

PLANNING UNIT REPORT
DEPARTMENT OF PLANNING AND DEVELOPMENT
January 9, 2006

RE: LD. 02625, Certified Survey Map – 4002 Alvarez Avenue, Town of Blooming Grove

1. Requested Action: Consideration of a two-lot Certified Survey Map (CSM) of the Nguyen property located at 4002 Alvarez Avenue in the southwest quarter of the northeast quarter of Section 4, Township 8 N, Range 11 E, Town of Blooming Grove, Dane County, Wisconsin within the City of Madison's Extraterritorial Jurisdiction.
2. Applicable Regulations: Section 16.23, Land Subdivision Regulations, Madison General Ordinances provides the requirements for land divisions located within the corporate limits of the City of Madison or within the Extraterritorial Plat Approval Jurisdiction.
3. Report Prepared By: Timothy M. Parks, Planner.

GENERAL INFORMATION

1. Property Owner: Property Owner: Hung T. Nguyen; 2239 Branson Road; Oregon.
Land Surveyor: Al Kaukl, Badger Surveying & Mapping; 2702 International Lane; Madison.
2. Requested Action: Approval of a certified survey map to allow for the division of 0.43 acres of land into two residential lots.
3. Parcel Location: The subject site is a through lot located on the south side of Bruns Avenue and the north side of Alvarez Avenue adjacent to the eastern right of way of S. Stoughton Road (US Highway 51) in the Town of Blooming Grove; Madison Metropolitan School District.
4. Existing Zoning: County R-3a, which allows one and two-family dwellings.
5. Existing Land Use: One single-family residence located on the southern tier of the through lot adjacent to Alvarez Avenue.
6. Proposed Land Use: The applicant proposes to subdivide the platted lot into two lots to allow two duplexes to be constructed.
7. Surrounding Land Use and Zoning: The property is primarily surrounded to the north and east by single-family residences on a variety of different-sized parcels located in County R-3 zoning, and to the south by commercial uses along Milwaukee Street. An apartment complex is located further east of the site at Walbridge Avenue.
8. Basis for Referral: Criteria for non-agricultural extraterritorial land division.

9. Environmental Corridor Status: There are no mapped environmental corridors located on the subject property.

10. Public Utilities & Services:
 - Water: Property is served by municipal water.
 - Sewer: Property is served by municipal sewer.
 - Fire protection: Blooming Grove Fire Department
 - Emergency medical services: Blooming Grove-Burke-Maple Bluff EMS
 - Police services: Dane County Sheriff's Department – District S1.
 - School District: Madison Metropolitan School District

ANALYSIS AND EVALUATION

Proposed Land Division: The subject site is a 62-foot wide and 300-foot deep (0.43 acres) through lot extending between Alvarez Avenue and Bruns Avenue adjacent to S. Stoughton Road (US Highway 51) in the Town of Blooming Grove. The Planning Unit does not consider this parcel to be a reversed corner lot despite its adjacency to S. Stoughton Road because S. Stoughton Road is a grade-separated expressway adjacent to this parcel with no access provided to this lot. The subject site is developed with a one-story single-family residence located approximately 11 feet from Alvarez Avenue on the southern edge of the property. The site is devoid of any significant topographical features with the exception of a line of mature trees that extend along the northern half of the eastern property line. S. Stoughton Road is elevated about 16-20 feet above the site as the expressway section crosses over Milwaukee Street, which is located one block south of the property. The site is generally surrounded by commercial uses to the south along Milwaukee Street, including a McDonald's and Country Kitchen restaurant. One and two-family residences border the property to the immediate north and east, with multi-family residential located further east near Walbridge Avenue.

The applicant proposes to divide the through lot into two lots for the purposes of constructing two duplexes in County R-3a zoning. The existing house will be demolished. County R-3a zoning requires a minimum of 8,000 square feet of lot area and 60 feet of lot width for lots served by sanitary sewer. The applicant proposes to divide the 300-foot deep property approximately in half, with both lots approximately 150 feet deep and 9,270 square feet in area. As presented, both lots appear to conform to the minimum County zoning requirements.

