

**PLANNING DIVISION REPORT
DEPARTMENT OF PLANNING AND COMMUNITY
AND ECONOMIC DEVELOPMENT
Of April 18, 2007**

RE: LD. 06224, Certified Survey Map – 5756 Portage Road, Town of Burke

1. Requested Action: Consideration of a two-lot Certified Survey Map (CSM) of the Orvick property located at 5756 Portage Road in the northwest quarter of the northwest quarter of Section 15, Township 8 N, Range 10 E, Town of Burke, 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. Applicants & Property Owners: Ruth E., Mark G. & Lisa Orvick; 5768 Portage Road; Madison.

Land Surveyor: Birrenkott Surveying, Inc.; 1677 N. Bristol Street; Sun Prairie.
2. Requested Action: Approval of a certified survey map creating two residential lots from 1.2 acres.
3. Parcel Location: Generally located on the east side of Portage Road, approximately 1,000 feet south of Hoepker Road, in the Town of Burke; DeForest School District.
4. Existing Zoning: County A-1 (agricultural district)
5. Existing Land Use: A two-story single-family residence on the northern half of the property.
6. Proposed Land Use: The applicants propose to subdivide the parcel into two equal lots.
7. Surrounding Land Use and Zoning: The subject site is located among a line of single-family residences on various sized parcels located along the east side of Portage Road south of Hoepker Road in County A-1 zoning. Burke Lutheran Church is located 700 feet south of the site on the same side of Portage Road. The area is otherwise undeveloped, and includes agricultural lands on the west side of Portage Road and a golf driving range owned by the applicants, which borders the subject site to the east.
8. Basis for Referral: Criteria for non-agricultural land division.

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

10. Public Utilities & Services:
 - Water: Property is not served by municipal water
 - Sewer: Property is not served by municipal sewer
 - Fire protection: Sun Prairie Fire Department
 - Emergency medical services: Blooming Grove-Burke-Maple Bluff EMS
 - Police services: Dane County Sheriff's Department – District N2
 - School District: DeForest School District

ANALYSIS, EVALUATION AND CONCLUSION

Proposed Land Division: The subject site is a 1.2-acre parcel located on the east side of Portage Road, approximately 1,000 feet south of Hoepker Road in the Town of Burke and is developed with a two-story single-family residence located on the northern half of the property. The subject site is located among a line of single-family residences on various sized parcels located along the east side of Portage Road south of Hoepker Road in County A-1 zoning, with Burke Lutheran Church located further south of the site on the same side of Portage Road. The area is otherwise generally undeveloped, and includes agricultural lands on the west side of Portage Road and a golf driving range bordering the subject site to the east in County RE-1 recreational zoning. A portion of the agricultural land west of the site across Portage Road was annexed to the City of Madison last year.

The subject parcel is characterized by a gradual slope that falls from east to west, with the land draining towards the headwaters of Starkweather Creek further west. The site and many of the single-family lots to the north and south are generally characterized by mature tree cover.

The applicants wish to divide the parcel into two equal lots of 22,311 square feet under the existing County agricultural zoning, with the house to be located on the northern of the two parcels. An existing driveway serving the house (not shown on the survey) will primarily be located on the northern lot, although a small portion will cross onto Lot 2 at the road. City staff is asking that the long-term maintenance of the driveway be addressed as a condition of approval of this land division.

Approval of CSM by Town of Burke 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 Burke Town Board recommended approval of the proposed land division on December 21, 2006. Dane County granted conditional approval of the proposed land division as outlined in a letter dated January 16, 2007 from Norbert Scribner, Land Division Review, Dane County Department of Planning and Development.

City of Madison Comprehensive Plan: The subject site is not currently covered by a City-adopted neighborhood development plan, but is located in Peripheral Planning Area B in the Comprehensive Plan. Planning Area B is a "Group 1" planning area recommended primarily for development following a "traditional neighborhood" model that will be described in a detailed neighborhood development plan. The Planning Division is currently preparing a plan for this area with a working name of the Pumpkin Hollow Neighborhood Development Plan. The plan area is generally bounded by Rattman Road on the east, Hoepker Road on the south, US Highway 51 on the west and State Route 19 on the north. At this time, specific land use recommendations for this plan have not been developed. Staff anticipates completion of the plan during 2007.

