CITY OF HAM LAKE

15544 Central Avenue NE Ham Lake, Minnesota 55304 (763) 434-9555 Fax (763) 434-9599

CITY OF HAM LAKE PLANNING COMMISSION AGENDA MONDAY, JUNE 10, 2024

CALL TO ORDER: 6:00 p.m.

PLEDGE OF ALLEGIANCE

APPROVAL OF MINUTES: May 13, 2024

PUBLIC HEARING:

6:01 p.m.

Jeff Stalberger, MN Developments LLC, requesting Preliminary Plat approval and rezoning from R-A (Rural Single Family Residential) to R-1 (Single Family Residential) of the plat Swedish Chapel Estates located at 2506 Swedish Drive NE (47 Single Family Residential lots and 3 outlots) in Section 4.

NEW BUSINESS:

1. None

COMMISSION BUSINESS:

1. City Council Update

CITY OF HAM LAKE PLANNING COMMISSION MINUTES MONDAY, MAY 13, 2024

The Ham Lake Planning Commission met for its regular meeting on Monday, May 13, 2024 in the Council Chambers at Ham Lake City Hall located at 15544 Central Avenue NE in Ham Lake, Minnesota.

MEMBERS PRESENT: Commissioners Brian Pogalz, Kyle Lejonvarn, Jeff

Entsminger, David Ross, Jonathan Fisher, Dave Ringler and

Erin Dixson

MEMBERS ABSENT: None

OTHERS PRESENT: City Engineer Dave Krugler and Building and Zoning Clerk

Jennifer Bohr

CALL TO ORDER: Chair Pogalz called the meeting to order at 6:00 p.m.

PLEDGE OF ALLEGIANCE:

The pledge of allegiance was recited by all in attendance.

APPROVAL OF MINUTES:

Motion by Ross, seconded by Lejonvarn, to approve the minutes of the April 8, 2024 Planning Commission meeting as written. All in favor, motion carried.

NEW BUSINESS:

Art Rosenberg of Lincoln Street Commercial, LLC, requesting Sketch Plan approval for a commercial development (four lots and one outlot) in Section 29

Mr. Art Rosenberg and Mr. Paul Boerboom from Lincoln Street Commercial, LLC, and Mr. Matt Davich from E.G. Rud and Sons, Inc. were present. Mr. Rosenberg spoke on behalf of the project. Mr. Rosenberg stated this project has been a work in progress for a couple of years. Mr. Rosenberg stated there are potential buyers for some of the lots so they have decided to take the next step and move forward with the platting process. Chair Pogalz asked Engineer Krugler to comment. Engineer Krugler stated the plat is a four-lot subdivision with one outlot. Engineer Krugler stated the property is currently zoned CD-1 (Commercial Development I) and CD-2 (Commercial Development II); future zoning is proposed to be CD-1, CD-2 and R-A (Rural Residential Single Family). Engineer Krugler stated Johnson Street NE, as shown on the plan, meets the separation requirement of 300 feet from Highway 65 NE. Engineer Krugler stated the plan realigns Lincoln Street NE from what was proposed on the Entsminger Farms plat; the future backage road that would connect Bunker Lake Boulevard NE to Andover Boulevard NE

will eventually be realigned. Engineer Krugler stated vacation of excess roadway, drainage and utility easements within 1163 143rd Avenue NE will be done after the Lincoln Street Commercial plat is filed. Engineer Krugler stated Coon Creek County Ditch No. 59 runs along the northern border of the plat and will require a 100-foot easement. Engineer Krugler stated there are FEMA Zone A limits adjacent to the county ditch but a FEMA Letter of Map Amendment will not be required. Engineer Krugler stated Northern Natural Gas (NNG) has a 50-foot-wide easement within the southerly portion of the proposed development and Johnson Street NE will cross the easement; written approval of the development from NNG is required. Engineer Krugler stated written approval is also required from Lumen (aka CenturyLink and Qwest) due to the north/south Northwestern Bell Telephone easement over the easterly portion of proposed Lots 3 and 4 and within Outlot A. Engineer Krugler stated the Northwestern Bell Telephone easement is a blanket easement now as it is not confined to a typical 50-foot-wide easement; further discussion is needed related to the limits of this easement. Engineer Krugler stated the minimum building setback from Highway 65 is 50 feet. Engineer Krugler stated Article 11-1850 of City Code states decorative trees, such as conifers, shall be planted along the right-ofway lines of adjacent public roadways or where property lines are adjacent to residential areas. Engineer Krugler stated tree planting can be discussed when site plans are reviewed for the parcels. Engineer Krugler stated that there is a billboard within/adjacent to the east property line of proposed Lot 2 which will be relocated. Engineer Krugler stated Coon Creek Watershed District approval and a Natural Heritage Information System data review by the DNR is required. Chair Pogalz stated Commissioner Entsminger is abstaining from comment and voting on this matter as his business may be hired by the applicant to do work on this project. Chair Pogalz asked what the process is to convey Outlot A to 1163 143rd Avenue NE. Engineer Krugler stated that will be determined by the applicant but must be completed before building permits can be issued for lots within the plat. Chair Pogalz asked Mr. Rosenberg if he had reviewed the City Engineer's memo in the packet and if he understood the requirements noted in the memo. Mr. Rosenberg stated he had read the memo and is okay with the direction and requirements noted. Motion by Pogalz, seconded by Fisher, to recommend approval of the Sketch Plan, presented by Art Rosenberg, of Lincoln Street Commercial, LLC, a four lot, one outlot commercial subdivision in Section 29 subject to roadway, drainage and utility easement dedication within Lot 2, Block 1 of Entsminger Farms to align with the proposed Lincoln Street right-of-way within Outlot A, a revision of the west lot line of Lot 3 to match the centerline of the proposed Lincoln Street NE extension, conveyance of Outlot A to the owner of the 29-32-23-32-0005 (1163 143rd Avenue NE) parcel, dedication of an easement within 100 feet of Coon Creek County Ditch No. 59, obtaining written approval from Northern Natural Gas to allow Johnson Street NE to cross the easement, obtaining a written Release or Confinement of Easement from Lumen, or half-section correction from Anoka County, for the easement over the easterly portions of proposed Lots 3 and 4 and within Outlot A. relocating the billboard that is within/adjacent to the easterly property line of proposed Lot 2 to meet setback requirements, complying with sign standards in Article 11-320 of City Code and obtaining a permit for any new sign that may be Coon Creek Watershed District approval, a Natural Heritage Information System data review by the DNR, meeting the requirements of the City Engineer, and meeting all City, State and County requirements. Commissioners

Pogalz, Lejonvarn, Ringer, Ross, Fisher and Dixson voted yes, Commissioner Entsminger abstained from the vote. Motion carried. This application will be placed on the City Council's Tuesday, May 20, 2024 agenda.

Chair Pogalz asked Mr. Rosenberg if any of the requirements noted in the motion were of concern to him. Mr. Rosenberg stated the requirements were acceptable.

Melinda McDermott, Elevate Hope House, requesting Sketch Plan approval of a residential development (two lots, one outlot) in Section 16

Ms. Melinda McDermott, Founder of Elevate Hope House, and Mr. Matt Davich from E.G. Rud and Sons were present. Ms. McDermott stated Elevate Hope House is a 501(c) (3) organization that was founded in 2018. Elevate Hope House renovated the Oak Haven church parsonage in 2020. Ms. McDermott stated the organization provides hybrid, transitional housing for single moms (Ages 18-24.) and their kids for up to 2 years along with programming via a family advocate so residents are self-sufficient when they leave. Ms. McDermott stated the proposal is to obtain two acres of the Ham Lake Baptist Camp property to construct two separate homes over time. Ms. McDermott stated their organization has a partnership with Spring Lake Park High School and students taking the construction trades course are currently building a three-bedroom house that will be moved out to a lot in the plat for a slab on grade home. Chair Pogalz asked Engineer Krugler to comment on the project. Engineer Krugler stated the 55-acre parcel that will be subdivided is zoned R-1 (Residential Single Family) and RS-2 (Shoreland Residential-Recreational Development). Engineer Krugler stated this subdivision will follow the minor plat process which permits preliminary and final plat review to be done at the same time. Engineer Krugler stated the driveway of proposed Lot 1 shows access from County Road 61 or Xylite Street NE. Engineer Krugler stated the Anoka County Highway Department must review and approve the proposed 50-foot wide access opening, drainage and utility easement and Xylite Street NE right-of-way width. Engineer Krugler stated a 15-foot wide bike trail easement is required adjacent to the easterly 10-foot drainage and utility easement of both proposed residential lots. Engineer Krugler stated Coon Creek Watershed District approval is required. Engineer Krugler stated, per the plans, a United Power Association easement encroaches 25-feet into the easterly portion of the two proposed lots; written approval must be obtained for the Lot 1 driveway crossing, the future trail and any grading that will be done within the easement. Engineer Krugler stated the balance of a deferred, special assessment from the upgrade done on East Ham Lake Drive in 1994, must be paid in full due to subdividing the parcel. Chair Pogalz asked Engineer Krugler what will be required for Parkland Dedication. Engineer Krugler stated dedicating land for the trail easement along Xylite Street NE will satisfy the parkland requirement as the value of the trail easement is estimated to be in excess of the \$2500 per lot cash requirement for the two lots to be developed. Chair Pogalz asked Ms. McDermott if she had reviewed the memo from the City Engineer. Ms. McDermott stated she had and did not have any questions or concerns. Motion by Pogalz, seconded by Fisher, to recommend approval of the Sketch Plan presented by Melinda McDermott, Elevate Hope House, for a two lot, one outlot, residential subdivision

in Section 16 subject to dedicating 10-foot drainage and utility easements around the perimeter of each proposed lot, identifying Outlot A as Lot 3 or combining the outlot with the adjacent 16-32-23-34-0036 parcel under the same ownership, dedicating a 15-foot wide bike trail easement adjacent to the easterly 10-foot drainage and utility easement for both proposed lots to meet the parkland dedication requirement, Coon Creek Watershed District approval, a Natural Heritage Information System data review by the DNR, obtaining approval of the 50foot wide Lot 1 access opening, drainage and Xylite Street NE right-of-way width and an Access Permit for the Lot 1 driveway from the Anoka County Highway Department, obtaining written approval from United Power Association for the driveway of Lot 1 crossing the easement, future trail construction and any grading within the easement, paying the balance of the deferred, special assessment for the 1994 upgrade of East Ham Lake Drive NE in full prior to the plat being filed with Anoka County, meeting the requirements of the City Engineer and meeting all City, State and County requirements. All in favor, motion carried. This application will be placed on the City Council's May 20, 2024 agenda.

COMMISSION BUSINESS:

City Council Update

Chair Pogalz informed the Commissioners that the City Council concurred with the Commission's recommendations to approve the request from Jesse Osborne, Storage World, for rezoning and Wesam Alkubaisy's request for a Conditional Use Permit to operate Pioneer Auto Tronics at 15903 Lincoln Street NE. There will not be a Planning Commissioner present at the May 20, 2024 City Council meeting.

ADJOURNMENT:

Motion by Dixson, seconded by Fisher, to adjourn the Planning Commission meeting at 6:24 p.m. All in favor, motion carried.

Jennifer Bohr Building and Zoning Clerk

CITY OF HAM LAKE PLANNING COMMISSION REQUEST APPLICATION INSPECTION REPORT

MTG DATE: <u>June 10, 2024</u>

INSPECTION ISSUED TO: Dave Ringler
APPLICANT/CONTACT: <u>Jeff Stalberger</u>
TELEPHONE NUMBER: 612-799-1471 or stally68@msn.com
BUSINESS/PLAT NAME: Swedish Chapel Est
ADDRESS/LOCATION OF INSPECTION: 2506 Swedish Dr NE
APPLICATION FOR: Preliminary Plat & Rezoning
RECOMMENDATION:
DATE:
PLANNING COMMISSIONER SIGNATURE:



PLANNING REQUEST



CITY OF HAM LAKE

15544 Central Avenue NE Ham Lake, MN 55304

公斯

Date of Application $\frac{3/21/7024}{Receipt #}$
Meeting Appearance Dates:
Meeting Appearance Dates: Planning Commission 6-10-24 City Council
Please check request(s):
Metes & Bounds Conveyance Commercial Building Site
☐ Sketch Plan ☐ Certificate of Occupancy ☐ Preliminary Plat Approval* ☐ Home Occupation Permit
✓ Preliminary Plat Approval* ☐ Home Occupation Permit ☐ Final Plat Approval ☐ Conditional Use Permit (New)*
Conditional Use Permit (New) Rezoning*
Multiple Dog License*
*NOTE: Advisory Signage is required for land use alterations and future road connections. This application also requires a Public Hearing. Such fees shall be deducted from deposit.
Development/Business Name: Mr. Development LLC
Address/Location of property: Ly Lite & Swedish Di.
Legal Description of property: Miles + Bounds
PIN # 04-32-23-14-0001 Current Zoning RA Proposed Zoning R1
11 = 1.0 1 lots 12 a + lots
Notes: 47 single family lots /3 out lots
Applicant's Name: TEFF STALLUCK
Applicant's Name: JEFF STAIBUREL Business Name: Mr. Development LLC
Address 17404 WARD LK. Dr. NW
Address 17404 WARD LK. Dr. NW City Andonu State MN Zip Code 55304
Address 17404 WARD LK. Dr. NW City Andonu State MN Zip Code 55304
Address 17404 WARD LK. Dr. NW City Andonu State MN Zip Code 55304
Address 17404 WARD LK. Dr. NW City Andonu State Mn Zip Code 55304 Phone 12-799-1471 Cell Phone Fax Email address 57464 C8 @ MSN. Com
Address 17404 WARD LK. Dr. NW City Andonu State MN Zip Code 55304
Address 17404 WARD UK. Dr. NW City Anlows State Mn Zip Code 55304 Phone 12-799-1471 Cell Phone Fax Email address 5744468 @ MSN. Com You are advised that the 60-day review period required by Minnesota Statutes Chapter 15.99 does not begin to run until all of the required items have been received by the City of Ham Lake.
Address 17404 WARD UK. Dr. NW City Anlows State Mn Zip Code 55304 Phone 12-799-1471 Cell Phone Fax Email address 5744468 @ MSN. Com You are advised that the 60-day review period required by Minnesota Statutes Chapter 15.99 does not begin to run until all of the required items have been received by the City of Ham Lake.
Address 17404 WARD UK. Dr. NW City Anlows State MN Zip Code 55304 Phone 12-799-1471 Cell Phone Fax Email address 5744468 @ MSN. Com You are advised that the 60-day review period required by Minnesota Statutes Chapter 15.99 does not begin to run until all of the required items have been received by the City of Ham Lake.
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Address 17404 WARD UK. D. NW City Andows State Mn Zip Code 55304 Phone 12-799-1471 Cell Phone Fax Email address 5744468 MSN. Com You are advised that the 60-day review period required by Minnesota Statutes Chapter 15.99 does not begin to run until all of the required items have been received by the City of Ham Lake. SIGNATURE Jam 1. Half DATE 3-21-2024

CITY OF HAM LAKE



NOTICE OF PUBLIC HEARING CITY OF HAM LAKE COUNTY OF ANOKA STATE OF MINNESOTA

TAKE NOTICE, that pursuant to the requirements of Minnesota Law, a public hearing shall be held before the Ham Lake Planning Commission on Monday, June 10, 2024 at 6:01 p.m. at the City Hall located at 15544 Central Avenue NE for the purpose of considering the application of Jeff Stalberger, MN Developments LLC, requesting preliminary plat approval and rezoning of land from R-A (Rural Single Family Residential) to R-1 (Single Family Residential) for the development of Swedish Chapel Estates (47 single family residential lots and 3 out lots) located in Section 4, parcels of certain land situated in the City of Ham Lake, Anoka County, Minnesota and which are described as follows to wit:

The Northeast Quarter of Section 4, Township 32, Range 23, except the following described tracts of land:

The West 15 acres of the said Northeast Quarter of Section 4, Township 32, Range 23, heretofore sold and deeded to the Swedish Lutheran Society.

AND a plot of ground, commencing at a point 23.49 chains South and 5.15 chains East (Variation 8 degrees 51 minutes in 1887) of Quarter corner on North side of Section 4, Township 32, Range 23; thence South 29 degrees East (Variation 8 degrees 51 minutes in 1887) 9 1/2 rods, to a tamarac stake; thence North 64 degrees East, 14 1/2 rods; thence North 29 degrees West, 10 1/2 rods; thence South 60 1/2 degrees West, 14 1/2 rods to point of commencement, containing 1 acres, more or less, being a part of the Southwest Quarter of Northeast Quarter of Section 4, Township 32, Range 23.

AND commencing at the Northeast corner of Section 4, Township 32, Range 23 and running thence West on and along town line between Towns of Bethel and Ham Lake a distance of 37 1/2 rods to East boundary line of Bethel and Minneapolis Road so called; thence in a Southerly direction on and along East road limit of said Bethel and Minneapolis Road as now located a distance of about 43 rods; thence in an Easterly direction a distance of about 24 1/2 rods to intersect the Section line running North and South between Sections 3 and 4 in said Township 32 and Range 23 at a point on said Section line a distance South from said Northeast comer of said Section 4, 34 rods; thence North on and along said Section line to place of commencement being a part of the Northeast Quarter of Northeast Quarter of Section 4, Township 32, Range 23, containing about 7 acres.

AND that part of the Northeast Quarter of Section 4, Township 32, Range 23, described as follows: Commencing at a point 289 feet East and 732 feet North of the Southwest corner of said Northeast Quarter; thence Northeasterly along the center of the road 424 feet; thence Northwesterly 701 feet to the point, which is 289 feet East of the West line of the said Northeast Quarter; thence South to the point of beginning.

AND commencing at a point 1550.34 feet (23.49 chains) South and 339.9 feet (5.15 chains) East of the Quarter corner on the North side of Section 4; thence South 29 degrees East for 156.75 feet; thence South 64 degrees West for 187.4 feet; thence North, parallel with and 247.5 feet East of the Quarter Section line for 142.15 feet to the Southerly line of a public road; thence North 50 degrees 10 minutes East along said Southerly road line to the point of beginning, also all right of title in said adjacent public road to the center line thereof, Anoka County, Minnesota.

At such hearing both written and oral comments will be heard.

DATED: May 31, 2024

Jennifer Bohr Building & Zoning Clerk City of Ham Lake



Office (763) 862-8000 Fax (763) 862-8042

Memorandum

Date:

June 6, 2024

To:

Planning Commissioners

From:

David A. Krugler, City Engineer

Subject:

Swedish Chapel Estates

Introduction:

The proposed 47 lot residential development, formally known as the Dosedel Parcel, is located on the 111.42-acre 04-32-23-14-0001 parcel. The parcel is currently zoned Rural Single Family Residential (R-A) and the proposed zoning is Single Family Residential (R-1). A 500-scale aerial photo, 400-scale half-section map and 500-scale zoning map are attached.

Discussion:

The Title Sheet, Preliminary Plat, Grading, Erosion Control and Tree Protection Plan, Livability Plan, Livability Chart, Removals Plan, SWPPP, Details and Left & Right Turn Lane Plan received May 28th and Preliminary Utility Plan received May 29th address prior review comments.

Swedish Drive shows to be realigned with this project. The developer will need to provide a legal description of the right-of-way to be vacated by City public hearing. All utilities within the existing right-of-way will need to be relocated by the Developer prior to the vacation.

Three outlots are shown on the preliminary plat. The 3.47-acre Outlot A will need to be combined with either 03-32-23-22-0003 to the east or 17943 Xylite Street to the north. The 1.45-acre Outlot B will need to be combined with the adjacent 2200 Swedish Drive. The 0.08-acre Outlot C will need to be combined with either the parcel of 2217 Swedish Drive or 04-32-23-13-0003. The Development Agreement will include the conveyance of the outlots to the adjacent properties.

The Revised Braun Geotechnical Exploration Report, dated February 2, 2024, is still under revision. Preliminary results identify proposed low floor elevations for the proposed lots. A final Report is required. The November 1st 2023 Tradewell soil borings logs show the completed borings to identify potential septic fields for the proposed lots. A signed certification by a licensed septic evaluator that support two standard septic systems for each lot in accordance with Minnesota Rules 7080 is required.

The initial Anoka County Transportation Division review letter, dated May 13, 2024, is attached. Anoka County is requiring a southbound right-turn lane and a northbound left-turn lane onto Swedish Drive from Xylite Street (County Road 68). The plan shows the lanes provided and will not require additional right-of-way from the adjacent parcels to the east. The County outlined corrections required for the southbound right-turn lane which have been revised and

submitted to Anoka County. Anoka County approval is required.

The Future Trails Maps for both Ham Lake and East Bethel identify Xylite Street/Greenbrook Drive as a future bike path. Per the attached memo, the Park Committee recommended that a trail easement be dedicated along the west side of Xylite Street for a future bike path. A 20-foot trail easement should be required adjacent to the 10-foot drainage and utility easement along Xylite Street. In addition, parkland dedication fees will be collected rather than parkland dedication. The Developer will be credited for land dedicated for the trail easement.

An Encroachment Agreement will be required due to the Lot 6, Block 3 septic crossing the drainage and utility easement. FEMA Letter of Map Amendments are required for Lot 8 of Block 1, Lots 4, 5, 6, 7, 11, 12 and 13 of Block 2, and Lots 13, 14, and 15 of Block 3.

Swedish Drive is the hydrological boundary between the Coon Creek Watershed District (CCWD) and the Upper Rum River Watershed Management Organization (URRWMO). The parcels are within a drainage sensitive area, however since they will be regraded, CCWD has removed increased stormwater treatment requirements. Lots 4, 6, 12 and 13 of Block 2 are adjacent to County Ditch #58 which requires a 100-foot easement (50-foot either side of the ditch centerline) which is shown on the Preliminary Plat. The City of Ham Lake waived Wetland Conservation Act jurisdiction to the CCWD for that portion of the project located within the URRWMO. That portion of the plans outside of the CCWD have been reviewed for compliance with URRWMO Watershed Management Plan. A 16.5-foot buffer is required adjacent to all wetlands with the URRWMO. Any areas where vegetation is removed within the buffer area during construction must be reseeded with native seed mix and the Developer is responsible for maintenance or reseeding for 3 years. Stormwater Ponds 2 and 7 show grading within the proposed buffers and requirements of maintenance will be included in the Development Agreement.

The Natural Resources Inventory and Assessment (NRIA) completed in 2008 by the Anoka Conservation District (Appendix S of the Storm Water Pollution Prevention Plan) does not identify any portion of the proposed development area as being within a Major Natural Resource Concentration per the attached Map 3. A Natural Heritage Information System data review by the DNR was performed. A survey for endangered species was conducted, however comments from the MnDNR have outlined that the survey is incomplete. Further revision to the endangered plant report is required. There is an eagle's nest on Lot 3 Block 1. Proper setbacks have been provided.

A MPCA Construction Stormwater Permit is required due to the disturbance of at least one acre. An MPCA Permit will be required prior to construction commencement.

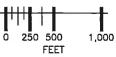
The preliminary plat was granted contingent approval at the May 13th CCWD Board of Managers meeting, per the attached Notice of Permit Application Status. In addition to paying the \$19,000 performance escrow, the Developer needs to verify the Wetland Bank Credit Withdrawal. Construction cannot commence until the CCWD Permit is issued.

Recommendations:

It is recommended that the Preliminary Plat of Swedish Chapel Estates be recommended for approval contingent on providing the following:

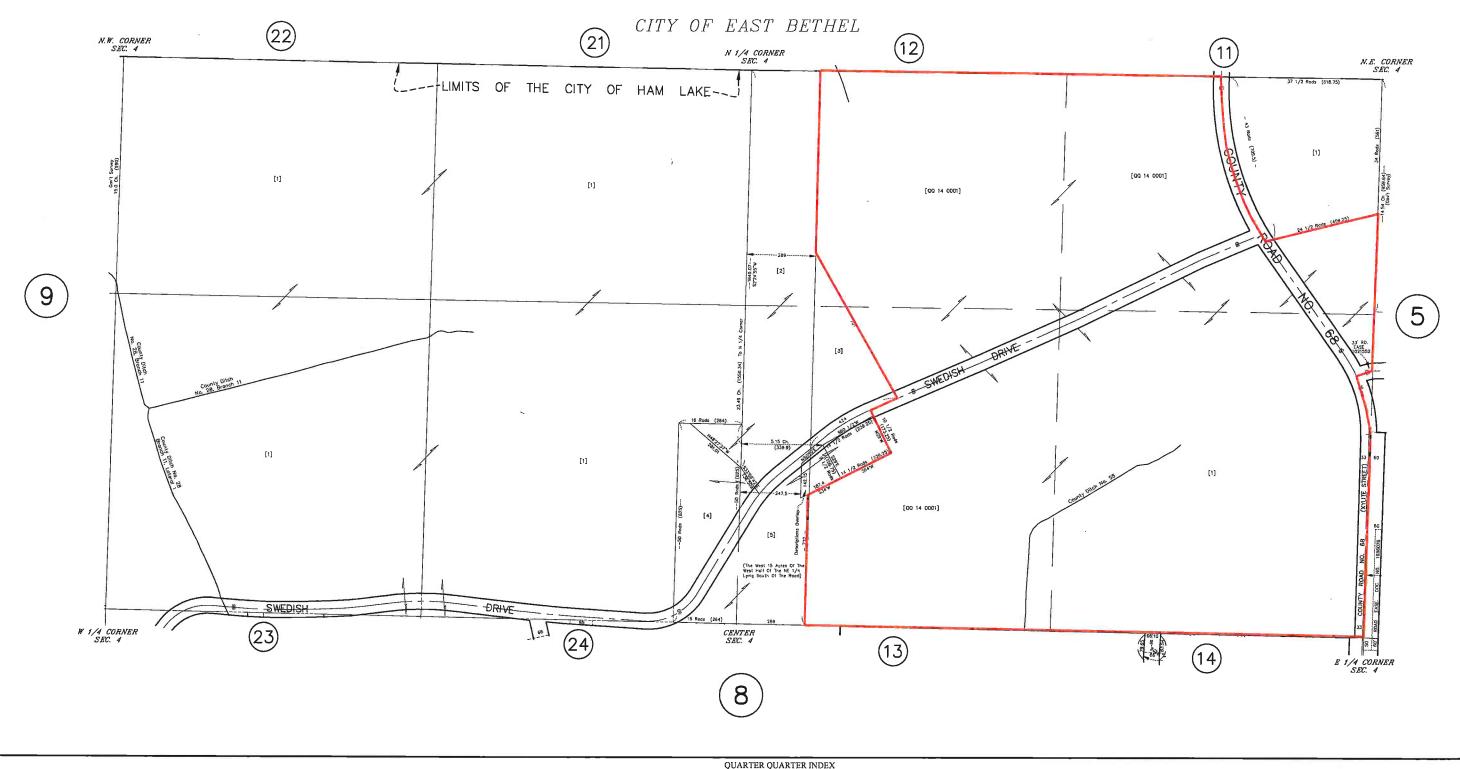
- Signed certifications of valid septic fields for the proposed 47 lots.
- The final Geotechnical Report being supplied
- Anoka County Transportation Division approval.
- 20-foot bike easement to be provided along Xylite Street (CR 68)
- Encroachment Agreement for Lot 6 Block 3 for proposed septic crossing
- FEMA Letter of Map Amendment Lot 8 of Block 1, Lots 4, 5, 6, 7, 11, 12 and 13 of Block 2, and Lots 13, 14, and 15 of Block 3.
- Obtain a MPCA Construction Stormwater Permit prior to construction.
- Obtain approval from MnDNR regarding endangered plants that may be on site.
- Meet all CCWD permit requirements.



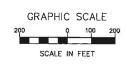


N 1/2 SECTION 4, T. 32, R. 23

CITY OF HAM LAKE







ANOKA COUNTY SURVEYOR'S OFFICE ROOM 224 2100 3RD AVENUE ANOKA, MN 55303 (763) 324-3200



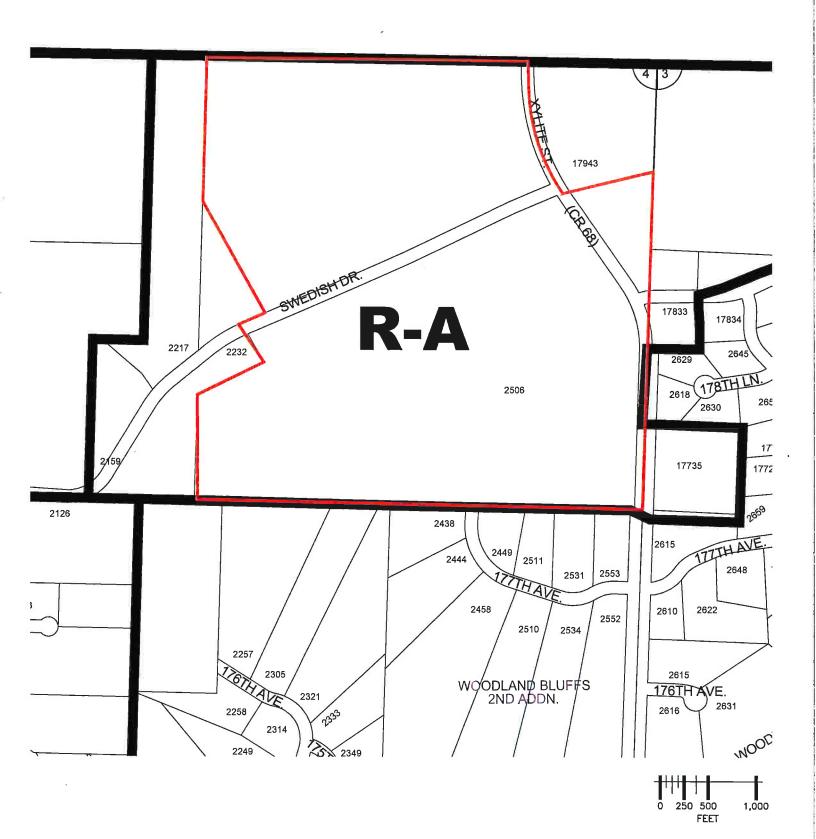
PROPERTY IDENTIFICATION NUMB

Section Township Number Number Number Quarter Parcel

XX XX XX XX XX XX XX XXXX

SPECIFIC PARCEL NUMBERS ARE IN BRACKETS: [1] EXAMPLE OF PIN NUMBER; 04-32-23-13-0001

THIS IS A COMPILATION OF RECORDS AS THEY APPEAR IN THE ANOKA COUNTY OFFICES AFFECTING THE AREA SHOWN. THIS DRAWING IS TO BE USED ONLY FOR REFERENCE PURPOSES AND THE COUNTY IS NOT RESPONSIBLE FOR ANY INACCURACIES HEREIN CONTAINED.



