

MAPLE GROVE
ARBOR COMMITTEE
REGULAR MEETING
NOVEMBER 12, 2015
7:00 PM – ROOM 183
MAYOR'S CONFERENCE ROOM



1. CALL TO ORDER
2. APPROVAL OF AGENDA AND MINUTES
 - A. APPROVAL OF AGENDA
 - B. APPROVAL OF MINUTES – OCTOBER 8, 2015 REGULAR MEETING
3. NEW BUSINESS
 - A. KIDDIEGARTEN LANDSCAPE PLAN
 - B. THE VILLAGE AT ARBOR LAKES LANDSCAPE PLAN
4. OLD BUSINESS
 - A. EAB MANAGEMENT PLAN UPDATE
 - B. BUCKTHORN REMOVAL EVENT
5. AREA REPORTS
6. ADJOURNMENT



REQUEST FOR COMMITTEE ACTION

Item Number: 2 A & B

Meeting Date: November 12, 2015
Agenda Heading: Approval of Agenda and Minutes
Agenda Item: Approval of Agenda and Minutes

Recommended Committee Action:

Call by Vice-Chairperson _____ for any additions or revisions to the agenda.

Motion by Committee member _____, seconded by Committee member _____ to approve as proposed or approve as amended the agenda for the November 12, 2015 regular meeting.

Motion by Committee member _____, seconded by Committee member _____ to approve the minutes of the October 8, 2015 regular meeting as presented or as amended.

Discussion:

Committee Comments:

private trees. She mentioned that grant money is no longer available. She added that EAB will wipe out the ash trees in Maple Grove. She said that St. Paul is using a 5 – 8 year plan to remove ash trees and replace them with other trees and that they are using chemicals on some trees to delay eradication.

Kelly Matzke mentioned that it is imperative to make residents aware of the EAB issue. He said that St. Paul got the word out by sending out postcards. Mary Lynn KenKnight stated they are also putting ribbons on ash trees to create awareness.

Councilmember Judy Hanson stated that education is the key. Marilyn Arnlund mentioned that the City of Plymouth is taking down ash trees on a proactive basis.

Frank Kampel mentioned it would be a good idea to set up contracts with tree removal companies so that they are in place when large scale ash tree removal is needed.

Steve Courtney asked what percentage of the trees inventoried so far are ash. It was mentioned that so far there are approximately 11,000 public ash trees inventoried. Councilmember Judy Hanson mentioned that St. Paul has a program which keeps track of the status of trees.

It was mentioned that Scott Roberts of the City Parks Department and Joe Bennett of the City Public Works Department also attended the St. Paul meeting.

Marilyn Arnlund mentioned that the City Attorney would handle the preparation of contract documents.

Councilmember Judy Hanson mentioned that she reached out to the Department of Agriculture and spoke to Angie Ambourn. She asked Ms. Ambourn regarding the availability of State funds to combat EAB. Ms. Ambourn stated that there are no current funds available and that the availability of future funding is uncertain.

Councilmember Judy Hanson stated that she also contacted Jennifer DeJournett, Three Rivers Park

District Representative to Maple Grove and is awaiting her return call.

Ed Reichow asked if we should be doing something to reach out to people. Marilyn Arnlund stated she did an article for the City Newsletter. Ed Reichow asked about the Maple Grove Magazine. Timetables for submitting articles for publication in the Maple Grove Magazine were mentioned. Marilyn Arnlund mentioned that the editor of Maple Grove Magazine, Cyd Haynes, is a tree inventory volunteer. She added that a total of 4,462 acres of the City have been tree inventoried to date. Mary Lynn KenKnight suggested putting ribbons on public ash trees thereby drawing attention to them, with people asking why the ribbons are on the trees. Marilyn Arnlund showed Committee members the poster that was attached to ash trees in the past.

Mary Lynn KenKnight stated she would contact the City of Minneapolis on ribbon purchasing.

Frank Kampel suggested placing the ribbon on ash trees along main roadways. Mary Lynn KenKnight suggested setting up an EAB hotline to provide information.

Frank Kampel asked if anything has been done yet on a management plan. Marilyn Arnlund stated plans from other cities have been obtained and reviewed.

Mary Lynn KenKnight asked if private landowners could pay to treat public trees. The answer given was yes; that that could be part of a management plan.

Terri Polski asked if, for private trees affected by EAB, landowners have a choice whether to have them removed or not. Frank Kampel responded by saying, by Ordinance, no. Councilmember Judy Hanson suggested perhaps allowing payments to be made over time similar to public improvement special assessments where payments are made over a certain time period.

City Resident Michelle Burks stated that, for residents calling regarding the ribbon on trees, a message could state that the ribbon does not mean the tree has been

infected by EAB, just that it is susceptible to EAB.

Finalize Buckthorn
Event

Kelly Matzke mentioned that this year's buckthorn removal event will be held on Saturday, November 7th from 9 a.m. to 12 noon in the Forest Preservation area off of Vicksburg Lane. Kelly Matzke stated he would send out a reminder notice to Committee members prior to the event.

New Business

The Preserve at Rush
Creek Landscape Plan

Kelly Matzke introduced the landscape plan for the Preserve at Rush Creek residential development. Ed Reichow suggested adding more trees to the list of trees to be planted. Marilyn Arnlund suggested Kentucky Coffeetree, Mary Lynn KenKnight suggested Ohio Buckeye and Steve Courtney suggested Ginkgo. The consensus of the Committee was to use the suggested tree list developed by the Committee.

Tree Recommendation

Mary Lynn KenKnight mentioned that she suggests removing Eastern Wahoo from the Committee's suggested tree list due to it being invasive on the east coast of the U.S. She said she had acquired it from Dundee Nursery.

Area Reports

Michelle Burks mentioned that there are many Silver Maples in the Boundary Creek area of the City with top dieback. She stated in particular the area of Lancaster Lane just south of 109th Avenue. Mary Lynn KenKnight stated that Silver Maple is more a woodland tree and does not like to be planted in yards. There was discussion on what could be causing the dieback.

Adjournment

Steve Courtney made a motion to adjourn the meeting at 8:10 p.m. The motion was seconded by Adam Bedard and passed unanimously on a voice vote.

Respectfully submitted,
Frank Kampel, Arbor Committee Member
City of Maple Grove Arbor Committee

REQUEST FOR COMMITTEE ACTION

Item Number: 3A



Meeting Date: November 12, 2015

Agenda Heading: New Business

Agenda Item: Landscape Plan - Kiddiegarten

Recommended Committee Action:

Review and comment on the Landscape Plan for the proposed Kiddiegarten.

Discussion:

A Landscape Plan has been submitted for a child care center located on the southwest corner of County Road 30 / Garland Lane behind Walmart.

The number of trees proposed does meet minimum requirements, but the current code limits the number of one species of trees to 20%. The current plan has 27 hackberry trees being planted, and 6 silver maple trees. As a result, the number of hackberry trees must be revised. Attached Sheet No. C7 is an overall Landscape Plan of the child care center.

Arbor Committee review and comment on the plan is requested.

Committee Comments:

Chapter 36 ZONING

Sec. 36-826. Disposal of waste material from commercial or industrial operations.

Waste material resulting from or used in industrial or commercial manufacturing, fabricating, servicing, processing or trimming shall not be washed into the public storm sewer system or the sanitary sewer system, but shall be disposed of in a manner approved by the state fire marshal and the pollution control agency.

(Code 1984, § 375:12(16))

Sec. 36-827. Bulk storage of gasoline, chemicals and similar liquids.

All uses with the bulk storage of oil, gasoline, liquid fertilizer, chemicals, flammable liquids and similar liquids shall comply with requirements of the state fire marshal and state department of agriculture offices and have documents from those offices stating the use is in compliance.

(Code 1984, § 375:12(17))

Sec. 36-828. Radiation emission.

All activities that emit radioactivity shall comply with the minimum requirements of the state pollution control agency.

(Code 1984, § 375:12(18))

Sec. 36-829. Electrical emissions.

