountain Maple	DS	Fall	NOC	YES		SH	SP
Alnus rugosa	Speckled Alder	DS	Fall	NOC	YES	PR	WT	SP
Amelanchier xAutumn Brilliance	Serviceberry	DS	Spring	~	YES	UO	SS	CO
Asimina triloba	Paw Paw	DS	Fall	NOC	YES	PR	SH	SP
Carpinus betulus	European Hornbeam	DS	Winter	EX	NO	UO	SS	CO
Carpinus caroliniana	American Hornbeam	DS	Summer	NOC	YES		SS	CO
Cercis canadensis	Eastern Redbud	DS	Spring	NS	YES		SS	CP
Chionanthus virginicus	Fringetree	DS	Spring	NU	NO		SU	CO
Cornus alternifolia	Alternate-Leaved Dogwood	DS	Summer	NOC	YES	~	SS	СО
Cornus florida	Flowering Dogwood	DS	Spring	NOC	YES	PR	SS	CO
Cornus kousa	Japanese Dogwood	DS	Spring	EX	NO	UO	SS	CO
Cornus mas	Corneliancherry Dogwood	DS	Spring	EX	NO	UO	SS	СО
Crataegus crus-galli inermis	Cockspur Hawthorn	DS	Winter	~	YES	UO		CO
Crataegus phaenopyrum	Washington Hawthorn	DS	Winter	NU	NO	SC		CO
Koelreuteria paniculata	Golden-Rain Tree	DS		EX	NO	SC		CO
Magnolia stellata	Star Magnolia	DS	Spring	NU	NO			CO
Malus hybrids	Flowering Crabapple	DS	Spring	~	NO	UO	SU	CO
Ostrya virginiana	Hophornbeam	DS	Summer	NOC	YES		SS	CO
Ptelea trifoliata	Wafer-Ash	DS	Fall	NOC	YES	SC	SU	SP
LARGE SHRUBS - see Section 37-8 fo	r woodland replacement ratio							
Amelanchier alnifolia	Saskatoon Serviceberry	SL	Spring	NU	NO	~	SS	SP
Amelanchier arborea	Juneberry	SL	Spring	NOC	YES	~	SS	SP
Amelanchier canadensis	Shadblow	SL/DS	Spring	NU	NO	~	SS	CO
Amelanchier laevis	Shadbush	SL/DS	Spring	NOC	YES	~	SS	CO
Aronia melanocarpa (prunifolia)	Black Chokecherry	SS	Summer	NOC	YES	~	SS	CO
Betula pumila	Dwarf Birch	SL	Winter	NOC	YES	~	SU	SP
Calycanthus floridus	Strawberry-Shrub	SL	Summer	NU	NO	~	SS	CO
Cephalanthus occidentalis	Buttonbush	SL	Summer	NOC	YES	~	WT	CO
Cornus amomum	Silky Dogwood	SL	Summer	NOC	YES	~	SS	CO
Cornus foemina	Gray Dogwood	SL	Spring	NOC	YES	~	SS	SP
Cornus rugosa	Round-Leaved Dogwood	SL	Summer	NOC	YES	~	SS	SP
					_	_		