TITLE SHEET

~of~ SWEDISH CHAPEL ESTATES ~for~ MN DEVELOPMENTS, LLC. 17404 WARD LAKE DRIVE NW ANDOVER, MN 55304 (612) 799-1471

VICINITY MAP

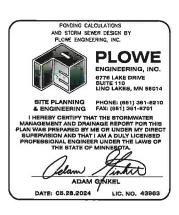
PART OF SEC. 4, TWP. 32, RNG. 23

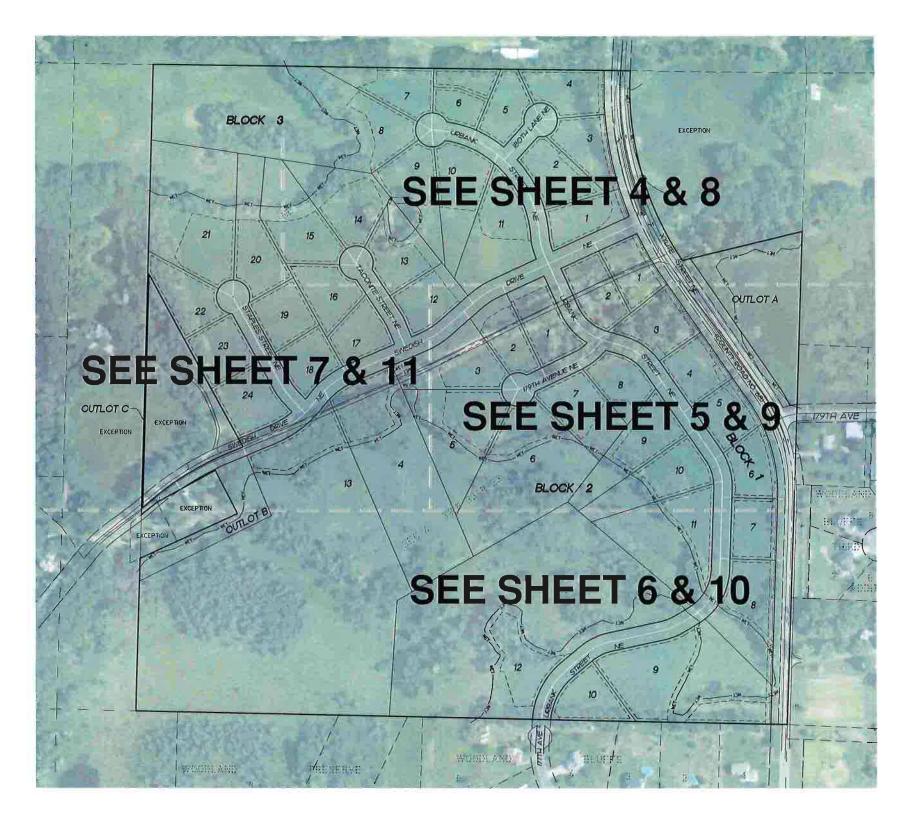


ANOKA COUNTY, MINNESOTA (NO SCALE)

SHEET INDEX

TITLE SHEET T1 PRELIMINARY PLAT 2-3 **GRADING PLAN** 4-7 LIVABILITY PLAN 8-11 12-14 LIVABILITY CHART **REMOVALS PLAN** PRELIMINARY UTILITY PLAN C1.1 - C1.3 C2.1 - C2.2 STORMWATER POLLUTION PREVENTION PLAN C3.1 - C3.3 DETAILS C4.1 - C4.3 **TURN LANE PLAN**





GRAPHIC SCALE

0 75 150 300 6

1 INCH = 150 FEET

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.



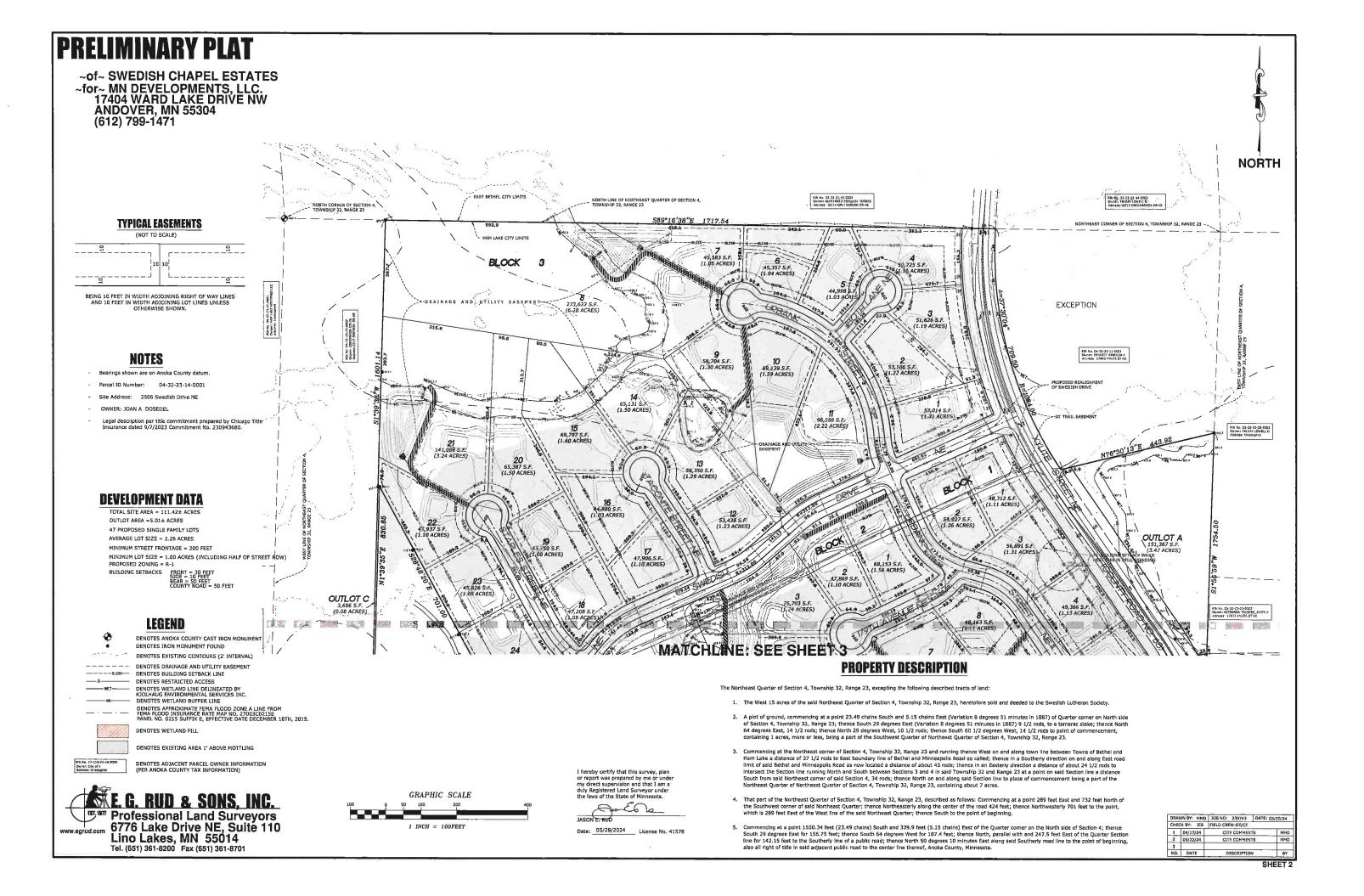
DRAV	VN BY: MMD	308 NO: 230743	DATE: 03/20/24
CHEC	K BY: JER	FIELD CREW: DT/CT	
1	04/08/24	VICINITY MA	P MMD
2	04/17/24	CITY COMMEN	rs MMD
3	05/22/24	CITY COMMEN	TS MMD
NO.	DATE	DESCRIPTION	N BY

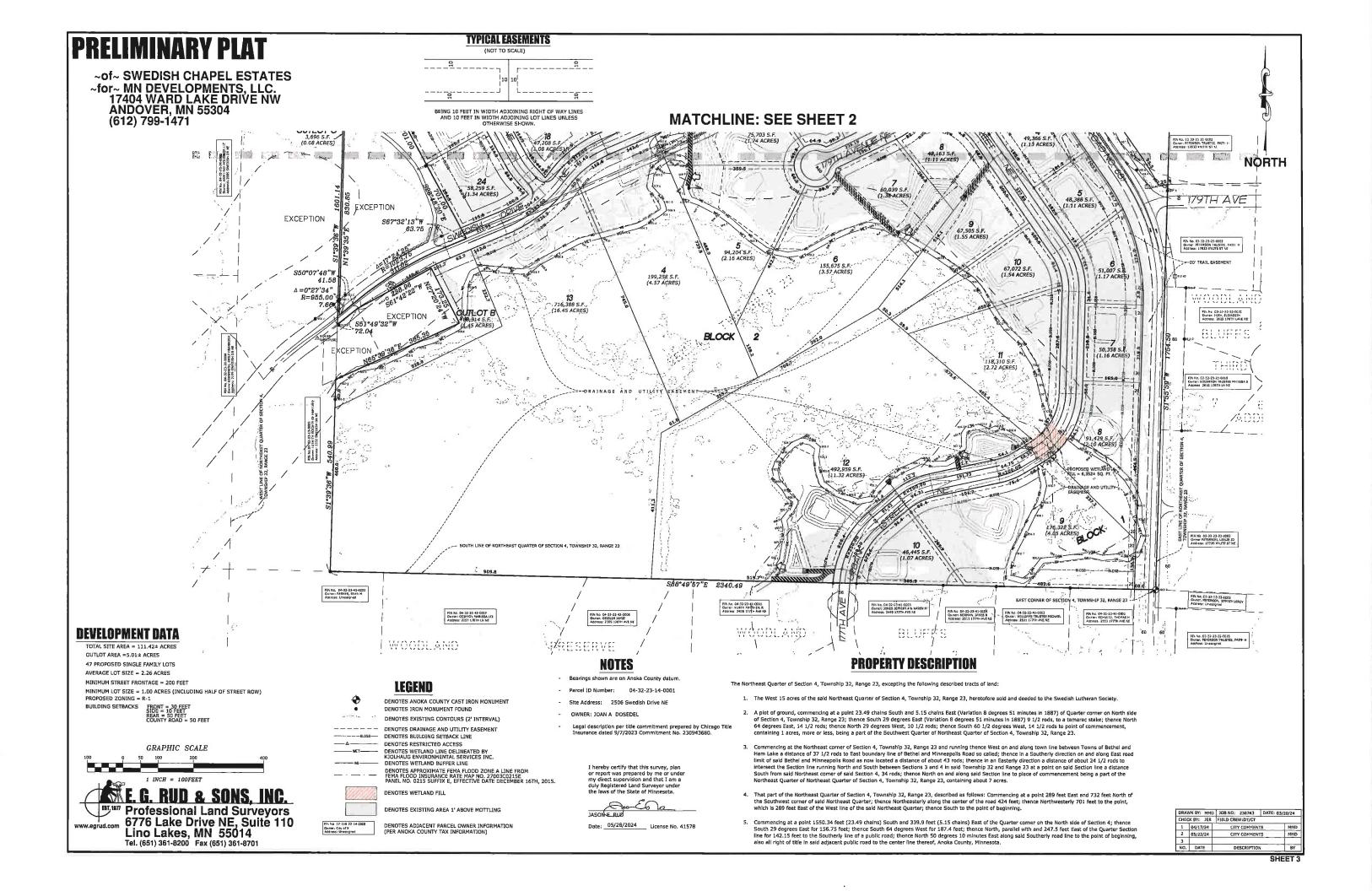
NORTH

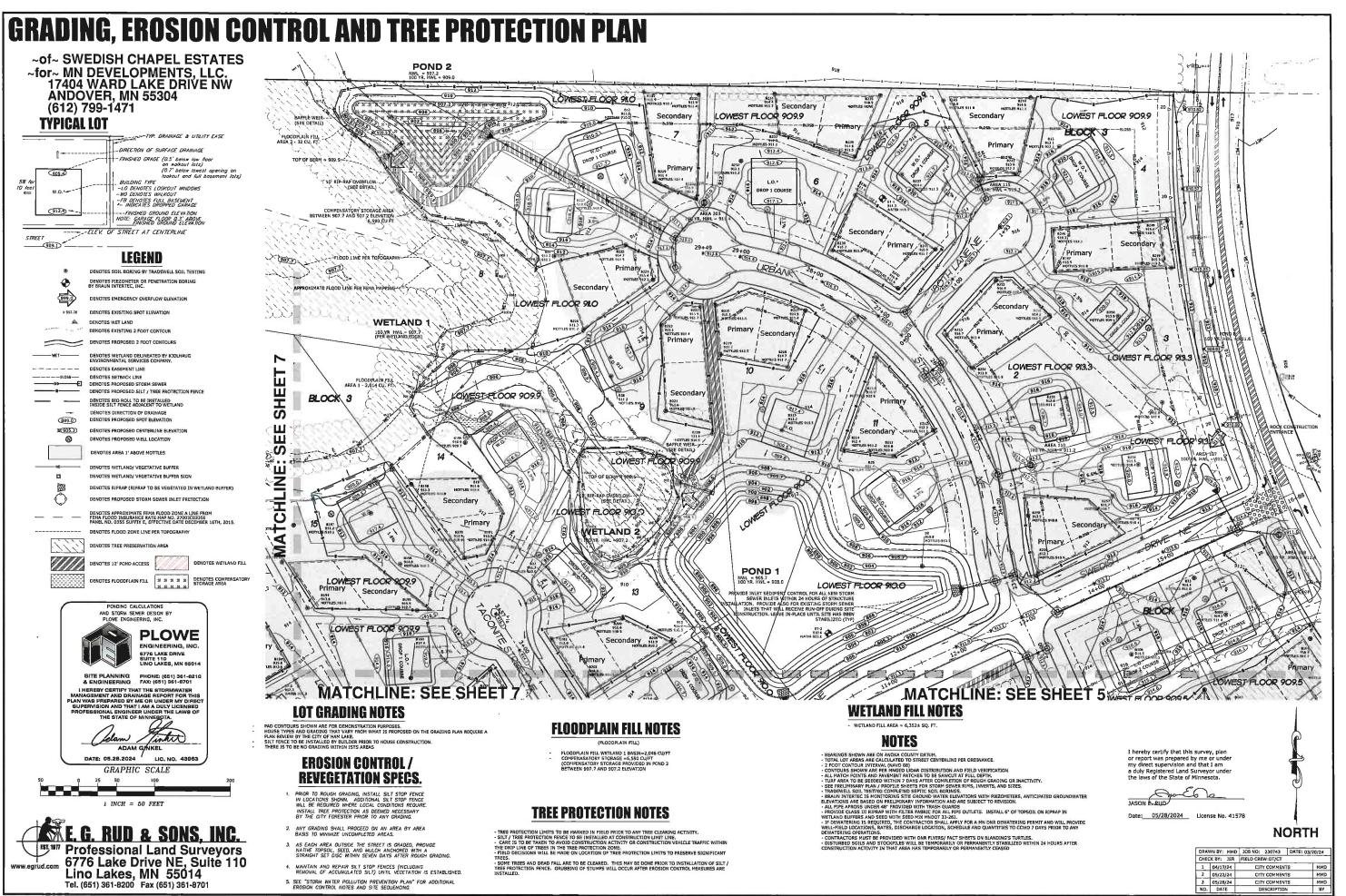
egrud.com 6776 Lake Drive NE, Suite 110 Lino Lakes, MN 55014
Tel. (651) 361-8200 Fax (651) 361-8701

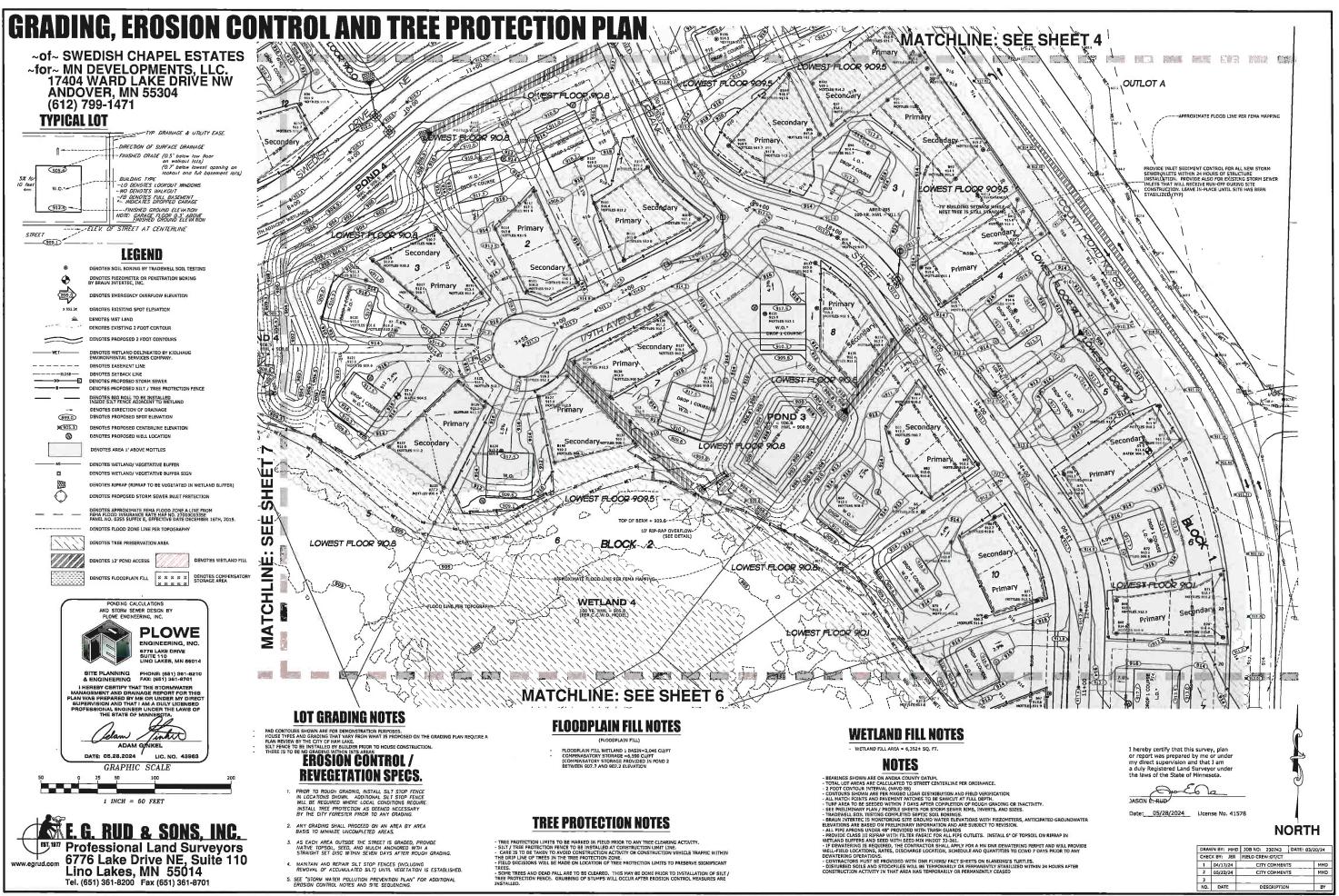
E.G. RUD & SONS, INC.

SHEET T1

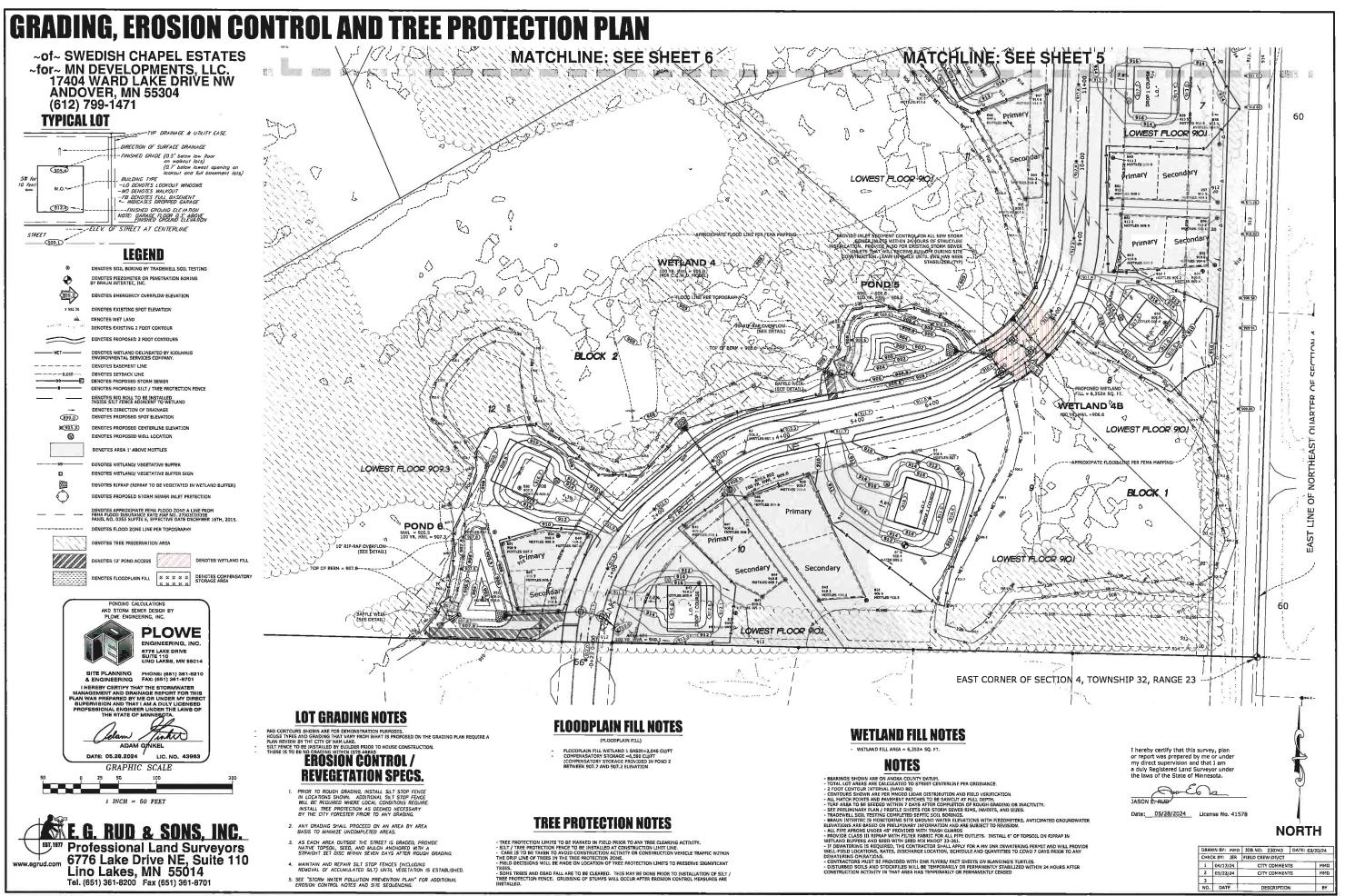




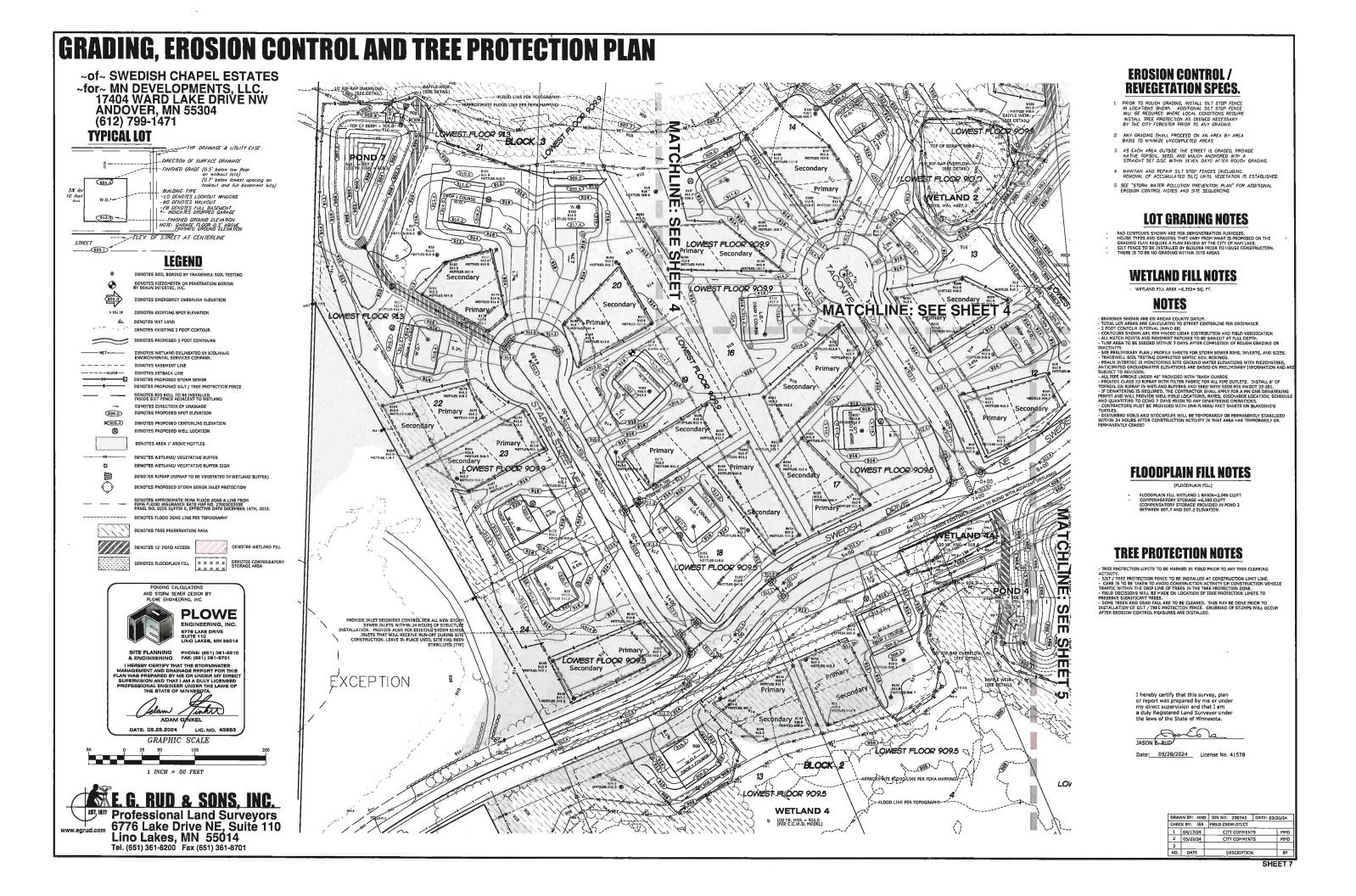




SHEE



SHEET



LIVABILITY PLAN

~of~ SWEDISH CHAPEL ESTATES ~for~ MN DEVELOPMENTS, LLC. 17404 WARD LAKE DRIVE NW ANDOVER, MN 55304 (612) 799-1471

LEGEND

DENOTES PIEZOMETER OR PENETRATION BORING BY BRAUN INTERTEC, INC.

DENOTES EXISTING SPOT ELEVATION AL DENOTES WET LAND

DENOTES EXISTING 2 FOOT CONTOUR DENOTES PROPOSED 2 FOOT CONTOURS

DENOTES EASEMENT LINE DENOTES SETBACK LINE

DENOTES PROPOSED STORM SEWER DENOTES PROPOSED SILT / TREE PROTECTION FENCE

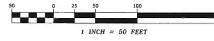
DENOTES PROPOSED WELL LOCATION DENOTES WETLAND/ VEGETATIVE BUFFER DENOTES WETLAND/ VEGETATIVE BUFFER SIGN

DENOTES 12' POND ACCESS

PLOWE SITE PLANNING PHONE: (651) 361-821 & ENGINEERING FAX: (651) 361-8701 & ENGINEEHING FAX: (80 () 301-307 I
HEREBY CERTIFY THAT THE BYORMWATER
NAGEMENT AND DRAINAGE REPORT FOR THIS
N WAS PREPARED BY ME OR UNDER MY DIRE
UPERWISION AND THAT I AM A DULY LICENSED
OFESSIONAL ENGINEER UNDER THE LAWS OF

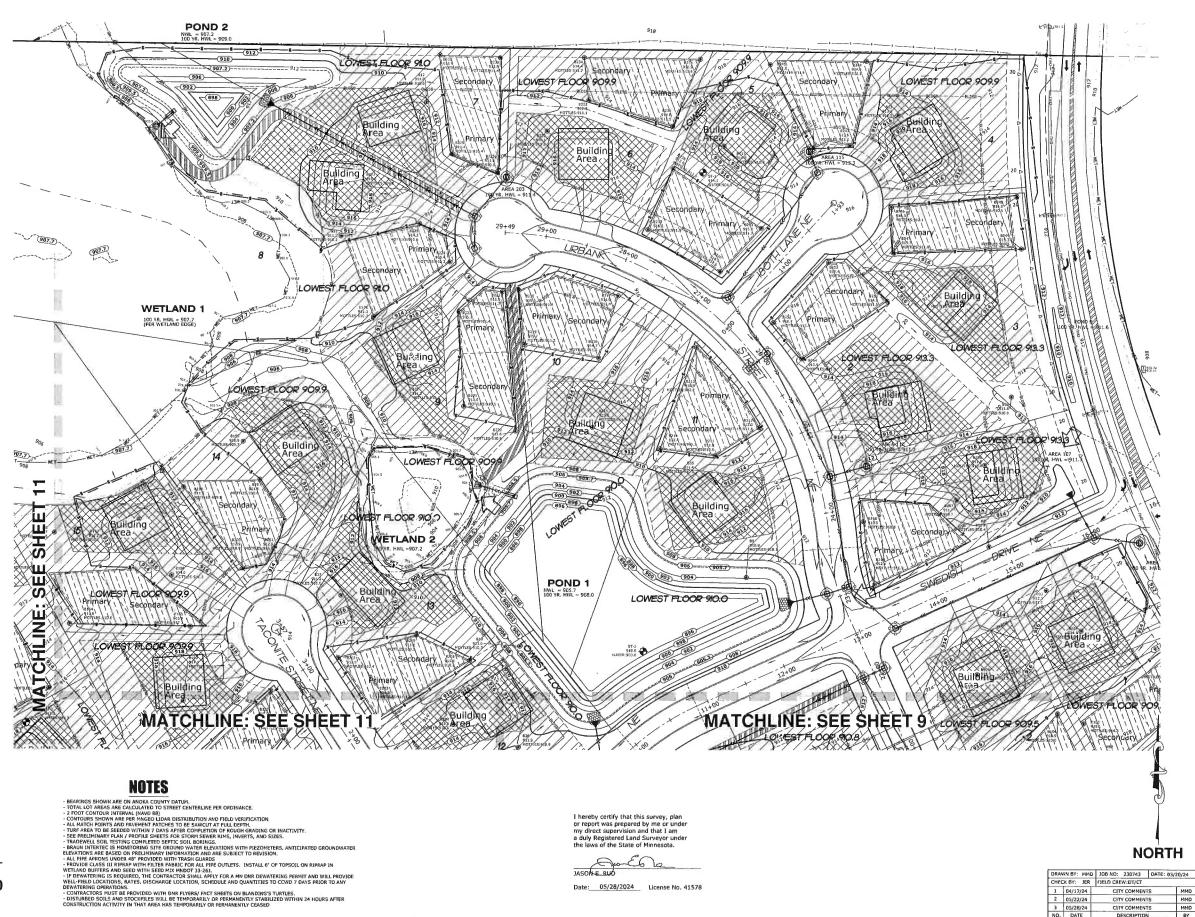
am Jinhu

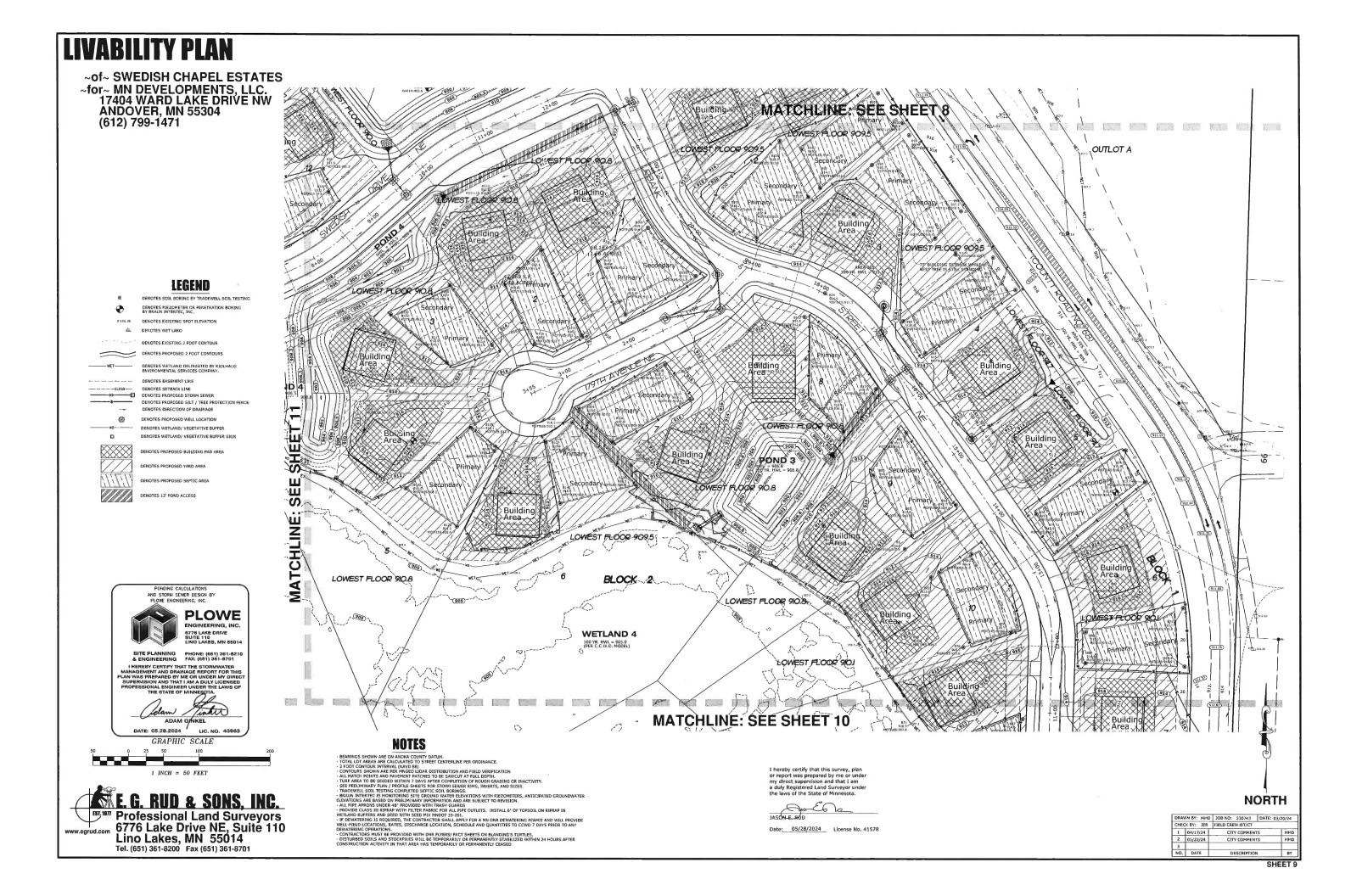
DATE: 05.28.2024 / LIC. NO. 43963 GRAPHIC SCALE

