



City of Bloomington Common Council

Legislative Packet

Continuation of the Special Session
for consideration of Ordinance 09-12

29 July 2009

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To: Council Members
From: Council Office
Re: Weekly Packet Memo
Date: July 24, 2009

Packet Related Material

- Memo
- Revised Notice and Schedule for Special Session to Consider Ord 09-12 (which, in part, sets forth items to be considered on Wednesday, July 29th)
- Calendar

Continuation of Special Session to Consider Ord 09-12 which Brings Forward Dozens of Amendments to the Unified Development Ordinance.

There are 14 amendments to be considered on July 29th. All but four of the amendments can be found in the Council Legislative Packet prepared for the [8 July 2009 Special Session](#). Those four amendments along with the duplication of one amendment from the earlier packet are included in this packet and are listed below:

- CCL-002 (Amending UDO - 076) – Sturbaum – Re: Restricts use of EIFS and other building materials on buildings in the CD district (*Note: UDO-076 was not adopted by the Plan Commission*)
- CCL-013 (Amending UDO -083) – Plan Staff – Re: Converts minimum to maximum parking in non-residential, multifamily, and affordable single family developments (and incorporates UDO-025, UDO-027, UDO-044)
- CCL-003 (Forthcoming) (Amending UDO-082) – Sturbaum – Re: Requires landscaping be installed when buildings are demolished unless a development plan is approved (*Note: This amendment was not adopted by the Plan Commission and Councilmember Sturbaum intends to request postponement of this item to provide time to draft changes that address some of their concerns.*)

- **CCL-006 (which amends UDO-034 – Plan Staff – Re: Prohibits external illumination of temporary signs.** *(Note: Plan Staff submitted this amendment to define externally and internally illuminated signs.)*
- **CCL-009 (which amends UDO-069 – Plan Staff – Re: Revises list of landscaping to add native species and prohibit certain invasive species** *(Note: Plan Staff submitted this amendment to clarify which cultivars of the “flower crabapple” tree are suitable and unsuitable for planting in our Planning jurisdiction.*

Memo

Continuation of Special Session to Consider Ordinance 09-12 on Wednesday, July 29th (which begins at 7:00 p.m.)

The Council will reconvene the Special Session at 7:00 p.m. on Wednesday, July 29th to consider **Ord 09-12**. There are 14 amendments to cover that evening which are almost all included in the Council Legislative Packet prepared for the [8 July 2009 Regular Session](#). Two of those amendments were carried over from July 15th. Four of the amendments have been incorporated into one amendment which, if passed, will allow you to quickly dispose of the other three (*see below*). Five of the amendments have been amended (including the aforementioned one) or may be subject to motions to postpone and are briefly mentioned below and enclosed with this packet:

- **CCL-002 (Amending UDO-076) – Sturbaum – Re: Restricts use of EIFS and other building materials on buildings in the CD district)** *UDO-076 was not adopted by the Plan Commission. Councilmember Sturbaum intends to introduce CCL-002 which would amend UDO-076. It would restrict the use of EIFS as a building material in the Commercial Downtown zoning district. Specifically, it adds EIFS as a prohibited primary and secondary building material to multiple downtown overlay districts. It also restricts the use of vinyl, cementitious siding and highly reflective building materials in some districts. Lastly, it makes the application of this rule uniform throughout the Commercial Downtown zoning district by including all four sides of the building.*
- **CCL 013 (Amending UDO-083) – Plan Staff – Re: Converts minimum to maximum parking in non-residential, multifamily and affordable single-family developments (and incorporates UDO-025, UDO-027, UDO-044)** *UDO-083 was adopted by the Plan Commission and Plan Staff has offered this*

amendment to incorporate three other related amendments: UDO-025 (which clarifies calculation of car dealer parking); UDO-027 (which allows stacked parking for multifamily garages); and UDO-044 (which clarifies when parking setback, impervious surface, and entrances/drive requirements are necessary for non-conforming properties).

- **UDO-082 (CCL-003 - Forthcoming) – Sturbaum – Re: Requires landscaping be installed when buildings are demolished unless a development plan is approved.** *UDO-082 was not adopted by the Plan Commission and Councilmember Sturbaum will request a postponement of one week so that he can work with staff to draft changes that address some of the Commission’s concerns.*
- **CCL-006 (which amends UDO-034 – Plan Staff – Re: Prohibits external illumination of temporary signs.** *Plan Staff added definitions of externally and internally illuminated signs in order to address concerns of the Council raised on July 8th.*
- **CCL-009 (which amends UDO-069 – Plan Staff – Re: Revises the list of landscaping to add native species and prohibit certain invasive species** *Plan Staff submitted this amendment to clarify which cultivars of “flower crabapple” trees are suitable and unsuitable for planting in our Planning jurisdiction.*

**Schedule for Common Council Consideration of Ordinance 09-12 which
Brings Forward Amendments to the Unified Development Ordinance from the
Plan Commission as a Result of Its Periodic Review of Title 20 of the
Bloomington Municipal Code
(Revised July 24, 2009)**

**SPECIAL SESSION TO CONSIDER AMENDMENTS TO THE UNIFIED
DEVELOPMENT ORDINANCE (ORD 09-12) WHICH WILL BE HELD ON THE
FOLLOWING EVENINGS AT THE FOLLOWING TIMES:**

WEDNESDAY, JULY 8, 2009 - 7:00 P.M.

Motion to Introduce Ordinance 09-12

Motion to Approve Schedule

Motion to Approve Procedure

The Council will Consider One Motion to Approve the Following Text Amendments (Unless Members of the Council Request Individual Discussion of an Item Before Presentation is Made by Plan Staff):

- UDO-001 **Rooming house – adds asterisk.**
- UDO-002 **Establishes parking setback from *proposed* rather than *existing* right of way or easement in IG/QY districts.**
- UDO-003 **Pitched roof exception – extends to Third Street.**
- UDO-004 **Defines “proposal” as it relates to projects within the CD zoning district**
- UDO-005 **Adds one PUD final plan change that may be approved by Planning Director.**
- UDO-006 **Adds missing restrictions on accessory structures in multifamily zoning districts.**
- UDO-007 **Provides for some variation in sidewalk/tree plot designs.**
- UDO-008 **Requires connector paths to link developments to multi-use trails.**
- UDO-009 **Makes reduction of bike parking discretionary rather than automatic in CD zoning district.**
- UDO-010 **Clarifies calculation of amount of bicycle parking.**
- UDO-011 **Clarifies height and accessory status of communication facilities in CD district.**
- UDO-012 **Prohibits driveway design where driveway is parallel to street.**
- UDO-013 **Requires entrance & drive design to be paved (like parking areas).**
- UDO-014 **Requires conservation easements for wetland buffer areas.**
- UDO-015 **Corrects UDO reference.**
- UDO-016 **Clarifies fence height maximum & calculation of decorative features.**
- UDO-017 **Corrects typographic error.**
- UDO-018 **Corrects statutory reference.**
- UDO-019 **Makes landscaping of buffer yards separate from general landscaping requirements.**
- UDO-020 **Planting requirements – increases canopy tree requirements and makes interior requirements consistent.**

- UDO-021 **Clarifies landscaping requirement.**
- UDO-022 **Clarifies parking lot island and bump-out location and function.**
- UDO-023 **Clarifies outdoor storage and merchandizing requirements.**
(Revised on July 8, 2009 to correct error)

- UDO-024 **Adds omitted requirement for maximum parking lot slope.**
- UDO-026 **Corrects omission regarding parallel parking dimensions.**
- UDO-028 **Allows back-out parking on non-arterial streets in Core Neighborhoods.**
- UDO-029 **Clarifies setback for recreational equipment.**
- UDO-030 **Establishes same setback for detached and attached carports.**
- UDO-031 **Corrects statutory reference.**
- UDO-032 **Adds cross-references for exceptions to off-premises signs.**
- UDO-033 **Clarifies requirements for changeable copy on freestanding signs.**
- UDO-034 **Prohibits external illumination of temporary signs. (On July 8th, the Council postponed consideration of this item until August 5, 2009 and on July 15th the Council moved consideration of this item to July 29th.)**
- CCL-006

- UDO-035 **Corrects section heading for multifamily signage.**
- UDO-036 **Creates wall signage allowance for multi-tenant non-residential centers.**
- UDO-037 **Clarifies minimum lot frontage requirements for freestanding signs.**
- UDO-038 **Corrects word usage in reference to drive-though bays. (On July 10th, Cm. Satterfield declared his intent to request reconsideration and revision of this amendment at future meeting during this Special Session.)**
- CCL-007

- UDO-039 **Clarifies exemption regarding temporary containers used for charitable purposes.**
- UDO-040 **Corrects setback error for conservation subdivisions.**

- UDO-041 Clarifies permitted activities within conservation/preservation easements.
 UDO-042 Requires public street frontage for new residential lots.
 UDO-043 Clarifies requirement for installation of no parking signs.
(Revised on July 8, 2009 to correct error.)
- UDO-045 Exempts construction of small accessory structures from events that end status as a non-conforming use in non-residential and multifamily properties.
- UDO-046 Requires developer to list bike rack model type.
 UDO-047 Requires petitioner to list scientific name of landscape species.
 UDO-048 Corrects typographical error under subdivision control.
 UDO-049 Defines start and duration of timing of final plat.
 UDO-050 Clarifies effect of withdrawal of demolition delay application.
 UDO-051 Requires submission of complete application before Demolition Delay waiting period begins.
 UDO-052 Adds basketball courts and batting cages to definition of recreational equipment.
 UDO-053 Clarifies change from one residential use to another and adds abandonment as a change in use.
 UDO-054 Adds “florist” to class of use table in definitions.
 UDO-055 Establishes depth of projection from wall to definition of wall sign.
 UDO-056 Changes definition of impound vehicle storage to include both inside and outside storage.
 UDO-057 Conforms erosion and storm water regulations to Title 10 of the BMC.
 UDO-058 Corrects references to Bicycle and Pedestrian Plan.
 UDO-059 Resolves conflict between temporary use and structure provisions for temporary signs.
 UDO-060 Corrects definition of outpatient care facility.
 UDO-061 Clarifies definition of basement to establish when it constitutes a “story”.

The Council Considered Separate Motions Regarding the Following Map Amendments:

- UDO-062 Map Amendment - Rezones remaining part of the Highpoint PUD from PUD to CD/DEO.
 UDO-063 Map Amendment – Rezones Basswood area property from IN to RM.

