

**PLANNING DIVISION REPORT
DEPARTMENT OF PLANNING AND COMMUNITY
AND ECONOMIC DEVELOPMENT
Of December 12, 2007**

RE: ID 08436, Certified Survey Map – 5714-5806 Old Sauk Road

1. Requested Action: Consideration of a three-lot Certified Survey Map (CSM) of the Knoche property located at 5714-5806 Old Sauk Road creating a deep residential lot.
2. Applicable Regulations: Section 16.23, Land Subdivision Regulations, Madison General Ordinances provides the requirements for land divisions. Section 28.04 (11) stipulates that the Plan Commission may approve the creation of a deep residential lot based on the criteria for such lots and in consideration of the standards and procedures set forth in Section 28.12 (11) for conditional uses.
3. Report Prepared By: Timothy M. Parks, Planner

GENERAL INFORMATION

1. Applicant & Property Owner: David Knoche; 5806 Old Sauk Road; Madison.
Land Surveyor: Mike Ziehr, Calkins Engineering, Inc.; 5010 Voges Road; Madison.
2. Requested Action: Approval of a certified survey map to allow for the division of two existing parcels totaling two acres of land into three residential lots.
3. Parcel Location: Located at 5714-5806 Old Sauk Road; Aldermanic District 19; Madison Metropolitan School District.
4. Existing Zoning: R1 (Single-Family Residence District)
5. Existing Land Use: Two single-family residences.
6. Proposed Land Use: Three single-family lots, including one deep residential lot.
7. Surrounding Land Use and Zoning: The subject site is generally surrounded by single-family residences in the R1 and R2 Single-Family Residence zoning districts with the exception of Crestwood Elementary School, which abuts the subject site to the immediate west.
8. Adopted Land Use Plan: The Comprehensive Plan identifies this area for low-density residential uses.

9. Environmental Corridor Status: There are no mapped environmental corridors located on the subject property. The eastern half of the site is shown as having slopes in excess of 12%, while the adjacent school is mapped as public lands.
10. Public Utilities & Services: The property is served by a full range of urban services.

STANDARDS FOR REVIEW:

This application is subject to the conditional use standards of Section 28.12 (11)(g). In addition, Section 28.04 (11) of the Zoning Ordinance includes the following criteria for deep residential lots (excerpted):

- (a) Statement Of Purpose. This subsection is established to allow the intensive development of certain deep residential lots which could not otherwise be fully developed under this or any other development control ordinance. The intensive development of a deep lot is not a matter of right but instead a privilege granted to the developer by the City when the Plan Commission makes a finding that such development is in the public interest. (Am. by Ord. 5197, 10-31-75)
- (b) General Regulations.
 1. The Plan Commission may allow, after consideration of the standards set forth in Section 28.12(11)(g), the development of a deep residential zoning lot into not more than four (4) zoning lots, provided that the front lot shall have a lot width not less than that required in the district in which it is located, and further provided that the rear lot shall have an access to an improved public street through an unobstructed strip of land not less than thirty (30) feet in width. Such strip of land shall be a part of the rear lot and shall not be used to satisfy any area, yard or usable open space requirement.

ANALYSIS, EVALUATION AND CONCLUSION

The site of the proposed land division is an irregularly-shaped two-acre parcel located on the north side of Old Sauk Road, approximately 400 feet west of Old Middleton Road. The subject site consists of two existing parcels individually developed with single-family residences in R1 Single-Family Residence zoning. The site has approximately 200 feet of frontage on Old Sauk Road. The eastern side property line of the overall site extends 360.8 feet in three segments north from Old Sauk Road, while the western side property line extends 461.5 feet in overall length, including a 140 east-west leg that extends along the rear property lines of two single-family lots fronting onto Old Sauk Road. The northern property line extends approximately 329 feet and includes a triangularly shaped notch in the northwestern corner of the site.

Approximately 1.22 acres of the overall 2-acre site is addressed 5806 Old Sauk and is developed

with a two-story residence located about 150 feet north of the road and 70 feet from the rear property line of the parcel addressed as 5714 Old Sauk Road, which comprises the rest of the subject site. The majority of the 5806 parcel is removed from Old Sauk Road and is connected to the road by a 28-foot peninsula along the western edge of the site. The 5714 Old Sauk property is a 0.77-acre parcel with 176 feet of street frontage that is developed with a bi-level home located 60 feet north of the road. The overall site is characterized by a substantial slope from west to east, with over 40 feet of fall across the width of the combined property. The site is also characterized by significant tree cover across most of the property.