Scientific Name	Common Name	Plant Type	Interest/ Bloom Time	Native to Michigan?	Woodland Replace- ment?	Street Tree Class	Growing Conditions	Nursery Type
Cornus stolonifera	Red Osier Dogwood	SL	Winter	NOC	YES	~	SS	CO
Corylus americana	American Hazelnut	SL	Fall	NOC	YES	~	SS	CO
Corylus cornuta	Beaked Hazelnut	SL	Spring	NS	YES	~	SS	SP
•		SL	Fall	EX	NO	~	SS	CO
Euonymus alatus	Burning Bush	SL	Spring	NU	NO	~	SS	CO
Fothergilla major	Large Fothergilla	SL		NU	NO		SS	CO
Hamamelis vernalis	Vernal Witchhazel		Spring			~		
Hamamelis virginiana	Witch-Hazel	SL	Winter	NOC	YES	~	SS	CO
Hibiscus syriacus	Rose-Of-Sharon	SL	Summer	EX	NO	~	SS	CO
llex opaca	American Holly	SL	Winter	NOC	NO	~	SS	CO
llex verticillata	Winterberry	SL	Fall	NOC	YES	~	SS	CO
Itea virginica	Virginia Willow	SL	Summer	NU	NO	~	SS	CO
Lindera benzoin	Spicebush	SL	Fall	NOC	YES	~	SS	CO
Physocarpus opulifolius	Common Ninebark	SL	Summer	NOC	YES	~	WT	CO
Rhus copallina	Dwarf Sumac	SL	Summer	NOC	YES	~	SU	SP
Rhus glabra	Smooth Sumac	SL	Summer	NOC	YES	~	SU	CO
Rhus typhina	Staghorn Sumac	SL	Summer	NOC	YES	~	SU	CO
Salix discolor	Pussy Willow	SL	Spring	NOC	YES	?	WT	CO
Sambucus canadensis	Common Elder	SL	Summer	NOC	YES	~	SU	CO
Sambucus racemosa (pubens)	Red-Berried Elder	SL	Winter	NOC	YES	~	SU	CO
Staphylea trifolia	Bladdernut	SL	Winter	NOC	YES		SH	SP
Syringa vulgaris	Lilac	SL	Spring	EX	NO	~	SU	CO
		SL	Spring	NOC	YES	~	SS	CO
Viburnum dentatum	Arrowwood	SL					SU	CO
Viburnum lantana	Wayfaring Tree		Spring	EX	NO	~		
Viburnum lentago	Nannyberry	SL	Spring	NOC	YES	~	SS	CO
Viburnum opulus	European High-Bush Cranberry	SL	Spring	EX	NO	~	SU	CO
Viburnum prunifolium	Black Haw	SL	Winter	NS	YES	~	SS	CO
Viburnum rafinesquianum	Downy Arrowwood	SL	Spring	NOC	YES	~	SS	SP
Viburnum trilobum	High-Bush Cranberry	SL	Spring	NOC	YES	~	SS	CO
SMALL SHRUBS - see Section 37-8 fo	or woodland rankaamant ratios							
	•	SS	Summer	NU	NO		SU	СО
Arctostaphylos uva-ursi	Bearberry	SS		NOC	YES	~	SS	CO
Aronia melanocarpa (prunifolia)	Black Chokecherry	SS	Summer			~	SS	co
Berberis thunbergii	Japanese Barberry		Winter	EX	NO	~		
Chaenomeles japonica	Japanese Quince	SS	Spring	EX	NO	~	SU	CO
Comptonia peregrina	Sweet Fern	SS	Summer	NOC	YES	~	SS	CO
Euonymus fortunei	Climbing Euonymus	SS	Winter	EX	NO	~	SS	CO
Euonymus kiautschovicus	Climbing Euonymus	SS	Winter	EX	NO	~	SS	CO
Euonymus obovatus	Running Strawberry Bush	SS	Winter	NOC	YES	~	SS	SP
Fothergilla gardenii	Dwarf Fothergilla	SS	Spring	NU	NO	~	SS	CO
llex glabra	Inkberry	SS	Winter	NU	NO	~	SS	CO
Juniperus communis	Common Juniper	SS	Winter	NOC	YES	~	SU	CO
Juniperus horizontalis	Trailing Juniper	SS	Winter	NU	NO	~	SU	CO
Potentilla fruticosa	Bush Cinquefoil	SS	Summer	NOC	YES	~	SS	CO
Rhus aromatica	Fragrant Sumac	SS	Summer	NOC	YES	~	SU	CO
Taxus canadensis	Canada Yew	SS	Winter	NOC	YES	~	SH	SP
Viburnum acerifolium	Maple-Leaved Arrowwood	SS	Spring	NOC	YES	~	SS	SP
	·							
HERBACEOUS PLANTS - see Section	37-8 for woodland replacement rat	_						
Acorus calamus	Sweet-Flag	PG	Spring	NOC	YES	~	WT	SP
Actaea pachypoda	White Baneberry	PG	Summer	NOC	YES	~	SH	SP
Actaea rubra	Red Baneberry	PG	Summer	NOC	YES	?	SH	SP
Adiantum pedatum	Maidenhair Fern	PG	Summer	NOC	YES	~	SH	SP
Aegopodium podagraria	Bishop's Weed	PG	Summer	EX	NO	2	SH	CO
Agastache nepetoides	Yellow Giant Hyssop	PG	Summer	NOC	YES	~	SS	SP
Agrimonia gryposepala	Tall Agrimony	PG	Summer	NOC	YES	~	SH	SP
Agrimonia parviflora	Swamp Agrimony	PG	Summer	NOC	YES	~	SS	SP
Ajuga reptans	Bugleweed	PG	Summer	EX	NO	~	SS	CO
	Hollyhock	PG	Summer	EX	NO		SU	CP
Allium cernum	Nodding Wild Onion	PG		NS	YES	~	SS	CO
Allium cernuum	-	_	Summer			~		
Allium schoenoprasum	Chives	PG	Summer	NU	YES	~	SU	CO
Allium tricoccum	Wild Leek	PG	Spring	NOC	YES	~	SH	UN
Amorpha canescens	Lead Plant	PG	Summer	NU	YES	~	SU	UN
Amphicarpaea bracteata	Hog Peanut	PG	Summer	NOC	YES		SS	SP

