

PLANNING DIVISION REPORT
DEPARTMENT OF PLANNING AND COMMUNITY
AND ECONOMIC DEVELOPMENT
of November 19, 2007

RE: I.D. #08147, Conditional Use – 5438 Lake Mendota Drive

1. Requested Action: Approval of a conditional use for a 600 square foot addition to a single-family residence and construction of a detached garage at 5438 Lake Mendota Drive.
2. Applicable Regulations: Section 28.04 (19) provides the standards for waterfront development; Section 28.12 (11) provides the guidelines and regulations for the approval of conditional uses.
3. Report Prepared By: Kevin Firchow, AICP, Planner

GENERAL INFORMATION

1. Applicant and Contact: Michael Houswerth; Nicolas Construction; 824 Lincoln Green Road; DeForest, WI 53532

Property Owner: Mike and Jeanette Tierney; 5438 Lake Mendota Drive; Madison, WI 53708
2. Development Schedule: The applicant wishes to proceed in December 2007 with completion anticipated for March 2008.
3. Parcel Location: An approximately 16,533 square foot parcel located at 5438 Lake Mendota Drive, near its intersection with Clifford Court; Aldermanic District 19; Madison Metropolitan School District.
4. Existing Conditions: The site includes the subject residence, a two-story single-family home of approximately 1,600 square feet. Other structures on the site include a smaller secondary residence, a boathouse, and an additional shed.
5. Proposed Use: The applicant proposes two projects subject to conditional use approval. The first project is the construction of a 600-foot addition to the main residence. The second project is the construction of a two-stall garage of approximately 588 square feet.
6. Surrounding Land Use and Zoning: The subject site is located on the southwestern shores of Lake Mendota surrounded to the east and west by other single-family residences zoned R1 (Single-Family Residence District).

7. ~~Adopted Land Use Plan: The Comprehensive Plan recommends for low-density residential uses for this area.~~
8. Environmental Corridor Status: The site is not located within a mapped environmental corridor.
9. ~~Public Utilities & Services: This 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) and the waterfront development standards of Section 28.04 (19).

ANALYSIS, EVALUATION AND CONCLUSION

The applicant requests approval of two projects on a waterfront lot at 5438 Lake Mendota Drive. The first project is the construction of an addition to the main residence, proposed to add approximately 600 square feet to the structure. The second project is the construction of a two-stall garage of approximately 588 square feet. Both requests are subject to the conditional use standards of Section 28.12 (11) and the waterfront development standards of Section 28.04 (19).

The subject property is a rectangular 16,533 square foot lot with approximately 66 feet of street and lake frontage. There are currently four buildings on the subject property including the subject residence, a smaller secondary residence, a boathouse, and an additional shed. Although the number of residences does not comply with current zoning standards, this is an existing condition which is considered legal and non-conforming.

The subject residence is currently classified as a two-story colonial-style home of approximately 1,600 square feet. The residence has a gambrel-style roof with dormer windows on its east and west sides. City records indicate the home was built in 1938 and has three bedrooms and one full bath. Although there are multiple accessory buildings on the property, the applicant notes that there is not a garage.

The applicant has calculated the lake setback for the subject residence is 114 feet. Upon review, the Zoning Administrator has confirmed that this meets applicable waterfront setback standards. This setback would not change with the proposed addition, however, additional building mass will be built up to this line. The home is located among a line of other single-family residences located on the southwestern shores of Lake Mendota.

The applicant has not provided the actual lake setbacks for adjoining properties, but a staff review of existing aerial photos indicates that the lake setbacks are generally consistent for neighboring properties. City records indicate the home to the east was constructed in 2004 and is two stories in height. The applicant has provided photos of this building in relationship to the subject property. At its closest point, this home is approximately 25 feet from the subject

residence. Much of this home is set slightly closer to the lake, but the corner nearest to the subject residence appears to have a similar setback and photos submitted by the applicant show several windows providing rear and side lake views from this corner of the home. The home to the west is a one-story ranch-style home. This home sits nearly 40 feet from the subject residence and has roughly the same lake setback.