All activities which create electrical emissions shall comply with the minimum requirements of the Federal Communications Commission.

(Code 1984, § 375:12(19))

Sec. 36-830. Pole barns.

In all B and I zoning districts, no pole barn shall be constructed in whole or in part after June 12, 1985. For purposes of this section, a pole barn is defined as a structure, the basic support and framework of which is provided by wooden poles inserted vertically into the ground similarly to telephone poles.

(Code 1984, § 375:12(20))

Sec. 36-831. Required landscaping.

- (a) Applicability. All development except single-family detached and two-family shall comply with the requirements of this section.
- (b) Landscape plans. Landscape plans shall be prepared by a landscape architect or other qualified individual acceptable to the department of community development. Landscape plans shall be drawn to a scale of not less than one inch equal to 50 feet and shall include the following information:
 - (1) Location, approximate size and common name of existing trees and shrubs.

Chapter 36 ZONING

- (2) Planting schedule containing:
 - a. Symbols.
 - b. Quantities.
 - c. Common names and botanical names.
 - d. Size of plant materials.
 - e. Root condition (balled and burlapped, bare root, container, etc.).
 - f. Special planting instructions.
 - (3) Planting details illustrating proposed locations of all new plant material.
 - (4) Locations and details of other landscape features, including, but not limited to, berms, fences and planter boxes.
 - (5) Location and details of irrigation systems.
 - (6) Details and cross sections of all required screening.
 - (7) Such other information as the city may require.
- (c) Minimum requirements. All areas of a lot which are not used or improved for buildings, parking areas, driveways or storage areas shall be landscaped with a combination of overstory trees, understory trees, shrubs, ground cover and flowers.
- (1) Minimum number of overstory trees. The minimum number of overstory trees on a lot shall be the figure determined by dividing by 40 the number of feet in the perimeter of the lot. Overstory trees include, but are not limited to, those listed in Extension Folder 298-1974, published by the Agricultural Extension Service of the University of Minnesota, except those listed as "Trees—Small—under 25 feet."
 - (2) Understory trees and shrubs. In addition to the required number of overstory trees, a full complement of understory trees and shrubs such as, but not limited to, those listed as "Trees—Small—under 25 feet" in Extension Folder 298-1974, published by the Agricultural Extension Service of the University of Minnesota, shall be provided as determined by the city council so as to complete a quality landscape treatment of the site.
 - (3) Minimum size and root condition of required overstory trees.
 - a. The trunks of deciduous trees shall be at least 1½ inches in diameter breast height.
 - b. Coniferous trees shall be at least five feet in height.
 - c. All plant materials shall meet minimum standards as stated in the American Association of Nurserymen Publication No. ANSI Z60.1-1980, entitled "American Standard for Nursery Stock."
 - (4) Species.
 - a. Trees which are considered as half trees, small upright trees, small spreading trees, shrubs, understory trees or ornamental trees shall not be included in the count of required overstory trees.
 - b. Not more than 20 percent of the required number of overstory trees shall be composed of one species.
 - c. No required overstory trees shall include:
 1. Any species of the genus *Ulmus* (elm), except that such species may be allowed if proof, acceptable to the city, is submitted showing that the proposed trees are resistant to Dutch elm disease. Such proof shall originate from, or be supplied by, a nursery

Chapter 36 ZONING

- approved by the department of community development or a college or university conducting research on Dutch elm disease, or an equivalent source.
2. Box elder (*Acer negundo*), Ash (any tree of the genus *Fraxinus*), Amur maple (*Acer ginnala*), Norway maple (*Acer platanoides*), Russian olive (*Elaeagnus angustifolia*), Black locust (*Robinia pseudoacacia*), female Ginko (*Ginkgo biloba*).
- d. No shrub shall include:
 1. Japanese barberry (*Berberis thunbergii*), Siberian peashrub (*Caragana arborescens*), Tatarian honeysuckle (*Lonicera tatarica*), Common buckthorn (*Rhamnus cathartica*), Glossy buckthorn (*Rhamnus frangula*).
 - e. All plant materials shall be indigenous to the hardiness zone of the area in which the city is located.
- (5) Ground cover. All unimproved portions of a lot shall be sodded to the curb or street surface, except that:
- a. Areas reserved for future city-approved building expansions may be seeded.
 - b. Undisturbed areas containing existing viable natural vegetation which can be maintained free of weeds may be left undisturbed.
 - c. Seeding may be used when the city determines sod is not practical or desirable, in areas such as, but not limited to, campus areas of schools, recreational playfields and open space, sites that are rough-graded and areas that cannot be developed (such as those in a power line easement).
 1. Seeding shall be confined to the rear yard area of a lot.
 2. On any lot on which a building is located as the principal use of the property, seeding shall not be used within 50 feet of the building.
 3. For purposes of the surety required in subsection (k) of this section, seeding will be considered properly installed and vigorously growing when it looks like healthy sod.
- (d) Credit for large trees. The total number of required overstory trees may be reduced by one-half tree for each new deciduous tree measuring 4½ inches or more in diameter, or each new coniferous tree measuring ten feet or more in height, which is planted on the lot. In no event, however, shall this credit result in a reduction in the total number of required trees by more than 25 percent. Measurements shall be taken as set forth in subsection (c)(3) of this section.
- (e) Credit for existing trees. The total number of required new overstory trees may be offset by the retention of existing overstory trees on the lot provided that such trees satisfy the requirements of subsection (c) of this section as to size and species. The department of community development shall recommend to the planning commission the amount of the credit for such existing trees based upon their location and distribution on the lot.
- (f) Parking lot planting islands. Planting islands within parking lots shall be required to visually break up expanses of hard-surface parking areas, to allow safe and efficient traffic movement, and to define rows of parking. Planting islands shall be landscaped and shall occupy at least four percent of the parking area.
- (g) Irrigation system. All affected properties shall install and maintain an irrigation system upon the property serving at least all turfed areas thereon, whether sodded or seeded.
- (h) Interference with utilities. The location of landscaping improvements required in this section shall be such that their placement and size at maturity will not interfere with any existing underground or overhead utility system or public right-of-way.

Chapter 36 ZONING

- (i) Protection of existing vegetation during construction. All existing vegetation to be saved upon a lot under development shall be protected from damage and/or destruction occurring as a result of activity which takes place during the construction process. No soil or other material shall be allowed to accumulate or be placed near any such vegetation in such a manner that the deterioration or death of such vegetation may result.
- (j) Maintenance. The owner of a lot upon which landscaping or screening is required by this Code shall maintain all plant materials in a slightly and healthy growing condition and promptly replace all dead or dying plant material. Plant materials located within the boulevard area shall be similarly maintained by the abutting property owner. If any plant material in the boulevard is not maintained or replaced as required in this subsection, the city may maintain or replace the plant material and assess the abutting property for the costs thereof.
- (k) Performance surety. The owner shall provide the city with cash, an approved letter of credit or other surety satisfactory to the city to guaranty the proper installation and vigorous growth of all landscaping elements and screening. Such surety shall remain in effect for two years after the actual installation of the materials and shall be in an amount equal to 100 percent of the estimated cost of material and installation of all proposed landscaping.

(Code 1984, § 375:12(21); Ord. No. 14-03, § 1, 6-16-2014; Ord. No. 14-05, § 1, 8-4-2014)

Sec. 36-832. Limitation on structure height.

No structure shall exceed the height that is allowed pursuant to Minn. Stats. §§ 360.81—360.91. This provision shall supersede any other provision of this Code which may permit structure heights in excess of those allowed pursuant to such statutes.

(Code 1984, § 375:12(22))

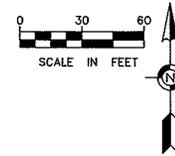
Sec. 36-833. Geothermal, solar, and wind energy conversion systems.