Scientific Name	Common Name	Plant Type	Interest/ Bloom Time	Native to Michigan?	Woodland Replace- ment?	Street Tree Class	Growing Conditions	Nursery Type
Amsonia tabernaemontana	Blue Star	PG	Summer	NU	NO	~	SS	CO
Andropogon gerardii	Big Bluestem	PG	Summer	NOC	YES	~	SU	SP
Andropogon scoparius	Little Bluestem	PG	Summer	NOC	YES	~	SU	SP
		PG	Summer	NS	YES	~	SU	SP
Andropogon virginicus	Broom Sedge	PG	Spring	NS	YES		SU	SP
Anemone canadensis	Meadow Anemone Prairie Thimbleweed	PG		NOC	YES	~ ~	SS	SP
Anemone cylindrica			Spring	NU	NO		SU	UN
Anemone patens	Pasque Flower	PG	Spring			~	SH	
Anemone virginiana	Thimbleweed	PG	Summer	NOC	YES	~	SH	SP SP
Anemonella thalictroides	Rue Anemone	PG	Spring	NOC	YES	~		
Angelica atropurpurea	Great Angelica	PG	Spring	NS	YES	~	SU	SP
Apocynum androsaemifolium	Spreading Dogbane	PG	Spring	NOC	YES	~	SS	SP
Aquilegia canadensis	Wild Columbine	PG	Spring	NOC	YES	~	SH	CP
Arisaema triphyllum	Jack-In-The-Pulpit	PG	Summer	NOC	YES	~	SH	CO
Aruncus dioicus	Goat's-Beard	PG	Summer	NU	NO	~	SS	CO
Asarum canadense	Wild Ginger	PG	Spring	NOC	YES	~	SH	CO
Asclepias exaltata	Poke Milkweed	PG	Summer	NOC	YES	~	SH	SP
Asclepias incarnata	Swamp Milkweed	PG	Summer	NOC	YES	~	WT	CO
Asclepias syriaca	Common Milkweed	PG	Summer	NOC	YES	~	SU	SP
Asclepias tuberosa	Butterfly Weed	PG	Summer	NOC	YES	~	SU	CO
Asclepias verticillata	Horsetail Milkweed	PG	Summer	NOC	YES	~	SU	SP
Aster cordifolius	Heart-Leaved Aster	PG	Fall	NOC	YES	?	SH	SP
Aster ericoides	Heath Aster	PG	Fall	NOC	YES	~	SU	SP
Aster laevis	Smooth Aster	PG	Fall	NOC	YES	~	SU	SP
Aster macrophyllus	Big-Leaved Aster	PG	Fall	NOC	YES	~	SH	UN
Aster novae-angliae	New England Aster	PG	Fall	NOC	YES	2	SS	CO
Aster novi-belgii	New Belgium Aster	PG	Fall	NU	NO	?	SU	CO
Aster oolentangiensis	Sky Blue Aster	PG	Fall	NOC	YES	~	SU	SP
Aster pilosus	Hairy Aster	PG	Fall	NOC	YES	~	SU	SP
Aster sagittifolius	Arrow Aster	PG	Fall	NOC	YES	~	SS	SP
Aster sericeus	Silky Aster	PG	Fall	NU	YES	2	SU	SP
Aster umbellatus	Flattop Aster	PG	Fall	NOC	YES	~	SU	SP
Athyrium filix-femina	Lady Fern	PG	Summer	NOC	YES	~	SH	CO
Aureolaria pedicularia	Annual False Foxglove	PG	Summer	NOC	YES	~	SS	SP
Baptisia australis	Blue Wild Indigo	PG	Summer	NU	NO	~	SU	CO
Baptisia leucophaea	Cream Wild Indigo	PG	Summer	NU	YES	~	SU	SP
Bouteloua curtipendula	Sideoats Grama	PG	Summer	NOC	YES		SU	SP
Bromus latiglumis	Vibrant Shade Grass	PG	Summer	NOC	YES		SH	SP
Calamagrostis canadensis	Blue Joint Grass	PG	Summer	NOC	YES		WT	SP
Calla palustris	Water Arum	PG	Spring	NOC	YES	~	WT	CO
Calopogon tuberosus	Grass Pink Orchid	PG	Spring	NOC	YES	~	WT	SP
1 0		PG	Spring	NOC	YES		WT	SP
Caltha palustris	Marsh-marigold	PG		EX	NO	~	SS	CO
Campanula glomerata	Clustered Bellflower		Spring		YES	~	SS	SP
Campanula rotundifolia	Bellflower	PG PG	Spring	NOC	IES	~	WT	SP
Carex sp.	Sedges		Spring	~ NOC	VEC			
Caulophyllum thalictroides	Blue Cohosh	PG	Summer	NOC	YES	~	SH	SP
Ceanothus americanus	New Jersey Tea	PG	Fall	NOC	YES	~	SU	CO
Chasmanthium latifolium	Sea Oats	PG	Summer	NU	YES	~	WT	CO
Chelone glabra	Turtlehead	PG	Fall	NOC	YES	~	SU	CO
Cimicifuga racemosa	Black Cohosh	PG	Fall	NS	NO	~	SH	CO
Cinna arundinacea	Common Wood Reed	PG	Summer	NOC	YES	~	WT	SP
Cirsium discolor	Pasture Thistle	PG	Summer	NOC	YES		SU	SP
Collinsonia canadensis	Citronella Horse Balm	PG	Summer	NOC	YES	~	SH	SP
Convallaria majalis	Lily Of The Valley	PG	Spring	EX	NO	~	SS	CO
Coreopsis grandiflora	Large-Flowered Coreopsis	PG	Fall	NU	NO	~	SU	CO
Coreopsis lanceolata	Sand Coreopsis	PG	Fall	NS	YES	~	SU	CO
Coreopsis palmata	Prairie Coreopsis	PG	Fall	NU	NO	~	SU	SP
Coreopsis tripteris	Tall Coreopsis	PG	Summer	NU	YES	~	SU	SP
Cornus canadensis	Bunchberry	PG	Fall	NOC	YES	~	SS	CO
Cryptotaenia canadensis	Honewort	PG	Summer	NOC	YES	~	SH	SP
Dennstaedtia punctilobula	Hay-Scented Fern	PG	Summer	NS	NO	?	SU	CO
Desmodium canadense	Showy Tick Trefoil	PG	Summer	NOC	YES	?	SS	SP
Desmodium glutinosum	Pointed-Leaved Tick-Trefoil	PG	Summer	NOC	YES	?	SH	SP
Dianthus deltoides	Maiden Pink	PG	Spring	EX	NO	?	SU	CO