The proposed home addition is largely a second-story addition, however, an expansion is also planned for a portion of the first floor. The first floor would be expanded towards the lake, in an area now used as a deck. The rebuilt second floor will cover the entire first floor, including the new expanded area. The applicant estimates that the addition will add 600 square feet to the existing 1,600 square foot home.

The proposed addition will provide several changes to the appearance of the residence. The applicant has provided hand-drawn elevations depicting the changes. Upon completion, the residence will have a taller profile, as the addition will make the residence two full stories along the entire perimeter of the home. The applicant proposes to replace the existing gambrel-style roof with a 9/12 pitched gabled roof, designed in part to enhance the roof's potential to capture solar energy. The proposed southeast elevation includes a reference to "optional solar shingles" as a potential roofing material. Staff recommend that the roofing material(s) be confirmed prior to plan sign-off.

Changes to the proposed front facade include a possible projection for an elevator and reconfiguration of the second story windows. The addition will add new first and second story mass to the lakeside of the home, where currently only a first-floor projection exists. This facade will include a first floor picture window and patio doors with a relatively symmetrical pattern of second floor windows. An attic window will be located above the second floor. The new side elevations show a taller structure, providing an extra story of height. The applicant has not finalized the selection of materials. Plans indicate that brick will remain on the first floor with the second floor to be clad in EIFS or cement-fiber siding. Staff recommend that the applicant confirm the actual siding materials prior to final agency sign off.

The applicant has provided a detailed floor plan depicting the changes to the second floor. This floor will retain two bedrooms, but these will be expanded in size per the attached drawings. A master bathroom will be added on the new floor. Additionally, closet space will be expanded to allow for a laundry room on this floor. The new second-story open space created with the addition will be used as an office, workout space, or television room. Drawings depicting changes to the first floor were not submitted.

The applicant's second request is for approval of a two-stall garage. The "front-loaded" garage would be sited in the front yard, as shown on the attached site plan. The structure measures 21 by 28 feet with a total area of 588 square feet. Elevation drawings indicate that the street-facing facade would include two separate garage doors and a gabled roof. The applicant further indicates that like the house, the garage roof will be designed to maximize its potential to capture solar energy. The garage would be 12.75 feet in height, including attic space located above the main floor. A new 21 foot-wide driveway would be added to the site to provide access to the

garage. Building materials would be similar to what is proposed for the home, however, the applicant has not confirmed the exact materials that would be used.

The Planning Division believes that the proposed home is consistent with the R1 zoning on the property and with the Comprehensive Plan's recommendation for low-density residential land use. The City recently adopted the Spring Harbor Neighborhood Plan to guide redevelopment activities in the Spring Harbor neighborhood, including the subject site. While the plan does not contain specific recommendations for lakefront residential areas, it does encourage that new/redeveloped homes be of a height and scale that is relative to the neighborhood and is sensitive to its natural character. Many new buildings have been approved with a variety of building sizes and architectural styles reflected and staff believe that the proposed building addition would not make this building out of character with the neighborhood. Additionally, the applicant has included an inventory of on-site vegetation and indicates no trees would be damaged or removed to facilitate construction of the addition.

The Planning Division believes that the conditional use and waterfront development standards could be met with the applicant's request for the proposed addition and new garage.

RECOMMENDATION

The Planning Division recommends that the Plan Commission find that the project meets all applicable waterfront and conditional use standards and **approve** the proposed request for a home addition and new detached garage on a water front lot, subject to input at the public hearing and the following conditions:

1. Comments from reviewing agencies.
2. That the applicant specifies and that Planning Division staff approve the roofing and primary exterior materials for the both the home and accessory garage. As noted in this report, several materials are not yet specified. This information can be included in the plans submitted for final sign-off. In the alternative, the Plan Commission could specify materials to be used; in which case, the applicant would work with staff to implement this recommendation.

