

CITY OF HAM LAKE

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

CITY OF HAM LAKE PLANNING COMMISSION AGENDA MONDAY, JUNE 26, 2023

CALL TO ORDER: 6:00 p.m.

PLEDGE OF ALLEGIANCE

APPROVAL OF MINUTES: June 12, 2023

PUBLIC HEARINGS:

- **6:01 p.m.** Richard and Diane Sylvester requesting Preliminary and Final Plat approval and rezoning of a portion of land from R-A (Rural Single Family Residential) to R-1 (Single Family Residential) of Toby's Trails (3 single family residential lots) located in Section 15.
- **6:01 p.m**. Jeff Stalberger, HFN Properties, LLC, requesting Preliminary Plat approval and rezoning of portions of land from R-A (Rural Single Family Residential) to R-1 (Single Family Residential) of Hidden Forest East 4th Addition (22 Single Family Residential lots and 3 out lots) in sections 24 and 25.

NEW BUSINESS:

1. Mitch Stone, Stone Construction, requesting Commercial Site Plan approval to construct a 12,992 square foot addition to Jam Hops at 1460 133rd Lane NE.

COMMISSION BUSINESS:

1. City Council Update

CITY OF HAM LAKE PLANNING COMMISSION MINUTES MONDAY, JUNE 12, 2023

The Ham Lake Planning Commission met for its regular meeting on Monday, June 12, 2023 in the Council Chambers at Ham Lake City Hall located at 15544 Central Avenue NE in Ham Lake, Minnesota.

MEMBERS PRESENT:	Commissioners Brian Pogalz, Dave Ringler, Jeff Entsminger, Jonathan Fisher and Erin Dixson
MEMBERS ABSENT:	Commissioners Kyle Lejonvarn and Scott Heaton
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 Dixson, seconded by Fisher, to approve the minutes of the May 22, 2023 Planning Commission meeting as written. All present in favor, motion carried.

PUBLIC HEARING:

Kevin Hentges, Hentges Turf Farm, Inc., requesting Preliminary and Final Plat approval for the Hentges Addition a Minor Plat (2 lots) in Sections 15 and 22 and rezoning of Lot 2, Block 1, Hentges Addition, from Rural Single Family Residential (R-A) to Single Family Residential (R-1)

Mr. Kevin Hentges was present. Mr. Hentges stated this plat is to divide the property so that his sister will own the parcel with the house on it and he will own the remaining land for his farm operation. Chair Pogalz verified that Mr. Hentges knew the septic system for the house needs to be relocated and an accessory building on Lot 2 will need to be removed. Mr. Hentges stated he is aware of that. Chair Pogalz asked Engineer Collins to comment on the project. Engineer Collins stated this is a minor plat and, as with other minor plats, driveways are not required to outlet onto paved streets; Naples Street NE and 155th Avenue NE are not paved streets. Engineer Collins stated a development agreement will not be required but the applicant must pay a \$200 drainage fund contribution and a \$2500 parkland dedication fee for each lot. Engineer Collins stated Mr. Hentges is aware that one accessory building needs to be removed as it encroaches into a drainage and utility easement on Lot 2; the existing septic system, including tanks, for

the existing house will need to be abandoned; and the existing shallow well located within proposed Lot 2 will need to be sealed. Engineer Collins stated the existing farm driveway encroaches into Lot 2 and the replacement driveway will be constructed directly north of Lot 2. Engineer Collins stated the zoning of Lot 1 will continue to be R-A, Rural Single Family Residential as it is farmland, the zoning for Lot 2 will be changed to R-1, Residential Single Family. Engineer Collins stated the project has received approval from the Coon Creek Watershed District. Engineer Collins stated the property lines of Lot 2 were created to meet setback requirements between the farm buildings and the dwelling unit; the existing house has an egress entry on the south side of the house which allows it to be considered the front entry; the front entry parallels 155th Avenue NE and will require a change of address. (Per Articles 11-411.2.C and 11-820.) Engineer Collins stated the City will assign an address of 155th Avenue NE; the property owner will need to contact the post office to determine the placement of the mailbox. Engineer Collins stated the Building and Zoning Official required a re-designation of the front vard in order to meet Code requirements. Engineer Collins stated the primary means of egress must be unobstructed so a garage cannot be added onto the southside of the house. Commissioner Ringler completed the inspection; a copy which is on file. Commissioner Ringler stated his recommendation reflects the comments made by Engineer Collins.

Chair Pogalz opened the public hearing at 6:07 p.m. and asked for public comment.

<u>Jerry Dahl, 1933 164th Lane NE</u>. Mr. Dahl asked why the City had determined to only construct cement curbs and new roadway in the Meadow Park plat. Chair Pogalz informed Mr. Dahl his question was unrelated to the plat under review and that he could speak with Engineer Collins after the meeting

Chair Pogalz closed the public hearing at 6:09 p.m.

Motion by Ringler, seconded by Fisher, to recommend approval of the request of Kevin Hentges, Hentges Turf Farm, Inc., requesting Preliminary and Final Plat approval for the Hentges Addition a Minor Plat (2 lots) in Sections 15 and 22 and rezoning of Lot 2, Block 1, Hentges Addition, from Rural Single Family Residential (R-A) to Single Family Residential (R-1) subject to designating the south side of the dwelling unit as the front yard, accepting an address change to meet Article 11-820 of City Code, removing the accessory building that encroaches into the westerly 10-foot wide drainage and utility easement of Lot 2, bringing the septic system into compliance within ninety days of recording of the final plat which includes abandoning the existing septic system, including tanks, for the dwelling unit and constructing a new septic system on Lot 2 for the dwelling unit, sealing the existing well, removing the Lot 1 driveway encroachment from Lot 2 and creating a new driveway access for Lot 1 north of Lot 2, paving the easterly 30-feet of the new driveway for Lot 2, paying a \$200 drainage fund contribution and a \$2,500 parkland dedication fee for each lot, meeting the requirements of the City Engineer and Building Official and meeting all City, County, and State requirements All present in favor, motion carried. This application will be placed on the City Council's June 20, 2023 agenda.

NEW BUSINESS: None

COMMISSION BUSINESS:

City Council Update

Chair Pogalz stated Senator Michael Kreun and Representative Nolan West provided a summary of laws passed during the recent legislative session and the impact the laws will have on residents, businesses and infrastructure in Ham Lake. Chair Pogalz stated the City Council concurred with the recommendation to approve the Temporary Conditional Use Permit for Seng Vang to raise pigeons. Chair Pogalz stated there was some discussion on the number of pigeons that can be released at one time for exercise. Chair Pogalz stated there was discussion about revising City Code related to raising pigeons. Chair Pogalz stated the City Council also concurred with the recommendation to approve the Conditional Use Permit and Commercial Site Plan for Fleet Star Truck and Trailer, LLC. A Planning Commissioner will not be present at the June 20, 2023 City Council meeting.

ADJOURNMENT:

Motion by Fisher, seconded by Dixson, to adjourn the Planning Commission meeting at 6:13 p.m. All present in favor, motion carried.

Jennifer Bohr Building and Zoning Clerk

CITY OF HAM LAKE PLANNING COMMISSION REQUEST APPLICATION INSPECTION REPORT

MTG DATE: <u>June 26, 2023</u>

INSPECTION ISSUED TO: Jeff Entsminger
APPLICANT/CONTACT: <u>Richard & Diane Sylvester</u>
TELEPHONE NUMBER:763-242-8866 or 763-229-1247; diane.sylvester@hotmail.com
BUSINESS/PLAT NAME: <u>Toby's Trails</u>
ADDRESS/LOCATION OF INSPECTION: <u>16220 Naples St NE</u>
APPLICATION FOR: Preliminary Plat & Rezoning
RECOMMENDATION:
DATE:
PLANNING COMMISSIONER SIGNATURE:

2011/10

PLANNING

CITY OF HAM L	LAKE
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15544 Central Avenue NE	1	5544	Central	Avenue	NE
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REQUEST

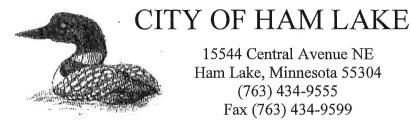
Ham Lake, MN 55304

Phone (763) 434-9555 Fax (763) 235-1697

Date of Application	Date of Receipt
Meeting Appearance Dates: Planning Commission	Recelpt #
Please check request(s): Metes & Bounds Conveyance Sketch Plan Preliminary Plat Approval* Final Plat Approval Rezoning* Multiple Dog License*	Commercial Building Site Certificate of Occupancy Home Occupation Permit Conditional Use Permit (New)* Conditional Use Permit (Renewal) Other
*NOTE: Advisory Signage is required for land use altera This application also requires a Public Hearing. Such fe	tions and future road connections. es shall be deducted from deposit.

Toby's Trails	
4220 NaplesS	t Han Lake ma
SEQANERA Sec	15 Township32 Range 23
Current Zoning RAZ	
ment	
ne Sylvester	
State MN	Zip Code <u>55304</u>
Cell Phone _763.229.1247	Fax
nail.com Diane.Sylvester@hotmail.com	
ew period required by Minnesot	a Statutes Chapter 15.99 does
red items have been received by	y the City of Ham Lake.
(ingeneration D	ATE 3/15/2023
FOR STAFF USE ONLY -	******
	<u>State MN</u> <u>State MN <u>State MN</u> <u>State MN <u>State MN</u> <u>State MN</u> <u>State</u></u></u>

City Council



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 26, 2023 at 6:01 p.m. at the City Hall located at 15544 Central Avenue NE for the purpose of considering the application of Richard and Diane Sylvester requesting preliminary plat approval and rezoning of a portion of land from R-A (Rural Single Family Residential) to R-1 (Single Family Residential) the development of Toby's Trails, a minor plat (3 residential) lots), in Section 15 a parcel of certain land situated in the City of Ham Lake, Anoka County, Minnesota and which is described as follows to wit:

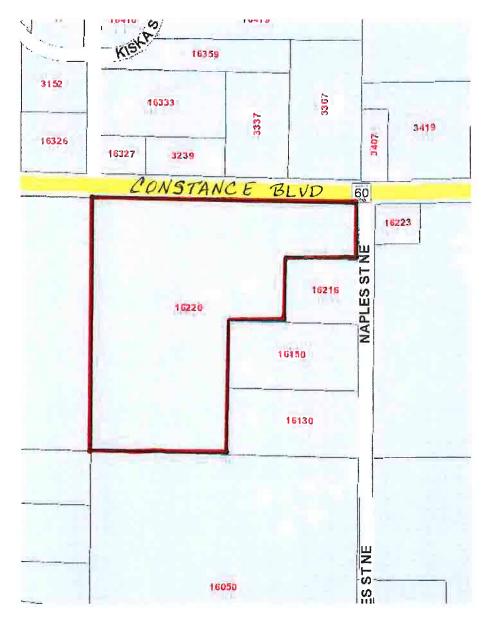
PID# 15-32-23-14-0004

SE1/4 OF NE1/4 SEC 15 32 23 EX E 657.04 FT OF S 663 FT OF SD 1/4,1/4, ALSO EX E 373 FT OF N 320 FT OF S 983 FT OF SD 1/4,1/4, (ALL DIST AS MEAS ALG & PRLL/W S & E LINES THEREOF); ALSO EX RD; SUBJ TO E ASE OF REC

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

DATED: June 16, 2023

Jennifer Bohr Building and Zoning Clerk City of Ham Lake



16220 Naples Street NE





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

Memorandum

Date:	June 22, 2023
То:	Planning Commissioners
From:	Tom Collins, City Engineer TPC
Subject:	Toby's Trails Minor Plat

Introduction:

The Preliminary and Final Plat for Toby's Trails subdivides the 25.78-acre 16220 Naples Street / 15-32-23-14-0004 parcel into three lots. The existing house and accessory building are located on proposed Lot 1. The parcel is currently split zoned, with Rural Single Family Residential (R-A) over the southerly portion and Single Family Residential (R-1) over the northerly portion. The entire parcel would be zoned R-1 following final plat approval. A 700-scale zoning map, 400 scale half-section map and a 400 scale aerial photo are attached.

Discussion:

The Final Plat, Preliminary Plat, Grading, Erosion Control and Tree Protection Plan, Livability Plan and Livability Plan and Chart received May 5th, the Utility Plan & Details and SWPPP received May 26th and the Stormwater Drainage Report received June 15th address the prior review comments. The proposed subdivision falls under the Minor Plat portion of City Code Section 10-101, which does not require that the existing driveway access a paved road.

The existing house and accessory building are to remain on Lot 1. The existing 3.200 square foot accessory building is under the 9-370.1 maximum allowed for a 10+ acre lot of 5,000 square feet. A compliance inspection will be required for the existing septic system per 11-450.4c of City Code. Per 10-430E.2 of City Code, the existing Lot 1 gravel driveway will have to be paved prior to consideration of any future building permits. That portion of the existing Lot 1 gravel driveway that encroaches into the 10-foot drainage and utility easement will need to be removed/relocated.

The drainage and utility easement over the northerly portion of Lot 2 and Lot 3 extends beyond the standard 10-foot drainage and utility easement to contain the 15-foot setback from the wetland and the stormwater infiltration basin. An Encroachment Agreement will be required for the Lot 2 and Lot 3 driveways encroaching into the drainage and utility easement adjacent to Constance Boulevard.

Per the attached 600-scale Thoroughfare Map, it is anticipated that there will be a future road extension of East Lake Netta Drive to the south of Constance Boulevard. The Final Plat includes 33-feet of right-of-way dedication, tapering to the southwest, in the northwest portion of Lot 1.

Because the minor plat is utilizing the existing infrastructure, and no construction is required other than individual lot development, a Development Agreement will not be required. The developer will need to pay a \$200 drainage fund contribution along with a \$2,500 parkland dedication fee for

each of the three lots. It is anticipated that there will be a future subdivision to create up to four new lots, similar to what was approved at the July 18, 2022 City Council meeting (attached), which would require the upgrade of Naples Street from Constance Boulevard to the southeast plat border.

The Soil Boring Test Report confirms that there is adequate area for a primary and secondary septic system for all three lots. The attached April 10th Tradewell septic certification certifies that the lots will support two standard septic systems in accordance with Minnesota Rules 7080.

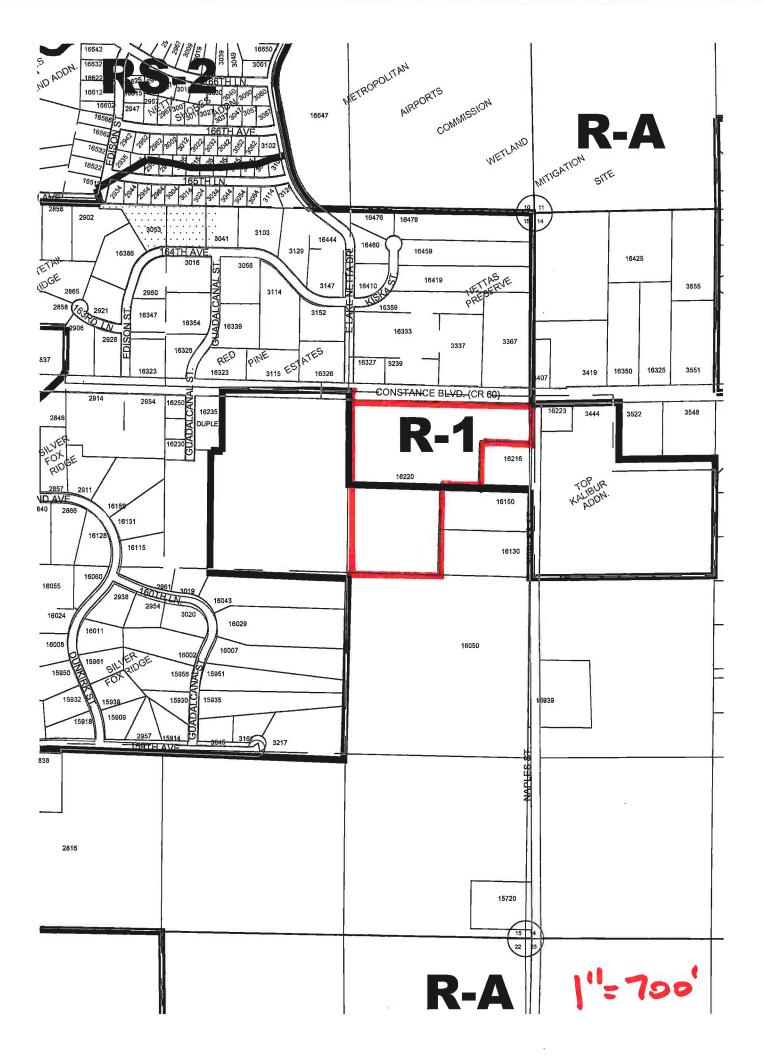
The Coon Creek Watershed District (CCWD) staff is recommending conditional approval at their June 26th Board of Directors meeting, per the attached June 12th email. The CCWD permit will be issued once the \$3,300 escrow is paid.

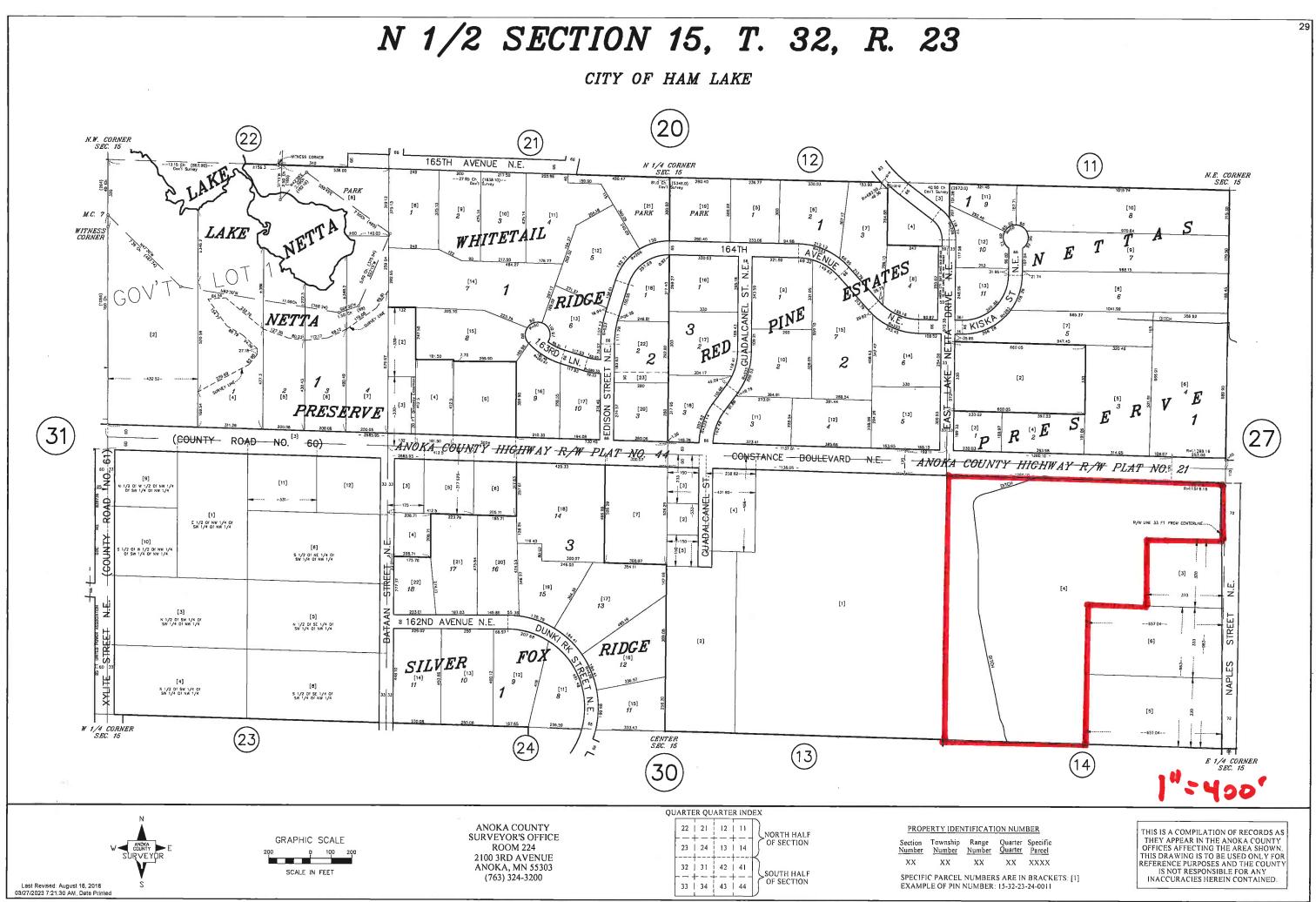
The attached April 17th Minnesota DNR Natural Heritage review for potential impacts to state-listed species and other rare features found that Blanding's turtles have been reported in the vicinity of the proposed project and may be encountered on site. If Blanding's turtles are encountered during construction the contractor is to move them by hand out of harm's way. Otherwise, the turtles are to be left undisturbed.

Per the attached March 21st Anoka County Transportation Division review letter, the driveways for Lot 2 and Lot 3 are approved; right of access should be dedicated to Anoka County except for the two proposed driveway access points. The right of access is the right of ingress and egress from abutting land to a public street. Per the attached March 22nd email, the County is not demanding right of access over Lot 1 because of the anticipated future development. The Final Plat only dedicates right of access to the County over Lot 2 and Lot 3, which excludes a 50-foot wide opening for each driveway.

Recommendations:

It is recommended that the Preliminary Plat and Final Plat for Toby's Trails be recommended for approval. Approval is contingent on removal of that portion of the existing gravel driveway that encroaches into the 10-foot drainage and utility easement.

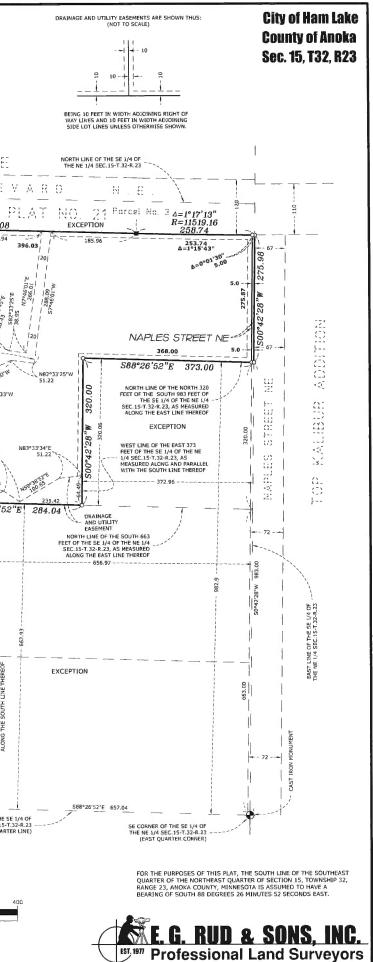


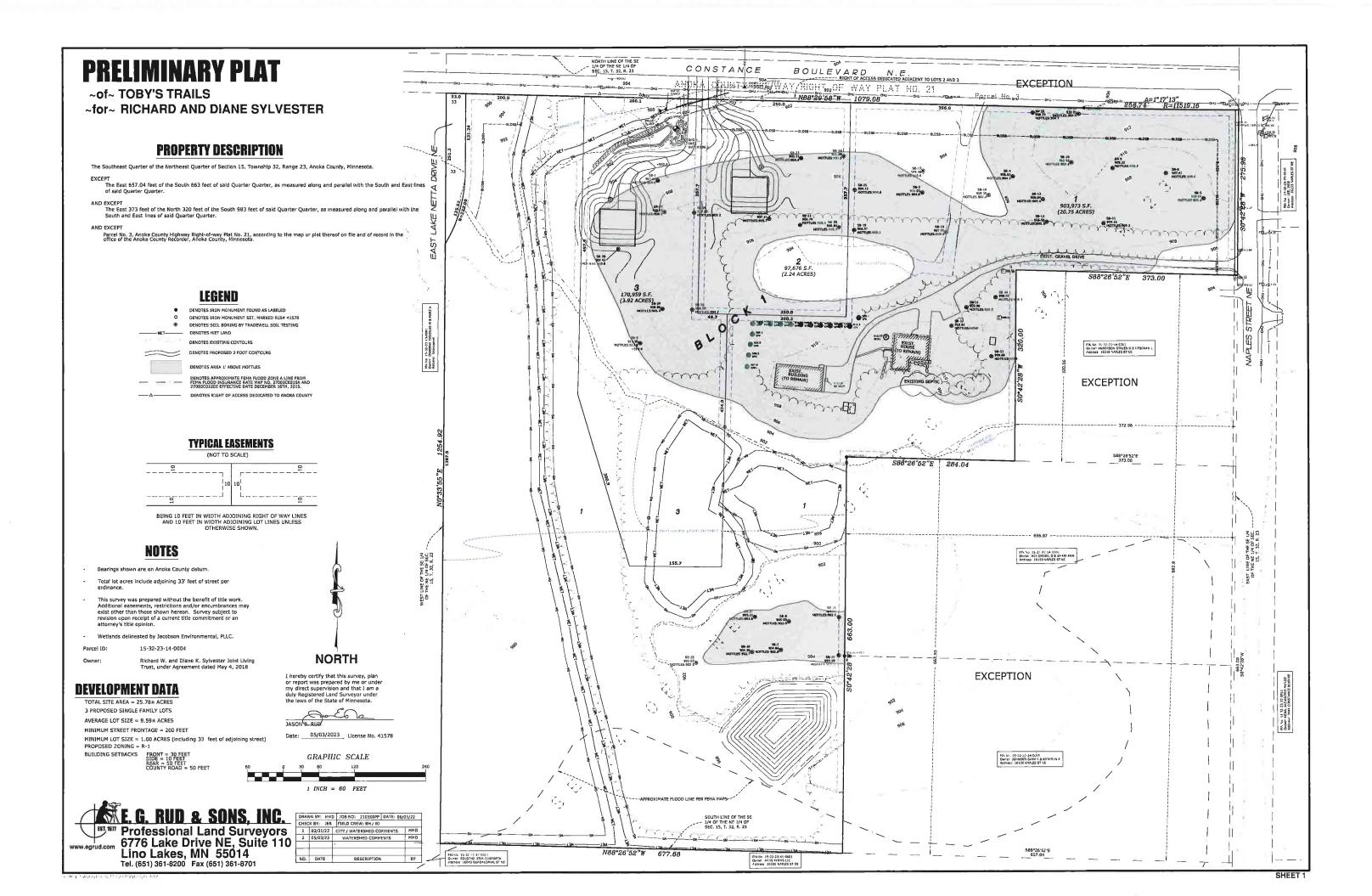




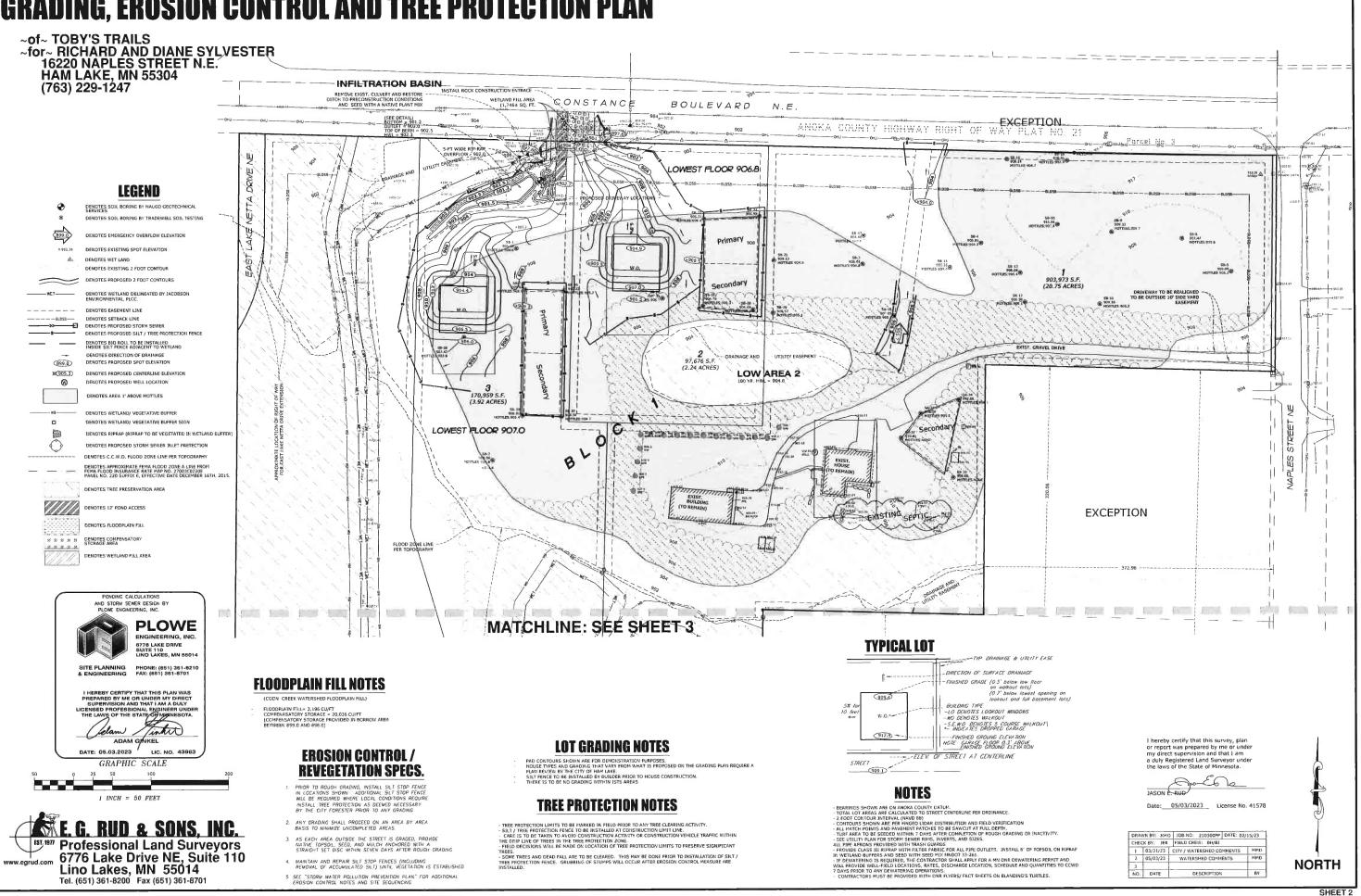
Richard W. and Diane K. Sylvester Joint Living Trust, under Agreemen The Southeast Quarter of the Northeast Quarter of Section 15, Tow		TOBYS TRAILS
EXCEPT		
The East 657.04 feet of the South 663 feet of said Quarter Qu	uarter, as measured along and parallel with the South and East lines of said Quarter Quarter.	
AND EXCEPT		
The East 373 feet of the North 320 feet of the South 983 feet	t of said Quarter Quarter, as measured along and paraliel with the South and East lines of said Quarter Quarter.	
AND EXCEPT		
Parcel No. 3, Anoka County Highway Right-of-way Plat No. 21	1, according to the map or plat thereof on file and of record in the office of the Anoka County Recorder, Anoka County, Minnesota.	
	and do hereby dedicate to the public for public use the public ways and the drainage and utility easements as shown on this plat. Also dedicating to	
the County of Anoka the right of access onto Constance Boulevard NE	as shown on this plat.	NETTAS_PRESERVE
In witness whereof sald Richard W. Sylvester, as trustee of the Richard W. and Diane K. Sylvester Joint Living Trust,	In witness whereof said Diane K. Sylvester, as trustee of the Richard W. and Diane K. Sylvester Joint Living Trust, under	CONSTANCE BOULE
under Agreement dated May 4, 2018 has hereunto set their hands this day of, 20	Agreement dated May 4, 2018 has hereunto set their hands this day of, 20	ANOKA COUNTY HIGHWAY RIGHT OF WAY
		ANOKA COUNTY HIGHWAY RIGHT OF WAY
Richard W. Sylvester	Diane K. Sylvester	0 F K A C C C C C C C C C C C C C C C C C C
STATE OF MINNESOTA COUNTY OF		
This instrument was acknowledged before me this day of Trust, under Agreement dated May 4, 2018.	, 20 by Richard W. Sylvester and Diane K. Sylvester, as trustees of the Richard W. and Diane K. Sylvester Joint Living	
These, where regreement dates risy 4, 2020,		
(Signature)		
(Print name Notary Public, County, Minnesota	e)	
My Commission Expires		46.34 46.34 53.62 S86*02'58'W
		S88°29'58"E 94.01 - 250.00 - 250.00 - 38.28 - 38.28
boundary survey: that all mathematical data and labels are correctly of	r under my direct supervision; that I am a duly Licensed Land Surveyor in the State of Minnesota; that this plat is a correct representation of the designated on this plat; that all monuments depicted on this plat have been, or will be correctly set within one year; that all water boundaries and the of the design of the set of the set of the plat and the plat and all within ways are channes and the plat of the plat all the plat and the plat	FI SARIOCK 1
	, as of the date of this certificate are shown and labeled on this plat; and all public ways are shown and labeled on this plat.	
Dated this day of, 20		
Jason E. Rud, Licensed Land Surveyor Minnesota License No. 41578		556°28'05'E
	LEGEND	42.23 Y
STATE OF MINNESOTA	O DENOTES 1/2 INCH BY 14 INCH IRON PIPE SET, MARKED RLS NO. 41576	8 7 C
COUNTY OF	DENOTES FOUND 1/2 INCH IRON PIPE, CAP NOT LEGIBLE	
This instrument was acknowledged before me this day of	, 20 by Jason E. Rud.	
(Signature)		33 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(Print name	e) DENOTES WET LAND AS DELINEATED BY JACOBSON	
Notary Public, County, Minnesota My Commission Expires		N7394604*E
		589°17′32″E 155.71
CITY COUNCIL, CITY OF HAM LAKE, MINNESOTA		Televenter and a second and a second a
This plat of TOBYS TRAILS was approved and accepted by the City Co compliance with the provisions of Minnesota Statutes, Section 505.03	ouncil of the City of Ham Lake, Minnesota at a regular meeting thereof held this day of, 20, and said plat is in 3, Subd. 2.	N50°58'47"E S81°01'58°E - N43943'27"E S81°01'58°E
CITY COUNCIL, CITY OF HAM LAKE, MINNESOTA		
By Mayor	u se	46.41 N36°19'47"W
By Cierk	tevr 	19.67
	O Participation	
COUNTY SURVEYOR		
I hereby certify that in accordance with Minnesota Statutes, Section 5	5	1 32.00 32.00 141.89 19.67 49.29 5673135W 5673135W 19.67 5673135W 5673135W 5673135W 19.69 7 5673135W 5673135W 19.69 7 5673135W 5673135W 10.67 7 5673135W 5673135W 10.67 7 5673135W 577315W 10.67 7 5673135W 5773135W 10.67 7 5673135W 5773135W 10.67 7 5673135W 5773135W 10.67 7 577475W 5773135W 10.67 7 577475W 577475W 10.67 7 577475W 577475W <td< td=""></td<>
this day of, 20,	х. Х Х Х	082.WAA
David M. Ziochasian		24.33 年間 日本
David M. Zieglmeier Anoka County Surveyor		N73°55'41'W
		888°26'32'E
COUNTY AUDITOR/TREASURER	\mathbb{R}	S88°26'52"E 677.68
Pursuant to Minnesota Statutes, Section 505.021, Subd. 9, taxes pay- to Minnesota Statutes, Section 272.12, there are no delinguent taxes	vable in the year 20 on the land hereinbefore described have been paid. Also, pursuant	CORNER OF THE NE 1/4 SEC.15
	and transfer entered tims 00y 01, 20 SEC.15-T.32-R.2	(EAST-WEST QUA
Property Tax Administrator	COUNTY RECORDER/REGISTRAR OF TITLES	
By, Deputy	COUNTY RECORDER/REGISTRAR OF TITLES	
·, - Aport	COUNTY OF ANORA, STATE OF MINNESOTA) hereby certify that this plat of TOBYS TRAILS was filed in the office of the County Recorder/Registrar of Titles for public record on this	GRAPHIC SCALE
	and the second sec	
	County Recorder/Registrar of Titles	(SCALE IN FEET)
	By, Deputy	NORTH

PRELIMINARY COPY

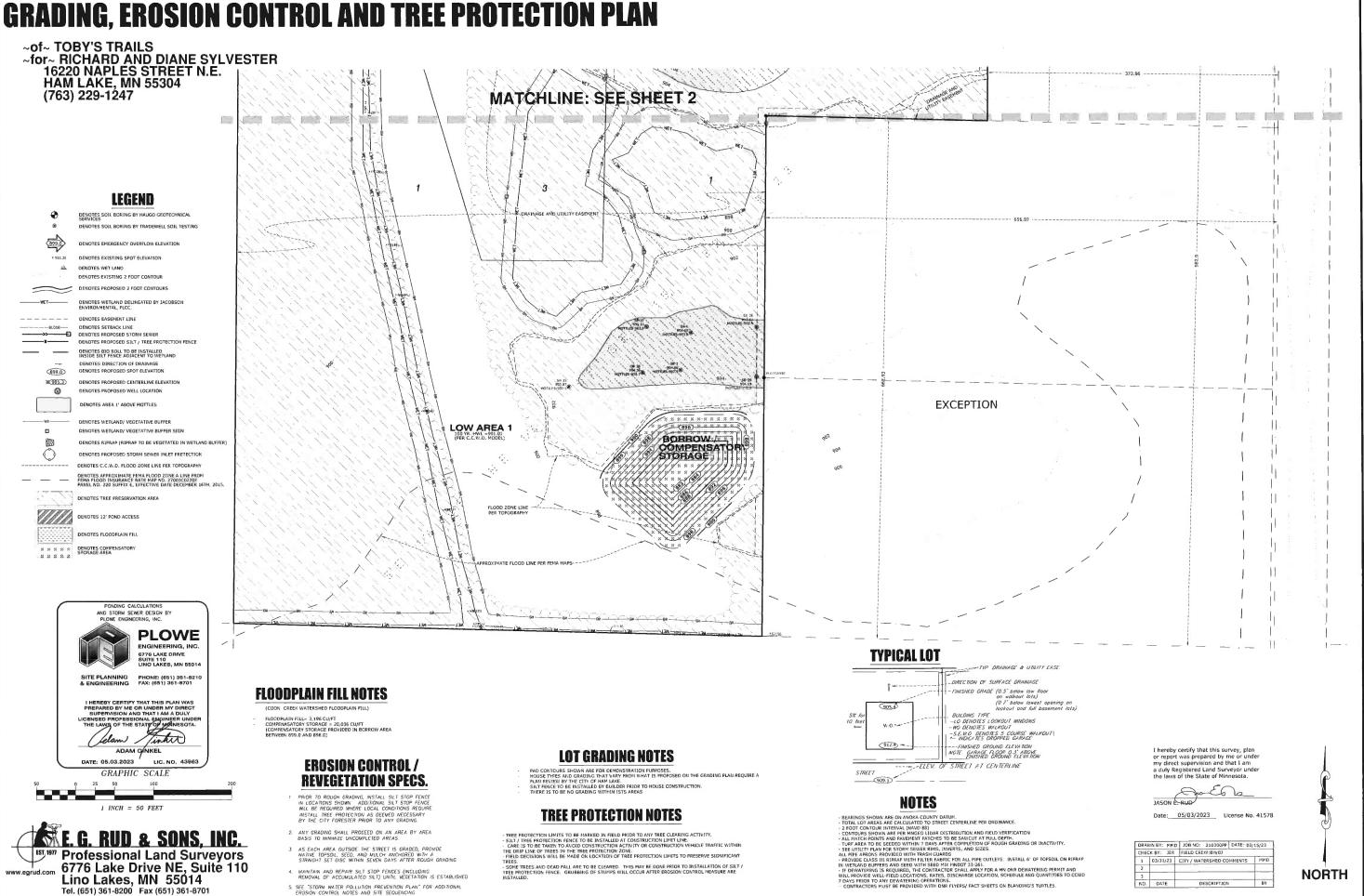




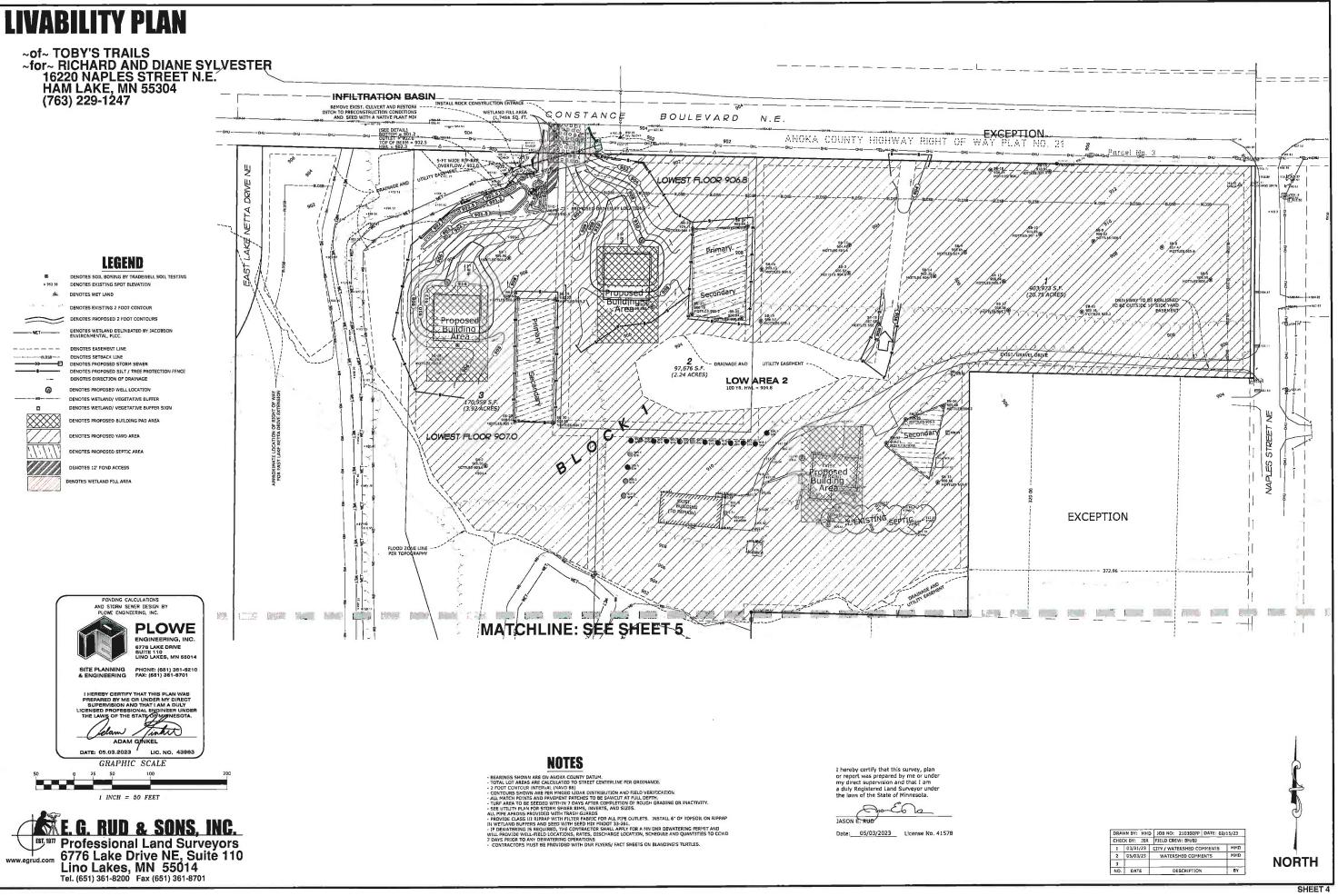
GRADING, EROSION CONTROL AND TREE PROTECTION PLAN

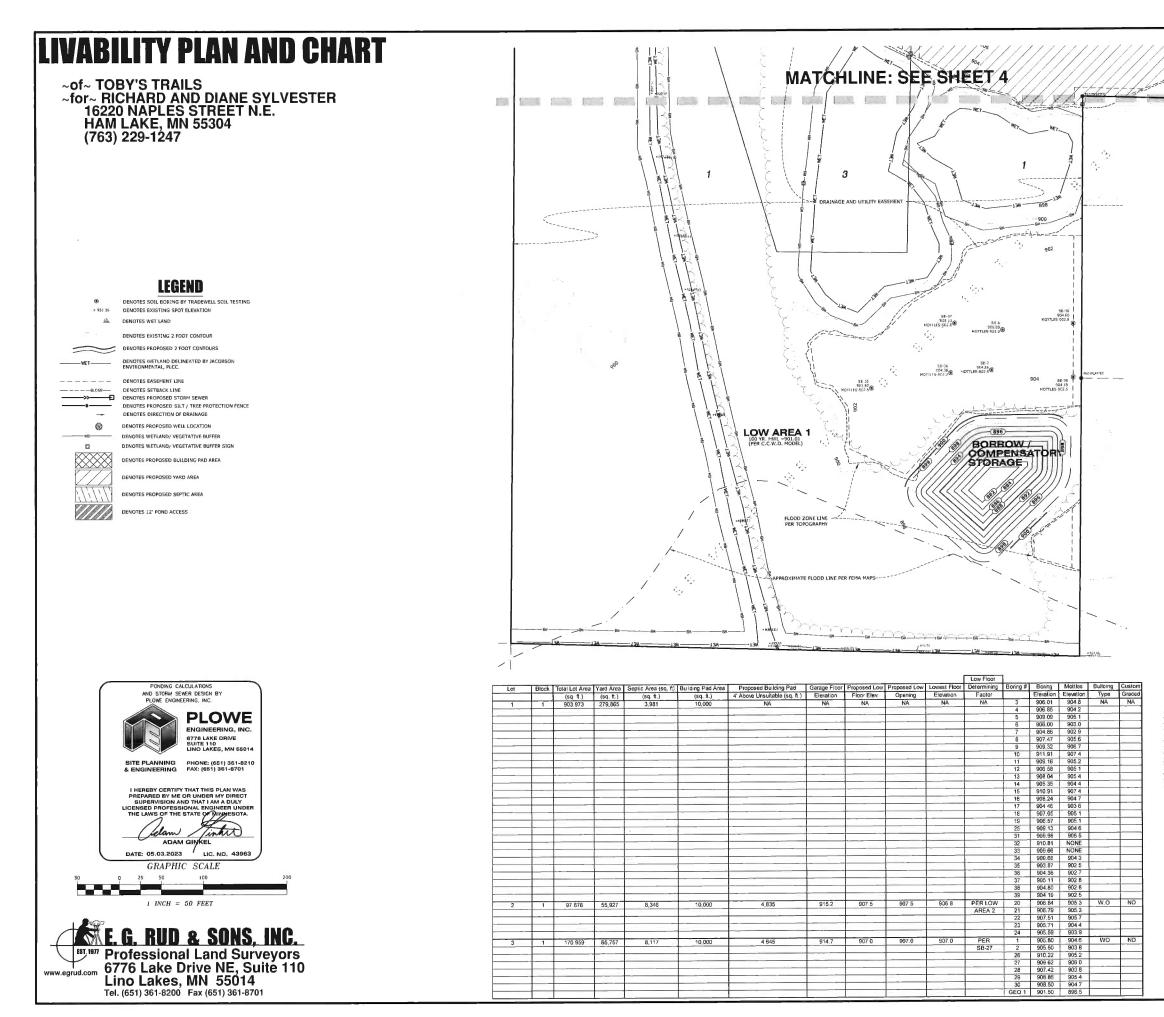


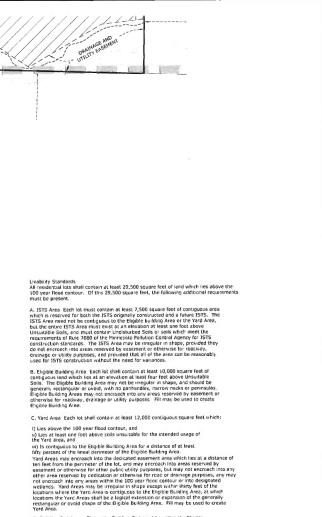
GRADING, EROSION CONTROL AND TREE PROTECTION PLAN



SHEET 3







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

Low Hoo televations) for winkour designs, the low floor elevation shell be at least one foot above the 100 year flood contour, but, notwithistanding the 100 year flood contour, not less than one foot above unsuitable soils, as determined by the City's engineer.) for other 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 less than one foot above unsuitable soils, as determined by the City's engineer.

NOTES

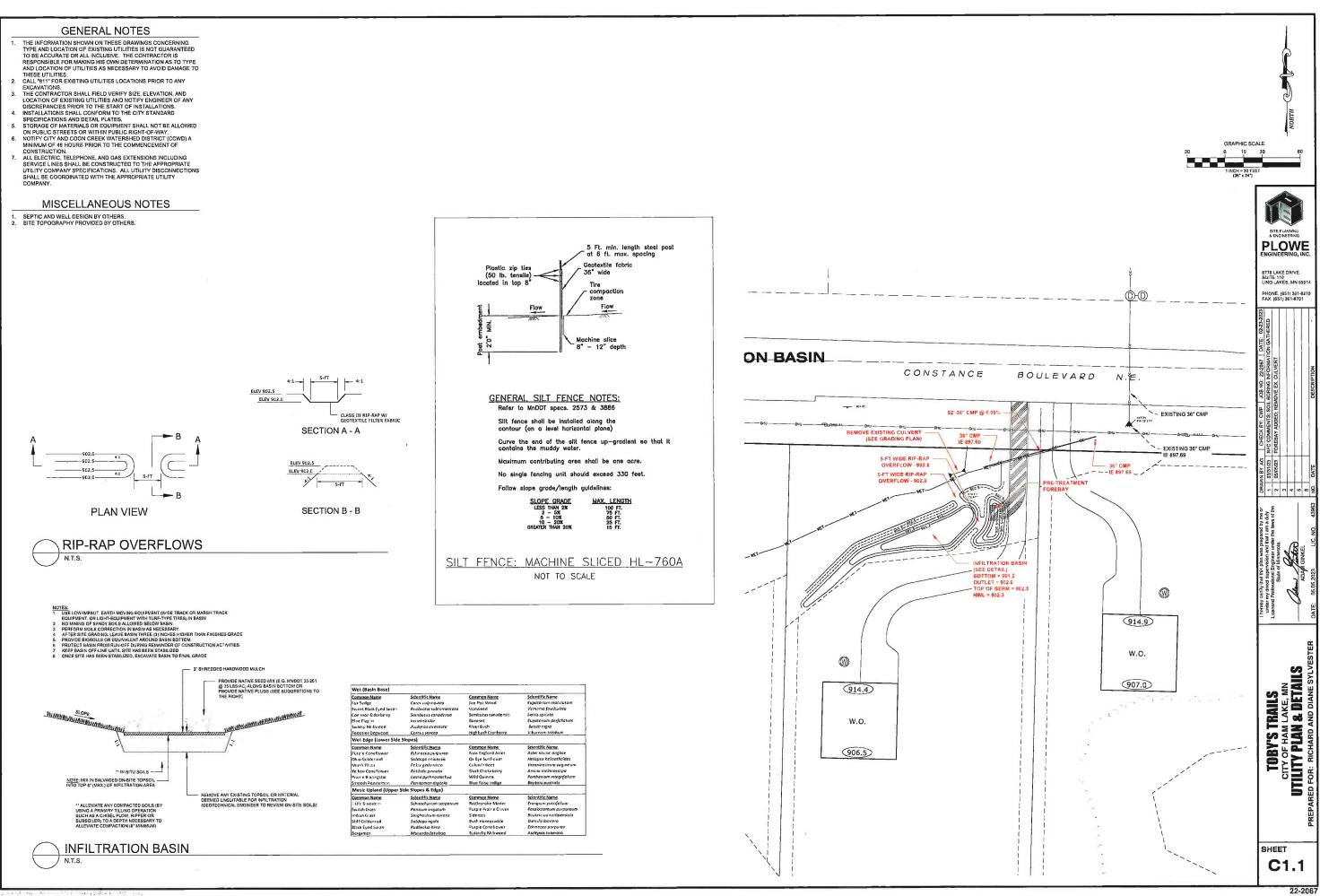
hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesola.

Ene 5 JASON E. RUD

Date: 05/03/2023 License No. 41578

DRAN	VN BY: MME	30B NO: 210300PP	DATE: 02/15/23
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1	03/31/23	CITY / WATERSHED CO	MMENTS MMD
2			
3			
NO.	DATE	DESCRIPTION	BY





9.18 PERMITTEES MUST USE POLIVERER, FLOCCULANTS, OR OTHER SEDIMENTATION TREATMENT CHEMICALS IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES, DOSING SPECIFICATIONS AND SEDIMENT REMOVAL DESIGN SPECIFICATIONS PROVIDED BY THE MANUFACTURER OR SUPPLICE. THE PERMITTEES MUST USE CONVENTIONAL REGISION AND SEDIMENT CONTROLS PRICE TO CHEMICAL ADDITION AND MUST DIRECT TREATED STORIWATER TO A SEDIMENT CONTROL SYSTEM FOR FLITRATION OR SETTLEMENT OF THE FLOC PRICE TO DISCHAEGE [MINN R 7000]

9:10 PERMITTEES MUST LOCATE STOCKPILES OUTSIDE OF NATURAL BUFFERS OR SURFACE WATERS, INCLUDING STORIWATER CONVEXANCES SUCH AS CURB AND GUTTER SYSTEMS UNLESS THERE IS A BYPASS IN PLACE FOR THE STORIWATER, (NINN, R. 2002) 9 11 PERMITTEES MUST INSTALL A VEHICLE TRACKING BMP TO MINIMIZE THE TRACK OUT OF SEDIMENT FROM THE CONSTRUCTION SITE OR ONTO PAVED ROADS WITHIN THE SITE (MINN. R. 7090) 9.12 PERMITTEES MUST USE STREET SWEEPING IF VEHICLE TRACKING BMPS ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING ONTO THE STREET. (MINN. R 7090) 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]

9.16 PERMITTEES MUST DIRECT DISCHARGES FROM EMPS TO VEGETATED AREAS UNLESS INFEASIBLE. MINN & 2090

9.15 PERMITTEES MUST PRESERVE TOPSOIL ON THE SITE, UNLESS INFEASIBLE. [MINN. R. 7020]

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

FERINETER CONTROL PRACTICE / EXPOSED SOILS STILL DRAIN TO A SUPRACE WATER, MINN, R. 7080] DE PERNITES BUIST RE-INSTALL ALL SEDIMENT CONTROL PRACTICES ADJUSTED OR REWOVED TO ACCOMMODATE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR ORUBBING, OR PASSAGE OF VEHICLES, IMMEDIATELY AFTER THE SHORT-TERM ACTIVITY IS CONTLETED. PERNITIES MUST RE-INSTALL SEDIMENT CONTROL FRACTICES SEPTORE THE NEXT PRECIPATION EVENT EVEN IF THE SHORT-TERM ACTIVITY IS NOT COMPLETE (MINN, R. 7060] D 7 PERNITES SUUST PROTECT ALL STORM DRAIN INLETE USING APPORPARTY E MAPS DURING CONSTRUCTION UNTIL THEY ESTABLISH PERNAMENT COVER ON ALL AREAS WITH POTENTIAL FOR DISCHARGINO TO THE INLET. JIMIN, R. 7060] D 4 PERNITES AND FEMOLY MILL AREAS WITH POTENTIAL FOR DISCHARGINO TO THE INLET. JIMIN, R. 7060] D 4 PERNITES AND FEMOLY MILL THE STATEMENT OF TRANSPORTATION ENGINEETY CONCERNING. STREET FLOODING/PREFIXING) IS DENTIFIED BY THE PERNITTEES DRITHE ANT FOR DISCITICAL AUTHORITY (E.G. CITY/CQUINT/TO/WSHIPMINNESDTA DEPARTMENT OF TRANSPORTATION ENGINEET) PERNITTEES MUST BO COMENT (E.G. CITY/CQUINT/TO/WSHIPMINNESDTA DEPARTMENT OF TRANSPORTATION ENGINEET) PERNITTEES MUST BO COMENT HE NEED FOR REMOVAL. IN THE SWIPP, JIMIN, R. 7080]

a.2. JUNINE, R. VORU 9 a TEMPORARY OR PERMANENT DRAINAGE DITCHES AND SEDIMENT BASINS DESIGNED AS PART OF A SEDIMENT CONTAINMENT SYSTEM (E.G., DITCHES WITH ROCK-CHECK DAMS) REQUIRE SEDIMENT CONTROL PRACTICES ONLY AS APPROPRIATE FOR STE CONDITIONS. (JUNN, R 7000) APPROPRIATE OF STIL CONDITIONS, UNITY, A. 1980] 8.5 A FLOATING ON A STORED AT THE WATER IS NOT A SEDIMENT CONTROL BMP TO SATISFY ITEM 9.2 EXCEPT WHEN WORKING ON A SHORELIME OR BELOW THE WATERLINE, IMMEDIATELY AFTER THE SHORT TERM CONSTRUCTION ACTIVITY (E.G., INSTALLATION OF RIP RAP ALONG THE SHORELINE; IN THAT AREA IS COAFILETE, PERMITTEES MUST INSTALL AN UPLANE PERMIETER CONTROL PRACTICE IF EXPOSED SOLES STILL DRAIN TO A SURFACE WATER, IMMEDIATELY ARDED

9.1 SEDIMENT CONTROL PRACTICES. [MINN. R. 7090] ALI SECUMENT CONTROL FRANCISCH SECUMENT FOOT 29 PERMITTE CONTROL FOR SECUMENT FOOT DOWNGRADIENT AREAS OF THE SITE THAT DRAIN TO ANY SURFACE VALUER, INCLUDING CURB AND GUTTER SYSTEMS. PERMITTES MUST LOCATE SEDIMENT CONTROL PRACTICES UPRADIENT OF ANY BUFFRE ZONES, PERMITTES MUST INCLUDENT CONTROL PRACTICES BEFORE AUX UPGRADIENT CONTROL PRACTICES UPGRADIENT CONTROL PRACTICES BEFORE AUX UPGRADIENT CONTROL PRACTICES WIDE THEY ESTABLES SEDIMENT CONTROL PRACTICES BEFORE AUX UPGRADIENT OF ANY OFFICE ZONES. PERMITTES MUST INSTALL SEDIMENT CONTROL PRACTICES BEFORE AUX UPGRADIENT CONTROL PRACTICES THEY THEY ESTABLES THE SUBJECT CONTROL PRACTICES BEFORE AUX UPGRADIENT CONTROL PRACTICES BEFORE AUX UPGRADIENT CONTROL PRACTICES AND AUX SET OFFICE SEDIMENT CONTROL PRACTICES BEFORE AUX UPGRADIENT CONTROL PRACTICES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES BEFORE AUX UPGRADIENT CONTROL PRACTICES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES BEFORE AUX UPGRADIENT CONTROL PRACTICES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES BEFORE AUX UPGRADIENT CONTROL PRACTICES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES BEFORE AUX UPGRADIENT CONTROL PRACTICES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES BEFORE AUX UPGRADIENT CONTROL PRACTICES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES BEFORE AUX UPGRADIENT CONTROL PRACTICES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES BEFORE AUX UPGRADIENT SEDIMENT CONTROL PRACTICES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES BEFORE AUX UPGRADIENT SEDIMENT CONTROL PRACTICES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES DEFORE AUX UPGRADIES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES BEFORE AUX UPGRADIES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES DEFORE AUX OFFICES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES DEFORE AUX OFFICES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES DEFORE AUX OFFICES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES DEFORE AUX OFFICES DEFINITES DEGINA DO MUST REPENSE SEDIMENT CONTROL PRACTICES DEFORE AUX OFFICES DE GEURIENT WORTROL FRONT TRUE UNT LEUED UNTIL THET ES TABLISH PERMANENT COVER, MINN, R. 7090] 3 JF DOWINGRADENT SEDIMENT CONTROLS ARE OVERLOADED, BASED OH FROUENT FALLIDE OR EXOCSSIVE MAINTENAN REQUIREMENTS, PERMITTEES MUST INSTALL ADDITIONAL UPGRADIENT SEDIMENT CONTROL PRACTICES OR REDUNDANT BM TO ELIMINATE THE OVERLOADING AND AMEND THE SWPPP TO IDENTIFY THESE ADDITIONAL PRACTICES AS REQUIRED IN THE 6.2, MINN, R 7000]

A TEMPORARY OR PERMANENT DITCHES OR SWALES BEING USED AS A SEDIMENT CONTAINMENT SYSTEM DURING CONSTRUCTION (WITH PROPERLY DESIGNED ROCK-DITCH CHECKS, BIO ROLLS, SILT DIKES, ETC, DO NOT NEED TO BE STABILIZED PERMITTES MUST STABILIZE THESE AREAS WITHIN 24 HOURS AFTER THEIR USE AS A SEDIMENT CONTAIN SYSTEM CEASES. (MINN: R. 1909) SYSTEM CEASES, MINN IN 7080) E & PERMITES MUSTION USE MUICH, HYDROMULCH, TACKIFIER, POLYACRYLAMIDE OR SIMILAR EROSION PREVENTION PRACTICES WITHIN ANY PORTION OF THE NORMAL WETTED PERMETER OF A TEMPORARY OR PERMANENT DRAINAGE DITCH OR SWALE SECTION WITH A CONTINUOUS SLOPE OF GREATER THAN 2 PERCENT, MINNI, R 7080) 8 8 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. 7990]

SECIMENT CONTINUES AT THE BRACK THE STOLARDE, (MININ R. 1990) BS FOR PUBLIC WATERS THAT THE MINNEGOTO NON HAS PROMULICATED "WORK IN WATER RESTRICTIONS" DURING SP FISH SPAWNING THE FRAMES, PERMITTEES MUST COMPLETE STABILIZATION OF ALL PERSOED SOL AREAS WITH OF THE WATERS EDGE, AND THIS TRAIN TO THESE WATERS, WITHIN 24 HOURS BURING THE RESTRICTION PERIOD (MI 8.6 PERMITTEES MUST STABILIZE THE NORMAL WETTED PERIMETER OF THE LAST 200 LINEAR FEET OF TEMPOHARY C BOPENMIT LES MUST STABLIZE. THE NORMAL WEI TEU PENMETER OF THE LAST ZUILLINEAR FEET OF TEM TANKY OK PERMANENT DANIGE DITCHES OR SWALES THAT DRAIN WATER FROM THE SITE WITHIN ZA HORSA FITER CONVECTING TO A SURFACE WATER OR PROPERTY EDGE. PERMITTEES MUST COMPLETE STABLIZATION OF REMAINING PORTIDIS OF TEMPORARY OR PERMANENT D'OTHES OR SWALES WATER VA PROPERTY EDGE AND CONSTRUCTION IN THAT PORTION OF THE DITCH TEMPORARILY OR PERMANENTLY CEASES. (MINN, R. 1990)

DESIGNED FOR STEEP SLOPES (E.G., SLOPE ORAINING AND TERRACING), [MINN. R. 7080] & PERMITTEEM SUIS STABLEZ ALL EXPOSED SOLLARES, INCLUDIOS STOCKPILES, STABILIZATION MUST BE INITIATED IMMEDIATELY TO LIMIT SOLL EROSION WHEN. CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARDIV CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESIMPE FOR A PERIOD EXCEEDING 7 CALENDAD RAYS STABILIZATION MUST BE COMPLETED NO LATER THAN 7 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY HAS CEASED. STABILIZATION IS NOT RECURRED ON CONSTRUCTED BASE COMPONENTS OF RADORS PARKING LOTS AND SIMILAR SURFACES. STABILIZATION IS NOT RECORDED ON TEMPORARY STOCKPILES WITHOUT SIGNIFICANT SILT (LAY OR ORGANIC COMPONENTS (E.G., CLEAN AGGREGATE STOCKPILES, BUITON CONTER SILTER STACKPILES, SAND STOCKPILES, BUT PERMITTEES MUST PROVIDE SEDIMENT CONTROLS AT THE BASE OF THE STOCKPILE, [MINN. R. 7090]

8.1 EROSION PREVENTION PRACTICES, IMINN, R. 70901 STLENGING THE VENTION THAN THAN THESE WITTEN TO BURKET THE LICATION OF AREAS NOT TO BE DISTURBED [MINN, R. 7000] 8.3 PERMITTEES MUST MINIMIZE THE WEED FYRI DISTURBANCE OF PORTIONS OF THE PROJECT WITH STEEP SLOPES. WHEN STEEP SLOPES MUST BE DISTURBED, PERMITTEES MUST USE TECHNIQUES SUCH AS PHASING AND STABILIZATION PRACTICES DESIGNED FOR STEEP SLOPES (E.G. SLOPE DAMAING AND TERRACION) [MINN, R 7000]

1 BMP SELECTION AND INSTALLATION [MINN, R 7090]

SURFACE WATERS OR GROUNDWATER, MINN: R. 7080) wh PERMITTERS WIST ANERO THE SWPPP TO INCLUDE ADDITIONAL OR MODIFIED BVPS AS NECESSARY TO CORRECT FILODITIANS IDENTIFIED OR ADDRESS STILLATIONS WHENEVER INSPECTIONS OR INVESTIGATIONS BY THE SITE OWNER OR DIFERATOR, USER OR INFOCA DEFICIALS INDICATE THE SWPPP IS NOT FEFECTIVE IN LEMINIATION OR SIGNIFICANTLY MINIATER VIALITY STANDARD EXCEEDANCES (E.G. NUISANCE CONDITIONS AS DEFINED IN MINN: R. 7550.0210, SUBP 2) OR THE SWPPP IS NOT CONSISTENT WITH THE OBJECTIVES OF A USEPA APPROVED TMDL. (MINN: R. 7550.0210)

7.2 PERMITTEES MUST SELECT, INSTALL, AND MAINTAIN THE BMPS IDENTIFIED IN THE SWPPP AND IN THIS PERMIT IN AN APTROPRIATE AND FUNCTIONAL MANNER AND IN ACCORDANCE WITH RELEVANT MANUFACTURER SPECIFICATIONS AND ACCEPTED ENGINEERING PRACTICES. [MINN. R. 7090]

5.3 PERMITTEES AUXI AVE NO THE SWPPP TO INCLUDE ADDITIONAL OR MODIFIED AVE AS NECESSARY TO CORRECT PROBLEMS IDENTIFIED CH ADDITESS SITUATIONS WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATIO NAMTENANCE, WEATHER OR BEASONAL CONDITIONS HAVING A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANT SURFACE WATERS OR GROUNDWATER, (MIN, R. 7030)

6.1 SWPPP AMENDMENTS, IMINN, R. 70901 5. JONET PARENAMENTS DUMM. N. 2000 SC ONE OF THE MONVIOUNLS DESCRIBED IN ITEM 21.2 & OR ITEM 21.2 B OR ANOTHER QUALIFIED INDIVIDUAL MUST COMPLETE ALL SWEPP CHANGES CHANGES INVOLVING THE USE OF ALGES STRINGENT BMF MUST INCLUDE A JUSTIFICATION DESCRIBING MON THE REFLACEMENT MAP HE EFFECTIVE FOR THE SITE CHARACTERISTICS, JUNN R 7000)

4.5 PERMITTEES MAY TERMINATE COVERAGE UPON MPCA APPROVAL AFTER SUBMITTING INFORMATION DOCUMENTING THE OWNER CANCELED THE PROJECT [MINN. R. 7080]