						<u> </u>	T	
		Plant	Interest/	Native to	Woodland	Street Tree	Growing	Nurcory
Scientific Name	Common Name	Type	Bloom Time	Michigan?	Replace- ment?	Class	Growing Conditions	Nursery
					YES			Type SP
Dicentra cucullaria	Dutchman's Breeches	PG	Spring	NOC		~	SH	
Dicentra eximia	Wild Bleeding Heart	PG	Spring	NU	NO	~	SS	CO
Dodecatheon meadia	Shooting Star	PG	Spring	NS	NO	~	SS	SP
Dryopteris carthusiana	Spinulose Woodfern	PG	Spring	NOC	YES	~	SH	CO
Echinacea pallida	Pale Purple Coneflower	PG	Fall	NU	NO	~	SU	SP
Echinacea purpurea	Purple Coneflower	PG	Summer	NU	NO	~	SS	CO
Echinops sphaerocephalus	Globe Thistle	PG	Summer	EX	NO	~	SU	CO
Elymus canadensis	Canada Wild Rye	PG	Summer	NOC	YES	~	SS	SP
Elymus virginicus	Virginia Wild Rye	PG	Summer	NOC	YES	~	SS	SP
Eragrostis spectabilis	Purple Love Grass	PG	Summer	NOC	YES	~	SU	SP
Eryngium yuccifolium	Rattlesnake Master	PG	Summer	NU	YES	~	SU	SP
Erythroniuim americanum	Yellow Trout Lily	PG	Spring	NOC	YES	~	SH	SP
Eupatorium maculatum	Joe Pye Weed	PG	Summer	NOC	YES	~	SU	CO
•	· · · · · · · · · · · · · · · · · · ·	PG	Summer	NOC	YES	~	WT	CO
Eupatorium perfoliatum	Common Boneset					~		
Eupatorium purpureum	Sweet-Smelling Joe Pye	PG	Summer	NOC	YES	~	SH	CO
Eupatorium rugosum	White Snakeroot	PG	Summer	NOC	YES	~	SH	CO
Euthamia graminifolia	Grass-Leaved Goldenrod	PG	Fall	NOC	YES	~	SU	SP
Filipendula rubra	Queen Of The Prairie	PG	Spring	NU	NO	~	SU	CO
Gaultheria procumbens	Wintergreen	PG	Winter	NOC	YES	~	SS	CO
Gentiana andrewsii	Closed Gentian	PG	Summer	NOC	YES	~	SU	SP
Geranium maculatum	Wild Geranium	PG	Spring	NOC	YES	~	SH	SP
Geranium sanguineum	Blood-Red Cranesbill	PG	Spring	EX	NO	~	SS	CO
Geum canadense	White Avens	PG	Spring	NOC	YES	~	SH	SP
Geum triflorum	Prairie Smoke	PG	Fall	NU	NO	~	SU	SP
Glyceria striata	Fowl Meadow (Manna) Grass	PG	Summer	NOC	YES	~	SS	WT
	, ,	PG	Summer	NOC	YES		SU	CO
Helenium autumnale	Sneezeweed					~		SP
Helianthus divaricatus	Woodland Sunflower	PG	Fall	NOC	YES	~	SU	
Helianthus occidentalis	Western (Or Naked) Sunflower	PG	Fall	NOC	YES	~	SU	SP
Helianthus strumosus	Pale-Leaved Sunflower	PG	Fall	NOC	YES	~	SU	SP
Heliopsis helianthoides	False Sunflower	PG	Fall	NOC	YES	~	SU	CO
Heracleum maximum	Cow Parsnip	PG	Summer	NOC	YES	~	WT	SP
Hibiscus moscheutos	Swamp Rose Mallow	PG	Spring	NOC	YES	~	SU	CO
Hosta lancifolia	Plantain Lily	PG	Summer	EX	NO	~	SS	CO
Hydrophyllum virginianum	Virginia Waterleaf	PG	Spring	NOC	YES	~	SH	SP
Hystrix patula	Bottlebrush Grass	PG	Summer	NOC	YES	~	SS	SP
Impatiens capensis	Spotted Touch-Me-Not	PG	Summer	NOC	YES	~	SH	SP
Iris germanica	Flag	PG	Spring	EX	NO	~	SU	CO
Iris pumila	Dwarf Iris	PG	Spring	EX	NO		SU	CO
		PG		NU	YES	~	WT	CO
Iris versicolor	Wild Blue Flag		Spring			~		
Iris virginica	Southern Blue Flag	PG	Spring	NOC	YES	~	WT	CO
Juncus effusus	Common Rush	PG	Spring	NOC	YES	~	WT	SP
Koehleria macrantha	June Grass	PG	Summer	NOC	YES	~	SU	SP
Kuhnia eupatorioides	False Boneset	PG	Summer	NU	NO	~	SU	SP
Lamium maculatum	Spotted Dead Nettle	PG	Summer	EX	NO	~	SU/SH	CO
Leersia oryzoides	Rice Cut Grass	PG	Summer	NOC	YES	~	WT	SP
Lespedeza capitata	Round Headed Bush Clover	PG	Summer	NOC	YES	~	SU	SP
Liatris aspera	Rough Blazing Star	PG	Summer	NOC	YES	~	SU	SP
Liatris cylindracea	Cylindrical Blazing Star	PG	Summer	NOC	YES	~	SU	SP
Liatris spicata	Spiked Blazing Star	PG	Summer	NOC	YES	~	SU	CO
Lilium michiganense	Michigan Lily	PG	Summer	NOC	YES	~	SS	SP
Lilium superbum	Superb Lily	PG	Summer	NU	NO	~	SU	CO
Liriope spicata	Lilyturf	PG	Summer	EX	NO	~	SU/SH	CO
· ·	•	PG		NOC	YES		SH	CO
Lobelia cardinalis	Cardinal Flower		Spring			~		
Lobelia siphilitica	Blue Cardinal-Flower	PG	Summer	NOC	YES	~	SU	SP
Lobelia spicata	Pale Spiked Lobelia	PG	Summer	NOC	YES	~	SU	SP
Lycopus americanus	Common Water Horehound	PG	Summer	NOC	YES	~	WT	SP
Lysimachia clethroides	White Loosestrife	PG	Summer	EX	NO	~	WT	CO
Lysimachia nummularia	Moneywort	PG	Fall	EX	NO	~	WT	CO
Lysimachia punctata	Dotted Loosestrife	PG	Summer	EX	NO	~	WT	CO
Matteuccia struthiopteris	Ostrich Fern	PG	Summer	NS	YES	~	SH	CO
Mentha canadensis	Wild Mint	PG	Summer	NOC	YES	~	SU	SP
Mertensia virginica	Virginia Bluebells	PG	Spring	NU	YES	~	SH	CO
<u>-</u>								