Firchow, Kevin

Subject: FW: 5438 Lake Mendota Dr Engineering Comments Typo

DATE: November 6, 2007
TO: Plan Commission
FROM: Larry D. Nelson, P.E., City Engineer

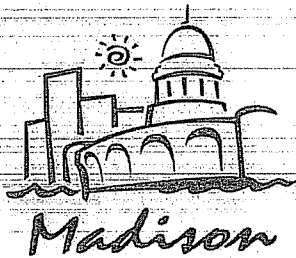
SUBJECT: 5438 Lake Mendota Drive Conditional Use

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. There are two existing dwelling units on this property. City of Madison Ordinances require each dwelling unit to have a separate address. The existing primary residence shall use ~~5348~~ 5438 for a house number and the rental unit shall use 5440.
2. Driveway width where it intersects the right-of-way shall be constructed or reconstructed to comply with widths allowed in Section 10.08 of the Madison General Ordinances.
3. Revise site plan to show existing sanitary sewer service. Provide documentation of sewer ownership and maintenance agreements.

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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. Dalley, 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

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3. Revise site plan to show existing sanitary sewer service. Provide documentation of sewer ownership and maintenance agreements.

GENERAL OR STANDARD REVIEW COMMENTS

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

Engineering Division Review of Planned Community Developments, Planned Unit Developments and Conditional Use Applications.

Name: 5438 Lake Mendota Drive Conditional Use

General

- 1.1 The construction of this building will require removal and replacement of sidewalk, curb and gutter and possibly other parts of the City's infrastructure. The applicant shall enter into a City / Developer agreement for the improvements required for this development. The applicant shall be required to provide deposits to cover City labor and materials and surety to cover the cost of construction. The applicant shall meet with the City Engineer to schedule the development of the plans and the agreement. The City Engineer will not sign off on this project without the agreement executed by the developer. The developer shall sign the Developer's Acknowledgement prior to the City Engineer signing off on this project.
- 1.2 The site plan shall identify lot and block numbers of recorded Certified Survey Map or Plat.
- 1.3 The site plan shall include all lot/ownership lines, existing building locations, proposed building additions, demolitions, parking stalls, driveways, sidewalks (public and/or private), existing and proposed signage, existing and proposed utility locations and landscaping.
- 1.4 The site plan shall identify the difference between existing and proposed impervious areas.

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- 1.5 The site plan shall reflect a proper street address of the property as reflected by official City of Madison Assessor's and Engineering Division records.
- 1.6 Coordinate all necessary new interior addresses associated with this proposed development with City Engineering Program Specialist Lori Zenchenko zenchenko@cityofmadison.com or (608) 266-5952
- 1.7 The site plan shall include a full and complete legal description of the site or property being subjected to this application.
- 1.8 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 _____ foot wide strip of Right of Way along _____.
- 2.3 The Applicant shall Dedicate a Permanent Limited Easement for grading and sloping _____ feet wide along _____.
- 2.4 The City Engineer has reviewed the need for pedestrian and bicycle connections through the development and finds that no connections are required.
- 2.5 The Applicant shall Dedicate a Permanent Limited Easement for a pedestrian / bicycle easement _____ feet wide from _____ to _____.
- 2.6 The Developer shall provide a private easement for public pedestrian and bicycle use through the property running from _____ to _____.
- 2.7 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.
- 2.8 The 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

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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.

2.9 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 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.

2.10 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.

2.11 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 Applicant shall execute a waiver of notice and hearing on the assessments for the improvement of [roadway] _____ in accordance with Section 66.0703(7)(b) Wisconsin Statutes and Section 4.09 of the MGO.

3.2 **Value of sidewalk installation over \$5000.** The Applicant shall Construct Sidewalk to a plan approved by the City Engineer along _____.

