

CITY OF HAM LAKE 15544 Central Avenue NE Ham Lake, Minnesota 55304

Ham Lake, Minnesota 5530 (763) 434-9555 Fax (763) 434-9599

CITY OF HAM LAKE PLANNING COMMISSION AGENDA MONDAY, JUNE 28, 2021

CALL TO ORDER: 6:00 p.m.

PLEDGE OF ALLEGIANCE

APPROVAL OF MINUTES: June 14, 2021

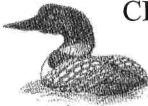
PUBLIC HEARINGS:

- **6:01 p.m.** Jeff Stalberger, HFN Properties, LLC., requesting Preliminary Plat approval and rezoning for Hidden Forest East Park Addition (2 Single Family Residential lots) in Section 25.
- **6:01 p.m.** Jeff Stalberger, HFN Properties, LLC., requesting Preliminary Plat approval and rezoning for Hidden Forest East 3rd Addition (38 Single Family Residential lots) in Section 25.
- **6:01 p.m.** Don and Lisa Bickford requesting a Special Home Occupation Permit to operate Bickford's BBQ, LLC at 14745 Baltimore Street NE.

NEW BUSINESS: None

COMMISSION BUSINESS:

1. City Council Update



CITY OF HAM LAKE

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CITY OF HAM LAKE PLANNING COMMISSION MINUTES MONDAY, JUNE 14, 2021

The Ham Lake Planning Commission met for its regular meeting on Monday, June 14, 2021 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, Erin Dixson, Scott Heaton, Jonathan Fisher and Jeff Entsminger
MEMBERS ABSENT:	Commissioner Dave Ringler
OTHERS PRESENT:	City Engineer Tom Collins 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 Lejonvarn, seconded by Dixson, to approve the minutes of the May 24, 2021 Planning Commission meeting as written. All present in favor, motion carried.

PUBLIC HEARINGS:

Roger and Sue Haugen, S & R Developers LLC, requesting Preliminary Plat approval for Enchanted Estates 3rd Addition (8 Single Family Residential lots) in Section 14.

Roger and Sue Haugen were present. Mr. Jason Rud, of E.G. Rud & Sons, Inc. land surveying company, spoke on the Haugen's behalf. Mr. Rud stated the Enchanted Estates plat received preliminary plat approval in 2005. Mr. Rud stated the grading and the infrastructure (drainage features, streets, etc.) for the overall plat was done at that time. Mr. Rud stated the developers then decided to construct the plat in phases. Mr. Rud stated the initial preliminary plat approval expired in 2011 so a new preliminary plat approval request was submitted for the third phase of development. Chair Pogalz asked Engineer Collins to comment on the plat. Engineer Collins stated the project conforms to the Enchanted Estates Preliminary Plat (which included rezoning the property to R-1, Single Family Residential) approved by the City Council on October 18, 2004; construction of the streets adjacent to the preliminary plat was completed in 2007. Engineer Collins stated the Coon Creek Watershed District conditionally approved the development and noted there is a conservation easement over a wetland mitigation area on portions of Lots 3, 4 and 5 of Block 1; the easement is governed by a Declaration of Restrictions and Covenants from the Board of Water and Soil Resources and approvals are needed, prior to final plat approval, for adding fill or modifying the conservation

Planning Commission Minutes June 14, 2021

easement. Engineer Collins stated a license agreement will be needed for Lot 1, Block 2 due to the septic line crossing the drainage and utility easement. Engineer Collins stated each lot will be assessed a parkland dedication fee per section 7A of the Development Agreement signed on September 2, 2005. Commissioner Entsminger completed the inspection, a copy which is on file. Commissioner Entsminger stated the area is a good location for residential development; the streets have been constructed and the area of the proposed development has a park, ponds and tree cover.

Chair Pogalz opened the public hearing at 6:08 p.m. and asked for public comment; with there being none, he closed the public hearing at 6:09 p.m.

Motion by Entsminger, seconded by Lejonvarn, to recommend approval of the Preliminary Plat of Enchanted Estates 3rd Addition in Section 14, as presented by Roger and Sue Haugen of S & R Developers LLC, subject to obtaining approval from the Coon Creek Watershed District, obtaining approval from the Board of Water and Soil Resources to modify the current Conservation Easement that is over portions of Lots 3, 4 and 5 of Block 1, obtaining a License Agreement for the septic line crossing the drainage and utility easement on Lot 1, Block 2, meeting all requirements of the City Engineer and meeting all City, State and County requirements. All present in favor, motion carried. *This application will be placed on the City Council's Monday, June 21, 2021 agenda.*

<u>Coco March, Greens World Inc., requesting a Conditional Use Permit to operate a</u> <u>nutritional supplement business at 14200 Lincoln Street NE, Suites 200, 300 and 500</u>. Teng Thao, Office Manager, was present. Mr. Thao stated the company is leasing space in the building and they have renovated the space to store the nutritional goods they sell. Mr. Thao stated they receive a delivery, via semi-truck, of nutritional goods once to twice a week and have daily outgoing UPS small package pick-up. Commissioner Lejonvarn completed the inspection, a copy which is on file. Commissioner Lejonvarn asked Mr. Thao if the business operated from any other suite(s) in addition to suite 500. Mr. Thao stated the company operates from suites 200, 300 and 500. Commissioner Lejonvarn stated the site plan identifies office space within the building; it appears suite 200 may be a business center and suite 300 may be used for packaging and shipping of product but overall what he saw was a warehouse operation. Commissioner Lejonvarn stated the location appears to have adequate parking space, there is a handicap parking space with a sign, however, there is no striping left on the concrete in the parking lot.

Chair Pogalz opened the public hearing at 6:16 p.m. and asked for public comment; with there being none, he closed the public hearing at 6:16 p.m.

Motion by Lejonvarn, seconded by Fisher, to recommend approval of a Conditional Use Permit, as requested by Coco March, to operate Greens World Inc. at 14200 Lincoln Street NE, suites 200, 300 & 500, subject to operating hours of 6:00 a.m. to 5:00 p.m., no outside storage, striping the parking lot and meeting all City, State and County requirements. All present in favor, motion carried. This application will be placed on the City Council's Monday, June 21, 2021 agenda.

2

NEW BUSINESS:

Jason and Kari Lund requesting a Home Occupation Permit to operate Plaid Anvil Consulting, LLC at 14948 Madison Street NE.

Mr. Jason Lund, owner, was present. Mr. Lund stated his company is a technology services company providing consulting services to commercial furniture dealerships and manufacturers across the United States. Mr. Lund stated there is no retail or in-home service provided to his clients; all client engagements are performed at the client's office or via online conferencing platforms. Commissioner Fisher completed the inspection, a copy which is on file. Commissioner Fisher stated he drove by Mr. Lund's home, he did not request to go inside the home to inspect his home office, and spoke with Mr. Lund via telephone: the work he is doing within his home office is similar to the work many other residents are currently doing in their homes. Motion by Fisher, seconded by Entsminger, to recommend approval of the Home Occupation Permit, requested by Jason and Kari Lund, to operate Plaid Anvil Consulting, LLC at 14948 Madison Street NE, subject to the following conditions: complying with criteria outlined in Article 9-350.1 of the City Code, all activities being carried on indoors, no customer meetings at the residence and meeting all City, State and County requirements. All present in favor, motion carried. This item will be placed on the June 21, 2021 City Council agenda.

COMMISSION BUSINESS:

Chair Pogalz recognized a special guest at the meeting, Ms. Natalie Lund. Ms. Lund, Senior Patrol Leader of Troop 5509, attended the meeting to observe topics of discussion where multiple points of view are given on issues; she is working to earn a communication merit badge.

City Council Update

Commissioner Dixson attended the City Council's June 7, 2021 meeting. Commissioner Dixson stated the City Council discussed the recommendations suggested for Article 9-220; the City Council has tasked the Code Review Committee and the City Attorney to refine the recommendations and create amendments to Article 9. Commissioner Heaton will attend the June 21, 2021 City Council meeting.

ADJOURNMENT:

Motion by Heaton, seconded by Fisher, to adjourn the Planning Commission meeting at 6:27 p.m. All present in favor, motion carried.

Jennifer Bohr Zoning and Building Clerk

CITY OF HAM LAKE PLANNING COMMISSION REQUEST APPLICATION INSPECTION REPORT

MTG DATE: 06/28/2021

INSPECTION ISSUED TO: Erin Dixson

APPLICANT/CONTACT: Jeff Stalberger

TELEPHONE NUMBER: 612-799-1471 or stally68@msn.com

BUSINESS/PLAT NAME: HFN Properties LLC/Hidden Forest East Park Add.

ADDRESS/LOCATION OF INSPECTION: East of Lexington Ave NE/143rd Ave ME

APPLICATION FOR: Preliminary Plat Approval and Rezoning

RECOMMENDATION:

DATE: _____

PLANNING COMMISSIONER SIGNATURE:

CITY OF HAM LAKE PLANNING COMMISSION REQUEST APPLICATION INSPECTION REPORT

MTG DATE: 06/28/2021

INSPECTION ISSUED TO: Erin Dixson

APPLICANT/CONTACT: Jeff Stalberger

TELEPHONE NUMBER: 612-799-1471 or stally68@msn.com

BUSINESS/PLAT NAME: HFN Properties LLC/Hidden Forest East 3rd Add.

ADDRESS/LOCATION OF INSPECTION: <u>West of Carlos Avery/North-NE of Hidden Forest East</u> 2nd Add.

APPLICATION FOR: Preliminary Plat Approval and Rezoning

RECOMMENDATION:

CITY OF HAM LAKE PLANNING COMMISSION REQUEST APPLICATION INSPECTION REPORT

MTG DATE: 06/28/2021

INSPECTION ISSUED TO: Brian Pogalz

APPLICANT/CONTACT: Don or Lisa Bickford

TELEPHONE NUMBER: 612-859-6773 (Don) or 612-867-5115 (Lisa) or lisab@highlightprinting.com

BUSINESS/PLAT NAME: Bickford BBQ, LLC

ADDRESS/LOCATION OF INSPECTION: 14745 Baltimore St NE

APPLICATION FOR: Special Home Occupation Permit

RECOMMENDATION:

DATE: _____

PLANNING COMMISSIONER SIGNATURE: _____

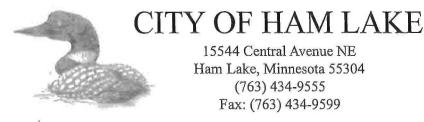


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PLANNING	15544 Central Avenue NE
REQUEST	Ham Lake, MN 55304
	434-9555 Fax (763) 235-1697
rl. f	_ Date of Receipt Receipt #
Planning Commission 6-28-202	City Council
K Preliminary Plat Approval*	Commercial Building Permit Certificate of Occupancy Home Occupation Permit Conditional Use Permit (New)* Conditional Use Permit (Renewal)
Multiple Dog License*	Other
*NOTE: Advisory Signage is required for land use alte application also requires a Public Hearing. S	
Development/Business Name: HEN Proputie.	S, LLC
Address/Location of property: 143 and EMST (
Legal Description of property: Tract C RLS	274/outlotC
PIN # 25-32-23-31-0004 Current Z Notes: Fal: Hidden Forest ENST - PARK	
	Addition of PARK Plus 2 Lots
Applicant's Name: JEFF A. STAIbuger	
Business Name: HEN Proputies LLC	
Address 19404-WARD 4K. DI. NU	N
City Andonel	State Mr. Zip Code 55304
Phone 412-799-1471 Cell Phone	Fax
Email address STALLY68 @ MSN.	com
You are advised that the 60-day review period require not begin to run until <u>all</u> of the required items have be SIGNATURE <u>Aud</u> . Half	
- FOR STAFF US	**************************************
ACTION BY: Planning Commission	

City Council _____

PROPERTY TAXES CURRENT YES NO



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

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 28, 2021 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, HFN Properties, LLC, requesting preliminary plat approval and rezoning to R-1 (single family residential) the development of Hidden Forest East Park Addition (2 residential single family lots) located in Section 25, a parcel of certain land situated in the City of Ham Lake, Anoka County, Minnesota and which is described as follows to wit:

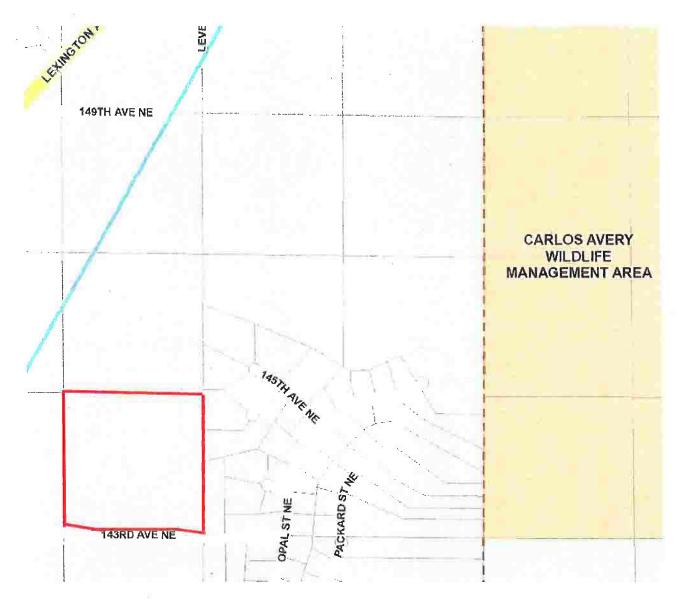
25-32-23-31-0004 (Formerly 25-32-23-31-0002 and 25-32-23-31-0003) Parcel ID#

TRACT C REG LAND SURVEY NO 274, TOG/W OUTLOT C HIDDEN FOREST EAST, SUBJ TO EASE OF REC

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

DATED: June 18, 2021

Jennifer Bohr Zoning & Building Clerk City of Ham Lake



Hidden Forest East Park Addition



2



13635 Johnson Street NE Ham Lake, MN 55304

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

Memorandum

Date: June 21, 2021

To: Planning Commissioners

From: Tom Collins, City Engineer TPC

Subject: Hidden Forest East Park Addition

Introduction:

The proposed 2 lot residential development is located on 38.98 acres, which is Tract C of the attached 2017 Registered Land Survey No. 274 (<u>https://gis.anokacountymn.gov/propertysearch/?find=25-32-23-31-0004</u>). The Preliminary Plat, Grading, Erosion Control Plan and Tree Protection Plan, Livability Plan and Site Drainage Narrative received June 17th and the Stormwater Pollution Prevention Plan and Stormwater Drainage Report received June 2nd address prior review comments. The current zoning is Rural Single Family Residential (R-A) and the post development zoning will be Single Family Residential (R-1). A 600-scale zoning map is attached. The project conforms to the Sketch Plan that was approved at the November 16, 2020 City Council meeting.

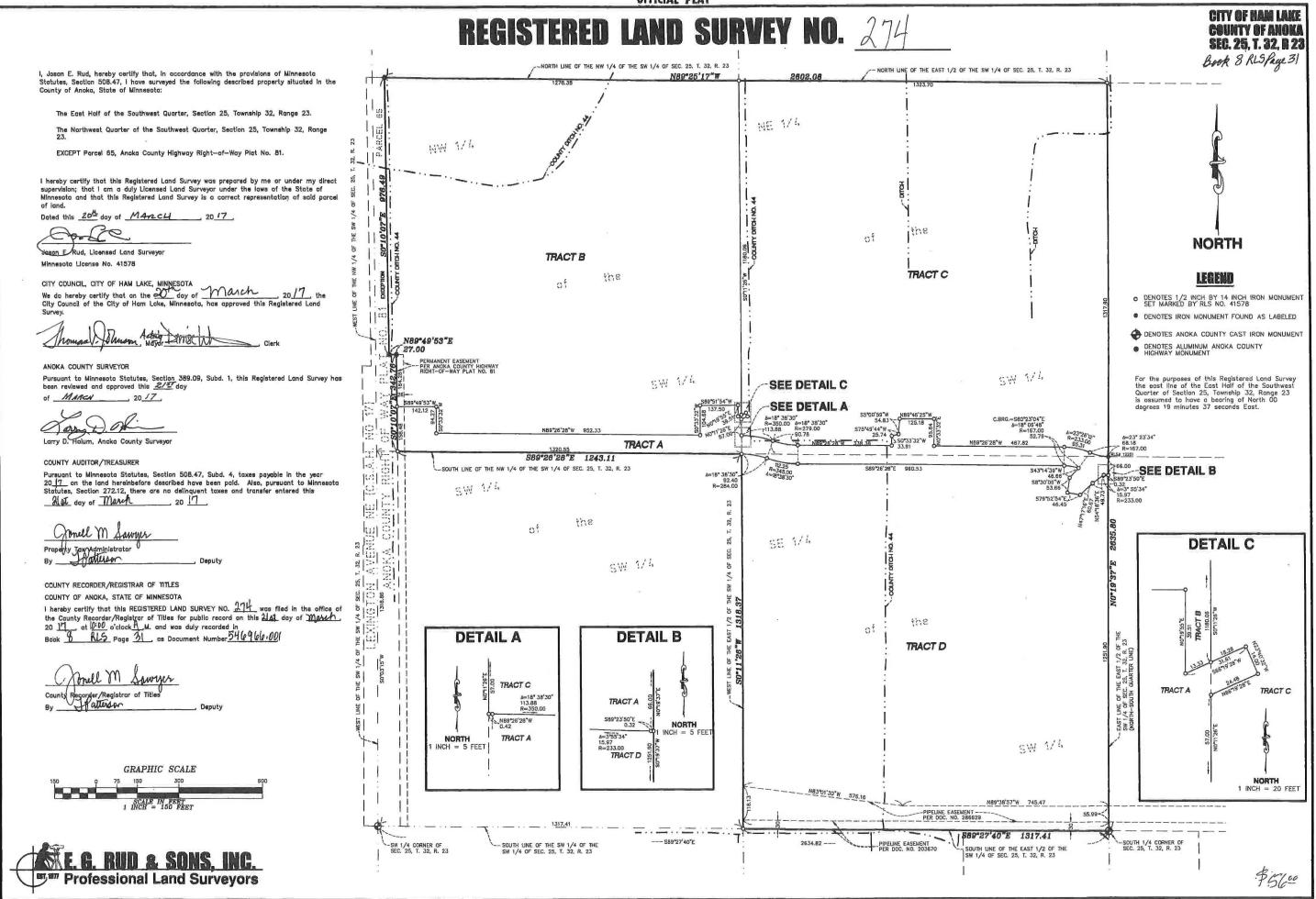
Discussion:

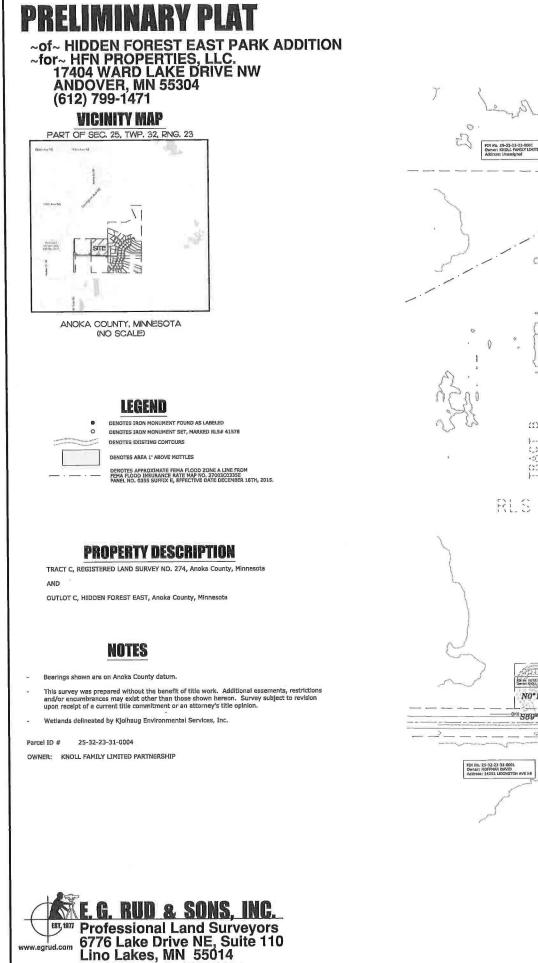
The development dedicates 27.12 acres of parkland. The parkland is 16.48 acres of upland and 10.64 acres of wetland, per the attached Revised Figure 2 – Existing Conditions exhibit. The parkland dedication was coordinated with the adjacent developments of Hidden Forest East, Hidden Forest East 2nd Addition and proposed Hidden Forest East 3rd Addition. The City Council concurred with the Park and Tree Commission recommendation that the next phase include parkland dedication. The September 19, 2018 Park and Tree meeting minutes are attached. The northerly portion of the parkland is planted in sod, and the farmer has requested that they have until the end of 2023 for removal. The area is approximately 16.5 acres. A 200-scale 2020 aerial photo is attached. The timing for sod removal and City being able to utilize the entire parkland will be addressed in the Development Agreement.

The Lot 2 driveway crosses a drainage and utility easement. A License Agreement will be required, especially when considering that the City's maintenance access easement is partially over the proposed driveway. The Plans were approved at the June 14th Coon Creek Watershed District Board of Managers meeting, per the attached. The attached June 7th Tradewell septic certification certifies that the lots will support two standard septic systems in accordance with Minnesota Rules 7080. There are no rare plants or animals within the plat boundary, per the attached Rare Plant Survey Report.

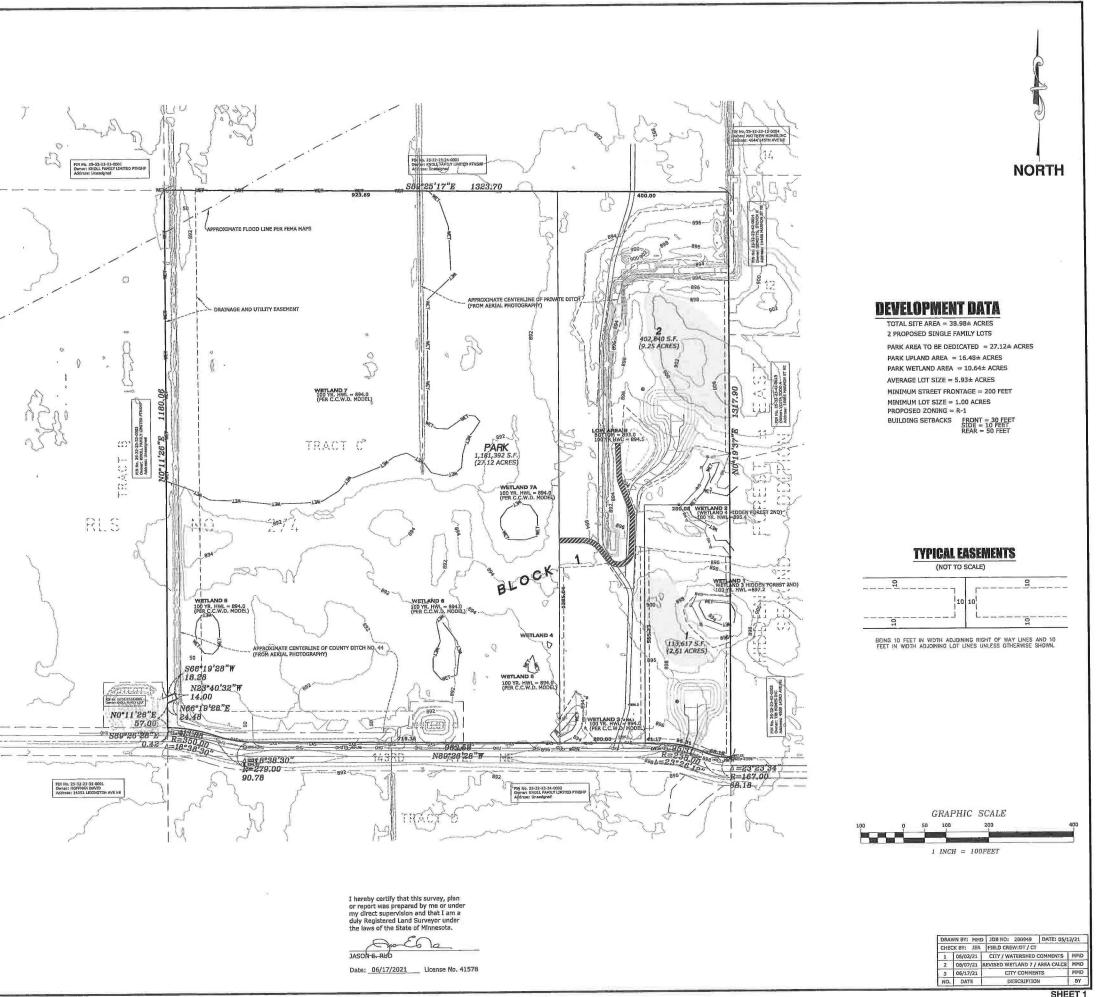
Recommendations:

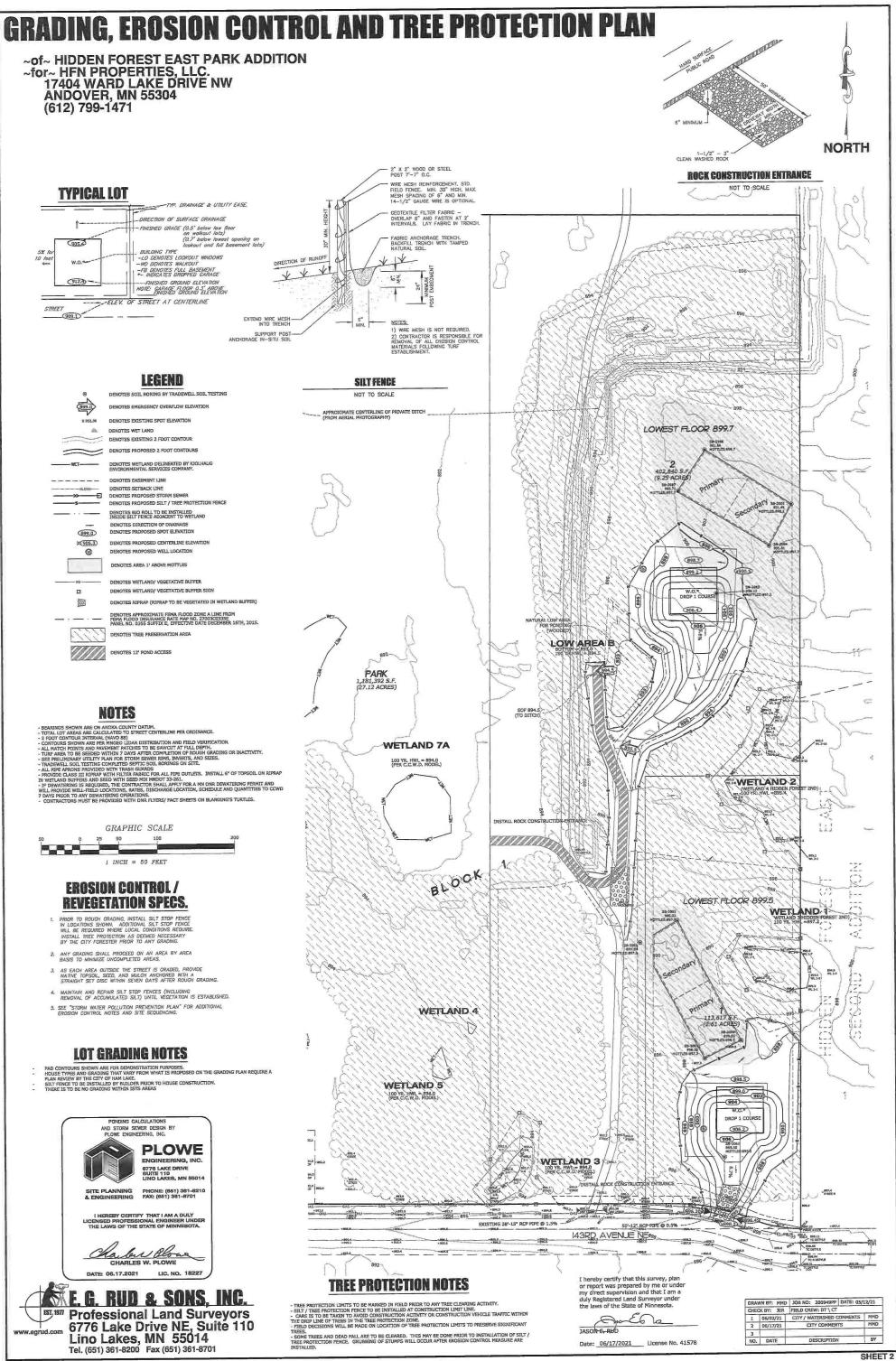
It is recommended that the Preliminary Plat of Hidden Forest East Park Addition be recommended for approval to the City Council.

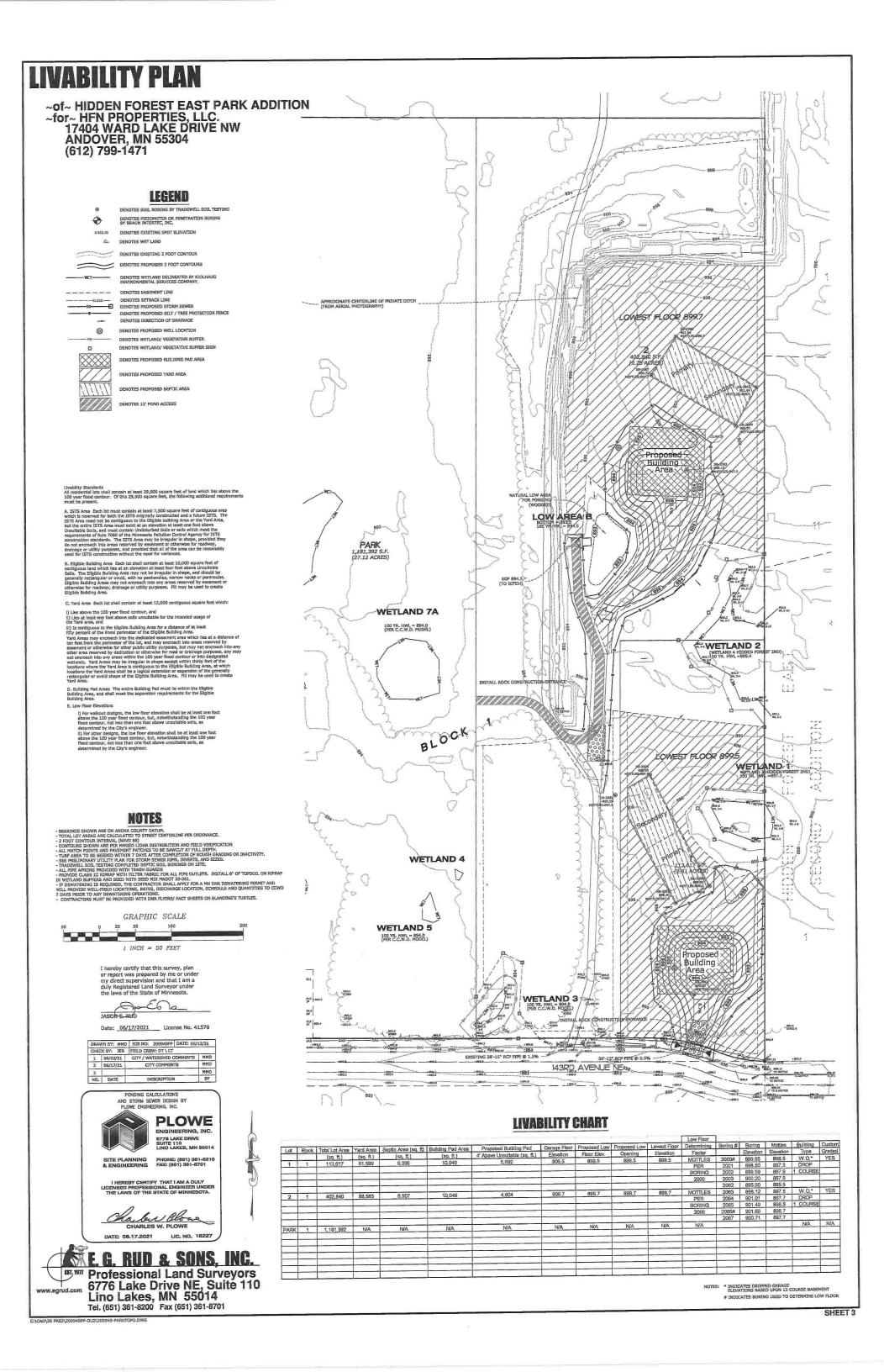




Tel. (651) 361-8200 Fax (651) 361-8701







4.1 TERMINATION OF COVERAGE. [MINN. R. 7090]

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

4.3 PERMITTEES MUST SUBMIT A NOT WITHIN 30 DAYS AFTER SELLING OR OTHERWISE LEGALLY TRANSFERRING THE ENTIRE STIE, INCLUDING PERMIT RESPONSIBILITY FOR ROADS (E.G., STREET SWEEPING) AND STORMWATER INFRASTRUCTURE FINAL CLEAN OLT, OR TRANSFERRING PORTINGS OF A STIE 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 50 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 D. THE SITE COMPLIES WITH ITEM 13.3 THROUGH 13.7.

AFTER PERMIT COVERAGE IS TERMINATED UNDER THIS TREM. ANY SUBSEQUENT DEVELOPMENT ON THE REMAINING PORTIONS OF THE SITE WILL REQUIRE PERMIT COVERAGE IF THE SUBSEQUENT DEVELOPMENT TISELF OR AS PART OF THE REMAINING COMMON PLAN OF DEVELOPMENT OR BALE WILL RESULT IN LAND DISTURBING ACTIVITIES OF ONE (1) OR MORE ACRES IN SIZE. [MINN. R. 790]

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

5.1 STORMWATER POLLUTION PREVENTION PLAN (SWPPP) CONTENT [MINN. R. 7090] 5.3 THE SWPPP MUST INCORPORATE SPECIFIC BEST MANAGEMENT PRACTICES (8MP) USED TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT. [MINN. R. 7090]

5.4 THE SWPPP MUST INCLUDE A NARRATIVE DESCRIBING THE TIMING FOR INSTALLATION OF ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPs AND A DESCRIPTION OF THE PERMANENT STORMWATER TREATMENT SYSTEMS. [MINN. R. 7090] 5.5 THE SWPPP MUST INCLUDE THE LOCATION AND TYPE OF ALL TEMPORARY AND PERMANENT EROSION PREVENTION AND SEDIMENT CONTROL BMPS ALONG WITH PROCEDURES USED TO ESTABLISH ADDITIONAL TEMPORARY BMPS AS NECESSARY FOR THE SITE CONDITIONS DURING CONSTRUCTION, STANDARD DETAILS AND/OR SPECIFICATIONS FOR BMPS MUST BE

INCLUDED IN THE FINAL PLANS AND SPECIFICATIONS FOR THE PROJECT. [MINN. R. 7090] 5.8 THE SWPPP MUST INCLUDE THE CALCULATIONS AND OTHER INFORMATION USED FOR THE DESIGN OF TEMPORARY SEDIMENT BASINS AND ANY OF THE PERMANENT STORMWATER TREATMENT SYSTEMS REQUIRED IN SECTION 15. [MINN. R.

5.7 THE SWPPP MUST INCLUDE ESTIMATED QUANTITIES ANTICIPATED AT THE START OF THE PROJECT FOR THE LIFE OF THE PROJECT FOR ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPS (E.G., LINEAR FEET OF SILT FENCE OR SQUARE FEET OF EROSION CONTROL BLANKET, JUNN, R. 7050]

5.8 THE SWPPP MUST INCLUDE THE NUMBER OF ACRES OF IMPERVIOUS SURFACE FOR BOTH PRE- AND POST-CONSTRUCTION. [MINN. R, 7090]

5.8 THE SWPPP MUST INCLUDE A SITE MAP WITH EXISTING AND FINAL GRADES, INCLUDING DRAINAGE AREA BOUNDARIES, DIRECTIONS OF FLOW AND ALL DISCHARGE POINTS WHERE STORMWATER IS LEAVING THE SITE OR ENTERING A SURFACE WATER.

THE SITE MAP MUST INDICATE THE AREAS OF STEEP SLOPES. THE SITE MAP MUST ALSO INCLUDE IMPERV SOIL TYPES AND LOCATIONS OF POTENTIAL POLLUTANT-GENERATING ACTIVITIES AS IDENTIFIED IN SECTION 12. [MINN. R. 7090]

SOIL TYPES AND LOCATIONS OF POTENTIAL POLLUTIAN -GENERAL INIS ACTIVITIES AS IDENTIFIED IN SECTION T& [MINN: R-1030] 5.10 THE SWPPP MUST INCLUDE A MAP OF ALL SURFACE WATERS, EXISTING WEITANDS, AND STORWATER PONDS OR BASINS THAT CAN BE IDENTIFIED ON MAPS SUCH AS UNITED STATES GEOLOGICAL SURVEY 7.5 MINUTE QUADRANGLE MAPS, THE NATIONAL WEITAND INVENTORY MAP OR EQUIVALENT MAPS AND ARE WITHIN ONE MILE (AERUAL RADIUS MEASUREMENT) FROM THE PROJECT BOUNDANIES THAT WILL RECEIVE STORMWATER FROM THE FONS STEL DURING OR AFTER CONSTRUCTION. THE SWPPP MUST IDENTIFY IF THE SURFACE WATERS ARE SPECIAL OR IMPAIRED WATERS, (MINN, R-7090)

5.11 THE SWPPP MUST INCLUDE A SITE MAP SHOWING CONSTRUCTION ACTIVITY AREAS THAT ARE ADJACENT TO AND DRAIN TO PUBLIC WATERS FOR WHICH THE DNR HAS PROMULGATED "WORK IN WATER RESTRICTIONS" DURING SPECIFIED FISH SPAWNING TIME FRAMES, IMINN, R. 70901

5.12 PERMITTEES MUST IDENTIFY LOCATIONS OF 50' BUFFER ZONES AS REQUIRED IN ITEM 9.17 AND 100' PERMANENT BUFFER ZONES AS REQUIRED IN ITEM 23.11, ON PLAN SHEETS IN THE SWPPP. [MINN. R. 7090] 5.13 IF PERMITTEES DETERMINE COMPLIANCE WITH THE FOLLOWING REQUIREMENTS IS INFEASIBLE, THEY MUST DOCUMENT THE DETERMINATION IN THE SWPPP:

TEMPORARY SEDIMENT BASIN AS DESCRIBED IN SECTION 14: AND B. LEMPLANANT SELIMENT I BABIN AS DESONDED IN SECIENT Nº, AND DE POR LIVERA PROJECTS, IF THE PERMANENT STORMWATER TREATMENT SYSTEM CANNOT BE CONSTRUCTED WITHIN THE RIGHT-OF-WAY, A REASONABLE ATTEMPT MUST BE MADE TO OBTAIN ADDITIONAL RIGHT-OF-WAY (ITEM 15.6); AND O. BUFFRE ZONBE AS DESCRIDED IN ITEM SIT AND ITEM 23.11, (MINN. R. 1990]

6.14 IF PERMITTEES DETERMINE THAT A TEMPORARY SEDIMENT BASIN IS INFEASIBLE AS DESCRIBED IN ITEM 14.10, THE SWIPP MUST DESCRIBE THE ALTERNATIVE BMSS USED, (MINN, R. 7080) 5.15 WHERE SYSTEMS CANNOT MEET THE FULL VOLUME REQUIDTOR REQUIREMENT ON SITE, (E.G., THE SITE HAS INFLITATION PROHIBITIONS, SEE ITEM 16.14 THROUGH ITEM 18.21) THE PERMITTEE MUST DOCUMENT THE REASONS IN THE SWIPP. MINN. R. 7090)

[MINN. R. 7060] 5.16 THE SWPPP MUST INCLUDE ANY STORMWATER MITIGATION MEASURES PROPOSED TO BE PART OF THE FINAL PROJECT IN ANY ENVIRONMENTAL REVIEW DOCUMENT, ENDANGERED SPECIES REVIEW, ARCHEOLOGICAL OR OTHER REQUIRED LOCAL, STATE DR FEDERAL REVIEW CONDUCTE DFOT THE PROJECT. FOR PURPOSE OF THIS PERVIEMT, MITIGATION MEASURES MEANS ACTIONS NECESSARY TO AVOID, MINIMIZE, OR MITIGATE FOR IMPACTS RELATED TO EROSION PREVENTION, SEDIMENT CONTROL, THE FERMANENT STORMATER TREATMENT SYSTEM, POLLUTION PREVENTION MANAGEMENT MEASURES AND DISCHARGES ASSOCIATED WITH THE PROJECTS CONSTRUCTION ACTIVITY, MINN. R. 7090]

5,17 THE SWPPP MUST DESCRIBE THE METHODS USED FOR PERMANENT COVER OF ALL EXPOSED SOIL AREAS, [MINN, R. 7090] 5.18 PERMITTEES MUST IDENTIFY THE LOCATIONS OF AREAS WHERE CONSTRUCTION WILL BE PHASED TO MINIMIZE THE DURATION OF EXPOSED SOIL AREAS IN THE SWPPP, [MINN, R, 7090]

5.19 FOR PROJECTS WITH A DISCHARGE POINT ON THE PROJECT WITHIN ONE (1) MILE (AERIAL RADIUS MEASUREMENT) OF AND 5.18 FOR PROJECTS WITH A DISUPRISE POINT ON THE PROJECT WITH OVER (1) MEEL VARIAGE VARIAGES, AND ANY UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA), APPROVED TOTAL MAXIMUM DAILY LOAD (TMOL) FOR THE POLLUTANT(S) OR STRESSOR(S) DESCRIBED IN ITEM 23.7 PERMITTES' DENTIFICATION MUST INCLUDE THOSE THALS APPROVED AT ANY THE PRIOT OP PERMIT APPLICATION SUBMITTAL AND ARE STILL IN EFFECT. [MINN. R. 7690] 5.20 PERMITTEES MUST DOCUMENT IN THE SWPPP, ALL TRAINED INDIVIDUALS IDENTIFIED IN ITEM 21.2. DOCUMENTATION

MUST INCLUDE: a. NAMES OF PERSONNEL REQUIRED TO BE TRAINED; AND b. DATES OF TRAINING AND NAME OF INSTRUCTOR(S) AND ENTITY PROVIDING TRAINING; AND c. CONTENT OF TRAINING COURSE.

IF PERMITTEES DO NOT KNOW THE NAMES OF THE INDIVIDUALS AT THE TIME OF APPLICATION, THE PERMITTEES MUST ENSURE THEY DOCUMENT TRAINING BEFORE CONSTRUCTION ACTIVITY COMMENCES. [MINN. R. 7090] 5.21 THE SWPPP MUST IDENTIFY A PERSON KNOWLEDGEABLE AND EXPERIENCED IN THE APPLICATION OF EROSION

PREVENTION AND SEDIMENT CONTROL BMPS WHO WILL COORDINATE WITH ALL CONTRACTORS, SUBCONTRACTORS, AND OPERATORS ON-SITE TO OVERSEE THE IMPLEMENTATION OF THE SWPPP. [MINN. R. 7090]

5.22 THE SWPPP MUST DESCRIBE ANY SPECIFIC CHEMICALS AND CHEMICAL TREATMENT SYSTEMS USED FOR ENHANCING THE SEDIMENTATION PROCESS AND HOW IT ACHIEVES COMPLIANCE WITH ITEM 8.18. [MINN. R. 7090]

5.23 THE SWPPP MUST IDENTIFY THE PERSON(S), ORGANIZATIONS, OR ENTITIES RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF PERMANENT STORMWATER TREATMENT SYSTEMS. [MINN. R. 7090]

5.24 THE SWPPP MUST DESCRIBE METHODS TO MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL MINIMIZING SOIL COMPACTION IS NOT REQUIRED WHERE THE FUNCTION OF A SPECIFIC AREA DIGTATES COMPACTION. [MINN. R. 7090] 5.25 THE SWPPP MUST INCLUDE ANY SITE ASSESSMENTS FOR GROUNDWATER OR SOIL CONTAMINATION REQUIRED IN ITEM 16.15.[MINN. R. 7090]

5.28 THE SWPPP MUST ACCOUNT FOR THE FOLLOWING FACTORS IN DESIGNING TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL BMPS:

THE EXPECTED AMOUNT, FREQUENCY, INTENSITY, AND DURATION OF PRECIPITATION; AND THE NATURE OF STORMWATER RUNOF AND RUN-ON AT THE SITE, INCLUDING FACTORS SUCH AS EXPECTED FLOW FROM IMPERVIOUS SUFFACES, SLOTES, AND SITE DAVINGE FEATURES; AND

INFERVIOUS SUMPRUES, SUMPES, AND SITE DRAWAGE PEALIDRES, AND O. THE STORMWATER VOLUME, VELOCITY, AND PEAK FLOWRATES TO MINIMIZE DISCHARGE OF POLLUTANTS IN STORMWATER AND TO MINIMIZE CHANNEL AND STREAMBANK EROSION AND SOUR IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS; AND THE RANGE OF SOIL PARTICLES SIZES EXPECTED TO BE PRESENT. [MINN. R. 7090]

6.1 SWPPP AMENDMENTS. [MINN. R. 7090]

8.2 ONE OF THE INDIVIDUALS DESCRIBED IN ITEM 21.2.A OR ITEM 21.2.B OR ANOTHER QUALIFIED INDIVIDUAL MUST COMPLETE ALL SWPPP CHANGES, CHANGES INVOLVING THE USE OF A LESS STRINGENT RMP MUST INCLUDE A UISTRCATION DESCRIBING HOW THE REPLACEMENT BMP IS EFFECTIVE FOR THE SITE CHARACTERISTICS, MINN, R. 790] NOW THE REFLACEMENT DWE IS EFFECTIVE FOR THE DIFFECTION CONSTITUTION (MINING A CONSTITUTION) (MINING A CONSTITUTION OF A DEVELOPMENT OF A DEVE

SURFACE WATENS ON GROUNDWATENE (MINN, K. 7000) GA PERNITTES MUST AMENOS THE SWPP TO INCLUDE ADDITIONAL OR MODIFIED BMPS AS NECESSARY TO CORRECT PROBLEMS IDENTIFIED OR ADDRESS SITUATIONS WHENEVER INSPECTIONS OR INVESTIGATIONS BY THE SITE OWNER OR OPERATOR, USERA OR MPCA OFFICIALS INDICATE THE SWPPE IS NOT EFFECTIVE ME LUMMATING OR BIGNIFICANTLY MINIMIZING THE DISCHARGE OF POLLUTANTS TO SURFACE WATENS OR GROUNDWATER OR THE DISCHARGES ARE CAUSING WATER QUALITY STANDARD EXCEEDANCES (E.G., NUISANCE CONDITIONS AS DEFINED IN MINN, R, 7050.0210, SUBP. 2) OR THE SWPPP IS NOT CONSISTENT WITH THE CALECITIES OF A USERA APPROVED TMOL (MINN, R, 7050.0210)

7.1 BMP SELECTION AND INSTALLATION. [MINN. R. 7090]

7.2 PERMITTEES MUST SELECT, INSTALL, AND MAINTAIN THE BMPSI DENTIFIED IN THE SWPPP AND IN THIS PERMIT IN AN APPROPRIATE AND FUNCTIONAL MANNER AND IN ACCORDANCE WITH RELEVANT MANUFACTURER SPECIFICATIONS AND ACCEPTED ENGINEERING PRACTICES, IMMN, TOSG]

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

8.2 BEFORE WORK BEGINS, PERMITTEES MUST DELINEATE THE LOCATION OF AREAS NOT TO BE DISTURBED. MINN. R. 708 6.2 BEFORE THAT SUCH THAT THE NEED FOR DISTURBANCE OF PORTIONS OF THE PROJECT WITH STEEP SLOPES WHEN STEEP SLOPES MUST BE DISTURBED, PERMITTERS MUST USE TECHNOLES SUCH AS PHASING AND STABILIZATION PRACTICES DESIGNED FOR STEEP SLOPES (E.G., SLOPE DIAVINIG AND TERCARDING), R. 7550]

LEGISTICUT OF A LEEP SLUPPE DEVICE LEW, SULPE DEVINITING AND LEVENDEUR (MINN, R. 1991) BA FERNITES MUIST STABLE ZAL EXPOSED SOLA REAS, NICLUDING STOCKPLES, STABILZATION MUST BE INITATED IMMEDIATELY TO LIMIT SOLE EROSION WHEN CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORANILY CEASED ON ANY PORTION OF THE STIE AND WILL NOT RESULPE FOR A PERIOD EXCEEDING 7 ACLEMORA DAY. STABILZATION MUST BE COMPLETED NO LATER THAN 7 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY HAS CEASED, STABILZATION IN SINOT REQUIRED ON CONSTRUCTED BASE COMPONENTS OF ROADS, PARKING LOTS AND SINLAR SURPACES. STABILZATION IS NOT REQUIRED ON TEMPORARY STOCKPILES WITHOUT SIGNIFICANT SILT, CLAY OR ORGANIC COMPONENTS (E.G. LEAN AGGREGATE STOCKPILES, DEMOLTION CONCETES STOCKPILES, SAND STOCKPILES) BUT PERMITEES MUST PROVIDE SEDIMENT CONTROLS AT THE BASE OF THE STOCKPILE, MINN, R. 7090]

ASSISTED AND A THE BARGE OF THE STOCKTELE (MINRE, 2000) 8.5 FOR PUBLIC WATERS THAT THE MINNESOTA DNR HAS PROMULGATED YORK IN WATER RESTRICTIONS' DURING SPECIFIED FIRS PARVINIST MEE FRAMES, PERMITTESS MUST COMPLETE STABILIZATION OF ALL EXPOSED SOL AREAS WITHIN 200 FEET OF THE WATER'S EDGE, AND THAT DRAIN TO THESE WATER'S, WITHIN 24 HOURS DURING THE RESTRICTION PERIOD, (MINN, R. 7090)

1.000/ 8.8 PERMITTESS MUST STABILIZE 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 EDGE. PERMITTESS MUST COMPLETE STABILIZATION OF REMANING PORTIONS OF TEMPORARY OR PERMANENT DITCHES OR SWALES WITHIN 7 ALENDAR DAYS AFTER CONNECTING TO A SURFACE WATER OR PROPERTY EDGE AND CONSTRUCTION IN THAT PORTION OF THE DITCH TEMPORARULY OR PERMANENTLY CEASES. [MINN.R. 7080]

8.7 TEMPORARY OR PERMANENT DITCHES OR SWALES BEING USED AS A SEDIMENT CONTAINMENT SYSTEM DURING CONSTRUCTION (WITH PROPERLY DESIGNED ROCK-DITCH CHECKS, BID ROLLS, SILT DIKES, ETC.) DO NOT NEED TO BE STABILZED, PERMITTES MUST STABILZE THESE AREAS WITHIN 24 HOURS AFTER THEIR USE AS A SEDIMENT CONTAINMENT SYSTEM CEASES, [MINN, R. 7050]

6.8 PERMITTES MUST NOT USE MULCH, HYDROMULCH, TACKIFIER, POLYACRYLAMIDE OR SIMILAR EROSION PREVENTION PRACTICES WITHIN ANY PORTION OF THE NORMAL WETTED PERMETER OF A TEXPORARY OR PERMANENT DRAINAGE DITCH OR SWALE SECTION WITH A CONTINUOUS SLOPE OF GREATER THAN 2 PERCENT, MINN, R 1760] 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, INCLUING CURB AND OUT THE SITE AND PERMITTEES MUST LOCATE SEDIMENT CONTROL PRACTICES UNGRADIENT OF ANY SUFFRE SOMES. PERMITTEES MUST INSTALL SEDIMENT CONTROL PRACTICES BEFORE ANY UPGRADIENT LAVIS DISTURSING ACTIVITIES BEGIN ADD MUST REEP THE SEDIMENT CONTROL PRACTICES IN PLACE UNIT. THEY ESTADLESH PERMIANTES AND MUST REEP THE SEDIMENT CONTROL PRACTICES IN PLACE UNIT. THEY ESTADLESH PERMIANTES AND MUST REEP THE 8.3 IF DOWNIGRADIENT SEDIMENT CONTROLS ARE OVERLOADED, BASED ON REQUENT HOUSEN (DIMINE OF EXCESSIVE MAINTENANCE REQUIREMENTS, PERMITTEES MUST INSTALL ADDITIONAL UPGRADIENT SEDIMENT CONTROL PRACTICES OR REDUNDANT BMP TO ELIMINATE THE OVERLOADING AND AMEND THE SWPPP TO IDENTIFY THESE ADDITIONAL PRACTICES AS REQUIRED IN ITEM 8.3, JUINN, 7096]

0.3. (WINNER, FORM) 8.4 TEMPORARY OR PERMANENT DRAINAGE DITCHES AND SEDIMENT BASINS DESIGNED AS PART OF A SEDIMENT CONTAINMENT SYSTEM (E.G., DITCHES WITH ROCK-OHECK DAMS) REQUIRE SEDIMENT CONTROL PRACTICES ONLY AS APPROPRIATE FOR STE CONDITIONS, MINN. R. 7060]

APPROPRIATE FOR SITE CONDITIONS, MINN. R. 7060] 8.5. A FLOATING SILT CURTAIN PLACED IN THE WATER IS NOT A SEDIMENT CONTROL BMP TO SATISFY ITEM 9.2 EXCEPT WHEN WORKING ON A SHORELINE OR BELOW THE WATER IS NOT A SEDIMENT CONTROL BMP TO SATISFY ITEM 9.2 EXCEPT WHEN (E.G., INSTALLATION OF RIP RAP ALONG THE SHORELINE). IN MATA RAP, IS COMPLETE, FERNITIRES MUST INSTALLA AN UPLAND PERIMETER CONTROL PRACTICE IF EXPOSED BOLS STILL DRAIN TO A SURFACE WATER, MINN, R. 7060] B. PERINTERS MUST RE-WISTAIL ALL SEDIMENT CONTROL PRACTICES ADJUSTED OR REMOVED TO ACCOMMODATE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VERICLES, IMMEDIATELY FRATTRET HE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VERICLES, IMMEDIATELY AFTER THE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VERICLES, IMMEDIATELY FRATTRET HE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VERICLES, IMMEDIATELY FRATTRET HE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VERICLES, IMMEDIATELY AFTER THE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VERICLES, IMMEDIATELY AFTER THE SHORT-TERM ACTIVITY IS CONTRUCTED. THE SHORT-TERM ACTIVITY IS NOT COMPLETE, PRENDENT CONTROL PRACTICES BEFORE THE NEXT PRECIPITATION REVENT F THE SHORT-TERM ACTIVITY IS NOT COMPLETE, BIND REAL TO ANTICLE SUCH AS CLEARING AND ACTIVITY IS NOT COMPLETED. REMAINS AND ACTIVITS IN THE MACTIVITY IS NOT COMPLETED. REMAINS AND ACTIVITY IS NOT COMPLETED, BEFORE THE NEXT PRECIPITATION REVENT F THE SHORT-TERM ACTIVITY IS NOT COMPLETED REPORTED ARE ACTIVITIES AND THE ACTIVITY IS AND ACTIVITY AND ACTIVITY AND ACTIVITY IS NOT COMPLETED. REMAINS ACTIVITY IS AND ACTIVITY IS AND ACTIVITY ACTIVITY AND ACTIVITY ACTIVITY AND ACTIVITY AND ACTIVITY AND ACTIVITY AND ACTIVITY AC

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] EXTABLISH FERMINITION FOR UNLET PROTECTION FOR A PARTICULAR INLET IF A SPECIFIC SAFETY CONCERN (E.G. STREET FLOODING/REEZING) IS IDENTIFIED BY THE PERMITTEES OR THE JURISDICTIONAL AUTHORITY (E.G., CITY/COUNTYTOWNSHIP/MINNESOTA DEPARTMENT OF TRANSPORTATION ENGINEER). PERMITTEES MUST DOCUMENT THE NEED FOR REMOVAL IN THE SWPPP, MINN. R. 7050]

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

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

9.11 PERMITTEES MUST INSTALL & 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, IMIN, R, 70901

8.13 PERMITTEES MUST INSTALL TEMPORARY SEDIMENT BASINS AS REQUIRED IN SECTION 14. [MINN. R. 7090 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 PRESERVE TOPSOIL ON THE SITE, UNLESS INFEASIBLE, [MINN, R. 7080]
9.16 PERMITTEES MUST DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS UNLESS INFEASIBLE. [MINN, R. 7090]
9.17 PERMITTEES MUST PRESERVE A 50 FOOT NATURAL BUFFER OR, IF A BUFFER IS INFEASIBLE. ON THE SITE, PROVIDE REDURDANT (DOUBLE) PERMIETER SEDIMENT CONTROLS WHEN A SUFFACE WATER PRESERVE. THE SITE OF THE PROJECTS EARTH DISTURANCES AND STORMWATER FLOWS TO THE SUFFACE WATER PERMITTEES MUST RISTALL PERMIETER SEDIMENT CONTROLS AT LEAST 5 FEET APART UNLESS LIMITED BY LACK OF AVAILABLE SPACE. NATURAL BUFFERS ARE NOT REQUIRED ADJACEMENT TO ROAD DIFFERS, STORMWATER FLOWERVARCE CHANNELS, STORM DRAIN INLETS, AND SEDIMENT BASINS. IF PRESERVING THE BUFFER IS INFEASIBLE, PERMITTEES MUST DOCUMENT THE REASONS IN THE SWPPP, SHEET PILING IS A REDUNDANT PERMIETER CONTROL IF INSTALLED IN A WANNER THAT RETAINS ALL STORMWATER, FLOOR (DOCUMENT & DOTHER SERVING THE BUFFER IS INFEASIBLE, PERMITTEES AND A MONTROL STORMWATER, CONCILIANTS, DISTORMWATER CONCENTRAL ON A WANNER THAT RETAINS ALL STORMWATER, CONCILIANTS, DISTORMWATER CONCENTRAL IN A WANNER THAT RETAINS ALL STORMWATER, CONCILIANTS, DOTHER SUFFANGE INTER LINE AND STORMWATER FORCE AND A MANNER THAT RETAINS ALL STORMWATER, CONCILIANTS, DISTORMWATER CONCENTRAL IN A MANNER THAT RETAINS ALL STORMWATER, CONCILIANTS, DISTORMWATER CONCENTRAL IN A MANNER THAT RETAINS ALL STORMWATER, CONCILIANTS, DISTORMENT DATED IN THE SUFFANCE AND A MANNER THAT RETAINS ALL STORMWATER, CONCILIANTS, DE DITHER SEMILISTICAL IN A MANNER

THAT RETAINS ALL STORMWATER, MINN. R. 7890] S.19 FERNITES MUST USE FOLYMERS, FLOCULANTS, OR OTHER SEDIMENTATION TREATMENT CHEMICALS IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES, DOSING SPECIFICATIONS AND SEDIMENT REMOVAL DESIGN SPECIFICATIONS PROVIDED BY THE MANUFACTURER OR SUPPLIER. THE PERMITTEES MUST USE CONVENTIONAL ERGING NAME SEDIMENT CONTROLS PRIOR TO CHEMICAL ADDITION AND MUST DIRECT TREATED STORMWATER TO A SEDIMENT CONTROL SYSTEM FOR FILTRATION OR SETTLEMENT OF THE FLOC FORMAT DIRECT TREATES. JUNN. 7000]

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

10.1 DETTOLENTED AND DASITE UTWINTEL, MININE, K. J. (2000) 10.2 PERMITTEES MUST DISCHARGE TURBID OR SEDIMENT-LADE WATERS RELATED TO DEWATERING OR BASIN DRAINING (0.6, PUMPED DISCHARGES, TRENCHDITCH CUTS FOR DRAINAGE) TO A TEMPORARY OR PERMANENT SEDIMENT BASIN ON THE PROJECT SITE UNLESS INFEASIBLE, PERMITTEES MAY DEWATER TO SURFACE WATERS IF THEY VISUALLY CHECK TO ENSURE ADEQUATE TREATMENT HAS BEEN OBTAINED AND NUISAKCE CONDITIONS (DEE MAIN, R. 7000/210, SUBP. 2) WILL ON TRESULT FROM THE DISCHARGES. IF PERMITTEES CANNOT DISCHARGE THE WATER TO A SEDIMENTATION BASIN PRONT TO ENTENNIS A SURFACE WATER, PERMITTEES MUST TREAT TI WITH APPROPRIATE BMPS SUCH THAT THE DISCHARGE DOES NOT ADVERSELY AFFECT THE SURFACE WATER OR DOWNSTREAM PROPERTIES, MINN, R. 7050.0210)

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. 7090] SUITABLE FILTRATING DURING LEVE, DATING THE TRAD REGENERATION OR BASIN-DRAINING ACTIVITIES IN A MANNER THAT DOES NOT CAUSE EROSION OR SCOUR IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS OR INUMDATION OF PUTUANDS IN THE MIMEDIATE VICINITY OF DISCHARGE POINTS THAT CAUSES SIGNIFICANT ADVERSE IMPACT TO THE WETLAND, NIMN. R. TØDJ INTO THE SITE IN A MAINER THAT DOES NOT CAUSE EROSION, MININE, THEY MUST HALL THE BACKWASH WATER AWAY FOR DISPOSAL, RETURN THE BACKWASH WATER TO THE BEGINNING OF THE TREATMENT PROCESS, OR INCORPORATE THE BACKWASH WATER INTO THE SITE IN A MAINER THAT DOES NOT CAUSE EROSION, MININE, TO'SON

11.1 INSPECTIONS AND MAINTENANCE. [MINN. R. 7090] 11.2 PERMITTEES MUST ENSURE A TRAINED PERSON, AS IDENTIFIED IN ITEM 21.2.8, WILL INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (1) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 12 INCH IN 24 HOURS, MINN, R. 7090]

11.3 PERMITTEES MUST INSPECT AND MAINTAIN ALL PERMANENT STORMWATER TREATMENT BMPS. [MINN. R. 7090] 113 PENMITLES MUST INSPECT AND MAINTAIN ALL PERMANDENT STURMATER TREATMENT BRAGT, BURNET, DAGO 114 PENMITLES MUST INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPS AND POLLUTION PREVENTION MAMAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS, PERMITTES MUST REPAIR, REPLACE OR SUPPLEMENT ALL NORFUNCTIONAL BMPS WITH FUNCTIONAL BMPS BY THE SOLO FTHE NEXT USINESS DAY AFTER DISCOVERY UNLESS ANOTHER TIME FRAME IS SPECIFIC IN ITEM 11.5 OR 11.8, PERMITTES MAY TAKE ADDITIONAL TIME IF FIELD CONDITIONS PREVENT ACCESS TO THE AREA (DMINN, R.700)

PREVENT ACCESS TO THE AREA. [MINN. R. 7090] 11.6 DURING EACH INSPECTION, PERMITTEES MUST INSPECT SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND CONVEYANCE SYSTEMS SUIT NOT CURB AND GUITTER SYSTEMS, FOR EVIDENCE OF ENGINA NON SEDIMENT DEPOSITION. PERMITTEES MUST REMOVE ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATERS, INCLUDING DRAINAGE WATER CATCH BASING, AND OTHER DRAINAGE SYSTEMS AND RESTMENT DEPOSITED IN SURFACE WATERS, INCLUDING DRAINAGE WATER CATCH BASING, AND OTHER DRAINAGE SYSTEMS AND RESTMENT DEPOSITED IN SURFACE WATERS, INCLUDING DRAINAGE WATER CATCH BASING, AND OTHER DRAINAGE SYSTEMS AND RESTMENT DEPOSITED IN SURFACE WATERS, INCLUDING DRAINAGE WATER DISCOVERY UNLESS RECLUDED BY LEGAL, REGULATORY, ON WITHIN SKYLEN (T) CLAESING DRAIN DE SUD DISCOVERY UNLESS RECLUDED BY LEGAL, REGULATORY, ON HYNGICA STRAILZATON WITHIN SKYLEN (T) REASONABLE FEFRO SI OLDSS, BERNITTEES ARE RESPONSIBLE FOR CONTACTING ALL LOCAL, REGIONAL, STATE AND FEDERAL AUTHORITIES AND RECEIVING ANY APPLICABLE PERMITS, PRIOR TO CONDUCTING ANY WORK IN SURFACE WATERS, IMINN, R. 1000

/JOUJ 11 & 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 BEDIMENT FROM VEHICLES. PERMITTEES MUST REMOVE SEDIMENT FROM ALL PAVED SURFACES WITHIN ONE (1) CALENDRA DAY OF DISCOVERY OR, [F APPLICABLE, WITHIN A SHORTER TIME TO AVOID A SAFETY HAZARD TO USERS OF PUBLIC STREETS, [MINN R. 7090]

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

11.8 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 ITEM 21.2.B. [MINN, R, 7090]

11.10 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

- NHERE BY THE HAVE PERMANENT COVER ON ALL EXPOSED SOLLAND NO CONSTRUCTION ACTIVITY IS OCCURRING ANYHERE 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
- CONSTRUCTION, WHICH CONSTRUCTION ACTIVITY HAS BEEN SUSPENDED DUE TO FROZEN GROUND CONDITIONS, INSRECTIONS MAY BE SUSPENDED. INSPECTIONS MUST RESUME WITHIN 24 HOURS OF RUNOFF OCCURRING, OR UPDN RESUMING CONSTRUCTION, WHICHEVER COMES FIRST, IMMIN. R. 7050] CONSTRUCTION, WHICHEVER COMES FIRST, MINUNE (1990) 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) E DATE OF ALL RAINFALL EVENTS GREATER THAN 1/2 INCHES IN 24 HOURS, AND TEAM UP THE READER AND TEAM OF THE AND THE AND
- F. IF PERMITTEES OBSERVE A DISCHARGE DURING THE INSPECTION, THEY MUST RECORD AND SHOULD PHOTOGRAPH AN DESCRIBE THE LOCATION OF THE DISCHARGE (LE, COLOR, ODOR, SETTLED OR SUSPENDED SOLIDS, OIL SHEEN, AND OTHER OBVIOUS 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 MININZE CONTACT WITH STORMWATER, PERMITTEES ARE NOT REQUIRED TO COVER OR PROTECT PRODUCTS WHICH ARE ETHER NOT A SOURCE OF CONTAMINATION TO STORMWATER OR ARE DESIGNED TO BE EXPOSED TO STORMWATER, [MINN. R. 7050] 12.3 PERMITTEES MUST PLACE PESTICIDES, FERTILIZERS AND TREATMENT CHEMICALS UNDER COVER (E.G., PLASTIC SHEETING OR TEMPORARY ROOPS) OR ROTECT THEM BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWATER. (MINN. R. 7090)

I LORMWATER, MINN, R. 7 URU 124 PERNITTES MUST STORE HAZARDOUS MATERIALS AND TOXIC WASTE, (INCLUDING OIL, DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAINT SOLVENTS, PETROLEUM-BASED PRODUCTS, WOOD PRESERVATIVES, ADDITUSS, CURING COMPOUNDS, AND ACIDS) IN SALAED CONTINIERS TO PREVENT SPILLS, LEXKS OR OTHER DISCHARGE, STORAGE AND DISPOSAL OF HAZARDOUS WASTE MATERIALS MUST EIN COMPLIANCE WITH MINN, R. CH, 7045 INCLUDING SECONDARY CONTAINMENT AS APPLICABLE, (MINN, R. 7003)

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

12.6 PERMITTEES MUST POSITION PORTABLE TOILETS SO THEY ARE SECURE AND WILL NOT TIP OR BE KNOCKED OV PERMITTEES MUST PROPERLY DISPOSE SANITARY WASTE IN ACCORDANCE WITH MINN. R. CH. 7041. [MINN. R. 7041] PERMITTEES MUST PROPERLY DISPOSE SANITARY WASTE IN ACCURUANCE WITH MINN. IK. UH. 1011, MINN, IK. OH. 101, IV. 1011, MINN, IK. OH. 1011, MINN, IK. IK. 110, MINN, IK. IK. 110, MINN, IK. IK. 1011, MINN, IK. IK. 110, MINN, IK. 110,

28 PERMITTEES MUST LIMIT VEHICLE EXTERIOR WASHING AND EQUIPARENT 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 DISPOSE WASTE FROM THE WASHING ACTIVITY PROPERLY. PERMITTEES MUST PROPERLY USE AND STORE SOAPS, DETERGENTS, OR SOLVENTS, (MNN. R. 795)

DETERGENTS, OR SOLVENTS. (MINN. R. 7090) T2.4 PREMITTEES MUST PROVIDE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLD WASTES GENERATED BY WASHOUT OPERATIONS (E.G., CONCRETE, STUCCO, PAINT, FORM RELEASE DI.S., CURING COMPOUNDS AND OTHER CONSTRUCTION MATERILASP ELATED TO THE CONSTRUCTION ACTIVITY. PREMITTEES MUST PROVENT LIQUID AND SOLD WASHOUT WASTES FROM CONTACTING THE GROUND AND MUST DESIGN THE CONTAINMENT SO IT DOES NOT RESULT IN RUNOFF FROM THE WASHOUT OPERATIONS OR AREAS. PREMITTEES MUST PROPERLY DISPOSE LIQUID AND SOLD WASTES IN COMPACINCE WITH MPCA RULES. PERMITTEES MUST INSTALL A SIGN INDICATING THE LOCATION OF THE WASHOUT FACILITY. [MINN. R. 7035, MINN.