Scientific Name	Common Name	Plant Type	Interest/ Bloom Time	Native to Michigan?	Woodland Replace- ment?	Street Tree Class	Growing Conditions	Nursery Type
Milium effusum	Millet Grass	PG	Summer	NOC	YES	~	SH	SP
Mimulus ringens	Monkey Flower	PG	Summer	NOC	YES	~	SU	SP
Monarda didyma	Oswego Tea	PG	Summer	NS	NO	~	SU	CO
Monarda fistulosa	Wild Bergamot (Beebalm)	PG	Summer	NOC	YES	~	SS	SP
		PG	Summer	NOC	YES	~	SU	SP
Oenothera biennis	Common Evening Primrose	PG					SU	CO
Oenothera fruticosa	Shrubby Sundrops		Summer	NS	NO	~		
Oenothera speciosa	Showy Evening Primrose	PG	Summer	NS	NO	~	SU	CO
Onoclea sensibilis	Sensitive Fern	PG	Summer	NOC	YES	~	WT	SP
Osmorhiza claytonii	Hairy Sweet-Cicely	PG	Summer	NOC	YES	~	SH	SP
Osmunda cinnamomea	Cinnamon Fern	PG	Summer	NOC	YES	~	WT	CO
Panicum virgatum	Switch Grass	PG	Summer	NOC	YES	~	SU	CO
Parthenium integrifolium	Wild Quinine	PG	Summer	NU	NO	~	SU	SP
Peltandra virginica	Arrow Arum	PG	Summer	NOC	YES	~	WT	CO
Pennisetum alopecuroides	Fountain grass	PG	Summer	EX	NO	~	SU	CO
Penstemon digitalis	Foxglove Beardtongue	PG	Summer	NOC	YES	~	SS	CO
Penstemon hirsutus	Hairy Beardtongue	PG	Summer	NOC	YES	~	SU	SP
Phlox divaricata	Blue Phlox	PG	Spring	NOC	YES	~	SS	CO
Phlox paniculata	Garden Phlox	PG	Spring	NU	NO	~	SU	CO
Phlox subulata	Moss-Pink	PG	Spring	NU	~	~	SU	CO
Physostegia virginiana	Obedient Plant	PG	Summer	NS	YES	~	SS	CO
Phytolacca americana	Pokeweed	PG	Summer	NOC	YES	~	SH	SP
•		PG	Spring	NOC	YES	~	SH	SP
Podophyllum peltatum	Mayapple							SP
Polygonatum biflorum	Solomon's Seal	PG	Summer	NOC	YES	~	SH	
Polygonum virginianum	Jumpseed	PG	Summer	NOC	YES	~	SH	SP
Polystichum acrostichoides	Christmas Fern	PG	Winter	NOC	YES	~	SH	CO
Pontederia cordata	Pickerel Weed	PG	Summer	NOC	YES	~	WT	SP
Potentilla arguta	Prairie Cinquefoil	PG	Summer	NOC	YES	~	SU	SP
Prenanthes altissima	White Lettuce	PG	Summer	NOC	YES	~	SH	SP
Pycnanthemum virginianum	Mountain Mint	PG	Summer	NOC	YES	~	SU	SP
Ratibida pinnata	Grey-Headed Coneflower	PG	Summer	NS	YES	~	SU	SP
Rudbeckia fulgida	Orange Coneflower	PG	Summer	NOC	YES	~	SU	CO
Rudbeckia hirta	Black-Eyed Susan	PG	Summer	NOC	YES	~	SU	CO
Rudbeckia laciniata	Cut-Leaved Coneflower	PG	Summer	NOC	YES	~	SU	SP
Rudbeckia triloba	Brown-Eyed Susan	PG	Summer	NOC	YES	~	SU	CO
Sagittaria latifolia	Common Arrowhead	PG	Summer	NOC	YES	~	WT	CO
Salvia verticillata	Sage	PG	Summer	EX	NO	~	SU	CO
Sanguinaria canadensis	Bloodroot	PG	Summer	NOC	YES	~	SH	CO
Sanicula marilandica		PG	Summer	NOC	YES		SH	SP
	Black Snakeroot	PG	+	NOC	YES	~	WT	SP
Scirpus atrovirens	Dark Green Rush		Summer			~		
Scirpus validus	Great Bulrush	PG	Summer	NOC	YES	~	WT	SP
Silphium terebinthinaceum	Prairie Dock	PG	Summer	NOC	YES	~	SU	SP
Smilacina racemosa	False Solomon's Seal	PG	Summer	NOC	YES	~	SH	SP
Solidago caesia	Blue Stemmed Goldenrod	PG	Summer	NOC	YES	~	SH	SP
Solidago flexicaulis	Zig Zag Goldenrod	PG	Summer	NOC	YES	~	SH	SP
Solidago nemoralis	Gray Goldenrod	PG	Summer	NOC	YES	~	SU	SP
Solidago ohioensis	Ohio Goldenrod	PG	Summer	NOC	YES	~	SS	SP
Solidago riddellii	Riddell's Goldenrod	PG	Summer	NOC	YES	~	SU	SP
Solidago rigida	Stiff Goldenrod	PG	Summer	NOC	YES	~	SU	SP
Solidago speciosa	Showy Goldenrod	PG	Summer	NOC	YES	~	SU	CO
Solidago sphacelata	Goldenrod	PG	Summer	NS	NO	~	SU	CO
Sorghastrum nutans	Indian Grass	PG	Summer	NOC	YES	~	SU	CO
Spartina pectinata	Prairie Cordgrass	PG	Summer	NOC	YES	~	WT	SP
Sporobolus heterolepis	Prairie Dropseed	PG	Summer	NS	YES	~	SU	SP
Stipa spartea	Porcupine Grass	PG	Summer	NOC	YES	~	SU	SP
Teucrium canadense	American Germander	PG	Summer	NOC	YES	~	SH	SP
		PG	Summer	NOC	YES		SH	SP
Thalictrum diocum	Early Meadowrue					~		
Tradescantia ohioensis	Spiderwort	PG	Summer	NS	YES	~	SS	SP
Trillium erectum	Stinking Benjamin	PG	Spring	NOC	YES	~	SS	CO
Trillium grandiflorum	Large White Trillium	PG	Spring	NOC	YES	~	SS	CO
Trillium spp.	Trillium	PG	Spring	~	~	~	SH	SP
Triosteum aurantiacum	Horse Gentian	PG	Spring	NOC	YES	~	SH	SP
Typha angustifolia	Narrow-Leaved Cattail	PG	Summer	EX	NO	~	WT	CO
Typha latifolia	Common Cattail	PG	Summer	NOC	NO	~	WT	CO