- (a) Geothermal system.
 - (1) Permitted accessory use in all zoning districts on the condition it meets the requirements of this section and other provisions of the Code.
 - (2) Coils and piping may not cross lot lines without recorded easement from the effected property.
 - (3) Upon determination by the city that encroachment of coils and piping into drainage and utility easements does not interfere with the city's use of the easement, coils and piping may cross into drainage and utility easements with the city's written permission subject to conditions determined by the city.
 - (4) Systems that are proposed under wetland types 1 and 2 shall require approval from the city engineering department in addition to any other permits required for by any other governmental entity. System shall not be allowed under wetland types 3 through 7, or in any Minnesota Department of Natural Resources protected waters.
 - (5) Systems shall meet Minnesota Department of Health Standards (Minnesota Rules chapter 47-25, part 18.31 and part 70.50 (2009) and any amendments thereto).
- (b) Photovoltaic system and solar thermal system.
 - (1) Nonresidential zoning districts.

LANDSCAPE PLAN

A.K.A. 33RD AVENUE NORTH

C.O. RD. NO. 30

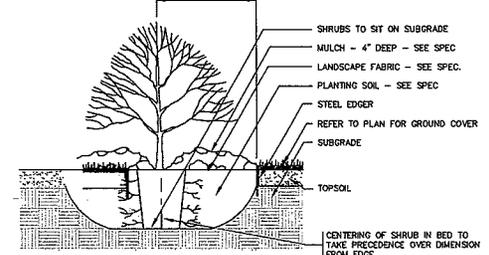


Call 48 Hours before digging
GOPHER STATE ONE CALL
 Twin Cities Area 651-454-0002
 MN. Toll Free 1-800-252-1166

EXISTING

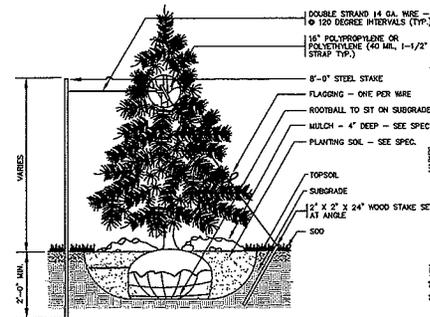
- DENOTES FOUND PROPERTY IRON
- DENOTES SET MONUMENT
- DENOTES BOUNDARY LINE
- - - DENOTES LOT LINE
- - - DENOTES SETBACK LINE
- - - DENOTES EASEMENT LINE
- - - DENOTES EXISTING CONTOUR LINE
- DENOTES LIGHT POLE
- DENOTES HYDRANT
- DENOTES WATER VALVE
- DENOTES ELECTRIC PEDESTAL
- DENOTES ELECTRIC METER
- DENOTES ELECTRIC MANHOLE
- DENOTES ELECTRIC TRANSFORMER
- DENOTES TELEPHONE PEDESTAL
- DENOTES HAND HOLE
- DENOTES SIGN
- DENOTES CABLE PEDESTAL
- UT DENOTES UNDERGROUND TELEPHONE
- W DENOTES WATER LINE
- SS DENOTES STORM SEWER
- UE DENOTES UNDERGROUND ELECTRIC
- DENOTES STORM CATCH BASIN (SQUARE)
- DENOTES CONIFEROUS TREE
- DENOTES DECIDUOUS TREE

NOTES:
 HAND LOOSEN ROOTS OF CONTAINERIZED MATERIAL (TYP.)
 SCARIFY BOTTOM AND SIDES OF HOLE PRIOR TO PLANTING
 15" MIN.

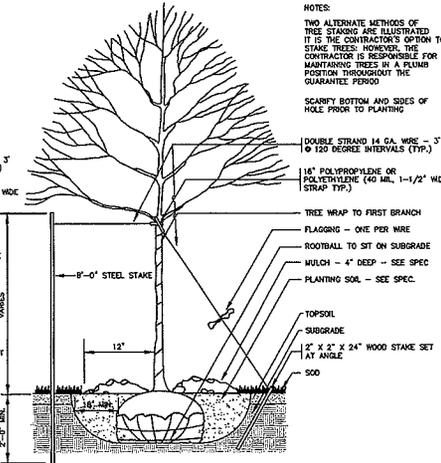


ARBOR-VITAE SHRUB WITH STEEL EDGER
 NOT TO SCALE

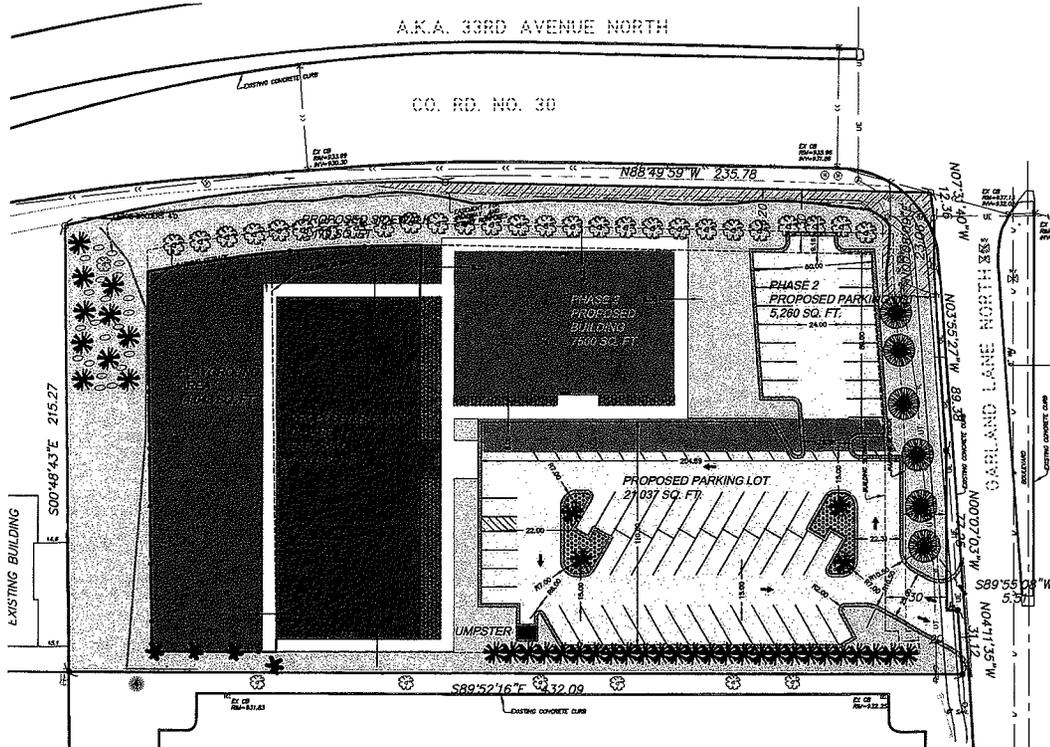
NOTES:
 CONIFER TO HAVE SHREDDED HARDWOOD MULCH UNLESS NOTED OTHERWISE. NO MULCH TO BE IN CONTACT WITH TRUNK.
 SCARIFY BOTTOM AND SIDES OF HOLE PRIOR TO PLANTING.
 TWO ALTERNATE METHODS OF TREE STAKING ARE ILLUSTRATED. IT IS THE CONTRACTOR'S OPTION TO STAKE TREES; HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TREES IN A PLUMB POSITION THROUGHOUT THE GUARANTEE PERIOD.