3.3 **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

- 3.4 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.
- 3.5 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>.
- 3.6 The Applicant shall close all abandoned driveways by replacing the curb in front of the driveways and restoring the terrace with grass.
- 3.7 **Value of the restoration work less than \$5,000. When computing the value, do not include a cost for driveways. Do not include the restoration required to facilitate a utility lateral installation.** The Applicant's project requires the minor restoration of the street and sidewalk. The Applicant shall obtain a Street Excavation Permit for the street restoration work, which is available from the City Engineering Division. The applicant shall pay all fees associated with the permit including inspection fees. This permit application is available on line at <http://www.cityofmadison.com/engineering/permits.cfm>.
- 3.8 The Applicant shall make improvements to _____ in order to facilitate ingress and egress to the development. The improvement shall include a (Describe what the work involves or strike this part of the comment.) _____
- 3.9 The Applicant shall make improvements to _____. The improvements shall consist of _____
- 3.10 The approval of this Conditional Use does not include the approval of the changes to roadways, sidewalks or utilities. The applicant shall obtain separate approval by the Board of Public Works and the Common Council for the restoration of the public right of way including any changes requested by developer. The City Engineer shall complete the final plans for the restoration with input from the developer. The curb location, grades, tree locations, tree species, lighting modifications and other items required to facilitate the development or restore the right of way shall be reviewed by the City Engineer, City Traffic Engineer, and City Forester.
- 3.11 The Applicant shall provide the City Engineer with a survey indicating the grade of the existing sidewalk and street. The Applicant shall hire a Professional Engineer to set the grade of the building entrances adjacent to the public right of way. The Applicant shall provide the City Engineer the proposed grade of the building entrances. The City Engineer shall approve the grade of the entrances prior to signing off on this development.
- 3.12 The Applicant shall replace all sidewalk and curb and gutter which abuts the property which is damaged by the construction or any sidewalk and curb and gutter which the City Engineer determines needs to be replaced because it is not at a desirable grade regardless of whether the condition existed prior to beginning construction.
- 3.13 The Applicant shall obtain a privilege in streets agreement for any encroachments inside the public right of way. The approval of this development does not constitute or guarantee approval of the encroachments.
- 3.14 The Applicant shall provide the City Engineer with the proposed soil retention system to accommodate the restoration. The soil retention system must be stamped by a Professional Engineer. The City Engineer may reject or require modifications to the retention system.
- 3.15 The Applicant shall complete work on exposed aggregate sidewalk in accordance with specifications provided by the city. The stone used for the exposed aggregate shall be approved by the City. The Construction Engineer shall be notified prior to beginning construction. Any work that does not match the adjacent work or which the City Construction Engineer finds is unacceptable shall be removed and replaced.
- 3.16 All work in the public right-of-way shall be performed by a City licensed contractor.
- 3.17 Installation of "Private" street signage in accordance with 10.34 MGO is required.

Storm Water Management

- 4.1 The site plans shall be revised to show the location of all rain gutter down spout discharges.
- 4.2 Storm sewer to serve this development has been designed and constructed. The site plans shall be revised to identify the location of this storm sewer and to show connection of an internal drainage system to the existing public storm sewer.
- 4.3 The plan set shall be revised to show a proposed private internal drainage system on the site. This information shall include the depths and locations of structures and the type of pipe to be used.
- 4.4 The applicant shall show storm water "overflow" paths that will safely route runoff when the storm sewer is at capacity.

- 4.5 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.
- 4.6 The City of Madison is an approved agent of the Department of Commerce. This proposal contains a commercial building and as such, the City of Madison is authorized to review infiltration, stormwater management, and erosion control on behalf of the Department of Commerce. No separate submittal to Commerce or the WDNR is required.
- 4.7 This development includes multiple building permits within a single lot. The City Engineer and/or the Director of the Inspection Unit may require individual control plans and measures for each building.
- 4.8 If the lots within this site plan are inter-dependent upon one another for stormwater 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 site plan and recorded at the Dane Co Register of Deeds.
- 4.9 ~~Prior to approval, this project 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) off of new paved surfaces
 - Control 80% TSS (5 micron particle) of of new paved surfaces
 - Provide infiltration in accordance with Chapter 37 of the Madison General Ordinances
 - Provide substantial thermal control.
 - Provide oil & grease control from the first 1/2" of runoff from parking areas.
 - Complete an erosion control plan and complete weekly self-inspection of the erosion control practices and post these inspections to the City of Madison website – as required by Chapter 37 of the Madison General Ordinances.