					Woodland	Street		
		Plant	Interest/	Native to	Replace-	Tree	Growing	Nursery
Scientific Name	Common Name	Type	Bloom Time	Michigan?	ment?	Class	Conditions	Type
Uvularia grandiflora	Bellwort	PG	Spring	NOC	YES	~	SH	CO
Verbena hastata	Blue Vervain	PG	Summer	NOC	YES	~	SU	CO
Verbena uruicifolia	White Vervain	PG	Summer	NOC	YES	~	SU	SP
Vernonia missurica	Ironweed	PG	Summer	NS	YES	~	SU	SP
Veronica longifolia	Garden Speedwell	PG	Summer	EX	NO	~	SU	CO
Veronicastrum virginicum	Culver's Root	PG	Summer	NOC	YES	~	SU	CO
Zizia aptera	Heart-Leaf Meadow Parsnip	PG	Summer	NU	NO	~	SS	CO
Zizia aurea	Golden Alexanders	PG	Summer	NOC	YES	~	SU	SP
Eupatorium fistulosum	Hollow Joe-Pye Weed	PS	Summer	NS	YES	~	WT	SP

SUGGEST	TED DI ANT	LIST KEY						
SUGGES	LDFLANI	LIST KET						
Note: Pla	nte muet h	e grown in	Ilnner Mid	west/Grea	t Lakos Re	agion		
NOIE. FIA	liits illust b	grownin	opper wild	West/Grea	Lakes IN	gion		
Legend								
Plant Type	DC	Deciduous	Canany Tra	20				
	LE	Large Ever						-
	SL	Large Shru						
	PG	Perennial/G						-
	DS	Deciduous		v Troo				
	SS	Small Shru		y rree				
	UE							
	UE	Upright Eve	ergreen rie	e				
Interest							+	
Interest	SP	Spring						
	SU	Spring Summer						
	FA	Fall						
	WI	Winter						
	VVI	vviriter						
Native to Mic		E C N	I I b -					
	EX	Exotic or N						
	NOC	Native to O		inty				
	NS	Native SE I						
	NU	Native US/	Canada					
Woodl. Repl		trees, shrubs,				mbers - see	Sec 37-8	
	YES	Can be use						
	NO	Can not be	used as wo	odland re	placement			
Street Tree								
	RC	Recommen		<u> </u>	1.141144			
	UO	Recommen			Utilities			
	SC	Special Circ	cumstances	3				
	PR	Prohibited						
	~	Does not a	pply					
Growing Co	+	01 1						
	SH	Shade						
	SS	Sun/Shade						
	SU	Sun						
	WT	Wet						
Nurseries								
	CO	Commonly		nurseries				
	SP	Specialty n	urseries					
	UN	Unknown						