The site is located outside of any mapped environmental corridors.

Approval of CSM by Town of Blooming Grove and Dane County: Section 16.23 (7) (c) of the Subdivision Regulations requires that subdivisions in the City's Extraterritorial Plat Approval Jurisdiction receive approval from the town of record and Dane County prior to consideration of the request by the Plan Commission.

The Town Administrator for Blooming Grove sent a letter dated August 8, 2005 stating that the Town had approved the proposed land division. The Dane County Board of Supervisors conditionally approved the proposed land division as outlined in a letter dated May 31, 2005

from Norbert Scribner, Land Division Review, Dane County Department of Planning and Development.

City of Madison Land Use Plan: The subject site and surrounding area north of Milwaukee Street is identified for "Residential, Low to Medium-Density Mixed Unit Housing Type Uses" according to the 1988 Land Use Plan. The Draft Comprehensive Plan recommends the subject site and surrounding area for "Medium-Density Residential Uses" between 16 and 40 units per acre.

Land Division Criteria: The Subdivision Regulations provide two criteria for consideration of land divisions in the City's extraterritorial plat approval jurisdiction:

Agricultural Land Division Criteria: The Plan Commission may grant approval of a land division subdividing portions of agricultural lands provided that the Commission shall determine that the proposed land division will assist and assure the continuation of the agricultural use.

Non-Agricultural Land Division Criteria: In the case of nonagricultural lands, the Plan Commission may recommend approval of a subdivision to the Common Council or may grant approval of a land division provided that the Plan Commission shall determine that the proposed subdivision or land division complies with each of the following four criteria:

- a. The proposed subdivision or land division shall be compatible with adjacent land uses and shall maintain the general land use pattern of the area in question.
- b. The proposed subdivision or land division shall result in a development pattern that is compatible with surrounding developments and land uses. Measures of compatibility shall consider lot sizes, traffic generation, access, noise and visual features.
- c. The proposed subdivision or land division and the resulting development shall not demonstrably adversely affect the City's ability to provide public services, install public improvements or accomplish future annexations. The Plan Commission may consider annexation agreements with the property owner in order to comply with this requirement. The Plan Commission may also consider whether the City and Town(s) have reached an agreement on necessary public improvements and public services facilities required to serve the development.
- d. The proposed subdivision or land division shall comply with one of the following:
 - i. The proposed subdivision or land division shall represent infilling of vacant land. Infilling is defined as a subdivision or land division which will accommodate the development of vacant land located such that surrounding existing land uses render the land impractical for any but similar uses.
 - ii. The proposed subdivision or land division shall provide permanent open space lands for use by the general public in conformance with the adopted Parks and Open Space Plan for Dane County, Wisconsin, the City of Madison adopted

Parks and Open Space Plan or the City's other adopted Master Plan elements, including the Peripheral Area Development Plan. The permanent open space lands shall be accessible and open for use by the general public. The open space lands shall be exclusive from, and in addition to, lands required for dedication to comply with applicable public parks and open space dedication requirements and shall be provided at a ratio of two acres of permanent open space lands for every one-acre of developed lands, including street rights of way. For the purpose of this provision, wetlands, flood plain lands, steep slopes, or other lands which are not developable because of sensitive environmental features shall not be counted as permanent open space lands in calculating the ratio of permanent open space lands provided versus developed lands. Steep slopes shall include lands which have grades of twenty percent (20%) or more.

The proposed land division does not meet the standard for an agricultural land division and will instead be reviewed as a non-agricultural land division.