The Council Considered Individual Motions Regarding the Following Text Amendments:

- UDO-065 Prohibits primary pedestrian entrance in CD district to be off an alley.
 UDO-066 Clarifies “masonry” materials to be used in residential projects. *(On July 8th, the Council postponed consideration of this item until August 5th.)*
 CCL-008
 UDO-067 Allows additions to single family attached and detached structures to have flat roofs.
(Note: On July 8th the Council considered and rejected an amendment (CCL-005) to this item.)
- UDO-068 Clarifies that LEED-NC guidelines used in the UDO are periodically updated by USGBC.
 UDO-069 Revises list of landscaping to add native species and prohibit certain invasive species. *(On July 8th, the Council postponed consideration of this item until August 5th and on July 15th the Council moved consideration of this item to July 29th.)*
 CCL-009
- UDO-070 Allows window signs on upper floors but counts such signs towards sign allotment.
 UDO-071 Allows only attached wall signs and sandwich board signs outside of right-of-way along the B-Line trail

Note: On July 8th, the Common Council considered the foregoing amendments and took action in some cases to postpone and revise them for consideration at a later meeting (see notes in italics after the titles above).

FRIDAY, JULY 10, 2009 – 10:00 a.m.

- Deadline for Declaring Intent to Revive Amendments Non-Adopted by the Plan Commission and the Introduction of New Amendments.
- Deadline for Submitting Revived Amendments, Revised Amendments, and New Amendments for Consideration on the Evening of Wednesday, July 15, 2009

WEDNESDAY, JULY 15, 2009

(AFTER REGULAR SESSION WHICH STARTS AT 7:00 P.M.)

The Council was Scheduled to Consider Individual Motions Regarding the Following Text Amendments:

- UDO-075 Converts density from units per acre to bedrooms per acre. *(On July 15th, the Council postponed consideration of this amendment until August 5, 2009 at the request of Councilmember Volan, who may amend it or prepare a new amendment to address this issue.)*
 CCL-010

- UDO-077 **Reduces void to solid ratio on first floor facades in all Downtown Overlay districts.** *(On July 15th, the Council adopted this amendment, but allowed for it to be amended on August 5th.)*
 CCL-011
 UDO-079 **Adds architectural design requirement along arterial streets.** *(On July 15th, the Council adopted this amendment.)*
- UDO-080 **Adds requirements for some areas now exempt from riparian buffer zones.** *(On July 15th, the Council voted to consider this amendment on July 29th.)*
- CCL-001 **Promotes Sustainable Development Practices** *(This amendment was not adopted by the Plan Commission. On July 10th, Cm. Piedmont-Smith declared her intent to reintroduce and amend this amendment. On July 15th, the Council adopted CCL-001 which amended this amendment.)*
 UDO-074
- CCL-002 **Restricts use of EIFS and other surface building materials in CD district.** *(On July 10th, Cm. Sturbaum declared his intent to reintroduce and revise this amendment. On July 15th, the Council did not reach consideration of this item which, according to Special Session procedure, meant this item would be taken up at the July 29th meeting.)*
 UDO-076

On July 15th, the Common Council considered all but two of the foregoing amendments and took action in some cases to postpone and revise them for consideration at a later meeting (see notes in italics after the titles above). In accordance with Special Session procedures, the two items not considered this evening will be considered at the beginning of the next meeting.

FRIDAY, JULY 17, 2009 – 10.00 a.m.

- *Deadline for Submitting Revived Amendments, Revised Amendments, and New Amendments for Consideration on the Evening of Wednesday, July 29, 2009*

WEDNESDAY, JULY 29, 2009 – 7:00 P.M.

The Council will Consider Individual Motions Regarding the Following Text Amendments:

- UDO-080 **Adds requirements for some areas now exempt from riparian buffer zones.** *(On July 15th, the Council voted to consider this amendment on July 29th.)*
- CCL-002 **Restricts use of EIFS and other surface building materials in CD district.** *(This amendment was not adopted by the Plan Commission. On July 10th, Cm. Sturbaum declared his intent to reintroduce and amend this amendment. On July 15th, the Council did not reach consideration of this item which, according to Special Session procedure, meant this item would be taken up at the July 29th meeting.)*
 UDO-076
- UDO-081 **Reduces buffer yard requirements.**
- UDO-083 **Converts minimum to maximum parking in non-residential, multifamily and affordable single family developments.** *(On July 10th, Cm. Volan declared his intent to amend this amendment or introduce a new amendment on this subject. On July 24th, the schedule was revised to note that staff will request consideration of an amendment that incorporates UDO-025, UDO-027, and UDO-044.)*
 CCL-013
- UDO-025 **Clarifies calculation of car dealer parking.** *(On July 15th, the schedule was revised to note that this amendment may be incorporated into an amended UDO-083.)*
- UDO-027 **Allows stacked parking for MF garages.** *(On July 15th, the schedule was revised to note that this amendment may be incorporated into an amended UDO-083.)*
- UDO-044 **Clarifies when parking setback, impervious surface, and entrances/drive requirements are necessary for non-conforming properties.** *(On July 15th, the schedule was revised to note that this amendment may be incorporated into an amended UDO-083.)*
- UDO-085 **Adds or changes parking requirements for preschools, outdoor storage, and brewpubs.**
- UDO-086 **Defines and adds parking requirements for “outdoor retail.”**
- UDO-088 **Relaxes restrictions on size and duration of political signs to conform to case law.**
- UDO-089 **Changes restrictions on “reader board” signs to conform to case law**
- UDO-082 **Requires landscaping be installed when buildings are demolished unless a development plan is approved.** *(This amendment was not adopted by the Plan Commission. On July 10th, Cm. Sturbaum declared his intent to reintroduce and amend this amendment. On July 24th, he declared is intent to request postponement until August 5th to provide time to draft the amendment.)*
 CCL-003
- UDO-034 **Prohibits external illumination of temporary signs.** *(On July 8th, the Council postponed this item to August 5th and on July 15th moved its consideration to July 29th. On July 17th, Plan Staff submitted CCL-006 which defined “externally” and “internally” illuminated signs.)*
 CCL-006
- UDO-069 **Revises list of landscaping to add native species and prohibit certain invasive species.** *(On July 8th, the Council postponed consideration of this item to August 5th and on July 15th moved its consideration to July 29th. On July 17th, Plan Staff submitted an amendment which suitable and unsuitable cultivars of the “flowering crabapple” tree.*

Note: The Common Council will proceed no further this evening than the last amendment in the foregoing list. In the event it does not finish consideration of these amendments, the Council will begin the next meeting where it left off this evening.

FRIDAY, JULY 31, 2009 – 10:00 a.m.

- *Deadline for Submitting Revived Amendments, Revised Amendments, and New Amendments for Consideration on the Evening of Wednesday, July 29, 2009*

WEDNESDAY, AUGUST 5, 2009 (AFTER THE REGULAR SESSION WHICH BEGINS AT 7:00 P.M.)

The Council will Consider Individual Motions Regarding the Following Text Amendments:

- UDO-090 **Restricts seasonal sale of fireworks to CA districts and clarifies length seasonal sales are permitted.**
- UDO-091 **Adds maximum suburban parent tract size for Suburban Subdivision type.**
- UDO-092 **Requires more detail for models accompanying downtown development proposals**
- UDO-094 **Defines “primary” and “secondary” exterior finish materials. (On July 10th, Cm. Sturbaum declared his intent to amend this amendment.)**
- CCL-012
- UDO-095 **Defines certain urban agricultural activities and imposes special conditions on community gardens in residential zones.**
- UDO-093 **Requires grading permit for single family lots which have not been part of a larger grading plan. (This amendment was not adopted by the Plan Commission. On July 10th, Cm. Piedmont-Smith declared her intent to reintroduce and amend this amendment.)**
- CCL-004
- UDO-066 **Clarifies “masonry” materials to be used in residential projects. (Postponed on July 8th to August 5th)**
- CCL-008

Other Amendments Declared by Council Members by July 10, 2009 and to be filed with the Council Office by July 31, 2009

- UDO-038 **Corrects word usage in reference to drive-though bays. (On July 10th, Cm. Satterfield declared his intent to revise and request reconsideration of this amendment initially considered on July 8th or introduce a new amendment on this subject.)**
- CCL-007
- UDO-078 **Prohibits residential uses on the ground floor along key corridors. (This amendment was not adopted by the Plan Commission. On July 10th, Cm. Sturbaum declared his intent to reintroduce this amendment without change.)**
- UDO-075 **Converts density from units per acre to bedrooms per acre. (On July 15th, the Council postponed consideration of this amendment until August 5, 2009 at the request of Councilmember Volan, who may amend it or prepare a new amendment to address this issue.)**
- CCL-010
- UDO-077 **Reduces void to solid ratio on first floor facades in all Downtown Overlay districts. (On July 15th, the Council adopted this amendment and allowed for it to be amended on August 5th.)**
- CCL-011
- UDO-083 **Converts minimum to maximum parking in non-residential, multifamily and affordable single family developments. (On July 10th, Cm. Volan declared his intent to amend this amendment or introduce a new amendment on this subject. On July 29th, the Council will consider CCL-013 which incorporates UDO-025, UDO-027, and UDO-044.)**

Once the Council has finished considering all the foregoing amendments, it will consider a motion to adopt Ordinance 09-12 as Amended by the Council. In the event it has not finished consideration of amendments on this evening, the Council will continue the Special Session and hold meetings in the first half of September to conclude action on this ordinance in a timely manner.

The Council may revise this schedule and continue consideration of the UDO to other dates by a vote of the Council taken at any time during this Special Session.

Posted and Distributed on: Friday, July 24, 2009



**City of Bloomington
Office of the Common Council**

To: Council Members
From: Council Office
Re: Calendar for the Week of July 27-August 1, 2009

Monday, July 27, 2009

4:00 pm Council for Community Accessibility, McCloskey
5:30 pm Bloomington Human Rights Commission, McCloskey

Tuesday, July 28, 2009

8:30 am Making Businesses Accessible: If We Build It Right, They Will Come!
Workshop for government building inspectors, Council Chambers
1:30 pm Development Review Committee, McCloskey
4:00 pm Bloomington Community Farmers' Market, Madison St, Between 6th & 7th St
5:15 pm Solid Waste Management District Citizens Advisory Committee, McCloskey
5:30 pm NAACP Freedom Fund Banquet Planning Committee, Kelly

Wednesday, July 29, 2009

2:00 pm Hearing Officer, Kelly
7:30 pm Common Council Special Session – a continuation of the meeting to consider amendments to the Unified
Development Ordinance, Council Chambers

Thursday, July 30, 2009

10:30 am County Address Coordination, McCloskey
11:00 am B-Line Trail Phase II Open House, Council Chambers

Friday, July 31, 2009

4:30 pm Plat Committee, Kelly

Saturday, August 1, 2009

8:00 am Bloomington Community Farmers' Market, Showers Common, 401 N. Morton

Posted and Distributed: Friday, July 24, 2009

Ordinance 09-12

Amendments to Title 20 (Unified Development Ordinance) Adopted by the Plan Commission

Council Amendment #: **CCL-002** Plan Commission Amendment #: **UDO – 076**

Sponsor: Sturbaum Date: July 10 2009

Synopsis

Restricts use of EIFS and other building materials on facades facing streets in CD district

This amendment restricts the use of EIFS as a building material in the Commercial Downtown zoning district. Specifically, the amendment adds EIFS as a prohibited primary and secondary building material to multiple downtown overlay districts. EIFS would still be allowed for usage on building trim, cornices, and other architectural features. The amendment also restricts the use of vinyl, wood, cementitious siding, precast concrete, and highly reflective building materials.