**Table 7.c – Prohibited Plants** 

Botanical NameCommon NamePlant TypeAcer negundoBoxelderDeciduous SubcanopyAcer platanoidesNorway MapleDeciduous Canopy TreAcer saccharinum**Silver MapleDeciduous Canopy TreAilanthus altissimaTree-Of-HeavenDeciduous Canopy TreAlnus glutinosaBlack AlderDeciduous Canopy TreBerberis spp.BarberrySmall shrubCelastrus orbiculatusBittersweetVine	ee ee
Acer platanoidesNorway MapleDeciduous Canopy TreeAcer saccharinum**Silver MapleDeciduous Canopy TreeAilanthus altissimaTree-Of-HeavenDeciduous Canopy TreeAlnus glutinosaBlack AlderDeciduous Canopy TreeBerberis spp.BarberrySmall shrubRound-Leaved	ee ee
Ailanthus altissima Tree-Of-Heaven Deciduous Canopy Tree-Alnus glutinosa Black Alder Deciduous Canopy Tree-Berberis spp. Barberry Small shrub Round-Leaved	ee
Ailanthus altissima Tree-Of-Heaven Deciduous Canopy Tree-Alnus glutinosa Black Alder Deciduous Canopy Tree-Berberis spp. Barberry Small shrub Round-Leaved	ee
Alnus glutinosaBlack AlderDeciduous Canopy TreBerberis spp.BarberrySmall shrubRound-Leaved	
Berberis spp. Barberry Small shrub Round-Leaved	
Round-Leaved	
Celastrus orbiculatus Bittersweet Vine	
Coronilla varia Crown Vetch Perennial / Grass	
Echinochloa crus-galli Barnyard Grass Perennial / Grass	
Elaeagnus umbellata Autumn Olive Large Shrub	
Ginkgo biloba(female) Ginkgo (female) Deciduous Canopy Tre	ee
Gypsophila paniculata Baby's Breath Perennial / Grass	
Hypericum perforatum Common St. Johns-Wort Small Shrub	
Iris pseudacorus Water Flag Perennial / Grass	
Ligustrum spp. Privet Small shrub	
Lonicera japonica Japanese Honeysuckle Large Shrub	
Lonicera maackii Amur Honeysuckle Large Shrub	
Lonicera tatarica Tartarian Honeysuckle Large Shrub	
Lythrum salicaria Purple Loosestrife Perennial / Grass	
Melilotus alba White Sweet Clover Perennial / Grass	
Melilotus officinalis Yellow Sweet Clover Perennial / Grass	
Morus alba White Mulberry Deciduous Canopy Tre	e
Polygonum persicaria Spotted Lady's Thumb Perennial / Grass	
Populus alba White Poplar Deciduous Canopy Tre	e
Populus deltoides Eastern Cottonwood Deciduous Canopy Tre	e
Populus nigra Black Poplar Deciduous Canopy Tre	
Populus tremuloides Quaking Aspen Deciduous Canopy Tre	
Pyrus calleryana Flowering Pear Deciduous Canopy Tre	e
Rhamnus cathartica Common Buckthorn Large Shrub	
Rhamnus frangula Glossy Buckthorn Large Shrub	
Rhamnus frangula Narrow-Leaved Glossy	
angustifolia Buckthorn Large Shrub	
Ribes americanum Wild Black Current Small Shrub	
Robinia pseudoacacia Black Locust Deciduous Subcanopy	Tree
Rosa multiflora Japanese Rose Large Shrub	
Salix alba** White Willow Deciduous Canopy Tre	e
Salix babylonica** Weeping Willow Deciduous Canopy Tre	
Salix nigra** Black Willow Deciduous Canopy Tre	e
Ulmus americana* American Elm Canopy Deciduous Tre	e
Ulmus pumila Siberian Elm Canopy Deciduous Tre	e
Vinca minor Common Periwinkle Groundcover	·



# **Community Development Department**

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

# WOODLANDS/WETLANDS/WATERCOURSE AFFIDAVIT APPLICATION

APPLICATION MUST BE FILLED OUT COMPLETELY

I. PROPERTY INFORMATION						
PROJECT NAME / SUBDIVISION						
ADDRESS		LOT/SUITE/SPACE #				
SIDWELL # 50-22		obtained from Assessing ent (248) 347-0485				
CROSS ROADS OF PROPERTY	Departin	CH (240) 347-0403		ACREAGE		
II. APPLICANT/ INFORMATION						
A. PROPERTY OWNER	/NER EMAIL ADDRESS		CELL PHONE NO.			
NAME		TELEPHONE NO.				
ORGANIZATION/COMPANY		FAX NO.				
ADDRESS		CITY	STATE	ZIP CODE		
B. CONTRACTOR						
Identify the person or organization that owns the subject property:		CELL PHONE NO.				
NAME			TELEPHONE NO.			
ORGANIZATION/COMPANY			FAX NO.			
ADDRESS		CITY	STATE	ZIP CODE		
III. PROPOSED PROJECT INFORM	IATION					
DESCRIBE THE FOLLOWING ACTIVITY:		F	PROJECT STARTING DATE:			
WETLANDS/WATERCOURSE		WOODLANDS				
That the Applicant has examined the Official for the City of Novi, Chapter 12, Article V of applicable, has referred to the final approviplan and determined that the above properties of the control of	the Novi Code and if ed plat and/or approved site	That the Applicant has examinate Novi, Novi Code Chapter 3	mined the Official Woodland 7 and has referred to the find d determined that the abov	al approved plat and/or		
Does not contain any regulated wetlar	Does not contain any r	<ul> <li>Does not contain any regulated woodlands on this property.</li> <li>Does not contain any designated Historic or Specimen trees as defined under Chapter 37 of the City of Novi Code, nor any tree with a diameter of thirty six (36) inches measured at four and one half (4 1/2) feet above existing grade.</li> <li>Does contain -regulated woodlands are located on this property. Protective measures are required pursuant to Chapter 37 of the City of Novi Code.</li> <li>Regulated woodlands are located adjacent to this property. Protective measures are required pursuant to Chapter 37 of the City of Novi Code.</li> </ul>				
twenty-five (25) foot wetland/ waterco buffer) and is not contiguous to any str	,					
Does contain regulated wetland/water foot wetland/watercourse setback (i.e.	thirty six (36) inches me					
Protective measures are required pursuof the City of Novi Code. All proposed of these areas.	Does contain -regulate					
Adjacent to regulated wetland/watercourse. Property contains twenty-five (25) foot wetland/watercourse setback (i.e., 25-foot wetland buffer). Protective measures are required pursuant to						
Chapter 12, Article V of the City of Nov shall take place outside of these areas		,	woodlands are proposed an	d are indicated on the		
☐ Impacts to regulated wetlands or regulated twenty-five (25) foot		proposal Plan.				
wetland/watercourse setback (i.e., 25 and are indicated on the proposed pl	, , ,					
Print Signature of Applicant	Subsci	ibed and sworn before me the_	day of			
Time signature of Applicant	Gazes.		otary Public			
Signature of Applicant		N(	Julia	, county, wiichigan.		
Date My Commission expires:						