The proposed land division could be considered infilling as stipulated in Part d(i) as the proposal creates two lots of similar design to other lots located to the north and east of the site along both sides of Bruns Avenue and Alvarez Avenue. There are six other 62-foot wide and 150-foot deep lots located on the same block between the site and multi-family residential at Walbridge Avenue, with the potential for four additional 62x150-foot lots to be created on the through lot immediately adjacent to the subject site if that property owner ever desired. The Planning Unit feels the proposed land division represents appropriate intensification in an existing low-density, neighborhood that should not adversely affect the development of this area. The proposed division is consistent with the low to medium-density residential land use designation recommended in the 1988 Land Use Plan and the medium-density residential recommendation in the Draft Comprehensive Plan.

CONCLUSION

The applicant is requesting approval of a certified survey map creating two 62-foot wide by 150-foot deep lots from a 300-foot deep through lot. The division creates two lots that are consistent with the existing development pattern surrounding the site. The proposed land division should have minimal impact on the City's ability to provide municipal services in the future and should have no impact on future development in the surrounding area. The Planning Unit concludes that the non-agricultural land division standards are substantially met with this request.

The Subdivision Regulations require that subdivisions adjacent to state or federal highways comply with State Trans. 405 highway noise abatement provisions, which mandate that any outdoor recreational space serving a residential or institutional use be located outside of the 67-decibel noise contour for the highway, in this case S. Stoughton Road/ US Highway 51. The Subdivision Regulations also require that any residential or institutional structures located within an identified noise contour be constructed to limit highway noise on the building's interior to 52 decibels. The applicant has submitted a highway noise study with this land division request indicating that both existing and twenty-year noise volumes on the subject site are well above the

67-decibel outdoor threshold and that "noise abatement measures may be required." However, given the location of the subject site 16 to 20 feet below the elevated highway, customary noise abatement measures such as an earthen berm or noise attenuation wall would be unfeasible. In addition, few other properties along S. Stoughton Road have such abatement features, and the City has required virtually none to be installed. To that end, the Planning Unit believes that requiring noise abatement to be installed with this land division to be impractical and the 30-foot buffer strip the Subdivision Regulations require for the maintenance of said strips to be superfluous. However, staff will require that a note be placed on the Certified Survey Map stating that any future residential buildings on the two lots will be constructed to meet the interior noise limit of 52 decibels.

RECOMMENDATION

The Planning Unit recommends that the Plan Commission **approve** this Certified Survey Map subject to the following conditions:

1. Comments from reviewing agencies.
2. That the Certified Survey Map be revised as follows:
 - a.) that a note be placed on the CSM stating that any future residential buildings constructed on these two lots will be designed so that interior traffic-induced noise levels will not exceed the 52-decibel interior limit stipulated in the City's Subdivision Regulations;
 - b.) include the following note on the CSM:

"The owners and occupants of existing and future residences on lots contained on this Certified Survey Map acknowledge the presence of high levels of noise and vibration resulting from adjacent US Highway 51 (S. Stoughton Road) and shall hold harmless the Wisconsin Department of Transportation and the City of Madison from any impacts on the use, enjoyment or value of these properties resulting from existing or future highway traffic volumes."



Traffic Engineering Division

David C. Dryer, City Traffic Engineer

Madison Municipal Building
215 Martin Luther King, Jr. Boulevard
P.O. Box 2986
Madison, Wisconsin 53701-2986
PH 608/266-4761
TTY 608/267-9623
FAX 608/267-1158

December 29, 2005

TO: Plan Commission

FROM: David C. Dryer, P.E., City Traffic Engineer

SUBJECT: **4002 Alvarez Avenue - Town of Blooming Grove Sec. 4 - Extra Territorial - Certified Survey (Lot Division)**

The City Traffic Engineering Division has reviewed the subject development and has the following comments.

MAJOR OR NON-STANDARD REVIEW COMMENTS (Comments which are special to the project and/or may require additional work beyond a standard, more routine project.)

1. The applicant shall contact the Department of Planning and Development to comply with M.G. O. Sec. 16.23(3)(d)--Highway Noise Land Use Provisions policies and ordinances.