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

- 4.10 The plan set shall be revised to show more information on proposed drainage for the site. This shall be accomplished by using spot elevations and drainage arrows or through the use of proposed contours. It is necessary to show the location of drainage leaving the site to the public right-of-way. It may be necessary to provide information off the site to fully meet this requirement.
- 4.11 A portion of this project comes under the jurisdiction of the US Army Corp of Engineers and WDNR for wetland or flood plain issues. A permit for those matters shall be required prior to construction on any of the lots currently within the jurisdictional flood plain.
- 4.12 The Applicant shall submit, prior to plan sign-off, a digital CAD file (single file) to the Engineering Program Specialist in the Engineering Division (Lori Zenchenko). The digital CAD file shall be to scale and represent final construction. The single CAD file submittal can be either AutoCAD (dwg) Version 2001 or older, MicroStation (dgn) Version J or older, or Universal (dxf) format and contain the following data, each on a separate layer name/level number:
- a) Building Footprints
 - b) Internal Walkway Areas
 - c) Internal Site Parking Areas
 - d) Other Miscellaneous Impervious Areas (i.e. gravel, crushed stone, bituminous/asphalt, concrete, etc.)
 - e) Right-of-Way lines (public and private)
 - f) Lot lines
 - g) Lot numbers
 - h) Lot/Plat dimensions
 - i) Street names

NOTE: Email file transmissions preferred lzenchenko@cityofmadison.com . Include the site address in this transmittal.

- 4.13 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.

- 4.14 The applicant shall submit, prior to plan sign-off, digital PDF files to the Engineering Division (Jeff Benedict or Tim Troester). The digital copies shall be to scale, and shall have a scale bar on the plan set.
- PDF submittals shall contain the following information:
- a) Building footprints.
 - b) Internal walkway areas.
 - c) Internal site parking areas.
 - d) Lot lines and right-of-way lines.
 - e) Street names.
 - f) Stormwater Management Facilities.
 - g) Detail drawings associated with Stormwater Management Facilities (including if applicable planting plans).
- 4.15 The Applicant shall submit prior to plan sign-off, electronic copies of any Stormwater Management Files including:
- a) SLAMM-DAT files.
 - b) RECARGA files.
 - c) TR-55/HYDROCAD/Etc...
 - d) Sediment loading calculations

If calculations are done by hand or are not available electronically the hand copies or printed output shall be scanned to a PDF file and provided.

- 4.16 The area adjacent to this proposed development has a known flooding risk. All entrances shall be 2-feet above the adjacent sidewalk elevation or 1-foot above the 100-year regional flood elevation (whichever is greater). This includes garage entrances.

Utilities General

- 5.1 The Applicant shall obtain a Street Excavation permit for the installation of utilities required to serve this project. The Applicant shall pay the permit fee, inspection fee and street degradation fee as applicable and shall comply with all the conditions of the permit. This permit application is available on line at <http://www.cityofmadison.com/engineering/permits.cfm>.
- 5.2 The applicant shall obtain all necessary sewer connection permits and sewer plugging permits prior to any utility work. This permit application is available on line at <http://www.cityofmadison.com/engineering/permits.cfm>.
- 5.3 All proposed and existing utilities including gas, electric, phone, steam, chilled water, etc shall be shown on the plan.
- 5.4 The applicant's utility contractor shall obtain a connection permit and excavation permit prior to commencing the storm sewer construction. This permit application is available on line at <http://www.cityofmadison.com/engineering/permits.cfm>.
- 5.5 The site plans shall be revised to show the location of existing utilities, including depth, type, and size in the adjacent right-of-way.
- 5.6 The developer shall provide information on how the Department of Commerce's requirements regarding treatment of storm water runoff, from parking structures, shall satisfied prior to discharge to the public sewer system. Additionally, information shall be provided on which system (storm or sanitary) the pipe shall be connected to.

Sanitary Sewer

- 6.1 Prior to approval of the conditional use application, the owner shall obtain a permit to plug each existing sanitary sewer lateral that serves a building that is proposed for demolition. For each lateral to be plugged the owner shall deposit \$1,000 with the City Engineer in two separate checks in the following amounts: (1). \$100 non-refundable deposit for the cost of inspection of the plugging by City staff; and (2). \$900 for the cost of City crews to perform the plugging. If the owner elects to complete the plugging of a lateral by private contractor and the plugging is inspected and approved by the City Engineer, the \$900 fee shall be refunded to the owner. This permit application is available on line at <http://www.cityofmadison.com/engineering/permits.cfm>.
- 6.2 All outstanding Madison Metropolitan Sewerage District (MMSD) and City of Madison sanitary sewer connection charges are due and payable prior 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.
- 6.3 Each unit of a duplex building shall be served by a separate and independent sanitary sewer lateral.
- 6.4 The site plan shall be revised to show all existing public sanitary sewer facilities in the project area as well as the size, invert elevation, and alignment of the proposed service.



City 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

November 8, 2007

TO: Plan Commission

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

SUBJECT: **5438 Lake Mendota Drive – Conditional Use – Second Floor Addition to Existing Lake Front Residence**

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 Houswerth
Fax: 608-764-1410
Email: mhouswerth@yahoo.com

DCD: DJM: dm



CITY OF MADISON FIRE DEPARTMENT

Fire Prevention Division

325 W. Johnson St., Madison, WI 53703-2295

Phone: 608-266-4484 ♦ FAX: 608-267-1153

DATE: November 9, 2007
TO: Plan Commission
FROM: Edwin J. Ruckriegel, Fire Marshal
SUBJECT: 5438 Lake Mendota Drive

The City of Madison Fire Department (MFD) 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.)

none

GENERAL OR STANDARD REVIEW COMMENTS

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

1. As required by MGO 10.34 and IFC 505.1, all residential and commercial buildings must have the approved address posted. The address numbers shall be 4 inches in height, numbers shall be in contrast to the background and visible from the street.

Please contact Scott Strassburg, New Construction Inspector at 608-261-9843 if you have questions regarding the above items.

cc: Bill Sullivan

November 13, 2007

Kevin Firchow
Department of Planning & Community & Economic Development
210 Martin Luther King Jr. Blvd.
Madison WI 53701-2985

Re: Conditional Use Application for 5438 Lake Mendota Drive

Mike and Jeanette Tierney have discussed their proposal to build a second story addition, a detached garage, and repair the boathouse foundation to their property at 5438 Lake Mendota Drive. We have no objections to this proposal.

Please provide this information to the Plan Commission for the meeting on November 19, 2007.

Sincerely,

Muhel Schumel
Jane Puyler
(5446 Lake Mendota Drive)

November 13, 2007

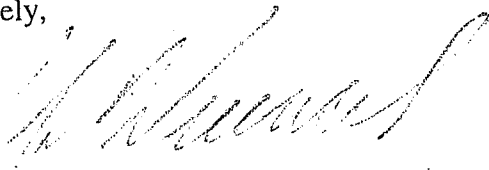
Kevin Firchow
Department of Planning & Community & Economic Development
210 Martin Luther King Jr. Blvd.
Madison WI 53701-2985

Re: Conditional Use Application for 5438 Lake Mendota Drive

Mike and Jeanette Tierney have discussed their proposal to build a second story addition, a detached garage, and repair the boathouse foundation to their property at 5438 Lake Mendota Drive. We have no objections to this proposal.

Please provide this information to the Plan Commission for the meeting on November 19, 2007.

Sincerely,



JOHN WIENCEK
5438 L. MENDOTA DR
MADISON, WI 53705

November 13, 2007

Kevin Firchow
Department of Planning & Community & Economic Development
210 Martin Luther King Jr. Blvd.
Madison WI 53701-2985

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Please provide this information to the Plan Commission for the meeting on November 19, 2007.

Sincerely,

Mary Ted Balistreri
5442 Lake Mendota Dr