This amendment restricts the use of EIFS as a building material in the Commercial Downtown zoning district. Specifically, the amendment adds EIFS as a prohibited primary and secondary building material to multiple downtown overlay districts. The amendment also restricts the use of vinyl, cementitious siding, and highly reflective building materials in some districts. Lastly, it makes the application of this rule uniform throughout the Commercial Downtown zoning district by including all four sides of the building. *(Note: On July 15th, the title was revised to reflect changes in the amendment.)*

Plan Commission No Action [4:3]

Action:

Council Action:

Action Date:

Page 3-14 Downtown Core Overlay

20.03.130(b)(4)

- (B) The following building materials shall not be used as secondary exterior finish materials:
- (i) EIFS ~~(first floor only)~~;

Page 3-20 University Village Overlay

20.03.200(b)(5)

- (A) General: The following materials are not permitted as primary exterior finish materials ~~on facades facing a street~~:
- (i) Highly reflective materials;
 - (ii) Vinyl;
 - (iii) EIFS;
 - (iv) Metal; and
 - (v) Smooth or Split-faced cement block.

- (B) General: The following materials are not permitted as secondary exterior finish materials:
- (i) Highly reflective materials;
 - (ii) Vinyl;
 - (iii) EIFS.

- (C)(B) Kirkwood Corridor: The following materials are not permitted as primary exterior finish materials ~~on facades facing a street~~:
- (i) Wood;
 - (ii) EIFS (~~Exterior Insulation Finish System~~);
 - (iii) Smooth-faced or split-faced cement block;
 - (iv) Vinyl; and
 - (v) Cementitious siding.

- (D) Kirkwood Corridor: The following materials are not permitted as secondary exterior finish materials:
- (i) EIFS;
 - (ii) Vinyl;
 - (iii) Cementitious siding (first floor only).

- (E)(C) Restaurant Row: The following materials are not permitted as primary exterior finish materials ~~on facades facing a street~~:
- (i) EIFS (~~Exterior Insulation Finish System~~);
 - (ii) Smooth-faced or split-faced cement block;
 - (iii) Natural stone or masonry;
 - (iv) Precast concrete;
 - (v) Vinyl.

- (F) Restaurant Row: The following materials are not permitted as secondary exterior finish materials:
- (i) EIFS;
 - (ii) Vinyl.

Page 3-25 Downtown Edges Overlay

20.03.270(b)(4)

- (A) Materials: The following materials are not permitted as primary exterior finish materials ~~on facades facing a street~~:
- (A)(i) Smooth-faced or split-faced cement block;
 - (B)(ii) Vinyl;
 - (C)(iii) Highly reflective materials;
 - (D)(iv) EIFS;
 - (E)(v) Metal;
 - (F)(vi) Precast concrete.

- (B) Materials: The following materials are not permitted as secondary exterior finish materials:
- (i) Vinyl;
 - (ii) Highly reflective materials;
 - (iii) EIFS;

Page 3-31 Downtown Gateway Overlay

20.03.340(b)(4)

- (A) Materials: The following materials are not permitted as primary exterior finish materials ~~on facades facing a street~~:
- (A)(i) Highly reflective materials;
 - (B)(ii) Vinyl;
 - (C)(iii) Metal;
 - (D)(iv) EIFS.

- (B) Materials: The following materials are not permitted as secondary exterior finish materials:
- (i) Highly reflective materials;
 - (ii) Vinyl;
 - (iii) EIFS;

Page 3-37 Showers Technology Park Overlay

20.03.410(b)(4)

- (A) Materials: The following materials are not permitted as primary exterior finish materials on facades facing a street:
- (A)(i) Wood;
 - (B)(ii) Vinyl;
 - (C)(iii) Smooth-faced cement block;
 - (D)(iv) Cementitious siding;
 - (v) EIFS.

- (B) Materials: The following materials are not permitted as secondary exterior finish materials:
- (i) Vinyl;
 - (ii) EIFS.

Ordinance 09-12

Amendments to Title 20 (Unified Development Ordinance) Adopted by the Plan Commission

Council Amendment #: CCL-013 Plan Commission Amendment #: UDO – 083

Submitted By: Plan Staff Date: July 17, 2009

Synopsis

Converts minimum to maximum parking in non-residential, multifamily and affordable single family developments.

This amendment revises the Parking Standards of the UDO to convert the minimum parking requirements of the ordinance into maximum parking requirements. The purpose of this amendment is to reduce the amount of off-street parking provided for all nonresidential, multifamily, and single family developments. Additionally, this amendment has been revised to encompass overlapping changes to parking and entrance and drive standards which were adopted by the Plan Commission in Amendments 25, 27, and 44.

Plan Staff offered CCL-013 as an amendment to UDO-083. It incorporates UDO-025 (Clarifies calculation of car dealer parking), UDO-027 (Allows stacked parking for MF garages), and UDO-044 (Clarifies when parking setback, impervious surface, and entrances/drive requirements are necessary for non-conforming properties).

Plan Commission Adopt [8:1]

Action:

Council Action:

Action Date:

Page 3-24 Downtown Edges Overlay

20.03.260(c)

(3) *Nonresidential Parking Standards:* Fifty percent (50%) of the ~~minimum~~ **maximum** parking ~~required~~ **permitted** in Chapter 20.05; PK: Parking Standards.

Page 3-30 Downtown Gateway Overlay

20.03.330(c)

(3) *Nonresidential Parking Standards:* Seventy-five percent (75%) of the ~~minimum~~ **maximum** parking ~~required~~ **permitted** in Chapter 20.05; PK: Parking Standards.

Page 3-36 Showers Technology Park Overlay

20.03.400(c)(3) *Nonresidential Parking Standards*

(B) Other Nonresidential Uses: Seventy-five percent (75%) of the ~~minimum~~ **maximum** parking ~~required~~ **permitted** in Chapter 20.05; PK: Parking Standards.

Page 5-8

20.05.009(d)

(3) *Single-Family Residential Parking:* Parking requirements may be reduced to **a maximum of** one (1) on-site parking space per single-family house when adequate adjacent on-street parking is available.

Page 5-22

20.05.026 CU-04[Conditional Use; Bed and Breakfast Establishments]

- (c) The establishment shall provide a maximum of one (1) parking space per guest room in addition to the spaces required for the dwelling unit.

Page 5-22

20.05.28 CU-06[Conditional Use; Retail Low Intensity and Restaurant Limited Service]

- (e) Parking: Parking spaces shall be provided at a fifty percent (50%) reduction from the requirements of Chapter 20.05; PK: Parking Standards, with a minimum maximum of three (3) spaces for any accessory commercial use. Parking spaces for the primary use shall not be used to satisfy this requirement.

Page 5-40 Green Development Incentives

20.05.049(a)(3)

- (C) Provision of automobile parking at least twenty-five percent (25%) below required minimums permitted maximums, coupled with provision of bicycle parking at least fifty percent (50%) above required minimums. Fulfillment of this Sustainable Development Practice shall not require a variance from development standards.

Page 5-67

20.05.069 PK-01 [Parking Standards; General]

- (a) Maximum Number of Parking Spaces Required Permitted:

(1) Minimum Maximum Number of Parking Spaces Required Permitted:

- (A) Unless specifically stated otherwise in the Unified Development Ordinance, the number of on-site parking spaces shall be as specified in Section 20.05.074; Exhibit PK-A: Required Maximum Number of Parking Spaces Permitted by Land Use.

(2) Maximum Number of Parking Spaces: Unless specifically stated otherwise in the Unified Development Ordinance, additional on-site parking spaces above the minimum required number may be provided based on the following standards:

- (A) For sites where fifteen (15) or fewer parking spaces are required by this Ordinance, a maximum of four (4) additional parking spaces above the minimum requirement may be provided.
(B) For sites where sixteen (16) or more parking spaces are required by this Ordinance, additional parking spaces may be provided up to a maximum of fifteen percent (15%) above the minimum requirement.
(C) Single family residences are exempt from the maximum parking requirement.

(2) Exceptions: The parking ratios contained in Section 20.05.074; Exhibit PK-A shall be considered minimum parking requirements for the following uses:

- (A) Single family residential uses;
(B) Multifamily residential units located within or adjacent to the Residential Core (RC) zoning district and multifamily residential units located within the Commercial Downtown (CD) zoning district.
(i) For sites where fifteen (15) or fewer parking spaces are required by this Ordinance, a maximum of four (4) additional parking spaces above the minimum requirement may be provided.
(ii) For sites where sixteen (16) or more parking spaces are required by this Ordinance, additional parking spaces may be provided up to a maximum of fifteen percent (15%) above the minimum requirement.

(3) Display Vehicles – Parking spaces for vehicles that are specifically displayed for purchase or rental shall not be included in the calculation of maximum parking requirements.

- (3) ~~Reduction of Number of Spaces:~~ Upon the approval of the Planning Director, a parking lot may be built with fewer spaces than the required minimum spaces in *Exhibit PK A: Required Number of Parking Spaces by Land Use* if the following standards are met:
- (A) ~~Landbank Area:~~ Adequate space shall be landbanked such that the full number of parking spaces required in *Section 20.05.074; Exhibit PK A: Required Number of Parking Spaces by Land Use* can be built on site at a later date, should the need arise.
 - (i) ~~Parking Design Required:~~ A design shall be presented showing how the full number of parking spaces required in *Section 20.05.074; Exhibit PK A: Required Number of Parking Spaces by Land Use* would be installed, and how drainage would be handled. This design shall be approved by the planning staff.
 - (ii) ~~Maximum Reduction:~~ Under no circumstances shall less than fifty percent (50%) of the spaces required by *Section 20.05.074; Exhibit PK A: Required Number of Parking Spaces by Land Use* be installed.
 - (B) ~~Mixed Uses:~~ Where a development contains multiple land uses with different peak travel generation, the total required parking spaces may be reduced by the Planning Director. In such instances, parking space reductions shall be determined by utilizing the ITE: Trip Generation standards or similar professional parking or travel demand standards.
 - (C) ~~Multi-modal Proximity:~~ Where a development is located within one-tenth (0.10) of a mile of a public transit stop or a multiuse trail facility, the minimum parking requirement may be reduced by up to a maximum of fifteen percent (15%).