GENERAL OR STANDARD REVIEW COMMENTS

In addition, we offer the following General or Standard Review Comments:

2. None

Please contact John Leach, City Traffic Engineering at 267-8755 if you have questions regarding the above items:

Contact Person: Al Kauki

Fax: 244-6272

Email:

DCD:DJM:dm



Department of Public Works
City Engineering Division

JAN 03 2006

608 266 4751

Larry D. Nelson, P.E.
City Engineer

City-County Building, Room 115
210 Martin Luther King, Jr. Boulevard
Madison, Wisconsin 53703
608 264 9275 FAX
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Deputy City Engineer
Robert F. Phillips, P.E.

Principal Engineers
Michael R. Dailey, P.E.
Christina M. Bachmann, P.E.
John S. Fahrney, P.E.
David L. Benzschawel, P.E.
Gregory T. Fries, P.E.

Operations Supervisor
Kathleen M. Cryan

Hydrogeologist
Joseph L. DeMorett, P.G.

GIS Manager
David A. Davis, R.L.S.

DATE: December 29, 2005
TO: Plan Commission
FROM: Larry D. Nelson, P.E., City Engineer
SUBJECT: 4002 Alvarez Avenue Certified Survey Map

The City Engineering Division has reviewed the subject development and has the following comments.

MAJOR OR NON-STANDARD REVIEW COMMENTS (Comments which are special to the project and/or may require additional work beyond a standard, more routine project.)

- 1. Each lot shall be served by a separate sanitary lateral.

GENERAL OR STANDARD REVIEW COMMENTS

In addition, we offer the following General or Standard Review Comments:

**Engineering Division Review of Plats (Pre-Preliminary, Preliminary, Final)
and Certified Survey Maps**

Name: 4002 Alvarez Avenue Certified Survey Map

General

- 1.1 The Developer shall enter into a City / Developer agreement for the installation of public improvements required to serve this plat/csm. The developer shall be required to provide deposits to cover City labor and materials and surety to cover the cost of construction. The developer shall meet with the City Engineer to schedule preparation of the plans and the agreement. The City Engineer will not sign off on this plat/csm without the agreement executed by the developer.
- 1.2 Two weeks prior to recording the final plat, a soil boring report prepared by a Professional Engineer, shall be submitted to the City Engineering Division indicating a ground water table and rock conditions in the area. If the report indicates a ground water table or rock condition less than 9' below proposed street grades, a restriction shall be added to the final plat, as determined necessary by the City Engineer.

Right of Way / Easements

- 2.1 The Applicant shall Dedicate a _____ foot wide strip of Right of Way along _____.
- 2.2 The Applicant shall Dedicate a Permanent Limited Easement for grading and sloping _____ feet wide along _____.
- 2.3 It is anticipated that the improvements on [roadway name] _____ required to facilitate ingress and egress to the plat/csm will require additional right of way and/or grading easements located outside the plat/csm boundary. The developer shall

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acquire the right of way and/or sloping easements as required by the City at the developer's expense. In the event that the developer is unable to acquire the right of way and/or sloping easements required, the City shall assist the developer in acquiring the property and the developer shall pay the City for all costs associated with the acquisition.

- 2.4 The Developer shall petition for the street vacation of (roadway name) _____ and provide a legal description and sketch of the right of way to be vacated after consultation with the City Engineer.

Are the following requirements met?

- * Streets Intersect at right angles.
- * A 15 foot minimum tangent at intersections from PC of curve to property line.
- * Arterial intersection spacing generally greater than 1200 feet.
- * Jogs are avoided at intersections. Arterial streets shall be adjusted to align if spacing less than 300 feet.
- * Spacing of intersections on local streets shall be greater than 300 feet.
- * Cul-de-sacs shall be less than 1000 feet long.
- * 100 foot tangents between curves.

- 2.5 _____

- 2.6 Property lines at intersections shall be rounded with a 15 foot radius on _____

- 2.7 Property lines at intersections shall be rounded with a 25 foot radius on _____

- 2.8 The right of way width on _____ shall be _____ feet, on _____ shall be _____ feet and on _____ shall be _____ feet.