CONIFEROUS TREE
 NOT TO SCALE



HACKBERRY TREE
 NOT TO SCALE



PROPOSED

- DENOTES NEW PAVEMENT
- ▨ DENOTES INFILTRATION TRENCH
- ▩ DENOTES CURB & GUTTER
- ▧ DENOTES SODDED/SEEDED AREA
- DENOTES BITUMINOUS EDGE
- DENOTES B612 CURB & GUTTER
- DENOTES PROPOSED STORM SEWER
- DENOTES PROPOSED RETAINING WALL
- ▩ DENOTES ROCK AREA
- DENOTES SEEDLESS SILVER MAPLE "ACER SACCHARINUM" 2.5' CALIPER MIN.
- DENOTES COLUMNAR ARBOR VITAE "THUJA OCCIDENTALIS" 5' HEIGHT MIN.
- DENOTES PROPOSED 4" HACKBERRY TREE
- DENOTES PROPOSED CEDAR, EASTERN RED
- DENOTES PROPOSED LARGE BOLDERS 4' D.
- DENOTES PROPOSED CHAINE LINK FENCE
- DENOTES CONCRETE SIDEWALK
- ▨ DENOTES PLAYGROUND AREA
- ▩ DENOTES TRASH ENCLOSURE
- ▧ DENOTES PROPOSED BUILDING PHASE 1
- ▧ DENOTES PROPOSED BUILDING PHASE 2

PROPOSED PLANT INVENTORY

	SIZE	QUANTITY
○ DENOTES PROPOSED HACKBERRY TREE	6' HEIGHT MIN.	27
○ DENOTES PROPOSED ARBOR-VITAE	5' HEIGHT MIN.	40
○ DENOTES PROPOSED CEDAR, EASTERN RED	7' HEIGHT MIN.	4
○ DENOTES SEEDLESS SILVER MAPLE "ACER SACCHARINUM"	7' HEIGHT MIN.	6

LANDSCAPE NOTES

- ALL PERVIOUS SURFACE TO BE SEEDED AND/OR MULCHED AFTER GRAZING IS COMPLETED.
- 22 ARBOR VITAE SHRUBS IN TOTAL ARE PROPOSED AS A PART OF THIS PROJECT
- 14 HACKBERRY TREES ARE PROPOSED AS A PART OF THIS PROJECT
- ALL SODDED AND SEEDED AREAS SHAL BE IRRIGATED
- SITE PERIMETER 1,307 LF REQUIRED DECIDUOUS TREES 32



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I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Vlad Sivriyer
 VLADIMIR SIVRIYER P.E. NO. 25105

DATED: 10/12/15

LANDSCAPE PLAN

JOB NAME: ALEXANDER BOCHARNIKOV

DRAWN BY: TS

PROJ. NO. 15-127

LOCATION: 9495 GARLAND LANE NORTH
 MAPLE GROVE, MN 55311

CHECKED BY: VS

SHEET NO. C7

NO.	DATE	DESCRIPTION	BY

PRELIMINARY
 NOT FOR CONSTRUCTION

REQUEST FOR COMMITTEE ACTION

Item Number: 3B



Meeting Date: November 12, 2015
Agenda Heading: New Business
Agenda Item: Landscape Plan – The Village at
Arbor Lakes

Recommended Committee Action:

Review and comment on the Landscape Plan for the proposed The Village at Arbor Lakes.

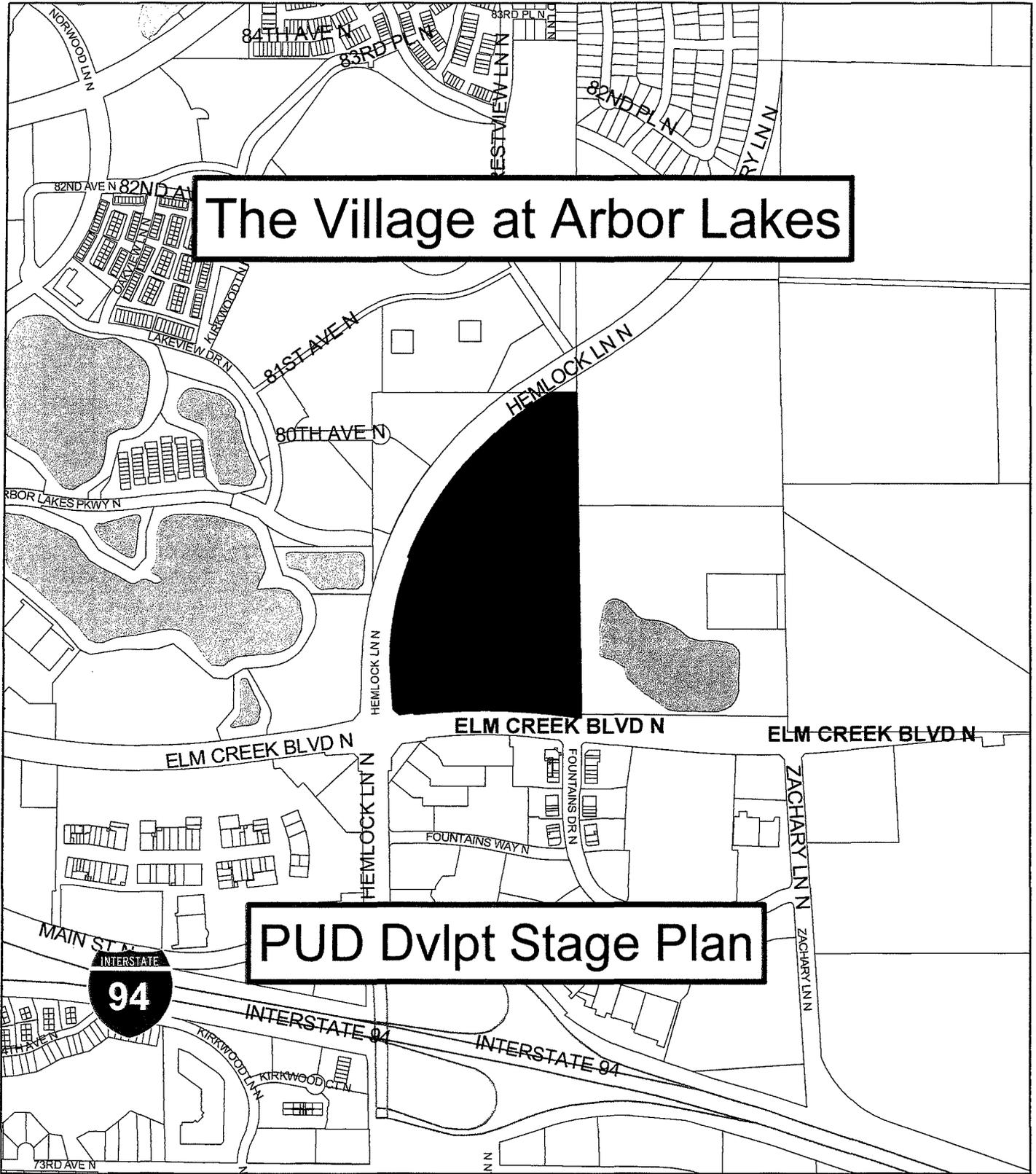
Discussion:

The Village at Arbor Lakes development is being proposed for the northeast corner of Hemlock Lane and Elm Creek Boulevard. This development is proposed to be on the north side of Elm Creek Boulevard, across the street from TGIFridays.

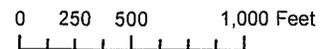
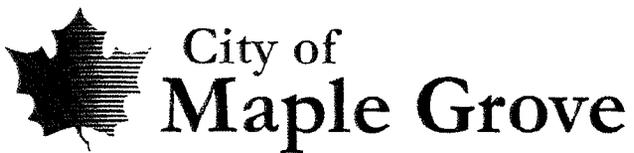
Based upon the lot perimeter, a total of 73 overstory trees are required. The developer is proposing 74 overstory trees along with a full complement of understory trees and shrubs. Attached is the Landscape Plan (L1.0), south entry planting plan (L2.0), north entry planting plan (L3.0), and details and notes (L4.0) of the development.