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

13.) FERMINE LERVINGATION CONTINUES, INTERNATIONAL PROVINCE ALL PERMANENT COVER OVER ALL AREAS PRIOR TO SUBMITTING THE NOT, VEGETATIVE COVER MUST CONSIST OF A UNIFORM PERENNIAL VEGETATION WITH A DENSITY OF 70 PERCENT OF 175 EXPECTED FINAL GROWTH, VEGETATION IS NOT REGUIRED WHERE THE FUNCTION OF A SPECIFIC AREA DICTATES NO VEGETATION, SUCH AS IMPERVIOUS SUBFRAGES OF THE BASE OF A SAND FLIETE, [MINN. R. 7090]

13.3 PERMITTEES MUST CLEAN THE PERMANENT STORMWATER TREATMENT SYSTEM OF ANY ACCUMULATED SE MUST ENSURE THE SYSTEM MEETS ALL APPLICABLE REQUIREMENTS IN SECTION 15 THROUGH 19 AND IS OPERA DESIGNED, MINN, R. 70901

19-A FEMMI FLESS MUST REMOVE ALL SEDIMENT FROM CONVEYANCE SYSTEMS PRIOR TO SUBMITTING THE NOT. [MINN.R. 7090] 13.6 PERMITTEES MUST REMOVE ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPS PRIOR TO SUBMITTING THE NOT. PERMITTEES MAY LEAVE BMPS DESIGNED TO DECOMPOSE ON-SITE IN PLACE [MINN.R. 7090] 13.6 FOR RESIDENTIAL CONSTRUCTION ONLY, PERMIT COVERAGE TERMINATES ON INDUAL LOTS IF THE STRUCTURES ARE FINISHED AND TEMPORARY EROSION PREVENTION AND DOWNGRADIENT PERIMETER CONTROL IS COMPLETE, THE RESIDENCE SELLS TO THE HOMEOWNER, AND THE PERMITTEE DISTRIBUTES THE MPCA'S 'HOMEOWNER FACT SHEET' TO THE HOMEOWNER, JMINN. R. 7090]

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. 7090]

143 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, WINCHEVER IS DREATER, MININ R. 7090)

14.5 PERMITTEES MUST DESIGN BASIN OUTLETS TO PREVENT SHORT-CIRCUTING AND THE DISCHARGE OF FLOATING DEBRIS. [MINN. R. 7080]

14.8 PERMITTEES MUST DESIGN THE OUTLET STRUCTURE TO WITHDRAW WATER FROM THE SURFACE TO MINIMIZE THE DISCHARGE OF POLLUTANTS, PERMITTEES MAY TEMPORARILY SUBPEND 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. 1090)

14.7 PERMITTEES MUST PROVIDE ENERGY DISSIPATION FOR THE BASIN OUTLET WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER, [MINN, R. 7050]

14.8 PERMITTEES MUST LOCATE TEMPORARY BASINS OUTSIDE OF SURFACE WATERS AND ANY BUFFER ZONE REQUIRED IN ITEM 23.11, MINN. R. 70901

14.9 PERMITTEES MUST CONSTRUCT THE TEMPORARY BASINS PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING TO A COMMON LOCATION, MINN, R. 70801

TO A COMMON LOCATION, MINN, 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 SWALLER SEDIMENT BASINS AND/ORS BEDIMENT TRAPS, SILT FENCES, VOETTATUE BUFFER STRIES OR ANY APPROPRIATE COMBINIANTO PERSAURES AD ICTATED BY INNOMUDALL STECCONDITIONS. IN DETERMINING WHETHER INSTALLING A SEDIMENT BASIN IS INFEASIBLE, PERMITTES MUST CONSIDER PUBLIC SAFETY AND MAY CONSIDER FACTORS BUCH AS STE GULS, SLOPE, AND AVAIABLE AREA ON-SITE. PERMITTES MUST DOCUMENT THE DETERMINING ON FIRE ASSIBILITY IN THE SWPPP, (MINN, R. 7090]

JULT EINMANDENT DI VINNIMITATE LE INTERIMENTI DI SIGLEM MINIMULTA. L'UBUI I SA PERMITTES MUST DESIGNI IN ER PROJECT SO ALL STORMWATER DISCHARGE PROM THE PROJECT DURING AND AFTER CONSTRUCTION ACTIVITES DOES NOT CAUSE À VICIAITON OF STATE WATER CUALITY STANDARDS, INCUDING NUISANCE CONDITIONS, ROSION IN RECEIVING CHANNES OR ON DOINS OF ROFFENETES, OR A SIGNIFICANT ADVENSE IMARACT TO WETLANDS CAUSED SY INUNDATION OR DECREASE OF FLOW, IMMIN. R. 7080] I SA SERVITES MUST DESIGNINO ROCKARSE OF FLOW, IMMIN. R. 7080] CEASTRUCTION ACTIVITES DOES NOT CONTROL A PERMANENT STORMWATER TRANSMINIST SYSTEM OT AFREAT THE WATER QUALITY VOLUME IF THE PROJECTS ULTIMATE DEVELOPMENT FORMWATER TRANSMINIST SYSTEM OT ONE (SI DI MONDALI DE ARDE OF THE UNITER TRANSMINIST SYSTEM OT ONE (SI DI MONDALI DE ARDE OF THE UNITER TRANSMINIST SYSTEM OT ONE (SI DI MONDALI DE ARDE OF THE UNITER TRANSMINIST SYSTEM OT ONE (SI DI MONDALI DE ARDE OF THE UNITER TRANSMINIST SYSTEM OT ONE (SI DI MONDALI DE ARDE OF THE UNITER TRANSMINISTING). CREATING A NEI HORCHAGE OF ONE (1) ON MONDE ARDE OF THE UNITER TRANSMISS SURFACE, JAMIN R. 7090]

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)

OURTALES GREATED BY THE PROJECT. (MINN. R. 7080) 15.6 PERMITTEES MUST FIRST CONSIDER VOLUME REDUCTION PRACTICES ON-SITE (E.G., INFLITATION OR OTHER) WHEN DESIGNING THE PERMANDER TORRWATER TREATMENT SYSTEM. IF THIS PERMIT PROHIBITS MULTIPATION AS DESCRIBED IN THE M 15.4 THROUGH ITEM 16.21, PERMITTEES MAY CONSIDER A WET SEDIMENTATION BASIN, FILTRATION BASIN OR REGIONAL POND. THIS PERMIT DOES NOT CONSIDER WET SEDIMENTATION BASINS AND FILTRATION SYSTEMS TO BE VOLUME REDUCTION PRACTICES, MINN. R. 7080]

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

14.4 WHERE PERMITTEES HAVE NOT CALCULATED THE TWO (2)-YEAR, 24-HOUR STORM RUNOFF AMOUNT, THE TEMPOR BASIN MUST PROVIDE 3,600 CUBIC FEET OF LIVE STORAGE PER ACRE OF THE BASINS' DRAINAGE AREA. (MINN, R. 7080)

14.1 TEMPORARY SEDIMENT BASINS. [MINN. R. 7090] 14.2 WHERE FVE (5) OR MORE ACRES OF DISTURBED BOIL DRAIN TO A COMMON LOCATION, PERMITTEES WAIST PROVIDE A TEMPORARY SEDIMENT BASIN TO PROVIDE TREATMENT OF THE RUNOFE BEFORE IT LEAVES THE CONSTRUCTION SITE OR ENTERS SURFACE WATERS, PERMITTEES MAY CONVERT A TEMPORARY SEDIMENT BASIN TO A PERMANENT BASIN AFTER CONSTRUCTION IS COMPLETE. THE TEMPORARY BASIN IS NO LONGER REQUIRED WAIST PERMANENT COVER HAS REDUCED THE ACREAGE OF DISTURBED SOIL TO LESS THAN FVE (5) ACRES BRAINING TO A COMMON LOCATION, PROVISIONS TO MUNN.

R. 7090

STORM WATER POLLUTION PREVENTION PLAN HIDDEN FOREST EAST PARK ADDITION

17.11 THE PERMITTEES MUST DESIGN A MAINTENANCE ACCESS, TYPICALLY EIGHT (8) FEET WIDE, FOR THE FILTRATION SYSTEM. [MINN. R. 7030]

17.10 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]

17.8 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]

17.8 PERMITTEES MUST DESIGN FILTRATION SYSTEMS TO TREAT A WATER QUALITY VOLUME (CALCULATED AS AN INSTWATTABOUS VOLUME) OF ONE (1) INCH OF RUNOFF, OR ONE (1) INCH MINUS THE VOLUME OF STORWATER TREATED BY ANOTHER SYSTEM ON THE SITE, FROM THE NET INCREASE OF IMPERVIOUS SURFACES CREATED BY THE PROJECT. [MINN. R. 7090] 1/09/0] 17.7 PERMITTEES 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 SOL SURFACE OR ENGINEERED MEDIA SURFACE WITHIN 48 HOURS. ADDITIONAL FLOWS THAT THE SYSTEM GANNOT FILTER WITHIN 48 HOURS MUST SYRASS THE SYSTEM OR DISCHARGE THROUGH AN EMERGENCY OVERFLOW, [MINN: R. 7090]



DRAWN BY: DESIGN BY C.W.P.

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M.Q.A.

RIGINAL DATE

IS IS THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS IN AREAS WHERE SOIL INFILTRATION RATES ARE FIELD MEASURED AT MORE THAN 8.3 INCHES PER HOUR UNLESS THEY AMEND SOILS TO SLOW THE INFILTRATION RATE BELLOW AS INCHES PER HOUR, MINN. R 7090]

15.5 PERMITTEES MUST FIRST CONSIDER VOLUME REDUCTION PRACTICES ON-SITE (E.G., INFILITRATION OR OTHER) WHEN DESIGNING THE PERMANENT STORMWATER TREATMENT SYSTEM. IF THIS PERMIT PROHIBITS INFILTRATION AS DESCRIBED IN TEM 16.4 THROUGH THE 14.5.1, PERMITTES AWX CONSIDER A WET SECHIAETATION BASIN, FILTRATION BASIN FREIGUNAL POND, THIS PERMIT DOES NOT CONSIDER WET SEDIMENTATION BASINS AND FILTRATION SYSTEMS TO BE VOLUME REDUCTION PRACTICES, MUNN, R. 7060]

16.6 FOR PROJECTS WHERE THE FULL VOLUME REDUCTION REQUIREMENT CANNOT BE MET ON-SITE, (E.G., THE SITE HAS INFLITATION PROHIBITIONS), PERMITTEES MUST DOCUMENT THE REASONS IN THE SWPPP, [MINN. R. 7090]

INCLUSION COMMUNICATION COMMUNICATION OF A STATE OF A S

15.8 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, GRASSED SWALES, SMALLER PONDS, OR GRIT CHAMBERS, PRIOR TO THE DISCHARGE OF STORMWATER TO SURFACE WAT (MINN. R. 700)

[MINN. R. 7000] 163 FOR LINEAR PROJECTS WHERE PERMITTEES CANNOT TREAT THE ENTIRE WATER QUALITY VOLUME WITHIN THE EXISTING RIGHTOR-WAY, PERMITTEES MUST MAKE A REASONABLE ATTEMPT TO OBTAIN ADDITAL RIGHT-OF-WAY, EASEMENT OR OTHER PERMISSION FOR STORMATTER TREATMENT DURING THE PROJECT PLANTING PROCESS, DOCUMENTATION OF THESE ATTEMPTS MUST BE IN THE SWIPPP PERMITTEES MUST STILL CONSIDER VOLUME REDUCTION PRACTICES THIST AS DESCRIBED IN ITEM 165. IF PERMITTEES CANNOT OF THAN ADDITIONAL RIGHT-OF-WAY, EASEMENT OR OTHER PERMISSION, THEY FWUST MAXIMUZE THE TREATMENT OF THE WATER QUALITY VOLUME PRIOR TO DISCHARGE TO SURFACE WATERS. [MINN. R. 7090]

102.1 HTTLETTOSTICKY OF GETENGLINGHTMLK, K. (USU) 102.1 NELTRATION OPTIONS INCLUDE, BUT ARE NOT LIMITED TO: INFL:TRATION BASING, INFL:TRATION TRENCHES, RAINWATER GARDENS, BIORETENTIDI AREAS WITHOUT UNDERDRAINS, SWALES WITH IMPERMEASIE CHECK DAMS, AND NATURAL DEPRESSIONS, IF PERMITTES UTILZE AN INFL:TRATION SYGLES WITH IMPERMEASIE CHECK DAMS, AND NATURAL INCORPORATE INTENTION OF ANALYSIS AND INFL:TRATION SYGLES WITH IMPERMEASIE CHECK DAMS, AND NATURAL DEPRESSIONS, IF PERMITTES UTILZE AN INFL:TRATION SYGLES WITH IMPERMEASIE CHECK DAMS, AND NATURAL INCORPORATE INTENTION OF ANALYSIS AND INFL:TRATION SYGLES WITH IMPERMEASIE CHECK DAMS, AND NATURAL INCORPORATE INTENTION OF ANALYSIS AND INFL:TRATION SYGLES WITH IMPERMEASIES WITH INFL:TRATION PERMITTES IN INFL: THE INFL:TRATION SYSTEM IS DESIGNED, INCLUDING THOSE NOT REQUIRED BY THIS PERMIT, [MINN, R. 7090]

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. 7800)

MININE A 7000 IBA PERMITTEES MUST NOT EXCAVATE INFILITRATION SYSTEMS TO FINAL GRADE, OR WITHIN THREE (3) FEET OF FINAL GRADE, UNTL. THE CONTRIBUTING DRAINAGE AREA HAS BEEN CONSTRUCTED AND FULLY STABILIZED UNLESS THEY PROVIDE RIGOROLIS EROSION PREVENTION AND SEDIMENT CONTROLS (E.G., DIVERSION BERMS) TO KEEP SEDIMENT AND RUNOFF COMPLETELY AWAY FROM THE INFILITRATION AREA. [MINN. R. 7090]

16.5 WHEN EXCAVATING AN INFLITRATION 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 INFILTRATION AREA, MINN, R. 7030]

AND-C, UNIN, IC 1999 I BS PERMITES MUST USE A PRETREATMENT DEVICE SUCH AS A VEGETATED FILTER STRIP, FOREBAY, OR WATER QUALTY INLET [C.G., GRIT CHANBER] TO REMOVE SOLIDS, FLOATING MATERIALS, AND OIL AND GREASE FROM THE RUNNOFF, TO THE MAXIMUM ESTENT PRACTICABLE, BEFORE THE SYSTEM ROUTES STORMANTER TO THE INFLATION SYSTEM, UNIN, R. TØDGI

7090) 168 PERMITTEES MUST DESIGN THE INFILTRATION BYSTEM TO DISCHARGE ALL STORMWATER (INCLUDING STORMMATER IN EXCESS OF THE WATER QUALITY VOLUME) ROUTED TO THE SYSTEM THROUGH THE UPPERMOST 901. SURFACE OR ENGINEERED MEDIA SURFACE WITHIN 46 HOURS, PERMITTEES MUST ROUTE ADDITIONAL FLOWS THAT CANNOT INFILTRATE WITHIN 46 HOURS TO BYPASS THE SYSTEM THROUGH A STABILIZED DISCHARGE POINT. (MINN. R. 7090)

16.9 PERMITTEES MUST PROVIDE A MEANS TO VIBUALLY VERIFY THE INFILTRATION SYSTEM IS DISCHARGING THROUGH THE SOIL SURFACE OR FILTER MEDIA SURFACE WITHIN 48 HOURS OR LESS, [MINN, R, 7090] 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)

INTEL TORITOR PROCINCES, PERMITTEES MUST DIVIDE FIELD MEASURED INFILTRATION RATES BY 2 AS A SAFETY FACTOR OR PERMITTEES CAN USE SOL-BORING RESULTS WITH THE INFILTRATION RATE CHART IN THE MINIESDATA STORWATER MANUAL TO DETERMINE DESIGN INFILTRATION RATES WHEN SOL BORINGS INDICATE TYPE A SOLS, PERMITTEES SHOLD FERFORM FIELD MEASUREMENTS TO VERIFY THE FATE IS NOT ABOVE AS INCHES PER HOUR. THIS PERMIT PROHIBITS INFILTRATION IF THE FIELD MEASUREMENTS TO VERIFY THE FATE IS NOT ABOVE AS INCHES PER HOUR. THIS PERMIT PROHIBITS INFILTRATION IF THE FIELD MEASUREMENTS TO VERIFY THE FATE IS NOT ABOVE AS INCHES PER HOUR. MINN. R. 7360]

16.12 PERMITTEES MUST EMPLOY APPROPRIATE ON-SITE TESTING ENSURE A MIMIMUM OF THREE (3) FEET OF SEPARATION FROM THE SEASONALLY SATURATED SOILS (OR FROM BEDROCK) AND THE BOTTOM OF THE PROPOSED INFILTRATION SYSTEM. [MINN. R. 7030]

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

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

C. OUTSIDE OF AN ERA WITHIN A DWSMA CLASSIFIED AS HAVING HIGH OR VERY HIGH VULNERABILTY, UNLESS A REGULATED MSA PERMITTEE PERFORMED OR APPROVED A HIGHER LEVEL OF ENGINEERING REWEW SUFFICIENT TO PROVIDE A FUNCTIONING TREATMENT VISITEM AND TO PREVENT ADVESSE IMPACTS TO GROUDDWATER

SEE "HIGHER LEVEL OF ENGINEERING REVIEW" IN THE MINNESOTA STORMWATER MANUAL FOR MORE INFORMATION, [MINN, R. 7090]

IS DEVENDENT OF THE DELT DURINGENDENT OF ADULTE PARTY FEMILIAL (MITTE FUND) 1621 THIS FEMILIFICATION FOR CONSTRUCTION OF ADULTION OF ADULTION SYSTEMS IN AREAS THAT RECEIVE RUNOFF FROM THE FOLLOWING INDUSTRIAL FACILITIES NOT AUTHORIZED TO INFLICTATE STORMWATER UNDER THAT PROFESS STORWATER PERMIT FOR INDUSTRIAL ACTIVITIES AUTOMOLIE SALVAGE VARDS; SCAPA PECYCLING AND WASTE RECYCLING FACILITIES; HAZARDOUS WASTE TREATMENT, STORAGE, DR DISPOSAL FACILITIES; OR AIR TRANSPORTATION FACILITIES THAT COMINICATION OF ADULTING AD

TZ PLITERTION OFTIONS INCLUGE, BUT ARE NOT LIMITED TO: SAND FILTERS WITH UNDERDRAINS, BIOFILTRATION AREAS, SWALES USING UNDERDRAINS WITH IMPERMEABLE CHECK DAMS AND UNDERGROUND SAND FILTERS. IF PERMITTEES UTILZE A FILTRATION SYSTEM TO MEET THE PERMANENT STORMWATER TREATMENT REQUIREMENTS OF THIS PERMIT, THEY MUST COMPLY WITH ITEMS 17.3 THROUGH 17.11. (MINN. R. 7080)

17.3 PERMITTEES MUST NOT INSTALL FILTER MEDIA UNTIL THEY CONSTRUCT AND FULLY STABILIZE THE CO DRAINAGE AREA UNLESS THEY PROVIDE RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS (E.C. BERMS) TO KEEP SEDIMENT AND RUNOFF COMPLETELY AWAY FROM THE FILTRATION AREA. (MINN. R. 7690)

BEINS) 10 KEEP SEUMIKII AND KONOP LUARLEILEI AMAI PROMINER LUARS AUTONOSE UMINIKSE VOIMINKSE VIIMINKSE VOIMINKSE 17.4 PERMITTEES MUST DEISON FILTRATION SYSTEMIS TO ENVOES AT LEAST 80 PERCENT OT TSS. (MINN R. 708 d'90) 17.5 PERMITTEES MUST LUSE A PRETREATMENT DEVICE SUCH AS A VEGETATED FILTER STRIP, SMALL SEDIMENTAT WARTE QUIN INTVIN ET, EDERFANY OR HYDRODYNAMIC SEPARATOR TO REMOVE SETTLEABLE SOLUSE, FLOATING M

WATER QUALITY INLET, FOREBAY OR HYDRODYNAMIC SEPARATOR TO REMOVE SETTLEABLE SOLIDS, FLOATING MAY AND OLIS AND GREABE FROM THE RUNOFF, TO THE MAXIMUM EXTENT PRACTICABLE, BEFORE RUNOFF ENTERS THE FILTRATION SYSTEM, MINN, R. 7080]

AS DEFINED BY THE MININESULA DEFAVIONENT OF DEVICING AN ADDRAFT, VILLINERABILITY UNLESS A REGULATED MS4 PERMITTEE PERFORMED OR APPROVED A HIGHER LEVEL OF ENGINEERING REVIEW SUFFICIENT TO PROVIDE A FUNCTIONING TREATMENT SYSTEM AND O PREVENT ADVERSE IMPACTS TO GROUNDWATTER; OR

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]

STORMWATER PERMIT FOR INDUSTRIAL ACTIV FACILITIES; HAZARDOUS WASTE TREATMENT, 5 CONDUCT DEICING ACTIVITIES. [MINN. R. 7090]

17.1 FILTRATION SYSTEMS. [MINN. R. 7090]

AND THE INTERNATIONAL PERFORMENT OF A STATEM AND LESS TORMANALER TO THE INFLITATION SYSTEM, MINN. F 16.7 PERMITTEES MUST DESIGN INFLITRATION SYSTEMS TO PROVIDE A WATER DULLITY COLUME (CALCULATED AS AN INSTANTANEOUS VOLUME) OF ONE (1) INCH OF RUNOFF, OR ONE (1) INCH MINUS THE VOLUME OF STORMANTER TREAT ANOTHER SYSTEM ON THE SITE, FROM THE NET INCREASE OF IMPERVIOUS SURFACES OREATED BY THE PROJECT, JMIN 7050]

16.1 INFILTRATION SYSTEMS. [MINN. R. 7090]

RATE BELOW 8.3 NOHES PER HOUR, [MINN. R. 7090] 10.17 THIS PERMIT FORHIGTS PERMITTES FROM CONSTRUCTING INFILTRATION SYSTEMS IN AREAS WITH LESS THAN THREE (3) FEET OF SEPARATION DISTANCE FROM THE BOTTOM OF THE INFILTRATION SYSTEM TO THE ELEVATION OF THE SEASONALLY SATURATES DOLLS OR THE TOP OF BEDROCK UMINN. R. 7090]

16.18 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;

18.1 WET SEDIMENTATION BASIN. [MINN. R. 7090]
18.2 PERMITTEES USING A WET SEDIMENTATION BASIN TO MEET THE PERMANENT STORWWATER TREATMENT REQUIREMENTS OF THIS PERMIT MUST INCORPORATE THE DESIGN PARAMETERS IN ITEM 16.3 THROUGH 18.10. [MINN. R. 7090]
18.3 PERMITTEES MUST DESIGN THE BASIN TO HAVE A PERMANENT VOLUME OF 1,800 CUBIC FEET OF STORAGE BELOW THE OUTLET IPE FOR EACH ACHE THAT DRAINS TO THE BASIN, THE BASINS PERMANENT VOLUME MUST REACH A MINIMUM DEPTH OF AT LEAST THREE (3) FEET AND MUST HAVE NO DEPTH GREATER THAN 10 FEET. PERMITTEES MUST CONFIGURE THE BASIN TO MINIMUSE SCOULD OR REVISION FOR SOLDS, MININ, R 7060)
18.4 PERMITTEES MUST DESIGN THE BASIN TO PROVIDE LVE STORAGE FOR A WATER QUALITY VOLUME (GLACULATED AS AN INSTANTANEOUS VOLUME) OF OME (1) INCH OF RUNDEF, RO (ONE (1) INCH MUNUS THE VOLUME OF STORMANTER TREATED BY ANOTHER SYSTEM ON THE SITE, FROM THE NET INCREASE IN IMPERVIOUS SURFACES CREATED BY THE PROJECT. (MINN. R. 7090)
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. 7690]
18.6 PERMITTEES MUST DESIGN BASIN OUTLETS TO PREVENT SHORT-CIRCUITING AND THE DISCHARGE OF FLOATING DEBRIS. BASIN OUTLETS MUST HAVE ENERGY DISSIPATION, [MINN, R. 7090]
18,7 PERMITTEES MUST DESIGN THE BASIN TO INCLUDE A STABILIZED EMERGENCY OVERFLOW TO ACCOMMODATE STORM EVENTS IN EXCESS OF THE BASIN'S HYDRAULIC DESIGN. [MINN, R, 7090]
18.8 PERMITTEES MUST DESIGN A MAINTENANCE ACCESS, TYPICALLY EIGHT (8) FEET WIDE, FOR THE BASIN. [MINN. R. 7090]
18.9 PERMITTEES 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 COMPLIES WITH THE REQUIREMENTS OF SECTION 22. JIMIN. R. 7030]
16.10 PERMITTEES MUST DESIGN BASINS USING AN IMPERMEABLE LINER IF LOCATED WITHIN ACTIVE KARST TERRAIN. [MINN. R. 7090]
19.1 REGIONAL WET SEDIMENTATION BASINS. [MINN. R. 7090]
19.2 WHEN THE ENTIRE WATER GUALITY YOLUME CANNOT BE RETAINED ONSITE, PERMITTES CAN USE OR OREATE REGIONAL WET SEDIENTATION BASINS PROVIDED THEY ARE CONSTRUCTED BASINS, NOT ANTUARL, WETLAND OR WATER BODY, (WETLANDS USEO AS REGIONAL BASINS MUST BE MITIGATED FOR, SEE SECTION 22, THE OWNER MUST REURIENTE REGIONAL BASIN CONFORMS TO ALL REQUIREMENTS FOR A WET SEDIMENTATION BASIN AS DESCRIED IN TEMS 18.3 THROUGH 18.10 AND MUST BE LARGE ENOUGH TO ACCOUNT FOR THE ENTIRE AREA THAN DRAINS AD BESCRIED IN TEMS 18.3 THROUTE EL BASIN. AND MUST BE LARGE ENOUGH TO ACCOUNT FOR THE ENTIRE AREA THAN DRAINS AD BESCRIED IN TEMS 18.3 THROUTE BLAIN. RAND FOR THE TROUTES ALL WE STORAGE YOURS OF ONE INCLUSION TO THE REGIONAL BASIN. TRANS TO THE REGIONAL BASIN. THE DATA TO SUBJECT TO A STORAGE YOURS OF ONE INCLUSION TO THE REGIONAL BASIN. THEO THE BASIN. PRAINTIESE CANNOT SIGNIFICANTLY DEGRADE WATERWAYS BETWEEN THE PROJECT AND THE REGIONAL BASIN. THE OWNER MUST OBTIN WRITTEN ALTHORIZATION FROM THE APPLICABLE LOU OR PRIVATE ENTITY THAT OWNS AND MAINTAINS THE REGIONAL BASIN. [MINN. R. 7090]
20.1 SWPPP AVAILABILITY. [MINN. R. 7090]
20.2 PERMITTEES MUST KEEP THE SWPPP, INCLUDING ALL CHANGES TO IT, AND INSPECTIONS AND MAINTENANCE RECORDS AT THE STIE DURING NORMAL WORKING HOURS BY PERMITTEES WHO HAVE OPERATIONAL CONTROL OF THAT PORTION OF THE

SITE, MINN, R. 70901

21.1 TRAINING REQUIREMENTS. [MINN. R. 7090] 21.2 Permittees must ensure all of the following individuals receive training and the content and extent of the training is commensurate with the individuals job duties and responsibilities with regard to activities covered under this permit:

A. INDIVIDUALS PREPARING THE SWPPP FOR THE PROJECT

REMAINSANCE FREPARING 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 UPON REQUEST BY THE MPCA.

HOUNS UPON REQUEST BY THE MPCA. C. INDIVIDUALS PERFORMING OR SUPERVISING THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS. [MINN. R. 7060] 21.3 PERMITTEES MUST ENSURE INDIVIDUALS IDENTIFIED IN SECTION 21 RECEIVE TRAINING FROM UCCAL, STATE, FEDERAL AGENCIES, PROFESSIONAL ORGANIZATIONS, OR OTHER ENTIFIES WITH EXPERTISE IN EROSION PREVENTION, SEDMEAT CONTROL, PERMANENT STORMWATER TRACHMENT AND THE WINKESOTA INDESIDS ON SUPERVENTION STORMWATER PERMITTEES MUST ENSURE THESE INDIVIDUALS ATTEND A REFRESHER-TRAINING COURSE EVERY THREE (8) YEARS, JMINN, R. 7060]

23.1 ADDITIONAL REQUIREMENTS FOR DISCHARGES TO SPECIAL (PROHIBITED, RESTRICTED, OTHER) AND IMPARIED WATERS. [MINN. R. 7090]

23.9. DISCHARGES TO THE TROUT STREAMS (OTHER SPECIAL WATER) LISTED IN MINN. R. 6264.0060, SUBP. 4 MUST INCORPORATE THE BMPS OUTLINED IN ITEMS 23.9, 23.10, 23.11, AND 23.12. [MINN.R.6264.0050, SUBP. 4] THE DIFF OF THE MAN AND ATTENDED TO THE AND A THE AND A

23.10 PERMITTEES MUST PROVIDE A TEMPORARY SEDIMENT BASIN AS DESCRIBED IN SECTION 14 FOR COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH FIVE (5) OR MORE ACRES DISTURBED AT ONE TIME. [MINN.R. 7090]

LOCATIONS THAT SERVE AN AREA WITH HVE (5) OK MORE ACRES DISTORADED AT ORE TIME, (MINNER, FOST 23.11 PERMITTEES MUST INCLUDE AN UNISIST MAINTAIN THIS BUFFER ZONE AT ALL TIMES, BOTH DURING CONSTRUCTION AND AS A PERMANENT FEATURE POST CONSTRUCTION, EXCEEPT WHERE A WATER CROSSING OR OTHER ENCROACHMENT IS NECESSARY TO COMPLETE THE PROJECT. PERMITTEES MUST FULLY DOCUMENT THE CIRCUMSTANCE AND REASONS THE BUFFER ENCROACHMENT IS A DURING THE SUPPORT AND INCLUDE RESTORATION ACTIVITIES. THIS PERMIT ALLOWS REPLACEMENT OF EXISTING IMPERVIOUS SURFACE WITHIN THE BUFFER, PERMITTEES MUST MINIMIZE ALLOYES OLALITY, SCHECK AND OTHER ENVIRONMENT. IMPOSTO FOR THE RESPERTANCE OF ADDITIONAL OR REDUNDANT (DOUBLE) BMPS AND MUST DOCUMENT THIS IN THE SWPPP FOR THE PROJECT. (MININ, R. 7060)

8. PROVIDE STORMWATER INFILTRATION OR OTHER VOLUME REDUCTION PRACTICES AS DESCRIBED IN ITEM 15.4 AND 15.5, TO REDUCE RUNOFF, INFILTRATION SYSTEMS MUST DISCHARGE ALL STORMWATER ROUTED TO THE SYSTEM WITHIN 24 HOURS. b. PROVIDE STORMWATER FILTRATION AS DESCRIBED IN SECTION 17. FILTRATION SYSTEMS MUST DISCHARGE ALL STORMWATER ROUTED TO THE SYSTEM WITHIN 24 HOURS.

a. MINIMIZE THE DISCHARGE FROM CONNECTED IMPERVIOUS SURFACED BY DISCHARGING TO VEGETATED AREAS, OR GRU SWALES, AND THROUGH THE USE OF NON-STRUCTURAL CONTROLS.

SWALES, AND INFOUGH HE USE OF NON-SINCULIDE AN APPROMATE COMINATION OF MEASURES SUCH AS SHADING, (IF PONDING IS USED, THE DESIGN MUST INCLUDE AN APPROMATE COMBINATION OF MEASURES SUCH AS SHADING, VEGETATED SWALE DISCHARGES OR CONSTRUCTED WETLAND TREATMENT CLUS THAT LIMIT TEMPERATURE INCREASES. TH POND MUST BE DESIGNED AS A DRY POND AND SHOULD DRWN DOWN IN 24 HOURS OR LESS. B. OTHER METHODS THAT MINIMIZE ANY INCREASE IN THE TEMPERATURE OF THE TROUT STREAM. [MINN. R. 7090].

24,1 GENERAL PROVISIONS. [MINN. R. 7090]

ACL OF 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 THIS GENERAL PERMIT WILL REMAIN IN EFFECT UNTIL THE MPCA INSUES AN INDIVIDUAL PERMIT. [MIN. R. YOOI 2015, SUBP. 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))

AS PERINTERS MUST MAKE THE SWPPP, 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. 780)

ALLEN & JOY THE FRAMIT RECOVERY AND A COMMENDATION OF ANY PROVISION OF THIS PERMIT OR THE APPLICATION OF ANY PROVISION OF THIS PERMIT TO ANY CIRCUMSTANCES IS HELD INVALID. THE APPLICATION OF SUCH PROVISION TO OTHER CIRCUMSTANCES, AND THE REMAINDER OF THIS PERMIT MUST NOT BE AFFECTED THEREY, MAIN R. 7060]

24.9 THE PERMITTEES MUST COMPLY WITH THE PROVISIONS OF MINN. R. 7001.0150, SUBP. 3 AND MINN. R. 7001.1099, SUBP. 1(A), 1(B), 1(C), 1(H), 1(I), 1(J), 1(K), AND 1(L), (MINN. R. 7090)

Authors in dimension on advertigination or records on domain and services or investigations, indicated and the records of the

DOCUMENTATION OF TRAINED INDIVIDUALS

INDIVIDUAL WHO PREPARED THE SWPPP. UNIVERSITY OF MINNESOTA Erosion and Stormwate ADAM GINKEL PLOWE ENGINEERING, 6776 LAKE DRIVE LINO LAKES MN 55014 ERING, INC. Adam Ginkel (651) 361-8234 Cant als

Design of Construction SWPPP (May 31 2023)

PROJECT NAME HIDDEN FOREST EAST PARK ADDITION PROJECT LOCATION LOCATION: UNASSIGNED NORTH OF 143RD AVE NE @ PACKARD ST NE EAST OF LEXINGTON AVE NE HAM LAKE, MN 55304 ANOKE COUNTY LATITUDE: 45.230 LONGITUDE: -93.153 DEVELOPER HFN PROPERTIES, LLC 17404 WARD LAKE DR NW

CONTACT NAME: JEFF STALLBERGER CONTACT PHONE: 612-778-1471 CONTACT E-MAIL: STALLY88@MSN.COM

NARRATIVE - PERMANENT STORMWATER TREATMENT SYSTEMS THE PROJECT CONSISTS OF THE CONSTRUCTION OF 2 RESIDENCES. NO BMPs ARE PROPOSED FOR STORMWATER TREATMENT.

PERMANENT STORWWATER MANAGEMENT TREATMENT SYSTEMS PER MPCA RULES, CITY OF HAM LAKE, AND COON CREEK WATERSHED DISTRICT ARE REQUIRED FOR THIS PROJECT.

SITE IMPERVIOUS AREAS

	BEFORE CONSTRUCTION	AFTER
TOTAL SITE AREA	11.24	ACRES
TOTAL ESTIMATED IMPERVIOUS	0.20 ACRES	0.60 ACRES
TOTAL ESTIMATED PERVIOUS	11.04 ACRES	10.64 ACRES

TOTAL DISTURBED AREA

SITE MAP W/ EXISTING AND FINAL GRADES AND DESIGN CALCULATIONS SEE 'STORMWATER DRAINAGE REPORT' FOR EXISTING AND PROPOSED AREA MAPS, DENOTING DRAINAGE AREA BOUNDARIES, DIRECTIONS OF FLOW, AND DISCHARGE POINTS WATER LEAVES THE SITE.

NAME OF WATER BODY	TYPE OF WATER BODY	SPECIAL WATER	IMPAIRED WATER
UNNAMED WETLANDS	WETLAND	NO	NO
UNNAMED DITCH	DITCH	NO	NO
COUNTY DITCH NO. 44	DITCH	NO	NO
UNNAMED PWI	WETLAND	NO	NO
COON CREEK	CREEK	NO	YES

BUFFER TO SURFACE WATER

THE STREDRAINS TO A SUBFACE WATER, IS A 50-FT NATURAL BUFFER ADJACENT TO YES NO NA THE SUBFACE WATER PRESERVED? NOTE: NATURAL BUFFERS ARE NOT REQUIRED ADJACENT TO ROAD DITCHES, JUDICIAL DITCHES, COUNTY DITCHES, STORMWATER CONVEYANCE CHANNELS, STORM DRAIN INLETS, AND SEDIMENT BASINS.

- SURFACE WATERS

INFILTRATION FEASIBILITY

Management

Cary Scots Hard Department of Disgrate University of Managar

YES NO NA THROUGH 16.21?

- ADDITIONAL STORMWATER MITIGATION MEASURES YES NO . ENVIRONMENTAL REVIEW DOCUMENTS
- - ENDANGERED SPECIES REVIEW?
 - ARCHAEOLOGICAL REVIEW?

LONG TERM OPERATION AND MAINTENANCE OF PERMANENT STORMWATER FACILITIES THE PERMANENT STORMWATER MANAGEMENT FACILITIES ARE PRIVATELY OWNED AND THE LONG-TERM OPERATIONS AND MAINTENANCE WILL BE PROVIDED BY THE OWNER. THE CITY OF HAM LAKE SHALL NOT BE RESPONSIBLE FOR LONG-TERM OPERATIONS AND MAINTENANCE OF THE STORMWATER MANAGEMENT FACILITIES.

LIST OF IMPAIRED WATERS:

COON CREEK

REVEGETATION SPECIFICATIONS

* FOR TURF ESTABLISHMENT

TEMPORARY

WOOD FIBER BLANKET

RIP-RAP W. GEO-FABRIC

SEED & MULCH (GENERAL)

EROSION CONTROL BLANKET

INLET PROTECTION

ROCK CONSTRUCTION ENTRANCE

MULCH FERTILIZER

SILT FENCE

SOD

COMMERCIAL TURE RESIDENTIAL TURE

FALL COVER

1-2 YEARS COVER 2-5 YEARS COVER

SOIL-BUILDING COVER

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

TURF REINFORCEMENT MAT (ENKAMAT)

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

QUANTITIES - ESTIMATED QUANTITIES FOR EROSION AND SEDIMENT CONTROL MEASURES

NARRATIVE - TIMING FOR INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES

NARTRATIVE - IIMING PUK INSI JALLA IIUM UP EKUSION AND SEUMENI CUI
 A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND SWPPP MUSTBE AVAILABLE ON THE PROJECT SITE AT ALL TIMES.
 CONTRACTOR SHALL INSTALL SILT FENCE AS SHOWN ON PLAN.
 ADDITIONAL SILT FENCE SITE AT ALL TIMES.
 CONTRACTOR SHALL MANTAIN SILT FENCE, INCLUDING THE REMOVAL OF ACCUMULTED SEMENT, THAOLEN COMPLETION OF BUILDING CONSTRUCTION 2. SILT FENCE SHALL REMAIN INFLACE UNTIL SITE HAS BEEN STABILIZED.
 CONTRACTOR SHALL INFLACE UNTIL SITE HAS BEEN STABILIZED.
 CONTRACTOR SHALL THE PROVE CONSTRUCTION ENTRANCE CONSTRUCTION TRAFFIC ENTERS ONTO EXISTING PAVED SURFACES.
 CONTRACTOR TO INTALL THE PROVETOIN FRANCIA SA PPLICABLE

CONTRACTOR SHALL INSTALL THE NOR CONSTRUCTION BUTCHENERGY
 CONTRACTOR TRAFFIC BUTERS ON TO CONTRACT BUTCHENERGY
 CONTRACTOR TRALL PERFORM SITE GRADING ON AN AREA-BY-AREA BASIS TO
 MININZE UNSTRAULZED AREA.
 CONTRACTOR MUST IMMEDIATELY NITATE STABILIZATION OF EXPOSED SOIL
 AREAS, AD ESCRIBED IN ITEM 40 OF THE PERMIT, AND COMPLETE THE
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 CONTRACTOR TO PROTECT PERMANENT STORMWATER MANAGEMENT FACILITIES
 FROM CONSTRUCTION RUN-OF THE SITE TEMPORAWILL ON PERMANENTLY
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 FROM CONSTRUCTION RUN-OF PROVENTIAL ON PERMANENTY
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 ALL EROSION AD SECONDARY AND ACCORDANCE WITH THE CONTROL
 CONTROL FOR THE DI THALE IN THE CONTROL BADDITIONE WITH THE CONTROL
 CONTROL FOR TOR TOR DADACEMENTS.

PHASE II PERMIT REQUIREMENTS. 9. CONTRACTOR TO PROVIDE ADDITIONAL SILT FENCE, BIOROLLS, EROSION CONTROL BLANKET, OR OTHER APPROVED EQUAL FOR ANY SLOPES THAT APPEAR TO BE FAILING 1. CONTRACTOR TO STABILIZE SOIL STOCKPILES, STABILIZATION SHALL BE INITIATED IMMEDIATELY

11. CONTRACTOR SHALL FINAL GRADE SWALE AREAS UPON STABILIZATION OF UPSTREAM

AREAS. 12. CONTRACTOR SHALL BE RESPONSIBLE TO SWEEP/SCRAPE ADJACENT STREETS WHEN MATERIALS OR DEBRIS HAVE WASHED/FLOWED ONTO ADJACENT STREETS OR AS

DIRECTED BY GITY 13. COORDINATE SMALL UTILITIES INSTALLATIONS (GAS, PHONE, ELECTRIC, GAS, ETC.) AFTER CURB & GUTTER INSTALLATION.

JUST STREET HAS AN EPA-APPROVED IMPAIRMENT OF BENTHIC MACROINVERTEBRATE BIOASSESSMENTS AND E. COLI. THESE IMPAIRMENTS ARE CONSIDERED TO BE CONSTRUCTION RELATED PARAMETERS AND REQUIRE THE ADDITIONAL BEST MANAGEMENT PRACTICES FOUND IN ITEMS

MNDOT SPECIFICATION/NOTES

3878

MNDOT MIX 25-131 (220 LBS/ACE MNDOT MIX 25-131 (120 LBS/ACRE

MNDOT MIX 21-112 (100 LBS/ACRE) MNDOT MIX 21-111 (100 LBS/ACRE) MNDOT MIX 21-113 (110 LBS/ACRE)

MNDOT MIX 22-111 (30.5 LBS/ACRE) MNDOT MIX 22-112 (40 LBS/ACRE)

3681

3885 (CATEGORY

2200 LINEAR FEET
CUBIC YARDS

ACRE

EACH

2 EACH SQUARE YARDS

SQUARE YARDS

SQUARE YARDS

3882 (TYPE 1 - DISC ANCHORED)

ITEN

SOL

B. INDIVIDUAL(S) OVERSEEING IMPLEMENTATION OF, REVISING AND/OR AMENDING 1 SWIPPP AND INDIVIDUALS PERFORMING INSPECTIONS FOR THE PROJECT, ONE OF THESE INDIVIDUALS MUST BE AVAILABLE FOR AN ONSTI INSPECTION WITHIN 72 HOURS UPON REQUEST BY THE MPCA. [MINN. R. 7090]

NAME COMPANY ADDRESS ADDRESS 2 PHONE

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

NAME ADDRESS 1 ADDRESS 2 PHONE

PLAN WILL ULTMATELY DISTURB EQUAL TO OR OREATER THAN ONE ACRE. THIS INCLUDEN A DISTURBANCET OT THE LAND THAT RESULTS IN A CHARGE IN THE TOPOGRAPHY, EXISTING SOIL COVER, BOTH VEGETATIVE AND NONVEGETATIVE, OR THE EXISTING SOIL TOPOGRAPHY THAT MAY RESULT IN ACCELERATED STORMWATER RUNOFT THAT MAY LEAD TO SOIL EROSION AND MOVEMENT OF SEDIMENT. CONSTRUCTION ACTIVITY DOES NOT INCLUDE A DISTURBANCE OF THE LAND OF LESS THAN FIVE ACRES FOR THAT PURPOSE OF ROUTINE MAINTENANCE PERFORMED TO MAINTAIN THE ORIGINAL LINE AND GRADE DOES NOT INCLUDE ACTIVITIES SUCH AS REPAIRS, REPLACEMENT AND ON THAT THE ADDRESS DOES NOT INCLUDE ACTIVITIES SUCH AS REPAIRS, REPLACEMENT AND ON TOTISTURATE DOES NOT INCLUDE ACTIVITIES SUCH AS REPAIRS, REPLACEMENT AND ON TOTISTURATION DON ROUTINE MAINTENANCE, PAREMENT AND REPLACEMENT AND ON TOTISTURATION DON ROUTINE MAINTENANCE, PAREMENT AND REPLACEMENT AND ON TOTISTURATION DON ROUTINE MAINTENANCE, PAREMENT AND REPLACEMENT AND ON TOTISTURATION AND THOULDE ACTIVITIES SUCH AS REPLACEMENT AND ON TOTISTURATION ACTIVITIES AND DOES NOT INCLUDE ACTIVITIES AND AND REPLACEMENT AND ON TOTISTURATION ACTIVITION ACTIVITIES THE NDERLYING SOILS (E.G., MILL AND OVERLAY PROJECTS) IS NOT CONSTRUCTION ACTIVITY MINN. R. 7090]

MINING CONTRACTOR OF A CONTRACT OF A CONTRACTION STIET OF ENABLE CONSTRUCTION ACTIVITY. DEWATERING MAY SOLIDITY A CONSTRUCTION STIET OF ENABLE CONSTRUCTION ACTIVITY. DEWATERING MAY REQUIRE A MINISEOTA DEPARTMENT OF NATURAL RESOURCES WATER APPROVANTION PERMIT AND, IF DEWATERING WATER IS CONTAMINATED, DISCHARCE OF SUCH WATER MAY REQUIRE A MINDIVIDUAL MECON PERMIT, MINIST, RESOURCES AND A MAY REQUIRE A MINDIVIDUAL MECON PERMIT, MINIST, RESOURCES AND A MAY REQUIRE A MINDIVIDUAL MECON PERMIT, MINIST, RESOURCES AND A MAY REQUIRE A MINDIVIDUAL MECON PERMIT, MINIST, RESOURCES AND A MAY REQUIRE A MINDIVIDUAL MECON PERMIT, MINIST, RESOURCES AND A MAY REQUIRE A MINDIVIDUAL MECON PERMIT, MINIST, RESOURCES AND A MAY REQUIRE A MINDIVIDUAL MECON PERMIT, MINIST, RESOURCES AND A MAY REQUIRE A MINDIVIDUAL MECON PERMIT, MINISTRUCTURE AND A MAY REQUIRE A MINISTRUCTURE AND A MAY REQUIRE A MINDIVIDUAL MECON PERMIT, MINISTRUCTURE AND A MAY REQUIRE A MINISTRUCTURE AND A MINIS *EROSION PREVENTION* MEANS MEASURES EMPLOYED TO PREVENT EROSION SUCH AS SOIL STABILIZATION PRACTICES, PERMANENT COVER OR CONSTRUCTION PHASING, [MINN.

R. 70901 H. (NOI) "GENERAL CONTRACTOR" MEANS THE PARTY WHO SIGNS THE CONSTRUCTION CONTRACT WITH THE OWNER 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 ON BEHALF OF THE OWNER. IN SOLK CASES, THE OWNER IS THE GENERAL CONTRACTOR. IN THESE CASES, THE OWNER RIGHS THE PERMIT APPLICATION AND BECOMES THE SOLK FRANCHER RIGHS THE PERMIT AS THE OPTERFUTOR AND BECOMES THE SOLK FRANCHER RIGHS. THE OWNER IS THE CONTRACTOR AND BECOMES THE SOLK FRANCHER RIGHS THE PERMIT CONTRACTOR AND BECOMES THE SOLK FRANCHER RIGHS. THE OWNER IS THE

NOTICE DEVICTOR MEANS THE WATER CONTAINED BELOW THE SURFACE OF THE EARTH IN THE EATURATED ZONE INCLUDING, WITHOUT LIMITATION, ALL WATERS WHETHER UNDER CONFINED, UNCONFINED, OR PERCHED CONDITIONS, IN NERS RURFACE UNCORSULDATED BEUMENT OR REGOLITH, OR IN ROCK FORMATIONS DEEPER UNDERGROUND, MINN, R.

HOMEOWNER FACT SHEET" MEANS AN MPCA FACT SHEET AVAILABLE ON THE MPCA CONSTRUCTION STORAWATER WEBSITE FOR PERMITTEES TO GIVE TO HOMEOWNERS AT THE TIME OF SALE, JIMINN, TOSO]

T080] INITIATED IMMEDIATELY" MEANS TAXING AN ACTION TO COMMENCE SOIL STABILIZATION AS SOON AS PRACTICABLE, BUT NO LATER THAN THE END OF THE WORK DAY, FOLLOWING THE DAY WHEN THE LAN-DISTURBING ACTIVITIES TEMPORATILY OR PERMANENTLY CEASE, IF THE PERMITTEES KNOW THAT CONSTRUCTION WORK ON THAT PORTION OF THE SITE WILL BE TEMPORARILY CEASED FOR 14 OR MORE ADDITIONAL CALENDAR DAYS OR T CALENDAR DAYS WHERE ITEM 23.9 APPLIES, PERMITTEES CAN INITIATE STABILIZATION BY: A. PREPPING THE SOIL FOR VEGETATIVE OR NON-VEGETATIVE STABILIZATION; OF B. APPLYING MULCH OR OTHER NON-VEGETATIVE PRODUCT TO THE EXPOSED SOIL AREA;

SEEDING OR PLANTING THE EXPOSED AREA; O

D. STARTING ANY OF THE ACTIVITIES IN A - C ON A PORTION OF THE AREA TO BE STABILIZED, BUT NOT ON THE ENTIRE AREA; OR

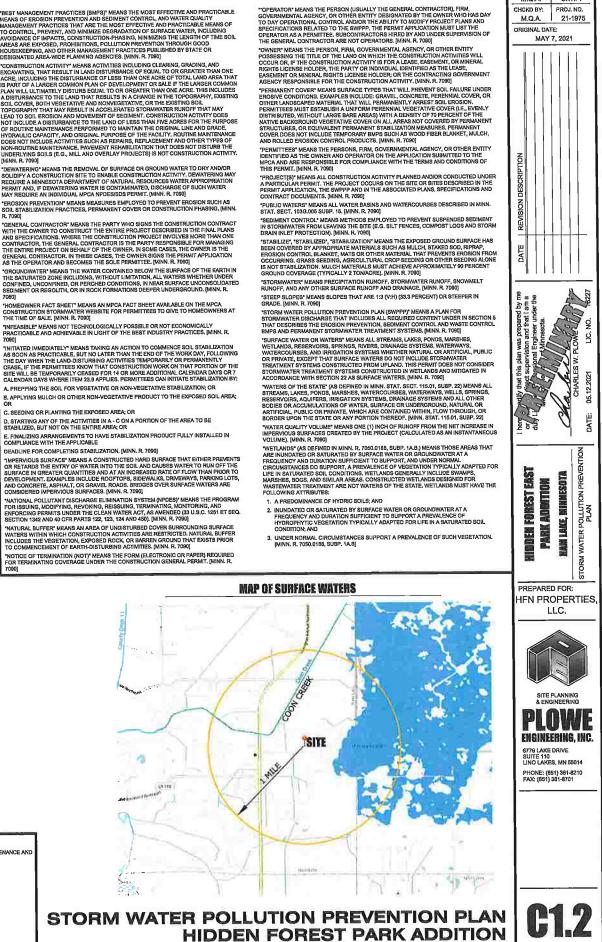
DEADLINE FOR COMPLETING STABILIZATION. [MINN. R. 7090]

IMPERVIOUS SURFACE' MEANS A CONSTRUCTED HARD SURFACE THAT EITHER PREVENTS OR RETARDS THE ENTRY OF WATER INTO THE SOIL AND CAUSES WATER TO RUN OFF THE SURFACE IN DEALTER QUARTIES AND AT AN INCREASED RATE OF FLOW THAN FROM TO DEVELOPMENT. EXAMPLES INCLUDE NOOFTOPS, SIDEWALKS, DRIVENAYS, PARKIES ARE AND CONCRETE, ASPIALT, OT GRAVER, RADIES SHORED SUFFACE WATER SURFACE IN RUN AND FLOW THERE ARE RED IMPERVIOUS SURFACES. [MINN. R. 7090]

NATIONAL POLILUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)' MEANS THE PROGRAM FOR ISSUING, MODIFYING, REVOKING, REISSUING, TEXMINATING, MONITORING, AND ENPORCING PERMITS UNDER THE CLEAN WATER ACT, SA XMENDEI (30 U.S.C. 1251 ET SEQ. SECTION 1342 AND 40 CFR PARTS 122, 123, 124 AND 450). [MINN. R. 7090]

TATURAL BUFFER MEANS AN AREA OF UNDSTURBED COVER SURROUNDING SURFACE WATERS WITHIN WHICH CONSTRUCTION ACTIVITIES ARE RESTROITED. NATURAL BUFFER INCLUDES THE VEGETATION, EVPOSED 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.



C.W.P.

PROJ. NO.

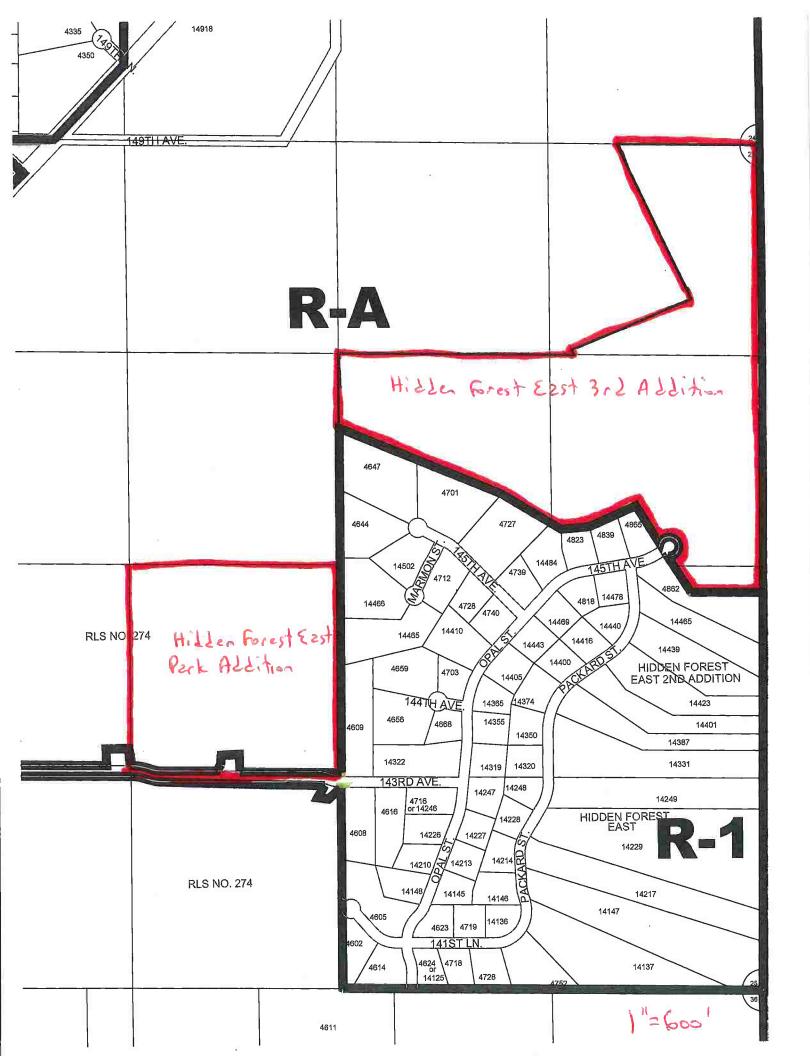
M.Q.A.

HCKD BY:

OTHER LOCAL, STATE OR FEDERAL REVIEW • OTHER LOOKE, OTHE OR REPEAR IN THE MITIGATION MEASURES. FOR PURPOSES OF THIS OF REMAIN MITIGATION MEASURES MEANS ACTIONS NECESSARY TO AVOID, MININGE, OR MITIGATION THE MITIGATION MEASURES RECESSARY STORY, OLIVINE, ON MITIGATE FOR IMPACTS RELATED TO EROSION PREVENTION, SEDIMENT CONTROL, THE PERMANENT STORMWATER TREATMENT SYSTEM, FOLLUTION REPREVENTION MANAGEMENT MEASURES AND DISCHARGES ASSOCIATED WITH THE PROJECTS CONSTRUCTION ACTIVITY.

TEMPORARY SEDIMENTATION BASINS TELL OUTCOME OF THE INTERNET OF THE ADDRESS OF DISTURBED SOIL DRAIN TO A COMMON LOCATION, IS A TEMPORARY SEDIMENT BASIN PROVIDED FOR TREATMENT OF YES NO NA'T THE RUNCH'S BEFORE IT LEAVES THE CONSTRUCTION SITE OR ENTERS

RECEIVING WATERS WITHIN ONE MILE





6/4/2021 Revised Figure 2 - Existing Conditions (2020 Metro Photo)



143rd Ave NE (KES 2020-178) Ham Lake, Minnesota

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



CITY OF HAM LAKE 15544 Central Avenue NE Ham Lake, Minnesota 55304 (763) 434-9555

Fax: (763) 434-9599

CITY OF HAM LAKE PARK AND TREE COMMISSION MINUTES WEDNESDAY, SEPTEMBER 19, 2018

The Ham Lake Park and Tree Commission met for its regularly scheduled meeting on Wednesday, September 19, 2018 at 6:00 p.m. at the Ham Lake City Hall, 15544 Central Avenue NE, Ham Lake, Minnesota.

MEMBERS PRESENT:	Vice Chair Tim Donnay and Commissioners, Al Stauffacher, Tara Lanigan and Doug Miller	
MEMBERS ABSENT:	Patrick Wolfgram	
OTHERS PRESENT:	Public Works Superintendent, Tom Reiner and Deputy City Clerk, Jennifer Bohr	

CALL TO ORDER:

Vice Chair Donnay called the meeting to order at 6:00 p.m. and the Pledge of Allegiance was recited by all in attendance.

APPROVAL OF MINUTES:

Motion by Stauffacher, seconded by Miller, to approve the minutes of the July 18, 2018 Park and Tree Commission meeting as written. All present in favor. Motion carried.

CITY COUNCIL UPDATE: None

1.0 APPEARANCES:

×

1.1 Jeff Stalberger, HFN Properties, LLC, consideration of Parkland Dedication for Sketch Plan of Hidden Forest East 2nd Addition (42 Single Family Residential Lots) in Section 25.

Jeff Stalberger of HFN Properties, LLC was present. Mr. Stalberger stated he developed the plat of Hidden Forest East last spring and Hidden Forest East 2nd Addition will be to the north of that plat. Vice Chair Donnay asked Mr. Stalberger if he has plans to develop additional land in this area and would those developments include a park. Superintendent Reiner stated that the Comprehensive Plan identifies an area north of the Hidden Forest East 2nd Addition as a potential future park location. Mr. Stalberger stated he prefers to offer the City money in lieu of parkland but he would be willing to work with the Knolls, current owners of the adjacent property, and the City to negotiate a purchase of land for a park, perhaps in a section to the southwest of Hidden Forest East 2nd Addition. Superintendent Reiner suggested that Mr. Stalberger purchase land in the next phase of development that could be parkland. Discussion followed regarding dedication of future parkland bordering Carlos Avery Wildlife

Management Area (WMA); there was concern that hunters would utilize any parkland bordering Carlos Avery WMA as an entrance to the WMA for hunting and cause parking issues. Commissioner Miller voiced his concern with the limited amount of parkland the City has obtained in the past two years and that tonight's discussion is only speculative; there is no guarantee the City will obtain parkland in future phases of development in this area. Vice Chair Donnay asked Mr. Stalberger when he would develop the next phase in the Hidden Forest East development. Mr. Stalberger stated it could possibly be eighteen months from now. Vice Chair Donnay asked if Mr. Stalberger would be willing to plan a park in the next phase. Mr. Stalberger stated he would be willing to plan a park in the next phase. Commissioner Stauffacher stated that if money is accepted in lieu of parkland for this development a park needs to be required in the next phase. Commissioner Miller stated the maximum amount of parkland needs to be obtained in the next phase. Motion by Donnay, seconded by Lanigan, to recommend to City Council to accept monies in lieu of parkland for the Sketch Plan of Hidden Forest East 2nd Addition (42 Single Family Residential Lots) in Section 25. Commissioners Donnay and Lanigan voted yes, Commissioners Stauffacher and Miller voted no. Commissioner Stauffacher said he would like a stipulation included in the motion to require parkland in the next phase of the Hidden Forest East development. Donnay moved to amend the motion by adding the following to the motion on the table: with the understanding parkland will be required in the next phase of the Hidden Forest East development. Seconded by Stauffacher. Commissioners Donnay, Lanigan and Stauffacher voted yes, Commissioner Miller voted

no. Motion carried. (This item will be placed on the October 1, 2018 City Council Agenda.)

2.0 PARK & TREE COMMISSION BUSINESS:

2.1 <u>Discussion of recommending a feasibility study for construction of a 1.75 mile bike</u> trail on the west side of Radisson Road NE from 139th Avenue NE to 153rd Avenue NE

Superintendent Reiner stated extending the pedestrian trail on the west side of Radisson Road NE was discussed at the April 4, 2018 workshop meeting and the July 18, 2018 Park and Tree Commission meeting. Superintendent Reiner stated a recommendation was made to City Council for Engineer Collins to contact Anoka County to ask if the County would allow the City to purchase and construct a trail in the county right-of-way; Engineer Collins has contacted Anoka County and they are open to the trail extension. Superintendent Reiner stated the trail would connect to the current bike Iane on 149th Avenue NE, which connects to a trail going into Blaine. Superintendent Reiner stated the next step in this process would be to conduct a feasibility study. Motion by Stauffacher, seconded by Miller, to recommend to City Council that Engineer Tom Collins conduct a feasibility study for the 1.75 mile bike trail along the west side of Radisson Road NE between 139th Lane NE and 153rd Avenue NE. All present in favor. Motion carried. (This item will be placed on the October 1, 2018 City Council Agenda.)

3.0 TREE UPDATE:

3.1 Oak Wilt Tree Inspections

Superintendent Reiner stated tree inspectors have completed road side inspections for oak wilt; 159 notices were sent to residents to inform them that their oak trees have symptoms of





NOTICE OF PERMIT APPLICATION STATUS

Project:	Hidden Forest East Park Addition	
Date:	June 15, 2021	
Applicant:	Jeff Stalberger 17404 Ward Lake Dr. NW Andover, MN 55304	
Permit Application#:	20-169	
Purpose:	Development of 2 single family home lots with parkland	
Location:	143 rd Ave NE, East of Lexington Ave, Ham Lake	

At their meeting on June 14, 2021, the Board of Managers of the Coon Creek Watershed District **conditionally approved** the above referenced project with 2 conditions and 0 stipulations: **This is NOT a permit.**

ISSUES/CONCERNS:

ISSUE	NEED
Escrows: \$2,000 + (XX ac * \$500/ac = \$2875.00	1. Receipt of escrows.
Stormwater & Hydraulics: Rate control is not met for the discharge point to 143 rd Ave ditch. No adverse impacts are expected due to the increase in rates.	No action required.
Wetlands: Wetlands are located on site. The TEP is currently reviewing recently submitted information.	 Provide TEP approval of wetland delineation.

To secure Board review and obtain your permit, the District must receive:

Conditions:

- 1. Receipt of escrows.
- 2. Provide TEP approval of wetland delineation.

After issuance, the permit will include the following stipulations that need to be fulfilled before permit closeout:

Stipulations:

None.

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 Rule 5.1. If you have any

questions, please call 763-755-0975.

Sincerely,

un Ednon

Erin Edison Water Resource Regulation Coordinator

cc: File 20-169 Ed Matthiesen, Stantec Eileen Weigel, Stantec Tom Collins, Ham Lake

Note: Please respond to each of these items in writing when resubmitting the revised plans to the District. Resubmittals must include two hard copies and an electronic version sent to permitsubmittals@cooncreekwd.org. *Please submit written responses below* **the original typed comments, using extra sheets as necessary, addressing comments from the District.** If you have any questions, feel free to contact Erin Edison at (763) 755-0975. Pursuant to Coon Creek rule 7.3 deficiencies must be addressed and resubmitted within 60 days. Failure to so shall be deemed a withdrawal of the permit application.

Tradewell Soil Testing 18330 Dahlia Street NW Cedar, MN 55011

June 7th, 2021

RFC Engineering 13635 Johnson Street NE Ham Lake, MN 55304 Attention: Tom Collins

Dear Mr. Collins:

As a licensed site evaluator who conducted the soil borings in Hidden Forest Park Addition for Jeff Stalberger, I found the following: Each boring has at least 12" of natural, undisturbed and unmottled soil. In order to design and install a standard soil treatment system according to MN Chapter 7080 Code, at least 12" of natural soil with no signs of mottling is required. Therefore, each of the proposed lots will support 2 "standard" septic systems within the 7,500 square feet septic area as shown on the Grading Plan.

Sincerely,

Und Furdewell

Mark Tradewell MPCA #307

143RD AVENUE NE - HAM LAKE, MN - RARE PLANT SURVEY REPORT

Prepared for: Mr. Jeffrey Stalberger HFN Properties, LLC 17404 Ward Lake Dr. NW Andover, MN 55304



MAY 20, 2021



Prepared by: Midwest Natural Resources, Inc. 1032 West 7th Street, Suite 150 St. Paul, Minnesota 55102 www.mnrinc.us



Mr. Jeffrey Stalberger HFN Properties, LLC 17404 Ward Lake Dr. NW Andover, MN 55304

May 20, 2021

Mr. Stalberger,

Midwest Natural Resources, Inc. (MNR) is pleased to provide the following report for botanical surveys of the Ham Lake property located north of 143rd Avenue NE, east of Lexington Avenue in Anoka County, Minnesota. (Figure 1).

Project Limits and Existing Background Data

The project area, which is approximately 38.7 acres, is located in Township 32 North, Range 23 West in the NESW and NWSW quarter-quarter sections of Section 25 (Figure 2). Background data evaluated includes digital soil data, the Minnesota Biological Survey (MBS) sites of biodiversity significance data layer, and the Minnesota Department of Natural Resources (DNR) Native Plant Community (NPC) data layer. According to the Anoka County Soil Survey (Figure 3), the site includes four different soil series: Isanti fine sandy loam (Iw), Lino loamy fine sand (LnA), Markey muck (Ma), and Rifle mucky peat (Rf). All of these soil series, with the exception of Zimmerman fine sand, are very poorly drained to somewhat poorly drained and are often associated with rare plant species occurrences. The MBS sites of biodiversity significance data layer identifies the eastern portion of the project area as a site of outstanding biodiversity significance (Figure 4). The majority of the area identified with this designation, the Carlos Avery Natural Area, continues well outside of the project area. This designation indicates locations that include occurrences of the rarest species, the best examples of the rarest native plant communities, and/or the largest, most ecologically intact or functional landscapes. However, no NPCs are mapped within the project site, and the landscape itself is not considered unique. Therefore, it is assumed that a rare species occurrence, either animal or plant, was previously documented somewhere within the mapped site of biodiversity significance.

Methods

Prior to conducting field surveys, MNR submitted a rare plant survey protocol to the DNR Endangered Species Coordinator (**Appendix A**). This survey protocol identified 39 state-listed vascular plant species to target during survey efforts.

Field efforts were conducted on May 13, 2021 by Otto Gockman, Jake Walden, and the undersigned. Meander surveys were conducted throughout the site and a general species list for all species observed was recorded (**Appendix B**). Due to the time of year, certain species were identified only to genus.

Results

The majority of the site serves as an operational sod farm that includes two north-south lateral drainage ditches. The lower southern third of the property is under active agricultural row-crop production, but was not planted at the time of the survey. This area additionally includes an excavated basin on south end of site, which was inundated at the time of the field review and dominated by cattails (*Typha* sp.) with bald spikerush (*Eleocharis* cf. *erythropoda*) along perimeter.

The site also includes an oak forest in the eastern half of the site which includes a number of depressional wetlands. The forest has an interrupted canopy that includes white oak (*Quercus alba*), northern pin oak (*Q. ellipsoidalis*), red oak (*Q. rubra*), and black cherry (*Prunus serotina*). Box elder (*Acer negundo*) and common buckthorn (*Rhamnus cathartica*) are prevalent throughout the shrub layer along with beaked hazel (*Corylus cornuta*). The ground layer has varying diversity and is wormed throughout. Common ground layer species include Pennsylvania sedge (*Carex pensylvanica*), common enchanter's nightshade (*Circaea lutetiana var. canadensis*), wild geranium (*Geranium maculatum*), Canada mayflower (*Maianthemum canadense*), interrupted fern (*Osmunda claytoniana*), common buckthorn, and common blue violet (*Viola sororia*). This feature includes a north-south ditch near the edge of the forest as well. The wetland basins within the forest are generally open, species-depauperate depressional basins that are dominated by reed canary grass (*Phalaris arundinacea*). Much of the site was documented with representative photos; these photos are provided in **Appendix C**, and photo locations are displayed in **Figure 5**.

Conclusion

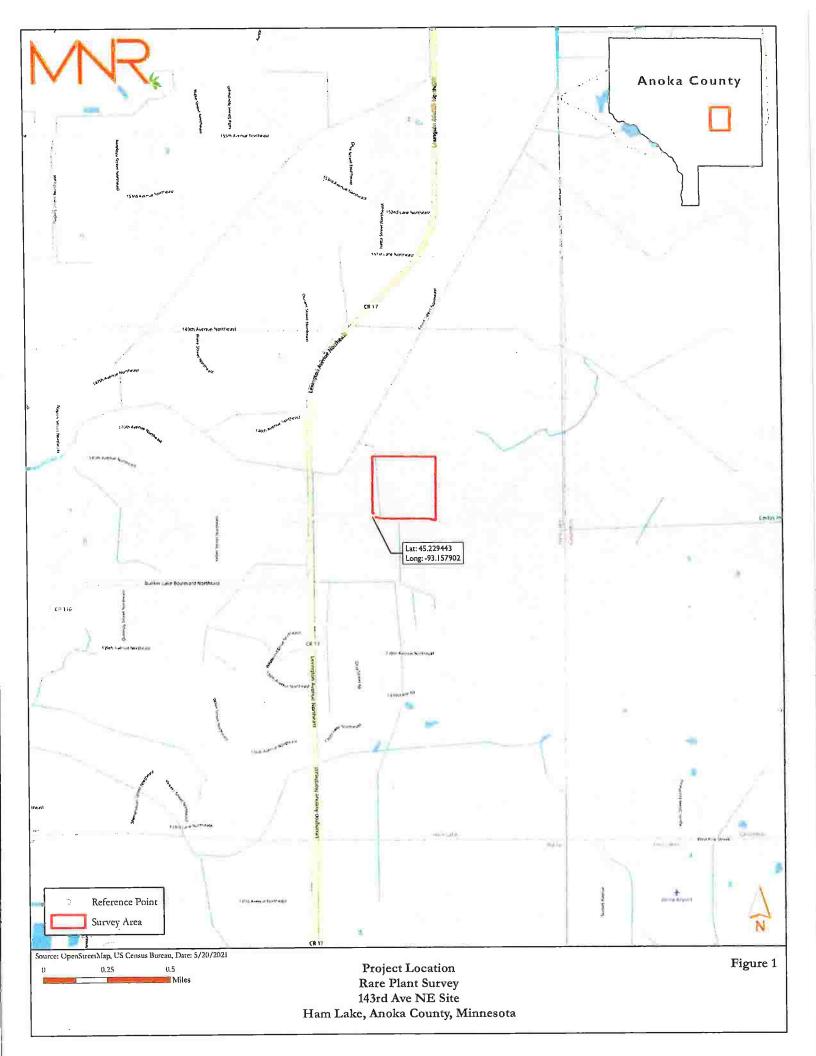
Nearby projects have resulted in the detection of the state-threatened black huckleberry (*Gaylussacia baccata*). However, this species was not observed within the project area nor were any other state-listed plant species. Furthermore, based on the conditions observed onsite, we are not recommending follow-up surveys later this year.

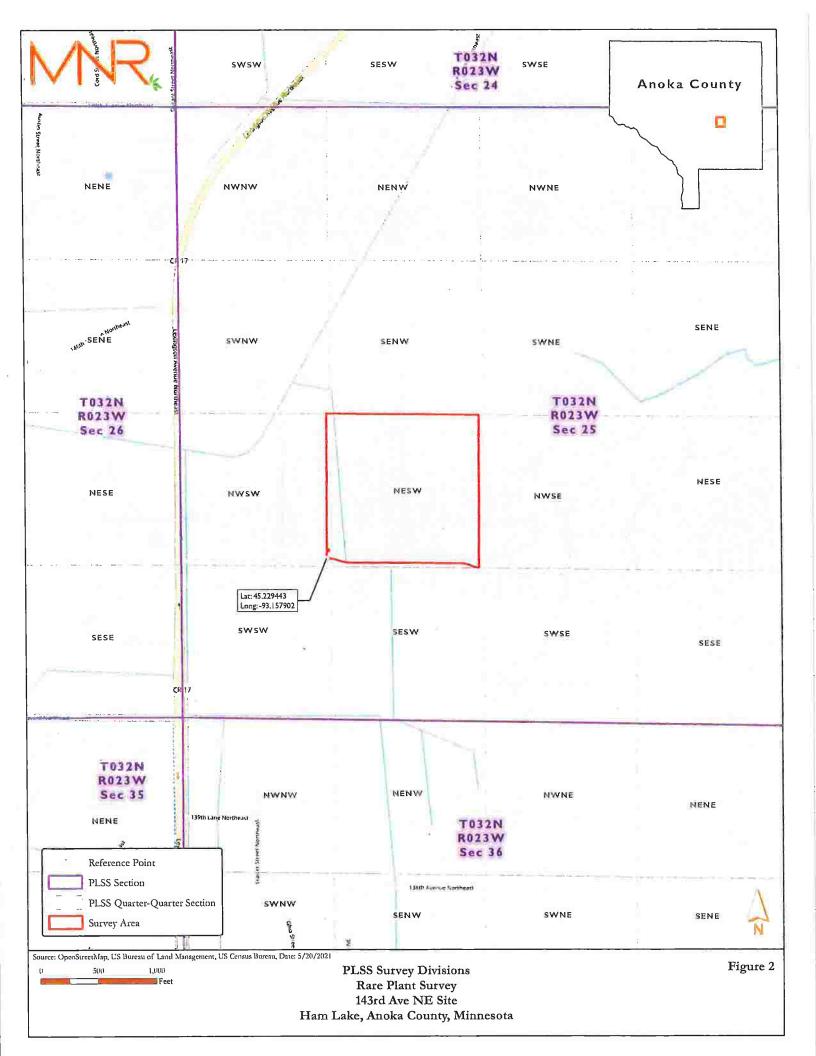
For recordkeeping purposes, we will provide this report to the DNR with your approval. We can also directly send this report to the Coon Creek Watershed District upon request.

Please feel free to contact us with any questions.

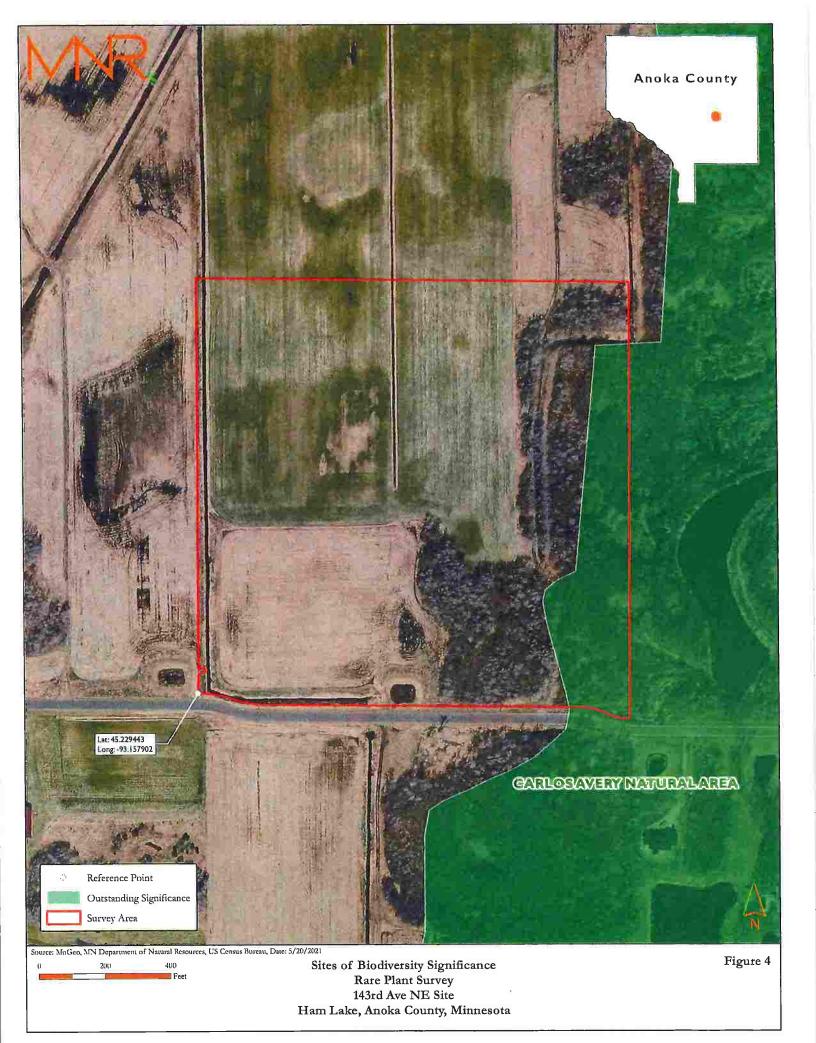
Respectfully submitted,

Scott A. Milburn, MS Principal Botanist/President Midwest Natural Resources, Inc.











143rd Ave NE Site Ham Lake, Anoka County, Minnesota

Appendix A – Survey Protocol





Ms. Lisa Joyal Endangered Species Review Coordinator Minnesota Department of Natural Resources Ecological & Water Resources 500 Lafayette Road St. Paul, MN 55155

April 2, 2021

Ms. Joyal,

Midwest Natural Resources, Inc. (MNR) is proposing to conduct an early season rare plant survey within the 38-acre Ham Lake property located north of 143rd Ave NE, east of Lexington Ave, Anoka County, Minnesota (**Figure 1**).

We are unaware if a formal request of the Natural Heritage Information System (NHIS) has been made. Regardless, we are intending to conduct an early season rare plant survey in mid- to late-May.

Survey efforts will involve documenting all vascular plant species observed during this visit. Rare plant species, if encountered, will be documented spatially using sub-meter GPS units (Trimble GeoXT 6000). Rare plant species documentation will include notes on habitat, associate species, number of individuals observed within each population documented, and representative photos. Voucher collections will be made following the DNR's collection guidance procedure should the population allow for collecting. We will also evaluate the site at this time to determine the potential need for additional surveys later in the growing season. Species on the attached list will be considered as we determine the need for follow-up surveys.

A summary report will be produced at the conclusion of field efforts. This document will include information pertaining to survey methods, survey results, report figures/graphics, and appendices (species lists and representative photos). The report along with the GIS shapefile, associated spreadsheet, and an email from Welby Smith verifying specimen identification will be submitted to the designated NHIS email address should we have positive results.

Please let us know if you have any questions.

Scott A. Milburn, MS Principal Botanist/President Midwest Natural Resources, Inc.



143rd Ave NE Site Ham Lake, Anoka County, Minnesota

	Target Species List	and the second
Common name	Scientific name	State status
limspike Three-awn	Aristida longespica var. geniculata	endangered
easide Three-awn	Aristida tuberculosa	threatened
Vhite Wild Indigo	Baptisia lactea var. lactea	special concern
ellow Bartonia	Bartonia virginica	endangered
Blunt-lobed Grapefern	Botrychium oneidense	threatened
t. Lawrence Grapefern	Botrychium rugulosum	special concern
east Moonwort	Botrychium simplex	special concern
Gray's Sedge	Carex grayi	special concern
am's Head Orchid	Cypripedium arietinum	threatened
Vater-willow	Decodon verticillatus var. laevigatus	special concern
Autumn Fimbry	Fimbristylis autumnalis	special concern
Black Huckleberry	Gaylussacia baccata	threatened
Beach Heather	Hudsonia tomentosa	threatened
Butternut	Juglans cinerea	endangered
Marginated Rush	Juncus marginatus	endangered
Rock Sandwort	Minuartia dawsonensis	threatened
ilender Naiad	Najas gracillima	special concern
Dlive-colored Southern Naiad	Najas guadalupensis ssp. olivacea	special concern
Dld Field Toadflax	Nuttallanthus canadensis	special concern
Rhombic Evening Primrose	Oenothera rhombipetala	special concern
One-flowered Broomrape	Orobanche uniflora	threatened
American Ginseng	Panax quinquefolius	special concern
Small Green Wood Orchid	Platanthera clavellata	special concern
Fubercled Rein Orchid	Platanthera flava var. herbiola	threatened
Cross-leaved Milkwort	Polygala cruciata	endangered
Snailseed Pondweed	Potamogeton bicupulatus	endangered
Diverse-leaved Pondweed	Potamogeton diversifolius	endangered
Foothcup	Rotala ramosior	threatened
a bristle-berry	Rubus fulleri	threatened
Missouri Bristle-berry	Rubus missouricus	endangered
Kinnickinnick Dewberry	Rubus multifer	special concern
Swamp Blackberry	Rubus semisetosus	threatened
A Bristle-berry	Rubus stipulatus	endangered
/ermont Bristle-berry	Rubus vermontanus	special concern
Tall Nutrush	Scleria triglomerata	endangered
Clinton's Bulrush	Trichophorum clintonii	threatened
Purple Sandgrass	Triplasis purpurea var. purpurea	special concern
Lance-leaf Violet	Viola lanceolata var. lanceolata	threatened
Twisted Yellow-eyed Grass	Xyris torta	endangered

Appendix B – Species Lists



	Species List	
Acer negundo	Lathyrus sp.	Urtica dioica subsp. gracilis
Acer rubrum	Lemna sp.	Uvularia sessilifolia
Ageratina altissima var. altissima	Lilium philadelphicum	Vaccinium angustifolium
Alliaria petiolata	Lonicera dioica	Verbascum thapsus
Amelanchier sp.	Lycopus americanus	Veronicastrum virginicum
Amphicarpaea bracteata	Maianthemum canadense	Viburnum opulus
Anemone quinquefolia	Maianthemum racemosum	Viola pubescens
Arctium minus	Matteuccia struthiopteris	Viola sororia
Arisaema triphyllum	Monarda fistulosa	Vitis riparia
Athyrium filix-femina var. angustum	Myosoton aquaticum	
Betula papyrifera	Onoclea sensibilis	
Calamagrostis canadensis	Oryzopsis asperifolia	
Capsella bursa-pastoris	Osmorhiza sp.	
Carex blanda	Osmunda claytoniana	
Carex deweyana var. deweyana	Ostrya virginiana	
Carex gracillima	Parthenocissus vitacea	
Carex lacustris	Phalaris arundinacea	
Carex pensylvanica	Plantago rugelii	
Celtis occidentalis	Poa cf. compressa	
Circaea lutetiana var. canadensis	Poa pratensis	
Cirsium arvense	Populus tremuloides	
Comandra umbellata	Potentilla simplex	
Cornus racemosa	Prunus serotina	
Corylus americana	Prunus virginiana	
Cryptotaenia canadensis	Pteridium aquilinum	
Diervilla Ionicera	Quercus alba	
Doellingeria umbellata	Quercus ellipsoidalis	
Dryopteris carthusiana	Quercus rubra	
Echinocystis lobata	Ranunculus sceleratus	
Eleocharis cf. erythropoda	Rhamnus cathartica	
Equisetum hyemale subsp. affine	Rubus cf. allegheniensis	
Erigeron annuus	Rubus idaeus var. strigosus	
Eurybia macrophylla	Rubus sp. 1	
Fallopia sp.	Salix interior	
Fragaria virginiana	Sambucus sp.	
Fraxinus pennsylvanica	Schoenoplectus tabernaemontani	
Galium aparine	Scirpus cyperinus	
Galium boreale	Solanum dulcamara	
Galium triflorum var. triflorum	Solidago gigantea	
Geranium maculatum	Symphyotrichum sp.	
Geum canadense	Taraxacum officinale	
Glechoma hederacea	Thlaspi arvense	
Hackelia virginiana	Toxicodendron rydbergii	
Helianthus sp.	Trientalis borealis	
llex verticillata var. verticillata	Typha sp.	
Impatiens capensis	Ulmus americana	

Appendix C – Representative Photos





Photo pt 0003: Wetland basin dominated by reed canary grass (facing east)



Photo pt 0004: Oak forest with interrupted canopy (facing northwest)



Photo pt 0005: Wetland basin dominated by reed canary grass (facing northwest)



Photo pt 0006: Oak forest (facing west)



Photo pt 0007: North-south ditch near edge of oak forest community (facing north)



Photo pt 0009: Sod field (facing north)



Photo pt 0010: North-south ditch within sod field (facing north)



Photo pt 0012: North-south ditch on west end of survey area (facing north)



Photo pt 0013: Sod field (facing east)



Photo pt 0014: East-west lateral ditch along 143rd St. NE (facing east)



Photo pt 0015: Excavated basin adjacent to 143rd St. NE (facing west)

Allow	
15	
	Service and the service of the servi

CITY OF HAM LAKE

PLANNING	15544 Central Avenue NE
REQUEST	Ham Lake, MN 55304
/ / Phone (763)	434-9555 Fax (763) 235-1697
Date of Application 3/3/2021	_ Date of Receipt Receipt #
Meeting Appearance Dates:	A
Planning Commission 6-28-202	City Council
Please check request(s):	
	Commercial Building Permit
Sketch Plan	Certificate of Occupancy
	Home Occupation Permit
	Conditional Use Permit (New)*
Rezoning*	Conditional Use Permit (Renewal)
Multiple Dog License*	Other
*NOTE: Advisory Signage is required for land use alte application also requires a Public Hearing. S	
Development/Business Name: 14FN Propu	ties LLC
Address/Location of property: XXX - Pack	Ard St. NE
Legal Description of property: Phase TTT Hida	ken Forest East
as-3a-a3-12-0001 PIN # as-3a-a3-11-0001 Current Z	coning $R-A$ Proposed Zoning $R-I$
Notes: Parts of 25-32-23-13-0002 = 14	
Applicant's Name: JEFF STAlbuger	
Business Name: HFN Ropertics, LLC	~
Address 17404 - WAND LK. Z. City Andorn,	N-NW
City Andom,	State M~_ Zip Code 55304
Phone 212 - 799-1471 Cell Phone	Fax
Email address 5 TALLY 68 @ MSN.	com
You are advised that the 60-day review period require	ed by Minnesota Statutes Chapter 15.99 does
not begin to run funtil all of the required items have be	
SIGNATURE John Mally	DATE 3/3/2021
***************************************	*****
- FOR STAFF US	
ACTION BY: Planning Commission City Council	PROPERTY TAXES CURRENT YES NO
City Council	PROPERTY TAXES CURKEN TES NO



CITY OF HAM LAKE 15544 Central Avenue NE Ham Lake, Minnesota 55304

(763) 434-9555 Fax: (763) 434-9599

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 28, 2021 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, HFN Properties, LLC, requesting preliminary plat approval and rezoning to R-1 (single family residential) the development of Hidden Forest East 3rd Addition (38 residential single family lots) located in Section 25, a parcel of certain land situated in the City of Ham Lake, Anoka County, Minnesota and which is described as follows to wit:

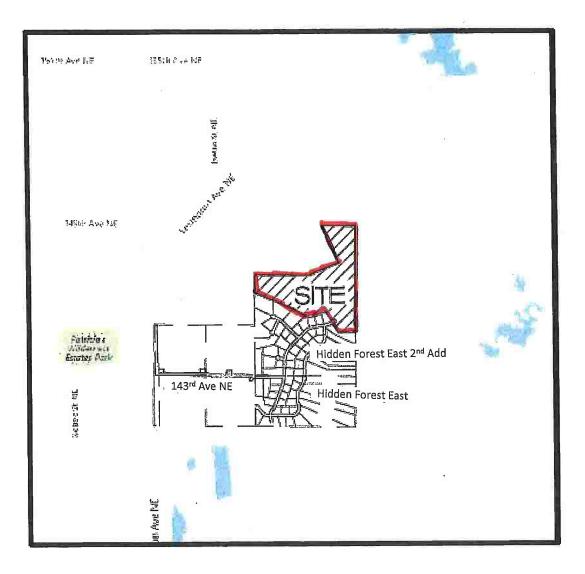
Parcel ID#'s 25-32-23-12-0001 25-32-23-11-0001 Parts of 25-32-23-13-0002 25-32-23-14-0002

Tract B and Tract C, Registered Land Survey 281, Anoka County, Minnesota and Part of the Northeast Quarter of the Northeast Quarter of Section 25, Township 32, Range 23, Anoka County, Minnesota.

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

DATED: June 18, 2021

Jennifer Bohr Zoning & Building Clerk City of Ham Lake .



Hidden Forest East 3rd Addition



Engin	eering, Inc

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

Memorandum

Date:	June 23, 2021
To:	Planning Commissioners
From:	Tom Collins, City Engineer TPC
Subject:	Hidden Forest East 3 rd Addition

Introduction:

The Title Sheet, Preliminary Plat, Grading, Erosion Control and Tree Protection Plan, Livability Plan, Livability Chart were received June 17th, the Utility Plan – Storm Sewer, Details and Stormwater Pollution Prevention Plan were received May 13th and the Stormwater Drainage Report was received May 13th for the proposed 38 lot residential development located on the 80.91 combined acres of parcels 25-32-23-13-0002 (Tract B of RLS 281) and 25-32-23-14-0002 (Tract C of RLS 281) and a portion of parcel 25-32-23-11-0001. The parcels are currently zoned Rural Single Family Residential (R-A) and will be zoned R-1. A 600-scale zoning map is attached. The project conforms to the Sketch Plan that was approved at the September 21, 2020 City Council meeting. All of the prior review comments have been addressed.

Discussion:

In addition to the standard preliminary plat, this development requires a Registered Land Survey (RLS) in order to split off the parcel from the parent parcels, due to the overall property being registered with Anoka County as Torrens property. Since this land is registered (versus abstract), it cannot be conveyed utilizing a simple "metes and bounds" description. Tracts A and B of the RLS will remain under the current ownership, and Tract C is being incorporated into the Plat.

Parkland dedication is being proposed within the Hidden Forest East Park Addition, which is located on the 143rd Avenue access to the proposed 3rd Addition. The City Council concurred with the Park and Tree Commission recommendation that the next phase after Hidden Forest East 2nd Addition include parkland dedication. The September 19, 2018 Park and Tree meeting minutes are attached.

Minnesota Rule 4410.4300 (https://www.revisor.mn.gov/rules/4410.4300) specifies mandatory Environmental Assessment Worksheet (EAW) categories. Per this Rule, if the proposed project is an expansion or additional stage of an existing project, the cumulative total of the proposed project and any existing stages or components of the existing project must be included when determining if a threshold is met or exceeded if construction began within three years before the date of application for a permit or approval from a governmental unit for the expansion or additional stage. The cumulative total includes Hidden Forest 2nd Addition, since construction commencement was within the last three years. The project was reviewed for whether it triggered an EAW for subpart 19 (Residential Development) or subpart 36 (Land use conversion, including golf courses). The threshold for the preparation of an EAW per subpart 19 is 250 unattached units, per Part D. The combined units for the 2nd Addition (43 lots) and the 3rd Addition (38 lots) is well under the 250-unit threshold. The subpart 36 threshold is land use conversion where the lot size is less than five acres, and other projects resulting in the permanent conversion of 80 or more acres of agricultural, native prairie, forest, or naturally vegetated land. The combined land use conversion, which excludes the ponding areas and the proposed borrow pit, is 64.2 acres (33.9 acres for the 2nd Addition and 30.3 acres for the 3rd Addition) so the acreage requirement is also under the threshold for the preparation of an EAW.

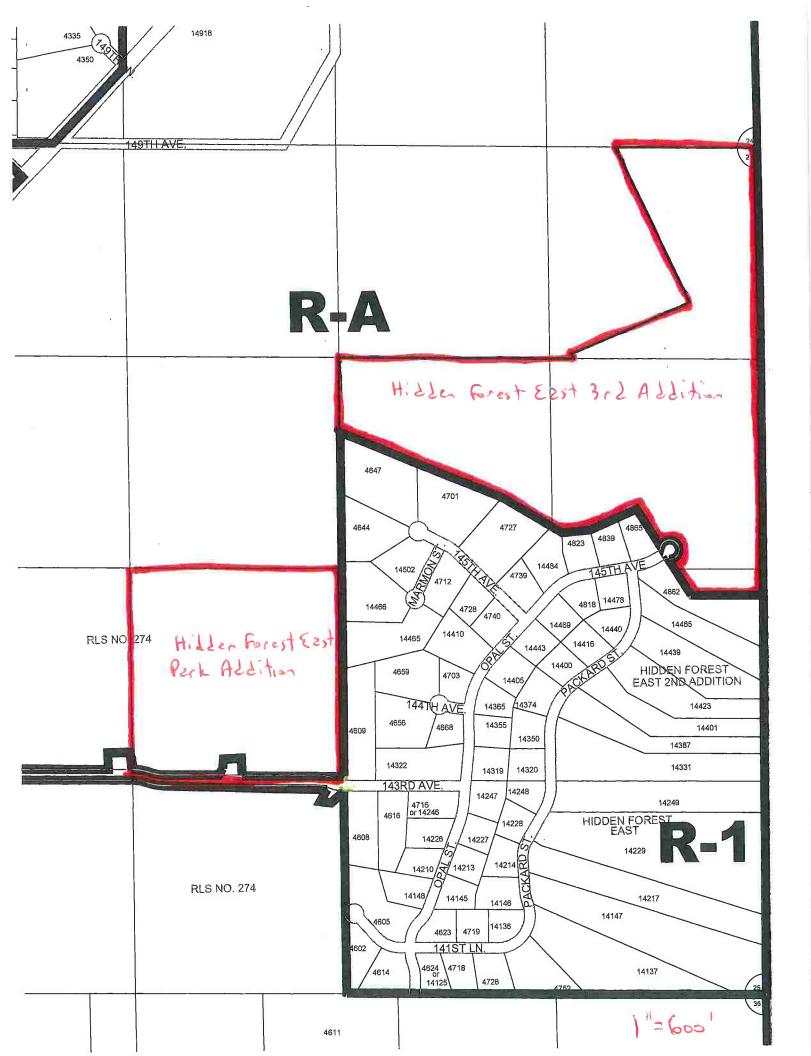
A proposed Hidden Forest East monument is proposed in the northeast corner of Lexington Avenue and 143rd Avenue. The monument is proposed within a drainage and utility easement, that was dedicated in conjunction with the 143rd Avenue upgrade associated with the Hidden Forest East plat. Per the attached Monument Exhibit, Public Works access for access and maintenance of the stormwater treatment outlet within the easement will not be compromised by the monument. A License Agreement will be required, which will be covered in the Development Agreement.

FEMA Letter of Map Amendments will be needed for Lots 3 thru 5 and Lots 8 thru 11 of Block 1 and Lots 1 and 2 of Block 2. The preliminary plat was granted contingent approval at the April 26th Coon Creek Watershed District (CCWD) Board of Managers meeting, per the attached. The April 5th Tradewell Soil Testing septic certification certifies that the lots will support two standard septic systems in accordance with Minnesota Rules 7080.

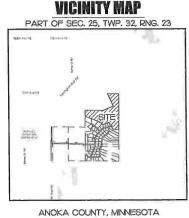
The September 11, 2020 Rare Plant Survey Report documented the presence of black huckleberry within the properties, which the DNR has classified as threatened. Per the attached Rare Species Avoidance Plan, no black huckleberry plants are to be disturbed. Blanding's turtles have been reported in the vicinity of the proposed project and may be encountered on site. If during construction Blanding's turtles are encountered they are to be moved by hand out of harm's way, otherwise they are to be left undisturbed.

Recommendations:

It is recommended that the Preliminary Plat of Hidden Forest East 3rd Addition, and the accompanying Registered Land Survey, be recommended for approval to the City Council.



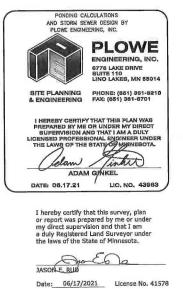
Cof~ HIDDEN FOREST EAST 3RD ADDITION ~for~ HFN PROPERTIES, LLC. 17404 WARD LAKE DRIVE NW ANDOVER, MN 55304 (612) 799-1471



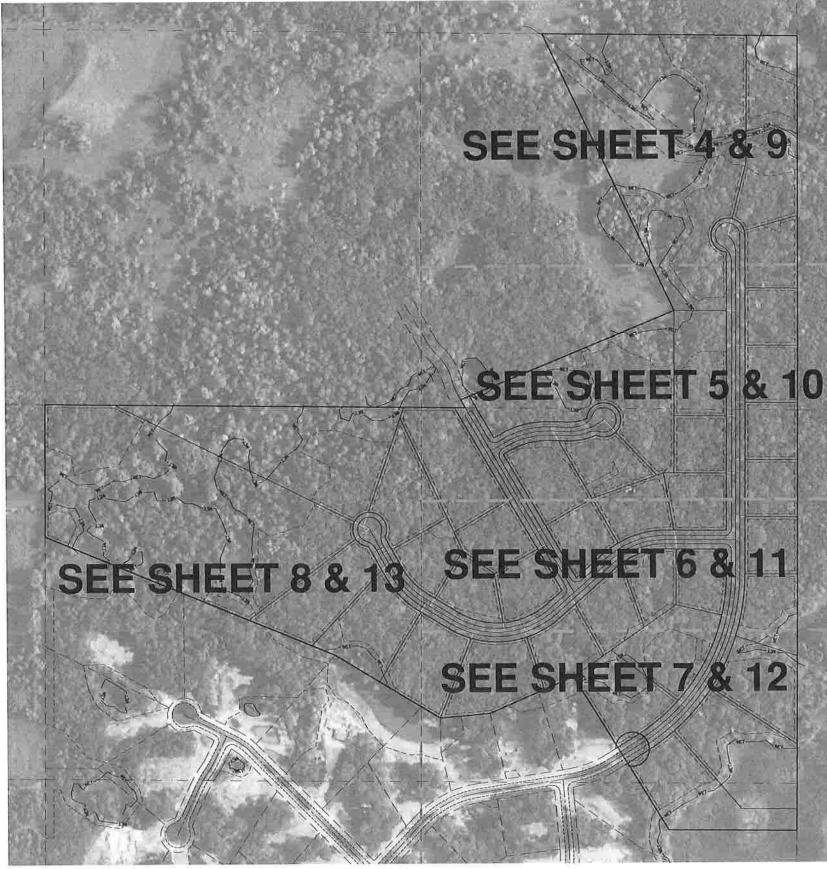
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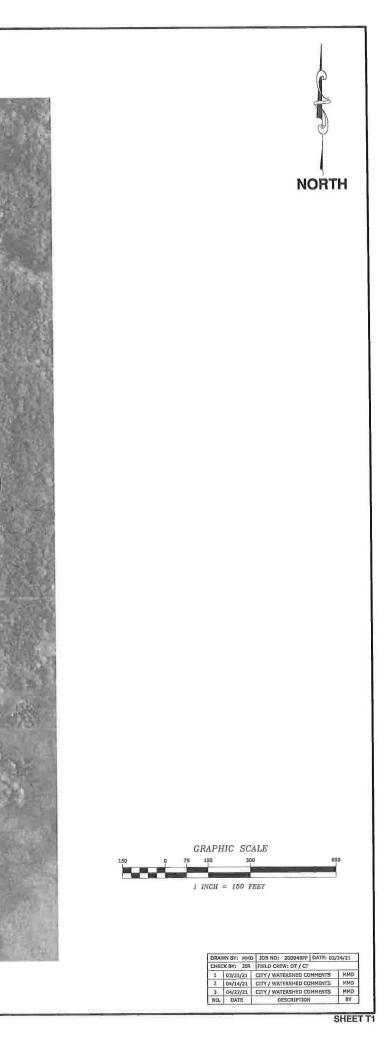
SHEET INDEX

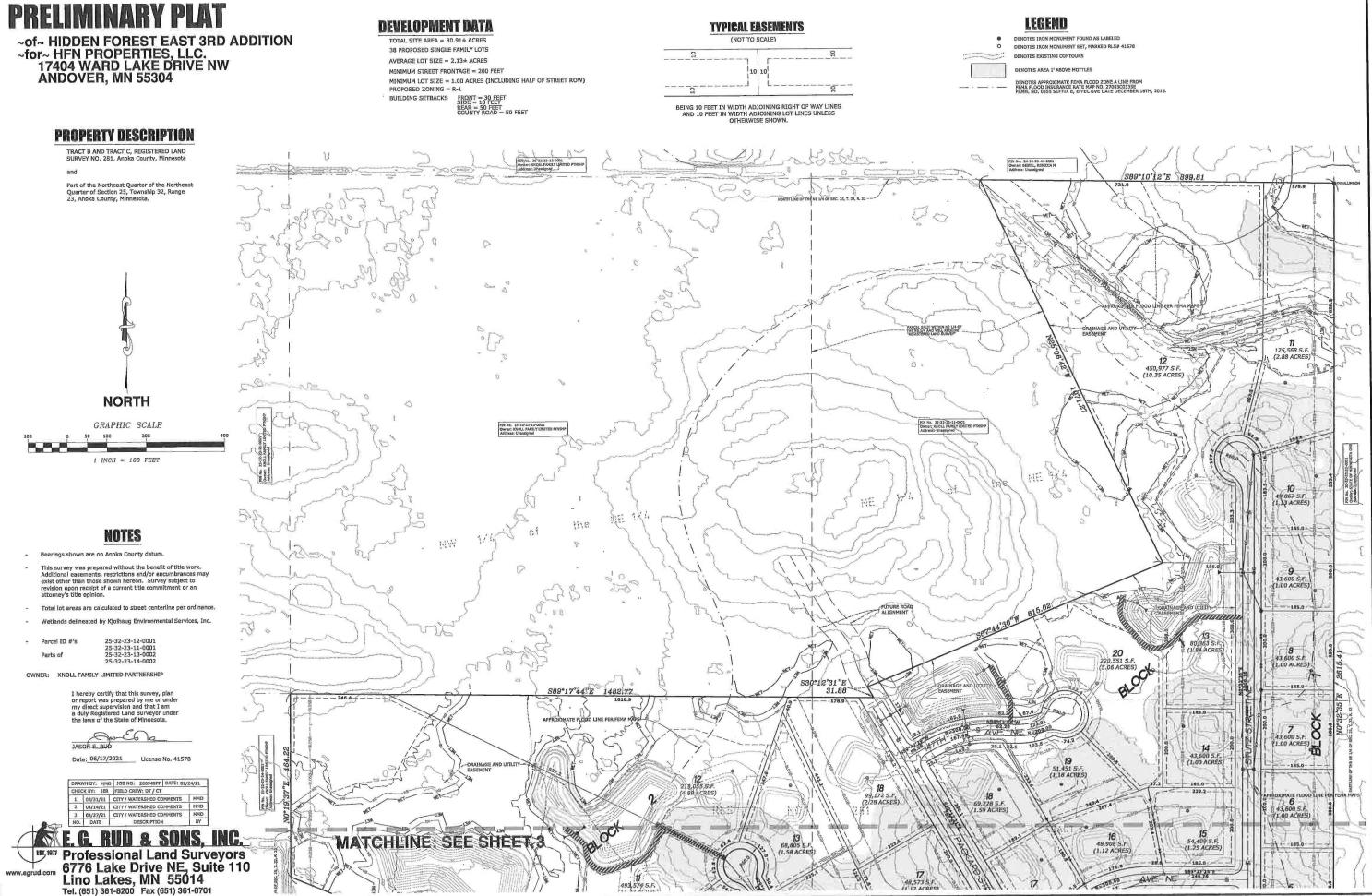
TITLE SHEET
PRELIMINARY PLAT
GRADING PLAN
LIVABILITY PLAN
LIVABILITY CHART
UTILITY PLAN
DETAILS
STORMWATER POLLUTION
PREVENTION PLAN

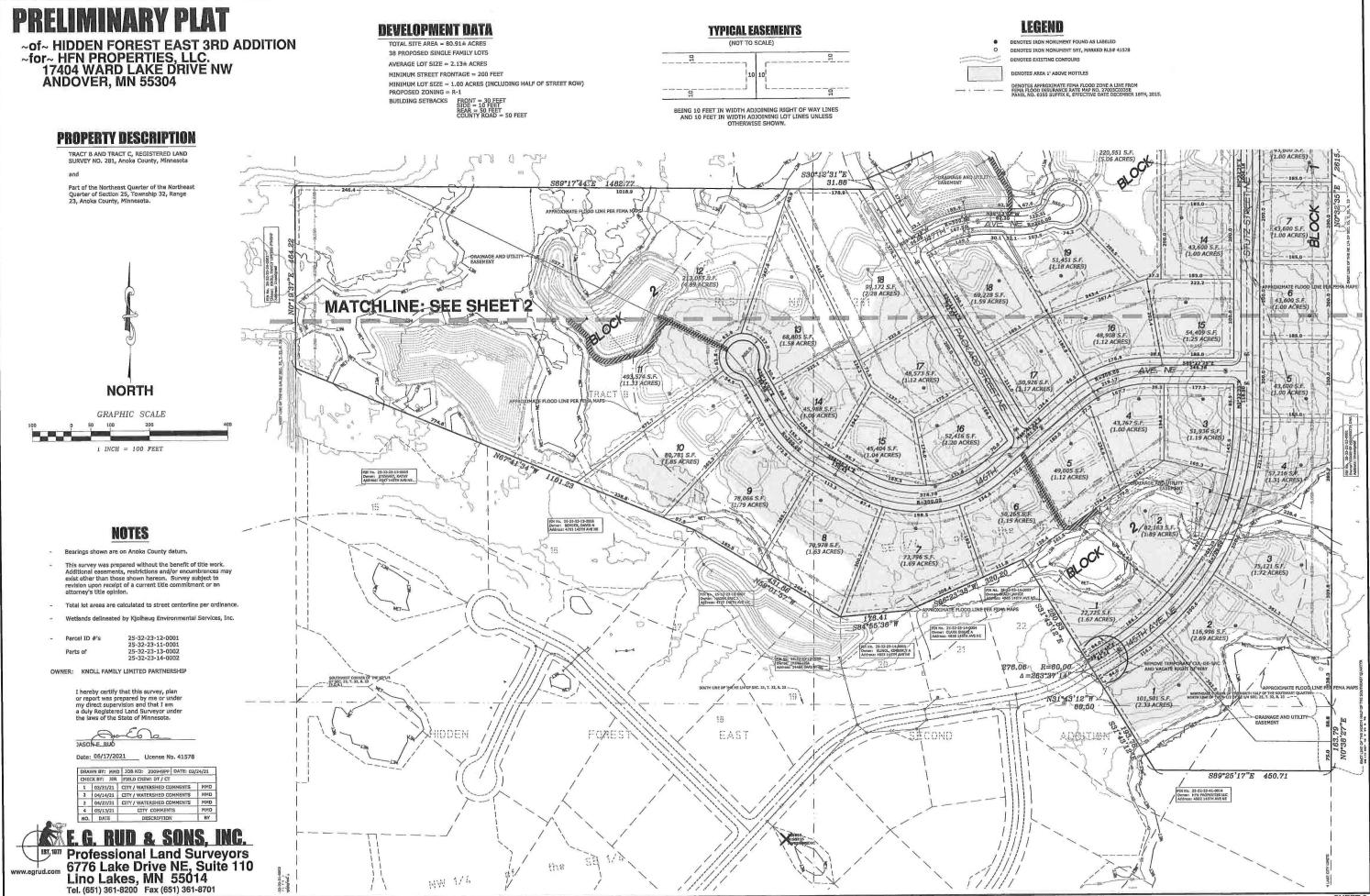






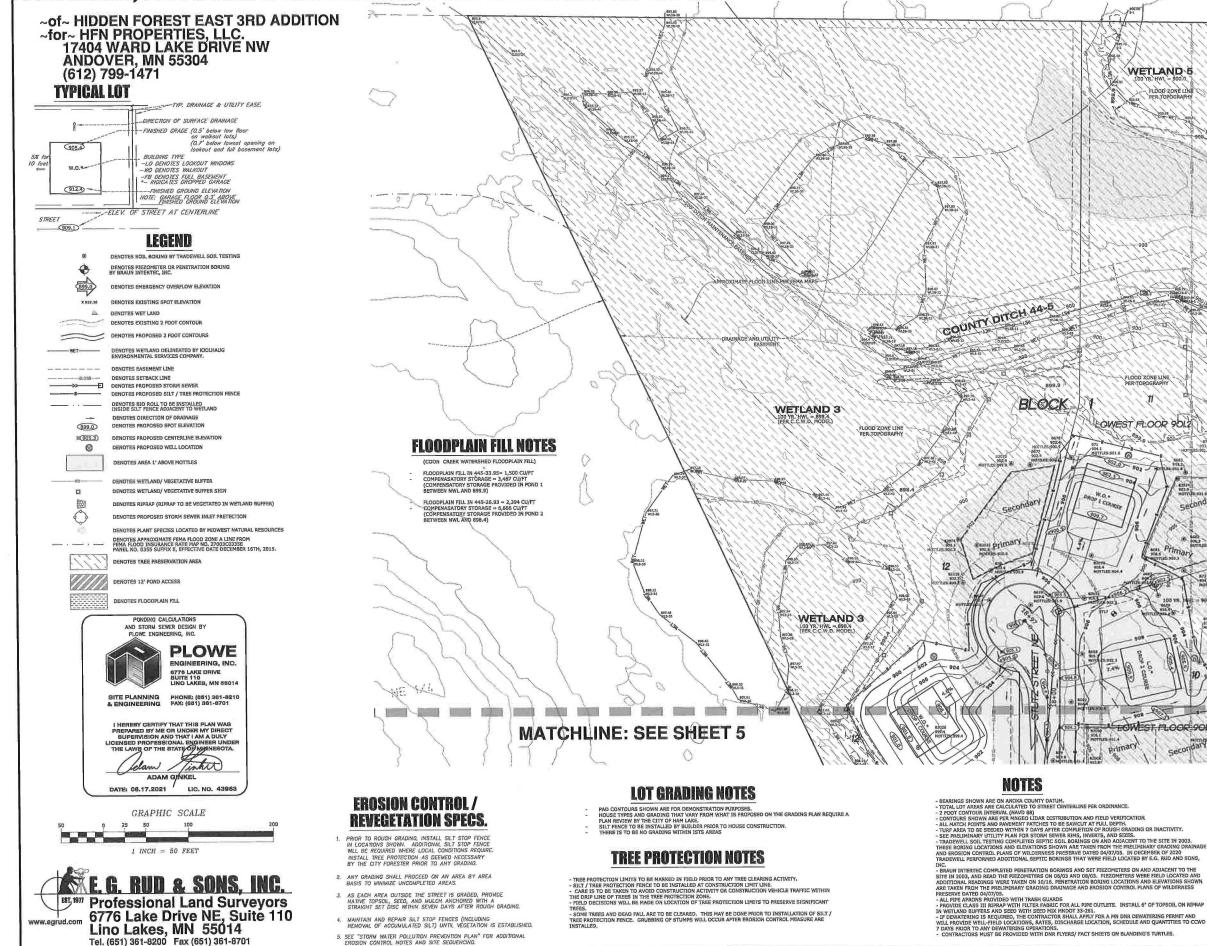


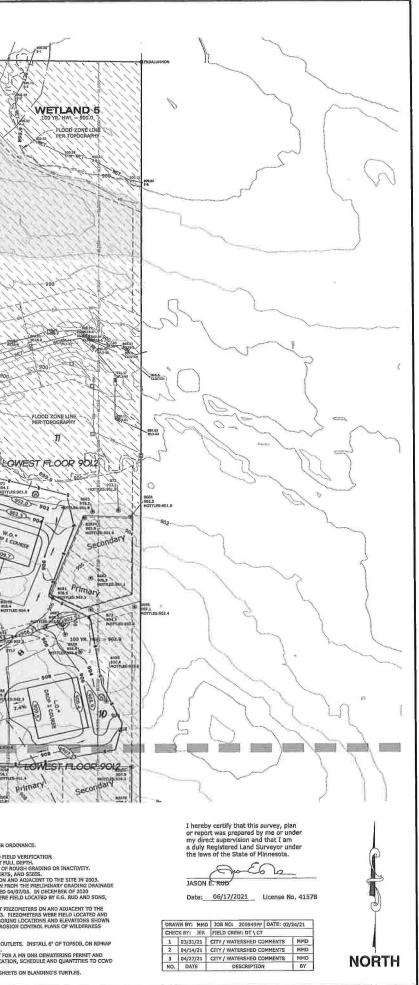


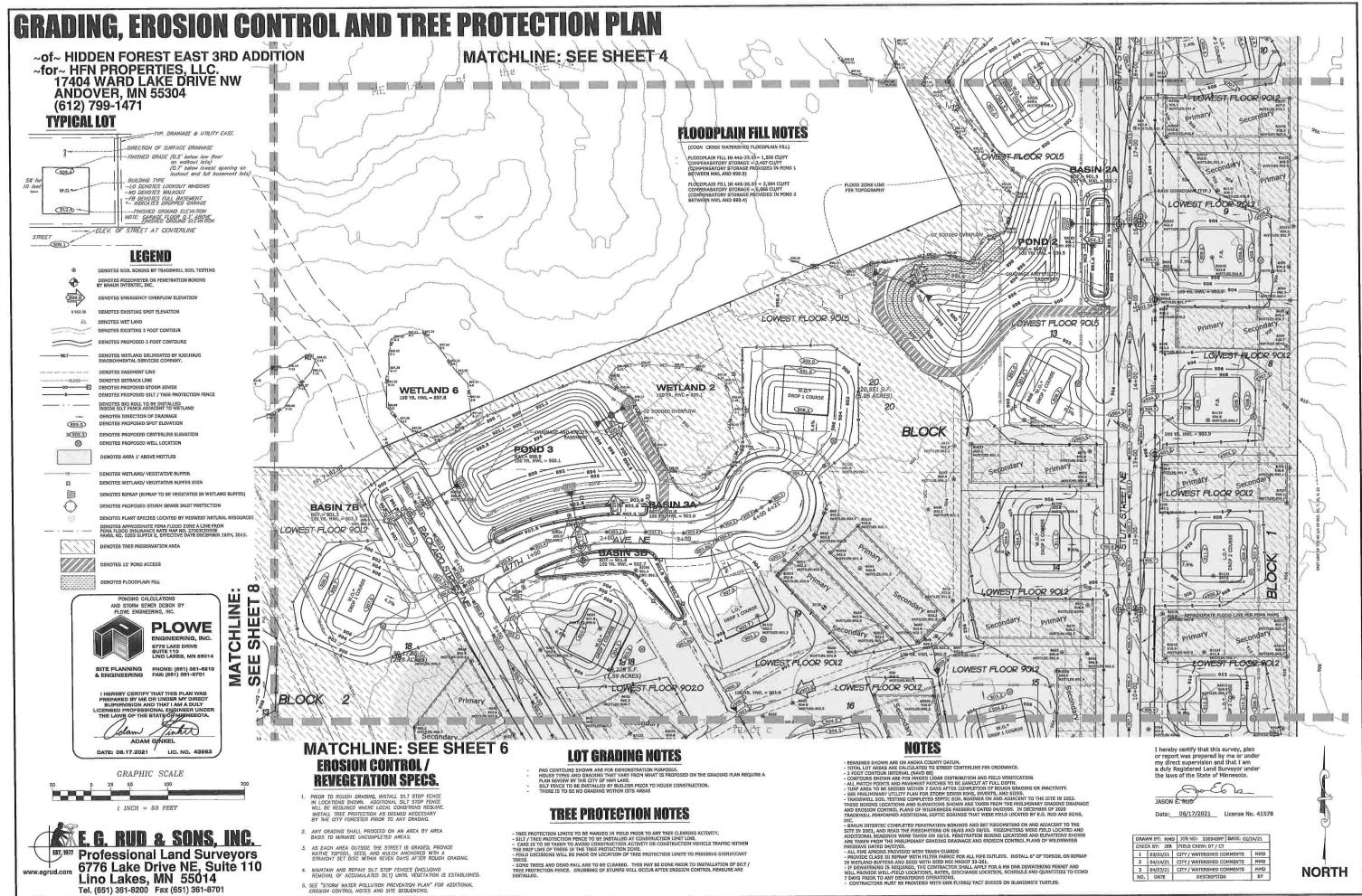


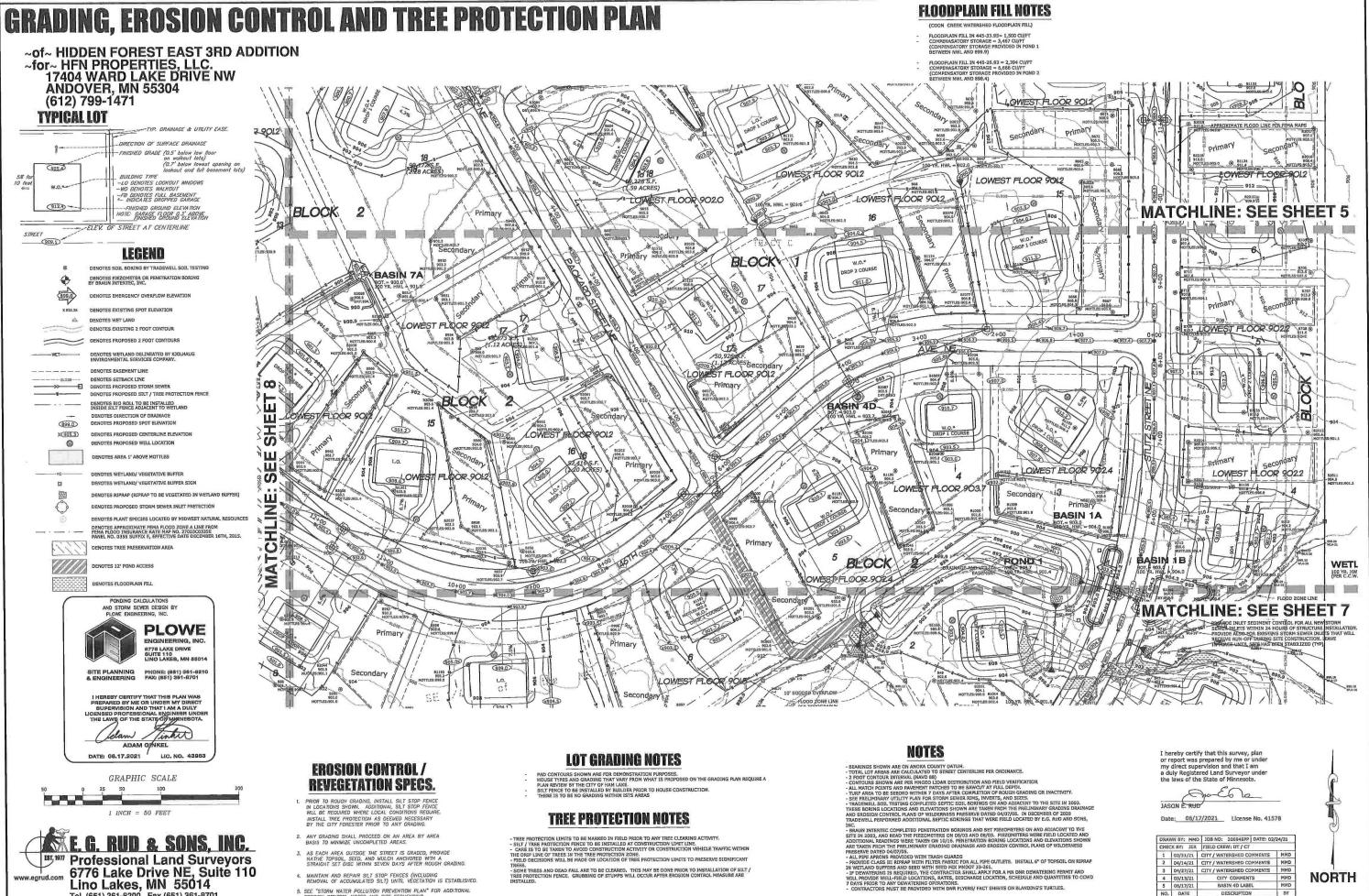
GRADING, EROSION CONTROL AND TREE PROTECTION PLAN

Tel. (651) 361-8200 Fax (651) 361-8701









Lino Lakes, MN 55014 Tel. (651) 361-8200 Fax (651) 361-8701

5. SEE "STORM WATER POLLUTION PREVENTION PLAN" FOR ADDITIONAL EROSION CONTROL NOTES AND SITE SEQUENCING.

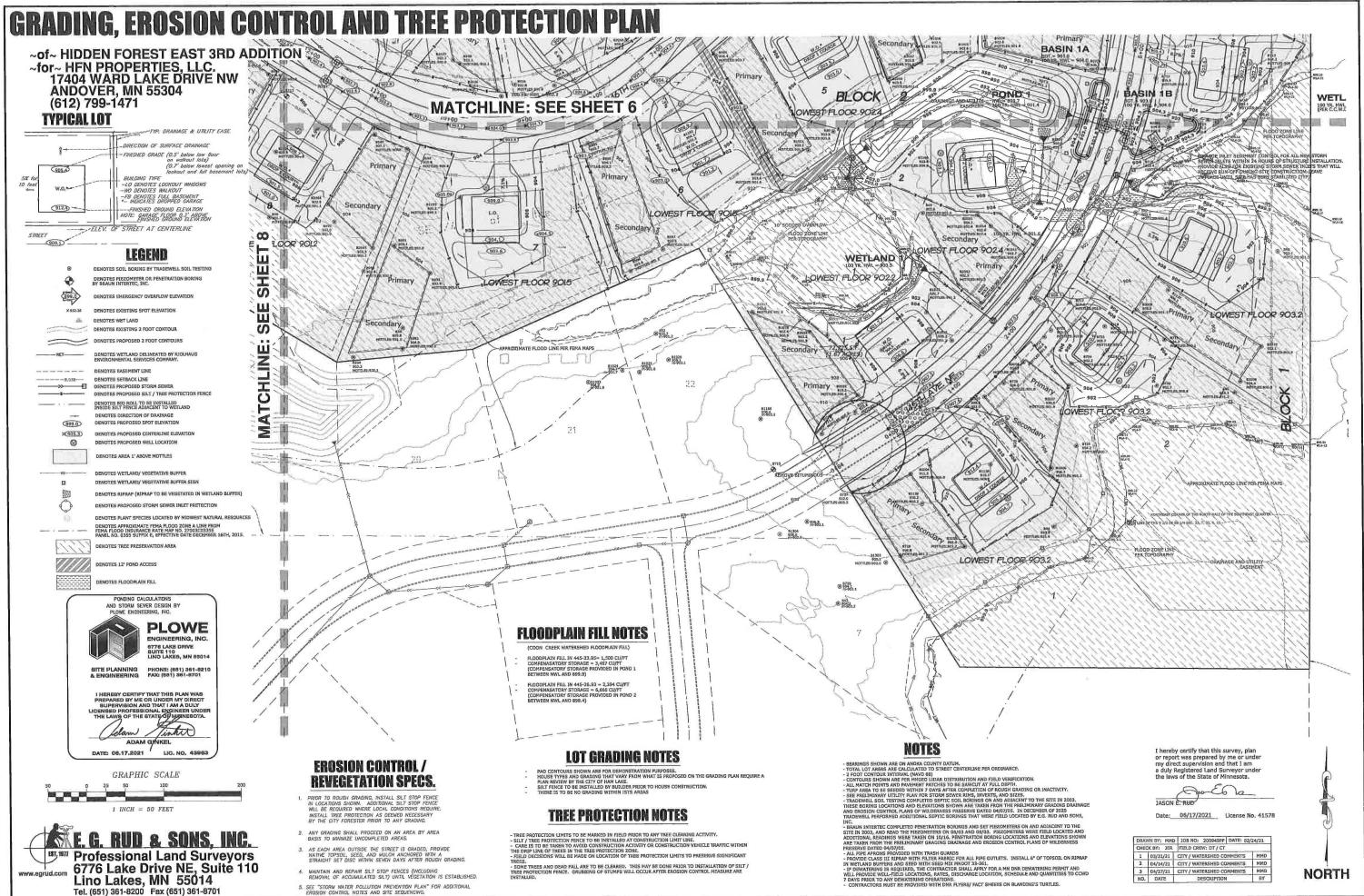


SHEET

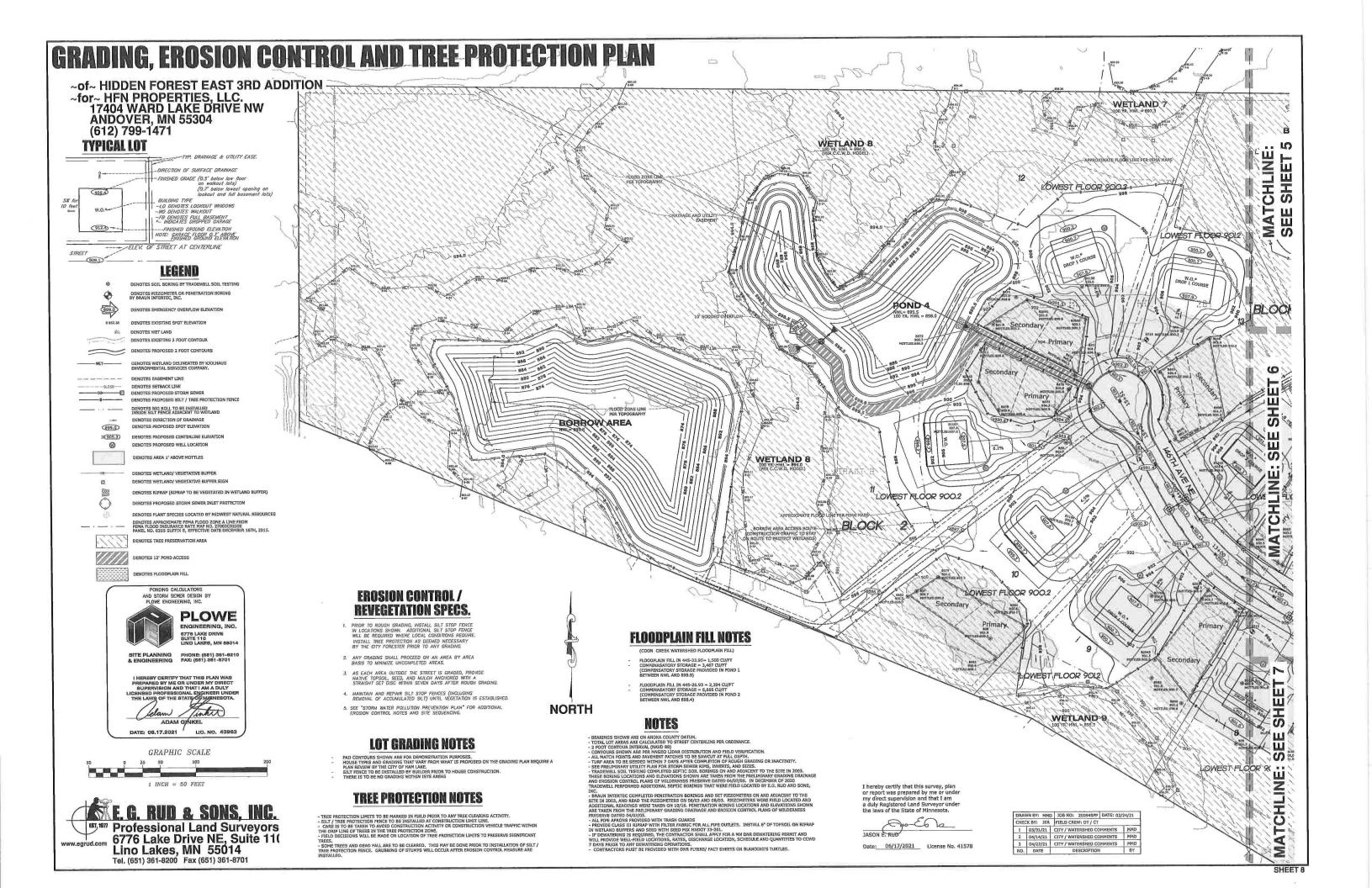
BY

DESCRIPTION

NO. DATE



SHEET 7



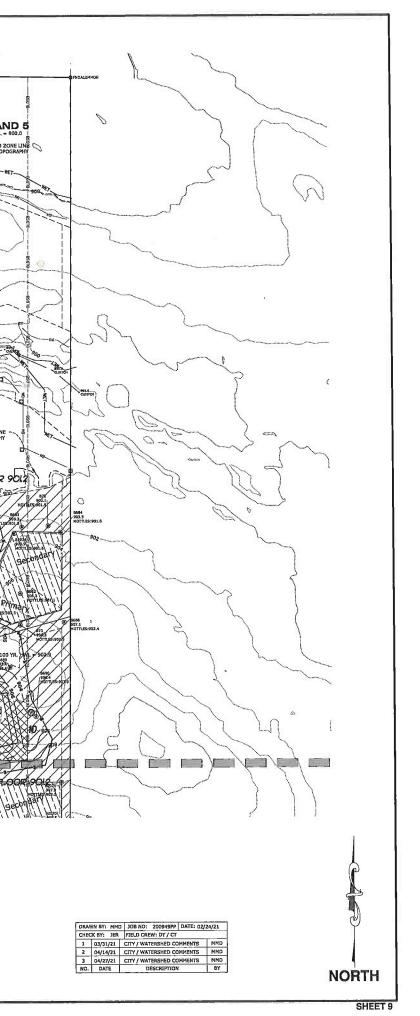
LIVABILITY PLAN ~of~ HIDDEN FOREST EAST 3RD ADDITION ~for~ HFN PROPERTIES, LLC. 17404 WARD LAKE DRIVE NW ANDOVER, MN 55304 WETLAND 5 (612) 799-1471 FLOOD ZONE LINE LEGEND \sim DENOTES SOIL BORING BY TRADEWELL SOIL TESTIN $\langle \cdot \rangle$ DENOTES PIEZOMETER OR PENETRATION BORING BY BRAUN INTERTEC, INC. 0 COUNTY DITCH 44-5 2 DENOTES EXISTING SPOT ELEVATION elle. DENOTES WET LAND NB.TO DENOTES EXISTING 2 FOOT CONTOUR DENOTES PROPOSED 2 FOOT CONTOURS ~ - CONTON DENOTES WETLAND DELINEATED BY KIOLHAUG (FLOOD ZONE LINE PER TOPOGRAPHY DENOTES EASEMENT LINE $\langle \rangle$ 899.9 DENOTES SETBACK LINE DENOTES PROPOSED STORM SEWER ----BLOCK 11 DENOTES PROPOSED SILT / TREE PROTECTION FENCE WETLAND 3 DENOTES DIRECTION OF DRAINAGE 100 YR. HWL = 898.4 (PER C.C.W.D. MODEL) HOWEST FLOOR 9012 DENOTES PROPOSED WELL LOCATION FLOOD ZONE LINE All and a second 0 900 DENOTES WETLAND/ VEGETATIVE BUFFER DENOTES WETLAND/ VEGETATIVE BUFFER SIGN D. Proposed Building Area DENOTES PLANT SPECIES LOCATED BY MIDWEST NATURAL RESOURCES $\langle \rangle$ DENOTES PROPOSED BUILDING PAD AREA 898.4 DENOTES PROPOSED YARD AREA N DENOTES PROPOSED SEPTIC AREA 111 DENOTES 12' POND ACCESS WETLAND 3 PONDING CALCULATIONS AND STORM SEWER DESIGN BY 100 YR. HWL = 898.4 (PER C.C.W.D. MODEL) PLOWE Proposed Building 8776 LAKE DRIVE SUITE 110 LINO LAKES, MN 5501-Area 0 4/4 SITE PLANNING PHONE: (851) 361-8210 & ENGINEERING FAX: (851) 361-8701 MATCHLINE: SEE SHEET 10 HEREBY CERTIFY THAT THIS PLAN WAS REPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY ENGED PROFESSIONAL ENGINEER UNDI HE LAWS OF THE STATE OF MYSNESOTA. \cap Tinter ADAM GJ NOTES DATE: 06.17.2021 / LIC. NO. 43963 BEARINGS SHOWN ARE ON ANON COUNTY DATUM. TOTAL LOT AREAS ARE CALCULATED TO STREET CENTERLINE PER ORDINANCE. TOTAL LOT AREAS ARE CALCULATED TO STREET CENTERLINE PER ORDINANCE. 2 POOT CONTOUR STREAM, LAWO B8) CONTOURS SHOWN ARE PER MNCEO LDAR DISTRIBUTION AND FIELD VERIFICATION, LAL MATCH POURS INTERVAL AND AND SALE TO BE SANCULATE TAULI DEFTI. TURF AREA TO BE SEEDED WITHIN 7 DAYS AFTER COMPLETION OF ROUGH GRADING OR INACTIVITY. SEF PRELINING CONFIDENCE AND SEFTIC SOIL DORININGS ON AND ADJACENT ON THE STRE IN 2003. TRADEWELL SOIL CONTING COMPLETED SEFTIC SOIL DORININGS ON AND ADJACENT ON THE STRE IN 2003. TRADEWELL SOIL CONTING COMPLETED SEFTIC SOIL DORININGS ON AND ADJACENT THINNY GRADING DRAINAGE TRADEWELL SOIL CONTING COMPLETED SEFTIC SOIL DORININGS ON AND ADJACENT THINNY GRADING DRAINAGE TRADEWELL SOIL CONTING COMPLETED SEFTIC SOIL DORININGS ON AND ADJACENT THINNY GRADING DRAINAGE TRADEWELL SOIL FORTING COMPLETED SEFTIC SOIL DORININGS THAT WERE FIELD LOCATED BY E.G. RUD AND SONS, INC. GRAPHIC SCALE 50 100 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. 1 INCH = 50 FEET TRADEVELL PERFORMED ADDITIONAL SEPTIC BOUNDS THAT YERE FIEL DUCATED OF E.S. NOU AND SURS, C.C. AND CARD SUBJECT SUBJE E.G. RUD & SONS, INC. Ano-Ela JASON E. RUD **HT 1877 Professional Land Surveyors**

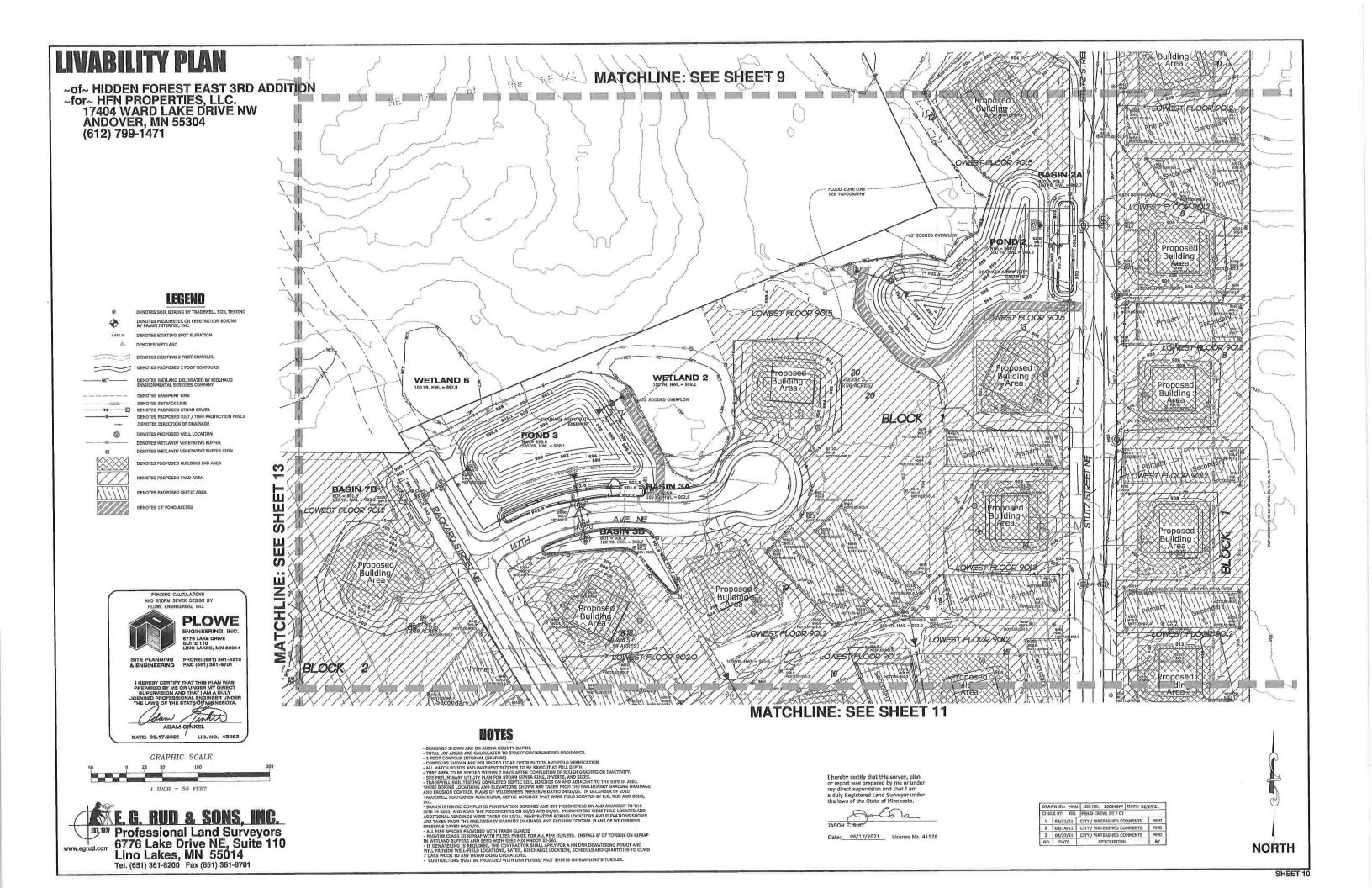
WILL PROVIDE WELL-FIELD LOCATIONS, KALES, DISUMINANT AUGUST. 7 DAYS PRIOR TO ANY DEWATERING OPERATIONS. - CONTRACTORS MUST BE PROVIDED WITH DNR FLYERS/ FACT SHEETS ON BLANDING'S TURTLES.

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

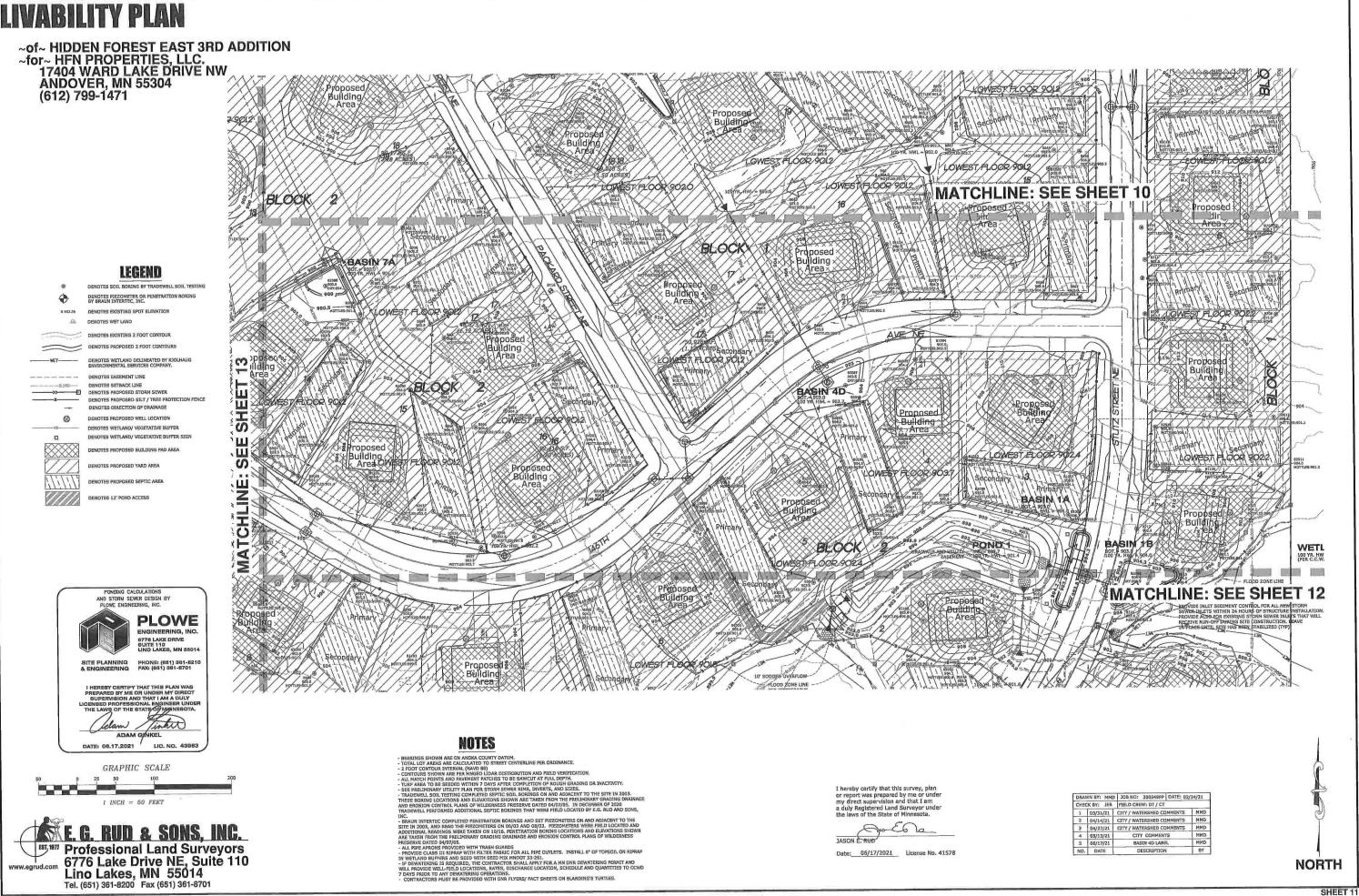
www.egrud.com

Date: 05/17/2021 License No. 41578

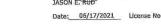


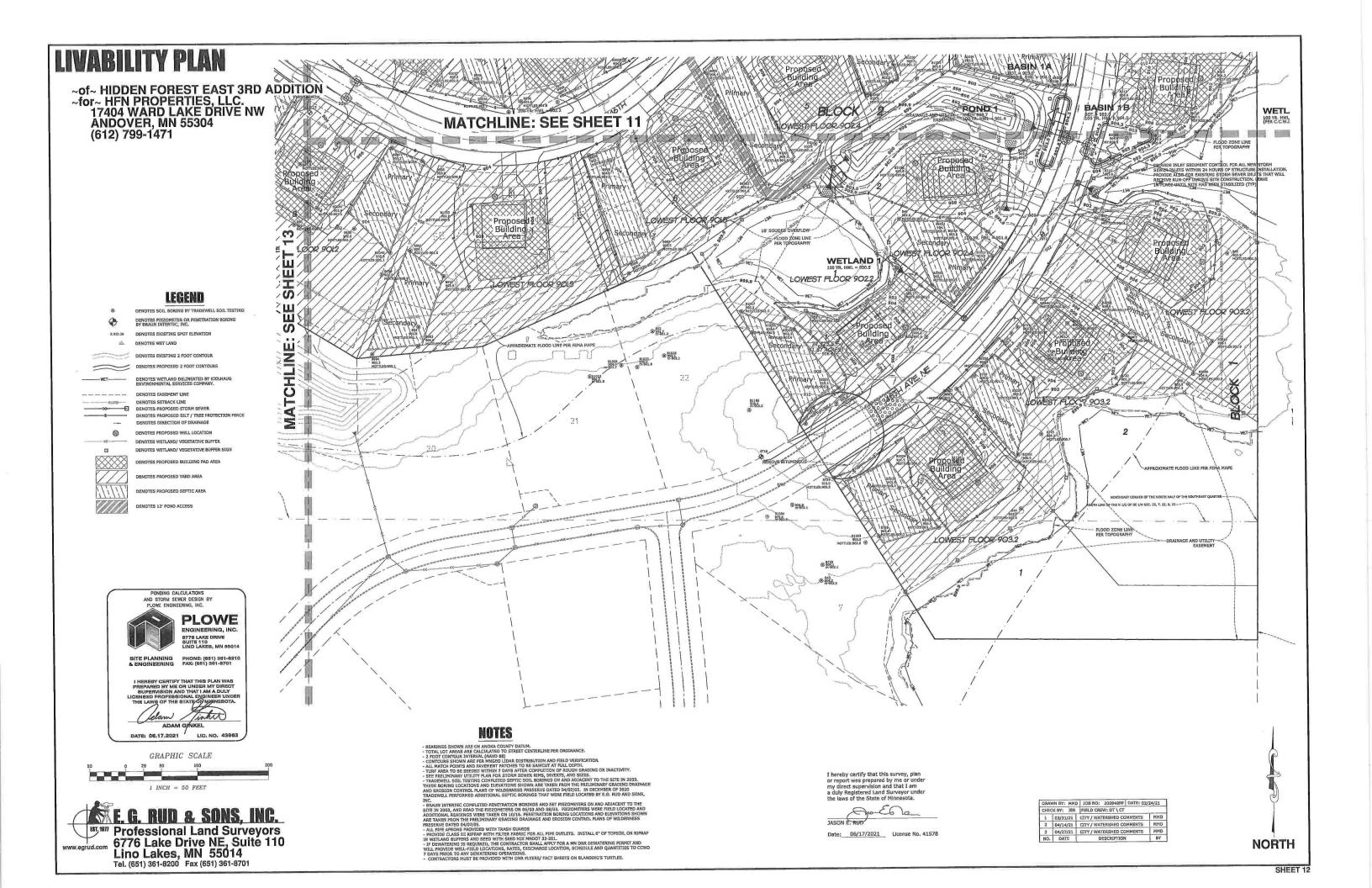


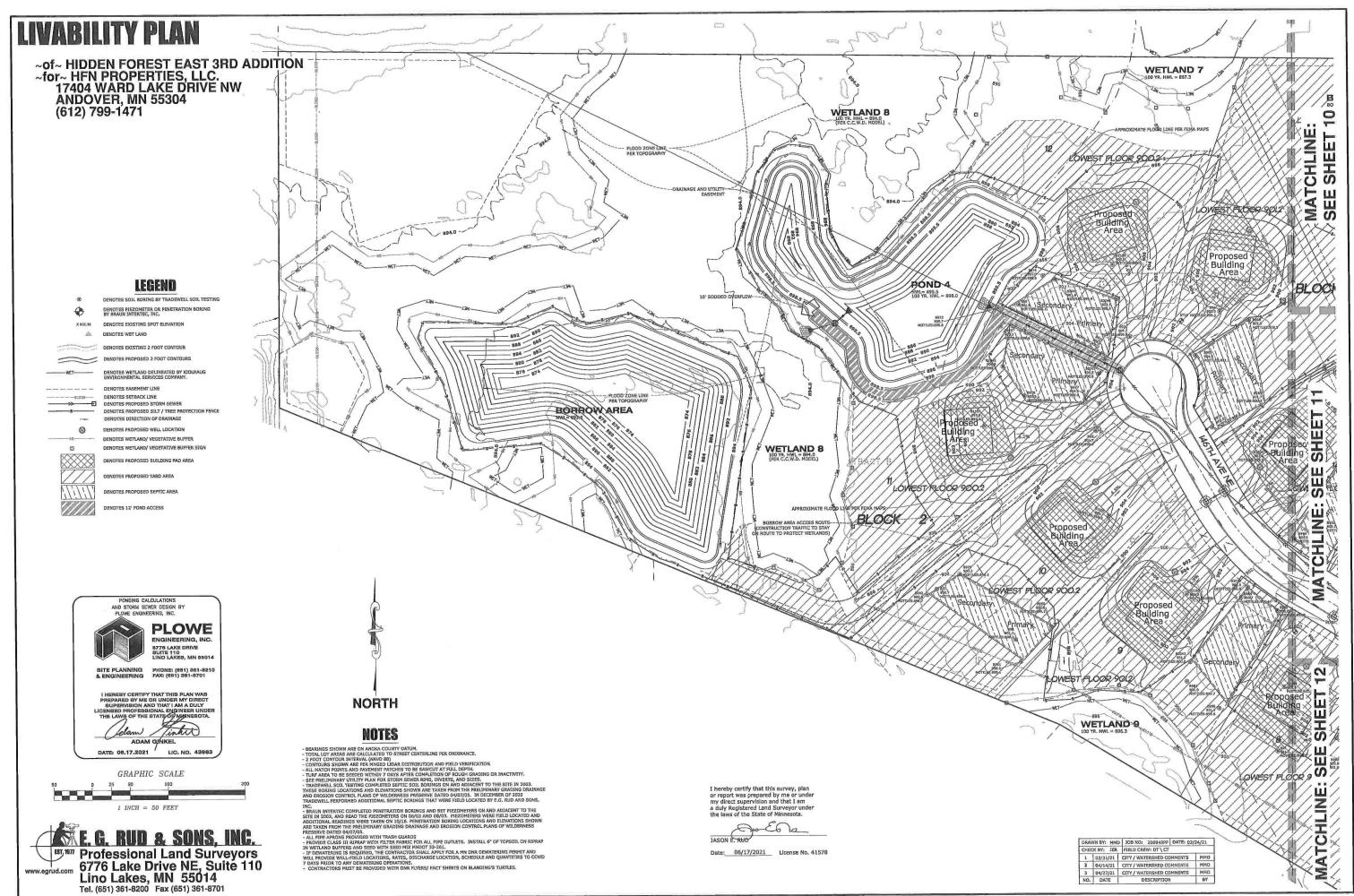
LIVABILITY PLAN











SHEET 13

LIVABILITY CHART

~of~ HIDDEN FOREST EAST 3RD ADDITION ~for~ HFN PROPERTIES, 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 lies above the 100 year flood contour. Of this 29,500 square feet, the following additional requirements must be present.

must be present. A, 1575 Area see both the 1575 originally constructed and a future 1575. The BSTS area needs for both the 1575 originally constructed and a future 1575. The BSTS area needs for be constructions to but Eligible building Area or the Yand Area, but the entire 1575 Area must contain Undisturbed Solis or solis which meet the requirements of Fule 7080 of the Minnesota Pollution of Least one foot above Linoxitable Solis, and must contain Undisturbed Solis or solis which meet the requirements of Fule 7080 of the Minnesota Pollution Control Agency for 1375 construction standards. The 1575 Area may be desement or otherwise for roadway, drainage or utility purposes, and provided that all of the area can be reasonably used for 15TS construction without the need for variances.

B. Eligible Building Area Each lot shall contain at least 10,000 square feet of contiguous land which lies at an elevation at least four feet above Unsuitable Soils. The Eligible Building Area may not be irregular in shape, and asbuild be generally rectangular or ovoid, with no penhandles, narrow necks or penhandles, the ligible Building Area may not be irregular in shape, and by essenter to otherwise for readway, drainage 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:

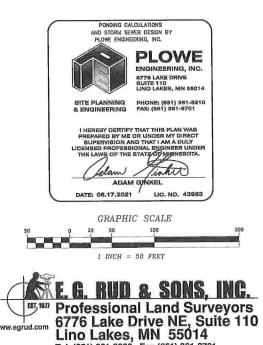
I) Lies above the 100 year flood contour, and
 ii) Lies at least one foot above solls unsuitable for the intended usage of the Yard area, and

It uses at least one foot above solls unsuitable for the intended usage of the Yard area, and IID is contiguous to the Eligible Building Area for a distance of at least fifty percent of the lineal periodicated easement area which lies at a distance of ten feet from the perimeter of the logi, and may encrosch into areas reserved by easement or otherwise for other public utility purposes, but may not encroach into any other area reserved by declaration or otherwise for road or drainage purposes, any may not encroach into any areas within the 100 year flood contour or fitot delignated weatings. You the Yard Areas is location or otherwise for road or drainage purposes, any may not encroach into any areas within the 100 year flood contour or fitot delignated weatings. You the Yard Areas is locationation to the Eligible Building Area, a which locations the Yard Areas shall be a logical extension or expansion of the generally restanguary or void shape of the Eligible Building Area. Fili may be used to create Yard Area.

D. Building Pad Areas The entire Building Pad must lie within the Eligible Building Area, and shall meet the separation requirements for the Eligible Building Area.

E. Low Floor Elevations

AW noor travelocial (D) For validout designs, the low floor elevation shall be at least one foot above the 100 year flood contour, but, notwithstanding the 100 year flood contour, not less than one floot above unsuitable solls, as determined by the City's engineer. II) For other designs, the low floor elevation shall be at least one foot above the 100 year flood contour, but, notwithstanding the 100 year flood contour, not eless than one foot above unsuitable solls, as determined by the City's engineer.



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ot	Block			Septic Area (sq. ft)	Building Pad Area	Proposed Building Pad		Proposed Low			Anticipated Groundwarer	Determining Factor	Boring #	Boring Elevation	Mottles Elevation	Building Type	Cust
		(sq. tt.)	(sq. ft.)	(sq. ft.)	(sq. ft.)	4' Above Unsuitable (sq. ft.)	Elevation	Floor Elev. 905.7	Opening 905.7	Elevation 903.2	Elevation 900.2	Anticipated	44	903.9	901.4	W.O.'	N
1	1	101,501	28,451	7,805	10,000	6,250	912.7	903.7	903.1	503.2	500.2	Groundwater	727	910.0	905.5	DROP	_
+													728	905.8	901.1	1 COURSE	
													1138	910.1	NONE		
+	-												1139	910.2	905.2		-
													1303	905.2	902.0	_	-
	1												2004	911.5	906.0 901.7		\vdash
											900.2	Acticipated	2005	905.4 903.3	901.7	W.O.	N
2	1	116,996	24,805	7,791	10,558	5,945	910.9	903.2	903.2	903.2	900.2	Anticipated Groundwater	717	903.8	902.0	W.O.	100
												GIDUNUWater	718	903.0	900.0		
-													719	904.3	900.1		-
-	_			_					-				720	902.3	900.8		-
\rightarrow											1		721	903.7	902.2		
-+	-						-						722	903.5	901.8		
-													723	903.6	901.8		
+													724	902.2	901.2	-	⊢
							· · · · · · · · · · · · · · · · · · ·						725	904.2 906.0	900.7 901.0	-	+-
													2006	9062	901.2		+
-	-												2007	908.2	903.0		1
-			<u> </u>								1		2056	904.7	901.5		1
-	_										-		2057	902.8	901.4		
3	1	75,121	36,288	8,117	10,650	5,177	910.9	903.2	903.2	903.2	900.2	Anticipated	48	903.5	901.5	W.O.	N
-	-	19,121	30,200	0,111	10,000			1			-	Groundwater	47	902.4	901.4		
-			1										ST 11	900.7	896.7(W)		
													718	903.6	901.3		+
	_							-					1137 2008	906.2 906.0	901.7 901.7		+
		-											2008	906.0	901.7	-	+
T							-						2009	904.4	900.9		+
		67.010	10.000	0 / 17	10 000	7,296	910.9	903.2	903.2	902.2	899.2	Anticipated	712	905.6	902.4	W.O.	1
4	1	57.216	12,983	8,117	10,039	1,290	\$10.3	303.2	000.2	or dente		Groundwater	713	904.2	900.7		T
_	-		+ +		1		-	1	1				714	902.1	901.1		T
-			+ +		1		1		1				715	902.2	900.8		T
-		_	+ +			1							1136	911.8	906.8		1
		_		_									2011	904.0	901.2		+
													2012	905.4	901.1		-
													2013	912.2	907.2 908.1		+
	-												2014 2082	907.9 904.4	898.9	DRY	+
								000 5	906.5	902.2	899.2	Anticipated	707	913.2	908.0	W.O.*	
5	1	43,600	18,883	8,117	10,000	5,282	912.8	908.5	800.5	902.2	033.2	Groundwater	708	911.0	NONE	DROP	+
			1							1	+	Giblandhatta	709	910.7	905.0	2 COURSE	Ē
-								1	-			-	710	907.8	904.1		
-	_												1135	911.5	NONE		T
8	1	43,800	18,883	8,117	10,000	6,868	913.8	907.5	910.7	901.2	898.2	Anticipated	704	907.4	904.9	L.O.*	
-		40,000	10,000	0,111			1					Groundwater	705	910.7	904,9	DROP	
-													706	912.5	907.5	2 COURSE	<u> </u>
_												-	711	907.8	904.9		_
	_												2015	911.4	906.7 905.2		+
													2015	909.9	903.7		+-
												-	2017	907.1	903.1		+-
	_								1	-	1		2018	910.0	905.0		1
-	_												2019	910.8	905.8		
7	1	43,600	18,883	8,117	10,000	9,637	912.2	905.9	909.1	901.2	898.2	Anticipated	700	907.5	902.2	L.O.*	
•		40,000	10,000									Groundwater	701	905.9	901.9	DROP	
-				-									702	906,8	903.1	2 COURS	<u>E</u>
			1					-				-	703	906.1	904.1		+-
													1133	907.6	902.2	F.B.	+
8	1	43,600	19,134	7,868	10,000	6,805	909.0	901.3	909.4	901.2	898.2	Anlicipated	698 697	909.2	NONE	r.b.	
					_		-					Groundwater	698	903.3	901.1	+	+-
													699	903.2	900.5		+
	_		-										1132	904.9	902.7	1	+
0		12 000	18,774	7,846	10,360	7,939	908.9	901.2	909.3	901.2	898.2	Anticipated	692	903.4	901.7	F.8.	
9	1	43,600	10,774	7,040	10,000	1,000	300.0	1	1			Groundwater	693	903.4	901.7		T
-	-		1					1	1				694	905.2	902.7		T
			1										695	904.6	902.6	-	+
	1						-						1131	906.1	902.8		+
													2020		901.8	1	+
			1								-		2021			1	+
								1	-	-			2022			1	+
_							+	+	-1	1	1	1	2092			1	+
10	1	49,067	22,370	8,117	10,153	8,450	910.2	903.9	907.1	901.2	898.2	Anticipated	69	902.6	901.1		T
U	<u> </u>	43,007	22,010	0,117	10,100	0,100						Groundwater	ST 17	907.3	894.2 (W		T
_	1	1	1										688	907.1			定
							-						687	904.2			+
											_		688	905.3		+	+
_							-	-				-	689 690	903.4		-	+
_										-	1		690	906.4		+	+
-		_								-			2068			1	+
-	-							1	-	-	1	1	2069		901.4		+
-	-	1					1	1	-	1	1		2070	908.5	903.5		_
_	1	-	-		-			1	1		1	1	2071	907.9	903.2		T
11	1	125,568	19,138	7,818	10,149	6,999	910.0	903.0	903.0	901.2	898.2	Anticipated	71	904.1			
• 1	1	caretand.								-	1	Groundwate	72	903.1			
-		1	1										73	904.3		1 COURS	SE
	-											1	678	903.4			+
	1									_			679	903.8			+
													681	906.5			+
								-	+				682				+
_							-						684	903.5			+
	1		+				-	-	-		-	-	686				+
													687				+
-	1						-			+			2024				+
-	1			1					_	-							-
											1		2072				

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.

Avo-Ela_ JASON E. RUD

SHEET 14

DRAWN 8Y: MMD JOB NO: 200949PP DATE: 02/24/21 CHECK BY: JER FIELD CREW: DT \ CT
 I
 03/31/21
 CITY / WATERSHED COMMENTS
 MMD

 2
 04/34/21
 CITY / WATERSHED COMMENTS
 MMD

 3
 04/27/21
 CITY / WATERSHED COMMENTS
 MMD

 NO.
 DATE
 DESCRIPTION
 BY

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

INE KEAN TAKU LUW OPENING WET - INDICATES ENCOUNTERED MOISTURE ELEVATION IN INFILTRATION AREA BORING. WAT - INDICATES WATER ELEVATION FOUND IN INFILTRATION BORING. DRY - INDICATES NO GROUNDWATER FOUND IN INFILTRATION BORING.

Date: 06/17/2021 License No. 41578

LIVABILITY CHART

~of~ HIDDEN FOREST EAST 3RD ADDITION ~for~ HFN PROPERTIES, 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 lies above the 100 year fload contour. Of this 29,500 square feet, the following additional requirements must be present.

must us present. A. 15TS Area. Each lot must contain at least 7,500 square feet of contiguous area which is reserved for both the 15TS originally constructed and a future 15TS. The 15TS Area need on ble contiguous to the Tailpilde building Area on the Yand Area, but the entire 15TS Area must exist at an alevation at least one foct above insuitable Solis, and must contain indisturbed Solis or solis which meet the requirements of Rule 7080 of the Minnesota Pollution Control Agency for 15TS constructions transdrafs. The 15TS Area may be gesement or otherwise for roadway, drainage or utility purposes, and provided that all of the area can be reasonably used for 15TS construction without the need for variances.

B. Eligible Building Area Each lot shall contain at least 10,000 square feet of condiguous land which lies at an elevation at least four feet above Unsuitable Soils. The Eligible Building Area may not be tirregular In shape, and should be ganerally rectangular or ovoid, with no panhandles, narrow necks or panhsulas. Eligible Building Area may not be transverse reserved by essemint or otherwise for nodeway, drainage or utility purposes. Fill may be used to create the Eligible Building Area.

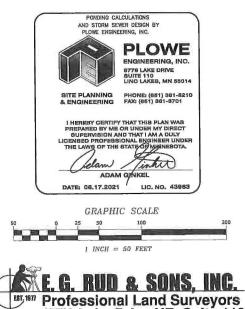
C, Yard Area Each lot shall contain at least 12,000 contiguous square feet which:

C, Yard Area Each to takil contain at least 12,000 contiguous square feet which: (1) Lies at least one foot above soils unsuitable for the Intended usage of the Yard area, and (1) Lies at least one foot above soils unsuitable for the Intended usage of the Yard area, and (1) Lies at least one of the Light building Area for a distance of at least (1) Areas may encreach into the dedicated essement area which lies at a distance of the Take area may encreach into the dedicated essement area which lies at a distance of the near form the perimeter of the light building Area. Yard Areas may encreach into the dedicated essement area which lies at a distance of the near form the perimeter of the light one concols into area reserved by essement or otherwise for other public utility purposes, but may not encreach into any other areas reserved by dedication or otherwise for read or drainage purposes, any may not encreach into any areas within the LiGO year fload contour or into designated wetlands. Yard Areas may be a logicity builty purpose, builting Area, at which locations where the Yard Area is configuous to the Eligible Building Area, at which locations the read rules also and builting Area. Rill may be used to create Yard Areas.

D. Building Pad Areas The entire Building Pad must lie within the Eligible Building Area, and shall meet the separation requirements for the Eligible Building Area.

E. Low Floor Elevations

We Hoof televations I) For wiskout designs, the low floor elevation shall be at least one foot above the 100 year flood contour, but, notwithistanding the 100 year flood contour, not eles sthan one foot above unsuitable solis, as determined by the City's engineer. II) For other designs, the low floor orlevation shall be at least one foot above the 100 year flood contour, but, notwithistanding the 100 year flood contour, not relevation shall be at least one foot advertised by the City's engineer.



6776 Lake Drive NE, Suite 110 Lino Lakes, MN 55014

Tel. (651) 361-8200 Fax (651) 361-8701

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											Highest Anticipated	Low Floor					
Lot	Block T	Total Lot Area		Septic Area (sq. ft)		Proposed Building Pad		Proposed Low	Proposed Low	Lowest Floor	Groundwarer	Determining	Boring #		Mottles	Building	
		(sq. 1.)	(sq. ft.)	(sq. ft.)	(sq. ft.)	4' Above Unsuitable (sq. fl.)	Elevation	Floor Elev.	Opening 902.0	Elevation 901.5	Elevation 898.2	Factor PER	70	Elevation 903.4	Elevation 900.9	Type W.O.*	Grad
12	1	450,997	48,497	8,132	10,000	7,410	909.0	902.0	902.0	201.0	050,2	POND 2	71	904.1	901.6	DROP	1
-	-											HWL	877	902.4	900.4	1 COURSE	E.
													678 679	903.4 903.6	900.9 901.9		
-											-		680	902.4	901.1		+
-+			_	-									1128	900.7	899.2		1
													2025	902.9	900.6 899.4	_	+
		_											2026	899.4 902.1	900.3		+
-													2075	900.9	899.9		1
13	1	80,363	19,500	8,117	10,000	6,478	909.0	902.0	902.0	901.5	898.2	PER	67	902.7	901.2	W.O.*	N
_												POND 2 HWL	68 673	901.8 904.4	900.8 901.1	DROP 1 COURSI	c
		_										- rive	674	902.5	901.2	1 000100	1
	-		-										675	905.8	902.3		
1											1		676	906.6	902.4		1
													2027	903.2	901.2 897.1	DRY	+
14	1	43,600	19,151	7,803	10,048	6,078	911.3	905.0	905.0	901.2	898.2	Anticipated	669	903.6	902.3	W.O.*	N
14		43,000	10,101	1,005	10,040	0,010						Groundwater	670	902.6	901.6	DROP	
	- 1									-			671	908.9	NONE	2 COURSE	Ë
													672 ST16	906.5	903.3 894.2 (W	-	+
-													1126	903.8	898.0		-
15	1	54,409	21,086	8,117	10,204	4,941	911.5	904.5	904,5	901.2	898.2	Anticipated	665	903.6	902.6	W.O.*	N
		- 11.00										Groundwaler	666	908.2	903.5	DROP	-
													687 668	910.0 908.8	905.8 904.3	1 COURS	
											1		1125	904.2	902.9		+
									1				2028	903.6	902.4		1
16	1	48,908	22,150	8,241	10,341	6,954	911.3	905.0	905.0	901.2	898.2	Anticipated	66	904.0	901.5	W.O.*	N
											1	Groundwater	661	903,9 903.9	902.9	2 COURS	F
													663	903.9	902.2	ZOURS	-
	_										1	-	664	904.0	902.5	1	
	-	-											1124	904.0	902.3		
					1					-			2076	904.0 904.9	902.2		+
											1	_	2077	904.3	902.1		-
17	1	50,926	18,398	7,959	10,094	6,414	911.5	904.5	904.5	901.2	898.2	Anticipated	657	910.7	905.2	W.O.*	N
	-	20,020	10,000	1,000	10,001					-	1 and 1	Groundwater		904.4	903.1	DROP	
	-										1		659	904.7	903.5 903.5	1 COURS	E
													660 1123	908.6	903.6		-
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-													2030	910.4	905.9	-	_
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3	2	51,936	18,735	8,315	10,179	5,642	912.5	905.5	908.7	902.4	899.2		1007	908.6 906.2 903.6	904.1 902.5 901.8	L.O. DROP 1 COUR	

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

JASON E. RUD

Date: 06/17/2021 License No. 41578

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

THE WEAR TAILO LW OFFERING WET - INDICATES ENCOUNTERED MOISTURE ELEVATION IN INFILTRATION AREA BORING, WAT - INDICATES WATER ELEVATION FOUND IN INFILTRATION BORING, DRY - INDICATES NO GROUNDWATER FOUND IN INFILTRATION BORING.

DRAV	VN BY: MM	108 NO: 200949PP DATE: 02/	24/21
CHEC	K BY: JER	FIELD CREW: DT \ CT	
1	03/31/21	CITY / WATERSHED COMMENTS	MMD
2	04/14/21	CITY / WATERSHED COMMENTS	MMO
3	04/27/21	CITY / WATERSHED COMMENTS	MMD
NO.	DATE	DESCRIPTION	BY

LIVABILITY CHART

~of~ HIDDEN FOREST EAST 3RD ADDITION ~for~ HFN PROPERTIES, 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 lies above the 100 year flood contour. Of this 29,500 square feet, the following additional requirement must be present.

Must be present. A. ISTS Area Each lot must contain at least 7,500 square feet of configuous area which is reserved for both the ISTS originally constructed and a future ISTS. The ISTS Area need not be configuous to the Eligible building Area or the YouTs. The Unsubble Solid rule 2000 of the Highlight building Area or the YouTs. Unsubble Solid rule 2000 of the kinnesca Pollution Control Agency for ISTS construction standards. The ISTS Area must be discussed and area or read-tion of the encode hito area reserved by assement or otherwise for readway, used for ISTS construction without the need for variances.

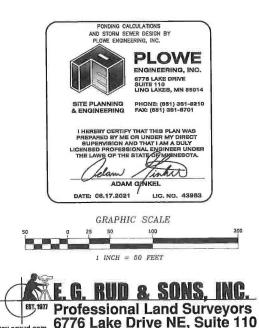
5. Slights Building Area Each to shall onchin at least 10,000 square feat of configuous land which likes at an elevation of least four feet above Unsuitable Soils. The Elights Building Area may not be irregular in shape, and should be generally rectangular or ovoid, with no panhandles, narrow necks or peninsulas. Eligible Building Areas may not be irregular in shape, and by essemble or otherwise for nadway, drainage or utility purposes. Pill may be used to create to present the second to be an entry of the present of the second present of th

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 unsultable for the intended usage of the Yard area, and c) uses at tease one too above soits unsuitable for the Intended usage of the Yard area, and III) Is contiguous to the Eligible Building Area for a distance of at least fifty percent of the lineal perturber of the Eligible Building Area. Yard Areas may encreach into the declated easement area which lies at a distance of ten feat from the perinter of the Idipa Building Area. Yard Areas may encreach into the declated easement area which lies at a distance of ten feat from the perinter of the Idipa Area for encode in the areas reserved by easement or otherwise for other public utility purposes, but may not encreach into any other area reserved by declation or otherwise for orad or drainage purposes, any may not encreach linte any areas within the 160 year flood control role into designated wellands. Tard Areas may be inregular in shape except within thing feat of the locations the Yard Areas any be have a logical extension or expansion of the generally rectangular or world shape of the Eligible Building Area. Fill may be used to create Yard Area.

D. Building Pad Areas. The entire Building Pad must lie within the Eligible Building Area, and shall meet the separation requirements for the Eligible Building Area. E. Low Floor Elevations

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



Lino Lakes, MN 55014 Tel. (651) 361-8200 Fax (651) 361-8701

www.earud.com

 Highed Autopart
 Highed Autopart
 Highed Autopart
 House Autopart
 Notice Block
 Notice Fails
 No Anticipated Low Floor
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	or my a d	ereby certify that this survey, report was prepared by me or direct supervision and that I fuly Registered Land Surveyor	r under Fam r under	
	the	a laws of the State of Minneso	ita.	
		gro-C6 le	2	
	JAS	SON E. RUD		
	Da	te: 06/17/2021 Licens	ie No. 41578	
N	OTES: * I	NDICATES DROPPED GARAGE LEVATIONS BASED UPON 12 COURS	E BASEMENT	
	(W) IN	DICATES STATIC GROUNDWATER E	LEVATION	
	15	OW OPENINGS LISTED ARE REFLECT HE REAR YARD LOW OPENING		
	Y Y	VET - INDICATES ENCOUNTERED MO VAT - INDICATES WATER ELEVATION INV - INDICATES NO GROUNDWATER	DISTURE ELEVATION IN INFLITRATION AREA BORING. 9 FOUND IN INFLITRATION BORING. 8 FOUND IN INFLITRATION BORING.	
	VN BY: MM		24/21	
1 HEC	K BY: JER	FIELD CREW: DT \ CT	MMD	
2	03/31/21	CITY / WATERSHED COMMENTS	MMD	
3.	04/27/21	CITY / WATERSHED COMMENTS	MMD	
10.	DATE	DESCRIPTION	BY	

GENERAL NOTES

- CONCRETE ON A CONCRETE ON

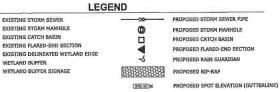
STORM SEWER NOTES

- SIDCRM SERVER NOTES
 SIDCRM SERVER NOTES
 TELD SERVER AND NOTEY ENGINEER OF ANY DISCREPANCIES
 PRIOR TO ANY INSTALLATIONS.
 STORM SERVER ANALL BE:
 (a) REINFORCED CONCRETE PIPE (RCP) ANBI CTO WITH R-4
 (b) RUIP ORCED CONCRETE PIPE (RCP) ANBI CTO WITH R-4
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 (c) RUIP CASE BIL RUIP RO RALL FLARED -END SECTIONS
 (LES THAN 4" N DIAMPERE.
 (c) RUIP CASE BIL RUIP RO CONCRETE PIPE (RUI) NUME APENN.

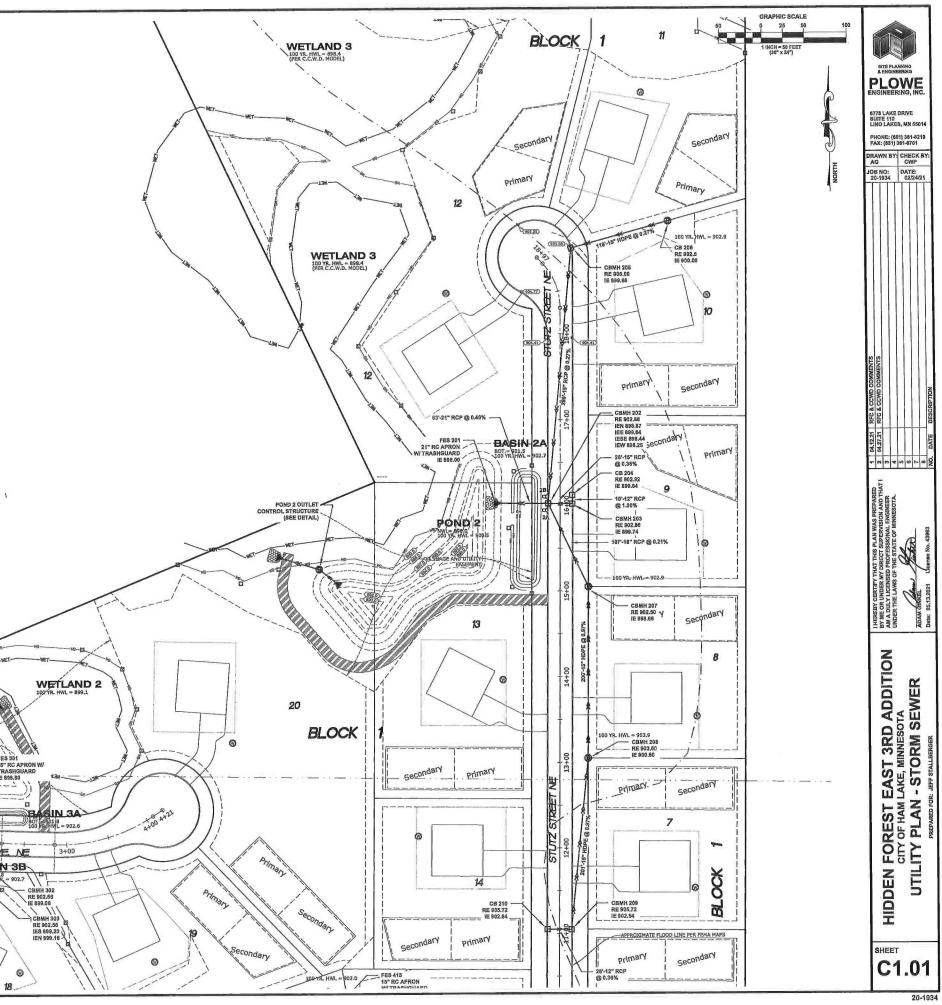
- LESS THAN 46" N DIAMETER. PROVIDE CLASS III INFARP WF FILTER FABRIC AT ALL PIFE OUTLETS. TIELAST TIMESE SECTION OF CONCRETE PIFE, INCLUDING APRON, TIELAST TIMESE SECTION OF CONCRETE PIFE, INCLUDING APRON, STORM SEWER LENGTHS INCLUDE THE LAYNO LENGTH OF THE FLARED-EXD SECTION. LAYNG LENGTH OF FLARED-END SECTION TO BE DEDUCTED FROM PAYMENT LENGTH OF PIFE, RACH PIFE JOINTS MUST BE SEWARPED OWN FARBLE OR OTHER PROTECTION TO PREVENT SECURENT FROM ENTERING PIFE. SEED HETE TO.LIF TOR STRUCTURE SECURENT.

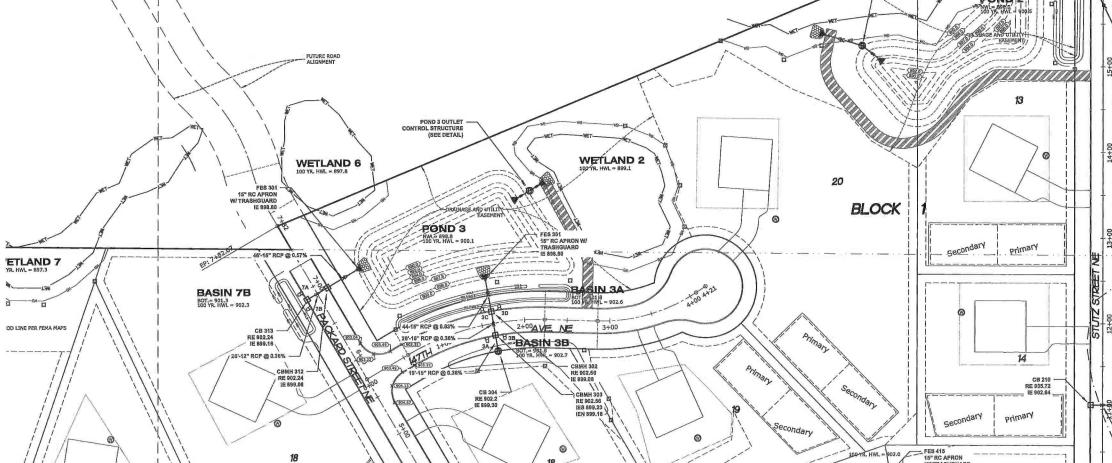
CURB & BITUMINOUS NOTES

- 1. RENOVAL AND DISPORT OF EXEMING STREET MATERIALS AS REQUIRED FOR CONSTRUCTION IS GONGEREED INCIDENTAL 2. ALL MATCH FOINTS AND PAVEMENT PATCHES TO BE SAW-CUT AT FULL DEPTH. 3. RESTORE DISJURED STREET TO EVENTING OR BETTER SECTION, 4. RACKFILLING OF CURS IS INCIDENTAL TO CURS INSTALLATION.



		STORM SEWER ST	RUCTURE	SCHEDULE	
#	SIZE	CASTING	#	SIZE	CASTING
102	48" DIA.	NEENAH R-3248-C	402	60" DIA.	NEENAH R-1733
103	48" DIA.	NEENAH R-3248-C	403	BO* DIA,	NEENAH R-3248-C
104	2'x3'	NEENAH R-3248-C	404	2"x 3"	NEENAH R-3248-C
154	1		405	48" DIA.	NEENAH R-3248-C
202	66" DIA.	NEENAH R-3246-C	406	2' x 3'	NEENAH R-3248-C
203	48" DIA.	NEENAH R-3248-C	408	48" DIA.	NEENAH R-4341
204	2'x3'	NEENAH R-3248-C	409	48* DIA.	NEENAH R-3248-C
205	48" DIA.	NEENAH R-3248-C	410	60" DIA.	NEENAH R-3248-C
208	MNDOT TYPE G	NEENAH R-4341	411	2' x 3'	NEENAH R-3246-C
207	48" DIA.	NEENAH R-4341	412	48" DIA.	NEENAH R-3246-C
208	48" DIA.	NEENAH R-4341	412A	MNDOT TYPE G	NEENAH R-4341
209	48" DIA,	NEENAH R-3248-C	414	48" DIA.	NEENAH R-3248-C
210	2'x 3'	NEENAH R-3248-C			
			A-2	48" DIA.	NEENAH R-1733
302	48" DIA.	NEENAH R-3248-G	A-3	48" DIA.	NEENAH R-1733
303	48" DIA.	NEENAH R-3248-C			
304	MNDOT TYPE G	NEENAH R-4341			
312	48" DIA.	NEENAH R-3248-C			
313	2' x 3'	NEENAH R-3248-C	11		





ū EXISTING CATCH BASIN EXISTING FLARED-END SECTION EXISTING DELINEATED WETLAND EDGE WETLAND BUFFER

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EXISTING STORM SEWER

WETLAND BUFFER SIGNAGE

GENERAL NOTES

- CHENERAL NOTES
 THE INFORMATION SINGIN ON THESE DRAWING CONCERNING
 THE AUDILGCANON OF EXERTING UTILITIES IS NOT GUARANTEED
 TO BEACOURTE OR ALL NOLLISUSE. THE CONTRACTOR IS
 RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE
 AND LOCATION OF UTILITIES AND EXTENSIVE TO AVID DAVAGE
 TO THESE UTILITIES.
 CALL SI'L FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY
 EXCAVATIONS.
 SCALACE SI'L FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY
 DISCREPANCIES PRIOR TO THE START OF INSTALLATIONS.
 INSTALLATIONS SHALL OFFICIAL PLATES.
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- CONSTRUCTION. ALL ELECTRIC, TELEPHONE, AND GAS EXTENSIONS INCLUDING BERVICE LINES SHALL, BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS, ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.

STORM SEWER NOTES

- STORM SEWER NOTES FILL VERIFY BER ELEVATION, AND LOCATION OF EXISTING STORM BEWER AND NOTIFY EXISTENCE ANY DISCREPANCIES PRIOR TO ANY INSTALLATIONS. STORM BEWER ANAL DISCREPANCIES (A) REWFORED CONCRETE HIFE (RCP) ANSI OTS WITH FAR CANCERS (A) REWFORED CONCRETE HIFE (RCP) ANSI OTS WITH FAR CANCERS (A) REWFORED CONCRETE HIFE (RCP) ANSI OTS WITH FAR CANCERS (A) ROMORANULAR KATERTICH RE ORGANISCHEMENT OF CARASITOR MEAN TYPE SWITH WATERTICHT CONNECTIONS, USE SANDORANULAR KATERLATION REAKTILLING RACHTLING (COMPACTION OF HIDPERVO PIPE IN ACCORDANCE WITH THE REMIREMENTS OF ASTM 2321. ON NOT BACKFILL CATCH BASING UNTIL FARIC WAP IS INSPECTED BY CITY. 100 NOT BACKFILL CATCH BASING UNTIL FARIC WAP IS NERGED BY CITY. 101 CLASS II RIP-RAP WITH ITEER FABRIC AT ALL FIPE OUTLETS. 102 CLASS II RIP-RAP WITH ITEER FABRIC AT ALL FIPE OUTLETS. 103 CONCRETE PIPES LISS THAN 46° IN DAMETER. 104 CLASS II RIP-RAP WITH INCLUBE THE LAYING LENGTH OF THE FLARED-END SECTION. OF CONCRETE PIPE, INCLUDING APRON, FOR CONCRETE PIPES LISS THAN 46° IN DAMETER. 104 CLASS II RIP-RAP WITH INCLUBE THE LAYING LENGTH OF THE FLARED-END SECTION. ANYNG ILENGTH OF FLARED-END SECTION 104 DEDUCTED FOR MAY MAY MENT CHOINT OF PIPE. 105 CLASS INTROPONDED TO PIPE. 105 CLASS INTRO

CURB & BITUMINOUS NOTES

- 1. REMOVAL AND DISPOSAL OF EXISTING STREET MATERIALB AS REQUIRED FOR CONSTRUCTION IS CONSIDERED INCIDENTAL 2. ALL MATCH POINTS AND PAVEMENT PATCHES YO BE SAW-CUT AT FULL DEPTH. 2. RESTORE DISTURBED STREET TO EXISTING OR BETTER SECTION. 4. BACKFILLING OF CURB IS INCIDENTAL YO CURB INSTALLATION.

EXISTING STORM SEWER

EXISTING CATCH BASIN

WETLAND BUFFER SIGNAGE

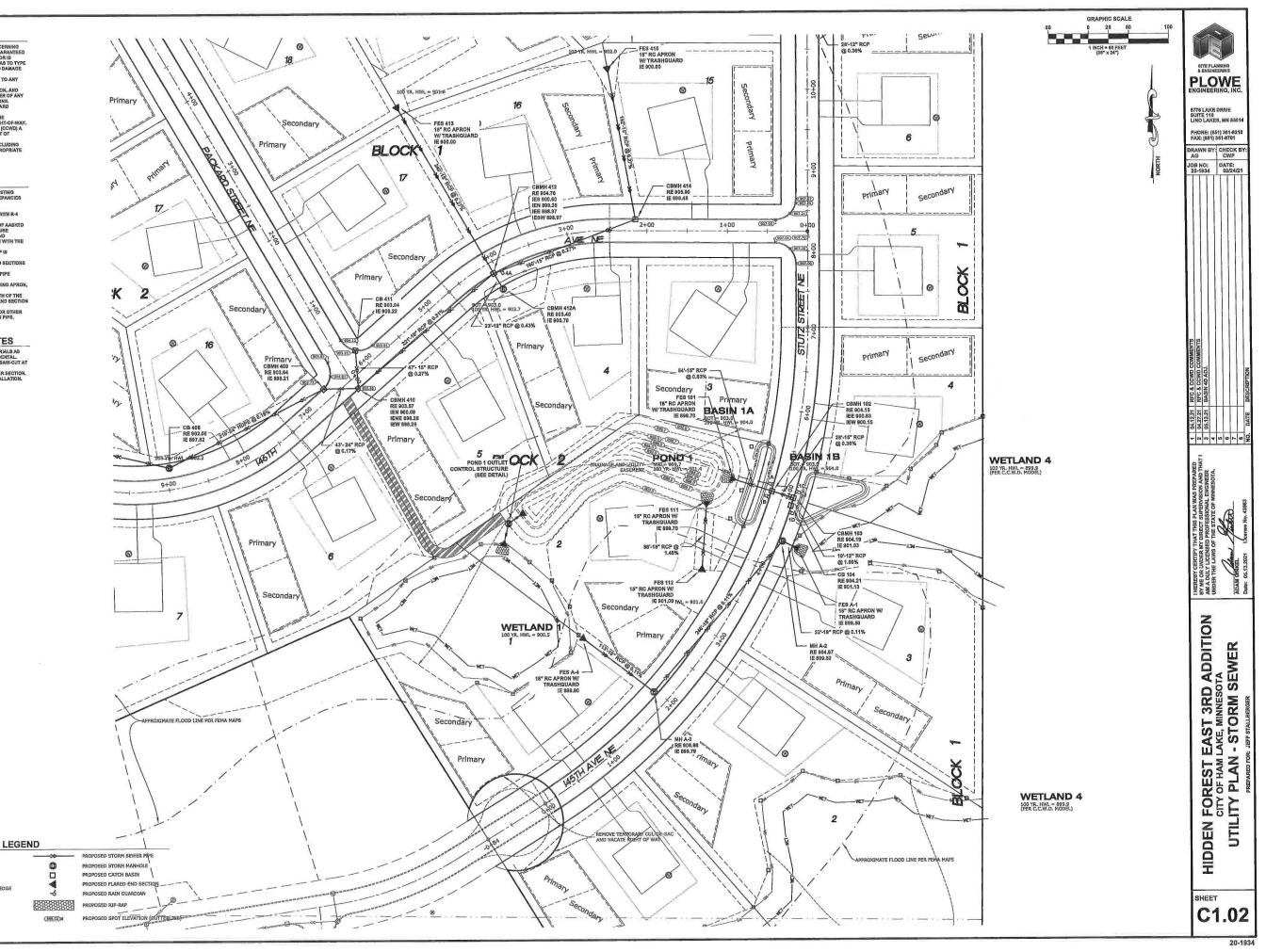
WETLAND BUFFER

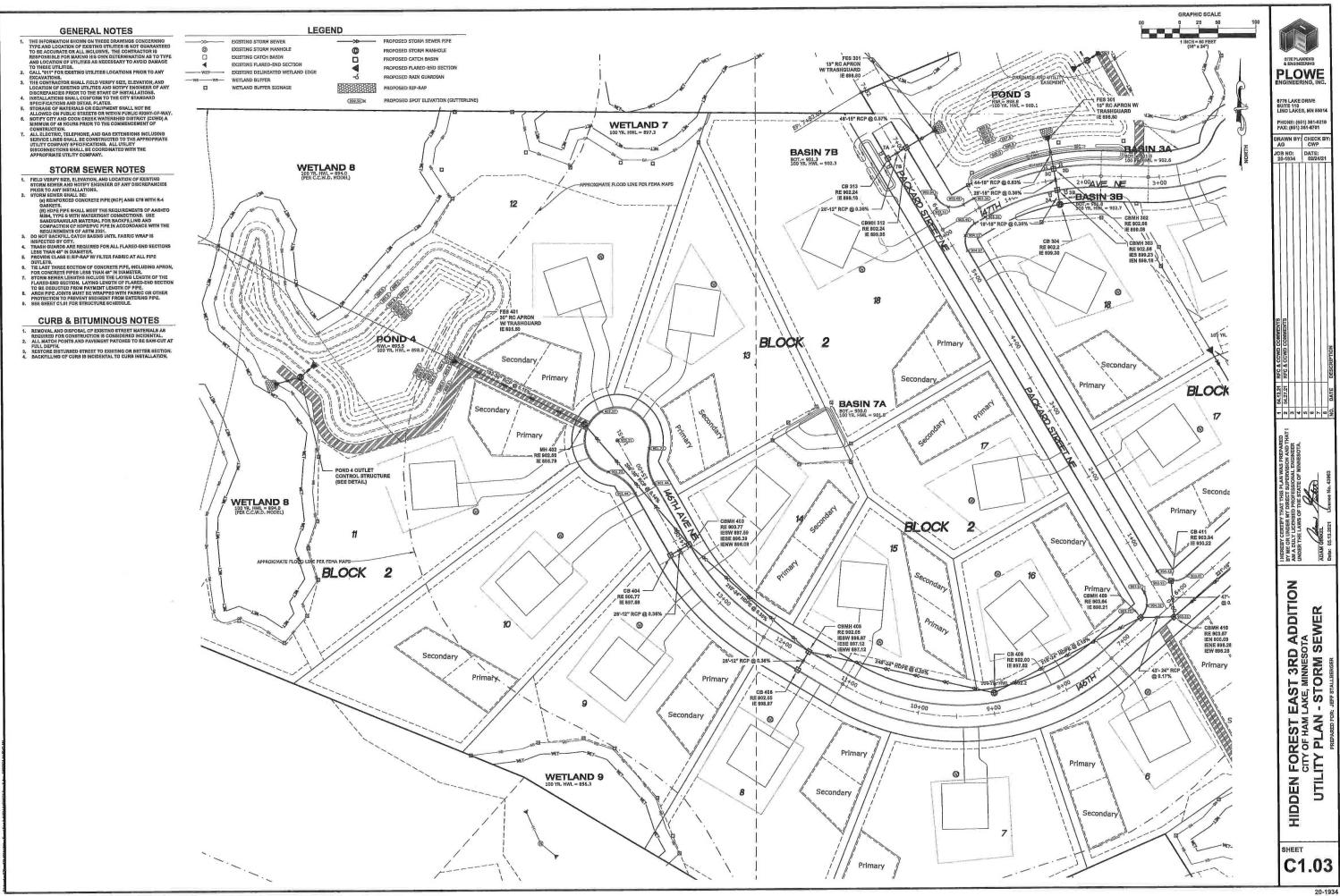
EXISTING STORM MANHOLE

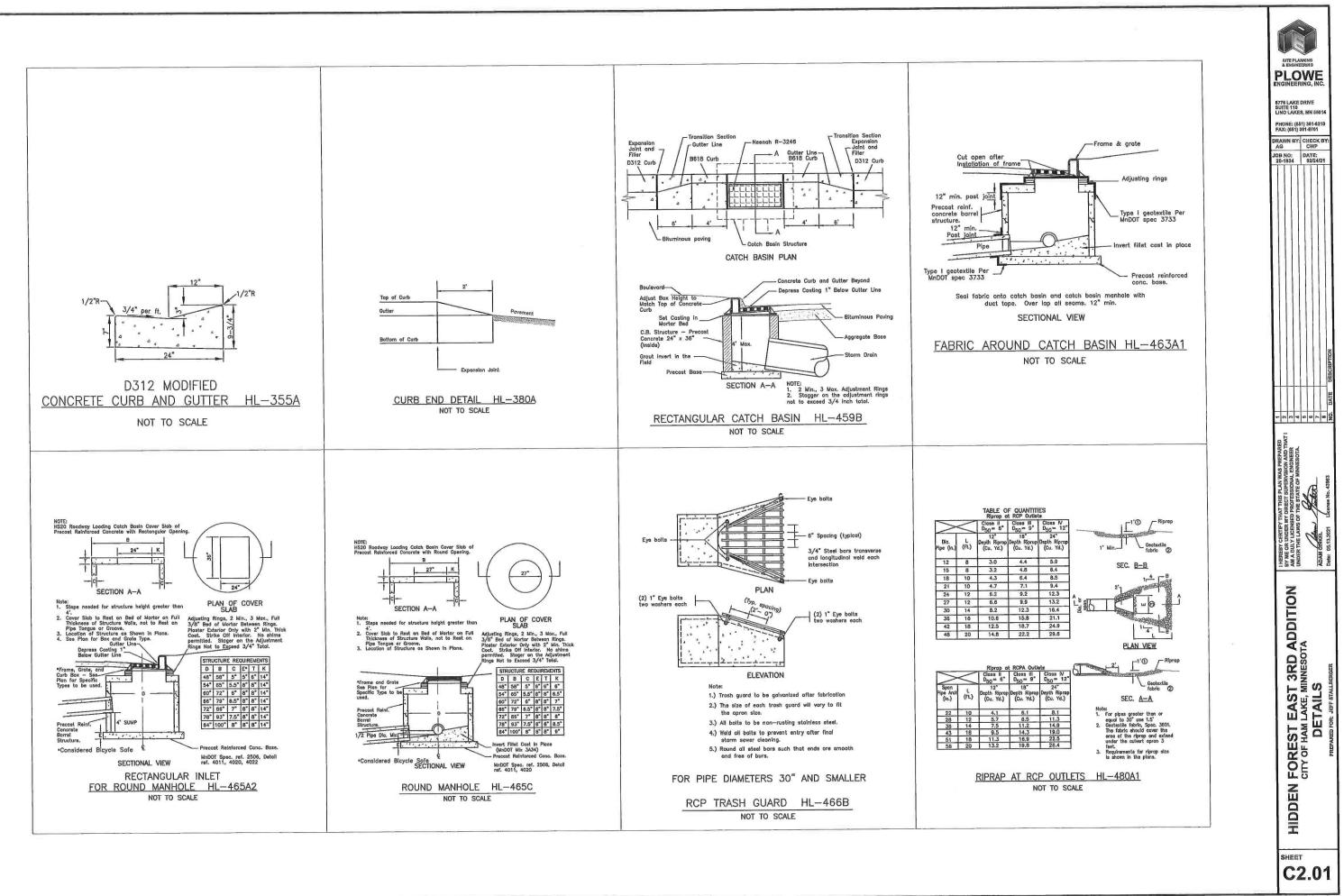
EXISTING FLARED-END SECTION

EXISTING DELINEATED WETLAND EDGE

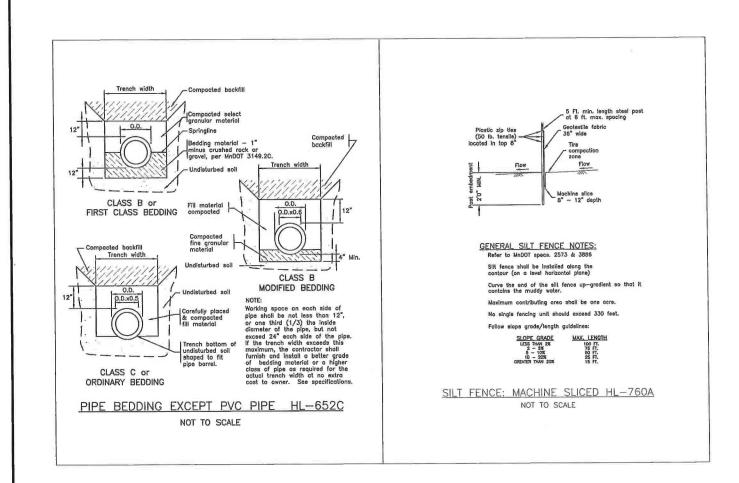
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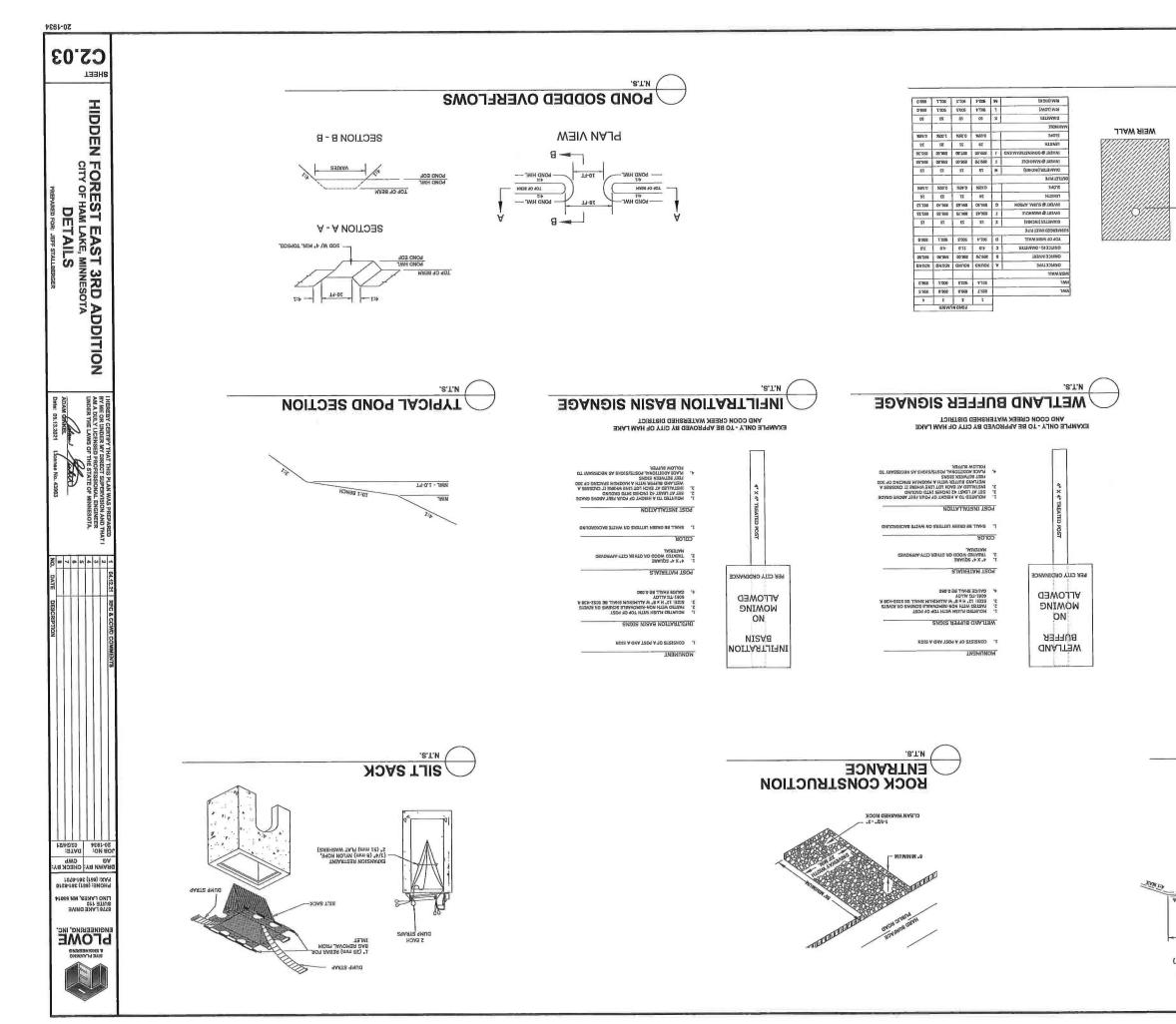


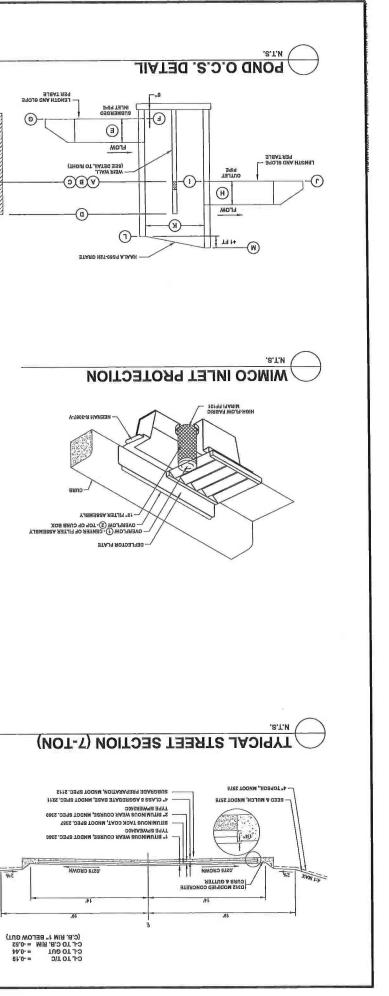


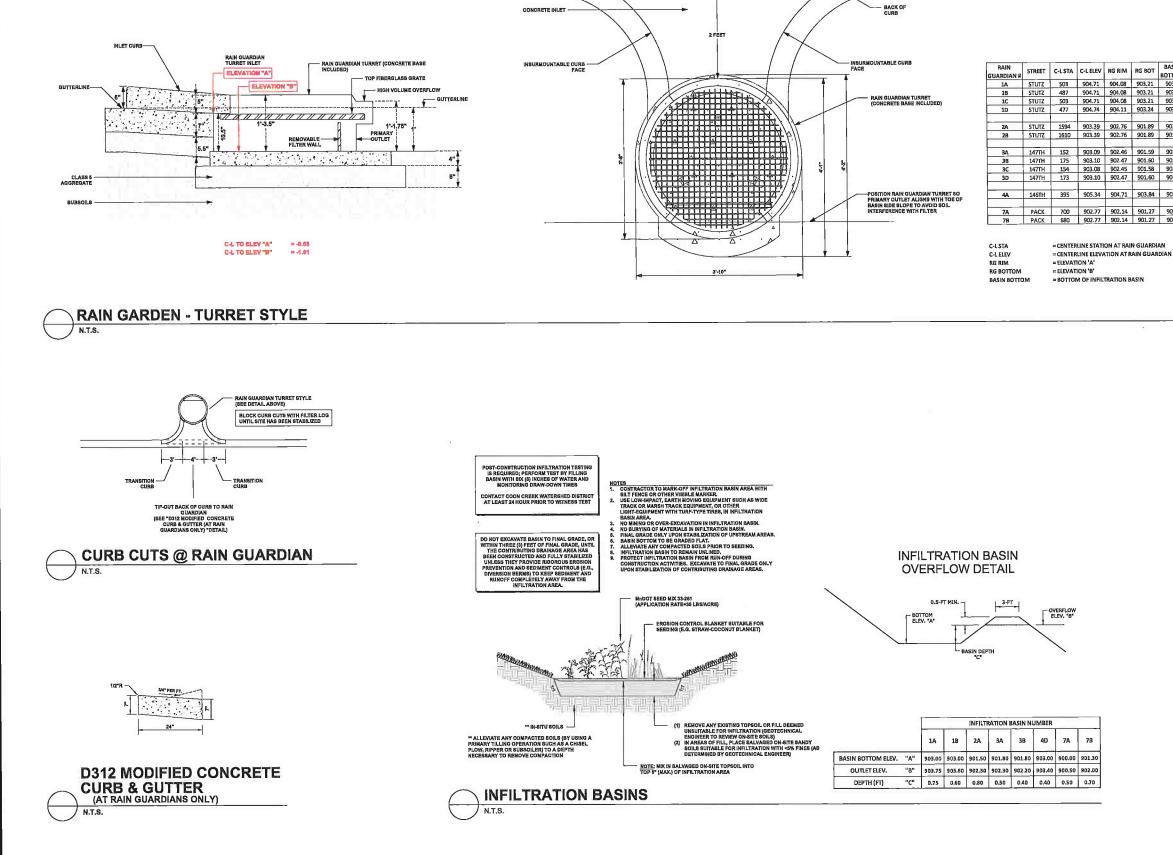
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TRANSITION & TIP-OUT D312 CURE

1	RG BOT	BASIN
		BOTTOM
	903,21	903.0
	903,21	903.0
	903.21	903.0
	903.24	903.0
	901.89	901.5
	901.89	901.5
	901.59	901.8
	901.60	901.8
	901.58	901.8
	901.60	901.8
_	903.84	903.0
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	901.27	901.3

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	CITY OF HAM LAKE, MINNESULA	1 8	DRN S, M
0	DETAILS	ADAM CANKEL	VE N 550 81-82
Δ	PREPARED FOR: JEFF STALLBERGER	Date: 05.13.2021 License No. 43963	

4.1 TERMINATION OF COVERAGE, [MINN, R. 7090]

4.2 PERMITTEES MUSY SUBMIT A NOT WITHIN 30 DAYS AFTER ALL TERMINATION CONDITIONS LISTED IN SECTION 13 ARE COMPLETE. [MINN. R. 7090] 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 LEAN OUT, OR TRANSFERRING PORTIONS OF A SITE 70 ANOTHER PARTY. THE PERMITTERS' COVERAGE UNDER THIS PERMI TERMINATES AT MIDNIGHT ON THE SUBMISSION DATE OF THE NOT, MININ, R. 7590) 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 10 PERCENT (BY AREA) OF ALL, ORIGINALLY PROPOSED CONSTRUCTION ACTIVITY HAS BEEN COMPLETED AND PERMANENT COVER HAS BEEN ESTABLISHED ON THOSE AREAS: AND

. ON AREAS WHERE CONSTRUCTION ACTIVITY IS NOT COMPLETE, PERMANENT COVER HAS BEEN ESTABLISHED; AND

D. THE SITE COMPLIES WITH ITEM 13.3 THROUGH 13.7.

E. The UTE DWILL DWILL THE DWILL THE DWILL COMMON PLAN OF I

4.5 PERMITTEES MAY TERMINATE COVERAGE UPON MPCA APPROVAL AFTER SUBMITTING INFORMATION DOCUMENTING THE DWNER CANCELED THE PROJECT. MINN. R. 70901

B.1 SWPPP AMENDMENTS. [MINN. R. 7090]

52 ONE OF THE INDIVIDUALS DESCRIBED IN ITEM 21.2.A OR ITEM 21.2.B OR ANOTHER QUALIFIED INDIVIDUAL MUST COMPLETE ALL SWPPP ORANGES, CHANGES INVOLVING THE USE OF A LESS STRINGENT BMP MUST INCLUDE A UBSTIFICATION DESCRIBING MOY THE REPLACEMENT BMP IS EXPECTIVE FOR THE BITE GARARCHERISTICS. [MINN. R. 7696] DEGUNDING HOW THE INSTANCE OF COMMAN OWNERS FOR THE OWNER OF THE OWNERO FLOWING DURING HOW THE THE COMMAN OF THE OWNER OWNERS AND THE OWNERS

TO SURFACE WATERS ON GROUNDWATER, MINN, K. / 1991) 64 PERMITTERS MUST AMENO THE SWPPP TO ILCULDE ADDITIONAL. OR MODIFIED BMPS AS NECESSARY TO CORRECT PROBLEMS IDENTIFIED OR ADDRESS STUATIONS WHENVER INSPECTIONS OR INVESTIGATIONS BY THE SITE OWNER OR DOFERATOR, USER OR MICA OFFICIALS INICIDENT THE SWPPP IS NOT EFFECTIVE IN LEMINATING OR SIGNIFICANTLY MINIMUZING THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OR GROUNDWATER OR THE DISCHARGES ARE CAUSING WATER QUALITY STANDARD EXCEEDANCES (E.G., MUSIANCE CONDITIONS AS DEFINIED IN MINN, R. 7650.0216, SUBP. 2) OR THE SWPPP IS NOT CONSISTENT WITH THE OBJECTIVES OF A USEPA APPROVED TMDL., MINN, R. 7650.0216)

7.1 BMP SELECTION AND INSTALLATION. [MINN. R. 7090]

72 PERMITTEE NUST SELECT, INSTALL, AND MAINTAIN THE BMPS IDENTIFIED IN THE SWPPP AND IN THIS PERMIT IN AN APPROPRIATE AND FUNCTIONAL MANNER AND IN ACCORDANCE WITH RELEVANT MANUFACTURER SPECIFICATIONS AND ACCEPTED ENGINEERING PRACTICES, [MINN: R. 7090]

8.1 EROSION PREVENTION PRACTICES. IMINN. R. 70801

5.) ERVISION FRAFERING FRANKING AND SUBJECT AND A STATE THE LOCATION OF AREAS NOT TO BE DISTURBED. [MINN. R. 7080] 8.3 PERMITTEES MUST MINIMIZE THE NEED FOR DISTURBANCE OF PORTIONS OF THE PROJECT WITH STEEP SLOPES, WHEN STEEP SLOPES MUST DE DISTURBED, FRAMITEES MUST USE TECHNIQUES SUCH AS PHASING AND STABILIZATION PRACTICES DEGISIONE OF STEEP SLOPES (E.G., SLOPE DAINING AND TERACING), MINN. R. 7090]

DESIGNED FOR STEEP SLOPES (E.G., SLOPE DRAINING AND TERACING), [MINN. R. 7090] A PERMITTER MURST STABLEZ ALL EXPOSED SOLA, AREAS, INCLUDING STOCKPIES, STABILIZATION MUST BE INITIATED IMMEDIATELY TO LIMIT SOLE EXOSION WHEN CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARIUS (CEASED ON ANY PORTION OF THE STER AND WHEN CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARIUS (CEASED ON ANY PORTION OF THE STER AND WHEN CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARIUS (CEASED ON ANY REQUIRED ON LATER THAN 7 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY HAS CEASED, STABILIZATION HIS NOT REQUIRED ON TEMPORARY STOCKPIES WITHOUT SIGNIFICANT SILT, CLAY OR ORGANIC COMPONENTS (E.G., CLEAN AGGREGATE ETOCKPILES, DEMOLTION CONCERTE STOCKPILES, SAND STOCKPILES) BUT PERMITTEES MUST PROVIDE SEDIMENT CONTROLS AT THE BASE OF THE STOCKPILES, JUNN, R. 7080] SEDIMENT CONTROLS AT THE BASE OF THE STOCKPILES, JUNN, R. 7080]

SEPTIMENT NOTIFICED AT THE BASE OF THE STOCKPELE, [MINN, R. 7000] 8.5 FOR PUBLIC WATERS THAT THE MINNESOTA DNR HAS PROMULGATED "WORK IN WATER RESTRICTIONS" DURING SPECIFIED THE SAVENING "THE FRAMES, PERMITTES MUST COMPLETE STABLIZATION OF ALL EXPOSED SOIL ARE 200 FEET OF THE WATERS EDGE, AND THAT DRAIN TO THESE WATERS, WITHIN 24 HOURS DURING THE RESTRICTION [MINN, R. 700]

(MINN, N. 7000). 8.9 FERNITEES MUST STABILIZE THE NORMAL WEITED 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 BOLDE PERMITHES MUST COMPLETE STABLE LATION OF REMAINING PORTIONS OF TEMPORARY OR PERMANENT DITCHES OR SWALES WITHIN 7 GALENDAR DAYS AFTER CONNECTING TO A SUBFACE WATER OR PROPERTY EDGE AND CONSTRUCTION IN THAT PORTION OF THE DITCH TEMPORALY OR PERMANENTLY CLASSE.

A TEMPORARY OR PERIAMENT DIFCIES OR SWALES BEING UEER AS A SEDMENT CONTAINUERT SYSTEM DURING GYNERYLUITION (MITH PROPERLY DESIGNED ROCK-ONTCH CHECKS, BIO ROLLS, BILT DIKES, ETG, J DO NOT NEED YO DE SYSTEM CASES, MINN, R. YOSON ILLUE THESE ANGAS WITHIN 24 HOMA AFTER THER USE AS A SEDMENT CONTAIN SYSTEM CASES, MINN, R. YOSON

STOLEN LCAGES, INITIA, IF 7000 B.S. PERMITTES MUST NOT USE MULCH, HYDROMULCH, TACKIFIER, POLYACRYLAMIDE OR SIMILAR EROSION PREVENTION PRAOTICES WITHIN ANY PORTION OF THE NORMAL WETTED PERMETER OF A TEMPORARY OR PERMANENT DRAINAGE OTCH OR SWALE SECTION WITH A CONTINUOUS SLOPE OF GREATER THAN 2 PERCENT, IMINIR, TOBOL

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] 8,19 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)

AL SECURENT LOGITINGE TRADILISES BERRICHT LEND AQ PERMITTES MUST ESTABLISES OFTHE STETEAND DOWNGRADIENT AREAS OF THE SITE THAT DRAIN TO ANY SURFACE WATER, INCLUDING CURB AND GUTTER KYSTERAS. PERMITTESE MUST LOCATE GENOLIENT CONTROL PRACTICES UPGRADIENT OF ANY SUPFER CONSE, PERMITTES MUST INSTALL SEDIMENT CONTROL PRACTICES BEFORE ANY UPGRADIENT LAND-DISTURBING ACTIVITIES BEGIN AND MUST KEEP THE SEDIMENT CONTROL PRACTICES BEFORE ANY UPGRADIENT LAND-DISTURBING ACTIVITIES BEGIN AND MUST KEEP THE SEDIMENT CONTROL PRACTICES BEFORE ANY UPGRADIENT LAND-DISTURBING ACTIVITIES BEGIN AND MUST KEEP THE SEMERT CONTROL PROFILES IN FLOOR ONTEL THAT STRALL OF REQUENT FALLING OF ALL MINUTE TO EXCESSIVE MAINTENANCE REQUIREMENTS, PERMITTESS MUST INSTALL ADDITIONAL UPORADIENT SEDIMENT CONTROL PRACTICES OR REDUNDANT BURS TO ELIMINATE THE OVERLOADING AND AMEND THE SWPPP TO IDENTIFY THESE ADDITIONAL PRACTICES AS REQUIRED IN THE 6.3. (MINUT, 7.690)

4 TEMPORARY OR PERM

NEW OR PERMANENT DRAINAGE DITCHES AND SEDIMENT BASING DESIGNED AS PART OF A SEDIMENT IT SYSTEM (E.G., DITCHES WITH ROCK-CHECK DAMS) REQUIRE SEDIMENT CONTROL PRACTICES ONLY AS IF POR STRE CONTINUS, (MINN, R. 7000)

AFTRUCTANLE FUR DIE UURUITIUMS, IMMRIN.E. 1990] 95.5 FLOATMON SUIT OURTAIN PLACED IN THE WATER IS NOT A SEDIMENT CONTROL BMP TO SATISFY ITEM 8.2 EXCEPT WHEN WORKING ON A SHORELINE OR BELOW THE WATER IS NOT A SEDIMENT CONTROL BMP TO SATISFY ITEM CONSTRUCTION ACTIVITY (E.G., INSTALLATION OF RIF APA LONG THE BHORELINE) IN VIATA TAREA IS COMPLETE, PERMITTEES MUST INSTALL AN UPLAND PERIMETER CONTROL PRACTICE IF EXPOSED SOILS STILL DRAIN TO A SURFACE WATER. [MINN. R. 7590]

A PERMITTEEM MUST RE-INSTALL ALL SEDIMENT CONTROL PRACTICES ADJUSTED OR REMOVED TO ACCOMMODATE SNORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VEHICLES, IMMEDIATELY AFTER THE SNORT-TERM ACTIVITY IS COMPLETED, PERMITTEES MUST RE-NSTALL SEDIMENT CONTROL PRACTICES BEFORE THE PRACIPITATION EVENT EVEN IF THE SHORT-TERM ACTIVITY IS NOT COMPLETE. [MINN. R. 7090] THE NEWT

8.7 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. IMINN. R. 7090]

EDIABLEAR FEMANAREIT LOUTEN OF ALCA AREAS TITLE OF CHERING. FOR DISORDADING TO THE INCL. I (MINING I TOM) B. 9 FERMITTEES MAY FEMOLO FILLET PROTECTION FOR A PARTICULAR INLET IF A SPECIFIC SAFTY CONCERN (E.G. STREET FLOODINGREEZING) IS IDENTIFIC BY THE PERMITTEES OR THE JURISDICTIONAL AUTORNITY (G.G., CITYCOUNTYTY/ONSHIP/IN/INSIGNA DISORTAD DEPARTMENT OF TRANSPORTATION ERONALERI, PERMITTEES MUST DOCUMENT THE CITY/COUNTY/TOWNSHIP/MINNESOTA DEPARTMENT NEED FOR REMOVAL IN THE SWPPP. [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 7080) 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, JAINN, K. 7000 8.11 PERMITTES MUST INSTALL A VEHICLE TRACKING BMP TO MINIMIZE THE TRACK OUT OF SEDIMENT FROM THE CONSTRUCTION SITE OR ONTO PAVED ROADS WITHIN THE SITE, JAINN, R. 7800 9.12 PERMITTEES MUST USE STREET SWEEPING IF VEHICLE TRACKING BMPS ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING ONT DHE STREET, JAINN, R. 7030)

9.13 PERMITTEES MUST INSTALL TEMPORARY SEDIMENT BASINS AS REQUIRED IN SECTION 14. [MINN. R. 7090] 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] 9-18 PERMITTEES MUST DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS UNLESS INFEASIBLE. [MINN. R. 7090]

9.10 PERMITTEES MUST DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS UNLESS INFEASIBLE, (MINN, 7. 709) 0.17 PERMITTEES MUST PRESERVEA AS POOT VATURAL BUFFER OR, IF A SUFFER IS INFEASIBLE, ON THE SITE, PROVIDE NEDUDANT (DOUBLE) PERMITTER SEDIMENT CONTROLS WHEN A SUBFACE WATER IS LOCATED WITHIN SETE / FTHE PROJECTS E METH DISTURANCES AND STORMWATER FLOWS TO THE SUBFACE WATER IS LOCATED WITHIN SETE / FTHE PROJECTS E METH DISTURANCES AND STORMWATER FLOWS TO THE SUBFACE WATER IS LOCATED WITHIN SUBTINISTALL PERMIETER SEDIMENT DOTITION AND LEAST S FEET APART UNLESS LIMITED BY LACK OF AVAILABLE SPACE NATURAL BUFFERS ARE NOT NEOLINE DAJOCHT TO ROAD DISTCHES JUDICAL DISTORES, OLINITY OTSCHES, STORMWATER CONVEYANCE GRAVINELS, STORM DRAIN INLETS, AND BEDIMENT BASINS, IF PRESERVING THE BUFFER IS INFEASIBLE, PERMITTERS MUST DOCUMENT THE MASONS IN THE SWIPP, SHEET PLING IS A REDUXDANT PERIMETER CONTROL IF INSTALLED IN A AMAINER THAT RATANDA LS TORMWATER, (MINN, R. 709)

A PERMITTER MUST DE POUR DE L'UMBITAILE, INTER DE L'UMBITAILE, INTER D'UMU 8) à PERMITTER MUST DIE POURERS, FLOCELLATS, OR OTHER SEDIMENTATION TREATMENT CHEMICALS IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES, DOSING SPECIFICATIONS AND SEDIMENT REMOVAL DESIGN SPECIFICATIONS PROVIDED BY THE ANAURACHINER OR SUPPLIER, THE PERMITTER MUST DE CONVENTIONAL DESIGN AND BEDIMENT CONTROLS PRIOR TO CHEMICAL ADDITION AND MUST DIRECT TREATE DITORWATER TO A SEDIMENT CONTROL SYSTEM FOR FILTERATION OR SETTLEMENT O'THE FLOC PRIOR TO DEFINISTO DI CONVENTIONAL ENCO ADD BEDIMENT CONTROLS PRIOR TO CHEMICAL ADDITION AND MUST DIRECT TREATED STORWATER TO AS EDIMENT CONTROL SYSTEM FOR FILTERATION OR SETTLEMENT O'THE FLOC PRIOR TO DISCHARGE (MINN, R. TOS)

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

10.1 DEWAYTERING AND BASIN DRAINING, JIMIN. R. 7289) 10.2 PERMITEES BUIST DISCHARGE TURBID OR SEDIMENT-LADEN WATERS RELATED TO DEWATERING OR BASIN DRAINING (E.G., PUMPED DISCHARGES, TRENCHDITCH CUTS FOR DRAINAGEJ TO A TEMPORARY OR PERMANENT SEDIMENT BASIN ON THE PROJECT SET UNLESS INFERSIBLE, PERMITTEES MAY DEWATER TO SUBFACE WATERS IT FHEY YISUALLY CHECK TO ENSURE ADEQUATE TREATMENT HAS BEEN OSTANED AND NUISANCE CONDITIONS (BEE MIN. R. 7506.2510) BUBS, 2) WILL NOT RESULT FROM THE DISCHARGE, IP PERMITTEES CANFO DISCHARGE THE WATER TO A SUBMENTATION BASIN PRIOR TO ENTERING A SUBFACE WATER, PERMITTES MOUTT THAT HAPPROPRIATE TO A SUBMENTATION BASIN PRIOR TO ENTERING A SUBFACE WATER, PERMITTES MUST TREAT IT WITH APPROPRIATE BMS SUBMI THAT THE DISCHARGE DOES NOT ADVERSELY AFFECT THE SUBCECO WATER ON CONVENTIONAL PROFERIES, IMAN, R. 7506.2510) BUBCHARGE DOES NOT 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, ABBORBENTS PADS) PRIOR TO DISCHARGE. (MINN. R. 70901

10.4 PERMITTEES MUST DISCHARGE ALL WATER FROM DEWATERING OR BASIN DRAINING ACTIVITIES IN A MANNER THAT DOES NOT CAUSE EROSION OR SCOUR IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS OR INVIDATION OF WETLAND, BINNER IMMEDIATE VICINITY OF DISCHARGE POINTS TART CAUSES SIGNIFICANT ADVERSE IMPACT TO THE WETLAND, BINN, R. 7090J

TO SEP PERMIT UP DEVENDER FORTE THAT AVAILABLE AVAILABLE

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

12.2 PERMITTEES MUST ENSURE A TRAINED PERSON, AS IDENTIFIED IN ITEM 21.2.9, WILL INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (T) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 1/2 INCH IN 24 HOURS. [MINN. R. 7090]

11.3 PERMITTEES MUST INSPECT AND MAINTAIN ALL PERMANENT STORMWATER TREATMENT BMPS. MINN. R. 70901

TIA PERMITTEES MUST INSPECT AND MANIAN ALL PERMIANDRI STOMMITTEES (CALINET DERS, DURAT, 1990) TIA PERMITTEES MUST INSPECT ALL EROSION PERVENTION AND SEDIMENT CONTCOL BMP ADA DO LLUTION PREVENTION MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS, PERMITTEES MUST REPAR, REPLACE OR SUPPLEMENT ALL NONFUNCTIONAL BMPS WITH "INVERTIGATE PERFECTIVENESS, PERMITTEES MUST REPAR, REPLACE OR DISCOVERY UNLESS ANOTHER TIME FRAME IS SPECIFICIEN IN TEM 11.5 OR 11.6, PERMITTEES MAY TAKE ADDITIONAL TIME IF FILL CONDITIONS PREVENT ACCESS TO THE REPLACE, [MINN, R 700]

FIELD CONDITIONS PREVENT ACCESS TO THE AREA. [MINK, R. 7090] ILS DURING EACH INSPECTION, PERMITTES MUST INSPECT SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND GONVEYANCE SYSTEMS BUT NOT CURB AND GUTTER SYSTEMS, FOR EVIDENCE OF EROSION AND SECMENT DEPOSITION. PERMITTESE MUST REMOYE ALL DELTAS AND BECHANIENT DEPOSITED IN SUFRACE WATERS, INCLUDING DRAINAGE WATS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS AND REBTABILIZET THE AREAS WHERE SEDIMENT REMOYEL ALEDARA DAYS OF EXPOSED BOLL, PERMITTES MUST COMPLETE REMOVAL AND STABILIZATION HITTIN SEVEN (TCALEDARA DAYS OF DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL ACCESS CONSTRAINTS, PERMITTESE MUST USE ALL RESCONABLE EFORTS TO DISTA ACCESS. [PERCLUDED, REMOVAL AND STABILIZATION HITTIN EXPENT (TCAE PLACE WISTING EVEN DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL ACCESS CONSTRAINTS, PERMITTESE MUST USE ALL RESCONABLE EFORTS TO DISTA ACCESS.] OF OUTAGE OF OBTAINING ACCESS. PERMITTEES ARE RESPONSIBLE FOR CONTACTING ALL LOCAL, REGIONAL, STATE AND FEDERAL AUTHORITIES AND RECEIVING ANY APPLICABLE PERMITS, PRIOR TO CONDUCTING ANY WORK IN SURFACE WATERS.

EDERAL AUTH 1.4 PERMITTEES MUST INSPECT CONSTRUCTION SITE VEHICLE EXIT LOGATIONS, STREETS AND CURB AND GUTTER SYSTEMS WITHIN AND ADJACENT TO THE PROJECT FOR SEDIMENTATION FROM EROSION OR TRANSFOR SEDIMENT FORM LINES AND ADDRESS A 11.5° PENNIT IELD WATHINGTON TO THE PROJECT FOR SECIMENTATION FROM ERGSION OR TRACKED SEDIMENT FROM VEHIC WITHIN AND ADJACENT TO THE PROJECT FOR SECIMENTATION FROM ERGSION OR TRACKED SEDIMENT FROM VEHIC PERMITTEES MUST REMOVE SEDIMENT FROM ALL PAVED SUPPACES WITHIN ONE (1) CALENDAR DAY OF DISCOVERY APPLICABLE, WITHIN A SHORTER TIME TO AVOID 6 SAFETY MAZART OU USERS OF PUBLIC STREETS, MINN. R. 7090] 11.7 PERMITTEES MUST REPAIR, REPLACE OR SUPPLEMENT ALL PERIMETER CONTROL DEVICES WHEN THEY BECOME INSPENDITIONAL OR THE SEDIMENT REACHES 1/2 OF THE REIGHT OF THE DEVICE, MINN, R, 7990] 11.8 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. 70901 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 ITEM 21.2.B. (MINN, R, 7090)

1.10 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

A VITHE OWNER ON WHER FORTIONS OF THE BIELOW B. WHERE BIES HAVE PERMANENT COVER ON VALL EXPOSED SOLLAND NO CONSTRUCTION ACTIVITY IS DOCURRING ANYWHERE ON THE STE, 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

C. WHERE CONSTRUCTION ACTIVITY HAS BEEN SUBPENDED DUE TO FROZEN GROUND CONDITIONS, INSPECTIONS MAY BE SUSPENDED, INSPECTIONS MUST RESUME WITHIN 24 HOURS OF RUNOFF OCCURRING, OR UPON RESUMING CONSTRUCTION, WHICHCERE COMES FIRST, IMMIN. R. 7080

1.11 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;

D. CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES); AND

Control of the interaction of

I. FERMITTEE OSERVE A DISCHARGE ONING THE INFORMATION HAVING ANIMARIES AND IN FERMITTEE OSERVE A DISCHARGE ONING THE INFORMATION, THEY MUST RECORD AND SHOULD PHOTOGRAPH AND DESCRIBE THE LOCATION OF THE DISCHARGE (LE, COLOR, DDOR, SETTLED OR SUSPENDED BOLLDS, OIL SHEEN, AND OTHER OSVIDUS MIDICATORS OF POLLUTARTIS; AND

0. 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. 7080]

12.1 POLLUTION PREVENTION MANAGEMENT MEASURES, [MINN. R. 7090]

12.7 FOLLUTION PREVENTION MARAGEMENT REAGINES, JMIRTLE, TVARA 12.2 FERNITES MUST PLACE BUILDING RODUOTS AND LANDSCAPE MATERIALS UNDER COVER (E.G., PLASTIC BHEETING OR TEMPORARY ROOFS) OR PROTECT THEM BY SMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWATER, PERMITTEES ARE NOT REQUIRED TO COVER OF PROTECT PRODUCTS WHICH ARE EITHER NOT A SOURCE OF CONTAMINATION TO STORMWATER OR ARE DESIGNED TO BE EXPOSED TO STORMWATER. [MINN, R. 7990] 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 CONTACT WITH STORWAYATE, (MINN, R 7060)

THIS OF ORWITATER, [MINN. R. 7080] 12.4 PERMITTEES MUST STORE HAZARDOUS MATERIALS AND TOXIC WASTE, [INCLUDING OIL, DIEBEL FUEL, GASOLINE, HYDRAULIC FLUDS, PAINT SOLVENTS, PETROLEUM ASSED PRODUCTS, WOOD PRESERVATVES, CURING COMPOUNDS, AND ACODS IN SEALED CONTAINERS TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. STORAGE AND DISPOSAL OF MAZARDOUS WASTER MATERIALS MUST BE IN COMPLIANCE WITH MINN. R. CH. 7045 INCLUDING SECONDARY CONTAINMENT AS APPLICABLE. [MINN. R. 7080]

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

12.6 PERMITTEES MUST POSITION PORTABLE YOILETS 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] PERMITTEES MUST PROPERLY DISPOSE SANITARY WASTE IN ACCORDANCE WITH MINN. R. CH. 7041, IMINN. R. 7041, 12.7 PERMITTEES MUST PROPERLY DISPOSE SANITARY WASTE IN ACCORDANCE WITH MINN. R. CH. 7041, IMINN. R. 7041, 12.7 PERMITTEES MUST PROVE RASOKABLE STEPS TO PREVENT THE DISCHARGE OF SPILLEO OR LEAKED CHEMICALS, INCLUDING FUEL, FROM ANY AREA WHERE CHEMICALS OR FUEL WILL BE LOADED OR UNLOADED INCLUDING THE USE OF DRIP PANG OR, ABSORBENTS UNLES INFEASIBLE, PERMITTEES MUST PROVIDET RESURTE ADEOLATE SUPPLIES ANEA AVAILABLE AT ALL TIMES TO CLEAN UP DISCHARGED MATERNALS AND THAT AN APPROPRIATE DISPOSAL METHOD IS AVAILABLE FOR RECOVERED SPILLED MATERNALS, PERMITTEES MUST REPORT AND CLEAN UP SPILLS IMMEDIATELY AS REQUIRED BY MINN. STAT. 115.051, 12.9 PERMITTEES MUST ENDICE STORT REPORT WASHING AND EQUIPMENT TO A DEFINED AREA OF THE SITE. PERMITTEES MUST CONTAIN RUNOFF FROM THE WASHING AREA IN A SECOMENT TA AD CLEAN UP TO CHER SIMULARLY EFFECTIVE CONTROLS AND MUST DISPOSE WASTE FROM THE WASHING AREA IN A SECOMENT TABIN OR OTHER SIMULARLY EFFECTIVE CONTROLS AND DIST DISPOSE WASTE FROM THE WASHING AREA IN A SECOMENT TABIN OR OTHER SIMULARLY EFFECTIVE CONTROLS AND DIST DISPOSE WASTE FROM THE WASHING AND CONTRY PROPERLY. PERMITTEES MUST PROPERLY USE AND STORE SOARS, DETERGENTS, JOR SOLVENTS, [MINN, R. 7000]

LEIENUERIIS, UN SOLVENIS, MININ, K. (1994) 12.9 FERNITESES MUST ROYNOU EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OPERATIONS (E.S., CONCRETE, STUCCO, PAINT, FORM RELEASE OLLS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATTERIALS RELATED TO THE CONSTRUCTION ACTIVITY, FERMITIESE MUST PREVENT LIQUID AND SOLID WASHOUT WASTES FROM CONTACTIVE THE GROUND AND MUST DESIGN THE CONTAINMENT SO IT DOES NOT RESULT IN RUNOFF FROM THE WASHOUT OPERATIONS OF MEAS, PERMITTEES MUST PROFERING THE UNDIA TO SOLID WASTES IN COMPLIANCE WITH MPCA, RULES, PERMITTEES MUST INSTALL A SIGN INDICATING THE LOCATION OF THE WASHOUT FACILITY, (MINN, R. 7335, MINN.

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

13.2 FEMILTES MUSIC CONFIGNENT CALCONSTRUCTION ACTIVITY AND MUST INSTALL PERMANENT COVER OVER ALL AREAS PRIOR TO SUBMITTING THE NOT, VEGETATIVE COVER MUSIC CONSIST OF A UNIFORM PERENNIAL VEGETATION WITH A DENSITY OF 76 PERCENT OF ITS EXPECTED FINAL GROWTH, VEGETATION IS NOT RECUIRED WHERE THE FUNCTION OF A SPECIFIC AREA DICTATES NO VEGETATION, SUCH AS IMPERVIOUS SUBFACES OR THE BASE OF A SAND FILTER. [MINN. R. 7080] 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 16 THROUGH 19 AND IS OPERATING AS DESIGNED, MUN B. 700M

13.4 PERMITTEES MUST REMOVE ALL SEDIMENT FROM CONVEYANCE SYSTEMS PRIOR TO SUBMITTING THE NOT. IMINN. R. 70901

13.5 PERMITTEES MUST REMOVE ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPS PRIOR TO SUBMITTING THE NOT, PERMITTEES MAY LEAVE BMPS DESIONED TO DECOMPOSE ON SITE IM PLACE, UMIN.R. 7090 13.6 FOR RESIDENTIAL CONSTRUCTION ONLY, PERMIT COVERAGE TERMINATES ON INDIVIDUAL LOTS IF THE STRUCTURES ARE FINISHED AND TEMPORARY EROSION PREVENTION AND DOWNGRADIENT PERMETER CONTROL IS COMPLETE, THE RESIDENCE SELLS TO THE HOMEOWERY AND THE PERMITTEED ISTRIBUTES THE MPCASE" THOMEOWER PACT SHEET" TO THE FINISHED AND TEMPORARY ER SELLS TO THE HOMEOWNER, HOMEOWNER, [MINN, R. 7090]

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. 70901 1-11 LERMEMONDY DESURED LEASING, MEMORY, UMAY 142 WHERE TEN (10) OR MORE ACRES OF DISTURBED SOLDRAIN TO A COMMON LOCATION, PERMITTEES MUST PROVIDE A TEMPORARY SEDMENT BASIN TO PROVIDE TREATMENT OF THE RUNOFF BEFORE TI LEAVES THE CONSTRUCTION SITE OF BETTERS SURFACE WATERS, PERMITTES MAY CONVERT A TEMPORARY SEDMENT BASIN TO A PERMANENT BASIN CONSTRUCTION IS COMPLETE. THE TEMPORARY BASIN IS NO LONGER REQUIRED WHEN PERMANENT DOVEN THAS FEDULES THE ACREAGE OF DISTUREDS OLI TO LESS THAN TEN (10) ACRES DARINING TO A COMMON LOCATION, MINN, R. 7000]

I THE ANDARE OF DIVINED SOLE TO BOD THAT HE OF THE OF THE ADD THAT HE OF THE OF

14.4 WHERE PERMITTEES HAVE NOT CALCULATED THE TWO (2)-YEAR, 24-HOUR STORM RUNOFF AMOUNT, THE TEMPORARY 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 PREVENT SHORT-CIRCUITING AND THE DISCHARGE OF FLOATING DEBRIS MINN, R. 70801

(MINR. IC JUD) 14.8 PERMITTES MUST DEBIGN THE OUTLET STRUCTURE TO WITHORAW WAYER FROM THE SURFACE TO MINIMIZE THE DISCHARGE OF POLLUTANTS, PERMITTES MAY TEMPORARILY SUBPEND THE USE OF A SURFACE WITHORAWAL MECHANISM DURING FROZEN CONDITIONS. THE BASIN MUST INCLUDE A STABILIZED EMERGENCY OVERFLOW TO PREVENT FAILURE OF POND INTEGRITY. [MINN. R. 7090]

14.7 PERMITTEES MUST PROVIDE ENERGY DISSIPATION FOR THE BASIN OUTLET WITHIN 24 HOURS AFTER CONNECTION TO A SUFFACE MATER. (MINN, R. 7040]

14.8 PERMITTEES MUST LOCATE TEMPORARY BASINS OUTSIDE OF SURFACE WATERS AND ANY BUFFER ZONE REQUIRED IN ITEM 23.11, JUNN, R. 7000]

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

TO A COMMON LOCATION, IMIN. R. 709) 4.10 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 TRAPS, SILT FENCES, VEGETATIVE DUFFER STRIPS OR ANY PAPROPRIATE COMMINATION OF MEASURES AS DICTATED BY INDIVIDUAL SITE CONDITIONS, IN DETERMINING WHETHER INSTALLING A SEDIMENT BASIN IS INFEASIBLE, PERMITTEES CONSIDER FUELCE SAVETY AND MAY CONSIDER FACTORS SUCH AS SITE SOLS, SLOPE, AND AVAILABLE AREA ON-SITE. PERMITTEES MUST DOCUMENT THIS DETERMINIATION OF INFEASIBLITT IN THE SWPPP, [MINN, R. 7680]

15.1 PERMANENT STORMWATER TREATMENT SYSTEM. [MINN. R. 7080]

16.1 INFILTRATION SYSTEMS. (MINN. R. 7090)

THE PERMITTEES MUST DESIGNATION OF THE PROJECT SOLATION OF STATE WATER DISCHARGED FROM THE PROJECT DURING AND AFTER CONSTRUCTON ACTIVITIES DOES NOT CAUSE A VIOLATION OF STATE WATER QUALITY STANDARDS, INCLUDING NUISANCE CONDITIONS, ENGIDINI IN RECEIVING CHANNES NO RO DOWNSLOPE PROPERTIES, OR A SIGNIFICANT ADVERSE IMPACT TO WETLANDS CAUSED BY INUNDATION OR DECREASE OF FLOW. [MINN. R. 7080]

THE LOUGO GROUPS INSUED AND CONSTRUCT A PERMANENT STORMMATER TREATMENT SYSTEM TO TREAT THE WATER QUALITY VOLUME IF THE PROJECTS ULTMATE DEVELOPMENT REPLACES VEGETATION AND/OR OTHER FERIOUS SURFACES CREATING A NET INCREASE OF ONE (1) OR NORE ACRES OF CUULLATURE IMPERVICUS SURFACES, MENN, R. TONG) 154 PERMITTEES MUST CALCULATE THE WATER QUALITY VOLUME AS ONE (1) INCH TIMES THE NET INCREASE OF IMPERVICUS SURFACES OREATED BY THE PROJECT, IMIN, R. 7090)

UNTRACES OREATED BY THE PROJECT. [MINN. R. 7090] 16.6 PERMITTEES MUST FIRST CONSIDER VOLUME REDUCTION PRACTICES ON-SITE (E.G., INFLITATION OR OTHER) WHEN DESIGNING THE PERMINETE TOTRWATHER THEATNERT SYSTEM. IF THIS PERMIT PROHIBITS INFLITATION AS DESCRIBED IN THEM 15.4 THROUGH ITEM 15.4.1 PERMITTEES MAY CONSIDER A WET SEDIMENTATION BASIN, FILTRATION BASIN OR REGIONAL PROND. THIS PERMIT DOES NOT CONSIDER WET SEDIMENTATION BASINS AND FILTRATION SYSTEMS TO BE VOLUME REDUCTION PRACTICES. [MINN. R. 7080]

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)

INFILTRATION PROHIBITIONS, PENNITTEES MUST DOUMRAT THE REAGONS IN THE PROFESSION AND THE REAL OF THE R

16.8 WHERE THE PROXIMITY TO BEDROCK PRECLUDES THE INSTALLATION OF ANY OF THE PERAMENT STORMWATER TREATHENT PRACTICES REQUIRED BY SECTIONS 15 THROUGH 18, PERMITTEES MUST INSTALL OTHER TREATMENT STORMWATER GRASSED SWALES, SWALLER PONDS, OR GRIT CHAMBERS, PRIOR TO THE DISCHARGE OF STORMWATER TO SURFACE WATERS, MINN, R. 7090]

WATERS, LINKN, R. 700] 15,9 FOR LINEAR PROJECTS WHERE PERINTTEES CANNOT TREAT THE ENTIRE WATER QUALITY VOLUME WITHIN THE EXISTING ROINT-OF-WAY, PERMITTEES MUST MAKE A REASONABLE ATTEMPT TO DBTAIN ADDITIONAL RIGHT-OF-WAY, LASEMENT OR OTHER PERMISSION FOR STORMWATER TREATMENT DURING THE PROJECT PLANNING PROCESS, DOCUMENTATION OF THESE ATTEMPTS MUST BE IN THE SWITTEES CANNOT OBTAIN ADDITIONAL RIGHT-OF-WAY, LASEMENT OR OTHER PERMISSION, DEBCRIBED IN ITEM 156, IF PERMITTEES CANNOT OBTAIN ADDITIONAL RIGHT-OF-WAY, LASEMENT OR OTHER PERMISSION, THEY MUST MAXIMEET THE TREATMENT OF THE WATER QUALITY VOLUME PRIOR TO DISCHARGE TO SURFACE WATERS. [MINN.

10.1.IPPLITAATUM STSTEMS. IMINN.K. 2003] 10.2 INFLITAATON OPTIONS INCLUDE, BUT ARE NOT LIMITED TO: INFLITAATION BASINS, INFLITRATION TRENCHES, RAINWATER GARDENS, BIORETENTION AREAS WITHOUT UNDERDRAMS, SWALES WITH IMPERMEABLE CHECK DAMS, AND NATUBAL DEPRESSIONS, IF PERMITTERS UTLIKE AN INFLITAATION SYSTEM TO MEET THE REQUIREMENTS OF THIS PERMIT, THEY MUST INCORPORATE THE DESION PARAMETERS IN INFLITAATION SYSTEM TO MEET THE REQUIREMENTS OF THIS PERMIT, THEY MUST INCORPORATE THE DESION PARAMETERS IN INFLITAATION SYSTEM IS DESIGNED, INCLUDING THOGE NOT REQUIRED BY THIS PERMIT, IMIN. R. 7080] PERMIT, IMIN. R. 7080]

15.3 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. K. 7090) TEA PERMITTEES MUST NOT EXCAVATE INFILTRATION SYSTEMS TO FINAL GRADE, OR WITHIN THREE (3) FEET OF FINAL GRADE, UNTLI THE CONTRIBUTING DRAINAGE AREA HAS BEEN CONSTRUCTED AND FULLY STABILIZED UNLESS THEY PROVIDE RIGOROUS EROSION PREVENTION AND SEDMENT CONTROLS (S.G., DIVERSION BERMS) TO KEEP SEDIMENT AND RUNOFF COMPLETELY AWAY FROM THE INFILTRATION AREA. (MINN. R. 7090)

IS WHEN EXAMINED THE INFLICTION ONCE USING TO A DATA THE ADAL AND A DATA THE ADAL AND

TABLE JUNKE LE 1993 10.8 PERMITTES MUST USE A PRETREATMENT DEVICE SUCH AS A VEGETATED FILTER STRIP, FOREBAY, OR WATER QUALITY INLET (E.G., ORT CHAMBER) TO REMOVE SOLIDS, FLOATING MATERIALS, AND OL AND OREASE FROM THE RUNOFF, TO THE MAXIMUM EXTERNIT PRACTICABLE, BEFORE THE SYSTEM ROUTES STORWAYTER TO THE INFLINATION SYSTEM, MINK R. 7090]

14.7 PERMITTEES MUST DESIGN INFILTRATION SYSTEMS TO PROVIDE A WATER QUALITY VOLUME (CALCULATED AS AN INSTANTANEOUS VOLUME OF ONE (1) INCH OF RUNOFF, OR ONE (1) INCH MINUS THE VOLUME OF STORMANTER TREATED BY ANOTHER SYSTEM ON THE SITE, FROM THE NET INCREASE OF IMPERVIOUS SUMFACES GRAFED BY THE PROJECT, JMINN. R.

7080] I 68. PERMITTEES MUST DESIGN THE INFILTRATION SYSTEM TO DISCHARGE ALL SYORMWATER (INCLUDING STORMWATER IN EXCESS OF THE WATER QUALITY YOLUME) ROUTED TO THE SYSTEM THROUGH THE UPPERMOST SOIL SURFACE OR ENGINEERED MEDIA SURFACE WITHIN 45 HOURS, PERMITTEES MUST ROUTE ADDITIONAL FLOWS THAT CANNOT INFILTRATE WITHIN 44 HOURS TO EYPASE THE SYSTEM THROUGH A STABILZED DISCHARGE POINT, (MINR, TAG6)

16.9 PERMITTEES MUST PROVIDE A MEANS TO VISUALLY VERIFY THE INFILTRATION SYSTEM IS DISCHARGING THROUGH THE SOIL SUBFACE OR FILTER MEDIA SURFACE WITHIN AS HOURS OR LESS. MINN. 3. TORM

16.10 PERMITTEES MUST PROVIDE AT LEAST ONE SOIL BORING, TEST PIT OR INFILTROMETER TEST IN THE LOCATION OF THE INFIL TRATION PRACTICE FOR DETERMINING INFIL TRATION RAFER, IMINN, R. 70001

INTICIDATION FRANTICE FOR DELEMBINING INFILITATION NATES. (INTICIDATION AT A UND 1611 FOR DESIGN PURPOSES, PERMITTES MUST FOIDE FIELD MASURED INFILTATION RATES BY 2 AS A SAFETY FACTOR OR PERMITTES CAN USE SOIL-BONING RESULTS WITH THE INFILTRATION RATE CHART IN THE MINESCAT STORMWATER MANUAL TO DETERMINE DESIGN INFILTATION RATES. WHEN SOIL BONINGS INDICATE TYPE A SOILS, PERMITTES SHOULD PERFORM FIELD MEASUREMENTS TO VERIFY THE RATE IS NOT ABOVE 3. INCHES PER HOUR. THIS PERMIT PAGNIBITS INFILTATION IN THE FIELD MEASURED INFILTATION RATE IS ADVE 3. INCHES PER HOUR. THIS PERMIT PAGNIBITS INFILTATION IN THE FIELD MEASURED INFILTATION RATE IS ADVE 3. INCHES PER HOUR. THIS PERMIT PAGNIBITS INFILTATION IN THE FIELD MEASURED INFILTATION RATE IS ADVE 3. INCHES PER HOUR. THIS PERMIT PAGNIBITS INFILTATION IN THE FIELD MEASURED INFILTATION RATE IS ADVE 3. INCHES PER HOUR. THIS PERMIT PAGNIBITS INFILTATION IN THE FIELD MEASURED INFILTATION RATE IS ADVE 3. INCHES PER HOUR. THIS PERMIT PAGNIBITS INFILTATION IN THE FIELD MEASURED INFILTATION RATE IS ADVE 3. INCHES PER HOUR. THIS PERMIT PAGNIBITS INFILTATION IN THE FIELD MEASURED INFILTATION RATE IS ADVE 3. INCHES PER HOUR. THIS PERMIT PAGNIBITS INFILTATION IN THE FIELD MEASURED INFILTATION RATE IS ADVE 3. INCHES PER HOUR. THIS PERMIT PAGNIBITS INFILTATION INFILTATION INFILMENT AND REAS ADVE 3. INCHES PER HOUR. THIS PERMIT PAGNIBITS INFILTATION INFILTERION PAGNIBITS INFILTATION REAS ADVE 3. INCHES PER HOUR. THIS PERMIT PAGNIBITS INFILTATION PAGNIBITS INFILTATION PAGNIBITS INFILTATION PAGNIBITS INFILTATION PAGNIBITS INFILTATION PAGNIBITS INFILTER PERMIT PAGNIBITS INFILTATION PA

18.12 PERMITTEES MUST EMPLOY APPROPRIATE ON-SITE TESTING ENSURE A MINIMUM OF THREE (3) FEET OF SEPARATION FROM THE SEASONALLY SATURATED SOILS (OR FROM BEDROCK) AND THE BOTTOM OF THE PROPOSED INFILTRATION

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

UNITAL A COMPARIMENT OF A COMPARIMENT OF A CONSTRUCTING INFILTRATION SYSTEMS THAT RECEIVE RUNOFF FROM YENICLE FUELING AND MAINTENANCE AREAS INCLUDING CONSTRUCTION OF INFILTRATION SYSTEMS NOT REQUIRED BY THIS PERMIT, ININ, R. 7800]

FERMIL, MINING, R., 1000 (16.15 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS WHERE INFILTRATING STORAWATER MAY MOBILIZE HIGH LEYELS OF CONTAMINANTS IN SOIL. OR GROUNOWAYER, PERMITTEES MUST EITHER COMPLETE THE MEYCA'S CONTAMINATION SCREENING CHECKLIST OR CONDUCT THER OWN ASSESSMENT TO DETERMINE TH SUITABILITY FOR INFILTRATION, PERMITTEES MUST RETAIN THE CHECKLIST OR ASSESSMENT WITH THE SWY ASSESSMENT TO DETERMINE TH INFORMATION AND TO ACCESS

NFORMATION AND TO JAULEDS INE MEVAS VOIDAMENTATIONS OF A CONSTRUCTING INFILTRATION SYSTEMS IN AREAS WHERE SOIL 18.16 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS IN AREAS WHERE SOIL INFILTRATION RATES ARE FILD MEASURED AT MORE THAN 8.3 INCHES PER HOUR UNLESS THEY AMEND SOLLS TO SLOW THE INFILTRATION RATE BELOW 5.3 INCHES PER HOUR, MINN. R. 7000]

INTELLIANTION RATE BELOWD 5.3 INCREE FEB TOUR UMMAR. A 1999 (3) FEET OF SEPARATION DISTANCE FROM THE BOTTOM OF THE INFLITATION SYSTEMS IN AREAS WITH LESS THAN THREE (3) FEET OF SEPARATION DISTANCE FROM THE BOTTOM OF THE INFLITATION SYSTEM TO THE ELEVATION OF THE SEASONALLY SATURATED SOLIS ON THE TOP OF BERORCE, (MINK R. 7960)

16.19 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS WITHIN A DRINKING WATER SUPPLY MANAGEMENT AREA (DYSMA) AS DEFINED IN MINN R. 472.05100, 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

CALCUTENENT OF LIER AND TO FRAVENT AUVERSE MINACTS TO GROUNDRWATER; OR C. DUTSIGE OF AN ERA WITHIN A DYBMA CLASSIFIED AS AVMON HIGH OR VERY HIGH VULNERABILITY, UNLESS A REGULATED MSJ FERMITTEF PERFORMED OR APPROVED A HIGHER LEVEL OF ENGINEERING REVIEW SUFFICIENT TO PROVIDE A LINCTIONING TREATMENT SYSTEM AND TO PREVENT ADVERSE IMPACTS TO GROUNDWATER. SEE "HIGHER LEVEL OF ENGINEERING REVIEW" IN THE MINNESOTA BTORWATER MANUAL FOR MORE INFORMATION, (MIKN, R. 1960)

7090) 1620 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS IN AREAS WITHIN 1,000 FEET UPGRADIENT OR 100 FEET DOWNORADIENT OF ACTIVE KARST FEATURES, MINN, R. 7090) 1621 THIS FERMIT FROHINGTS FEMILTEES FROM CONSTRUCTING INFILTRATION SYSTEMS IN AREAS THAT RECEIVE RUNOFF FROM THE FOLLOWING INDUSTRAL FAOILITIES NOT AUTHORIZED TO INFILTRATE STORMWATER UNDER THE APDES STORWATER FERMIT FOR INDUSTRAL FAOILITIES AUTOMOBILE SALVAGE YARDS; SGRAF RECOLING AND WASTE RECYCLING FACILITIES, MAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES; OR AIR TRANSPORTATION FACILITIES THAT CONDUCT DECING ACTIVITIES, MINN, R. 7090]

16.19 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTULATION FILTRATION SYSTEMS IN AREAS OF PREDOMINATELY HYDROLOGIC SOIL GROUP TYPE D SOILS (CLAY). IMINN. R. 7090]

AS DEFINED BY THE MININESULA DEFARIMENT OF REPAILING OF BALING NER AWATTINIA DIVISIA 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 D REVENT ADVERSE IMPACTS TO OROUNDWATER; OR

17.1 FILTRATION SYSTEMS. IMINN. R. 7090] II.1 FLINATION OF DEFINIS, MINUNA, LINNE II.2 FLITATION OPTIONS INCLUDE, BUT ARE NOT LIMITED TO: SAND FILTERS WITH UNDERDRAINS, BIOFILITATION 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 THIT INEW 17.5 THROUGH 17.11, [MIN. R. 7060]

17.4 PERMITTERS MUST ON TRADUID INTERNATION OF ONE BERMS TO KEEP BOILINGT AND INTERNATIONAL PROVIDENT OF A DESTINATION AND BEDIMENT CONTROLS (E.G., DIVE BERMS TO KEEP BEDIMENT AND RUNDEF COMPLETELY AWAY FROM THE FILTRATION AREA, LININ, R. 7060) 17.4 PERMITTERS MUST DESIGN FILTRATION SYSTEMS TO REMOVE AT LEAST 10 PERCENT OF TSS. (MINN, R. 7060)

TA'S PERMITTEES MUST USE A PRETREATMENT DEVICE SUCH AS A VEGETATED FILTER STRIP, SMALL SEDIMENTATION WATER QUALITY INLET, FOREBAY OR HYDRODYNAMIC SEPARATOR TO REMOVE SETTLEABLE SOLIDS, FLOATING MAT AND DILS AND GREASE FROM THE RUNOFF, TO THE MAXIMUM EXTENT PRACTICABLE, BEFORE RUNOFF ENTERS THE FILTRATION SYSTEM. (MINN. R. 7080)

FILTRATION SYSTEM, MINN, K. 7000 17.8 PERMITTES MUST DESION ELITRATION SYSTEMS TO TREAT A WATER QUALITY VOLUME (CALCULATED AS AN INSTANTANEOUS VOLUME) OF ONE (1) INCH OF RUNOFF, OR ONE (1) INCH MINU'S THE VOLUME OF STORWAYTERSATED BY AUDITIER SYSTEM ON THE SITE, FROM THE NET INCREASE OF INFERVIOUS SUPERCES CREATED BY THE FROLECT, MINN, R.

1/96) 17.7 PERMITTEES 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 ENGINEERED MEDIA SURFACE WITHIN 48 HOURS, ADDITIONAL FLOWS THAT THE SYSTEM CANNOT FILTER WITHIN 48 HOURS MUST EYYASST THE SYSTEM OR DISCHARGE THROUGH AN EMERGENCY OVER-LOW, JUNN, R. 7000] NOST SOIL SURFACE OR 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 46 HOURS. [MINN. R. 7090]

17.9 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

17.10 PERMITTEES MUST ENBURE THAT FILTRATION SYSTEMS WITH LESS THAN THREE (3) FEET OF SEPARATION BETWEEN BEASONALLY 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]

BETWEEN THE SEASON SYSTEM, IMINN, R. 7090

18.2 PERMITTEES USING A WIET 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. 7090) OF THIS PERMIT WAS INVOLVED THE DASING PROVIDE THE MAIL TO THE USE THROUGH DELETED AND THE OWNER THE DASING THE BASIN TO THE BASIN THE ADAIN TO THE DASIN, THE BASING PROVIDE TO AND THE CONTRACT OF THE DASING THE BASING T

BASIN TO MINIMZE SCOUR OR RESUBPLASION OF SOLDBS. JMINN. R. 709] 184 FERNITESE MUST DESIGN THE BASIN TO PROVIDE LUS STORAGE FOR A WATER QUALITY VOLUME (CALCULATED AS AN INSTANTANEOUS VOLUME) OF ONE (1) INCH OF RUNDFF, OR ONE (1) INCH MINUS THE VOLUME OF STORMWATER TREATED BY ANOTHER SYSTEM ON THE GITE, FROM THE NET INCREASE IN IMPERVIOUS SUBFACES ORGENED BY THE PROLECT. JMINN. R.

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]

18.6 PERMITTEES MUST DESIGN BASIN OUTLETS TO PREVENT SHORT-CIRCUITING AND THE DISCHARGE OF FLOATING DEBRIS, DAVID, OTHER MUST DESIGN BASIN OUTLETS TO PREVENT SHORT-CIRCUITING AND THE DISCHARGE OF FLOATING DEBRIS, 18.7 PERMITTEES MUST DESIGN THE BASIN'S TO INCLUDE A STABILIZED EMERGENCY OVERFLOW TO ACCOMMODATE STORM. FVPNTS IN EXCESS OF THE BASIN'S HYDRAULIC DESIGN. (MINN. R. 7000)

18.8 PERMITTEES MUST DESIGN & MAINTENANCE ACCESS, TYPICALLY EIGHT (8) FEET WIDE, FOR THE BASIN. [MINN. R. 7080] 18.9 PERMITTEES MUST LOCATE BASINS OUTSIDE OF SURFACE WATERS AND ANY BUFFER ZONE REQUIRED IN THE 23.11. PERMITTEES MUST DESIGN BASINS TO AVOID DRAWING WATER FROM WETLANDS UNLESS THE IMPACT TO THE WETLAND COMPLIES WITT HE REQUIREMENTS OF SECTION 22. [MINN. R 700]

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

19.1 REGIONAL WET SEDIMENTATION BASINS, IMINN, R, 7090]

19.1 REGIONAL WET SEDIMENTATION BASINS, IMINN. R. 7980] 13.2 WHEN THE ENTIRE WATER QUALITY YOLUME 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 USE OA SREGIONAL BASINS MUST BE MITIGATED FOR, SEE SECTION 22, THE OWNER MUST ENSURE THE REGIONAL BASIN CONFORMS TO ALL REGULIREMENTS FOR A WET SEDIMENTATION BASIN, AS DESORBED IN TEMB 18. INFLORME IS, NOT MUST FOR THE REGULIREMENTS FOR A WET SEDIMENTATION BASIN, AS DESORBED IN TEMB 18. INFLORME IS, NOT MUST FOR THE REGULIREMENTS FOR A WET SEDIMENTATION BASIN, AS DESORBED IN TEMB 18. INFLORME IS, NOT MUST FOR THAT THE REGULIRE DASIN WITH DISCHARGE AT NO MORE THAN IS OF THE ACRE OF SUBFACE AREA OF THE BASIN AND MUST FROVIDE A LIVE STORAGE VOLUME OF DAVE INVENTIONES ALLT HE IMPERVIOUS AREA DRAINING TO THE BASIN. FLERMITTEMS CANNOT SIGNIFICATION THE APPLICABLE LGU OR PRIVATE ENTITY THAT OWNS AND MAINTENT THE REGIONAL BASIN, MUST AND THE APPLICABLE LGU OR PRIVATE ENTITY THAT OWNS AND MAINTENT THE REGIONAL BASIN, MUST AND THE APPLICABLE LGU OR PRIVATE ENTITY THAT OWNS AND MAINTENT THE REGIONAL BASIN, MUST AND THE APPLICABLE LGU OR PRIVATE ENTITY THAT OWNS AND MAINTENT THE REGIONAL BASIN, MUST AND THE APPLICABLE LGU OR PRIVATE ENTITY THAT OWNS AND MAINTENT THE REGIONAL BASIN, MUST AND THE APPLICABLE AND THE APPLICABLE AND THE SECONDER THE APPLICABLE AND THE SECONDE A LIVE STORAGE VOLUME OF DAVE INCOMENTATION FOR THE APPLICABLE AND THE SECONDER APPLICABLE APPLICABLE AND THE SECONDE A LIVE STORAGE VOLUME OF DAVE INCOMENTATION FOR THE APPLICABLE APPLICABLE AND THE SECONDE A LIVE STORAGE VOLUME OF THE APPLICABLE AND THE SECONDE APPLICABLE APPLICABLE APPLICABLE ADDITY APPLICABLE AND THE SECONDE APPLICABLE APPLICABLE ADDITY APPLICABLE APPLICABLE ADDITY APPLICABLE APPLICABLE ADDITY AP

20.1 SWPPP AVAILABILITY. (MINN. R. 7090)

20.2 PERMITTEES MUST KEEP THE SWEPP, 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, JUNIN, R 7090]

21.1 TRAINING REQUIREMENTS, MINN, R. 70901

2 PERMITTEES NUST ENGURATED OF THE FOLLOWING INDIVIDUALS RECEIVE TRAINING AND THE CONTENT AND EXTENT OF E TRAINING IS COMMENSURATE WITH THE INDIVIDUAL'S JOB DUTIES AND RESPONSIBILITIES WITH REGARD TO ACTIVITIES VERED UNDER THIS FEMALT:

A. INDIVIDUALS PREPARING THE SWPPP FOR THE PROJECT.

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 WITTIN 72 HOURS UPON REQUEST PY THE MPCA.

C. INDIVIDUALS PERFORMING OR SUPERVISING THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS. [MINN. R. 7080] 21.1 PERMITTEES MUST ENJOYEN STUTUTE THE THE INTIALATION, MANIL EMANCE AND REPAIR OF BMPS, MINN. R. 7080] 21.1 PERMITTEES MUST ENJOYEN HONDIOLAS IDENTIFIED IN SECTION 21 RECEVET TRAINIG RAOL LOCAL, STATE, FEDERAL AGENCIES, PROFESSIONAL ORGANIZATIONS, OR OTHER ENTITIES WITH EXPERTISE IN ENGSION PREVENTION, SIGNIFIED AND CONTROL, PERMINENT STORAMMATER TREATMENT AND THE MINIESTOR A INPESSIOS ONSTRUCTION STORMWATER FERAIN PERMITTEES MUST ENSURE THESE INDIVIDUALS ATTEIND A REFRESHER-TRAINING COURSE EVERY THREE (3) YEARS. [MINN. F 7090]

24.1 GENERAL PROVISIONS. (MINN, R. 7090)

ACTIVITY REQUIREMEN

24.2 IF THE MPCA DETERMINES THAT AN INDIVIDUAL PERMIT WOULD NORE APPROPRIATELY REGULATE THE CONSTRUCTION ACTIVITY, THE MPCA MAY REQUIRE AN INDIVIDUAL PERMIT TO CONTINUE THE CONSTRUCTION ACTIVITY, COVERAGE UNDER THIS GENERAL REMIT WILL REMAIN IN EFFECT UNTIL THE MPCA ISSUES AN INDIVIDUAL PERMIT, MIN. R. 7051,2216, SUBP. 6] 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, 8, IMINN, R, 7001.0210, SUBP, 8] 24.4 ANY INTERESTED PERSON MAY PETITION THE MPCA TO REQUIRE AN INDIVIDUAL NPDESISDS PERMIT IN ACCORDANCE WITH 40 CFR 122.28(B)(3), (40 CFR 122.28(B)(3)]

24.8 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]

THE APPLICABLE REQUIREMENTS OF ITEM 3.7 AND 3.8. (MINN, R. 7080) 2.4.7 NOTHING IN THIS PERMIT MUST BE CONSTRUED TO RELIEVE THE PERMITTEES FROM CVII. OR CRIMINAL PERMITTIES FOR ONCOMPLICATE REQUIREMENTS OF ITEM 3.4.7 CONTORS PROVIDED HERRIN, NOTHING IN THIS PERMIT MUST BE CONSTRUED TO ONCOMPLICATE WITH THE TERMS AND CONTORS PROVIDED HERRIN, NOTHING IN THIS PERMIT MUST BE CONSTRUED TO PRECLUDE THE INITIATION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEESOF SECTION 3.1 OF MILE THE RELIEVE THE INITIATION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEESOF SECTION 3.1 OF THE CLEAN WATER ACT ON POINT THE INITIATION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEESOF SECTION 3.1 OF THE CLEAN WATER ACT ON POINT THE INITIATION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEESOF SECTION 3.1 OF THE CLEAN WATER ACT ACTIVITIES OCCURENDS ON THOSE PORTIONS OF A SITE WHERE THE PERMITTEES ARE NOT LUBLE FOR PERMIT 3.8 REQUIRED IN TEM 3.7 OR THIS PERMIT ARE SEVERABLE. IF ANY PROVISION OF THIS PERMIT ON THE APPLICATION OF A SITE 7.600 THIS PERMIT TO ANY CIRCUMSTANCES IS VIELD INVALUE. THE APECUATION OF THE SHICH ALMONGEN, AND THE REQUIRED ON THIS PERMIT THE SERVITIES AND SUBMITTED THE YOT AS REQUIRED IN SUCH PROVISION TO THE APPLICATION OF ANY PROVISION OF THIS PERMIT TO ANY CIRCUMSTANCES IS VIELD INVALUE. THE APPLICATION OF SHICH PERMIT ON THE APPLICATION OF ANY PROVISION OF THIS PERMIT TO ANY CIRCUMSTANCES IS VIELD INVALUE. THE APPLICATION OF SHICH PERMIT ON THE APPLICATION OF THE PERMIT THE SECONS AND THE APPLICATION OF THE PERMIT THE SECONS AND THE PERMIT AND THE APPLICATION OF THE SHICH PERMIT AND AND AND THE APPLICATION OF ANY PROVISION OF THIS PERMIT TO ANY CIRCUMSTANCES IS VIELD INVALUE THO THE APPLICATION OF SHICH PERMITION THE APPLICATION OF ANY PROVISION OF THIS PERMIT TO ANY CIRCUMSTANCES IS VIELD INVALUE TO THE PERMIT THEORY. (MINN, R. 7080]

24.9 THE PERMITTEES MUST COMPLY WITH THE PROVISIONS OF MINN. R. 7001.0150, SUBP. 3 AND MINN. R. 7001.1080, SUBP. 1(A), 1(B), 1(C), 1(H), 1(J), 1(J), 1(N, AND 1(L), MINN. R. 7000]

2.4.1 FOR THE PURPOSES OF MINN. R. 7930 AND OTHER DOCUMENTS THAT REFERENCE SPECIFIC SECTIONS OF THIS PERMIT. "STORMWATER DISCHARGE DESIGN REQUIREMENTS" CORRESPONDS TO SECTIONS 5, AND 14 THROUGH 21; "CONSTRUCTION ACTIVITY REQUIREMENTS" CORRESPONDS TO SECTIONS THAT WOUGH 3; AND "APPENDIX A" CORRESPONDS TO SECTIONS 22



PROJECT NAME HIDDEN FOREST FAST THIRD ADDITION

PROJECT LOCATION ** NO ASSIGNED ADDRESS ** NORTH OF 175TH AVE NE @ PACKARD ST NE (FAST OF LEXINGTON AVE NE) HAM LAKE, MN 55304 ANOKA COUNTY LATITUDE: 45.4111

DEVELOPER HFN PROPERTIES, LLC 17404 WARD LAKE DR NW ANDOVER, MN 55304

CONTACT NAME: JEFF STALLBERGER CONTACT PHONE: (612) 779-1471 CONTACT E-MAIL: stally88@msn.com

GENERAL CONTRACTOR

NARRATIVE - PERMANENT STORMWATER TREATMENT SYSTEMS THERE WILL BE SEVERAL BUPS TO HANDLE STORMWATER RUN-OFF, INCLUDING INFILTRATION BASINS AND NURP PONDS, SEE "STORMWATER DRAINAGE REPORT" FOR FURTHER DISCUSSION AND WIFFINIATION

SITE IMPERVIOUS AREAS

	BEFORE	AFTER
TOTAL SITE AREA	100± /	ACRES
TOTAL ESTIMATED IMPERVIOUS	4.3 ACRES	13.8 ACRES
TOTAL ESTIMATED PERVIOUS	9.3 ACRES	86.4 ACRES

TOTAL DISTURBED AREA

~45.5 ACRES THE PROJECT WILL BE PHASED SO THERE WILL NOT BE GREATER THAN 50 ACRES OF DISTURBED AREA AT ANY ONE TIME.

SITE MAP W/ EXISTING AND FINAL GRADES AND DESIGN CALCULATIONS

LE INC. IN LOSSING AND FINAL DISABILITY FOR EXISTING AND PROPOSED AREA MAPS, SEE "STORWATER DRAINAGE REPORT FOR EXISTING AND PROPOSED AREA MAPS, DENOTING DRAINAGE AREA BOUNDARIES, DIRECTIONS OF FLOW, AND DISCHARGE POINTS WHERE STORWATER LEAVINGS THE SITE.

RECEIVING WATERS WITHIN ONE MILE

NAME OF WATER BODY	TYPE OF WATER BODY	SPECIAL WATER	WATER
UNNAMED WETLANDS	WETLAND	NO	NO
UNNAMED DITCH	DITCH	NO	NO
COUNTY DITCH NO. 44	DITCH	NO	NO
UNNAMED PWI	WETLAND	NO	NO
COON CREEK	CREEK	NO	YES

BUFFER TO SURFACE WATER

PER NO N/A THE SURFACE WATER PRESERVED?

- THE SURFACE WATER PRESERVED? NOTE: NATURE BUFFERS ARE NOT REQUIRED ADJACENT TO ROAD DITCHES, JUDICIAL DITCHES, COUNTY DITCHES, STORMWATER CONVEYANCE CHANNELS, STORM DRAIN INLETS, AND SEDIMENT BASINS. A) THERE ARE NUMEROUS WETAINSS ON THE SITE FROM WHICH A SO-FT NATURAL BUFFER CANNOT BE PRESERVED. REDUNDANT SEDIMENT CONTROL MEASURES ARE FROVINGED IN THOSE LOCATIONS.

TEMPORARY SEDIMENTATION BASINS

- IF TEN (10) OR MORE ACRES OF DISTURBED SOIL DRAIN TO A COMMON
 LOCATION, IS A TEMPORARY SEDIMENT BASIN PROVIDED FOR TREATMENT OF
 YES NO NA
 THE RUNOFF BEFORE IT LEAVES THE CONSTRUCTION SITE OR ENTERS
 SURFACE WATENS?
 - A) BECAUSE THIS SITE IS WITHIN ONE (1) MILE OF AN IMPAIRED WATER. THE REQUIREMENT BECOMES FIVE (5) ACRES. THE CONTRACTOR WILL PROVIDE TEMPORARY SEDIMENTATION BASINS IF FIVE (5) OR MORE ACRES OF DISTURBED SOIL DRAIN TO A COMMON LOCATION.

INFILTRATION FEASIBILITY

- YES NO NA THROUGH 16.21? A) THE SITE HAS A HIGH SEASONAL WAYER TABLE SO INFILTRATION IS NOT FEASIBLE IN ALL LOCATIONS,

ADDITIONAL STORMWATER MITIGATION MEASURES

- YES NO . ENVIRONMENTAL DEVICE DOCIDENTS
 - ENVIRONMENTAL REVIEW DOCUMENT? ENDANGERED SPECIES REVIEW?
 - ARCHAROLOGICAL REVIEW?
 - OTHER LOCAL, STATE OR FEDERAL REVIEW?
 - UIDER LOVAL, STATE OK FEDERAL REVIEWY
 I'YES TO ANY OF THE ABOVE, DESCRIBE THE MITIOATION MEASURES, FOR PURPOSES OF THIS PERAIT, MITIOATION MEASURES MEANS ACTIONS NECESSARY TO AVOID, MINIMEL, ON MITIGATE FOR IMPACTS RELATED TO EROSION PREVENTION, SEDIMENT CONTROL, THE FEBMANENT STORMWATER TREATMENT SYSTEM, POLLUTION PREVENTION MANAGEMENT MEASURES AND DISCHARGES ASSOCIATED WITH THE PROJECT'S CONSTRUCTION ACTIVITY, IMMIN. R, 7080]

0000	MENTATION OF TROATED INDIVIDUALS
A	INDIVIDUAL WHO PREPARED THE SWPPP:
	ADAM GINREL PLOYE ENGINEERING, INC. 8776 LAXE DRIVE LING LAXEE BN 55014 (851) 341-8234 adam@plows.com
В,	INDMOUAL(S) OVERSEEING IMPLEMENTATION OF, REVISING AND/OR AMENDING THE SWPPP AND INDMOUALS PERFORMING INSPECTIONS FOR THE PROJECT, ONE OF THESE INDMIDUALS MUST BE AVAILABLE FOR AN ONSITE INSPECTION WITHIN 72 HOURS UPON REQUEST SY THE MPGA. IMIN.N.R. 7000]

NAME COMPANY ADDRESS 1 THE THE - WHEN INFORMATION BECOMES AVAILABLE, CONTRACTOR TO PROVIDE INFORMATION TO CITY OF HAM LAKE AND CCWD & UPDATED SWPPP ACCORDINGLY ADDRESS 2 PHONE EMAIL

C. INDIVIDUAL(8) PERFORMING OR SUPERVISING THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS. [MINN. R. 7090]

NAME	
COMPANY ADDRESS 1	TBD - WHEN INFORMATION BECOMES AVAILABLE, CONTRACTOR TO PROVIDE
ADDRESS 2	 INFORMATION TO CITY OF HAM LAKE AND CCWD & UPDATED SWPPP ACCORDINGLY
PHONE	 COND & OFDATED SWFFF ACCORDINGLY

LONG TERM OPERATION AND MAINTENANCE OF PERMANENT STORMWATER FACILITIES THE PROPOSED STORNWATER MANAGEMENT FEATURES FOR THIS SITE INCLUDES INFILTRATION BASINS AND STORNWATER PONDS - THESE WILL BE OPERATED AND MAINTAINED BY THE CITY OF HAM LAKE.

REVEGETATION SPECIFICATIONS

ITEM	MNDOT SPECIFICATION/NOTES
SOD	3878
SEED **	3876
* FOR TURF ESTABLISHMENT COMMERCIAL TU RESIDENTIAL TU	
TEMPORARY FALL COV SPRING/SUMM SOIL-BUILDING COV 1-2 YEARS COV 2-5 YEARS COV	ER MNDOT MIX 21-111 (100 LBS/ACRE) ER MNDOT MIX 21-113 (110 LBS/ACRE) ER MNDOT MIX 22-111 (30.5 LBS/ACRE)
MULCH	3682 (TYPE 1 - DISC ANCHORED)
HYDROMULCH	3864
FERTILIZER	3681
WOOD FIBER BLANKET	3885 (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 EROSION.

QUANTITIES - ESTIMATED QUANTITIES FOR EROSION AND SEDIMENT CONTROL MEASURES

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

NARRATIVE - TIMING FOR INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES

- ACOPY OF THE APPROVED EROSION AND SEDIMENT CONTROL MEASUREE
 A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND SWPPP MUST BE AVAILABLE ON THE PROJECT SITE AT ALL THES.
 CONTRACTOR SHALL MATALL SILT FENCE AS SHOWN ON PLAN.
 ADDITIONAL SILT FENCE MAY BE INCIGATED AND SEDIMENT CONTROL PLAN AND SWPPP MUST BE AVAILABLE ON THE PROJECT SITE AT ALL THES.
 CONTRACTOR SHALL MATALL SILT FENCE, INCLUDING THE REMOVING 2.3. EIT ENCE SHALL INSTALL A DIA MANTAN SILT FENCE, INCLUDING THE REMOVING 2.3. SILT FENCE SHALL REAMIN INPUT ACCOUNT SITE AND SHOWN OT THE REMOVING 2.4. THE CONTRACTOR SHALL MANTAN SILT FENCE, INCLUDING THE REMOVING 2.5. CONTRACTOR SHALL REAMIN INPUT ACCOUNTS SITE AND SEEN STABLIZZON.
 CONTRACTOR SHALL REFORM SITE GRACHTIC SITE AND SEEN STABLIZZON.
 CONTRACTOR SHALL REFORM SITE GRACHING ON AN AREA BY AREA BASIS TO MINIMIZE UNSTABLIZED AREAS.
 CONTRACTOR SHALL PREPROM SITE GRACHING ON AN AREA BY AREA BASIS TO MINIMIZE UNSTABLIZED AREAS.
 CONTRACTOR SHALL PREPROM SITE GRACHING ON AN AREA BASIS TO MINIMIZE UNSTABLIZED AREAS.
 CONTRACTOR SHALL PREPROM SITE GRACHING ON AN AREA BASIS TO MINIMIZE UNSTABLIZED AREAS.
 CONTRACTOR SHALL PROFINE ON A DESCRIPTION OF ERENTS THE STABLIZZATION WITHIN SEVEN (TO CALENDAR DAYS AFTER THE CONTRACTOR ON AND AREAS AS DESCRIBED IN ITEM 54 OF THE PERMIT, AND COMPLETE THE STABLIZZATION WITHIN SEVEN (TO CALENDAR DAYS AFTER THE CONTRUCTON ACTIVITY IN THAT PORTION OF THE SITE TEMPORABILY OR PERMANENTLY CEASES.
- CEASES. 5.2. CONTRACTOR TO PROVIDE TEMPORARY SEDIMENTATION BASINS AS REQUIRED IN SECTION 14.1 THROUGH 14.10.
- 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 ANEAS PREVENT MIGRATION OF SEDIMENT ONTO ADJACENT PROPERTIES 7. ALL EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS OR IMPLEMENTED IN THE FIELD SHALL BE IN ACCORDANCE WITH THE CITY AND NPDES
- PHASE II PERMIT REQUIREMENTS. 8. CONTRACTOR TO PROVIDE ADDITIONAL SILT FENCE, BIOROLLS, EROSION CONTROL BLANKET, OR OTHER APPROVED EQUAL FOR ANY SLOPES THAT APPEAR TO BE
- PALANCE, UNIT OF THE REPORT OF

- HINEDATELY 10. CONTRACTOR BHALL FINAL GRADE SWALE AREAS UPON STABILIZATION OF UPSTREAM AREAS. 11. CONTRACTOR SHALL BE RESPONSIBLE TO SWEEP/SCAPE ADJACENT STREETS WHEN MATERIALS OR DEBRIS HAVE WASHED/FLOWED ONTO ADJACENT STREETS OR AS DIRECTED BY CITY 12. COORDINATE SMALL UTLINES INSTALLATIONS (GAS, PHONE, ELECTRIC, CABLE, FIBEROPTIC, ETC) AFTER CURB & GUTTER INSTALLATIONS

IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL APPLY FOR A MN DNR DEWATERING PERMIT AND PROVIDE WELL-FIELD LOCATIONS, RATES, DISCHARGE LOCATIONS, SCHEDULE AND QUANTITIES TO COWD A MINIMUM OF SEVEN (7) DAYS PRIOR TO DEWATERING OPERATIONS

NODEO	DECIMITIONS
NPUES	DEFINITIONS

"BEST MANAGEMENT PRACTICES (BMPS)" MEANS THE MOST EFFECTIVE AND PRACTICALLE MEANS OF EROSION PREVENTION AND SEDIMENT CONTROL, AND WATER CULLITY MANAGEMENT PRACTICES THAT ARE THE MOST EFFECTIVE AND PRACTICABLE MEANS OF TO CONTROL, PREVENT, AND MINIMUZE DEGRADATON OF SURFACE WATER, NELLUDING ADDIANCE OF IMPACTA, CONSTRUCTON-PHASING, MINIMUZING THE LENGTH OF THE SOLL AREAS ARE EXPOSED, PROVINTION-PHASING, MINIMUZING THE LENGTH OCOD HOUSEKEPINO, AND CITHER MANAGEMENT PRACTICES PUBLISHED BY STATE OR DEBIGNATED AREA/WIDE PLANNING AGENCIES, [MINN, R. 7090]

U DESIGNAUED AREA WIDE PLAINING AGENCIES, [ILLINI, K. 7690] CONSTRUCTION ACTIVITY MARKING AGENCIES, [ILLINI, K. 7690] CONSTRUCTION ACTIVITY MARKING ACTIVITIES (ILLILINIO) CLASHING, GRADING, AND EXCANATING, THAT RESULT IN LAND DISTURBANCE OF LESS (ILLILILINIO) CLASHING, GRADING, AND EXCANATING, THAT RESULT IN LAND DISTURBANCE OF LESS (ILLILILINIO) CLASHING, GRADING, AND EXCANADING THE DISTURBANCE OF LESS THAN DISK AGENCIE OF EQUAL TO OR GREATER THAN ON AREA THAT IS PART OF A LANGER COMMON FLAN OF DEVELOPMENT OR SALE IF THE LARGER COMMON FLAN UNL LUTHARTY DISTURB EQUAL TO OR GREATER THAN ONE AGENC EXCANDOR FLAN THAT RESULT IN LAND DISTURBANCE OF LESS THAN PICK AGENCIES NCLIDES A DISTURBANCE TO THE LAND THAT RESULTS IN A CHANGE IN THE EXCESSION OF LOSS OF DISTURBANCE OF COMMON FLAN THAT OR THE EXCESSION OF COMPANY AND AND THAT ANY RESULT IN A COLLEARTS RUNOFF THAT MAY LEAD TO SOLL EROSION AND MOYEMENT OF SEDIMENT. CONSTRUCTION ACTIVITY DOES INTINCLIDAGE ADJUSTICASANCE FERFORMED TO MAINTAIN THE ONIGINAL LINE AND GRADEL HYDRAULD CONSACTIV, AND CORIGINAL FURFORE OF THE FLAND OF THE LINE ALD DESS TON INCLIDE ADJUSTICASANCE FERFORMED TO MAINTAIN THE ONIGINAL LINE AND CARDEL HYDRAUDE ON DISTURBANCE OF ERFORMED TO MAINTAIN THE ONIGINAL INCLOBEL HYDRAUGE OF DISTURBANCE OF THE LIND OF CHIES THAN PICK ACRES FOR THE FURFORE OF TOTUTINE MAINTENANCE FERFORMED TO MAINTAIN THE ONIGINAL INCLOBENCE INTO THAT DOES TO THE UNDER OF THE FAND OF THE REPLACEMENT AND OTHER TYPES OF HON-ROUTHE MAINTENANCE, PAREMENT REPLACEMENT AND OTHER TYPES OF HON-ROUTHE MAINTENANCE, DATEMENT REPLACEMENT AND OTHER TYPES OF HON-ROUTHE MAINTENANCE, DATEMENT REPLACEMENT AND OTHER TYPES OF HON-ROUTHE MAINTENANCE, PAREMENT THEMABILITATOR THAN TO BEN THEN THE KONLO DE OTHER THAN ONE ADDITION OTHER AND THER THEN THEN REPLACE OR THE REPLACE ON THE TO DATE TO DISTING THE MORE DATE TO DISTURB THE MAINTENANCE DATE TO DATA DISTING DEVANTERING THE MEANT THE REVANCE OR THE REVELON THAT DO THAN TON THE TO AND THE AND THE AND THE AND THE TO TH

OFENCE FROMEWER (IN ON UNER NOUTRAN OF BUT ACCOR ROUND AWARER TO DRY AND/OR DEWATERING'S MEANS THE REMOVAL OF BUT ACCOR ROUND AWARER TO DRY AND/OR BOLIDIY'A CONSTNUCTION RITE TO ENABLE CONSTNUCTION ACTIVITY. DRVATERING AWA REQUIRE A MINIBEOTA DEPARTMENT OF ARTURAL RESOURCES WAREA OF BUT AND PERMIT AND, IF DEWATERING WATER IS CONTAINLATED BUT AND RECOMMENDE OF BUT AND MAY REQUIRE AN INDIVIDUAL MENDAL REPERSION SERVICE, (MININ, FROM MAY REQUIRE AN INDIVIDUAL MENDAL REPERSION SERVICE, (MININ, FROM MAY REQUIRE AN INDIVIDUAL MENDAL REPERSION SERVICE, (MININ, FROM AND REPERSION FOR A REPERSION SERVICE, (MININ, FROM AND REPERSION FOR ANY AND REPERSION SERVICE, (MININ, FROM AND REPERSION FOR ANY AND REPERSION SERVICE, (MININ, FROM AND REPERSION FOR ANY AND REPERSION SERVICE, (MININ, FROM AND REPERSION FOR ANY AND REPERSION SERVICE, (MININ, FROM AND REPERSION FOR ANY AND REPERSION SERVICE, (MININ, FROM ANY REQUIRE AND REPORT OF ANY AND REPERSION SERVICE, (MININ, FROM ANY REQUIRE AND REPORT OF ANY AND REPERSION SERVICE, (MININ, FROM ANY REQUIRE AND REPORT OF ANY ANY AND REPORT AND REPORT AND REPORT AND REPORT ANY REQUIRE AND REPORT AND "EROSION PREVENTION" MEANS MEASURES EMPLOYED TO PREVENT EROSION SUCH AS SOIL STABILIZATION PRACTICES, PERMANENT COVER OR CONSTRUCTION PHASING. DINN. R. 7001

paint. R. 7090] "General Contractor" means the party "Who signs the construction contract with the owner to construct the extree Project described in the Final Plana and Descipications, "Where the construction project involves more than one contractor, the general contractor is the party response to Ranada and the entre Project on Behavier of the owner. In some cases, the owner is the center location of the sole presenting. In some cases, the owner is the center location of the sole presenting. In some cases, the owner is the center location of the sole presenting. In some cases, the owner is the center location of the sole presenting. In some cases, the owner is the center location of the sole presenting. In some cases, the owner is the center location of the sole presenting. In some cases, the owner is the center location of the sole presenting. In some cases, the owner is the center location of the sole presenting. In some cases, the owner is the center location of the sole presenting. In some cases, the sole presenting. In some cases, the sole presenting of the sole presenting. In some cases, the sole presenting of the sole presenting. In some cases, the sole presenting of the sole presenting. In some cases, the sole presenting of the sole presenting. In some cases, the sole presenting of the sole presenting of the sole presenting and the sole presenting of the sole presenting of the sole presenting of the sole presenting. In some cases, the sole presenting of the s APPLICATION AS THE OPERATOR AND BECOMES THE SOLE PERMITTEE, [MINN. R. 7060) "GROUNDWATER" MEANE THE WATER CONTAINED BELOW THE BURCHACE OF THE EASTH IN THE BATUBATED ZONE INCLUDION, WITHOUT LIBITATION, ALL WATERS WHETHER UNCORSOLIDATED INCONTENCE, OR PERCHED CONDITIONS, IN NEARS BURFACE UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER THE THE OF A DELLEMT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER UNCORSOLIDATED SEDILENT OR RESOLITH, OR IN ROCK FORMATIONS DEEPER THE THE OF A DELLEMT OR AND RESOLIT FOR PERMITTEES TO GIVE TO HOMEOWNERS AT THE THE OF A DELLE, [MINN, R. 7060]

"INFEASIBLE" MEANS NOT TECHNOLOGICALLY POSSIBLE OR NOT ECONOMICALLY PRACTICABLE AND ACHIEVABLE IN LIGHT OF THE BEST INDUSTRY PRACTICES. [MINN. R. 700]

7003) "INITATED IMMEDIATELY" MEANS TAKING AN AGTION TO COMMENCE SOIL STABILIZATION AS BOON AS PRACTICABLE, BUT NO LATER THAN THE END OF THE WORK DAY, FOLOWING THE DAY WHEN THE LANO.DISTURBING ACTIVITIES TEMPORARILY OF PERMANENTLY CLASE, IF THE PERMITTEES KNOW THAT CONSTRUCTION WORK ON THAT PORTION OF THE BIT WILL BETENDIALLY CASED FOR 14 OR MORE ADDITIONAL CAL ENDARE DAYS OR TOLLENDAR DAYS WHERE ITEM 23 A PPLIES. 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;

C. SEEDING OR PLANTING THE EXPOSED AREA: OR

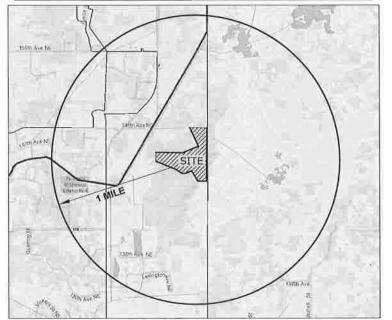
D. STARTING ANY OF THE ACTIVITIES IN A - C ON A PORTION OF THE AREA TO BE SYABILIZED, BUT NOT ON THE ENTIRE AREA; OR E, FINALIZING ARRANGEMENTS TO HAVE STABILIZATION PRODUCT FULLY INSTALLED IN COMPLIANCE WITH THE APPLICABLE

DEADLINE FOR COMPLETING STABILIZATION, MINN, R. 70901

DEADLINE FOR COMPLETING STABILIZATION, [MIRN, R. 7960] "IMPERVIOUS SERVACE" MEANS & CONSTRUCTED HARD SUFFACE THAT EITHER PREVENTS OR RETARDS THE ENTRY OF WATER INTO THE SOLLAND CAUSES WATER TO RUN OF THE SUFFACE IN GREATER QUANTITIES AND TA AI NORFABED RATE OF FLOW THAN PRIOR TO DEVELOPMENT, EXAMPLES INCLUDE ROOTOFOF, SIDEWALKS, DRIVENKYS, PARKING LOTS, AND CONCRETE, ASHALL, TO G RAVEL ROADS, RINDGES OVER SUFFACE WATERS ARE CONSIDERED IMPERVIOUS SUFFACES, JMINN, R. 7960] NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)" MEANS THE PROGRAM FOR ISSUING, MODIFYING, REVOKING, REISSUING, TERMINATING, MONITORING, AND ENFORCING PERMITS UNDER THE CLEAR WATER ACT, AS ABRENDED (33 U.S.C. 1251 ET SEQ. SECTION 1342 AND 40 CFR PARTS 122, 123, 124 AND 459), [MINH. R. 7080]

"NATURAL BUFFER" MEANS AN AREA OF UNDISTURBED COVER SURROUNDING SURFACE WATERS WITHIN WHICH CONSTRUCTION ACTIVITES ARE RESTRICTED. NATURAL BUFFER INCLUDES THE VEGETATION, EXPOSED ROCK, OR BARREN GROUND THAT EXISTS PRIOR TO COMMENCEMENT OF EARTH-DISTURBING ACTIVITIES. [MINN. R. 7080] NOTICE OF TERMINATION (NOT)" MEANS THE FORM (ELECTRONIC OR PAPER) REQUIRED FOR TERMINATING COVERAGE UNDER THE CONSTRUCTION GENERAL PERMIT, IMINN, R.

MAP OF SURFACE WATERS



"OPERATOR" MEANS THE PERSON (USUALLY THE GENERAL CONTRACTOR), FIRM, GOVERNMENTAL AGENCY, OR OTHER ENTITY DESIGNATED BY THE OWNER WHICH ARD AND TO DAY OPERATIONAL, CONTRAC, ANDROT THE ABILITY TO MODIFY PROJECT PLANS AND SPECIFICATIONS RELATED TO THE SWPPP. THE PERMIT APPLICATION MUST LUST THE OPERATOR AS PERMITTES USUBCONTRACTORS HIRD BY AND UNDER SUPERVISION OF THE GENERAL CONTRACTOR ARE NOT OPERATORS, JIMIN, R. 7080] "OWNER" HEART THE FERSON, FIRM, GOVERNMENTAL AGENCY, OR OTHER ENTITY POSSESSING THE TITLE OF THE LAND ON WHICH THE CONSTRUCTION ACTIVITIES WILL OCCUR OR, PE THE CONSTRUCTION ACTIVITY IS FOR A LEASE, EASTENDT, OF MINERAL RIGHTS LICENSE HOLDER, THE PARTY OR INDIVIDUAL IDENTIFIED AS THE LEASE, EASTENDT ON MIREAL RIGHTS LOCKING TO THE CONTRECTION ACTIVITY AGENCY RESPONSIBLE FOR THE CONSTRUCTION ACTIVITY, JIMIN, R. 7080]

AGENCY RESPONSIBLE FOR THE CONSTRUCTION ACTIVITY, JIMIN, R. 7080] "PERAMALINE COVER" HEANS BURGACE TYPES THAT WILL PREVENT SOL FAILURE UNDER EROSPIC CONDITIONS. EXAMPLES INCLUDE: GRAVEL, CONCRETE, PERENNAL, COVER, OR DITER LANGSCHED MATERIAL INTAY INL. PERAMARENTLY ARREST SOL EROSION. PERMITTES MUST ESTABLISH A UNIFORM PERENNAL VEGETATIVE COVER (LE, EVENLY DISTRIBUTED, MOTOLTAKE DARGE ARRAGE MYNTH A DENSITY OF TREST SOL EROSION. PERMITTES MUST ESTABLISH A UNIFORM PERENNAL VEGETATIVE COVER (LE, EVENLY DISTRIBUTED, MYNTHOUT LARGE BARG ARRAGE MYNTH A DENSITY OF TREST PERCENT OF THE NATIVE BACKROUIN VEGETATIVE COVER (N. AL AREAN NOT COVERED BY PERMANENT TOTVERIDES, DISTRIBUTED, MOTOL DISTRIBUTED, MOTOL DISTRIBUTED, MATTINE THE MANNENT AND ROLLED EROSION CONTROL PRODUCTS, JUNIN, R. 7080] "PENNITTEST MENANT HE PERGAN, FINA, GOVERNETTAL, AGENCY, OR OTHER ENTITY IDENTIFIED AS THE OWNER, AND OPERATOR ON THE APPLICATION BUBMITTED TO THE MYCA AND ARE RESPONSIBLE FOR COMPLIANCE WITH THE TERMS AND CONDITIONS OF THIS PERMIT. (JUNN, R. 7080]

THIS PERMIT, KINN, R. 7000] "PROLECT(SY HEARS ALL CONTRUCTION ACTIVITY PLANNED AND/OR CONDUCTED UNDER A PARTICULAR PERMIT. THE PROJECT OCCURS ON THIS SITE OR SITES DESCRIBED IN THE PRANIT APPLICATION, THE SYMPP AND IN THE ASSOCIATED FLANS, SPECIFICATIONS AND CONTRACT OCCUMENTS, MININ, R. 7090]

"PUBLIC WATERS" MEANS ALL WATER BASINS AND WATERCOURSES DESCRIBED IN MINN. STAT. BECT, 193G.005 SUBP. 15. [MINN. R. 7090]

STAT. SECT. 103.065 508P. 15, JININ. R. 7900] SEDIMENT CONTOL·MEANS METHODS EMPLOYED TO PREVENT SUBPENDED SEDIMENT IN STORM WATER FROM LEAVING THE STELES. SILL TENGES, COMPOST LOGG AND STORM DRAIN INLET PROTECTION, JININ. R. 7090] STABILIZE', "STABILIZED', "STABILIZATION" MEANS THE EXCORED GROUND SURFACE INAS SEEN COVERED BY APPROPMATE MATERIALS SUCH SANDLOL, STAKED SCO, RESEN COVERED BY APPROPMATE MATERIALS SUCH SCORE DROUND SURFACE INAS SEEN COVERED BY APPROPMATE MATERIALS SUCH STAKED SCO, REGISTOR FROM OCUBRING, AGRESS SEEDING, AGRICULTURAL CROP Y FERDING OR OTHER SEEDING ALONE IS NOT STABILIZATION, MULCH MATERIALS MUST ACHIEVE APPROXIMATELY BO PERCENT GROUND COVERAGE (TYPICALLY 2 TONAGRE), JININ. R. 1970 BUMATELY BO PERCENT GROUND COVERAGE (TYPICALLY 2 TONAGRE).

1999] *STORMWATER* MEANS PRECIPITATION RUNOFF, STORMWATER 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. 7680)

URADE, (MINN. K. 7000) "STORM WATER POLLUTION PREVENTION PLAN (SWPPP)" MEANS A PLAN FOR STORMWATER DISCHARGE THAT INCLUDES ALL REQUIRED CONTENT UNDER IN SECTION 5 THAT DESCRIBEST THE EROSION PREVENTION, SECONDERT CONTEN, LAN WASTE CONTROL BMPS AND PERMANENT STORMWATER TREATMENT SYSTEMS, (MINN. R. 7000)

BMPS AND PERMANENT STORMAYN TER INEATMENT STOTENS, JMNN, K. TONU "SURPACE WATER OR WATERS" HEAMS ALL STREAMS, JAKCE, PONDS, MARSHES, WETLANDS, RESERVOIRS, SPRINGS, ROVERS, DRAINAGE SYSTEMS, WATERWOND, SARSHES, WATERCOURSES, AND IRRIGATING SYSTEMS WHATER ATTACAL AN ATTRICUL, FUBLIC OR PRIVATE, EXCEPT THAT, SURPACE WATERS DO NOT INCLUDE STORMAYNE, INGER TEATMENT STREAMS CONSTRUCTOR PROVIDENT OF THE STORMAYNE STORMAYNE REALMS ON TO STREAMS WHATER, NITHS, PAINTON AND ACCORDANCE WITH SECTION 24 SOURCE WATER, WITH, A TO AND ACCORDANCE WITH SECTION 24 SOURCE SOURCE WHATE, WITH, A TOMOT

BUNDER VOON THE STATE OR ANT PORTION THEREOF, IMMA, STAT. 116,017, SUBP. 22] "WATER QUALITY VOLUME" MEANS ONE (1) INCH OF NUNOFF FROM THE NET INCREASE IN IMPERVIOUS SURFACES CREATED BY THE POLJECT (CALCULATED AS AN INSTANTANEOUS VOLUME), IMMN, R. 7090]

INSTANTANEOUS VOLUMED, (MINR. R. 7060) "WETLANDS" (AS DEFINED IN MINR. 7050.018, SUBP. 1.A.B.) MEANS THOSE AREAS THAT ARE INNUNATED OR SATURATED BY SUFACE WATER OR GROUNDWATER AT A FREQUENCY AND DURATION SUFFICIENT TO SUFFORT, AND UNDER THORMAL CIRCUMSTANCES DO SUPPORT, A PREVALENCE OF VEGETATION TYPICALLY ADAPTED FOR LIPE IN SATURATED SOIL CONDITIONS. WETLANDS GENERALLY, INCLUDE SWAMPR, MARSHES, BOGS, AND SIMILAR AREAS, CONSTRUCTED WETLANDS DESIGNED FOR WASTEWATER TRAVIENTES ON UNFORMED FOR STATE. WETLANDS MUST HAVE THE FOLLOWING ATTRIBUTES: 1. A DERDOMINANCE OF MYORIC CAD. B: A MO

1. A PREDOMINANCE OF HYDRIC SOILS; AND 2. INUNDATED OR SATURATED BY SURFACE WATER OR GROUNDWATER AT A FREQUENCY AND DURATION SUFFICIENT TO SUFFORT REVALENCE OF HYDROPHYTIC VEGETATION TYPICALLY ADAPTED FOR LIFE IN A SATURATED SOIL

CONDITION; AND

23.9:

UNDER NORMAL CIRCUMSTANCES SUPPORT A PREVALENCE OF SUCH VEGETATION. IMINN. R. 7050.0188. SUBP. (A.B)

COON CREEK IS IDENTIFIED AS AN IMPAIRED WATER AND HAS AN EPA APPROVED IMPAIRMENT OF BENTHIC MACROINVERTEBRATE BIOASSESSMENTS AND E. COLI. BECAUSE OF THIS, ADDITIONAL BMP REQUIREMENTS ARE REQUIRED:

PERMITTEES MUST IMMEDIATELY INITIATE STABILIZATION OF EXPOSED SOIL AREAS, AS Described in Them 8.4, and complete the stabilization within Seven (7) callendar Days After the construction activity in that protion of the site temporarily DAYS AFTER THE CONSTRUC OR PERMANENTLY CEASES.

PERMITTEES MUST PROVIDE A TEMPORARY BEDIMENT BASIN AS DESCRIBED IN SECTION 14 FOR COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH FIVE (5) OR MORE ACRES DISTURBED AT ONE TIME.

City Council Mtg. Minutes October 19, 2020

12.3 Discussion of parkland for Hidden Forest East 3rd Addition

Councilmember Kirkham, Public Works Superintendent Witkowski, Engineer Collins and Administrator Webster met with Jeff Stalberger, the developer for Hidden Forest East 3rd Addition to discuss the possibility of the City purchasing additional land from Mr. Stalberger if he negotiates the purchasing of the East 40 acres from the Knoll Family. Mr. Stalberger stated that he was able to negotiate with the Knoll Family to purchase an additional 38.673 acres of land. Mr. Stalberger is proposing to plat two residential lots on the east 400 feet of the property (11.89 acres). Parkland already dedicated includes 8.09 acres from Hidden Forest East 3rd Addition and an additional proposed 1.19 acres from the future subdivision. Parkland Dedication fees from Hidden Forest East and Hidden Forest East 2nd Additions total \$118,429.40 which will pay for purchasing the additional 26.78 acres to be used as parkland. It was the consensus of the City Council to move forward with discussions to purchase additional land from Mr. Stalberger for a larger park with monies coming from the Park and Beach fund

12.4 Announcements and future agenda items - None

Motion by Kirkeide, seconded by Kirkham, to adjourn the meeting at 6:16 p.m. All in favor, motion carried.

Dawnette Shimek Deputy City Clerk



CITY OF HAM LAKE

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

CITY OF HAM LAKE PARK AND TREE COMMISSION MINUTES WEDNESDAY, SEPTEMBER 19, 2018

The Ham Lake Park and Tree Commission met for its regularly scheduled meeting on Wednesday, September 19, 2018 at 6:00 p.m. at the Ham Lake City Hall, 15544 Central Avenue NE, Ham Lake, Minnesota.

MEMBERS PRESENT:	Vice Chair Tim Donnay and Commissioners, Al Stauffacher, Tara Lanigan and Doug Miller
MEMBERS ABSENT:	Patrick Wolfgram
OTHERS PRESENT:	Public Works Superintendent, Tom Reiner and Deputy City Clerk, Jennifer Bohr

CALL TO ORDER:

Vice Chair Donnay called the meeting to order at 6:00 p.m. and the Pledge of Allegiance was recited by all in attendance.

APPROVAL OF MINUTES:

Motion by Stauffacher, seconded by Miller, to approve the minutes of the July 18, 2018 Park and Tree Commission meeting as written. All present in favor. Motion carried.

CITY COUNCIL UPDATE: None

1.0 APPEARANCES:

×

1.1 <u>Jeff Stalberger, HFN Properties, LLC, consideration of Parkland Dedication for</u> <u>Sketch Plan of Hidden Forest East 2nd Addition (42 Single Family Residential Lots)</u> in Section 25.

Jeff Stalberger of HFN Properties, LLC was present. Mr. Stalberger stated he developed the plat of Hidden Forest East last spring and Hidden Forest East 2nd Addition will be to the north of that plat. Vice Chair Donnay asked Mr. Stalberger if he has plans to develop additional land in this area and would those developments include a park. Superintendent Reiner stated that the Comprehensive Plan identifies an area north of the Hidden Forest East 2nd Addition as a potential future park location. Mr. Stalberger stated he prefers to offer the City money in lieu of parkland but he would be willing to work with the Knolls, current owners of the adjacent property, and the City to negotiate a purchase of land for a park, perhaps in a section to the southwest of Hidden Forest East 2nd Addition. Superintendent Reiner suggested that Mr. Stalberger purchase land in the next phase of development that could be parkland. Discussion followed regarding dedication of future parkland bordering Carlos Avery Wildlife

Management Area (WMA); there was concern that hunters would utilize any parkland bordering Carlos Avery WMA as an entrance to the WMA for hunting and cause parking issues. Commissioner Miller voiced his concern with the limited amount of parkland the City has obtained in the past two years and that tonight's discussion is only speculative; there is no guarantee the City will obtain parkland in future phases of development in this area. Vice Chair Donnay asked Mr. Stalberger when he would develop the next phase in the Hidden Forest East development. Mr. Stalberger stated it could possibly be eighteen months from now. Vice Chair Donnay asked if Mr. Stalberger would be willing to plan a park in the next phase. Mr. Stalberger stated he would be willing to plan a park in the next phase. Commissioner Stauffacher stated that if money is accepted in lieu of parkland for this development a park needs to be required in the next phase. Commissioner Miller stated the maximum amount of parkland needs to be obtained in the next phase. Motion by Donnay, seconded by Lanigan, to recommend to City Council to accept monies in lieu of parkland for the Sketch Plan of Hidden Forest East 2nd Addition (42 Single Family Residential Lots) in Section 25. Commissioners Donnay and Lanigan voted yes, Commissioners Stauffacher and Miller voted no. Commissioner Stauffacher said he would like a stipulation included in the motion to require parkland in the next phase of the Hidden Forest East development. Donnay moved to amend the motion by adding the following to the motion on the table: with the understanding parkland will be required in the next phase of the Hidden Forest East development. Seconded by Stauffacher. Commissioners Donnay, Lanigan and Stauffacher voted yes, Commissioner Miller voted

no. Motion carried. (This item will be placed on the October 1, 2018 City Council Agenda.)

2.0 PARK & TREE COMMISSION BUSINESS:

2.1 <u>Discussion of recommending a feasibility study for construction of a 1.75 mile bike</u> trail on the west side of Radisson Road NE from 139th Avenue NE to 153rd Avenue NE

Superintendent Reiner stated extending the pedestrian trail on the west side of Radisson Road NE was discussed at the April 4, 2018 workshop meeting and the July 18, 2018 Park and Tree Commission meeting. Superintendent Reiner stated a recommendation was made to City Council for Engineer Collins to contact Anoka County to ask if the County would allow the City to purchase and construct a trail in the county right-of-way; Engineer Collins has contacted Anoka County and they are open to the trail extension. Superintendent Reiner stated the trail would connect to the current bike lane on 149th Avenue NE, which connects to a trail going into Blaine. Superintendent Reiner stated the next step in this process would be to conduct a feasibility study. Motion by Stauffacher, seconded by Miller, to recommend to City Council that Engineer Tom Collins conduct a feasibility study for the 1.75 mile bike trail along the west side of Radisson Road NE between 139th Lane NE and 153rd Avenue NE. All present in favor. Motion carried. (This item will be placed on the October 1, 2018 City Council Agenda.)

3.0 TREE UPDATE:

3.1 Oak Wilt Tree Inspections

Superintendent Reiner stated tree inspectors have completed road side inspections for oak wilt; 159 notices were sent to residents to inform them that their oak trees have symptoms of

Tom Collins

From: Sent: To: Subject: Joseph Murphy <joseph.murphy@carsoncs.net> Thursday, June 3, 2021 7:24 AM Tom Collins Hidden Forest East 3rd Addition

Hi Tom,

I have had an opportunity to research further the mandatory EAW under MN rule 4410.4300, subp. 36, in light of the suggestion that open space ponding be excluded from the calculation of acres being converted.

That rule requires a mandatory EAW for any project "resulting in the permanent conversion of 80 or more acres of agricultural, native prairie, forest, or naturally vegetated land..." The legal question is how to interpret and apply the phrase "permanent conversion" to the proposed Hidden Forest East project. The MN rules define "permanent conversion" as "a change in use of agricultural, naturally vegetated, or forest lands that impairs the ability to convert the land back to its agricultural, natural, or forest capacity in the future. It does not include changes in management practices, such as conversion to parklands, open space, or natural areas." Clearly, the proposed project will be changing natural forest/vegetation to pond. However, a very reasonable argument could be made that the pond remains an open space or natural area. The retaining ponds are a necessary part of the residential development project, but they can be distinguished from the impervious infrastructure of the remainder of the residential development and, I'm assuming, could theoretically be converted back to a more natural/vegetated space.

These provisions "permanent conversion" and "open spaces" have not been interpreted by Minnesota courts too often, and as you know, the language of the rule can be a bit unclear and open to several interpretations. But one MN Court of Appeals case from 2015 is instructive and helpful in projecting how courts may apply the language of the rule if the city decides not to require an EAW and someone brings a legal action against the city challenging that decision. In that case, a church camp was converting an 100-acre parcel to be used as a residential camp with multiple new outdoor uses and activities. The courts ultimately ruled that no EAW was required because the project only converted 15-acres from grassland/forest to camp infrastructure and despite the many activities and new uses of the land, the remainder of the project maintained the "forested, up-north character of the property."

Therefore, in my opinion, it is a reasonable interpretation of the rule to conclude that no EAW is required here as the land converted to ponding remains an "open space" if done in a way that does not impair its ability to be converted back in the future. There is, of course, no guarantee that the EQB or another environmental group may disagree with this interpretation and challenge any decision to not require an EAW.

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Joseph Murphy Carson, Clelland & Schreder 6300 Shingle Creek Parkway, Suite 305 Minneapolis, MN 55430 (763)-561-2800

4410.4300 MANDATORY EAW CATEGORIES.

1

Subpart 1. Threshold test. An EAW must be prepared for projects that meet or exceed the threshold of any of subparts 2 to 37, unless the project meets or exceeds any thresholds of part 4410.4400, in which case an EIS must be prepared.

If the proposed project is an expansion or additional stage of an existing project, the cumulative total of the proposed project and any existing stages or components of the existing project must be included when determining if a threshold is met or exceeded if construction was begun within three years before the date of application for a permit or approval from a governmental unit for the expansion or additional stage but after April 21, 1997, except that any existing stage or component that was reviewed under a previously completed EAW or EIS need not be included.

Multiple projects and multiple stages of a single project that are connected actions or phased actions must be considered in total when comparing the project or projects to the thresholds of this part and part 4410.4400.

Subp. 2. Nuclear fuels and nuclear waste. Items A to F designate the RGU for the type of project listed:

A. For construction or expansion of a facility for the storage of high level nuclear waste, other than an independent spent-fuel storage installation, the EQB is the RGU.

B. For construction or expansion of a facility for the storage of low level nuclear waste for one year or longer, the MDH is the RGU.

C. For expansion of a high level nuclear waste disposal site, the EQB is the RGU.

D. For expansion of a low level nuclear waste disposal site, the MDH is the RGU.

E. For expansion of an away-from-reactor facility for temporary storage of spent nuclear fuel, the EQB is the RGU.

F. For construction or expansion of an on-site pool for temporary storage of spent nuclear fuel, the EQB is the RGU.

Subp. 3. Electric-generating facilities. Items A to D designate the RGU for the type of project listed:

A. For construction of an electric power generating plant and associated facilities designed for or capable of operating at a capacity of 25 megawatts or more but less than 50 megawatts and for which an air permit from the PCA is required, the PCA is the RGU.