Page 5-68

20.05.069(e)(2) *Shared Parking Facilities:*

- (A) Authorization: In those situations where a minimum number of parking spaces is required, the owners of two (2) or more properties may join together to provide the required parking spaces for their respective uses. Upon request by the owners and after review of the request by the Planning Director, the Planning Director may authorize the shared use of parking facilities under the following conditions:
 - (i) Minimum: In a shared parking arrangement, each property shall provide a minimum of sixty percent (60%) of the individual parking requirements. In no case shall the total combined parking spaces be less than one hundred and twenty percent (120%) of the greater individual parking requirement.
 - (ii) Proximity: Any property utilizing shared parking facilities shall be located within three hundred (300) feet of such parking facility, using established sidewalks and crosswalks where available.
- (B) Shared Parking Agreement: The property owner seeking leased spaces shall provide a recordable zoning commitment to the Planning Department stating that in the case where leased spaces are no longer available, that an adequate parking alternative will be provided.

Page 5-68

20.05.069

- (f) ~~Stacked Parking:~~ Stacked parking arrangements are permitted. spaces shall not be used to fulfill minimum parking space requirements. Single family residences are exempt from this provision.

Page 5-70

20.05.069

- (l) ~~On-street Parking:~~ The Planning Director may approve the utilization of on-street parking spaces to count toward the provision of the minimum number of spaces required for the development. Such necessary on-street spaces shall be located along the property frontage on the same side of the street as the development requesting their use. In cases where new on-street spaces are being created as a component of the development, the design of such spaces shall meet the standards of the City Engineering Department.

20.05.069

Subsections (m) and (n) will be re-lettered to read (l) and (m) as a result of the deletion of the original Subsection (l) as noted above.

Page 5-72 PK-05 [Parking Standards; Commercial Downtown]

20.05.073

- (a) ~~Minimum Number of Parking Spaces Required: Minimum p~~ Parking requirements for all uses shall be as defined in the applicable Overlay District in *Chapter 20.03: Overlay Districts*.

Page 5-73, 5-74, 5-75, 5-76

20.05.074 Exhibit PK-A [~~Required~~ Maximum Number of Permitted Parking Spaces by Land Use]

Page 7-24 Sustainable Development Incentives

20.07.200(a)(3)

- (C) Provision of automobile parking at least twenty-five percent (25%) below ~~required~~ permitted minimums maximums, coupled with provision of bicycle parking at least fifty percent (50%) above required minimums. Fulfillment of this Sustainable Development Practice shall not require a variance from development standards.

Page 8-4

20.08.060(b)

- (2) *Parking Setback/Impervious Surface Coverage*: If a site can be brought closer to compliance with required setbacks or impervious surface coverage standards ~~can be achieved without a net loss of parking spaces or without the reduction of spaces below the maximum number of parking spaces allowed~~ through the removal of excess parking above the maximum number of permitted spaces, then such setbacks or impervious surface coverage standards shall be met with the removal of asphalt paved and gravel covered areas and the addition of vegetation. If all setbacks cannot be achieved through the removal of such paved and gravel covered areas, priority shall be given to the front setback.

- (14) *Entrances and Drives*: All entrances and drives shall be brought into compliance with *Chapter 20.05; §ED: Entrance and Drive Standards*, with the exception of driveway location requirements.

Page 8-5

20.08.060(d)

- (2) *Parking Setback/Impervious Surface Coverage*: If a site can be brought closer to compliance with required setbacks or impervious surface coverage standards ~~can be achieved without a net loss of parking spaces or without the reduction of spaces below the maximum number of parking spaces allowed~~ through the removal of excess parking above the maximum number of permitted spaces, then such setbacks or impervious surface coverage standards shall be met with the removal of asphalt paved and gravel covered areas and the addition of vegetation. If all setbacks cannot be achieved through the removal of such paved and gravel covered areas, priority shall be given to the front setback.

- (12) *Entrances and Drives*: All entrances and drives shall be brought into compliance with *Chapter 20.05; §ED: Entrance and Drive Standards*, with the exception of driveway location requirements.

Page 8-5

20.08.060

- (e) A lawful nonconforming site or structure for a single-family use shall not be brought into compliance with current development standards at such time as an addition or modification occurs, except that the addition or modification may not increase the degree of nonconformity regarding maximum impervious surface coverage and parking requirements. Enlargement or modification of an existing driveway shall be subject to *Subsection 20.05.036(g)*. Changes to nonconforming uses and structures containing nonconforming uses involving occupancy of unrelated adults are subject to *Section 20.08.030: Residential Occupancy* and *Section 20.08.040: Certificate of Nonconforming Use*.

Ordinance 09-12

Amendments to Title 20 (Unified Development Ordinance) Adopted by the Plan Commission

Council Amendment #: CCL-003 Plan Commission Amendment #: **UDO – 082**

Sponsor: Sturbaum Date: Forthcoming

Synopsis

Requires landscaping be installed when buildings are demolished unless a development plan is approved

This amendment would add a new requirement for demolition permits. Specifically, any request for a demolition permit would be required to provide a post-demolition landscape plan for the site. Once the demolition has been completed, the site would have to be landscaped as shown on the approved plan. A site could only be released from this requirement if the demolition permit is accompanied by a proposed development plan that is submitted to the Planning Department to initiate the review process.

Plan Commission Deny [2:7]

Action:

Councilmember Sturbaum intends to modify this amendment to address some of the concerns addressed by the Plan Commission.

Council Action:

Action Date:

Page 5-52

20.05.057 LA-06 [Landscaping Standards; Vacant Lot Landscaping]

This Landscaping Standards section applies to the following zoning districts:

[RM] [RH] [CL] [CG] [CA] [CD] [IG] [BP] [IN] [MD]

- (a) **Applicability:** Any lot with frontage on a public street shall be subject to the requirements of this section.
- (b) **Timing:** Vacant lot landscaping shall be installed on lots subject to these requirements within sixty (60) days of the completion of demolition of any primary structure on such lots, unless:
 - (1) The Planning Director has granted an extension of this time frame due to the season or inclement weather; or
 - (2) A site plan has been approved for the reuse of the property.
- (c) **Planting Requirements:**
 - (1) **Groundcover:** All areas of the lot not planted with required trees or shrubs shall be covered with grass.
 - (2) **Trees:** A minimum of seven (7) large canopy trees shall be planted per acre of lot area.
 - (3) **Shrubs:** A minimum of twenty-seven (27) shrubs shall be planted per acre of lot area, at least fifty percent (50%) of which shall be evergreen shrubs.
 - (4) **Location:** A minimum of fifty percent (50%) of the required plantings shall be placed within twenty (20) feet of the lot's front property line.

[Subsequent sections of Chapter 20.05 will be renumbered to accommodate the inclusion of this new section.]

Page 9-31

20.09.230

(d) **Demolition Landscaping**

- (1) *Applicability:* A demolition permit application for a lot subject to the standards of *Section 20.05.057: Landscaping Standards; Vacant Lot Landscaping* shall meet the requirements of this section.
- (2) *Vacant Lot Landscaping Plan:* Any demolition permit application subject to this section shall be accompanied by a Vacant Lot Landscaping Plan meeting the standards of *Section 20.05.057: Landscaping Standards; Vacant Lot Landscaping*.
- (3) *Exemption:* A demolition permit application shall be exempt from the requirements of this section if a site plan approval for the reuse of the subject lot has been obtained.

Ordinance 09-12
Amendments to Title 20 (Unified Development Ordinance) Adopted by the Plan Commission

Council Amendment #: **CCL-006** Plan Commission Amendment #: UDO – 034

Submitted By: Plan Staff Date: July 17, 2009

Synopsis

Prohibits external illumination of temporary signs.

This amendment would prohibit externally illuminated temporary signs. Internally illuminated temporary signs would still be permitted. The installation of external lighting equipment makes it more likely that a temporary sign would become permanent, whereas a temporary sign with an internal illumination mechanism is much easier to remove at the required time. In addition, it is very difficult to enforce light-shielding requirements when the lighting equipment is only temporary and likely to be gone by the time enforcement action can be initiated.

Plan Commission Adopt [6:0]

Action:

Plan Staff submitted CCL-006 to include definitions of “externally illuminated” and “internally illuminated” signs in order to address concerns raised by the Council.

Council Action:

Action Date:

Page 5-84

20.05.079 Sign Standards; Temporary Signs

This Sign Standards section applies to the following zoning districts:

- (a) Nonresidential Uses and Multifamily Complexes: Conforming nonresidential uses and multifamily complexes with at least fifteen (15) dwelling units are permitted to display temporary signage as follows:
- (1) *Area*: Temporary signs shall not exceed sixteen (16) square feet in area per side.
 - (2) *Height*: Freestanding temporary signs shall not exceed six (6) feet in height above the ground.
 - (3) *Type*: Temporary sign types shall be limited to printed banners or freestanding, portable signs.
 - (4) *Lighting*: External illumination of temporary signs shall be prohibited.
 - (4)(5) *Number*:
 - (A) Individual nonresidential uses shall be permitted a maximum of three (3) temporary signs.
 - (B) Multifamily complexes with at least fifteen (15) units shall be permitted a maximum of three (3) temporary signs.
 - (C) Individual tenants within nonresidential centers shall be permitted a maximum of one (1) temporary sign.
 - (5)(6) *Display Periods*: Temporary signs shall be permitted for the following durations:
 - (A) Display of temporary signs shall be permitted for three (3) periods of up to thirty (30) days per period, per calendar year.
 - (B) All temporary signs shall receive a Sign Permit from the Planning Department prior to being displayed.
 - (C) The three (3) temporary sign display periods provided in *Subdivision 20.05.079(k)(5)(A)* above may be combined, provided that a separate permit is obtained for each display period.
 - (6)(7) *Grand Opening Events*:
 - (A) New businesses, including multifamily complexes of fifteen (15) units or greater, shall be permitted a single grand opening event sign display during which the number, type and size of temporary signs shall

not be limited.

- (B) Grand opening event sign displays shall not exceed thirty (30) consecutive days, and shall count as one (1) of the permitted display periods as described in *Subdivision 20.05.079(a)(5)(A)* above.

Page 11-39

Chapter 20.11 Definitions

Sign, Externally Illuminated: A sign that is illuminated by an external source of light intentionally directed upon the sign face.

Sign, Internally Illuminated: A sign whose light source is either located in the interior of the sign so that the light goes through the face of the sign, or which is attached to the face of the sign and is perceived as a design element of the sign.

Ordinance 09-12
Amendments to Title 20 (Unified Development Ordinance) Adopted by the Plan Commission

Council Amendment #: **CCL-009** Plan Commission Amendment #: UDO – 069
Submitted By: Plan Staff Date: July 17, 2009

Synopsis

Revises list of landscaping to add native species and prohibit certain invasive species

This amendment completely revises the landscaping tables of the UDO to reflect input received from both the Senior Environmental Planner and the Environmental Commission. Specifically, the modifications to the tables are designed to promote the planting of native species and to update the lists of prohibited invasive species.