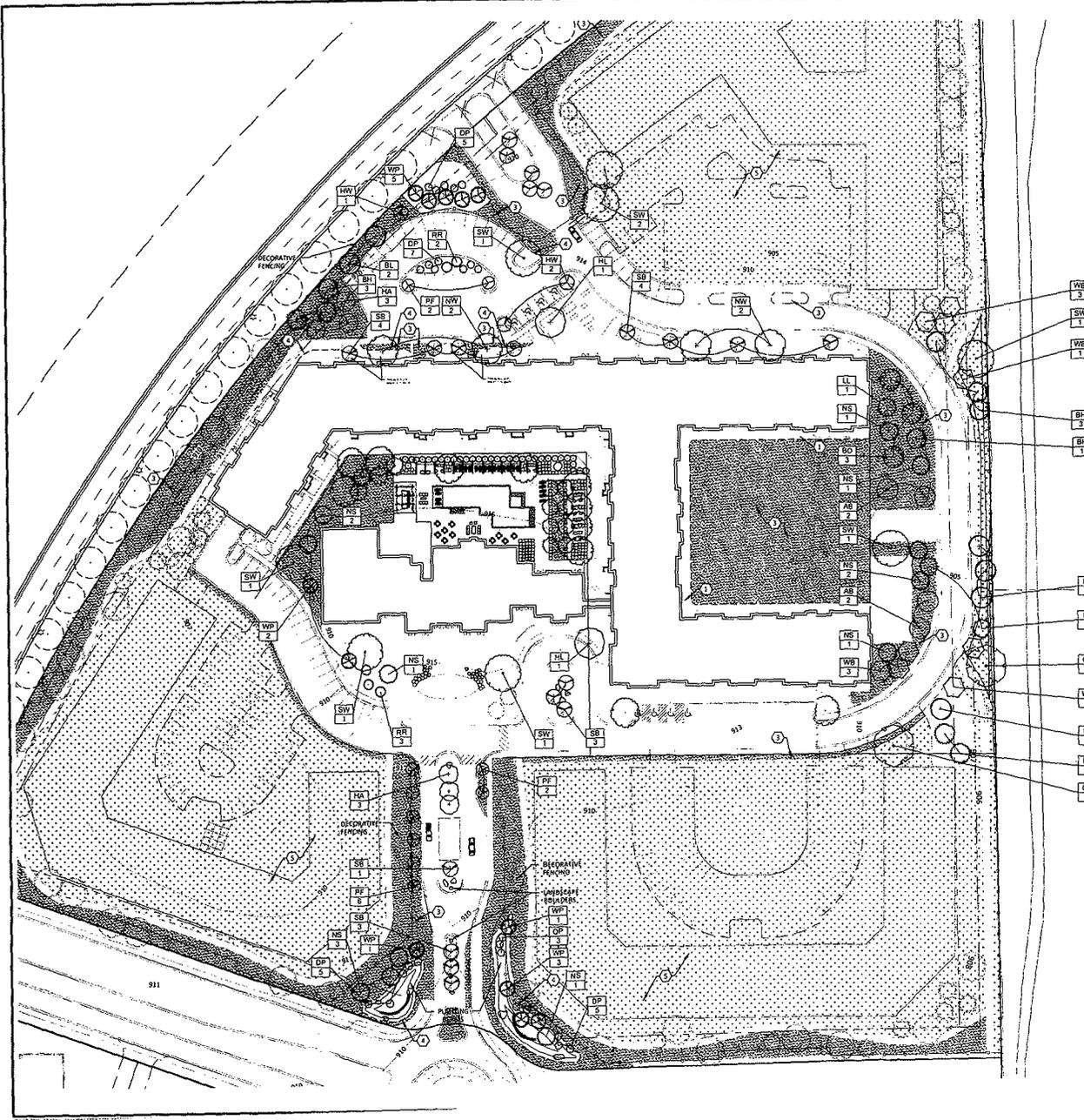
Arbor Committee review and comment on the plan is requested.

Committee Comments:



NEIGHBORHOOD LOCATION MAP





TREE PLANTING SCHEDULE						
TREES	BOTANICAL NAME / COMMON NAME	CONT	CAL	HT	QTY	
HW	Acer rubrum / Hardwood / Northern Red Maple	B & B	2.5' Cal		2	
AB	Acer x freemanii / Jefferson / Autumn Blaze Maple	B & B	2.5' Cal		4	
WB	Betula papyrifera / Whitespire / Whitespire Birch	B & B	2.5' Cal		9	
CH	Calix occidentalis / Common Hackberry	B & B	2.5' Cal		2	
HL	Gleditsia triacanthos / Imperial / Imperial Honeylocust	B & B	2.5' Cal		2	
SW	Quercus bicolor / Swamp White Oak	B & B	4.5' Cal		8	
BO	Quercus macrocarpa / Burr Oak	B & B	2.5' Cal		3	
BL	Tilia americana / Boulevard / Boulevard Linden	B & B	2.5' Cal		6	
CONIFERS						
BOTANICAL NAME / COMMON NAME	CONT	CAL	HT	QTY		
LL	Larix laricina / Tamarack	B & B		8	3	
NS	Picea abies / Norway Spruce	B & B		8	12	
BH	Picea glauca densata / Black Hills Spruce	B & B		8	9	
WP	Pinus strobus / White Pine	B & B		8	12	
ORN TREES						
BOTANICAL NAME / COMMON NAME	CONT	CAL	HT	QTY		
HW	Acer latrobeum / Hot Wings / Hot Wings Tatarian Maple	B & B		6	3	
SB	Am canadensis / Autumn Brilliance / Autumn Brilliance Serviceberry	B & B	2' Cal		20	
DP	Betula papyrifera 'Fargo' TM / Dakota Pinnacle Birch	25 gal			25	
HA	Crataegus crus-galli / Inermis / Thornless Hawthorn	B & B	2' Cal		6	
PF	Malus x 'Prairiemoor' / Prairie Crab Apple	B & B	2' Cal		10	
RR	Malus x 'Royal Raindrops' / Royal Raindrops Crabapple	B & B	1.5' Cal		5	

CITY LANDSCAPE CODE
CITY OF MAPLE GROVE, MN LANDSCAPE STANDARDS:

Minimum requirements. All areas of a lot which are not used or improved for buildings, parking areas, driveways or storage areas shall be landscaped with a combination of overstory trees, understory trees, shrubs, ground cover and flowers.

(1) Minimum number of overstory trees. The minimum number of overstory trees on a lot shall be the figure determined by dividing by 40 the number of feet in the perimeter of the lot. Overstory trees include, but are not limited to, those listed in Extension Folder 298-1974, published by the Agricultural Experiment Station of the University of Minnesota, except those listed as "Trees-Small-under 25 feet"

(2) Understory trees and shrubs. In addition to the required number of overstory trees, a full complement of understory trees and shrubs such as, but not limited to, those listed as "Trees-Small-under 25 feet" in Extension Folder 298-1974, published by the Agricultural Experiment Station of the University of Minnesota, shall be provided as determined by the city council so as to complete a quality landscape treatment of the site.

(3) Minimum size and root condition of required overstory trees.

a. The trunks of deciduous trees shall be at least 1.5 inches in diameter breast height.
b. Coniferous trees shall be at least 7 feet in height.
c. All plant materials shall meet minimum standards as stated in the American Association of Nurserymen Publication No. ANSI Z60.1-1980, entitled "American Standard for Nursery Stock."

(4) Species.

a. Trees which are considered as half trees, small upright trees, small spreading trees, shrubs, understory trees or ornamental trees shall not be included in the count of required overstory trees.
b. Not more than 20 percent of the required number of overstory trees shall be composed of one species.

TOTAL LOT PERIMETER AREA (PHASE 1): 2,559 LF
SHADE TREES/ CONIFERS REQUIRED (1 TREE / 40 LF): 70 TREES

PLANT TYPE PROPOSED
SHADE TREES 38
EVERGREEN TREES 26
ORNAMENTAL TREES 69

LANDSCAPE LEGEND

- ROCK MULCH (1/4" DRESSER TRAP)
- ROCK W/ WEED BARRIER, MIN. 3" DEPTH
- SHIELDED HARDWOOD MULCH (NATURAL COLOR)
- Turf (HIGHLAND SOD)
- STEEL LEDGER
- SEED MIX T&D

Sambatek
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Minnetonka, MN 55343
763.476.6010 telephone
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Engineering | Surveying | Planning | Environmental
Client
DORAN
COMPANIES

7803 GLENROY ROAD
SUITE 200
BLOOMINGTON, MN 55439

Project
THE VILLAGE AT
ARBOR LAKES

Location
MAPLE GROVE,
MN

NORTHEAST QUADRANT OF ELM
CREEK BLVD & HEMLOCK LANE

Certification
I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly licensed LANDSCAPE ARCHITECT under the laws of the State of MINNESOTA.