AFTER STREAM OF THE STREAM AND UNDER THIS ITEM. ANY SUBSEQUENT DEVELOPMENT ON THE REMAINING PORTIONS OF THE SITE WILL REQUIRE PERMIT COVERAGE IT THE SUBSEQUENT DEVELOPMENT ITSELF OR AS PART OF THE REMAINING COMMON FLAN OF DEVELOPMENT OR SALE WILL RESULT IN LAND DISTURBING ACTIVITIES OF ONE (1) OR MORE ACRES IN SIZE. (MIN): R. 7800

D. THE SITE COMPLIES WITH ITEM 13.3 THROUGH 13.7

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

B AT LEAST 30 PERCENT (BY AREA) OF ALL ORIGINALLY PROPOSED CONSTRUCTION ACTIVITY HAS BEEN COMPLETED AND PERMANENT COVER HAS BEEN ESTABLISHED ON THOSE AREAS; AND

10.1 DEWATERING AND BASIN DRAINING, (MINN. R. 7050)

11.1 INSPECTIONS AND MAINTENANCE. (MINN. R 7090)

A DATE AND TIME OF INSPECTIONS; AND

8. NAME OF PERSONS CONDUCTING INSPECTIONS, AND

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

13.1 PERMIT TERMINATION CONDITIONS. [MINN: R 7090]

WNER, IMINN, R 7090

10.1 DEWATERING AND BASIN DRAINING, MINN. R. 7080] 10.2 PERMITEES MUST DISCHARGE TUREID OR SEDIMENT-LADEN WATERE RELATED TO DEWATERING OR BASIN ORAINING (E.G., PUMPED DISCHARDES, TRENCHDICH CUTS FOR DRAINAGE) TO A TIMPICITARY OR PERMANENT SEDIMENT BASIN ON THE PROJECT STEV UNESS INFEASIBLE PERMITEES MAY DEWATER TO SUMPACE WITTERS IF THEY VISUALLY CHECK TO ENSURE ADEQUATE TREATMENT HAS BEEN OBTAINED AND MUSANGE CONDITIONI, BEE MINN. R. 7050.0210, SUBP. 2) WILL OT RESULT FOOT THE DISCHARGE. IF FERMITEES CANNOT DISCHARGE THE WATER TO A SEDIMENTATION BASIN PRIOR TO ENTERING A SURFACE WATER. PERMITTEES AND TO THAT APPOPRIATE BAMES SUCH THAT THE DISCHARGE DEMONSTRATION BASIN PRIOR TO ENTERING A SURFACE WATER. PERMITTEES AND ROWIST REAL TO PROVENTIES UNCH THAT THE DISCHARGE DEMONSTRATION BASIN PRIOR TO ENTERING A SURFACE WATER. PERMITTEES AND TO PROVENTIE PROVENTIES OF AND THE PROVENTIES OF AND TO ENTERING A SURFACE WATER. PERMITTEES AND THE PROVENTIES AND PROVENTIES OF AND THE PROVENTIES OF AND TO ENTERING A SURFACE WATER. PERMITTEES AND THE PROVENTIES AND PROVENTIES OF AND THE PROVENTIES OF AND THE PROVENTIES OF AND THE PROVENTIES OF AND THE PROVENTIES AND PROVEN

10.3 IF PERMITTEES MUST DISCHARGE WATER CONTAINING DIL OR GREASE, THEY MUST USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICE (E.G., CARTRIDGE FILTERS, ABSORBENTS PAOS) PRIOR TO DISCHARGE (MINN: R. 7090)

SUMMEDIATE INFORMATION DEVICE (E.S., GARLING ETIL ETIL REGULAR DEVICENCE PAUL) PHOLE NUMBER MINE AT 1080, 10 A PERMITTER MUST DISCHARGE ALL WATER FILE REGULAR DEVICENTION OF BASIN DAVING ATTIVITES IN A MANNER THAT DOES NOT CAUSE EROSION OF SOCIENT HE MANEDIATE VICINEY OF DISCHARGE FORTS OK NUNDATION OF WETLAND. MINE N TA MIMEDIATE VICINITY OF DISCHARGE FORMS THAT CAUSES SIGNIFICANT ADVERSE MAACT TO THE WETLAND. MINN R 7060)

10.5 IF PERMITTEES USE FILTERS WITH BACKWASH WATER. THEY MUST HAUL THE BACKWASH WATER AWAY FOR DISPOSAL RETURN THE BACKWASH WATER TO THE BEGINNING OF THE TREATMENT PROCESS. OR INCORPORATE THE BACKWASH WA INTO THE SITE IN A MANKET THAT DOES NOT CAUSE EROSION (JIMN R. 769)

11.2 PERMITTEES MUST ENSURE A TRAINED PERSON, AS IDENTIFIED IN ITEM 21.2.8. WILL INSPECT THE ENTIRE CONSTRUCTION STIF AT LEAST DOCE EVERY BYEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 1/2 INCH IN 24 HOURS. [MINN: R 7080]

114 PERMITTEES MUST INSPECT ALL PROJECTION ALL FERMINATER I STURMATER I TREVINATER I TREVINATER I DIPO [DIMUT, DIVID] MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS, PERMITTEES MUST REPAIR, REPLACE OR SUPPLEMENT ALL NORFILOTIONAL BMPS WITH FUNCTIONAL BMPS BY THE POLO THE NEXT BUSINESS DAY AFTER DISCOVERY UNLESS ANOTHER TIME FRAME IS SPECIFIED IN ITEM 11.5 OR 11.6. PERMITTEES MAY TAKE ADDITIONAL TIME IF FIELD CONDITIONS PREVENT ACCESS TO THE AREA (MINN, R 709)

PREVENT ACCESS TO THE AREA (MINN. R. 7090) 11.5 DURING EACH INSPECTION. PREIMITTEES MUST INSPECT SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND CONVEYANCE SYSTEMS BUT NOT CURB AND GUTTER SYSTEMS, FOR EVIDENCE OF EROSION AND BEDIMENT DEDOSTION PREVMITTEES MUST REMOVE ALL DELTAS AND BEDIMENT DEPOSITOR IN SUFFACE WATERS, INCLUDING DRAINAGE WAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS AND RESTABILIZE THE AREAS WHERE SUBMENT REMOVEL AND EXPOSED SOLL, PREVITTES MUST COMPLETE REMOVAL, AND STABILIZATION WITHIN SSVEN (Y.C.A.ENDAR DAYS OF DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL ACCESS CONSTANTS, PREMITTEES WUST USE ALL DAYS OF OFTAMING ACCESS, PREMITTES AND RESCLUDED REMOVAL AND STABILIZATION MUST TAKET PLACE WITHIN SEVEN DAYS OF OFTAMING ACCESS, PREMITTES ARE RESPONSIBLE FOR CONTACTING ALL LOCAL, RE SUBMENT SUBMENT FEEDEN. DAYS OF OFTAMING ACCESS, PREMITTES ARE RESPONSIBLE FOR CONTACTING ALL LOCAL, RE SUBMENT SUBMENT IN EXEMINE DAYS ON DRECEVING AND RECEVING AND RECENTS, PREMITISES AND RECEVING AND RECVING AND RECEVING AND RECEVING AND RECEVING

7000] 11.6 PERMITTEES MUST INSPECT CONSTRUCTION SITE VEHICLE EXIT LOCATIONS. STREETS AND CURB AND GUTTER SYSTEMS WITHIN AND ADJACENT TO THE PROJECT FOR SEDIMENTATION FROM EROSION OR TRACKED SEDIMENT FROM VEHICLES PERMITTEES MUST REMOVE SEDIMENT FROM ALL PAYED SURFACES WITHIN OVER 11 (CALENDAR DAV OF DISCOVERY OR. IF APPLICABLE, WITHIN A SHORTER TIME TO AVOID A SAFETY HAZARD TO USERS OF PUBLIC STREETS, JMINN R. 7000] 11.7 PERMITTEES MUST REPAR, REPLACE OR SUPPLEMENT ALL PERIMETER CONTROL DEVICES WHEN THEY DECOME NORFUNCTIONAL OR THE SEDIMENT REACHES 12.0 CT HE HEIGHT OF THE DEVICE, JMINN R. 7000]

11.8 PERMITTEES MUST DRAIN TEMPOTIARY AND PERMANENT SEDIMENTATION BASINS AND REMOVE THE SEDIMENT WHEN THE DEPTH OF SEDIMENT COLLECTED IN THE BASIN REACHES 1/2 THE STORAGE VOLUME. (MINN, M. 2009)

11.9 PERMITTEES MUST ENSURE THAT AT LEAST ONE INDIVIDUAL PRESENT ON THE SITE (OR AVAILABLE TO THE PROJECT SITE IN THREE (3) CALENDAR DAYSN IS TRAINED IN THE JOB DUTIES DESCRIBED IN ITEM 21.2.B. (MINN. M. 7090)

SUMMERS ON A UTER FUNTIONE OF THE STEL ON B. WHERE STEL NAME PERMANENT COVER OF ALL EXPOSED SOL AND NO CONSTRUCTION ACTIVITY IS OCCURRING ANYWHERE ON THE SITE. INSPECTIONS CAN BE REDUCED TO CINCE PER MONTH AND. AFTER 12 MONTHS, MAY BE SUSPENDED COMPLETELY UNITL CONSTRUCTION ACTIVITY RESUMES. THE MPCA MAY REDUIRE INSPECTIONS TO RESUME IF CONDITIONS WARRANY, OR

WHERE CONSTRUCTION ACTIVITY HAS BEEN SUSPENDED DUE TO FROZEN GROUND CONDITIONS. INSPECTIONS MAY BE SUSPENDED. INSPECTIONS MUST RESUME WITHIN 24 HOURS OF RUNOFF OCCURRING, OR UPON RESUMING CONSTRUCTION, WHICHEVER COMES FIRST. [MINN. R. 7090]

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:

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 3. CONTRECTIVE ADDRESS INSECTIONS OF THE STRUCTURE AND PARTY CONFECTION WAITH LANGUE AD UTILISED, AND DECRETE ADDRESS IN ADDRESS IN THE ANOLULY OF ADDRESS IN THE ANOLULY OF ADDRESS IN THE ADDRESS IN ADDRESS INTAL ADDRESS INTAL ADDRESS IN ADDRESS IN ADDRESS INTAL ADDRESS I

IF PERMITTEES OBSERVE A DISCHARGE DURING THE INSPECTION. THEY MUST RECORD AND SHOULD PHOTOGRAPH A DESCRIBE THE LOCATION OF THE DISCHARGE UNITS OF ILE. COLOR, ODOR, SETTLED OR SUSPENDED SOLIDS. OIL SHEEN, AND OTHER DEVIDUS INDICATORS OF POLULTANTS; 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. I FOLDITION FREVENTION MANAGEMENT MERASONES, DIMINE N. 1939/ 122. FERNITTES MUST PLACE BUILDING PRODUCTS AND LANDSCAPE MATERIALS UNDER COVER (E.G., PLASTIC SHEETING OR TEMBORARY ROOFS) OR PROTECT THEM BY SIMULARLY EFFECTIVE MEANS DESIGNED TO MINUMZE 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. 7080]

L'A PERNITTEES MUST STORE HAZARDOUS MATERIALS AND TOXIC WASTE, (INCLUDING OIL, DIESEL FUEL, GASCLINE, HYORAULIC FLUIDS, PAINT SOLVENTS, PETROLEUM-BASED PRODUCTS, WOOD PRESERVATIVES, ADDITUES, CURING COMPOUNDS, AND ACIDS IN SEALED CONTINNERS TO PREVENT SPILLS, LEAKS OR O'THER DISCHARGE. STORAGE AN DISPOSAL OF HAZARDOUS WASTE MATERIALS MUST BE IN COMPLANCE WITH MINN. R. CH. 7045 INCLUDING SECONDA CONTRIMIENT AS APPLICABLE, MINN. R. 7000

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

USE DEVICE UNIT DEPENDENT OF MENDING THE PRODUCE (MINN STAT 115/05] 128 PERMITTERS MUST LIMIT VENUCE EXTERNOR WASHING AND COLIMENT TO A DEFINED AREA OF THE SITE PERMITTEES MUST CONTAIN RUNCHE 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. (MINN. R. 7050)

DETERGENTS. OR SOLVENTS. (MINN. R 7080) 129 PERNITTES MUST PROVIDE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OPERATIONS IE G. CONCRETE. STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIAL SIZELATED TO THE CONSTRUCTION ACTIVITY. PERMITTES MUST PREVENT LIQUID AND SOLID WASHOUT WASTES FROM CONTACTING THE GROUND AND MUST DESIGN THE CONTAINMENT SO IT DOES NOT RESULT IN RUNDEF FROM THE WASHOUT OPERATIONS OR AREAS. PERMITTES MUST PROFERLY DISPOSE LIQUID AND SOLID WASTES IN COMPLIANCE WITH MPCA RULES, FERMITTEES MUST INSTALL A SIGN INDICATING THE LOCATION OF THE WASTEDIT FACILITY (MINN. R. 7035. MINN

(3) FERMITERS MUSICOMPLICATE UNINE TO USED 13) FERMITERS MUSICOMPLETE ALL CONSTRUCTION ACTIVITY AND MUSI INSTALL PERVANENT COVER OVER ALL AREAS PRIOR TO SUBMITTING THE NOT VEGETATION EQUER MUSICONSIST OF A UNIPORM PERENNAL VEGETATION WITH A DENSITY OF 20 PERCENT OF 15 SEPRECTED FINAL GROWTH VEGETATION MOSI NOT REQUIRED WHEET THE FUNCTION OF A SPECIFIC AREA DICTATES NO VEGETATION, SUCH AS IMPERVIOUS SURFACES OR THE BASE OF A SAND FILTER. [MINN: R. 7050]

13.3 PERMITTEES MUST CLEAN THE PERMANENT STORMWATER TREATMENT SYSTEM OF ANY ACCUMULATED SEDIMENT AND MUST ENSURE THE SYSTEM NEETS ALL APPLICABLE REQUIREMENTS IN SECTION 15 THROUGH 19 AND IS OPERATING AS DESIGNED, MINN R 70501

13 4 PERMITTEES MUST REMOVE ALL SEDIMENT FROM CONVEYANCE SYSTEMS PRIOR TO SUBMITTING THE NOT. IMINN. R 7650

"3.5 PERMITTEES MUST REMOVE ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BANE PRIOR TO SUBMITTING THE NOT, PERMITTEES MAY LEAVE BANE DESIGNED TO DECOMPOSE ON-SITE IN PLACE, [MINN, R. 7050] 3.5 FOR RESIDENTIAL CONSTRUCTION ONLY, PERMIT COVERAGE TERMINATES ON INDIVIDUAL LOTS IF THE STRUCTURES ARE PRIMEND AND TEMPORARY EROSION PREVENTION AND DOWNGRADIENT PERMITER CONTROL IS COMPLETE. THE RESIDENCE SELLST OT THE HONGCOWER, AND THE PERMITTEE DISTRUCTES THE MERCAS THORCOWNER FACT SHEPT" TO THE

13.7 FOR CONSTRUCTION PROJECTS ON AGRICULTURAL LAND (E.G., PIPELINES ACROSS CROPLAND), PERMITTEES MUST RETURN THE DISTURBED LAND TO ITS PRECONSTRUCTION AGRICULTURAL USE PRIOR TO SUBMITTING THE NOT. [MINN. R. 7090]

RMITTEES MUST PLACE PESTICIDES, FERTILIZERS AND TREATMENT CHEMICALS UNDER COVER (E.G., PLASTIC SHEETING IPORARY ROOFS) OR PROTECT THEM BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH

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

10 PERMITTEES MAY ADJUST THE INSPECTION SCHEDULE DESCRIBED IN ITEM 11.2 AS FOLLOWS

11.3 PERMITTEES MUST INSPECT AND MAINTAIN ALL PERMANENT STORMWATER TREATMENT BMPS. (MINN. R. 7090)

14.1 TEMPORARY SEDIMENT BASINS, IMINN, R. 7050]

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

AND MARK THE AREA

VEHICLE FUELING AND DEPANT MININ R 70901

THALTEENTMANT SENTEMBERGENEST. LINES THALTWEETE THE YIGU OR MORE ACRES OF DISTURBED SOLL DRAIN TO A COMMON LOCATION, PERMITTEES MUST PROVIDE A TEMPORARY SECURENT BASIN TO PROVIDE TREATMENT OF THE RUNOFR BEFORE IT LEAVES THE CONSTRUCTION SITE OF DETRESS SUPERE WATERS, PERMITTEES MAY CONCERT A TEMPORARY SECURENT DASIN TO A PERMANENT OVER THAS THE CONSTRUCTION IS COMPLETE. THE TEMPORARY BASIN IS NO LONGER REQUIRED WHERE MUST REMAINENT COVER THAS REQUIRED WHEN TO A COMMON LOCATION, MAN, R. 700] THE A ACREAGE OF DISTURBED SOLT OL SS THAN TEN YIGUARGES DRAINING TO A COMMON LOCATION, MINN, R. 700]

14.3 THE TEMPORARY BASIN MUST PROVIDE LIVE STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A TWO (2)-YEAR 24-HOUR STORM FROM FACH ACRE DRAINED TO THE BASIN OR 1.800 CUBIC FEET OF LIVE STORAGE PER ACRE DRAINED, WHICHEVEN IS GREATER, IMINN R 7090

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, 7090)

INTERNATION IN A CONSTRUCTION OF A CONSTRUCTION OF A CONSTRUCTION OF A CONSTRUCTION OF A CONSTRUCT OF A CONSTRU

14.7 PERMITTEES MUST PROVIDE ENERGY DISSIPATION FOR THE BASIN OUTLET WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER, (MINN R. 706)

14.8 PERMITTEES MUST LOCATE TEMPORARY BASINS OUTSIDE OF SURFACE WATERS AND ANY BUFFER ZONE REQUIRED IN TEM 23.11, (MINN, R. 7050)

ITEM 23.11, JMINN, R. 7890] 14.9 PERMITTEES MUST CONSTRUCT THE TEMPORARY BASINS PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING TO A COMMON LOCATION, JMINN R. 7000] 14.10 WIRELE 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/ORS SEDIMENT TRAPS, SILT FERVES, WOES INSTALL EFFECTIVE SEDIMENT CONTROLS SUCH AS SMALLER SEDIMENT BASINS AND/ORS SEDIMENT TRAPS, SILT STRUCES, WOES IN DETERMINING WHETHER INSTALLING A SEDIMENT BASIN IS INFEASIBLE. PERMITTEES MUST CONSIDER SILE CONSENT OF EFEMINING WHETHER INSTALLING A SEDIMENT BASIN IS INFEASIBLE. PERMITTEES MUST CONSIDER PUBLIC SAFETY AND MAY CONSIDER FACTORS SUCH AS SITE SOILS. SLOPE, AND AVAILABLE AREA ON-SITE. PERMITTEES MUST DOCUMENT THE DETERMINIATION OF INFEASIBILITY IN THE SWFPP [MINN: R 7090]

TO 2 PERMITTEES MUST DESIGN THE PROJECT SOLAL STORMWATER DISCHARGED FROM THE PROJECT DURING AND AFTER CONSTRUCTION ACTIVITIES DOES NOT CAUSE A VICILATION OF STATE WATER QUALITY STANDARDS. INCLUDING NUISANCE CONDITIONS, EROSION IN RECEIVING CHANNELS OR ON DOWNSLOPE PROPERTIES, OR A SIGNIFICANT ADVERSE IMPACT TO WETLANDS CAUSED BY INUNDATION OR DECREASE OF FLOW [MINN R. 7080]

THE LONGS GAUGED OF INDURATION OF DECREASE OF LOT INNER TO TOUT IN THE TOUSING THE SECOND AND A DECREASE OF THE WATER THE ADDRESS AND A DECREASE OF A DECREA

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] USE: NOTICE VIEW FILE DE LITE PRUZEL ; MARY, R. 7080) IES PERMITTES MUST PRIST CONSIDER VOLUME REDUCTION PRACTICES ON SITE (E.G., INFILTRATION OR OTHER) WHEN DESIGNING THE PERMANENT STORMWATER TREATMENT SYSTEM. IF THIS PERMIT PROHIBITS INFILTRATION AS DESCRIBED IN TEM IS LA THROUGH ITEM IS 2. PERMITTES MAY CONSIDER A WET SEDIMENTATION ASAI, PLATATION RASIN OR REGIONAL POND. THIS PERMIT DOES NOT CONSIDER VWET SEDIMENTATION BASINS AND FILTRATION SYSTEMS TO BE VOLUME REDUCTIO PRACTICES, MUNN. R 7800)

PRACTICES, JMMN, K. 7000] ISS PRO 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 BWPPP. JMMN, R. 7069] ISS 7 PERMITTEE MUST DISCHARGE THE WATER. FOULTIVY VOLUME TO A PERMANENT STORK/WATER TREATMENT SYSTEM PRIOR TO DISCHARGE TO A SURFACE WATER. FOR PURPOSES OF THIS ITEM. SURFACE WATERS DO NOT INCLUDE MANHAMI DRINIAGE SYSTEMS THAT COUNCY STORMWATER TO A PERMANENT STORK/WATER TREATMENT SYSTEM. JMNN, R. 7060].

15.8 WHERE THE PROXIMITY TO BEDROCK PRECLUDES THE INSTALLATION OF ANY OF THE PERMANENT STORMWATER TREATMENT SYSTEM, MINN, R. 7000; 15.8 WHERE THE PROXIMITY TO BEDROCK PRECLUDES THE INSTALLATION OF ANY OF THE PERMANENT STORMWATER TREATMENT PRACTICES REQUINED BY SECTIONS IS THROUGH IN, PERMITTEES MUST INISTALL OTHER TREATMENT SUCH AS GRASSED SWALES, SMALLER PONDS, OR GRIT CHAMBERS. PRIOR TO THE DISCHARGE OF STORMWATER TO SURFACE WATER ININN R. 7000;

[MINN R, 7090] 15 9 FOR LIVERA PROJECTS WHERE PERMITTEES CANNOT TREAT THE ENTIRE WATER QUALITY VOLUME WITHIN THE EXISTING RIGHT-OF-WAY, PERMITTEES MUST MAKE A REASONABLE ATTEMPT TO OBTAIN ADDITIONAL RIGHT-OF-WAY, FASELMENT OR OTHER PERMISSION FOR STORMWATER TREATMENT DURING THE PROJECT PLANNIC PROCESS DOCUMENTATION OF THESE ATTEMPTS MUST BE IN THE SWAPP PERMITTEES MUST STILL CONSIDER VOLUME REDUCTION PRACTICES FIRST AS DESCRIBER IN ITEM 15 IF PERMITTEES CANNOT OBTAIN ADDITIONAL RIGHT-OF-WAY, EASEMENT OR OTHER PERMISSION, THEY WUST MAXIMUZE THE TREATMENT OF THE WATER DURING PRIOR TO DISCHARGE TO SURFACE WATERS, [MINN. R 7090]

16.2 INTELETION OF STEEMS [MINN. R. 7080] 16.2 INTELETION OF TIONS INCLUDE. BUT ARE NOT LIMITED TO: INFILTRATION BASINS. INFILTRATION TRENCHES. RAINWATER GARDENS, BIORETENTION ARES WITHOUT UNDERDRAINS, SWALES WITH IMPERMEABLE CHECK DANS, AND NATURAL DEPRESSIONS. IF PERMITTERS UTILIZE AN INFILTRATION SYSTEM TO MEET THE REQUIREMENTS OF THIS PERMIT, THEY MUST INCORPORATE THE DESIGN PARAMETERS IN INFILTMATION SYSTEM TO MEET THE REQUIREMENTS OF THIS PERMIT. THEY MUST INCORPORATE THE DESIGN PARAMETERS IN THE 15.3 THROUGH ITEM 16.3 I THROUGH ITEM 16.3 I FROM THE INFILTMATION PROVIDENTIAN IN TEM 15.4 ANYTIME AN INFILTRATION SYSTEM IS DEBIGNED, INCLUDING THOSE NOT REQUIRED BY THIS PERMIT [MINN R. 7080]

16.3 PERNITTEES 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) [AINN R. 7, 300]

(AMIN) R. 7.090() ICA PERMITEES MUST NOT EXCAVATE INFILTRATION SYSTEMS TO FINAL GRADE. OR WITHIN THREE (3) FEET OF FINAL GRADE., UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN CONSTRUCTED AND FULLY STABILIZED UNLESS THEY PROVIDE RIGGROUS EROSION PREVENTION, AND SEDIMENT CONTROLS (E.G., DIVERSION BERMS) TO KEEP SEDIMENT AND RUNOFF COMPLETELY AWAY FROM THE INFILTRATION AREA. (MINN. R. 7080)

16.5 WHEN EXCAVATING AN INFLITATION SYSTEM TO WITHIN THREE (3) FEET OF FINAL GRADE, PERMITTEES NUST STAKE OFF AND MARK IN HE AREA SO HEAVY CONSTRUCTION VEHICLES OR EQUIPMENT DO NOT COMPACT THE SOIL IN THE INFLITATION

AREA JIMMN K. 7890] IGS PERMITES MUST USE A PRETREATMENT DEVICE SUCH AS A VEGETATED FILTER STRIP. FOREBAY, OR WATER QUALITY INLET (E.G., GRIT CHAMBER) TO REMOVE SOLIDS. FLOATING MATERIALS, AND OIL, AND GREASE FROM THE RUNOFF. TO THE MAXIMUM EXTENT PRACTICALE. BEFORE THE SYSTEM ROLTES STORMMATER TO THE INFLITATION SYSTEM. JIMIN R. 7090 IG.7 PERMITTES MUST DESIGN INFLITATION SYSTEMS TO PROVIDE A WATER QUALITY VOLUME (CALQUATER DE AS AN INSTANTANEOUS VOLUME) OF ONE (1) INCH OF RUNOFF, OR ONE (1) INCH INNUS SURFACES CREATED BY MADTHER SYSTEM ON THE SITE. FROM THE NET INCREASE OF IMPERVIOUS SURFACES CREATED BY THE PROJECT. JIMIN R.

EXCESS OF THE WATER QUALITY VOLUME; ROUTED TO THE SYSTEM THROUGH THE UPPERMOST SOIL SURACE OR RNGINEERED MEDIA SURFACE WITHIN 48 HOURS. PERMITTEES MUST ROUTE ADDITIONAL FLOWS THAT CANNOT INFILTRATE WITHIN 48 HOURS TO BYASS THE SYSTEM THROUGH A STABILIZED DISCHARGE POINT [MINK. R. 7930]

I6.9 PERMITTEES MUST PROVIDE A MEANS TO VISUALLY VERIFY THE INFILTRATION SYSTEM IS DISCHARGING THROUGH THE SOIL SURFACE OR FILTER MEDIA SURFACE WITHIN 48 HOURS OR LESS. [MINN. R. 70%0]

15.10 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]

INTELL RAILLING FRAG. TICE UPUN DE LEMANINGUS INTELL RATURN TRA LES, JAMMA E. 7080.] IS 11 FOR DEGISION PURPOSES, PENITTEES MUSIS DIVIDE FIELD MESURED INFLITATION RATES BY 2 AS A SAFETY FACTOR OR PERMITTEES CAN USE SOLI-BORING RESULTS WITH THE INFLITATION RATE CHART IN THE WINNESOTA STORMWATER WANDAL TO DETERMINE DEGISION INFLITATION RATE. WINNES SOLI BORINGS INDICATE TYPE A SOLIS, PERMITTEES SHOLD PERFORM FIELD MEASUREMENTS TO VERIFY THE RATE IS NOT ABOVE 8 3 INCHES PER HOUR. THIS PERMIT PROHIBITS INFLITATION IF THE FIELD MEASURED INFLITATION RATE. IS MOD AS IN 04 ES ONCHES PER HOUR. THIS PERMIT PROHIBITS INFLITATION IF

16.12 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 SYSTEM

16.13 PERMITTEES MUST DESIGN A MAINTENANCE ACCESS, TYPICALLY EIGHT (8) FEET WIDE, FOR THE INFILTRATION SYSTEM. IMINN R. 20001

IS 14 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS THAT RECEIVE RUNOFF FROM VEHICLE FUELING AND MAINTENANCE AREAS INCLUDING CONSTRUCTION OF INFILTRATION SYSTEMS NOT REQUIRED BY THIS

PEMAIL (MINN K. 7000) (ISIS THIS PERMIT PROHIBITS PERNITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS WHERE INFILTRATING STORMWATER KAY MOBILIZE HIGH LEVELS OF CONTAMINANTS IN SOLL OR GROUNDWATER. PERMITTEES MUST ETHER COMPLETE THE MPCAS CONTAMINATION SCREENING CHECKLIST OR CONDUCT THEIR OWN ASSESSMENT TO DETERMINE THE SUITABILITY FOR INFILITRATION, PERMITTEES MUST RETAIN THE CHECKLIST OR ASSESSMENT WITH THE SWPPP FOR MORE MY ORMATION AND TO ACCESS THE MPC/OS "CONTAMINATION SCREENING CHECKLIST SEE THE MINESOTA STORMWATER MANUAL, MINN R

TO A THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILITRATION SYSTEMS IN AREAS WHERE SOIL INFILITRATION RATES ARE FIELD MEASURED AT MORE THAN 8 3 INCHES PER HOUR UNLESS THEY AMEND SOILS TO SLOW THE INFILITRATION RATE BELOW & JINCHES PER HOUR, [MINN R 7000]

VALE DELUVING J NUMES PER FRUME (MINN 14. 7000) IN: 71 THIS FEMALT REVIEWS FEMALTERS FROM CONSTRUCTING INFLITATION SYSTEMS IN AREAS WITH LESS THAN THREE IS; FEET OF SEPARATION DISTANCE FROM THE BOTTOM OF THE INFLITATION SYSTEM TO THE ELEVATION OF THE SEASONALLY SATURATED SOLIS OF THE TOP OF DEBROECK (MINN 17. 7600)

16.19 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS WITHIN A DRINKING WATER SUPPLY MANAGEMENT AREA (DWSMA) AS DEFINED IN MINN. R. 4720.5100, SUBP. 13. IF THE SYSTEM WILL BE LOCATED: A. IN AN EMERGENCY RESPONSE AREA (ERA) WITHIN A DWSMA CLASSIFIED AS HAVING HIGH OR VERY HIGH VULNERABILITY AS DEFINED BY THE MINNESOTA DEPARTMENT OF HEALTH, OR

I REDI MIERI STSCHWARD TO FREVENT ADVERSE IMPACTS TO GROUDWAREN. ON C OUTSIGE OF AN ERA WITHIN A DVSMA CLASSIFIED AS HAVING HIGH OR VERY HIGH VULNERABILITY. UNLESS A REGULATED MS4 PERMITTE PERFORMED OR APPROVED A HIGHER LEVEL OF ENGINEERING REVIEW SUFFICIENT TO PROVIDE A FUNCTIONING TREALMENT SYSTEM AND TO PREVENT ADVERSE IMPACTS TO GROUDWAREN. SEE "HIGHER LEVEL OF ENGINEERING REVIEW" IN THE MINNESOTA STORMWATER MANUAL FOR MORE INFORMATION. MINN R 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] LE 21 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTION INFUTATION VSTEMS IN AREAS THAT RECEIVE RUNOFF FROM THE FOLLOWING INDUSTRIAL FACILITIES NOT AUTHORIZED TO INFUTATION VSTEMS IN AREAS THAT RECEIVE RUNOFF STORWIXTER PERMIT FOR INDUSTRIAL ACTURIES AUTOMOBILE SALVAGE VARIOS SCRAP RECVOLING AND WASTE RECYCLING FACILITIES HAZAROUS WASTE TREATMENT STORAGE, OR DISPOSAL FACILITIES, OR AIR TRANSPORTATION FACILITIES THAT CONDUCT DESIGNA ACTIVITIES (MINN R 7369)

16.18 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS IN AREAS OF PREDOMINATELY HYDROLOGIC SOIL GROUP TYPE D SOILS (CLAY), [MINN P. 7080]

AS DEFINED BY THE MINNESOTA DEPARTMENT OF HEALTH. ON E IN AN ERA WITHIN A DWSHA CLASSFIED AS MODERATE UNLERABILITY UNLESS A REGULATED MS4 PI PERFORMED OR APPROVED A HIGHER LEVEL OF ENGINEERING REVUEW SUFFICIENT TO PROVIDE A FU TREATMENT SYSTEM AND TO PREVENT ADVERSE IMPACTS TO GROUNDWATER; OR

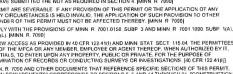
6.8 PERMITTEES MUST DESIGN THE INFILTRATION SYSTEM TO DISCHARGE ALL STORMWATER (INCLUDING ST

A. CONSTRUCTION ACTIVITY HAS CEASED FOR AT LEAST 90 DAYS; AND

4.1 TERMINATION OF COVERAGE, [MINN. R. 7080] 4.2 PERMITTEES MUST SUBMIT A NOT WITHIN 30 DAYS AFTER ALL TERMINATION CONDITIONS LISTED IN SECTION 13 ARE COMPLETE IMMIN. R. 70001

COMPLETE, IMINN R. 7090] 4.3 FERMITTES MUST SUBMIT A NOT WITHIN 3D DAYS AFTER SELLING OR OTHERWISE LEGALLY TRANSFERRING THE ENTIRE SITE, INCLUDING PERMIT RESPONSIBILITY FOR ROADS (E.G. STREET SWEEPING) AND STORMWATER INFRASTRUCTURE FINAL CLEAN QUT, OR TRANSFERRING PORTIONS OF A SITE TO ANOTHER PARTY. THE PERMITTEES' COVERAGE UNDER THIS PERMIT TERMINATES AT MIDNIGHT ON THE SUBMISSION DATE OF THE NOT, [MINN, R. 7090] 4.4 PERMITTEES MAY TERMINATE PERMIT: COVERAGE PRIOR TO COMPLETION OF ALL CONSTRUCTION ACTIVITY IF THEY MEET ALL OF THE FOLLOWING CONDITIONS'





24.9 THE PERMITTEES MUST COMPLY WITH THE PROVISIONS OF MINN R 7001.0150. SUBP 3 AND MINN R 7001.1090. SUBP 1(A) 101. 110. 111. 111. 113. 114. AND 111. IMINN R 70801

1(B), I(C), I(H), I(U), I(U), I(K), AND I(L), ININN, K. (709) 24, IO THE PERMITTEES MUST ALLOW ACCESS AS PROVIDED IN 40 CFR 122.41(I) AND MINN STAT SECT 115.04 THE PERMITTEES MUST ALLOW REPRESENTATIVES OF THE MICA OR ANY MEMBER, EMPLOYEE OR AGENT THEREOF, WHEN AUTHORIZED BY IT. UPON PRESENTATION OF OREDENTIALS, TO ENTER UPON ANY PROPERTY, PUBLIC OR PRIVATE, FOR THE PURPOSE OF OBTAINING INFORMATION OR EXAMINATION OF RECORDS OR CONDUCTING SURVEYS OR INVESTIGATIONS. [40 CFR 122.41[I]) 24.11 FOR THE PUPPOSES OF MINN. R 7050 AND OTHER DOCUMENTS THAT REFERENCE SPECIFIC SECTIONS OF THIS PERMIT. 'STORWATER' DISCHARCE DESIGN RECURRENTS' CORRESPONDS TO SECTIONS 5, 6 AND 1 THROUGH 21, 'CONSTRUCTION ACTIVITY RECURRENTS' CORRESPONDS TO SECTIONS 7 THROUGH IS, AND 'APPENDIX A' CORRESPONDS TO SECTIONS 22 AND 23 MINN R 7050)

ANNUL IN 1999) 24.6 PERMITTEES MAY NOT ASSIGN OR TRANSFER THIS PERMIT EXCEPT WHEN THE TRANSFER OCCURS IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF ITEM 3.7 AND 3.8 [MINN. R 7090] THE APPLICABLE REQUIREMENTS OF ITEM 37 AND 38 (MINN R 7090) 37 NOTHING IN THIS PERMIT MUST BE CONSTRUET TO RELIVE THE PERMITTEES FROM CIVIL OR CRIMINAL PENALTIES FOR NORCOMPLIANCE WITH THE TERNS AND CONDITIONS PROVIDED HEREIN NOTHING IN THIS PERMIT HUST BE CONSTRUED TO PERCULDE THE INTIATION OF NAVI EGAL ACTION OR RELIVEY THE PERMITTEES FROM ANY RESPONSIBILITES. URB PENALTES TO WHICH THE PERMITTEES ISVARE OR NAV BE SUBJECT TO UNDER SECTION 311 OF THE CLEAW WATER ACT AND NINN. STAT SECTI 15 AND 16 AS A MENDED PERMITTEES ARE NOT LABLE FOR PERMIT REQUIREMENTS FOR ACTIVITIES OCCURRING ON THOSE PORTIONS OF A SITE WHERE THE PERMITTEES COTO PERMIT REQUIREMENTS FOR ACTIVITIES OCCURRING ON THOSE PORTIONS OF A SITE WHERE THE PERMIT HAS BEEN TRANSFERRED TO ANOTHER PARTY AS REQUIRED IN TEM 3.7 OR THE PERMITTEES HAVE SUBJECT TO UNDER SECTION 4, JIMIN R 7090] 24 A THE PROVISIONS OF THIS PERMIT ARE SEVERABLE IF ANY PROVISION OF THIS PERMIT RECUCTON OF AVY PROVISION OF THIS PERMIT ANY CREATING SIS IN THE ON ALL OTHER PERULCATION OF SUCH PROVISION THE SIGNED FOR THIS PERMIT RECUCTOR OF OTHER PROVISION OF THIS PERMIT DERIVITED THE NOTA SECURIZED IN SECTION 4, JIMIN R 7090]

24.5 PERMITTEES MUST MAKE THE SWIPP, INCLUDING ALL INSPECTION REPORTS, MAINTENANCE RECORDS, TRAINING RECORDS AND DTHER INFORMATION REQURED 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. 70301

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 122.28(B)(3)]

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]

AT LEEPERAL PROVISIONS_DIMMENT A JUBDI 24.2 IF THE MECA DEFERMINES THAT AN INDIVIDUAL PERMIT WOULD MORE APPROPRIATELY REGULATE THE CONSTRUCTION ACTIVITY. THE MECA MAY REQUIRE AN INDIVIDUAL PERMIT TO CONTINUE THE CONSTRUCTION ACTIVITY. COVERAGE UNDER THIS GENERAL PERMIT WILL REVAIN IN EFFECT UNTIL THE MECA ISSUES AN INDIVIDUAL PERMIT MIN. R 7001.0210. SUEP 61

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

B. INDVIDUALS OVERSEING IMPLEMENTATION OF, REVISING AND/OR AMENDING THE SWPPP AND INDIVIDUALS PERFORMING INSPECTIONS FOR THE ROJECT ONE OF THESE INDIVIDUALS MUST BE AVAILABLE FOR AN ONSITE INSPECTION WITHIN 72 HOURS UPON REQUEST BY THE MPCA INDIVIDUALS PERFORMING OR SUPERVISING THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS. [MINN R. 7090] C INDIVIDUALS PERFUNDING ON SUPERVISING THE INTERNAL TO AND THE MAIN LEWING. HE PAIN OF LIFE A LINER NO. 2014 21.3 PERMITTEES MUST ENSURE INDIVIDUALS IDENTIFIED IN SECTION 21 RECEIVE TRAINING FROM LICAL STATE, FEDERAL AGENCIES, PROFESSIONAL ORGANIZATIONS, OR OTHER ENTITIES WITH EXPERTISE IN EROSION PREVENTION. SEDIMENT CONTROL, PERMANENT STORMWATER TREATMENT AND THE MINNESOTA NPDESISS CONSTRUCTION STORMWATER PERM PERMITTEES MUST ENSURE THESE INDIVIDUALS ATTEIND A REFRESHER-RADINING COURSE EVERY THREE (3) YEARS, [MINN.

21.1 TRAINING REQUIREMENTS. [MINN. R 7090] 1.2 PERMITTEES MUST ENSURE ALL OF THE FOLLOWING INDIVIDUALS RECEIVE TRAINING AND THE CONTENT AND EXTENT OF HE TRAINING IS COMMENSURATE WITH THE INDIVIDUAL'S JOB DUTIES AND RESPONSIBILITIES WITH REGARD TO ACTIVITIES INDIVIDUALS PREPARING THE SWPPP FOR THE PROJECT.

20.1 SWPPP AVAILABILITY, IMINN, R. 70901 0.2 PERMITTEES MUST KEEP THE SWPPP. INCLUDING ALL CHANGES TO IT. AND INSPECTIONS AND MAINTENANCE RECORDS AT THE SITE DURING NORMAL WORKING HOURS BY PERMITTEES WHO HAVE OPERATIONAL CONTROL OF THAT PORTION OF THE

19.1 REGIONAL WET SEDIMENTATION BASINS. [MINN. R. 7090] 19. TREGIONAL THE TSEUMENTATION BASINS, IMINETE, 1993) 19. TREGIONAL THE TSEUMENTATION BASINS, PARAMELE CANNOT BE REFAINED ONSITE, PERMITTEES CAN USE OR CREATE REGIONAL WET SEDIMENTATION BASINS PROVIDED THEY ARE CONSTRUCTED BASINS, NOT A MATURAL WETLAND OR WATER BODY, WETLANDS USED AS REGIONAL BASINS MUST BE UTIGATE DORS, RESE SECTION 21, THE OWNER MUST ENSURE THE REGIONAL BASIN CONFORMS TO ALL REQUIREMENTS FOR A WET SEDIMENTATION BASIN AS DESCRIBED IN ITEMS 18. THAOUGH 18. 10 AND MUST BE LANGE EXOLUTE NO ACCOUNT FOR THE ENTIRE AREA THAT TRANSIT OT THE REGIONAL BASIN MERINES MUST VERIFY THAT THE REGIONAL BASIN WILL DISCHARGE AT NO MORE THAN 3.60 CPS PER ADRE D'S DIFARCE AREA OF THE BASIN AND MUST BE LANGE ENOLUTE. DISCHARGE VATURE ONE THE ONIC BASIL THE IMPRIVIDUS AREA DARINING TO THE BASIN. AND MUST BE CANNOT SIGNIFICANTLY DEGRADE WATERWAYS BETWEEN THE PROJECT AND THE REGIONAL BASIN. THE ON/WER MUST OBTIAN WITTEN AUTHORIZATION FROM THE APPLICABLE UD OR PRIVATE ENTITY THAT THE REGIONAL BASIN. THE ON/WER MUST OBTIAN WITTEN AUTHORIZATION FROM THE APPLICABLE UD OR PRIVATE ENTITY THAT THE REGIONAL BASIN. THE ON/WER

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. BASIN OUTLETS MUST HAVE ENERGY DISSIPATION. [MINN. R. 7090] TAP PERMITTEES MUST DETAIL THE BASIN TO MOLUDE A STABILIZED EVERGENCY OVERFLOW TO ACCOMMODATE STORM EVENTS IN EXCESS OF THE EASINS HYDRAULCO DESIGN (MINN, R. 7680)

18.8 PERMITTEES MUSY DESIGN A MAINTEN ANCE ACCESS, TYPICALLY EIGHT (B) FEET WIDE. FOR THE BASIN. (MINN. R. 7090)

18 & PERMITLEES MUST DEGIDAR ADVISION FUNCTION DE ACLESS, THEMALE FROM THE THE MUST FUNCTION THE DAMIN, BANK THE ACLESS, THEMALE FROM THE THE SANDARY BUTFER ZONE REST AND ANY BUTFER ZONE REST. AND ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. AND ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. AND ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. ANY BUTFER ZONE REST. ANY BUTFER ZONE REST ANY BUTFER ZONE REST. ANY BUTFER ZONE REST. ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. ANY BUTFER ZONE REST ANY BUTFER ZONE REST. ANY BUTFER ZONE REST AND ANY BUTFER ZONE REST. ANY BUTFER ZONE REST. ANY BUTFER ZONE REST. ANY BUTFE

AINING IS COMMENSUR ED UNDER THIS PERMIT

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

18.4 PERMITTEES MUST DESIGN THE BASIN TO PROVIDE LIVE STORAGE FOR A WATER OUALITY VOLUME (CALCULATED AS AN INSTANTAREON VOLUME) OF ONE (1) INCH OF RUNOFT, OR VOLE (1) INCH MINUS THE VOLUME OF STORMWATER TREATED EV ANOTHER SYSTEM ON THE SITE, FROM THE NET INCREASE IN IMPERVIOUS SURFACES CREATED BY THE PROJECT [MINN, R 7960]

18.1 WET SEDIMENTATION BASIN. [MINN. R. 7090] 16.1 WET SEDIMENTATION BASIN. [MINN. R. 7080] 16.2 PERNITTEES USING A VET SEDIMENTATION BASIN TO MEET THE PERMANENT STORAWATER TREATMENT REQUIREMENTS OF THIS PERMIT MUST INCORPORATE THE DESIGN PRAMAETERS IN ITEM 18.3 THROUGH 18.10 [MINN. R. 7080] 16.3 PERMITTEES MUST DESIGN THE BASIN TO HAVE A PERMANENT VOLUME OF 18.00 CURCHET OF STORAGE RELOW THE OUTLET PIPE FOR EACH ACRE THAT DRAINS TO THE BASIN THE BASIN'S 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 MINIMIZE SCULF OR RESIDEPOSITION OF DUDE) [SMINN. R. 7890]

17 11 THE PERMITTEES MUST DESIGN A MAINTENANCE ACCESS, TYFICALLY EIGHT (8) FEET WIDE, FOR THE FILTRATION SYSTEM. [MINN R 7090]

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. 70901 129 PERMITTEES MUST EMPLOY AND PROPRINT CONSTRUCTION NEURAL WITHIN 48 HOURS. (MINN H. 1795) 179 PERMITTEES MUST EMPLOY APPROPRIATE ON CONSTRUCTES INTO TO ENSURE A MINIMUM OF THREE (1) FEET OF SEPARATION BETWEEN THE SEASONALLY SATURATED SOILS (OR FROM BEDROCK) AND THE BOTTOM OF THE PROPOSED FILTRATION SYSTEM, (MINN R 7090)

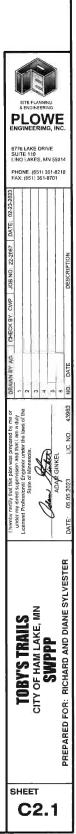
7 PERMITTEES MUST DESIGN THE FUTRATION SYSTEM TO DISCHARGE ALL STORMWATER (INCLUDING TL7 PERMIT TEEP MOOT DESIGN THE INTERNITION OF OTE TO BOY DEVICE ALL OF THE AVECTOR THE AND THE AVECTOR AND TH

TION SYSTEM. IMINN. R. 70201 FIL ITENTIONE 313 LEML JOININ, R. JOBUJ 176 S FRANTTEES MUST DESIGN FILTRATION SYSTEMS TO TREAT A WATER QUALITY VOLUME (CALCULATED AS AN INSTANTANEOUS VOLUME) OF ONE (1) INCH OF RUNOFF, OR ONE (1) INCH MINUS THE VOLUME OF STORMWATER TREATED BY ANOTHER SYSTEM ON THE SITE, FROM THE NET INCREASE OF INDERVISOUS SURFACES CREATED BY THE PROJECT. JMINN, R

17.4 PERMITTEES MUST DESIGN FILTRATION SYSTEMS TO REMOVE AT LEAST 80 PERCENT OF TSS. [MINN. R. 7020] 17.5 PERMITTEES MUST USE A PRETREATMENT DEVICE SUCH AS A VEGETATED FILTER STIP. SMALL SEDIMENTATION BASIN WATER QUALITY INLET. FOREBAY OR HYDROTYNAMIC SEPARATOR TO REMOVE SETTLEABLE SOLDS, FLOATING MATERIALS AND QUES AND GREASE FROM THE RUNOFF, TO THE MAXIMUM SETENT PRACTICABLE. SEFORE RUNOFF ENTERS THE

COMPLY WITH TEMS 1/2 THROUGH 1/1. [MINN R: 7090] 173 FERNITES MUST NOT INSELLI, FILTER NEDA UNTIL THEY CONSTRUCT AND FULLY STABILIZE THE CONTRIBUTING DRAINAGE AREA UNLESS THEY PROVIDE RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS (E.G. DUVERSIO BERNSJ TO KERP SEDIMENT AND RUNGFE COMPLETLY AWAY FROM THE FILTERTION AREA [MINN R 7090]

17.1 FILTRATION SYSTEMS. [MINN. R. 7090] 17.2 FUTRATICN DEPTIONS INCLUDE BUT ARE NOT LIMITED TO: SAND FILTERS WITH UNDERDRAINS, BIOFILTRATION AREAS, SWALES USING UNDERDRAINS WITH INFERMERABLE CHECK DAMS AND UNDERGROUND SAND FILTERS IF PERMITTEES UTILIZE A FUTRATION SYSTEM TO MEET THE PERMIANENT STORMWATER TREATMENT REQUIREMENTS OF THIS PERMIT. THEY MUST COMPLY WITH ITEMS 17.3 THROUGH 17.11, [MINN. R. 7090]



PROJECT NAME TOBY'S TRAILS

PROJECT LOCATION 16220 NAPLES ST NE HAM LAKE, MN 55304 ANOKA COUNTY

LATITUDE: 45 26503 LONGITUDE: -03.18670

DEVELOPER

RICHARD AND DIANE SYLVESTER 16200 NAPLES ST NE HAM LAKE, MN 55304 CONTACT PHONE

DICK: 763.229.1247 DIANE: 763.242.8866 DIANE:SYLVESTER@HOTMAIL.COM DICK:SYLVESTER@HOTMAIL.COM CONTACT E-MAIL

GENERAL CONTRACTOR

NARRATIVE - PERMANENT STORMWATER TREATMENT SYSTEMS

ONE INFLITATION BASIN IS PROPOSED TO MEET STORMWATER MANAGEMENT REQUIREMENTS. SEE 'STORWATER DRAINAGE REPORT' FOR FURTHER DISCUSSION AND INFORMATION.

SITE IMPERVIOUS AREAS

	BEFORE CONSTRUCTION	AFTER
TOTAL ANALYZED AREA	26.78± ACRES	
TOTAL ESTIMATED IMPERVIOUS	0.39 ACRES	0.71 ACRES
TOTAL ESTIMATED PERVIOUS	26.39 ACRES	26.07 ACRES

TOTAL DISTURBED AREA 2.4 ACRES

SITE MAP WI EXISTING AND FINAL GRADES AND DESIGN CALCULATIONS SEE "STORNWATER DRAINAGE REPORT" FOR EXISTING AND PROPOSED AREA MAPS, DENOTING DRAINAGE AREA BOUNDARIES, DIRECTIONS OF FLOW. AND DISCHARGE POINTS WHERE STORNWATER LEAVES THE SITE

RECEIVING WATERS WITHIN ONE MILE

NAME OF WATER BODY	TYPE OF WATER BODY	SPECIAL WATER	IMPAIRED WATER
UNNAMED WETLANDS	WETLAND	NO	NO
COON CREEK (AN UNIMPAIRED BRANCH)	DITCH	NO	NO

BUFFER TO SURFACE WATER

- VES NO NA IF THE SITE DRAINS TO A SURFACE WATER, IS A 50-FT NATURAL BUFFER ADJACENT TO THE SURFACE WATER PRESERVED?

 - THE JOINTAL WALLEN TOLLOWED DUTT: ANTUAL BUFFERS ARE NOT REQUIRED ADJACENT TO ROAD DITCHES, JUDICIAL DITCHES, COUNTY DITCHES, STOBANWATER CONVEYANCE CHANNELS, STORM DRAIN NIETS, AND SEDMENT BASINGS. A) THERE IS A WETLAND ON THE SITE FROM WHICH A SO-FT NATURAL BUFFER CANNOT BE PRESERVOR. REDUINDANT SEDMENT CONTROL MEASURES ARE
 - VIDED IN THOSE LOCATIONS.

TEMPORARY SEDIMENTATION BASINS

 Image: Instruct December Virtual Predition

 Image: Image

A) GIVEN THE SIZE OF THE ANTICIPATED DISTURBED AREA, THIS IS NOT APPLICABLE.

INFILTRATION FEASIBILITY

ARE THERE ANY INFILTRATION RESTRICTIONS FOR THE SITE (SEE 15.14 YES NO N/A THROUGH 16.21? A) THE SITE HAS HSG A SOILS (SANDS) AND INFILTRATION IS FEASIBLE. THE WATER TABLE IS FAIRLY HIGH SO INFILTRATION IS NOT FEASIBLE IN ALL LOCATIONS.

ADDITIONAL STORMWATER MITIGATION MEASURES

- VES NO
 - ENVIRONMENTAL REVIEW DOCUMENT?
 - ENDANGERED SPECIES REVIEW? ARCHAEOLOGICAL REVIEW?
 - OTHER LCCAL, STATE OR FEDERAL REVIEW?
 - UTHER LUCAL, STATE OK REVEWY IF YES TO ANY OF THE ASOVE, DESCRIBE THE NITIGATION MEASURES FOR PURPOSES OF THIS PERMIT, MITIGATION MEASURES MEANS ACTIONS NECESSARY TO AVOID, MINIMALIZO, OR MITIGATE FOR INFARTS RELAYED TO EROSION PREVENTION, SEDIMENT CONTROL, THE PERMANENT STORWAYER TREATILENT SYSTEM, POLLUTION PREVENTION MANAGEMENT VIEASURES AND DISCHARGES ASSOCIATED WITH THE PROJECT'S CONSTRUCTION ACTIVITY (MINN R 7030)

DOCUMENTATION OF TRAINED INDIVIDUALS INDIVIDUAL WHO PREPARED THE SWPPI NDIVIDUAL WHO PREPARED T ADAM GINKEL PLOWE ENGINEERING, INC. 8776 LAKE DRIVE LINO LAKES MN 55014 (651) 35 LA8234 adam@plowe.com B. INDIVIDUALIS; 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

OURS UPON REQUEST BY THE MPCA	[MINN R. 7090]
NAME	
COMPANY	TBD - WHEN INFORMATION BECOMES
ADDRESS 1	AVAILABLE, CONTRACTOR TO PROVIDE
ADDRESS 2	INFORMATION TO CITY OF HAM LAKE AND
PHONE	CCWD & UPDATED SWPPP ACCORDINGLY
EMAIL	

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

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

LONG TERM OPERATION AND MAINTENANCE OF PERMANENT STORMWATER FACILITIES

THE PROPOSED STORMWATER MANAGEMENT FEATURE FOR THIS STE INCLUDES ONE INFILTRATION BASIN - THIS WILL BE OPERATED AND MAINTAINED BY THE CITY OF HAM

REVEGETATION SPECIFICATIONS

SOD SEED **		MNBOT SPECIFICATION/NOTES 3878 3876				
				' FOR TURF ESTA	BLISHMENT	
				co	MMERCIAL TURF	MNDOT MIX 25-131 (220 LBS/ACRE)
RE	SIDENTIAL TURF	MNDOT MIX 25-131 (120 LBS/ACRE)				
TEMPORARY	FALL COVER	MNDOT MIX 21-112 (100 LBS/ACRE)				
5	PRING/SUMMER	MNDOT MIX 21-111 (100 LBS/ACRE)				
SOIL-BUILDING COVER		MNDOT MIX 21-113 (110 LBS/ACRE)				
1.	2 YEARS COVER	MNDOT MIX 22-111 (30.5 LBS/ACRE)				
2-	5 YEARS COVER	MNDOT MIX 22-112 (40 LBS/ACRE)				
MULCH		3882 (TYPE 1 - DISC ANCHORED)				
HYDROMULCH		3884				
FERTILIZER		3881				
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	YTO	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)		ACRE
ROCK CONSTRUCTION ENTRANCE		EACH

NARRATIVE - TIMING FOR INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES

- NARRATIVE TIMING FOR INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES

 1. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND SWPPP MUST EFE AVAILABLE ON THE PROJECT STE AT ALL INKES

 2. CONTRACTOR SHALL INSTALL SILT FENCE AS SHOWN ON PLAN

 2.1 ADDITIONAL SILT FENCE MAY EN ENCESARY IF LOCAL CONDITIONS REDUIRE.

 2.2 THE CONTRACTOR SHALL MARTAN SILT FENCE, INCLUDING THE REMOVAL OF CONTRACTOR SHALL INSTALL SILT FENCE AS SHOWN ON PLAN

 2.1 ENDERSING THE REMOVAL OF CONTRACTOR SHALL INSTALL AND CONSTRUCTION ENTRINCE AT ALL LOCATIONS WERE CONTRACTOR TRAVEN IN FAVORE UNTIL SITE HAREASTARE AT ALL LOCATIONS WHERE CONTRACTOR SHALL INSTALL A ROCK CONSTRUCTION ENTRINCE AT ALL LOCATIONS WHERE CONTRACTOR SHALL INSTALL A ROCK CONSTRUCTION ENTRINCE AT ALL LOCATIONS SIL CONTRACTOR MUST INMEDIATELY INITIATE STABILIZATION OF EXPOSED SOIL AREAS, AS DESCRIBED IN THEM & 40 THE FEMALIZATION OF EXPOSED SOIL AREAS, AS DESCRIBED IN THEM & 40 THE FEMALIZATION OF EXPOSED SOIL AREAS, AS DESCRIBED IN THEM & 40 THE TEMPORATILY OR PERMANENTLY CENSES

 3.1 CONTRACTOR NUMBER AT INTIATE STABILIZATION OF EXPOSED SOIL AREAS, AS DESCRIBED IN THEM & 40 THE TEMPORATILY OR PERMANENTLY CENSES

 3.2 CONTRACTOR THAT PORTION OF THE STEE TEMPORATILY OR PERMANENTLY

 3.3 CONTRACTOR ON THEORY ON THE TEMPORATILY OR PERMANENTLY

 3.4 CONTRACTOR ON TONO OF THE STEE TEMPORATILY OR PERMANENTLY
- 5.2 CONTRACTOR TO PROVIDE TEMPORARY SEDIMENTATION BASINS AS REQUIRED IN
- CONTRACTOR 10 PROVIDE : LEMPORARY SEDIMENTATION BASING AS REQUIRED IN SECTION 14.1 THROUGH 14.10.
 CONTRACTOR TO SHALL PAY SPECIAL ATTENTION TO ADJACENT PROPERTY LINES TO ENSURE THE EROSION CONTROL PRACTICES INFLACE IN THOSE AREAS PREVENT MIGRATION OF SEDIMENT ONTO ADJACENT PROPERTIES ALL EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS OR IMPLEVENTED IN THE FIELD SHALL BE IN ACCORDANCE WITH THE CITY AND MPDES PHASE IF PRAIT REQUIREMENTS.
 CONTRACTOR TO PROVDE ADJITONAL SILT FENCE, BIOROLLS, EROSION CONTROL BLAINER, OR OTHER APPROVED EQUAL FOR ANY SLOPES THAT APPEAR TO BE.

- BLANKET, OR OTHER AFFRAGED EQUAL FOR AN SLOPES THAT AFFEAR TO BE CONTRACTOR TO STABILIZE SOIL STOCKPILES; STABILIZATION SHALL BE INITIATED
- CONTRACTOR SHALL FINAL GRADE SWALE AREAS UPON STABILIZATION OF UPSTREAM
- 10 CONTRACTOR SHALL FIRML GROUP SHALL FIRML OF ADJACENT STREETS WHEN AREAS. 11 CONTRACTOR SHALL BE RESPONSIBLE TO SWEEP/SCRAPE ADJACENT STREETS WHEN MATERNIAS OR DEBRIE HAVE WASHEDF-CONVED ONTO ADJACENT STREETS OR AS DIRECTED BY CITY 2 COORDINATE SMALL UTILITIES INSTALLATIONS (GAS, PHONE, ELECTRIC, CABLE, FIBEROPTIC, ETC.; AFTER CURB & GUTTER INSTALLATION

IF DEWATERING IS REQUIRED THE CONTRACTOR SHALL APPLY 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 CCWD A MINIMUM OF SEVEN (7) DAYS PRIOR TO DEWATERING OPERATIONS

BEST MANAGEMENT PRACTICES (BMPS)" MEANS THE MOST EFFECTIVE AND PRACTICABLE TEST MANAGEMENT PRACTICES (BMPS) MEANS THE MOST EFFECTIVE AND PRACTICABLE MEANS OF EXEMBION PREVENTION AND SEDIMENT CONTROL AND WATER OULLIVE MANAGEMENT PRACTICES THAT ARE THE MOST EFFECTIVE AND PRACTICABLE MEANS OF TO CONTROL, PREVENT, AND MUNICE DEGRADATION OF SURFACE WATER INCLUDING AVIDIDANCE OF MPACTS, CONSTRUCT (ON-PHASING, MMRZING THE LENGTH OF TIME SOL AREAS ARE EXPECTIVE, TO MONTANDE SURFACE MAND PRACTICABLE MEANS OF HEUGENEERING, AND SEDIENT AND AND AND AND AND AND AND AND RESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN, R. 700 HED BY STATE OR DESIGNATED AREA/WIDE PLANNING AGENCIES (MINN) RAGENCIES (MINN) AGENCIES (MINN) RAGENCIES (MINN) AGENCIES (MIN

DESIGNATED AREA-WIDE PLANING AGENCIES, IMIN. P. 760) CONSTRUCTION ACTIVITY 'REMAN SCIENTISE STUDIES (SEARNOL GRADING, AND EXCANATINOL. THAT RESULT IN LAND DISTURBANCE OF FOULL TO CR GREATER THAN ONE ACRE: INCLUDING THE DISTURBANCE OF LESS THAN ONE ACRE OF TOTAL LAND AREA ACRE: INCLUDING THE DISTURBANCE OF LESS THAN ONE ACRE. THAN INCLUDES A DISTURBANCE TO THORAWAY OF DEVELOPMENT OR SALE IF THE LARCER COMMON FLAN WILL UITINATE UD STURBANCE AND CONSTRUCTION SALE IF THE LARCER INCLUDES A DISTURBANCE TO THORAWAY OF DEVELOPMENT OR SALE IF THE LARCER INCLUDES A DISTURBANCE TO THORAWAY OF DEVELOPMENT OR SALE IF THE LARCER INCLUDES A DISTURBANCE TO THORAWAY AND NONCEDENTINE ON THE COMMON FLAN TO TOPOGRAPHY THAT MAY RESULT NO CREATER FLAN ONE ACRE. THAN INCLUDES A DISTURBANCE TO THORAWAY AND NONCEDENTINE ON THE CONSTRUCTION DEVELOPMENT THAT ANY LEAD TO SOLUTION ACTIVITY DESC TOPOGRAPHY THAT MAY RESULT IN CACLEGARTED STAMATING THE CRISINAL LINE AND GRADE HOTORAULE CREATER ANATEMANCE PERFORMED TO MAINTAIN THE CRISINAL LINE AND CREADE HOTORAULE CREATER ANALY FERRORMED TO MAINTAIN THE CRISINAL LINE AND CREADE HOTORAULE CREATER ANALY FERRORMED TO MAINTAIN THE CRISINAL LINE AND CREADE HOTORAULE CREATER ANALY FERRORMED TO MAINTAIN THE CRISINAL LINE AND CREADE HOTORAULE CREATER ANALY FERRORMED TO MAINTAIN THE CRISINAL LINE AND CREADE HOTORAULE CREATER ANALY FERRORMED TO MAINTAIN THE CRISINAL LINE AND CREADE HOTORAULE CREATER ANALY FERRORMED TO MAINTAIN THE CRISINAL LINE AND CREADE HOTORAULE CREATER ANALY FERRORMED TO MAINTAIN THE CRISINAL LINE AND CREADE HOTORAULE ANALY FERRORMED TO MAINTAIN THE CRISINAL DOLE NOT DISCUDES AND THE MAINTENANCE FOR HERMEIT FRIMEINT FROM THAT MOLDE AND THESE OF LOCES AND THE MAINTENANCE. FOR HERMEIT FRIMEINT FROM THAT DOLE NOT DISCUDES AND THE MAINTENANCE. FOR CREADENT REMAINTENANCE FOR THE AND THAT DOLE NOT DISCUDES AND THE MAINTENANCE. FOR CREADENT REMAINTENANCE FOR THE AND THAT THAT AND THAT THE AND THAT AND THAT AND THE AND THAT AND THAT AND THAT AND THAT AND THAT AND

CURE INDU TON ALTIMITY JMMIN, 1990 DEWATERING'EMEANST THE REWART STORE OF BUILD WATER TO DRY AND/OR SOLIDITY A CONSTRUCTION SITE TO EMABLE CONSTRUCTION ACTIVITY DEWATERING MAY REQUIRE A MINIBEOTA DEPARTMENT OF NATURAL RESOURCES WATER APPROPRIATION PERMIT AND, IF DEWATERING WATER IS CONTAMINATED. DISCHARGE OF SUCHWATER MAY RECUIRE A MIDVIDUAL IMPACTA APPESISOB PERMIT, INMIN, RTGEI]

"FOSION PREVENTION MEANS MEASURES EMPLOYED TO PREVENT EROSION SUCH AS SOIL STABILIZATION PRACTICES PERMANENT COVER OF CONSTRUCTICN PHASING [MINN R 7060]

P. 70001
TOTORING THE AND THE PARTY WHO SIGNS THE CONSTRUCTION CONTRACT WITH THE OWNER TO CONSTRUCT THE EXTRE PROJECT DESCRIBED IN THE FMAL, FLAS AND SPECIFICATIONS. WHERE THE CONSTRUCTION PROJECT INVOLVES MORE THAN ONE CONTRACTOR. THE USERFALL CONTRACTOR IS THE PARTY RESPONSIBLE FOR MAXABARS THE ENTER FUNCTIONS OF THE OWNER IN SOME CASES. THE OWNER IS THE GENERAL CONTRACTOR. IN THESE CASES, THE OWNER IS THE TARON GENERAL CONTRACTOR. IN THESE CASES, THE OWNER IS THE TARON GENERAL CONTRACTOR. IN THESE CASES, THE OWNER IS THE TARON GENERAL CONTRACTOR. IN THESE CASES, THE OWNER IS THE TARON GENERAL CONTRACTOR IN THESE CASES. THE OWNER IS THE TARON GENERAL CONTRACTOR IN THESE CASES. THE OWNER IS THE TARON CONTRACTOR MEMORY THE CONTRACTORS. IN CASES AND THE TARON CONTRACTOR MEMORY THE CONTRACTORS, IN CASES AND THE CONTRACTOR CONTRACTOR MEMORY THE CONTRACTORS, IN CASES AND THE CONTRACTOR CONTRACTOR MEMORY THE CONTRACTORS, IN CASES AND THE CONTRACTOR CONTRACTOR MEMORY THE CONTRACTORS, IN CASES AND THE CONTRACTORS ON THE CONTRACTOR MEMORY THE CONTRACTORS, IN CASES AND THE CONTRACTORS, INCOME SEDIMENT OR REGULTION OF NOR CONTRACTORS, INCOME SUBTRACTOR CONTRACTORS ONE SEDIMENT OR REGULTION ON NOCK FORMATIONS DEEPER UNDERGROUND, MINN R 76691

HOUN "HOMEOWNER FACT SHEET" MEANS AN MPCA FACT SHEET AVAILABLE ON THE MPCA CONSTRUCTION STORMWATER WEBSITE FOR PERMITTEES TO GIVE TO HOMEOWNERS AT THE TIME OF SALE. [MINN. R. 7000]

THE TIME OF BALE, [MINN, R. 7090] TINFEASIBLE' MEANS NOT TECHNOLOGICALLY POSSIBLE OR NOT ECONOMICALLY PRACTICABLE AND ACHIEVABLE IN LIGHT OF THE BEST INDUSTRY PRACTICES. [MINN, R 7060]

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 STABILIZED. BUT NOT ON THE ENTIRE AREA. OR E. FINALIZING ARRANGEMENTS TO HAVE STABILIZATION PRODUCT FULLY INSTALLED IN COMPLIANCE WITH THE APPLICABLE

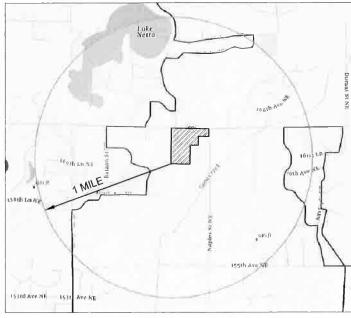
DEADLINE FOR COMPLETING STABILIZATION. [MINN. R. 7090]

URANDING FUNCTIONATED INTO STANDARD NUMBER A TOURAGE THAT ETHER PROVING INDERVICES SUPRACE: MANA SCONSTULE DE MARCE SUNGACE THAT ETHER PROVING SUBFACE IN GREATER CLARKE CONSTULE DE MARCE SUNGACE THAT ETHER PROVING SUBFACE IN GREATER CLANTIES AND AT AN INCREASED BATE OF FLOW THAN PROFING DEVELOPMENT, EXAMPLES INCLUDE ROOFTORS JOEWALKS, GREVENVAS, FARRING LOTS, AND CONCRETE. ASPHALT. CR GRAVEL ROADS. BRIDGES OVER SURFACE WATERS ARE CONSIDERED INDERVICUS SUPRACES, IMAN. PTO61

CONSIDERED INPERVIOUS SURFACES (MINN, R. 7660) "ANTONAL POLITANT DISCHARGE ELIMINATION SYSTEM (INFDESY MEANS THE PROGRAM FOR ISSUING, MODIPYING, REVORING, REESSUING, TEMINIATING, MCATTORING, AND ENFORCING PERMITS UNCER THE (LEAN, WYTER ACT, AS AMENDED SU S.C. 1231 ET SED SECTION 1322 AND 40 CFR PARTS 122, 123, 124 AND 450), (MINN, R. 7060) "INATURAL BUFFER" MEANS AS AREA OF UNDISTURED COVER SURROUNDING SURFACE WATERS WITHIN WHICH CONSTRUCTION ACTIVITIES ARE RESTRICTED. NATURAL BUFFER INCLUDES THE VEGETATION EXPOSED MORG, OR BARRENT, TOBOJ TO COMMENCEMENT OF EARTH-DISTURBING ACTIVITIES (MINN, R. 7060)

CONTINUE OF EACT ON EACT OF EACT OF THE AND A CONTINUES [MINN, R. 7090] "NOTICE OF TERMINATION (NOT)" MEANS THE FORM (ELECTRONIC OR PAPER) REQUIRED FOR TERMINATING COVERAGE UNDER THE CONSTRUCTION GENERAL PERMIT. (MINN: R. 7090]

MAP OF SURFACE WATERS



THERE ARE NO IMPAIRED OR SPECIAL WATERS WITHIN ONE (1) MILE OF THE PROJECT SITE.