Plan Commission Adopt [10:0]
Action:

Council Action: Postpone Consideration until 8 – 0 (Absent: Volan)
 August 5, 2009
Action Date: July 8, 2009

Council Action Move Consideration from August Adopt 8 – 0 (Absent: Mayer)
 5th to July 29th
Action Date: July 15, 2009

Plan Staff submitted CCL-009 in order to clarify which cultivars of “flowering crabapple” trees were permitted and which have poor characteristics.

Council Action:
Action Date:

Page 5-53

20.05.057 Exhibits LA-A: Permitted Plant Species by Characteristics and Location

Street Trees

Trees suitable for planting along public streets and highways, parking lots, and in locations where low maintenance and hardy constitution are required.
(bold indicates native species)

Large street trees 45’ and over at mature height

Common Name	Scientific Name
Black Maple	<i>Acer nigrum</i>
Red Maple	<i>Acer rubrum</i>
Sugar Maple	<i>Acer saccharum</i>
Sugar Hackberry	<i>Celtis laevigata</i>
Hackberry	<i>Celtis occidentalis</i>

American Beech	<i>Fagus grandfolia</i>
European Beech	<i>Fagus sylvatica</i>
Ginkgo	<i>Ginkgo biloba</i>
Thornless Honeylocust	<i>Gleditsia triacanthos inermis</i>
Kentucky Coffee Tree	<i>Gymnocladus dioica</i>
Sweetgum	<i>Liquidambar styraciflura</i>
Tulip Tree	<i>Liriodendron tulipifera</i>
Cucumbertree	<i>Magnolia acuminata</i>
Blackgum or Tupelo	<i>Nyssa sylvatica</i>
Sycamore	<i>Platanus occidentalis</i>
London Planetree	<i>Plantanus x acerfolia</i>
Sawtooth Oak	<i>Quercus acutissima</i>
White Oak	<i>Quercus alba</i>
Swamp White Oak	<i>Quercus bicolor</i>
Scarlet Oak	<i>Quercus coccinea</i>
Shingle Oak	<i>Quercus imbricaria</i>
Bur Oak	<i>Quercus macrocarpa</i>
English Oak	<i>Quercus robur</i>
Red Oak	<i>Quercus rubra</i>
Shumard Oak	<i>Quercus shumardii</i>
Black Oak	<i>Quercus velutina</i>
Bald Cypress	<i>Taxodium distichum</i>
Basswood or American Linden	<i>Tilia Americana</i>
Littleleaf Linden	<i>Tilia cordata</i>
Silver Linden	<i>Tilia tomentosa</i>
Crimean Linden	<i>Tilia x euchiora</i>
Homestead Elm	<i>Ulmus x</i>
Japanese Zelkova	<i>Zelkova serrata</i>

Medium street trees 25' to 45' at mature height

Common Name	Scientific Name
Hedge Maple	<i>Acer campestre</i>
Nikko Maple	<i>Acer nikoense</i>
Autumn Flame Red Maple	<i>Acer rubrum</i>
Roughbark or Three-Flowered Maple	<i>Acer triflorum</i>
Downy Serviceberry	<i>Amelanchier arborea</i>
Whitespire Birch	<i>Betula platyphylla japonica</i>
European Hornbeam	<i>Carpinus betulus</i>
American Hornbeam or Blue Beech	<i>Carpinus caroliniana</i>
Katsura Tree	<i>Cercidiphyllum japonicum</i>
Yellowwood	<i>Cladrastis lutea</i>
Turkish Filbert	<i>Corylus colurna</i>
Golden Raintree	<i>Koelreuteria paniculata</i>
Magnolia	species
Hop Hornbeam or Ironwood	<i>Ostrya virginiana</i>
Purple Robe Locust	<i>Robinia x ambigua</i>

Small street trees under 25' at mature height

Common Name	Scientific Name
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Paperbark Maple	<i>Acer griseum</i>
Tartarian Maple	<i>Acer tartaricum</i>
Shadblow Serviceberry	<i>Amelanchier canadensis</i>
Apple Serviceberry hybrids	<i>Amelanchier x grandiflora</i>
Allegheny Serviceberry	<i>Amelanchier laevis</i>
Eastern Redbud	<i>Cercis canadensis</i>
Flowering Dogwood	<i>Cornus florida</i>
Kousa Dogwood	<i>Cornus kousa chinensis</i>
Thornless Cockspur Hawthorn	<i>Crataegus crus-galli</i>
Washington Hawthorn	<i>Crataegus phaenopyrum</i>
Green Hawthorn	<i>Crataegus viridis</i>
Flowering Crabapple	<i>Malus sp.</i>
	<i>Cultivars: 'Adirondack', baccata 'Jackii', 'Bechtel', 'Centzam', 'David', 'Hargozam', 'Pink Spires', 'Prairie Fire', 'Red Barron', 'Red Jewel', 'Sinai Fire', 'Van Esline', 'Winter Gold', x zumi 'Calocarpa'</i>
Japanese Tree Lilac	<i>Syringa reticulata</i>

Interior Trees

Trees suitable for use within the interior of a site. Permitted street tree species listed in previous tables may also be used in addition to the species identified below.

(bold indicates native species)

Large trees 45' and over at mature height

Common Name	Scientific Name
Ohio Buckeye	<i>Aesculus glabra</i>
Yellow Buckeye	<i>Aesculus octandra</i>
Horsechestnut or Buckeye	<i>Aesculus sp.</i>
Bitternut Hickory	<i>Carya cordiformis</i>
Pignut Hickory	<i>Carya glabra</i>
Shellbark Hickory	<i>Carya laciniosa</i>
Shagbark Hickory	<i>Carya ovata</i>
Mockernut Hickory	<i>Carya tomentosa</i>
Northern Catalpa	<i>Catalpa speciosa</i>
American Holly	<i>Ilex opaca</i>
Black Walnut	<i>Juglans nigra</i>
White Pine	<i>Pinus strobes</i>
Virginia Pine	<i>Pinus virginiana</i>
Black Cherry	<i>Prunus serotina</i>
Chestnut Oak	<i>Quercus prinus</i>
Canadian or Eastern Hemlock	<i>Tsuga Canadensis</i>

Medium trees 25' to 45' at mature height

Common Name	Scientific Name
River Birch	<i>Betula nigra</i>
Hardy Rubber Tree	<i>Eucommia ulmoides</i>
Sassafras	<i>Sassafras albidum</i>
Arborvitae	<i>Thuja occidentalis</i>

Small trees under 25' tall at mature height

Common Name	Scientific Name
Red Buckeye	<i>Aesculus pavia</i>
Pawpaw	<i>Asimina triloba</i>
Dwarf Hackberry	<i>Celtis tenuifolia</i>
Pagoda Dogwood	<i>Cornus alternifolia</i>
Smoke Tree	<i>Cotinus coggygria</i>
Silverbell	<i>Halesia carolina</i>
Wild Plum	<i>Prunus Americana</i>
Oriental or Flowering Cherry	<i>Prunus</i>

Shrubs, Bushes, & Hedges

Plants suitable for individual, screen, biohedge uses (up to 12 feet at mature height)
(bold indicates native species)

Common Name	Scientific Name
Red Chokeberry	<i>Aronia arbutifolia</i>
Black Chokeberry	<i>Aronia melanocarpa</i>
Boxwood	<i>Buxus</i> species
Caolinia Allspice or Sweet Shrub	<i>Calycanthus floridus</i>
New Jersey Tea	<i>Ceanothus americanus</i>
Buttonbush	<i>Cephalanthus occidentalis</i>
Flowering Quince	<i>Chaenomeles</i>
False Cypress	<i>Chamaecyparis</i>
Gray Dogwood	<i>Cornus racemosa</i>
American Hazelnut	<i>Corylus Americana</i>
Cotoneaster	<i>Cotoneaster</i>
Silverbell shrub	<i>Halesia tetraptera</i>
Spring Witch Hazel	<i>Hamamelis vernalis</i>
Eastern Witch Hazel	<i>Hamamelis virginiana</i>
Wild Hydrangia	<i>Hydrangia arborescens</i>
Oakleaf Hydrangia	<i>Hydrangia quercifolia</i>
Winterberry Holly	<i>Ilex verticillata</i>
Virginia Sweetspire	<i>Itea virginica</i>
Juniper	<i>Juniper</i> species
Spicebush	<i>Lindera benzoin</i>
Mockorange	<i>Philadelphus</i>
Ninebark	<i>Physocarpus opulifolius</i>
Shrubby Cinquefoil	<i>Potentilla</i>
Purple Leaf Sand Cherry	<i>Prunus cistena</i>
Sand Cherry	<i>Prunus pumila</i>
Rhododendron	<i>Rhododendron</i> species
Lilac	<i>Syringa vulgaris</i>
Fragrant Sumac	<i>Rhus aromatica</i>
Winged Sumac	<i>Rhus copallina</i>
Shinning Sumac	<i>Rhus glabra</i>
Staghorn Sumac	<i>Rhus typhina</i>
Virginia Rose	<i>Rosa virginiana</i>
Pussy Willow	<i>Salix discolor</i>

Bladdernut	<i>Staphylea trifolia</i>
Coralberry or Indian Currant	<i>Symphoricarpos orbiculatus</i>
Canadian Yew	<i>Taxus canadensis</i>
Weeping Hemlock	<i>Tsuga Canadensis 'pendula'</i>
Highbush Blueberry	<i>Vaccinium corymbosum</i>
Mapleleaf Viburnum	<i>Viburnum acerifolium</i>
Arrowwood	<i>Viburnum dentatum</i>
Nannyberry	<i>Viburnum lentago</i>
Black Haw	<i>Viburnum prunifolium</i>
American Highbush Cranberry	<i>Viburnum trilobum</i>
Prickly Ash	<i>Zanthoxylum americanum</i>

Herbaceous Perennial Plants

Plants suitable for infill, aesthetics, and cover

(bold indicates native species)

Flowering Perennials

Common Name	Scientific Name
Columbine	<i>Aquilegia canadensis</i>
Swamp or Marsh Milkweed	<i>Asclepias incarnata</i>
Common Milkweed	<i>Asclepias syriaca</i>
Butterflyweed	<i>Asclepias tuberosa</i>
Smooth Aster	<i>Aster laevis</i>
Short's Aster	<i>Aster shortii</i>
False Blue Indigo	<i>Baptisia australis</i>
Tall Coreopsis	<i>Coreopsis tripteris</i>
Larkspur	<i>Delphinium tricorne</i>
Purple Coneflower	<i>Echinacea purpurea</i>
Spotted-Joe-Pye-Weed	<i>Eupatorium maculatum</i>
Wild Geranium	<i>Geranium maculatum</i>
Autumn Sneezeweed	<i>Helenium autumnale</i>
Stiff or Prairie Sunflower	<i>Helianthus pauciflorus</i>
False Sunflower	<i>Heliopsis helianthoides</i>
Hosta	<i>Hosta</i> species
Violet Lespedeza	<i>Lespedeza violacea</i>
Prairie Blazing Star	<i>Liatris pycnostachya</i>
Dense Blazing Star	<i>Liatrus spicata</i>
Cardinal Flower	<i>Lobelia cardinalis</i>
Great Blue Lobelia	<i>Lobelia siphilitica</i>
Virginia Bluebells	<i>Mertensia virginica</i>
Bergamot or Bee-balm	<i>Monarda fistulosa</i>
Purple Prairie Clover	<i>Petalostemum purpureum</i>
Blue Phlox	<i>Phlox divaricata</i>
Summer Phlox	<i>Phlox paniculata</i>
Obedient Plant	<i>Physostegia virginiana</i>
Yellow Coneflower	<i>Ratibida pinnata</i>
Black-Eyed-Susan	<i>Rudbeckia hirta</i>
Green-Headed Coneflower	<i>Rudbeckia laciniata</i>
Sweet Coneflower	<i>Rudbeckia subtomentosa</i>
Stiff Goldenrod	<i>Solidago rigida</i>