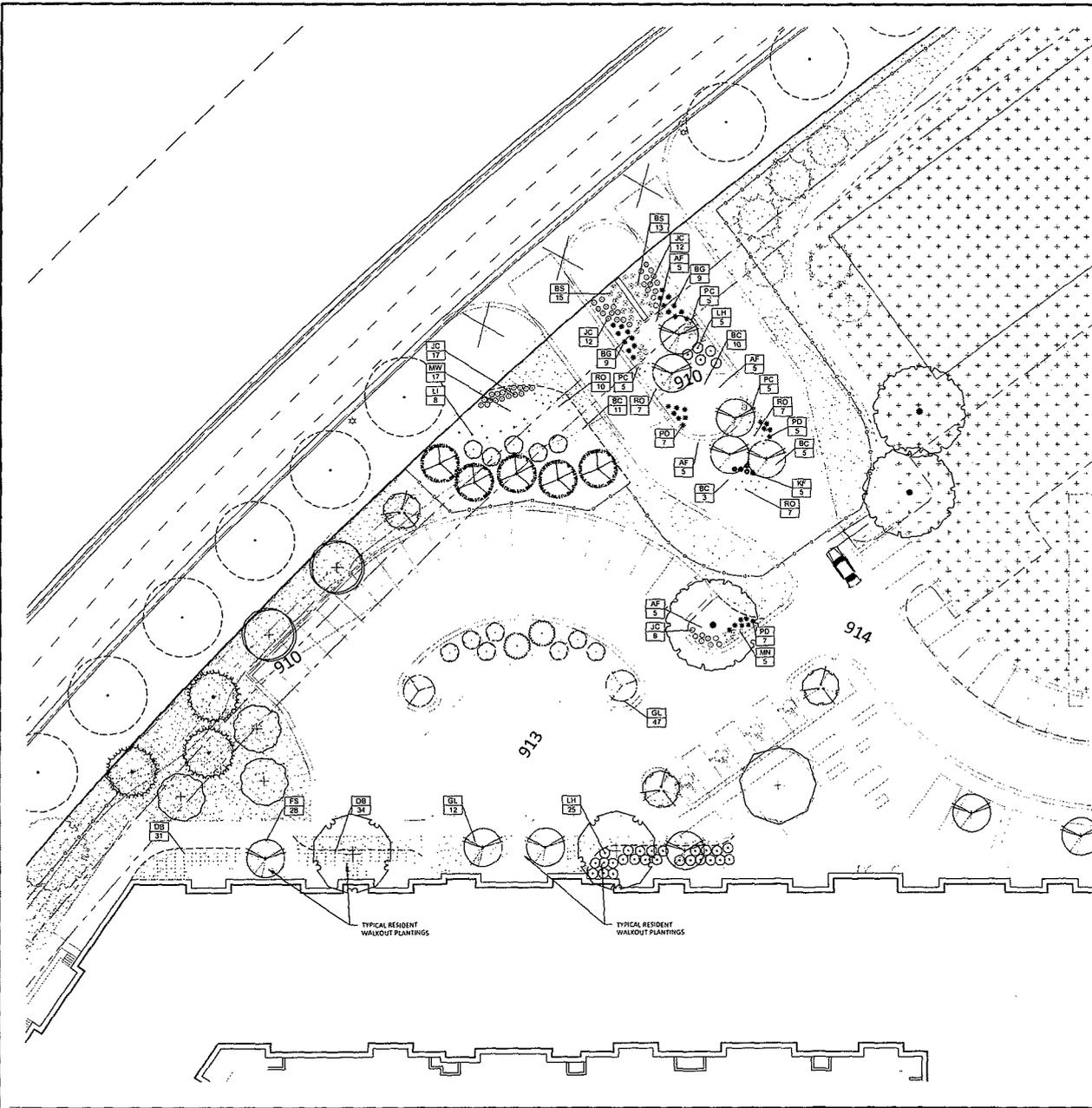
First M. Name
Registration No. 12245 Date: 10/30/2015
Has certification in this state? Yes / I signed a form
If applicable, consent to file a wet signature copy of this survey which is available upon request at:
landscap, hennepin, mn.gov

Summary
Designed: MLD Drawn: MLD
Approved: MLD Book / Page:
Phase: PRELIMINARY Initial Issue: 10/20/2015

Revision History
No. Date By Submittal / Revision

Sheet Title
PHASE ONE
TREE PLANTING
PLAN

Sheet No. Revision
L1.0



PLANT SCHEDULE NORTH ENTRY AREA

SHRUBS	BOTANICAL NAME / COMMON NAME	SIZE	QTY
BC	<i>Az. melanocarpa</i> / Autumn Magic / Autumn Magic Black Chokeberry	5 gal	29
AF	<i>Genus sericea</i> / Aric Fire / Aric Fire Dogwood	5 gal	20
DB	<i>Dwarfia loricata</i> / Dwarf Bush Honeysuckle	5 gal	70
FS	<i>Forsythia x rimbis</i> / Show Off / Show Off Forsythia	5 gal	28
LH	<i>Hydrangea paniculata</i> / Little Lime / Little Lime Hydrangea	5 gal	30
MW	<i>Potentilla fruticosa</i> / McKay's White / McKay's White Bush Cucumber	5 gal	17
GL	<i>Rhus glabra</i> / Gro-Low / Gro-Low Fragrant Sumac	5 gal	59
RO	Rosa x 'Oso Easy Paprika' / Rose	5 gal	31
LI	<i>Syringa x Penda</i> / Boomerang Lilac	5 gal	8

ANNUALS/PERENNIALS	BOTANICAL NAME / COMMON NAME	SIZE	QTY
PC	<i>Echinacea purpurea</i> / Purple Coneflower	1 gal	15
JC	<i>Nepeta x faasseni</i> / Junior Walker / Junior Walker Catmint	1 gal	48
BS	<i>Rudbeckia hirta</i> / Black-eyed Susan	1 gal	20
MN	<i>Salvia x sylvestris</i> / May Night / Sage	1 gal	5

GRASSES	BOTANICAL NAME / COMMON NAME	SIZE	QTY
BG	<i>Bouteloua gracilis</i> / Blonde Ambition / Blue Grama	1 gal	18
RF	<i>Calamagrostis x acutiflora</i> / Karl Foerster / Feather Reed Grass	1 gal	5
PD	<i>Sporobolus heterolepis</i> / Prairie Dropseed	1 gal	19



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Certification

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly licensed LANDSCAPE ARCHITECT under the laws of the State of Minnesota.

First M. Name
Registration No. 12345 Date: 10/30/2015
This certification is not valid unless signed in blue ink. If applicable, contact us for a certified copy of this survey which is available upon request at Sambatek, Minneapolis, MN office.