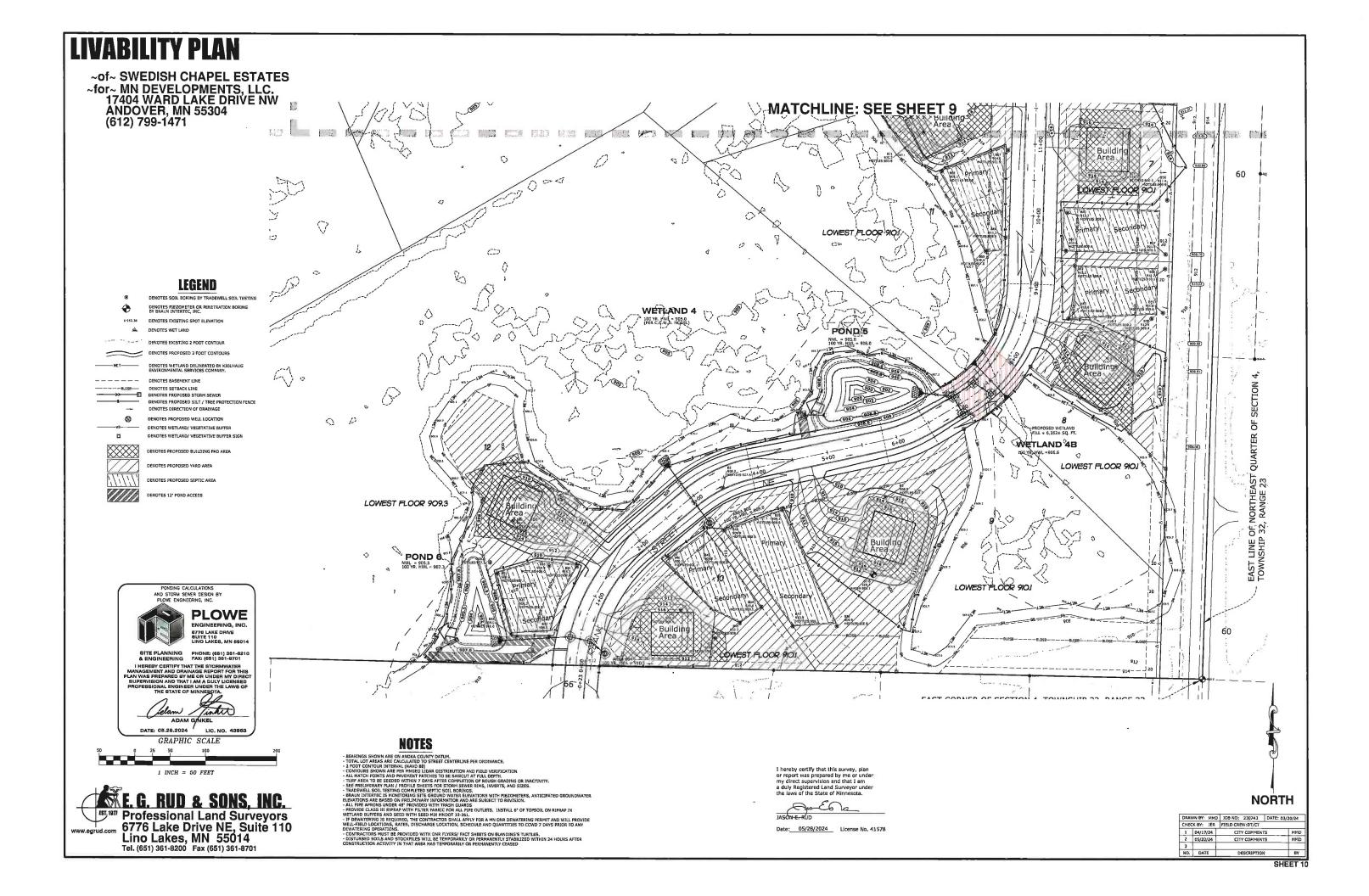


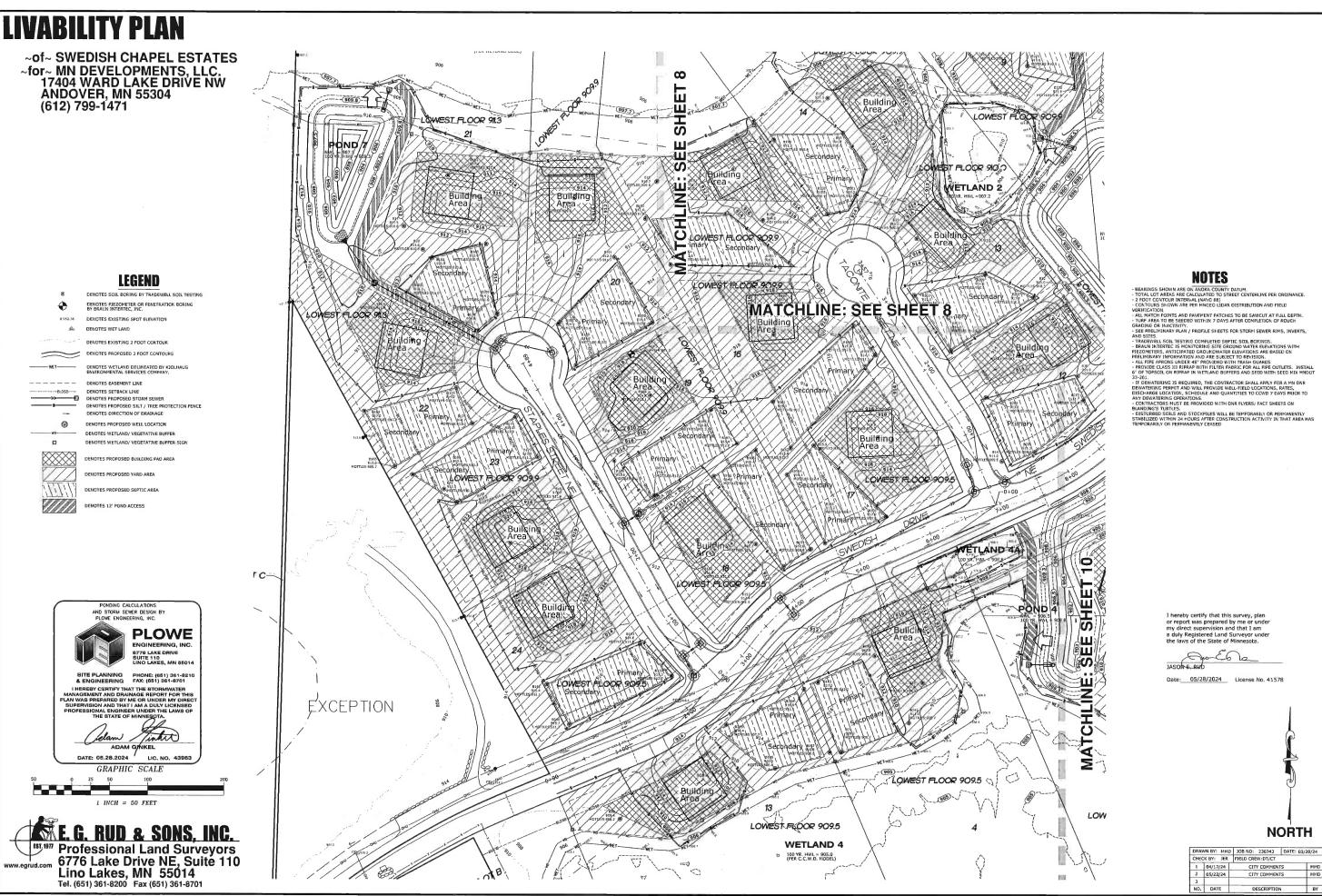
E.G. RUD & SONS, INC. Professional Land Surveyors

6776 Lake Drive NE, Suité 110 Lino Lakes, MN 55014 Tel. (651) 361-8200 Fax (651) 361-8701









SHEET 1

LIVABILITY CHART

~of~ SWEDISH CHAPEL ESTATES ~for~ MN DEVELOPMENTS, LLC. 17404 WARD LAKE DRIVE NW ANDOVER, MN 55304 (612) 799-1471

Livability Standards
All residential lots shall contain at least 29,500 square feet of land which kes above the
100 year flood contour. Of this 29,500 square feet, the following additional requirements
must be present.

A ISTS Area Each lot must contain at least 7,500 square feet of contiguous area which is reserved for both the ISTS originally constructed and a future ISTS. The ISTS Area need not be contiguous to the Bigliple building Area or the Yard Area, but the entire ISTS Area must axist at an elevation at least one foot above unsuitable Soils, and must contain Undisturbed Soils or soils which meet the requirements of Rule 7080 of the Minnesota Pollution Control Agency for ISTS construction Standards. The ISTS Area may be thregular in shape, provided they do not encroach into areas reserved by easement or otherwise for roadway, drainage or utility purposes, and provided that all of the area can be reasonably used for ISTS construction without the need for variances.

Be Eligible Buldinic Area Each lot shell contain at least 10,000 square feet of contiguous land which lies at an elevation at least four feet above Unsuitable Solls. The Eligible Bullining Area may not be irregular in shape, and should be generally rectanguler or rovoid, with no penhencies, narrow necks or pennisules. Eligible Bullining Areas may not denrocach into any areas reserves by easement or otherwise for roadway, crainage or utility purposes. Pill may be used to create Eligible Bullining Area.

C. Yard Area Each lot shall contain at least 12,000 contiguous square feet which:

Lies above the 100 year flood contour, and
 Use at least one foot above soils unsuitable for the intended usage of the Yard area, and

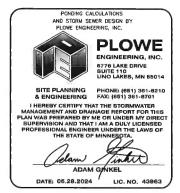
the Yard area, and
will 35 contiguous to the Bigible Bullcing Area for a distance of at least
fifty percent of the lineal permeter of the Bigible Bullcing Area,
Yard Areas may encroach into the cedicated essement area which lies at a distance of
ten feet from the permeter of the ict, and may encroach into areas reserved by
essement or otherwise for other public utility purposes, but may not encroach into any
other area reserved by dedication or otherwise for road or craiteage purposes, any may
wettends. Yard Areas may be irregular in shape except within thinty feet of the
locations where the Yard Area is contiguous to the Bigible Bullcing Area, at which
locations the Yard Areas final be a logical extension or expansion of the generally
rectangular or ovoid shape of the Bigible Bullcing Area. Fill may be used to create
Yard Area.

E. Low Floor Elevations

Low floor televations

I) For wilklow tespins, the low floor elevation shall be at least two feet above the 100 year flood contour, but, notwithstanding the 100 year flood contour, not less than one floot above unsuitable soils, as determined by the City's engineer.

I) For other dessigns, the low floor elevation shall be at least two feet above the 100 year flood contour, but, notwithstanding the 100 year flood contour, but, not otable one of the 100 year flood contour, but, not of above unsuitable soils, as determined by the City's engineer.



	I no extra		In								Highest Anticipated	Low Floor					
Lot	Block			Septic Area (sq. ft)				Proposed Low			Groundwarer	Determining	Boring #		Mottles	Building	Custom
		(sq. ft.)	(sq. fl.)	(sq. fl.)	(sq. fl.)	4' Above Unsuitable (sq. ft.)	Elevation	Floor Elev.	Opening	Elevation	Elevation	Factor		Elevation	Elevation	Type	Graced
1	1	48,312	13,024	7,861	10,306	10,308	919 1	912 1	915.3	909.5	906 5	Anlicipated	33	912.1	911.0	LO.4	NO
	_											Grounowater	97	914.1	911.6	DROP	
_			_										100	918.1	913 6	1 COURSE	
	-												101	916.9	911.7		
	-		-										102	914.1	911.4 914.3		├ ─┤
2	1	54,927	20,939	7,936	10,343	10.343	918.9	912.6	915.8	000.6	000 6	Authorizated		919.1 917.8		L.O *	NO
	<u> </u>	34,821	20,535	7,800	10,343	10.543	810.8	912.6	915.6	909.5	906 5	Anticipated Groundwater	95 96	917.8	913 1 911.3	DROP	МО
												Gidulowater	104	918.9	913.6	2 COURSE	_
													105	919.7	914.7	2 CODINGE	\vdash
													106	914.5	911.5		-
3	1	56,891	19,105	8,096	10,067	10.067	917.8	911.5	914.7	909.5	906.5	Anticipated .	24	914.5	912.3	L.O.*	NO
			10,100	0,000	10,007	10.007	017.0	01110	014.7	500.5	500.5	Groundwater	92	915.2	910.5	DROP	140
						i e						Greatestato	93	914.1	911.9	2 COURSE	1
													94	914.4	911.7		_
			1										98	916.7	912.7	-	1
		_	1										99	918.3	913.3		-
4	1	49,366	12,343	8,249	10,001	10.001	918.0	911.7	914.9	9117	907 1	PER	87	914.6	909.9	SIDE L.O.	NO
					.,,,,,				-			FES 308	88	915.7	911.9	DROP	
								-				HWL	89	915.6	911 1	2 COURSE	-
													90	917.3	912.8		_
													91	915.8	911.1		_
5	1	48,388	12,000	7,552	10,021	10.021	918.0	911.7	914.9	911.7	907 1	PER	ST 5	911.6	904.1 (W)	L.O.*	NO
							1					FES 308	6	911.7	910.5	DROP	1
												HWL	73	911.7	910.0	2 COURSE	
													74	911.9	910.2		_
	1												75	912.9	910.9		1
													76	912.1	910.6		1
6	1	51,007	13,257	7,724	10,028	10,028	918.0	911.0	914.2	910.1	907.1	Anticipated	68	914.6	910.9	L.O.*	NO
			1	.,,		,				0.0.1	-007.1	Grounowater	69	915.1	912.1	DROP	1
			1										70	914.4	910.9	1 COURSE	
												1	71	912.7	911.2		_
													72	913.1	909.8		
7	1	50,358	13,419	8,190	10,001	10,001	918.0	911.0	914.2	910 1	907 1	Anticipated	57	911.5	910 1	LO'	NO
												Groundwater	58	913.4	909.9	DROP	1
								-					59	913.5	910.5	1 COURSE	
													60	913.3	909.9		\vdash
													61	912.6	909.6		
8	1	91,429	14,554	8,097	10,044	7,087	917.8	911.5	911.5	910.1	907 1	Anticipated	4	910.3	909.2	W.O.*	NO
												Groundwater	30	910.4	909.4	DROP	
					_		1						54	909.7	908 4	2 COURSE	
													55	910.6	909.6		
													56	911.2	910.1		
													62	912.2	909.9		
													63	910.8	908.9		
9	1	176,322	47,687	11,957	10,000	7,269	918.5	911.5	911.5	910.1	907.1	Anticipated	ST6	908.4	905.1 (W)	W.O.*	NO
												Groundwater	2	908.2	907.5	DROP	
													3	908.5	907.7	1 COURSE	
													28	909.9	9.808		
			1								!		29	909.7	908.6		
													43	910.3	909.1		
	-												46	909.9	908.6		
10	1	46,445	18,421	7,858	10,259	10,259	917.1	910.1	913.3	910.1	907 1	Anticipated	27	909.9	909.1	L.Q.*	NO
												Groundwater	42	910.5	909.4	DROP	
													44	910.8	909.7	1 COURSE	
													45	910.3	909.1		
		_											47	909.6	908.2		
	-												48	909, 1	908.1		\vdash
1	2	68,153	20,553	8,663	10,608	8,983	918.5	911.5	911.5	910.8	906.5	PER	107	919,0	NONE	W.O.*	NO
												POND 4	108	919.1	914.4	DROP	
	-		+									HWL	109	917.1	911.9	1 COURSE	
			-										110	915.0	913.0		
	-	12 400	40.000		12 111								111	916.4	912.2		-
2	2	47,869	12,589	7,728	10,396	6,656	918.0	911.0	911.0	910.8	906 5	PER	112	917.1	911.9	W.O.*	NO
	-											POND 4	113	912.0	911.0	DROP	
												HWL	114	913.8	910.5	1 COURSE	
			-										115	916.0	912.7		-
-	1	75 765	40.070	7 000	40.115		0/			412.2			210	916.1	912.1		1
3	2	75,703	12,079	7,859	10,140	6,385	917.8	910.8	910.8	910.8	906.5	PER	7	911.2	910.2	W.Q.*	NO
	+		-				-	 				POND 4	32	911.3	910.2	DROP	-
	+		+									HWL	116	913.4	911.4	1 COURSE	4
	+		-				_	-				-	117	912.0	910.7		
	_	-	+				-	 	<u> </u>		+		118	910.7	908:4		+
	-		-								+	_	119	912.0	910.2	-	+
4	1	100 250	20 477	7 007	10.465	6 744	0:07	000.0	500.5	000 7	000.5	A-H-C	120	910.0	8.809	146 50 4	+
4	2	199,258	20,477	7,907	10,459	6,911	916.5	909.5	909.5	909.5	906.5	Anticipated	21	909.9	908.7	W.O.4	NO
			+								-	Groundwater	22	910.0	908.3	DROP	_
	+		—						_		+		141	911.0	908.7	1 COURSE	4
_	+		-								ļ		142	912.8	909.6		
-	-	04.004	10.000	0.045	44 000	0.000	0/==		0455	2111	277.	B	143	917.2	912.2	117 = 1	1
5	2	94,204	18,988	8,215	11,206	9,120	917.8	910.8	910.8	910.8	906.5	PER	ST-4	913.2	904.5 (W)	W.O.*	NO
	-		+								1	POND 4	121	910.0	908.9	DROP	
	-		-					ļ				HWL	122	911.0	908.2	1 COURSE	4
	-		1					ļ					123	911.2	908.4		-
	-		1										125	916.1	912.1		
	-	400 000	40.500	7.010	46.000		-	L			***		126	916.1	912.3		
6	2	155,675	12,836	7,618	10,576	8,135	917.8	910.1	910.1	909.5	906.5	Anticipated	124	913.2	909.0	W.O.	NO
	-							↓			1	Groundwater	127	915.8	912.5		
	-		-					1					128	916.2	912.2		-
				1		I .		1	1			1	139	910.3	9.808		1

NOTES: * INDICATES DROPPED GARAGE ELEVATIONS BASED UPON 12 COURSE BASEMENT (W) INDICATES STATIC GROUNDWATER ELEVATION LOW OPENINGS LISTED ARE REFLECTING THE REAR YARD LOW OPENING

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.

Date: 05/28/2024 License No. 41578

	E.G. RUD & SONS, INC.
EST. 1977	Professional Land Surveyors
www.egrud.com	6776 Lake Drive NE, Suite 110
	Lino Lakes, MN 55014 Tel. (651) 361-8200 Fax (651) 361-8701

DRA	WN BY: MMD	30B NO: 230743	DATE: 03/20/24
CHE	CK BY: JER	FIELD CREW:DT/CT	
1	04/17/24	CITY COMMEN	TS MME
2	05/22/24	CITY COMMEN	TS MME
3			
	1		

LIVABILITY CHART

~of~ SWEDISH CHAPEL ESTATES ~for~ MN DEVELOPMENTS, LLC. 17404 WARD LAKE DRIVE NW ANDOVER, MN 55304 (612) 799-1471

Levability Standards
All residential lots shall contain at least 29,500 square feet of land which less above the
100 year flood contour. Of this 29,500 square feet, the following additional requirements
must be present.

A. ISTS Area Each lot must contain at least 7,500 square feet of contiguous area which is reserved for both the ISTS originally constructed and a future ISTS. The ISTS Area need not be contiguous to the Eligible building Area or the Yard Area, but the entire ISTS Area need to the contiguous to the Eligible building Area or the Yard Area, but the entire ISTS Area must east at an elevation at least one fool above requirements of Rule 7080 of the Pinnesials Political Control Agenty for ISTS construction standards. The ISTS Area may be Irregular in shape, provided they do not encreach into areas reserved by easterned or otherwise for roadway, drainage or utility purposes, and provided that all of the area can be reasonably used for ISTS construction without the neef for variances.

B. Eligible Beliding Area Each lot shall contain at least 10,000 square feet of contiguous land which less at an elevation at least four feet above Unsuitable Solls. The Eligible Building Area may not be irregular in shape, and should be generally rectangular or ovoid, with no patherdles, narrow necks or peninsuitable Eligible Building Areas may not denorosch line any reasor serverce by essement otherwise for roadway, creinage or utility purposes. Pill may be used to create Eligible Building Area.

C. Yard Area Each lot shall contain at least 12,000 contiguous square feet which:

I) Lies above the 100 year flood contour, and
 ii) Lies at least one foot above solls unsuitable for the intended usage of the Yard area, and

the Yard area, and

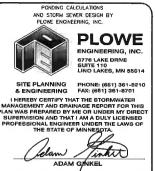
III) Is configuous to the Eligible Bullding Area for a distance of at least
fifty percent of the lineal permeter of the Eligible Bullding Area.

Yard Areas may encroach into the cedicated essement area which lies at a distance of
ten feet from the permeter of the lot, and may encroach into areas reserved by
easement or otherwise for other public utility purposes, but may not encroach into any
other area reserved by dedication or otherwise for road or drainage purposes, any may
not encroach into any areas within the 100 year food contour or into designated
websards. Yard Areas may be irregular in shape except within thinty feet of the
locations the Yard Areas shall be a logical extension or exception flow, at which
locations the Yard Areas shall be a logical extension or exception flow, at wally
rectangular or ovoid shape of the Eligible Bullding Area. Fill may be used to create
Yard Area.

E. Low Floor Elevations

I) For walkout designs, the low floor elevation shall be at least two feet above the 100 year flood cortour, but, notwithstanding the 100 year flood cortour, but, notwithstanding the 100 year flood contour, not less than one foot above unsuitable solls, es determined by the City's engineer.

I) For other designs, the low floor elevation shall be at least two feet above the 100 year flood contour, but, notwithstanding the 100 year flood contour, not less than one foot above unsuitable soils, as determined by the City's engineer.



DATE: 05.28.2024 LIC. NO. 43963

| Block | Total Lot Area | Yard Area | Septic Area (sq. ft) | Building Pac Area | Proposed Building Pac Area | Proposed Building Pac Area | Proposed Low | P 136 912.4 911.1 910.5 W.O.* N.O.* N. 9 2 67,505 18,706 HWL 10 2 67,072 2 118,310 13,457 7,972 10.001 8,179 910.1 12 2 492,959 19,972 12,438 53 909.8 909.5 20 909.4 908.2 W.O.* 1 144 916.9 912.1 DROP 145 914.4 908.6 1 COURSE 146 910.3 908.4 147 910.8 908.6 13 2 716,388 18,696 10,237 5,095
 OUTLOT B
 63,314

 1
 3
 57,014
 12,073
 920.3 913.3 913.3 913.3 906.5 2 3 53,106 15,893 7,836 13.123 3 51,626 13,782 8,102 10,161 10.161 920.3 913.3 913.3 913.3 906.5 249 915.3 909.5

Anticipated 13 913.1 912.1 W.O NO
Groundwater 242 913.4 912.2 DROP

244 914.6 912.1 COURSE

244 914.6 912.1 COURSE

245 916.8 911.6

Anticipated ST-1 914.3 SC4.5 (W) W.O NO
Groundwater 237 914.6 911.3 OROP

238 916.2 911.9

249 916.9 912.6

240 916.9 912.6

240 916.9 912.6

241 915.0 912.7 COURSE

239 916.2 911.9

241 915.0 911.7 LOURSE

Anticipated 232 912.1 911.2 LO NO
Groundwater 233 913.3 911.1 DROP

241 915.0 911.7 I COURSE

235 916.9 NONE

236 914.8 911.7 I COURSE

237 914.8 911.7 I COURSE

238 916.9 NONE 3 50,725 20,508 7.806 10.713 921.5 914.5 914.5 909 9 6 3 45,357 15,719 7,985 913,6 909.9 910.4 | 236 | 914.8 | 911.5 |
PER	12	911.0	910.0	W.O.*
POND 2	228	911.8	910.1	DROP
HWL	229	911.4	910.4	1 COURSE
230	911.9	910.7		
231	912.9	911.4	45.583 15.521 10.286 3 273,622 14,729 5,506 10,006 909.9 909.9 917.6 909.9 W.O NO	

NOTES: * INDICATES DROPPED GARAGE ELEVATIONS BASED UPON 12 COURSE BASEMENT

(W) INDICATES STATIC GROUNDWATER ELEVATION LOW OPENINGS LISTED ARE REFLECTING THE REAR YARD LOW OPENING

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.



	E.G.	RUD	8 5	ONS.	INC.
vww.egrud.com	Profe 6776 Lino	ssiona Lake D Lakes,	l Lai Prive MN	nd Surv	eyors ite 110

DRAV	WN BY: MMD	JOB NO: 230743	DATE: 03/2	0/24
CHEC	CK BY: JER	FIELD CREW:DT/CT		
1	04/17/24	CITY COMMENT	rs	ММ
2	05/22/24	CITY COMMENT	rs	ММ
3				
NO.	DATE	DESCRIPTION	4	В

LIVABILITY CHART

~of~ SWEDISH CHAPEL ESTATES ~for~ MN DEVELOPMENTS, LLC. 17404 WARD LAKE DRIVE NW ANDOVER, MN 55304 (612) 799-1471

Livability Standards

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100 year flood contour. Of this 29,500 square feet, the following additional requirements
must be present.

A .15TS Area Each Jot must contain at least 7,500 square feet of contiquous area which is reserved for both the LSTS originally constituted and a fluture STS. The LSTS Area need not be contiquous to the Biglish building Area or the Yard Area, but the entire LSTS Area must exist at an elevation at least one foot above unsuitable Solls, and must contain Undisturbed Solls or soils which meet the requirements of Rule 7080 of the Hinnescia Pollution Control Agency for ISTS construction standards. The LSTS Area may be deserved by do not encroach into areas reserved by easement or otherwise for roadway, drainage or utility purposes, and provided that all of the area can be reasonably used for ISTS construction without the need for variances.

B. Biglible Building, Area Each lot shall contain at least 11,000 square feet of contiguous land which less at an elevation at least four feet above Unsuitable Solls. The Eligible Building Area may not be irregular in Apae, and aboud be generally rectanguler or covoid, with no panhardies, narrow necks or pennsular, leighte Building Area smy onto encoreach into any areas reserved to essement or otherwise for narway, crainage or utility purposes. Fill may be used to create teligible Building Area.

C. Yard Area Each lot shall contain at least 12,000 contiguous square feet which:

Lies above the 100 year flood contour, and
 We at least one foot above soils unsuitable for the intended usage of the Yard area, and

the Yard Area, and
iii) Is configuous to the Eligible Bullding Area for a distance of at least
fifty percent of the inneal permeter of the Eligible Bullding Area.
Yard Areas may encroach into the dedicated essement area which less at a distance of
ten feet from the permeter of the lot, and may encroach into areas reserved by
easement or otherwise for other public fully purposes, but may not encroach into any
acceptance of the otherwise for other public fully purposes, the may not encroach into any
not encroach into any areas, within the 100 year food or craining purposes, any may
not encroach into any areas, within the 100 year food or craining purposes, any
wellands. Yard Areas may be the regular in shape except within thirty feet of the
locabons where the Yard Area is contiguous to the Eligible Bullding Area, at which
locations the Yard Areas shape be a logical extension or expansion of the generally
rectangular or ovoid shape of the Eligible Bullding Area. Fill may be used to create

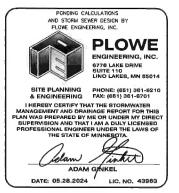
Yard Area.

E. Low Floor Elevations

Low Hoor Elevations)

) For walkout designs, the low floor elevation shall be at least two feet above the 100 year flood contour, but, notwithstanding the 100 year flood contour, not less than one foot above unsuitable soils, as determined by the City's engineer.