NPDES DEFINITIONS

"OPERATOR" MEANS THE PERSON JUSUALLY THE GENERAL CONTRACTOR; JPM. GOVERNMENTAL AGENCY, OR OTHER ENTITY DESIGN/TED BY THE OWNER WHEN HAS DO SPECIFICATIONS ERLATED TO THE SWIPP THE EPRINE THE OWNER WHEN AND SPECIFICATIONS BRLATED TO THE SWIPP THE EPRINE MART APPLICATION WHICH IS THE OPERATOR AS A PERMITTE. SUBCONTRACTORS HIRED BY AND UNDER SUPERVISION OF THE GENERAL CONTRACTOR ARE NOT OPERATIONS, JMIN. R 7030]

THE GENERAL CONTRACTOR ARE NOT OPERATORS. JUNN. R. 7090) TOWNERY VERANS THE PERSON, FIRM. GOVERNMENTAL AGENCY. OR OTHER ENTITY POSSESSING THE TITLE OF THE LAND CM WHICH THE CONSTRUCTION ACTIVITIES WILL OCCUR OR, IF THE CONSTRUCTION ACTIVITY IS FOR A LASE, EASEMENT OR NIVMERAL RIGHTS LUCENSE HOLDER. THE PARTY OR INDIVIDUAL IDENTIFIED AS THE LASE. EASEMENT OR NINREAL RIGHTS LICENSE HOLDER: OR THE CONSTRUCTION ACTIVITY AGENCY RESPONSIBLE FOR THE CONSTRUCTION ACTIVITY JUNN R. 7000

AUSTROJ FREEMONBIUSE FOR THE CONSTRUCTION ACTIVITY (JANN R. 7000) PREMANNENT COVERY MEANS SURFACE TYPES THAT WILL PREVENT SOL FALURE UNDER EROSIVE CONDITIONS, EXAMPLES INCLUDE, GRAVEL CONSTRUCT, PRENENNAL COVER, OR DIFER LANGSAFED MAISERU, HAT WILL PREVENT SOL EROSION PERMITTES MUST ESTABLISH A UNFORM FREENAL YEEDTATUE COVER I.E. EVENUM DISTRUCTED, MUST ESTABLISH A UNFORM FREENAL YEEDTATUE COVER I.E. EVENUM DISTRUCTED, MUST ESTABLISH A UNFORM FREENAL YEEDTATUE COVER I.E. EVENUM DISTRUCTED, MUST ESTABLISH A UNFORM FREENAL YEEDTATUE COVER I.E. EVENUM DISTRUCTURES, OR EDUNALENT PREMANENT STABLIZATION MEASURES, PERMANENT STRUCTURES, OR EDUNALENT PERMANENT STABLIZATION MEASURES, PERMANENT OVER DOES ON TINCLUDE TEMPORARY EMISS SUCH AS WOOD FREE BLANKET, MUCCH, AND ROLLED EROSION CONTROL PRODUCTS, JUNN, R. 7000] PERMITTES FURAS THE OPERANS BIEM ADDREAMULERIA AD ROLLO AD OVERS EVENT

PERMITTEE'S MEANS THE PERSONS. FIRM, GOVERNMENTAL AGENCY, OR OTHER ENTITY IDENTIFIED AS THE OWNER AND OPERATOR ON THE APPLICATION SUBMITTED TO THE MPCA AND ARE RESPONSIBLE FOR COMPLIANCE WITH THE TERMS AND CONDITIONS OF THIS PERMIT. [MINN R. 7090]

THIS FEMAL (MINN R. 1004) PROJECT(S) MARS ALL CONSTRUCTION ACTIVITY PLANNED AND/OR CONDUCTED UNDER A PARTICULAR PEMIT. THE PROJECT OCCURS ON THE SITE OR SITER DESCRIBED IN THE PERINT APPLICATION, THE SUPPORT AND IN THE ASSOCIATED PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS, [MINN R. 7090]

"PUBLIC WATERS" MEANS ALL WATER BASINS AND WATERCOURSES DESCRIBED IN MINN. STAT. SECT. 103G.005 SUBP. 15. [MINN. R. 7080]

STAL CEUT INSUMD SUBF. 13. [MINN R. 7000] "SEDIMENT CONTROL" MEANS METHODS EMPLOYED TO PREVENT SUSPENDED SEDIMENT IN STORNWATTER FROM LEAVING THE STELE G. SILT FENCES COMPOST LOGS AND STORM DRAIN INLET PROTECTION; [MINN R. 7020]

DRAIN MILET PROTECTION; JIMINE R 7890 STABILL27: STABILZ20°, STABILZATION' MEANS THE EXPOSED GROUND SURFACE HAS BEEN COVERED BY APPROPRIATE MATERIALS SUCH AS MUICH STAKED SOD NIPPAP. ERSISION CONTOR LIANKET, MATS OR OTHER MATERIAL THAT PREVENTS ERSIGION FROM OCCURRING, GRASS SEEDING, AGRICULTURAL CROP SEEDING OR CITHER SEEDING ALONE IS NOT STABILIZATION MUICH MATERIALS MUST ACHIEVE APPROXIMATELY 90 PERCENT GROUND COVERAGE (TYPICALLY 2 TON/ACRE), JIMINI R 7890]

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

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)' MEANS A PLAN FOR STORMWATER DISCHARGE THAT INCLUDES ALL REQUIRED CONTENT UNDER IN SECTION S THAT DESCRIBES THE ERGSION PREVENTION. SEDIMENT CONTROL AND WASTE CONTROL EMPS AND FERMANENT STORMWATER TREATMENT SYSTEMS, MIAN. R. 7050]

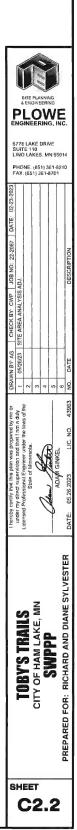
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ACCORDANCE WITH SECTION 22 AS SUBFACE VALUES, [MIN, IF, 1997] WATERS OF THE STATE (AS DEFINED IN MIN) STATE SECT 116 (3) SUBP 22) MEMORY SLIL ESEMANDES, SUBPERS, MARGINES, MERSING, SUBPERS, SU

WATER QUALITY VOLUME" MEANS ONE (1) INCH OF RUNOFF FROM THE NET INCREASE IN IMPERIVOUS SURFACES CREATED BY THE PROJECT (CALCULATED AS AN INSTANTANEOUS VOLUME) [MINN R 7090]

VULUME) [MINN R 7050] VVETLANDS' (AS DEFINED IN MINN. R 7050.0166, SUBP 1A E) MEANS THOSE AREAS THAT ARE INUNDATED OR SATURATED BY SURPACE WITHE OR GROUNDWATER AT A FREQUENCY AND DURATIONS SUFFICIENT OF SUPPORT AND UNDER NORMAL ORCUMSTANCES OF SUPPORT. AND VOED NO. MORE NORMAL VARIANCES OF SUPPORT AND UNDER NORMAL VARIANCES OF SUPPORT VARIANCES OF SUPPORT

- A PREDOMINANCE OF HYDRIC SOILS: AND A PREDOMINANCE OF HTDRIC SUIS, AND 2 INUNDATED OR SATURATED BY SURFACE WATER OR GROUNDWATER AT A FREQUENCY AND DURATION SUFFICIENT TO SUPPORT A PREVALENCE OF HYDROPHYTIC VEGETATION TYPICALLY ADAPTED FOR LIFE IN A SATURATED SOIL CONDITION, AND
- UNDER NORMAL CIRCUMSTANCES SUPPORT A PREVALENCE OF SUCH VEGETATION ININN, 7050 0186, SUBP 14.6)



Ham Lake City Code Article 9

of four structures allowed on a given lot: a *dwelling unit*; a garage (attached or detached with a maximum size of 3000 square feet); an Accessory Building (freestanding); and a yard shed (under 200 square feet). If a garage was originally attached to a *dwelling unit*, and has since been converted to become living space in the *dwelling unit*, then that portion so used shall no longer be deemed a garage.

Up to two Accessory Buildings and a single yard shed may be constructed on a Residential Land Use lot which is more than (1) acre and less than ten (10) acres in the R-1, R-A and PUD zoning districts, under the conditions outlined below. One Accessory Building may be located in and meet the "Front Yard Setback" size and location requirements, and one Accessory Building may be located in and meet the "Side or Rear Yard" size and location requirements outlined below; or, two Accessory buildings may be located within the Side or Rear Yard, and subject to the sizes shown in the table under Article 9-370.1, Size Limitations. It is the intention of this code that for Residential Land Uses in the R-1 and PUD districts, for lots which are more than one (1) acre and less than ten (10) acres, there shall be a maximum of five structures allowed on a given lot: a dwelling unit; a garage (attached or detached with a maximum size of 3000 square feet); two Accessory Buildings (freestanding); and a yard shed (under 200 square feet).

Provided, that for lots in the R-1, R-A, and PUD districts which are 10 acres or more in size, deviation from these standards may be permitted in the discretion of the City Council on a case-by-case basis.

 \star

9-370.1 <u>Size Limitations</u> An Accessory Building shall be no more than one story in height, and the following size limitations shall apply to Accessory Buildings:

	Maximum Accessory Building Size*		
Lot size	Front Yard Setback**	Side or Rear Yard Setback***	
One acre or less	676 sq. ft.	1000 sq. ft.	
1+ acre to 2.5 acres****	720 sq. ft.	1500 sq. ft.	
2.5+ acres to 5 acres	800 sq. ft.	2400 sq. ft. unless approved by City Council	
5+ acres to 10 acres	1200 sq. ft.	3000 sq. ft. unless approved by City Council	
10+ acres	5000 s	sq. ft. unless approved by City Council	

* Sizes shown are the maximum allowable square feet at foundation level.

** The "Front Yard Setback" is the area between the front of the dwelling unit (primary residential structure) and the street right of way. For all lot sizes, *Accessory Buildings* constructed in this area must also be constructed with the building materials outlined below and be architecturally compatible with the dwelling unit

*** The "Side or Rear Yard Setback" is the area that lies away from the road right of way and behind the front yard setback.

**** For lots greater than one acre and up to 2.5 acres, the size limits shown may be combined to allow one Accessory Building in the Side or Rear Yard Setback up to 2250 square feet, and with no additional Accessory Building existing or allowed in the Front Yard Setback.

9-370.2 <u>Building Materials</u> For lots which are 5 acres or less in size, the outside surface materials of all *Accessory Buildings* shall, as closely as practical, match the color, texture and style of the like surfaces on the dwelling unit. For lots which are more than 5 acres in size, all *Accessory Buildings* in the Front Yard Setback shall match the dwelling unit as outlined above. Pole-type construction shall be permitted only on lots exceeding 5 acres and only in the Side or Rear Yard Setback.

9-370.3 <u>Height Restriction</u> For lots which are less than 5 acres in size, the maximum height of an *Accessory Building* shall be equal to the height of the *dwelling unit*, or 25 feet, whichever is less.

9-370.4 <u>Setbacks and Building Codes</u> The locations and building standards for *Accessory Buildings* and *yard sheds* shall be as found in setback standards and the building code for other structures, except that the rear yard setback for *Accessory Buildings* shall be ten feet.

9-370.5 <u>Submittal Requirements</u> In addition to building plans, The *Zoning Officer* may require the submission of a scaled site plan, rendering or pictorial representations, and other data deemed necessary by the *Zoning Officer*.

9-370.6 <u>Usage</u> Accessory Buildings and yard sheds shall be used only for purposes related to the residential use of the parcel, and shall not be used for the conducting of any business or the storage of any business-related property, such as business equipment, business inventory or business supplies, unless approved by the City Council per Article 9-350.3.

9-370.7 <u>Farm Buildings</u> A *Farm Building* is a structure located on land zoned R-A, which is not a *dwelling unit*. No *Farm Building*

All sewage generated in the City shall be treated either in a Minnesota Pollution Control Agency–permitted facility, or in an SSTS that meets the requirements of this code.

No person shall install, alter, repair or operate an SSTS except in compliance with this code. No person shall cover any portion of any SSTS which is being constructed, altered or repaired unless in compliance with written inspection policies as developed and maintained from time to time by the City's Building Official. No activity which constitutes construction, alteration or repair of an SSTS or Holding Tank shall commence unless the plans for the activity have been first approved by the City's building official, and without a permit having been issued by the City's building official for the activity. Any structural activity, such as remodeling, which will add effluent to an SSTS, shall be considered activity which constitutes construction, alteration or repair of an SSTS. For the purposes of this Code, a person responsible for violations hereof shall include the contractor performing any activity, and shall also include the owner(s) of the parcel upon which the activity is being performed. New SSTS construction that is not compliant with this code, or other work on a system that is not compliant with this code shall be brought into compliance within seven days after written notification from the Building Official, unless a different deadline is specified in the notice.

11-450.3 Use of Non-Standard Systems

Non-Standard Systems shall be used only when the use of a Standard System is infeasible, and when used, shall be constructed in accord with all applicable rules and regulations.

11-450.4 Required SSTS Compliance Inspections

An SSTS compliance inspection (meaning an inspection by a person or entity licensed by the Minnesota Pollution Control Agency to determine compliance with minimum construction standards) shall be required in the following circumstances:

- a) For a new or replacement SSTS;
- b) When altering an existing structure to add a bedroom;
- ¥ c)
- When a parcel having an Existing System undergoes development, subdivision by platting or lot split.

If an SSTS is found to be noncompliant with minimum construction codes, notice thereof shall be sent by regular US Mail to the property owner.

11-450.5 Inspections and Pumping Required

A. Inspections

Every SSTS shall be inspected at least one time in every three years, provided, that in order to spread the time for review of inspection reports

detailed in the City's then current Local Surface Water Management Plan shall be observed.

A. Trees During construction of roads, other infrastructure, and lot grading, Contractor will mark all trees identified in the Tree Preservation Plan that will not be affected by construction activity. Identification shall be done in a manner that will clearly identify each tree, through delineation of gross lot areas or a perimeter around individual trees with visible tape or temporary fencing that extends either outside of the drip line of all trees within the protected area, or that extends for the entire "critical root zone" of each tree within the protected area, whichever distance is greatest. The critical root zone is that area that lies within a radius obtained when the tree diameter at a height 4.5 feet above ground level is measured in inches, and one foot of lineal distance from the trunk is provided for each inch of diameter. No spikes, nails or other objects shall be driven into the bark or trunk of any tree in the process of delineating the protected area. During construction activity involving the pouring of concrete, care shall be taken to avoid spillage of excess concrete or cement that could affect the health of trees.

B. <u>Erosion and Sediment Control</u> All stormwater runoff shall be contained in desiltation ponds prior to discharge into any watershed. Proper erosion control measures shall be taken to insure that stormwater runoff does not carry silt material onto public roads or adjoining properties during or after construction.

C. <u>**Drainage</u>** Each plat shall have a positive drainage discharge into a local watershed, in a manner which is designed according to accepted engineering principals using a 100-year storm event as the guideline for runoff control.</u>

D. <u>Ponding</u> Each pond constructed for siltation or stormwater containment shall include signage prohibiting trespassing within the drainage easement area. No such pond shall be represented to lot purchasers as being available to the adjoining landowner for recreational purposes or landscaping.

E. <u>Driveways</u>

1) New Dwellings or Structures

Driveways on all lots containing or proposed for new residential dwellings or new structures shall be limited to 30 feet in width on City streets and 24 feet on cul-de-sacs (see Article 11-730), and shall be paved with either concrete or bituminous surfacing, in accord with standards or specifications to be established by the City Engineer. The paving requirements may be reduced by the

City's Building Official, after conferring with the City's engineer, to a length of 30 feet from the paved portion of the abutting public street if there is a showing of a special circumstance, such as inordinately long driveway length, which makes literal compliance with this provision unfair or unreasonable.

2) Existing Dwellings or Structures

For any remodeling or other project that requires a building permit, a condition of issuance of the building permit shall be the paving of any existing unpaved or inadequately paved driveway serving garages or accessory buildings on the parcel. If the parcel contains an existing driveway having adequate pavement, and the property owner agrees to abandon any other unpaved driveways and take access solely from the paved driveway, then no additional paving shall be required. Notwithstanding the foregoing, the Building Official, after conferring with the City's engineer, may shorten the paving requirement to a length of 30 feet from the paved portion of the abutting public street if there is a showing of a special circumstance, such as inordinately long driveway length, which makes literal compliance with this provision unfair or unreasonable. The Building Official may also eliminate paving needs under the following circumstances:

a) Because of particular topographic conditions, the existence of the driveway poses no immediate threat of erosion that could affect the public road, and poses no immediate threat of siltation flowing onto the public road; or

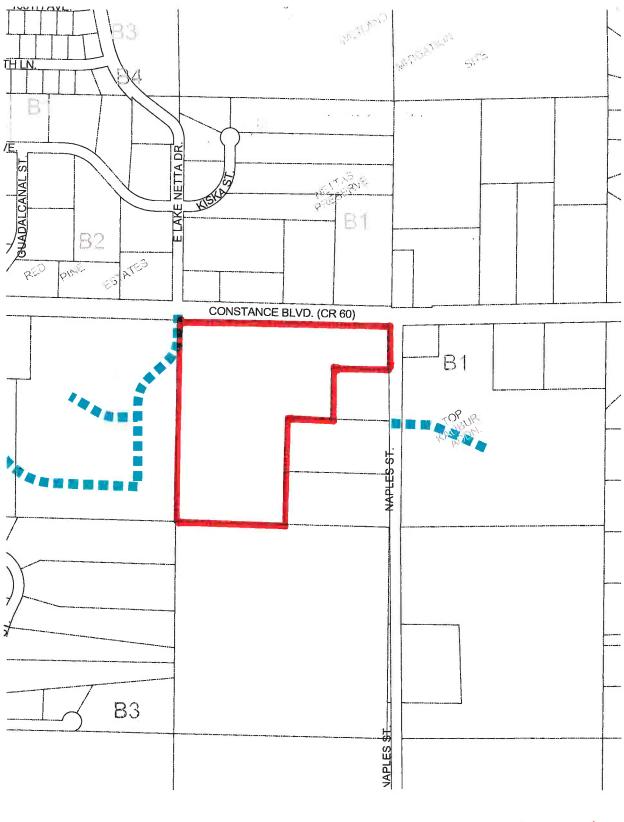
b) The driveway is not intended to be used more often than once monthly, and topographic and vegetative conditions are present that are likely to inhibit or preclude erosion or siltation from developing if the limited usage is observed; and

c) The property owner consents in writing to a license, in recordable form, as follows:

Driveway License Agreement

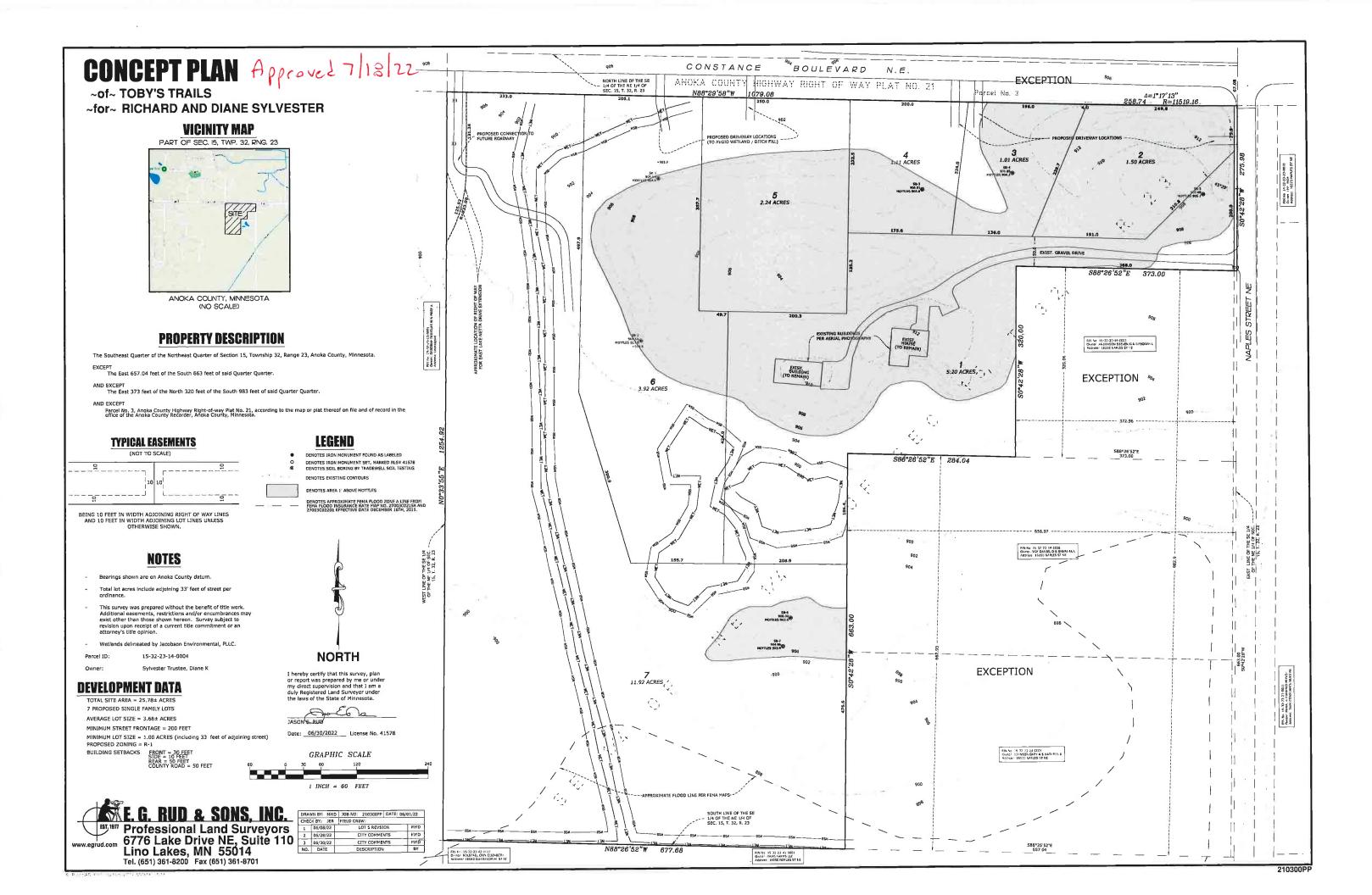
Agreement, made this ____ day of ____, ____, between the City of Ham Lake, Minnesota ("City") and ("Owner");

Recitals



1"= 600'

Future Thoroughfore



Tradewell Soil Testing 18330 Dahlia Street NW Cedar, MN 55011

April 10th, 2023

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 Toby's Trail, for Richard & Diane Sylvester, 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,

KAnhwell

Mark Tradewell MPCA #307

Tom Collins

From:	Abbey Lee <alee@cooncreekwd.org></alee@cooncreekwd.org>
Sent:	Monday, June 12, 2023 10:04 AM
То:	Diane Sylvester
Cc:	Tom Collins; Jennifer Bohr
Subject:	RE: Toby's Trails (P23-028) Review Timeline Extension

Hi Diane,

Yes, I had copied Tom Collins on the email indicating that that we will be recommending approval at the June 26 Board Meeting. Nothing further is required.

Thanks,

Abbey Lee Watershed Development Manager

763.258.7928 direct 763.755.0975 office

13632 Van Buren NE Ham Lake, MN 55304 www.cooncreekwd.org



Attn: New electronic submittals (except TA and Wetland Applications) should be sent though our new online application at the following link: <u>Online Application</u>. You will be instructed on how to submit any additional materials that may be requested by District staff. If submittal instructions are not followed, <u>it will not be</u> <u>considered a submittal</u>. This is in an effort to ensure submittals are not missed and are processed in a timely manner.

From: Diane Sylvester <diane.sylvester@hotmail.com> Sent: Thursday, June 8, 2023 2:20 PM To: Abbey Lee <alee@cooncreekwd.org> Subject: RE: Toby's Trails (P23-028) Review Timeline Extension

Abbey, Were you able to give Tom Collins Ham Lake city engineer any assurance that our project, Toby's Tails will be recommended for approval to Board on June 26th? Anything you can do to expedite this process is appreciated. Thank You Diane Sylvester

Sent from Mail for Windows

From: Abbey Lee Sent: Tuesday, May 30, 2023 3:43 PM To: Diane Sylvester; Erin Edison; Adam Ginkel Cc: Tom Collins Subject: RE: Toby's Trails (P23-028) Review Timeline Extension

Hi Diane,

Yes, we have everything we need to continue with review. The extension was because the deadline for this project was going to be before we could present the project in front of our Board of Managers for approval. It is scheduled for approval at the June 26 Board Meeting.

I have copied the City on this email.

Thanks,

Abbey Lee

Watershed Development Manager

763.258.7928 direct 763.755.0975 office

13632 Van Buren NE Ham Lake, MN 55304 www.cooncreekwd.org



Attn: New electronic submittals (except TA and Wetland Applications) should be sent though our new online application at the following link: <u>Online Application</u>. You will be instructed on how to submit any additional materials that may be requested by District staff. If submittal instructions are not followed, <u>it will not be</u> <u>considered a submittal</u>. This is in an effort to ensure submittals are not missed and are processed in a timely manner.

From: Diane Sylvester <<u>diane.sylvester@hotmail.com</u>> Sent: Tuesday, May 30, 2023 7:53 AM To: Erin Edison <<u>eedison@cooncreekwd.org</u>>; Adam Ginkel <<u>adam@plowe.com</u>> Cc: Abbey Lee <<u>alee@cooncreekwd.org</u>> Subject: RE: Toby's Trails (P23-028) Review Timeline Extension

Hi Erin,

Thank you for the email on Friday. To confirm, you have everything needed to proceed with your review? Do we have a preliminary approval during this review period so we can move forward with the City of Ham Lake?

Thanks, Diane

Sent from Mail for Windows

From: Erin Edison Sent: Friday, May 26, 2023 2:13 PM To: diane.sylvester@hotmail.com; Adam Ginkel Cc: Abbey Lee Subject: Toby's Trails (P23-028) Review Timeline Extension

Good afternoon,

In accordance with MN state statute 15.99 Subd. 3. (g), the Coon Creek Watershed District is extending our decision making period for the Toby's Trails project application (PAN P-23-028) an additional 60 days to allow additional time for staff to review resubmitted materials.

Please let me know if you have any questions.

Thank you,

Erin Edison, CMWPIT

Watershed Development Coordinator

763.392.8875 direct 763.334.0192 cell 763.755.0975 office 13632 Van Buren NE Ham Lake, MN 55304 www.cooncreekwd.org

Attn: New electronic submittals (except TA and Wetland Applications) should be sent though our new online application at the following link: <u>Online Application</u>. You will be instructed on how to submit any additional materials that may be requested by District staff. If submittal instructions are not followed, <u>it will not be considered a submittal</u>. This is in an effort to ensure submittals are not missed and are processed in a timely manner.

DEPARTMENT OF NATURAL RESOURCES

Minnesota Department of Natural Resources Division of Ecological & Water Resources 500 Lafayette Road, Box 25 St. Paul, MN 55155-4025

April 17, 2023 Correspondence # MCE 2023-00012

> Wayne Jacobson Jacobson Environmental, PLLC

RE: Natural Heritage Review of the proposed Toby's Trails, T32N R23W Section 15; Anoka County

Dear Wayne Jacobson,

As requested, the <u>Minnesota Natural Heritage Information System</u> has been reviewed to determine if the proposed project has the potential to impact any rare species or other significant natural features. Based on the project details provided with the request, the following rare features may be impacted by the proposed project:

Ecologically Significant Areas

• The Minnesota Biological Survey considered the forested area on the west side of the proposed project for a Site of Biodiversity Significance. It was determined to be *Below* the minimum biodiversity threshold for statewide significance. This area, however, may have conservation value at the local level as habitat for native plants and animals, corridors for animal movements, buffers surrounding higher quality natural areas, or as areas with high potential for restoration of native habitat. As such, indirect impacts from surface runoff or the spread of invasive species should be considered during project design and implementation.

State-listed Species

 Blanding's turtles (*Emydoidea blandingii*), a state-listed threatened species, have been reported in the vicinity of the proposed project. Blanding's turtles use upland areas up to and over a mile distant from wetlands, waterbodies, and watercourses. Uplands are used for nesting, basking, periods of dormancy, and traveling between wetlands. Factors believed to contribute to the decline of this species include collisions with vehicles, wetland drainage and degradation, and the development of upland habitat. Any added fatality can be detrimental to populations of Blanding's turtles, as these turtles have a low reproduction rate that depends upon a high survival rate to maintain population levels.

For additional information, see the <u>Blanding's turtle fact sheet</u>, which describes the habitat use and life history of this species. The fact sheet also provides two lists of recommendations for avoiding and minimizing impacts to this rare turtle. **Refer to the first list of recommendations for your project.** If greater protection for turtles is desired, the second list of additional recommendations can also be implemented. The use of <u>erosion control</u> blanket shall be limited to 'bio-netting' or 'naturalnetting' types, and specifically not products containing plastic mesh netting or other plastic components. Also be aware that hydro-mulch products may contain small synthetic (plastic) fibers to aid in its matrix strength. These loose fibers could potentially resuspend and make their way into Public Waters. As such, please review mulch products and not allow any materials with synthetic (plastic) fiber additives in areas that drain to Public Waters.

The <u>Blanding's turtle flyer</u> should be given to all contractors working in the area. If Blanding's turtles are encountered on site, remember Minnesota's Endangered Species Statute (*Minnesota Statutes*, section 84.0895) and associated Rules (*Minnesota Rules*, part 6212.1800 to 6212.2300 and 6134) prohibit the take of threatened or endangered species without a permit. If turtles are in imminent danger, they must be moved by hand out of harm's way, otherwise they are to be left undisturbed. Report any sightings to the <u>DNR Nongame Specialist</u>, Erica Hoaglund at 651-259-5772 or <u>Erica.Hoaglund@state.mn.us</u>.

 Please visit the <u>DNR Rare Species Guide</u> for more information on the habitat use of these species and recommended measures to avoid or minimize impacts. For further assistance with these species, please contact the appropriate <u>DNR Regional Nongame Specialist</u> or <u>Regional Ecologist</u>.

Federally Protected Species

• To ensure compliance with federal law, conduct a federal regulatory review using the U.S. Fish and Wildlife Service's (USFWS) online Information for Planning and Consultation (IPaC) tool.

Environmental Review and Permitting

 Please include a copy of this letter and the MCE-generated Final Project Report in any state or local license or permit application. Please note that measures to avoid or minimize disturbance to the above rare features may be included as restrictions or conditions in any required permits or licenses.

The Natural Heritage Information System (NHIS), a collection of databases that contains information about Minnesota's rare natural features, is maintained by the Division of Ecological and Water Resources, Department of Natural Resources. The NHIS is continually updated as new information becomes available, and is the most complete source of data on Minnesota's rare or otherwise significant

species, native plant communities, and other natural features. However, the NHIS is not an exhaustive inventory and thus does not represent all of the occurrences of rare features within the state. Therefore, ecologically significant features for which we have no records may exist within the project area. If additional information becomes available regarding rare features in the vicinity of the project, further review may be necessary.

For environmental review purposes, the results of this Natural Heritage Review are valid for one year; the results are only valid for the project location and project description provided with the request. If project details change or the project has not occurred within one year, please resubmit the project for review within one year of initiating project activities.

The Natural Heritage Review does not constitute project approval by the Department of Natural Resources. Instead, it identifies issues regarding known occurrences of rare features and potential impacts to these rare features. Visit the <u>Natural Heritage Review website</u> for additional information regarding this process, survey guidance, and other related information. For information on the environmental review process or other natural resource concerns, you may contact your <u>DNR Regional Environmental Assessment Ecologist</u>.

Thank you for consulting us on this matter and for your interest in preserving Minnesota's rare natural resources.

Sincerely,

James Drake

James Drake Natural Heritage Review Specialist James.F.Drake@state.mn.us

Cc: Melissa Collins



Anoka County TRANSPORTATION DIVISION

Highway

Jennifer Bohr City of Ham Lake 15544 Central Ave NE Ham Lake, MN 55304

March 21, 2023

RE: Preliminary Plat - Toby's Trails

Dear Jennifer,

We have reviewed the Preliminary Plat for Toby's Trails to be located south of CR 60 (Constance Boulevard NE) and west of Naples Street NE within the City of Ham Lake, and I offer the following comments:

- The existing right of way along CR 60 is 60 feet south of centerline which should be adequate for future reconstruction purposes.
- As proposed, the plat will introduce two new access points onto CR 60, which would be allowed since access to a City Street is not feasible. The right of access should be dedicated to Anoka County along CR 60 with exception for the two proposed access points.
- Internal site grading shall not commence until the requested ACHD Engineering plan approvals are received and the applicable permits from ACHD and all other agencies with jurisdiction are issued. If there will be any utility relocation on CR 60, it will be required to be completed by the City/developer as a part of the ACHD Engineering Plan Review process.
- Please note that no plantings or private signs will be permitted within the county right of way and care must be exercised when locating private signs, building, structures, plantings, berms, etc. outside of the county right of way, so as not to create any new sight obstructions for this section of CR 60.

ACHD would like to work with local governments in promoting compatibility between land use and the county highway system. It should be recognized that residential land uses located adjacent to County highways often results in complaints about traffic noise. Existing and/or future traffic noise from CR 60 could exceed noise standards established by the Minnesota Pollution Control Agency (MPCA), the U.S. Department of Housing and Urban Development, and the U.S. Department of Transportation. Minnesota Rule 7030.0030 states that municipalities are responsible for taking all reasonable measures to prevent land use activities listed in the MPCA's Noise Area Classification (NAC) where establishment of the land use would result in violations of established noise standards. It is advised that the City and the Developer assess the noise situation for this development as it is proposed to be located directly adjacent to CR 60 and take the level of action deemed necessary to minimize the impact of any highway noise by incorporating the appropriate noise mitigation elements into the design and phasing of this plat as applicable. The ACHD Engineering Plan Review process will apply to this site. The following items should be submitted to Brandon Ulvenes, Engineer I, <u>Brandon.Ulvenes@co.anoka.mn.us</u> (checklist and payment information are available on our website: <u>https://www.anokacountymn.gov/4072/Development-Review</u>):

- Utility relocation plans
- Traffic Control plans
- Grading and erosion control plans
- Drainage calculations Note that the post-developed rate/volume of runoff must not exceed the pre-developed rate/volume of runoff for the 10-year critical design storm
- ACHD Design Requirements Checklist
- Engineering plan review fee (estimated at \$150.00)

Following completion of the ACHD Engineering Plan Review process, the contractor(s) who will be completing any work within the county right of way must begin the ACHD Permit process. One permit for Work within the County Right of Way (\$150.00) and two Access Permits (\$175.00 each) must be obtained prior to the commencement of any construction. License permit bonding, methods of construction, design details, work zone traffic control, restoration requirements and follow-up inspections are typical elements of the permitting process. Contact Sue Burgmeier via phone at 763.324.3176 or via email at HighwayPermits@co.anoka.mn.us for further information and to coordinate the ACHD Permit process.

Thank you for the opportunity to comment. Feel free to contact me if you have any questions regarding this review.

Sincerely,

Logan Keehr Traffic Engineering Technician

xc: CR 60/Plats+Developments/2023 Jerry Auge, Assistant County Engineer Jorge Bernal, Traffic Engineering Manager David Zieglmeier, County Surveyor Sean Thiel, Signals Manager Sue Burgmeler, Traffic Engineering Technician Brandon Ulvenes, Engineer I

Tom Collins

From: Sent: To: Cc: Subject: Logan Keehr <Logan.Keehr@co.anoka.mn.us> Wednesday, March 22, 2023 1:16 PM Tom Collins mdavich@egrud.com Toby's Trails

Hi Tom.

I talked with Matt about the right of access that we requested in our letter.

Our response letter is what we would prefer to see but we are not demanding them to dedicate the access to us.

I realize there is the possibility to divide Lot 1 further so dedicating the access to us could complicate that process.

Let me know if you have any questions.

Logan Keehr, E.I.T. Traffic Engineering Technician Anoka County Highway Department 1440 Bunker Lake Boulevard NW Andover, MN 55304 Direct: 763.324.3183 Logan.Keehr@co.anoka.mn.us

NOTICE: Unless restricted by law, email correspondence to and from Anoka County government offices may be public data subject to the Minnesota Data Practices Act and/or may be disclosed to third parties.

CITY OF HAM LAKE PLANNING COMMISSION REQUEST APPLICATION INSPECTION REPORT

MTG DATE: <u>June 26, 2023</u>

INSPECTION ISSUED TO: Jonathan Fisher
APPLICANT/CONTACT: HFN Properties, LLC/Jeff Stalberger
TELEPHONE NUMBER: 612-799-1471/stally68@msn.com
BUSINESS/PLAT NAME: <u>Hidden Forest East 4th Add</u>
ADDRESS/LOCATION OF INSPECTION: North/NW of 14743 Stutz St NE and North of 14678 Packard St NE
APPLICATION FOR: Preliminary Plat & Rezoning
RECOMMENDATION:
DATE:

PLANNING COMMISSIONER SIGNATURE:

and the second se
ANTER

REQUEST

PLANNING

CITY OF HAM LAKE

15544 Central Avenue NE

Ham Lake, MN 55304

Phone (763) 434-9555 Fax (763) 235-1697

•) 434-9555 Fax (763) 235-1697
Date of Application	Date of Receipt
	Receipt #
Meeting Appearance Dates:	
Planning Commission	³ City Council
Please check request(s):	
Metes & Bounds Conveyance	Commercial Building Permit
	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 alter application also requires a Public Hearing. S	
Development/Business Name: HFN Propu	ties LLC
Address/Location of property: EAST OF LEX	ngton - Hidden Forest EAST 4 400
Legal Description of property:	· · · · · · · · · · · · · · · · · · ·
Legal Description of property: 24-32-23-44-0001, 25-32-23-12-000 PIN # <u>25-32-23-11-0002 +0008</u> Current Z	coning \overline{R} -A Proposed Zoning \overline{R} -/
Notes: 22 Single family resident	al lots and 3 out lots
Applicant's Name: JEFFREY K. STALE	BERGER
Business Name: HEN Roputics LLC	V
Address 19404- WARD LK. Dr.	NAT
City Andoru	State Mr. Zip Code 55314
Phone Cell Phone	Fax
Email address STALLY 68 @ 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	DATE 2-8-7023
- FOR STAFF US	E ONLY -
	/

ACTION BY: Planning Commission _____ 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 26, 2023 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 of portions of land from R-A (Rural Single Family Residential) to R-1 (Single Family Residential) of the development of Hidden Forest East 4th Addition (22 single family residential lots and 3 out lots) located in Sections 24 and 25, parcels of certain land situated in the City of Ham Lake, Anoka County, Minnesota and which are described as follows to wit:

OUTLOT A, HIDDEN FOREST EAST THIRD ADDITION, Anoka County, Minnesota. AND

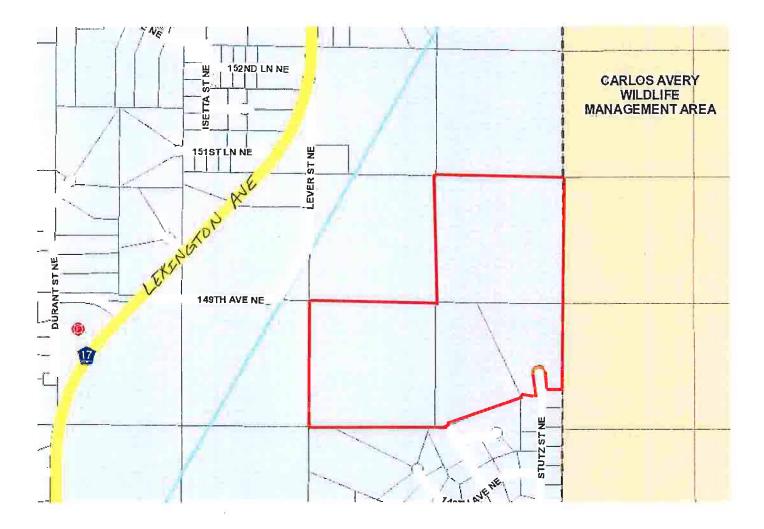
Tracts A and B, REGISTERED LAND SURVEY NO. 290, Anoka County, Minnesota. AND

The Southeast Quarter of the Southeast Quarter of Section 24, Township 32, Range 23, Anoka County, Minnesota.

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

DATED: June 16, 2023

Jennifer Bohr Zoning & Building Clerk City of Ham Lake



Hidden Forest East 4th Addition





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

Memorandum

Date:	June 22, 2023
То:	Planning Commissioners
From:	Tom Collins, City Engineer TPC
Subject:	Hidden Forest East 4 th Addition

Introduction:

The proposed 22 lot residential development is located on 112.96 acres, which includes parcels 24-32-23-44-0001, 25-32-23-11-0002, 25-32-23-11-0008 (Outlot A - Hidden Forest East 3rd Addition) and 25-32-23-12-0002. The parcels are currently a mixed zoning of Rural Single Family Residential (R-A) and Single Family Residential (R-1) and the proposed zoning is all Single Family Residential. The mixed zoning is a result of that portion of the attached RLS 290 outside of the plat of Hidden Forest East Third Addition being rezoned to R-1 because it was included in the legal description provided by the surveyor on the Certificate of Title when the Third Addition was platted. A 400-scale aerial photo, 400 scale half-section maps and a 600 scale zoning map are attached.

Discussion:

The Title Sheet, Preliminary Plat, Livability Plan, Livability Chart and Floodplain Exhibit received April 11th and the Grading, Erosion Control and Tree Protection Plan, Title Sheet, Notes & Legend, Plan Profile, Pond Outlets, Intersection and C-D-S Details, Details, SWPPP and Stormwater Drainage Report received May 16th address prior review comments. Outlots A, B and C will need to be conveyed to adjacent properties.

Per correspondence with Public Works Superintendent John Witkowski, it is recommended that parkland dedication fees be collected rather than the dedication of parkland or trail easement. This development will have access to the 27.12-acre park within the Hidden Forest East Park Addition thru the streets of Hidden Forest East 2nd and 3rd Additions to the south.

An Encroachment Agreement will be required due to the Lot 10, Block 1 septic crossing the drainage and utility easement. FEMA Letter of Map Amendments are required for Lots 1, 2, 3, 5, 6 and 7 of Block 1, and Lots 2 and Lot 3 of Block 3.

The Soil Boring Test Report confirms that there is adequate area for a primary and secondary septic system for all three lots. The attached April 10th Tradewell septic certification certifies that the lots will support two standard septic systems in accordance with Minnesota Rules 7080.

A rare species survey was required with the DNR Natural Heritage Review because of the potential for the proposed project to negatively impact state-listed threatened or endangered species. The rare species survey found the presence of threatened vascular plants of black huckleberry. The project impacts eight non-fruiting black huckleberry stems and avoids 43 non-

fruiting huckleberry stems. Per the attached June 13th email, the Developer has agreed to allow the DNR access to salvage and relocate the eight black huckleberry plants at least two weeks before grading impacts and has agreed to pay \$40,000 for the management of the existing black huckleberry population. The DNR is drafting a Permit. In addition, 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.

The preliminary plat was granted contingent approval at the April 26th Coon Creek Watershed District (CCWD) Board of Managers meeting, per the attached Notice of Permit Application Status. In addition to paying the \$20,450 performance escrow, the Developer needs to provide proof of the NPDES/MPCA Construction Stormwater permit, submit verification of the Wetland Bank Credit Withdrawal and submit the DNR Takings Permit prior to the CCWD Permit issuance. Construction cannot commence until the CCWD Permit is issued.

The Stutz Street temporary cul-de-sac right-of-way that was built with Hidden Forest East 3rd Addition that is proposed to be vacated is included in the yard are for Lot 1, Block 2. This will require that the vacation be completed and recorded before the plat is recorded.

Recommendations:

It is recommended that the Preliminary Plat of Hidden Forest East 4th Addition be recommended for approval to the City Council.

REGISTERED LAND SURVEY NO. <u>290</u>

I, Jason E. Rud, hereby certify that, in accordance with the provisions of Minnesota Statutes, Section 508.47, I have surveyed the following described property situated in the County of Anoka, State of Minnesota:

The Northeast Quarter except the South Half, Section 25, Township 32, Range 23.

I hereby certify that this Registered Land Survey was prepared by me or under my direct supervision; that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota and that this Registered Land Survey is a correct representation of said parcel of land.

Dated this 9th day of July , 20 21.

Jason E. Rud, Licensed Land Surveyor Minnesota License No. 41578

CITY COUNCIL, CITY OF HAM LAKE, MINNESOTA We do hereby certify that on the building age of the City Council of the City of Ham Lake, Minnesota, has approved this Registered Land Survey.

hobig Mm 2. 12000

ANOKA COUNTY SURVEYOR

Pursuant to Minnesota Statutes, Section 389.09, Subd. 1, this Registered Land Survey has been reviewed and approved this 22^{nd} day of $20 ly \dots$, 202l.

Dal M. Zielmeier

David M. Ziegimeier, Anoka County Surveyor

COUNTY AUDITOR/TREASURER

Pursuant to Minnesota Statutes, Section 508.47, Subd. 4, taxes payable in the year $20\underline{M}$ on the land hereinbefore described have been paid. Also, pursuant to Minnesota Statutes, Section 272.12, there are no delinquent taxes and transfer entered this \underline{M} day of \underline{M} .

LeBanc Pamela S. Property Tax Admi

By Llanne War Deputy

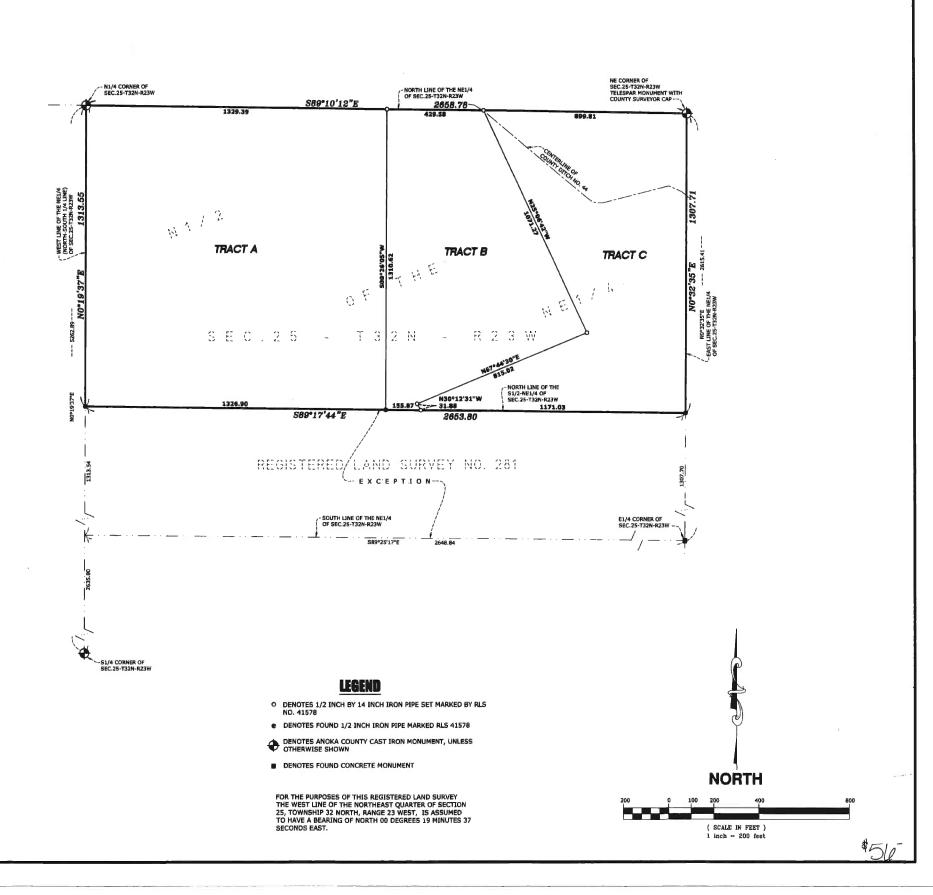
COUNTY RECORDER/REGISTRAR OF TITLES COUNTY OF ANOKA, STATE OF MINNESOTA

I hereby certify that this REGISTERED LAND SURVEY NO. 29D was filed in the office of the County Recorder/Registrar of Titles for public record on this 2 day of ______,20 22, at 12:11/0'clock P.M. and was duly recorded as Document Number 540855.001.

Pamela J. LeBlanc

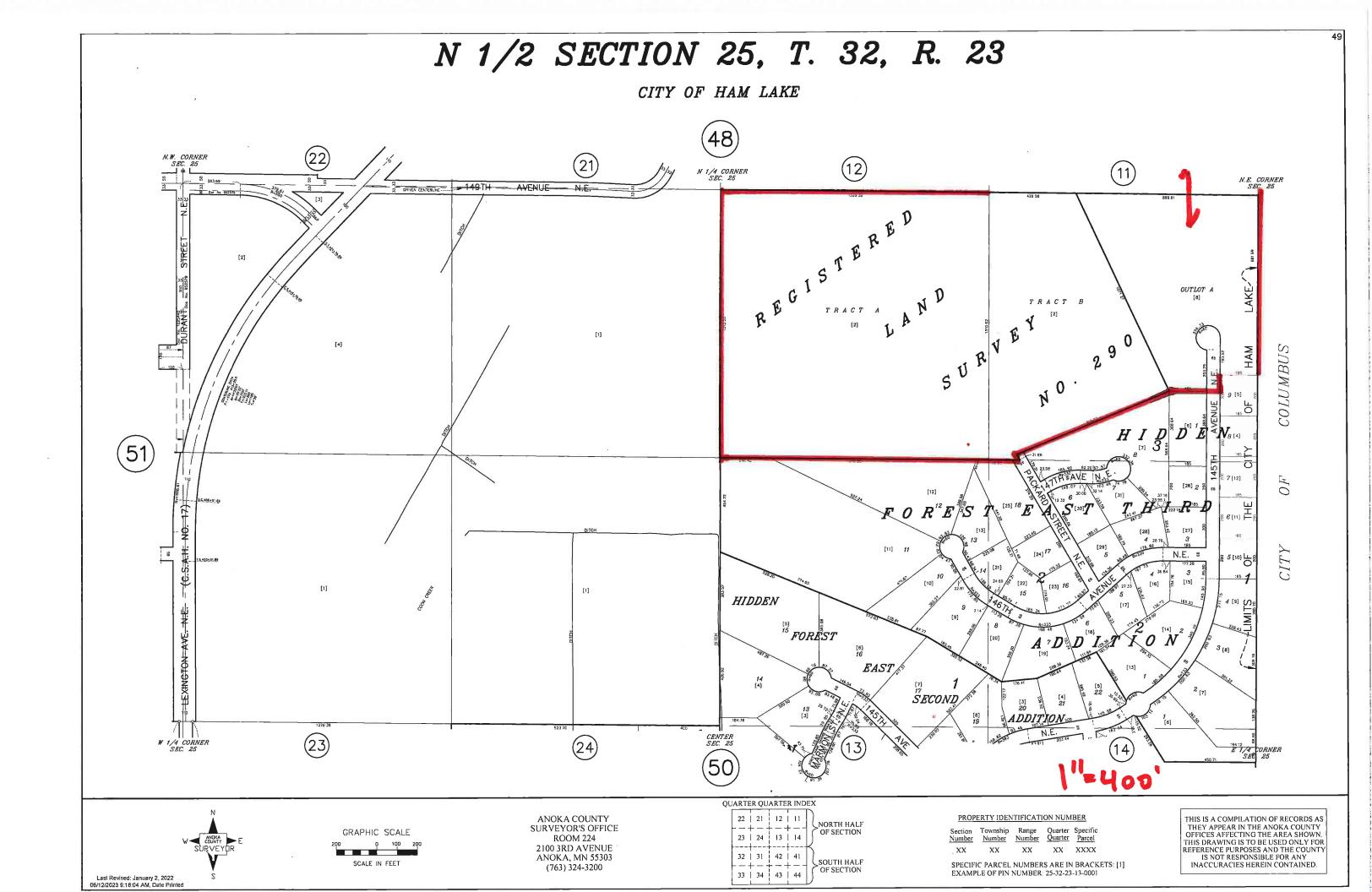
County Recorder/Registrar of Titles By Lance Watter, Deputy

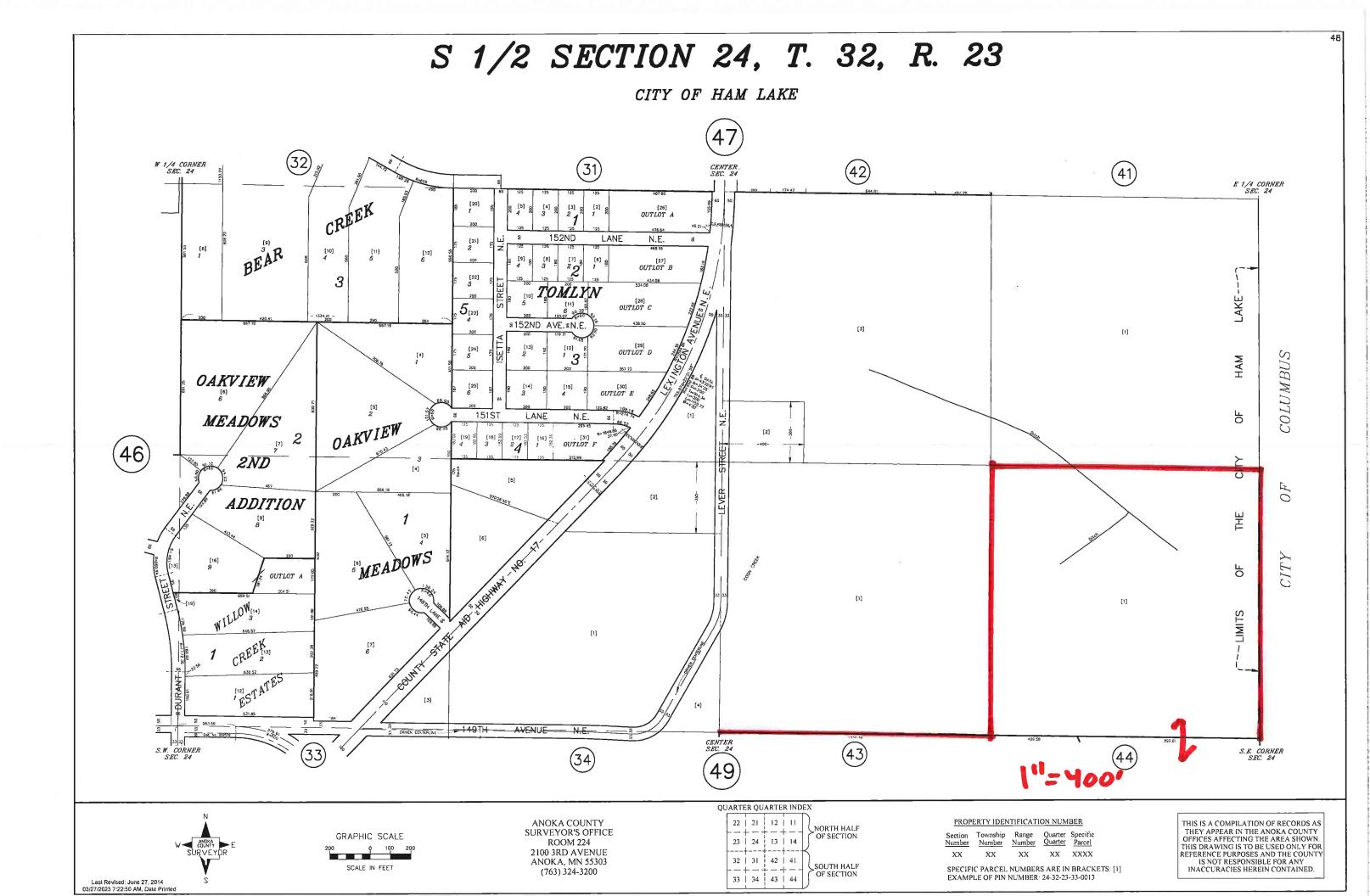


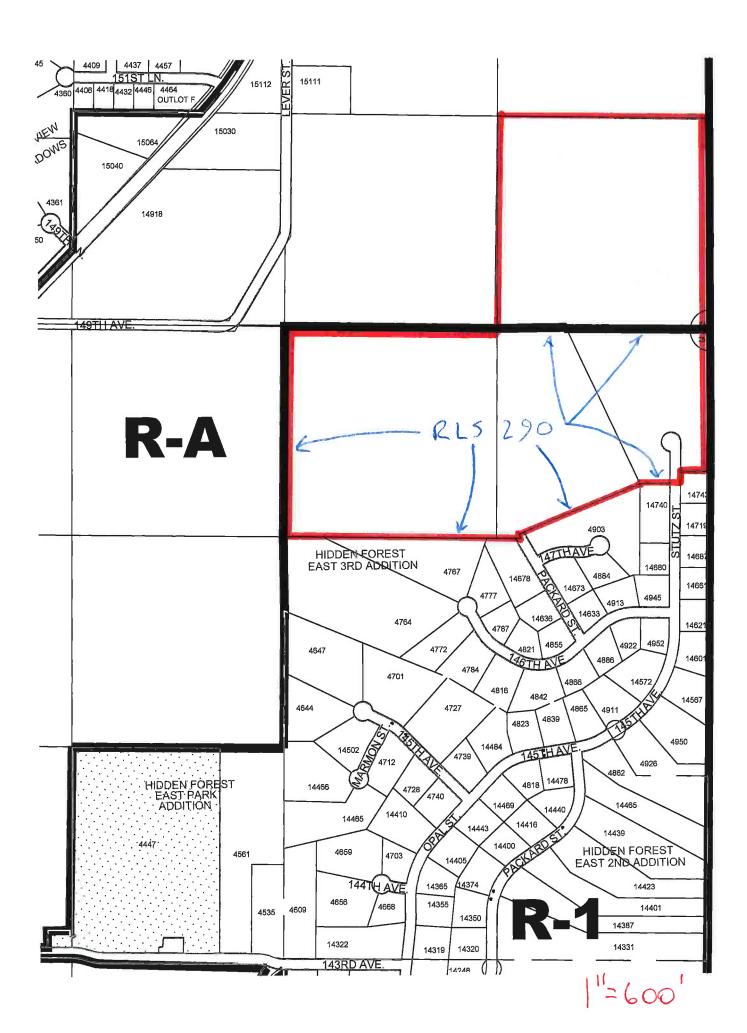


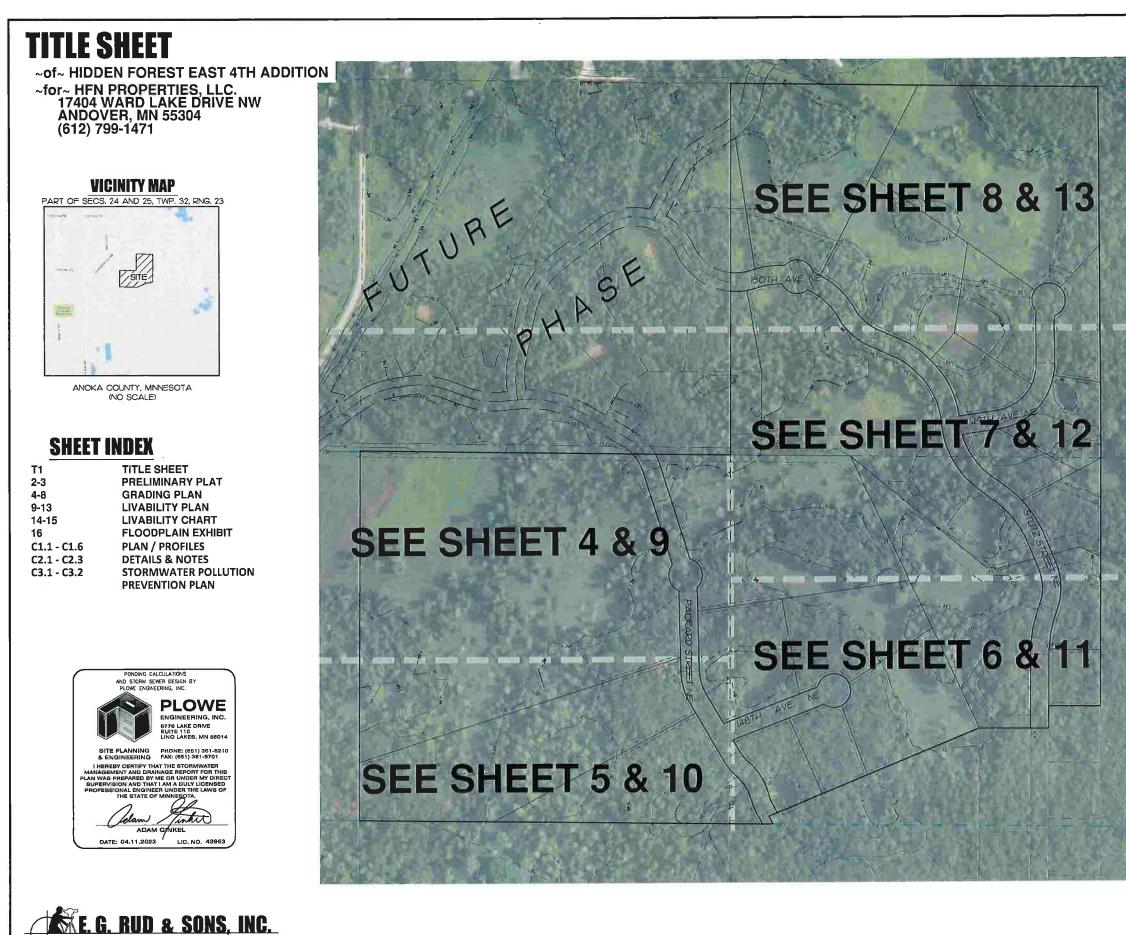
CITY OF HAM LAKE COUNTY OF ANOKA SEC. 25, T. 32, R. 23



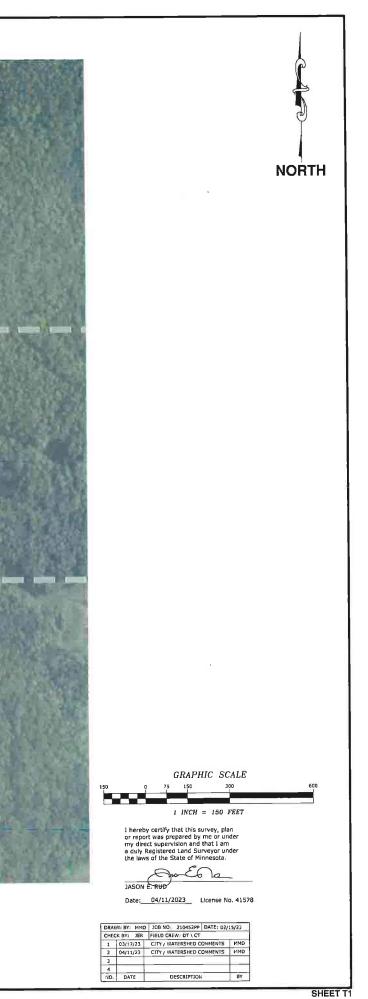


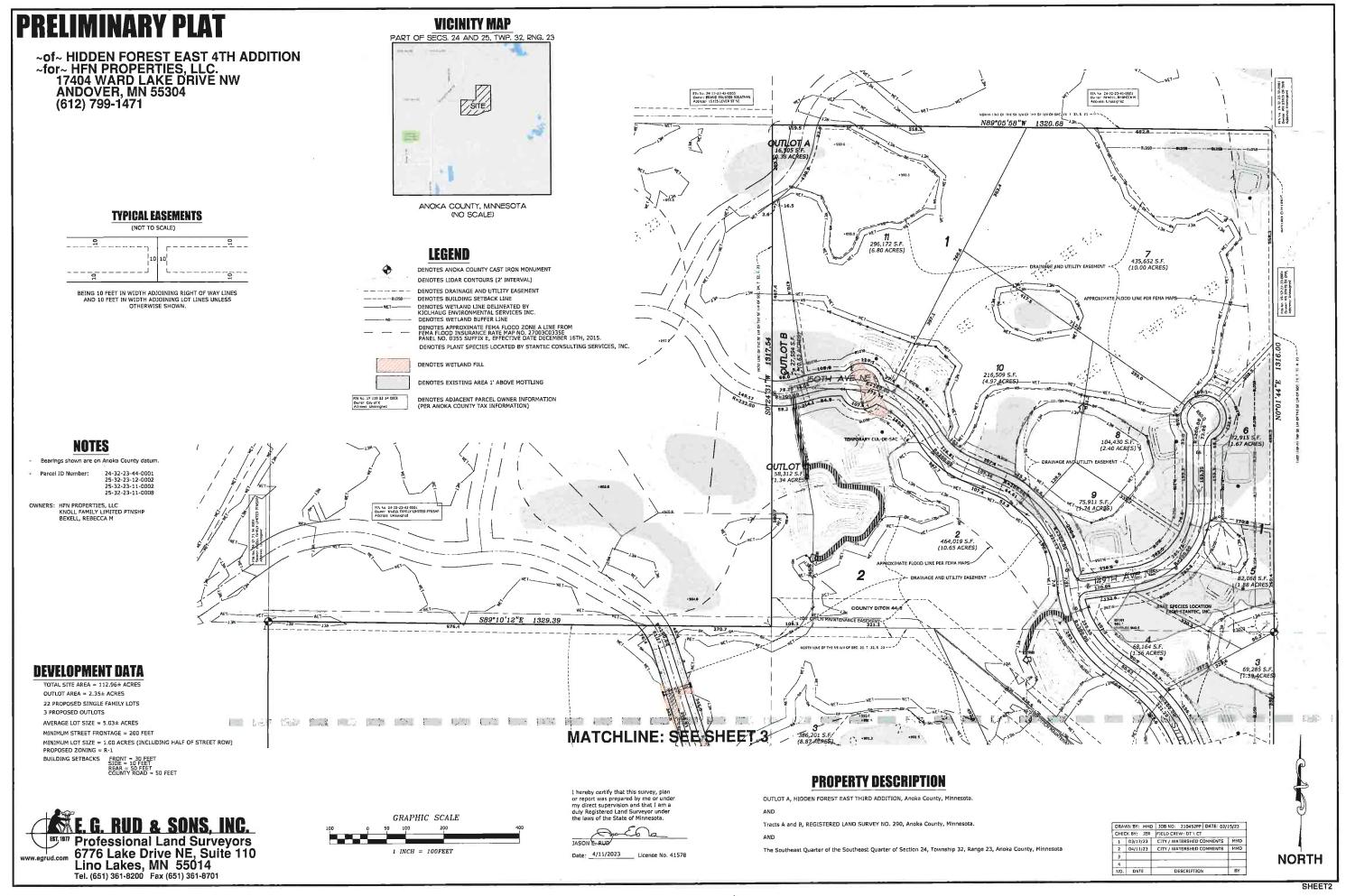


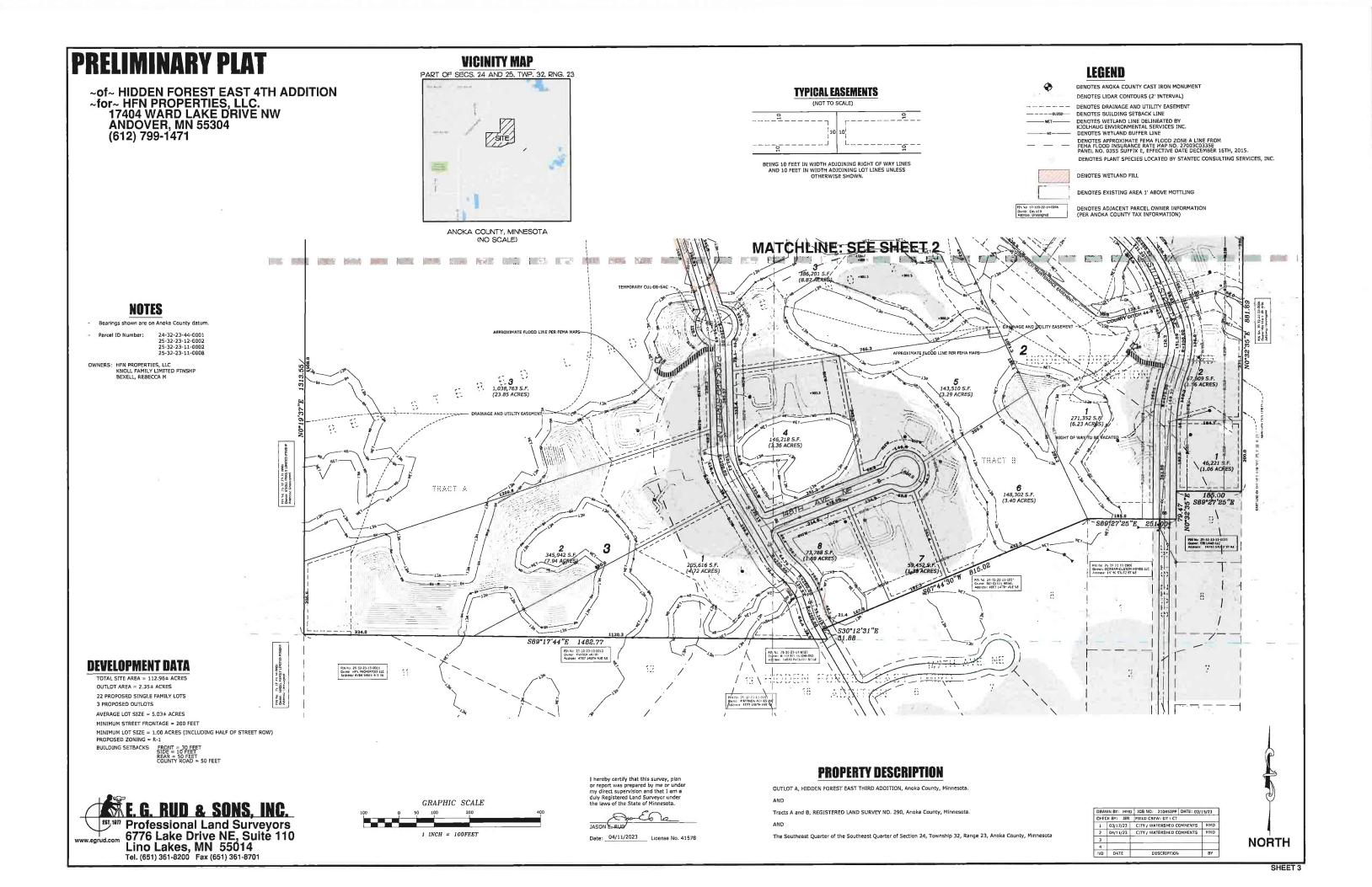


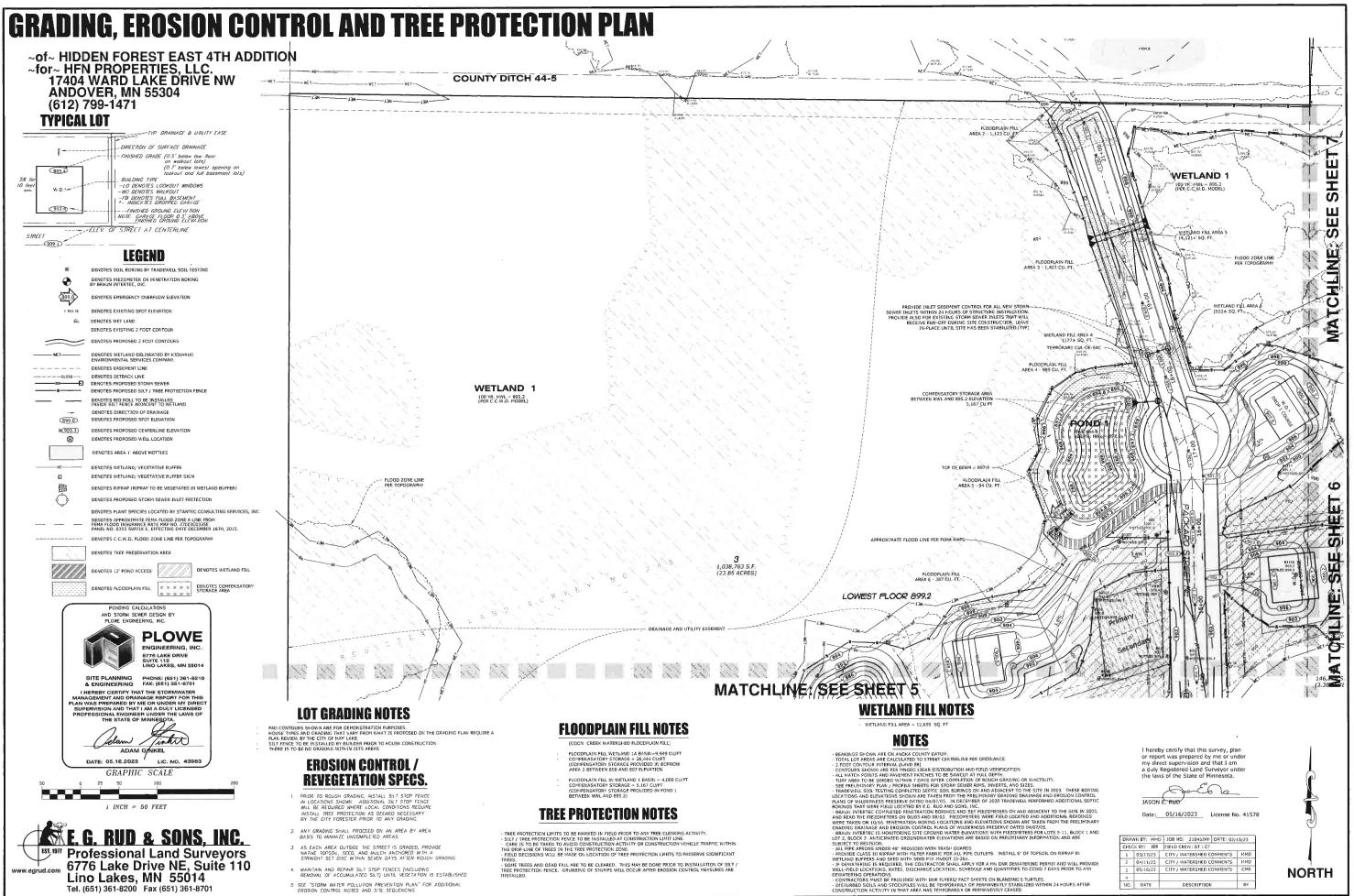


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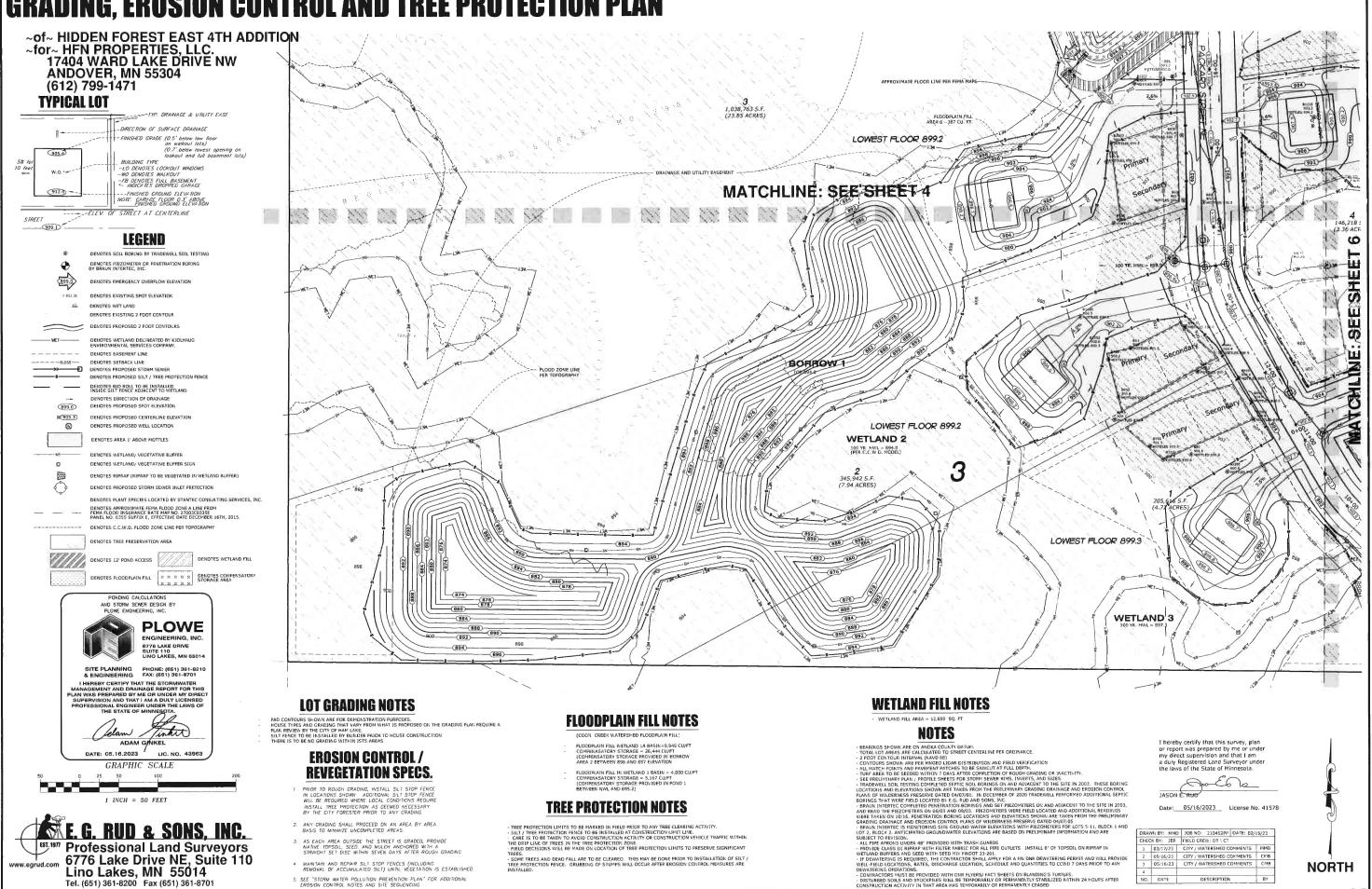




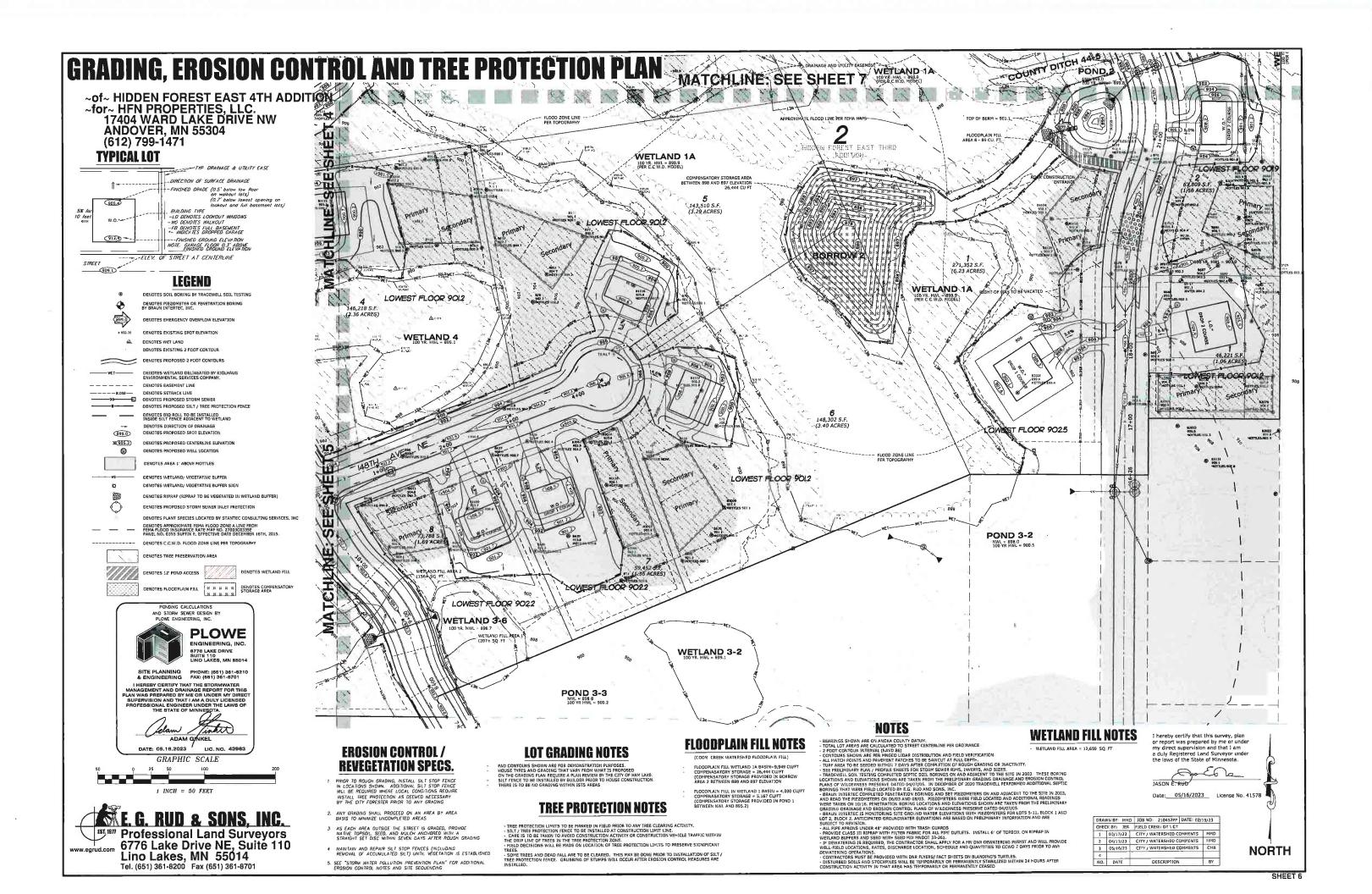


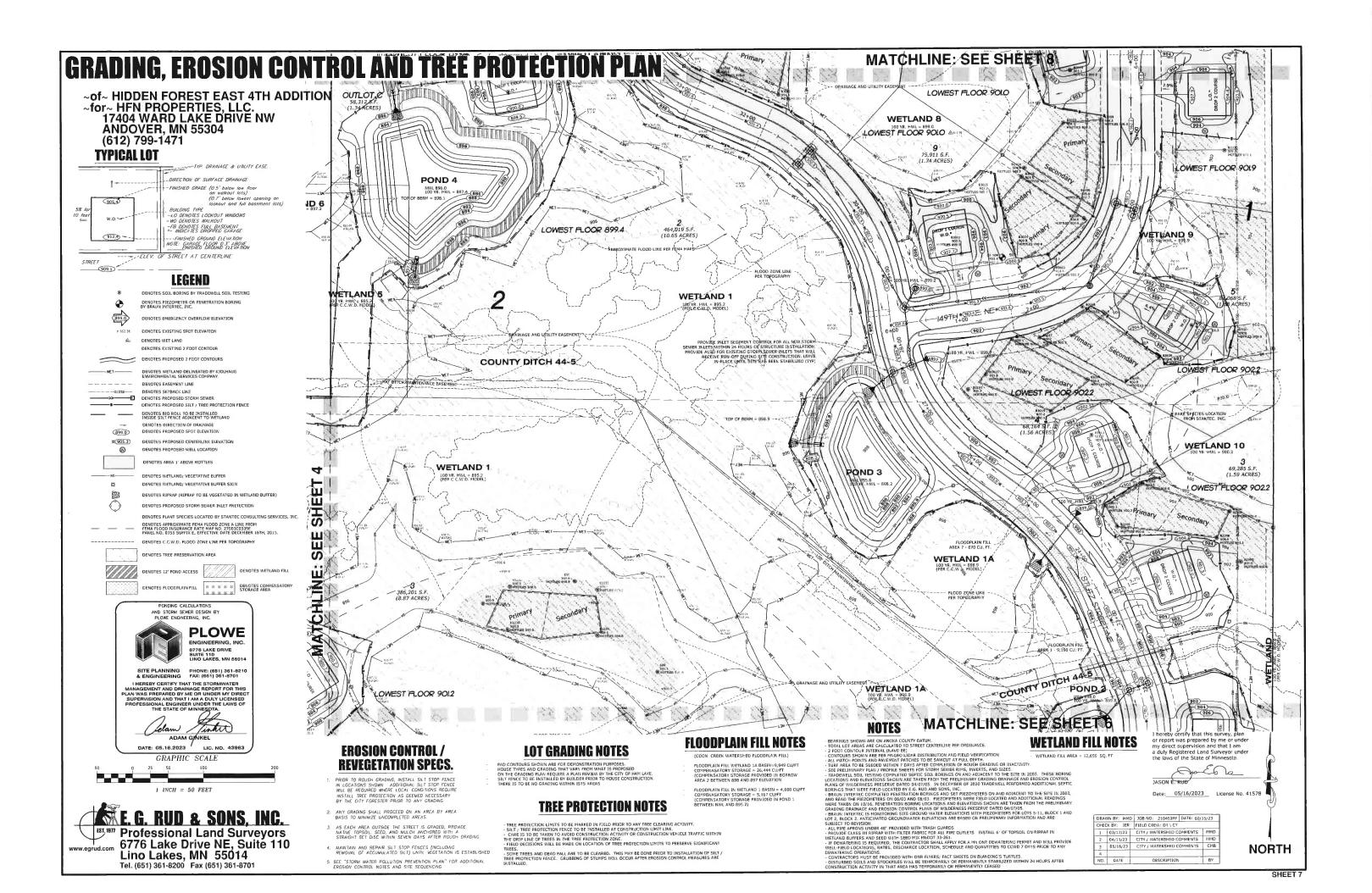
SHEET 4

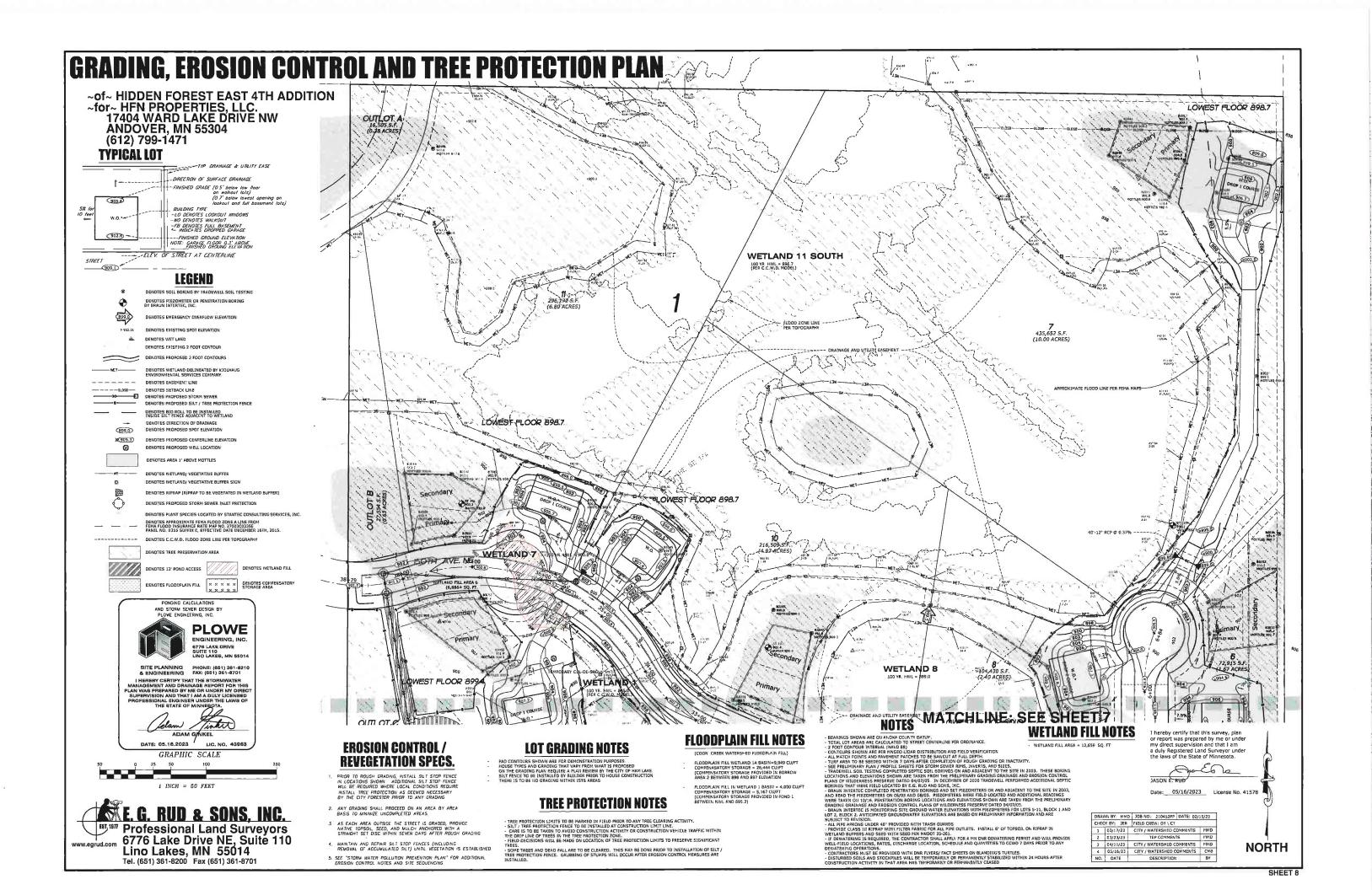
GRADING, EROSION CONTROL AND TREE PROTECTION PLAN

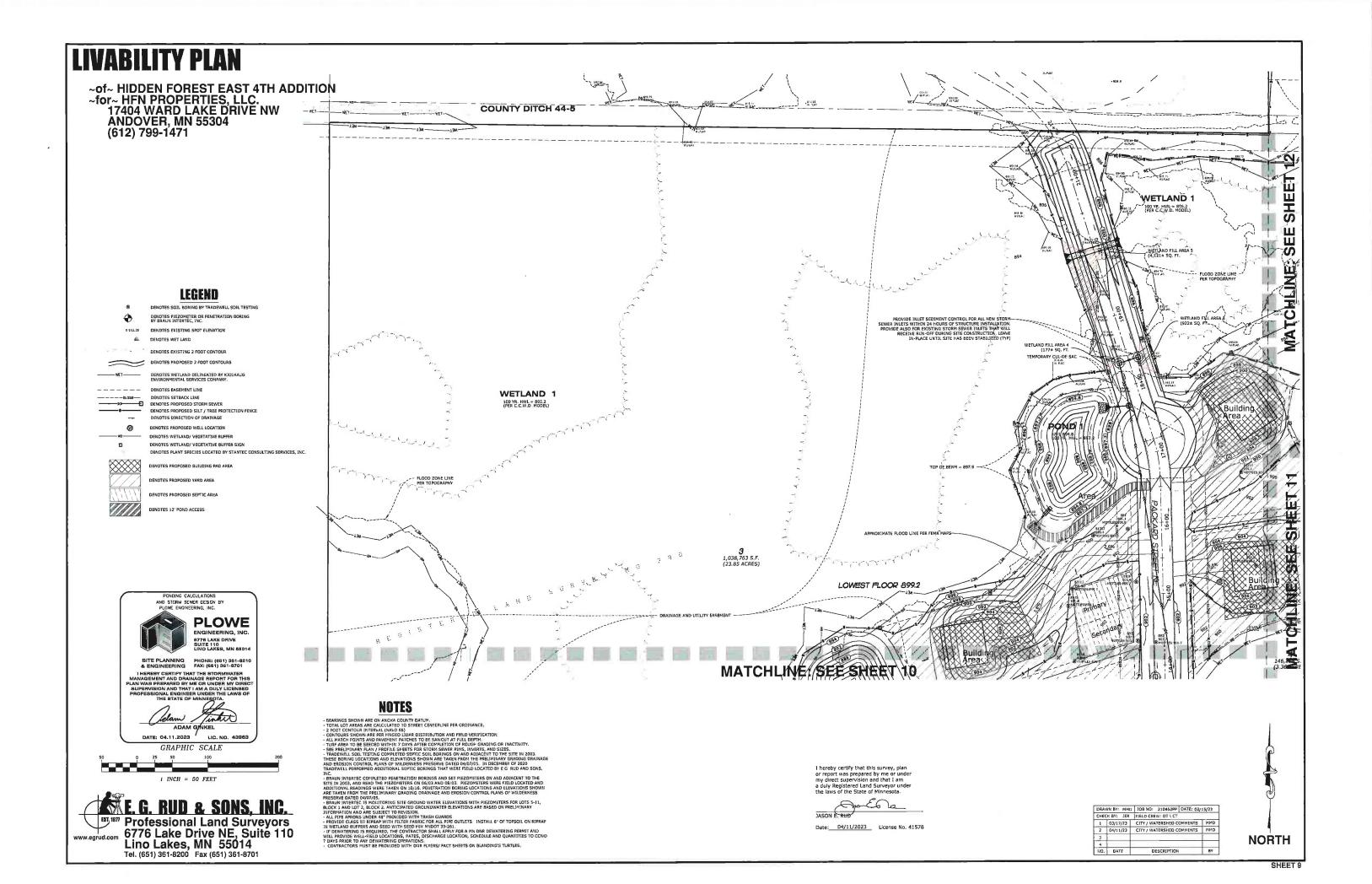


SHEET 5

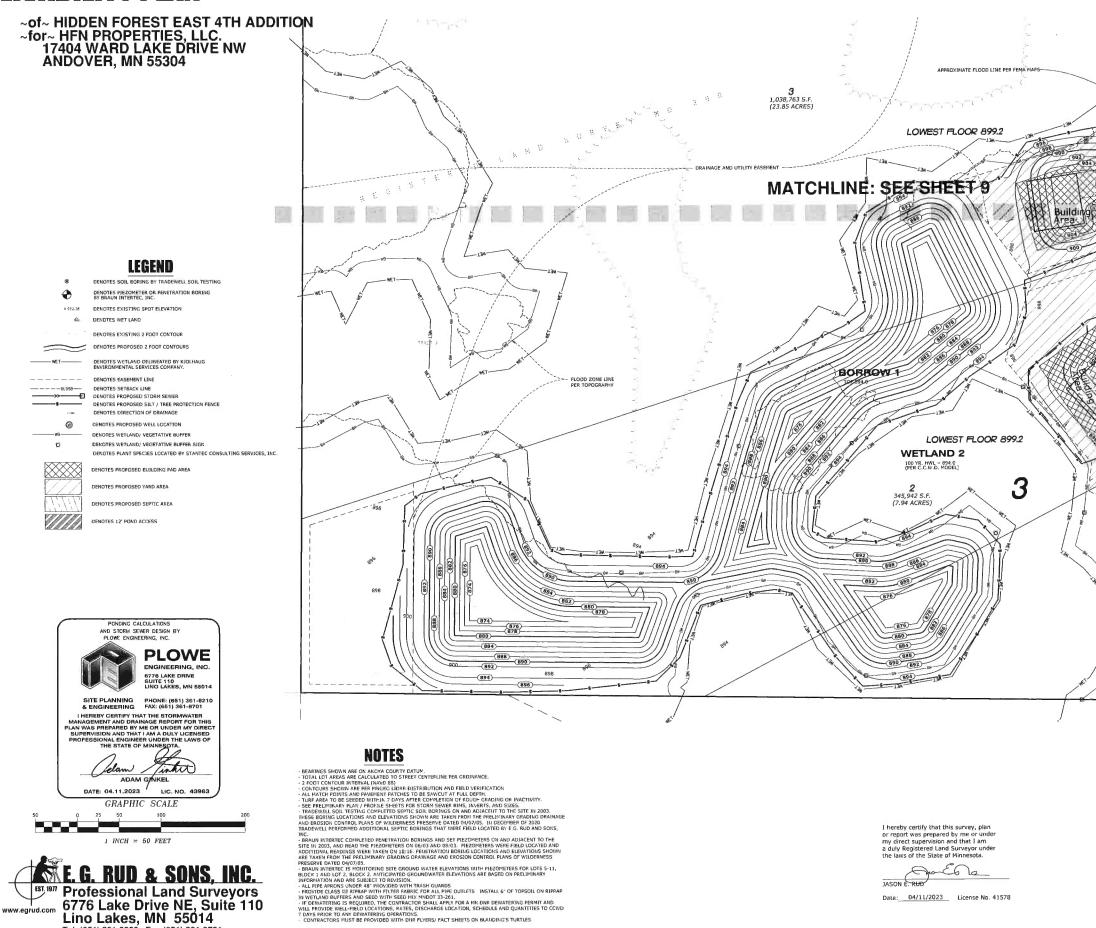






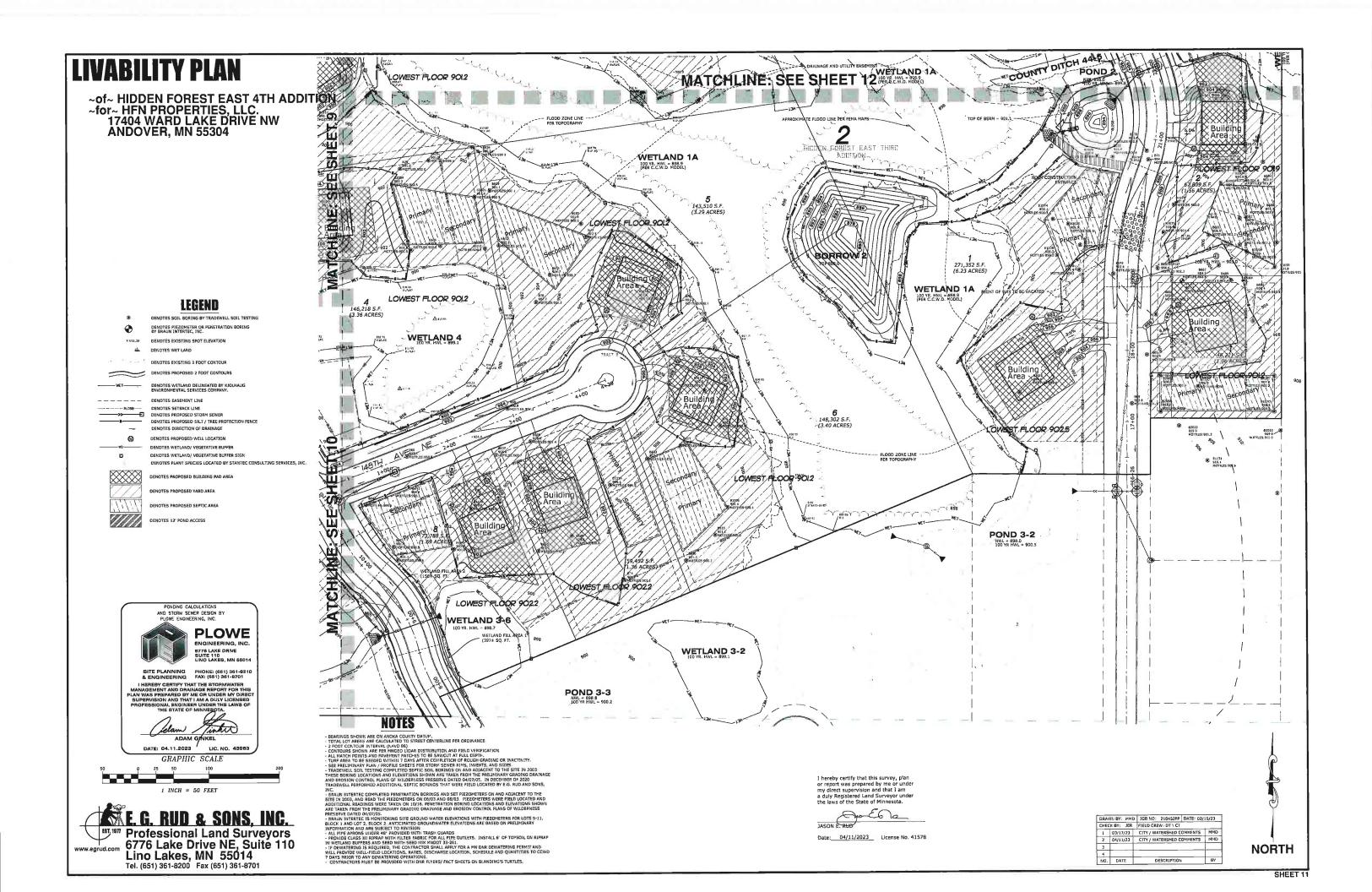


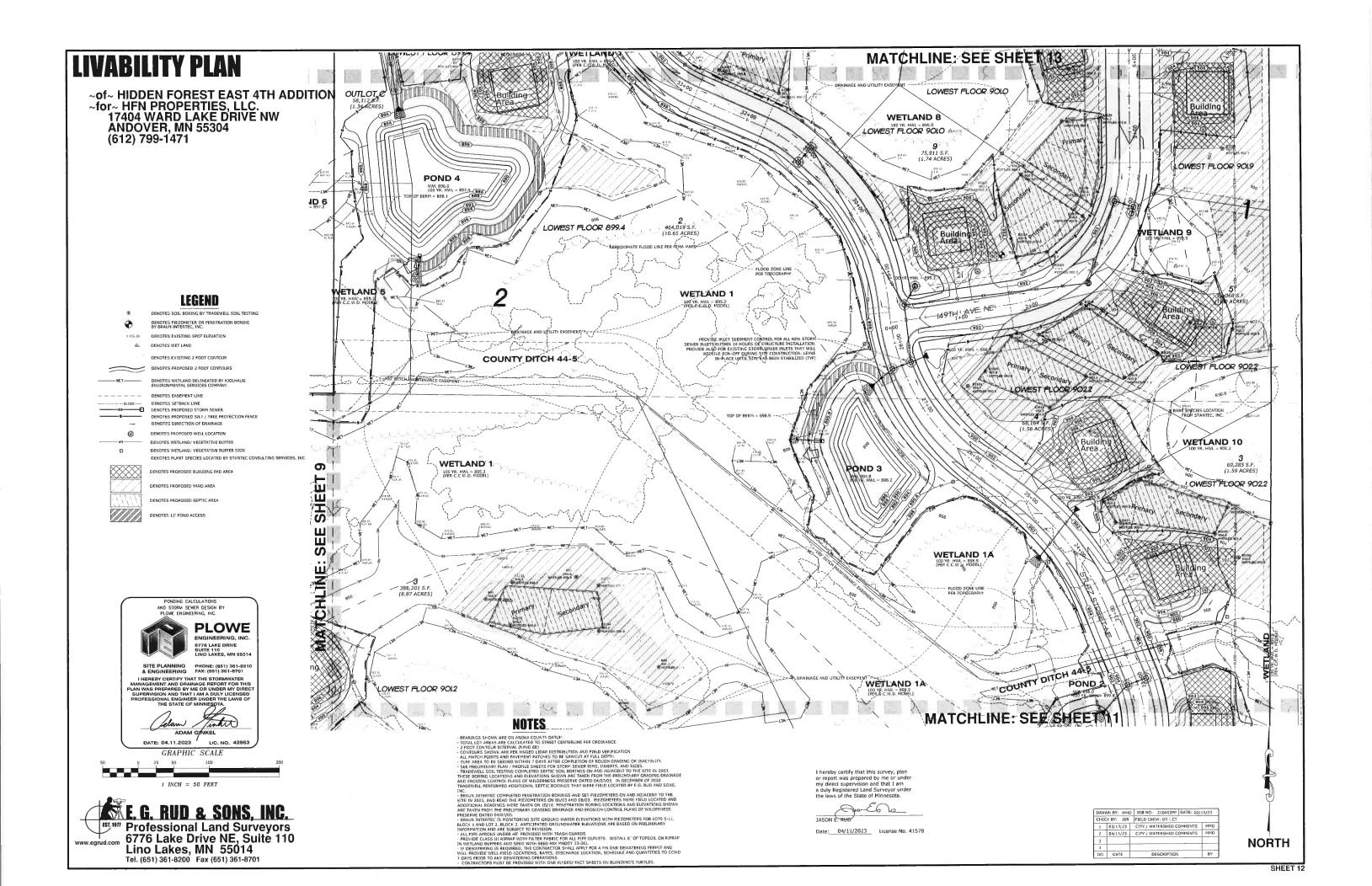
LIVABILITY PLAN

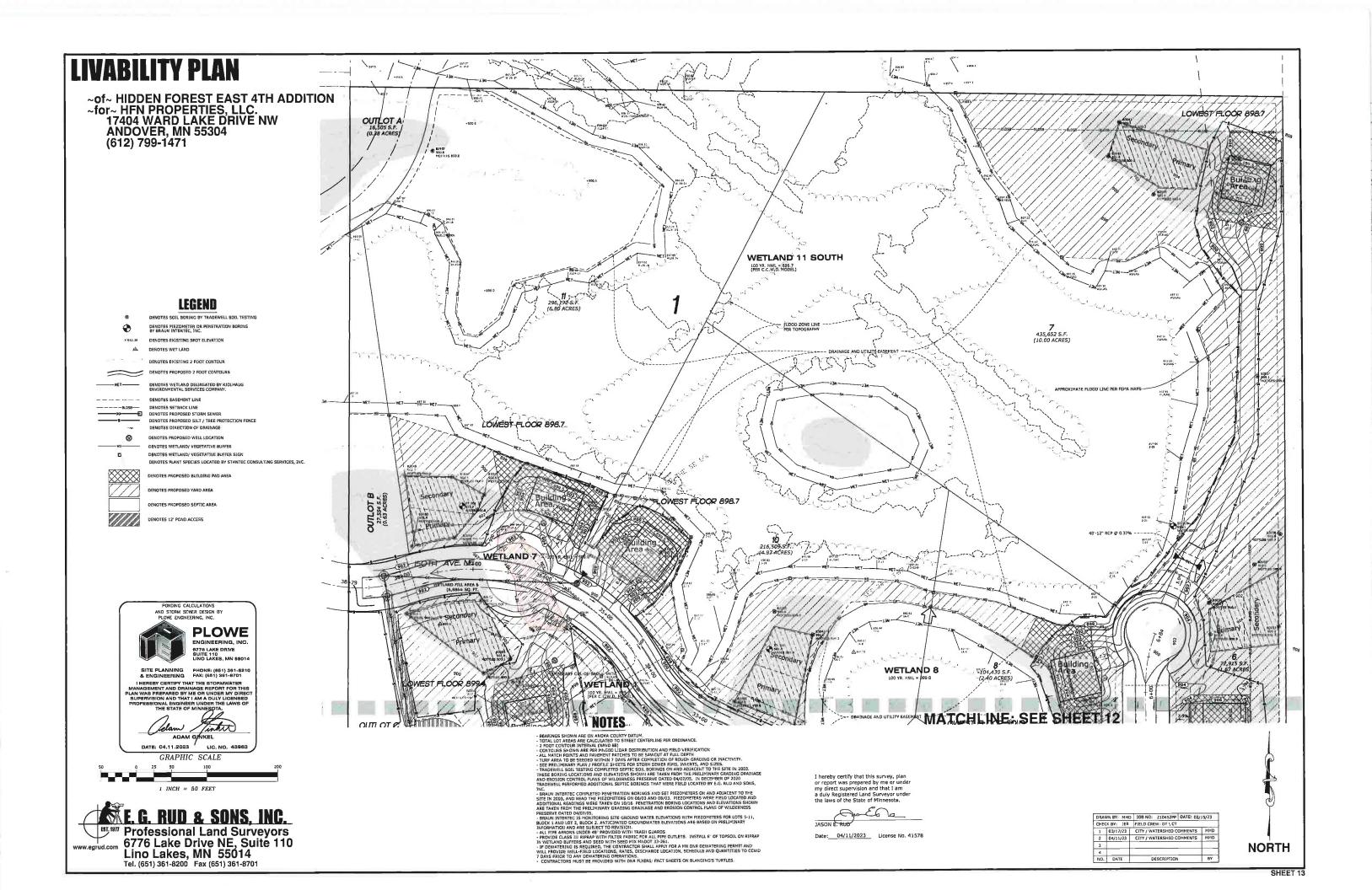


Tel. (651) 361-8200 Fax (651) 361-8701









LIVABILITY CHART

~of~ HIDDEN FOREST EAST 4TH ADDITION ~for~ HFN PROPERTIES, LLC. **17404 WARD LAKE DRIVE NW**

ANDOVER, MN 55304 (612) 799-1471

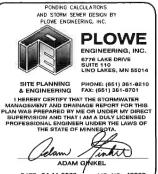
Lwability Stancards All residential lots shall contain at least 29,500 square feet of land which lies above the 100 year flood contour. Of this 29,500 square feet, the following additional requirements must be present. A ISTS Area Each lot must contain at least 7,500 square feet of contiguous area which is reserved for both the ISTS originally constructed and a future ISTS. The ISTS Area read on be contiguous to the Eligible building Area or the Yard Area, but the entire ISTS area must exist at an elevation at least one foot above unsitable Solis, and must contain Undisturbed Solis or solis which meet the requirements of Rule 7080 of the Minnesota Pollution Control Agency for ISTS construction standards. The ISTS Area may be integular in shape, provided they do not encroach into areas reserved by easement or otherwise for roadway, drainage or utility purposes, and provides that all of the area an be reasonably used for ISTS construction without the need for variances. Encode and solution of the set of the set

C. Yarc Area Each lot shall contain at least 12,000 contiguous square feet which: Lies above the 100 year flood contour, and
 Lies at least one foot above solis unsuitable for the intended usage of the Yard area, and

(a) Use at least one cours above some unsuitable for the indenade usage of (b) is configurations to the Eigible Bioling Area for a distance of a distance of the least for porcent of the lineal permeter of the Eligible Building Area. Yard Areas may encroach hot or the dedicated easement area which less at a distance of ten feet from the permeter of the lot, and may encroach into areas reserved by easement or otherwise for other public utility purposes, but may not encroach into any other area resorted by dedication or otherwise for road or drainage purposes, any may wettered. Yard Areas may be increating may be used to the top the locations where the Yard Area is contiguous to the Eligible Building Area, twinch locations the Yard Area is a logical extension or the generally reatingular or avoid 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

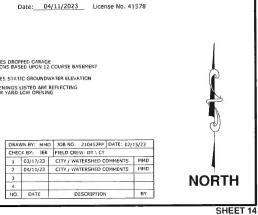
Low Roo Elevations) for without ceipins, the low floor elevation shall be at least one foot above the 100 yeer flood cortour, but, rotwithstancing the 100 yeer flood cortour, not less than or foot above unsuitable soils, as ceitermined by the City's engineer.) for other designs, the low floor elevation shall be at least one foot above the 100 year flood contour, but, notwithstanding the 100 year flood contour, not less than one foot above unsuitable soils, as getermined by the City's engineer.



DATE: 04.11.2023 / LIC. NO. 43963



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DUTLOT C		58,312											-				-



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.

JASON E. RUD

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

LIVABILITY CHART

~of~ HIDDEN FOREST EAST 4TH ADDITION ~for~ HFN PROPERTIES, LLC. 17404 WARD LAKE DRIVE NW ANDOVER, MN 55304 (612) 799-1471

Lwability Stancaros All residential lots shell 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 Acta are Each tot must contain at least 7,500 square fact of contiguous area , which is creatived for both the 1575 originally constructed and a future 5155. The 1575 Acta area of on be conjuguous to the filipble building Area on the Yard Area, but the entire 1575 Area must exist at an elevation at least one foot above forsailable Solis, and must contain Undisturbed Solis or solis which meet the requirements of Rule 7080 of the Hinnesota Poliution Control Agency for 15TS construction standards. The 1575 Area may be assement or otherwise for roadway, originage or outlify purposes, and provided that all of the area can be reasonably used for 15TS construction without the need for variances.

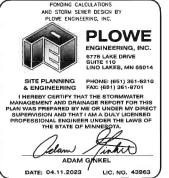
B. Eligible Building Area Each tot shall contain at least 10,000 square feet of contiguous land which less at an elevation at least four feet above Unsuitable Soils. The Eligible Building Area may not be irregular in shape, and should be generably rectangular to rovod, with no panhencles, narrow necks or panissUes. Eligible Building Areas may not her irregular in stape, and build be contained for a start of the increase that are not panhencles. The start of the star

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

C. Yarc Area Each lot shall contain at least 12,000 contiguous square feet which: i) Use at least to foot loop very floor contour, and ii) Use at least to foot above soils unsiltable 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 permitter of the Eligible Building Area. The percent of the lineal permitter of the Eligible Building Area. The percent of the lineal permitter of the Eligible Building Area. The percent of the lineal permitter of the Eligible Building Area. The percent of the lineal permitter of the Eligible Building Area. The area of the lineal permitter of the soil and may be the soil of the soil and the sestement or cherwise for other public utility purposes, but may not encroach into any other area reserved by dedication or otherwise for road or diarange purposes, any may not encroach into any press within the 100 year flood contour or into designated weblands. The Area may be conditioned on the Building Area. The Building Area, at which locations where the Yard Area is contiguous to the Eligible Building Area. Yard Area.

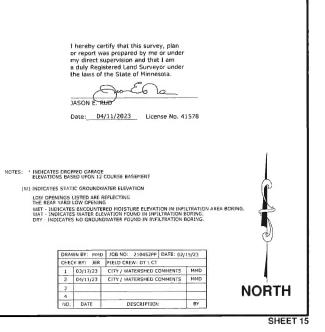
D. Building Pad Areas The entire Building Pad must lie within the Eligible Building Area, and shall meet the separation requirements for the Eligible Building Area. E. Low Ficor Elevations

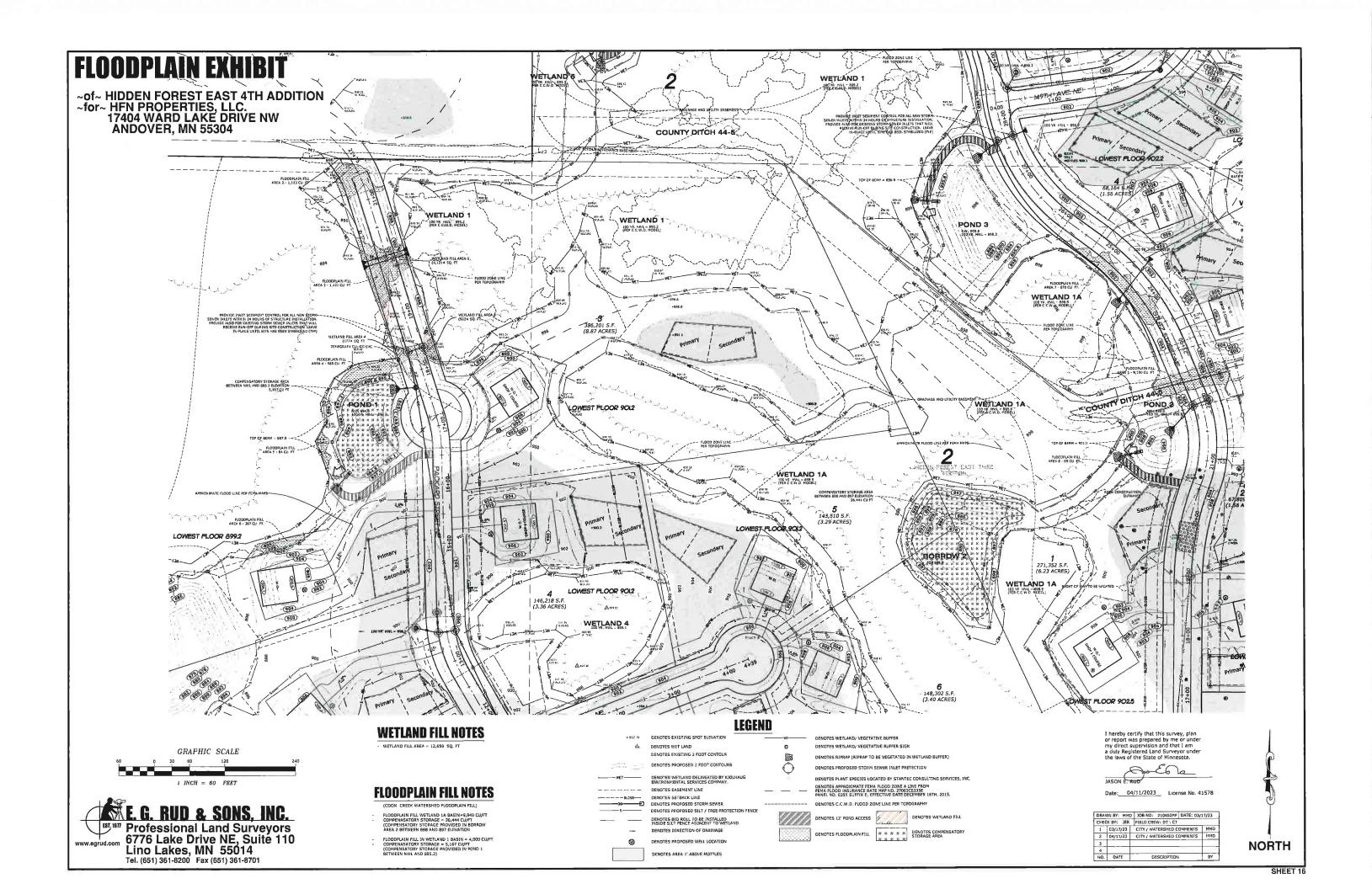
Can Hoor terevators) For valkour celogins, the low floor elevation shall be at least one foot above the 100 year flood contour, but, rotwithstancing the 100 year flood contour, not leas thar one foot above unsuitable solfs, as cettermined by the CN's engineer. U) For other designs, the flow floor elevation shall be at least one foot above the 100 year flood contour, but, notwithstanding the 100 year flood contour, not ale solt and one foot above unsuitable solfs, as cetermined by the CN's engineer.





											Highest Anlicipated	Low Floor					
Loi	B'cck	Total Lot Area	Yard Area	Septic Area (sq. ft)	Building Pad Area	Proposed Building Pad	Garage Floor	Proposed Low	Proposed Low	Lowest Floor	Groundwarer		Boring #		Mottles		Custo
		(sq. ft.)	(sq. fl.)	(sq. ft.)	(sq. fl.)	4 Above Unsuitable (so. fl.)	Elevation	Floor Elev.	Opening	Elevation	Elevation	Factor	_	Elevation	Elevation	Type	Grace
1	2	271,352	39,434	7,800	10,000	7,410	909.6	902.6	902.6	902.5	898 2	PER	70	903.4	900.9	W.O.*	NO
	~ .	271,002	00,101	11644								POND 3-2	71	904 1	901.6	DROP	
												HWL	677	902.4	900.4	1 COURSE	
													678	903.4	900.9		
											1		679	903.6	901.9		
									-	-			680	902.4	901.1		-
													1128	900.7	899.2		-
•													2025	902.9	900.6		-
																	\vdash
													2026	899.4	899.4 900.3		
													2074	902 1			
													2075	900.9	899.9		
2	2	464,019	40,511	7,829	10,105	4,307	907.5	900.5	900.5	899 4	894 4	PER	2107	901.9	900.6	W.O.*	NO
												POND 4	3052	902.7	900.7	DROP	_
_												HWL	3053	901.3	900.3	1 COURSE	
													3054	900.5	899.4		
													3055	901.8	900 1		
	i —												3056	897.2	897.2		
3	2	386,202	60,099	8,658	10,818	7,064	908.2	901.2	901.2	901.2	898 2	Anticipated	89	901.1	899.6	W.O.*	NC
3	2	350,202	00,055	0,000	10,010	1,001		001.0		-		Groundwater	90	900.6	898.9	DROP	
													91	900.9	899.4	1 COURSE	
													1114	899.1	898.3		
													1232	900.3	898.6		
												-	1233	900.5	899.3		
													1233	900.1	898.8		1
	-																
													1235	900.5	899.0	INC -	
4	2	146,218	31,785	8,176	10,451	4,571	908.2	901.2	901.2	901.2	898.2	Anlicipated	79	901.2	900.0	W.O.*	N
												Groundwater	80	901.9	900.9	DROP	
													88	902.8	901.3	1 COURSE	
	t									-			625	901.0	899.5		
		-			1							1	626	900.2	899.2		
							-						627	902.0	900.8		
					1							-	628	902.2	900 9		
													1115	903.2	899.2		
										İ			3004	902.2	900 5		
										1			3005	901.8	900.5		
					10.040	5.405	908.9	901.2	901.2	901.2	898.2	Anticipated	76	901.3	900.1	W.O.	NC
5	2	143,510	38,280	8,457	10,343	5,425	908.9	901.2	901.2	901.2	030.2	Groundwater	77	902.5	900.3	11.0.	1
								-	-			Groundwater		802.0			-
												_	78	902.2	901.2		
													629	901.1	900.1		
													630	901.4	900.1		-
													631	904.7	899.2		_
-													632	902.2	900.7		
	-												1116	903.8	901.0		
6	2	148,302	28,840	8,901	10,022	5,188	908.9	901.2	901.2	901,2	898.2	Anticipated	75	900.9	899.9	W.O.	NO
0	-	110,001	20,010									Groundwater	633	907.2	NONE		
										-		1	634	904.8	900 0		
													635	901.1	900.0		
			-				-			-			636	901.3	900.3		
						_				-			1117	902.3	901.0		1
							+		+		-		3006	901.4	900.1		-
						5 664	000.0	902.2	\$02.2	902.2	898.2	PER	74	901.8	900.6	WO'	N
7	2	59,452	33,529	8.117	10,340	5,801	909.2	902.2	902.2	902.2	090.2	POND 3-3	637	905.0	900.7	DROP	
															901.4	1 COURSE	-
							-					HWL	638	903.6		1 COONSI	
													639	903.8	900.8	-	-
													640	901.2	900.2		1
	1												1118	906.1	901.5		
8	2	73,788	19,431	8,230	10,442	6,039	909.2	902.2	902.2	902.2	898.2	PER	86	902.3	900.8	W.O.*	N
									1			POND 3-3	87	901.3	899.5	DROP	
	1											HWL.	641	901.1	899.6	1 COURSE	
	1	1	1		1		T				1		642	903.1	899.6		1-
			1										643	904.8	900.3		
	1	1				1				1	-		644	900.8	899.8		
		-						-					1119	903.7	898.8		
4	2	205.616	45 667	8.041	10.000	5,944	907.0	899.3	899.3	899.3	896.2	PER	85	901.6	899.8	WO	N
1	3	205,616	45,667	8,041	10,000	0,044		000.0	000.0			WETLAND3	943	900.7	899.4	1	1
	_				1		t		I		1	HWL	844	902.1	900.4	1	1
	-		1									TINC.	945	904.0	899.8	+	+
_	L	l					+		-	1		+	945	904.0	899.6	1	+
								+	+					900.4	898.7		1
	1											+	1205			-	+
	-								-		1		3000	901.4	899.6		+
							1		1			-	3001	903,9	899.9		+
							\$06.9	899.2	899.2	899.2	896 2	Anticipated	82	802.2	900.7	W.O.	ň
2	3	345.942	50,609	7,978	11,065	4,847											-
2	3	345.942	50,609	7,978	11,065	4,647						Groundwater	83	902.3	901.3	-	
2	3	345.942	50,609	7,978	11,065	4,847		-	-			Groundwater	84	903.2	900.5		
2	3	345.942	50,609	7,978	11,065	4,647						Grounowater					
2	3	345.942	50,609	7,978	11,065	4,647					_	Grounowater	84	903.2	900.5		
2	3	345.942	50,609	7,978	11,065	4,847						Groundwater	84 939 940	903.2 902.1 899.5	900.5 899.9 898.0		
2	3	345,942	50,609	7,978	11,065	4,847						Groundwater	84 939 940 941	903.2 902.1 899.5 900.4	900.5 899.9 898.0 898.9		
2	3	345.942	50,609	7,976	11,065	4,847						Groundwater	84 939 940 941 942	903.2 902.1 899.6 900.4 901.8	900.5 899.9 898.0 898.9 900.3		
2	3	345.942	50,609	7.978	11,065	4,647						Groundwater	84 939 940 941 942 943	903.2 902.1 899.5 900.4 901.8 900.7	900.5 899.9 898.0 898.9 900.3 899.4		
2	3	345.942	50,609	7,978	11,065	4,847						Grounowater	84 939 940 941 942 943 1206	903.2 902.1 899.5 900.4 901.8 900.7 900.3	900.5 899.9 898.0 898.9 900.3 899.4 899.5		
2	3												84 939 940 941 942 943 1206 3002	903.2 902.1 899.5 900.4 901.8 900.7 900.3 902.0	900.5 899.9 898.0 898.9 900.3 899.4 899.5 900.3		
2	3	345.942		8,217	11,065	4,847	906.9	899.2	899.2	899.2	896.2	Anticipated	84 939 940 941 942 943 1206 3002 81	903.2 902.1 899.5 900.4 901.8 900.7 900.3 902.0 901.3	900.5 899.9 898.0 898.9 900.3 899.4 899.5 900.3 899.0	wo	
								899.2	899.2	899.2	896.2	Anticipated Groundwater	84 939 940 941 942 943 1206 3002 81 935	903.2 902.1 899.6 900.4 901.8 900.7 900.3 902.0 901.3 900.8	900.5 899.9 898.0 898.9 900.3 899.4 899.5 900.3 899.0 899.0		N
								899.2	899.2	899.2	896.2	Anticipated Groundwater / POND 1	84 939 940 941 942 943 1206 3002 81 935 936	903.2 902.1 899.5 900.4 901.8 900.7 900.3 902.0 901.3 902.0 901.3 900.8	900.5 899.9 898.0 898.9 900.3 899.4 899.5 900.3 899.0 899.0 899.1 899.7		
								899.2	899.2	899.2	896.2	Anticipated Groundwater	84 939 940 941 942 943 1206 3002 81 935 936 937	903.2 902.1 899.6 900.4 901.8 900.7 900.3 900.3 902.0 901.3 900.8 901.4 902.9	900.5 899.9 898.0 858.9 900.3 899.4 899.5 900.3 899.0 899.0 899.0 899.1 899.7 901.2		
								899.2	899.2	899.2	896.2	Anticipated Groundwater / POND 1	84 939 940 941 942 943 1206 3002 81 935 936	903.2 902.1 899.5 900.4 901.8 900.7 900.3 902.0 901.3 902.0 901.3 900.8 901.4 902.9 900.1	900.5 899.9 898.0 858.9 900.3 859.4 859.5 900.3 899.0 899.0 899.1 859.1		
								899.2	899.2	899.2	896.2	Anticipated Groundwater / POND 1	84 939 940 941 942 943 1206 3002 81 935 936 937	903.2 902.1 899.6 900.4 901.8 900.7 900.3 900.3 902.0 901.3 900.8 901.4 902.9	900.5 899.9 898.0 858.9 900.3 899.4 899.5 900.3 899.0 899.0 899.0 899.1 899.7 901.2		





HIDDEN FOREST EAST FOURTH ADDITION TITLE SHEET, NOTES & LEGEND HAM LAKE, MINNESOTA

GENERAL NOTES

- THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF EXISTING UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS NECESSARY TO AVOID DAMAGE TO THESE UTILITIES. CALL "811" FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY

- 5.
- CALL "814" FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY EXCAVATIONS. THE CONTRACTOR SHALL FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPARIOR TO THE START OF INSTALLATIONS. INSTALLATIONS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS AND DETAIL PLATES. STORAGE OF MATERIALS OR EQUIPMENT SHALL NOT BE ALLOWED ON PUBLIC STREETS OR WITHIN PUBLIC RIGHT-OF-WAY. NOTIFY CITY AND COON CREEK WATERSHED DISTRICT (CCWD) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ALL ELECTRIC, TELEPHONE, AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.

STORM SEWER NOTES

1. FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING STORM SEWER AND NOTIFY ENGINEER OF ANY DISCREPANCIES 2,

- STORM SEWER AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY INSTALLATIONS. STORM SEWER SHALL BE: (a) REINFORCED CONCRETE PIPE (RCP) ANSI C76 WITH R-4 GASKETS. (B) HODE PIPE SHALL MEET THE REQUIREMENTS OF AASHTO WHAT DEFOUND AND CONNECTORING LIVE M294, TYPE S WITH WATERTIGHT CONNECTIONS. USE SAND/GRANULAR MATERIAL FOR BACKFILLING AND SAND/GRANULAR MATERIAL FOR BACKFILLING AND COMPACTION OF HDPE/PVC PIPE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM 2321. DO NOT BACKFILL CATCH BASINS UNTIL FABRIC WRAP IS INSPECTED BY CITY. TRASH GUARDS ARE REQUIRED FOR ALL FLARED-END SECTIONS LEFE TUAL WE'LN DIAMETER.

- LESS THAN 48" IN DIAMETER. PROVIDE CLASS III RIP-RAP W/ FILTER FABRIC AT ALL PIPE 5.
- OUTLETS. TIE LAST THREE SECTION OF CONCRETE PIPE, INCLUDING APRON, 6,
- THE LAST THREE SECTION OF CONCRETE PIPE, INCLUDING APRON, FOR CONCRETE PIPES LESS THAN 48" IN DUAMETER.
 STORM SEWER LENGTH SINCLUDE THE LAYING LENGTH OF THE FLARED-END SECTION, LAYING LENGTH OF FLARED-END SECTION TO BE DEDUCTEO FROM PAYMENT LENGTH OF PIPE.
 ARCH PIPE JOINTS MUST BE WRAPPED WITH FABRIC OR OTHER PROTECTION TO REVEYEN SEDIMENT FROM ENTREMONE PIPE.
 SEE SHEET C2.1 FOR STRUCTURE SCHEDULE.

CURB & BITUMINOUS NOTES

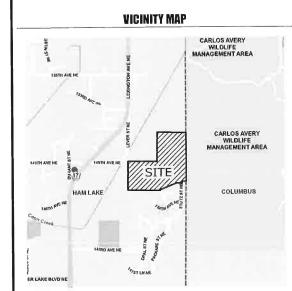
REMOVAL AND DISPOSAL OF EXISTING STREET MATERIALS AS

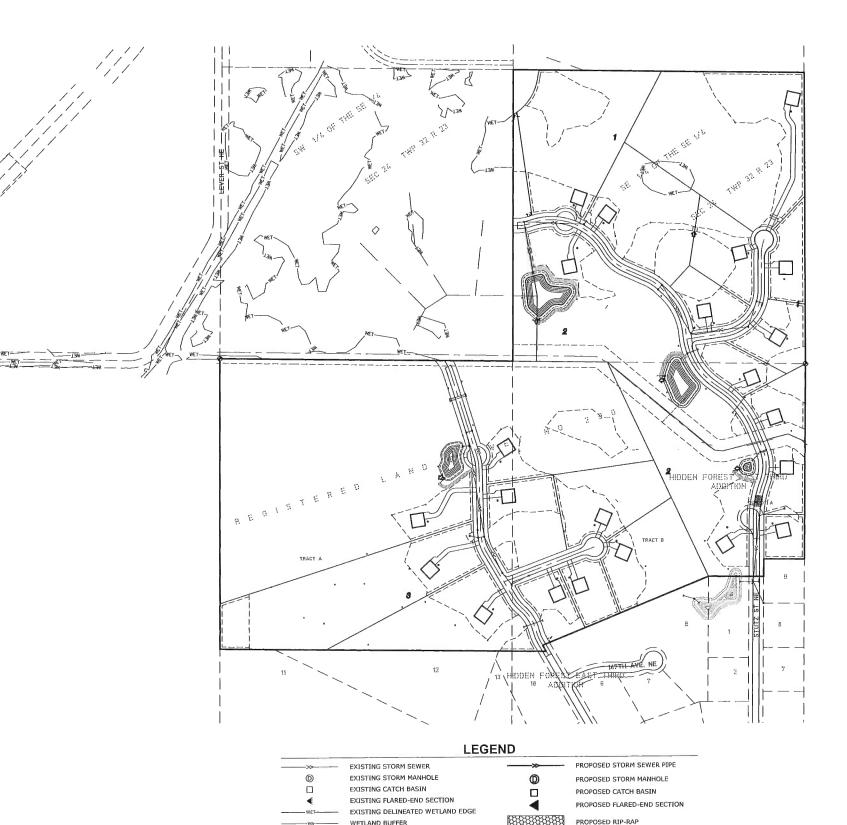
- REMIXED AND DISPOSAL OF EXISTING STREET MATEMALS AS REQUIRED FOR CONSTRUCTION IS CONSIDERED INCIDENTAL. ALL MATCH POINTS AND PAVEMENT PATCHES TO BE SAW-CUT AT FULL DEPTH. RESTORE DISTURBED STREET TO EXISTING OR BETTER SECTION. BACKFILLING OF CURB IS INCIDENTAL TO CURB INSTALLATION.

MISCELLANEOUS NOTES

SEPTIC AND WELL DESIGN BY OTHERS. SITE TOPOGRAPHY PROVIDED BY OTHERS 1.

AN MPCA NPDES CONSTRUCTION PERMIT IS REQUIRED PRIOR TO THE START OF CONSTRUCTION





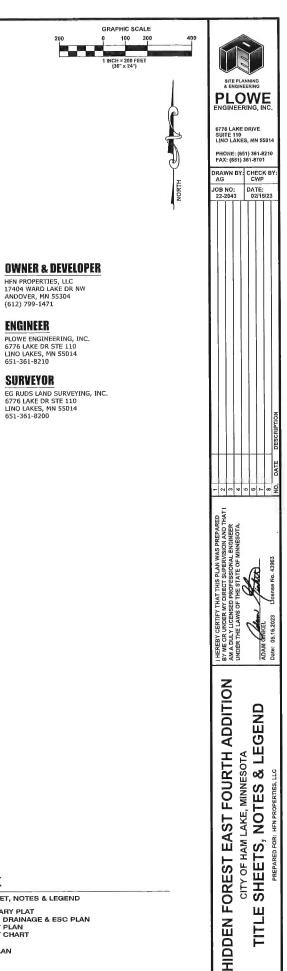
WETLAND BUFFER

13

WETLAND BUFFER SIGNAGE

PROPOSED SPOT ELEVATION (GUTTERLINE)

(899.50)

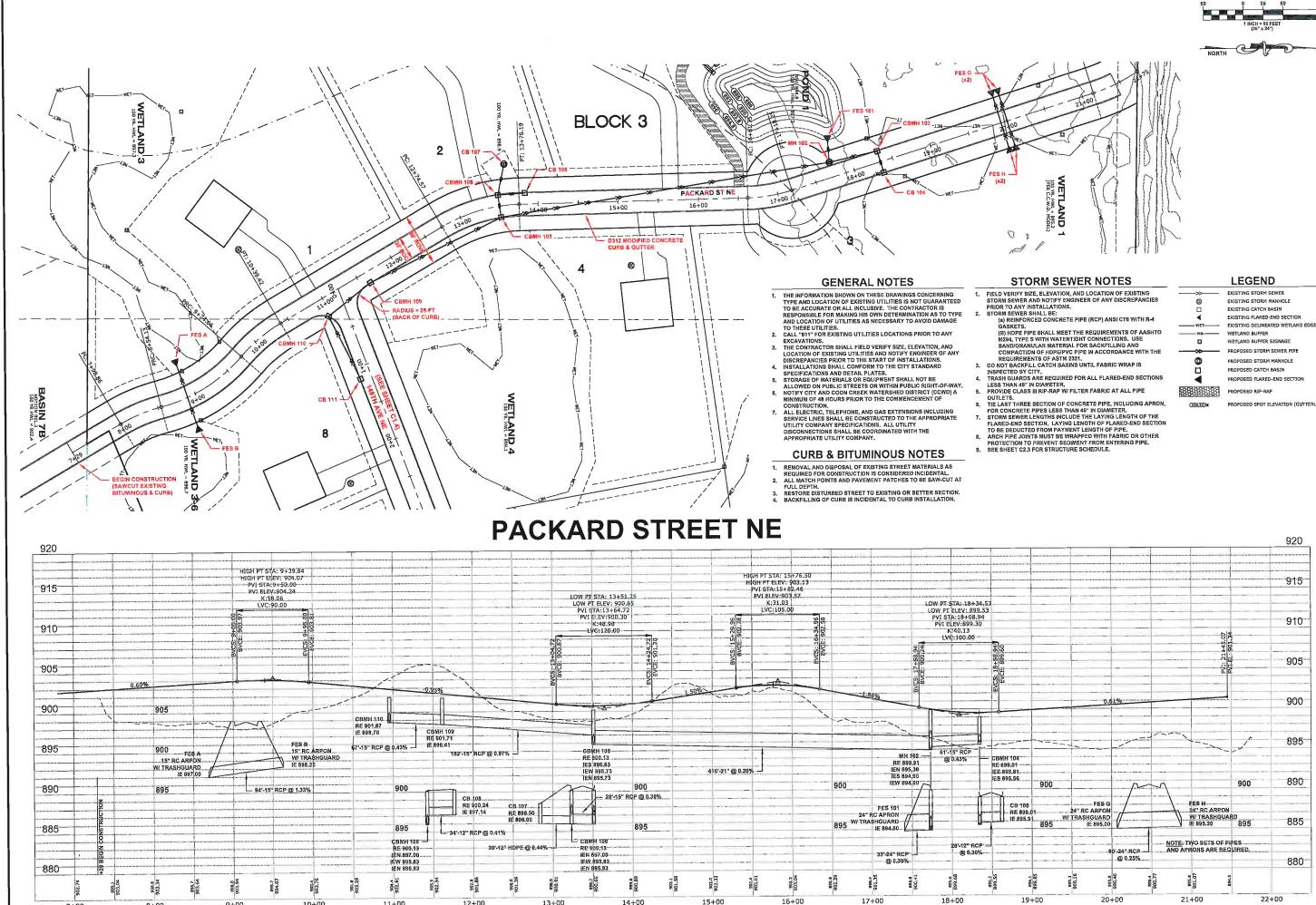


HEFT

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SHEET INDEX

Т1	TITLE SHEET, NOTES & LEGEND
SHEETS 1-3 SHEETS 4-8 SHEETS 9-13 SHEETS 13-14	PRELIMINARY PLAT GRADING, DRAINAGE & ESC PLAN LIVABILITY PLAN LIVABILITY CHART
C1.1 - C1.2	UTILITY PLAN
C2.1 - C2.3	DETAILS
C3.1 - C3.2	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)



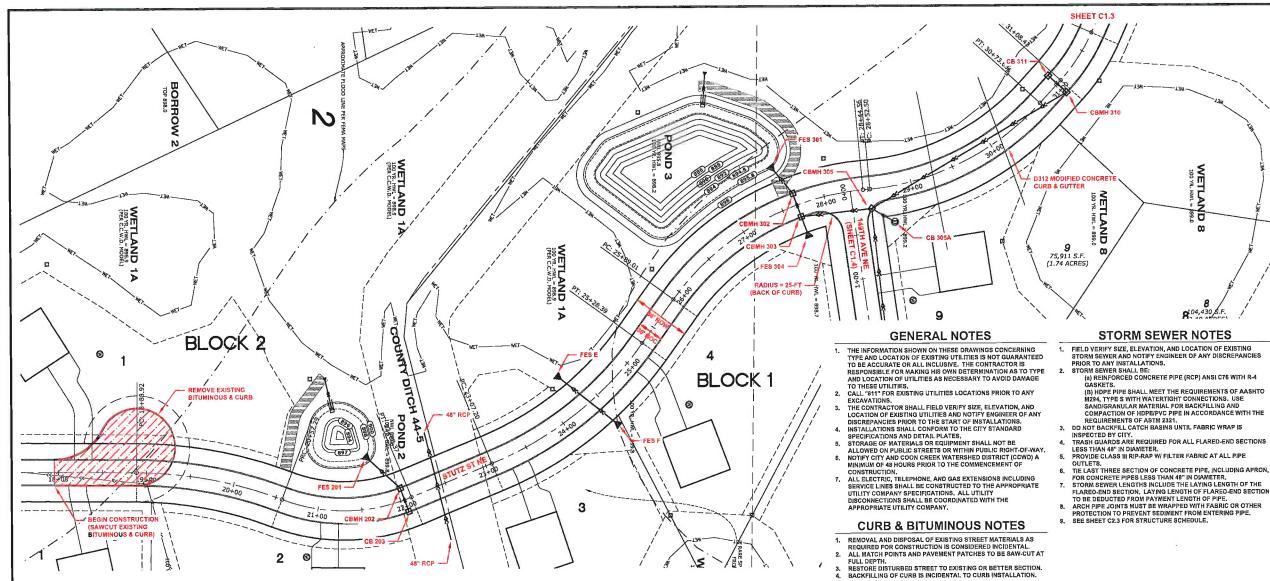
+00

EXISTING DELINEATED WETLAND EDGE

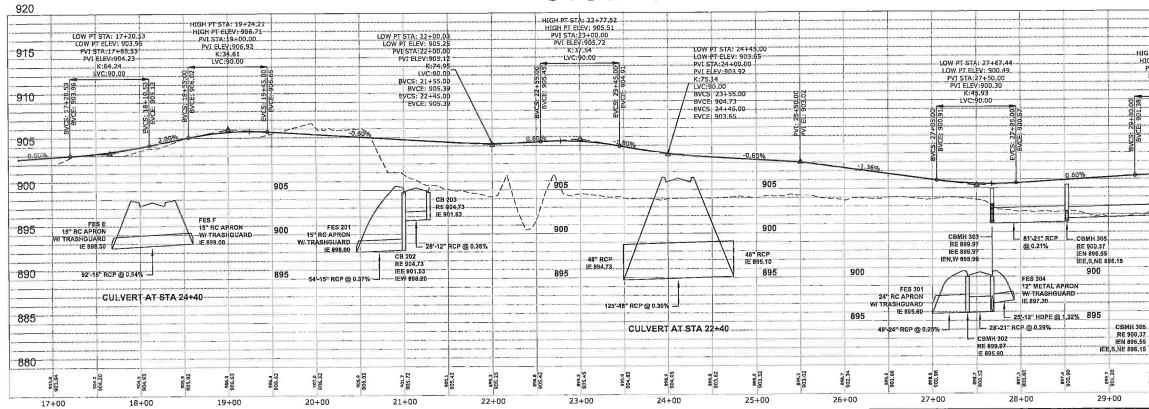
GRAPHIC SCALE

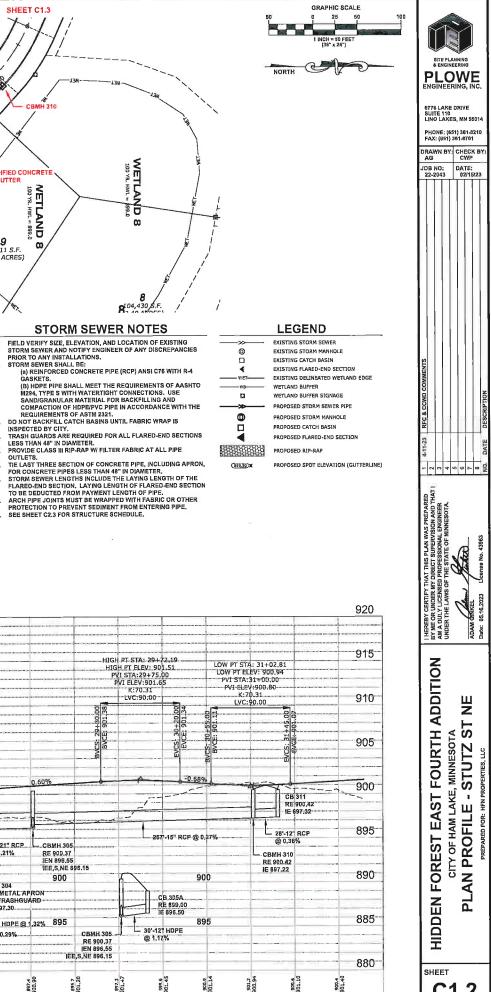
PROPOSED SPOT ELEVATION (GUTTERLINE)











900.9

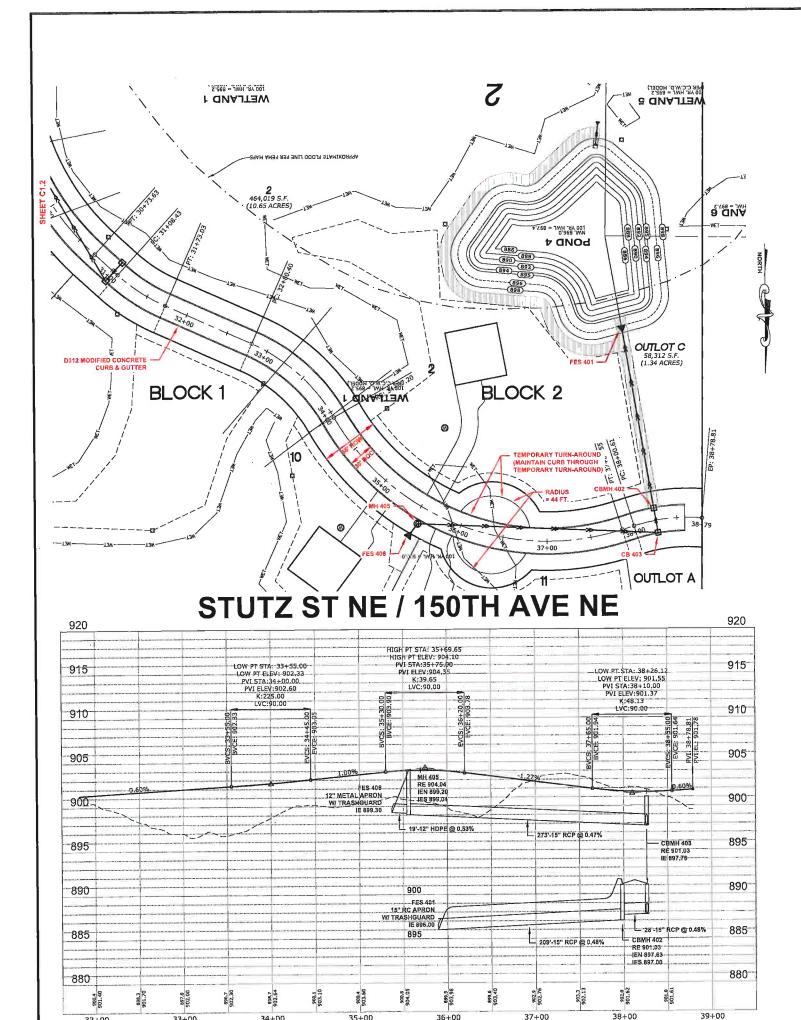
30+00

900.6

32+00

31+00

C1.2



GENERAL NOTES

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

- 5

CURB & BITUMINOUS NOTES

- 1. REMOVAL AND DISPOSAL OF EXISTING STREET MATERIALS AS REQUIRED FOR CONSTRUCTION IS CONSIDERED INCIDENTAL. 2. ALL MATCH POINTS AND PAVEMENT PATCHES TO BE SAW-CUT AT
- FULL DEPTH. 3. RESTORE DISTURBED STREET TO EXISTING OR BETTER SECTION. 4. BACKFILLING OF CURB IS INCIDENTAL TO CURB INSTALLATION.

STORM SEWER NOTES

- STOCKW SEWER NOTES
 I. FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING STOCM SEWER AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY INSTALLATIONS.
 STORM SEWER SHALL BE: (a) REINFORCED CONCRETE PIPE (RCP) ANSI C76 WITH R-4 GASKETS, (B) HOPE PIPE SHALL MEET THE REQUIREMENTS OF AASHTO M294, TYPE S WITH WATERTIGHT CONNECTIONS. USE SAND/GRANULAR MATERIAL FOR BACKFILLING AND COMPACTION OF HOPE/PYC PIPE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM 2321, JO NOT BACKFILL CATCH BASINS UNTIL FABRIC WRAP IS INSPECTED BY CITY.

- TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS NECESSARY TO AVOID DAMAGE TO THESE UTILITIES. CALL "314" FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY EXCAVATIONS. THE CONTRACTOR SHALL FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING UTILITIES AND NOTIFY FUGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF INSTALLATIONS. INSTALLATIONS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS AND DETAIL PLATES. STORAGE OF MATERIALS OR EQUIPMENT SHALL NOT BE ALLOYED ON FUBLIC STREETS OR WITHIN FUBLIC RIGHT-OF-WAY. NOTIFY CITY AND COON CREEK WATERSHED DISTRICT (CCWD) A MINIMUM OF 48 HOURS PRIOR TO THE COMMECKEMENT OF CONSTRUCTION. ALL ELECTRIC, TELEPHONE, AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTLITY COMPANY SPECIFICATIONS. ALL UTLITY DISCONNECTIONS SHALL BE COORDINATED WITH HE APPROPRIATE UTILITY COMPANY.

- - INSPECTED BY CITY. TRASH GUARDS ARE REQUIRED FOR ALL FLARED-END SECTIONS 4
 - LESS THAN 48" IN DIAMETER. PROVIDE CLASS III RIP-RAP W/ FILTER FABRIC AT ALL PIPE
 - OUTLETS. TIE LAST THREE SECTION OF CONCRETE PIPE, INCLUDING APRON, 6
- TIE LAST THREE SECTION OF CONCRETE PIPE, INCLUDING APRON, FOR CONCRETE PIPES LESS THAM AI'N DIAMETER.
 STORM SEWER LENGTHS INCLUDE THE LAYING LENGTH OF FLATED-END SECTION TO BE DEDUCTED FROM PAYMENT LENGTH OF FLATED-END SECTION TO BE DEDUCTED FROM PAYMENT LENGTH OF PIPE.
 ARCH PIPE JOINTS MUST BE WRAPPED WITH FABRIC OR OTHER PROTECTION TO PREVENT SEDIMENT FROM ENTERING PIPE.
 SEE SHEET C2.3 FOR STRUCTURE SCHEDULE.

	PILING BUITTE BU	LAP 11 LAP		RIV , Mi	E N 555 11-8 701 ECH WP TE:: 2/15
THAT THIS PI AN WAS PREPARED 1 4-11-23 RFC & CCWD COMMENTS	AV DIRECT SUPERVISION AND THAT I	SIONAL ENGINEER 3		9	-
LIFEROV CERTICY THAT THIS PLA	BY ME OR UNDER N	AM A DULY LICENSED PROFESSIONAL ENGINEER			AVE ADMINISTER ADMINISTER
	HIDDEN FOREST FAST FOURTH ADDITION		CITY OF HAM LAKE, MINNESOTA	TITOT OF OF TOTIC	PLAN PROFILE - STUIZ ST & 1501H AVE

LEGEND

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(899.50)

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EXISTING STORM SEWER EXISTING STORM MANHOLE EXISTING CATCH BASIN EXISTING FLARED-END SECTION EXISTING DELINEATED WETLAND EDGE WETLAND BUFFER WETLAND BUFFER SIGNAGE PROPOSED STORM SEWER PIPE PROPOSED STORM MANHOLE PROPOSED CATCH BASIN PROPOSED FLARED-END SECTION PROPOSED RIP-RAP

GRAPHIC SCALE 25

PROPOSED SPOT ELEVATION (GUTTERLINE)

GENERAL NOTES

- 1. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF EXISTING UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO TYPE AND LOCATION OF UTILITIES AS NECCESSARY TO AVOID DAMAGE TO THESE UTILITIES.
 CALL "811" FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY EXCAVATIONS.
 THE CONTRACTOR SHALL FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING UTILITIES AND NOTIPY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF INSTALLATIONS.
 (INSTALLATIONS SHALL BE AND NOTIPY ENGINEER OF ANY DISCREPANCIES OF AND DETAIL PLATES.
 STORAGE OF MATERIALS OR EQUIPMENT SHALL NOT BE ALLOWED ON PUBLIC STREETS OR WITHIN PUBLIC RIGHT-OF-WAY.
 NOTIFY CITY AND COON CREEK WATERSHED DISTRICT (CCWD) A MINIMUM OF 48 HOURS PRIOR TO THE COMMECKEMENT OF CONSTRUCTION.
 ALL ELECTRIC, TELEPHONE, AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONRECTIONS SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY COMPANY.

- **CURB & BITUMINOUS NOTES**
- 1. REMOVAL AND DISPOSAL OF EXISTING STREET MATERIALS AS
- REQUIRED FOR CONSTRUCTION IS CONSIDERED INCIDENTAL. 2. ALL MATCH POINTS AND PAVEMENT PATCHES TO BE SAW-CUT AT
- FULL DEPTH. 3. RESTORE DISTURBED STREET TO EXISTING OR BETTER SECTION. 4. BACKFILLING OF CURB IS INCIDENTAL TO CURB INSTALLATION.

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- STORM SEWER NOTES
- I. FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING STORM SEWER AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY INSTALLATIONS.
 STORM SEWER SHALL BE: (a) REINFORCED CONCRETE PIPE (RCP) ANSI C76 WITH R-4 GASKETS.
 (b) HOPE PIPE SHALL MEET THE REQUIREMENTS OF AASHTO M/294, TYPE S WITH WATERTIGHT CONNECTIONS. USE SANDIGRANULAR MATERIAL FOR BACKFILLING AND COMPACTION OF HOPE/PYC PIPE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTIM 2221.
 JOO NOT BACKFILL CATCH BASINS UNTIL FABRIC WRAP IS INSPECTED BY CITY.
- INSPECTED BY CITY. TRASH GUARDS ARE REQUIRED FOR ALL FLARED-END SECTIONS LESS THAN 49" IN DIAMETER. PROVIDE CLASS III RIP-RAP WI FILTER FABRIC AT ALL PIPE 4. 5.
- OUTLETS. TIE LAST THREE SECTION OF CONCRETE PIPE, INCLUDING APRON, 6.

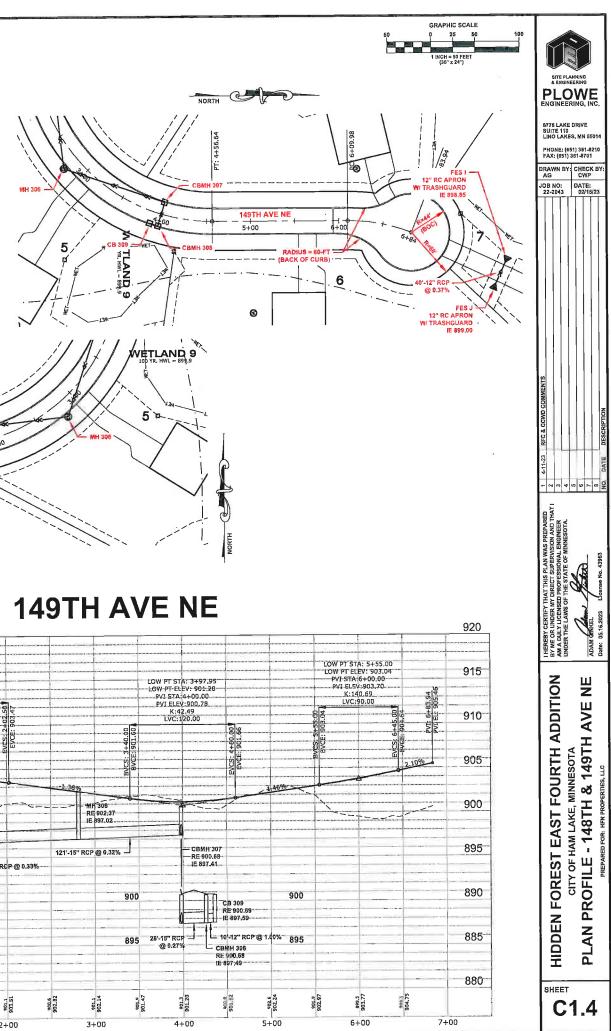
- LEGEND
- EXISTING STORM SEWER EXISTING STORM MANHOL EXISTING CATCH BASIN EXISTING FLARED-END SECTION EXISTING DELINEATED WETLAND EDGE WETLAND BUFFER WETLAND BUFFER SIGNAGE PROPOSED STORM SEWER PIPE
- 0 PROPOSED STORM MANHOLE PROPOSED CATCH BASIN

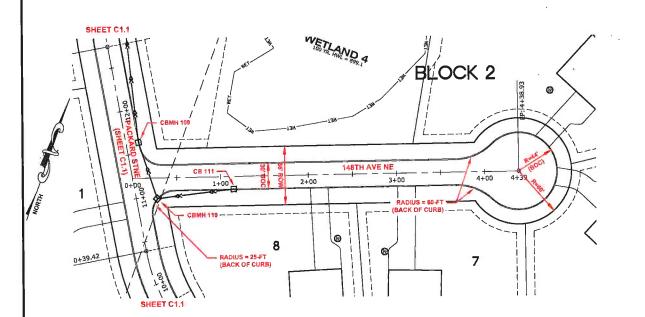
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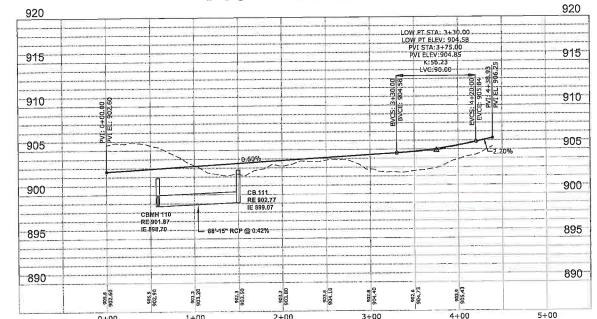
- PROPOSED FLARED-END SECTION 1336363 PROPOSED RIP-RAN
 - PROPOSED SPOT ELEVATION (GUTTERLINE)

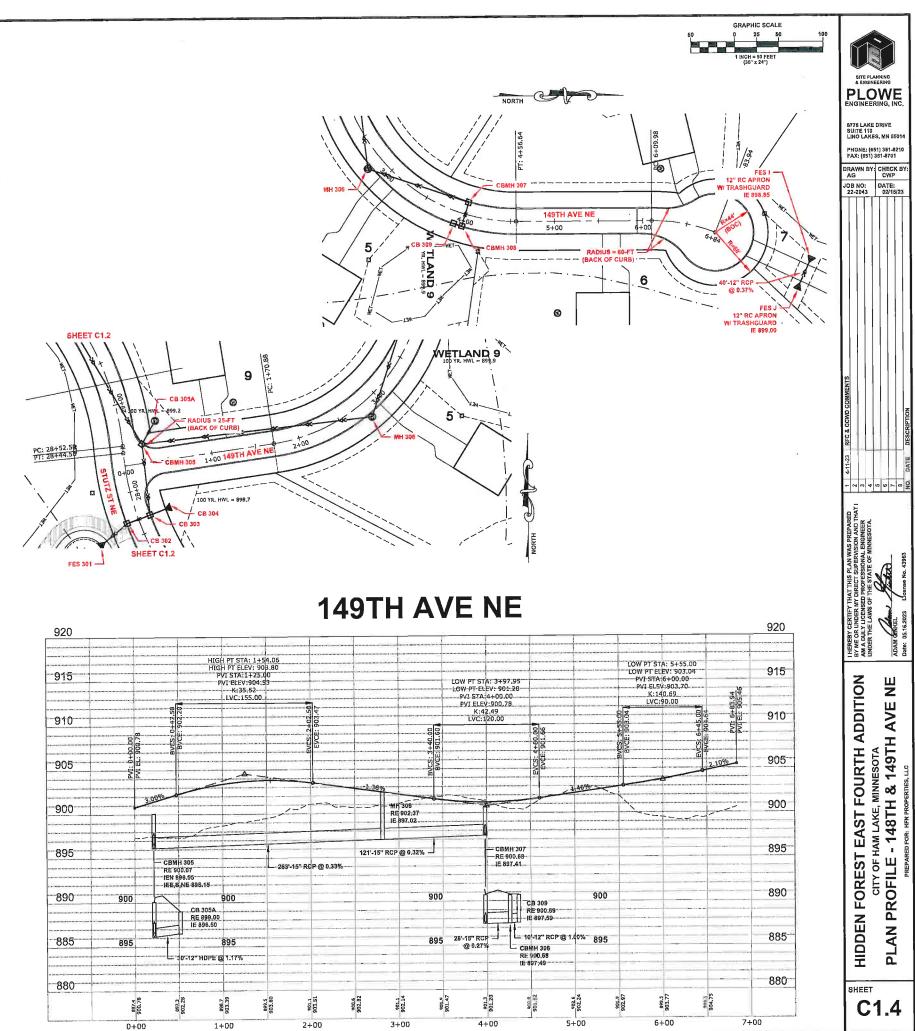
THE LAST THREE SECTION OF CONCRETE PIPE, INCLUDING AFRON, FOR CONCRETE PIPES LESS THAN 48" IN DIAMETER.
 STORM SEWER, LENGTHS INCLUDE THE LAYING LENGTH OF THE FLARED-END SECTION. LAYING LENGTH OF ARED-END SECTION TO BE DEDUCTED FROM PAYMENT LENGTH OF PIPE.
 ARCH PIPE JOINTS MUST BE WRAPPED WITH FABRIC OR OTHER PROTECTION TO REVENT SEDIMENT FROM ENTERING PIPE.
 SEE SHEET C2.3 FOR STRUCTURE SCHEDULE.

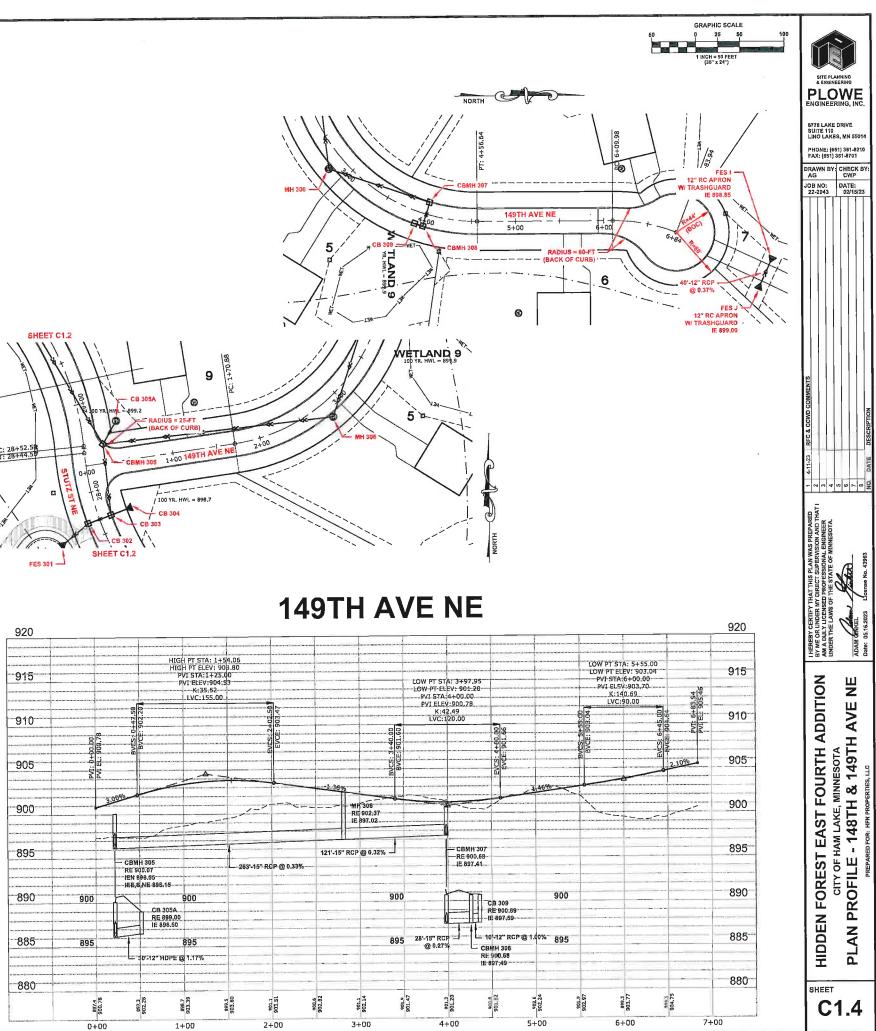


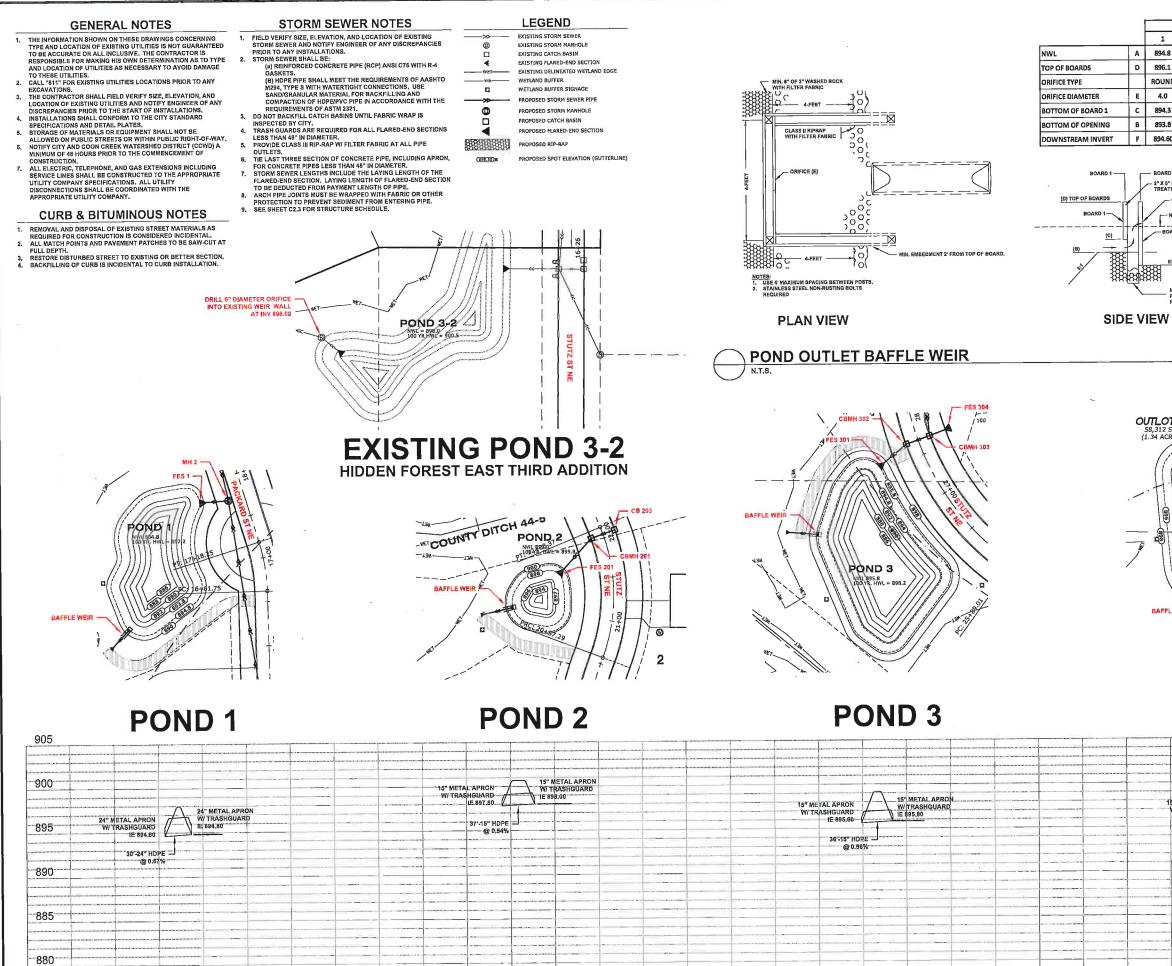


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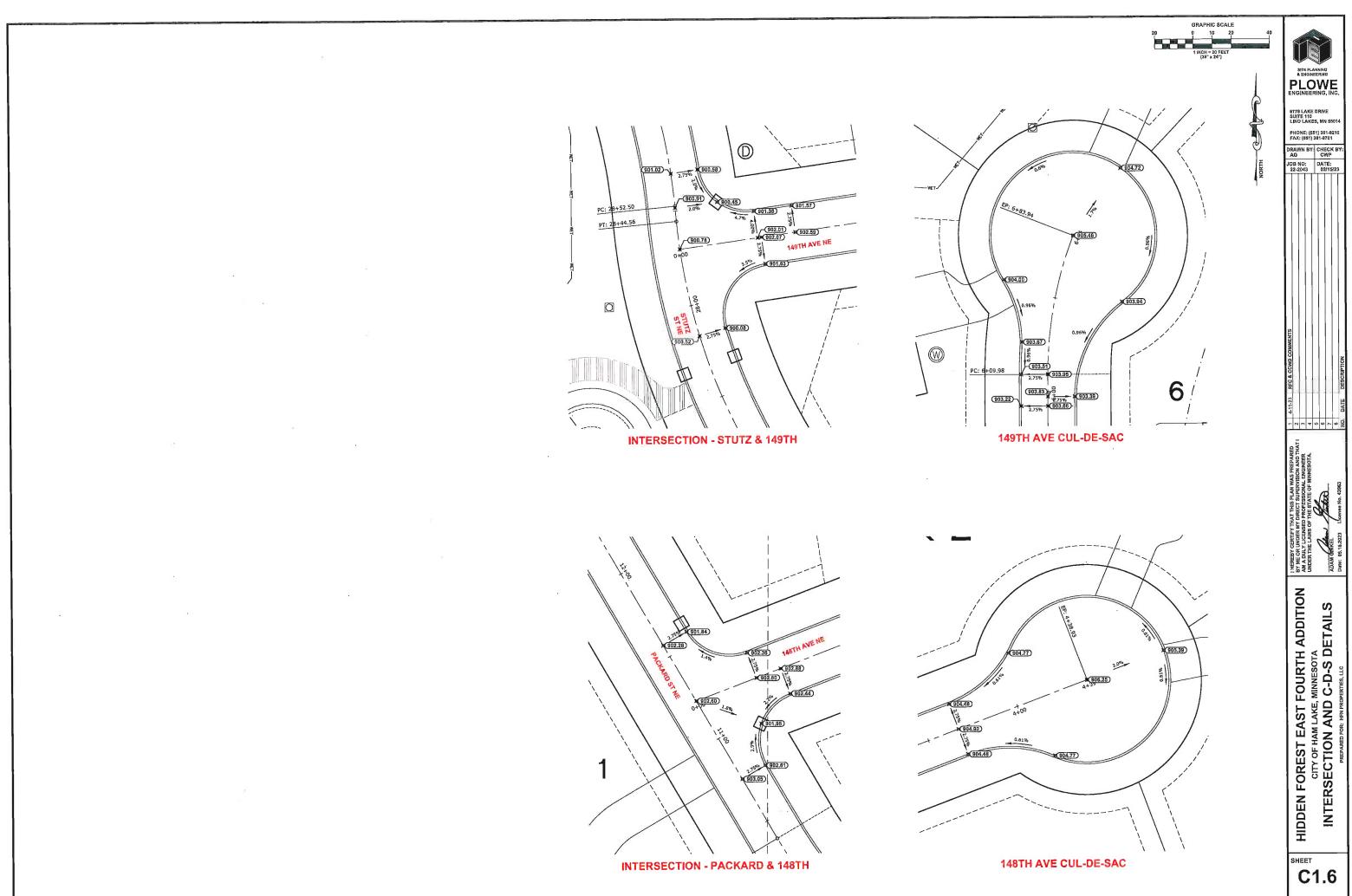


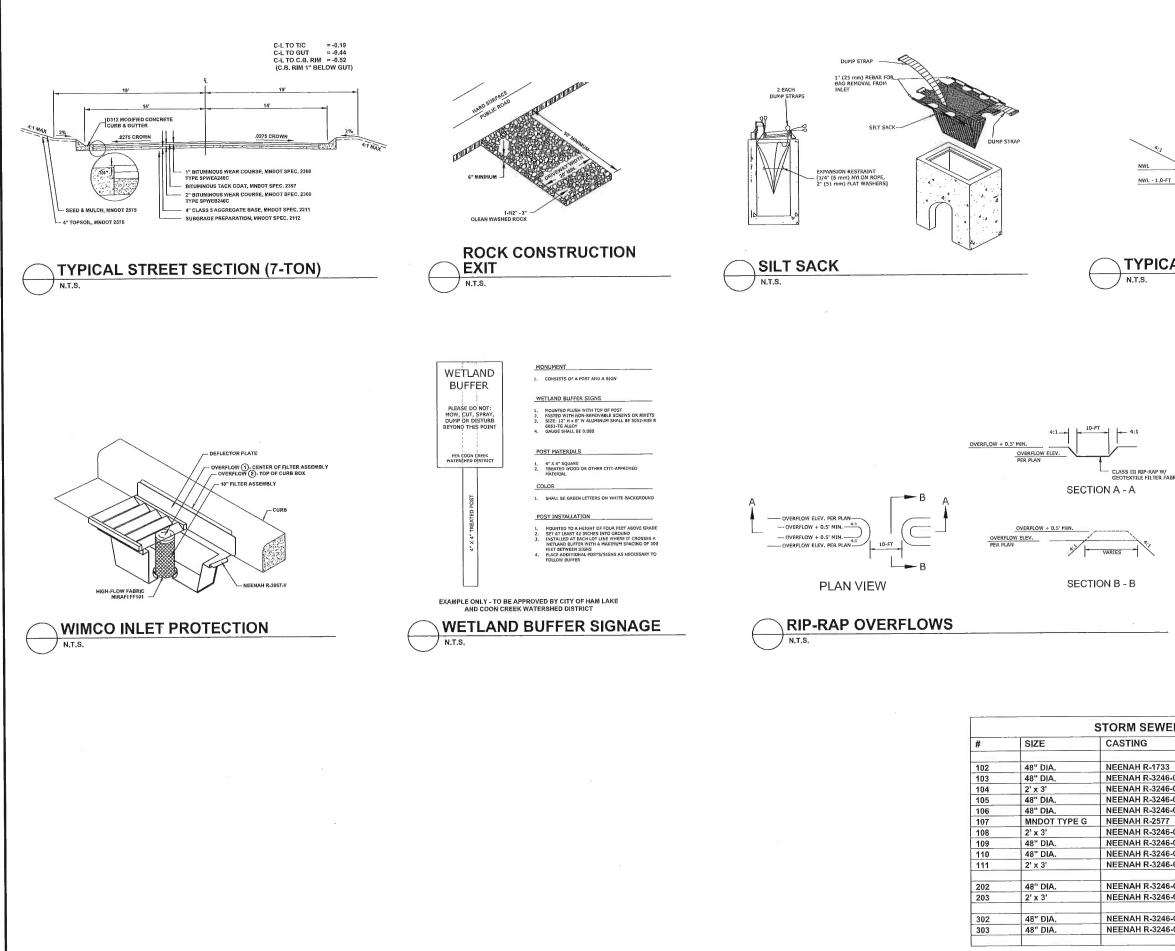




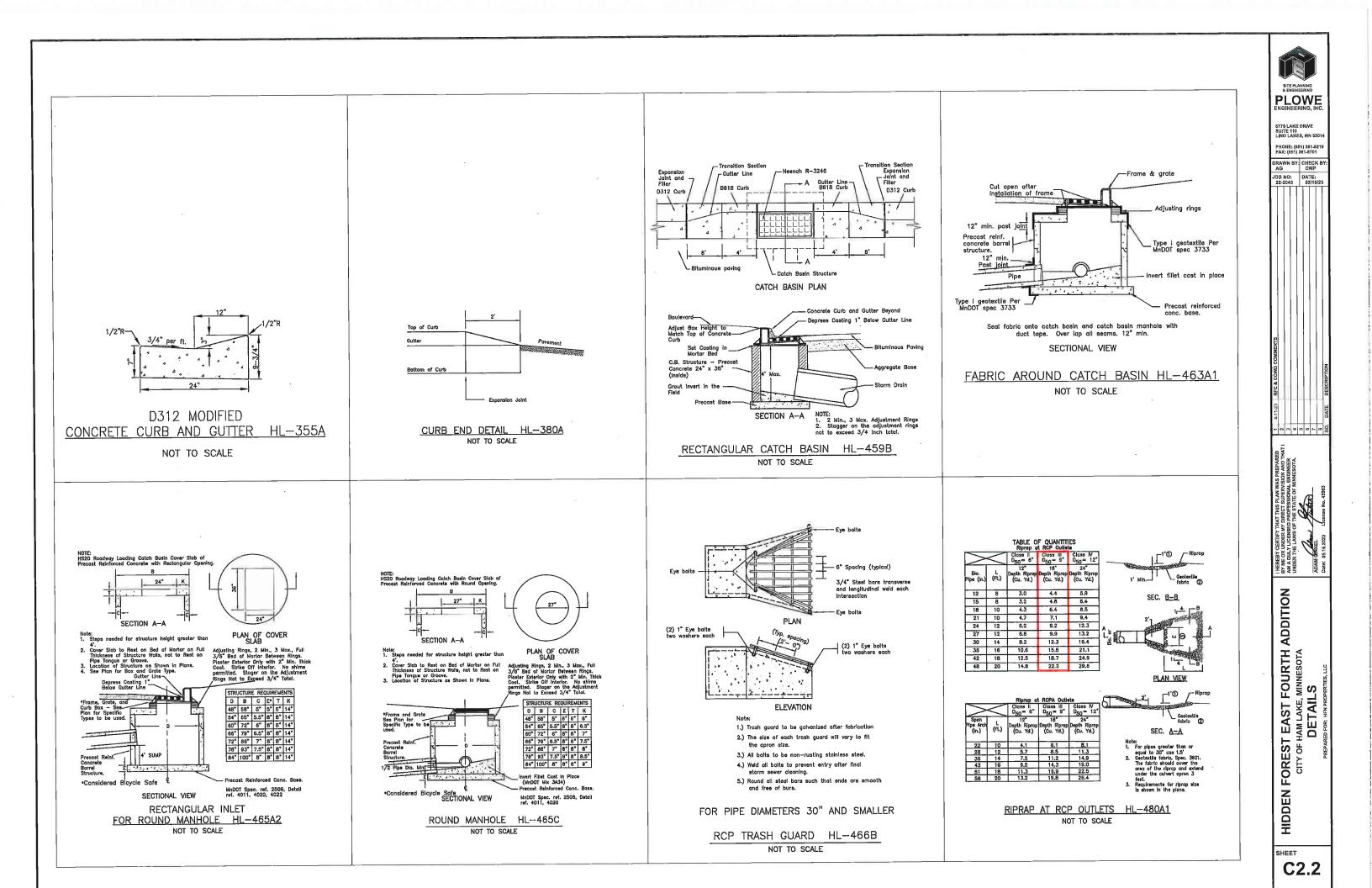


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	894.60 897.80 895.60 895.80 BOARD 2 2"X 6" PRESSURE	FAX: (651) 361-8701 DRAWN BY: CHECK BY: AG CWP JOB NO: DATE;
	BOARD 2 -2"X 5" PARESURE TREATED BOARDS (TYP) ORTFICE (E) OUTLET PIPE (SEE PROFILE BELOW FOR LENGTH, SLOPE AND INVERTS) (F) ELENWL-2.0 FT	AG CWP JOB NO: DATE;
	MINIMUM 6" X 6" PRESSURE TREATED	
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02.1					SHEET C2.1



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- (B) HOPE PIPE SHALL MEET THE REQUIREMENTS OF AASHTO M229, TYPE S WITH WATERTIGHT CONNECTIONS, USE SAND/GRANULAR MATERIAL FOR BACKFILLING AND COMPACTION OF HOPE/PVC PIPE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM 2321.
 DO NOT BACKFILL CATCH BASINS UNTIL FABRIC WRAP IS UNDECTED AN OUTS.
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- PROTECTION TO PREVENT SEDIMENT FROM ENTERING PIPE. 9. SEE SHEET C2.1 FOR STRUCTURE SCHEDULE.

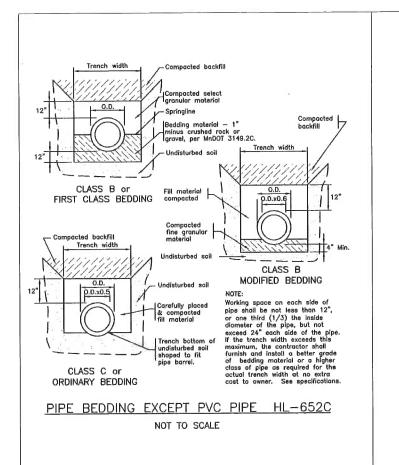
CURB & BITUMINOUS NOTES

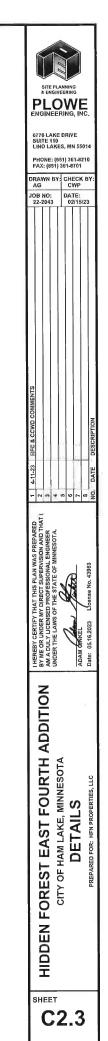
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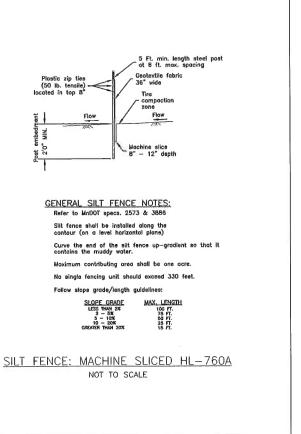
- FULL DEPTH. 3. RESTORE DISTURBED STREET TO EXISTING OR BETTER SECTION. 4. BACKFILLING OF CURB IS INCIDENTAL TO CURB INSTALLATION.

MISCELLANEOUS NOTES

1. SEPTIC AND WELL DESIGN BY OTHERS. 2. SITE TOPOGRAPHY PROVIDED BY OTHERS.







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 SITE, INCLUDING PERMIT RESPONSIBILITY FOR ROADS (E.G., STREET SWEEPING) AND STORMWATER INFRASTRUCTURE FINAL CLEAN OUT, OR TRANSFERRING PORTIONS OF A SITE TO ANOTHER PARTY. THE PERMITTEES' COVERAGE UNDER THIS PERMIT TERMINATES AT MIDDIGHT ON THE SUBMISSION DATE OF THE NOT. [MINN.R. 7090] 4.4 PERMITTEES MAY TERMINATE PERMIT COVERAGE PRIOR TO COMPLETION OF ALL CONSTRUCTION ACTIVITY IF THEY MEET ALL OF THE FOLLOWING CONDITIONS:

A. CONSTRUCTION ACTIVITY HAS CEASED FOR AT LEAST 90 DAYS; AND

- B. AT LEAST 90 PERCENT (BY AREA) OF ALL ORIGINALLY PROPOSED CONSTRUCTION ACTIVITY HAS BEEN COMPLETED AND PERMANENT COVER HAS BEEN ESTABLISHED ON THOSE AREAS; AND C. ON AREAS WHERE CONSTRUCTION ACTIVITY IS NOT COMPLETE, PERMANENT COVER HAS BEEN ESTABLISHED; AND
- D. THE SITE COMPLIES WITH ITEM 13,3 THROUGH 13.7.

AFTER PERMIT COVERAGE IS TERMINATED UNDER THIS ITEM, ANY SUBSEQUENT DEVELOPMENT ON THE REMAINING PORTIONS AT THE TERMINO DEGREE PERMIT COVERAGE IF THE SUBSEQUENT DEVELOPMENT ITSELF OR AS PART OF THE REMAINING COMMON PLAN OF DEVELOPMENT OR SALE WILL RESULT IN LAND DISTURBING ACTIVITIES OF ONE (1) OR MORE ACRES IN SIZE JIMINN 7 0901

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

6.1 SWPPP AMENOMENTS, IMINN, R. 70901

6.1 SYTPP AMERUMENTS, MINNEK, 1999] 6.2 ONE OF THE MONITURIAS DESCRIBED IN ITEM 21.2.A OR ITEM 21.2.B OR ANOTHER QUALIFIED INDIVIDUAL MUST COMPLETE ALL SWPPP CHANCES, CHANGES MYOLVING THE USE OF A LESS STRINGENT BMP MUST INCLUDE A JUSTFICATION DESCRIBION HOW THE REFLACEMENT BMP IS EFFECTURE FOR THE SITE CHARACTERISTICS. (MINN. R. 7090)

UESCRIBING HOW THE REPORTED THE SWIPP OF INCLUDE ADDITIONAL OR MODIFIED BMPS AS NECESSARY TO CORRECT PROBLEMS IDENTIFIED ON ADDRESS SITUATIONS WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERA MAINTENANCE, WEATHER OR SASSONAL CONDITIONS HAVING A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUT. TO SURFACE WATERS OR GROUNDWATER, (MINN, R. 7090)

TO SURFACE WATERS OR GROUNOWATER. (MINN. R. 7090) 6.4 PERMITTEES MUST AMEND THE SWPPP TO INCLUDE ADDITIONAL OR MODIFIED BMPS AS NECESSARY TO CORRECT PROBLEMS IOENTIFIED OR ADDRESS SITUATIONS WHENCVER INSPECTIONS OR INVESTIGATIONS BY THE SITE OWNER OR OPERATOR, USEPA OR MPCA OFFICIALS INDICATE THE SWPPP IS NOT EFFECTIVE IN BLIMINATING OR SIGNIFICANTLY MIMIMIZING THE DISCHARCE OF POLLUTANTS TO SURFACE WATERS OR ROUNDWATER OR THE DISCHARCES ARE CAUSING WATER QUALITY STANDARD EXCEEDANCES (E.G., NUISANCE CONDUNDYATE NOT CONSISTEM TWIT THE OBSICATE CIVES OF A USEPA APPROVED TIMUL, IMINN, R. 7050/8210)

7.1 BMP SELECTION AND INSTALLATION. IMINN, R. 70901

T2 PERMITTEES MUST 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, [MINA, R, 7090]

8,1 EROSION PREVENTION PRACTICES, [MINN. R. 7090]

8 2 RECORE WORK REGINS, PERMITTEES MUST DELINEATE THE LOCATION OF AREAS NOT TO BE DISTURBED, MINN, R. 70901 8.2 BEFORE WORK BEGINS, PERMITTEES INDIDUCTION TO THE DOCUMENT OF A DEVICE WITH STEEP SLOPES. WHEN 8.3 PERMITTEES MUST MINIMUME THE NEED FOIL DISTURBENCE OF PORTHOLOGIES OF THE PROJECT WITH STEEP SLOPES. WHEN STEEP SLOPES MUST BE DISTURBED, PERMITTEES MUST USE TECHNIQUES SUCH AS PHASING AND STABILIZATION PRACTICES DESIGNED FOR STEEP SLOPES (E.G., SLOPE DRAMING AND FERRACING), MINN. R. 7390]

DEMONSULT ON STEEP SLOPES (E.G., SLOPE URABING AND LERRACHYG), [MINN. H. [796] B4 PERNITESE MUST STABLIZE ALL EXPOSED SOLL AREAS, INCLUDING STOCKFILES, STABILIZATION MUST BE INITIATED IMMEDIATELY TO LIMIT SOLL EROSION WHEN CONSTRUCTION ACTIVITY HAS PERMAMENTLY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 7 CALENDAR DAYS, STABILIZATION MUST BE COMPLETED NO LATER THAN 7 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY HAS CEASED ATABLIZATION IN NOT REQUIRED ON CONSTRUCTED BASE COMPONENTS OF RODADS, PARKING LOTS AND SMIKHA SUFFACES. STABILIZATION IN NOT REQUIRED ON TEMPORARY STOCKPLES WITHOUT SIGNIFICANT SALT, CLAY OR ORGANIC COMPONENTS (G.G., CLEAN APCORECATE TOTOKUI ES CHOILTIDU CONCETTE STOCKPUE ES SAND STOCKPUE ES DANT FEOLUTIES (G.G., CLEAN AGOREGATE STOCKPILES WITHOUT SIGNIFICANT SILT, CLAY OR ORGANIC COMPONENTS (E.G., CLEAN AGGREGATE STOCKPILES, DEMOLITION CONCRETE STOCKPILES, SAND STOCKPILES) BUT PERMITTEES MUST PROVI SEDIMENT CONTROLS AT THE BASE OF THE STOCKPILE. (MINN. R, 7090] 6.5 FOR DIRIL: WATERO THE STOCKPILE.

8.5 FOR PUBLIC WATERS THAT THE MINNESOTA DNR HAS PROMULGATED "WORK IN WATER RESTRICTIONS" DURING SPECIFIED FISH SPAWNING TIME FRAMES, PERMITTEES MUST COMPLETE STABILIZATION OF ALL EXPOSED SOLI AREAS WITHIN 200 FEET OF THE WATERS EDGE, AND THAT DRAW TO THESE WATERS, WITHIN 24 HOURS DURING THE RESTRICTION PERIOD. SPECIFIED FIS 200 FEET OF 7 (MINN, R. 7090

[MINN.R. 7090] 8.8 PERMITTES 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 SUMPACE WATER OR PROPENTY EDE.PERMITTES MUST COMPLETE STABLIZZITION OF REMAINING PORTIONS OF TEMPORARY OR PERMANENT DITCHES OR SWALES WITHIN T CALENDAR DAYS AFTER CONNECTING TO A SUMPACE WATER OR PROTREMY EDGE AND CONSTRUCTION IN THAT PORTION OF THE DITCH TEMPORARLY OR PERMANENTLY CEASES. (MINN, R. 1000)

A TEMPORARY OR PERMANENT DITCHES OR SWALES BEING USED AS A SEDIMENT CONTAINMENT SYSTEM DURING CONSTRUCTION (WITH PROPERLY DESIGNED ROCK-DITCH CHECKS, BIG ROLLS, SILT DIKES, ETC.) DO NOT NEED TO BE STABLIZED, PERMITTES MUST STABLIZE THESE AREAS WITHIN 24 HOURS AFTER THER USE AS A SEDIMENT CONTAIN

8.8 PERMITTEES MUST NOT USE MULCH, HYDROMULCH, TACKIFIER, POLYACRYLAMIDE OR SIMILAR EROSION PREVENTION RACTICES WITHIN ANY PORTION OF THE NORMAL WETTED PERIMETER OF A TEMPORARY OR PERMANENT DRAI R SWALE SECTION WITH A CONTINUOUS SLOPE OF GREATER THAN 2 PERCENT. [MINN. R. 7090]

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. 7099]

8.1 SEDUMENT CONTINCE FIRM INC. CONTROL BADY AND A CONTROL BADY ON ALL DOWNGRADIENT PERIMETERS OF THE SITE AND DOWNGRADIENT AREAS OF THE SITE THAT DRAIN TO ANY SURFACE WATER, INCLUDING CURB AND GUITER SYSTEMS. PERIMITEES MUST LOCATE SEDUMENT CONTROL PRACTICES UPGRADIENT OF ANY BUFFRE SOMES, PERIMITEES MUST INSTALL SEDIMENT CONTROL PRACTICES BEFORE ANY UPGRADIENT LAND-DISTURBING ACTIVITIES BEGINA NO MUST KEEP THE SEDIMENT CONTROL PRACTICES IN FLORE UNTIL THEY STABLISH PERIMAKENT COVER, IMINI, R. 7000] 9.3 IE DOWINGRADIENT SEDMENT CONTROLS ARE OVERLOADED, BASED ON FREQUENT FAILURE OR EXCESSIVE WAINTENANCE REQUIREMENTS, PERMITTESS MUST INSTALL ADDRIVINAL UPRADIENT SEDMENT CONTROL PRA REDUINDANT BMPS TO ELIMINATE THE OVERLOADING AND AMEND THE SWPPP TO IDENTIFY THESE ADDITIONAL F REQUIRED IN THE 6.3, ININN R. 7989)

REQUIRED IN LIEM 6.3, UNION, N. 1090] 9,4 TEMPORARY OR PERMANENT DRAINAGE DITCHES AND SEDIMENT BASINS DESIGNED AS PART OF A SEDIMENT CONTAINMENT SYSTEM (E.G., DITCHES WITH ROCK-CHECK DAMS) REQUIRE SEDIMENT CONTROL PRACTICES ONLY AS APPROPRIATE FOR SITE CONDITIONS, (MINN, R. 7090)

9.5 A FLOATING SILT CURTAIN PLACED IN THE WATER IS NOT A SEDIMENT CONTROL BMP TO SATISFY ITEM 9.2 EXCEPT WHEN WORNING ON A SHORELINE OR BELOTT THE INTERLINE. IMMEDIATE AT LA THE THE DIGHT LEAR OWNER ON THE AND A SHORE
9.6 PERMITTEES MUST RE-INSTALL ALL SEDIMENT CONTROL PRACTICES ADJUSTED OR REMOVED TO ACCOMMODATE SUPCIMINAL COMMENDATION OF A CLEARING OR GRUBBING, OR PASSAGE OF VEHICLES, IMMEDIATELY AFTER THE SNORT-TERM ACTIVITIES COMPLETED. PERMITTEES MUST RE-INSTALL SEDIMENT CONTROL PRACTICES BEFORE THE NEXT PRECIPITATION FVENT EVEN IT THE SHORT-TERM ACTIVITY IS NOT COMPLETE. MINN.R. 70901

9.7 PERMITTEES MUST PROTECT ALL STORM DRAIN INLETS USING APPROPRIATE BMPS DURING CONSTRUCTION UNTIL THEY ESTABLIEM PERMANENT COVER ON ALL AREAS WITH POTENTIAL FOR DISCHARGING TO THE INLET. (MINN. R. 7090) DATE AND A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF THE MEET, FUNDING R. 1990] 39 FERMITTEES MAY REMOVE NILET PROTECTION FOR A PARTICULAR NILET FA SPECIFIC SAFETY CONCERN (E.G. STREET FLUDING/REEZING) IS IDENTIFIED BY THE PERMITTEES OR THE JURISDICTIONAL AUTHORITY (E.G. CUTYCOUNTYTOWNSHIP/MININESOTA DEPARTMENT OF TRANSPORTATION BEGINEER, PERMITTEES MUST DOCUMENT THE CITY/COUNTY/TOWNSHIP/MINNESUTA 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. IMINN. R. 7890

THE DURNGRADIENT PERIMITER, JUNIOR, R. 1990 9,10 PERMITTEES MUST LOCATE STOCKPILES OUTSIDE OF NATURAL BUFFERS OR SURFACE WATERS, INCLUDING STORWATER CONVEYANCES SUCH AS OUR AND GUTTER SYSTEMS UNLESS THERE IS A BYPASS IN PLACE FOR THE STORMWATER CONVELANCE

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

9.12 PERMITTEES MUST USE STREET SWEEPING IF VEHICLE TRACKING BMPS ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING ONTO THE STREET (MINN, R. 7000) 9,13 PERMITTEES MUST INSTALL TEMPORARY SEDIMENT BASINS AS REQUIRED IN SECTION 14. [MINN, R. 709

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. 7890]

9.15 PERMITTEES MUST PRESERVE TOPSOIL ON THE SITE, UNLESS INFEASIBLE, IMINN. R. 70901

9.16 PERMITTEES MUST DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS UNLESS INFEASIBLE. [MINN. R, 7090] 9.16 PERMITTEES MUST DIRECT DIRECT DISCHARGES FROM SMIPS TO VEGETATED AREAS DALESS INTERASTOLES, INT

INSTALLED IN A MANNER I MAI NE LANS ALL SI CAMPATALES, IMIMA K. (1990) 9.49 FERNITESE MUST USE POLYMERS, FLOCCULANTS, OR OTHER SEDIMENTATION TREATMENT CHEMICALS IN ACCORDANCE WITH ACCEPTED ENSINEERING PRACTICES, DOSING SPECIFICATIONS AND SEDIMENT REMOVAL DESIGN SPECIFICATIONS PROVIDED BY THE MANUFACTURER OR SUPPLIER. THE PERMITTEES MUST USE CONVENTIONAL EROS AND SEDIMENT CONTROLS PRIOR TO CHEMICAL ADDITION AND MUST DIRECT TREATED STORMWATER TO A SEDIMENT CONTROL SYSTEM FOR HILTATION OR SETTLEMENT OF THE FLOC PRIOR TO BISCHARCE, MINN. R. 7090]

10.1 DEWATERING AND BASIN DRAINING, IMINN, R. 70901 10.1 DEWATERING AND BASIN DRAINING, [MINN. 8, 799] 10.2 PERMITTEES MUST DISCHARGE TURBEU OR SEDMIENT-LADEN WATERS RELATED TO DEWATERING OR BASIN DRAINING (E.G., PUMPED DISCHARGES, TRENCHDITCH CUTS FOR DRAINAGE) TO A TEMPORARY OR PERMANENT SEDMIENT BASIN ON THE PROJECT SITE UNLESS INFEASIBLE, PERMITTEES MAY DEWATER TO SURFACE WATERS IF THEY VISUALLY OHECK TO ENSURE ADEQUATE TREATMENT HAS BEEN OBTAINED AND AUISANCE CONDITIONS (SEE MINN. R. 7302/10, SUBP. 2) WILL NOT RESULT FROM THE DISCHARGE. IF PERMITTEES CANNOT DISCHARGE THE WATER TO A SEDMIENTATION BASIN PROF ENTERING A SURFACE WATER, PERMITTEES MANS THEAT IT WITH APPADPRATE HEW YSEN ALLY THE DISCHARGE DOES NOT ADVERSELY AFFECT THE SURFACE WATER, OR OWNSTRICK AN PROFENIES, [MINN. R. 7000.210] MUSTANDER SEDMINENTIES CANNON ROPOEMIES, [MIN. R. 700.2010]

11,1 INSPECTIONS AND MAINTENANCE, [MINN, R. 7090]

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)

10 4 PERMITTEES MUST DISCHARGE ALL WATER FROM DEWATERING OR BASIN-DRAINING ACTIVITIES IN A MANNER THAT DOES

OT CAUSE EROSION OR SCOUR IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS OR INUNDATION OF WETLANDS IN THE MEDIATE VICINITY OF DISCHARGE POINTS THAT CAUSES SIGNIFICANT ADVERSE IMPACT TO THE WETLAND. [MINN. R. 7090

10.5 IF PERMITTEES USE FLICTERS WITH BACKWASH WATER, THEY MUST HAUL THE BACKWASH WATER AWAY FOR DISPOSAL RETURN THE BACKWASH WATER TO THE BEGINNING OF THE TREATMENT PROCESS, OF INCORPORATE THE BACKWASH WATER INTO THE SITE NA MANNER THAT DOES NOT CAUSE REOSION, IMIN, R. 7890]

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 (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 12 INCH IN 24 HOURS, (MINN, R, 1909)

THA FEMILITEES MUST INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPS AND POLLUTION PREVENTION MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS, PERMITTEES MUST REPAIR, REFLACE OR SUPPLEMENT ALL NONFUNCTIONAL BMPS WITH FUNCTIONAL BMPS BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY UNLESS ANOTHER TIME FRAME IS SPECIFIED IN ITEM 11. SO N 11.8. PERMITTEES MAY TAKE ADDITIONAL TIME IF FIELD CONDITIONS PREVENT ACCESS TO THE AREA. [MINN. 709]

FIELD CONDITIONS PREVENT ACCESS TO THE AREA. (MINN. R. 7090) 11.5 DURING EACH INSPECTION, PERMITTEES MUST INSPECT SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND CONVEYANCE SYSTEMS BUT NOT CURG AND GUTTER SYSTEMS, FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION. PERMITTEES MUST REMOVE ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATERS, INCLUDING DRAINAGE MAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS AND RESTABILIZE THE AREAS WHERE SEDIMENT REMOVAL ARESULTS IN EXPOSED SOL. PERMITTEES MUST COMPLETE REMOVAL AND STABILIZATION WITHIN SEVEN (7) CALENDARD DAYS OF DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL ACCESS CONSTANTS. PERMITTEES MUST USE MUST USE ALL REASONABLE EFFORTS TO OBTAM ACCESS. IF PRECLUDED, REMOVAL AND STABILIZATION MUST TAKE PLACE WITHIN SEVEN (7) DAYS OF OSTAMING 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.

A REPARTLES MUST INSPECT CONSTRUCTION SITE VEHICLE EXIT LOCATIONS, STREETS AND CURB AND GUTTER SYSTEM

11.6 PERMII IEES MIDJI INGPECI CONSTRUCTION OTTO YEINGE CAN EDGATION TRACING MEDICARDO DU WITHIN AND ADJACENT TO THE PROJECT FOR SEDIMENTATION FROM EROSION OR TRACKED SEDIMENT FROM VEH PERMITTEES MUST REMOVE SEDIMENT FROM ALL PAVED SURFACES WITHIN ONE (1) CALENDAR DAY OF DISCOVER APPLICABLE. WITHIN A SHORTER TIME TO AVOID A SAFETY HAZARD TO USERS OF PUBLIC STREETS, MINN, R. 7090

1.10 PERMITTEES MAY ADJUST THE INSPECTION SCHEDULE DESCRIBED IN ITEM 11.2 AS FOLLOWS:

CONSTRUCTION, WHICHEVER COMES FIRST. [MINN. R. 7090]

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

A. DATE AND TIME OF INSPECTIONS; AND B. NAME OF PERSONS CONDUCTING INSPECTIONS; AND

WWATER, [MINN, R. 7090]

13,1 PERMIT TERMINATION CONDITIONS. [MINN. R. 7090]

TO CLEAN UP DISCHA

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. 7690]

A. INSPECTIONS OF AREAS WITH PERMANENT COVER CAN BE REQUED TO ONCE PER MONTH, EVEN IF CONSTRUCTION ACTIVITY CONTINUES ON OTHER PORTIONS OF THE SITE; OR

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

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

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:

ACCURATE FINDINGS OF INSPECTIONS, INCLUDING THE SPECIFIC LOCATION WHERE CORRECTIVE ACTIONS ARE NEEDED;

I PERMITTES OSSERVE A DISCHARCE OURING THE INSPECTION, THEY MUST RECORD AND SHOULD PHOTOGRAPH AND DESCRIBE THE LOCATION OF THE DISCHARCE OLIVIC, GLOCR, ODOR, SETTLED OR SUSPENDED SOLIDS, OIL SHEEN, AND OTHER OBVIOUS NIDICATORS 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. N. 7090)

121 FOLLUTION PREVENTION MARAGEMENT INEXSURES (MINN: N. 1990) 122 FORMITES MUST PLACE BUILDING PRODUCTS AND LANDSCAPE MATERIALS UNDER COVER (E.G., PLASTIC SHEETING OR TEMPORARY RODFS) OR PROTECT THEM BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMEE CONTACT WITH STORMWATER, PERMITTEES ARE NOT REQUIRED TO COVER OR PROTECT PRODUCTS WHICH ARE EITHER NOT A SOURCE OF CONTAMINATOR TO STORMWATER OR ARE DESIGNED TO BE EXPOSED TO STORMWATER. (MINN. R. 1990)

12.3 PERMITTEES MUST PLACE PESTICIDES, FERTILIZERS AND TREATMENT CHEMICALS UNDER COVER (E.G., PLASTIC SHEETING OR TEMPORARY KOOFS) OR PROTECT THEM BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT

WITH STORWAVALEN, (MINN, N. 1990) 124, PERMITTESE MUST STORE HAZARDOUS MATERIALS AND TOXIC WASTE, (INCLUDING OIL, DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAMIT SOLVENTS, PETROLEUM ASSED PRODUCTS, WOOD PRESERVATIVES, ADDITYES, CURING COMPOUNDS, AND ACIDIS IN SEALED COTALINERS TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. STORAGE AND DISPOSAL OF HAZAKI: UIS WASTE MATERIALS MUST BE IN COMPLIANCE WITH MINN, R. CH. 7645 INCLUDING SECONDAR CONTAINMENT AS APPLICABLE, (MINN, R. 7090)

12,5 PERMITTEES MUST PROPERLY STORE, COLLECT AND DISPOSE SOLID WASTE IN COMPLIANCE WITH MINN, R. CH. 7035.

(MINN, R. 7035) 12.8 PERMITTEES MUST POSITION PORTABLE TOILETS SO THEY ARE SECURE AND WILL NOT TIP OR BE KNOCKED OVER. PERMITTEES MUST REOPERLY DISPOSE SANITARY WASTE IN ACCORDANCE WITH MINN, R. CH. 7041, (MINN, R. 7041) 12.7 PERMITTEES MUST TARE REASONABLE STEPS TO PREVENT THE DISCHARGE OF SPILLED OR LEAKED CHEMICALS, INCLUDING FUEL, FROM ANY AREA WHERE CHEMICALS OR FUEL WILL BE LOADED OR UNLOADED INCLUDING THE SATE PANS OR ABSORBETTS UNLESS INFEASIBLE, PERMITTEES MUST ENSURE ADEQUATE SUPPLIES ARE AVAILABLE AT ALL TIMES

S OR ABSORBENTS UNLESS INFEASIBLE, PERMITTEES MUST ENSURE ADEQUATE SUPPLIES ARE AVAILADE LA TIALT INTE LEAN UP DISCHREGE DMATERIUS AND THAT AN APPROPRIATE OISPOSAL METHOD IS AVAILABLE FOR RECOVERED LEO MATERIALS, PERMITTEES MUST REPORT AND CLEAN UP SPILLS IMMEDIATELY AS REQUIRED BY MINN. STAT, 115.061 (D GYR'CLEAN UP MEASURES WHERE POSSIBLE (MINN. STAT. 115.061)

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

UE LEKUBENTS, UN SOLVENTS, (MINN, R. 7000) 12,9 PERMITTEES MUST PROVINGE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OFRATIONE (E. A., SOUTHETE, STUCCO, PAINT, FORM RELEASE OLLS, CURING COMPOUNDS AND OTHER CONSTRUCTION OFRATIONE (E. A., SOUTHETE, STUCCO, PAINT, FORM RELEASE OLLS, CURING COMPOUNDS AND OTHER CONSTRUCTION OF A CONTACTIVE THE GROUND AND MUST DESIGN THE CONTAINMENT SO IT DOES NOT RESULT IN AUMOFF FROM THE FROM CONTACTIVE THE GROUND AND MUST DESIGN THE CONTAINMENT SO IT DOES NOT RESULT IN AUMOFF FROM THE WASHOUT OFFATIONS OR AREAS. PERMITTEES MUST FROM FOLLY DISTOREL LIQUID AND SOLID WASTES IN COMPLANCE WITH MPCA. RULES, PERMITTEES MUST FROM FILE SOLID FOR DELIQUID AND SOLID WASTES IN COMPLANCE RTMM FOLLOWERS AND ALLY A SIGN INDICATING THE LOCATION OF THE WASHOUT FACILITY. (MINN. R. 7035, MINN. R. 7090)

TALE PERMIT LEARNING CONFIDENCE ON TRUCK OF MANY AND MUST INSTALL PERMANENT COVER OVER ALL AREAS PRIOR TO SUBMITTING THE NOT, VEGETATIVE COVER MUST CONSIST OF A UNIFORM PERENNAL VEGETATION WITH A DENSIT OF 70 FERCENT OF ITS EXPECTED FINAL GROWTH, VEGETATION IS NOT REQUIRED WHERE THE FUNCTION OF A SPECIFIC ARE DICTATES NO VEGETATION, SUCH AS IMPERVIOUS SUBFACES OR THE BASE OF A SANO 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 15 THROUGH 19 AND IS OPFRATING AS

13.4 PERMITTEES MUST REMOVE ALL SEDIMENT FROM CONVEYANCE SYSTEMS PRIOR TO SUBMITTING THE NOT. [MINN. R. 7090]

TO SUBMIT TWO THE TOT, FEMALE CONTRICTION OF LEAVE DWAY OVERAGE TERMINATES ON MOLVIDUAL 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, MINN, R. 7001

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.)

13.5 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]

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

E. DATE OF ALL RAINFALL EVENTS GREATER THAN 1/2 INCHES IN 24 HOURS, AND THE AMOUNT OF RAINFALL FOR EACH EVENT. PERMITTEES MUST OBTAIN RAINFALL AMOUNTS BY EITHER A PROPERLY MAINTAINED RAIN GAUGE INSTALLER ONSITE, A WEATHER STATION THAT IS WITHIN ORE (1) MULL OF YOUR LOCATION, OR A WEATHER REPORTING SYSTEM THAT PROVIDES SITE SPECIFIC RAINFALL DATA FROM RADAR SUMMARIES; AND

11.3 PERMITTEES MUST INSPECT AND MAINTAIN ALL PERMANENT STORMWATER TREATMENT BMPS. (MINN. R. 7090)

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

14.1 TEMPORARY SEDIMENI BASINS, (MINN: K. 1993) 14.2 WHERE TRUINO ROMENT ACRESS OF DISTURBED SOIL DRAIN TO A COMMON LOCATION, PERMITTEES MUST PROVIDE TEMPORARY SEDIMENT BASIN TO PROVIDE TREATMENT OF THE RUMOFF BEFORE IT LEAVES THE CONSTRUCTION SITE OF 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 WHEN PERMANENT COVER HAS REDUC THE ACREACE OF DISTURBED SOLI TO LESS THAN TEN (10) ACRES DRAINING TO A COMMON LOCATION, (MINN: R. T080) 14.3 THE TEMPORARY BASIN MUST PROVIDE LIVE STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A TWO (2)-YEAR, 24-HOUR STORM FROM EACH ACRE DRAINED TO THE BASIN OR 1,800 CUBIC FEET OF LIVE STORAGE PER ACRE DRAINED, WHICHEVER IS GREATER, (MINN, R. 7800)

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

4.6 PERMITTEES MUST DESIGN THE OUTLET STRUCTURE TO WITHDRAW WATER FROM THE SURFACE TO MINIMIZE THE 14.8 PERMITTEES MUST DESIGN THE OUTLET STRUCTURE TO WITHDRAW WATER FROM THE SURFACE TO MINIMALE THE DISCHARGE OF POLLUTATAST, PERMITTEES MAY TEMPORARLY SUSPEND THE USE OF A SURFACE WITHDRAWALL 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 SURFACE WATER, [MINN. R. 7889]

14.8 PERMITTEES MUST LOCATE TEMPORARY BASINS OUTSIDE OF SURFACE WATERS AND ANY BUFFER ZONE REQUIRED IN ITEM 23.11, [MINN. R. 7090]

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

TO A COMMON LOCATION. (MINN.R. 7990] 14.10 WHERE A TEMPORARY SEDIMENT BASIN MEETING THE REQUIREMENTS OF ITEM 14.3 THROUGH 14.9 IS INFEASIBLE, PERMITTEES MUST INSTALL EFFECTIVE SEDIMENT CONTROLS SUCH AS SMALLER SEDIMENT BASINS AND/OR SEDIMENT TRAPS, SILT FENCES, VEGETATIVE BUFFER STRIPS OR ANY APPROPRIATE COMBINATION OF MEASURES AS DICTATED B MONIVOUAL SITE CONDITIONS. IN DETERMINING YHETHER INSTALLING A SEDIMENT BASIN IS INFEASIBLE, PERMITTEES M CONSIDER PUBLIC SAFETY AND MAY CONSIDER FACTORS SUCH AS SITE SOLS, SILOPE, AND AVAILABLE AREA ON-SITE. PERMITTEES MUST DOCUMENT THIS DETERMINATION OF INFEASIBLITY INTE SAYPP, (MINN.R. 7090] D BT S MUST

15.1 PERMANENT STORMWATER TREATMENT SYSTEM, (MINN, R, 7090]

TIS 2 PERMITTEES MUST DESIGN THE PROJECT SO ALL STORMWATER DISCHARGED FROM THE PROJECT DURING AND AFTER CONSTRUCTION ACTIVITIES DOES NOT CAUSE A VIOLATION OF STATE WATER CUALITY STANDARDS, INCLUDING NUISANCE CONDITIONS, ENGISION IN RECEIVING CHANNELS OR ON DOWNSLOPE PROPERTIES, OR A SIGNIFICANT ADVERSE IMPACT TO WETLANDS CAUSED BY INUNDATION OR DECREASE OF FLOW, (MINN, R. 7090]

TISJERGEN GROUPS AND AND CONSTRUCT A PERMANENT STORMWATER TREATMENT SYSTEM TO TREAT THE WATER QUALITY VOLUME IF THE PROJECTS ULTIMATE DEVELOPMENT REPLACES VEGETATION AND/OR OTHER PERVIOUS SURFACES CREATING A NET INCREASE OF ONE (1) OR MORE ACRES OF CUMULATIVE IMPERVIOUS SURFACE, (MINN, R. 7050) 15.4 PERMITTEES MUST GALCULATE THE WATER QUALITY VOLUME AS ONE (1) INCH TIMES THE NET INCREASE OF IMPERVIOUS SURFACES CREATED BY THE PROJECT. (MINN. R. 7090)

SURFACES CREATED BY THE PROJECT, IMMAR. R. (1991) TIS, PERMITES MUST FIRST CONSIDER VOLUME REDUCTION PRACTICES ON SITE (E.G., INFILTRATION OR OTHER) WHEN DESIGNING THE PERMANENT STORMWATER TREATMENT SYSTEM, IF THIS PERMIT PROHIBITS INFILTRATION AS DESCRIBED IN ITEM 16.14 THROUGH ITEM 16.21, PERMITTEES MAY CONSIDER A WET SEDIMENTATION BASIN, FILTRATION BASIN OR REGIONAL PORD. THIS PERMIT DOES NOT CONSIDER WET SEDIMENTATION BASIN, SAND FILTRATION SYSTEMS TO BE VOLUME REDUCTIONAL

RACTICES, MINN, R. 70901 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)

UNITED FRANKTERS MUST DISCHARGE THE WATER QUALITY VOLUME TO A PERMANENT STORMWATER TREATMENT SYSTEM PRIOR TO A SUFFACE TO A SUFFACE WATER. FOR PURPOSES DRIVENT STORMWATER TREATMENT SYSTEM DRAINGE SYSTEMS THAT CONVEY STORMWATER TO A PERMANENT STORMWATER TREATMENT SYSTEM. [MIN. R. 7090] IS A WHERE THE PROXIMITY TO BEDROCK PRECLUDES THE INSTALLATION OF ANY OF THE PERMANENT STORMWATER TREATMENT PRACTICES REQUIRED BY SECTIONS 15 THROUGH 19, PERMITTEES MUST INSTALL OTHER TREATMENT SUCH AS GRASSED SWALES, SMALLER PONDS, OR GRIT CHAMBERS, PRIOR TO THE DISCHARGE OF STORMWATER TO SURFACE WATERS, IMIN. R. 7990]

WATERS, [MINN, R. 789] 15.9 FOR LINEAR PROJECTS WHERE PERMITTEES CANNOT TREAT THE ENTIRE WATER QUALITY VOLUME WITHIN THE EXISTING IGHT-OF-MAY, PERMITTEES MUST MAKE A REASONABLE ATTEMPT TO DETAIN ADDITIONAL RIGHT-OF-WAY, EASTMENT OR OTHER REMISSION FOR STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT OF STORMWA PERMITTEES AND STATUS AND ADDITIONAL RIGHT-OF-WAY. EASTMENT AND ADDITIONAL RIGHT AND ADDITIONAL RIGHT-OF ADDITIONAL RIGHT-OF ADITIONAL RIGHT-OF HERMINESTORMAN ADDITIONAL RIGHT AND ADDITIONAL RIGHT-OF ADDITIONAL RIGHT-OF ADITIONAL RIGHT-OF HERMINESTORMAN ADDITIONAL RIGHT AND ADDITIONAL RIGHT-OF ADITIONAL RIGHT ADDITIONAL RIGHT ADDITIONAL RIGHT ADDITIONAL RIGHT ADDITIONAL RIGHT ADDITIONAL RIGHT ADD

10.2 INTELEMENTION OF TONS INCLUDE, BUT ARE NOT LIMITED TO: INFILTRATION BASINS, INFILTRATION TRENCHES, RAINWATER GARDENS, BIORTENTION AREAS WITHOUT UNDERDRAINS, SWALES WITH IMPERMEABLE CHECK DAMS, AND MATURAL DEPRESSIONS. IF PERMITTEES UTILIZE AN INFILTRATION SYSTEM TO MEET THE REQUIREMENTS OF THIS PERMIT, THEY MUST INCOMPORATE THE DESIGN PARAMETERS IN THEM 153 THROUGH TEM 16.21, PERMITTEES MUST FOLLOW THE INFILTRATION PROMIBITION IN THEM 16.14 ANYTIME AN INFILTRATION SYSTEM IS DESIGNED, INCLUDING THOSE MOT REQUIRED BY THIS PERMIT. [MIN. R. 7090]

. Communications (1997) 16.3 Permittees Must design Inflittration 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).

15.5 WHEN EXCAVATING AN INFLETRATION 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, IMINN, R. 7090]

AREA., MINN, K. 7990) IES, PERNITES MUST USE A PRETREATMENT DEVICE SUCH AS A VEGETATED FILTER STRIP, FOREBAY, OR WATER QUALITY INLET (E.G., GRIT CHAMBER) TO REMOVE SOLDS, FLOATING MATERIALS, AND OIL AND GREASE FROM THE RUNOFF, TO THE MAXIMUM EXTENT PRACTICABLE, BEFORE THE SYSTEM ROUTES STORMWATER TO THE INFILTRATION SYSTEM. (MINN, R. 7990) MAXIMUM EXTENT PRACTICABLE, BEFORE THE SYSTEM KOUTES STORMMALEN TO THE INFILTATION STATEM, TIMINE, E. 700 IE.7. PERMITTES 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 STORMWATER TREATED BY ANOTHER SYSTEM ON THE SITE, FROM THE NET INCREASE OF MIFERIOUS SURFACES CREATED BY THE PROJECT. (MINN, R.

16.8 PERMITTEES MUST DESIGN THE INFILTRATION SYSTEM TO DISCHARGE ALL STORMWATER INCLUDING STORMWATER IN 154 PEXAMITIES MUST DEMONTHEINFILINGUOUTED TO THE STEIN TO DISCHMINGE ALL STUDIERINGS DEMONSTRATES AND RECERSS OF THE WATER QUALITY VOLUME) AUTOED TO THE STEIN THROUGH THE OPERANGS OUL SUBFACE OR ENGINEERED MEDIA SUBFACE WITHIN & HOURS, REQUEL TO THE STEIN THROUGH ASTAGLI SUBFACE OR WITHIN 48 HOURS TO ETYASS THE STATEM THROUGH ASTAGLIZED DISCHARGE ONT. MINH, R. 7090)

16.9 PERMITTEES MUST PROVIDE A MEANS TO VISUALLY VERIFY THE INFILTRATION SYSTEM IS DISCHARGING THROUGH SOIL SURFACE OR FILTER MEDIA SURFACE WITHIN 48 HOURS OR LESS, [MINN, R, 7090] 16.10 PERMITTEES MUST PROVIDE AT LEAST ONE SOLL BORN, TEST PIT OR INFL TOWN INFILTRATION PRACTICE FOR DETERMINING INFILTRATION RATES. [MINK, R, 1592]

16.12 PERMITTEES MUST EMPLOY APPROPRIATE ON SITE TESTING (INSURE A MINIMUM OF THREE (3) FEET OF SEPARATION FROM THE SEASCHALLY SATURATED SOILS (OR FROM BEDROCK) AND THE BOTTOM OF THE PROPOSED INFILTRATION SYSTEM (MINN R. 7090)

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

16/14 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS THAT RECEIVE RUNOFF FROM VEHICLE FUELING AND MAINTENANCE AREAS INCLUDING CONSTRUCTION OF INFILTRATION SYSTEMS NOT REQUIRED BY PERMIT, MINN, R. 70901

FEMILY INITIALS, 1999) (F15) THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS WHERE INFILTRATING STORMWATER MAY MOBILIZE HIGH LEVELS OF CONTAMINATES IN SOLI OR GROUNDWATER, PERMITTEES MUST EITHER COMPLETE THE MPCA'S CONTAMINATION SCREENING CHECKLIST OR CONDUCT THEIR OWN ASSESSMENT TO DETERMINE THI SUITABILITY FOR INFILTRATION, PERMITTEES MUST RETAIN THE CHECKLIST OR ASSESSMENT WITH THE SWIPP, FOR MORE INFORMATION AND TO ACCESS THE MPCA'S CONTAMINATION SCREENING CHECKLIST. MANUAL, [MINN, R, 7090]

MARUAL, IMININ, R. (2001) IG, 16 THIS FERMIT PROHIDTS 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 SOLLS TO SLOW THE INFILTRATION RATE BELOW \$3.1 NICHES PER HOUR, [MINN, 7050]

16.17 THIS FERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS IN AREAS WITH LESS THAN THREE (3) FETO IS SERVATION DISTANCE FROM THE BOTTOM OF THE INFILTRATION SYSTEM TO THE ELEVATION OF THE SEASONALLY SATURATED SOILS OR THE TOP OF BEDROCK. (MINN, R. 7090)

16,10 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFLITATION SYSTEMS IN AREAS OF PREDOMINATELY HYDROLOGIC SOIL GROUP TYPE D SOILS (CLAY). (MINN. R. 7090)

16.19 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS WITHIN A DRINKING WATER SUPPLY MANAGEMENT AREA (DWSMA) AS DEFINED IN MINN. R. 4720.5100, SUBP. 13, IF THE SYSTEM WILL BE LOCATED: A. IN AN EMERGENCY RESPONSE AREA (ERA) WITHIN A DWSMA CLASSIFIED AS HAVING HIGH OR VERY HIGH VULNERABILITY AS DEFINED BY THE MINNESOTA DEPARTMENT OF HEALTH; OR

C. OUTSIDE OF AN ERA WITHIN A DWSMA CLASSFIED AS HAVING HIGH OR VERY HIGH VULNERABILITY, UNLESS A REGULATED M34 PERMITTEE PERFORMED OR APPROVED A HIGHER LEVEL OF ENGINEERING REVIEW SUFFICIEL PROVIDE A FUNCTIONING TREATMENT SYSTEM AND TO FREVEN TAVERSE IMPACTS TO GROUNDWATER.

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

18.20 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. 7039]

TO TANGULARI UN TO THE LOUTING ADJUST ALL THE AND/OT FEATURES, [IMMRR. 1/1991] Téa 11 His persant prohimists permittes from Constructing inflictation systems in AREAS THAT RECEIVE RUNOFF FROM THE FOLLOWING INDUSTRIAL FACILITIES NOT AUTHORIZED TO INFLICTATE STORMWATER UNDOR THE NPDES STORMWATER PERMIT FOR INDUSTRIAL FACILITIES NOT AUTHORIZED TO INFLICTATE STORMWATER UNDOR THE NPDES STORMWATER PERMIT FOR INDUSTRIAL ACTIVITIES. AUTONOBILE SALVAGE VARDS, SCAPA RECYCLING AND WASTE RECYCLING FACILITIES; HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES; OR AIR TRANSPORTATION FACILITIES THAT CONDUCT DEICING ACTIVITIES. JIMINR. 7090]

SYSTEM. MINN. R. 7090

19.1 REGIONAL WET SEDIMENTATION BASINS. [MINN. R. 7990] 19.2 WHEN THE ENTRE WATER QUALITY VOLUME CANNOT BE RETAINED ONSITE, PERMITTEES CAN USE OR CREATE REGIONAL WET SEDIMENTATION BASINS PROVIDED THEY ARE CONSTRUCTED BASINS, NOT A NATURAL WETLAND OR WATER BODY, (WETLANDS USED AS REGIONAL BASINS MUST DE MITIGATED FOR, SEE SECTION 20, THE ON EVENTIME REGIONAL BASIN CONFORMS TO ALL EGUNATION TO THE ONE SEE SECTION 20, THE ON DESIDINGTIES THE THE SEDIMENT ON A SIMPLY OF THE AND THE SECTION 20, THE ONE DESIDING THE THE BASIN CONFORMS TO ALL EGUNATION OF THE ONE OF THE SECTION 20, THE ONE DATEMATICS HERMITTEES MUST VERFY THAT THE REGIONAL BASIN WILL DISCHARGE AT NO MORE THAN 580 CFB RACRE OF SURFACE AREA OF THE BASIN AND MUST PROVIDE A LUE STORAGE VOLUME OF ONE UNCH THES ALL THE IMPERVIOUS AREA DARINING TO THE BASIN, PERMITTEES CANNOT SIGNIFICANTLY DEGRADE WATERWAYS BETWEEN THE PROJECT AND THE REGIONAL BASIN, THE OWNER MUST DETAIN WILL DIFOND FROM THE AUTOMORY THE AND THE REGIONAL BASIN, THE OWNER MUST DETAIN WITH AUTOMORY AND THE REGIONAL BASIN, THE DEGINER MUST DEGRADE WATERWAYS BETWEEN THE PROJECT AND THE REGIONAL BASIN, THE DEGINAL BASIN, LINGUNAL AUTOMORY ADDITION FROM THE APPLICABLE LGU OR PRIVATE ENTITY THAT OWNS AND MAINTAINS THE REGIONAL BASIN. (MINN. R. 7090) 19.1 REGIONAL WET SEDIMENTATION BASINS, [MINN, R, 7090]

20.1 SWPPP AVAILABILITY, (MINN. R. 7090)

21,1 TRAINING REQUIREMENTS, [MINN. R. 7090]

AS DEFINED BT THE INITIAL OUTPAINTER ON THE ALITY ON THE ALITY ON LESS A REGULATED MS4 PERMITTEE PERFORMED OR APROVED A HIGHER LEVEL OF ENGINEERING REVIEW SUFFICIENT TO PROVIDE A FUNCTIONING TREATMENT SYSTEM AND TO PREVENT ADVERSE IMPACTS TO GROUNDMATER; OR

17.1 FILTRATION SYSTEMS. [MINN. R. 7090]

ILTRATION OPTIONS INCLUDE, BUT ARE NOT LIMITED TO: SAND FILTERS WITH UNDERDRAINS, BIOFILTRATION AREAS, ES USING UNDERDRAINS WITH IMPERMEABLE CHECK DAMS AND INDERGEDRING SAND EN THE SAND FILTER IN THE SAND FILTER IN 172 FILTRATION OPTIONS INCLUDE, BUT RIKE NOT LUMITED TO: SAND FILTENS WITH ONDERLOADING INCLUDE TON ANCAS, SWALES USING UNDERDRAINS WITH IMFERMENALE CHECK DAMS AND UNDERROUND SAND FILTENS. IF FERMITITES UTLILEE A FILTRATION SYSTEM TO MEET THE PERMANENT STORMWATER TREATMENT REQUIREMENTS OF THIS PERMIT, THEY MUST COMPLY WITH THEMS 17.3 THROUGH 17.11, MINN. R. 7090

COMPLY WITH ITEMS 17.3 INROUGH 17.1. (MINN.K. JUNU) 17.3 PERMITTEES MUST NOT INSTALL FILTER MEDIA UNTI. THEY CONSTRUCT AND FULLY STABILIZE THE CONTRIBUTING DRAIMAGE AREA UNLESS THEY PROVIDE RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS (E.G., DIVERSION BERMS) TO KEEP SEDIMENT AND PUNDEF COMPLETELY AWAY FROM THE FILTRATION AREA. (MINN. R. 7080) 17.4 PERMITTEES MUST DESIGN FILTRATION SYSTEMS TO REMOVE AT LEAST 80 PERCENT OF TSS. [MINN. R. 7090]

TIS SPERIFICES MUST LEMONT RETAINED TO TERMOVE ALL LEAS IN VERTICES IN UP REVECTION OF (SS. (MINN, R. 7009) TIS SPERIFICES MUST USE A PRETREATMENT DEVICE SUCH AS A VEGETATED FLITER STRIP, SMALL SEDIMENTATION BASIN, WATER QUALITY INLET, FOREBAY OR HYDRODYNAMIC SEPARATOR TO REMOVE SETTLEABLE SOLIDS, FLOATING MATERIALS, AND QUS AND GREASE FROM THE RUNOFF, TO THE MAXIMUM EXTENT PRACTICABLE, BEFORE RUNOFF ENTERS THE FILTRATION SYSTEM. (MINN, 7.098)

FILTRATION 5/3/Em. (1997) 17.6 PERMITTEES MUST DESIGN FILTRATION SYSTEMS TO TREAT A WATER QUALITY VOLUME (CALCULATED AS AN INSTANTANEOUS VOLUME) OF ONE (1) NOCH OF RUNOFF, OR ONE (1) INCH MINUS THE VOLUME OF STORMWATER TREATED BY A MOTHER SYSTEM ON THE SITE, FROM THE NET INCREASE OF IMPERVIOUS SURFACES CREATED BY THE PROJECT, (MINN. R.

177 PERMITTEES MUST DESIGN THE FILTRATION SYSTEM TO DISCHARGE ALL STORMYATER (INCLUDING STORMWATER IN EXCESS OF THE WATER QUALITY VOLUME) ROUTED TO THE SYSTEM THROUGH THE UPPERMOST SOIL SUBFACE OR ENGINEEREED MERIA SUBFACE OR WITHIN 48 HOURS, ADDITIONAL FLOWS THAT THE SYSTEM CANNOT FILTER WITHIN 48 HOURS MUST BYPASS THE SYSTEM OR DISCHARGE THROUGH AN EMERGENCY OVERFLOW, (MINN, R. 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)

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

18,1 WET SEDIMENTATION BASIN. [MINN. R. 7090]

18.2 PERMITTEES USING A WET SEDIMENTATION BASIN TO MEET THE PERMANENT STORMWATER TREATMENT REQUIREMENTS OF THIS PERMIT MUST INCORPORATE THE DESIGN PARAMETERS IN ITEM 18.3 THROUGH 18.10. [MINN, R, 7090]

18.3 PERMITTEES MUST DESIGN THE BASIN TO HAVE A PERMANENT VOLUME OF 1,800 CUBIC FEET OF STORAGE BELOW THE OUTLET PIPE FOR EACH ACRE THAT DRAINS TO THE BASIN, THE BASIN'S PERMANENT VOLUME MUST REACH A MINIMUM DEPTH OF AT LEAST THREE (3) FEET AND MUST HAVE NO DEPTH GREATER THAN 10 FEET, PERMITTEES MUST CONFIGURE THE BASIN TO MINIMES SCOUR OR RESUSPENSION OF SOLIDS, (MINN, R. 7000)

PAOH TO MINIMLE SUUUR OK RESUBPERISING OF SOLUDS, IMMR, K. (709) 18.4 PERMITESE MUST DEGISION THE BASIN TO PROVIDE LIVES TORAGE FOR A WATER QUALITY VOLUME (CALCULATED AS AN INSTANTANEOUS VOLUME) OF ONE (1) INCH OF RUNOFF, OR ONE (1) INCH MINUS THE VOLUME OF STORMWATER TREATED BY ANOTHER SYSTEMO NTHE SINE, FROM THE NET INCREASE IM IMPERVIOUS SURFACES CREATED BY THE PROJECT. [MIN. R.

18.5 PERMITTEES MUST DESIGN BASIN OUTLETS SO THE WATER QUALITY VOLUME DISCHARGES AT NO MORE THAN 5.66 CUBIC FEEY PER SECOND (CFS) PER ACRE OF SURFACE AREA OF THE BASIN, IMINN, R. 70901 18.8 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 FXCESS OF THE BASIN'S HYDRALLIC DESIGN. IMINN. R. 70901

18,8 PERMITTEES MUST DESIGN A MAINTENANCE ACCESS, TYPICALLY EIGHT (8) FEET WIDE, FOR THE BASIN. [MINN. R. 7080] ISST FEMALES MUST LOCATE BASINS OUTSIDE OF SURFACE WATERS AND ANY BUFFER ZONE REQUIRED IN ITEM 23.11. PERMITTEES MUST DOESION BASINS TO AVOID DRAINING WATER FROM WEITLANDS UNLESS THE IMPACT TO THE WEITLAND COMPLIES WITH THE REQUIREMENTS OF SECTION 22, MINN. R. 7000]

18.10 PERMITTEES MUST DESIGN BASINS USING AN IMPERMEABLE LINER IF LOCATED WITHIN ACTIVE KARST TERRAIN. (MINN. R. 7090)

2022 PERMITTERS MUST KEEP IN SWYPP, 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, IMINN, R. 7000]

12 PERMITTEES MUST ENSURE ALL OF THE FOLLOWING INDIVIDUALS RECEIVE TRAINING AND THE CONTENT AND EXTENT OF THE TRAINING IS COMMENSURATE WITH THE INDIVIDUAL'S JOB DUTIES AND RESPONSIBILITIES WITH REGARD TO ACTIVITIES JOVERED UNDER THIS PERMIT:

A. INDIVIDUALS PREPARING THE SWPPP FOR THE PROJECT.

A, INDIDUCES PREFAMING THE UPPENDING THE MEMORY AND A MEM

C INDIVIDUALS PERFORMING OR SUPERVISING THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS. (MINN, R, 7090) C. INVINUOUS PERFORMING VERY STREAM OF THE INVICES THE REAL RECEIVE TRAINING FORM LOCAL, STATE, FEDERAL AGENCIES, FHORESSIONAL ORGANIZATIONS, OR OTHER ENTITIES WITH EXPERTISE IN EROSION PREVENTION, SEDIMENT CONTROL, FERMANENT STORMWATER TREATMENT AND THE MINNESOTA NPDES/SOS CONSTRUCTION STORMWATER VERM PERMITTEEM MUST ENSURE THESE INDIVIDUALS ATTEND A REFRESHENTRAINING COURSE EVERY THREE (3) YEARS, (MINN

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

ALL CHARMACE TRAVELOWING (JIMMITATION) AND A LARGE AND 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 122.23(B)(3), [40 CFR 122.29(B)(3)]

24.5 PERMITTEES 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 THIREE (3) DAYS UPON REQUEST FOR THE DURATION OF THE PERMIT AND FOR THREE (3) YEARS FOLLOWING THE NI (NINN, R. 709)

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]

INE APPLICABLE REQUIREMENTS OF ITEM 3.7 AND 3.8. (MINN, R. 700) 24.7. NOTHING IN THIS PERMIT MUST BE CONSTRUED TO RELIEVE THE PERMITTEES FROM CIVIL OR CRIMINAL PENALTIES FOR NORCOMPLANCE WITH THE TERMS AND CONDITIONS PROVIDED HEREIN, NOTHING IN THIS PERMIT MIST BE CONSTRUED TO PRECLUDE THE INITIATION OF ANY LEGAL ACTION OR RELIEVE THE PERMITTEES FROM ANY RESPONSIBULTIES, LABILITIES, OR PENALTES TO WHICH THE PERMITTEES INARC OR ANY BE SUBJECT TO UNDER SECTION 311 OF THE CLEAN WATER ACT AND MINN, STAT. SECT. 115 AND 116, AS AMENDED, PERMITTEES AR NOT LIABLE FOR PERMIT REQUIREMENTS FOR ACTIVITIES COURTING ON THOSE PORTIONS OF A SITE WHICH THES THE NOT ANSFERRED TO ANY OTHER PARTY AS REQUIRED IN TEM 3.7 OR THE PERMITTEES HAVE SUBMITTED THE NOT AS REQUIRED IN SECTION 4.700) 4.8 THE PROVINCENT BERMIT ARE SEVERABLE IE AND PERMINIFED THE NOT AS REQUIRED IN SECTION 4.700)

24.8 THE PROVISIONS OF THIS PERMIT ARE SEVERABLE. IF ANY PROVISION OF THIS PERMIT OR THE APPLICATION OF ANY PROVISION OF THIS PERMIT TO ANY CIRCUMSTANCES IS HELD INVALID, THE APPLICATION OF SUCH PROVISION TO OTHER CIRCUMSTANCES, AND THE REMANDER OF THIS PERMIT MUST NOT BE AFFECTED THEREBY, MINN, R. 7090] 24,9 THE PERMITTEES MUST COMPLY WITH THE PROVISIONS OF MINN. R, 7001,0150, SUBP, 3 AND MINN. R, 7001,1090, SUBP, 1(A), 1(B), 1(C), 1(H), 1(J), 1(J), 1(K), AND 1(L), (MINN. R, 7090)

1(B), 1(C), 1(T), 1(D), 1(D), 1(D), AND 1(L), IMMAY, R, 7040) 24,10 THE FEMITTEES MUST ALLOW ACCESS AS PROVIDED IN 40 CFR 122.41(I) AND MINN, STAT. SECT. 115.04. THE PERMITTEES MUST ALLOW REPRESENTATIVES OF THE MPCA OR ANY MEMBER, EMPLOYEE OR AGENT THEREOF, WHEN AUTHORIZED BY IT, UPON PRESENTATION OF CREDENTIALS, TO ENTER UPON ANY PROPERTY, PUBLIC OR PRIVATE, FOR THE PURPOSE OF OBTAINING INFORMATION OR EXAMINATION OF RECORDS OR CONDUCTING SURVEYS OR INVESTIGATIONS. (40

24.11 FOR THE PURPOSES OF MINN, R. 7099 AND OTHER DOCUMENTS THAT REFERENCE SPECIFIC SECTIONS OF THIS PERMIT. "STORMWATER DISCHARGE DESIGN REQUIREMENTS" CORRESPONDS TO SECTIONS 5, 6 AND 4 THROUGH 21, "CONSTRUCTION ACTIVITY REQUIREMENTS" CORRESPONDS TO SECTIONS 7 THROUGH 13, AND "APPENDIX A" CORRESPONDS TO SECTIONS 22 AND 23, MINN, R. 7090]

PLOWE TT6 LAKE DRIVE SUITE 110 INO LAKES, MN 550 PHONE: (651) 361-821 FAX: (651) 361-870 RAWN BY: CHECK B AG CWP DB NO: 22-2043 DATE: 02/15/2 14 m + 10 b m A **KEE** AMA DITION ADI **ST FOURTH** / LAKE, MINNESOTA T EAST HAM LAKE SWPF ST OF H OR 5 Ш, EN HIDD

SHEET C3.1

PROJECT NAME HIDDEN FOREST EAST FOURTH ADDITION

PROJECT LOCATION " NO ASSIGNED ADDRESS " STUTZ ST NE @ 145TH AVE NE

(EAST OF LEXINGTON HAM LAKE, MN 55304 ANOKA COUNTY LATITUDE: 45,23986 LONGITUDE: -93,1387

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

CONTACT NAME: CONTACT PHONE: CONTACT E-MAIL: JEFF STALLBERGER (612) 779-1471

GENERAL CONTRACTOR

NARRATIVE - PERMANENT STORMWATER TREATMENT SYSTEMS SEVERAL PONDS ARE PROPOSED TO MEETING STORMWATER MANAGEMENT REQUIREMENTS. SEE "STORMWATER DRAINAGE REPORT" FOR FURTHER DISCUSSION

SITE IMPERVIOUS AREAS		
	BEFORE	AFTER CONSTRUCTION
TOTAL SITE AREA	100±.	ACRES
TOTAL ESTIMATED IMPERVIOUS	4.3 ACRES	13.6 ACRES
TOTAL ESTIMATED PERVIOUS	9,3 ACRES	86.4 ACRES

TOTAL DISTURBED AREA 36.9 ACRES

SITE MAP WI EXISTING AND FINAL GRADES AND DESIGN CALCULATIONS

SEE "STORNWATER DRAINAGE REPORT" FOR EXISTING AND PROPOSED AREA MAPS, DENOTING DRAINAGE AREA BOUNDARIES, DIRECTIONS OF FLOW, AND DISCHARGE POINTS WHERE STORWATER LEAVES THE SITE.

RECEIVING WATERS WITHIN ONE MILE

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

BUFFER TO SURFACE WATER

LINEAR OF A SUFFACE WATER, IS A 50-FT NATURAL BUFFER ADJACENT TO YES NO NA THE SURFACE WATER PRESERVED?

- NOTE: NATURAL BUFFERS ARE NOT REQUIRED ADJACENT TO ROAD DITCHES, TUDDICIAL DITCHES, COUNTY DITCHES, STORMWATER CONVEYANCE CHANNE STORM DRAIN INLETS, AND SEDIMENT BASINS.
 - TORM DRAIN INLETS, AND SEDIMENT BASINS. A) THERE ARE NUMEROUS WETLANDS ON THE SITE FROM WHICH A 50-FT NATURAL BUFFER CANNOT BE PRESERVED. REDUNDANT SEDIMENT CONTROL MEASURES ARE PROVIDED IN THOSE LOCATIONS.

TEMPORARY SEDIMENTATION BASINS

TEMPORAR I SEMILITATION PROVIDENT AND A COMMON SURFACE WATERS

A) BECAUSE THIS SITE IS WITHIN ONE (1) MILE OF AN IMPAIRED WATER, THE REQUIREMENT BECOMES FIVE IS ACRES. THE CONTRACTOR WILL PROVIDE BECAUSE INIS SITE IS WITHIN UNE LI MILE OF AN IMPAINED WATER, THE REQUIREMENT BECOMES FIVE (S) ACRES. THE CONTRACTOR WILL PROVIDE TEMPORARY SEDIMENTATION BASINS IF FIVE (S) OR MORE ACRES OF DISTURBED SOIL DRAIN TO A COMMON LOCATION.

INFILTRATION FEASIBILITY

- ARE THERE ANY INFILTRATION RESTRICTIONS FOR THE SITE (SEE 16.14
 - A) THE SITE HAS A HIGH SEASONAL WATER TABLE SO INFILTRATION IS NOT FEASIBLE IN ALL LOCATIONS.

ADDITIONAL STORMWATER MITIGATION MEASURES

- YES NO . ENVIRONMENTAL DEVICE ACCOUNTS
 - - ENDANGERED SPECIES REVIEW? ARCHAEOLOGICAL REVIEW?
 - OTHER LOCAL, STATE OR FEDERAL REVIEW?

UTIER LOVAL, STATE OR PEDERAL REVENT?
 IF YES TO ANY OF THE ABOVE, DESCRIBE THE MITIGATION MEASURES. FOR PURPOSES OF THIS PERMIT, MITIGATION MEASURES MEANS ACTIONS NECESSARY TO AVOID, MINIMIZE, OR MITIGATE FOR IMPACTS RELATED TO EROSION PREVENTION, SEDMENT CONTROL, THE PERMANENT STORMWATER TREATMENT SYSTEM, POLLUTION PREVENTION MANAGEMENT MEASURES AND DISCHARGES ASSOCIATED WITH THE PROJECT'S CONSTRUCTION ACTIVITY. (MINN. R. 7090)

DOCUN	ENTATION OF TRAINED INDIVIDUALS
Α.	INDIVIDUAL WHO PREPARED THE SWPPP:
	ADAM GINKEL

PLOWE ENGINEERING, INC. 6776 LAKE DRIVE LINO LAKES MN 55014 (651) 361-8234 adam@plowe.com

B. INDIVIDUAL(\$) OVERSEEING IMPLEMENTATION OF, REVISING AND/OR AMENDING THE SWAPP 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. [MINN.R.7050] NAME

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

C. INDIVIDUAL(S) PERFORMING OR SUPERVISING THE INSTALLATION, MAINTENANCE AND REPAIR OF BMPS. (MINN. R. 7099)

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

LONG TERM OPERATION AND MAINTENANCE OF PERMANENT STORMWATER FACILITIES

THE PROPOSED STORMWATER MANAGEMENT FEATURES FOR THIS SITE INCLUDES STORMWATER PONDS - THESE WILL BE OPERATED AND MAINTAINED BY THE CITY OF HAM

REVEGETATION SPECIFICATIONS

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

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

** SEEDED AREAS SHALL BE EITHER MULCHED OR COVERED BY FIBROUS BLANKETS

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)		ACRE
ROCK CONSTRUCTION ENTRANCE		EACH

NARRATIVE - TIMING FOR INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES

NARRATIVE - TIMING FOR INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES 1. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND SWPPP MUST BE AVAILABLE ON THE PROJECT SITE AT ALL TIMES 2. CONTRACTOR SHALL INSTALL THE PROJECT SITE AT ALL TIMES 3. CONTRACTOR SHALL INSTALL THE PROJECT SITE AT ALL TIMES 4. CONTRACTOR SHALL INSTALL THE PROJECT SITE AT ALL TIMES 4. CONTRACTOR SHALL INSTALL AND THE SITE FORCE NUCLUONG THE REMOVAL OF 2. CONTRACTOR SHALL MAINTAIN SITE FORCE NUCLUONG THE REMOVAL OF 2. CONTRACTOR SHALL MAINTAIN SITE FORCE NUCLUONG THE REMOVAL OF 3. CONTRACTOR SHALL MAINTAIL A ROCK CONSTRUCTION REMEANCE AT ALL LOCATIONS WHERE CONSTRUCTION THEFT WILL HERRENT SITE. 4. CONTRACTOR SHALL THE PROTECTION FENCING AS APPLICABLE 5. CONTRACTOR SHALL THERE OR STELETION FENCING AS APPLICABLE 5. CONTRACTOR SHALL THERE OR STELETION FENCING AS APPLICABLE 5. CONTRACTOR SHALL THERE ON THE ADDING ON AN AREA.BY AREA BASIS TO MINIMIZE UNSTABILIZED AREAS. 5.1. CONTRACTOR SHALL THEM FORM ON AN AREA.BY AREA BASIS TO MINIMIZE UNSTABILIZED AREAS. 5.1. CONTRACTOR SHALL CONTRACTOR STALL THEM AS OF THE PREMIT, AND COMPLETE THE STABILIZATION WITHIN SEVEN (TO CALENDAR ONS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE BITE TEMPORARLY ON PERMAMENTLY CEASES.

CEASES. 5.2. CONTRACTOR TO PROVIDE TEMPORARY SEDIMENTATION BASINS AS REQUIRED IN

- SECTION 14.1 T JGH 14.10
- SECTION 14.1 THROUGH 14.10. CONTRACTOR TO SHALL PAY SPECIAL ATTENTION TO ADJACENT PROPERTY LINES TO ENSURE THE EROSION CONTROL PRACTICES INPLACE IN THOSE AREAS PREVENT MIGRATION OF SEDIMENT ONTO ADJACENT PROPERTES. 7. ALL EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS OR IMPLEMENTED IN THE FILE SHALL BE IN ACCORDANCE WITH THE CITY AND MPDES
- PHASE II PERMIT REQUIREMENTS. CONTRACTOR TO PROVIDE ADDITIONAL SILT FENCE, BIOROLLS, EROSION CONTROL BLANKET, OR CTHER APPROVED EQUAL FOR ANY SLOPES THAT APPEAR TO BE
- FAILING FAILING 9. CONTRACTOR TO STABILIZE SOIL STOCKPILES; STABILIZATION SHALL BE INITIATED
- IMMEDIATELY CONTRACTOR SHALL FINAL GRADE SWALE AREAS UPON STABILIZATION OF UPSTREAM AREAS.
- UPSTREAM AREAS. 11. CONTRACTOR SHALL BE RESPONSIBLE TO SWEEP/SCRAPE ADJACENT STREETS WHEN MATERNALS OR DEBNIS HAVE WASHED/FLOWED ONTO ADJACENT STREETS OR AS DIRECTED BY CITY 12. COORDINATE SMALL UTILITIES INSTALLATIONS (GAS, PHONE, ELECTRIC, CABLE, FIBEROPTIC, ETC) AFTER CURB & GUTTRE INSTALLATION.

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 CCWD A MINIMUM OF SEVEN (7) DAYS PRIOR TO DEWATERING OPERATIONS.



"BEST MANAGEMENT PRACTICES (BMPS)" MEANS THE MOST EFFECTIVE AND PRACTICABLE MEANS OF EROSIGN PREVENTION AND SEDIMENT CONTROL, AND WATER QUALITY MANAGEMENT PRACTICES THAT ANE THE MOST EFFECTIVE AND PRACTICABLE MEANS OF TO CONTROL, PREVENT, AND MINIMIZE DEGRADATION OF SURFACE WATER, NCLUDING AVODANCE OF IMPACTS, CONSTRUCTION-PHASING, MIMIMIZIN OTHEL ENOTH OF TIME SOLL AREAS AND CONSENT FOR CONSENTION PREVENTION THROUGH GOOD HOUSEKCEPING, AND OTHER MANAGEMENT PRACTICES PUBLISHED BY STATE OR DESIGNATED AREA'AYDE PLANNING AGENCIES, (MINN, R, 7990)

GOOD HOUSE KEEPING, AND OTHER MANAGEMENT PRACTICES PUBLISHED BT STATE OR DESIGNATED CREATIVIDE PLANING GAENCIES, HIMINR, T. 7090 "CONSTRUCTION ACTIVITY" MEANS ACTIVITIES INCLUDING CLEARING, GRADING, AND EXCANATING, THAT RESULT IN LAND DISTURBANCE OF FOLIAL-TO OR GREATER THAN ONE ACRE, INCLUDING THE DISTURBANCE OF LESS THAN ONE ACRE OF TOTAL LAND AREA THAT IS PART OF A LARGER COMMON FLAN OF DEVELOPMENT ON SALE IF THE LARGER INCLUDES A DISTURBANCE OF ULSS THAN ONE ACRE. OF TOTAL LAND AREA THAT IS PART OF A LARGER COMMON FLAN OF DEVELOPMENT ON SALE IF THE LARGER INCLUDES A DISTURBANCE OF ULSS THAN ONE ACRE. OF STOTAL AND AREA THAT IS PART OF A LARGER COMMON FLAN OF DEVELOPMENT ON SALE IF THE LARGER INCLUDES A DISTURBANCE OF ULSS, THAN ONE ACRE. THIS DISTURBANCE TO THER, INCLUDE ADUAL TO OK GREATER THAN ONE ACRE. THIS DISTURG SOLI. TOPOGINAPHY THAT MAY RESULT IN ACCELERATED STORMWATER RUNOFF THAT MAY LEAD TO SOLE REGIONA NON MOXEMENT OF SEDIMENT. CONSTRUCTION ACTIVITY DOES NOT INCLUDE A DISTURBANCE TO THE LAND OF LESS THAN FIVE ACRES FOR THE PURPOSE OF ROUTHE MANITENANCE PERFORMED TO MANTIAN THE PACINT. RUITING MAINTENANCE DOES NOT INCLUDE ACTIVITES SUCH ASE REPARS, REPLACEMENT AND OTHER TYPES OF NON-ROUTINE BANATENANCE, PAVEMENT REHABILITATION THAT DOES NOT INCLUDE ACTIVITES SUCH ASE REPARS, REPLACEMENT AND OTHER TYPES OF NON-ROUTINE MANTENANCE, PAVEMENT REHABILITATION THAT DOES IN OT INCLUDE ACTIVITES SUCH ASE REPARS, DEVALUENCE MEANS THE REMOVAL OF SUPRACE OF GROWN WATER TO DAY AND/ OVERLAY PROJECTS) IN NOT CONSTRUCTION ACTIVITES JUCH AND AND THE NOTE OT DAY AND/ OVERLAY PROJECTS) IN NOT CONSTRUCTION ACTIVITES DUALS (S.G., MLL. AND OVERLAY PROJECTS) BIN TO CONSTRUCTION ACTIVIT. JUNCA NATEN NOTE OTAY AND/ OVERLAY PROJECTS) IN AND TON THAT DOES REGOVAL OF DY ADALGE OR OTHEN MATER NOTE, DAYEMENT

RENSION PREVENTION" REANS MEASURES EMPLOYED TO PREVENT EROSION SUCH AS SOIL STABILIZATION PRACTICES, PERMANENT COVER OR CONSTRUCTION PHASING. (MINN, R, 7090]

IMIN. R, 70901 "GENERAL CONTRACTOR" MEANS THE PARTY WHO SIGNS THE CONSTRUCTION CONTRACT WITH THE OWNER YO CONSTRUCT THE ENTIRE PROJECT DESCRIBED IN THE FINAL PLANS NO SPECIFICATIONS. WHERE THE CONSTRUCTOR PROJECT INVOLVES MORE THAN ONE CONTRACTOR. THE GENERAL CONTRACTOR IS THE PARTY RESPONSIBLE FOR MANAGING THE ENTIRE PROJECT ON BEALT OF THE OWNER SIGNS THE PARTY OWNER IS THE GENERAL CONTRACTOR. IN THESE CASES, THE OWNER SIGNS THE PERMIT OWNER IS THE GENERAL CONTACTOR. IN THESE CASES, THE OWNER SIGNS THE PERMIT OWNER IS THE GENERAL CONTACTOR. IN THESE CASES, THE OWNER SIGNS THE PERMIT OWNER IS THE GENERAL CONTACTOR. IN THESE CASES, THE OWNER SIGNS THE PERMIT OWNER IS THE GENERAL CONTACTOR. IN THESE CASES, THE OWNER SIGNS THE PERMIT OWNER IS THE GENERAL CONTACTOR. AND BECOMEST THE SOLE PERMITTEL, MINN. R. 70091 "GROUNDWATER" MEANS THE WATER CONTAINED BELOW THE SURFACE OF THE EARTH IN THE SATURATED ZONE INCLUDING. WITHOUT LIMITATION, ALL WATERS WHETHER UNDER CONFINED, UNCONFINED, OR PERCHED CONDITIONS, IN NEAR SURFACE UNCONSOLDED TO SEDIMENT OR REGOLTH, OR IN ROCK FORMATIONS DEEPER UNDERGROUND, (MINN. R. 7009) "OMOUNDED AND FACTS INFORMATION READ SURFACE UNDERGROUND, (MINN. R. 7009)

"HOMEOWNER FACT SHEET" MEANS AN MPCA FACT SHEET AVAILABLE ON THE MPCA CONSTRUCTION STORMMATER WEBSITE FOR PERMITTEES TO GIVE TO HOMEOWNERS AT THE TIME OF SALE, [MINN. R. 7080]

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

7890) "INITIATED IMMEDIATELY" MEANS TAKING AN ACTION TO COMMENCE SOIL STABILIZATION AS SOON AS PRACTICABLE, BUT NO LATER THAN THE END OF THE WORK DAY. POLLOWING THE DAY WHEN THE LIADADISTURBING ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE, IF THE PERMITTEES KNOW THAT CONSTRUCTION WORK ON THAT PORTION OF THE STEW VILL BET TEMPORARILY CEASES OF AN I AND MORE ADDITIONAL CALENDAR DAYS OR 7 CALENDAR DAYS WHERE ITEM 23.9 APPLIES. PERMITTEES CAN WINTER 5 CANNEL DATA THE ADDIS VITIATE STABILIZATION B

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

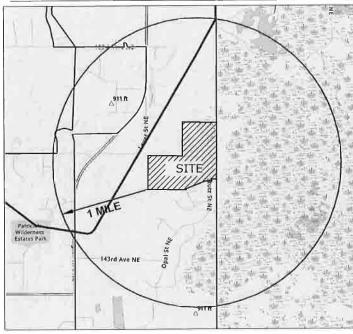
C. BLEINING ANY OF THE ACTIVITIES IN A ${\scriptstyle \times}$ C on a portion of the area to be stabilized, but not on the entire area; or E. FINALIZING ARRANGEMENTS TO HAVE STABILIZATION PRODUCT FULLY INSTALLED IN COMPLANCE WITH THE APPLICABLE

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

UBAULINE FUR COMPLETING STABLEATION, IMPRIMENT OWN IMPERVIOUS SURFACE' MANS A CONSTRUCTED HARD SURFACE THAT EITHER PREVENTS OR RETARDS THE ENTRY OF WATEN INTO THE SOL AND CAUSES WATER TO RUN OF THE SURFACE IN GREATE QUANTITES AND AT AN INCREASED RATE OF FLOW THAN FROR TO DEVELOPMENT, EXAMPLES INCLUDE ROOFTOPS, SIDEWALKS, DRIVEWAYTS, PARKING LOTS, AND COCKRETE, ASPALLT, OR GRAVEL ROADS BRIDGES OVEN SURFACE WATERS ARE CONSIDERED IMPERVIOUS SURFACES, IMINN. R. 7080] "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)" MEANS THE PROGRAM FOR ISSUING, MODIF'ING, REPOKING, REISSUING, TERMINATING, MONITORING, AND ENFORCING PERMITS UNDER THE CLEAN WATER ACT, AS AMENDED [33 U.S.C. 1251 ET SEG, SECTION 1342 AND 40 CFR PARTS 122, 123, 124 AND 450). [MINN. R. 7090] SEC, SECTION 132, AND 49 CHY PARIS 122, 123, 124 AND 490, IMMIN, N. 1999) "MATURAL, BUFFER "MEANS AN ARRA OF UNISTURBED COYER SURROUNDING SURFACE WATERS WITHIN WHICH CONSTRUCTION ACTIVITIES ARE RESTRICTED, NATURAL SUFFER NICLUBES THE VECTATION, EXPOSED ROCK, OR BARREN GROUND THAT EXISTS PRIOR TO COMMENCEMENT OF EARTH-DISTURBING ACTIVITIES, IMMN, R. 7896]

"NOTICE OF TERMINATION (NOT)" MEANS THE FORM (ELECTRONIC OR PAPER) REQUIRED FOR TERMINATING COVERAGE UNDER THE CONSTRUCTION GENERAL PERMIT. (MINN, R.

MAP OF SURFACE WATERS



NPDES DEFINITIONS

"OPERATOR" MEANS THE PERSON (USUALLY THE GENERAL CONTRACTOR), FIRM, GOVERNMENTAL ACENCY, OR OTHER ENTITY DESIGNATED BY THE OWNER WHO HAS DAY TO DAY OPERATIONAL, CONTROL AND/OR THE ABLINT YO MODIFY RED.4CT FLANS AND SPECIFICATIONS RELATED TO THE SWOPP, THE PERMIT APPLICATION MUST LIST THE OPERATOR AS A PERMITTES. SUBCONTRACTORS HIRED BY AND UNDER SUPERVISION OF THE GENERAL CONTRACTOR ARE NOT OPERATORS, (MINN. R. 7090) "OWNER" MEANS THE PERSON, FIRM, GOVERNMENTAL AGENCY, OR OTHER ENTITY POSSESSING THE TITLE OF THE LAND ON WHICH THE CONSTRUCTION ACTIVITIES WILL OCCUP OR, IF THE CONSTRUCTION ACTIVITY IS FOR A LEASE, ESSEMENT, OR MINERAL RIGHTS LICENSE HOLDER, THE PARTY OR INDIVIDUAL IDENTIFIED AS THE LEASE, EASEMENT OR MINERAL RIGHTS LICENSE HOLDER; OR THE CONSTRUCTION ACTIVITY AGENCY RESPONSIBLE FOR THE CONSTRUCTION ACTIVITY FIRM. R. 7090] ODEDMANEEMY CONFERNMENTICAL GOVERNMENT

PERMANENT COVER" MEANS SURFACE TYPES THAT WILL PREVENT SOIL FAILURE UNDER ERGSVE CLONGTRIONS, ELAMARILES INCLUE: GRAVIE, CLORETE, PERENALL COVER, DO PERMITEL CANDARIDE MATERIAL HAIT VILL PERMANENTLY ARREST SONL RAL COVER, DO PERMITEES MUST ESTABLE A UNIFORM PERENNAL VEGETATIVE COVER (LE, EVENILY DISTRIBUTED, WITHOUT LARGE BABE ARRAS) WITH A DEGIST OF DIFERCENT OF THE NATIVE BACKGROUND VEGETATIVE COVER ON ALL LARSN NOT COVERED BY PERMANENT STRUCTURES, DO REQUIVALENT FERMANENT STABLEATON MEASES NOT COVERED BY PERMANENT COVER DOES NOT INCLUDE CHEMORARY BMPS SUCH AS WOOD FIBER BLANKET, MULCH, AND ROLLES COSION CONTROL PRADUCTS, MINN. R. 7000]

PERMITTEES" MEANS THE PERSONS, FIRM, GOVERNMENTAL AGENCY, OR OTHER ENTITY DENTIFIED AS THE OWNER AND OPERATOR ON THE APPLICATION SUBMITTED TO THE MPCA AND ARE RESPONSIBLE FOR COMPLIANCE WITH THE TERMS AND CONDITIONS O THIS PERMIT. [MINN. R. 7090]

THE FLOAT LEMAN ALL CONSTRUCTION ACTIVITY PLANNED AND/OR CONDUCTED UNDER A PARTICULAR PERMIT. THE PROJECT OCCURS ON THE SITE OR SITES DESCRIBED IN THE PERMIT APPLICATION, THE SWPPP AND IN THE ASSOCIATED PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS, (MINN R. 709)

"PUBLIC WATERS" MEANS ALL WATER BASINS AND WATERCOURSES DESCRIBED IN MINN. STAT. SECT. 103G.005 SUBP. 15. (MINN. R. 7090)

"SEDIMENT CONTROL" MEANS METHODS EMPLOYED TO PREVENT SUSPENDED SEDIMENT IN STORMWATER FROM LEAVING THE SITE (E.G. SILT FENCES, COMPOST LOGS AND STORM DRAIN INLET PROTECTION, [MINN. R. 7090]

ETABLICE" STABLIZED, "TRAILZATION" MEANS THE EXPOSED GROUND SURFACE HAS BEEN COVERED BY APPROPRIATE MATERIALS SUCH AS MULCH, STAKED SOD, RIPRAP, EROSION CONTROL BLANKET, MATS OR OTHER MATERIAL THAT PREVENTS EROSION FROM OCCURRING, GRASS SEEDING, AGRICULTURAL CROP SEEDING OR OTHER SEEDING ALONE IS NOT STABILIZATION. MULCH MATERIALS MUST ACHIEVE APPROXIMATELY 90 PERCENT GROUND COVERAGE (TYPICALLY 2 TON/ACRE). [MINN. R.

"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. 7090]

STORM ATTER POLLUTION PREVENTION PLAN (SWPPP)" MEANS A PLAN FOR STORMWATER DISCHARGE THAT INCLUDES ALL REQUIRED CONTENT UNDER IN SECTION 5 THAT DESCRIBES THE EROSION PREVENTION, SEDIMENT CONTROL AND WASTE CONTROL BIMPS AND PERMANENT STORMWATER TREATMENT SYSTEMS. [MINN, R. 7890]

DENERGY AND FEMRATERY STORMATCHEN THE AN EAST MENT STORMS THE AND THE STORMWATER TREATMENT SYSTEMS CONSTRUCTED IN WETLANDS AND MITIGATED IN ACCORDANCE WITH SECTION 22 AS SURFACE WATERS. [MINN. R. 7090]

AULUNDANUE MITH SEUTION ZA AS SURFACE YALENS, (MINN, R. 1980) "WATERS OF THE STATE" (AS DEFINED IN MINN STAT. SECT. 150.9, SUBP. 23) MEANS ALL STREAMS, LAKES, PONDS, MARSHES, WATERCOURSES, WATERWAYS, WELLS, SPRINGS, RESERVIDIS, AQUIERS, IRRUGATION SYSTEMS, DRAINAGE SYSTEMS AND ALL OTHER BODIES OR ACCUMULATIONS OF WATER, SURFACE OR UNDERGROUND, NATURAL OR ATHFICAL, PUBLIC OR PRIVATE, WICH ARE CONTAINED WITHIN, FLOW THROUGH, OR BORDER UPON THE STATE OR ANY PORTION THEREOF, (MINN, STAT. 115.01, SUBP. 22)

BURGER UPON INTER STATE OF MEANS ONE (INCOMENDER INTEREST, UNITED ALL THAT I DAVID OUT LES IMPERIYOUS SURFACES CREATED BY THE PROJECT (CALCULATED AS AN INSTANTANEOUS YOLUMES, (MINN, R. 7990)

INSTANTANEOUS VOLDMEL, IMIMI, R. 1950-186, SUBP, 1A.B.) MEANS THOSE AREAS THAT ARE ININGATED OR SATURATED BY SUBPACE WATER OR GROUNDWATER AT A REININGATED DR SATURATED BY SUBPACE WATER OR GROUNDWATER AT A FREQUENCY AND DURATION SUPPORT, APREVALENCE OF VEGETATION TYRCALLY ADAPTED FOR LIFE IN SATURATED SOLI CONDITIONS. WETLANDS GENERALLY INCLUDE SWAMPS. FOR LIFE IN SATURATED SOIL CONDITIONS, WEILANDS GENERALLY MICLUDE SYMA MARSHEB, BOSS, AND SIMLAR AREAS. CONSTRUCTED WEILANDS DESIGNED FOR WASTEWATER TREATMENT ARE NOT WATERS OF THE STATE, WEILANDS MUST HA FOLLOWING ATTRIBUTES: 1. A PREDOMINANCE OF HYDRIC SOILS; AND AVE THE

- 2. NUNDATED ON SATURATED BY SURFACE WATER OR GROUNDWATER AT A FREQUENCY AND DURATION SUFFICIENT TO SUPPORT A PREVALENCE OF HYDROPHYTIC VEGETATION TYPICALLY ADAPTED FOR LIFE IN A SATURATED SOIL CONDITION, AND
- 3. UNDER NORMAL CIRCUMSTANCES SUPPORT A PREVALENCE OF SUCH VEGETATION. (MINN, R. 7050.0186, SUBP. 1A.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 ITEM BA, AND COMPLETE THE STABILIZATION YITHIN SEVEN (7) CALENDAR DAYS BAFER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE TEMPORARILY OR PERMANENTLY CEASES.

PERMITYEES 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.

S		I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED	1 4-11-23	RFC & CCWD COMMENTS
н (BY ME OR UNDER MY DIR	2	
EE	HIDDEN FOREST EAST FOURTH ADDITION		m	L
ET		-	4	AKI 110 AK (51) BY
3	CITY OF HAM LAKE, MINNESOLA	00	ŝ	ES,
			9	
2		ADAM CARKE	7	, IN FE
)		Date: 05.16.2023 LCense No. 43963	8	
	TREFARED FOR. BEN ENDER LCC		INO. DATE	DESCRIPTION

Tradewell Soil Testing 18330 Dahlia Street NW Cedar, MN 55011

April 10th, 2023

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 4th, Addition for HFN Properties, LLC, 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,

Jule ell

Mark Tradewell MPCA #307

Tom Collins

From:	JEFFREY Stalberger <stally68@msn.com></stally68@msn.com>
Sent:	Tuesday, June 13, 2023 3:42 PM
То:	Henning-Randa, Bridget (DNR); Melissa Barrett; Tom Collins
Cc:	Jennifer Bohr; BRIAN KIRKHAM
Subject:	Re: Hidden Forest East 4th Addition - Permit application review

Bridget, yes, I can do that. please draft the permit. Thank you, Jeff Stalberger

From: Henning-Randa, Bridget (DNR) <Bridget.Henning-Randa@state.mn.us>
Sent: Tuesday, June 13, 2023 3:31 PM
To: JEFFREY Stalberger <stally68@msn.com>; Melissa Barrett <melissa@kjolhaugenv.com>
Cc: Jennifer Bohr <JBohr@ci.ham-lake.mn.us>; BRIAN KIRKHAM <bkirkham11@msn.com>
Subject: RE: Hidden Forest East 4th Addition - Permit application review

Hello Jeff,

I have reviewed your application and have two outstanding issues that will need to be addressed in the permit. If you can agree to the conditions below, I will move forward with drafting the permit and you can move forward with the planning commission.

- 1. The project will need to allow at least 2 weeks for salvage and relocation of the plants by DNR or a DNR authorized party prior to grading impacts to the area with protected plants.
- Fairly intensive survey efforts for this species have been conducted and additional surveys are unlikely to identify many new populations. Therefore, preferred mitigation for the species is adaptive management to maintain suitable habitat. We estimate that \$40,000 for management of existing population, such as invasive species control and prescribed fire, and monitoring to adapt management actions, will offset project impacts.

Please, let me know if you have any questions and if you would like me to proceed in drafting the permit.

Thank you, Bridget

Bridget Henning-Randa, Ph.D. Minnesota Endangered Species Consultant | Division of Ecological and Water Resources Pronouns: she/her/hers

Minnesota Department of Natural Resources 500 Lafayette Rd., Box 25 St. Paul, MN 55155 Email: <u>bridget.henning-randa@state.mn.us</u> http://www.dnr.state.mn.us/eco/nhnrp





From: JEFFREY Stalberger <stally68@msn.com>
Sent: Tuesday, June 13, 2023 11:29 AM
To: Henning-Randa, Bridget (DNR) <Bridget.Henning-Randa@state.mn.us>; Melissa Barrett <melissa@kjolhaugenv.com>
Cc: Jennifer Bohr <JBohr@ci.ham-lake.mn.us>; BRIAN KIRKHAM <bkirkham11@msn.com>; Wolf, Heidi (DNR)
<heidi.wolf@state.mn.us>
Subject: Re: Hidden Forest East 4th Addition - Permit application review

H Bridget, I was just going to follow up on the Hidden Forest East 4th Addition. We are hoping for some good news, and we can move forward with the planning commission meeting.

Sorry for being a pest, Thanks, Jeff S. 612-799-1471

From: Henning-Randa, Bridget (DNR) <<u>Bridget.Henning-Randa@state.mn.us</u>>
Sent: Monday, June 12, 2023 10:48 AM
To: Melissa Barrett <<u>melissa@kjolhaugenv.com</u>>; JEFFREY Stalberger <<u>stally68@msn.com</u>>
Cc: Jennifer Bohr <<u>JBohr@ci.ham-lake.mn.us</u>>; BRIAN KIRKHAM <<u>bkirkham11@msn.com</u>>; Wolf, Heidi (DNR)
<<u>heidi.wolf@state.mn.us</u>>
Subject: RE: Hidden Forest East 4th Addition - Permit application review

Hello Jeff and Melissa,

I will review this material and do my best to let you know if we have additional concerns by tomorrow morning. I do anticipate that we will be able to issue a permit using the existing layout, but I will not be able to issue a permit by tomorrow. Next week Wednesday is the best case scenario for permit issuance, assuming I have all the information I need in the new submittal. I will let you know more after my review.

Thanks, Bridget

From: Melissa Barrett <<u>melissa@kjolhaugenv.com</u>>

Sent: Friday, June 2, 2023 2:54 PM

To: Wolf, Heidi (DNR) <<u>heidi.wolf@state.mn.us</u>>; Henning-Randa, Bridget (DNR) <<u>Bridget.Henning-Randa@state.mn.us</u>>; Cc: Jennifer Bohr <<u>JBohr@ci.ham-lake.mn.us</u>>; BRIAN KIRKHAM <<u>bkirkham11@msn.com</u>>; JEFFREY Stalberger <stally68@msn.com>

Subject: FW: * Correction on dates Hidden Forest East 4th Addition - Permit application - DNR Response

Heidi,

I am forwarding this email on to you in the event that you are helping Bridget while she is out, and because Bridget's return date is the date that the city of Ham Lake must hear back regarding this application as highlighted below.

Thank you.

Melissa Barrett

Kjolhaug Environmental Services 2500 Shadywood Road, Suite 130 Orono, MN 55331 Phone: 952-388-3752 From: JEFFREY Stalberger <<u>stally68@msn.com</u>>
Sent: Friday, June 2, 2023 1:50 PM
To: Henning-Randa, Bridget (DNR) <<u>Bridget.Henning-Randa@state.mn.us</u>>; Melissa Barrett <<u>melissa@kjolhaugenv.com</u>>; Matt
Davich <<u>mdavich@egrud.com</u>>
Cc: Jennifer Bohr <<u>JBohr@ci.ham-lake.mn.us</u>>; BRIAN KIRKHAM <<u>bkirkham11@msn.com</u>>
Subject: Fw: * Correction on dates Hidden Forest East 4th Addition - Permit application - DNR Response

correction on dates:

Hello Bridget and Melissa,

Melissa I believe I said on the phone from my car it was the 16th but looking at my notes it was Tuesday the 13th.

Jenifer Bohr (attached) at the city of Ham Lake said that if we have the DNR approval by the 13th we would be able make the agenda for the next planning commission meeting. Mayor Brian Kirkham (attached) said it's very possible to have a special council meeting to expedite the start to help complete the project before frost arrives.

Thank you, Jeff Stalberger Sr.

From: Melissa Barrett <<u>melissa@kjolhaugenv.com</u>> Sent: Friday, June 2, 2023 1:07 PM To: Henning-Randa, Bridget (DNR) <<u>Bridget.Henning-Randa@state.mn.us</u>> Cc: JEFFREY Stalberger <<u>stally68@msn.com</u>>; Matt Davich (<u>mdavich@egrud.com</u>) <<u>mdavich@egrud.com</u>> Subject: RE: Hidden Forest East 4th Addition - Permit application - DNR Response

Bridget,

Please see response to comments below and attached supplemental information.

I know that on 5/25 Jeff sent out an email to let you know how this permit is tied to city approvals and how that affects whether he can start his project this year. The exact date of the city approving his project is June 16, and so the planning commission would need to know things were able to move forward (proffered permit OK) a few days before that to be able to add that to their agenda. Jeff – please let me know if I got that wrong.

Please let us know if that timeframe is problematic. Thank you.

Melissa Barrett Kjolhaug Environmental Services 2500 Shadywood Road, Suite 130 Orono, MN 55331 Phone: 952-388-3752

From: Henning-Randa, Bridget (DNR) <<u>Bridget.Henning-Randa@state.mn.us</u>>
Sent: Thursday, June 1, 2023 4:15 PM
To: Melissa Barrett <<u>melissa@kjolhaugenv.com</u>>
Cc: JEFFREY Stalberger <<u>stally68@msn.com</u>>
Subject: RE: Hidden Forest East 4th Addition - Permit application - DNR Response

Hello Mellissa,

Thank you for your patience. We have reviewed your application and have the following comments or requests for additional information:

- 1. Please provide shapefiles of the project site, area of impact, and protective fence locations around plants that will not be taken. Please see attached shapefiles.
- 2. Please, provide a description of the need for the project at this site. Were alternative sites considered for satisfying housing need? This is Phase 4 of an existing project. Infrastructure is in place to complete this project phase, and a development in this location has been coordinated with the city for many years (starting in 2016) and is part of the city's residential and traffic plans for this area (as outlined in the city's comprehensive plan which is a planning tool that identifies areas for development in a proactive way for the city as a whole).
- 3. Please describe measures that will be implemented to ensure adjacent habitat will not be significantly disturbed, such as silt fence and construction crew notification. As required by the SWPPP, silt fencing will be used throughout the entire project area. Silt fence will be placed at the limits of grading. The location of silt fence near avoided known and potential protected species is shown on the attached Sheet 7 and Figure 4 and is included in the provided silt fence shapefile. Wetland buffer and rare species signage (Figure 4 attached) will be installed at the start of project construction thereby notifying contractors and landowners that disturbance beyond the signs is not allowed.
- 4. Has this project received an NH review letter? If so, please provide it. Please, indicate how impacts to other rare species that may be on the project site, such as Blanding's turtle, will be avoided. Because it can take a number of months to receive a reply to the NHIS request, it is our understanding that Stantec submitted a survey protocol to DNR prior to beginning field work. That protocol was submitted prior to the new MCE online submission option; however, Stantec has access to the DNR's NHIS database so that all potential species were noted in the protocol and specifically investigated for in the field, plus any other rare species that may occur that were not included within or near the project area according to NHIS data. See attached Blanding's Turtle Avoidance Plan.
- 5. Please provide more information about onsite avoidance and mitigation (section 6.1). Where are the avoided areas that potentially provide long term habitat? Over 30 acres of the total project area is wooded and will remain as-is (see "tree preservation" areas on attached grading limits figure). It is the wooded area in which this species was found, and in which it may occur in the future.
- 6. We do not agree that the decrease of observed individuals from 2020 to 2022 or the presence of non-fruiting individuals is an indication that the species is likely to disappear in the absence of this project. Comment noted.
- 7. The DNR does not consider the proposed mitigation adequate to offset the proposed impact to not be detrimental to the species. Offsetting the loss of sub-populations of a rare species requires specific conservation actions; your proposal does not adequately fund specific actions that would benefit the species. You are welcome to prepare an additional proposal that fully offsets the impact or after receiving the requested information above, we will provide a mitigation suggestion. The species to be taken is found within a complex of habitats common to the Anoka Sand Plain. Compensatory mitigation for other protected species found in similar situations determined that plant surveys were a priority for contributing towards the conservation of the species, thereby providing a net benefit to the species. For past permits, the DNR has estimated the cost of such surveys to be \$32,000 to cover the cost of salary for a biologist, equipment, supplies, travel, and contractual work needed to complete surveys. For this project which proposes impact to 8 non-fruiting stems along with preservation/avoidance of 43 non-fruiting stems proposed mitigation is \$16,000.

Let me know if you have any questions,

Thank you, Bridget

Bridget Henning-Randa, Ph.D. Minnesota Endangered Species Consultant | Division of Ecological and Water Resources Pronouns: she/her/hers **Minnesota Department of Natural Resources** 500 Lafayette Rd., Box 25 St. Paul, MN 55155 Email: <u>bridget.henning-randa@state.mn.us</u> <u>http://www.dnr.state.mn.us/eco/nhnrp</u>





From: Joyal, Lisa (DNR) <<u>lisa.joyal@state.mn.us</u>> Sent: Wednesday, May 3, 2023 2:27 PM To: Melissa Barrett <<u>melissa@kjolhaugenv.com</u>> Cc: JEFFREY Stalberger <<u>stally68@msn.com</u>>; Henning-Randa, Bridget (DNR) <<u>Bridget.Henning-Randa@state.mn.us</u>>; Horton, Becky (DNR) <<u>becky.horton@state.mn.us</u>> Subject: Hidden Forest East 4th Addition - Survey Report - DNR Response

Hi Melissa,

Thank you for submitting the attached 2022 survey report. The survey documented black huckleberry (*Gaylussacia baccata*), and recommended that an additional survey be conducted. The DNR has verified the species identification and reviewed the report, and concurs that a follow up survey for *Rubus* species be conducted in late July – August. Tubercled rein orchid (*Platanthera flava* var. *herbiola*) should also be considered a target species during the follow up survey. We look forward to receiving the survey results.

In the future, please submit survey reports to <u>Reports.NHIS@state.mn.us</u> prior to submitting a permit to take application. More information can be found at <u>Natural Heritage Review</u> and <u>Rare Species Survey Process</u>. Please note that survey data (<u>spreadsheets</u> and GIS data) should be submitted with the survey report.

Thank you,

Lisa Joyal

Lisa Joyal

Endangered Species Review Coordinator | EWR NHIS Data Distribution Coordinator | EWR **Minnesota Department of Natural Resources** 500 Lafayette Road, Box 25 St. Paul, MN 55155 Phone: 651-259-5109 Email: <u>lisa.joyal@state.mn.us</u> <u>mndnr.gov/eco</u>

From: Melissa Barrett <<u>melissa@kjolhaugenv.com</u>>
Sent: Saturday, January 7, 2023 9:42 AM
To: Henning-Randa, Bridget (DNR) <<u>Bridget.Henning-Randa@state.mn.us</u>>; Joyal, Lisa (DNR) <<u>lisa.joyal@state.mn.us</u>>; Horton, Becky (DNR) <<u>becky.horton@state.mn.us</u>>;

Cc: JEFFREY Stalberger <<u>stally68@msn.com</u>>

Subject: Hidden Forest East 4th Addition, Ham Lake - Permit application to take Gaylussacia baccata (black huckleberry)

This message may be from an external email source. Do not select links or open attachments unless verified. Report all suspicious emails to Minnesota IT Services Security Operations Center.

Hello,

On behalf of HFN Properties we are submitting this *Permit Application to Take MN Endangered or Threatened Species Incidental to the Hidden Forest East 4th Addition* residential development project (download link below). The project proposes to impact one population on the site, and avoid another population on the site.

Please contact me with any questions or the need for further information for your review. Thank you.

TakePermitAppl HFN 4th Addition Ham Lake 1-9-2023 KES opt.pdf

Melissa Barrett Kjolhaug Environmental Services 2500 Shadywood Road, Suite 130 Orono, MN 55331 Phone: 952-388-3752

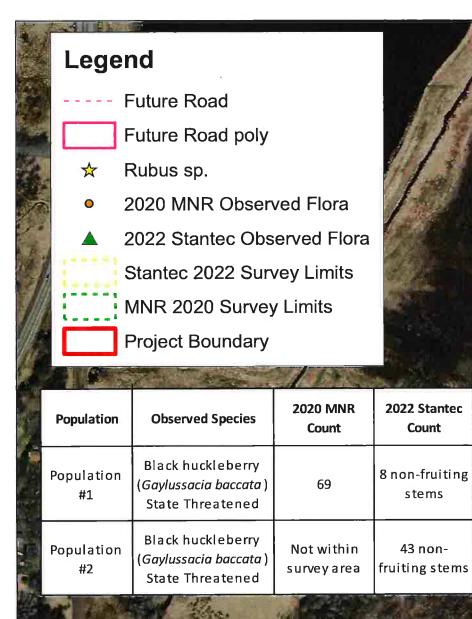






Figure 3 - Survey Limits & Rare Species Locations





NOTICE OF PERMIT APPLICATION STATUS

Project:	Hidden Forest 4 th Addition
Date:	May 19, 2023
Applicant:	HFN Properties, LLC Attn: Jeff Stalberger 17404 Ward Lake Dr Anoka, MN 55304
Permit Application#:	P23-023
Purpose:	Construction of a 22-lot single family home development with associated stormwater features, streets, and utilities.
Location:	Stutz St NE and 149th Ave NE, Stutz St NE and 149th Ave NE, Ham Lake

At their meeting on April 24, 2023 the Board of Managers of the Coon Creek Watershed District **conditionally approved** the above referenced project with 8 conditions and 3 stipulations. **This is NOT a permit.**

Since your last submittal on 5/16/2023, the following 4 conditions remain which must be addressed before permit issuance (please see note below on how to address conditions).

- 1. Submittal of a performance escrow in the amount of \$20,450.00.
- 2. Provide proof of NPDES permit application.
- 3. Submittal of Wetland Bank Credit Withdrawal Verification.
- 4. Submittal of final Takings Permit from the MnDNR.

Please note that there are also 3 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,

un Ednon

Erin Edison Watershed Development Coordinator

cc: File P23-023 Eileen Weigel, Stantec Danielle Tourtillott, Stantec Tom Collins, Ham Lake

CITY OF HAM LAKE PLANNING COMMISSION REQUEST APPLICATION INSPECTION REPORT

MTG DATE: June 26, 2023

INSPECTION ISSUED TO: Erin Dixson
APPLICANT/CONTACT: Stone Construction/Mitch Stone
TELEPHONE NUMBER: <u>763-784-1950 or 612-366-4390 or</u> mitch.s@stoneconstructioninc.com
BUSINESS/PLAT NAME: Jam Hops
ADDRESS/LOCATION OF INSPECTION: <u>1460 133rd Ln NE</u>
APPLICATION FOR: Commercial Site Plan (Add'n)
RECOMMENDATION:
,
DATE:
PLANNING COMMISSIONER SIGNATURE:

(<u></u>)	

PLANNING

CITY OF HAM LAKE

15544 Central Avenue NE

REQUEST Ham Lake, MN 55304 Phone (763) 434-9555 Fax (763) 235-1697
 Date of Application
 3-22-2023
 Date of Receipt
 5-19-23

 Receipt #
 94078
 Meeting Appearance Dates: Planning Commission ______ City Council _____ Please check request(s): **Metes & Bounds Conveyance** Commercial Building Site **Sketch Plan Certificate of Occupancy Preliminary Plat Approval* Home Occupation Permit Final Plat Approval Conditional Use Permit (New)* Rezoning* Conditional Use Permit (Renewal) Multiple Dog License*** Other *NOTE: Advisory Signage is required for land use alterations and future road connections, This application also requires a Public Hearing. Such fees shall be deducted from deposit. Development/Business Name: Jan Hows Address/Location of property: 1460 133rd LN NE

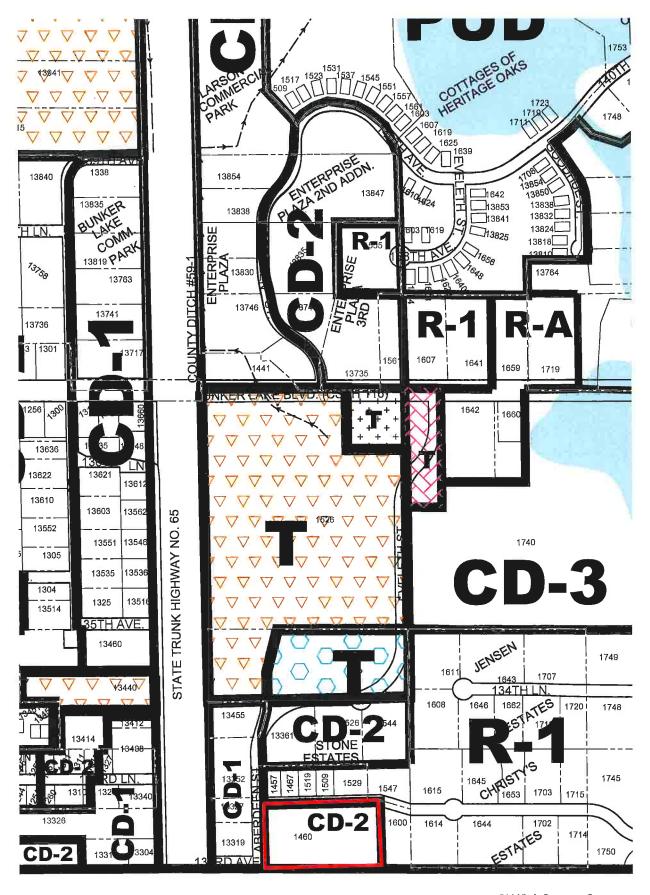
ACTION BY: Planning Commission _____ City Council

PROPERTY TAXES CURRENT YES

NO



0 50 100 FEET 200



0 125 250 500 FEET

Jam Hops - Narrative

Since it's opening at the current location in 2017, Jam Hops has continued to grow, other than during the COVID pandemic of course. We had hoped and planned for this to happen and included an expansion in the original plan. We have had waitlists for our gymnastics and Ninja classes for the past 2 years, and began renting space this past fall to accommodate our growing needs as best we can until the expansion is completed.

In addition to gymnastics and Ninja recreational classes, we have recreational and competitive dance classes, competitive boys and girls gymnastics teams, and an academic preschool. We also offer birthday parties, open gym, and day camps. We have plans to add a coffee, tea and shake shop through our Jam Hope Foundation, which will be staffed by kids and adults with special needs. We will sell prepackaged snacks, however there will be no food preparation. Anytime Fitness will continue to lease space in our building, and continues to operate.

We have 150 employees, and our hours of operation are approximately 8:00am-9:00pm 7 days a week with some Sundays being closed. Currently, parking at our peak evening times we can use up to 110 parking stalls. We expect a 20% increase with this expansion, which adds 22 parking stalls. Anytime Fitness uses 20 parking stalls at peak hours, totaling 152 stalls at peak business hours.

We have loved being part of the Ham Lake community for over 26 years. It is our privilege to serve the kids and families that come to Jam Hops, and to support the local businesses and organizations though our Jam Hops gives back program. Thank you for your help and support through our years of growth, and for your consideration of our much needed expansion.

CITY OF HAM LAKE

STAFF REPORT

To: Members of the Planning Commission

From: Mark Jones, Building and Zoning Official

Subject: Jam Hops requesting a 12,992 square foot addition at 1460 133rd Lane NE

Introduction/Discussion:

Jam Hops provides gymnastics and Ninja recreational classes, recreational and competitive dance classes, competitive boys and girl's gymnastics teams, and also has an academic preschool. They are requesting approval to add a 12,992 square foot addition to the east side of the building and expand their parking lot. The property abuts residential property on the north and east sides. Currently there is limited screening on the north side and no screening on the east side of the property. Per Article 11-1853.A - *Where property lines are adjacent to residential areas, a planting screen of conifers shall be required, of sufficient size and proximity to provide an intermingled screen within five years.* Code compliant screening on the north and south sides of the property is required.

The narrative indicates the business has experienced growth since constructing the building in 2016 and that a future expansion to the building was included in the original plan. The original civil plans dated April 28, 2016 do show a future 10,368 square foot expansion area on sheet C2; however, sheet C2 of the modified civil plans dated December 14, 2016, included this expansion area in the original build and a permit was issued. This expansion could be considered a third addition to the building.

There has been a great deal of discussion about the adequacy of the septic system due to the expanded occupancy load for this type of building. Occupancy Loads are based on the Minnesota 2020 Building Section 1004 (IBC). Per table 1004.5 (IBC) the maximum occupancy load will be 888 with the proposed addition to the existing building. The septic system needs to be designed to accommodate this occupancy load as required by Minnesota Subsurface Sewage Treatment System Program (SSTS) rules. Jam Hops indicates there are plans for a coffee, tea and shake shop in the building. Beverage service businesses generate additional strain on a septic system.

Recommendation:

I recommend site plan approval on the condition that a Building Permit not be issued until the septic system has been approved. All screening also needs to be approved by the City Engineer and the Building Official before a permit will be issued.



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

Memorandum

Date:	June 22, 2023
To:	Planning Commissioners
From:	Tom Collins, City Engineer TPC
Subject:	Jam Hops Dance Studio Building Addition

Introduction:

The Title Sheet, Legend, Existing Conditions & Removal Plan, Civil Site Plan, Grading, Drainage & Erosion Control Plan, Details, Stormwater Pollution Prevention Plan received May 3rd and the Architectural Plans and Stormwater Drainage Report received April 13th address prior review comments. The Architectural Plans include the Landscape Plan. No additional screening is proposed.

Discussion:

The Plans reflect a 12,992 square foot building addition to the existing 44,472 square foot building footprint. The stormwater treatment basin that was constructed with the prior expansion has adequate capacity for the proposed expansion. Additional stormwater treatment is not required.

The Coon Creek Watershed District (CCWD) Board of Managers conditionally approved the plans at the March 13th meeting, per the attached. The CCWD issued their attached permit on May 25th. An Operations and Maintenance Agreement for Stormwater Facilities has been executed between Jam Hops and the CCWD.

Per the attached Building Official memo, a Building Permit will not be issued until the septic design is approved. The State Fire Marshall office will be confirming if the reserve water tank and pump capacity of the existing fire suppression system are sufficient for the new addition. The MPCA issued the attached Construction Stormwater Permit on March 17th.

Recommendation:

It is recommended that the plans for the Jam Hops Dance Studio Building Addition be recommended for approval.

JAM HOPS DANCE STUDIO BLDG ADDITION TITLE SHEET, LEGEND, EXISTING CONDITIONS & REMOVAL PLAN

HAM LAKE, MINNESOTA

LEGEND

12.	EXISTING OVERHEAD ELECTRIC		PROPOSED WATER PIPE
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si ———	EXISTING UNDERGROUND CABLE	>	PROPOSED STORM SEWER PIPE
Ĵ	EXISTING TELEPHONE PEDESTAL		PROPOSED DRAINTILE AND CLEAN-O
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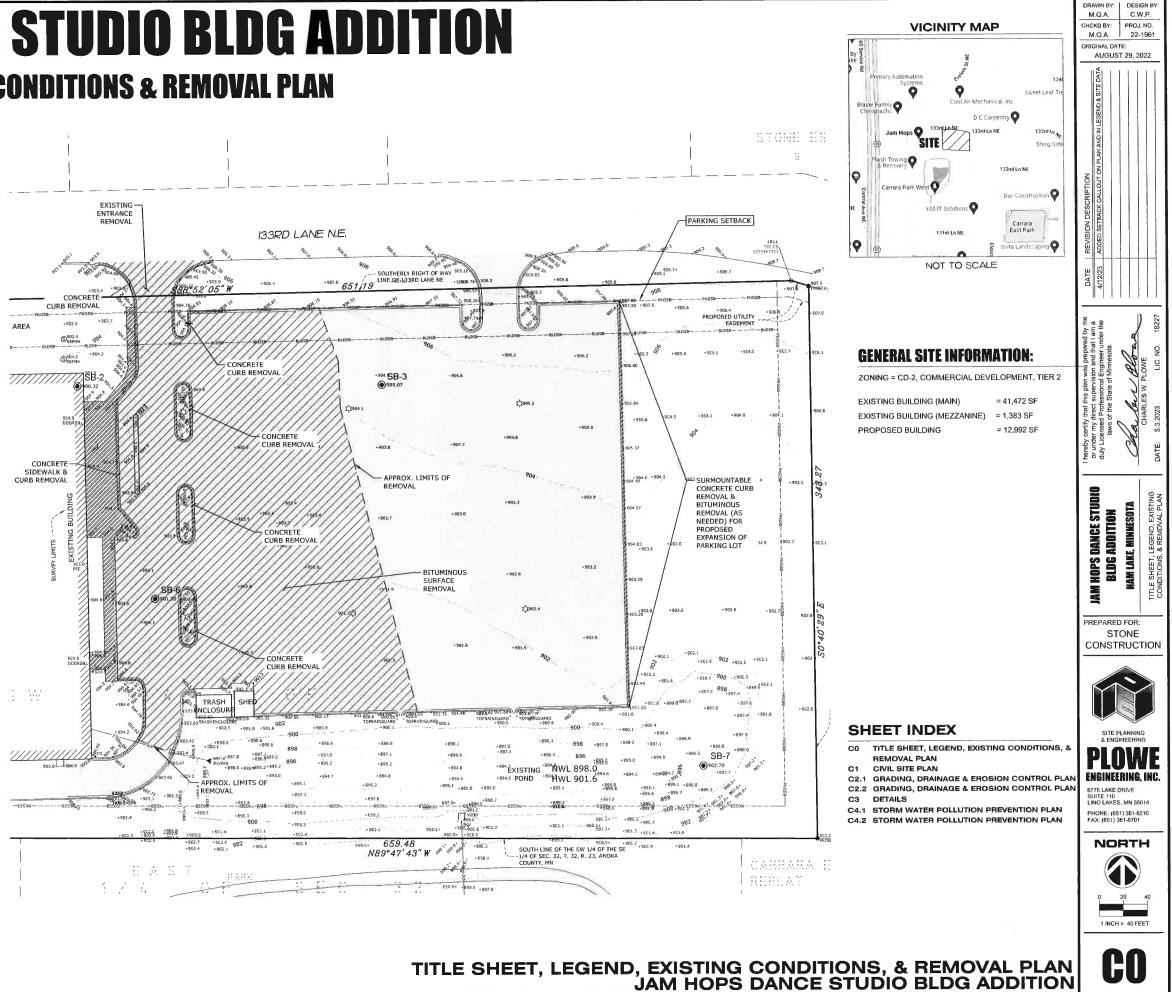
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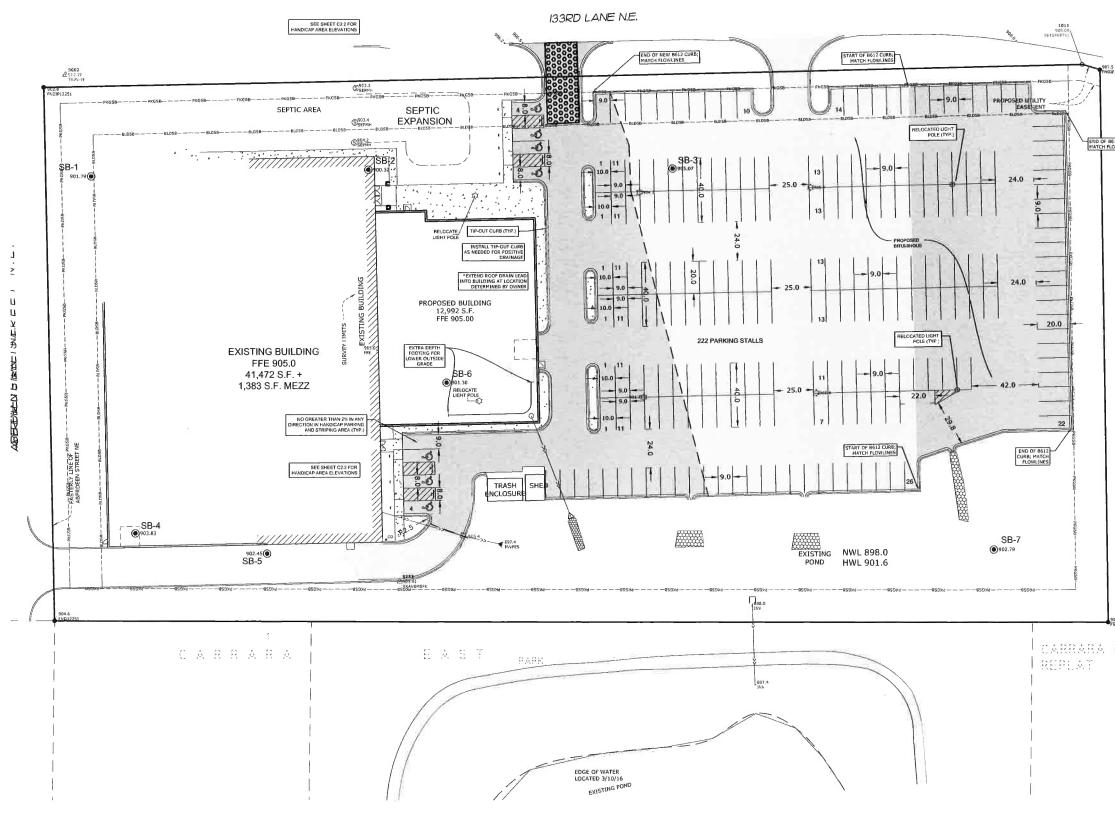
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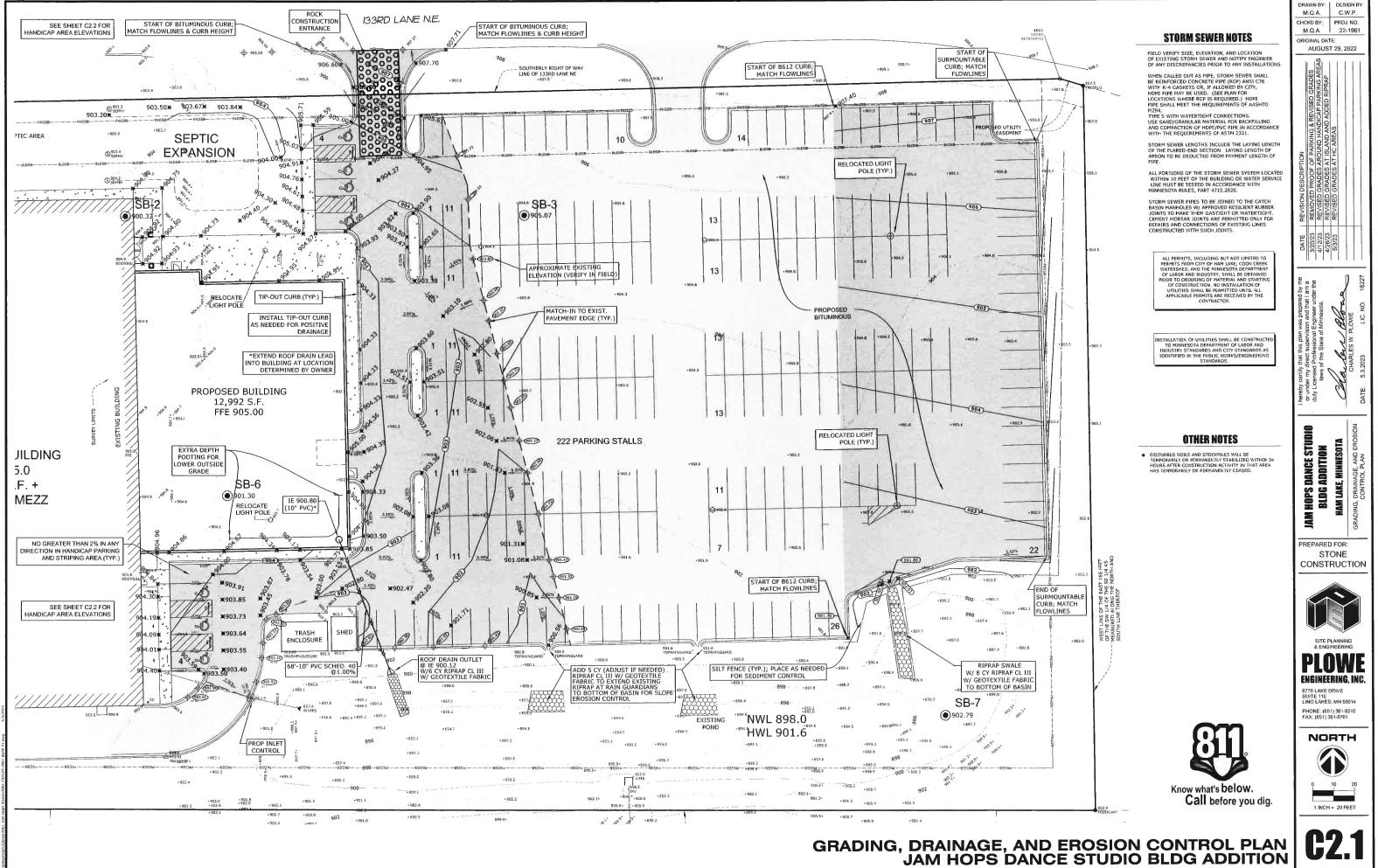




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CIVIL SITE PLAN JAM HOPS DANCE STUDIO BLDG ADDITION

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SITE SEQUENCING

PRIOR TO ANY GRADING OPERATIONS, THE CONTRACTOR SHALL INSTALL ROCK CONSTRUCTION ENTRANCE (LOCATIONS TO BE DETERMINED - COORDINATE WITH OWNER) AND PERIMETER SILT FENCE AS SHOWN ON PLAN. (CONTRACT CITY TO INSPECT EROSION CONTROL MEASURES PRIOR TO GRADING DERATIONS, IF NECESSARY IS NOTEONALS TO FENCE MAY BE NECESSARY IS LOCAL

THE CONTRACTOR SHALL PROVIDE ALL SOD, SEED, MULCH AND FERTILIZER WHICH SHALL CONFORM WITH THE FOLLOWING MNDOT SPECIFICATIONS AS MODIFIED BELOW.

ITEM		MNDOT SPECIFICATION/NOTES		
SOD		3878		
SEED **		3876		
* FOR TURF EST	ABLISHMENT			
CC	IMMERCIAL TURF	MNDOT MIX 25-131 (220 LB5/ACRE)		
RE	SIDENTIAL TURF	MNDOT M1X 25-131 (120 LBS/ACRE)		
TEMPORARY	FALL COVER	MNDOT MIX 21-112 (100 LB5/ACRE)		
5	SPRING/SUMMER	MNDOT MIX 21-111 (100 LBS/ACRE)		
SOIL-BUILDING COVER		MNDOT MIX 21-113 (110 LB5/ACRE)		
1	-2 YEARS COVER	MNDOT M1X 22-111 (30.5 LB5/ACRE)		
2	-5 YEARS COVER	MNDOT MIX 22-112 (40 LBS/ACRE)		
MULCH		3882 (TYPE 1 - DISC ANCHORED)		
FERTILIZER		3881		
WOOD FIBER BLAI	NKET	3885 (CATEGORY 2)		

MOW A MINIMUM OF ONCE PER 2 WEEKS ** SEEDED AREAS SHALL BE EITHER MULCHED OR COVERED BY FIBROUS BLANKETS TO PROTECT SEEDS AND LIMIT EROSION.

ALL EXPOSED SOILS MUST HAVE TEMPORARY EROSION CONTROL PROTECTION OR PERMANENT COVER WITHIN FOURTEEN (14) DAYS.

THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO ALL ADJACENT PROPERTY LINES AND MAKE SURE THE EROSION CONTROL PRACTICES INPLACE IN THOSE AREAS PREVENT MIGRATION OF SEDIMENT ONTO ADJACENT PROPERTIES.

THE CONTRACTOR SHALL MAINTAIN SILT FENCE, INCLUDING THE REMOVAL OF ACCUMULATED SEDIMENT, THROUGH COMPLETION OF BUILDING CONSTRUCTION. SILT FENCE TO BE REMOVED ONLY AFTER COMPLETION OF BUILDING CONSTRUCTION AND UPON ESTABLISHMENT OF VECEFATION.

THE CONTRACTOR SHALL PROVIDE WOOD FIBER BLANKET FOR ALL AREAS OF CONCENTRATED FLOW AND FOR ALL SLOPES 3:1 OR GREATER

- PROTECT ALL STORM WATER MANAGEMENT FACILITIES FROM CONSTRUCTION RUN-OFF. CONTRACTOR TO INSTALL AND CONSTRUCT SAID FACILITIES ONCE SITE HAS BEEN STABILIZED.
- IF ANY SLOPE'S APPEAR TO BE FAILING, THE CONTRACTOR SHALL PROVIDE ADDITIONAL SILT FENCE, BIOROLLS AND EROSION CONTROL BLANKET AS NEEDED.
- THE CONTRACTOR SHALL FINAL GRADE SWALE AREAS UPON STABILIZATION OF UPSTREAM AREAS.
- THE CONTRACTOR SHALL SOD ALL DISTURBED DRAINAGE AREAS, INCLUDING SWALES & OVERFLOWS
- UPON GRADING COMPLETION THE CONTRACTOR SHALL PROVIDE NATIVE YOPSOIL WITH SOD OR SEED, AND MULCH ANCHORED WITH A STRAIGHT SET DISC WITHIN 48 HOURS OF FINAL GRADING.
- EXCESS SOIL SHOULD BE TREATED LIKE OTHER EXPOSED SOIL AND STABILIZED WITHIN 72 HOURS. ANY SOIL STOCKPILES ARE TO HAVE SILT FENCE PLACED ON DOWNSTREAM SIDES.
- IF A STREET, ALLEY, SIDEWALK OR OTHER PUBLIC PLACE SHOULD BECOME SOILED OR LITTERED, THE CONTRACTOR SHALL CAUSE SUCH SOILING OR LITTERING TO BE CLEANED UP BY SWEEPING NOT LATER THAN THE END OF THE WORKING DAY IN WHICH SUCH SOILING OR LITTERING SHALL HAVE OCCURRED OR BEEN OBSERVED.
- DISTURBED SOILS AND STOCKPILES WILL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 24 HOURS AFTER CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED.

OTHER POLLUTION CONTROL MEASURES

CONSTRUCTION WASTE MATERIALS - ALL WASTE MATERIALS GENERATED AS A RESULT OF SITE CONSTRUCTION SHALL BE COLLECTED AND REMOVED ACCORDING TO ALL LOCAL AND/OR STATE WASTE MANAGEMENT REGULATIONS BY A LICENSEDS DOLID WASTE MANAGEMENT COMPANY. THE CONTRACTOR WILL INSURE THAT ALL SITE PERSONNEL ABE INSTRUCTED IN THESE PRACTICES.

HAZARDOUS WASTES - ALL HAZARDOUS WASTE MATERIALS SHALL BE STORED PROPERLY TO PREVENT SPILLS AND VANDALISM. WHEN NECESSARY, HAZARDOUS WASTES WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL AND/OR STATE REGULATION OR BY THE MANUFACITURER.

SANITARY WASTE - ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS BY A LOCAL, LICENSED WATER MANAGEMENT COMPANY, AS REQUIRED BY LOCAL REGULATION.

OFFSITE VEHICLE TRACKING - A ROCK CONSTRUCTION ENTRANCE HAS BEEN FROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. IF A STREET, ALLEY, SIDEWALK OR OTHER FURLIC PLACE SHOLD BECOME SOILED OR LITTERED, THE CONTRACTOR SHALL CAUSE SUCH SOILING OR LITTERING TO BE CLEANED UP BY SWEEPING NOT LATER THAN THE END OF THE WORKING DAY IN WHICH SUCH SOILING OR LITTERING SHALL HAVE OCCURRED OR BEEN OBSERVED. DUMP TRUCKS HAULING LOOSE MATERIALS (SAND, TOPSOIL, ETC.) TO AND/OR FRAM THE SITE SHALL BECOVERD UTH A TRAPAULIN.

VEHICLE CLEANING - NO ENGINE DEGREASING IS ALLOWED ON-SITE. EXTERNAL WASHING OF VEHICLES TO BE CONFINED TO A DEFINED AREA ("BONE YARD") ON-SITE. CONTRACTOR TO PROVIDE DESIGNATED TRUCK WASHOUT AREA WITH APPROPRIATE SIGNAGE. WASHOUT AREA IS TO BE A MINIMUM OF 50° FROM OTICHES, PONDS, OR OTHER STORWATER FEATURES. ALL LIQUID AND SOLD WASTE GENERATED BY WASHOUT OPERATIONS MUST BE CONTAINED IN A LEAK-PROOF CONTAINMENT FACILITY OR IMPERMEABLE LINER (E.G. COMPACTED CLAY LINER, IMPERMEABLE GEO-MEMBARAB, JAND DISPOSED OF PROFERY.

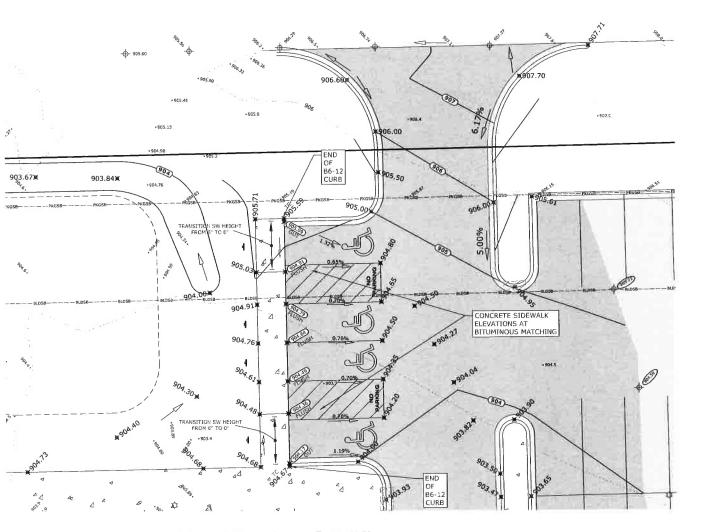
SPILL PREVENTION AND CONTROL - ALL VEHICLES WILL BE CHECKED FOR LEAKING OIL AND FLUIDS. VEHICLES LEAKING FLUIDS WILL NOT BE ALLOWED ON-SITE. SPILL KITS WILL BE STORED ON-SITE AND ALL SPILLS WILL BE CLEANED UP HIMEDIATELY DISCOVERY. SPENT ABSORBENT MATERIALS AND RAGS WILL BE HAULED OF-SITE IMMEDIATELY AFTER THE SPILLIS CLEANED UP AND PROPERTY DISPOSED OF. SPILL PREVENTION AND CONTROL MEASURES SHALL BE IMPLEMENTED ONCE CONSTRUCTION BEGINS.

SOIL STOCKPILES - INSTALL SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS AROUND ALL TEMPORARY SOIL STOCKPILES. LOCATE SOLD STUDIEST STOCKPLES SUCH THAT DOWNSLOPE DRAINAGE LEWTH IS NO LESS THAN 8 M (25 FEED FROM THE TOE OF THE PILE TO A SURFACE WATER, INCLUDING STORMWATER CONVERANCES SUCH AS CURB AND GUTTER SYSTEMS, OR CONDUITS AND DITCHES UNLESS THERE IS A BYRASS IN PLACE FOR THE STORMWATER. IN REMAINING FOR MORE THAN 7 DAYS, STABILIZE THE STOCKPLES BY MULCHING, VEGETATIVE COVER, TARPS, OR OTHER MEANS. DURING STREET REPAIR, COVER CONSTRUCTION SOLO AD DITS TOCKPLES BY MULCHING, LOSER THAN B M (25 FEET) TO A RADIAVA OR DRAINAGE CHANNEL WITH TARES, AND PROTECT STORM SEVER INLEES INCERTING OR STAKED SILT FENCE

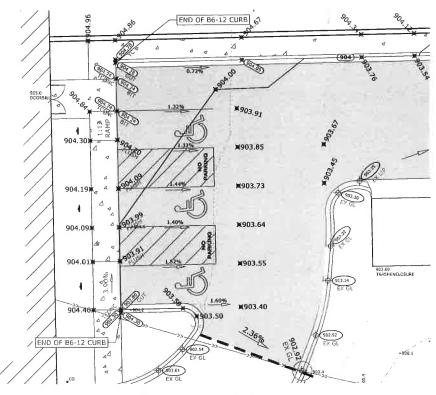
PROVIDE WIMCO (OR APPROVED EQUAL) FOR INLET PROTECTION AT ALL EXISTING STORM SEWER INLETS THAT WILL RECEIVE RUN-OFF DURING CONSTRUCTION. INLET PROTECTION TO REMAIN IN-PLACE UNTIL AT LEAST 70% OF SITE VEGETATION HAS BEEN ESTABLISHED

CONTRACTOR TO PROVIDE DESIGNATED CONCRETE TRUCK WASHOUT AREA WITH APPROPRIATE SIGNAGE. KEEP WASHOUT AREAS 5 FAR AS PRACTICAL FROM STORM DRAINS, DITCHES AND PONDS. DO NOT ALLOW RUN-OFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARCE ENOUGH FOR LIQUID AND SOLID WASTE. ATTER WASTE CONCRETE IS SET, RERA-UP AND DISPOSE OF

THE CONTRACTOR MUST DISCHARGE TURBID OR SEDIMENT-LADEN WATERS RELATED TO DEWATERING (E.G., PUMPED DISCHARGES THE CONTRACTOR MUST DISCHARGE TURBID OR SEDIMENT-LADEN WATERS RELATED TO DEWATERING (E.G., PUMPED DISCHARGES, TRENCH_DITCH CUTS FOR DRAINAGE; TO A TEMPORARY OR PREMANENT SEDIMENTATION BASIN ON THE PROJECT SITE UNLESS INFEASULE. THE CONTRACTOR MAY DISCHARGE FROM THE TEMPORARY OR PREMANENT SEDIMENTATION BASIN TO SURFACE WATERS IF THE BASIN WATER HAS BEEN VISUALLY CHCKEVET OF ROUTE TREATMENT HAS BEEN DETAILNED IN THE BASIN AND THAT NUISANCE CONDITIONS (SEE MINN. R. 7050.0210, SUBP. 2) WILL NOT RESULT FROM THE DISCHARGE. IF THE WATER CANNOT BE DISCHARGE TO A SEDIMENTATION BASIN PRIOT TO ENTERING THE SURFACE WATER, IT MUST BE TREATED WITH THE APPROPRIATE BMPS, SUCH THAT THE DISCHARGE DOES NOT ADVERSELY AFFECT THE RECEIVING WATER OR DOWNSTREAM PROPERTIES.



HC STALLS (NORTH)



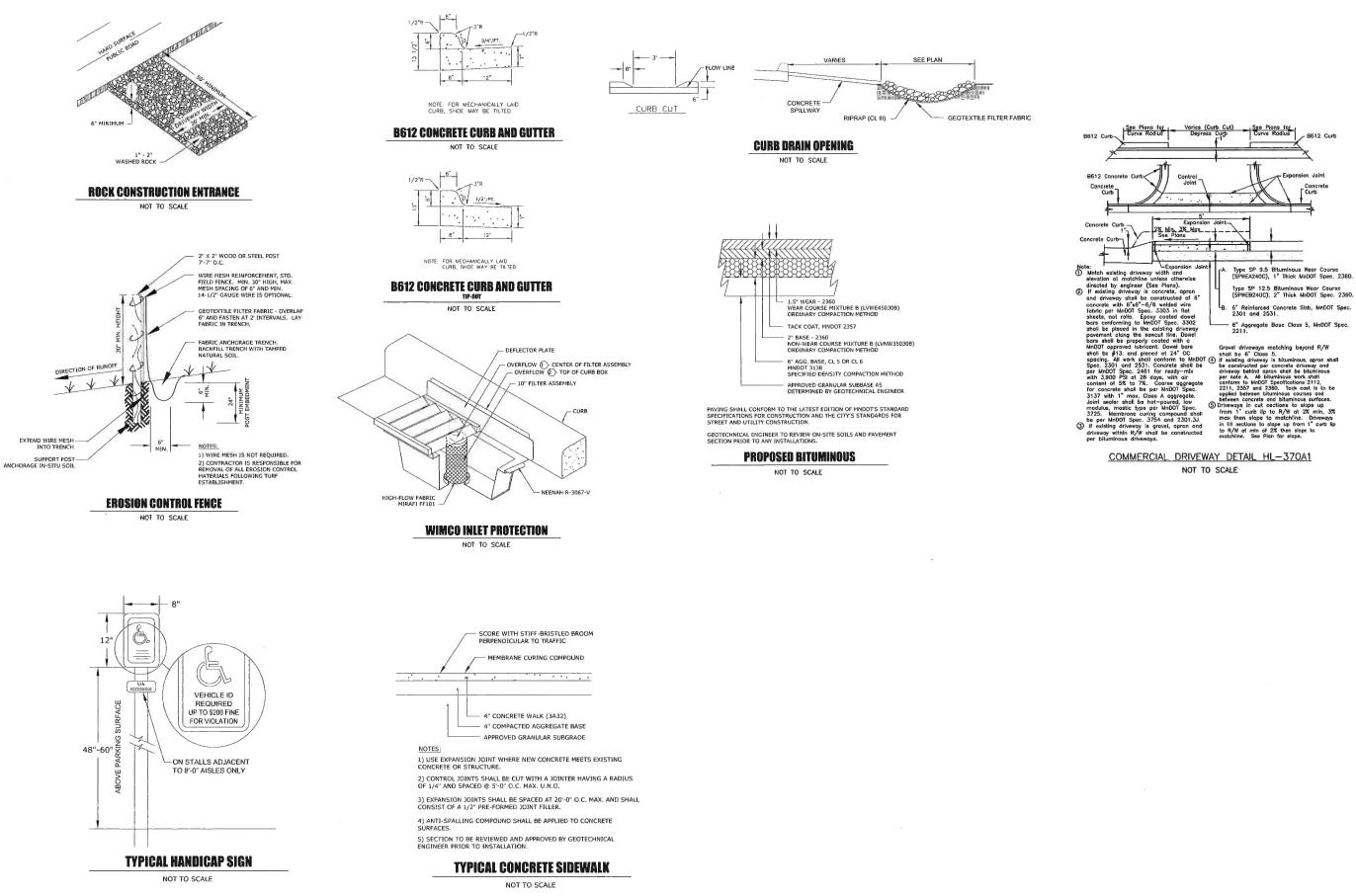
NO GREATER THAN 2% IN ANY DIRECTION IN HANDICAP PARKING AND STRIPING AREAS

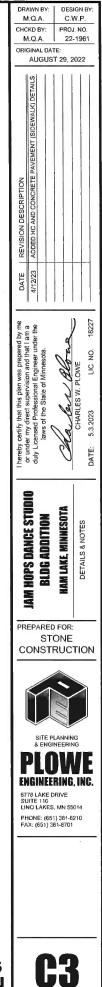
HC STALLS (SOUTH)

GRADING, DRAINAGE, AND EROSION CONTROL PLAN JAM HOPS DANCE STUDIO BLDG ADDITION









DETAILS & NOTES JAM HOPS DANCE STUDIO BLDG ADDITION

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

OWNELE: [INTWAR. A: 090] A) FERMITESE 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 CLEAN OUT, OR TRANSFERRING PORTIONS OF A SITE TO ANOTHER PARTY. THE PERMITTEES' COVERAGE UNDER THIS PERMIT TERMINATES AT MIDNIGHT ON THE SUBMISSION DATE OF THE NOT. (MINN. R. 7090) 4.4 PERMITTEES MAY TERMINATE PERMIT COVERAGE PRIOR TO COMPLETION OF ALL CONSTRUCTION ACTIVITY IF THEY MEET

ALL OF THE FOLLOWING CONDITIONS: A. CONSTRUCTION ACTIVITY HAS CEASED FOR AT LEAST 90 DAYS: AND

B. AT LEAST 90 PERCENT (BY AREA) OF ALL ORIGINALLY PROPOSED CONSTRUCTION ACTIVITY HAS BEEN COMPLETED AND PERMANENT COVER HAS BEEN ESTABLISHED ON THOSE AREAS; AND C. ON AREAS WHERE CONSTRUCTION ACTIVITY IS NOT COMPLETE, PERMANENT COVER HAS BEEN ESTABLISHED: AND

. THE SITE COMPLIES WITH ITEM 13.3 THROUGH 13.7.

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

4.5 PERMITTEES MAY TERMINATE COVERAGE UPON MPCA APPROVAL AFTER SUBMITTING INFORMATION DOCUMENTING THE OWNER CANCELED THE PROJECT, IMINN, R, 70901

5.1 STORMWATER POLLUTION PREVENTION PLAN (SWPPP) CONTENT [MINN. R. 7090] 3.3 THE SWPPP MUST INCORFIC (ATE SPECIFIC BEST MANAGEMENT PRACTICES (BMP) USED TO COMP REQUIREMENTS OF THIS PERMIT, [MINN. R. 7090]

5.4 THE SWPPP MUST INCLUDE A MARKATIVE 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)

5.5 THE SWPPP MUST INCLUDE THE CALCULATIONS AND OTHER INFORMATION USED FOR THE DESIGN OF TEMPORARY SEDIMENT BASINS AND ANY OF THE PERMANENT STORMMATER 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). (MINN. R. 7080)

5.8 THE SWPPP MUST INCLUDE THE NUMBER OF ACRES OF IMPERVIOUS SURFACE FOR BOTH PRE- AND POST-CONSTRUCTION

5.9 THE SWPPP MUST INCLUDE A SITE MAP WITH EXISTING AND FINAL GRADES. INCLUDING DRAINAGE AREA BOUNDARIES HARGE POINTS WHERE STORMWATER IS LEAVING THE SITE OR ENTERING A SURFACE

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

5.10 THE SWPPP MUST INCLUDE A MAP OF ALL SURFACE WATERS, EXISTING WETLANDS, AND STORMWATER PONDS OR BASINS THAT CAN BE IDENTIFIED ON MAPS SUCH AS UNITED STATES GEOLOGICAL SURVEY J.5 MINUTE CUADRANGLE MAPS, THE NATIONAL WETLAND INVENTORY MAP OR EQUIVALENT MAPS AND ARE WITHIN ONE MILE (ARENAL RADIUS MEASUREMENT) FROM THE PROJECT EQUIDABLES THAT WILL RECEIVE STORMWATER FROM THE CONSTRUCTION SITE, DURING OR AFTER CONSTRUCTION, THE SWPPP MUST IDENTIFY IF THE SURFACE WATERS ARE SPECIAL OR IMPAIRED WATERS, MINN, R. 2000

5.11 THE SWIPPP MUST INCLUDE A SITE MAP SHOWING CONSTRUCTION ACTIVITY AREAS THAT ARE ADJACENT TO AND DIAMIN TO PUBLIC WATERS FOR WHICH THE DIR HAS PROMULGATED "WORK IN WATER RESTRICTIONS" DURING SPECIFIED FISH SPAWNING TIME FRAMES [MINN R. 7090] 5.12 PERMITTEES MUST IDENTIFY LOCATIONS OF 50' BUFFER ZONES AS REQUIRED IN ITEM 9.17 AND 100' PERMANENT BUFFER

ONES 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:

THE DETERMINATION IN THE SWIPP? a TEMPORARY SEMILATE ASIN AS DESCRIBED IN SECTION 14, AND b. FOR LINEAR PROJECTS, IF THE PERMANENT STORMWATER TREATMENT SYSTEM CANNOT BE CONSTRUCTED WITHIN THE RIGHT-DF-WAY, A REASONABLE ATTEMPT MUST BE MODE TO DEATAN ADDITIONAL RIGHT-OF-WAY (IYEM 15.9), AND c. BUFFER ZONES AS DESCRIBED IN ITEM 9.17 AND ITEM 23.11. (MINN. R, 7030)

5.14 IF PERMITTEES DETERMINE THAT A TEMPORARY SEDIMENT BASIN IS INFEASIBLE AS DESCRIBED IN ITEM 14.10. THE

PPP MUST DESCRIBE THE ALTERNATIVE BMPS USED. [MINN. R. 7090] 5.15 WHERE SYSTEMS CANNOT MEET THE FULL VOLUME REDUCTION REQUIREMENT ON SITE. (E.G., THE SITE HAS INFILTRATION PROHIBITIONS, SEE ITEM 16.14 THROUGH ITEM 16.21) THE PERMITTEE MUST DOCUMENT THE REASONS IN THE SWPPI

MINN, R. 70901 5.16 THE SWPPP MUST INCLUDE ANY STORMWATER MITIGATION MEASURES PROPOSED TO BE PART OF THE FINAL PROJECT IN ANY ENVRONMENTAL REVIEW DOCUMENT, ENDANGENED SPECIES REVIEW, ARCHEOLOGICAL OR OTHER REQUIRED LOCAL, STATE OR FEDERAL REVIEW CONDUCTED FOR THE PROJECT, FOR PURPOSES OF THIS PERMIT, MITGATON MEASURES MEANS ACTIONS NECESSARY TO AVOID. MININZE, OR MITGATE FOR IMPACTS RELATED TO FROSION PREVENTION MEASURES MEANS ACTIONS NECESSARY TO AVOID. MININZE, OR MITGATE FOR IMPACTS RELATED TO FROSION PREVENTION MEASURES AND CONTROL, THE PERMANENT STORMWATER TREATMENT SYSTEM, POLLUTION PREVENTION MANAGEMENT MEASURES AND

DISCHARGES ASSOCIATED WITH THE PROJECT'S 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

ATION OF EXPOSED SOIL AREAS IN THE SWPPP. [MINN. R. 7090] 5.19 FOR PROJECTS WITH A DISCHARGE POINT ON THE PROJECT WITHIN ONE (1) MUE (AFRIA) RADIUS MEASUREMENT) OF AND WHICH FLOWS TO AN IMPAIRED WATER, PERMITTEES MUST IDENTIFY THE IMPAIRED WATER(S), AND ANY UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) APPROVED TOTAL MAXIMUM DAILY LOAD (TMDL) FOR THE POLLUTANTIS) OR STRESSOR(S) DESCRIBED IN ITEM 23.7, PERMITTEES' IDENTIFICATION MUST INCLUDE THOSE TMDLS APPECVED AT ANY TIME PRIOR TO PERMIT APPLICATION SUBMITTAL AND ARE STILL IN EFFECT (MINN, R. 7090)

5.20 PERMITTEES MUST DOCUMENT IN THE SWPPP, ALL TRAINED INDIVIDUALS IDENTIFIED IN ITEM 21.2. DOCUMENTATION MUST INCLUDE

NAMES OF PERSONNEL REQUIRED TO BE TRAINED; AND DATES OF TRAINING AND NAME OF INSTRUCTOR(S) AND ENTITY PROVIDING TRAINING; AND

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 70:0]

5.22 THE SWIPPP MUST DESCRIBE ANY SPECIFIC CHEMICALS AND CHEMICAL TREATMENT SYSTEMS USED FOR ENHANCING THE SEDIMENTATION FROLESS AND HOW IT ACHIEVES COMPLIANCE WITH ITEM 9.18. [MINN II. 7080] 5.23 THE SWPPP MUST IDENTIFY THE PERSON(S), ORGANIZATIONS, OR ENTITIES RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF PERMANENT STORMWATER TREATMENT SYSTEMS, IMINN, R. 70001

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 DICTATES COMPACTION, IMINN. R, 70901

5.25 THE SWPPP MUST INCLUDE ANY SITE ASSESSMENTS FOR GROUNDWATER OR SOIL CONTAMINATION REQUIRED IN ITEM 16.15.[MINN R. 7090]

5.26 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 RUNOFF AND RUN-ON AT THE SITE. INCLUDING FACTORS SUCH AS EXPECTED FLOW FROM IMPERVIOUS SURFACES, SLOPES, AND SITE DRAINAGE FEATURES; AND

THE STOR STORMWATER VOLUME, VELOCITY, AND PEAK FLOWRATES TO MINIMIZE DISCHARGE OF POLLUTANTS IN ATER AND TO MINIMIZE CHANNEL AND STREAMBANK EROSION AND SOUR IN THE IMMEDIATE VICINITY OF DISCHARGE

THE RANGE OF SOIL PARTICLES SIZES EXPECTED TO BE PRESENT. [MINN R. 7090]

6.1 SWPPP AMENDMENTS. [MINN. R. 7090]

6 2 ONE OF THE INDIVIDUALS DESCRIBED IN ITEM 21.2 A OR ITEM 21.2.8 OR ANOTHER QUALIFIED INDIVIDUAL MUST COMPLETE ALL SWPPP CHANGES. CHANGES INVOLVING THE VIEW OF A LESS ASTINGENT BM MUST INCLUDE A JUSTIFICATION DESCRIBIN HOW THE HERALGENEIN BM IS EFFECTIVE FOR THE SITE CHARACTERISTICS, [MIN. R. 7050]

© 3 PERMITTEES MUST AMEND THE SWPPP TO INCLUDE ADDITIONAL OR MODIFIED BMPS AS NECESSARY TO CORRECT PROJEMS IDENTIFIED OR ADDRESS STRUATIONS WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, MAINTEMANCE, WEATHER OR BEASONAL CONDITIONS HAVING A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO SUFFACE WATERS OR GROUNDWATER. (MINN. R. 7090)

SUBFACE WATERS OR GROUNDWATER, [MINN. P. 7000] (#) PERINTEES MUST AMEND THE SWIPP TO INICLUDE ADDITIONAL OR MODIFIED BMPS AS NECESSARY TO CORRECT PH/BLEMS IDENTIFIED OR ADDRESS SITUATIONS WHENEVER INSPECTIONS OR INVESTIGATIONS BY THE SITE OWNER OR OPERATOR, USEPA OR MPCA OFFICIALS INDICATE THE SWIPP IS NOT EFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OR GROUNDWATER OR RETIE DISCHARGES ARE CAUSING WATER OUALITY STANDARD EXCEEDDANCES (E.G., NUBANCE CONTITIONS AD DETINED IN MINN, R. 7050.0210, SUBP. 2) OR THE SWIPP IS NOT CONSISTENT WITH THE OBJECTIVES OF A USEPA APPROVED TMDL. [MINN, R. 7050.0210]

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

7.2 PERMITTEES MUST 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 ACCORDANCE INVESTIGATION FOR A STATEMENT OF A STATEME APPROPRIATE AND FUNCTIONAL MANNER AND IN A ACCEPTED ENGINEERING PRACTICES, IMINN, R. 709

8.1 EROSION PREVENTION PRACTICES, IMINN, R. 70901

8.2 BEFORE WORK BEGINS, PERMITTEES MUST DELINEATE THE LOCATION OF AREAS NOT TO BE DISTURBED. [MINN. R. 7090] 8.3 PERMITTEES MUST MINIMIZE THE NEED FOR DISTURBANCE OF FORTIONS OF THE PROJECT WITH STEEP SLOPES WHEN STEEP SLOPES MUST BE DISTURBED, PERMITTEES MUST USE TECHNIQUES SUCH AS PHASING AND STABILIZATION PRACTICES DESIGNED FOR STEEP SLOPES (E.G., SLOPE DRAINING AND TERRACING), MINN R. (2150)

LESIGNED FOR STEEP SLOPES (E.G., SLOPE DRAINING AND TERMALING) INITY, M. (200) EA PERNITTEES MUST STABLIZE ALL EXPOSED SOLL AREAS, INCLUDION SCHEMES STABILIZATION MUST BE INITIATED IMMERIJATELY TO LIMIT SOLL EROSION WHEN CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORALLY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING TO CALENDAR DAYS, STABILIZATION MUST BE COMPLETED NO LATER THAN 7 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY HAS CEASED AND HECUIRED ON CONSTRUCTED BASE COMPONENTS OR ROADS, PARKING LOTS AND SIMILAR SUBFACES. STABILIZATION IS NOT RECUIRED ON TEMPORARY STOCKILES WITHOUT SIGNIFICANT SALT, CLAY OR GRANIC COMPONENTS (E.G., CLEAN AGGREGATE STOCKPILES, DROUTING CONCERTE STOCKPILES, SAND STOCKPILES, BUT PERMITTEES MUST PROVIDE SEDURET CONTROLS AT THE BASE OF THE STOCKPILE, MINN, R. 7,300

SEDIMENT CONTROLS AT THE BASE OF THE STOCKPILE, MINN, M. 7,200 6.5 FOR PUBLIC WATERS THAT THE MINNESOTA DIR HAS PROMULGATED 'WORK IN WATER RESTRICTIONS' DURING SPECIFIE FISH SPAYNING TIME FRAMES, PERMITTEES MUST COMPLETE STABILIZATION OF ALL EXPOSED SOIL AREAS WITHIN 200 FEET OF THE WATERS EDGE, AND THAT ORAIN TO THESE WATERS, WITHIN 24 HOURS DURING THE RESTRICTION PERIOD. JMINN R.