B. For construction of an electric power generating plant and associated facilities designed for and capable of operating at a capacity of 25 megawatts or more but less than 50 megawatts and for which an air permit from the PCA is not required, the local governmental unit is the RGU.

C. For construction of an electric power generating plant and associated facilities designed for and capable of operating at a capacity of 50 megawatts or more, the PUC is the RGU, and

4410.4300

MINNESOTA RULES

environmental review must be conducted according to parts 7849.1000 to 7849.2100 and chapter 7850.

D. For construction of a wind energy conversion system, as defined in Minnesota Statutes, section 216F.01, designed for and capable of operating at a capacity of 25 megawatts or more, the PUC is the RGU, and environmental review must be conducted according to chapter 7854.

Subp. 4. Petroleum refineries. For expansion of an existing petroleum refinery that increases the refinery's capacity by 10,000 barrels per day or more, the PCA is the RGU.

Subp. 5. Fuel conversion facilities.

A. Subitems (1) and (2) designate the RGU for the type of project listed:

(1) For construction of a new fuel conversion facility for the conversion of coal, peat, or biomass sources to gaseous, liquid, or solid fuels if that facility has the capacity to utilize 25,000 dry tons or more per year of input, the PCA is the RGU.

(2) For construction of a new fuel conversion facility for the production of alcohol fuels that would have the capacity to produce 5,000,000 gallons or more per year of alcohol, the PCA is the RGU.

B. An EAW is required if an ethanol plant or biobutanol facility meets or exceeds thresholds of other categories of actions for which EAWs must be prepared.

Subp. 6. **Transmission lines.** For construction of a transmission line at a new location with a nominal capacity of between 70 kilovolts and 100 kilovolts with 20 or more miles of its length in Minnesota, the EQB is the RGU. For construction of a high-voltage transmission line and associated facilities, as defined in part 7850.1000, the PUC is the RGU. Environmental review must be conducted according to parts 7849.1000 to 7849.2100 and 7850.1000 to 7850.5600.

Subp. 7. Pipelines. Items A to D designate the RGU for the type of project listed:

A. For routing of a pipeline, greater than six inches in diameter and having more than 0.75 miles of its length in Minnesota, used for the transportation of coal, crude petroleum fuels, or oil or their derivates, the EQB is the RGU.

B. For the construction of a pipeline for distribution of natural or synthetic gas under a license, permit, right, or franchise that has been granted by the municipality under authority of Minnesota Statutes, section 216B.36, designed to operate at pressures in excess of 275 pounds per square inch (gauge) with a length greater than:

(1) five miles if the pipeline will occupy streets, highways, and other public property;

or

(2) 0.75 miles if the pipeline will occupy private property;

the EQB or the municipality is the RGU.

C. For construction of a pipeline to transport natural or synthetic gas subject to regulation under the federal Natural Gas Act, United States Code, title 15, section 717, et. seq., designed to operate at pressures in excess of 275 pounds per square inch (gauge) with a length greater than:

(1) five miles if the pipeline will be constructed and operated within an existing right-of-way; or

(2) 0.75 miles if construction or operation will require new temporary or permanent right-of-way;

the EQB is the RGU. This item shall not apply to the extent that the application is expressly preempted by federal law, or under specific circumstances when an actual conflict exists with applicable federal law.

D. For construction of a pipeline to convey natural or synthetic gas that is not subject to regulation under the federal Natural Gas Act, United States Code, title 15, section 717, et seq.; or to a license, permit, right, or franchise that has been granted by a municipality under authority of Minnesota Statutes, section 216B.36; designed to operate at pressures in excess of 275 pounds per square inch (gauge) with a length greater than 0.75 miles, the EQB is the RGU.

Items A to D do not apply to repair or replacement of an existing pipeline within an existing right-of-way or to a pipeline located entirely within a refining, storage, or manufacturing facility.

Subp. 8. Transfer facilities. Items A to C designate the RGU for the type of project listed:

A. For construction of a new facility designed for or capable of transferring 300 tons or more of coal per hour or with an annual throughput of 500,000 tons of coal from one mode of transportation to a similar or different mode of transportation or the expansion of an existing facility by these respective amounts, the PCA is the RGU.

B. For construction of a new facility or the expansion by 50 percent or more of an existing facility for the bulk transfer of hazardous materials with the capacity of 10,000 or more gallons per transfer, if the facility is located in a shoreland area, a delineated floodplain, a state or federally designated wild and scenic rivers district, the Minnesota River Project Riverbend area, or the Mississippi headwaters area, the PCA is the RGU.

C. The PCA is the RGU for a silica sand project that:

- (1) is designed to store or is capable of storing more than 7,500 tons of silica sand; or
- (2) has an annual throughput of more than 200,000 tons of silica sand.

Subp. 9. Underground storage. Items A and B designate the RGU for the type of project listed:

A. For expansion of an underground storage facility for gases or liquids that requires a permit, pursuant to Minnesota Statutes, section 103I.681, subdivision 1, paragraph (a), the DNR is the RGU.

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B. For expansion of an underground storage facility for gases or liquids, using naturally occurring rock materials, that requires a permit pursuant to Minnesota Statutes, section 103I.681, subdivision 1, paragraph (b), the DNR is the RGU.

Subp. 10. Storage facilities. Items A to H designate the RGU for the type of project listed:

A. For construction of a new facility designed for or capable of storing more than 7,500 tons of coal or with an annual throughput of more than 125,000 tons of coal or the expansion of an existing facility by these respective amounts, the PCA is the RGU.

B. For construction of a new major facility, as defined in part 7151.1200, that results in a designed storage capacity of 1,000,000 gallons or more of hazardous materials, the PCA is the RGU.

C. For expansion of an existing major facility, as defined in part 7151.1200, with a designed storage capacity of 1,000,000 gallons or more of hazardous materials when the expansion adds a net increase of 1,000,000 gallons or more of hazardous materials, the PCA is the RGU.

D. For expansion of an existing facility that has less than 1,000,000 gallons in total designed storage capacity of hazardous materials when the net increase in designed storage capacity results in 1,000,000 gallons or more of hazardous materials, the PCA is the RGU.

E. For construction of a new facility designed for or capable of storing on a single site 100,000 gallons or more of liquefied natural gas, as defined in Minnesota Statutes, section 299F.56, subdivision 14, or synthetic gas, as defined in Minnesota Statutes, section 216B.02, subdivision 6b, the PUC is the RGU, except as provided in item G.

F. For construction of a new facility designed for or capable of storing on a single site 100,000 gallons or more of anhydrous ammonia, the MDA is the RGU, except as provided in item G.

G. For construction of a new facility designed for or capable of storing on a single site 100,000 gallons or more of a combination of liquefied natural gas, as defined in Minnesota Statutes, section 299F.56, subdivision 14; synthetic gas, as defined in Minnesota Statutes, section 216B.02, subdivision 6b; or anhydrous ammonia, the PUC is the RGU.

H. The PCA is the RGU for a silica sand project that:

(1) is designed to store or is capable of storing more than 7,500 tons of silica sand; or

(2) has an annual throughput of more than 200,000 tons of silica sand.

Subp. 11. Metallic mineral mining and processing. Items A to C designate the RGU for the type of project listed:

A. For mineral deposit evaluation of metallic mineral deposits other than natural iron ore and taconite, the DNR is the RGU.

B. For expansion of a stockpile, tailings basin, or mine by 320 or more acres, the DNR is the RGU.

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C. For expansion of a metallic mineral plant processing facility that is capable of increasing production by 25 percent per year or more, provided that increase is in excess of 1,000,000 tons per year in the case of facilities for processing natural iron ore or taconite, the DNR is the RGU.

Subp. 12. Nonmetallic mineral mining. Items A to D designate the RGU for the type of project listed:

A. For development of a facility for the extraction or mining of peat which will result in the excavation of 160 or more acres of land during its existence, the DNR is the RGU.

B. For development of a facility for the extraction or mining of sand, gravel, stone, or other nonmetallic minerals, other than peat, which will excavate 40 or more acres of land to a mean depth of ten feet or more during its existence, the local governmental unit is the RGU.

C. For development of a facility for the extraction or mining of sand, gravel, stone, or other nonmetallic minerals, other than peat, which will excavate 20 or more acres of forested or other naturally vegetated land in a sensitive shoreland area or 40 acres of forested or other naturally vegetated land in a nonsensitive shoreland area, the local governmental unit is the RGU.

D. For development of a silica sand project that excavates 20 or more acres of land to a mean depth of ten feet or more during the project's existence, the local governmental unit is the RGU.

Subp. 13. **Paper or pulp processing mills.** For expansion of an existing paper or pulp processing facility that will increase its production capacity by 50 percent or more, the PCA is the RGU.

Subp. 14. Industrial, commercial, and institutional facilities. Items A and B designate the RGU for the type of project listed, except as provided in items C and D:

A. For construction of a new or expansion of an existing warehousing or light industrial facility equal to or in excess of the following thresholds, expressed as gross floor space, the local governmental unit is the RGU:

(1) unincorporated area, 150,000 square feet;

(2) third or fourth class city, 300,000 square feet;

(3) second class city, 450,000 square feet; and

(4) first class city, 600,000 square feet.

B. For construction of a new or expansion of an existing industrial, commercial, or institutional facility, other than a warehousing or light industrial facility, equal to or in excess of the following thresholds, expressed as gross floor space, the local governmental unit is the RGU:

(1) unincorporated area, 100,000 square feet;

(2) third or fourth class city, 200,000 square feet;

(3) second class city, 300,000 square feet; and

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(4) first class city, 400,000 square feet.

C. This subpart applies to any industrial, commercial, or institutional project which includes multiple components, if there are mandatory categories specified in subparts 2 to 13, 16, 17, 20, 21, 23, 25, or 29, or part 4410.4400, subparts 2 to 10, 12, 13, 15, or 17, for two or more of the components, regardless of whether the project in question meets or exceeds any threshold specified in those subparts. In those cases, the entire project must be compared to the thresholds specified in items A and B to determine the need for an EAW. If the project meets or exceeds the thresholds specified in any other subpart as well as that of item A or B, the RGU must be determined as provided in part 4410.0500, subpart 1.

D. This subpart does not apply to projects for which there is a single mandatory category specified in subparts 2 to 13, 16, 17, 20, 23, 25, 29, or 34, or part 4410.4400, subparts 2 to 10, 12, 13, 17, or 22, regardless of whether the project in question meets or exceeds any threshold specified in those subparts. In those cases, the need for an EAW must be determined by comparison of the project to the threshold specified in the applicable subpart, and the RGU must be the governmental unit assigned by that subpart.

Subp. 15. Air pollution. Items A and B designate the RGU for the type of project listed.

A. For construction of a stationary source facility that generates 250 tons or more per year or modification of a stationary source facility that increases generation by 250 tons or more per year of any single air pollutant, other than those air pollutants described in item B, after installation of air pollution control equipment, the PCA is the RGU.

B. For construction of a stationary source facility that generates a combined 100,000 tons or more per year or modification of a stationary source facility that increases generation by a combined 100,000 tons or more per year of greenhouse gas emissions, after installation of air pollution control equipment, expressed as carbon dioxide equivalents, the PCA is the RGU. For purposes of this subpart, "greenhouse gases" include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride, and their combined carbon dioxide equivalents shall be computed by multiplying the mass amount of emissions for each of the six greenhouse gases in the pollutant GHGs by the gas's associated global warming potential published in Table A-1 to subpart A of Code of Federal Regulations, title 40, part 98, Global Warming Potentials, as amended, and summing the resultant value for each.

Subp. 16. Hazardous waste. Items A to D designate the RGU for the type of project listed:

A. For construction of a new or expansion of an existing hazardous waste disposal facility, the PCA is the RGU.

B. For construction of a new facility for hazardous waste storage or treatment that is generating or receiving 1,000 kilograms or more per month of hazardous waste or one kilogram or more per month of acute hazardous waste, the PCA is the RGU.

C. For expansion of an existing facility for hazardous waste storage or treatment that increases the facility's capacity by ten percent or more, the PCA is the RGU.

D. For construction or expansion of a facility that sells hazardous waste storage services to generators other than the owner and operator of the facility or construction of a facility at which a generator's own hazardous wastes will be stored for a time period in excess of 90 days, if the facility is located in a water-related land use management district, or in an area characterized by soluble bedrock, the PCA is the RGU.

Subp. 17. Solid waste. Items A to G designate the RGU for the type of project listed:

A. For construction of a mixed municipal solid waste land disposal facility for up to 100,000 cubic yards of waste fill per year, the PCA is the RGU.

B. For expansion by 25 percent or more of previously permitted capacity of a mixed municipal solid waste land disposal facility for up to 100,000 cubic yards of waste fill per year, the PCA is the RGU.

C. For construction or expansion of a mixed municipal solid waste transfer station for 300,000 or more cubic yards per year, the PCA is the RGU.

D. For construction or expansion of a mixed municipal solid waste energy recovery facility or incinerator or use of an existing facility for the combustion of mixed municipal solid waste or refuse-derived fuel, with a permitted capacity of 30 tons or more per day of input, the PCA is the RGU.

E. For construction or expansion of a mixed municipal solid waste compost facility or a refuse-derived fuel production facility with a permitted capacity of 50 tons or more per day of input, the PCA is the RGU.

F. For expansion by at least ten percent but less than 25 percent of previously permitted capacity of a mixed municipal solid waste land disposal facility for 100,000 cubic yards or more of waste fill per year, the PCA is the RGU.

G. For construction or expansion of a mixed municipal solid waste energy recovery facility ash landfill receiving ash from an incinerator that burns refuse-derived fuel or mixed municipal solid waste, the PCA is the RGU.

Subp. 18. Wastewater systems. Items A to F designate the RGU for the type of project listed:

A. For expansion, modification, or replacement of a municipal sewage collection system resulting in an increase in design average daily flow of any part of that system by 1,000,000 gallons per day or more if the discharge is to a wastewater treatment facility with a capacity less than 20,000,000 gallons per day, the PCA is the RGU.

B. For expansion, modification, or replacement of a municipal sewage collection system resulting in an increase in design average daily flow of any part of that system by 2,000,000 gallons per day or more if the discharge is to a wastewater treatment facility with the capacity of 20,000,000 gallons or greater, the PCA is the RGU.

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C. For expansion or modification of an existing municipal or domestic wastewater treatment facility that results in an increase by 50 percent or more and by at least 200,000 gallons per day of the facility's average wet weather design flow capacity, the PCA is the RGU.

D. For construction of a new municipal or domestic wastewater treatment facility with an average wet weather design flow capacity of 200,000 gallons per day or more, the PCA is the RGU.

E. For expansion or modification of an existing industrial process wastewater treatment facility that increases the facility's design flow capacity by 50 percent or more and by at least 200,000 gallons per day or more, the PCA is the RGU.

F. For construction of a new industrial process wastewater treatment facility with a design flow capacity of 200,000 gallons per day or more, 5,000,000 gallons per month or more, or 20,000,000 gallons per year or more, the PCA is the RGU. This category does not apply to industrial process wastewater treatment facilities that discharge to a publicly owned treatment works or to a tailings basin reviewed according to subpart 11, item B.

Subp. 19. **Residential development.** An EAW is required for residential development if the total number of units that may ultimately be developed on all contiguous land owned or under an option to purchase by the proposer, except land identified by an applicable comprehensive plan, ordinance, resolution, or agreement of a local governmental unit for a future use other than residential development, equals or exceeds a threshold of this subpart. In counting the total number of ultimate units, the RGU shall include the number of units in any plans of the proposer; for land for which the proposer has not yet prepared plans, the RGU shall use as the number of units the product of the number of acres multiplied by the maximum number of units per acre allowable under the applicable zoning ordinance, by the overall average number of units per acre indicated in the plans of the proposer for those lands for which plans exist. If the total project requires review but future phases are uncertain, the RGU may review the ultimate project sequentially in accordance with part 4410.1000, subpart 4.

If a project consists of mixed unattached and attached units, an EAW must be prepared if the sum of the quotient obtained by dividing the number of unattached units by the applicable unattached unit threshold, plus the quotient obtained by dividing the number of attached units by the applicable attached unit threshold, equals or exceeds one.

The local governmental unit is the RGU for construction of a permanent or potentially permanent residential development of:

A. 50 or more unattached or 75 or more attached units in an unsewered unincorporated area or 100 unattached units or 150 attached units in a sewered unincorporated area;

B. 100 unattached units or 150 attached units in a city that does not meet the conditions of item D;

C. 100 unattached units or 150 attached units in a city meeting the conditions of item D if the project is not consistent with the adopted comprehensive plan; or

D. 250 unattached units or 375 attached units in a city within the seven-county Twin Cities metropolitan area that has adopted a comprehensive plan under Minnesota Statutes, section 473.859, or in a city not located within the seven-county Twin Cities metropolitan area that has filed with the EQB chair a certification that it has adopted a comprehensive plan containing the following elements:

(1) a land use plan designating the existing and proposed location, intensity, and extent of use of land and water for residential, industrial, agricultural, and other public and private purposes;

(2) a transportation plan describing, designating, and scheduling the location, extent, function, and capacity of existing and proposed local public and private transportation facilities and services;

(3) a sewage collection system policy plan describing, designating, and scheduling the areas to be served by the public system, the existing and planned capacities of the public system, and the standards and conditions under which the installation of private sewage treatment systems will be permitted;

(4) a capital improvements plan for public facilities; and

(5) an implementation plan describing public programs, fiscal devices, and other actions to be undertaken to implement the comprehensive plan, and a description of official controls addressing the matters of zoning, subdivision, private sewage systems, and a schedule for the implementation of those controls. The EQB chair may specify the form to be used for making a certification under this item.

Subp. 19a. Residential development in shoreland outside of the seven-county Twin Cities metropolitan area.

A. The local governmental unit is the RGU for construction of a permanent or potentially permanent residential development located wholly or partially in shoreland outside the seven-county Twin Cities metropolitan area of a type listed in items B to E. For purposes of this subpart, "riparian unit" means a unit in a development that abuts a public water or, in the case of a development where units are not allowed to abut the public water, is located in the first tier of the development as provided under part 6120.3800, subpart 4, item A. If a project is located partially in a sensitive shoreland area and partially in nonsensitive shoreland areas, an EAW must be prepared if the sum of the quotient obtained by dividing the number of units in the sensitive shoreland area by the applicable sensitive shoreland areas by the applicable nonsensitive shoreland area threshold, equals or exceeds one. If a project is located partially in shoreland and partially not in shoreland, an EAW must be prepared if the sum of the quotients obtained by dividing the number of units in each type of area by the applicable threshold for each area equals or exceeds one.

B. A development containing 15 or more unattached or attached units for a sensitive shoreland area or 25 or more unattached or attached units for a nonsensitive shoreland area, if any of the following conditions is present:

(1) less than 50 percent of the area in shoreland is common open space;

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(2) the number of riparian units exceeds by at least 15 percent the number of riparian lots that would be allowable calculated according to the applicable lot area and width standards for riparian unsewered single lots under part 6120.3300, subparts 2a and 2b; or

(3) if any portion of the project is in an unincorporated area, the number of nonriparian units in shoreland exceeds by at least 15 percent the number of lots that would be allowable on the parcel calculated according to the applicable lot area standards for nonriparian unsewered single lots under part 6120.3300, subparts 2a and 2b.

C. A development containing 25 or more unattached or attached units for a sensitive shoreland area or 50 or more unattached or attached units for a nonsensitive shoreland area, if none of the conditions listed in item B is present.

D. A development in a sensitive shoreland area that provides permanent mooring space for at least one nonriparian unattached or attached unit.

E. A development containing at least one unattached or attached unit created by the conversion of a resort, motel, hotel, recreational vehicle park, or campground, if either of the following conditions is present:

(1) the number of nonriparian units in shoreland exceeds by at least 15 percent the number of lots that would be allowable on the parcel calculated according to the applicable lot area standards for nonriparian unsewered single lots under part 6120.3300, subparts 2a and 2b; or

(2) the number of riparian units exceeds by at least 15 percent the number of riparian lots that would be allowable calculated according to the applicable lot area and width standards for riparian unsewered single lots under part 6120.3300, subparts 2a and 2b.

F. An EAW is required for residential development if the total number of units that may ultimately be developed on all contiguous land owned or under an option to purchase by the proposer, except land identified by an applicable comprehensive plan, ordinance, resolution, or agreement of a local governmental unit for a future use other than residential development, equals or exceeds a threshold of this subpart. In counting the total number of ultimate units, the RGU shall include the number of units in any plans of the proposer. For land for which the proposer has not yet prepared plans, the RGU shall use as the number of units the number of acres multiplied by the maximum number of units per acre allowable under the applicable zoning ordinance or, if the maximum number of units allowable per acre is not specified in an applicable zoning ordinance, by the overall average number of units per acre indicated in the plan of the proposer for those lands for which plans exist.

Subp. 20. Campgrounds and RV parks. For construction of a seasonal or permanent recreational development, accessible by vehicle, consisting of 50 or more sites, or the expansion of such a facility by 50 or more sites, the local governmental unit is the RGU.

Subp. 20a. **Resorts, campgrounds, and RV parks in shorelands.** The local governmental unit is the RGU for construction or expansion of a resort or other seasonal or permanent recreational development located wholly or partially in shoreland, accessible by vehicle, of a type listed in item A or B:

A. construction or addition of 25 or more units or sites in a sensitive shoreland area or 50 units or sites in a nonsensitive shoreland area if at least 50 percent of the area in shoreland is common open space; or

B. construction or addition of 15 or more units or sites in a sensitive shoreland area or 25 or more units or sites in a nonsensitive shoreland area, if less than 50 percent of the area in shoreland is common open space.

If a project is located partially in a sensitive shoreland area and partially in nonsensitive shoreland areas, an EAW must be prepared if the sum of the quotient obtained by dividing the number of units in the sensitive shoreland area by the applicable sensitive shoreland area threshold, plus the quotient obtained by dividing the number of units in nonsensitive shoreland areas by the applicable nonsensitive shoreland area threshold, equals or exceeds one. If a project is located partially in shoreland and partially not in shoreland, an EAW must be prepared if the sum of the quotients obtained by dividing the number of units in each type of area by the applicable threshold for each area equals or exceeds one.

Subp. 21. Airport projects. Items A and B designate the RGU for the type of project listed:

A. For construction of a paved, new airport runway, the DOT, local governmental unit, or Metropolitan Airports Commission is the RGU.

B. For construction of a runway extension that would upgrade an existing airport runway to permit usage by aircraft over 12,500 pounds that are at least three decibels louder than aircraft currently using the runway, the DOT, local governmental unit, or Metropolitan Airports Commission is the RGU. The RGU is selected according to part 4410.0500, subpart 5.

Subp. 22. Highway projects. Items A to C designate the RGU for the type of project listed:

A. For construction of a road on a new location over one mile in length that will function as a collector roadway, the DOT or local governmental unit is the RGU.

B. For construction of additional through lanes or passing lanes on an existing road for a length of two or more miles, exclusive of auxiliary lanes, the DOT or local governmental unit is the RGU.

C. For the addition of one or more new interchanges to a completed limited access highway, the DOT or local governmental unit is the RGU.

Subp. 23. **Barge fleeting.** For construction of a new or expansion of an existing barge fleeting facility, the DOT or port authority is the RGU.

Subp. 24. Water appropriation and impoundments. Items A to C designate the RGU for the type of project listed:

A. For a new appropriation for commercial or industrial purposes of either surface water or ground water averaging 30,000,000 gallons per month; or a new appropriation of either ground water or surface water for irrigation of 540 acres or more in one continuous parcel from one source of water, the DNR is the RGU.

B. For a new permanent impoundment of water creating additional water surface of 160 or more acres or for an additional permanent impoundment of water creating additional water surface of 160 or more acres, the DNR is the RGU.

C. For construction of a dam with an upstream drainage area of 50 square miles or more, the DNR is the RGU.

Subp. 25. **Marinas.** For construction or expansion of a marina or harbor that results in a 20,000 or more square foot total or a 20,000 or more square foot increase of water surface area used temporarily or permanently for docks, docking, or maneuvering of watercraft, the local governmental unit is the RGU.

Subp. 26. Stream diversion. For a diversion, realignment, or channelization of any designated trout stream, or affecting greater than 500 feet of natural watercourse with a total drainage area of ten or more square miles unless exempted by part 4410.4600, subpart 14, item E, or 17, the DNR or local governmental unit is the RGU.

Subp. 27. Public waters, public waters wetlands, and wetlands. Items A and B designate the RGU for the type of project listed:

A. For projects that will change or diminish the course, current, or cross-section of one acre or more of any public water or public waters wetland except for those to be drained without a permit according to Minnesota Statutes, chapter 103G, the DNR or local governmental unit is the RGU.

B. For projects that will cause an impact, as defined in part 8420.0111, to a total of one acre or more of wetlands, regardless of type, excluding public waters wetlands, if any part of the wetland is within a shoreland area, a delineated floodplain, a state or federally designated wild and scenic rivers district, the Minnesota River Project Riverbend area, or the Mississippi headwaters area, the local governmental unit is the RGU. This item does not apply to projects exempted by part 4410.4600, subpart 14.

Subp. 28. Forestry. Items A and B designate the RGU for the type of project listed:

A. For harvesting timber for commercial purposes on public lands within a state park, a historical area, a wilderness area, a scientific and natural area, a wild and scenic rivers district, the Minnesota River Project Riverbend area, the Mississippi headwaters area, or a critical area that does not have an approved plan under Minnesota Statutes, section 86A.09 or 116G.07, the DNR is the RGU.

B. For a clear-cutting of 80 or more contiguous acres of forest, any part of which is located within a shoreland area and within 100 feet of the ordinary high water mark of the lake or river, the DNR is the RGU.

Subp. 29. Animal feedlots. The PCA is the RGU for the types of projects listed in items A and B unless the county will issue the feedlot permit, in which case the county is the RGU. However, the county is not the RGU prior to January 1, 2001.

A. For the construction of an animal feedlot facility with a capacity of 1,000 animal units or more or the expansion of an existing facility by 1,000 animal units or more if the facility is not in an area listed in item B.

B. For the construction of an animal feedlot facility of more than 500 animal units or expansion of an existing animal feedlot facility by more than 500 animal units if the facility is located wholly or partially in any of the following sensitive locations: shoreland; a delineated flood plain, except that in the flood plain of the Red River of the North the sensitive area includes only land within 1,000 feet of the ordinary high water mark; a state or federally designated wild and scenic river district; the Minnesota River Project Riverbend area; the Mississippi headwaters area; or an area within a drinking water supply management area delineated under chapter 4720 where the aquifer is identified in the wellhead protection plan as vulnerable to contamination; or within 1,000 feet of a known sinkhole, cave, resurgent spring, disappearing spring, Karst window, blind valley, or dry valley.

The provisions of part 4410.1000, subpart 4, regarding connected actions do not apply to animal feedlots. The provisions of part 4410.1000, subpart 4, regarding phased actions apply to feedlots.

With the agreement of the proposers, the RGU may prepare a single EAW to collectively review individual sites of a multisite feedlot proposal.

Subp. 30. Natural areas. For projects resulting in permanent physical encroachment on lands within a national park, a state park, a wilderness area, state lands and waters within the boundaries of the Boundary Waters Canoe Area, or a scientific and natural area when the encroachment is inconsistent with laws applicable to or the management plan prepared for the recreational unit, the DNR or local governmental unit is the RGU.

Subp. 31. **Historical places.** For the destruction, in whole or part, or the moving of a property that is listed on the National Register of Historic Places or State Register of Historic Places, the permitting state agency or local governmental unit is the RGU, except this does not apply to projects reviewed under section 106 of the National Historic Preservation Act of 1966, United States Code, title 54, section 306108, or the federal policy on lands, wildlife and waterfowl refuges, and historic sites pursuant to United States Code, title 49, section 303, or projects reviewed by a local heritage preservation commission certified by the State Historic Preservation Office pursuant to Code of Federal Regulations, title 36, sections 61.5 and 61.7. This subpart does not apply to a property located within a designated historic district if the property is listed as "noncontributing" in the official district designation or if the State Historic Preservation Office issues a determination that the property is noncontributing.

Subp. 32. Mixed residential and industrial-commercial projects. If a project includes both residential and industrial-commercial components, the project must have an EAW prepared if the sum of the quotient obtained by dividing the number of residential units by the applicable residential threshold of subpart 19, plus the quotient obtained by dividing the amount of industrial-commercial gross floor space by the applicable industrial-commercial threshold of subpart 14, equals or exceeds one. The local governmental unit is the RGU.

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Subp. 33. **Communications towers.** For construction of a communications tower equal to or in excess of 500 feet in height, or 300 feet in height within 1,000 feet of any public water or public waters wetland or within two miles of the Mississippi, Minnesota, Red, or St. Croix rivers or Lake Superior, the local governmental unit is the RGU.

Subp. 34. Sports or entertainment facilities. For construction of a new sports or entertainment facility designed for or expected to accommodate a peak attendance of 5,000 or more persons, or the expansion of an existing sports or entertainment facility by this amount, the local governmental unit is the RGU.

Subp. 35. Release of genetically engineered organisms. For the release of a genetically engineered organism that requires a release permit from the EQB under chapter 4420, the EQB is the RGU. For all other releases of genetically engineered organisms, the RGU is the permitting state agency. This subpart does not apply to the direct medical application of genetically engineered organisms to humans or animals.

Subp. 36. Land use conversion, including golf courses. Items A and B designate the RGU for the type of project listed:

A. For golf courses, residential development where the lot size is less than five acres, and other projects resulting in the permanent conversion of 80 or more acres of agricultural, native prairie, forest, or naturally vegetated land, the local governmental unit is the RGU, except that this subpart does not apply to agricultural land inside the boundary of the Metropolitan Urban Service Area established by the Metropolitan Council.

B. For projects resulting in the conversion of 640 or more acres of forest or naturally vegetated land to a different open space land use, the local governmental unit is the RGU.

Subp. 36a. Land conversions in shoreland.

A. For a project proposing a permanent conversion that alters 800 feet or more of the shoreline in a sensitive shoreland area or 1,320 feet or more of shoreline in a nonsensitive shoreland area, the local governmental unit is the RGU.

B. For a project proposing a permanent conversion that alters more than 50 percent of the shore impact zone if the alteration measures at least 5,000 square feet, the local governmental unit is the RGU.

C. For a project that permanently converts 20 or more acres of forested or other naturally vegetated land in a sensitive shoreland area or 40 or more acres of forested or other naturally vegetated land in a nonsensitive shoreland area, the local governmental unit is the RGU.

Subp. 37. **Recreational trails.** If a project listed in items A to F will be built on state-owned land or funded, in whole or part, by grant-in-aid funds administered by the DNR, the DNR is the RGU. For other projects, if a governmental unit is sponsoring the project, in whole or in part, that governmental unit is the RGU. If the project is not sponsored by a unit of government, the RGU is the local governmental unit. For purposes of this subpart, "existing trail" means an established corridor in current legal use.

A. Constructing a trail at least 25 miles long on forested or other naturally vegetated land for a recreational use, unless exempted by part 4410.4600, subpart 14, item D.

B. Designating at least 25 miles of an existing trail for a new motorized recreational use other than snowmobiling. When designating an existing motorized trail or existing corridor in current legal use by motor vehicles, the designation does not contribute to the 25-mile threshold under this item. When adding a new recreational use or seasonal recreational use to an existing motorized recreational trail, the addition does not contribute to the 25-mile threshold if the treadway width is not expanded as a result of the added use. In applying items A and B, if a proposed trail will contain segments of newly constructed trail and segments that will follow an existing trail but be designated for a new motorized use, an EAW must be prepared if the total length of the newly constructed and newly designated segments is at least 25 miles.

C. Paving ten or more miles of an existing unpaved trail, unless exempted by part 4410.4600, subpart 27, item B or F. Paving an unpaved trail means to create a hard surface on the trail with a material impervious to water.

D. Constructing an off-highway vehicle recreation area of 80 or more acres, or expanding an off-highway vehicle recreation area by 80 or more acres, on agricultural land or forested or other naturally vegetated land.

E. Constructing an off-highway vehicle recreation area of 640 or more acres, or expanding an off-highway vehicle recreation area by 640 or more acres, if the land on which the construction or expansion is carried out is not agricultural, is not forested or otherwise naturally vegetated, or has been significantly disturbed by past human activities such as mineral mining.

F. Some recreation areas for off-highway vehicles may be constructed partially on agricultural naturally vegetated land and partially on land that is not agricultural, is not forested or otherwise naturally vegetated, or has been significantly disturbed by past human activities. In that case, an EAW must be prepared if the sum of the quotients obtained by dividing the number of acres of agricultural or naturally vegetated land by 80 and the number of acres of land that is not agricultural, is not forested or otherwise naturally vegetated, or has been significantly disturbed by past human activities by 640, equals or exceeds one.

Statutory Authority: *MS s 116C.94; 116C.991; 116D.04; 116D.045; L 1998 c 401 s 54; L 2013 c 114 art 4 s 105; L 2015 1Sp4 art 4 s 121; art 5 s 33*

History: 11 SR 714; 13 SR 1437; 13 SR 2046; 17 SR 139; 21 SR 1458; 24 SR 517; 28 SR 951; 30 SR 319; 31 SR 539; 34 SR 721; 36 SR 567; 44 SR 691

Published Electronically: January 17, 2020

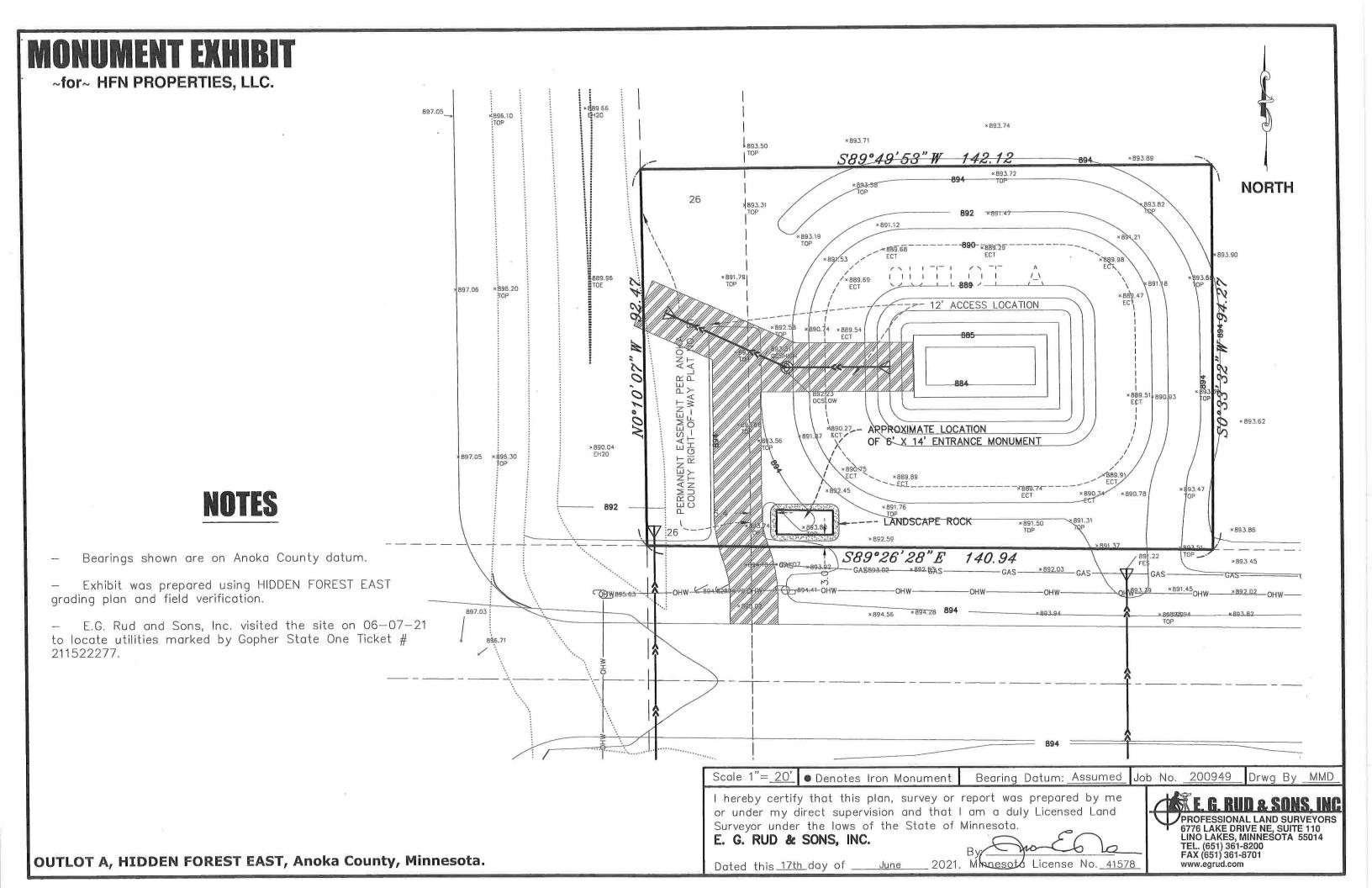


Double sided sand blast or othe Sign on top

A few logs with no bark from the development

12' to 14' in lenght

Proposed Monument



Tom Collins

From:	Mark Jones <mjones@ci.ham-lake.mn.us></mjones@ci.ham-lake.mn.us>		
Sent:	Thursday, April 15, 2021 2:49 PM		
То:	'ricoh_scanner@ham-lake.com'		
Cc:	Tom Collins; Jennifer Bohr		
Subject:	Monument sign		

Jeff,

Talking it over with Joe Murphy you could simply do an amendment to the prior development agreement to HFE. You would need to show where on the plot the sign location, meet all setbacks, and show how the sign would interfere with maintaining the any ponding within that area. This would also have to be approved by Tom Collins. See code notes below.

11-340 Standards in Specific Residential Districts No signs shall be permitted in any area zoned R-1, R-M, R-AH, PUD, RS-1 or

RS-2 except for temporary signs that are no greater than six square feet in size, except that Neighborhood Monument Signs as defined in Article 11-350.4 of this code may be up to 40 square feet in size, as measured on the perimeter of the border of the message displayed (excluding structural components of the sign). Only one sign may be placed on a residential lot, except that if it is a corner lot with two road frontages, one sign may be permitted facing each road. Such signs may be in place for no more time than is necessary to accomplish the intended purpose of the sign. A single "monument" or other sign erected by a neighborhood association or land developer may be placed on private property at any road entrance to the neighborhood, provided that the sign is maintained by the property owner on whose parcel the sign is placed.

11-350.4 Neighborhood Monument Signs A "Neighborhood Monument Sign" is a sign that is erected by a residential subdivision developer or owner's association at the time of marketing and construction of the subdivision. Neighborhood Monument Signs shall be constructed of materials requiring little or no ongoing maintenance, such as masonry. No portion of any Neighborhood Monument Sign shall be located closer than ten feet from any road right-of-way. No Neighborhood Monument Sign shall be permitted unless, as a part of the development agreement for the subdivision, a reasonable system for ongoing maintenance of the sign is provided, at no cost or expense to the City. Further, the development agreement shall provide that if the sign is not properly maintained, the City may, upon reasonable notice to the residents of the neighborhood, come upon the property upon which the sign sits and remove the signage.

Mark Jones City of Ham Lake

1



NOTICE OF PERMIT APPLICATION STATUS

Project:	Hidden Forest East 3rd Addition
Date:	May 28, 2021
Applicant:	Jeff Stalberger 17404 Ward Lake Dr. NW Andover, MN 55304
Permit Application#:	20-143
Purpose:	38 lot residential subdivision, associated stormwater features
Location:	Packard St NE at 145 th Ave NE, Ham Lake

At their meeting on April 26, 2021 the Board of Managers of the Coon Creek Watershed District **conditionally approved** the above referenced project with 4 conditions and 2 stipulations. **This is NOT a permit.**

Since your last submittal on 5/12/2021, the following 2 conditions remain which must be addressed before permit issuance (please see note below on how to address conditions).

- 1. Receipt of escrows.
- 2. Update Basin 1B EOF elevation to be consistent between HydroCAD model, Grading Plans, and details.

Please note that there are also 2 stipulations.

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 Rule 5.1. If you have any questions, please call 763-755-0975.

Sincerely,

in Edison

Erin Edison Water Resource Regulation Coordinator

cc: File 20-143 Ed Matthiesen, Stantec Danielle Tourtillott, Stantec Tom Collins, City of Ham Lake

Note: Please respond to each of these items in writing when resubmitting the revised plans to the District. Resubmittals must include two hard copies and/or an electronic version sent to permitsubmittals@cooncreekwd.org. **Please submit written responses**

below the original typed comments, using extra sheets as necessary,

addressing comments from the District. If you have any questions, feel free to contact Erin Edison at (763) 755-0975. Pursuant to Coon Creek rule 7.3 deficiencies must be addressed and resubmitted within 60 days. Failure to so shall be deemed a withdrawal of the permit application.

Hidden Forest East 3rd Addition PAN 20-143 5/28/21



To:	Erin Edison, Tim Kelly	From:	Brady Schmitz, Stantec Consulting Services Inc.
	Coon Creek Watershed District	Copy:	Ed Matthiesen, P.E., Stantec Consulting Services Inc.
PAN:	20-143	Date:	May 20, 2021

Reference: Hidden Forest 3rd Update

Exhibits:

- 1. Grading Plans (16 sheets); by Plowe, dated 04/27/2021, received 05/13/2021.
- 2. Civil Plans (9 sheets); by Plowe, dated 04/27/2021, received 05/13/2021.
- 3. Stormwater Drainage Report; by Plowe, dated 05/13/2021, received 05/13/2021.

In Response to the Coon Creek Watershed District "Notice of Permit Application Status" dated April 28, 2021:

- 1. Receipt of escrows. NO
- 2. Update Basin 1B EOF elevation to be consistent between HydroCAD model, Grading plans, and details. NO

Findings: Basin 1B EOF elevation is listed as 903.8 on the Grading Plans and HydroCAD model. It is shown as 903.6 in the detail table on sheet C2.04 of the Civil Plans.

Recommendation: Approval with 2 Condition and 3 Stipulations:

Conditions:

- Receipt of escrows.
- 4. Update Basin 1B EOF elevation to be consistent between HydroCAD model, Grading Plans, and details.

Stipulations:

1. Submittal of as-builts for the following stormwater management practices, including volume and proof of installation for hydrodynamic separators:

Stormwater Treatment Practices	Number	
Wet Sedimentation Pond	4	
Infiltration Basin	8	
RainGuardians	13	
Outlet Control Structure	5	

- 2. Completion of post construction infiltration tests on Infiltration Basins 1A, 1B, 2A, 3A, 3B, 4D, 7A and 7B by filling the basin to a minimum depth of 6 inches with water and monitoring the time necessary to drain, or multiple double ring infiltration tests to ASTM standards. The Coon Creek Watershed District shall be notified prior to the test to witness the results.
- 3. If dewatering, either DNR dewatering permit (if required) or well-field location, rates, discharge location, schedule and quantities must be submitted to the District 7 days prior to activity for review and approval.

Tradewell Soil Testing 18330 Dahlia Street NW Cedar, MN 55011

April 5th, 2021

RFC Engineering 13635 Johnson Street NE Ham Lake, MN 55304 Attention: Tom Collins

Dear Mr. Collins:

As a licensed site evaluator who conducted the soil borings in Hidden Forest East 3rd Addition for Jeff Stalberger, I found the following: Each boring has at least 12" of natural, undisturbed and unmottled soil. In order to design and install a standard soil treatment system according to MN Chapter 7080 Code, at least 12" of natural soil with no signs of mottling is required. Therefore, each of the proposed lots will support 2 "standard" septic systems within the 7,500 square feet septic area as shown on the Grading Plan.

Sincerely, Varell

Mark Tradewell MPCA #307



Memorandum

Date: April 13, 2021
To: Becky Horton, MN DNR
Cc: Erin Edison, Coon Creek Watershed District Jeff Stalberger, HFN Properties, LLC Adam Ginkel, Plowe Engineering, Inc.
From: Melissa Barrett, Kjolhaug Environmental Services Company (KES)
Re: Rare Species Avoidance Plan Hidden Forest East 3rd Addition, Ham Lake KES#2020-104

The Hidden Forest East 3rd Addition project is located on 82.8 acres in Section 26, Township 32 North, Range 23 West, Ham Lake, Anoka County, Minnesota. The site is situated east of Lexington Avenue and north of 125th Avenue NE.

A plant survey conducted on the site by Midwest Natural Resources (MNR) on August 23, 2020 (Attachment A) identified 69 individuals of the state-threatened black huckleberry (*Gaylussacia baccata*) in the northeast corner of the site (Figure 1).

The proposed plan for the site is included as **Attachment B**. According to the plan, the nearest grading activity is more than 260 feet from the rare plant population (**Figure 2**).

Prior to site construction, silt fence as shown on the plans will be installed along the grading limits thereby ensuring avoidance of the subject plants.

Project approval requires DNR concurrence with the Rare Plant Survey and concurrence that additional investigation is not required.

At this time, we are requesting DNR approval of this avoidance plan and the MNR plant survey. We are also requesting that DNR provides a determination to CCWD regarding whether further investigation is required for this project.

Thank you.

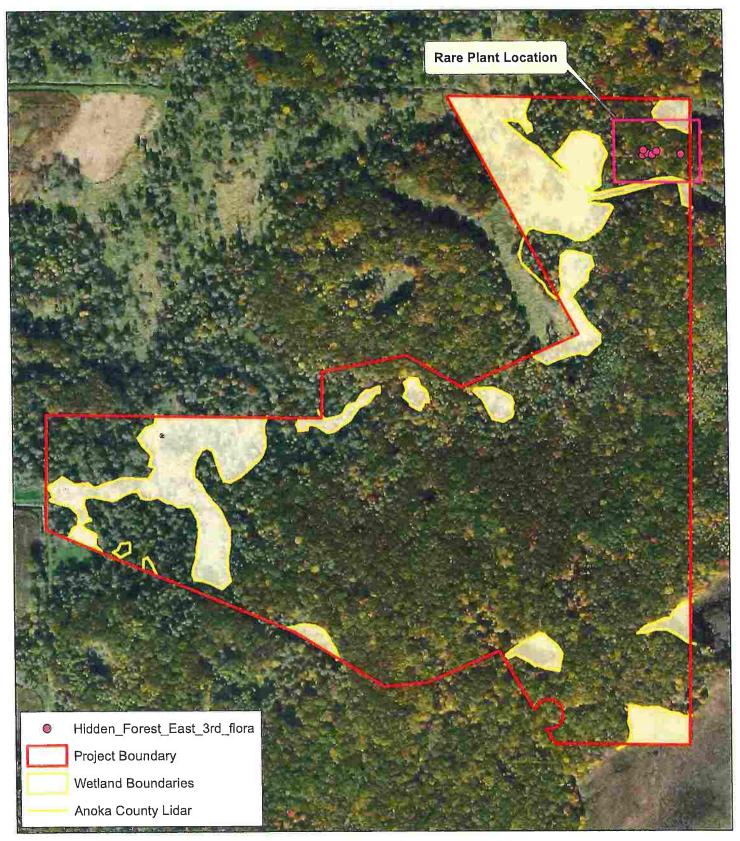


Figure 1 - Rare Plant Population Location



Ν

500 0 Feet Hidden Forest East 3rd Addition (KES 2020-104) Ham Lake, Minnesota

KJOLHAUG ENVIRONMENTAL SERVICES COMPANY Source: MNGEO Spatial Commons

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

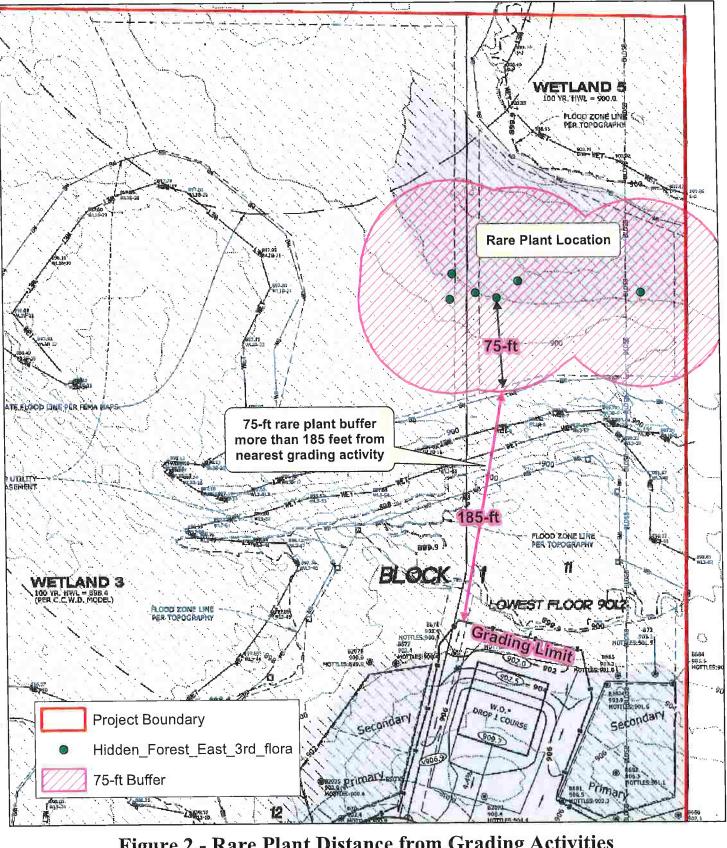
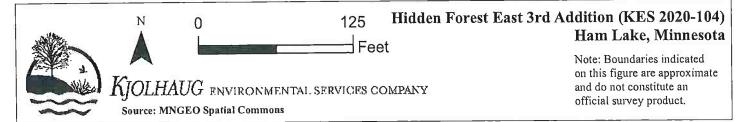


Figure 2 - Rare Plant Distance from Grading Activities



Hidden Forest East 3rd Addition, Ham Lake

Rare Species Avoidance Plan

Attachment A

RARE PLANT SURVEY REPORT

HIDDEN FOREST EAST 3RD ADDITION PROJECT

Prepared for: Mr. Jeffrey Stalberger HFN Properties, LLC 17404 Ward Lake Dr. NW Andover, MN 55304



September 11, 2020

Prepared by: Midwest Natural Resources, Inc. 1032 West 7th Street, Suite 150 St. Paul, Minnesota 55102



MIDWEST MATURAL RESOURCES



Mr. Jeffrey Stalberger HFN Properties, LLC 17404 Ward Lake Dr. NW Andover, MN 55304

September 11, 2020

Mr. Stalberger,

The following document discusses the results of the recent rare plant survey conducted by Midwest Natural Resources, Inc. (MNR) for the proposed Hidden Forest East 3rd Addition residential development project. The proposed project is located east of Lever Street Northeast in Ham Lake, Minnesota (Figure 1).

Project Limits and Existing Background Data

The project area, which is approximately 82.5 acres, is located in Township 32 North, Range 23 West in the NENE, NWNE, SWNE, SENE, and NESE quarter-quarter sections of Section 25 (Figure 2). Available background data reviewed pertaining to the overall landscape included the USGS Topographic Map (Figure 3), LiDAR imagery (Figure 4), and the Anoka County Soil Survey digital data layer (Figure 5). The site includes four different soils series: Isanti fine sandy loam (Iw), Lino loamy fine sand (LnA), Markey muck (Ma), and Zimmerman fine sand (ZmB). Additionally, the Minnesota Department of Natural Resources (DNR) Native Plant Community (NPC) data layer was examined to determine if NPCs were mapped within the project site (Figure 6). This data layer identifies a large portion of the site as Southern Dry-Mesic Oak (Maple) Woodland, Oak – (Red Maple) Woodland type (FDs37a). The site is additionally identified as an Outstanding Site of Biological Significance (Figure 7).

Methods

Prior to conducting field surveys, MNR submitted a rare plant survey protocol to the DNR Endangered Species Coordinator (Appendix A). Field efforts, consisting of meander surveys, were conducted on August 23, 2020 by MNR botanists Otto Gockman, Jake Walden, and the undersigned. Follow-up surveys efforts were conducted on September 5, 2020. A general species list was collected during field efforts, as were representative site photographs. State-listed plant populations observed were spatially documented using a Trimble® Geo XT 6000 sub-meter GPS unit, capturing the extent of a given population or colony. Collected spatial data was then post-processed following survey efforts in order to provide sub-meter quality data.

Results

The majority of the project area is a Southern Dry-Mesic Oak (Maple) Woodland, Oak – (Red Maple) Woodland community type (FDs37a), matching the NPC data layer. The conservation status of this native plant community in the state is ranked as S4, meaning apparently secure, uncommon but not rare.

The canopy of this community is continuous with prominent species including white oak (*Quercus alba*), northern pin oak (*Q. ellipsoidalis*), northern red oak (*Q. rubra*), and red maple (*Acer rubrum*). The shrub layer ranges from sparse to patchy, and the ground layer is patchy to interrupted with hog peanut (*Amphicarpaea bracteata*), Pennsylvania sedge (*Carex pensylvanica*), large-leaved aster (*Eurybia macrophylla*), interrupted fern (*Claytosmunda claytoniana*¹, formerly *Osmunda claytoniana*), and bracken fern (*Pteridium aquilinum*). The survey area additionally includes a number of open wetland features throughout. These wetlands are generally degraded and dominated by reed canary grass (*Phalaris arundinacea*) along with stinging nettle (*Urtica dioica*) and arrow-leaved tearthumb (*Persicaria sagittata*).

Overall, 138 species were noted during survey efforts (Appendix B), including the state-threatened black huckleberry (Gaylussacia baccata). Approximately 69 individuals were documented in the northeast corner of the project area (Figure 8) growing in the fire dependent forest growing in association with Quercus alba, Q. rubra, Acer rubrum, Amphicarpaea bracteata, Carex pensylvanica, Claytosmunda claytoniana, American hazelnut (Corylus americana), bush honeysuckle (Diervilla lonicera), woodbine (Parthenocissus vitacea), and lowbush blueberry (Vaccinium angustifolium). A portion of one individual was collected for documentation purposes and collected under Special Permit No. 22798. This voucher will be submitted to the DNR in the near future and ultimately provided to the University of Minnesota Herbarium (MIN).

Representative site photos, as well as photos of the Gaylussacia baccata, are provided in Appendix C.

Conclusion

As noted, one state-threatened species, *Gaylussacia baccata*, was documented during survey efforts. This species is protected by state law, which prohibits the taking, importing, transporting, or selling of any part of a threatened or endangered species. A takings permit through the DNR will be required if impacts are unavoidable, and we can assist you in that case.

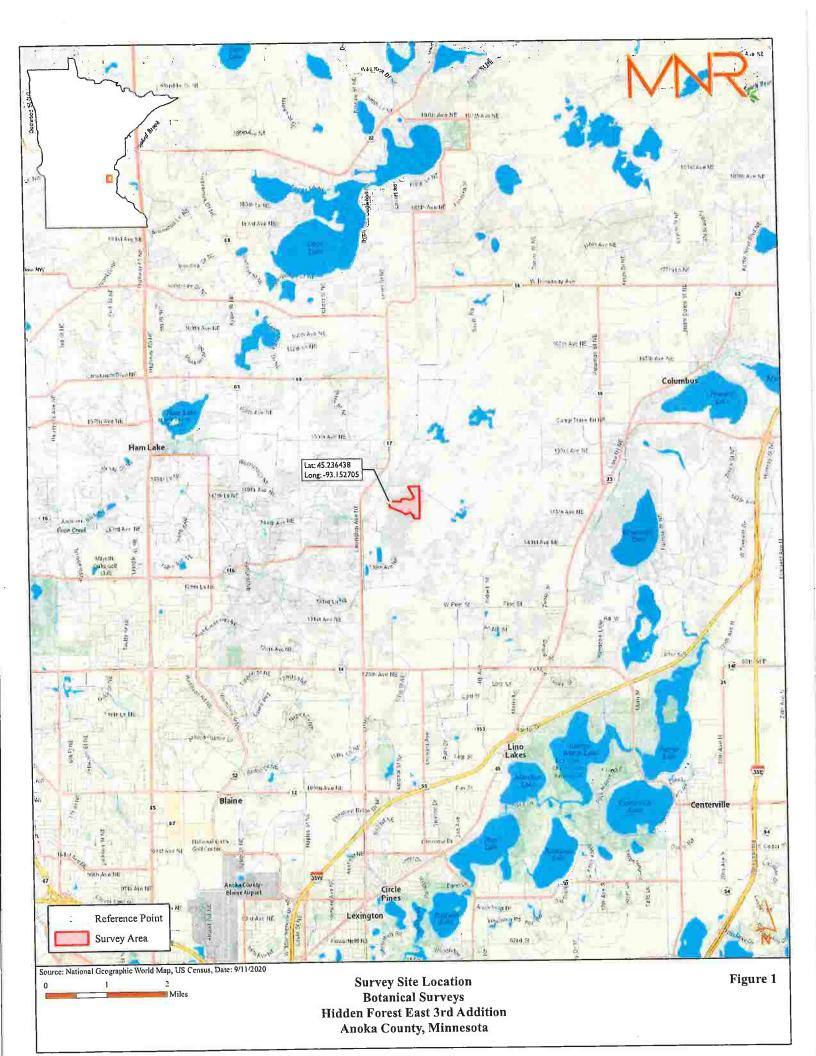
Please also note that we will be submitting this report to the DNR for concurrence and we will additionally submit our spatial data for incorporation into the Natural Heritage Information System database.

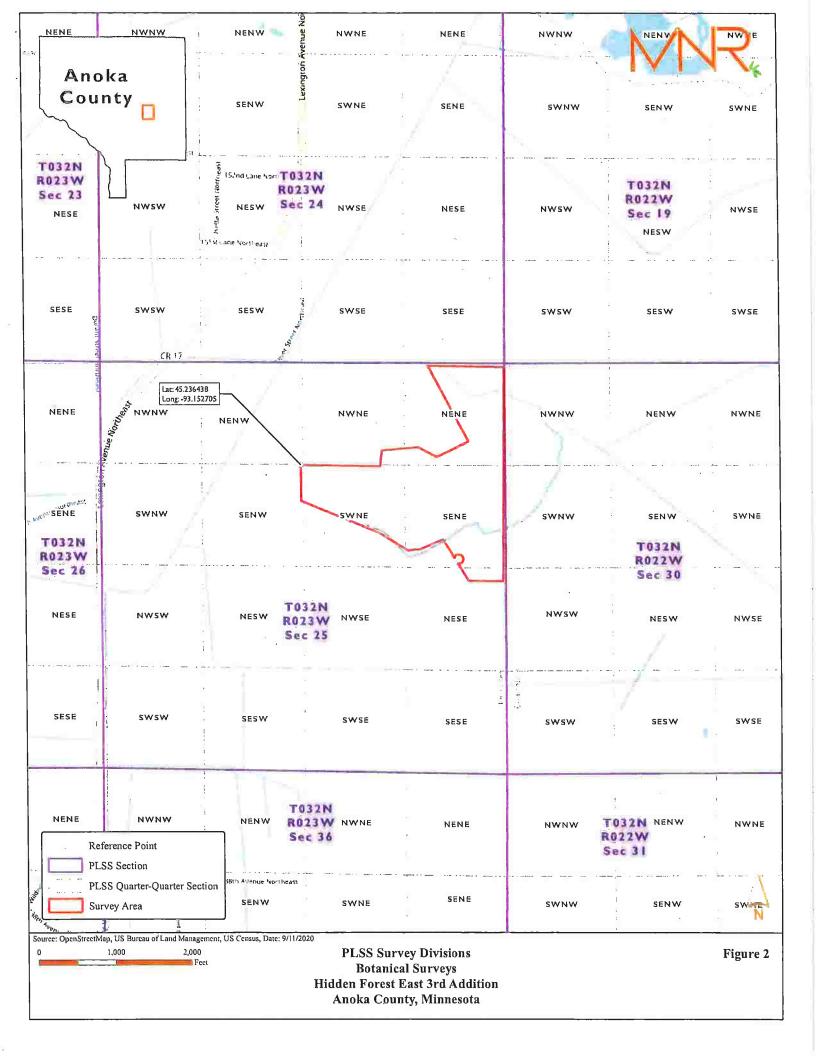
We appreciate the opportunity to assist you with your project and we welcome any questions or comments.

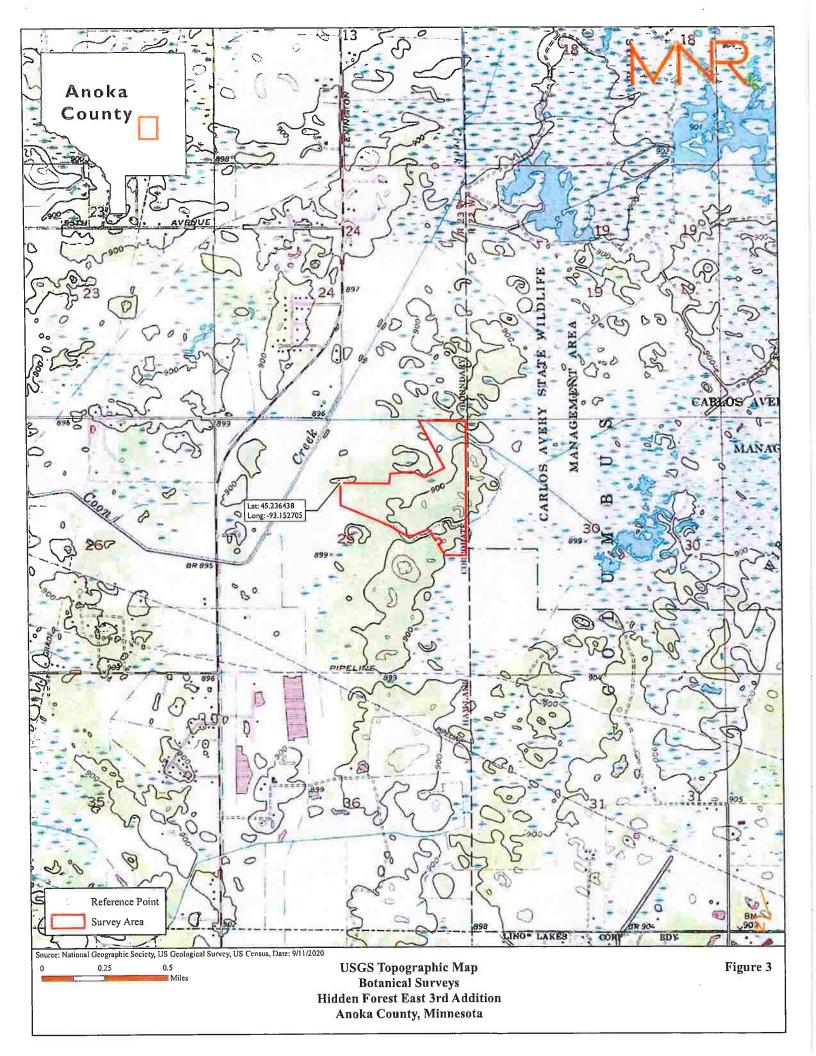
Respectfully submitted,

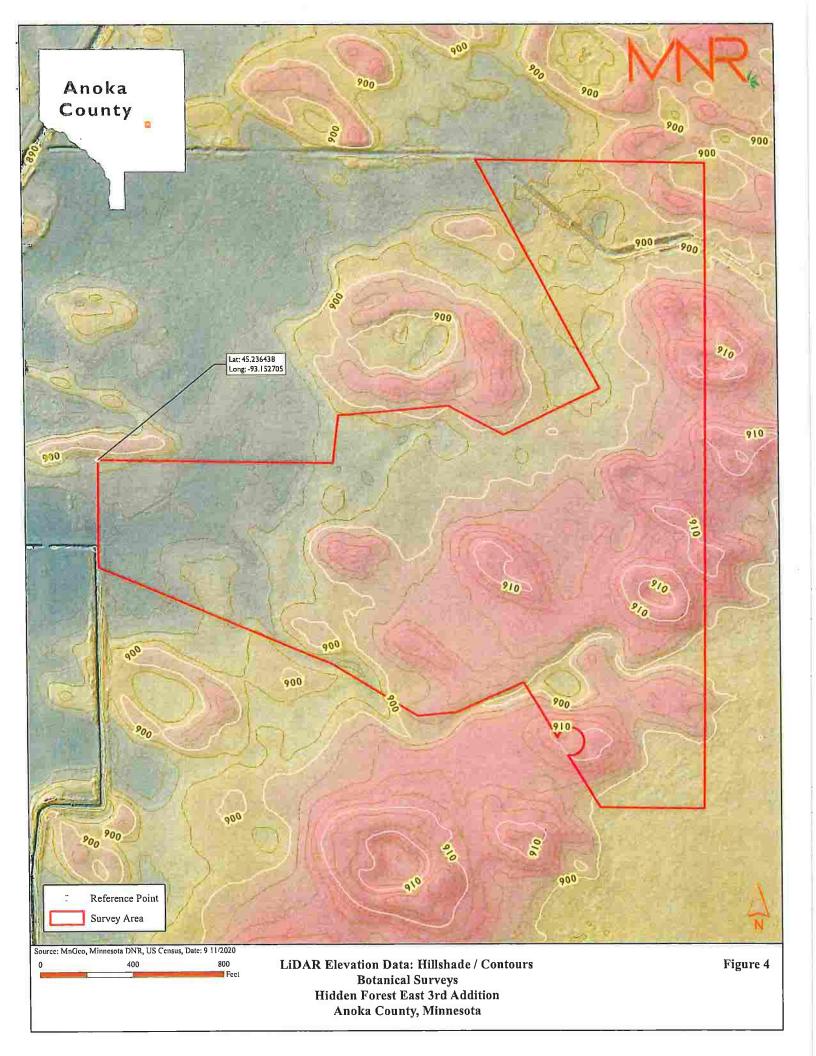
Scott A. Milburn, M.S. Principal Botanist/President Midwest Natural Resources, Inc.