- 2.9 _____ shall have a minimum centerline radius of _____ feet and _____ shall have a minimum centerline radius of _____ feet.

- 2.10 The cul-de-sac on _____ shall have a minimum radius of _____ feet with a minimum reverse curve radius of _____ feet.

- 2.11 The plat/csm shall show a temporary limited easement for a temporary cul-de-sac on _____ having a radius of _____ feet and a reverse curve radius of _____ feet. The easement(s) shall expire when the streets are extended.

- 2.12 The developer shall show on the plat/csm a 40 foot utility easement adjacent to [roadway name] _____. The easement wording shall be approved by the City Engineer. The intent of the easement is to allow for the relocation of a major transmission line. The actual poles would remain on the right of way however major transmission lines require an easement beyond the space occupied by the poles for safety.

- 2.13 The City Engineer has reviewed the need for pedestrian and bicycle connections through the development and finds that no connections are required.

- 2.14 The Developer shall Dedicate a Permanent Limited Easement for a pedestrian / bicycle easement _____ feet wide from _____ to _____.

- 2.15 The Developer shall provide a private easement for public pedestrian and bicycle use through the property running from _____ to _____. The developer shall be responsible for the ongoing construction and maintenance of a path within the easement. The maintenance responsibilities shall include, but not be limited to, paving, repaving, repairing, marking and plowing. The developer shall work with the City of Madison Real Estate Staff to administer this easement. Applicable fees shall apply.

Streets and Sidewalks

- 3.1 The Developer shall construct Madison Standard street improvements for all streets within the plat/csm.

- 3.2 The developer shall show a 30 40 (Strike one, 30 collector, 40 Arterial) foot building setback line on the plat/csm adjacent to [Roadway Name] _____ for all lots in the plat/csm adjacent to said roadway.

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- Note: No buffer strip shall be dedicated to the City as the City does not want the maintenance.*
- 3.3 Extensive grading may be required due to steep roadway grades.
- 3.4 The developer shall note that City funds for park frontage are limited and will be determined at the sole discretion of the City.
- 3.5 The developer shall construct sidewalk and record a waiver of their right to notice and hearings for the assessments for the improvement of [roadway] _____ in accordance with Section 66.0703(7)(b) Wisconsin Statutes and Section 4.09 of the MGO. Said sidewalk constructed in front of and waiver recorded to Lot(s) _____.
- 3.6 The Developer shall make the following improvement to [Roadway Name] _____. The Developer shall construct sidewalk and _____ feet of a future _____ foot roadway including curb and gutter on the _____ side of the roadway.
- 3.7 The Developer shall construct sidewalk to a plan approved by the City Engineer and complete ditching as required by the City Engineer along [Roadway Name] _____.
- 3.8 The Developer shall grade the right of way line to a grade established by the City Engineer and complete ditching along the roadway as specified by the city engineer along [Roadway Name] _____.
- 3.9 **Value of sidewalk installation over \$5000.** The Applicant shall Construct Sidewalk to a plan approved by the City Engineer along _____. *(Also require the City / Developer agreement line 1.1)*
- 3.10 **Value of sidewalk installation under \$5000.** The Applicant shall install public sidewalk along _____. The Applicant shall obtain a Street Excavation Permit for the sidewalk work, which is available from the City Engineering Division. The applicant shall pay all fees associated with the permit including inspection fees. All work must be completed within six months or the succeeding June 1, whichever is later.
- 3.11 The Applicant shall execute a waiver of their right to notice and hearings on the assessments for the installation of sidewalk along [roadway] ___ in accordance with Section 66.0703(7)(b) Wisconsin Statutes and section 4.09 of the MGO.
- 3.12 The Applicant shall grade the property line along _____ to a grade established by the City Engineer. The grading shall be suitable to allow the installation of sidewalk in the future without the need to grade beyond the property line. The Applicant shall obtain a Street Excavation permit prior to the City Engineer signing off on this development.
- 3.13 Developer shall make improvements to [Roadway Name] _____ considered temporary to facilitate ingress and egress to the plat/csm until such time as the ultimate improvement of the roadway is undertaken by the city.
- 3.14 The Developer shall make improvements to [Roadway Name] _____ to facilitate ingress and egress to the plat/csm.