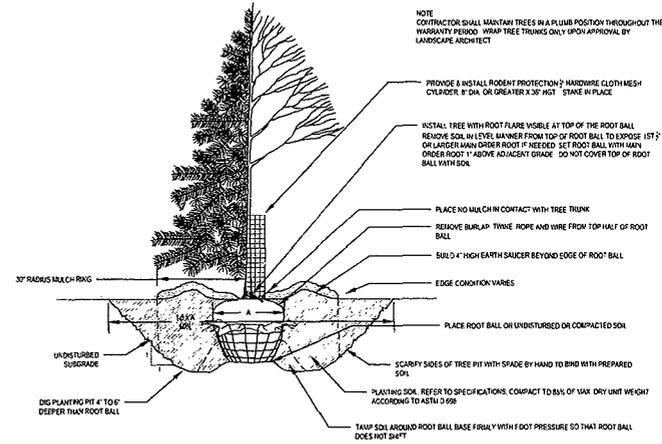
Summary
Designed: mlp Drawn: vld
Approved: vld Book / Page:
Photo: PRELIMINARY Noted Issue: 10/20/2015

Revision History
No. Date By Submittal / Revision

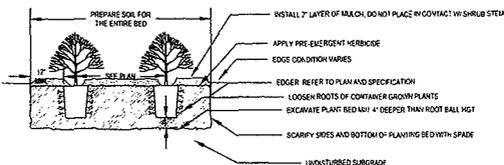
Sheet Title
NORTH ENTRY PLANTING PLAN

Sheet No. Revision
L3.0

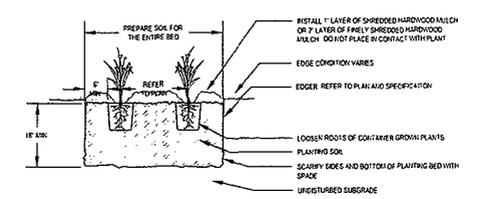
Project No. DOR20318



1 TREE PLANTING DETAIL
SCALE 1/2" = 1'-0"



2 SHRUB PLANTING DETAIL
SCALE 1/2" = 1'-0"



3 PERENNIAL PLANTING DETAIL
SCALE 3/4" = 1'-0"

NOTES

- GENERAL NOTES:**
1. THE CONTRACTOR SHALL INSPECT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS RELATING TO THE NATURE AND SCOPE OF THE WORK.
 2. THE CONTRACTOR SHALL VERIFY PLANT LAYOUT AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT DISCREPANCIES WHICH MAY COMPROMISE THE DESIGN OR INTENT OF THE LAYOUT.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE ZONING REGULATIONS, AND PERMITS GOVERNING THE WORK.
 4. THE CONTRACTOR SHALL PROTECT EXISTING ROADS, CURBS/GUTTERS, TRAILS, TREES, LAWNS AND SITE ELEMENTS DURING CONSTRUCTION. DAMAGE TO SAME SHALL BE REPAIRED AND/OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
 5. LOCATE AND VERIFY ALL UTILITIES, INCLUDING OBSTACLES, WITH THE OWNER FOR PROPRIETARY UTILITIES AND Gopher STATE ONE CALL 48 HOURS BEFORE DIGGING. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ANY DAMAGES TO SAME. NOTIFY THE LANDSCAPE ARCHITECT OF ANY CONFLICTS TO FACILITATE PLANT RELOCATION.
 6. THE CONTRACTOR SHALL COORDINATE THE PHASES OF CONSTRUCTION AND PLANTING INSTALLATION WITH OTHER CONTRACTORS WORKING ON SITE.
 7. THE CONTRACTOR SHALL REVIEW THE SITE FOR DEFICIENCIES IN SITE CONDITIONS WHICH MIGHT NEGATIVELY AFFECT PLANT ESTABLISHMENT, SURVIVAL OR WARRANTY. UNDESIRABLE SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK.
 8. THE PLAN TAKES PRECEDENCE OVER THE LANDSCAPE LEGEND IF DISCREPANCIES EXIST. QUANTITIES SHOWN IN THE PLANTING SCHEDULE ARE FOR THE CONTRACTOR'S CONVENIENCE. CONTRACTOR TO VERIFY QUANTITIES SHOWN ON THE PLAN.
 9. THESE SPECIFICATIONS TAKE PRECEDENCE OVER THE PLANTING NOTES AND GENERAL NOTES.
 10. EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED TO THE END LINE FROM ALL CONSTRUCTION TRAFFIC, STORAGE OF MATERIALS ETC. WITH 1" HI. ORANGE PLASTIC SAFETY FENCING ABSOLUTELY SUPPORTED BY STEEL POSTS @ 6' O.C. MAXIMUM SPACING.
 11. LONG-TERM STORAGE OF MATERIALS OR SUPPLIES ON-SITE WILL NOT BE ALLOWED.
 12. CONTRACTOR SHALL REQUEST IN WRITING A FINAL ACCEPTANCE INSPECTION.
- PLANTING NOTES:**
1. NO PLANTS SHALL BE INSTALLED UNTIL FINAL GRADING AND CONSTRUCTION HAS BEEN COMPLETED TO THE IMMEDIATE AREA.
 2. A GRANULAR PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANT BEDS AT THE MANUFACTURER'S RECOMMENDED RATE PRIOR TO PLANT INSTALLATION.
 3. ALL PLANTING STOCK SHALL CONFORM TO THE "AMERICAN STANDARD FOR NURSERY STOCK" - ANSI-Z60, LATEST EDITION, OF THE AMERICAN ASSOCIATION OF NURSERMEN, INC. AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIALS.
 4. OVERSTORY TREES SHALL BEGAIN BRANCHING NO LOWER THAN 6' ABOVE PAVED SURFACES.
 5. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIALS, FREE OF PESTS AND DISEASE AND BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE LANDSCAPE LEGEND.
 6. PLANT MATERIALS TO BE INSTALLED PER PLANTING DETAILS.
 7. ALL TREES MUST BE STRAIGHT TRUNKED AND FULL NEEDED AND MEET ALL REQUIREMENTS SPECIFIED.
 8. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT ANY PLANTS WHICH ARE DEEMED UNSATISFACTORY BEFORE, DURING, OR AFTER INSTALLATION.
 9. NO SUBSTITUTIONS OF PLANT MATERIAL SHALL BE ACCEPTED UNLESS APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.
 10. ALL PLANT MATERIAL QUANTITIES, SHAPES OF BEDS AND LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN AND ADJUSTED TO CONFORM TO THE EXACT CONDITIONS OF THE SITE. THE LANDSCAPE ARCHITECT SHALL APPROVE THE STAGING LOCATION OF ALL PLANT MATERIALS PRIOR TO INSTALLATION.
 11. ALL PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
 12. MULCH: SHREDED HARDWOOD MULCH, CLEAN AND FREE OF NOXIOUS WEEDS OR OTHER DETERIORATIVE MATERIAL. IN ALL MASS PLANTING BEDS AND FOR TREES, UNLESS INDICATED AS ROCK MULCH ON DRAWINGS, SUBMIT SAMPLE TO LANDSCAPE ARCHITECT PRIOR TO DELIVERY ON-SITE FOR APPROVAL. DELIVER MULCH ON DAY OF INSTALLATION. USE 2" FOR SHRUB BEDS, AND 3" FOR PERENNIAL/GRASS COVER BEDS, UNLESS OTHERWISE DIRECTED.
 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MULCHES AND PLANTING SOIL QUANTITIES TO COMPLETE THE WORK SHOWN ON THE PLAN.
 14. USE ANTI-DESICCANT WINTER PRUNOR APPROVED EQUAL ON DECIDUOUS PLANTS MOVED IN LEAF AND FOR EVERGREENS MOVED ANYTIME. APPLY AS PER MANUFACTURER'S INSTRUCTION. ALL EVERGREENS SHALL BE SPRAYED IN THE LATE FALL FOR WINTER PROTECTION DURING WARRANTY PERIOD.
 15. PLANTING SOIL FOR TREES, SHRUBS AND GROUND COVERS: FERTILE FINEBALE LOAM CONTAINING A LIBERAL AMOUNT OF HUMUS AND CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT SHALL COMPLY WITH MOST SPECIFICATION 7077 TYPE B SELECT TOPSOIL. MIXTURE SHALL BE FREE FROM HARDPAK SUBROIL, STONES, CHEMICALS, NOXIOUS WEEDS, ETC. SOIL MIXTURE SHALL HAVE A PH BETWEEN 6.5 AND 7.5 AND 100-150 POUNDS PER CUBIC YARD. IN PLANTING BEDS INCORPORATE THIS MIXTURE THROUGHOUT THE ENTIRE BED BY ROTOTILLING IT INTO THE TOP 12" OF SOIL.
 16. ANY PLANT STOCK NOT PLANTED ON DAY OF DELIVERY SHALL BE HELED AND WATERED UNTIL INSTALLATION. PLANTS NOT MAINTAINED IN THIS MANNER WILL BE REJECTED.
 17. ALL PLANTS SHALL BE GUARANTEED FOR TWO COMPLETE GROWING SEASONS (APRIL 1 - NOVEMBER 31, UNLESS OTHERWISE SPECIFIED). THE GUARANTEE SHALL COVER THE FULL COST OF REPLACEMENT INCLUDING LABOR AND PLANTS.
 18. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AT LEAST 3 DAYS PRIOR TO PLANNED DELIVERY. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AT LEAST 24 HOURS IN