(i) For other designs, the low floor elevation shall be at least two feet above the 100 year flood contour, but, notwithstanding the 100 year flood contour, not not shall be at least two feet above the 100 year flood contour, but, notwithstanding the 100 year flood contour, not less than one foot above unsuitable soils, as determined by the City's engineer.

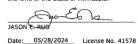


Lot	Block	Total Lot Area	Yarri Area	Septic Area (so. 6)	Bullding Pac Area	Proposed Building Pad	Garage Floor	Proposed Low	Proposed Law	Louiset Floor	Anticipated	Determining	Borino #	Roring	Mottler	Building	Curtom
	Bioon	(sq. ft.)	(sq. ft.)	(sq. fl.)	(sq. fl.)	4' Above Unsuitable (sq. ft.)	Elevation	Floor Elev.	Opening	Elevation	Elevation	Factor	Boring #	Elevation	Elevation		Graced
10	3	69,139	20,839	8,455	10,900	8,664	917.7	910.0	910.0	910.0	906.9	PER	215	913.2	911.5	W.O.	NO
		00,100	20,000	0,100	10,000	0,004	077.1	310.0	0.0.0	070.0	540.5	POND 1	216	914.7	911.2	VV.O.	140
					+							HWL	217	914.9	911.4		_
													218	915.5	911.8		
													219	915.2	911.5		
11	3	96,588	15,508	8,313	10,256	6,912	917.0	910.0	910.0	910.0	906 9	PER	ST-3	910.6	903.6(W)	W.O '	NO
												POND 1	9	910.8	910.1	DROP	
												HWL	35	911.4	910.5	1 COURSE	
													211	911.8	910.6		
													212	912.3	911.1		
													213	916.9	912.6		
							_						214	912.4	911.2		
12	3	53,438	14,194	7,977	10,185	8,825	917.0	910.0	910.0	910.0	906 9	PER	10	911.0	910.3	W.O.*	NO
-												POND 1	14	911.0	909.8	DROP	
												HWL	36	911.9	908.9	1 COURSE	
	-												204	913.6	910.6		
													205	913.1	910.1		
	-												206	911.1 911.7	909.9		\vdash
13	3	56,351	12,790	7,823	10,483	5,815	917.8	910.8	910.8	910.0	906.9	PER	37	911.7	910.0	W.O.*	110
- 10	-	20,001	12,750	7,023	10,403	5,515	917.0	810.6	810.5	910.0	900.9	POND 1	202	912.9	911.4	DROP	NO
												HWL	202	914.3	911.4	1 COURSE	
	-											HIVAL	205	911.9	910.2	LCORNSE	\vdash
	1		-										209	911.6	910.5		
14	3	65,131	18,261	7,796	11,011	7,912	916.9	909.9	909.9	909.9	906.9	Anticipated	19	911.6	910.6	W.O.	NO
		, 141		.,100	,011	, w te.	0.0.0	000.0	200.0	000.0	200.0	Groundwater	198	911.3	909.9	DROP	
	T												199	910.9	909.7	1 COURSE	
											1		200	912.9	910.9		-
													201	912.5	910.8		
15	3	69,797	18,620	8,079	10,511	9,123	917.7	910.0	910.0	909.9	906 9	Anticipated	18	910.7	909.6	W.O.	NO
					- 1,1	-11-5		2.00	0.000			Grourowater	193	911.4	910.3		
													194	913.6	910.6		
	i -												195	916.9	912.7		
													196	914.0	910.3		
													197	911.2	910.1		
16	3	44,880	21,402	8,288	10,049	10,049	919.5	912.5	915.7	909.9	906 9	Anticipated	158	914.7	911.7	L.O.*	NO
												Groundwater	159	915.0	912.8	DROP	
													160	917.4	912.8	1 COURSE	
													161	915.3	913.3		
													162	915.4	912.7		
17	3	47,906	14,400	7,899	10,901	10,901	918.8	912.5	915.7	909.5	906.5	Anticipated	155	913.2	909.7	L.O.*	NO
												Groundwater	156	912.9	909.9	DROP	
													157	915.8	912.3	2 COURSE	
										_			163	915.9	912.9		
													164	915.1	912.4		
18	3	47,208	15,445	8.018	10,090	10.090	918.0	911.0	914.2	909.5	906.5	Anlıcıpaled	40	912.3	911.1	L.O.	NO
												Groundwater	152	911.9	910.8	DROP	
ļ													153	912.4	910.6	1 COURSE	
	_		-										154	912.8	909.8		
													165	915.4	912 1		
19	3	43,750	19,301	7.778	10,038	10,038	000.5		212.2				166	914,4	910.9		L
18	3.	43,750	19,301	7,770	10,038	10,038	922.5	915.5	915.5	909.9	906.9	Anticipated	ST-2	917.3	905.3(W)	W.O.*	NO
-	_		-									Groundwater	167 168	915.4 916.0	912.7 912.3	DROP 1 COURSE	
-													169	916.8	913.1	LOURSE	
	 												170	912.6	911.6		
	1				-		-						171	912.3	911.0		\vdash
20	3	65,387	20,806	7,980	10,909	8,387	917.7	910.0	910.0	909.9	906.9	Anticipated	188	914.7	911.4	W.O.	NO
	-	04,007	10,000	1,040	10,000	0,007		5,0.0	510.0	300.3	000.0	Groundwater	189	916.0	913.0	¥¥.O.	140
							1	-				Cidationator	190	915.8	913.6		\vdash
	1						1	1					191	912.2	911.2		\vdash
													192	911.0	909.8		\vdash
21	3	141,008	22,817	7,786	11,694	5,816	918.5	911.5	911.5	911.3	906.9	PER	17	911.5	910.8	w.o.	NO
												POND 7	39	911.6	910.9	DROP	
							1					HWL	178	914.8	911.1	1 COURSE	
													179	914.5	911.0		
													180	912.0	910.9		
													181	911.4	910.4		
	-												182	911.9	910.8		
	-												183	912.3	911.0		
22	3	47,937	25,289	7,997	10,386	7,087	918.7	911.7	911.7	911.3	906.9	PER	175	914.2	911.0	W.O.*	NO
												POND 7	176	914.2	910.7	DROP	
	1											HWL	177	912.6	911.4	1 COURSE	
	-												184	912.0	910.7		\vdash
- 22	3	45.000	00.700	7.740	40.004	10.00	400.0	210.4	212.2	200.0			185	913.0	909.7	(4) 4	170
23	3	45,626	20,364	7,718	10,334	10,334	920.8	913.8	913.8	909.9	906.9	Anticipated	16	912.2	911.4	W.O.*	NO
	_											Groundwater	41	912.7	910.2	DROP	\vdash
										<u> </u>	!	ļ	172	912.1	910.9	1 COURSE	\vdash
	-												173	913.0	911.3		\vdash
	_		-						_	-		-	174	915.0	911.0		\vdash
-	-		-				-						186	912.5	910.3		\vdash
24	3	58,259	24,237	8,350	10,265	10.265	920.8	914.5	914,5	000 5	002.5	Antini	187	912.2	910.5	101.5.1	⊢ ,,
24	J .	30,238	44,431	0,380	10,265	10,265	820.8	914.5	814,5	909.5	906.5	Anticipated	15	913.0	911.9	W.O.*	NO
	_	-		_				-	 	-	-	Groundwater	148 149	915.7	911.2 912.1		\vdash
								-					150	915.4 917.3	912.1	2 COURSE	+
							 	—					151	914.8	911.8	_	+
OUTLOT C		3,696		NA NA	NA NA	NA NA	NA NA	NA NA	NA	NA NA	NA NA	NA	.01	0.4.0	971.0		\vdash
OUTLOTA		151,367		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	-				\vdash
															1	1	

Highest Low Floor

NOTES: * INDICATES DROPPED GARAGE ELEVATIONS BASED UPON 12 COURSE BASEMENT LOW OPENINGS LISTED ARE REFLECTING THE REAR YARD LOW OPENING

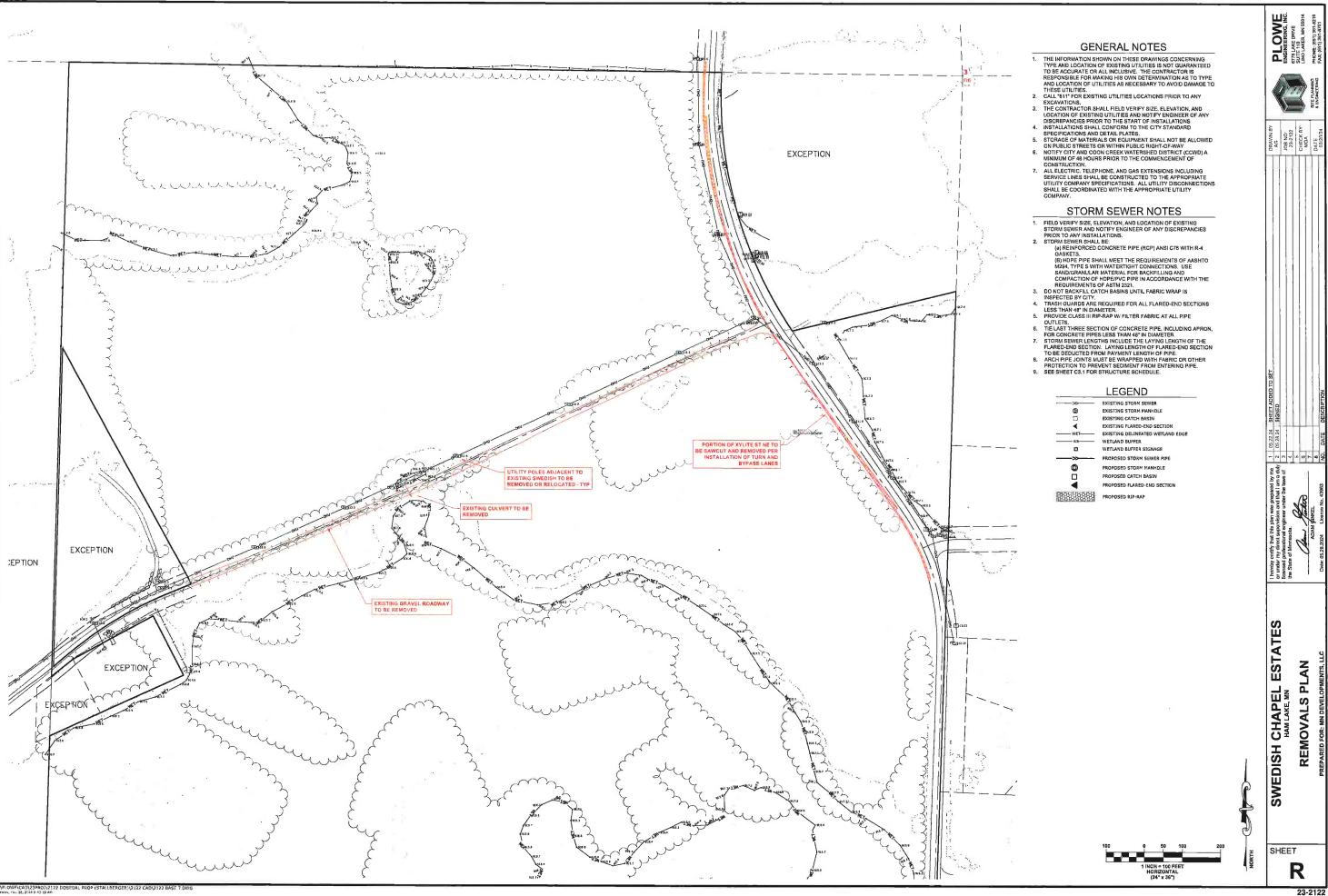
I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.

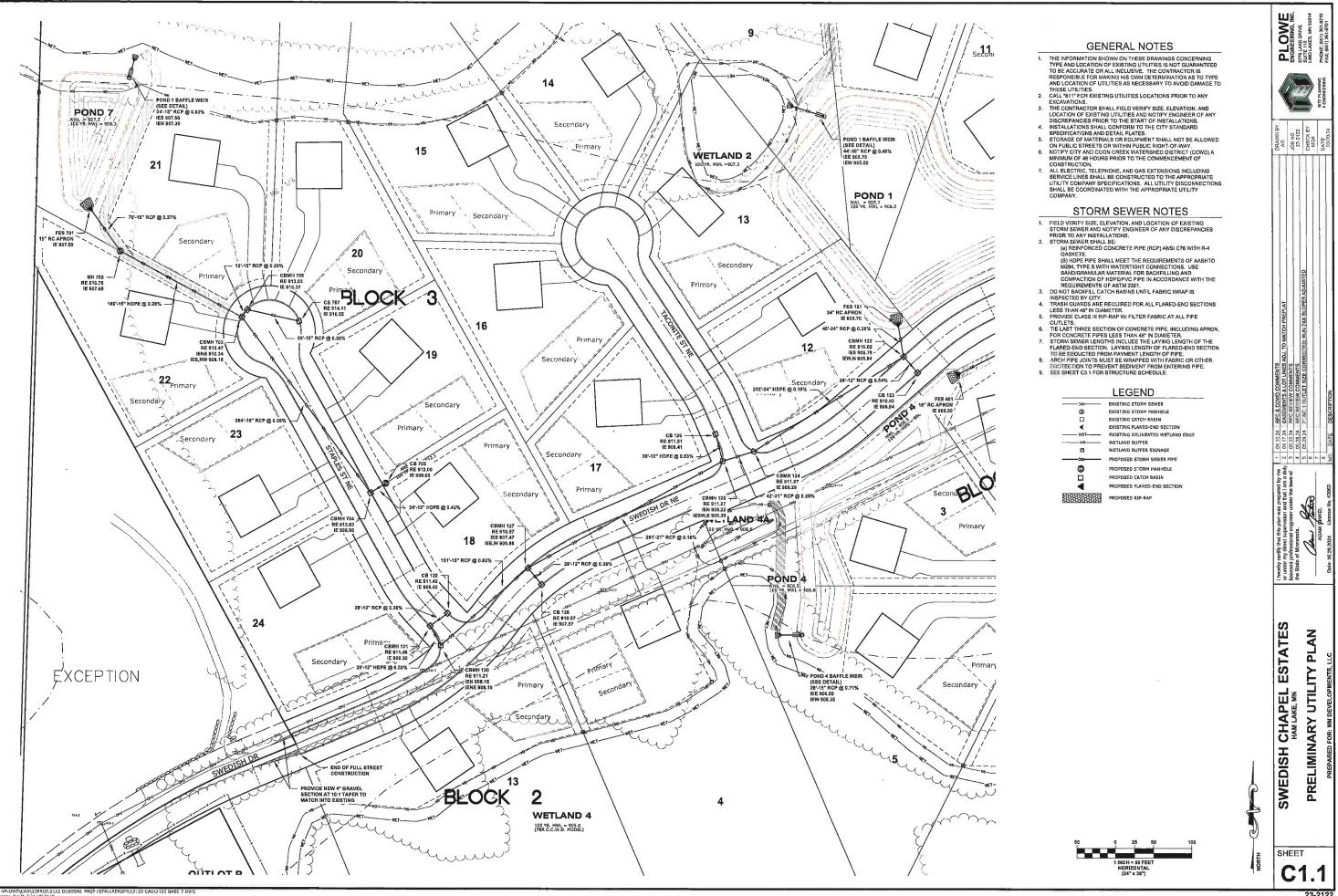


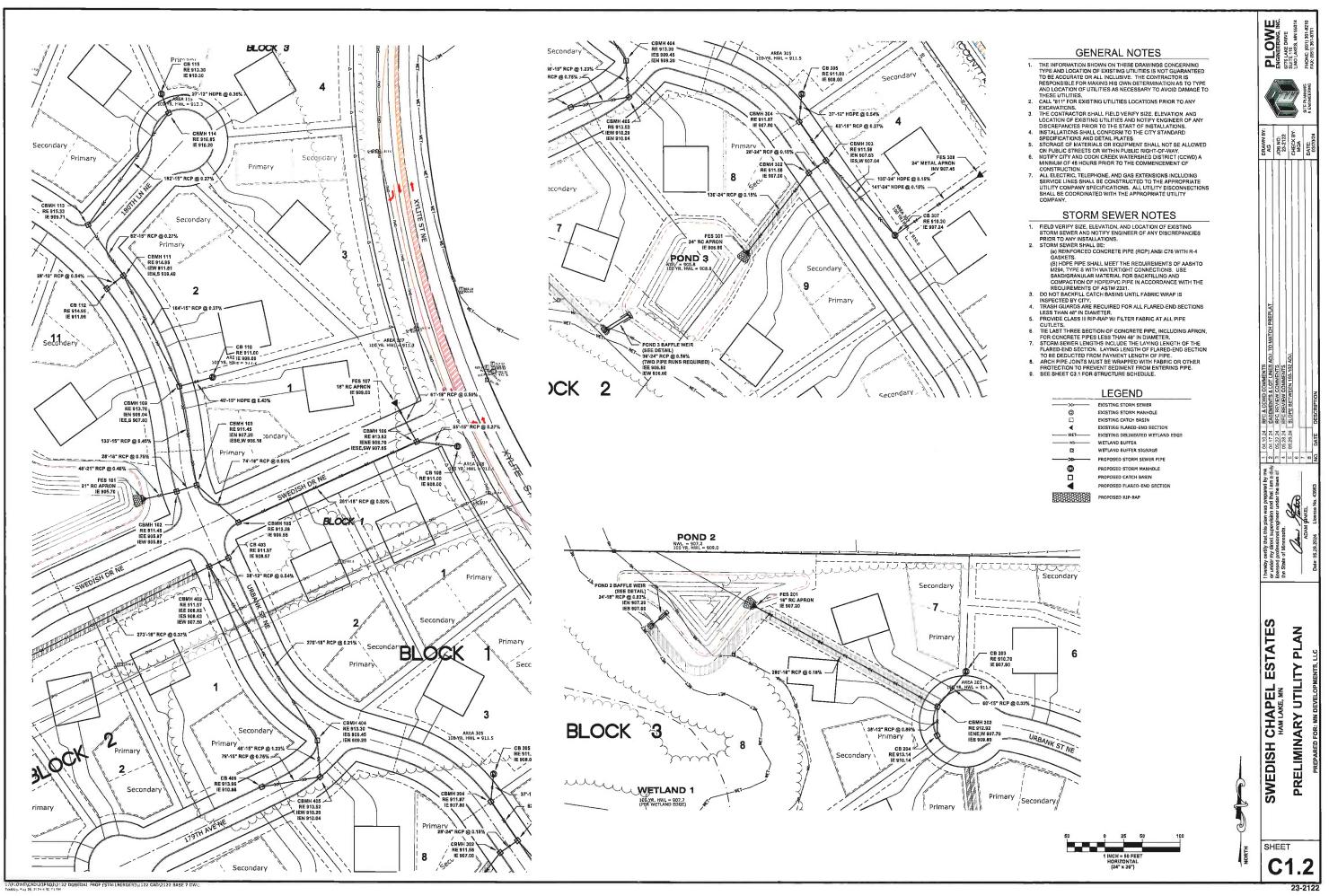
or report was prepared by n my direct supervision and th a duly Registered Land Surv the laws of the State of Mini
JASON E-RUB

E.G. RUD & SONS, INC. Professional Land Surveyors 6776 Lake Drive NE, Suité 110 Lino Lakes, MN 55014 Tel. (651) 361-8200 Fax (651) 361-8701

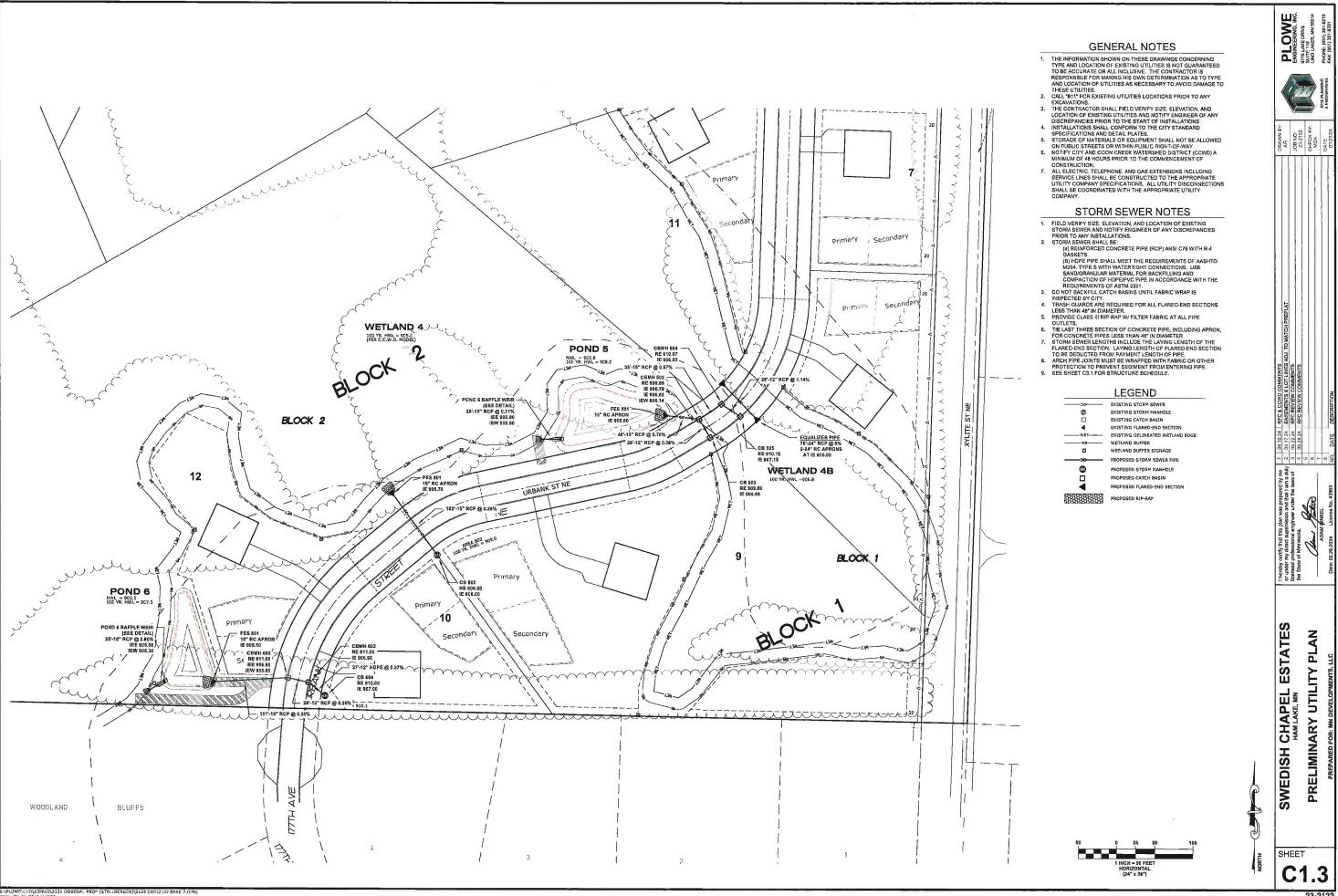
ORA!	WN BY: MME	JOB NO: 230743	DATE: 03/2	0/24
CHE	CK BY: JER	FIELD CREW: DT/CT		
1	04/17/24	CITY COMMEN	TS	мм
2	05/22/24	CITY COMMEN	TS	ММ
3				
NO.	DATE	DESCRIPTIO	N	RY







:



PROJECT TITLE SWEDISH CHAPEL ESTATES			
PROJECT LOCATION 2508 SWEDISH DR NE HAM LAKE, MN 55304 ANDKA COUNTY			
LATITUDE: 45.29521 LONGITUDE: -93.20970			
DEVELOPER MN DEVELOPMENTS, LLC 17404 WARD LAKE DR NW ANDOVER, MN 55304			
CONTACT NAME: JEFF STALLBER CONTACT PHONE: (612) 779-1471 CONTACT E-MAIL stally68@msn.col	-		
GENERAL CONTRACTOR TRD			
NARRATIVE - PERMANENT STORMWATER 1 PERMANENT STORMWATER MANAGEM PONDS, SEE "STORMWATER DRAINAGE	ENT FEATURES W	ILL INCLUDE	SEVERAL N
SITE IMPERVIOUS AREAS	BEFORE		AFTER
ANALYZED AREA	CONSTRUCTION	ON CONS	TRUCTION
TOTAL ESTIMATED IMPERVIOUS	D.68 ACRES	11.42 ACRES	05 ACRES
TOTAL ESTIMATED PERVICUS	110.53 ACRE	<u> </u>	37 ACRES
IOTAL DISTURBED AREA -34.0 ACRES	TO A SALE	5 10.	J. Nonce
TOTAL DISTURBED AREA -34.0 ACRES SITE MAP W. EXISTING AND FINAL GRADES SEE "STORWWATER DRAINAGE REPOR DENOTING DRAINAGE AREA BOUNDAR! WHERE STORWWATER LEAVES THE SIT	AND DESIGN CAI I' FOR EXISTING . ES, DIRECTIONS !	CULATIONS	SED AREA M
TOTAL DISTURBED AREA -94.0 ACRES SITE MAP WI EXISTING AND FINAL GRADES SEE 'STORWWATER DRAINAGE REPOR DENOTING DRAINAGE AREA SOUNDAR! WHERE STORWWATER LEAVES THE SIT	AND DESIGN CAI F FOR EXISTING F. DIRECTIONS (CULATIONS AND PROPOS OF FLOW, AN	SED AREA M D DISCHARG
TOTAL DISTURBED AREA -94.0 ACRES SITE MAP W. EXISTING AND FINAL GRADES SEE "STORWWATER DRAINAGE REPOR DENOTING DRAINAGE AREA BOUNDAR! WHERE STORWWATER LEAVES THE SITE RECEIVING WATERS WITHIN ONE MILE NAME OF WATER BODY	AND DESIGN CAI IT FOR EXISTING ES, DIRECTIONS (E. TYPE OF WATER BODY	CULATIONS AND PROPOS OF FLOW, AN SPECIAL WATER	SED AREA M D DISCHARO IMPAIRED WATER
TOTAL DISTURBED AREA -94.0 ACRES SITE MAP WI EXISTING AND FINAL GRADES SEE 'STORWWATER DRAINAGE REPOR DENOTING DRAINAGE AREA SOUNDAR! WHERE STORWWATER LEAVES THE SIT	AND DESIGN CAI F FOR EXISTING F. DIRECTIONS (CULATIONS AND PROPOS OF FLOW, AN	SED AREA M D DISCHARG
TOTAL DISTURBED AREA -94.0 ACRES SITE MAP W. EXISTING AND FINAL GRADES SEE "STORWWATER DANNAGE REPOR DENOTING DRAINAGE AREA BOUNDAR! WHERE STORWWATER LEAVES THE SIT RECEIVING WATERS WITHIN ONE MILE NAME OF WATER BODY LINNAMED WETLANDS COUNTY DITCH 58 COUNTY DITCH 58	AND DESIGN CAI IF FOR EXISTING ES, DIRECTIONS (E. TYPE OF WATER BODY WETLAND DITCH DITCH	CULATIONS AND PROPOSO F FLOW, AN SPECIAL WATER NO NO NO	IMPAIRED WATER NO NO NO
TOTAL DISTURBED AREA -94.0 ACRES SITE MAP WI EXISTING AND FINAL GRADES SEE "STORWIMATER DEANINGE REPOR DENOTING ORNANCE AREA BOUNDARI WHERE STORMWATER LEAVES THE SII RECEIVING WATERS WITHIN ONE MILE NAME OF WATER BODY LINNAMED WETLANDS COUNTY DITCH 58	AND DESIGN CAI T FOR EXISTING ES, DIRECTIONS E E. TYPE OF WATER BODY WETLAND DITCH	CULATIONS AND PROPOS PFLOW, AN SPECIAL WATER NO NO	IMPAIRED WATER NO NO
TOTAL DISTURBED AREA -34.0 ACRES SITE MAP W EXISTING AND FINAL GRADES SEE "STORNWATER DEANNAGE REPOR DENOTING GRAINAGE AREA BOUNDARI WHERE STORNWATER LEAVES THE SIT RECEIVING WATERS WITHIN ONE MILE NAME OF WATER SODY UNIXAMED WETLANDS COUNTY DITCH 58 COUNTY DITCH 58 COUNTY DITCH 58 COUNTY DITCH 58 COUNTY DITCH 58 COON LAKE BUFFER TO SURFACE WATER IF THE SITE DRAINS TO A SU YES NO NA INTERNATIONAL BUFFERS A NOTE: NATURAL BUFFERS A NOTE: NOTE BUFFERS A NOTE NATURAL BUFFERS A NOTE: NATURAL BUFFERS A NOTE BUFFERS A NOTE SOTE BUFFERS A NOTE NOTE BUFFERS A NOTE BUFFERS A NOTE SOTE BUFFERS A NOTE BUFFERS A	AND DESIGN CAI IF FOR EXISTING, S. DIRECTIONS I E. TYPE OF WATER BODY WETLAND DITCH DITCH LAKE RFACE WATER, IS A	CULATIONS AND PROPOSO P FLOW, AN SPECIAL WATER NO NO NO NO AN	IMPAIRED WATER NO NO YES
TOTAL DISTURBED AREA -94.0 ACRES SITE MAP W. EXISTING AND FINAL GRADES SEE "STORWWATER DRAINAGE REPOR DENOTING DRAINAGE AREA SOUNDAR! WHERE STORWWATER LEAVES THE SIT RECEIVING WATERS WITHIN ONE MILE NAME OF WATER BODY LINNAMED WETLANDS COUNTY DITCH 58 COUNTY DITCH 28 COUNTY DITCH 28 COUNTY DITCH 28 LOUNTY DITCH 28 LO	AND DESIGN CAI T FOR EXISTING ES, DIRECTIONS (E. TYPE OF WATER BODY WETLAND DITCH DITCH LAKE RFACE WATER, IS A REVED? RE NOT REQUIRED DITCHES, STORMS SEDIMENT BASINS	CULATIONS AND PROPOS OF FLOW, AN SPECIAL WATER NO NO NO A ADJACENT TO VATER CONTINUE CHIEVED, RE	IMPAIRED WATER NO NO YES RAL BUFFER A D ROAD DITC: YANCE CHAIR

BUFFER TO SU	RFACE WATER
YES NO N/A	IF THE SITE DRAINS TO A SURFACE WATER, IS A SO-FT NATURAL BUFFER ADJACENT TO THE SURFACE WATER PRESERVED?
110 110 101	NOTE: NATURAL BUFFERS ARE NOT REQUIRED ADJACENT TO ROAD DITCHES, JUDICAL DITCHES, COUNTY DITCHES, STORMWATER CONVEYANCE CHANNELS, STORM DRAIN INJETS, AND SEMIMENT RACINS.

VES NO NA THROUGH 16.217

A) THE SITE HAS SANDY SOILS WITH A RELATIVELY HIGH WATER TABLE AND IS UNSUITABLE FOR INFLITATION BMBS.

ADDITIONAL STORMWATER MITIGATION MEASURES

ARE THERE ANY STORMWATER MITIGATION MEASURES PER: ENVIRONMENTAL REVIEW DOCUMENT?

ENDANGERED SPECIES REVIEW?

ARCHAEOLOGICAL REVIEW?

OTHER LOCAL, STATE OR FEDERAL REVIEW?

INTERLOCAL, STATE OR FEDERAL REVIEW?

IF YES TO ANY OF THE ABOVE, DESCRIBE THE MITIGATION MEASURES. FOR PURPOSES OF THIS PERMIT, MITIGATION MEASURES MEANS ACTIONS MECESSARY TO AVOID, MINMAZE, OR MITIGATE FOR IMPACTS RELATED TO EROSSION PREVENTION, SEDIMENT CONTROL, THE FERMANENT STORMWATES TREATIENT SYSTEM, POLLUTION PREVENTION MANAGEMENT MEASURES AN DISCHARGES ASSOCIATED WITH THE PROJECTS CONSTRUCTION ACTIVITY.

DOCUMENTATION OF TRAINED INDIVIDUALS

INDIVIDUAL WHO PREPARED THE SWPPP. ADAM GINKEL PLOWE ENGINEERING, INC. 6776 LAKE DRIVE LING LAKES MN 55014 (651) 361-8234 adam@plowe.com

. INDIVIDUAL(S) OVERSEEING IMPLEMENTATION OF, REVISING AND/OR AMENDING THE SWPPP AND INDIVIDUALS PERFORMING INSPECTIONS FOR THE PROJECT. ONE OF THESE INDIVIDUALS MUST SE AVAILABLE FOR AN ONSTRE INSPECTION WITHIN 72 HOURS UPON REQUEST BY THE MPCA. [MINN. R. 7680]

CONTACT NAME	 	
CONTACT PHONE		
CONTACT E-MAIL.		

C. INDIVIDUAL(S) PERFORMING OR SUPERVISING THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS. [MINN. R. 7090]

CONTACT NAME	
CONTACT PHONE	
CONTACT E-MAIL:	

LONG TERM OPERATION AND MAINTENANCE OF PERMANENT STORMWATER FACILITIES THE PROPOSED STORMWATER MANAGEMENT FEATURE FOR THIS SITE IS AN INFILTRATION BASIN AND WILL BE PRIVATELY OWNED AND MAINTAINED.

REVEGETATION SPECIFICATIONS

ITEM	MNDOT SPECIFICATION/NOTES
SOD	3878
SEED **	3876
* FOR TURF ESTABLISHMENT COMMERCIAL T RESIDENTIAL T	
TEMPORARY FALL CO SPRING/SUM SOIL-BUILDING CO 1-2 YEARS CO 2-5 YEARS CO	MER MNDOT MIX 21-111 (100 LBS/ACRE) VER MNDOT MIX 21-113 (110 LBS/ACRE) VER MNDOT MIX 22-111 (30.5 LBS/ACRE)
MULGH	3882 (TYPE 1 - DISC ANCHORED)
HYDROMULCH	3884
FERTILIZER .	3881
WOOD FIBER BLANKET	3685 (CATEGORY 2)

MOW A MINIMUM OF RESIDENTIAL TURF - ONCE PER 2 WEEKS COMMERCIAL TURF - ONCE PER 4 WEEKS

** SEEDED AREAS SHALL BE EITHER MULCHED OR COVERED BY FIBROUS BLANKETS TO PROTECT SEEDS AND LIMIT FROSION

QUANTITIES - ESTIMATED QUANTITIES FOR EROSION AND SEDIMENT CONTROL MEASURES

TYPE	YTP	UNIT
SILT FENCE		LINEAR FEET
BIO-ROLLS		EACH
RIP-RAP W. GEO-FABRIC		CUBIC YARDS
CATCH BASIN INLET PROTECTION		EACH
STABILIZED RIPRAP OVERFLOW		EACH
EROSION CONTROL BLANKET		SQUARE YARDS
SEED & MULCH (GENERAL)		ACRE
ROCK CONSTRUCTION ENTRANCE		EACH

NARRATIVE - TIMING FOR INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES

RRATIVE - TIMING FOR INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES

A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND SWPPP
MUST BE AVAILABLE ON THE PROJECT SITE AT ALL TIMES.

CONTRACTOR SHALL INSTALL BILT FENCE AS SHOWN ON PLAN.

2.1. ADDITIONAL SILT FENCE MAY BE NECESSARY IF LOCAL CONDITIONS REQUIRE.

2. THE CONTRACTOR SHALL MAINTAIN SILT FENCE, INCLUDING THE REMOVAL OF
ACCUMULATED SEDIMENT, THROUGH COMPLETION OF BUILDING CONSTRUCTION.

2. SILT FENCE SHALL REMAIN INPLACE UNTIL SITE FAM SEEDS TABILIZED.

CONTRACTOR SHALL INSTALL A ROCK CONSTRUCTION ENTRANCE AT ALL LOCATIONS

CONTRACTOR TO INSTALL THE PROTECT FOR THE STATE OF THE CONTRACTOR TO THE SHALL FER PROTECT OF THE STATE OF THE STATE OF THE SHALL FER PROTECT OF THE STATE OF THE STATE OF THE SHALL FER PROTECT OF THE STATE OF

E. CONTRACTOR SHALL PERFORM SITE GRADING ON AN AREA-BY-AREA BASIS TO MINIMIZE UNSTABILIZED AREAS.
5.1. CONTRACTOR MUST IMMEDIATELY INITIATE STABILIZATION OF EXPOSED SOIL AREAS, AS DESCRIBED IN ITEM AS OF THE PERMIT, AND COMPLETE THE STABILIZATION WITHIN 24 HOURS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE TEMPORABILY OF REMANANTHY CEASES.
5.2. CONTRACTOR TO PROVIDE TEMPORARY SEDIMENTATION BASINS AS REQUIRED IN SECTION 14.1 THROUGH 14.10.
6. CONTRACTOR TO SHALL PAY SPECIAL ATTENTION TO ADJACENT PROPERTY LINES TO ENSURE THE EROSION CONTROL PRACTICES INFLACE IN THOSE AREAS PREVENT MIGRATION OF SEDIMENT ATTO ADJACENT PROPERTY LINES TO ENSURE THE EROSION CONTROL PRACTICES INFLACE IN THOSE AREAS PREVENT MIGRATION OF SEDIMENT ONT ADJACENT PROPERTY LINES TO ENSURE THE EROSION CONTROL PRACTICES INFLACE IN THOSE AREAS PREVENT MIGRATION OF SEDIMENT ONT ADJACENT PROPERTY.

7. MELEMENTED IN THE FIELD SHALL IS IN ACCORDANCE WITH THE CITY AND IN PIES PHASE II PERMIT REQUIREMENTS. IS IT SENCE IS BIORGILLS, EROSION CONTROL BLANKET, OR OTHER APPROVED EQUAL FOR ANY SLOPES THAT APPEAR TO BE FAILING.

FAILING

CONTRACTOR TO STABILIZE SOIL STOCKPILES; STABILIZATION SMALL BE INITIATED IMMEDIATELY

OUTRACTOR SHALL FINAL GRADE SWALE AREAS UPON STABILIZATION OF UPSTREAM AREAS.

AREAS

11. CONTRACTOR SHALL BE RESPONSIBLE TO SWEEP/SCRAPE ADJACENT STREETS WHEN MATERIALS OR DEBRIS HAVE WASHED/FLOWED ONTO ADJACENT STREETS OR AS

DIRECTED BY CITY

12. COORDINATE SMALL UTILITIES INSTALLATIONS (GAS, PHONE, ELECTRIC, CABLE, FIBEROPTIC, ETC.) AFTER PAVEMENT INSTALLATION.

BEST MANAGEMENT PRACTICES (BMPS)* MEANS THE MOST EFFECTIVE AND PRACTICABLE MEANS OF EROSIGN PREVENTION AND SEDIMENT CONTROL. AND WATER QUALITY MANAGEMENT PRACTICES THAT ARE THE MOST EFFECTIVE AND PRACTICABLE MEANS OF TO CONTROL, PREVENT, AND MINIMIZED DEGRADATION OF SURFACE WATER, INCLUDING AVOIDANCE OF IMPACTS, COLOS TRUCTION-PHASINO, MINIMIZED RIFE LENGIS OF TIME SOIL AREAS REEZEN CASE. "HORIBITIONS, POLUTION PREVENTION THROUGH GOOD AREAS REEZEN CASE." HORIBITIONS, POLUTION PREVENTION THROUGH GOOD TO CONTROL PROPERTY OF THE MOST AND AREAS PROPERTY. DESIGNATED AREA-WIDE PLANNING AGENCIES, IMINN. R. 70901

CONSTRUCTION ACTIVITY MEANS ACTIVITIES INCLUDING CLEARING, GRADING, AND EXCAVATING, THAT RESULT IN LAND DISTURBANCE OF EQUAL TO OR GREATER THAN ONE EXCAVATING. THAT DESULT IN LAND DISTURBANCE OF EQUAL TO OR GREATES THAN ONE ACRE. INCLUDION THE DISTURBANCE OF LESS THAN ONE ACRE OF TOTAL LAND AREA CARE, INCLUDION THE DISTURBANCE OF LESS THAN ONE ACRE OF TOTAL LAND AREA THAT IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE IF THE LARGER COMMON PLAN WILL LUTIMATE USITURS EQUAL TO GREATER THAN ONE ACRE. THIS INCLUDES A DISTURBANCE TO THE LAND THAT RESULTS IN A CHANGE IN THE INCLUDES A DISTURBANCE TO THE LAND THAT RESULTS IN A CHANGE IN THE EXISTING SOIL COPER, BOTH VECEFATIVE AND NONVEGETATIVE, OR THE EXISTING SOIL COPER, BOTH VECEFATIVE AND NONVEGETATIVE, OR THE EXISTING SOIL OF ORGANIC THAT MAY DESULT IN ACCELERATED STORMWATER RUNOFF THAT MAY LEAD TO SOIL EROSION AND MOVEMENT OF SEDIMENT, CONSTRUCTION ACTIVITY DOES MOT INCLUDE A DISTURBANICE TO THE LAND OF LESS THAN FIVE ACRES FOR THE PURPOSE OF ADJUTIME MAINTENANCE DOES NOT DISTURBANCE OF ACTIVITY. AND OSIGINAL PURPOSE OF THE FACILITY.
ROUTINE MAINTENANCE DOES NOT INCLUDE ACTIVITIES SUCH AS REPAIRS, REPLACEMENT AND OTHER TYPES OF NON-ROUTINE MAINTENANCE. INVENMENT REPAIRS INTO THAT DOES NOT DISTURB THE UNDERSTRYING SOILS, ELG., MILL AND OVERLAY PROJECTS) IS NOT CONSTRUCTION ACTIVITY. JAINN IN 70501.
DEWAYTERING WARASS THE RESOURCE OR GROUND WATER TO DRY AND/OR

"DEWATERING" MEANS THE REMOVAL OF SURFACE OR GROUND WATER TO DRY AND/OR SOLDIEY A CONSTRUCTION STEET OF EARLIE CONSTRUCTION ACTION STEET OF EARLIE CONSTRUCTION ACTIVITY, DEWATERING MAY REQUIRE A WINNESOTA DEPARTMENT OF PATURAR RESOURCES WITH A PRPOPRIATION PERMIT AND, IF DEWATERING WATER IS CONTAMINATED, DISCHARGE OF SUCH WATER MAY REQUIRE AN INDIVIDUAL MORE AFFORM STEMM ; R. 7080]

'GENERAL CONTRACTOR' MEANS THE PARTY WHO SIGNS THE CONSTRUCTION CONTRACT WITH THE OWNER TO CONSTRUCT THE ENTIRE PROJECT DESCRIBED IN THE FINAL PLANS WITH THE PROMER TO CONSTRUCT THE ENTIRE PROJECT DESCRIBED IN THE FINAL PLANS AND SPECIFICATIONS. WHERE THE CONSTRUCTION PROJECT INVOLVES MORE THAN ONE CONTRACTOR, THE GENERAL CONTRACTOR IS THE PARTY RESPONSIBLE FOR MANAGING THE ENTIRE PROJECT OF THE OWNER IN SOME CASES, THE OWNER IS THE GENERAL CONTRACTOR. IN THESE CASES, THE OWNER SIGNS THE PERMIT APPLICATION AS THE OPERATOR AND BECOMES THE SOLD PERMITTEE, MININ. R. 7080]

'GROUNDWATER' MEANS THE WATER CONTAINED BELOW THE SURFACE OF THE EARTH IN THE SATURATED ZONE INCLUCING, WITHOUT LIMITATION, ALL WATERS WHETHER UNDER CONFINED, UNCONFINED OF PERCHED CONDITIONS, IN NEAR SURFACE UNCONSOLID SEDIMENT OR REGOLITH, OR IN ROCK FORMATIONS DEEPER UNDERGROUND. [MINN 7060]

"HOMEOWNER FACT SHEET" MEANS AN MPCA FACT SHEET AVAILABLE ON THE MPCA CONSTRUCTION STORMWATER WEBSITE FOR PERMITTEES TO GIVE TO HOMEOWNERS AT THE TIME OF SALE, IMIN, R, 7050)

INFE INFE OF SEE, [MINN, R. 7989]

INFEASIBLE" MEANS NOT TECHNOLOGICALLY POSSIBLE OR NOT ECONOMICALLY

PRACTICABLE AND ACHIEVABLE IN LIGHT OF THE BEST INDUSTRY PRACTICES. [MINN, R.

'INITIATED IMMEDIATELY' MEANS TAKING AN ACTION TO COMMENCE SOIL STABILIZATION AS SOON AS PRACTICABLE, BUT NO LATER THAN THE END OF THE WORK DAY, FOLLOWING HEE DAY WHEN THE LAND-DISTURBING ACTIVITIES TEMPORARING YOR PERMANENTLY CEASE, IF THE PERMITTEES KNOW THAT CONSTRUCTION WORK ON THAT PORTION OF THE STEE WILL BE TEMPORARILY CEASE FOR IT OR IT OR MORE ADDITIONAL CALEDAR DAYS OR TO CALENDAR DAYS WHERE ITEM 233 APPLIES, PERMITTEES CAN INITIATE STABILIZATION BY.

A. PREPPING THE SOIL FOR VEGETATIVE OR NON-VEGETATIVE STABILIZATION, OR B. APPLYING MULCH OR OTHER NON-VEGETATIVE PRODUCT TO THE EXPOSED SOIL AREA: OR

C. SEEDING OR PLANTING THE EXPOSED AREA: OR

D. STARTING ANY OF THE ACTIVITIES IN A $^\circ$ C on a portion of the area to be stabilized, but not on the entire area; or

E. FINALIZING ARRANGEMENTS TO HAVE STABILIZATION PRODUCT FULLY INSTALLED IN COMPLIANCE WITH THE APPLICABLE DEADLINE FOR COMPLETING STABILIZATION. [MINN. R. 7090]

[MINN. R. 7090]

"IMPERVIOUS SURFACE" MEANS A CONSTRUCTED HARD SURFACE THAT EITHER PREVENTS
OR RETARDS THE ENTRY OF WATER WITD THE SOIL AND CAUSES WATER TO RUN OFF THE
SURFACE IN GREATER QUANTIES AND AT AN INCREASED RATE OF FLOW THAN PRIOR TO
DEVELOPMENT. EXAMPLES INCLUDE RC-PTOPS, SIDEWALKS, DRIVEWAYS, PARKING LOTS,
AND CONCRETE. ASPHALT, OR DRAVEL FACABLE, BRIDGES OVER SURFACE WATERS ARE
CONSIDERED IMPERVIOUS SURFACES. [MINN. R. 7090]

"NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)" MEANS THE PROGRAM FOR ISSUING, MODIFYING, REVOKING, REISSUING, TERMINATING, MONITORING, AND ENFORCING PERMITS UNDER THE GLEAN WATER ACT, AS AMENDED (33 U.S.C. 1251 ET SED. SECTION 1342 AND 40 CFF PARTS 122, 123, 124 AND 450], [MINN R, 7:090].

"ATURAL BUFFER" MEANS AN AREA OF UNDISTURBED COVER SURROUNDING SURFACE WATERS WITHIN WHICH CONSTRUCTION ACTIVITIES ARE RESTRICTED. NATURAL BUFFER INCLUDES THE VEGETATION. EXPOSED ROCK, OR BARREN GROUND THAT EXISTS PRIOR TO COMMENCEMENT OF EARTH-DISTURBING ACTIVITIES. (MINN. R. 7090) "NOTICE OF TERMINATION (NOT)" MEANS THE FORM (ELECTRONIC OR PAPER) REQUIRED FOR TERMINATING COVERAGE UNDER THE CONSTRUCTION GENERAL PERMIT, MINN, R.

"OPERATOR" MEANS THE PERSON (USUALLY THE GENERAL CONTRACTOR), FIRM, GOVERNIVENTAL AGENCY, OR OTHER ENTITY DESIGNATED BY THE OWNER WHO HAS DAY TO DAY OPERATIONAL CONTROL ANDIOR THE ABILITY TO MODIFY PROJECT PLANS AND SPECIFICATIONS RELATED TO THE SWPPP. THE PERMIT APPLICATION MUST LIST THE OPERATOR AS A PERMITTEE. SUBGONTRACTORS HIRED BY AND UNDER SUPERVISION OF THE GENERAL CONTRACTOR ARE NOT OPERATORS. [MINN. R. 7090]

"OWNER" MEANS THE PERSON, FIRM, GOVERNMENTAL AGENCY, OR OTHER ENTITY POSSESSING THE TITLE OF THE LAND ON WHICH THE CONSTRUCTION ACTIVITIES WILL OCCUR OR, IF THE CONSTRUCTION ACTIVITY IS ON A LEASE, EASEMENT, OR MINERAL RIGHTS LICENSE HOLDER, THE PARTY OR INDIVIDUAL IDENTIFIED AS THE LEASE, EASEMENT OR MINERAL RIGHTS LICENSE HOLDER, THE PARTY OR INDIVIDUAL IDENTIFIED AS THE LEASE. EASEMENT OR MINERAL RIGHTS LICENSE HOLDER: OR THE CONTRACTING
AGENCY RESPONSIBLE FOR THE CONSTRUCTION ACTIVITY, [MINN, R. 7690]

AGENCY RESPONSIBLE FOR THE CONSTRUCTION ACTIVITY, IMMN. R. 7:5091

**PERMANENT COVER* MEANS SURFACE TYPES THAT WILL PREVENT SOIL FAILURE UNDER EROSIVE CONDITIONS. EXAMPLES INCLUDE: GRAVEL. CONCRETE, PERENNIAL COVER, OR OTHER LANDSCAPED MATERIAL THAT WILL PERMANENTLY ARREST SOIL BROSION. PERMITTEES MUSIT ESTABLISH A UNIFORM PERENNIAL VOSETIVE COVER, ILE, EVENLY DISTRIBUTED. WITHOUT LANGE BARE ARREAS) WITH A DENSITY OF 70 PERGENT OF THE MATIVE BANKGROUND VEGETATIVE COVER DE 19 FERMANENT STRUCTURES, OR EQUIVALENT PERMANENT STRUCTURES, OR EDUIVALENT PERMANENT PERMANENT PERMANENT STRUCTURES, OR EDUIVALENT PERMANENT STRUCTURES, OR EDUIVALENT PERMANENT STRUCTURES, OR EDUIVALENT PERMANENT PERMANENT STRUCTURES, OR EDUIVALENT PERMANENT PERMANENT STRUCTURES, OR EDUITOR STRUCTURES, OR EDUITOR STRUCTURES, OR EDUITATION STRUCT

"PROJECTIS" MEANS ALL CONSTRUCTION ACTIVITY PLANNED AND/OR CONDUCTED UNDER A PARTICULAR PERMIT. THE PROJECT OCCURS ON THE SITE OR SITES DESCRIBED IN THE PERMIT APPLICATION, THE SWEPP AND IN THE ASSOCIATED PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS. (MINN. R. 7090]

'PUBLIC WATERS' MEANS ALL WATER BASINS AND WATERCOURSES DESCRIBED IN MINN. STAT. SECT. 103G.005 SUBP. 15. [MINN. R. 7090]

SEDIMENT CONTROL: MEANS METHODS EMPLOYED TO PREVENT SUSPENDED SEDIMENT IN STORMWATER FROM LEAVING THE SITE (E.G. SILT FENCES, COMPOST LOGS AND STORM DRAIN INLET PROTECTION), [MINN R. 7030]

DRAIN INCELEPTOLECTION, JIMINEN IN CHAINS THE EXPOSED GROUND SURFACE MAS BEEN COVERED BY APPROPRIATE MATERIALS SUCH AS MILICH, STAKED SOD, RIPRAP, EROSION CONTROL BLANKET, MATS OR OTHER MATERIAL THAT PREVENTS EROSION FROM OCCURRING, GRASS SECONG, AGRICULTURAL CROP SEEDING OR OTHER SEEDING ALONE IS NOT STRBLIZATION, MULCH MATERIALS MUST ACHIEVE APPROXIMATELY 90 PERCENT GROUND COVERAGE (TYPICALLY 2 TON/AGRE). [MINN R. 7099]

"STORMWATER" MEANS PRECIPITATION RUNOFF, STORMVATER RUNOFF, SNOWMELT RUNOFF, AND ANY OTHER SURFACE RUNOFF AND DRAINAGE, [MINN. R. 7090] "STEEP SLOPES" MEANS SLOPES THAT ARE 1:3 (V:H) (33.3 PERCENT) OR STEEPER IN GRADE [MINN, R. 7090]

"STORM WATER FOLLUTION PREVENTION PLAN (SWIPPI)" MEANS A PLAN FOR STORMWATER DISCHARGE THAT INCLUDES ALL REQUIRED CONTENT UNDER IN SECTION 5 THAT DESCRIBES THE EROSION PREVENTION. SEDIMENT CONTROL AND WASTE CONTROL BMPS AND PERMANENT STORMWATER TREATMENT SYSTEMS. JUNN. R. 7660]

BMPS AND PERMANENT STORMWATER TREATMENT SYSTEMS, JIMMS, 7:000]
"SURFACE WATER OR WATERS" MEANS ALL STREAMS, LAKES, JONDS, MARSHES,
WETLANDS, RESERVOIRS, SPRINGS, NYSHENS DENINGES SYSTEMS, WATERWAYS,
WETLANDS, RESERVOIRS, SPRINGS, NYSHENS DENINGS SYSTEMS, WATERWAYS,
WATERCOURSES, AND IRRIGATOR SYSTEMS DO NOT INCLUDE STORWATER
OR PRIVATE, EXCEPT THAT SURFACE WATERS DO NOT INCLUDE STORWATER
TREATMENT SYSTEMS CONSTRUCTED FROM UPLAND. THIS PERMIT DOES NOT CONSIDER
STORWAYER TREATMENT SYSTEMS CONSTRUCTED IN WETLANDS AND MITIGATED IN
ACCORDANCE WITH SECTION 22 AS SURFACE WATERS, JIMMS, R. 7089]

"ACCORDANGE WITH SECTION 22 AS SURFACE WATERS, JMINN. 1 (702).
"WATERS OF THE STATE" (AS DEFINED IN MINN. STAT. SECT. 115.01, SUBP. 22) MEANS ALL
STREAMS, LAKES, PONDS, MARSHES, WATERCOURSES, WATERWAYS WELLS, SPRINGS,
RESERVOIRS, AQUIFERS, IRRIGATION SYSTEMS, DRIANAGE SYSTEMS AND ALL OTHER
BODIES OF ACCUMULATIONS OF WATER, SURFACE OR UNDERGROUND. NATURAL OR
ARTHFICHAL PUBLIC OR PRIVATE. WHICH ARE CONTAINED WITHIN, FLOW THROUGH, OR
ECREER UPON THE STATE OR ANY PORTION THEREOF, JMINN STAT. 115.01, SUBP. 22] WATER QUALITY VOLUME* MEANS ONE (1) INCH OF RUNOFF FROM THE NET INCREASE IN IMPERINCUS SURFACES CREATED BY THE PROJECT (CALCULATED AS AN INSTANTANEOUS VOLUME), MINN R. 7080]

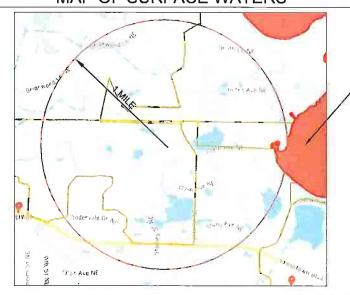
VOLUME, [MININ R. 7080]
"WELLANDS" (AS DEFINED IN MININ R. 7050.0188, SUBP. 1-A. B.) MEANS THOSE AREAS THAT
ARE INJUNIVATED OR BATURATED BY SURFACE WATER OR GROUNDWATER AT A
FREQUENCY AND DUBLATION SUFFICIENT TO SUPPORT, AND UNDER NORMAL
CIRCUMSTANCES OD SUPPORT, A PREVALENCE OF VECETATION TYPICALLY ADAPTED FOR
LIFE IN SATURATED SOIL CONDITIONS, WETLANDS GENERALLY INCLIDE SWAMPS,
MARSHEES, BOOS, AND SIMILAR AREAS, CONSTRUCTED WETLANDS DESIGNED FOR
WASTEWATER TREATMENT ARE NOT WATERS OF THE STATE, WETLANDS MUST HAVE THE
FOLLOWING ATTRIBUTES:

1. A PREDOMINANCE OF HYDRIC SOILS: AND

2. INUNDATED OR SATURATED BY SURFACE WATER OR GROUNDWATER AT A FREQUENCY AND DURATION SUFFICIENT TO SUPPORT A PREVALENCE OF HYDROPHYTIC VEGETATION TYPICALLY ADAPTED FOR LIFE IN A SATURATED SOIL CONDITION, AND

3. UNDER NORMAL CIRCUMSTANCES SUPPORT A PREVALENCE OF SUCH VEGETATION. [MINN. R. 7050-0188, SUBP. 1A.B]

MAP OF SURFACE WATERS



IMPAIRED LAKES: COON ASSESSMENT UNIT: 02-0042-00

APPROVED TMDL PLAN FOR: MERCURY IN FISH TISSUE

CHAPEL HAM LAKE, MN SH SWEDI

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PL ENGINE SUITE 118 LIND LAK PHONE: (631

DRAWN LAG

SHEET

SWPPP

4.2 PERMITTEES MUST SUBMIT A NOT WITHIN 30 DAYS AFTER ALL TERMINATION CONDITIONS LISTED IN SECTION 13 ARE COMPLETE, [MINN. R. 7090]

CONFICE, (PINN. N. 799)

4.3 PERMITTEES MUST SUBMIT A NOT WITHIN 30 DAYS AFTER SELLING OR OTHERWISE LEGALLY TRANSFERRING THE ENTIRE SITE, INCLUDING PERMIT RESPONSIBILITY FOR ROADS (E.G., STREET SWEEPING) AND STORMWATER INFRASTRUCTURE FINAL CLEAP DUT, OR TRANSFERRING PORTIONS OF A SITE TO ANOTHER PARTY, THE PERMITTEES' COVERAGE UNDER THIS PERMIT TERMINATES AT MIDNIGHT ON THE SUBMISSION DATE OF THE NOT. (MINN. R. 7090)

4.4 PERMITTEES MAY TERMINATE PERMIT COVERAGE PRIOR TO COMPLETION OF ALL CONSTRUCTION ACTIVITY IF THEY MEET ALL OF THE FOLLOWING CONDITIONS:

- A. CONSTRUCTION ACTIVITY HAS CEASED FOR AT LEAST 90 DAYS; AND
- B. AT LEAST 90 PERCENT (BY AREA) OF ALL ORIGINALLY PROPOSED CONSTRUCTION ACTIVITY HAS BEEN COMPLETED AND PERMANENT COVER HAS BEEN ESTABLISHED ON THOSE AREAS; AND
- C. ON AREAS WHERE CONSTRUCTION ACTIVITY IS NOT COMPLETE, PERMANENT COVER HAS BEEN ESTABLISHED; AND THE SITE COMPLIES WITH ITEM 13.3 THROUGH 13.7.

AFTER PERMIT COVERAGE IS TERMINATED UNDOUGH 13.7.

AFTER PERMIT COVERAGE IS TERMINATED UNDER THIS ITEM, ANY SUBSEQUENT DEVELOPMENT ON THE REMAINING PORTIONS OF THE SITE WILL REQUIRE PERMIT COVERAGE IF THE SUBSEQUENT DEVELOPMENT ITSELF OR AS PART OF THE REMAINING COMMON PLAN OF DEVELOPMENT OR SALE WILL RESULT IN LAND DISTURBING ACTIVITIES OF ONE (1) OR MORE ACRES IN SIZE. [MINN. R. 7090]

4.5 PERMITTEES MAY TERMINATE COVERAGE UPON MPCA APPROVAL AFTER SUBMITTING INFORMATION DOCUMENTING THE OWNER CANCELED THE PROJECT. (MINN. R. 7090)

6.1 SWPPP AMENDMENTS, [MINN, R. 7090]

6.2 DNE OF THE INDIVIDUALS DESCRIBED IN 1TEM 21.2.A OR 1TEM 21.2.B OR ANOTHER QUALIFIED INDIVIDUAL MUST COMPLETE ALL SWPPP CHANCES. CHANGES INVOLVING THE USE OF A LTSS STRINGENT EMP MUST INCLUDE JUSTIFICATION DESCRIBING HOW THE REPLACEMENT BY IS EFFC. THE STEE CHARACTERISTICS. [MINN. R. 7090] 6.3 PERMITTEES MUST AMEND THE SWEPP TO INCLUDE ADDITIONAL OR MODIFIED BMPS AS RECESSARY TO CORRECT PROBLEMS IDENTIFIED OR ADDRESS SITUATIONS WHENEVER THERE IS A CHANGE IN DESIGN. CONSTRUCTION, DEPARTION, MAINTENANCE, WEATHER OR SEASOMAL CONDITIONS HAVING A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OR GROUNDWATER, (MINN. R. 7090)

10 JUNFALE WHITEN ON GROUNDWATER, [MINN, R. 7080]

6.4 PERMITTEES HIST AMEND THE SWIPP TO INCLUDE ADDITIONAL OR MODIFIED BMPS AS NECESSARY TO CORRECT PROBLEMS IDENTIFIED OR ADJINESS STUATIONS WHENEVER INSPECTIONS OR INVESTIGATIONS BY THE SITE OWNER OR OPERATOR. LIGHT OF THE STEAM OF THE SITE OWNER OR OPERATOR. LIGHT OF THE STEAM OF THE SIGNAFIC ANTIVE MINIMALING THE DISCHARGE OF POLLITANTS TO SURFACE WATES OF BOWATER OF THE DISCHARGES ARE CAUSING WATER QUALITY STANDARD EXCEEDANCES (C.G., MUSANCE CONDITIONS AS DEPIRED IN MINN, R. 7050,0210, SUBP. 2) OR THE SWIPP IS NOT CONSISTENT WITH THE OBJECTIVES OF A USERA PRPOVED THOL [MINN, R. 7050,0210, SUBP. 2)

7.1 BMP SELECTION AND INSTALLATION, (MINN, R. 7090)

RMITTEES MUST SELECT, INSTALL, AND MAINTAIN THE BMPS IDENTIFIED IN THE SWPPP AND IN THIS PERMIT IN AN PRIATE AND FUNCTIONAL MANNER AND IN ACCORDANCE WITH RELEVANT MANUFACTURER SPECIFICATIONS AND THED ENGINEERING PRACTICES, IMININ, 8.7021.

8.1 EROSION PREVENTION PRACTICES. [MINN. R. 7090]

8.2 BEFORE WORK BEGINS, PERMITTEES MUST DELINEATE THE LOCATION OF AREAS NOT TO BE DISTURBED. IMINN. 8.

8.3 PERMITTEES MUST MINIMIZE THE NEED FOR DISTURBANCE OF PORTIONS OF THE PROJECT WITH STEEP SLOPES, WHEN STEEP SLOPES MUST BE DISTURBED, PERMITTEES MUST USE TECHNIQUES SUCH AS PHASING AND STABELIZATION PRACTICES DESIGNED FOR STEEP SLOPES (C.G. SLOPE DRAINING AND TERRACING). IMMIN. R. 70901

PRACTICES DESIGNED FOR STEEP SLOPES (E.G., SLOPE DRAINING AND TERRACING), [MINN. R. 7990]

8.4 PERMITTERS MUST STABLIZE ALL EXPOSED SOIL AREAS, INCLIDING STOCKPILES, STABLIZATION MUST BE INITIATED IMMEDIATELY TO LIMIT SOIL EROSION WHEN CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CENSED ON ANY PORTION OF THE STEE AND WILL NOT RESUME FOR A PERIOD EXCESSION OF CALENDAR DAYS, STABLIZATION MUST BE COMPLETED NO LATER THAN 24 HOURS AFFER THE CONSTRUCTION ACTIVITY HAS CEASED, STABLIZATION IS NOT REQUIRED ON CONSTRUCTED ASSEC COMPONENTS OF ROADS, PARKING LOTS AND SIMILAR SURFACES, STABLIZATION IS NOT REQUIRED ON TEMPORARY STOCKPILES WITHOUT SIGNIFICANT SILIT, CLAY OR ORGANIC COMPONENTS (E.G., CLEAN AGGREGATE STOCKPILES, DEFINEES STOCKPILES) BUT PERMITTEES MUST PROVIDE SEDIMENT CONTROLS AT THE BASE OF THE STOCKPILE. [MINN. R. 7090]

AS FOR PUBLIC WATERS THAT THE MINNESOTA DRR HAS PROMULGATED WORK IN WATER RESTRICTIONS' DURING SPECIFIED FISH SPAWNING TIME FRAMES, PERMITTEES MUST COMPLETE STABILIZATION OF ALL EXPOSED SOIL AREAS WITHIN 200 FEET OF THE WATER'S EDGE, AND THAT DRAIN TO THESE WATERS, WITHIN 24 HOURS DURING THE RESTRICTION PERIOD. (MINN. R. 7090)

RESTRICTION FENDED. [RINN, R. 7090]

8.6 PERMITTES MUST STRAIGLEZ THE NORMAL WETTED PERIMETER OF THE LAST 200 LINEAR FEET OF TEMPORARY OR PERMANENT DRAINAGE DITCHES OR SWALES THAT DRAIN WATER FROM THE SITE WITHIN 24 HOURS AFTER CONNECTING TO A SURFACE WATER OR PROPERTY EGGE. PERMITTEES MUST COMPLETE STRAINLIZATION OR REMAINING PORTIONS OF TEMPORARY OR PERMANENT CONTENT OR SWALES WITHIN 14 CALENDAR DAYS AFTER CONNECTING TO A SURFACE WATER OR REOPERTY EDGE AND CONSTRUCTION IN THAT PORTION OF THE DITCH TEMPORARILY OR PERMANENTLY CESS. [MINN.]

8.7 TEMPORARY OR PERMANENT DITCHES OR SWALES BEING USED AS A SEDIMENT CONTAINMENT SYSTEM DURING CONSTRUCTION (WITH PROPERLY DESIGNED ROCK-DITCH CHECKS, BIO ROLLS, SILT DIKES, ETC.) DO NOT REED TO BE STABLIZZED. PERMITTEES MUST STABLIZZED THESE AREAS WITHIN 24 HOURS AFTER THEIR USE AS A SEDIMENT CONTAINMENT SYSTEM CEASES. [MINN. R. 7090]

S.B. PERMITTES MUST NOT USED. SPINUCH, HYDROMULCH, TACKIFIER, POLYACRYLAMIDE OR SIMILAR EROSION PREVENTION PRACTICES WITHIN ANY PORTION OF THE NORMAL WEITED PERMITTED DETRIBUTES OF A TEMPORARY OR PERMANENT DRAINAGE DITCO

8.9 PERMITTEES MUST PROVIDE TEMPORARY OR PERMANENT ENERGY DISSIPATION AT ALL PIPE OUTLETS WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER OR PERMANENT STORMWATER TREATMENT SYSTEM. [MINN. R. 7090] 8.10 PERMITTEES MUST NOT DISTURB MORE LAND (I.E., PHASING) THAN CAN BE EFFECTIVELY INSPECTED AND MAINTAINED IN ACCORDANCE WITH SECTION 11. [MINN. R. 7090]

9.1 SEDIMENT CONTROL PRACTICES. [MINN. R. 7090]

9.2 PERMITTEES MUST ESTABLISH SEDIMENT CONTROL BMPS ON ALL DOWNGRADIENT PERIMETERS OF THE SITE AND DOWNGRADIENT AREAS OF THE SITE THAT DRAIN TO ANY SURFACE WATER, INCLUDING CURE AND GUTTER SYSTEMS, PERMITTEES MUST LOCATE SEDIMENT CONTROL PRACTICES UPGRADIENT OF ANY PROPADLENT AND SURFACE OVER. PERMITTEES MUST INSTALL SEDIMENT CONTROL PRACTICES BEFORE ANY UPGRADIENT GAND-DISTURBING ACTIVITIES BEGIN AND MUST KEEP THE SEDIMENT CONTROL PRACTICES IN PLACE UNITL. THE SEDIMENT CONTROL PRACTICES UNITL. THE SEDIMENT CONTROL PRACTI

7-93 IF DOWNGRADIENT SEDIMENT CONTROLS ARE OVERLOADED, BASED ON PREQUENT FALIURE OR EXCESSIVE MAINTENANCE REQUIREMENTS, PERMITTEES MUST INSTALL ADDITIONAL UPGRADIENT SEDIMENT CONTROL PRACTICES OR REQUIREMENTS, PERMITTEES MUST INSTALL ADDITIONAL UPGRADIENT SEDIMENT CONTROL PRACTICES OR REQUIREMENT ADDITIONAL UPGRADIENT SEDIMENT CONTROL PRACTICES OR REQUIRED IN TIEM 6.3. (MINN. R. 7090)

9.4 TEMPORARY OR PERMANENT DRAINAGE DITCHES AND SEDIMENT BASINS DESIGNED AS PART OF A SEDIMENT CONTAINMENT SYSTEM (E.G., DITCHES WITH ROCK-CHECK DAMS) REQUIRE SEDIMENT CONTROL PRACTICES ONLY AS APPROPRIATE FOR SITE CONDITIONS. [MINN. R. 7090]

APPROPRIATE FOR SITE CURLITIONS, (MINN, K. 7,030)

S. S. A FLOATING SITT CURSTAIN PLACED IN THE WATER IS NOT A SEDIMENT CONTROL BMP TO SATISFY ITEM 9,2 EXCEPT
WHEN WORKING ON A SHORELINE OR BELOW THE WATERLINE. IMMEDIATELY AFTER THE SHORT TERM CONSTRUCTION
ACTIVITY (E.G., INSTALLATION OF RIP RAP ALONG THE SHORELINE) IN THAT AREA IS COMPLETE, PERMITTEES MUST INSTALL
AN UPLAND PERIMETER CONTROL PRACTICE IF EXPOSED SOILS STILL DRAIN TO A SURFACE WATER. [HINN, R, 7690] 9.6 FERMITES MUST RE-INSTALL ALL SEDIMENT CONTROL PRACTICES ADJUSTED OR REMOVED TO ACCOMMODATE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VEHICLES, IMMEDIATELY AFTER THE SHORT-TERM ACTIVITY IS COMPLETED, PERMITTEES MUST RE-INSTALL SEDIMENT CONTROL PRACTICES BEFORE THE NEXT PRECIPITATION EVENT EVEN IF THE SHORT-TERM ACTIVITY IS NOT COMPLETE, [MINN. R. 7050]

9.7 PERMITTEES MUST PROTECT ALL STORM DRAIN INLETS USING APPROPRIATE BMPS DURING CONSTRUCTION UNTIL THEY ESTABLISH PERMANENT COVER ON ALL AREAS WITH POTENTIAL FOR DISCHARGING TO THE INLET. [MINN. R. 7090]

9.6 PERMITTEES MAY REMOVE INLET PROTECTION FOR A PARTICULAR INLET IF A SPECIFIC SAFETY CONCERN (E.G., STREET FLOODING/PREEZING) IS IDENTIFIED BY THE PERMITTEES OR THE JURISDICTIONAL AUTHORITY (E.G., CTIV/COUNTY/TOWNSHIP/MINNESOTA DEPARTMENT OF TRANSPORTATION ENGINEER). PERMITTEES MUST DOCUMENT THE NEED FOR REMOVAL IN THE SUPPP. (MINN. R. 7090)

9.9 PERMITTEES MUST PROVIDE SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS AT THE BASE OF STOCKPILES ON THE DOWNGRADIENT PERIMETER. (MINN. R. 7090)

9.10 PERMITTEES MUST LOCATE STOCKPILES OUTSIDE OF NATURAL BUFFERS OR SURFACE WATERS, INCLUDING STORMWATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS UNLESS THERE IS A BYPASS IN PLACE FOR THE STORMWATER. [MINN. R. 7090]

9.11 PERMITTEES MUST INSTALL A VEHICLE TRACKING BMP TO MINIMIZE THE TRACK OUT OF SEDIMENT FROM THE CONSTRUCTION SITE OR ONTO PAVED ROADS WITHIN THE SITE. [MINN. R. 7090]

9.12 PERMITTEES MUST USE STREET SWEEPING IF VEHICLE TRACKING BMPS ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING ONTO THE STREET. [MINN. R. 7090] 9.13 PERMITTEES MUST INSTALL TEMPORARY SEDIMENT BASINS AS REQUIRED IN SECTION 14, IMINN. R. 70901

9.14 IN ANY AREAS OF THE SITE WHERE FINAL VEGETATIVE STABILIZATION WILL OCCUR, PERMITTEES MUST RESTRICT VEHICLE AND EQUIPMENT USE TO MINIMIZE SOIL COMPACTION. [MINN. R. 7090]

9.15 PERMITTEES MUST PRESERVE TOPSOIL ON THE SITE, UNLESS INFEASIBLE, (MINN, R. 7090) 9.16 PERMITTEES MUST DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS UNLESS INFEASIBLE. [MINN. R. 7090]

10.1 DEWATERING AND BASIN DRAINING. [MINN. R. 7090]

10.1 DEWATERING AND BASIN DIGNINING, [PINN. B. 7090]

10.2 PERMITTES MUST DISCHARGE TURBIO OR SEDIMENT-LADEN WATERS RELATED TO DEWATERING OR BASIN DRAINING (E.G., PUMPED DISCHARGES, TRENCHOJITCH CUTS FOR DRAINAGE) TO A TEMPORARY OR PERMANENT SEDIMENT BASIN OF THE PROJECT STIE UNLESS INFERSIBLE, PERMITTEES MAY DEWATER TO SURFACE WATERS IF THEY VISUALLY, CHECK TO THE PROJECT STIE UNLESS INFERSIBLE, PERMITTEES MAY DEWATER TO SURFACE WATERS INFERSIBLE, PERMITTEES CANNOT DISCHARGE THE WATER TO A SEDIMENTATION BASIN PRIOR TO ENTREING A SURFACE WATER, PERMITTEES CANNOT DISCHARGE THE WATER TO A SEDIMENTATION BASIN PRIOR TO ENTREING A SURFACE WATER, PERMITTEES MUST TREAT IT WITH APPROPRIATE BHYS SUCH THAT THE DISCHARGE DOES NOT ADVERSELY AFFECT THE SURFACE WATER OR DOWNFACE WATER.

10.3 IF PERMITTEES MUST DISCHARGE WATER CONTAINING OIL OR GREASE, THEY MUST USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICE (E.G., CARTRIDGE FILTERS, ABSORBENTS PADS) PRIOR TO DISCHARGE. [MINN. R. 7690] 10.4 PERHITTEES MUST DISCHARGE ALL WATER FROM DEWATERING OR BASIN-DRAINING ACTIVITIES IN A MANNER THAT ODES NOT CAUSE EROSION OR SCOUR IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS OR INUNDATION OF WEILANDS IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS THAT CAUSES SIGNIFICANT ADVERSE IMPACT TO THE WEILAND, [MINN]

I.O. 51 PERMITTEES USE FILTERS WITH BACKWASH WATER, THEY MUST HAUL THE BACKWASH WATER AWAY FOR DISI RETURN THE BACKWASH WATER TO THE BEGINNING OF THE TREATMENT PROCESS, OR INCORPORATE THE BACKWASH WATER INTO THE SITE! IN A MANNET HAT DOES NOT CAUSE EROSION. [MINN, R. 7050]

11.1 INSPECTIONS AND MAINTENANCE. [MINN, R. 7090]

11.1 IMPRECIONS AND MAINTENANCE, PIRMY, N. 700.

11.2 PERMITTERS MUST ENSURE A TRAINED PERSON, AS IDENTIFIED IN ITEM 21.2.B, WILL INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (?) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVERT GREATER THAN 1/2 INCH IN 24 HOURS (MINN B. 7).

AFTER A RAINFALL EVENT GREATER THAN 1/2 INCH IN 24 HOURS. [MINN. R. 7090]

11.4 PERMITTES MUST INSPECT AND MAINTAIN ALL PERMANENT STORMWATER TREATMENT BMPS. [MINN. R. 7090]

11.4 PERMITTES MUST INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPS AND POLLUTION PREVENTION
MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS. PERMITTEES MUST REPAIR, REPLACE OR
SUPPLEMENT ALL KONFUNCTIONAL BMPS WITH FUNCTIONAL BMPS BY THE END OF THE NEXT BUSINESS DAY AFTER
DISCOVERY UNLESS AND THE TIME FRAME IS SPECIFIED IN 1TEM 11.5 OR 11.6. PERMITTEES MAY TAKE ADDITIONAL TIME
IFFIELD CONDITIONS PREVENT ACCESS TO THE AREA, [MINN. R. 7090]

IF FIELD CONDITIONS PREVENT ACCESS TO THE AREA, [MINN. R. 7990]

1.5 DURING BOCAL INSPECTION, PERMITTEES WIST INSPECT SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND CONVEYANCE SYSTEMS OF AND CONVEYANCE OF A CONVEYANCE OF A CONVEYANCE OF AND CONVEYANCE OF A CONVEYANCE OF

1.6 PERMITTEES MUST INSPECT CONSTRUCTION SITE VEHICLE EXIT LOCATIONS, STREETS AND CURB AND GUTTER
SYSTEMS WITHIN AND ADJACENT TO THE PROJECT FOR SEDIMENTATION FROM EROSION OR TRACKED SEDIMENT FROM VEHICLES: PERHITTEES MUST REMOVE SEDIMENT FROM ALL PAVED SURFACES WITHIN ONE (1) CALENDAR DAY OF DISCOVERY OR, IF APPLICABLE, WITHIN A SHORTER TIME TO AVOID A SAFETY HAZARD TO USERS OF PUBLIC STREETS (MINN. R. 7090)

1.1. PERMITTEES MUST REPAIR, REPLACE OR SUPPLEMENT ALL PERIMETER CONTROL DEVICES WHEN THEY BECOME NORFUNCTIONAL OR THE SEDIMENT REACHES 1/2 OF THE HEIGHT OF THE DEVICE. [MINN. R. 7090]

11.6 PERMITTEES MUST DRAIN TEMPORARY AND PERMANENT SEDIMENTATION BASINS AND REMOVE THE SEDIMENT WHEN THE DEPTH OF SEDIMENT COLLECTED IN THE BASIN REACHES 1/2 THE STORAGE VOLUME. (MINN. R. 7090) 11.9 PERMITTEES MUST ENSURE THAT AT LEAST ONE INDIVIDUAL PRESENT ON THE SITE (OR AVAILABLE TO THE PROJECT SITE IN THREE (3) CALENDAR DAYS) IS TRAINED IN THE JOB DUTIES DESCRIBED IN 17EM 21.2.B. [MINN, R, 7090]

.10 PERMITTEES MAY ADJUST THE INSPECTION SCHEDULE DESCRIBED IN ITEM 11.2 AS FOLLOWS A. INSPECTIONS OF AREAS WITH PERMANENT COVER CAN BE REDUCED TO ONCE PER MONTH, EVEN IF CONSTRUCTION ACTIVITY CONTINUES ON OTHER PORTIONS OF THE SITE: OR

B. WHERE SITES HAVE PERMANENT COVER ON ALL EXPOSED SOIL AND NO CONSTRUCTION ACTIVITY IS OCCURRING ANYWHERE ON THE SITE, INSPECTIONS CAN BE REDUCED TO ONCE PER MONTH AND, AFTER 12 MONTHS, MAY BE SUSPENDED COMPLETELY UNTIL CONSTRUCTION ACTIVITY RESUMES. THE MPCA MAY REQUIRE INSPECTIONS TO RESUME IF CONDITIONS WARRANT; OR

RESUME IF CUMULTURES WARKART; UN

C. WHERE CONSTRUCTION A CITYITY HAS BEEN SUSPENDED DUE TO FROZEN GROUND CONDITIONS, INSPECTIONS MAY BE
SUSPENDED. INSPECTIONS MUST RESUME WITHIN 24 HOURS OF FUNDEFF OCCURRING, OR UPON RESUMING
CONSTRUCTION, WHICHEVER COMES FIRST, [MINN. R. 7990]

11.11 PERMITTEES MUST RECORD ALL INSPECTIONS AND MAINTENANCE ACTIVITIES WITHIN 24 HOURS OF BEING CONDUCTED AND THESE RECORDS MUST BE RETAINED WITH THE SWPPP. THESE RECORDS MUST INCLUDE:

A. DATE AND TIME OF INSPECTIONS; AND

B. NAME OF PERSONS CONDUCTING INSPECTIONS; AND

C. ACCURATE FINDINGS OF INSPECTIONS, INCLUDING THE SPECIFIC LOCATION WHERE CORRECTIVE ACTIONS ARE NEEDED: AND

D. CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES); AND E. DATE OF ALL RAINFALL EVENTS GREATER THAN 1/2 INCHES IN 24 HOURS, AND THE AMOUNT OF RAINFALL FOR EACH EVENT, FERMITTES MUST OBTAIN RAINFALL AMOUNTS BY EITHER A PROFESTAL WAINFAINER RAIN CAUGE INSTALLED ONSITE, A WEATHER STATION THAT IS WITHIN ONE (1) MILE OF YOUR LOCATION, OR A WEATHER REPORTING SYSTEM THAT PROVIDEDS SITE SPECIFIC RAINFALL DATA FROM RADAR SUMMARIES, AND

N PROVIDES SHE SPECIFIC MAINTALD DATA FROM MADAK SUMMARIES; AND REMITTEES DESENVE A DISCHARGE DURING THE INSPECTION, THEY MUST RECORD AND SHOULD PHOTOGRAPH AND CRIBET THE LOCATION OF THE DISCHARGE (I.E., COLOR, DODR, SETTLED OR SUSPENDED SOLIDS, OIL SHEEN, AND HER OBUJOUS INDICATORS OF POLLUTANTS; AND

G. ANY AMENDMENTS TO THE SWPPP PROPOSED AS A RESULT OF THE INSPECTION MUST BE DOCUMENTED AS REQUIRED IN SECTION 6 WITHIN SEVEN (7) CALENDAR DAYS. [MINN. R. 7090]

12.1 POLLUTION PREVENTION MANAGEMENT MEASURES. (MINN. R. 7090)

12.2 PERMITTEES MUST PLACE BUILDING PRODUCTS AND LANDSCAPE MATERIALS UNDER COVER (E.G., PLASTIC SHEETING OR TEMPORARY ROOFS) OR PROTECT THEM BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWAFER. PERMITTEES ARE MOT REQUIRED TO COVER OR PROTECT PRODUCTS WHICH ARE EITHER NOT A SOURCE OF CONTAMINATION TO STORMWATER OR ARE DESIGNED TO BE EXPOSED TO STORMWATER. [MINN. R. 7090] 12.3 PERMITTEES MUST PLACE PESTICIDES, FERTILIZERS AND TREATMENT CHEMICALS UNDER COVER (E.G., PLASTIC SHEETING OR TEMPORARY ROOFS) OR PROTECT THEM BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CON WITH STORMWATER. (MINN. R. 7091)

12.4 PERMITTES MUST STORE HAZAROOUS MATERIALS AND TOXIC WASTE, (INCLUDING OIL, DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAINT SOLVENTS, PETROLEUM-BASED PRODUCTS, WOOD PRESERVATIVES, ADDITIVES, CURING COMPOUNDS, AND ACIDS) IN SCRAEDE CONTAINERS TO PREVENT SPILLS, LEASS FOR OTHER DISCHARGE. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MATERIALS MUST BE IN COMPLIANCE WITH MINN. R. CH. 7045 INCLUDING SECONDARY CONTAINMENT AS APPLICABLE, (MINN. R. 7050).

12.5 PERMITTEES MUST PROPERLY STORE, COLLECT AND DISPOSE SOLID WASTE IN COMPLIANCE WITH MINN. R. CH. 7035.
IMINN. R. 70351

12.6 PERMITTEES MUST POSITION PORTABLE TOILETS SO THEY ARE SECURE AND WILL NOT TIP OR BE KNOCKED OVER. PERMITTEES MUST PROPERLY DISPOSE SANITARY WASTE IN ACCORDANCE WITH MINN. R. CH. 7041. [MINN. R. 7041] PERMITTES MUST PROPERTY DISPUSE SANTIARY WAS ET IN ACCURANCE WITH MINN, R. CH. 7.43.1, MINN, R. 7.041.

1.7. PERMITTES MUST TAKE REASONABLE STEPS TO PREVENT THE DISCHARGE OF SPILLED OR LEAKED CHEMICALS, INCLUDING FUEL, FROM ANY AREA WHERE CHEMICALS OR FUEL WILL BE LOADED OR UNICADED INCLUDING THE USE OF DRIP PAINS OR ABSORBERTS UNIESS INFERSIBLE, PERMITTERS MUST ENSURE ADEQUATE SUPPLIES ARE AVAILABLE AT ALL TIMES TO CLEAN UP DISCHARGED MATERIALS AND THAT AN APPROPRIATE DISPOSAL METHOD IS AVAILABLE FOR RECOVERED SPILLED MATERIALS, PERMITTERS MUST REPORT AND CLEAN UP SPILLS IMMEDIATELY AS REQUIRED BY MINN. STAT. 115.061].

12.8 PERMITTEES MUST LIMIT VEHICLE EXTERIOR WASHING AND EQUIPMENT TO A DEFINED AREA OF THE SITE, PERMITTEES MUST CONTAIN RUNOFF FROM THE WASHING AREA IN A SEDIMENT BASIN OR OTHER SIMILARLY EFFECTIVE CONTROLS AND MUST CUSTOSE WASTE FROM THE WASHING ACTIVITY PROPERLY. PERMITTEES MUST PROPERTY USE AND STORE SOAPS, MUST CONTAIN RUNOFF FROM THE WASHING A MUST DISPOSE WASTE FROM THE WASHING A DETERGENTS, OR SOLVENTS. [MINN. R. 7090]

DETERGENTS, OR SOLVENTS. (MINN. R. 7090)

1.2.9 PERMITTEES MUST PROVIDE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OPERATIONS (E.G., CONCRETE, STLVCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS) RELATED TO THE CONSTRUCTION ACTIVITY. PREMITTEES MUST REVENT LIQUID, and SOLID WASTES FROM CONTACTING THE CONSTRUCTION ACTIVITY. PREMITTEES MUST REVENT LIQUID AND SOLID WASTES FROM CONTACTING THE GROUND AND MUST DESIGN THE CONTAINMENT SO IT DOES NOT RESULT IN RUNOFF FROM THE WASHOUT OPERATIONS OR AREAS. PERMITTEES MUST ROPERATION SOLID WASTES IN COMPLIANCE WITH MYCA RULES, PERMITTEES MUST INSTALL A SIGN INDICATING THE LOCATION OF THE WASHOUT FACILITY, (MINN. R. 7355 MINN. R. 7355).

13.1 PERMIT TERMINATION CONDITIONS. [MINN. R. 7090]

13.2 PERMITTERS MUST COMPLETE ALL CONSTRUCTION ACTIVITY AND MUST INSTALL PERMANENT COVER OVER ALL AREAS PRIOR TO SUBMITTING THE NOT. VEGETATION WITH A DENSITY OF 70 PERCENT OF 12 SEPECTED THE COVER MUST CONSIST OF A UNIFORM PERENNIAL VEGETATION WITH A DENSITY OF 70 PERCENT OF 13 SEPECTED IN SIGNAL GROWTH. VEGETATION IS NOT REQUIRED WHERE THE PUNCTION OF A SPECIFIC AREA DICTATES NO VEGETATION, SUCH AS IMPERVIOUS SURFACES OR THE BASE OF A SAND FILTER. [MINN. R. 70501

13.3 PERMITTEES MUST CLEAN THE PERMANENT STORMWATER TREATMENT SYSTEM OF ANY ACCUMULATED SEDIMENT AND MUST ENSURE THE SYSTEM MEETS ALL APPLICABLE REQUIREMENTS IN SECTION 15 THROUGH 19 AND IS OPERATING AS

13.4 PERMITTEES MUST REMOVE ALL SEDIMENT FROM CONVEYANCE SYSTEMS PRIOR TO SUBMITTING THE NOT. [MINN. R.

13.5 PERMITTEES MUST REMOVE ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPS PRIOR TO SUBMITTING THE NOT. PERMITTEES MAY LEAVE BMP5 DESIGNED TO DECOMPOSE ON SITE IN PLACE. [MINN. R. 7090] 13.6 FOR RESIDENTIAL CONSTRUCTION ONLY, RENHIT COMPRIAGE TERMINATES ON INDUDUAL LOTS IF THE TRUCTURE ARE FINISHED AND TEMPORATE REGISION PREVENTION AND SONWIGADISHIT PERMINETE CONTROL.) S. COMPLETE, THE RESIDENCE SELLS TO THE HOMEOWNER, AND THE PERMITTEE DISTRIBUTES THE MPCAS "HOMEOWNER FACT SHEET" TO THE HOMEOWNER, INJURIAL RESIDENCE SELLS TO THE HOMEOWNER, FACT SHEET" TO THE HOMEOWNER, INJURIAL RESIDENCE SELLS TO THE HOMEOWNER, AND THE PERMITTEE DISTRIBUTES THE MPCAS "HOMEOWNER FACT SHEET" TO THE HOMEOWNER, INJURIAL RESIDENCE SELLS TO THE HOMEOWNER, AND THE PERMITTEE DISTRIBUTES THE MPCAS "HOMEOWNER FACT SHEET" TO THE

13.7 FOR CONSTRUCTION PROJECTS ON AGRICULTURAL LAND (E.G., PIPELINES ACROSS CROPLAND), PERMITTEES MUST
RETURN THE DISTURBED LAND TO ITS PRECONSTRUCTION AGRICULTURAL USE PRIOR TO SUBMITTING THE NOT. (MINN. R

14.1 TEMPORARY SEDIMENT BASINS. [MINN. R. 7090]

14.2 WHERE TEN (10) OR MORE ACRES OF DISTURBED SOIL DRAIN TO A COMMON LOCATION, PERMITTEES MUST PROVIDE A TEMPORARY SEDIMENT BASIN TO PROVIDE TREATMENT OF THE RUNOFF BEFORE IT LEAVES THE CONSTRUCTION SITE OR SHERES SUPPLACE WATERS, PERMITTEES MAY CONVERT A TEMPORARY SEDIMENT BASIN TO A PERMANENT BASIN AFTER CONSTRUCTION IS COMPLETE. THE TEMPORARY BASIN IS NO LONGER REQUIRED WHEN PERMANENT COVER HAS REDUCED THE ACREAGE OF DISTURBED SOIL TO LESS THAN TEN (10) ACRES DRAINING TO A COMMON LOCATION, IMININ, 7,090) 14.3 THE TEMPORARY BASIN MUST PROVIDE LIVE STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A TWO (2)-YEAR, 24-HOUR STORM FROM EACH ACRE DRAINED TO THE BASIN OR 1,800 CUBIC FEET OF LIVE STORAGE PER ACRE DRAINED, WHICHEVER IS GREATER, (MINN. R. 7096)

14.4 WHERE PERMITTEES HAVE NOT CALCULATED THE TWO (2)-YEAR, 24-HOUR STORM RUNDIFF AMOUNT, THE TEMPORA BASIN MUST PROVIDE 3,600 CUBIC FEET OF LIVE STORAGE PER ACRE OF THE BASINS' DRAINAGE AREA. (MINN, R. 7090) 14.5 PERMITTEES MUST DESIGN BASIN OUTLETS TO FREVENT SHORT-CIRCUITING AND THE DISCHARGE OF FLOATING DEBRIS. (MINN. R. 7090)

1.4.6 PERMITTEES MUST DESIGN THE OUTLET STRUCTURE TO WITHDRAW WATER FROM THE SURFACE TO MINIMIZE THE DISCHARGE OF POLLUTANTS. PERMITTEES MAY TEMPORABILY SUSPEND THE USE OF A SURFACE WITHDRAWAL MECHANISM DURING FROZEN CONDITIONS. THE BASIN MUST INCLUDE A STABILIZED EMERGENCY OVERFLOW TO PREVENT FAILURE OF POND INTEGRITY. [MINN. R. 7050]

14.7 PERMITTEES MUST PROVIDE ENERGY DISSIPATION FOR THE BASIN OUTLET WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER, IMIRN. R. 70901 A SURFACE WATER. [MINN. R. 7680]

14.6 PERMITTEES MUST LOCATE TEMPORARY BASINS OUTSIDE OF SURFACE WATERS AND ANY BUFFER ZONE REQUIRED IN ITEM 23.1.1, (MINN. R. 7080)

11EM 23.1.1 (MINN. R. 7090)

14.9 PERMITTEES MUST CONSTRUCT THE TEMPORARY BASINS PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING TO A COMMON LOCATION, IMINN. R. 7090]

14.10 WHERE A TEMPORARY SEDIMENT BASIN MEETING THE REQUIREMENTS OF ITEM 14.3 THROUGH 14.9 IS INFEASIBLE, PERMITTEES MUST INSTALL EFFECTIVE SEDIMENT CONTROLS SUCH AS SMALLER SEDIMENT BASINS AND/OR SEDIMENT PROBLEMS, SILT FENCESCHETARY BUFFER STRIKE ON AN APPRICATIVE COMBINATION OF MEASURES AS DICTATED BY MADE AND APPRICATION OF MEASURES AND APPRIC

15.1 PERMANENT STORMWATER TREATMENT SYSTEM. [MINN. R. 7090]

15.2 PERMITTEES MUST DESIGN THE PROJECT SO ALL STORMWATER DISCHARGED FROM THE PROJECT DURING AND AFTER CONSTRUCTION ACTIVITIES DOES NOT CAUSE A VIOLATION OF STATE WATER QUALITY STANDARDS, INCLUDING NUISANCE CONDITIONS, ROSISION IN RECEIVING CHANNELS OR ON DOWNSLOPE PROPERTIES, OR A SIGNIFICANT ADVERSE IMPACT TO WETLANDS CAUSED BY INJUNDATION OR DECREASE OF FLOW, [MINN. R. 7090]

15.3 PERMITTEES MUST DESIGN AND CONSTRUCT A PERMANENT STORMWATER TREATMENT SYSTEM TO TREAT THE WATER QUALITY VOLUME IF THE PROJECT'S ULTIMATE DEVELOPMENT REPLACES VEGETATION AND/OR OTHER PERVIOUS SURFACES CREATING A NET INCREASE OF ONE (1) OR MONE ACRES OF COMULATIVE IMPREVIOUS SURFACE. [MINN. 7.090] 15.4 PERMITTEES MUST CALCULATE THE WATER QUALITY VOLUME AS ONE (1) INCH TIMES THE NET INCREASE OF IMPERVIOUS SURFACES CREATED BY THE PROJECT, (MINN. R. 7090)

15.5 PERMITTEES MUST FIRST CONSIDER VOLUME REDUCTION PRACTICES ON-SITE (E.G., INFILTRATION OR OTHER) WHEN DESIGNING THE PERMANENT STORMATER TREATMENT SYSTEM. IF THIS PERMIT PROHIBITS INFILTRATION AS DESCRIBED IN ITEM 16.14 HROUGH THEM 16.2, PERMITTEES MAY CONSIDER A WET SEDIMENTATION BASIN, FILTRATION BIRD OR REGIONAL POND. THIS PERMIT DOES NOT CONSIDER WET SEDIMENTATION BASINS AND FILTRATION SYSTEMS TO BE VOLUME REDUCTION PRACTICES. (MINN. R. 7509) (9)

15.6 FOR PROJECTS WHERE THE FULL VOLUME REDUCTION REQUIREMENT CANNOT BE MET ON-SITE, (E.G., THE SITE HAS INFILTRATION PROHIBITIONS), PERMITTEES MUST DOCUMENT THE REASONS IN THE SWPPP, (MINN. R. 7090) 15.7 PERMITTEES MUST DISCHARGE THE WATER QUALITY VOLUME TO A PERMANENT STORMWATER TREATMENT SYSTEM PRIOR TO DISCHARGE TO A SURFACE WATER. FOR PRIOR TO DISCHARGE TO A SURFACE WATER. FOR PRIOR TO A SURFACE WATER SO NOT INCLUDE MAN-MEDIAL PRIOR TO A SERVICE WATER SO NOT INCLUDE MAN-MEDIAL PRIOR TO A SERVICE WATER SO NOT INCLUDE MAN-MEDIAL PRIOR TO A SERVICE WATER SO WATER SO NOT INCLUDE MAN-MEDIAL PRIOR TO A SERVICE TO A 1.5.8 WHERE THE PROXIMITY TO BEDROCK PRECLUDES THE INSTALLATION OF ANY OF THE PERMANENT STORMWATER TREATMENT PRACTICES REQUIRED BY SECTIONS 15 THROUGH 19, PERMITTEES MUST INSTALL OTHER TREATMENT SUCH AS GRASSED SWALES, SMALLER PONDS, OR ORIT CHAMBERS, PRIOR TO THE DISCHARGE OF STORMWATER TO SURFACE

WATERS, [MINN. N. 1/20].

15. FOR LIBERA PROJECTS WHERE PERMITTEES CANNOT TREAT THE ENTIRE WATER QUALITY VOLUME WITHIN THE EXISTING RIGHT-OF-WAY, PERMITTEES MUST MAKE A REASONABLE ATTEMPT TO DETAIN ADDITIONAL RIGHT-OF-WAY, AND THE PROPERTY OF THE STATE OF THE PROPERTY O

16.1 INFILTRATION SYSTEMS, [MINN, R. 7090]

16.2. INFILITATION OPTIONS INCLUDE, BUT ARE NOT LIMITED TO: INFILITATION BASINS, INFILITATION TRENCHES, RAINWATER GARDENS, BIORETENTION AREAS WITHOUT UNDERGRAINS, SWALES WITH IMPERMEABLE CHECK DAMS, AND ANUTAL DEPRESSIONS. IF PERMITTEES WILLEZ AN INFILITATION SYSTEM TO MEET THE REQUIREMENTS OF THIS FERMI THEY MUST INCORPORATE THE DESIGN PARAMETERS IN 17EM 16.3 THROUGH THEM 16.21. PERMITTEES MUST FOLLOW TH INFILITATION PROHIBITION IN ITEM 16.14 ANYTHE AN INFILITATION SYSTEM IS DESIGNED, INCLUDING THOSE NOT

16.3 PERMITTEES MUST DESIGN INFILTRATION SYSTEMS SUCH THAT PRE-EXISTING HYDROLOGIC CONDITIONS OF WETLANDS IN THE VICINITY ARE NOT IMPACTED (E.G., INUNDATION OR BREACHING A PERCHED WATER TABLE SUPPORTING A WETLAND), [MINN. R. 7090]

A WELLAND), [MINN. R. 7990]

16.4 PERMITTEES MUST NOT EXCAVATE INFILITATION SYSTEMS TO FINAL GRADE, OR WITHIN THREE (3) FEET OF FINAL GRADE, UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN CONSTRUCTED AND FULLY STABILIZED UNLESS THEY PROVIDE RIGOROUS REGISTOR PREVENTION AND SCHORENT CONTROLS (E.G., DIVERSION BERMS) TO KEEP SEDIMENT AND RUNDFF COMPLETELY AWAY FROM THE INFILITATION AREA, [MINN. R. 7990]

16.5 WHEN EXCAVATING AN INFILTRATION SYSTEM TO WITHIN THREE (3) FEET OF FINAL GRADE, PERMITTEES MUST STAKE OFF AND MARK THE AREA SO HEAVY CONSTRUCTION VEHICLES OR EQUIPMENT DO NOT COMPACT THE SOIL IN THE INFLIENTATION AREA. (1918). R. 7090)

16. 6 PERMITTES MUST USE A PRETREATMENT DEVICE SUCH AS A VEGETATED FILTER STRIP, FOREBAY, OR WATER QUALITY INLET (E.G., GRIT CHAMBER) TO REMOVE SOLIDS, FLOATING MATERIALS, AND OIL AND GREASE FROM THE RUNDFF, TO THE MAXIMUM EXTENT PRACTICABLE, BEFORE THE SYSTEM ROUTES STORMMATER TO THE INFLITENTION SYSTEM, (MINN. R.

16.5. PERMITTEES MUST DESIGN INFILTRATION SYSTEMS TO PROVIDE A WATER QUALITY VOLUME (CALCULATED AS AI INSTANTANEOUS VOLUME) OF ONE (1) INCH OF RUNOFF, OR ONE (1) INCH MINUS THE VOLUME OF STORMWATER TRE BY ANOTHER SYSTEM ON THE STIEF, FROM THE ONE INCRESSE OF IMPREVIOUS SUPFACES CREATED BY THE PROJECT.

16.8 PERMITTEES MUST DESIGN THE INFILTRATION SYSTEM TO DISCHARGE ALL STORMWATER (INCLUDING STORMWATER IN EXCESS OF THE WATER QUALITY VOLUME) ROUTED TO THE SYSTEM THROUGH THE UPPERMOST SOIL SURFACE OR ENGINEERED MEDIA SURFACE WITHIN 48 HOURS. PERMITTEES MUST ROUTE ADDITIONAL FLOWS THAT CANNOT INFILTRATE WITHIN 48 HOURS TO BYPASS THE SYSTEM THROUGH A STABILIZED DISCHARGE FOINT. [MIN. R. 799] 16.9 PERMITTEES MUST PROVIDE A MEANS TO VISUALLY VERIFY THE INFILTRATION SYSTEM IS DISCHARGING THROUGH THE SOIL SURFACE OR FILTER MEDIA SURFACE WITHIN 48 HOURS OR LESS. [MINN. R. 7690]

16.10 PERMITTEES MUST PROVIDE AT LEAST ONE SOIL BORING, TEST PIT OR INFILTROMETER TEST IN THE LOCATION OF THE INFILTRATION PRACTICE FOR DETERMINING INFILTRATION RATES. [MINN. R, 7090]

16.11 FOR DESIGN PURPOSES, PERMITTEES MUST DIVIDE FIELD MEASURED INFLITATION RATES BY 2 AS A SAFETY FACTOR OR PERMITTEES CAN USE SOIL-BORING RESULTS WITH THE INFLITATION RATE CHART IN THE MINNESOTA STORMWATER MANUAL TO DETERMINE DESIGN INFLITATION ARATES, MEND SOIL, DERINGTES SHOULD PERFORM FIELD MEASUREMENTS TO VERIFY THE RATE IS NOT AROVE 6.3 INCHES PER HOUR. THIS FERMIT PROHIBITS INFLITATION FACE IS ABOVE 6.3 INCHES PER HOUR. MINN. R. 75091 INFLICTION IN THE FLEED PRESIDED INFLICATION SHEETS REQUESTED SESSION. THE SYMPONY FLEED FLEED FLEED INFLICTION FOR THE SESSION FLEED FLEED SEPARATION FROM THE SEASONALLY SATURATED SOILS (OR FROM BEDROCK) AND THE BOTTOM OF THE PROPOSED INFLITRATION SYSTEM, FIRM, R. 7.050]

16.13 PERMITTEES MUST DESIGN A MAINTENANCE ACCESS, TYPICALLY EIGHT (8) FEET WIDE, FOR THE INFILTRATION SYSTEM. [MINN. R. 7090]

16.14 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS THAT RECEIVE RUNOFF FROM VEHICLE FUELING AND MAINTENANCE AREAS INCLUDING CONSTRUCTION OF INFILTRATION SYSTEMS NOT REQUIRED BY THIS FERMIT, ININN. R. 70901

ITHIS PERMIT. (MINN. K. 7.09U)

16.15 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS WHERE INFILTRATING STORMWATER MAY MOBILIZE HIGH LEVELS OF CONTAMINANTS IN SOIL OR GROUNDWATER, PERMITTEES MUST EITHER COMPLETE THE PROVAD SCHAMMANTION SCREENING CHECKLIST FOR CONDUCT THEIR OWN ASSESSMENT TO DETERMINE TH SUITABILITY FOR INFILTRATION, PERMITTEES MUST RETAIN THE CHECKLIST OR ASSESSMENT WITH THE SWIPP, FOR MORE MFORMATION AND TO ACCESS THE MECAS "CONTAMINATION SCREENING CHECKLIST" SET THE MINNESOYA STORMWATER OF THE MEMORY OF THE MEMORY OF THE MEMORY OF THE MINNESOYA STORMWATER OF THE MEMORY OF THE MEMOR

16.17 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS IN AREAS WITH LESS THAN THREE (3) FEET OF SEPARATION DISTANCE FROM THE BOTTON OF THE IMPLITATION SYSTEM TO THE ELEVATION OF THE SEASONALLY SATURATES SOILS OF THE TOP OF BEDROCK, (MINN. R. 7090)

16.16 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS IN AREAS OF PREDOMINATELY HYDROLOGIC SOIL GROUP TYPE D SOILS (CLAY), (MINN. R. 7090] 16.19 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS WITHIN A DRINKING WATER SUPPLY MANAGEMENT AREA (DWSMA) AS DEFINED IN MINN. R. 4720.5100, SUBP. 13, IF THE SYSTEM WILL BE LOCATED:

A. IN AN EMERGENCY RESPONSE AREA (ERA) WITHIN A DWSMA CLASSIFIED AS HAVING HIGH OR VERY HIGH VULNERABILITY AS DEFINED BY THE MINNESOTA DEPARTMENT OF HEALTH; OR

B. IN AN ERA WITHIN A DWSMA CLASSIFIED AS MODERATE VULNERABILITY UNLESS A REGULATED MS4 PERMITTEE PERFORMED OR APPROVED A HIGHER LEVEL OF ENGINEERING REVIEW SUFFICIENT TO PROVIDE A FUNCTIONING TREATMENT SYSTEM AND TO PREVENT ADVERSE IMPACTS TO GROUNDWARE; OR

C. OUTSIDE OF AN ERA WITHIN A DWSMA CLASSIFIED AS HAVING HIGH OR VERY HIGH VULNERABILITY, UNLESS A REGULATED MS4 PERMITTEE PERFORMED OR APPROVED A HIGHER LEVEL OF ENGINEERING REVIEW SUFFICIENT PROVIDE A FUNCTIONING TREATMENT SYSTEM AND TO PREVENT ADVESSE IMPACTS TO REQUIDIDMENT OR DEVENT AND TO THE STATEMENT OF THE PROVIDED AS THE STATEMENT OF THE PROVIDED AS THE SEE "HIGHER LEVEL OF ENGINEERING REVIEW" IN THE MINNESOTA STORMWATER MANUAL FOR MORE INFORMATION. [MINN. R. 7000]

16.20 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS IN AREAS WITHIN 1,000 FEET UPGRADIENT OR 100 FEET DOWNGRADIENT OF ACTIVE KARST FEATURES. [MINN. R. 7090] TO ALLIVE SHEMIT PROHIBITS PERMITTEES FROM CONSTRUCTION INFILTRATION SYSTEMS IN AREAS THAT RECEIVE RUNOF FROM THE FOLLOWING INDUSTRIAL FACILITIES NOT AUTHORIZED TO INFILTRATE STORMWATER UNDER THE RIPES STORMWATER PREMIT FOR INDUSTRIAL ACTUITIES: AUTHORIZED TO INFILTRATE STORMWATER UNDER THE RIPES STORMWATER PREMIT FOR INDUSTRIAL ACTUITIES: AUTHORIZED SALVAGE VAROS); SCAPE RECYCLING AND WASTE RECYCLING FACILITIES; HAZARODUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES; OR AIR TRANSPORTATION FACILITIES THAT CONDUCT DETCING ACTUITIES, IMMIN R. 709 DETCINED THAT CONDUCT DETCING ACTUITIES, IMMIN R. 709 DETCINED THE CONDUCT DETCING ACTUITIES THAT OR THE PROMIT OF THE PROMITE OF THE PROMIT OF THE 17.1 FILTRATION SYSTEMS. [MINN, R. 7090]

17.2 FILTRATION OPTIONS INCLUDE, BUT ARE NOT LIMITED TO: SAND FILTERS WITH UNDERDRAINS, BIOFILTRATION AREAS, SWALES USING UNDERDRAINS WITH IMPERMEABLE CHECK DAMS AND UNDERGROUND SAND FILTERS. IF PERMITTEES UTILIZE A FILTRATION SYSTEM TO MEET THE PERMANENT STORMWATER TREATMENT REQUIREMENTS OF THIS PERMIT, THEY MUST COMPLY WITH TEMS 17.3 THROUGH 17.1.1 [MINN. R. 7090]

17.3 PERMITTEES MUST NOT INSTALL FILTER MODIA UNTIL THY CONSTRUCT AND FULLY STABILIZE THE CONTRIBUT DARIANGE AREA UNLESS THEY PROVIDE RIGOROUS RESOIDN PREVENTION AND SEDIMENT CONTROLS (E.G., DIVERS BERNS) TO KEEP SEDIMENT AND RUNOFF COMPLETELY AWAY FROM THE FILTRATION AREA, [MINN. R. 2990]

17.4 PERMITTEES MUST DESIGN FILTRATION SYSTEMS TO REMOVE AT LEAST 80 PERCENT OF TSS. (MINN. R. 7050)

17.6 PERMITTEES MUST DESIGN FILTRATION SYSTEMS TO TREAT A WAYER QUALITY VOLUME (CALCULAYED AS AN INSTANTANEOUS VOLUME) OF ONE (1) INCH OF RUNOFF, OR ONE (1) INCH MINUS THE VOLUME OF STORMWATER TREATE BY ANOTHER SYSTEM ON THE SITE, FROM THE NET INCREASE OF IMPERVIOUS SURFACES CREATED BY THE PROJECT. (MIN R. 7.090)

R, 7990]
17.7 PERNITTEES MUST DESIGN THE FILTRATION SYSTEM TO DISCHARGE ALL STORMWATER (INCLUDING STORMWATER IN EXCESS OF THE WATER QUALITY VOLUME) ROUTED TO THE SYSTEM THROUGH THE UPPERMOST SOIL SURFACE OR EMCINEERED MEDIA SURFACE WITHIN 48 HOURS. ADDITIONAL FLOWS THAT THE SYSTEM CANNOT FILTER WITHIN 48 HOURS MUST BYPASS THE SYSTEM OR DISCHARGE THROUGH AN EMERGENCY OVERFLOW. [MINN. R. 7950]

17.8 PERMITTEES MUST DESIGN THE FILTRATION SYSTEM TO PROVIDE A MEANS TO VISUALLY VERIFY THE SYSTEM IS DISCHARGING THROUGH THE SOIL SURFACE OR FILTER MEDIA WITHIN 48 HOURS. [MINN. R. 7090] 12.9 PERMITTEES MUST EMPLOY APPROPRIATE ON-SITE TESTING TO ENSURE A MINIMUM OF THREE (3) FEET OF SEPARATION BETWEEN THE SEASONALLY SATURATED SOILS (OR FROM BEDROCK) AND THE BOTTOM OF THE PROPOSED FILTRATION SYSTEM. IMIN. R. 7.090]

73.10 PERMITTEES MUST ENSURE THAT FILTRATION SYSTEMS WITH LESS THAN THREE (3) FEET OF SEPARATION BETWEEN SEASONALLY SATURATED SOILS OR FROM BEDROCK ARE CONSTRUCTED WITH AN IMPERMEABLE LINER. [MINN. R. 7090] 17.11 THE PERMITTEES MUST DESIGN A MAINTENANCE ACCESS, TYPICALLY EIGHT (8) FEET WIDE, FOR THE FILTRATION SYSTEM (MINN R. 7090)

18.1 WET SEDIMENTATION BASIN. [MINN. R. 7090]

18.2 PERMITTEES USING A WET SEDIMENTATION BASIN TO MEET THE PERMANENT STORMWATER TREATMENT
REQUIREMENTS OF THIS PERMIT MUST INCORPORATE THE DESIGN PARAMETERS IN ITEM 18.3 THROUGH 18.10. (MINN. R.

18.3 PERMITTEES MUST DESIGN THE BASIN TO HAVE A PERMANENT VOLUME OF 1,800 CUBIC FEET OF STORAGE BELOW THE OUTLET PIPE FOR EACH ACRE THAT DRAINS TO THE BASIN. THE BASIN'S PERMANENT VOLUME MUST REACH A MINIMUM BEPTH OF AT LEAST THREE (3) FEET AND MUST HAVE NO DEPTH GREATER THAN 10 FEET. PERMITTEES MUST CONFIGURE THE BASIN TO MINIMIZE SCOUN OR RESUSPENSION OF SOLIDS. (MINN. R. 7990)

18.4 PERMITTEES MUST DESIGN THE BASIN TO PROVIDE LIVE STORAGE FOR A WATER QUALITY VOLUME (CALCULATED AS AN INSTANTANCOUS VOLUME) OF ONE (1) INCH OF RUNOFF, OR ONE (1) INCH MINUS THE VOLUME OF STORMWATER TREATED BY ANOTHER SYSTEM ON THE SITE, FROM THE NET INCREASE IN IMPERVIOUS SURFACES CREATED BY THE PROJECT. [MINN. R, 7690]

R. 7590]
18.5 PERMITTEES MUST DESIGN BASIN OUTLETS SO THE WATER QUALITY VOLUME DISCHARGES AT NO MORE THAN 5.66
CUBIC FEET PER SECOND (CFS) PER ACRE OF SURFACE AREA OF THE BASIN, [MINN, R, 7090]

LOBA, FEEL FEE SECURD (LFS) PER ALKE OF SURFACE AREA OF THE BASIN, [MINN, R. 7990]

18.6 PERMITTEES MUST DESIGN BASIN OUTLETS TO REPEVEN SURFICE. COLORING AND THE DISCHARGE OF FLOATING DEERIS. BASIN OUTLETS MUST HAVE EVERGY DISSIPATION, [MINN, R. 7990]

18.7 PERMITTEES MUST DESIGN THE BASIN TO INCLUDE A STABILIZED EMERGENCY OVERFLOW TO ACCOMMODATE STORM EVENTS IN EXCESS OF THE BASIN'S HYDRAULC DESIGN, [MINN, R. 7990]

18.6 PERMITTEES MUST DESIGN A MAINTENANCE ACCESS, TYPICALLY EIGHT (8) FEET WIDE, FOR THE BASIN. [MINN, R. 7990]

1999). The SPERMITTEES MUST LOCATE BASINS OUTSIDE OF SURFACE WATERS AND ANY BUFFER ZONE REQUIRED IN ITEM 23.11. PERMITTEES MUST DESIGN BASINS TO AVOID DRAINING WATER FROM WETLANDS UNLESS THE IMPACT TO THE WETLAND COMPLES WITH THE REQUIRENEXTS OF SECTION 22, (MINN. R. 7595)

18.10 PERMITTEES MUST DESIGN BASINS USING AN IMPERMEABLE LINER IF LOCATED WITHIN ACTIVE KARST TERRAIN.

19.1 REGIONAL WET SEDIMENTATION BASINS. [MINN. R. 7090]
19.2 WHEN THE ENTIRE WATER QUALITY VOLUME CANNOT BE RETAINED ONSITE, PERMITTEES CAN USE OR CREATE
REGIONAL WET SEDIMENTATION BASINS PROVIDED THEY ARE CONSTRUCTED BASINS, NOT A NATURAL WETLAND OR WATER
BODY, (WETLANDS USED AS REGIONAL BASINS MUST BE MITIGATED FOR, SEE SECTION 22). THE OWNER MUST ENSURE THE
BODY, (WETLANDS USED AS REGIONAL BASINS MUST BE MITIGATED FOR, SEE SECTION 22). THE OWNER MUST ENSURE THE
REGIONAL BASIN CONFORMS TO ALL REQUIREMENTS FOR A WET SEDIMENTATION BASIN AS DESCRIBED IN 11PMS 18.3
THROUGH 18.10 AND MUST BE LARGE RHOUGH TO ACCOUNT FOR THE ENTIRE AREA THAT DRAINS TO THE REGIONAL BASIN
PERMITTEES MUST VERRY THAT THE REGIONAL BASIN MILL DISCHARGE AT NO MORE THAN 15.6 CFS PER ACRO SURFACE
AREA OF THE BASIN AND MUST FROVIDE A LIVE STORAGE VOLUME OF ONE INCH TIMES ALL THE IMPERVIOUS AREA
DRAINING TO THE BASIN FROM THE SECONDAL BASIN MILL AND THE RESIDNAL BASIN. THE OWNER MUST OBTAIN WRITTEN AUTHORIZATION FROM THE APPLICABLE LGU OR PRIVATE ENTITY
THAT OWNS AND MAINTAINS THE REGIONAL BASIN. [MINN. R. 7090]

2D.2 PERMITTEES MUST KEEP THE SWPPP, INCLUDING ALL CHANGES TO IT, AND INSPECTIONS AND MAINTENANCE RECORDS AT THE SITE DURING NORMAL WORKING HOURS BY PERMITTEES WHO HAVE OPERATIONAL CONTROL OF THAT PORTION OF THE SITE, IN

21.1 TRAINING REQUIREMENTS, [MINN, R. 7090]

21.2 PERMITTERS MUST ENSURE ALL OF THE FOLLOWING INDIVIDUAL'S RECEIVE TRAINING AND THE CONTENT AND EXTENT OF THE TRAINING IS COMMENSURATE WITH THE INDIVIDUAL'S JOB DUTIES AND RESPONSIBILITIES WITH REGARD TO ACTIVITIES COVERED UNDER THIS PERMIT:

A. INDIVIDUALS PREPARING THE SWPPP FOR THE PROJECT,

B. INDIVIDUALS OVERSEEING IMPLEMENTATION OF, REVISING AND/OR AMENDING THE SWPPP AND INDIVIDUALS PERFORMING INSPECTIONS FOR THE PROJECT. ONE OF THESE INDIVIDUALS MUST BE AVAILABLE FOR AN ONSITE INSPECTION WITHIN 72 HOURS

21.3 PERMITTEES MUST ENSURE INDIVIDUALS IDENTIFIED IN SECTION 21 RECEIVE TRAINING FROM LOCAL, STATE, FIDERAL AGENCIES, PROFESSIONAL ORGANIZATIONS, OR OTHER ENTITIES WITH EXPERTISE IN EROSION PREVENTION, SEDIMENT CONTROL, PERMANENT STORMAYTER TREATMENT AND THE MINNESOTA MPDES/SDS CONSTRUCTION STORMWATER PERMIT. PERMITTEES MUST ENSURE THESE INDIVIDUALS ATTEND A REFRESHER-TRAINING COURSE EVERY THREE (3) YEARS, IMINN.

24.1 GENERAL PROVISIONS, [MINN, R. 7090]

24.2 IF THE MPCA DETERMINES THAT AN INDIVIDUAL PERMIT WOULD MORE APPROPRIATELY REGULATE THE CONSTRUCTION ACTIVITY, THE MPCA MAY REQUIRE AN INDIVIDUAL PERMIT TO CONTINUE THE CONSTRUCTION ACTIVITY. COVERAGE UNDER HIS GENERAL RERMIT WILL REMAIN IN EFFECT UNTIL THE MECA ISSUES AN INDIVIDUAL PERMIT, RIMNE. R. 7001.0210,

24.3 IF THE PERMITTEE CANNOT MEET THE TERMS AND CONDITIONS OF THIS GENERAL PERMIT, AN OWNER MAY REQUEST AN INDIVIDUAL PERMIT, IN ACCORDANCE WITH MINN. R. 7001.0210 SUBP. 6. [MINN. R. 7001.0210, SUBP. 6] 24.4 ANY INTERESTED PERSON MAY PETITION THE MPCA TO REQUIRE AN INDIVIDUAL NPDES/SDS PERMIT IN ACCORDANCE WITH 40 CFR 122.28(B)(3). [40 CFR 122.29(B)(3)]

2.4.5 PERMITTEES MUST MAKE THE SIMPPP, INCLUDING ALL INSPECTION REPORTS, MAINTENANCE RECORDS, TRAINING RECORDS AND OTHER INFORMATION REQUIRED BY THIS PERMIT, AVAILABLE TO FEDERAL, STATE, AND LOCAL OFFICIALS WITHIN THREE (3) DAYS UPON REQUEST FOR THE DURATION OF THE PERMIT AND FOR THREE (3) YEARS FOLLOWING THE NOT. [MINN. R. 7990]

24.6 PERMITTEES MAY NOT ASSIGN OR TRANSFER THIS PERMIT EXCEPT WHEN THE TRANSFER OCCURS IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF ITEM 3.7 AND 3.8. [MINN, R. 7090]

WITH THE APPLICABLE REQUIREMENTS OF ITEM 3.7 AND 3.8. [MINN. R. 7090]
24.7 NOTHING IN THIS PERMIT MUST BE CONSTRUED TO RELEVE THE PERMITTEES FROM CIVIL OR CRIMINAL PENALTIES
FOR NONCOMPLANCE WITH THE TERMS AND CONDITIONS PROVIDED HERRIN. NOTHING IN THIS PERMIT MUST BE
CONSTRUED TO PRECLUDE THE INITIATION OF ANY LEGAL ACTION OR RELEVE THE PERMITTEES FROM ANY
RESPONSIBILITIES, LIABILITIES, OF PENALTIES TO WHICH THE PERMITTEES (SAPE OR ANY BE SUBJECT TO UNDER SECTION
313 OF THE CLEAN WATER ACT AND MINN. STAT. SECT. 115 AND 116, AS AMENCED. PERMITTEES ARE NOT LIABLE FOR
TRANSFERRED TO ANOTHER PARTY AS REQUIRED IN 1TEM 1.7 OR THE PERMITTEES THE HE PERMIT HAS BEEN
IN SECTION 4. [MINN. R. 7090]

IN SECTION 1. (MININ A. 7.094)
24.8. THE PROVISIONS OF THIS PERMIT ARE SEVERABLE. IF ANY PROVISION OF THIS PERMIT OR THE APPLICATION OF ANY PROVISION OF THIS PERMIT TO AMY CIRCUMSTANCES IS HELD INVALID, THE APPLICATION OF SUCH PROVISION TO OTHER CIRCUMSTANCE, AND THE REMAINDER OF THIS PERMIT MUST NOT BE AFFECTED THEREBY. (MININ R. 7.090) 24.9 THE PERMITTEES MUST COMPLY WITH THE PROVISIONS OF MINN. R. 7001.0150, SUBP. 3 AND MINN. R. 7001.1090, SUBP. 1(A), 1(B), 1(C), 1(H), 1(J), 1(J), 1(K), AND 1(L). [MINN. R. 7090]

24.10 THE PERMITTEES MUST ALLOW ACCESS AS PROVIDED IN 40 CFR. 122.41(1) AND MINN. STAT. SECT. 115.04. THE PERMITTEES MUST ALLOW REPRESENTATIVES OF THE MICA OR ANY MEMBER, EMPLOYEE OR AGENT THEREOF, WHEN AUTHORIZED BY IT, UPON PRESENTATION OF CEDENTIALS OF CONTEXT POOR ANY PROPERTY, PUBLIC OR PRIVATE, FOR THE PURPOSE OF OBTAINING INFORMATION OR EXAMINATION OF RECORDS OR CONDUCTING SURVEYS OR INVESTIGATIONS, (40 CFR 122.41(1)).

2.1 I FOR THE PURPOSES OF MINN, R. 7090 AND OTHER DOCUMENTS THAT REFERENCE SPECIFIC SECTIONS OF THIS PERMIT, "STORMWATER DISCHARGE DESIGN REQUIREMENTS" CORRESPONDS TO SECTIONS 5, 6 AND 14 THROUGH 21; "CONSTRUCTION ACTIVITY REQUIREMENTS" CORRESPONDS TO SECTIONS 7 THROUGH 33; AND "APPENDIX A" CORRESPONDS TO SECTIONS 22 AND 22, [MINN, R. 7090]

ENGINE 6776 LAK SUITE 11



DRAWN BY:
AG
JOB NO:
23-2122
CHECK BY:
MQA ar duty I hereby certify that this pla or under my direct supervit licensed professional engit the State of Minnesota.