Blue-stemed Goldenrod	<i>Solidago caesia</i>
Grey Goldenrod	<i>Solidago nemoralis</i>
Royal Catchfly	<i>Silene regia</i>
Fire Pink	<i>Silene virginica</i>
Celandine Poppy	<i>Stylophorum diphyllum</i>
Culver's Root	<i>Veronicastrum virginicum</i>
Violet	<i>Viola sororia</i>

Ground Covers

<u>Common Name</u>	<u>Scientific Name</u>
Canada Anemone	<i>Anemone canadensis</i>
Wild Ginger	<i>Asarum canadense</i>
Palm Sedge	<i>Carex muskingumensis</i>
Common Oak Sedge	<i>Carex pensylvanica</i>
Green and Gold	<i>Chrysogonum virginianum</i>
Running Strawberry Bush	<i>Euonymus obovatus</i>
Wild Strawberry	<i>Fragaria virginiana</i>
Dwarf Crested Iris	<i>Iris cristata</i>
Creeping Phlox	<i>Phlox subulata</i>
Partridge Berry	<i>Mitchella repens</i>
Wild Stonecrop	<i>Sedum ternatum</i>
Foam Flower	<i>Tiarella cordifolia</i>

Vines

<u>Common Name</u>	<u>Scientific Name</u>
Woolly Douchman's Pipe	<i>Aristolochia tomentosa</i>
Crossvine	<i>Bignonia capreolata</i>
Trumpet Creeper	<i>Campsis radicans</i>
American Bittersweet	<i>Celastrus scandens</i>
Virgin's Bower (native clematis)	<i>Clematis virginiana</i>
Virginia Creeper	<i>Parthenocissus quinquefolia</i>

Plants Suitable for Erosion Control

<u>Common Name</u>	<u>Scientific Name</u>
Canada Anemone	<i>Anemone canadensis</i>
Wild Ginger	<i>Asarum canadense</i>
Canada Milkvetch	<i>Astragalus canadensis</i>
Sideoats Grama	<i>Bouteloua curtipendula</i>
Roundheaded bushclover	<i>Lespedeza capitata</i>
Switch Grass	<i>Panicum virgatum</i>
Little Bluestem	<i>Schizachyrium scoparium</i>
Coralberry	<i>Symphoricarpos orbiculatus</i>
Goat's Rue	<i>Tephrosia virginiana</i>
Purple Vetch	<i>Vinca americana</i>

Ferns

<u>Common Name</u>	<u>Scientific Name</u>
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Maidenhair Fern	<i>Adiantum pedatum</i>
Lady Fern	<i>Athyrium filix-femina</i>
Giant Wood Fern or Goldie's Fern	<i>Dryopteris goldiana</i>
Evergreen Shield Fern	<i>Dryopteris marginalis</i>
Ostrich Fern	<i>Matteuccia struthiopteris</i>
Cinnamon Fern	<i>Osmunda cinnamomea</i>
Christmas Fern	<i>Polystichum acrostichoides</i>

Grasses

Common Name	Scientific Name
Big Bluestem	<i>Andropogon gerardii</i>
Side-Oats Gramma	<i>Bouteloua curtipendula</i>
Bottlebrush Grass	<i>Elymus hystrix</i>
June Grass	<i>Koeleria macrantha</i>
Switch Grass	<i>Panicum virgatum</i>
Little Bluestem	<i>Schizachyrium scoparium</i>
Prarie Dropseed	<i>Sporobolus heterolepis</i>

20.05.058 Exhibit LA-B: Invasive Species, Species with Poor Characteristics and Noxious or Detrimental Plants

Species considered unacceptable and that should not be planted because of invasive characteristics, weak wood, and/or abundant litter.

* = Indiana State-listed noxious weeds (USDA, INDNR, &/or State Seed Commissioner)

+ = Indiana detrimental plants (INDNR)

Unacceptable Plants

Invasive Trees

Common Name	Scientific Name
Amur Maple	<i>Acer ginnala</i>
Norway Maple	<i>Acer platanoides</i>
Tree-of-Heaven	<i>Ailanthus altissima</i>
Russian Olive	<i>Elaeagnus angustifolia</i>
Autumn Olive	<i>Elaeagnus umbellata</i>
White Mulberry	<i>Morus alba</i>
European or Common Buckthorn	<i>Rhamnus cathartica</i>
Glossy or Smooth Buckthorn	<i>Rhamnus frangula</i>
Buckthorn Tallhedge	<i>Rhamnus frangula columnaris</i>
Black Locus	<i>Robinia pseudoacacia</i>
Siberian Elm	<i>Ulmus pumila</i>

Trees with Poor Characteristics

Common Name	Scientific Name
Box Elder	<i>Acer negundo</i>
Silver maple	<i>Acer saccharinum</i>
European White Birch	<i>Betula pendula</i>
Ash	<i>Fraxinus species</i>
Gingko (female only)	<i>Gingko biloba</i>

Flowering Crabapple	<i>Malus</i>
Cultivars: 'Brandywine', 'Candied Apple', 'Donald Wyman', 'Doubloons', 'Indian Magic', 'Indiana Summer', 'Liset', 'Madonna', 'Mary Potter', 'Prairie Maid', 'Profusion', 'Robinson', 'Selkirk', 'Sentinel', 'Snowdrift', 'Sugar Tyme', 'Velvet Pillar', 'White Cascade', 'White Candle'.	
Bradford Pear	<i>Pyrus calleryana</i>
American Elm	<i>Ulmus Americana</i>

Invasive Herbaceous Perennials

Common Name	Scientific Name
Wild Garlic and Wild Onion	<i>Alliums spp.</i> *
Garlic Mustard	<i>Alliaria petiolata</i>
Cornflower or Bachelor's Button	<i>Centaurea cyanus</i>
Russian Knapweed	<i>Centaurea repens</i> *
Canada Thistle	<i>Cirsium arvense</i> *+
Grecian Foxglove	<i>Digitalis lanata</i>
Teasel	<i>Dipsacus fullonum ssp. Sylvestris</i>
Giant Hogweed	<i>Fallopia japonica</i>
Dame's Rocket	<i>Hesperis matronalis</i>
Meadow Fleabane or British Yellowhead	<i>Inula britannica</i>
Sericea Lespedeza	<i>Lespedeza cuneata</i>
Purple Loosestrife	<i>Lythrum salicaria</i> *
Sweet Clover	<i>Melilotus alba, M. officinalis</i>
Star of Bethlehem	<i>Ornithogalum umbellatum</i>
Japanese Knotweed	<i>Polygonum cuspidatum</i>
Perennial Sowthistle	<i>Sonchus arvensis</i> *

Invasive Grasses

Common Name	Scientific Name
Quackgrass	<i>Agropyron repens</i> *
Smooth Brome	<i>Bromus inermis</i>
Tall Fescue	<i>Festuca elatior</i>
Perennial Peppergrass	<i>Lepidium draba</i> *
Japanese Stilt Grass	<i>Microstegium vimineum</i>
Maiden Grass	<i>Miscanthus sinensis</i>
Reed Canary Grass	<i>Phalaris arundinacea</i>
Common Reed Grass	<i>Phragmites australis</i>
Columbus Grass	<i>Sorghum almun Parodi</i> *
Shattercane	<i>Sorghum bicolor</i> *+
Johnson Grass or Sorghum Almun	<i>Sorghum halepense</i> *+

Invasive Vines and Groundcovers

Common Name	Scientific Name
Oriental Bittersweet	<i>Celastrus orbiculatus</i>
Field Bindweed	<i>Convolvulus arvensis</i> *
Crown Vetch	<i>Coronilla varia</i>
Black Swallow-Wort	<i>Cynanchum nigrum, syn. Vincetoxicum nigrum</i>
Pale Swallow-Wort	<i>Cynanchum rossicum</i>
Potato vine	<i>Dioscorea batatas</i>

Chinese Yam	<i>Dioscorea oppositifolia</i>
Purple Winter Creeper	<i>Euonymus fortunei</i>
Creeping Charlie	<i>Glechoma hederacea</i>
English Ivy	<i>Hedera helix</i>
Japanese Hops	<i>Humulus japonicus</i>
Japanese Honeysuckle	<i>Lonicera japonica</i>
Amur Honeysuckle	<i>Lonicera maackii</i>
Creeping Jenny or Moneywort	<i>Lysimachia nummularia</i>
Mile-A-Minute Weed	<i>Polygonum perfoliatum</i>
Kudzu	<i>Pueraria montana lobata</i>
Poison Ivy	<i>Rhus radicans</i>
Bur Cucumber	<i>Sicyos angulatus</i> *+
Periwinkle or Myrtle	<i>Vinca minor</i>

Invasive Shrubs

Common Name	Scientific Name
Black Alder	<i>Alnus glutinosa</i>
Japanese Barberry	<i>Berberis thunbergii</i>
Butterfly Bush	<i>Buddleia davidii</i>
Asiatic Bittersweet	<i>Celastrus scandens</i>
Burning Bush	<i>Euonymus alatus</i>
Bicolor Lespedeza	<i>Lespedeza bicolor</i>
Common Privet	<i>Ligustrum vulgare</i>
Bush or Amur Honeysuckle	<i>Lonicera maackii</i>
Morrow's Honeysuckle	<i>Lonicera morowii</i>
Tatarian Honeysuckle	<i>Lonicera tatarica</i>
Multiflora Rose	<i>Rosa multiflora</i> *
Japanese Spirea	<i>Spiraea japonica</i>
Atlantic Poison Oak	<i>Toxicodendron pubescens</i> , syn. <i>Rhus pubescens</i>
Poison Sumac	<i>Toxicodendron vernix</i> , syn <i>Rhus vernix</i>
European Highbush Cranberry	<i>Viburnum opulus v. opulus</i>

(a) Deciduous Canopy Trees — Street:

Trees suitable for planting along public streets and highways and in locations where low maintenance, hardy specimens with high canopies are required.

<i>Acer nigrum</i>	Black Maple
<i>Acer rubrum</i>	Red Maple
<i>Acer saccharum</i>	Sugar Maple
<i>Acer x freemanii</i>	Freeman Maple
<i>Aesculus hippocastanum</i>	Horse Chestnut
<i>Aesculus glabra</i>	Ohio Buckeye
<i>Aesculus x carnea</i>	Red Horse Chestnut
<i>Alnus glutinosa</i>	Black Alder
<i>Betula nigra</i>	River Birch
<i>Celtis laevigata</i>	Sugar Hackberry
<i>Celtis occidentalis</i>	Common Hackberry
<i>Fagus grandifolia</i>	American Beech
<i>Fagus sylvatica</i>	European Beech
<i>Ginkgo biloba</i>	Ginkgo (male only)
<i>Gleditsia tricanthos</i>	Honeylocust

<i>Gymnocladus dioica</i>	Kentucky Coffee Tree
<i>Liquidambar styraciflura</i>	Sweet Gum
<i>Liriodendron tulipifera</i>	Tulip Tree
<i>Metasequoia glyptostroboides</i>	Dawn Redwood
<i>Nyssa sylvatica</i>	Black Gum or Tupelo
<i>Platanus occidentalis</i>	Sycamore
<i>Platanus x acerifolia</i>	London Planetree
<i>Quercus acutissima</i>	Sawtooth Oak
<i>Quercus alba</i>	White Oak
<i>Quercus bicolor</i>	Swamp White Oak
<i>Quercus coccinea</i>	Scarlet Oak
<i>Quercus imbricaria</i>	Shingle Oak
<i>Quercus macrocarpa</i>	Bur Oak
<i>Quercus robur</i>	English Oak
<i>Quercus rubra borealis</i>	Northern Red Oak
<i>Quercus shumardii</i>	Shumard Oak
<i>Quercus velutina</i>	Black Oak
<i>Taxodium distichum</i>	Bald Cypress
<i>Zelkova serrata</i>	Japanese Zelkova

(b) Interior Trees:

Trees acceptable for use within the interior of a site. This list includes canopy, ornamental and evergreen trees.

Large Trees (40 feet and over):

<i>Acer saccharum</i>	Sugar Maple
<i>Aesculus octandra</i>	Yellow Buckeye
<i>Aesculus species</i>	Buckeye, Horsechestnut
<i>Carya cordiformis</i>	Bitternut Hickory
<i>Carya glabra</i>	Pignut Hickory
<i>Carya laciniosa</i>	Shellbark Hickory
<i>Carya ovata</i>	Shagbark Hickory
<i>Carya tomentosa</i>	Mockernut Hickory
<i>Catalpa speciosa</i>	Northern Catalpa
<i>Celtis occidentalis</i>	Hackberry
<i>Fagus grandifolia</i>	American Beech
<i>Gymnocladus dioica</i>	Kentucky Coffee Tree
<i>Ilex opaca</i>	American Holly
<i>Junlans nigra</i>	Black Walnut
<i>Liriodendron tulipifera</i>	Tulip Tree
<i>Pinus species</i>	Pine
<i>Pinus strobes</i>	White Pine
<i>Pinus virginiana</i>	Virginia Pine
<i>Prunus serotina</i>	Black Cherry
<i>Quercus imbricaria</i>	Shingle Oak
<i>Quercus macrocarpa</i>	Burr Oak
<i>Quercus prinus</i>	Chestnut Oak
<i>Tilia americana</i>	American Linden
<i>Tsuga Canadensis</i>	Canadian or Eastern Hemlock

Medium Trees (25 to 40 feet):

<i>Acanthopanax sieboldiana</i>	Castor Aralia
<i>Acer campestre</i>	Hedge Maple
<i>Acer maximowiczianum</i>	Nikko Maple

<i>Acer triflorum</i>	Three Flowered Maple
<i>Aesculus glabra</i>	Ohio Buckeye
<i>Amelanchier arborea</i>	Downy Serviceberry
<i>Betula nigra</i>	River Birch
<i>Carpinus betulus</i>	European Hornbeam
<i>Carpinus caroliniana</i>	American Hornbeam
<i>Celtis occidentalis</i>	Hackberry
<i>Cercidiphyllum japonicum</i>	Katsura Tree
<i>Cladrastis kentukea (lutea)</i>	Yellowwood
<i>Corylus colurna</i>	Turkish Filbert
<i>Crataegus crus galli</i>	Cockspur Hawthorn
<i>Crataegus phaenopyrum</i>	Washington Hawthorn
<i>Crataegus viridis</i>	Winter Green King Hawthorn
<i>Diospyros virginiana</i>	Persimmon
<i>Eucommia ulmoides</i>	Hardy Rubber Tree
<i>Juniperis virginiana</i>	Eastern Red Cedar
<i>Maackia amurensis</i>	Amur Maackia
<i>Magnolia species</i>	Magnolia
<i>Ostrya virginiana</i>	Hop Hornbeam
<i>Phellodendron amurense</i>	Amur Corktree
<i>Pyrus calleryana</i>	Callery Pear
<i>Robinia x ambigua</i>	Purple Robe Locust
<i>Sassafras albidum</i>	Sassafras Tree
<i>Thuja occidentalis</i>	Arborvitae

Small Trees (Under 25 feet):

<i>Acer griseum</i>	Paperbark maple
<i>Acer palmatum</i>	Japanese Maple
<i>Acer tartaricum</i>	Tartarian Maple
<i>Aesculus pavia</i>	Red Buckeye
<i>Amelanchier Canadensis</i>	Shadblow Serviceberry
<i>Asimina triloba</i>	Pawpaw
<i>Carpinus carolinia</i>	American Hornbeam or Ironwood
<i>Celtis tenuifolia</i>	Dwarf Hackberry
<i>Cercis canadensis</i>	Eastern Redbud
<i>Cornus alternifolia</i>	Pagoda Dogwood
<i>Cornus florida</i>	Flowering Dogwood
<i>Cornus kousa</i>	Kousa Dogwood
<i>Cornus mas</i>	Cornelian Cherry
<i>Cotinus coggygria</i>	Smoke Tree
<i>Crataegus phaenopyrum</i>	Washington Hawthorne
<i>Crataegus viridis</i>	Green Hawthorn
<i>Halesia Carolina</i>	Silverbell
<i>Malus species</i>	Crabapples
<i>Prunus Americana</i>	Wild Plum
<i>Prunus species</i>	Oriental or Flowering Cherry
<i>Pyrus calleryana</i>	Pear
<i>Syringa reticulata</i>	Japanese Tree Lilac
<i>Viburnum lantana</i>	Wayfaring Tree
<i>Viburnum lentago</i>	Nannyberry Viburnum
<i>Viburnum plicatum tomentosum</i>	Doublefile Viburnum

Viburnum prunifolium ————— Blackhaw Viburnum

(c) Shrubs, Hedges, Vines and Groundcovers:

Plantings acceptable for use in screening, groundcover, wetland enhancement, and erosion control. This category shall include shrubs, biohedges, sedges, forbs, edge vegetation, vines, perennials, and grasses where required by this Unified Development Ordinance.

Shrubs and Biohedges (4 to 12 feet):

<i>Aronia arbutifolia</i>	Red Chokeberry
<i>Aronia melanocarpa</i>	Black Chokeberry
<i>Aster novae-angliae</i>	New England Aster
<i>Berberis</i> species	Barberry
<i>Buddleia davidii</i>	Butterfly Bush
<i>Buxus</i> species	Boxwood
<i>Calycanthus floridus</i>	Sweet Shrub
<i>Ceanothus americanus</i>	New Jersey Tea
<i>Cephalanthus occidentalis</i>	Buttonbush
<i>Chaenomeles</i> species	Flowering Quince
<i>Chamaecyparis</i> species	False Cypress
<i>Cornus alba</i>	Red twig Dogwood
<i>Cornus racemosa</i>	Gray Dogwood
<i>Corylus americana</i>	American Hazelnut
<i>Cotoneaster</i> species	Cotoneaster
<i>Euonymus</i> species	Burning Bush (except for <i>Euonymus fortunei</i>)
<i>Forsythia</i> species	Forsythia
<i>Halesia tetraptera</i>	Silverbell shrub
<i>Hamamelis virginiana</i>	Eastern Witch Hazel
<i>Hamamelis vernalis</i>	Spring Witch Hazel
<i>Hibiscus syriacus</i>	Rose of Sharon
<i>Hydrangia arborescens</i>	Wild Hydrangia
<i>Hydrangea Quercifolia</i>	Oakleaf Hydrangia
<i>Ilex verticillata</i>	Winterberry Holly
<i>Itea virginica</i>	Virginia Sweetspire
<i>Juniperus</i> species	Junipers
<i>Ligustrum obtusifolium</i>	Border Privet
<i>Ligustrum</i>	“Golden Vicaryi” Privet
<i>Lindera benzoin</i>	Spicebush
<i>Philadelphus</i> species	Mockorange
<i>Physocarpus opulifolius</i>	Ninebark
<i>Picea abies</i>	Birds Nest Spruce
<i>Picea mugo</i>	Dwarf Mountain Pine
<i>Potentilla</i>	Shrubby Cinquefoil
<i>Prunus cistena</i>	Purple Leaf Sand Cherry
<i>Prunus pumila</i>	Sand Cherry
<i>Rhododendron</i> species	Rhododendron
<i>Syringa vulgaris</i>	Lilac
<i>Rhus aromatica</i>	Fragrant Sumac
<i>Rhus copallina</i>	Winged Sumac
<i>Rhus glabra</i>	Shinning Sumac
<i>Rhus typhina</i>	Staghorn Sumac
<i>Rosa virginiana</i>	Virginia Rose

<i>Salix discolor</i>	Pussy Willow
<i>Spirae</i> species (except Japanese)	Spirea
<i>Staphylea trifolia</i>	Bladdernut
<i>Symphoricarpos orbiculatus</i>	Coralberry or Indian Currant
<i>Taxus cuspidata capitata</i>	Upright Yew
<i>Thuja occidentalis</i>	Arborvitae
<i>Tsuga canadensis 'pendula'</i>	Weeping Hemlock
<i>Vaccinium corymbosum</i>	Highbush Blueberry
<i>Viburnum acerifolium</i>	Mapleleaf Viburnum
<i>Viburnum dentatum</i>	Arrowwood
<i>Viburnum lentago</i>	Nannyberry
<i>Viburnum prunifolium</i>	Black Haw
<i>Viburnum trilobum</i>	American Highbush Cranberry
<i>Weigela vanichecki</i>	Cardinal Shrub
<i>Zanthoxylum americanum</i>	Prickly Ash

Groundcovers:

<i>Anemone canadensis</i>	Canada Anemone
<i>Asarum canadense</i>	Wild Ginger
<i>Carex muskingumensis</i>	Palm Sedge
<i>Carex pensylvanica</i>	Common Oak Sedge
<i>Chrysogonum virginianum</i>	Green and Gold
<i>Euonymus obovatus</i>	Running Strawberry Bush
<i>Fragaria virginiana</i>	Wild Strawberry
<i>Iris cristata</i>	Dwarf Crested Iris
<i>Mitchella repens</i>	Partridge Berry
<i>Phlox subulata</i>	Creeping Phlox
<i>Tiarella cordifolia</i>	Foam Flower

Vines:

<i>Aristolochia tomentosa</i>	Woolly Douchman's Pipe
<i>Bignonia capreolata</i>	Crossvine
<i>Campsis radicans</i>	Trumpet Creeper
<i>Celastrus scandens</i>	American Bittersweet
<i>Clematis virginiana</i>	Virgin's Bower (native clematis)
<i>Parthenocissus quinquefolia</i>	Virginia Creeper

Flowering Perennials:

<i>Aquilegia canadensis</i>	Columbine
<i>Aselepias incarnate</i>	Swamp or Marsh Milkweed
<i>Aselepias syriaca</i>	Common Milkweed
<i>Aselepias tuberosa</i>	Butterflyweed
<i>Aster laevis</i>	Smooth Aster
<i>Aster nova-angliae</i>	New England Aster
<i>Aster shortii</i>	Short's Aster
<i>Baptisia australis</i>	False Blue Indigo
<i>Coreopsis tripteris</i>	Tall Coreopsis
<i>Delphinium tricorne</i>	Larkspur
<i>Echinacea purpurea</i>	Purple Coneflower
<i>Eupatorium maculatum</i>	Spotted Joe Pye Weed
<i>Geranium maculatum</i>	Wild Geranium

<i>Helenium autumnale</i>	Autumn Sneezeweed
<i>Helianthus</i>	Sunflower
<i>Heliopsis belianthoides</i>	False Sunflower
<i>Lespedeza violacea</i>	Violet Lespedeza
<i>Lespedeza viola</i>	Dense Blazing Star
<i>Lobelia cardinalis</i>	Cardinal Flower
<i>Lobelia siphilitica</i>	Great Blue Lobelia
<i>Mertensia virginica</i>	Virginia Bluebells
<i>Monarda fistulosa</i>	Bergamot or Bee balm
<i>Petalostemum purpureum</i>	Purple Prairie Clover
<i>Phlox divaricata</i>	Blue Phlox
<i>Phlox paniculata</i>	Summer Phlox
<i>Physostegia virginiana</i>	Obedient Plant
<i>Ratibida pinnata</i>	Yellow Coneflower
<i>Rudbeckia hirta</i>	Black Eyed Susan
<i>Rudbeckia laciniata</i>	Green Headed Coneflower
<i>Rudbeckia subtomentosa</i>	Sweet Coneflower
<i>Silene regia</i>	Royal Catchfly
<i>Silene virginica</i>	Fire Pink
<i>Solidago caesia</i>	Blue-stemed Goldenrod
<i>Solidago nemoralis</i>	Grey Goldenrod
<i>Solidago rigida</i>	Stiff Goldenrod
<i>Stylophorum diphyllum</i>	Celandine Poppy
<i>Veronicastrum virginicum</i>	Culver's Root
<i>Viola</i>	Violets

Plants Suitable for Erosion Control:

<i>Anemone Canadensis</i>	Canada Anemone
<i>Asarum canadense</i>	Wild Ginger
<i>Astragalus Canadensis</i>	Canada Milkvetch
<i>Bouteloua</i>	Sideoats Grama
<i>Lespedeza capitata</i>	Roundheaded bushclover
<i>Panicum virgatum</i>	Switch Grass
<i>Schizachyrium scoparium</i>	Little Bluestem
<i>Symphoricarpos orbiculatus</i>	Coralberry
<i>Tephrosia virginiana</i>	Goat's Rue
<i>Vinca amerecana</i>	Purple Vetch

Ferns:

<i>Adiantum pedatum</i>	Maidenhair Fern
<i>Athyrium filix femina</i>	Lady Fern
<i>Dryopteris goldiana</i>	Giant Wood Fern or Goldie's Fern
<i>Dryopteris marginalis</i>	Evergreen Shield Fern
<i>Matteuccia struthiopteris</i>	Ostrich Fern
<i>Osmunda cinnamomea</i>	Cinnamon Fern
<i>Polystichum acrostichoides</i>	Christmas Fern

Plants and Trees Suitable for Wet Areas:

<i>Acer rubrum</i>	Red Maple
<i>Asclepias incarnate</i>	Swamp Milkweed
<i>Betula nigra</i>	River Birch

<i>Cephalanthus occidentalis</i>	Buttonbush
<i>Chelone glabra</i>	White Turtlehead
<i>Eupatorium purpureum</i>	Sweet Joe-Pye Weed
<i>Filipendula rubra</i>	Queen of the Prairie
<i>Iris versicolor shrevei</i>	Blue Flag Iris
<i>Lobelia cardinalis</i>	Cardinal Flower
<i>Lobelia siphilitica</i>	Great Blue Lobelia
<i>Mimulus ringens</i>	Monkey Flower
<i>Monarda fistulosa</i>	Wild Bergamont
<i>Platanus occidentalis</i>	Sycamore
<i>Quercus bicolor</i>	Swamp White Oak
<i>Quercus lyrata</i>	Overcup Oak
<i>Quercus palustris</i>	Pin Oak
<i>Salix species</i>	Willow
<i>Tamarix ramosissima</i>	Bald Cypress

Grasses:

<i>Andropogon gerrardii</i>	Big Bluestem
<i>Bouteloua curtipendula</i>	Side Oats Gramma
<i>Elymus bystris</i>	Bottlebrush Grass
<i>Koeleria pyramidata</i>	June Grass
<i>Panicum virgatum</i>	Switch Grass Prairie grasses
<i>Schizachyrium scoparium</i>	Little Bluestem
<i>Sporobolus heterolepis</i>	Prairie Dropseed

20.05.058 Exhibit LA-B: Invasive Species, Species with Poor Characteristics and Noxious or Detrimental Plants

Species considered unacceptable and that should not be planted because of invasive characteristics, weak wood, and/or abundant litter are:

Trees; Invasive Species:

<i>Acer ginnala</i>	Amur Maple
<i>Acer platanoides</i> "Columnar"	Norway Maple
<i>Acer platanoides</i> "Crimson King"	Norway Maple
<i>Acer platanoides</i> "Royal Red"	Norway Maple
<i>Acer platanoides</i> "Schwedlet's"	Norway Maple
<i>Acer platanoides</i> "Summershade"	Norway Maple
<i>Ailanthus altissima</i>	Tree of Heaven
<i>Elaeagnus angustifolia</i>	Russian Olive
<i>Elaeagnus pungens</i>	Thorny Olive
<i>Elaeagnus umbellata</i>	Autumn Olive
<i>Spiraea japonica</i>	Japanese spirea
<i>Morus alba</i>	White Mulberry
<i>Rhamnus cathartica</i>	European or Common Buckthorn
<i>Rhamnus frangula</i>	Glossy or Smooth Buckthorn
<i>Rhamnus frangula columnaris</i>	Buckthorn Tallhedge
<i>Robinia pseudoacacia</i>	Black locust
<i>Sorbus aucuparia</i>	European Mountain Ash
<i>Ulmus pumila</i>	Siberian Elm

Trees; Poor Characteristic Species:

<i>Acer negundo</i>	Box Elder
<i>Acer saccharinum</i>	Silver maple
<i>Betula pendula</i>	European White Birch
<i>Fraxinus species</i>	Ash
<i>Ginkgo biloba</i>	Ginkgo (female only)
<i>Pyrus calleryana</i> "Bradford"	Bradford Pear
<i>Ulmus americana</i> "Moline"	American Elm

Invasive Flowers:

<i>Alliaria petiolata</i>	Garlic Mustard
<i>Centaurea cyanus</i>	Cornflower or Bachelor's Button
<i>Centaurea repens</i>	Russian Knapweed
<i>Cirsium arvense</i>	Canada Thistle
<i>Digitalis lanata</i>	Grecian Foxglove
<i>Fallopia japonica</i>	Giant Hogweed
<i>Hesperis matronalis</i>	Dame's Rocket
<i>Inula britannica</i>	Meadow Feabane or Brittish Yellowhead
<i>Lespedeza cuneata</i>	Sericea lespedeza
<i>Lythrum salicaria</i>	Purple Loosestrife
<i>Melilotus alba, M. officinalis</i>	Sweet Clover
<i>Ornithogalum umbellatum</i>	Star of Bethlehem
<i>Polygonum cuspidatum</i>	Japanese knotweed
<i>Sonchus arvensis</i>	Perennial Sowthistle

Invasive Grasses:

<i>Agropyron repens</i>	Quackgrass
<i>Bromus inermis</i>	Smooth Brome
<i>Festuca elatior</i>	Tall Fescue
<i>Lepidium draba</i>	Perennial Peppergrass
<i>Microstegium vimineum</i>	Japanese Stilt Grass
<i>Miscanthus sinensis</i>	Maden Grass
<i>Phalaris arundinacea</i>	Reed Canary Grass
<i>Phragmites australis</i>	Common Reed Grass
<i>Sorghum bicolor</i>	Johnson Grass or Sorghum Almun
<i>Sorghum halepense</i>	Shattercane

Invasive Vines and Groundcovers:

<i>Celastrus orbiculatus</i>	Oriental Bittersweet
<i>Coronilla varia</i>	Crown Vetch
<i>Convolvulus arvensis</i>	Field Bindweed
<i>Euonymus fortunei</i>	Purple Winter Creeper
<i>Glechoma hederacea</i>	Creeping Charlie
<i>Hedera helix</i>	English Ivy
<i>Humulus japonicus</i>	Japanese Hops
<i>Lonicera japonica</i>	Japanese Honeysuckle
<i>Lonicera maackii</i>	Amur Honeysuckle
<i>Lonicera tatarica</i>	Bush or Tatarian Honeysuckle
<i>Lysimachia nummularia</i>	Creeping Jenny
<i>Polygonium perfoliatum</i>	Mile-a-minute Weed
<i>Pueraria lobata</i>	Kudzu
<i>Sicyos angulatus</i>	Bur Cucumber

~~*Vinca minor* Myrtle~~
~~*Vinca minor* Periwinkle~~
~~*Vincetoxicum nigrum, syn. Cynanchum nigrum* Black Swallow wort~~

Invasive Shrubs:

~~*Alnus glutinosa* Black Alder~~
~~*Celastrus scandens* Asiatic Bittersweet~~
~~*Ligustrum obtusifolium* Blunt leaved Privet~~
~~*Lespedeza bicolor* Bicolor Lespedeza~~
~~*Ligustrum vulgare* Common Privet~~
~~*Rosa multiflora* Multiflora Rose~~
~~*Viburnum opulus v. opulus* Highbush Cranberry~~