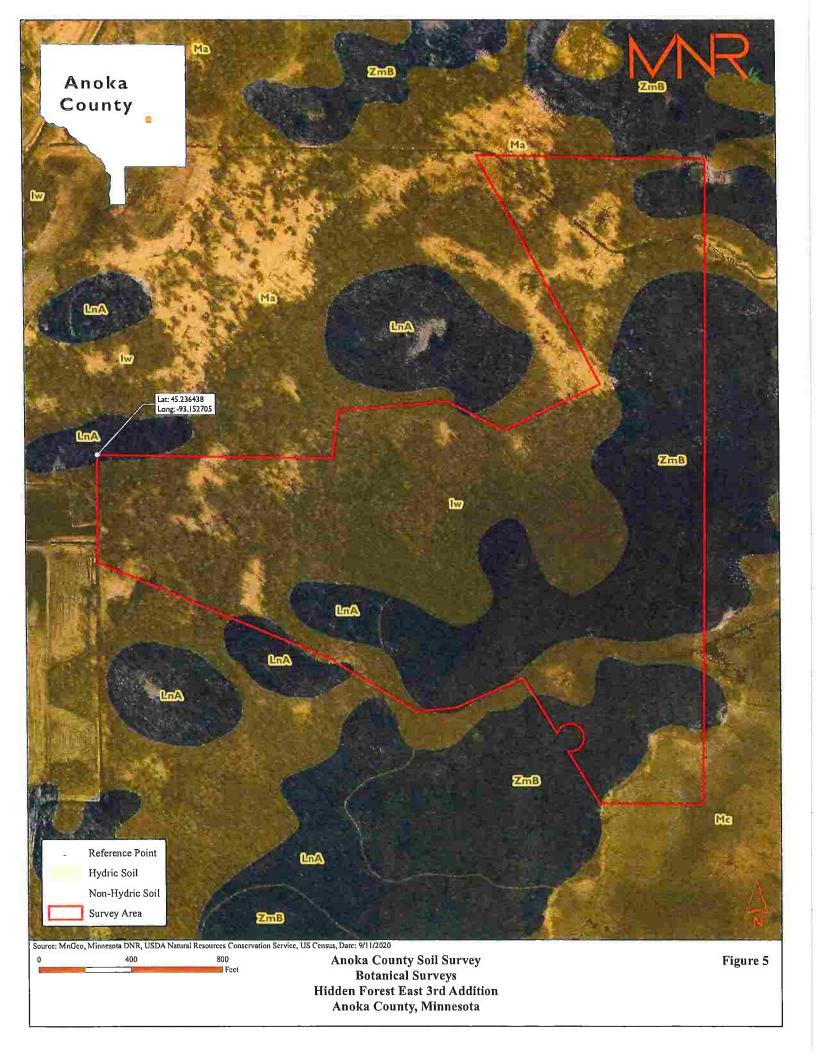
1. Claytosmunda claytoniana (L.) Metzgar & Rouhan

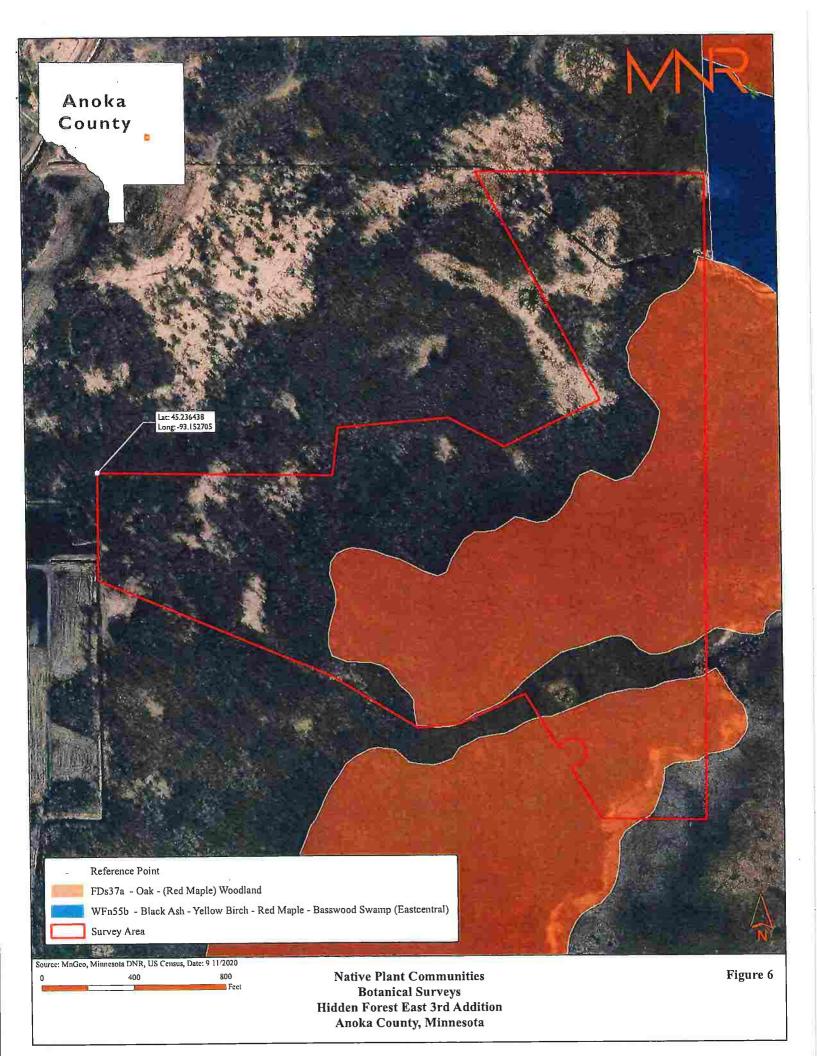


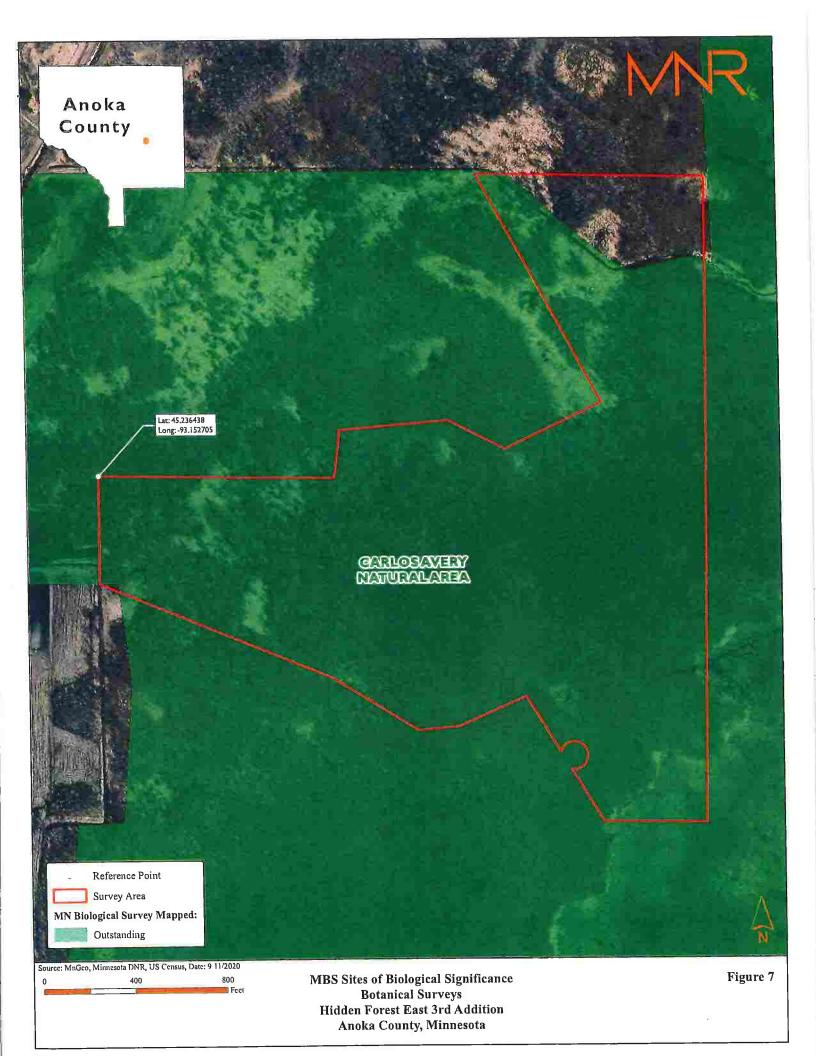














Appendix A

Survey Protocol Correspondence



Ms. Lisa Joyal Endangered Species Review Coordinator Minnesota Department of Natural Resources Ecological & Water Resources 500 Lafayette Road St. Paul, MN 55155

August 20, 2020

Ms. Joyal,

Midwest Natural Resources, Inc. (MNR) is intending to conduct a rare plant survey within the 82.5-acre property located east of Lever Street Northeast in Ham Lake, Minnesota (Figure 1). This survey effort is being conducted for a proposed residential development project.

A formal request of the Natural Heritage Information System (NHIS) has not been requested at this time. However, we have been asked to conduct rare plant surveys within the project boundary. Given recent project authorization, we are looking to survey the site on this Saturday, August 22, 2020. Survey efforts will be conducted by two of our DNR approved rare plant species surveyors (Jake Walden/Scott Milburn).

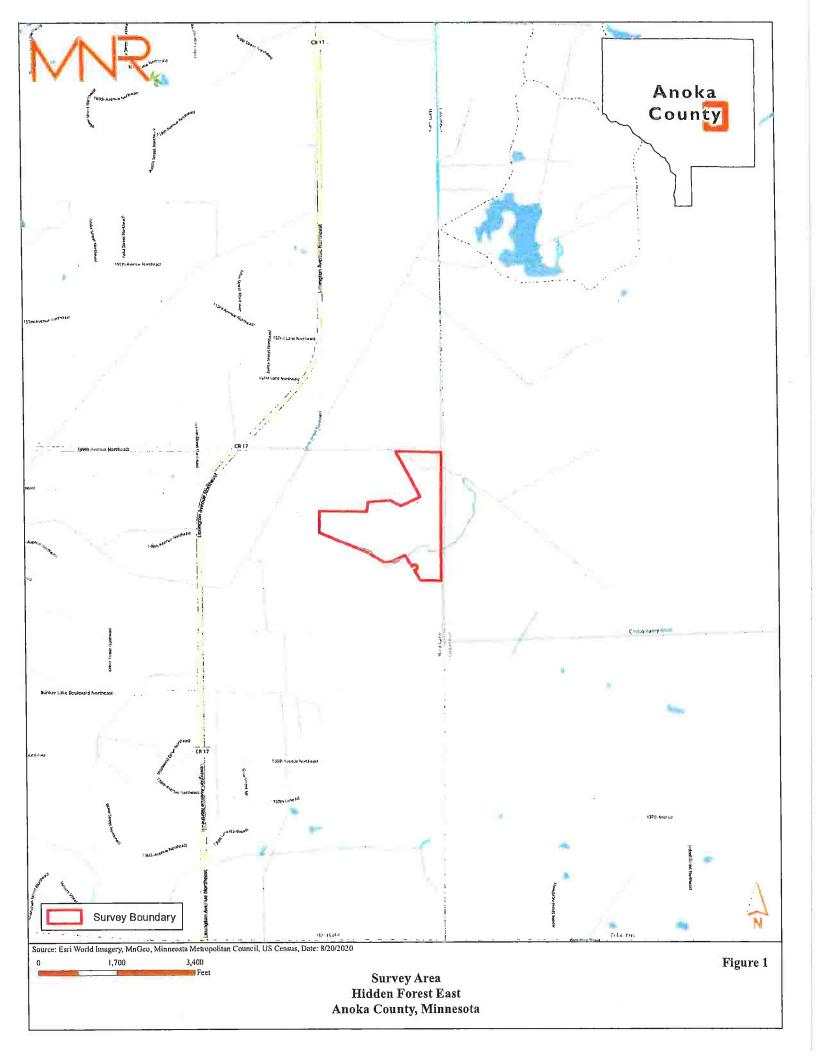
Survey efforts will involve documenting all species observed during this visit. Rare species, if encountered, will be documented spatially using sub-meter GPS units (Trimble GeoXT 6000 units). Species documentation will include notes on habitat, associate species, number of individuals observed within each population documented, and representative photos. Voucher collections will be made following the DNR's collection guidance procedure.

We will also evaluate the site at this time to determine the potential need for additional surveys next spring. A recommendation for further surveys will be made should we deem it to be necessary.

A summary report will be produced at the conclusion of field efforts. This document will include survey methods, survey results, report figures/graphics, and appendices (species lists and representative photos). The report along with the GIS shapefile, associated spreadsheet, and an email from Welby Smith verifying specimen identification will be submitted to the designated NHIS email address should we have positive results.

Please let us know if you have any questions.

Scott A. Milburn, M.S. Principal Botanist/President Midwest Natural Resources, Inc.



Appendix B

Species List

	Species List	
Acer negundo	Eleocharis ovata	Phalaris arundinacea
Acer rubrum	Elymus hystrix	Phragmites australis
Ageratina altissima	Epilobium coloratum	Phryma leptostachya
Alisma subcordatum	Epilobium leptophyllum	Poa palustris
Amelanchier sp.	Equisetum fluviatile	Polygonatum pubescens
Amphicarpaea bracteata	Equisetum sylvaticum	Populus grandidentata
Anemone quinquefolia	Erechtites hieraciifolius	Populus tremuloides
Apocynum androsaemifolium	Erigeron strigosus	Prunus serotina
Aquilegia canadensis	Eurybia macrophylla	Pteridium aquilinum
Aralia nudicaulis	Fallopia scandens	Quercus alba
Athyrium filix-femina	Festuca subverticillata	Quercus ellipsoidalis
Betula papyrifera	Fraxinus pennsylvanica	Quercus rubra
Bidens connata	Galeopsis tetrahit	Ranunculus abortivus
Bidens frondosa	Galium boreale	Ranunculus sceleratus
Boehmeria cylindrica	Galium triflorum	Rhamnus cathartica
Botrychium virginianum	Gaylussacia baccata	Ribes cf. hirtellum
Brachyelytrum aristosum	Geum canadense	Ribes missouriense
Bromus pubescens	Glyceria borealis	Rubus allegheniensis
Calamagrostis canadensis	Glyceria grandis	Rubus cf. dissensus
Carex cf. projecta	Hackelia deflexa	Rubus idaeus var. strigosus
Carex debilis var. rudgei	Helianthus hirsutus	Rubus occidentalis
Carex deweyana	Ilex verticillata	Rubus pubescens
Carex gracillima	Impatiens capensis	Sagittaria latifolia
Carex intumescens	Iris virginica	Salix petiolaris
Carex lacustris	Lactuca biennis	Scirpus cyperinus
Carex pensylvanica	Leersia oryzoides	Scirpus pedicellatus
Carex radiata	Lindernia dubia	Scutellaria galericulata
Carex retrorsa	Liparis loeselii	Scutellaria lateriflora
Carex stricta	Lycopus uniflorus	Solidago altissima
Cicuta bulbifera	Maianthemum canadense	Solidago gigantea
Cicuta maculata	Matteuccia struthiopteris	Spiraea alba
Circaea lutetiana	Monotropa uniflora	Spirodela polyrrhiza
Cirsium arvense	Myosoton aquaticum	Stachys palustris
	Onoclea sensibilis	Symphyotrichum lateriflorum
Cirsium vulgare	Orthilia secunda	Thalictrum dioicum
Claytosmunda claytoniana	Oryzopsis asperifolia	Thelypteris palustris
Conyza canadensis	Osmorhiza claytonii	Toxicodendron rydbergii
Cornus racemosa		Trientalis borealis
Cornus sericea	Osmunda regalis Osmundastrum cinnamomeum	Typha x glauca
Corylus americana		Ulmus americana
Corylus cornuta	Ostrya virginiana Parthenocissus vitacea	Urtica dioica
Cuscuta gronovii		Uvularia sessilifolia
Desmodium glutinosum	Persicaria arifolia	
Doellingeria umbellata	Persicaria hydropiper	Vaccinium angustifolium
Dryopteris carthusiana	Persicaria lapathifolia	Vaccinium myrtilloides
Dryopteris cristata	Persicaria minor	Viburnum lentago
Echinochloa muricata	Persicaria sagittata	Viola conspersa

Species List		
Viola sp.		
Vitis riparia		
Zanthoxylum americanum		
Zizia aurea		
······		
		· · ·
		· · · · · · · · · · · · · · · · · · ·

Appendix C

Representative Photos



Southern Dry-Mesic Oak (Maple) Woodland, oak - (Red maple) woodland subtype (FDs37a)



Southern Dry-Mesic Oak (Maple) Woodland, oak - (Red maple) woodland subtype (FDs37a)

C-1



Representative Wetland Photo



Representative Wetland Photo



Representative Wetland Photo

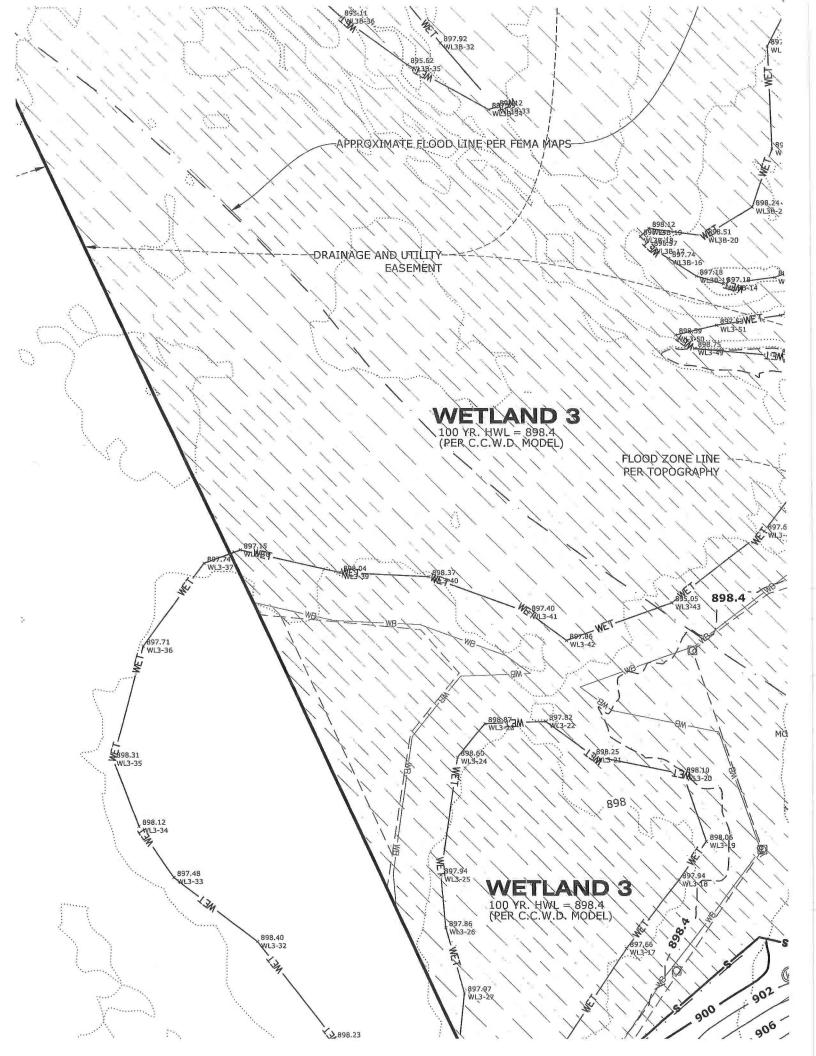


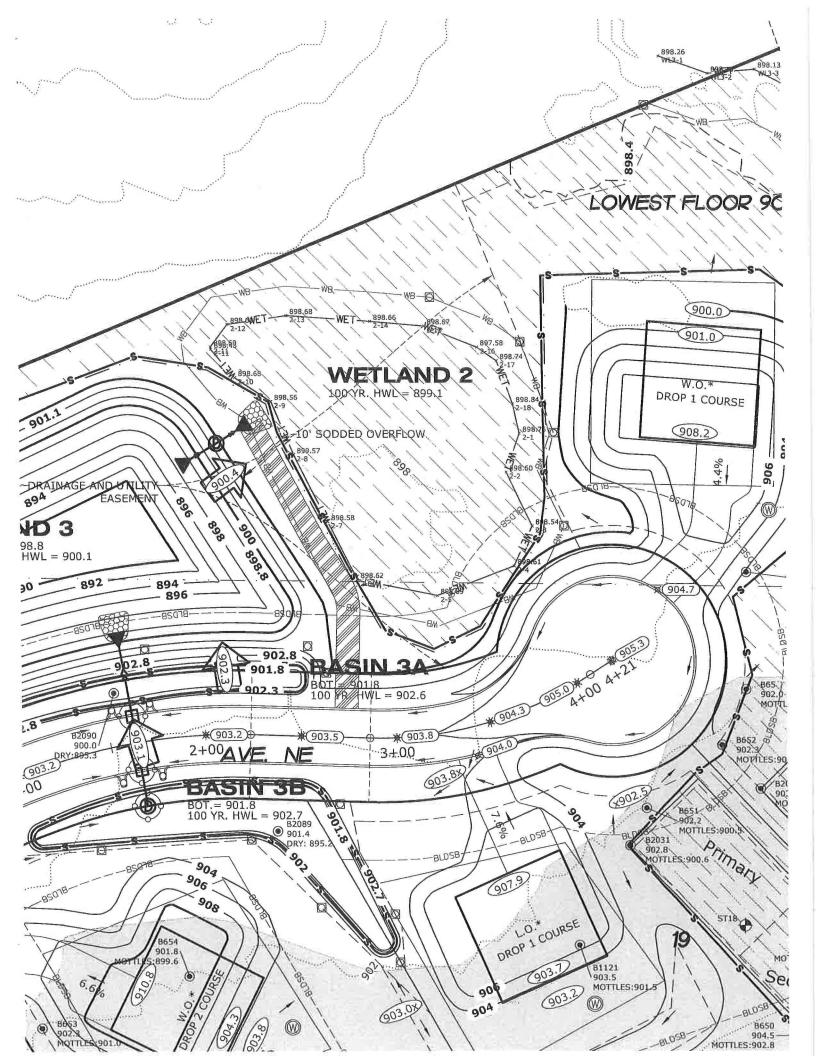
Black huckleberry (Gaylussacia baccata)

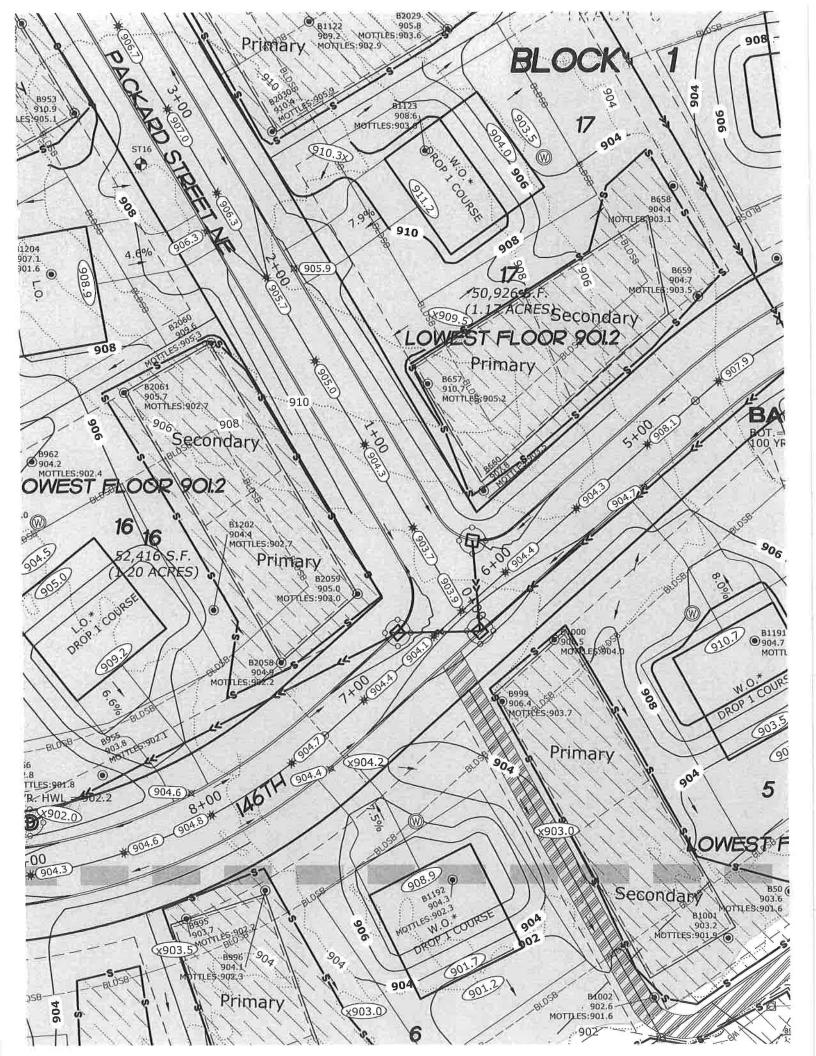
Hidden Forest East 3rd Addition, Ham Lake

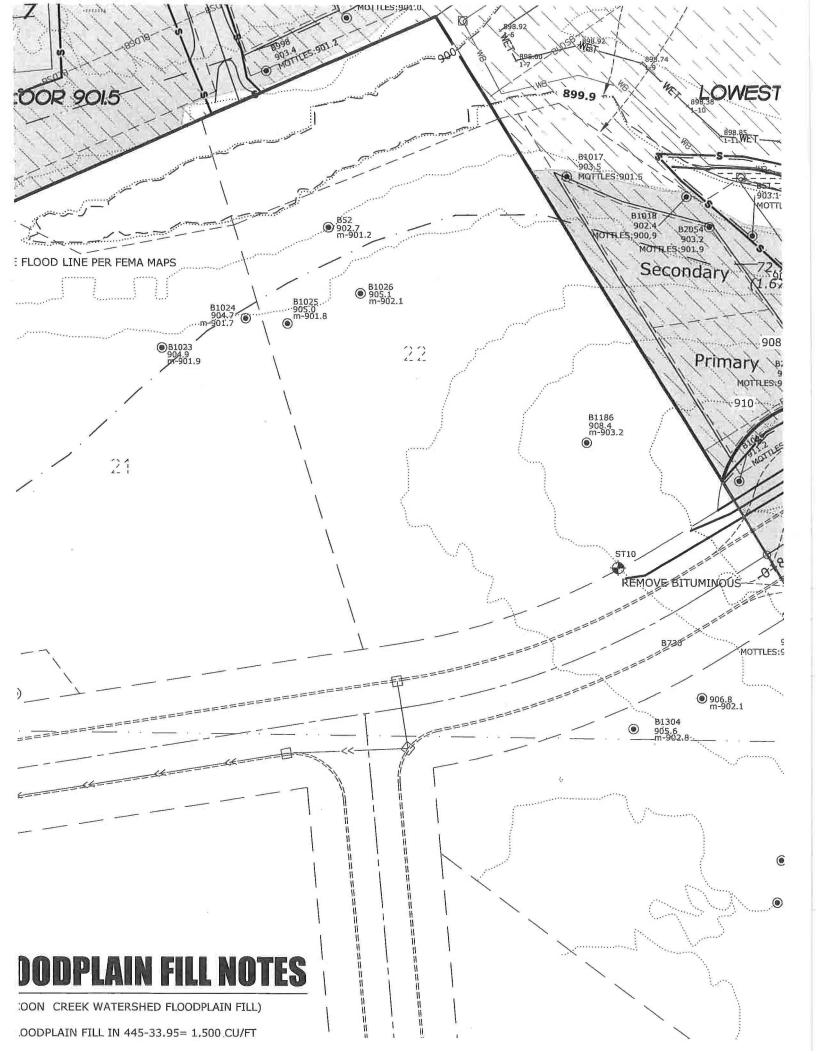
Rare Species Avoidance Plan

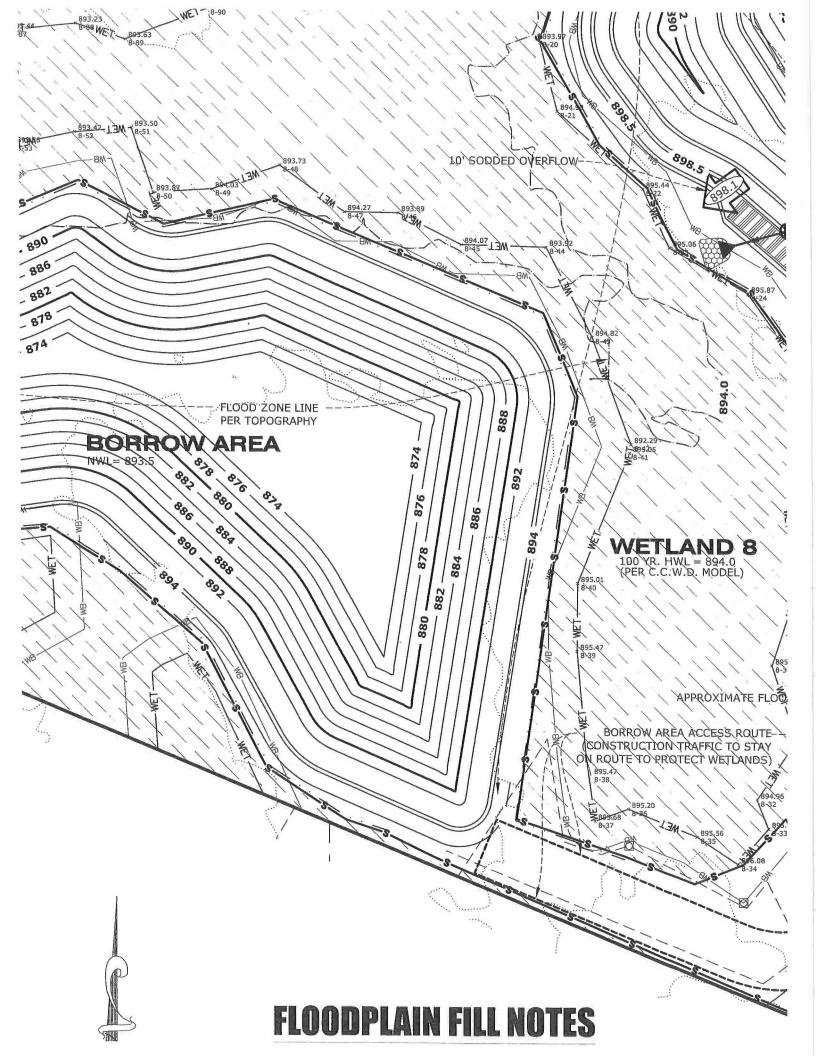
Attachment B











Don Krueger

Subject:

District Chief Buchholz remembrance

We have planned an informal gathering for all Ham Lake Fire Department firefighters, current and retired, to remember retired District Chief Marvin Buchholz. Please join us if you can for an informal gathering in support of each other, and to share memories of Marvin.

Sunday, June 27th 6:00 PM Fire Station #1 Pizza, cookies, soda and water provided

We are distributing this information to those we have contact information for. Please feel free to forward the information to other Ham Lake Fire Department retirees if you think they may not have received it.

Celebration of Life Service – no details are available as of today. Initial planning indicates something will be scheduled for the second half of July.

Don

Don Krueger City of Ham Lake 15544 Central Ave NE Ham Lake, MN 55304 763-235-1665



CITY OF HAM LAKE

15544 Central	Avenue	NE
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REQUEST

PLANNING

Ham Lake, MN 55304 Phone (763) 434-9555 Fax (763) 235-1697

,	Those (703) 404-3555 Tax (705) 255-1037	
Date of Application 4/5/21	Date of Receipt <u>4-13-21</u> Receipt # <u>89413</u>	
	Receipt # 89413	
Meeting Appearance Dates: Planning Commissi	ion <u>4-28-2021</u> City Council	
Please check request(s):		
Metes & Bounds Co	nveyance Commercial Building Permit	
Sketch Plan	Certificate of Occupancy	
Preliminary Plat Apple	proval* Home Occupation Permit (Special)	
Final Plat Approval	Conditional Use Permit (New)*	
Rezoning*	Conditional Use Permit (Renewal)	
Private Kennel Lice	nse*Other	
) *NOTE: Advisor: Simpons is require		
	ired for land use alterations and future road connections. This a Public Hearing. Such fees shall be deducted from deposit.	
Development/Business Name:	Bickford's BBQ, LLC	
Address/Location of property:	4745 Baltimore St NE Hem Lake, MN 55304 THAT PRI OF LOT & SO BLK DESC AS FOL: BEG AT THE SE LOR OF SO LOT 3/TH N O DEGOD MN DE SEC E ASSMO PRG ALL THE E LINC OF SO LOT 3.450 LOT Z BLK I NORTH PINES 200 MOD (SUBJ TO Ease ASSHOWN ON PLAT) PP GERP Current Zoning <u>R-1</u> Proposed Zoning	
> LOT 3 BLK & NORTH PINES 2Nd HOD TOG/W	THAT PLI OF LOT & SU BLK DESC AS FOL: BEG AT THE SE LOR OF SU LOT 3 TH	
Legal Description of property:	LOT Z. BILL I NO ROTH PINES 200 1000 (SUBT TO EASE AS SHOWN ON PLAT)	
PIN # 11.5 acrest 29-32-23-11-0009	2 go Current Zoning R-1 Proposed Zoning	
Notes: 2 LOTS POTAL		
Notes: <u>2 LO73 POZPAU</u>	APPROX 15 acres	
Applicant's Name: <u>Don 4 L</u>	Sa BICKFORD	
Business Name: Bickfor	d's BBQ	
Address 14795 Ba	timore STNE	
City Hamlaha,	State MN Zip Code 55304	
Phone	Cell Phone 612,859,6773 (00) Fax	
	Cell Phone 612.859.6773 (DO) Fax 612.867.5115 (LISH) highlightplinting.com	
Email address 115 ab C.	highlightprinting.	
You are advised that the 60-day re	eview period required by Minnesota Statutes Chapter 15.99 does	
	uired items have been received by the City of Ham Lake.	
the last of the la		
SIGNATURE	DATE 4/5/21	

- FOR STAFF USE ONLY -		
ACTION BY: Planning Commission City Council		
City Council	PROPERTY TAXES CURRENT YES NO	



CITY OF HAM LAKE

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

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 28, 2021 at 6:01 p.m. at the City Hall located at

15544 Central Avenue NE for the purpose of considering the application of Don and Lisa Bickford

requesting a Special Home Occupation Permit to operate Bickford's BBQ, LLC, a barbeque catering

business, at 14745 Baltimore Street NE, a parcel of land situated in the City of Ham Lake, Anoka County,

Minnesota and which is described as follows to wit:

PID# 29-32-23-11-0009 and 29-32-23-12-0005

LOT 3 BLK 1 NORTH PINES 2ND ADD TOG/W THAT PRT OF LOT 8 SD BLK 1 DESC AS FOL: BEG AT THE SE COR OF SD LOT 3; TH N 0 DEG 00 MIN 06 SEC E ASSMD BRG ALG THE E LINE OF SD LOT 3, 480 FT; TH S 61 DEG 01 MIN 58 SEC E 270 FT; TH S 22 DEG 34 MIN 55 SEC E 157.58 FT; TH S 35 DEG 31 M IN 34 SEC E 287 FT + OR -TO THE C/L OF COON CREEK; TH SWLY ALG SD C/L TO INTER WITH A LINE THAT BEARS S 74 DEG 17 MIN 12 SEC E FROM THE POB; TH NWLY ALG SD LINE TO THE POB; SUBJ TO EASE OF REC

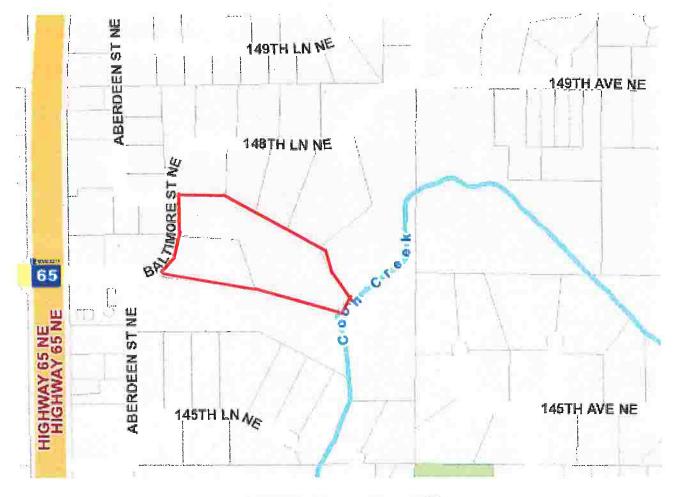
AND

NORTH PINES SECOND ADDITION LOT 2 BLK 1 NORTH PINES 2ND ADD(SUBJ TO EASE AS SHOWN ON PLAT)

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

DATED: June 18, 2021

Jennifer Bohr Building & Zoning Clerk City of Ham Lake



14745 Baltimore Street NE



Anoka County Parcel Viewer





Anoka County GIS

 Parcel Information:
 Approx. Acres: 10.4

 29-32-23-11-0009
 Commissioner: JULIE BRAASTAD

 14745 BALTIMORE ST NE

 HAM LAKE

 MN 55304

 Plat: NORTH PINES SECOND ADDITION

1:4,800

Owner Information:

Disclaimer: Map and parcel data are believed to be accurate, but accuracy is not guaranteed. This is not a legal document and should not be substituted for a title search, appraisal, survey, or for zoning verification.

Date: 6/23/2021

CITY OF HAM LAKE STAFF REPORT

To: Planning Commission

From: Mark Jones, Zoning & Building Official

Subject: Special Home Occupation Permit for Bickford's BBQ, LLC at 14745 Baltimore St NE

Introduction:

Lisa and Don Bickford are applying for a Special Home Occupation Permit to run a BBQ catering business at their residence located at 14745 Baltimore Street NE. To meet Anoka County Environmental Health Department requirements, the catering business needs to be operated from a commercial kitchen, with commercial grade equipment. The Bickfords intend to operate this business within 700 square feet of an existing accessory building located on their property that they intend to remodel. Food preparation will be done within the commercial kitchen and any smoking process will be done outside under an approved shelter. Under Article 9-350.3 Special Home Occupation Permits, a party desiring to conduct a Home Occupation in a Garage or Accessory Building, under conditions meeting the remaining requirements of Article 9-350, may apply for a Special Home Occupation Permit.

Recommendation: I recommend approval of a Special Home Occupation Permit for Don and Lisa Bickford subject to meeting all city, state and county requirements prior to offering any catering services to the public, no obvious outward indicia of the activities being carried on under the Special Home Occupation Permit, no customer traffic, no noise generated which is audible to nearby properties, no odor, no outside storage which is visible from nearby properties or public ways and all trash to be disposed of as to not attract rats, mice, or vermin. Any conditions that might be placed on the delivery of catering items and the vehicle(s) used to deliver them can be discussed during the Planning Commission meeting.

Jennifer Bohr

From:	Lisa Bickford <lisab@highlightprinting.com></lisab@highlightprinting.com>
Sent:	Wednesday, June 16, 2021 11:40 AM
То:	Jennifer Bohr
Cc:	Don Bickford
Subject:	BICKFORD'S BBQ - SPECIAL HOME OCCUPATION PERMIT FOR BBQ BUSINESS - 6.16.21

Caution: This email originated outside our organization; please use caution.

Summary of Request:

Approval for a Special Home Occupation Permit to operate our small BBQ catering business: "BICKFORD'S BBQ".

About us:

- Don & Lisa Bickford. Residents of Ham Lake since 2007
- Printing company owners since 1996.
- Championship-level BBQ competitors since 2006.

Vision:

- A small, part-time, seasonal, BBQ catering "side-gig", operated out of our detached structure, with no intention to grow beyond what Don and Lisa can handle.
- No employees.
- Hours of operation: between the hours of 9-6, and no more than 20 hours per week, primarily from June-August, with some occasional activity in April, May, September, and October, and almost no activity from November thru March.
- Continue to donate BBQ to Veterans and other non-profits, along with the paid catering gigs.

The space:

- The detached structure, along with our house, are both situated on almost 15 acres, located 1 block off of Hwy 65 and 147th. (One lot is about 3.5 acres, the other is about 11.5 acres house and detached structure are both on the 11.5 acre lot.)
- The existing structure is well built, including concrete floors, newer roof and siding, and a large concrete pad in front.
- Work area will meet all city, county, and state requirements for a commercial kitchen, including water source, septic holding tank, venting, grease trap, floor drains, etc.
- Work area will have its own entrance (in the same place the door is now) and be certified with Anoka County as
 a commercial kitchen.

Remodel:

- Remodel approximately 700 square feet to the INSIDE of the existing structure.
- Entire remodel will be completed by licensed contractors, plumbers, and electricians, and permitted and inspected as required by the city of Ham Lake, Anoka County, and the State of MN
- All Ham Lake requirements will be met:
 - Proper septic and well
 - o Proper grease trap and drains
 - o Proper venting
 - o Etc.
- All Anoka County requirements for a commercial kitchen will be met:
 - o Smooth, durable, easily cleaned walls, ceiling, and floors
 - o Stainless counters, tables, shelving, etc.

- o Commercial grade oven, freezers, refrigerators, blast chiller, etc.
- o Triple sink, hand-wash sink, mop sink
- o Appropriately positioned floor drains
- o Etc.

Not disruptive to neighbors:

Sight-line:

- Structure entrance faces Baltimore Street NE, is about 200 yards from the end of the driveway, and is not
 visible from the road due to dense evergreen/woods
- Closest neighbor (1510 147th Ave NE, Marjorie Erickson) is 387' from the entrance door to the structure. Their home is also in dense evergreens, with additional full grown pine and other dense tree plantings that further disrupt the view between the 2 properties.
- All other neighbors are 500' 1680' from the structure with no site-line to the structure because of treed screens and/or 200'+ berm that is abutted to, and extended beyond, the north side of our house.
- From the outside, there will be no visible difference from what it looks like now.
 - We have 1 smoker that will continue to be stored indoors when not in use, no other equipment will be outside.
- Catering deliveries will be made in our personal vehicle, between 9 and 6, in containers that keep the food at a safe temp (verbal OK from Anoka county 4.9.21).
- Food and supplies will be brought to the business in our personal vehicle, during working hours, in containers that keep the food at a safe temp (verbal OK from Anoka county 4.9.21).
- Occasional UPS deliveries for various supplies, no more than once per month.
- No food truck.
- No signage.
- No customer traffic.
- No large truck deliveries.
- No outside storage.

BBQ/smoking smell:

- Neighbors are almost 400' to almost 1700' away.
- On Saturday, April 10th, I was able to visit and connect with about half of the surrounding neighbors, all indicated that they had never smelled BBQ smells from our property and were not concerned if they happened to in the future.
- BBQ/smoking will generally be infrequent, no more than a few times per month, for no more that 6 hours at a time, and will be done between 9am and 5pm.

Vibration/Noise:

 Equipment consists of smoker, ovens, refrigerators, freezers, etc. Except for the smoker that is outside when in use, everything else is inside, has been running for years, and doesn't create vibration. I verified this with the neighbors.

Waste:

- Outdoor waste receptacle will consist of 1 residential garbage bin to reside where it is now
- Garbage is bagged before putting in outdoor receptacle.
- Weekly garbage removal service.

Rodents, flies, etc.:

- Garbage is securely bagged and tied before being put in exterior receptacle.
- There will be a cement block placed on top of the outdoor garbage receptacle at all times to make sure critters can't get it.
- There is no sign of mice/rodents in the business area presently, but mousetrap/bait-stations are in place and we will call an exterminator if it becomes necessary.
- Note: while smells, rodents, insects, etc. wouldn't bother neighbors because of the distance, they are intolerable to us and will be handled immediately.

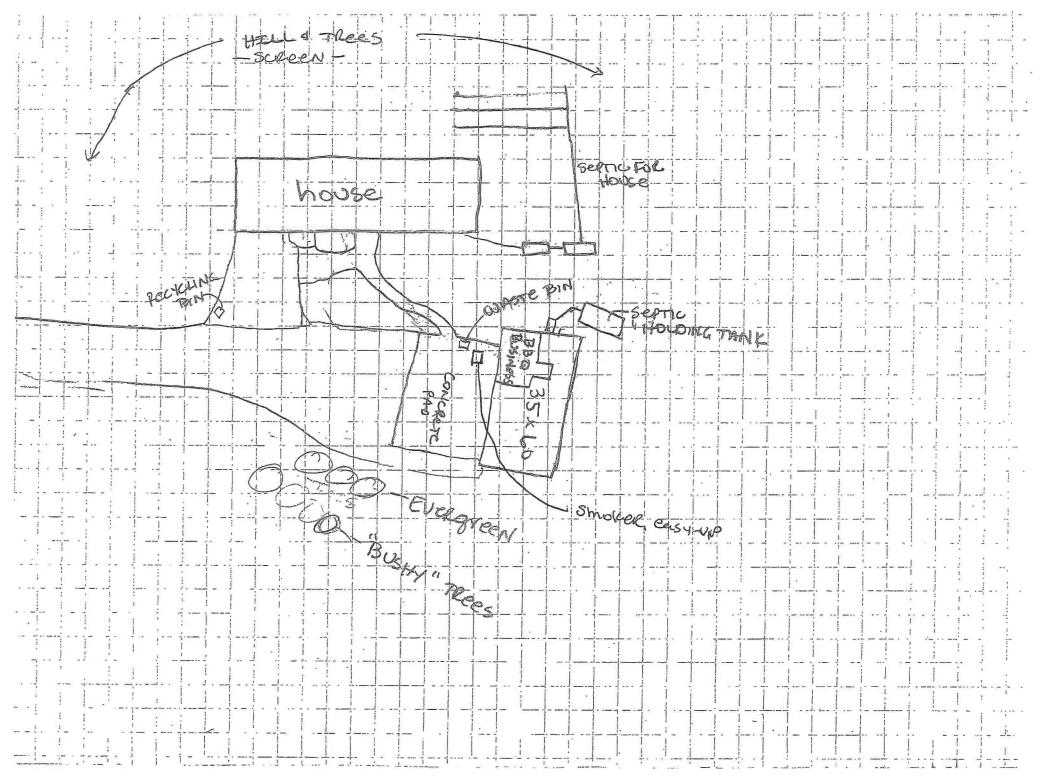
Water/Septic/Floor Drains:

- We don't require much with regards to septic/water because all cooking is done in single-use aluminum pans.
- Septic: holding tank situated to north/west of the structure it will be inspected to make sure it complies with MN Rule 7080. We have provided the City of Ham Lake with a Sewage Tank Compliance Certification Form.
- Well:
- We will meet all state, county, and city requirements with regards to sealing and inspecting the shallow well that is presently in the structure (it was there when we bought the property).
- We will bore a connection from our house well to the BBQ structure see DOH letter dated 6.3.21.
- Some floor-drains are in place, but we are prepared to move and/or add grease traps and tell-tail drain(s) as required.

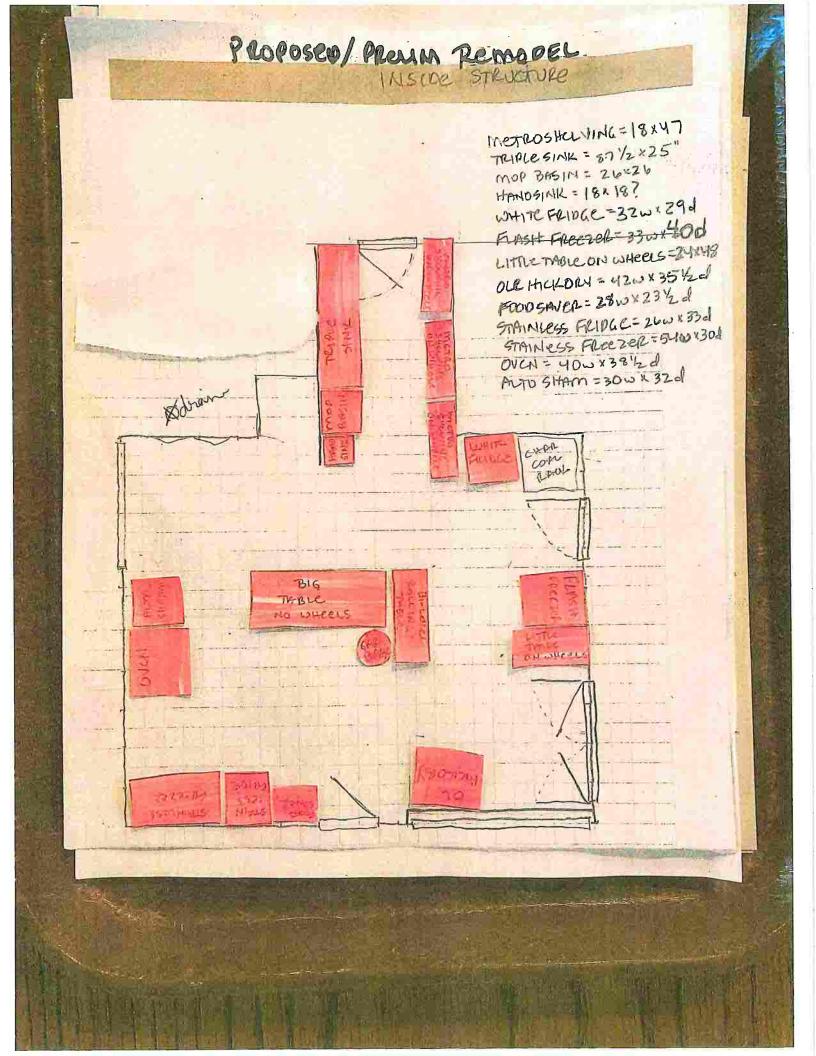
Addt'l Information:

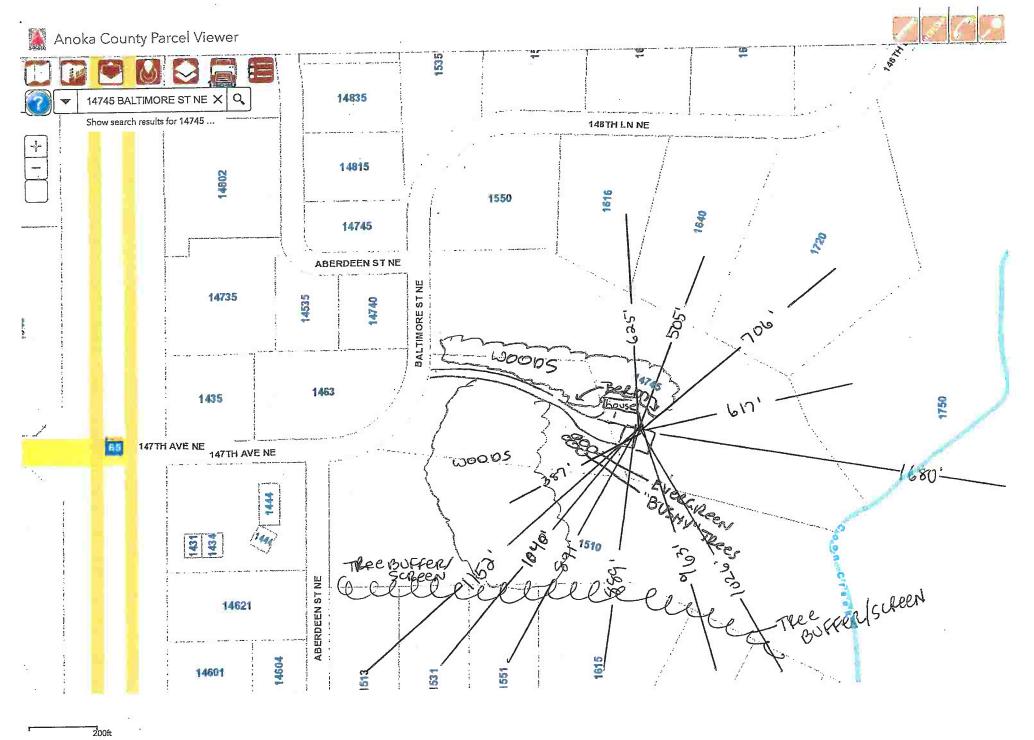
- As required by Anoka County, we will update our Food Safe Certification and get CFPM (Certified Food Protection Manager) certification prior to opening.
- Anoka County requires a dishwashing machine OR a triple sink, not both. We plan to have a triple sink.
- Exterior views, preliminary plans to the interior space, and Anoka County requirements are included with our packet of info. We will follow-up with final plans after Anoka County provides guidance with regards to "Food and Lodging" Licensing requirements. When plans are finalized we will provide a set to Anoka County and The City of Ham Lake for approval.
- On-going conversations with Mark Jones from The City of Ham Lake about venting, grease traps, and other considerations will be resolved before remodel begins.
- On-going conversations with Anoka County regarding mop sink, finishing materials, manufacturer specification sheets on all equipment, and other considerations will be resolved before remodel begins.

Thank you, Don and Lisa Bickford



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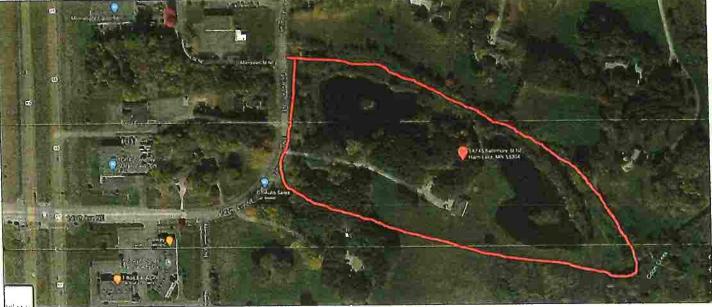
510,332.850 174,274.017 Feel

. BICKFORD'S BBQ

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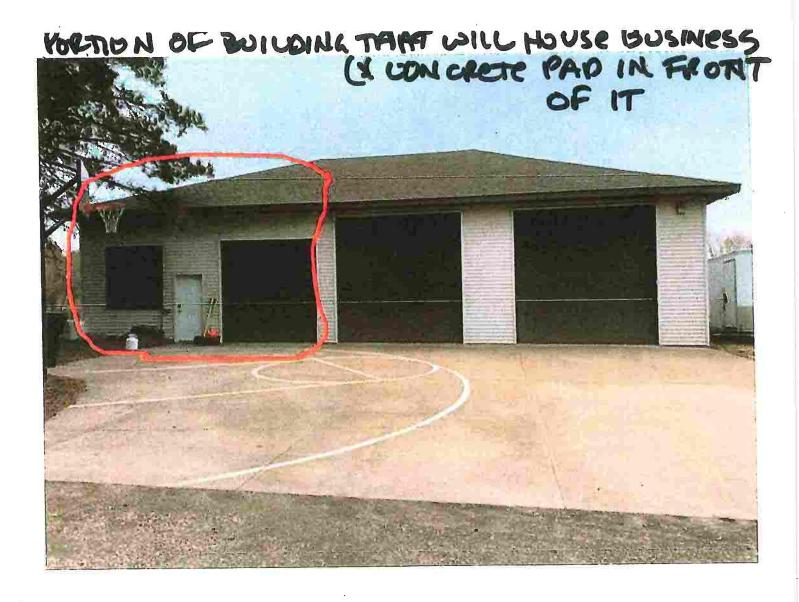
Lisa Bickford <lisab@highlightprinting.com> Mon 4/5/2021 6:54 AM To: Lisa Bickford <lisab@highlightprinting.com>

Property location:



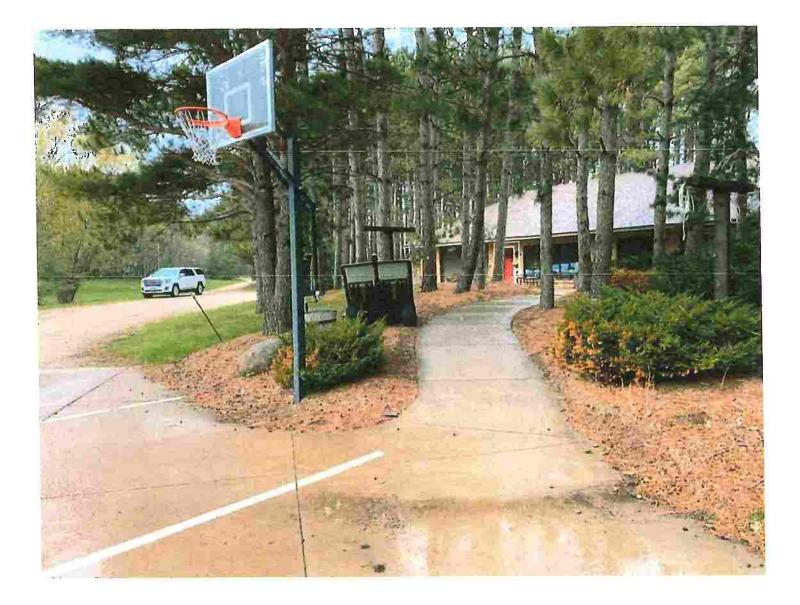


Portion of building that will house business, and concrete pad in front of it:





LOOKING NORTH







LOOKING SOUTHWEST



LOOKING SOUTH

City of Ham Lake

13

4/2021

9-350 Home Occupation Permits

A *Home Occupation* is a for-profit enterprise carried on in a residential dwelling, under circumstances in which there is no outward indication of the existence of the enterprise visible or otherwise detectable from outside the premises, and which otherwise meets the criteria specified below. A *Home Occupation* permit may be issued by the City Council after review and recommendation by the *Planning Commission*, and subject to any conditions imposed by the City Council. A *Home Occupation* permit may be revoked by the City Council, after affording due process of law to the applicant, if the conditions of issuance or any other ordinance feature are violated.

9-350.1 <u>Criteria</u> The following criteria must be observed for any

usage to qualify for a Home Occupation Permit.

a) Incidental Usage The usage must be clearly incidental and subservient to the usage of the premises as a dwelling, and may not occupy a significant portion of the dwelling unit living space;

b) Indoors All activities must be carried on indoors. No outside storage, except the parking of motor vehicles, shall be permitted;

c) **Parking** No on-street parking shall be generated, and no more than a total of four passenger motor vehicles may be parked at the premises in conjunction with the occupation, including employee and customer parking. All parking shall be on paved surfaces;

d) **Employees** No more than one employee who does not live at the residence shall be permitted;

e) **Traffic** The activity may not generate any traffic in excess of that normally generated by a residential dwelling unit;

f) Nuisance and Compliance The usage shall not generate any nuisance, and the landowner shall at all times be compliant with all other municipal codes, and the regulations of all other jurisdictions;

9-350.2 <u>Annual Review</u> All *Home Occupation* permits shall be reviewed annually by the City Staff, and shall automatically be renewed unless complaints have been received, in which case the permit shall be resubmitted to the *Planning Commission* for review and recommendation to the City Council.

9-350.3 <u>Special Home Occupation Permits</u> A party desiring to conduct a Home Occupation in a Garage or Accessory Building under conditions meeting the remaining requirements of Article 9-350 may apply for a Special Home Occupation Permit under the following procedure:

a) The applicant shall submit a site plan drawn to scale showing the locations and dimensions of all buildings and driveways on the

premises, and identifying the location where the Home Occupation activity will take place.

b) The applicant shall submit a narrative in sufficient detail to describe all aspects of the activity to be conducted and the locations of all such activity.

c) The Planning Commission shall conduct a Public Hearing on the proposed application, with mailed notice to all resident whose property lines come within 750 feet of the property lines of the applicant's lot, and published notice at least ten days prior to the hearing.

d) Following the Public Hearing, the Planning Commission shall make recommendations to the City Council, including such conditions as are deemed appropriate.

Notwithstanding any provision in Article 9-350.1 (a) to the contrary, a Special Home Occupation shall be mainly confined to the Garage or Accessory Building. A Special Home Occupation Permit shall be subject to the same provisions for revocation as Home Occupation Permits. In addition, notwithstanding any provision in Article 9-350.1 to the contrary, a Special Home Occupation may include uses that are normally not found in residential dwellings, as long as there are no obvious outward indicia of the activities being carried on under the Special Home Occupation Permit, no noise generated which is audible to nearby properties, no odor or vibration generated that is detectable to nearby properties, no outside storage which is visible from nearby properties or public ways and no customer traffic.

Special Home Occupations may involve up to one commercial delivery/pickup by outside delivery service van (such as UPS or Federal Express) or postal vehicle per day. Deliveries of goods produced at the site may be limited in scope and frequency by the approval process, including specifying the type of delivery vehicles that can be used, and including prohibition on commercial logos being displayed on delivery vehicles.