2200 Commonwealth Blvd., Suite 300 Ann Arbor, MI 48105 Phone: (734) 769-3004

Fax: (734) 769-3164

### Plot Plan Review Checklist - WETLANDS

- 1. Clearly label **all** wetland boundaries **and** twenty-five (25) foot wetland setback lines that are located on and in the vicinity of the lot in accordance with the approved site plan/engineering plans.
- Please complete a Wetland Affidavit consistent with the proposed activities for each individual lot. Please ensure that the Wetland Affidavit properly reflects either the presence or absence of wetlands or wetland buffer on the property.
  - Box #1: Is not within an area designated as a wetland/watercourse area check this box only if there are no wetlands, streams or drains anywhere on the lot.
  - Box #2: Does not contain any portions of the twenty-five (25) foot wetland and watercourse setback check this box <u>only</u> if there is no portion of a twenty-five (25) foot wetland or watercourse setback on the lot. (Note: If there is a wetland boundary on an adjacent lot within 25' of the lot line, Do <u>Not</u> check this box).
  - Box #3: Does contain regulated wetlands, watercourses, or setbacks but that all proposed work shall take place outside of these areas (Note: If the lot DOES contain wetland, watercourses or twenty-five (25) foot wetland or watercourse setbacks and NO work is proposed in these areas, then check this box. If you are proposing fill or working within these regulated areas, DO NOT check this box.
  - Box #4: **Does not** contain a wetland contiguous to a stream or watercourse.
- 3. Show existing grades/contours for the site along with any proposed grades associated with the wetland and wetland setback.
- 4. Clearly indicate locations and areas of <u>all</u> proposed wetland or wetland buffer disturbance.
- 5. The proposed limit of disturbance line should be shown on the plot plan. In addition, this limit of disturbance line shall be consistent with the extent of proposed grading on the plan (i.e. existing and proposed grades should match on the wetland-side of this limit line).
- 6. Show proposed grading contours from the finished grade of any proposed buildings both to the wetland setback and to the property lines. Please clearly note Finished Grade (FG), Brick Ledge (BL) or Drop Brick Ledge (D/BL) on the plot plan.

- 7. Any disturbance to a wetland setback area must be restored as soon as practicable. This includes seeding all disturbed wetland setback areas with an appropriate native Michigan seed mix. Sod or common grass seed will not be acceptable in these areas. Please indicate seed mix to be used on the plot plan. The following are approved seed mixes for use in the wetland and wetland setbacks:
  - Wetland areas shall be restored using JFNew Emergent Wetland Seed Mix (or approved equivalent).
  - Wetland buffer/setback shall be restored using JFNew Wet-to-Mesic Prairie Seed Mix (or approved equivalent).
  - JFNew Nurseries, (574) 586-2412, www.jfnewnursery.com
- 8. If no disturbances are proposed in the existing wetland or wetland setback, please include a note on the plot plan, "No grading or vegetation removal is proposed in the wetland setback."
- 9. Please include a note on the plot plan, "Please note that any orange protective and silt fences must be installed prior to construction." This silt or orange protective fence must be placed along the wetland setback.
- 10. Please clarify any impacts on woodlands due to new proposed grading. Specifically, indicate how new proposed grading (proposed grades much higher than existing grades) will impact existing trees.
- 11. When fill is proposed within a wetland or twenty-five (25) foot wetland setback, make sure that wetland impacts (fill volume and area impacts) are consistent with the Wetland Permits associated with the development.

**Note:** The correct estimate for wetland fill should be based on the total amount of <u>all</u> proposed fill from existing grade to proposed grade within the regulated wetland boundary on the lot. This is the same method used by the Michigan Department of Environmental Quality.



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### Plot Plan Review Checklist - WOODLANDS

- 1. Clearly label **all** woodland areas as depicted on the approved final site plan.
- 2. Clearly show and label all existing and proposed tree protection fence. Differentiate existing tree protection fencing from proposed tree protection fencing on the plot plan.
- 3. Do grading limits as shown on the plot plan, or spot grades, indicate that proposed grades will match existing grades at the tree protection fence?
- 4. Do Tree Tag I.D. numbers match those shown on the approved final site plan?
- 5. Do trees to be removed correspond with those shown on the approved final site plan?
- 6. Is roof drainage from gutters and downspouts directed away from regulated woodland areas?
- 7. Is Tree Protection Fencing shown and labeled on the plot plan in order to protect any replacement trees planted on or adjacent to the lot?
- 8. Is Tree Protection Fencing shown and labeled on the plot plan in order to protect regulated woodlands adjacent to the site?
- 9. Do utility lines or sump lines intrude into regulated woodland areas? They should not unless shown on the approved final site plan.
- 10. All plot plans for lots containing regulated woodlands must contain the following note: "All proposed grades shall meet and match existing grade at tree protection fence line".
- 11. The Approval of the City of Novi Woodlands Review Board may be required is either of the following conditions exist on the lot:
  - (a) The plot plan indicates encroachment into an area of regulated/protected woodland that was not indicated on the approved final site plan.
  - (b) The plot plan indicates the removal of a regulated/protected tree that was not indicated to be removed on the approved final site plan.



### ACKNOWLEDGEMENT OF DISCLOSURE

**CITY OF NOVI** 

Community Development Department (248) 347-0415

The undersigned hereby acknowledge(s) that (he/she/they) have/has been provided with and have retained a copy of this Disclosure Statement and have been provided a copy of Chapter 18, Article III of the *Novi Code of Ordinances* (Disclosure Requirements for Sale of New Single Family Residences) and have/has been provided a disclosure statement pursuant to that Article.

Lot No	Subdivision:		
Address:			
Signature of Homeowner		Signature of Homeowner	
		<del></del>	
Print Signature here		Print Signature here	
********	******	***********	*****
Signature of Builder		Signature of Witness	
Drint clamatura hara		Drint donatura hara	
Print signature here		Print signature here	
Date:			

The Code of Ordinances, Chapter 18, mandates that the seller of a newly constructed residence shall provide the purchaser with a Disclosure Statement prior to or at the time of execution of the Purchase Agreement. This form is submitted to the Community Development Department with the Request for Occupancy.