[Select one of the below comments for either of the above or leave general]

- The above improvement will consist of acceleration and deceleration tapers.
- The above improvement consists of rights turn lanes.
- The above improvement will consist of passing lanes.
- The above improvement will consist of median openings.
- Caution – The improvements indicated above may require right of way outside of the plat/csm. See comment 2.3 to require additional right of way for this purpose.*
- 3.15 The developer shall note the AASHTO design standards for intersection sight distance will be applied during the design of the streets within this plat/csm.
- 3.16 The developer shall confirm that adequate sight distance exists on _____ where public streets intersect. If adequate sight distance does not exist, the developer shall change the location of the street intersection or agree to make improvements to the roadways such that the sight distance is achieved or make other mitigating improvements as required by the City.

Storm Water Management

- 4.1 An erosion control plan and land disturbing activity permit shall be submitted to the Engineering Division for review and approval prior to grading or any other construction activities. The Preconstruction Meeting for Public Improvements shall not be scheduled prior to issuance of this permit. The applicant shall demonstrate compliance with Section 37.07 and 37.08 of the Madison General Ordinances regarding permissible soil loss rates. The erosion control plan shall include Universal Soil Loss Equation (USLE) computations for the construction period. Measures shall be implemented in order to maintain a soil loss rate below 7.5-tons per acre per year.
- 4.2 The following notes shall be included on the final plat:

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- a. All lots within this plat are subject to public easements for drainage purposes which shall be a minimum of 6-feet in width measured from the property line to the interior of each lot except that the easements shall be 12-feet in width on the perimeter of the plat. For purposes of two (2) or more lots combined for a single development site, or where two (2) or more lots have a shared driveway agreement, the public easement for drainage purposes shall be a minimum of six (6) feet in width and shall be measured only from the exterior property lines of the combined lots that create a single development site, or have a shared driveway agreement, except that the easement shall be twelve (12) feet in width along the perimeter of the plat. Easements shall not be required on property lines shared with greenways or public streets. No buildings, driveways, or retaining walls shall be placed in any easement for drainage purposes. Fences may be placed in the easement only if they do not impede the anticipated flow of water.
- b. The intra-block drainage easements shall be graded with the construction of each principle structure in accordance with the approved storm water drainage plan on file with the City Engineer and the Zoning Administrator, as amended in accordance with the Madison General Ordinances.

4.3 Arrows shall be added to the certified survey map indicating the direction of drainage for each property line not fronting on a public street. In addition, the certified survey map shall include lot corner elevations, for all lot corners, to the nearest 0.25-foot. The following notes shall be added to the certified survey map.

- a. Arrows indicate the direction of surface drainage swale at individual property lines. Said drainage swale shall be graded with the construction of each principal structure and maintained by the lot owner unless modified with the approval of the City Engineer. Elevations given are for property corners at ground level and shall be maintained by the lot owner.
- b. All lots within this certified survey are subject to public easements for drainage purposes which shall be a minimum of 6-feet in width measured from the property line to the interior of each lot except that the easements shall be 12-feet in width on the perimeter of the certified survey. For purposes of two (2) or more lots combined for a single development site, or where two (2) or more lots have a shared driveway agreement, the public easement for drainage purposes shall be a minimum of six (6) feet in width and shall be measured only from the exterior property lines of the combined lots that create a single development site, or have a shared driveway agreement, except that the easement shall be twelve (12) feet in width along the perimeter of the certified survey. Easements shall not be required on property lines shared with greenways or public streets. No buildings, driveways, or retaining walls shall be placed in any easement for drainage purposes. Fences may be placed in the easement only if they do not impede the anticipated flow of water.