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 subject site is located along a portion of Portage Road south of Hoepker Road intersection that includes a variety of single-family lots of various sizes, which leads staff to believe that the infilling standard can be met with this land division. The two lots proposed would be generally similar in size to existing lots to the immediate north and south of the site, which individually vary slightly in size. Staff believes that this land division will further the land use pattern already present in the immediate area along the east side of Portage Road.

As noted above, the Planning Division is currently preparing the Pumpkin Hollow Neighborhood Development Plan, which will include recommendations for land use, transportation and the extension of public services for the area generally northwest of The American Center. While specific recommendations have not been finalized for the planning area, a significant portion of the area will be recommended for low-density residential uses with portions of the planning area recommended for higher-density and possibly a limited amount of mixed-use or non-residential development. Staff has reviewed the proposed land division in relation to potential plan recommendations and believes that the two lots will be in keeping with the plan for this

section of Portage Road. Also, it should have little or no impact on the ability of the surrounding area to develop in accordance with potential plan recommendations.

CONCLUSION

The applicants are requesting approval of an extraterritorial land division to divide their parcel into two equal lots. The land division creates two lots that are consistent with the existing development pattern along the east side of Portage Road south of Hoepker Road. The proposed land division should have minimal impact on the City's ability to provide municipal services in the future and should have little or no impact on future development in the surrounding area that will be governed by the forthcoming Pumpkin Hollow Neighborhood Development Plan. The Planning Division concludes that the non-agricultural land division standards are substantially met with this request.

The City of Madison is requesting the dedication of eight additional feet of right of way along the east side of Portage Road to serve future roadway needs.

RECOMMENDATION

The Planning Division recommends that the Plan Commission **approve** this Certified Survey Map subject to input at the public hearing and the following conditions:

1. Comments from reviewing agencies.
2. That the survey be revised to show the existing driveway. Final approval of the survey shall be contingent upon the applicants providing a note on the survey indicating whether the driveway will be relocated entirely onto Lot 1 or if a cross-access agreement will be entered into between the two lots to govern the long-term maintenance of the driveway in its current alignment.
3. That the applicant revise the Certified Survey Map to dedicate an additional eight feet of right of way along the east side of Portage Road, for a total of 48 feet of right of way from the centerline.
4. Alliant Energy is requesting that a 12-foot wide utility easement be dedicated along the length of the Portage Road frontage of the two proposed lots.



Department of Public Works
City Engineering Division

608 266 4751

Larry D. Nelson, P.E.
City Engineer

City-County Building, Room 115
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Madison, Wisconsin 53703
608 264 9275 FAX
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Deputy City Engineer
Robert F. Phillips, P.E.

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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. Davls, R.L.S.

DATE: April 11, 2007
TO: Plan Commission
FROM: Larry D. Nelson, P.E., City Engineer
SUBJECT: 5756 Portage 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. Driveway to existing home on proposed Lot 2 appears to be partially located on proposed Lot 1. Relocate the driveway or provide private joint driveway easement language either created by this CSM or separate recorded document to resolve this. If separate recorded document option is chosen, that document must be recorded before the CSM and the recording information thereof referenced on the CSM.
2. Existing well serving existing home appears to be partially on proposed Lot 1. Provide language on CSM to resolve this or include well easement language in separately with the separately recorded joint driveway easement document.
3. Delineate location and dimension the existing No Access as created by CSM 3709.
4. Correct typographical errors of CAAP (CAP) for North ¼ Corner & West ¼ corner notes.
5. Show recorded and measured values for distances along east and west line of Lot 1, CSM 7560.
6. Include specific horizontal datum reference for which this map bearing reference is oriented to.

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: 5756 Portage Road Certified Survey Map

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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 15-foot wide along Portage 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.
- * 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.

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- 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.
- 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.

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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.

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.

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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 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).
 - 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 dedicate 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

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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 (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.
- 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