The applicant proposes a three-lot Certified Survey Map to divide the undeveloped eastern 31,232 square feet of the combined 2-acre property from the rest of the site. The new lot is shown as Lot 3 of the survey map and will extend the length of the jagged eastern line of the overall property. The new lot will contain 66 feet of frontage along Old Sauk Road. The residence at 5806 Old Sauk Road will occupy a 0.97-acre lot, shown as Lot 1 on the survey. Lot 1 will be connected to Old Sauk Road via a slightly wider, 37.5-foot peninsula along the western property line of the site. The residence at 5714 Old Sauk Road will be located on Lot 2 of the survey, which will contain 96.56 feet of frontage and 0.31-acres of land area, and will be surrounded by Lots 1 and 3 of the survey. The Certified Survey Map will also dedicate 40 feet of right of way for Old Sauk Road as measured from the centerline.

Lot 1 is considered a "deep residential lot" under the Zoning Ordinance, which permits such lots if the Plan Commission concludes that the conditional use standards are met. As described above, a deep residential lot may be created provided that at least one of the lots in the proposed subdivision provides the requisite amount of frontage along a public street per the zoning district. R1 zoning requires that new lots contain a minimum of 8,000 square feet of lot area and 65 feet of lot width at the street. Lots 2 and 3 more than adequately comply with the lot width and area requirements. In addition, the 37.5-foot wide peninsula provided for Lot 1 complies with the requirement for a 30-foot unobstructed strip for the deep residential lot as stated in the ordinance.

Most of the setbacks proposed for the existing residences appear to comply with the R1 yard requirements, which generally require a 30-foot front yard and 40-foot rear yard for principal structures. All of the side yards proposed are adequate. However, the rear yard proposed for the residence on Lot 2 appears deficient of the 40-foot rear yard required. If the proposed land division is approved, staff recommends a condition of approval that adjusts the common lot line between Lots 1 and 2 so that the residence on Lot 2 has sufficient rear yard per the zoning. It appears that there is sufficient front yard for the residence on Lot 1 to allow this adjustment to occur.

The Planning Division believes that the conditional use standards can be met in granting approval of the deep residential lot. The surrounding neighborhood is generally characterized by a variety of single-family lots of varying size and design. While the design of proposed Lot 1 is not optimal, the proposed land division modifies a historic, nonconforming deep residential lot

(the existing lot does not currently have the requisite 30-foot unobstructed strip of land). In general, staff feels that this land division should have little impact on the development pattern of the surrounding area and that it can meet the standards for approval.

The applicant has included a tree protection recommendation statement with his application that contains general recommendations for preserving trees on the site during the construction of a structure on Lot 3. It does not contain an inventory of trees present but does allude to the presence of hardwoods on the property. Staff feels that the general recommendations will be useful in preserving the tree cover present but would recommend that a building envelope be provided for Lot 3 that would identify the general location on the site where the new residence will be built.

Staff sent public hearing notices about this item to neighbors within 200 feet of the property and has not heard from any concerned parties regarding this request as of the publishing of this report.

RECOMMENDATION

The Planning Division recommends that the Plan Commission find the conditional use standards and deep residential lot criteria met and **approve** a Certified Survey Map of property located at 5714-5806 Old Sauk Road, creating a deep residential lot, subject to the following conditions:

1. Comments from reviewing agencies.
2. That the Certified Survey Map be revised to show the following:
 - a.) a building envelope on Lot 3 for the purpose of assuring tree preservation;
 - b.) the relocation of the common lot line between Lots 1 and 2 to the north so as to provide the 40-foot rear yard required by R1 zoning for the residence on Lot 2;
 - c.) the adjustment of the common line between Lots 2 and 3 to place the driveway for the Lot 2 residence entire on its property. In the alternative, the survey may be revised to show the removal of the portion of the driveway that will encroach over the proposed lot line.



Department of Public Works
City Engineering Division

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
1 866 704 2315 Textnet

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.
Gregory T. Fries, P.E.