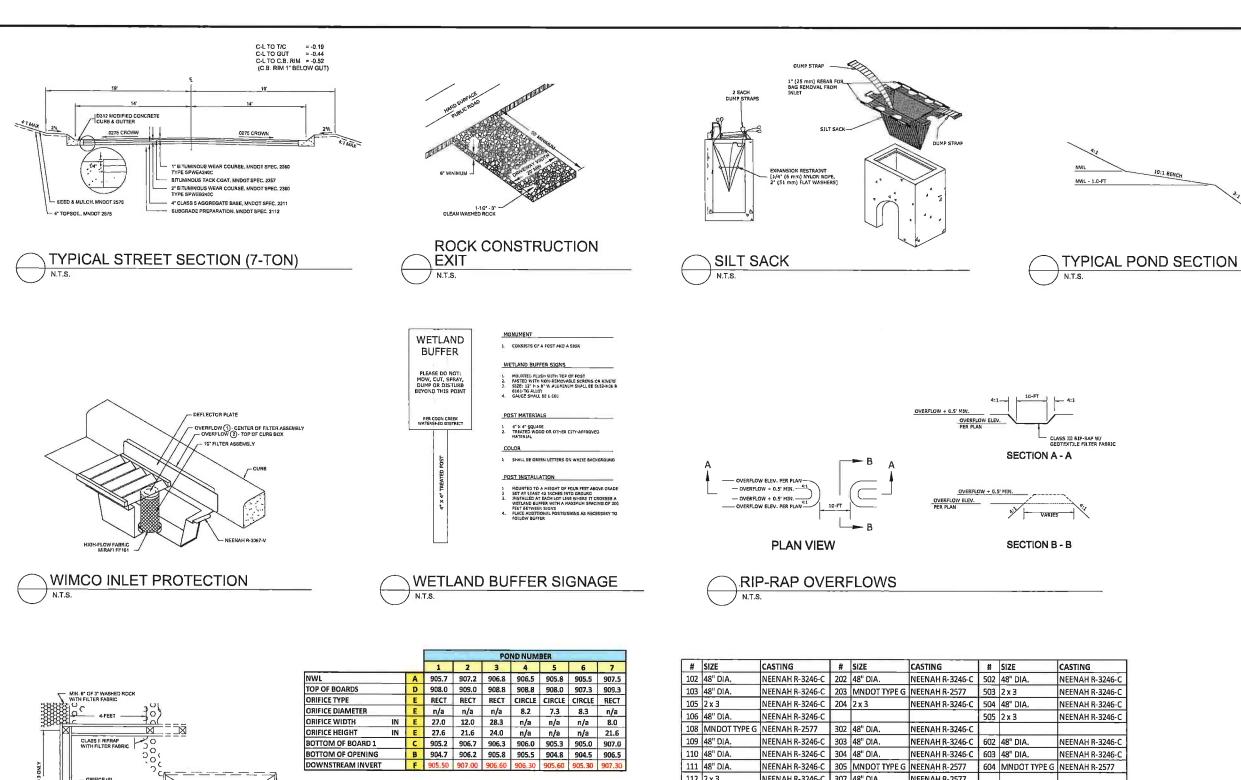
SHEET

ES

STATI

CHAPEL HAM LAKE, MN

SWEDISH



3	906.5	905.8	905.5	907.5		102	48" DIA	NEENAH R-3246-C	202	48" DIA.	NEENAH R-3246-C	502	48" DIA.	NEENAH R-3246-C
3	908.8	908.0	907.3	909,3		103	48" DIA.	NEENAH R-3246-C	203	MNDOT TYPE G	NEENAH R-2577	503	2 x 3	NEENAH R-3246-C
_	CIRCLE	CIRCLE	CIRCLE	RECT		105	2 x 3	NEENAH R-3246-C	204	2 x 3	NEENAH R-3246-C	504	48" DIA.	NEENAH R-3246-C
	8.2	7.3	8.3	n/a		106	48" DIA.	NEENAH R-3246-C				505	2 x 3	NEENAH R-3246-C
-	n/a n/a	n/a n/a	n/a n/a	8.0 21.6	Ι	108	MNDOT TYPE G	NEENAH R-2577	302	48" DIA.	NEENAH R-3246-C			
,	906.0	905.3	905.0	907.0		109	48" DIA.	NEENAH R-3246-C	303	48" DIA.	NEENAH R-3246-C	602	48" DIA.	NEENAH R-3246-C
3	905.5	904.8	904.5	906.5		110	48" DIA.	NEENAH R-3246-C	304	48" DIA.	NEENAH R-3246-C	603	48" DIA.	NEENAH R-3246-C
0	906.30	905.60	905.30	907.30		111	48" DIA.	NEENAH R-3246-C	305	MNDOT TYPE G	NEENAH R-2577	604	MNDOT TYPE G	NEENAH R-2577
						112	2 x 3	NEENAH R-3246-C	307	48" DIA.	NEENAH R-2577			
					L	113	48" DIA.	NEENAH R-3246-C				702	48" DIA.	NEENAH R-3246-C
					114	48" DIA.	NEENAH R-3246-C	402	48" DIA.	NEENAH R-3246-C	703	48" DIA.	NEENAH R-3246-C	
וענ	LET PIPE (SE	E UTILITY PI	LANS		Ĺ	115	48" DIA.	NEENAH R-3246-C	403	2 x 3	NEENAH R-3246-C	704	48" DIA.	NEENAH R-3246-C
K	LENGTH, SLO	PE AND INV	ERIS)			122	48" DIA.	NEENAH R-3246-C	404	48" DIA.	NEENAH R-3246-C	705	MNDOT TYPE G	NEENAH R-2577
				<u> </u>	L	123	2 x 3	NEENAH R-3246-C	405	48" DIA.	NEENAH R-3246-C	706	48" DIA.	NEENAH R-3246-C
				(F)		124	48" DIA.	NEENAH R-3246-C	406	2 x 3	NEENAH R-3246-C	707	2 x 3	NEENAH R-3246-C
						125	48" DIA.	NEENAH R-3246-C						
						126	2 x 3	NEENAH R-3246-C				802	MNDOT TYPE G	NEENAH R-2577
RE						127	48" DIA,	NEENAH R-3246-C						
•6					[128	2 x 3	NEENAH R-3246-C						
						130	48" DIA.	NEENAH R-3246-C						
						131	48" DIA.	NEENAH R-3246-C						
					132	2 x 3	NEENAH R-3246-C							

PLAN VIEW

POND OUTLET BAFFLE WEIR

NOTES:

1. USE 4' MAXIMUM SPACING BETWEEN POSTS
2. STAINLESS STEEL NON-RUSTING BOLTS
REQUIRED.

- MIN. EMBEDMENT 2' FROM TOP OF BOARD

(D) TOP OF BOARDS

SIDE VIEW

C3.1

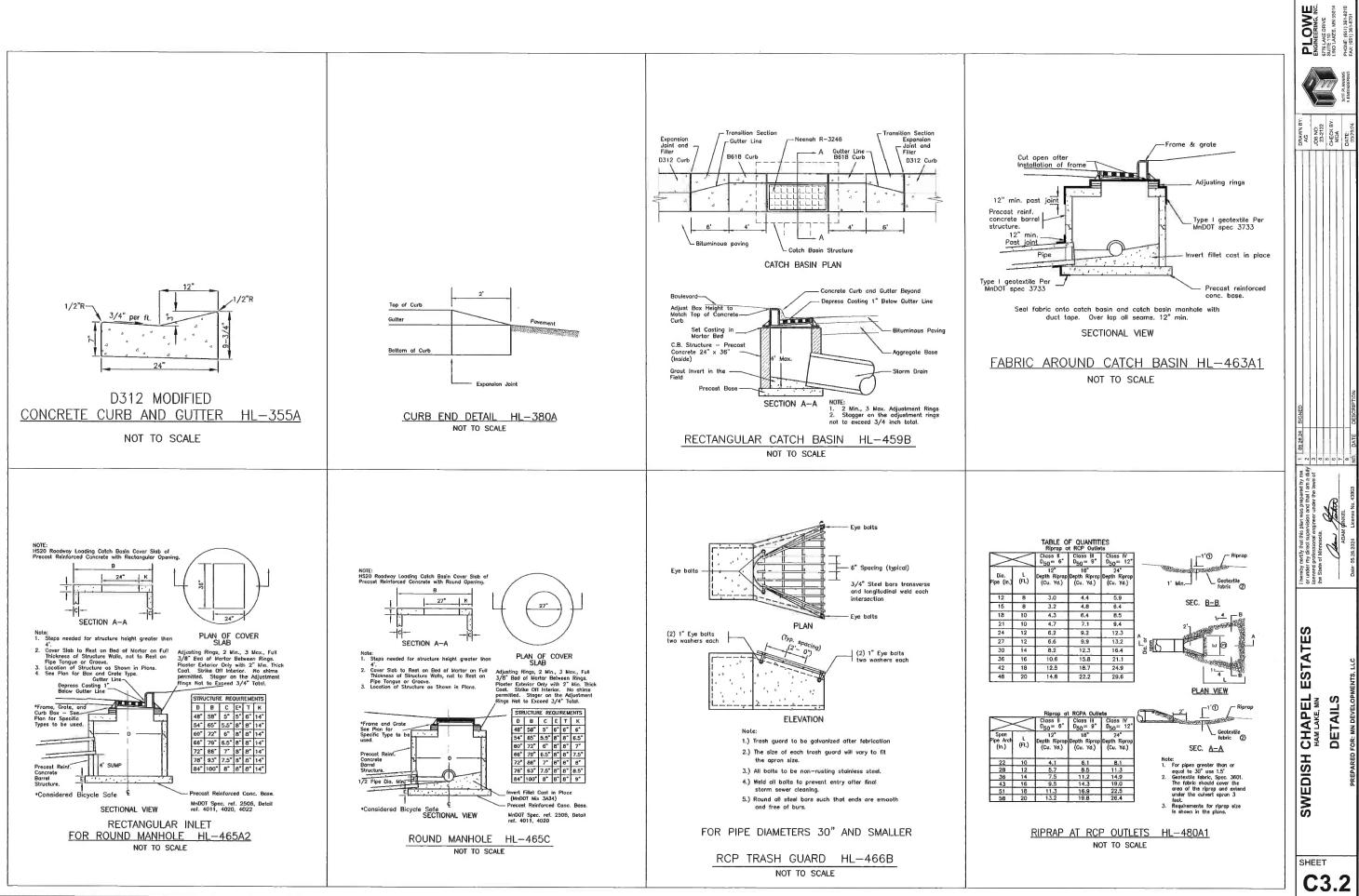
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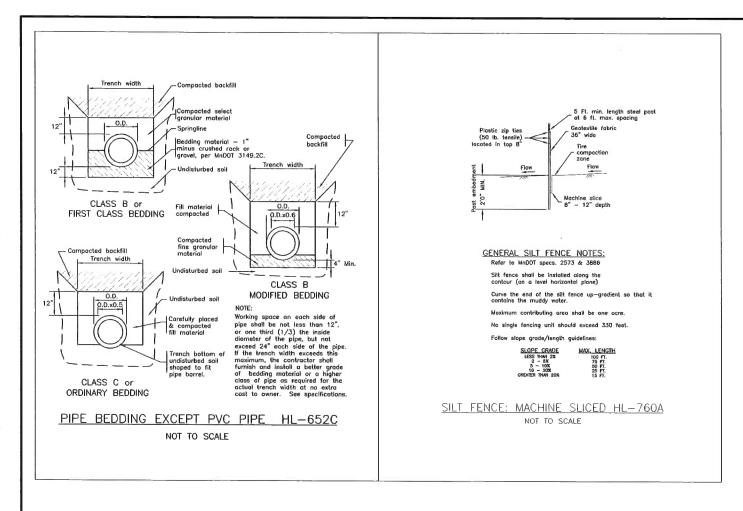
SWEDISH CHAPEL ESTATES

DETAILS

04.10.24 RFC & CCWD COMMENTS
05.22.24 RFC REVIEW COMMENTS
05.28.24 RFC REVIEW COMMENTS

23-212





PLOWE ENGINEERING, INC. 6776 LAKE DRIVE SUITE 110 LINO LAKES, MN 55014

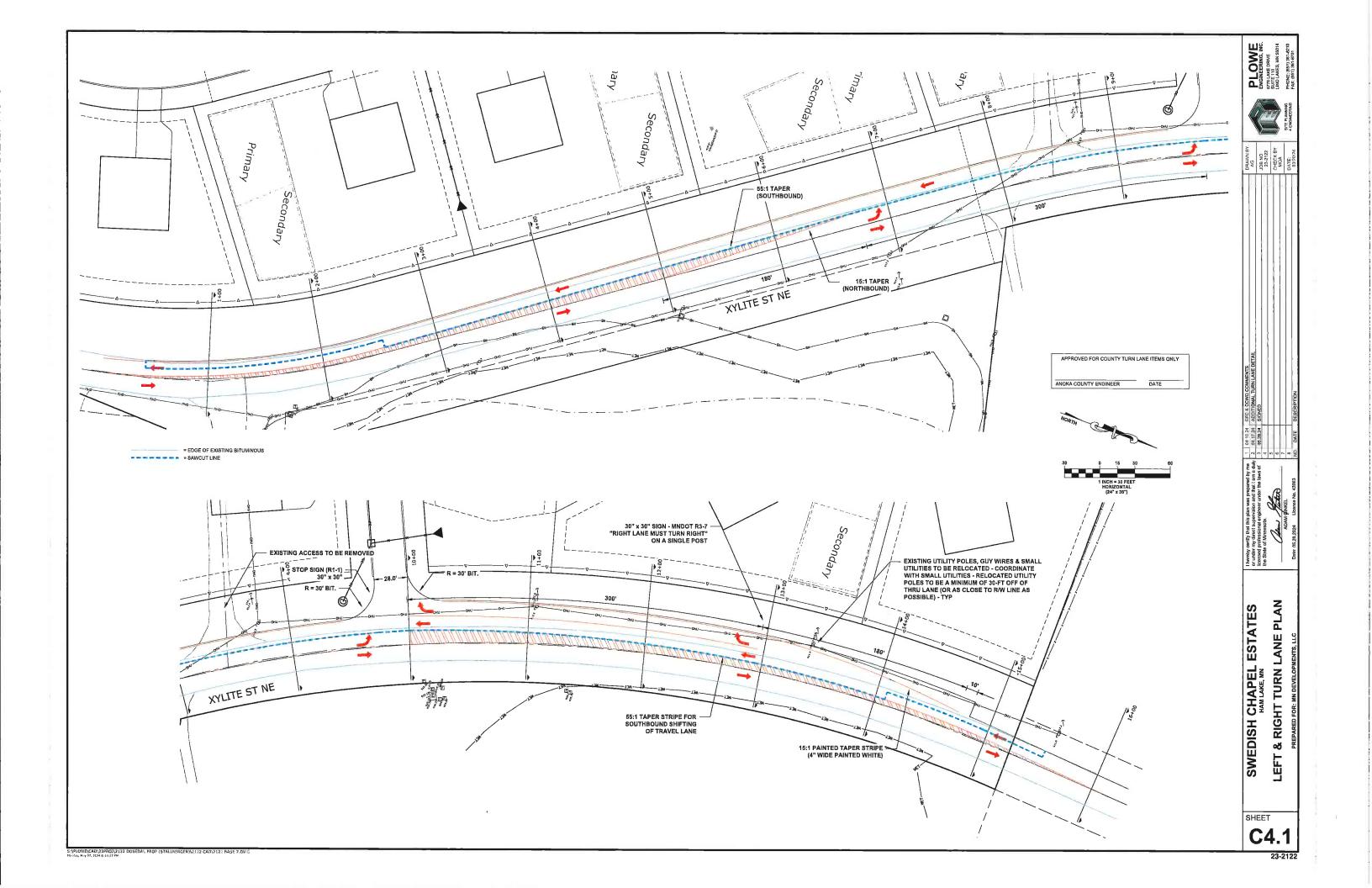


this plan was prepared by me	04.10.24	this plan was prepared by me 1 04:10.24 ICH. A CCWD COMMENTS	UKAWNBY
	05.28.24	05.28.24 SIGNED	AG.
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SWEDISH CHAPEL ESTATES DETAILS

SHEET

C3.3



GENERAL NOTES

- THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF EXISTING UTLITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS NECESSARY TO AVOID DAMAGE TO THESE UTILITIES.

- AND LOCATION OF UTILITIES AS NECESSARY TO AVOID DAMAGE TO THESE UTILITIES.

 CALL "811" FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY EXCAVATIONS.

 THE CONTRACTOR SHALL FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF INSTALLATIONS.

 INSTALLATIONS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS AND DETAIL PLATES.

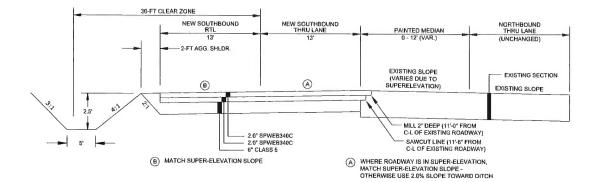
 STORAGE OF MATERIALS OR EQUIPMENT SHALL NOT BE ALLOWED ON PUBIL C STREETS OR WITHIN PUBIL C RICH-TOF-WAY.

 NOTIFY CITY AND COON CREEK WATERSHED DISTRICT (CCWD) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

 ALL ELECTRIC, TELEPHONE, AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY ODSCONNECTIONS SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY.

APPROVED FOR COUNTY TURN LANE ITEMS ONLY DATE ANOKA COUNTY ENGINEER

XYLITE ST NE SOUTHBOUND RIGHT TURN LANE



- NOTES

 1. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH MINDOT SPECIFICATIONS (LATEST EDITION)

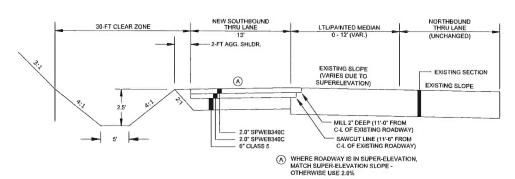
 2. ALL DISTURBED SOIL WITHIN COUNTY RIGHT-OF-WAY MUST BE SEEDED (MINDOT 25-141) & MULCHED (TYPE 1, DISC ANCHORED)

 3. USE ALL STRAW FIBER BLANKET FOR DITCH SLOPES OF 3:1 OR GREATER

 4. PAYEMENT MARKINGS SHALL BE EPOXY

 5. CONTRACTOR TO CONTACT ANOKA COUNTY PERMITS SECTION AT (763) 324-3176 TO OBTAIN THE RIGHT-OF-WAY PERMIT.

XYLITE ST NE NORTHBOUND LEFT TURN LANE



- NOTES

 1. ALL INSTALLATIONS SHALL BE IN ACCORDANCE WITH MINDOT SPECIFICATIONS (LATEST EDITION)

 2. ALL DISTURBED SOIL WITHIN COUNTY RIGHT-OF-WAY MUST BE SEEDED (MINDOT 25-141) & MULCHED (TYPE 1, DISC ANCHORED)

 3. USE ALL STRAW FIBER BLANKET FOR DITCH SLOPES OF 3:1 OR GREATER

 4. PAVEMENT MARKINGS SHALL BE EPOXY

 5. CONTRACTOR TO CONTACT ANOKA COUNTY PERMITS SECTION AT (763) 324-3176 TO OBTAIN THE RIGHT-OF-WAY PERMIT.

PLOWE
ENGINEERING, INC.
6776 LAKE DRIVE
SUITE 110
LINO LAKES, MN 55014
PROVE. (651) 361-6210



	V///=	=9	
DRAWN BY: AG	JOB NO: 23-2122	CHECK BY: MOA	DATE

I hereby cardly that this plan was prepared by me or under my direct supervision and that I am a duty lisensed professional engineer under the laws of the State of Minnesota.

& RIGHT TURN LANE PLAN ESTATES

SWEDISH CHAPEL HAM LAKE, MN LEFT

SHEET

C4.2

APPROVED FOR COUNTY TURN LANE ITEMS ONLY

ANOKA COUNTY ENGINEER

DATE

| Second | S

ALL GREEN AREA SLOPES ARE 4:1 UNLESS OTHERWISE NOTED
S.E. = SUPER-ELEVATION
NS = NOT SUPER-ELEVATED

| 1+00 | VERTICAL SCALE = 1:30 | PORTICONTAL SCA 940
VERTICAL SCALE = 1:35
HORIZONTAL SCALE = 1:30

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SWEDISH CHAPEL ESTATES HAW LAKE, MIN

LEFT & RIGHT TURN LANE PLAN

PLOWE ENGINEERING, INC. 8775 LAKE DRIVE SUITE 110 LINO LAKES. MN 55014 PHONE: (651) 351-8210 FAX: (651) 351-8210

JOB NO: 23-2122 CHECK BY: MOA DATE:

this plan was programed by many and any analysis of the second and that I am a day 2 16/14/24 SHEET ADDED TO SET all dengineer under the laws of 3 552224 RPC REVIEW COMMENTS of 3 552224 RPC

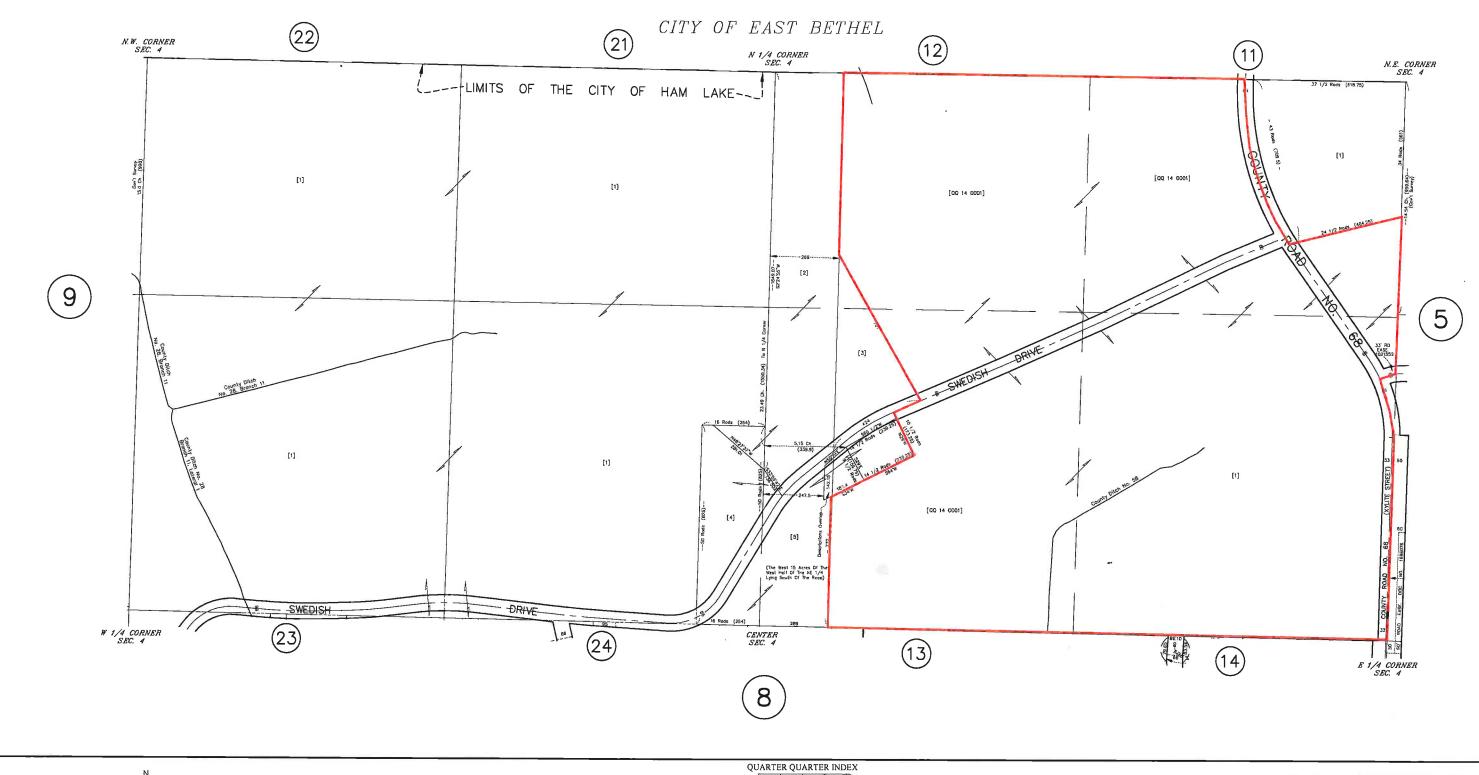
I hereby certify that to or under my direct so licensed professional the State of Minneso

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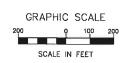
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N 1/2 SECTION 4, T. 32, R. 23

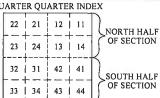
CITY OF HAM LAKE







ANOKA COUNTY SURVEYOR'S OFFICE ROOM 224 2100 3RD AVENUE ANOKA, MN 55303 (763) 324-3200



PROPERTY IDENTIFICATION NUMBER

Section Township Range Quarter Specific Number Number Quarter Parcel

XX XX XX XX XX XXXXXXXXXXXXXSPECIFIC PARCEL NUMBERS ARE IN BRACKETS: [1] EXAMPLE OF PIN NUMBER: 04-32-23-13-0001

THIS IS A COMPILATION OF RECORDS AS THEY APPEAR IN THE ANOKA COUNTY OFFICES AFFECTING THE AREA SHOWN. THIS DRAWING IS TO BE USED ONLY FOR REFERENCE PURPOSES AND THE COUNTY IS NOT RESPONSIBLE FOR ANY INACCURACIES HEREIN CONTAINED.



Anoka County TRANSPORTATION DIVISION

Highway

Joseph J. MacPherson, PE County Engineer May 13, 2024

Adam Ginkel Plowe Engineering, Inc. 6776 Lake Dr, Suite 110 Lino Lakes, MN 55014

RE: Swedish Chapel Estates
Anoka County Review Comments

Dear Mr. Ginkel,

Anoka County has reviewed the Swedish Chapel Estates plan and has the following comments:

Engineering:

- As the right-turn lane is on the outside of the superelevated curve, please follow the requirements of the Road Design Manual (3-3.06).
- It would be helpful to show the superelevation slopes on the cross-sections
- There is an increase of 0.21 CFS shown in the 2-year storm into a wetland that drains into the County Ditch, but that shouldn't affect the flow into the ditch and is an amount which is probably within the margin of error for the software anyway, which is acceptable.

Construction:

No comments.

Traffic:

Please provide Traffic Control plans when available.

Please make any necessary revisions, create an updated plan and response letter addressing each review point in the above comments / questions, and inform us of any additional plan changes that may affect County Right-of-Way. Please resubmit the plan and response letter for review and / or approval.

If you have any questions regarding engineering comments, please contact Dan Frey at Daniel Frey@anokacountymn.gov or 763-324-3123.

For questions regarding construction comments, please contact Chris Osterhus at Chris.Osterhus@anokacountymn.gov or 763-324-3189.

For questions regarding maintenance comments, please contact Jim Plemon at Jim.Plemon@anokacountymn.gov or 763-324-3137.

For questions regarding traffic comments, please contact Sean Thiel at Sean. Thiel@anokacountymn.gov or 763-324-3132.

Sincerely,

Brandon T. Ulvenes

Bl. T. Ulm

Design Engineer

cc: File (Ham Lake)

Joe MacPherson, ACHD Jerry Auge, ACHD Sue Burgmeier, ACHD

I:\Eng\Plan Reviews\Ham Lake\2023\Swedish Chapel Estates (Stalberger)\ACHD Plan Review (05-13-24).docx

Meeting Date: November 13, 2023



To:

Planning Commissioners

From:

Denise Webster, City Administrator, on behalf of the Park Committee

(Mayor Kirkham and Councilmember Parranto)

Subject:

Consideration of Parkland Dedication for Jeff Stalberger, MN

Development LLC, requesting Sketch Plan approval for a development located at 2506 Swedish Drive NE (47 Residential Single-Family lots

and 1 Outlot) in Section 4

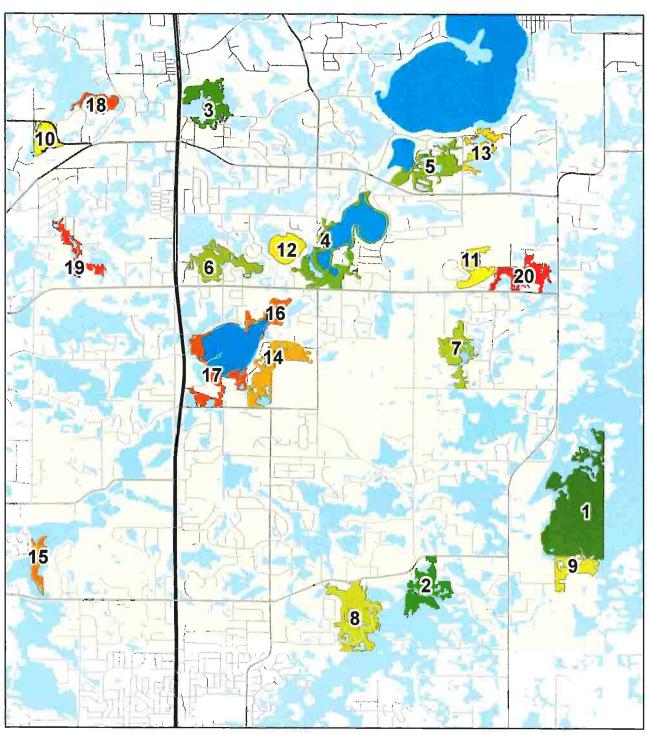
Introduction/Discussion:

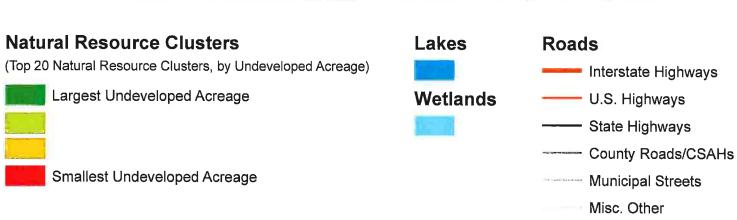
The Park Committee discussed the parkland dedication for Jeff Stalberger, MN Development LLC, Sketch Plan for a development located at 2506 Swedish Drive NE (47 Residential Single-Family lots and 1 Outlot) in Section 4. The Park Committee is requesting a 20-foot wide trail easement along the west side of Xylite Street NE (County Road 68), with the remaining in monies in lieu of parkland for the proposed development.

Recommendation:

It is the recommendation of the Park Committee to require a 20-foot wide trail easement along the west side of Xylite Street NE (County Road 68), and the remaining in monies in lieu of parkland for the Jeff Stalberger, MN Development LLC, Sketch Plan for a development located at 2506 Swedish Drive NE (47 Residential Single-Family lots and 1 Outlot) in Section 4.

Major Natural Resource Concentrations City of Ham Lake







NOTICE OF PERMIT APPLICATION STATUS

Project:

Swedish Chapel Estates

Date:

Click or tap to enter a date.

Applicant:

MN Developments, LLC Attn: Jeff Stallberger 17404 Ward Lake Dr NW Andover, MN 55304 MN Developments, LLC Attn: Jeff Stallberger 17404 Ward Lake Dr NW Andover, MN 55304

Permit Application#:

P-24-014

Purpose:

Construction of a single family home residential development

and associated stormwater treatment features.

Location:

2506 Swedish Dr NE, 2506 Swedish Dr NE, Ham Lake

At their meeting on 05/13/2024 the Board of Managers of the Coon Creek Watershed District **Approved with Conditions** the above referenced project with 4 conditions and 3 stipulations. **This is NOT a permit.**

Since the last submittal on 05/22/202405/02/202404/17/202404/10/2024, the following conditions remain which must be addressed before permit issuance.

- The outlet pipe size and orifice dimensions for Pond P1 are inconsistent between the proposed HydroCAD model and the utility plan/pond outlet baffle detail. Update for consistency.
- 2. The outlet pipe size for Pond P3 is inconsistent between the proposed HydroCAD model and utility plan. Update for consistency.
- 3. Submittal of Wetland Bank Credit Withdrawal Verification.
- 4. Submittal of a performance escrow in the amount of \$19,000.00.

Please be advised that **this is NOT a permit**, and that work without a permit is a violation of the terms of the Coon Creek Watershed District Rules. If you have any questions, please call 763-755-0975.

Sincerely,

Erin Margl

Watershed Development Coordinator

cc: File P-24-014

Adam Ginkel, Plowe Engineering, Inc.

Eileen Weigel, Stantec Danielle Tourtillott, Stantec Tom Collins, Ham Lake