4.4 Prior to the issuance of building permits, the Developer shall submit a master stormwater drainage plan to the City Engineering Division for review and approval which shows lot corner elevations to the nearest 0.25-foot. For purposes of the plan, it shall be assumed that grading shall be done on a straight line grade between points unless other information is provided. The proposed slope between points shall always be greater than or equal to .0075 ft/ft. If a break in grade is required between lot corners a shot shall be taken at that break in grade to provide the Engineer with enough information to interpret the plan. The Developer shall also show proposed drainage arrows on the plan to indicate the proposed direction of drainage.

The master storm water drainage plan shall be submitted to City Engineering in digital format with elevations/grades/contours shown on the recorded plat map of the development. The digital record shall be provided using the state plane coordinate system – NAD 27.

The following note shall accompany the master storm water drainage plan:

- a. For purposes of this plan, it is assumed that grading shall be a straight line grade between points unless otherwise indicated. All slopes shall be 0.75% or steeper. Grade breaks between lot corners are shown by elevation or through the use of drainage arrows.

No building permits shall be issued prior to City Engineering's approval of this plan.

4.5 If the lots within this certified survey map are inter-dependent upon one another for storm water runoff conveyance, and/or a private drainage system exists for the entire site an agreement shall be provided for the rights and responsibilities of all lot owners. Said agreement shall be reviewed and placed on file by the City Engineer, referenced on the certified survey map and recorded at the Dane Co Register of Deeds.

4.6 The following note shall be added to the certified survey map. "All lots created by this certified survey map are individually responsible for compliance with Chapter 37 of the Madison General Ordinances in regard to storm water detention at the time they develop."

4.7 This plat/csm could affect a flood plain, wetland or other sensitive areas. As such, it shall be reviewed by the Commission on the Environment. Contact Mike Dailey at 266-4058 for further details. The proposed plat/csm may be considered a major change to the environmental corridor and be subject to a public hearing and approval of the Dane County Regional Plan Commission.

4.8 A portion of this plat/csm may come under the jurisdiction of the US Army Corp of Engineers and Wisconsin Department of Natural Resources for wetland or flood plain issues or navigable waterway. A permit for those matters may be required prior to construction on any of the lots currently within the plat/csm. Contact the WDNR & USACOE for a jurisdictional determination.

4.9 Prior to recording the plat/csm, the applicant shall comply with Chapter 37 of the Madison General Ordinances regarding stormwater management. Specifically, this development is required to:

- Detain the 2 & 10-year storm events.
- Detain the 2, 10, & 100-year storm events.
- Control 40% TSS (20 micron particle).

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- Control 80% TSS (5 micron particle).
- Provide infiltration in accordance with NR-151.
- Provide substantial thermal control.
- Provide oil & grease control from the first 1/2" of runoff from parking areas.

Stormwater management plans shall be submitted and approved by City Engineering prior to signoff.

- 4.10 This site is greater than one (1) acre and the applicant is required by State Statute to obtain a Notice of Intent Permit (NOI) from the Wisconsin Department of Natural Resources. Contact Jim Bertolacini of the WDNR at 275-3201 to discuss this requirement.
- 4.11 NR-151 of the Wisconsin Administrative Code will be effective on October 1, 2004. Future phases of this project shall comply with NR 151 in effect when work commences. Specifically, any phases not covered by a Notice of Intent (NOI) received from the WDNR under NR-216 prior to October 1, 2004 shall be responsible for compliance with all requirements of NR-151 Subchapter III. As most of the requirements of NR-151 are currently implemented in Chapter 37 of the Madison General Ordinances, the most significant additional requirement shall be that of infiltration.

NR-151 requires infiltration in accord with the following criteria. For the type of development, the site shall comply with one of the three (3) options provided below:

Residential developments shall infiltrate 90% of the predevelopment infiltration amount, 25% of the runoff from the 2-year post development storm or dedicated a maximum of 1% of the site area to active infiltration practices.