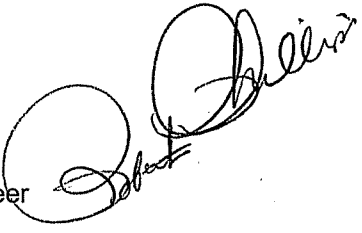
Facilities & Sustainability
Jeanne E. Hoffman, Manager
James C. Whitney, A.I.A.

Operations Manager
Kathleen M. Cryan

Hydrogeologist
Joseph L. DeMorett, P.G.

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

Financial Officer
Steven B. Danner-Rivers

DATE: December 3, 2007
TO: Plan Commission
FROM: *fn* Larry D. Nelson, P.E., City Engineer 
SUBJECT: 5806 and 5714 Old Sauk Road 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. The proposed Certified Survey Map (CSM) includes a portion of platted Lot 4, Duff Subdivision. Identify the underlying Lot 4 lot line and include in the legal description of this proposed CSM.
2. There are sanitary sewer service issues for the proposed lots which may potentially require private sanitary easements either created by this CSM or private easements granted by the owner(s) of lands outside of this proposed CSM (across Lot 1, CSM 2231 to Old Middleton Rd to serve proposed Lot 3). Necessary private sanitary easements, outside of the CSM boundary, must be negotiated by the owner, recorded and identified on the CSM prior to Engineering sign-off and recording.
3. The existing driveway for 5806 Old Sauk Road encroaches on Knoche owned lands at 5810 Old Sauk Road, which is not part of this proposed CSM. This driveway will need to be relocated entirely within proposed Lot 1 of this CSM or a private driveway easement be created and recorded across the portion of Lot 2, CSM 8005 prior to Engineering sign-off and recording of this proposed CSM.
4. Each Lot shall have a separate sanitary sewer lateral.
5. Show location of all existing sewer laterals and establish private easements as needed. Prior to approval, show proposed sewer service for proposed lot 3. If public main is extended, a Developer's Agreement shall be required.
6. Lots will drain across lot lines (outside of easements) so a drainage agreement will be required.

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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: 5806 and 5714 Old Sauk Road 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.
- 1.3 The Developer is required to pay Impact Fees for the _____ Impact Fee District for Lot(s) _____ of the _____ Plat/CSM. The current rate is \$ _____ /1000SF for a total of \$ _____. The Developer shall select one of the following two options for payment of these fees:
 - 1) Impact Fees shall be paid in full prior to Engineering sign-off of the plat/csm.
 - 2) The Developer has elected to defer the payments until such time as the building permits are applied for, in which case the owner(s) shall have fourteen (14) days after receiving the invoices to pay the outstanding impact fees. The following shall be required prior to plat sign off;
 - a) The Developer shall supply an Excel spreadsheet with lot numbers, lot areas, and number of dwelling units per lot. The Developer shall supply a CADD file of the proposed FINAL plat, in a format compatible with Microstation J. This information shall be required to calculate the Impact Fees, which will then be recorded at the Register of Deeds against each lot in the subdivision..
 - b) All information shall transmitted to Janet Dailey by e-mail at Jdailey@cityofmadison.com, or on a CD to:

Janet Dailey
City of Madison Engineering Division
210 Martin Luther King Jr. Blvd
Room 115
Madison, WI 53703
 - c) A minimum of three (3) weeks shall be required for staff to calculate the Impact Fees and record the documents prior to plat sign-off.

The Developer shall put the following note on the face of the plat:

ALL THE LOTS WITHIN THIS SUBDIVISION ARE SUBJECT TO IMPACT FEES THAT ARE DUE AND PAYABLE WITHIN FOURTEEN DAYS OF THE ISSUANCE OF BUILDING PERMIT(S).

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 10 feet wide along Old Sauk Road.
- 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 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.

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- * 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 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.
- 2.16 Public Sanitary Sewer Easement(s) dedicated to the City of Madison ("City") on the face of this Certified Survey Map or Subdivision Plat
is/are subject to the following conditions:
 - a. The property owner reserves the right to use and occupy the Public Sanitary Sewer Easement Area(s) in a manner consistent
with the rights herein conveyed, provided that such use and occupancy shall not interfere with or disturb the installation,
operation, maintenance, repair, replacement and/or modification of the public sanitary sewer facilities.
 - b. No above-ground improvements shall be located in the Public Sanitary Sewer Easement Area(s) by the City or the property
owner, with the exception that grates, sewer access structure (SAS) covers, and other access points to the public sanitary sewer
facilities shall be permitted at grade level. (Optional: and with the exception that pavement and/or concrete for driveway
purposes shall be permitted.)
 - c. Plantings and landscaping within the Public Sanitary Sewer Easement Area(s) shall not obstruct routine maintenance by the
City. In the event of repair or reconstruction, plantings and landscaping may be removed by the City without replacement or
compensation to the property owner.
 - d. The property owner shall not change the grade of the Public Sanitary Sewer Easement Area(s) without the prior written approval
of the City's Engineering Division.
 - e. The Public Sanitary Sewer Easement(s) may not be amended, modified, terminated, or released without the written consent of
all the parties hereto, or their respective successors-in-interest.
- 2.17 The Public Sidewalk Easement(s) dedicated to the City of Madison ("City") on the face of this Certified Survey
Map or Subdivision Plat is/are subject to the following conditions:
 - a. The property owner reserves the right to use and occupy the Public Sidewalk Easement Area(s) in a manner consistent

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- with the rights herein conveyed, provided that such use and occupancy shall not interfere with or disturb the installation, operation, maintenance, repair, replacement and/or modification of the public sidewalk improvements.
- b. No above-ground improvements will be allowed in the Public Sidewalk Easement Area(s) by the property owner. **(Optional:** with the exception that pavement and/or concrete for driveway purposes shall be permitted.)
- c. Plantings and landscaping within the Public Sidewalk Easement Area(s) shall not obstruct routine maintenance by the City. In the event of repair or reconstruction, plantings and landscaping may be removed by the City without replacement or compensation to the property owner.
- d. The property owner shall not change the grade of the Public Sidewalk Easement Area(s) without the prior written approval of the City's Engineering Division.
- e. The Public Sidewalk Easement(s) may not be amended, modified, terminated, or released without the written consent of all the parties hereto, or their respective successors-in-interest.

2.18 The Public Storm Sewer Easement(s) dedicated to the City of Madison ("City") on the face of this Certified Survey Map or Subdivision Plat is/are subject to the following conditions:

- a. The property owner reserves the right to use and occupy the Public Storm Sewer Easement Area(s) in a manner consistent with the rights herein conveyed, provided that such use and occupancy shall not interfere with or disturb the installation, operation, maintenance, repair, replacement and/or modification of the public storm sewer facilities.
- b. No above-ground improvements shall be located in the Public Storm Sewer Easement Area(s) by the City or the property owner, with the exception that grates, sewer access structure (SAS) covers, and other access points to the public storm sewer facilities shall be permitted at grade level. **(Optional:** and with the exception that pavement and/or concrete for driveway purposes shall be permitted.)
- c. Plantings and landscaping within the Public Storm Sewer Easement Area(s) shall not obstruct routine maintenance by the City. In the event of repair or reconstruction, plantings and landscaping may be removed by the City without replacement or compensation to the property owner.
- d. The property owner shall not change the grade of the Public Storm Sewer Easement Area(s) without the prior written approval of the City's Engineering Division.
The Public Storm Sewer Easement(s) may not be amended, modified, terminated, or released without the written consent of all the parties hereto, or their respective successors-in-interest.

2.19 The Public Water Main Easement(s) dedicated to the City of Madison ("City") on the face of this Certified Survey Map or Subdivision Plat is/are subject to the following conditions:

- a. The property owner reserves the right to use and occupy the Public Water Main Easement Area(s) in a manner consistent with the rights herein conveyed, provided that such use and occupancy shall not interfere with or disturb the installation, operation, maintenance, repair, replacement and/or modification of the public water main facilities.
- b. No above-ground improvements will be allowed in the Public Water Main Easement Area(s) by the property owner. **(Optional:** with the exception that pavement and/or concrete for driveway purposes shall be permitted.)
- c. Plantings and landscaping within the Public Water Main Easement Area(s) shall not obstruct routine maintenance by the City. In the event of repair or reconstruction, plantings and landscaping may be removed by the City without replacement or compensation to the property owner.
- d. The property owner shall not change the grade of the Public Water Main Easement Area(s) without the prior written approval of the City's Engineering Division.
- e. The Public Water Main Easement(s) may not be amended, modified, terminated, or released without the written consent of all the parties hereto, or their respective successors-in-interest.

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.
- 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] _____.

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- 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. This permit application is available on line at <http://www.cityofmadison.com/engineering/permits.cfm>.
- 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. This permit application is available on line at <http://www.cityofmadison.com/engineering/permits.cfm>.
- 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.
- 3.17 All proposed street names shall be approved by the City Engineer. Applicant shall contact Lori Zenchenko (608-266-5952) with street name requests.
- 3.18 Installation of "Private" street signage in accordance with 10.34 MGO is required.
- 3.19 Coordinate all necessary new interior addresses associated with this proposed development with City Engineering Program Specialist Lori Zenchenko izenchenko@cityofmadison.com or (608) 266-5952

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:
 - 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.

NOTE: IN THE EVENT OF A CITY OF MADISON PLAN COMMISSION AND/OR COMMON COUNCIL APPROVED REDIVISION OF A PREVIOUSLY SUBDIVIDED PROPERTY, THE UNDERLYING PUBLIC EASEMENTS FOR DRAINAGE PURPOSES ARE RELEASED AND REPLACED BY THOSE REQUIRED AND CREATED BY THE CURRENT APPROVED SUBDIVISION.

- 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.

Information to Surveyor's: In addition to notes such as this, WI State Plat Review now enforces the requirement that easements or other reference lines/areas be graphically shown, dimensioned and tied when they represent fixed locations. They will accept a "typical detail" when the easement or restriction can be effectively described and retraced from the typical detail.

- 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.

NOTE: IN THE EVENT OF A CITY OF MADISON PLAN COMMISSION AND/OR COMMON COUNCIL APPROVED REDIVISION OF A PREVIOUSLY SUBDIVIDED PROPERTY, THE UNDERLYING PUBLIC EASEMENTS FOR DRAINAGE PURPOSES ARE RELEASED AND REPLACED BY THOSE REQUIRED AND CREATED BY THE CURRENT APPROVED SUBDIVISION.

Information to Surveyor's: In addition to notes such as this, WI State Plat Review now enforces the requirement that easements or other reference lines/areas be graphically shown, dimensioned and tied when they represent fixed locations. They will accept a "typical detail" when the easement or restriction can be effectively described and retraced from the typical detail.

- 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 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 management 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 **13**

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).
 - 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. This permit application is available on line at <http://www.cityofmadison.com/engineering/permits.cfm>.
- 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 Janet Dailey (608-261-9688) 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 Engineering sign-off, unless otherwise collected with a Developer's / Subdivision Contract. Contact Janet Dailey (608-261-9688) to obtain the final MMSD billing a minimum of two (2) working days prior to requesting City Engineering signoff.
- 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 WCCS Dane Zone, 1997 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 WCCS, Dane Zone 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 WCCS Dane Zone 1997 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 Engineering Streets Section 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 (cite 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.
- 6.5 Prior to Engineering final sign-off by main office for Certified Survey Maps (CSM), final CSM must be submitted to Engineering Division Surveyor / Land Records Coordinator for final technical review and approval. This submittal must occur a minimum of two working days prior to final Engineering Division sign-off. Electronic mail submittal of the FINAL CSM in PDF form is preferred. Transmit to epederson@cityofmadison.com



Traffic Engineering and Parking Divisions

David C. Dryer, P.E., City Traffic Engineer and Parking Manager

Suite 100
215 Martin Luther King, Jr. Boulevard
P.O. Box 2986
Madison, Wisconsin 53701-2986
PH 608 266 4761
TTY 866-704-2315
FAX 608 267 1158

December 6, 2007

TO: Plan Commission

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

SUBJECT: **5806 and 5714 Old Sauk Road - Town of Madison Sec. 18 - 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. None

PEDESTRIAN AND BICYCLE TRANSPORTATION REVIEW COMMENTS

2. None

GENERAL OR STANDARD REVIEW COMMENTS

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

3. None

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

Contact Person: Mike Ziehr

Fax: 838-0445

Email:

DCD:DJM:dm