- ADVANCE OF BEGINNING PLANT INSTALLATION**
- SEASON/TIME OF PLANTING AND SEEDING: NOTE: THE CONTRACTOR MAY ELECT TO PLANT IN OTHER SEASONS ENTIRELY AT HIS/HER RISK. DECIDUOUS
- 19.1. BOTTLED PLANTS: 4/1 - 6/1; 9/21 - 11/1
- 19.2. DECIDUOUS BARE: 4/1 - 6/1; 9/21 - 11/1
- 19.3. EVERGREEN BOTTLED PLANTS: 4/1 - 6/1; 9/21 - 11/1
- 19.4. EVERGREEN BARE: 4/1 - 6/1; 9/21 - 11/1
- 19.5. TURF PLAIN SEEDING: 4/1 - 6/1; 7/20 - 9/20
- 19.6. NATIVE PLANT SEEDING: 4/1 - 7/20; 9/20 - 10/20
20. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER EACH PORTION OF THE WORK IS IN PLACE. PLANT MATERIAL SHALL BE PROTECTED AND MAINTAINED UNTIL THE INSTALLATION OF THE PLANTS IS COMPLETE. INSPECTION HAS BEEN MADE, AND PLANTINGS ARE ACCEPTED EXCLUSIVE OF THE GUARANTEE. MAINTENANCE SHALL INCLUDE WATERING, CULTIVATING, MULCHING, REMOVAL OF DEAD MATERIALS, RESETTING PLANTS TO PROPER GRADE AND KEEPING PLANTS IN A PLUMB POSITION. AFTER ACCEPTANCE, THE OWNER SHALL ASSUME MAINTENANCE RESPONSIBILITIES. HOWEVER, THE CONTRACTOR SHALL CONTINUE TO BE RESPONSIBLE FOR KEEPING THE TREES PLUMB THROUGHOUT THE GUARANTEE PERIOD.
21. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DECAYS PRIOR TO TOTAL ACCEPTANCE OF THE WORK SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE MEETING ALL LANDSCAPE LEGEND SPECIFICATIONS.
22. WATERING: MAINTAIN A WATERING SCHEDULE WHICH WILL THOROUGHLY WATER ALL PLANTS ONCE A WEEK. IN EXTREMELY HOT, DRY WEATHER, WATER MORE OFTEN AS REQUIRED BY INDICATIONS OF HEAT STRESS SUCH AS WILTING LEAVES. CHECK MOISTURE UNDER MULCH PRIOR TO WATERING TO DETERMINE NEED. CONTRACTOR SHALL MAKE THE NECESSARY ARRANGEMENTS FOR WATER.

- TURF NOTES:**
- TURF ESTABLISHMENT SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PROVISIONS OF THE MANDOT 2105 AND 2215 EXCEPT AS MODIFIED BELOW
1. ALL AREAS TO RECEIVE SOIL SHALL ALSO RECEIVE 2" OF TOPSOIL PRIOR TO INSTALLING SOIL. TOPSOIL SHALL BE FREE OF TREE ROOTS, STUMPS, BUILDING MATERIAL AND TRASH, AND SHALL BE FREE OF STONES LARGER THAN 1" IN DIAMETER IN ANY DIMENSION.
 2. WHERE SOIL ADJUTS PAVED SURFACES, FINISHED GRADE OF SOILSDEE SHALL BE HELD 1" BELOW SURFACE ELEVATION OF TRAIL, SALL, CURB, ETC.
 3. SOIL SHALL BE LAYER PARALLEL TO THE CONTOURS AND SHALL HAVE STAGGERED JOINTS ON SLOPES STEEPER THAN 3:1 OR IN DRAINAGE SWALES, SOIL SHALL BE STAKED SECURELY.
 4. TURF ON ALL OTHER AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED BY SEEDING, MULCHING AND FERTILIZING. SEE MIXTURE NO. 25-221 (FORMERLY M-DOT 240) WILL BE PLACED AT THE RATE OF 70 POUNDS PER ACRE.
 5. ALL DISTURBED AREAS TO BE TURF SEED, ARE TO RECEIVE 4" TOP SOIL, SEED, MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED. FOR SLOPES STEEPER THAN 3:1 OR IN DRAINAGE SWALES INSTALL EROSION CONTROL BLANKET.
 6. ALL DISTURBED AREAS TO RECEIVE NATIVE SEED, ARE TO RECEIVE PLANTING SOIL, SEED, MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED. FOR SLOPES STEEPER THAN 3:1 OR IN DRAINAGE SWALES INSTALL EROSION CONTROL BLANKET.

- IRRIGATION NOTES:**
1. IRRIGATION SYSTEM TO BE DESIGN/BUILD. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR APPROVAL OF SYSTEM LAYOUT PRIOR TO INSTALLATION.
 2. ALL SOIL TO RECEIVE SPRAY OR ROTOR IRRIGATION HEADS WITH MINIMUM DESIGN OF 1" IRRIGATION PER WEEK.
 3. ALL PLANT BEDS TO RECEIVE DRIP LINE IRRIGATION. WITH A MINIMUM DESIGN OF 25" IRRIGATION PER WEEK.
 4. CONTRACTOR TO INSTALL A TOTAL OF 4 QUICK COUPLERS AT THE CORNERS OF THE PROPERTY. A 2 1/2" TYPE K SOURCE PIPE IS PROVIDED BY MECHANICAL.

Certification

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly licensed LANDSCAPE ARCHITECT under the laws of the State of Minnesota.

First Name: _____
Registration No. 12245 Date: 10/30/2015

Summary

Designed: VLO Drawn: VLO
Approved: VLO Book / Page:
Phase: PRELIMINARY Initial Issue: 10/30/2015

Revision History

No. Date By Submittal / Revision

Sheet Title
DETAILS AND
NOTES

Sheet No. Revision

L4.0

Project No. DOR20318

REQUEST FOR COMMITTEE ACTION

Item Number: 4A



Meeting Date: November 12, 2015
Agenda Heading: Old Business
Agenda Item: EAB Management Plan Update

Recommended Committee Action:

None.

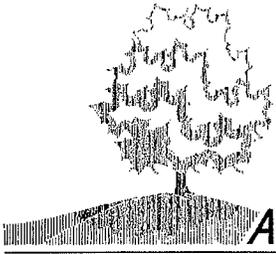
Discussion:

Staff is continuing to work on the EAB Management Plan for the City of Maple Grove. We have met with the City of St. Paul, and hope to meet with other cities to discuss Emerald Ash Borer. Meetings and discussions will be ongoing as the City hopes to have a plan in place soon. Please bring any comments, questions, or concerns to the meeting.

Committee Comments:

REQUEST FOR COMMITTEE ACTION

Item Number: 4B



MAPLE GROVE
ARBOR COMMITTEE

Meeting Date: November 12, 2015

Agenda Heading: Old Business

Agenda Item: Buckthorn Removal Event

Recommended Committee Action:

None.

Discussion:

A review of the buckthorn event that took place on Saturday, November 7.

Committee Comments:

REQUEST FOR COMMITTEE ACTION

Item Number: 5



Meeting Date: November 12, 2015

Agenda Heading: Area Reports

Agenda Item: Area Reports

Recommended Committee Action:

None.

Discussion:

The Area Reports section of the agenda provides an opportunity for any Committee member to report any item in the City that needs staff attention. The issue will be forwarded to the appropriate staff member with a response provided at the next meeting.

Committee Comments: