

Permit Application No.: 15-332

Rules: Erosion Control
& Stormwater Management

Applicant: Edina Community Lutheran Church

Project: Edina Community Lutheran Church Expansion

Location: 4113 West 54th Street, Edina

Received: 7-02-15

Complete: 7-31-15

Noticed: 7-31-15

Recommendation:

Approval with conditions:

- Submission of a draft Declaration for maintenance of Stormwater Facilities for approval, then recordation;
- Submission of a Financial Assurance in the amount of \$1,759.00; and
- Reimbursement of Fees

Background:

Edina Community Lutheran Church has applied for a Minnehaha Creek Watershed District permit for Erosion Control and Stormwater Management for the proposed the expansion of the south and northeast portions of the church located at 4113 West 54th Street in the City of Edina. The proposed project will result in a 2,831 square foot increase in impervious surface on the 4.15 acres site, which ultimately drains to Minnehaha Creek.

A 1992 delineation performed by Acorn Environmental identified wetlands near the streambank of Minnehaha Creek. However, a subsequent delineation performed in 2013 by Kjolhaug Environmental Service found no wetlands meeting the three criteria of hydrophytic vegetation, hydric soils, and wetland hydrology (Attachment 3). This finding has been verified by an on-site field review by Wenck Associates in 2013 (Attachment 4) and a supplemental review via the United States Army Corps of Engineers (USACE) in 2015 (Attachment 5).

Erosion Control:

The District's Erosion Control rule is applicable for any project exceeding 5,000 square feet of soil disturbance or 50 cubic yards of excavation. The proposed project involves approximately 0.93 acres of disturbance within the City of Edina, the rule is triggered. The erosion and sediment control practices proposed for the project meet District standards. Erosion and sediment control best management practices (BMPs) provided include: silt fence, bio-logs, rock construction entrances, concrete washout locations, inlet protection, seeding, sodding, and vegetation protection, where applicable. The proposed erosion control plan meets the District's rule.

Stormwater Management:

The District exercises regulatory authority for stormwater management in the City of Edina.

The District's Stormwater Management rule is applicable for any project proposing new or replacing existing impervious surface. The proposed project involves the installation of 0.065 acres (2,831 square feet) of new impervious surface, the rule is triggered (Table 1). Because the proposed project is redevelopment that increases imperviousness of a site larger than one acre, but which disturbs less than 40 percent of the site and increase imperviousness by less than 50 percent, the District's stormwater criteria apply only to the increased impervious area.

The proposed project will construct a new underground infiltration system that will discharge stormwater through existing outfalls on the southern edge of the property, situated at the top of the bluff. The infiltration system is designed to provide phosphorus, rate, and volume control by abstracting the first 3,831 cubic-feet of runoff. Based on the project's proposed increase of 0.065 acres of new impervious surface, the applicant is required to provide 237 cubic feet of abstraction, and has therefore satisfied the volume and phosphorus control rules. Additionally, the proposed underground basin will reduce runoff below the existing rates for the 1-, 10-, and 100-year, Atlas-14 rain events (Table 2). The provided stormwater design complies with MCWD stormwater requirements.

The table below summarizes the impervious surface increase on-site:

| Size of Site (ac) | Site Drains To | Existing Impervious (ac) | Proposed Impervious (ac) |
|--------------------------|-----------------|--------------------------|--------------------------|
| 4.15 (1.26 disturbed) | Minnehaha Creek | 0.662 | 0.727 |

Table 1: Increase in Impervious Surface

The table below summarizes the pre- and post-construction runoff rates for the site:

| Drainage Area | 1-year event | | 10-year event | | 100-year event | |
|---------------|--------------|-------|---------------|-------|----------------|-------|
| | Pre- | Post- | Pre- | Post- | Pre- | Post- |
| Total | 3.45 | 2.23 | 7.99 | 5.71 | 13.08 | 11.70 |

Table 2: Runoff Rates

The proposed peak runoff rates meet the District's rate-control requirements. The proposed stormwater management system meets the MCWD Stormwater Management rules.

Wetland Protection:

The District's Wetland Protection rule is applicable for any project proposing draining, filling, or excavating within a wetland. A delineation performed by Acorn Environmental in 1992 identified wetlands on the property. As wetland delineations expire after five years, a subsequent delineation was performed in 2013 by Kjolhaug Environmental Services finding no wetlands meeting the three criteria of hydrophytic vegetation, hydrology, and hydric soils. This delineation report has been verified by Wenck Associates in 2013, and the Army Corps of Engineers (USACE) in 2015, therefore, no wetlands are on the property and the Wetland Protection rule is not applicable.

Summary:

Edina Community Lutheran Church is proposing an expansion project that will trigger the District's Erosion Control and Stormwater Management rules. The project as proposed meets all District rules. Staff is recommending approval of this application with the conditions outlined in this report.

Attachments:

1. Permit Application
2. Site Plan
3. Memorandum dated July 22, 2013 – Kjolhaug Environmental Services
4. No Wetland Determination Memorandum dated August 20, 2013 – Wenck Associates
5. Email dated July 16, 2015 – Melissa Jenny (USACE)



15-332

WATER RESOURCE PERMIT APPLICATION FORM

Use this form to notify/apply to the Minnehaha Creek Watershed District (MCWD) of a proposed project or work which may fall within their jurisdiction. Fill out this form completely and submit with your site plan, maps, etc. to the MCWD at:

15320 Minnetonka Blvd. Minnetonka, MN 55345.

Keep a copy for your records.

YOU MUST OBTAIN ALL REQUIRED AUTHORIZATIONS BEFORE BEGINNING WORK.

1. Name of each property owner: Edina Lutheran Community Church

Mailing Address: 4113 West 54th Street City: Edina State: MN Zip: 55424

Email Address: kelauser@ecdc.org Phone: 952-926-3808 Fax:

2. Property Owner Representative Information (not required) (Licensed contractor, architect, engineer, etc...)

Business Name: Pierce Pini & Associates Representative Name: Rhonda Pierce

Business Address: 9298 Central Ave NE City: Blaine State: MN Zip: 55434

Email Address: rhonda@piercepini.com Phone: 763-537-1311 Fax: 763-537-1354

3. Project Address: 4113 West 54th Street City: Edina

State: MN Zip: 55424 Qtr Section(s): NE Section(s): 19 Township(s): 28 Range(s): 24

Lot: Block: Subdivision: PJD: 1902824110010

4. Size of project parcel (square feet or acres): 4.15 ac

Area of disturbance (square feet): 40511 sf Volume of excavation/fill (cubic yards): TBD

Area of existing impervious surface: 28750 sf Area of proposed impervious surface: 42689 sf

Length of shoreline affected (feet): 0 ft Waterbody (& bay if applicable): Minnehaha Creek

5. Type of permit being applied for (Check all that apply):

- EROSION CONTROL WATERBODY CROSSINGS/STRUCTURES
- FLOODPLAIN ALTERATION STORMWATER MANAGEMENT
- WETLAND PROTECTION APPROPRIATIONS
- DREDGING ILLICIT DISCHARGE
- SHORELINE/STREAMBANK STABILIZATION

6. Project purpose (Check all that apply):

- SINGLE FAMILY HOME MULTI FAMILY RESIDENTIAL (apartments)
- ROAD CONSTRUCTION COMMERCIAL or INSTITUTIONAL
- UTILITIES SUBDIVISIONS (include number of lots)
- DREDGING LANDSCAPING (pools, berms, etc.)
- SHORELINE/STREAMBANK STABILIZATION OTHER (DESCRIBE):

7. NPDES/SDS General Stormwater Permit Number (if applicable): will submit when obtained

8. Waterbody receiving runoff from site: Minnehaha Creek

9. Project Timeline: Start Date: Completion Date:

Permits have been applied for: City County MN Pollution Control Agency DNR COE

Permits have been received: City County MN Pollution Control Agency DNR COE

By signing below, I hereby request a permit to authorize the activities described herein. I certify that I am familiar with MCWD Rules and that the proposed activity will be conducted in compliance with these Rules. I am familiar with the information contained in this application and, to the best of my knowledge and belief, all information is true, complete and accurate. I understand that proceeding with work before all required authorizations are obtained may be subject to federal, state and/or local administrative, civil and/or criminal penalties

Signature of Each Property Owner [Signature] Date 7/2/15



KJOLHAUG ENVIRONMENTAL SERVICES COMPANY
Providing Sound, Balanced, Comprehensive Natural Resource Solutions

Memorandum

Date: July 22, 2013

To: Wes Boll, Wenck Associates, Inc. (for Minnehaha Creek Watershed District)
Melissa Jenny, Army Corps of Engineers

CC: Ed Kodet, Kodet Architectural Group
Brent Peters, Egan, Field, & Nowak

From: Melissa Barrett, Kjolhaug Environmental Services Company

Re: Edina Community Lutheran Church, 4113 West 54th Street, Edina, MN
Site Assessment for Wetlands

The Edina Lutheran Community Church site was examined on June 5, 2013 for the presence and extent of wetland. The site was located in Section 19, Township 28N, Range 24W, City of Edina, Hennepin County, Minnesota and corresponds to Hennepin County PID 1902824110010. No wetlands were identified or delineated on the site.

The 4.15-acre site was located southeast of the intersection of West 54th Street and Minnehaha Boulevard (**Figure 1**). A church with paved parking to its south, and a single-family home with connected garage were located in the northeast portion of the site. At the edge of the parking area topography sloped steeply downhill to the south and west. The remainder of the site was comprised of the relatively flat, former floodplain of Minnehaha Creek, which currently comprises the west/south property line (**Figure 2**).

The following species were observed throughout the former floodplain area: green ash, cottonwood, boxelder, hackberry, silver maple, basswood, common buckthorn, mulberry, elderberry, honeysuckle, prickly ash, gooseberry, grape, Virginia creeper, creeping Charlie, Jack-in-the-pulpit, enchanter's nightshade, violet, motherwort, garlic mustard, day lily, reed canary grass, dandelion, and stickseed.

Review of Soils, NWI, and DNR Information

The *National Wetland Inventory Map (NWI)* (Minneapolis South Quadrangle, U.S. Fish & Wildlife Service, 1990) showed one PFO1C wetland within site boundaries (**Figure 3**).

The *Soil Survey of Hennepin County, Minnesota* (NRCS Web Soil Survey 2.0) (<http://soils.usda.gov/survey/geography/ssurgo/>) showed the following soil types within site boundaries (**Figure 4**).

Soil Survey Information

| SMU | Map Unit Name | Acres in AOI | Percent of AOI | Hydric Category |
|------|---|--------------|----------------|-----------------|
| L55B | Urban land-Malardi complex, 0 to 8 percent slopes | 0.3 | 5.40% | Non Hydric |
| L55C | Urban land-Malardi complex, 8 to 18 percent slopes | 1.5 | 31.50% | Non Hydric |
| U5A | Urban land-Udorthents, wet substratum, complex, 0 to 2 percent slopes, rarely flooded | 3.1 | 63.20% | Non Hydric |

The *DNR Protected Waters Map, Ramsey County* (<http://deli.dnr.state.mn.us/>) showed DNR Protected Waterway Minnehaha Creek along the west and south site boundaries (**Figure 5**).

Wetland Determinations and Delineations

Potential wetlands were evaluated in greater detail during field observations on June 5, 2013. At that time vegetation was actively growing and leaves on trees and shrubs were fully open. It was lightly raining and climatic conditions were considered to be wetter than normal based on available precipitation data (**Appendix A**).

Vegetation throughout the former floodplain was as mentioned previously. No areas dominated by a canopy and understory of hydrophytic vegetation, or with wetland hydrology were observed within the floodplain.

The top of bank of the creek was identified as the edge of shoreland. This edge was flagged with pink pin flags as shown on the attached survey (**Appendix B**). The edge of water flowing within the creek was one foot or more below the top of the bank for the entire length of the site. A sample point taken at the lowest observed topographic elevation adjacent to the ditch lacked a dominant hydrophytic plant community, hydric soils, and wetland hydrology (**Appendix C**).

Conclusion

No wetlands were delineated on the subject site. The edge of shoreland of Minnehaha Creek was delineated and surveyed. Because the creek is shoreland, shoreland setback rules should apply versus wetland buffer management class and associated wetland buffer widths.

Note: Site boundaries on this figure are approximate and do not constitute an official survey product.

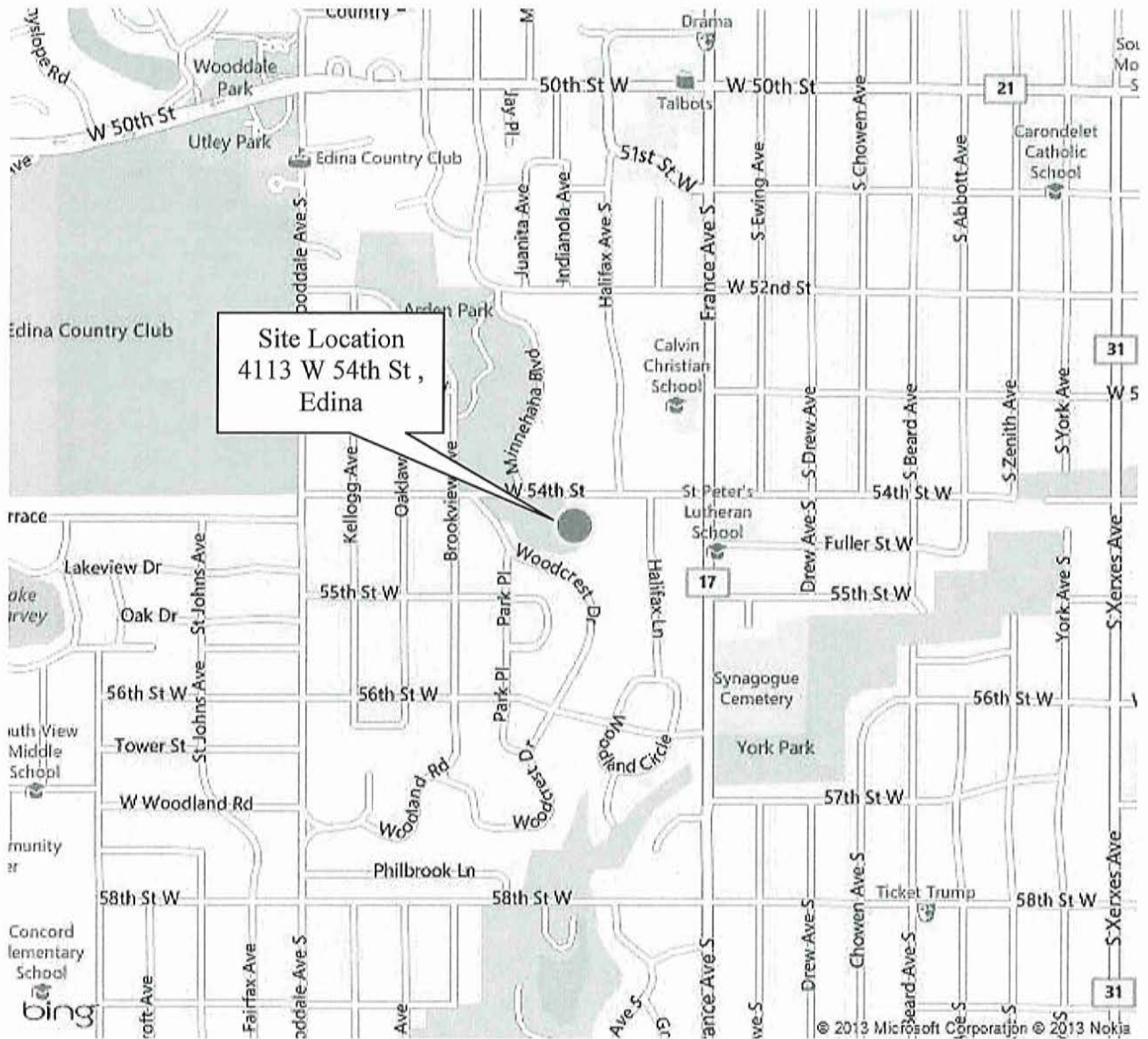


Figure 1 – Site Location Map

Edina Community Lutheran Church (KES No. 2013-042)
Edina, Minnesota



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No Scale

Note: Site boundaries on this figure are approximate and do not constitute an official survey product.



Figure 2 – 2012 Aerial Photograph

Edina Community Lutheran Church (KES No. 2013-042)
Edina, Minnesota



KJOLHAUG ENVIRONMENTAL SERVICES COMPANY



1 inch ~ 165 feet

Note: Site boundaries on this figure are approximate and do not constitute an official survey product.

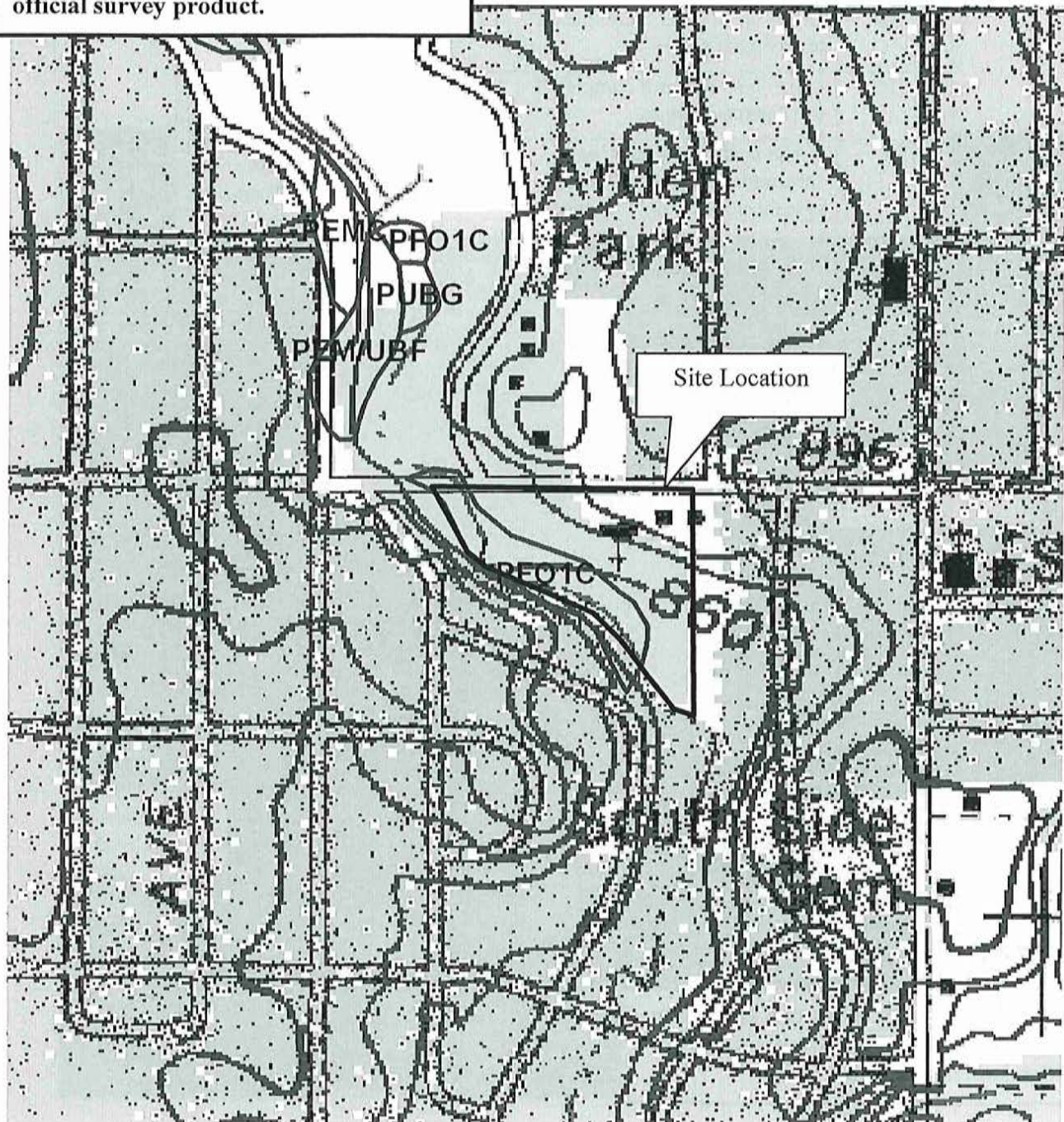


Figure 3 – NWI Map (USGS Minneapolis South Quadrangle)

Edina Community Lutheran Church (KES No. 2013-042)
Edina, Minnesota



KJOLHAUG ENVIRONMENTAL SERVICES COMPANY



1 inch ~ 300 feet

| SMU | Map Unit Name | Acres in AOI | Percent of AOI | Hydric Category |
|------|---|--------------|----------------|-----------------|
| L55B | Urban land-Malardi complex, 0 to 8 percent slopes | 0.3 | 5.40% | Non Hydric |
| L55C | Urban land-Malardi complex, 8 to 18 percent slopes | 1.5 | 31.50% | Non Hydric |
| U5A | Urban land-Udorthents, wet substratum, complex, 0 to 2 percent slopes, rarely flooded | 3.1 | 63.20% | Non Hydric |

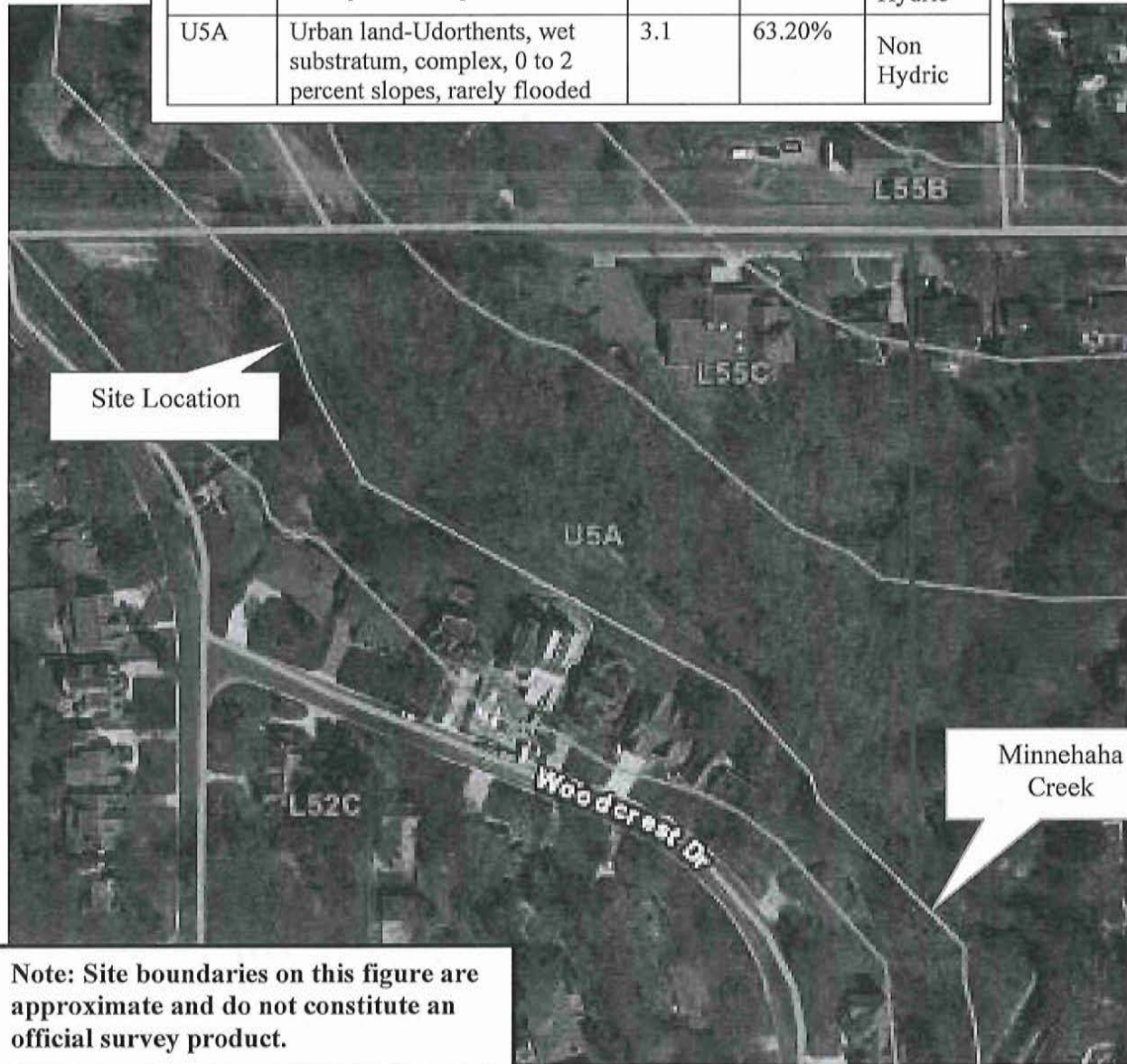



Figure 4 –Soil Survey Map



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Edina Community Lutheran Church (KES No. 2013-042)
Edina, Minnesota

↑N 1 inch ~ 155 feet

Note: Site boundaries on this figure are approximate and do not constitute an official survey product.

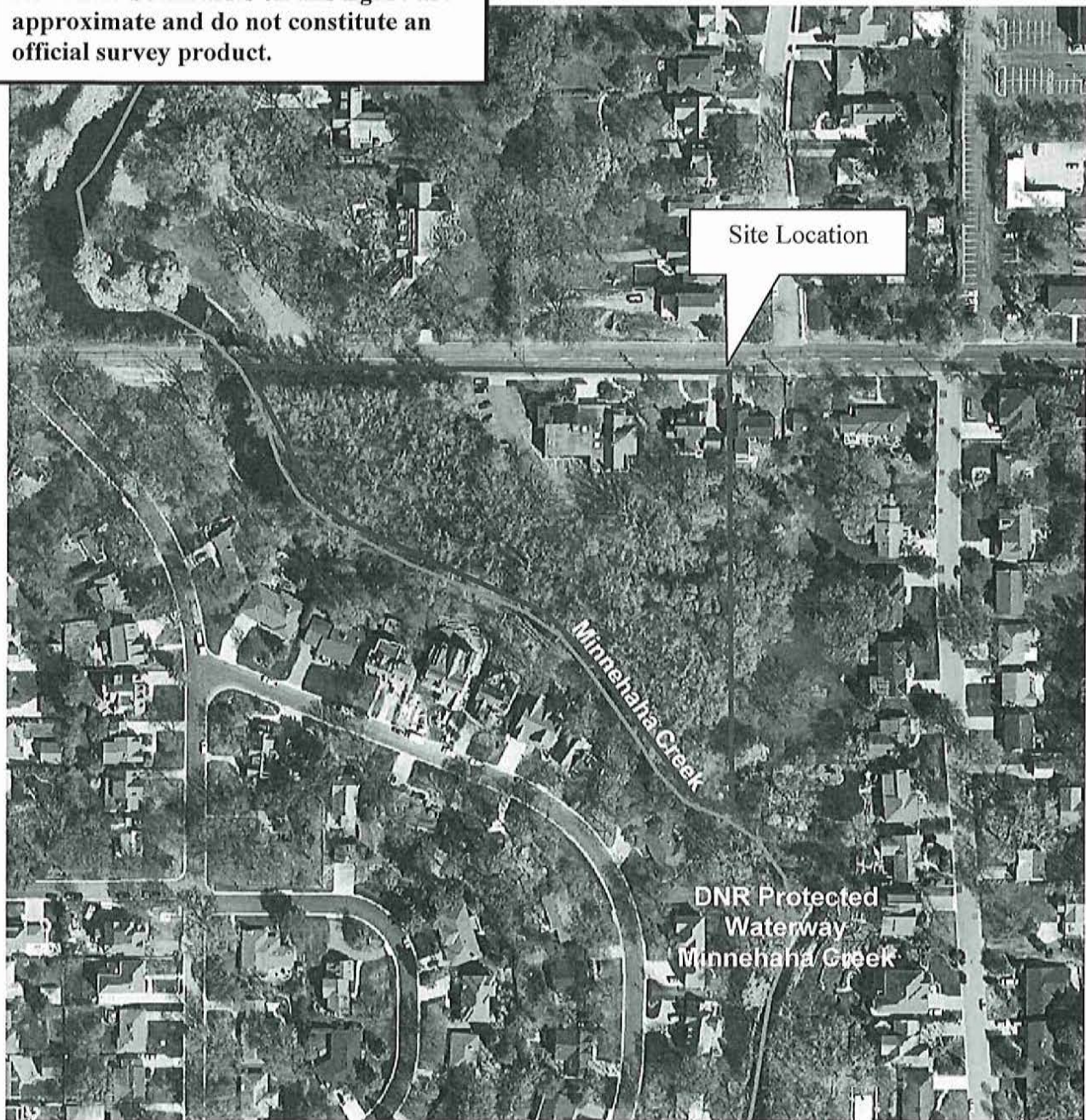


Figure 5 – DNR Protected Waters Map

Edina Community Lutheran Church (KES No. 2013-042)
Edina, Minnesota



KJOLHAUG ENVIRONMENTAL SERVICES COMPANY



1 inch ~ 165 feet

APPENDIX A

Edina Community Lutheran Church – Precipitation Summary

Edina community Lutheran Church: Precipitation Summary

Source: Minnesota Climatology Working Group

Monthly Totals: 2013

Target: T28 R24 S19, Lat: 44.89819 Lon: 93.33981
 mon year cc tttN rrw ss nnnn oooooooo pre
 Jan 2013 27 117N 21W 7 BYRG .68
 Feb 2013 27 117N 21W 7 BYRG 1.10
 Mar 2013 27 117N 21W 7 BYRG 2.06
 Apr 2013 27 117N 21W 7 BYRG 4.13
 May 2013 27 117N 21W 7 BYRG 5.05
 Jun 2013 27 117N 21W 7 BYRG 7.16

May/June/July Daily Records

| Date | Precip. | Date | Precip. | Date | Precip. |
|--------------|---------|--------------|----------------|--------------|---------|
| May 1, 2013 | .19 | Jun 1, 2013 | .02 | Jul 1, 2013 | 0 |
| May 2, 2013 | 0 | Jun 2, 2013 | 0 | Jul 2, 2013 | 0 |
| May 3, 2013 | .08 | Jun 3, 2013 | T | Jul 3, 2013 | 0 |
| May 4, 2013 | .03 | Jun 4, 2013 | .03 | Jul 4, 2013 | 0 |
| May 5, 2013 | 0 | Jun 5, 2013 | .16 site visit | Jul 5, 2013 | 0 |
| May 6, 2013 | 0 | Jun 6, 2013 | T | Jul 6, 2013 | T |
| May 7, 2013 | 0 | Jun 7, 2013 | 0 | Jul 7, 2013 | .03 |
| May 8, 2013 | .11 | Jun 8, 2013 | T | Jul 8, 2013 | 0 |
| May 9, 2013 | .04 | Jun 9, 2013 | .51 | Jul 9, 2013 | .34 |
| May 10, 2013 | 0 | Jun 10, 2013 | 0 | Jul 10, 2013 | 0 |
| May 11, 2013 | .06 | Jun 11, 2013 | T | Jul 11, 2013 | 0 |
| May 12, 2013 | 0 | Jun 12, 2013 | .72 | Jul 12, 2013 | 0 |
| May 13, 2013 | .01 | Jun 13, 2013 | 0 | Jul 13, 2013 | 2.79 |
| May 14, 2013 | T | Jun 14, 2013 | .06 | Jul 14, 2013 | 0 |
| May 15, 2013 | 0 | Jun 15, 2013 | 1.28 | Jul 15, 2013 | 0 |
| May 16, 2013 | 0 | Jun 16, 2013 | .03 | Jul 16, 2013 | 0 |
| May 17, 2013 | .29 | Jun 17, 2013 | 0 | | |
| May 18, 2013 | 1.28 | Jun 18, 2013 | 0 | | |
| May 19, 2013 | 1.04 | Jun 19, 2013 | 0 | | |
| May 20, 2013 | .05 | Jun 20, 2013 | 0 | | |
| May 21, 2013 | .34 | Jun 21, 2013 | 2.82 | | |
| May 22, 2013 | .09 | Jun 22, 2013 | .43 | | |
| May 23, 2013 | 0 | Jun 23, 2013 | .47 | | |
| May 24, 2013 | .25 | Jun 24, 2013 | .01 | | |
| May 25, 2013 | 0 | Jun 25, 2013 | 0 | | |
| May 26, 2013 | 0 | Jun 26, 2013 | .01 | | |
| May 27, 2013 | .02 | Jun 27, 2013 | 0 | | |
| May 28, 2013 | .04 | Jun 28, 2013 | .61 | | |
| May 29, 2013 | .05 | Jun 29, 2013 | 0 | | |
| May 30, 2013 | .70 | Jun 30, 2013 | 0 | | |
| May 31, 2013 | .38 | | | | |

1981-2010 Summary Statistics

| | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 30% | 0.56 | 0.46 | 1.44 | 2.17 | 2.63 | 3.24 | 2.66 | 3.31 | 2.23 | 1.26 | 1.03 | 0.78 |
| 70% | 1.12 | 1.02 | 2.24 | 2.95 | 4.41 | 5.50 | 4.76 | 5.29 | 4.31 | 3.57 | 2.11 | 1.43 |
| mean | 0.91 | 0.80 | 1.95 | 2.69 | 3.58 | 4.49 | 4.48 | 4.42 | 3.47 | 2.57 | 1.88 | 1.22 |

APPENDIX B

Edina Community Lutheran Church – Site Survey

APPENDIX C

Edina Community Lutheran Church – SP1 Data Sheet

WETLAND DETERMINATION DATA FORM - Midwest Region

Project/Site Edina Community Lutheran Church City/County: Edina/Hennepin Sampling Date: 6/5/13
 Applicant/Owner: Edina Community Lutheran Church State: MN Sampling Point: SP1
 Investigator(s): M. Barrett Section, Township, Range: 19, 28, 24
 Landform (hillslope, terrace, etc.): former floodplain/terrace Local relief (concave, convex, none): slight concave to flat
 Slope (%): 0-2 Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name Urban land-Udorthents NWI Classification: PFO1C

Are climatic/hydrologic conditions of the site typical for this time of the year? N (If no, explain in remarks)
 Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" present? Yes
 Are vegetation _____, soil _____, or hydrology _____ naturally problematic? Yes
 (If needed, explain any answers in remarks.)

SUMMARY OF FINDINGS

| | | |
|--|----------|---|
| Hydrophytic vegetation present? | <u>N</u> | Is the sampled area within a wetland? <u>N</u> If yes, optional wetland site ID: _____ |
| Hydric soil present? | <u>N</u> | |
| Indicators of wetland hydrology present? | <u>N</u> | |

Remarks: (Explain alternative procedures here or in a separate report.)
 Climatic conditions wetter than normal based on 30-day rolling precipitation average.

VEGETATION -- Use scientific names of plants.

| Tree Stratum (Plot size: <u>30</u>) | Absolute % Cover | Dominant Species | Indicator Status | Dominance Test Worksheet |
|---|------------------|------------------|------------------|---|
| 1 <u>Fraxinus pennsylvanica</u> | 40 | Y | FACW | |
| 2 <u>Acer negundo</u> | 10 | N | FAC | Total Number of Dominant Species Across all Strata: <u>7</u> (B) |
| 3 <u>Tilia americana</u> | 10 | N | FACU | Percent of Dominant Species that are OBL, FACW, or FAC: <u>42.86%</u> (A/B) |
| 4 _____ | | | | |
| 5 _____ | | | | |
| | 60 | = Total Cover | | |
| Sapling/Shrub stratum (Plot size: <u>15</u>) | Absolute % Cover | Dominant Species | Indicator Status | Prevalence Index Worksheet |
| 1 <u>Lonicera x bella</u> | 15 | Y | FACU | |
| 2 _____ | | | | OBL species <u>0</u> x 1 = <u>0</u> |
| 3 _____ | | | | FACW species <u>50</u> x 2 = <u>100</u> |
| 4 _____ | | | | FAC species <u>20</u> x 3 = <u>60</u> |
| 5 _____ | | | | FACU species <u>55</u> x 4 = <u>220</u> |
| | 15 | = Total Cover | | UPL species <u>0</u> x 5 = <u>0</u> |
| | | | | Column totals <u>125</u> (A) <u>380</u> (B) |
| | | | | Prevalence Index = B/A = <u>3.04</u> |
| Herb stratum (Plot size: <u>5</u>) | Absolute % Cover | Dominant Species | Indicator Status | Hydrophytic Vegetation Indicators: |
| 1 <u>Phalaris arundinacea</u> | 10 | Y | FACW | |
| 2 <u>Taraxacum officinale</u> | 10 | Y | FACU | _____ Dominance test is >50% |
| 3 <u>Alliaria petiolata</u> | 10 | Y | FAC | _____ Prevalence index is ≤3.0* |
| 4 <u>Circaea canadensis</u> | 10 | Y | FACU | _____ Morphological adaptations* (provide supporting data in Remarks or on a separate sheet) |
| 5 _____ | | | | _____ Problematic hydrophytic vegetation* (explain) |
| 6 _____ | | | | |
| 7 _____ | | | | |
| 8 _____ | | | | |
| 9 _____ | | | | |
| 10 _____ | | | | |
| | 40 | = Total Cover | | |
| Woody vine stratum (Plot size: <u>30</u>) | Absolute % Cover | Dominant Species | Indicator Status | *Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic |
| 1 <u>Parthenocissus quinquefolia</u> | 10 | Y | FACU | |
| 2 _____ | | | | |
| | 10 | = Total Cover | | |

Remarks: (Include photo numbers here or on a separate sheet)

SOIL

Sampling Point: SP1

| Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) | | | | | | | | |
|---|---------------|-----|----------------|---|-------|-------|------------|-------------------------|
| Depth (Inches) | Matrix | | Redox Features | | | | Texture | Remarks |
| | Color (moist) | % | Color (moist) | % | Type* | Loc** | | |
| 0-16 | 10YR 3/2 | 100 | | | | | loamy sand | |
| 16-24 | 10YR 4/3 | 95 | 10YR 4/6 | 5 | C | M | sand | coarse sand with gravel |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

*Type: C = Concentration, D = Depletion, RM = Reduced Matrix, MS = Masked Sand Grains. **Location: PL = Pore Lining, M = Matrix

| Hydric Soil Indicators: | Indicators for Problematic Hydric Soils: |
|---|--|
| <input type="checkbox"/> Histosol (A1) <input type="checkbox"/> Histic Epipedon (A2) <input type="checkbox"/> Black Histic (A3) <input type="checkbox"/> Hydrogen Sulfide (A4) <input type="checkbox"/> Stratified Layers (A5) <input type="checkbox"/> 2 cm Muck (A10) <input type="checkbox"/> Depleted Below Dark Surface (A11) <input type="checkbox"/> Thick Dark Surface (A12) <input type="checkbox"/> Sandy Mucky Mineral (S1) <input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) | <input type="checkbox"/> Sandy Gleyed Matrix (S4) <input type="checkbox"/> Sandy Redox (S5) <input type="checkbox"/> Stripped Matrix (S6) <input type="checkbox"/> Loamy Mucky Mineral (F1) <input type="checkbox"/> Loamy Gleyed Matrix (F2) <input type="checkbox"/> Depleted Matrix (F3) <input type="checkbox"/> Redox Dark Surface (F6) <input type="checkbox"/> Depleted Dark Surface (F7) <input type="checkbox"/> Redox Depressions (F8) |
| | <input type="checkbox"/> Coast Prairie Redox (A16) (LRR K, L, R) <input type="checkbox"/> Dark Surface (S7) (LRR K, L) <input type="checkbox"/> Iron-Manganese Masses (F12) (LRR K, L, R) <input type="checkbox"/> Very Shallow Dark Surface (TF12) <input type="checkbox"/> Other (explain in remarks) |
| <p>*Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic</p> | |

| | |
|--|-----------------------------------|
| Restrictive Layer (if observed): Type: _____ Depth (inches): _____ | Hydric soil present? <u> N </u> |
| Remarks: _____ _____ _____ | |

HYDROLOGY

| Wetland Hydrology Indicators: | | |
|--|---|--|
| Primary Indicators (minimum of one is required; check all that apply) | Secondary Indicators (minimum of two required) | |
| <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) <input type="checkbox"/> Water-Stained Leaves (B9) | <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> True Aquatic Plants (B14) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Gauge or Well Data (D9) <input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> FAC-Neutral Test (D5) |

| | |
|---|---|
| Field Observations: Surface water present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water table present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe) | Indicators of wetland hydrology present? <u> N </u> |
|---|---|

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: _____



Wenck Associates, Inc.
1800 Pioneer Creek Ctr.
P.O. Box 249
Maple Plain, MN 55359-0249

(763) 479-4200
Fax (763) 479-4242
E-mail: wenckmp@wenck.com

August 20, 2013

Melissa Barrett
Kjolhaug Environmental
26105 Wild Rose Lane
Shorewood, Minnesota 55331
Melissa@kjolhaugenv.com

Re: Minnehaha Creek Watershed District-Request for No-Wetland Determination
Project Name: Edina Community Lutheran Church
MCWD Permit #: 12-408

Ms. Barrett:

The Technical Memorandum summarizing a wetland investigation that you conducted on the Edina Community Lutheran Church property located in Section 19, Township 28N, Range 24W (PID 1902824110010) in the City of Edina was received on July 22, 2013.

The memo demonstrates that you evaluated areas of potential wetland within the site property on June 5, 2013. The results of your investigation indicate that, with the exception of Minnehaha Creek, none of the potential wetland areas were dominated by hydrophytic vegetation or exhibited indicators of wetland hydrology. The potential wetland areas were therefore determined to be non-wetland. The top bank of Minnehaha Creek was flagged to demonstrate the edge of the watercourse that would qualify as shoreland within the property boundary.

Wenck staff conducted a site visit on July 30, 2013 and confirmed that there were no areas exhibiting a dominance of hydrophytic vegetation, hydric soils, and wetland hydrology indicators on the site. The area directly adjacent to Minnehaha Creek was investigated and it was confirmed that the area at the lowest observed elevation adjacent to the stream channel lacked a dominant hydrophytic vegetation community and hydric soils and therefore is not a wetland under the jurisdiction of the Wetland Conservation Act.

The portion of Minnehaha Creek delineated within the property boundary is a MN DNR Public Water but is not considered a wetland. Therefore, MCWD wetland buffer rules would not apply.

If you have any questions please contact Wes Boll (763-479-4283) of Wenck Associates, Inc.

Sincerely,

Wes Boll
Wenck Associates, Inc.

Thomas Dietrich

From: Jenny, Melissa M MVP <Melissa.M.Jenny@usace.army.mil>
Sent: Thursday, July 16, 2015 8:06 AM
To: Elizabeth Brown; Meyer, Ben (BWSR); Stacey Lijewski (Stacey.Lijewski@co.hennepin.mn.us); Haworth, Brooke (DNR)
Cc: Katherine Sylvia; Thomas Dietrich
Subject: RE: Edina Community Lutheran Church (UNCLASSIFIED)

Follow Up Flag: Follow up
Flag Status: Flagged

Classification: UNCLASSIFIED
Caveats: NONE

Hi Beth,

I reviewed both documents and concur with the no wetland determination for this property.

Thank you, Melissa Jenny

U.S. Army Corps of Engineers
Regulatory Project Manager
Counties: Hennepin and Carver
(651) 290-5363

http://cp.mcafee.com/d/2DRPos920Orhop7nvhd7bwUTsSMUUODssUrosspjhphdleecFT7f6QrEIfcLc8TdPgBYUOIj1iIEgYDFfrh_OL00jqIEgYDFfrh_OL00joVCSzJvvW_ffzHTpWZOW9EVh7syeo79zASemKzp55mX2faxVZicHs3jq9J4TvHCzBMseohd7bbVKVI04GpmVKCS_JyGmVmh-3sGkBm5c1vAmPZDm9rwu7CRvfBiCYHMzY85wkTjrvSNlbsH8YSM-ehdwlqid40Qxa6Cy0iGGGT2kONEw2HsOvNS1Ew4yrsr4Ph0q83hg4Mo91kg61wd5MQq3zhirvhdOszCFUCj

-----Original Message-----

From: Elizabeth Brown [mailto:EBrown@minnehahacreek.org]
Sent: Wednesday, July 15, 2015 5:13 PM
To: Meyer, Ben (BWSR); Jenny, Melissa M MVP; Stacey Lijewski (Stacey.Lijewski@co.hennepin.mn.us); Haworth, Brooke (DNR)
Cc: Katherine Sylvia; Thomas Dietrich
Subject: [EXTERNAL] Edina Community Lutheran Church

Hi all,

MCWD is gearing up to present a permit application submitted by the Edina Community Lutheran Church to our Board of Managers during a public hearing. The church's property is located adjacent to Minnehaha Creek, and a few years ago Kjolhaug Environmental Services visited the site and determined that no wetlands were present on site. Wenck, representing MCWD, conducted a site visit and confirmed that no wetlands were present - even within the apparently former floodplain area - as there were no areas that met the three wetland parameters. Some hydrophytic vegetation was present but it was mixed in with upland vegetation, and neither hydric soils nor wetland hydrology were apparent.

MCWD anticipates some public comments/questions on this no-wetland assessment during the public hearing, though the proposed project is quite far & upslope from the creek. We are comfortable with the assessment but wanted to request TEP comments prior to our presentation.

Do you have any comments on the attached assessment?

Thank you!

Beth Brown

Permitting Technician

Minnehaha Creek Watershed District

ebrown@minnehahacreek.org

952-641-4504

MCWDlogo

Classification: UNCLASSIFIED

Caveats: NONE