Commercial development shall infiltrate 60% of the predevelopment infiltration amount, 10% of the runoff from the 2-year post development storm or dedicate a maximum of 2% of the site area to active infiltration practices.

- 4.12 A minimum of two (2) working days prior to requesting City Engineering signoff on the plat/csm the applicant shall contact Randy Whitehead (608-266-4099) to obtain the final stormwater utility charges that are due and payable prior to sub-division of the properties. The stormwater utility charges (as all utility charges) are due for the previous months of service. All charges shall be cleared prior to the land division (and subsequent obsolesces of the existing parcel).

Sanitary Sewer

- 5.1 All outstanding Madison Metropolitan Sewerage District (MMSD) and City of Madison sanitary sewer connection charges are due and payable prior to connection to the public sewerage system.
- 5.2 Each unit of a duplex building shall be served by a separate and independent sanitary sewer lateral.
- 5.3 This land division contains or is adjacent to facilities of MMSD. Prior to approval, applicant shall provide evidence that MMSD has reviewed and approved the proposed land division.

Mapping / Land Records

- 6.1 Wisconsin Administrative Code A-E 7.08 identifies when Public Land System (PLS) tie sheets must be filed with the Dane County Surveyor's office. The Developer's Surveyor and/or Applicant must submit copies of required tie sheets or condition reports for all monuments, including center of sections of record, used in this survey, to Eric Pederson, City Engineering. If a new tie sheet is not required under A-E 7.08, Engineering requests a copy of the latest tie sheet on record with Dane County Surveyor's office. The Applicant shall identify monument types on all PLS corners included on the Plat or CSM. **Note: Land tie to two PLS corners required.**
- 6.2 In accordance with Section s. 236.18(8), Wisconsin Statutes, the Applicant shall reference **City of Madison NAD 1927 Coordinates** on all PLS corners on the Plat or Certified Survey Map in areas where this control exists. The Surveyor shall identify any deviation from City Master Control with recorded and measured designations. City of Madison has established NAD 1927 Coordinates on all PLS corners within its corporate boundary. Visit the City of Madison Engineering Division web address http://gis.ci.madison.wi.us/Madison_PLSS/PLSS_TieSheets.html for current tie sheets and control data. If a surveyor encounters an area without a published NAD 1927 value, contact Engineering Division for this information.
- 6.3. The Applicant shall submit to Eric Pederson, prior to Engineering sign-off of the subject plat, two (2) digital and one (1) hard copy of the final plat/CSM to the Mapping/GIS Section of the Engineering Division. **The digital copies shall be submitted in both NAD27 & WIDOT County Coordinate System, Dane County Zone datums in either Auto CAD Version 2001 or older, MicroStation Version J or older or Universal DXF Formats and contain the minimum of the following, each on a separate layer name/level number:**
 - a. Right-of-Way lines (public and private)
 - b. Lot lines
 - c. Lot numbers
 - d. Lot/Plat dimensions
 - e. Street names
 - f. Easement lines (i.e. street, sanitary, storm (including wetland & floodplain boundaries) water, pedestrian/bike/walkway, or any public and/or private interest easement except **local service** for Cable TV, gas, electric and fiber optics).

NOTE: This transmittal is a separate requirement than the required submittals to Bob Arseneau for design purposes.

NOTE: New electronic final plat transmittals and notification of changes which occur to the final plat during the time the Engineering Division signs off and receives the digital copies of said plat and the recording thereof, are the responsibility of the Developer/Surveyor.

- 6.4 In accordance with Section s.236.34(1) (c) which says a CSM shall be prepared in accordance with s.236.20(2) (c) & (f), Wisconsin Statutes, the Applicant must show type, location and width of any and all easements. Clearly identify the difference between existing easements (site Register of Deeds recording data) and easements which are being conveyed by the Plat/CSM. Identify the owner and/or benefiting interest of all easements.