8.6 PERMITTEES 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 CERNAMENT URANKAWE BUTCHES OR SWALES THAT URAIN WATER HOM THE STE WITHIN 24 HOURS AFTER CONNECT SURFACE WATER OR PROPERTY EDGE. FERNITIES MUST COMPLETE STABLIZATION OR REMINING PORTIONS OF TEMPORARY OR PERMANENT DITCHES OR SWALES WITHIN 7 CALENDAR DAYS AFTER CONNECTING TO A SURFACE REOPERTY EDGE AND CONSTRUCTION IN THAT PORTINO OF THE DITCH TEMPORARIL OR PERMANENTLY CEASES. M

A 7 TEMPORARY OR PERMANENT DITCHES OR SWALES BEING USED AS A SEDIMENT CONTAINMENT SYSTEM DURING CONSTRUCTION (WITH PROPERLY DESIGNED ROCK-DITCH CHECKS, BIO ROLLS, SULT DIKES, ETC.) DO NOT NEED TO BE STABILIZED. PERMITTEES MUST STABILIZE THESE AREAS WITHIN 24 HOURS AFTER THEIR USE AS A SEDIMENT CONTAINMENT SYSTEM CEASES [MINN. R. 7090]

A BERNITTERS MUST NOT USE MULCH. HYDROMULCH, TACKIFIER, POLYACRYLAMIDE OR SIMILAR EROSION PREVENTION PRACTICES WITHIN ANY PORTION OF THE NORMAL WETTED PERIMETER OF A TEMPORARY OR PERIMANENT DRAINAGE DIT OR SWALE SECTION WITH A CONTINUOUS SLOPE OF GREATER THAN 2 PERCENT, JIMINR 7060] OR PERMANENT DRAINAGE DITCH 6.9 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]

2.2 PERMITTEES MUST ESTABLISH SEDIMENT CONTROL EMPS ON ALL DOWNGRADIENT PERIMETERS OF THE SITE AND DOWNGRADIENT AREAS OF THE SITE THAT DRAIN TO ANY SURFACE WATER, INCLUDING CURB AND GUTER SYSTEMS. PERMITTEES MUST LOCATE SEDIMENT CONTROL PRACTICES UPGRADIENT CAN PUPER SOURCES, PERMITTEES MUST SEDIMENT CONTROL PRACTICES BEFORE ANY UPGRADIENT LNND-DISTURBING ACTIVITIES BEGIN AND MUST KEEP THE SEDIMENT CONTROL PRACTICES IN FLACE UNTIL THEY ESTABLISH PERMANENT COVER, IMINN, R. 7050]

6.3. IMINN, R. 7090 TEMPORARY OR PERMANENT DRAINAGE DITCHES AND SEDIMENT BASINS DESIGNED AS PART OF A SEDIMENT NTAINMENT SYSTEM (E.G., DITCHES WITH ROCK-CHECK DAMS) REQUIRE SEDIMENT CONTROL PRACTICES ONLY AS PROPRINTE FOR SITE CONDITIONS, IMINN, R. 7080)

9.5 A FLOATING SHIT CURTAIN PLACED IN THE WATER IS NOT A SEDIMENT CONTROL BMP TO SATISFY ITEM 9.2 EXCEPT WHEN

93A RUDATING SILT CUTININ PLACED IN THE WATER IN RIGHT SECTION OF THE MATCH SHOP TO SHITP TO SHOP TO SHOP TO THE SZEACH WITEY WITEY WORKING ON A SHOPELING ED BELOW THE WATER IN RIGHT STALL AN UPLAND PERMETER STALL AN UPLAND PERMETER STALL AN UPLAND PERMETER STALL AN UPLAND PERMETER STALL STALL CONTOL PERACTICE IF EXPOSED SOLIS STILL DANI TO A SUBFACE WATER, IMM. R. 7030] 9.6 PERMITTEES MUST RE-INSTALL ALL SEDIMENT CONTROL PRACTICES ADJUSTED OR REMOVED TO ACCOMMODATE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VEHICLES, IMMEDIATELY AFTER THE SHORT-TERM ACTIVITY IS COMPLETED. PERMITTEES MUST RE-INSTALL SEDMENT CONTROL PRACTICES BEFORE THE NEXT PRECIPITATION EVENT EVEN IF THE SHORT-TERM ACTIVITY IS NOT COMPLETE (MINN. R. 769)

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]

Los declares and television of the television of television of the television of the television of the television of television of the television of tel 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, 7090) 9.10 PERMITTEES MUST LOCATE STOCKPILES OUTSIDE OF NATURAL BUFFERS OR SURFACE WATERS, INCLUDING STORMWATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS UNLESS THERE IS A BYPASS IN PLACE FOR THE

STORMWATER IMINN R 70901

9.11 PERMITTEES MUST INSTALL A VEHICLE TRACKING BMP TO MINIMIZE THE TRACK OUT OF SEDIMENT FROM THE CONSTRUCTION SITE OF ONTO PAVED ROADS WITHIN THE SITE (MINN, R, 7090) 9.12 PERMITTEES MUST USE STREET SWEEPING IF VEHICLE TRACKING BMPS ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING ONTO THE STREET, MINN, B, 20301

9.13 PERMITTEES MUST INSTALL TEMPORARY SEDIMENT BASING AS REQUIRED IN SECTION 14 [MINN. R. 7090]

9.14 IN ANY AREAS OF THE SITE WHERE FINAL VEGETATIVE STAPSILIZATION WILL OCCUR. PERMITTEES MUST RESTRICT VEHICLE AND EQUIPMENT USE TO MINIMIZE SOIL COMPACTION. [MINN. H. 7000]

9.15 PERMITTEES MUST PRESERVE TOPSOIL ON THE SITE, UNLESS INFEASIBLE. [MINN. R. 7090]

9.16 PERMITTEES MUST DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS UNLESS INFEASIBLE. IMINN. R. 70901 9.16 PERMITTEES MUST DIRECT DISCHARGES FROM BMPS TO VEGETATED AREAS OURCESS INFEASIBLE, MINN, K. 7080] 9.17 PERMITTEES MUST PRESERVE A 50 FOOT MATURAL BUFFER OR, IF A BUFFER IS INFEASIBLE ON THE SITE, PROVIDE REDUNDANT (DOUBLE) PERIMETER SEDIMENT CONTROLS WHEN A SUBFACE WATER IS LOCATED WITHIN 50 FEET OF THE PROJECTS EARTH DISTURBANCES AND STORMWATER FLOWS TO THE SURFACE WATER FERMITTEES MUST INSTALL PERIMETER SEDIMENT CONTROLS AT LEAST 5 FEET APART UNLESS LIMITED BY LACK OF AVAILABLE SPACE. NATURAL BUFFERS ARE NOT REQUIRED ADJACEMT TO ROAD DIFCHES, JUDICIAL DITCHES, COUNTY DITCHES, STORMWATER CONVEY/ANCE CHANNELS, STORM DRAIN INLETS, AND SEDIMENT BASINS. IF PRESERVING THE BUFFER IS INFEASIBLE, PERMITTEES MUST DOCUMENT THE REASONS IN THE SWIPP. SHEET PILING IS A REDUNDANT PERIMETER CONTROL IF INSTALLED IN A MANNER THAT REFAINS ALL STORMWATER. (MINN, R. 7050)

9.18 PERMITTEES MUST USE POLYMERS, FLOCOLIANTS, OR OTHER SEDIMENTATION TREATMENT CHEMICALS IN ACCORDANCE 9.16 FEMALTIES MUST DISE FOLIMENTS, FLOCODATING, AND THE SEDIMENTATION TREATMENT THEMESTIC INACCOMPACE WITH ACCEPTED ENGINEERING PRACTICES, DOSING SPECIFICATIONS AND SEDIMENT REMOVAL DESIGN SPECIFICATIONS PROVIDED BY THE MANUFACTURER OR SUPPLIER, THE PERMITTEES MUST USE CONVENTIONAL EROSION AND SEDIMENT CONTROLS PRIVING TO CHEMICAL ADDITION AND MUST DIRECT TREATES STORMATER TO A SEDIMENT CONTROL SYSTEM FOR FILTRATION OR SETTLEMENT OF THE FLOC PRIOR TO DISCHARGE: [MINN. R. 7080]

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

TO: I DEWATERING AND BASIN UPANINNS, MINN, K. JOSUJ 10. PLOWATERING AND BASIN UPANINNS, MINN, K. JOSUJ 10.2 PERMITERS MUST DISCHARGE TURBID OR SEDIMENT LADEN WATERS RELATED TO DEWATERING OR BASIN DRAINING 16.2, PLUMED DISCHARGES, TRENCH-DITCH CUTS FOR DRAINAGE) TO A TEMPORARY OR PERMANENT SEDIMENT BASIN ON THE FOLLETS THE CHILLESS INFEASIBLE PERMITTEES MAY DEWATER TO SURFACE WATERS IF THEY VISUALLY CHECK TO ENSURE ADEQUATE TREATMENT HAS BEEN DETAINED AND NUEANCE CONDITIONS (SEE MINN, R. 760.027,0, SUBP. 2) WILL NOT RESULT FINAL THE DISCHARGE IF PERMITTEES AND DEWATEN THE WATER TO SURFACE WATERS IF THEY VISUALLY CHECK TO ENSURE SURFACE WATER, PERMITTEES AND TISCHARDE THE WATER TO SURFACE MATERS IF THEY OBSCHARGE DOES NOT ADVERSELY AFFECT THE SURFACE WATER, PERMITTEES AND THEAT IT WITH AN IL PRATE BMPS SUCH THAT THE DISCHARGE DOES NOT ADVERSELY AFFECT THE SURFACE WATER, OR DOWNSTREAM PROPERTIES, MINN, R. 760.0701

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) FRUCE TO DISCHARGE. [MINN. R. 7090] SUI ABLE TE INFORME DEVICE LEOI, DANTINGE TE LEOI, ADJUNETO TO ADJUNETO DASIMOTANI TO DISTINUE NA MANNER THAT DOES NOT CAUSE EROSION OR SCOURI IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS OR INUNDATION OF WETLANDS IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS THAT CAUSES BIOINFICIANT ADVERSE IMPACT TO THE WETLAND (MINN. R. 7030) 10.5 IF PERMITTEES USE FILTERS WITH BACKWASH WATER, THEY MUST HAUL THE BACKWASH WATER AWAY FOR DISPOSA RETURN THE BACKWASH WATER TO THE BEGINNING OF THE TREATMENT PROCESS, OR INCORPORATE THE BACKWASH W

NTO THE SITE IN A MANNER THAT DOES NOT CAUSE EROSION. IMINN. R. 7090

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

1.2 PERMITTEES MUST ENSURE A TRAINED PERSON, AS IDENTIFIED IN ITEM 21.2 B, WILL INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT SREATER THAN 12 INCH IN 24 HOURS, IMINN, R 7050] 11.3 PERMITTEES MUST INSPECT AND MAINTAIN ALL PERMANENT STORMWATER TREATMENT BMPS, IMINN, R. 70901

TL3 PERMITTEES MUST INSPECT AUE ROSION REVENTION AL DERMANNENT DI JUDMINALEE INERAIMENT BARD ROLLUTION PREVENTION MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS. PERMITTEES MUST REPAR, REVENTE ON SUPPLEMENT ALL NONFUNCTIONAL BARS WITH FUNCTIONAL BARS BATT BENDET TO THE REVENTION ALL SUPPLEMENT ALL NONFUNCTIONAL BARS WITH FUNCTIONAL BARS BATT BENDET THE REVENTION AT THE DISCOVERY UNLESS ANOTHER TIME FRAME IS SPECIFIED IN TEM 11.5 OR 11.6. PERMITTEES MAY TAKE ADDITIONAL TIME IF FIELD CONDITIONS PREVENT ACCESS TO THE AREA (MINN. R. 2050)

PREVENTI ACCESS TO THE AREA, IMIRIN, R. (USU) 11.5 OURING EACH INSPECTION, PERMITTERS MUST INSPECT SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND CONVEYANCE SYSTEMS BUT NOT CURB AND GUTTER SYSTEMS, FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION PERMITTEES MUST REMOVE ALL DELTAS AND SEDIMENT DEPOSITEO IN SURFACE WATERS, INCLUDING DRAINAGE SYSTEMS AND ACTCH DASINS, AND OTHER DRAINAGE SYSTEMS AND RESTABILIZE THE AREAS WHERE SEDIMENT REMOVAL RESULTS IN UNITY BASING, ANU UTIERY UNAINAGE SYSTEMS AND RESTABILIZE THE AREAS WHERE SOUMENT REMOVAL RESULTS IN EXPOSED SOLL PERMITTEES MUST COMPLETE REMOVAL AND STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS O DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULTORY, OR PHYSICAL ACCESS CONSTRAINTS, PERMITTEES MUST USE ALL REASONABLE EFFORTS TO OBINA ACCESS. PHECLUDED, REMOVAL AND STABILIZATION MUST TAKE PLACE WITHIN SEVEN DAYS OF DETAINING ACCESS. PERMITTEES ARE RESPONSIBLE FOR CONTACTING ALL LOCAL, REGIONAL, STATE AND FEDERAL AUTHORITIES AND RECEIVING ANY APPLICABLE PERMITS, PERMIT

11.6 PERMITTEES MUST INSPECT CONSTRUCTION SITE VEHICLE EXIT LOCATIONS, STREETS AND CURB AND GUTTER SYSTEMS WITHIN AND ADJACENT TO THE PROJECT FOR SEDIMENTATION FROM EROSION OR TRACKED SEDIMENT FROM VEHICLES. PERMITTEES MUST REMOVE SEDIMENT FROM ALL PAVED SURFACES WITHIN ONE (1) CALENDAR DAY OF DISCOVERY OR. IF APPLICABLE, WITHIN A SHORTER TIME TO AVOID A SAFETY HAZARD TO USERS OF PUBLIC STREETS. MINN. R. 70901

11.7 PERMITTEES MUST REPAIR, HEILACE 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 TEMPOHARY AND PERMANENT SEDIMENTATION BASINS AND REMOVE THE SEDIMENT WHEN THE DEPTH OF SEDIMENT COLLECTED IN THE BASIN REACHES 1/2 THE STORAGE VOLUME, IMINN, 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 21.2.8. IMINN. 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
- B. WHERE STREE HAVE PERMANENT COVER ON ALL EXPOSED SOIL AND NO CONSTRUCTION ACTIVITY IS OCCUBRING ANYWHERE ON THE SITE, INSPECTIONS CAN BE REDUCED TO ONCE PER MONTH AND, AFTER 12 MONTHS, MAY BE SUSPENDED COMPLETELY UNTIL CONSTRUCTION ACTIVITY RESUMES. THE MPCA MAY REQUIRE INSPECTIONS TO RESUME IF CONDITIONS WARRANT, OR
- CONSTRUCTION ACTIVITY HAS BEEN SUSPENDED DUE TO FROZEN GROUND CONDITIONS, INSPECTIONS MAY BE SUSPENDED. INSPECTIONS MUST RESUME WITHIN 24 HOURS OF PUNOFF OCCURRING, OR UPON RESUMING CONSTRUCTION, WHICHEVER COMES FIRST, (MINN R, 7090]

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

- A DATE AND TIME OF INSPECTIONS, AND
- B. NAME OF PERSONS CONDUCTING INSPECTIONS; AND
- C. ACCURATE FINDINGS OF INSPECTIONS, INCLUDING THE SPECIFIC LOCATION WHERE CORRECTIVE ACTIONS ARE NEEDED: AND
- D. CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES); AND E DATE OF ALL RAINFALL EVENTS GREATER THAN 1/2 INCHES IN 24 HOURS, AND THE AMOUNT OF RAINFALL FOR EACH EVENT. PERMITTEES MUST OBTAIN RAINFALL AMOUNTS BY EITHER A PROPERLY MAINTAINED RAIN GAUGE INSTALLED ONSITE. A WEATHER STATION THAT IS WITHIN ONE (1) MILE OF YOUR LOCATION, OR A WEATHER REPORTING SYSTEM THAT PROVIDES SITE SPECIFIC RAINFALL DATA FROM RADAR SUMMARIES, AND
- IN E. DUR DURING AND A DISCHARGE DURING THE INSPECTION, THEY MUST RECORD AND SHOULD PHOTOGRAPH A DESCRIBE THE LOCATION OF THE DISCHARGE (I.E., COLOR, ODOR, SETTLED OR SUSPENDED SOLIDS, OIL SHEEN, AND OTHER DEVICUS 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, IMINN R. 70901

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

T22 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 MINUMZE CONTACT WITH STORWWATER, PERMITTEES ARE NOT REQUINED TO COVER OF HIGHTET PRODUCTS WHICH ARE EITHER NOT A SOURCE OF CONTAMINATION TO STORMWATER OR ARE DESIGNED TO BE EXPOSED TO STORMWATER, [MINN. R, 7090]

12.3 PERMITTEES MUST PLACE PESTICIDES, FERTILIZERS AND TREATMENT CHEMICALS UNDER COVER (E.G., PLASTIC SHEETING OR TEMPORARY ROOPS) OR PROTECT THEM BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORWINTER (MINN R. 7090)

SICHAWAAILER (IMINN K. 7090) IZA PERMITEES MUST STORE HAZARDOUS MATERIALS AND TOXIC WASTE, (INCLUDING OIL, DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAINT SOLVENTS, PETROLEUM-BASED PRODUCTS, WOOD PRESERVATIVES, ADDINES, CURING COMPOUNDS, AND ACIDS) IN SEALED CONTAINERS TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MATERIALS MUST BE IN COMPLIANCE WITH MINN. R. CH. 7045 INCLUDING SECONDAI CONTAINMENT AS APPLICABLE, (MINN, R. 7060)

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 OVER. PERMITTEES MUST PROPERLY DISPOSE SANITARY WASTE IN ACCORDANCE WITH MINN. R. CH. 7041, MINN. R. 7041

PERMITTEES MUST PROPERLY DISPOSE SANITARY WASTE IN ACCIDENCAGE WITH MINN. R. CH. 7041, (MINN. R. 7041) 12.7 PERMITTEES MUST REREASONABLE STEPS TO PREVENT THE DISCHARGE OF SPILLED OR LEAKED CHEMICALS, INCLUDING FUEL, FROM ANY AREA WHERE CHEMICALS OR FUEL WILL BE LOADED OR UNLCADED INCLUDING THE USE OF DRIP PANS OR ABSORBENTS UNLESS INFERSIELE PERMITTEES MUST ENSURE ADEQUARTS UPPLIES ARE AVAILABLE FOR RECOVERED TO CLEAN UP DISCHARGED MATERIALS AND THAT AN APPROPRIATE DISPOSAL METHOD IS AVAILABLE FOR RECOVERED SPILLED MATERIALS, PERMITTEES MUST REPORT AND CLEAN UP SPILLS IMMEDIATELY AS REQUIRED BY MINN. STAT. 115.061. USING DRY CLEAN UP MEASURES WHERE POSSIBLE (MINN. STAT. 115.061)

USING UNT OLEAR OF MEASURES INTERE FOUSIBLE, JIMME STALL TUDOT] 12.8 PERMITTES MUST LIMIT VEHICLE EXTERNOR WASHING AND EQUIPHENT TO A DEFINED AREA OF THE SITE. PERMITTESS MUST CONTAIN RUNCHF FROM THE WASHING AREA IN A SEDIMENT BASIN OR OTHER SIMILARLY EFFECTIVE CONTROLS AND MUST DISPOSE WASTE FROM THE WASHING ACTIVITY PROPERTY. PERMITTES MUST ROPORELY USE AND STORE SOAPS. DETERGENTS, OR SOLVENTS, [MINN, R. 7090]

12.9 PERMITTEES MUST PROVIDE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OPERATIONS (E.G., CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION OPERATIONS (E.S., CUNCRETE, STUCCO, PAINT, PORM RELEASE OLS, CURING COMPONDS AND OTHER CONSTRUCTION MATERIALS RELATED TO THE CONSTRUCTION ACTIVITY. PERMITTESS MUST PREVENT LIQUID AND SOLID WASHOUT WASTES RROM CONTACTING THE GROUND AND MUST DESIGN THE CONTAINMENT SO IT DOES NOT RESULT IN RUNOFF FROM THE WASHOUT OPERATIONS OR A REAS. PERMITTEES MUST PROPERLY DISPOSE LIQUID AND SOLID WASHES IN COMPLIANCE WITH MPCA RULES, PERMITTEES MUST INSTALL A SIGN INDICATING THE LOCATION OF THE WASHOUT FACILITY. MINN. R. 7035, MINN.

13.3 PERMITTEES MUST CLEAN THE PERMANENT STORMWATER TREATMENT SYSTEM OF ANY ACCUMULATED SEDIMENT AND MUST ENSURE THE SYSTEM MEETS ALL APPLICABLE REQUIREMENTS IN SECTION 15 THROUGH 19 AND IS OPERATING AS DESIGNED IMIN. R. 70901

13.4 PERMITTEES MUST REMOVE ALL SEDIMENT FROM CONVEYANCE SYSTEMS PRIOR TO SUBMITTING THE NOT. [MINN. R 7090]

13.5 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]

TO SOURCE THE TOT, FERRET LEAVE BINS DESIGNED TO DECOMPOSE ON STILL IN PLACE, MINN, R. (7090) 138 FOR RESIDENTIAL CONSTRUCTION ONLY. PREMIT COVERAGE TERMINANTES ON INDIVIDUAL 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 SHEEP' TO THE HOMEOWNER, MINN, R. (7091)

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]

14.2 WHERE FIVE (5) OR MORE ACRES OF DISTURBED SOL BRAIN TO A COMMON LOCATION, PERMITTEES MUST PROVIDE A TEMPORARY SEDIMENT BASIN TO PROVIDE TREATMENT OF THE RUNOFF BEFORE IT LEAVES THE CONSTRUCTION SITE OR ENTERS SURFACE WATERS, PERMITTEES MAY CONVERT A THERPORARY SEDIMENT BASIN TO A PERMANENT AGAIN AFTER CONSTRUCTION IS COMPLETE. THE TEMPORARY BASIN IS NO LONGER RECURED WHEN FERMANENT COATION IS AND AFTER THE ACREACE OF DISTURBED SOLT TO LESS THAN FIVE (5) ACRES DRAINING TO A COMMON LOCATION, PROVISIONS TO MINI THE ACREACE OF DISTURBED SOLT TO LESS THAN FIVE (5) ACRES DRAINING TO A COMMON LOCATION, PROVISIONS TO MINI

14.3 THE TEMPORARY BASIN MUST PROVIDE LIVE STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A TWO (2)-YEAR, 24-HOUR STORM FROM EACH ACRE DRAINED TO THE BASIN OR 1,800 CUBIC FEET OF LIVE STORAGE PER ACRE DRAINED, WHICHEVER IS GREATER, JUNN, R. 7050]

14 WHERE PERMITTES 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 6 PERMITTEES MUST DESIGN THE OUTLET STRUCTURE TO WITHDRAW WATER FROM THE SURFACE TO MINIMIZE TH I SUCCESSION INCOMENTATION OF A DULLET STRUCTURE TO WITHORAW WATER FROM THE SURFACE TO NINIMUZE THE DISCHARGE OF POLLUTATIS. PERMITTES MAY TEMPORARIUS SUSPEND 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 7060)

14.5 PERMITTEES MUST DESIGN BASIN OUTLETS TO PREVENT SHORT-CIRCUITING AND THE DISCHARGE OF FLOATING DEBRIS

14.7 PERMITTEES MUST PROVIDE ENERGY DISSIPATION FOR THE BASIN OUTLET WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER. (MINN. R. 7090)

14.8 PERMITTEES MUST LOCATE TEMPORARY BASINS OUTSIDE OF SURFACE WATERS AND ANY BUFFER ZONE REQUIRED IN ITEM 23.11. (MINN. R. 7090)

14.9 PERMITTEES MUST CONSTRUCT THE TEMPORARY BASINS PRIOR TO DISTURBING 10 OR MORE ACRES OF SOIL DRAINING TO A COMMON LOCATION. [MINN. R. 7080]

PERMITIES MUST INSTALLEPECTIVE SEUMENT CONTINUES SUCH AS SMALLER SEUMENT BASINS ANDON SEDMENT TANS SITE FENCES, VEGETATIVE EURFER STRIPS OR ANY APPRIVMENTAE COMBINATION OF MEASURES AS DICTATED BY INDIVIDUAL SITE CONDITIONS IN DETERMINING WHETHER INSTALLING A SEDMENT BASINS IS INFEASIBLE, PERMITTEES MUST CONSIDER PUBLIC SAFETY AND MAY CONSIDER FACTORS SUCH AS SITE SOLS, SLOPE, AND AVAILABLE AREA ON-SITE. PERMITTEES MU DOCUMENT THIS DETERMINATION OF INFEASIBILITY IN THE SWPPP, MINNE, R 7050]

TE2 PERMITTEES MUST DESIGN THE FROJECT SO ALL STORMWATER DISCHARGED FROM THE PROJECT DURING AND AFTER CONSTRUCTION ACTIVITIES DOES NOT CAUSE A VOLATION OF STATE WATER QUALITY STANDARDS, INCLUDING NUISANCE CONDITIONS, EROSION IN RECEIVING CHAMBES OR ON DOWNSLOPE PROPERTIES, OR A SIGNIFICANT ADVERSE IMPACT TO

TIS S PERMITTEES MUST DESIGN AND CONSTRUCT A PERMANENT STORMAYTER TREATMENT SYSTEM TO TREAT THE WATE QUALITY VOLUME IF THE PROJECTS ULTIMATE DEVELOPMENT REPLACES VEGETATION AND/OR OTHER PREVIOUS SUPRACE GREATING A NET INCREASE OF ONE (1) OR MORE ACRES OF CUMULIATVE IMPERVIOUS SUPRACE [MINN. R. 7050]

15.4 PERMITTEES MUST CALCULATE THE WATER OUALITY VOLUME AS ONE (1) INCH TIMES THE NET INCREASE OF IMPERVIOUS SURFACES CREATED BY THE PROJECT, IMINI, R. 70901

SURFACES CREATED BY THE PROJECT [MINN: R. 700] 15.5 PERMITTEES NUST FIRST CONSIDER VOLUME REQUIZION PRACTICES ON-SITE (E.G., INFILTRATION OR OTHER) WHEN DESIGNING THE PERMANENT STORNWATER TREATMENT SYSTEM. IF THIS PERMIT PROHIBITS INFILTRATION AS DESCRIBED AN ITEM 16 14 THROUGH ITEM 16 21, PERMITTEES MAY CONSIDER A WET SEDMENTATION BASIN, FILTRATION AS DESCRIBED AN POND. THIS PERMIT DOES NOT CONSIDER WET SEDMENTATION BASINS AND FILTRATION SYSTEMS TO BE VOLUME REDUCTION PRACTICES (MINN, R. 700)

4.10 WHERE A TEMPORARY SEDIMENT BASIN MEETING THE REQUIREMENTS OF ITEM 14.3 THROUGH 14.9 IS INFEASIBLE PRIVITEES MUST HISTALL EFFECTIVE SEDIMENT CONTROLS SUCH AS SMALLER SEDIMENT BASINS AND/OR SEDIMENT

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

CONDITIONS, EROSION IN RECEIVING CHANNELS OR ON DOWNSLOPE PROPE WETLANDS CAUSED BY INUNDATION OR DECREASE OF FLOW [MINN. R, 7090]

13.1 PERMIT TERMINATION CONDITIONS. [MINN. R. 7090] TATE FEMILE LEMILET COMPLETE ALL CONSTRUCTION ACTIVITY AND MUST INSTALL PERMANENT COVER OVER ALL AREAS PRIOR TO SUBMITTING THE NOT. VEGETATIVE COVER MUST CONSIST OF A UNIFORM PERENNAL VEGETATION WITH A DENSITY OF 70 PERCENT OF ITS EXPECTED FINAL GROWTH. VEGETATION IS NOT REQUIRED WHERE THE FUNCTION OF A SPECIFIC AREA DICTATES NO VEGETATION, SUCH AS IMPERVIOUS SURFACES OR THE BASE OF A SAND FILTER. [MINN. R. 7059]

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

15.5 PERMITTEES MUST FIRST CONSIDER VOLUME REDUCTION PRACTICES ON-SITE (E.G., INFILTRATION OR OTHER) WHEN DESIGNING THE PERMANENT STORMWATER TREATMENT SYSTEM. IF THIS PERMIT PROHIBITS INFILTRATION AS DESCRIBED IN ITEM 16.14 THROUGH ITEM 16.2.1, PERMITTEES MAY CONSIDER A VET SEGMENTATION BASIN, PILTRATION PASION OR REGIONAL POND. THIS PERMIT DOES NOT CONSIDER WET SEDIMENTATION BASINS AND FILTRATION SYSTEMS TO BE VOLUME REDUCTION PRACTICES. JUNN. R. 7300

15.6 FOR PROJECTS WHERE THE FULL VOLUME REDUCTION REQUIREMENT CANNOT BE MET ON-SITE, (E.G., THE SITE HAS INFILTRATION PROHIBITIONS), PERMITTEES MUST DOCUMENT THE REASONS IN THE SWPPP. [MINN. R. 7090] 15.7 PERMITTEES MUST DISCHARGE THE WATER ONALITY VOLUME TO A PERMANENT STORMWATER TREATMENT SYSTEM

RIOR TO DISCHARGE TO A SURFACE WATER. FOR PURPOSES OF THIS ITEM, SURFACE WATERS DO NOT INCLUDE MAN MADE DRAINAGE SYSTEMS THAT CONVEY STORMWATER TO A PERMANENT STORMWATER TREATMENT SYSTEM. (MINN. R. 7090) 15.6 WHERE THE PROXIMITY TO BEDROCK PRECLUDES THE INSTALLATION OF ANY OF THE PERMANENT STORMWATER TREATMENT PRACTICES REQUIRED BY SECTIONS 15 THROUGH 19, PERMANENT SITURT STORMWATER GRASSED SWALES, SMALLER PONDS, OR GRIT CHAMBERS, PRIOR TO THE DISCHARGE OF STORMWATER TO SURFACE WATER ININN D. 2001

(MINN. R. 7680) 15.9 FOR LINEAR PHOLECTS WHERE PERMITTEES CANNOT TREAT THE ENTIRE WATER OUALITY VOLUME WITHIN THE EXISTING RIGHTOF-WAY, PERMITTEES MUIST MAKE A REASONABLE ATTEMPT TO OBTAIN ADDITIONAL RIGHT-OF-WAY, EASEMENT OR OTHER PERMISSION FOR STORMATER TREATMENT DURING THE PROJECT PLANNING PROJECSS. DOCUMENTATION OF THESS ATTEMPTS MUST BE IN THE SWIPP, PERMITTEES MUIST STILL CONSIDER VOLUME REDUCTION PRACTORS FIRST AS DESCRIBED IN ITEM 15.5. IF PERMITTEES CANNOT OBTAIN ADDITIONAL RIGHT-OF-WAY, EASEMENT OR OTHER PERMISSION, THEY MUST MAXIMUZE THE TREATMENT OF THE WATER QUALITY VOLUME PRIOR TO DISCHARGE TO SUFFACE WATERS. (MINN. R. 7090)

16.1 INFILTRATION SYSTEMS. (MINN. R. 7090)

16.2 INFILTRATION OPTIONS INCLUDE, BUT ARE NOT LIMITED TO: INFILTRATION BASINS, INFILTRATION TRENCHES, RAINWATER GARDENS, DIRETENTION AREAS WITHOUT UNDERDRANKS, SWALES WITH IMPERMEABLE CHECK DAMS, AND NATURAL DEPRESSIONS. IF PERMITTERS UTILIZE AN INFILTRATION SYSTEM TO MEET THE REQUIREMENTS OF THIS PERMIT, THEY MUST MECOMPLIANTE THE DESIGN PARAMETERS IN ITEM 16.3 THROUGH ITEM 16.21, REVINTERS MOST POLICY THE MEITTANON PERMIT, DINN IS 14 ANYTIME AN INFILTRATION SYSTEM IS DESIGNED, INCLUDING THOSE NOT REQUIRED BY THIS PERMIT, CAMPLE, R. 7000

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). [ININ: R. 7:00]

6.4 PERMITTEES MUST NOT EXCAVATE INFILTRATION SYSTEMS TO FINAL GRADE, OR WITHIN THREE (3) FEET OF FINAL GRADE. UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN CONSTRUCTED AND FULLY STABLIZED UNLESS THEY PROVIDE RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS (E.G., DIVERSION BERMS) TO KEEP SEDIMENT AND RUNOFF COMPLETELY AWAY FROM THE INFILTRATION AREA, IMINN, R. 7050]

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

ARDS., MININ, R. 7090) 166 PERNITTES MUST USE A PRETREATMENT DEVICE SUCH AS A VEGETATED FILTER STRIP, FOREBAY, OR WATER QUALITY INLET (E.G., GRIT CHAMBER) TO REMOVE SOLIDS, FLOATING MATERIALS, AND OIL AND GREASE FROM THE RUNOFF, TO THE MAXIMUM EXTENT PRACTICABLE, BEFORE THE SYSTER MOUTES STORMWATER TO THE INFILTRATION SYSTEM, MINN, R. 7090) IS 7 PERMITTERS INST DESIGN UNRULAS OF VALUES 13 FEB INDUCES 310 MINING IN UNRULAS (ALCULATED AS AN INSTANTANEOUS VOLUME) OF ONE (1) INCH OF RUNOFF, OR ONE (1) INCH MINIS THE VOLUME OF STORMWATER TREATED BY ANOTHER SYSTEM ON THE SITE, FROM THE NET INCREASE OF IMPERVIOUS SURFACES CREATED BY THE PROJECT. (MININ, R.

16.8 PERMITTEES MUST DESIGN THE INFILTRATION SYSTEM TO DISCHARGE ALL STORMWATER (INCLUDING STORMWATER IN EXCESS OF THE WATER OUALITY VOLUME) ROUTED TO THE SYSTEM THROUGH THE UPPERMOST SOIL SURFACE OR ENGINEERED MEDIA SURFACE WITHIN 48 HOURS, PERMITTEES NUST ROUTE ADDITIONAL FLOWS THAT CANNOT INFILTRATE WITHIN 48 HOURS TO INVASS THE SYSTEM THROUGH A STABILIZED DISCHARCE POINT, MINN, R. 75301

16.9 PERMITTEES MUST FACINDE A MEANS TO VISUALLY VERIFY THE INFIL TRATION SYSTEM IS DISCHARGING THROUGH THE SOIL SURFACE OR FILTER MEDIA SURFACE WITHIN 48 HOURS OR LESS. [MNN. R. 7090] 16.10 PERMITTERS MUST PHOVIDE AT LEAST ONE SOIL BORING, TEST PIT OR INFILTROMETER TEST IN THE LOCATION OF THE INFILTRATION PRACTICE FOR DETERMINING INFILTRATION RATES. [MINN. R. 7090]

16.11 FOR DESIGN PURPOSES, PERMITTEES MUST DIVIDE FELD MEASURED INFILITATION RATES BY 2 AS A SAFETY FACTOR OR PERMITTEES CAN USE SOL-BORING RESULTS WITH THE INFILITATION RATE CHARTIN THE MINNESOTA STORMWATER MANUAL TO DETERMINE DESIGN INFILITATION RATES WHEN SOL BLORMÓS INDICATE TYPE A SOLIS, PERMITTES SHOLD DERFORM FIELD MEASUREMENTS TO VERIFY THE RATE IS NOT ABOVE AS INCHES PER HOUR. THIS PERMIT PEROHBITS INFILITRATION IF THE FIELD MEASUREMENTS TO VERIFY THE RATE IS NOT ABOVE AS INCHES FER HOUR. THIS PERMIT PROHBITS INFILITRATION IF THE FIELD MEASUREMENTS TO VERIFY THE CATE IS NOT ABOVE AS INCHES FER HOUR. HINN R. 7001

THE THE MUST MENOWING THE INTERTOTION TO LED DUCE DO INCLEMENTED FEIT FURTH, [MINN, R. 7080] IS 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. 7080]

16.13 PERMITTEES MUST DESIGN A MAINTENANCE ACCESS. TYPICALLY EIGHT (8) FEET WIDE, FOR THE INFILTRATION SYSTEM. (MINN) R. 70301

UE1.1 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS THAT RECEIVE RUNOFF FROM VEHICLE FUELING AND MAINTENANCE AREAS INCLUDING CONSTRUCTION OF INFILTRATION SYSTEMS NOT REQUIRED BY THIS PERMIT, IMIN. R. 7090)

PERMIT, MINN, K. (1990) 16.15 THIS FEMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS WHERE INFILTRATING STORMWAT MAY MOBILIZE HIGH LEVELS OF CONTAMINANTS IN SOLIO R GROUNDWATER, PERMITTEES MUST EITHER COMPLETE TH-E MPCA'S CONTAMINATION SCREENING CHECKLIST OR CONDUCT THEIR OWN ASSESSMENT TO BETERMINE THE SUITABILITY OF INFILTRATION, PERMITTEES MUST RETAIN THE CHECKLIST OR ASSESSMENT WITH THE SWIPPP, FOR MORE INFORMATION AND TO ALCCESS THE MPCA'S TOCHTAMINATION SCREENING CHECKLIST SEC STORMWATER MANUAL, MINN, R. ILITY FOR

TO BUT TO A DESCRIPTION OF A DESCRIPTIONO OF A DESCRIPTIONO OF A DESCRIPTIONO OF A DESCRIPT

TABLE BELLOW 63 MODES FEE FOR UNITY 1. 70501 (14) THIS PERMITTES PERMITTES FOR MON CONSTRUCTING INFILTRATION SYSTEMS IN AREAS WITH LESS THAN THREE (3) FEET OF SEPARATION DISTANCE FROM THE BOTTION OF THE INFILTRATION SYSTEM TO THE ELEVATION OF THE SEASONALLY SATURATED SOLS OF THE TOP OF BEDRICK, MON R. 70501

16.18 THIS PERMIT PACHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS IN AREAS OF PREDOMINATELY HYDROLOGIC SOL, GROUP TYPE D SOLLS (CLAY), IMINI R. 7090)

16.19 THIS PERMIT PROHIBITS PERMITTEES FROM CONSTRUCTING INFILTRATION SYSTEMS WITHIN A DRINKING WATER SUPPLY MANAGEMENT AREA (DWSMA) AS DEFINED IN MINN. R 4720.5100, SUBP. 13, IF THE SYSTEM WILL BE LOCATED: A IN AN EMERGENCY RESPONSE AREA (REA) WITHIN A DWSMA CLASSIFIED AS HAVING HIGH OR VERY HIGH VULNERABILITY AS DEFINED BY THE MINNESOTA DEPARTMENT OF HEALTH: OR

B. IN AN ERA WITHIN A DWEMA CLASSIFIED AS MODERATE VULNERABILITY UNLESS A REGULATED MS4 PERMITTEE PERFORMED CIT APPHOVED A HIGHER LEVEL OF ENGINEERING REVIEW SUFFICIENT TO PROVIDE A FUNCTIONING TREATMENT SYSTEM AND TO PITEVENT ADVERSE IMPACTS TO GROUNDWATER; OR

C. OUTSIDE OF AN ERA WITH A DWISAK CLASSIFIED AS HAVING HIGH OR VERY HIGH VULNERABILITY, UNLESS A REGULATED MSA PERMITTEE FERFORMED OR APPROVED A HIGHER LEVEL OF ENGINEERING REVIEw SUFFICIENT TO PROVIDE A FUNCTIONING TREATMENT SYSTEM AND TO PREVEN TA DVERSE IMPACTS TO GROUNDWATER. SEE: "HIGHER LEVEL OF ENGINEERING REVIEW" IN THE MINNESOTA STORMMATER MANUAL FOR MORE INFORMATION. IMINN. R.

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]

Or disordery on two rest ourmoundent of AUTRE RANST FEATURES, MINN, R. 2003] Te21 This permit rendmists permittees FROM CONSTRUCTING INFLICTATION SYSTEMS IN AREAS THAT RECEIVE RUNOFF FROM THE FOLLOWING INDUSTRIAL FACILITIES NOT AUTHORIZED TO INFLICTATE STORMWATER UNDER THE PROES STORMWATER FERMIT FOR INDUSTRIAL FACILITIES NOT AUTHORIZED TO INFLICTATE STORMWATER UNDER THE REVECTION STORMWATER FERMIT FOR INDUSTRIAL ACTIVITIES. AUTOMOLIE SAULAGE VARDS, SCARP RECYCLING AND WASTE RECYCLING FACILITIES: HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES: OR AIR TRANSPORTATION FACILITIES THAT CONDUCT DEIGNA COTIVITIES (MINN R. 7006)

17.1 FILTRATION SYSTEMS, IMINN, R. 70901

TOADS

12 FILTRATION OPTIONS INCLUDE, BUT ARE NOT LIMITED TO: SAND FILTERS WITH UNDERDRAINS, BIOFILTRATION AREAS, SWALES USING UNDERDRAINS WITH IMPERMEABLE CHECK DAMS AND UNDERGROUND SAND FILTERS. IF PERMITTEES UTILIZE A FILTRATION SYSTEM TO MEET THE PERMANENT STORMWATER TREATMENT REQUIREMENTS OF THIS PERMIT, THEY MUST COMPLY WITH ITEMS 17.3 THROUGH 17.11, JUNIN, R. 7090]

COMPECT WITH TEMS OF 35 TRADUCT IT TO THE DRIVEN TO TOOL 17.3 PERMITTEES MUST NOT INSTALL, FILTER MEDIA UNTIL THEY CONSTRUCT AND FULLY STABILIZE THE CONTRIBUTING DRAIMAGE AREA UNLESS THEY PROVIDE RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS (C. O. DURENSION BERMS) TO REEP SEDIMENT AND RUNDEF COMPLETELY AWAY FROM THE FILTRATION AREA (MINN. R. 7090) 17.4 PERMITTEES MUST DESIGN FILTRATION SYSTEMS TO REMOVE AT LEAST 80 PERCENT OF TSS. [MINN. R. 7090]

1.5 PERMITTEES MUST USE A PRETHEATING TO THE TO THE OLD THE REPORT AT LEASE OF PERMEMY OF TSS. (MINN: K. (99) 1.5 PERMITTEES MUST USE A PRETHEATING TO EVICE SUCH AS A VEGETATED FILTER STRIP, SMALL SEDIMENTATION BASIN, WATER QUALITY INLET, FOREBAY OR HYDRIODYNAMIC SEPARATOR TO REMOVE SETTLEABLE SOLIDS, FLOATING MATERIALS, AND OLIS AND GREASE FROM THE RUNOFF; TO THE MAXIMUM EXTENT PRACTICABLE, BEFORE RUNOFF ENTERS THE FILTRATION SYSTEM, (MINN: R. 7050)

17.6 PERMITTEES MUST DESIGN FILTRATION SYSTEMS TO TREAT A WATER QUALITY VOLUME (CALCULATED AS AN INSTANTAREOUS VOLUME) OF ONE (1) INCH OF RUNCHF, OR ONE (1) INCH MINUS THE VOLUME OF STORMWATER TREATED BY ANOTHER SYSTEM ON THE SITE, FROM THE NET INCREASE OF IMPERVIOUS SURFACES CREATED BY THE PROJECT. [MINN. R. 7090]

1/13/ 17 PERMITTEES MUST DESIGN THE FILTRATION SYSTEM TO DISCHARGE ALL STORMWATER (INCLUDING STORMWATER IN EXCESS OF THE WATER OUALITY 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 46 HOURS MUST BYPASS THE SYSTEM OR DISCHARGE THROUGH AN EMERGENCY OVERFLOW, IMMIN R. 7000] 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]

17.9 PERMITTEES MUST EMPLOY APPROPRIATE ON-SITE TESTING TO ENSURE A MINIMUM OF THREE (3) FEET OF SEPARATION BETWEEN THE SEASONALLY SATURATED SOLS (OR FROM BEDROCK) AND THE BOTTOM OF THE PROPOSED FILTRATION SYSTEM [MINN R 7090]

7 10 PERMITTEES MUST ENSURE THAT FILTRATION SYSTEMS WITH LESS THAN THREE (3) FEET OF SEPARATION BETWEEN EASONALLY 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,

STORM WATER POLLUTION PREVENTION PLAN JAM HOPS DANCE STUDIO BLDG ADDITION

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	EN 67 SU	PRI	I hereby certify that this plan was prepared by me or under my direct supervision and that I am a	DATE REVISION DESCRIPTION	CHC M	
	& ENG		duly Licensed Professional Engineer under the laws of the State of Minnesola.		KD BY: I,Q.A. BINAL DAT AUGUS	WN BY
		ONE	Charlen Blone		PRO. 22: TE:	
			CHARLES W. PLOWE DATE: 5.3.2023 LIC. NO. 18227		. NO. -1961 :022	IGN BY. N.P.

18.1 WET SEDIMENTATION BASIN. [MINN. R. 7/ 18.2 PERMITTEES USING A WET REDIMENTATION BASIN OF THIS PERMIT MUST INCOMPOSITIE THE DESIGN PAR	TO MEET THE PERMANENT STORMWATER TREATMENT	TREQUIREMENTS	PROJECT NAME JAM HOPS DANCE STUDIO		REVEGETATION SPECIFICATIONS				
18.3 PERMITTEES MUST DESIGN THE BASIN TO HAVE A	PERMANENT VOLUME OF 1,800 CUBIC FEET OF STORA	GE BELOW THE			ITEM	MNDOT	SPECIFICATION/NOTE	S ME	EST MAI
OUTLET PIPE FOR EACH ACRE THAT DRAINS TO THE BA OF AT LEAST THREE (3) FEET AND MUST HAVE NO DEPI TO MINUTE SOCIED OF DESCRIPTION OF COLORS	IN DESIN'S PERMANENT VOLUME MUST REACH.	GURE THE BASIN	PROJECT LOCATION PID: 32-32-23-43-0013		SOD		3878	MAI	CONTR
TO MINIMIZE SCOUR OR RESUSPENSION OF SOLIDS. [M 18.4 PERMITTEES MUST DESIGN THE BASIN TO PROVIDE	E LIVE STORAGE FOR A WATER QUALITY VOLUME (CAL	CULATED AS AN			SEED **		3876		OIDANG
INSTANTANEOUS VOLUME) OF ONE (1) INCH OF RUNOF ANOTHER SYSTEM ON THE SITE, FROM THE NET INCRE	F, OR ONE (1) INCH MINUS THE VOLUME OF STORMWAT ASE IN IMPERVIOUS SURFACES CREATED BY THE PRO	JECT. [MINN. R.			FOR TURF ESTABLISHMENT COMMERCIAL TURF	MNDOT !	WIX 25-131 (220 LBS/ACI	HO	USEKE
7090] 18.5 PERMITTEES MUST DESIGN BASIN OUTLETS SO TH FEET PER SECOND (CFS) PER ACRE OF SURFACE AREA	E WATER QUALITY VOLUME DISCHARGES AT NO MORE	THAN 5.66 CUBIC	LATITUDE: 45.212 LONGITUDE: -93.232		RESIDENTIAL TURF		MIX 25-131 (120 LBS/AC MIX 21-112 (100 LBS/AC		ONSTRU
FEET PER SECOND (CFS) PER ACRE OF SURFACE AREA 18.6 PERMITTEES MUST DESIGN BASIN OUTLETS TO PR					TEMPORARY FALL COVER SPRING/SUMMER	MNDOT N	MIX 21-111 (100 LBS/AC	RE) ACI	RE, INC
BASIN OUTLETS MUST HAVE ENERGY DISSIPATION. (MIN	IN. R. 7090]		DEVELOPER STONE CONSTRUCTION, IN	IC.	SOIL-BUILDING COVER 1-2 YEARS COVER		MIX 21-113 (110 LBS/ACI WIX 22-111 (30.5 LBS/AC	PLA	AN WILI
18.7 PERMITTEES MUST DESIGN THE BASIN TO INCLUDE EVENTS IN EXCESS OF THE BASIN'S HYDRAULIC DESIGN		DDATE STORM	2181 107TH LANE NE BLAINE, MN 55449		2-5 YEARS COVER		MIX 22-112 (40 LBS/ACF	RE) SO	IL COV
18.8 PERMITTEES MUST DESIGN A MAINTENANCE ACCE 18.9 PERMITTEES MUST LOCATE BASINS OUTSIDE OF S				LSTONE	MULCH	3862 (T)	YPE 1 - DISC ANCHORE 3861	LEA	POGR/ AD TO
PERMITTEES MUST DESIGN BASINS TO AVOID DRAINING COMPLIES WITH THE REQUIREMENTS OF SECTION 22. [3 WATER FROM WETLANDS UNLESS THE IMPACT TO TH	E WETLAND		784-1950 L.S@STONECONSTRUCTIONINC.COM	WOOD FIBER BLANKET	3	885 (CATEGORY 0)	OF	ROUT
18.10 PERMITTEES MUST DESIGN BASINS USING AN IMP 70901		FERRAIN. (MINN. R.		NT STORMWATER TREATMENT SYSTEMS	MOW A MINIMUM OF: RESIDENTIAL TURF - ONCE PER 2 WEE	EVO		DO	DRAUL
	14000 D 7000		THE PROJECT CONSISTS OF EXPANSION FOR JAM HOPS I	THE CONSTRUCTION OF A NEW BUILDING AND PARKING LOT DANCE STUDIO.	COMMERCIAL TURF - ONCE PER 4 WEI			UN	IDERLY
19.1 REGIONAL WET SEDIMENTATION BASINS 19.2 WHEN THE ENTIRE WATER QUALITY VOLUME CANN		REATE REGIONAL		WANAGEMENT TREATMENT SYSTEMS PER MPCA RULES, CITY	** SEEDED AREAS SHALL BE EITHER MI TO PROTECT SEEDS AND LIMIT EROSIC		ERED BY FIBROUS BLAI	"DE	INN. R. EWATE
WET SEDIMENTATION BASINS PROVIDED THEY ARE CO (WETLANDS USED AS REGIONAL BASINS MUST BE MITIC	NSTRUCTED BASINS, NOT A NATURAL WETLAND OR W SATED FOR, SEE SECTION 22). THE OWNER MUST ENSI	ATER BODY, JRE THE REGIONAL	OF HAM LAKE, AND COON CE PROJECT.	REEK WATERSHED DISTRICT ARE REQUIRED FOR THIS	QUANTITIES - ESTIMATED QUANTITIE		ION AND SEDIMEN	T CONTROL MEASURES RE	QUIRE
BASIN CONFORMS TO ALL REQUIREMENTS FOR A WET AND MUST BE LARGE ENOUGH TO ACCOUNT FOR THE	ENTIRE AREA THAT DRAINS TO THE REGIONAL BASIN. I	PERMITTEES MUST			TYPE	ΟΤΥ	UNIT	PEI	RMIT A
VERIFY THAT THE REGIONAL BASIN WILL DISCHARGE A AND MUST PROVIDE A LIVE STORAGE VOLUME OF ONE	INCH TIMES ALL THE IMPERVIOUS AREA DRAINING TO	THE BASIN.			SILT FENCE		LINEAR FEET		ROSION
PERMITTEES CANNOT SIGNIFICANTLY DEGRADE WATER MUST OBTAIN WRITTEN AUTHORIZATION FROM THE AP DECIONAL BASIN (MINUS 2009)	PLICABLE LGU OR PRIVATE ENTITY THAT OWNS AND M	IAINTAINS THE			RIP-RAP W. GEO-FABRIC	24	CUBIC YARDS	R.I	7090]
REGIONAL BASIN. (MINN. R. 7090)			SITE IMPERVIOUS AREA	<u>s</u>	TURF REINFORCEMENT MAT (ENKAMAT) SEED & MULCH (GENERAL)		SQUARE YARDS ACRE	W	ENERAL
20.1 SWPPP AVAILABILITY. [MINN. R. 7090]				BEFORE AFTER CONSTRUCTION CONSTRUCTION	ROCK CONSTRUCTION ENTRANCE	1	EACH	CO	D SPE
20.2 PERMITTEES MUST KEEP THE SWPPP, INCLUDING THE SITE DURING NORMAL WORKING HOURS BY PERM	ALL CHANGES TO IT, AND INSPECTIONS AND MAINTENA ITTEES WHO HAVE OPERATIONAL CONTROL OF THAT F	ANCE RECORDS AT	TOTAL SITE AREA	5.14 ACRES	SOD		SQUARE YARDS	GE	E ENT
SITE. [MINN. R. 7090]			TOTAL ESTIMATED IMPER		EROSION CONTROL BLANKET		SQUARE YARDS		ROUND
21.1 TRAINING REQUIREMENTS. [MINN. R. 709		TAUD EVITENT OF		0.48 ACRE INCREASE IN IMPERVIOUS	INLET PROTECTION	!'	EACH	TH	E SATI
21.2 PERMITTEES MUST ENSURE ALL OF THE FOLLOWII THE TRAINING IS COMMENSURATE WITH THE INDIVIDUA COVERED UNDER THIS PERMIT:	AL'S JOB DUTIES AND RESPONSIBILITIES WITH REGARD	TO ACTIVITIES	TOTAL DISTURSES INT					SE	DIMEN
A. INDIVIDUALS PREPARING THE SWPPP FOR THE PRO	DJECT.		TOTAL DISTURBED ARE 1.58 ACRES	<u>A</u>	1. A COPY OF THE APPROVED EROSION			TCONTROL MEASURES	OMEOV
B. INDIVIDUALS OVERSEEING IMPLEMENTATION OF, F INSPECTIONS FOR THE PROJECT, ONE OF THESE II	EVISING AND/OR AMENDING THE SWPPP AND INDIVIDE NDIVIDUALS MUST BE AVAILABLE FOR AN ONSITE INSP	JALS PERFORMING ECTION WITHIN 72			MUST BE AVAILABLE ON THE PROJEC 2. CONTRACTOR SHALL INSTALL SILT FE	CT SITE AT ALL TIM	NES.		IE TIME
HOURS UPON REQUEST BY THE MPCA. C. INDIVIDUALS TERFORMING OR SUPERVISING THE I				AND FINAL GRADES AND DESIGN CALCULATIONS	2.1. ADDITIONAL SILT FENCE MAY BE 2.2. THE CONTRACTOR SHALL MAINTA	NECESSARY IF LO	OCAL CONDITIONS REC		RACTIC
21.3 PERMITTEES MUST ENSURE INDIVIDUALS IDENTIFI	ED IN SECTION 21 RECEIVE TRAINING FROM LOCAL, ST	ATE, FEDERAL	DENOTING DRAINAGE ARE	AGE REPORT" FOR EXISTING AND PROPOSED AREA MAPS, A BOUNDARIES, DIRECTIONS OF FLOW, AND DISCHARGE POINTS	ACCUMULATED SEDIMENT, THRO 2.3. SILT FENCE SHALL REMAIN IN-PL	DUGH COMPLETIO	IN OF BUILDING CONST	RUCTION. 705	90)
AGENCIES. PROFESSIONAL ORGANIZATIONS, OR OTHE CONTROL, PERMAMENT STORMWATER TREATMENT AN PERMITTEES MUST ENSURE THESE INDIVIDUALS ATTER	D THE MINNESOTA NPDES/SDS CONSTRUCTION STOR	MWATER PERMIT.	WHERE STORMWATER LE	AVES THE SITE.	3. CONTRACTOR SHALL INSTALL THE RO CONSTRUCTION TRAFFIC ENTERS ON	OCK CONSTRUCT	ION ENTRANCE WHERE	EVER AS	SOON
7090]	ND A REPRESHER-TRAINING COURSE EVERT THREE (3)	TEARS. (MINN. R.	RECEIVING WATERS WI	THIN ONE MILE	4 CONTRACTOR TO INSTALL TREE PRO	DITECTION FENCING	G AS APPLICABLE	CE	EASE, IF
23.1 ADDITIONAL REQUIREMENTS FOR DISC				TYPE OF SPECIAL IMPAIRED	 CONTRACTOR SHALL PERFORM SITE MINIMIZE UNSTABILIZED AREAS. CONTRACTOR MUST IMMEDIATEL 			CA	TE WILL
AND IMPARIED WATERS. [MINN. R. 7090]			NAME OF WATER BODY	WATER BODY WATER WATER	AREAS, AS DESCRIBED IN ITEM 8. STABILIZATION WITHIN SEVEN (7)	3.4 OF THE PERMIT	T, AND COMPLETE THE	P.	APPLY
23.6 DISCHARGES TO THE TROUT STREAMS (OTHER SF THE BMPS OUTLINED IN ITEMS 23.9, 23.10, 23.11, AND 23	PECIAL WATER) LISTED IN MINN. R. 6264.0050, SUBP. 4 M 3.12. [MINN.R.6264.0050, SUBP. 4]	UST INCORPORATE	ON-SITE POND OFF-SITE POND	BASIN NO NO BASIN NO NO	ACTIVITY IN THAT PORTION OF TI CEASES.	HE SITE TEMPOR	ARILY OR PERMANENTI	LY OR	R
23.9 PERMITTEES MUST IMMEDIATELY INITIATE STABILI COMPLETE STABILIZATION WITHIN SEVEN (7) CALENDA	ZATION OF EXPOSED SOIL AREAS, AS DESCRIBED IN IT	EM 6.4 AND PORTION OF THE			6. CONTRACTOR TO PROTECT PERMAN	JENT STORMWATE	ER MANAGEMENT FACIL	ITIES	SEEDI
SITE TEMPORARILY OR PERMANENTLY CEASES. [MINN.	R. 7090]				FROM CONSTRUCTION RUN-OFF. 6.1. INFILTRATION SYSTEMS MUST NO	OT BE EXCAVATE	D TO FINAL GRADE UNI	TIL THE ST.	ABILIZ
23.10 PERMITTEES MUST PROVIDE A TEMI ORARY SED LOCATIONS THAT SERVE AN AREA WITH FIVE (5) OR MO	DRE ACRES DISTURBED AT ONE TIME. [MINN.R. 7090]		BUFFER TO SURFACE W		CONTRIBUTING DRAINAGE AREA STABILIZED.			CO	FINALI
23.11 PERMITTEES MUST INCLUDE AN UNDISTURBED B WATER (NOT INCLUDING TRIBUTARIES) AND MUST MAIL	NTAIN THIS BUFFER ZONE AT ALL TIMES, BOTH DURING	CONSTRUCTION	THE SUBSACE	RAINS TO A SURFACE WATER, IS A 50-FT NATURAL BUFFER ADJACENT TO WATER PRESERVED?	 CONTRACTOR TO SHALL PAY SPECIA ENSURE THE EROSION CONTROL PR/ MICH AND ADDRESS OF DEPARTMENT ON TO ADDRESS 	ACTICES INPLACE	IN THOSE AREAS PRE	VENT	ADLIN
AND AS A PERMANENT FEATURE POST CONSTRUCTION NECESSARY TO COMPLETE THE PROJECT, PERMITTEE BUFFER ENCROACHMENT IS NECESSARY IN THE SWPP	S MUST FULLY DOCUMENT THE CIRCUMSTANCE AND F	EASONS THE	NOTE: NATUR	AL BUFFERS ARE NOT REQUIRED ADJACENT TO ROAD DITCHES, CHES, COUNTY DITCHES, STORMWATER CONVEYANCE CHANNELS,	MIGRATION OF SEDIMENT ONTO ADJA 8. ALL EROSION AND SEDIMENT CONTR	ROL MEASURES SH	HOWN ON THE PLANS C	OR OF	RETA
REPLACEMENT OF EXISTING IMPERVIOUS SURFACE WI	THIN THE BUFFER. PERMITTEES MUST MINIMIZE ALL P	OTENTIAL WATER	STORM DRAIL	NINETS, AND SEDIMENT BASINS.	IMPLEMENTED IN THE FIELD SHALL BI PHASE II PERMIT REQUIREMENTS,			DE	EVELOP ND CON
QUALITY, SCENIC AND OTHER ENVIRONMENTAL IMPAC (DOUBLE) BMPS AND MUST DOCUMENT THIS IN THE SM	(PPP FOR THE PROJECT. [MINN. R. 7090)				 CONTRACTOR TO PROVIDE ADDITION BLANKET, OR OTHER APPROVED EQU 	JAL SILT FENCE, B JAL FOR ANY SLC	PES THAT APPEAR TO	BE CC	ONSIDE
23.12 PERMITTEES MUST DESIGN THE PERMANENT STO MINIMIZES ANY INCREASE IN THE TEMPERATURE OF TH	ROUT STREAMS RESULTING FROM THE ONE (1) AND TV	VO (2) YEAR 24-HOUR			FAILING 10 CONTRACTOR TO STABILIZE SOIL ST	OCKPILES; STABI	LIZATION SHALL BE INIT	TIATED FO	DR ISSU
PRECIPITATION EVENTS. THIS INCLUDES ALL TRIBUTAR LAND SURVEY SYSTEM (PLSS) SECTION. PERMITTEES	RES OF DESIGNATED TROUT STREAMS LOCATED WITH MUST INCORPORATE ONE OR MORE OF THE FOLLOWIN	IN THE SAME PUBLIC IG MEASURES, IN	TEMPORARY SEDIMENT	ATION BASINS	IMMEDIATELY 11. CONTRACTOR SHALL FINAL GRADE S	WALE AREAS UP	ON STABILIZATION OF L		NFORCI ECTION
ORDER OF PREFERENCE; a. PROVIDE STORMWATER INFILTRATION OR OTHER VC			IF FIVE (5) Of	R MORE ACRES OF DISTURBED SOIL DRAIN TO A COMMON S A TEMPORARY SEDIMENT BASIN PROVIDED FOR TREATMENT OF	AREAS. 12. CONTRACTOR SHALL BE RESPONSIB	LE TO SWEEP/SC	RAPE ADJACENT STRE		ATURA
REDUCE RUNDFF INFILTRATION SYSTEMS MUST DISC b. PROVIDE STORMWATER FILTRATION AS DESCRIBED			YES NO N/A THE RUNOFF	BEFORE IT LEAVES THE CONSTRUCTION SITE OR ENTERS	MATERIALS OR DEBRIS HAVE WASHE DIRECTED BY CITY			1N0	CLUDE
STORMWATER ROUTED TO THE SYSTEM WITHIN 24 HOL c. MINIMIZE THE DISCHARGE FROM CONNECTED IMPER	JRS.		SURFACE W	Alenar	13. COORDINATE SMALL UTILITIES INSTA AFTER CURB & GUTTER INSTALLATIO	ILLATIONS (GAS, F	PHONE, ELECTRIC, GAS	'N	OTICE
SWALES, AND THROUGH THE USE OF NON-STRUCTURA	L CONTROLS.							F0 70	DR TER 190]
d. IF PONDING IS USED, THE DESIGN MUST INCLUDE AN VEGETATED SWALE DISCHARGES OR CONSTRUCTED	WETLAND TREATMENT CELLS THAT LIMIT TEMPERATU	S SHADING, RE INCREASES . THE							
POND MUST BE DESIGNED AS A DRY POND AND SHOUL 6. OTHER METHODS THAT MINIMIZE ANY INCREASE IN 3		7090]	INFILTRATION FEASIBIL		LIST OF IMPAIRED WATERS:				
24.1 GENERAL PROVISIONS. [MINN. R. 7090]			YES NO N/A THROUGH 16	ANY INFILTRATION RESTRICTIONS FOR THE SITE (SEE 16.14 3.217	NONE				
24.2 IF THE MPCA DETERMINES THAT AN INDIVIDUAL PER ACTIVITY, THE MPCA MAY REQUIRE AN INDIVIDUAL PER	RMIT WOULD MORE APPRICERIATELY REGULATE THE C	CONSTRUCTION							
THIS GENERAL PERMIT WILL REMAIN IN EFFECT UNTIL 1	THE MPCA ISSUES AN INDIVIDUAL PERMIT. [MINN. R. 70	01.0210, SUBP. 6]							
24.3 IF THE PERMITTEE CANNOT MEET THE TERMS AND INDIVIDUAL PERMIT, IN ACCORDANCE WITH MINN. R. 700	01.0210 SUBP. 6. [MINN. R. 7001.0210, SUBP. 6]			TER MITIGATION MEASURES					
24.4 ANY INTERESTED PERSON MAY PETITION THE MPC WITH 40 CFR 122.28(B)(3). (40 CFR 122.29(B)(3))				ANY STORMWATER MITIGATION MEASURES PER: VMENTAL REVIEW DOCUMENT?					
24.5 PERMITTEES MUST MAKE THE SWPPP, INCLUDING RECORDS AND OTHER INFORMATION REQUIRED BY TH	IS PERMIT, AVAILABLE TO FEDERAL, STATE, AND LOCA	L OFFICIALS		SERED SPECIES REVIEW?					
WITHIN THREE (3) DAYS UPON REQUEST FOR THE DUR. [MINN. R. 7090]				OLOGICAL REVIEW?					
24.6 PERMITTEES MAY NOT ASSIGN OR TRANSFER THIS THE APPLICABLE REQUIREMENTS OF ITEM 3.7 AND 3.8.	PERMIT EXCEPT WHEN THE TRANSFER OCCURS IN A (MINN. R. 7090)	CORDANCE WITH	IF YES TO AN	Y OF THE ABOVE, DESCRIBE THE MITIGATION MEASURES. FOR					
24.7 NOTHING IN THIS PERMIT MUST BE CONSTRUED TO	RELIEVE THE PERMITTEES FROM CIVIL OR CRIMINAL	PENALTIES FOR CONSTRUED TO	NECESSARY	OF THIS PERMIT, MITIGATION MEASURES MEANS ACTIONS TO AVOID, MINIMIZE, OR MITIGATE FOR IMPACTS RELATED TO					
NONCOMPLIANCE WITH THE TERMS AND CONDITIONS F PRECLUDE THE INITIATION OF ANY LEGAL ACTION OR F PENALTIES TO WHICH THE PERMITTEES IS/ARE OR MAY MINN STAT SECT. 115 AND 118, AS AMENOED PERMIT	RELIEVE THE PERMITTEES FROM ANY RESPONSIBILITIE BE SUBJECT TO UNDER SECTION 311 OF THE CLEAN V	S, LIABILITIES, OR WATER ACT AND	TREATMENT	EVENTION, SEDIMENT CONTROL, THE PERMANENT STORMWATER SYSTEM, POLLUTION PREVENTION MANAGEMENT MEASURES AND					
OCCURRING ON THOSE PORTIONS OF A SITE WHERE T	HE PERMIT HAS BEEN TRANSFERRED TO ANOTHER PA	R ACTIVITIES RTY AS REQUIRED	DISCHARGES (MINN. R. 709	S ASSOCIATED WITH THE PROJECT'S CONSTRUCTION ACTIVITY.					
IN ITEM 3.7 OR THE PERMITTEES HAVE SUBMITTED THE 24.8 THE PROVISIONS OF THIS PERMIT ARE SEVERABLE	NOT AS REQUIRED IN SECTION 4. [MINN, R. 7090] ;, IF ANY PROVISION OF THIS PERMIT OR THE APPLICA	TION OF ANY							
PROVISION OF THIS PERMIT TO ANY CIRCUMSTANCES I CIRCUMSTANCES, AND THE REMAINDER OF THIS PERM	S HELD INVALID. THE APPLICATION OF SUCH PROVISIC	IN TO OTHER		AND MAINTENANCE OF PERMANENT STORMWATER FAC	CILITIES				
24.9 THE PERMITTEES MUST COMPLY WITH THE PROVIS 1(B), 1(C), 1(H), 1(J), 1(J), 1(K), AND 1(L), [MINN: R, 7090]		1,1090, SUBP. 1(A),	THE PERMANENT STORMW	ATER MANAGEMENT FACILITIES ARE PRIVATELY OWNED RATIONS AND MAINTENANCE WILL BE PROVIDED BY THE OWNER.					
24.10 THE PERMITTEES MUST ALLOW ACCESS AS PROV	IDED IN 40 CFR 122.41(I) AND MINN, STAT, SECT, 115.04	THE PERMITTEES	THE CITY OF HAM LAKE SHI	ALL NOT BE RESPONSIBLE FOR LONG-TERM OPERATIONS AND RRWATER MANAGEMENT FACILITIES.					
MUST ALLOW REPRESENTATIVES OF THE MPCA OR AN UPON PRESENTATION OF CREDENTIALS, TO ENTER UP/ OBTAINING INFORMATION OF EXAMINATION OF RECOR	ON ANY PROPERTY, PUBLIC OR PRIVATE, FOR THE PUP	RPOSE OF	and the store of the sto	T / 16/16 / 16/20					
24.11 FOR THE PURFOSES OF MINN. R. 7090 AND OTHER	R DOCUMENTS THAT REFERENCE SPECIFIC SECTIONS	OF THIS PERMIT,							
"STORMWATER DISCHARGE DESIGN REQUIREMENTS" C ACTIVITY REQUIREMENTS" CORRESPONDS TO SECTION AND 23. [MINN R. 7090]	STRESPONDS TO BECTIONS 5, 6 AND 14 THROUGH 21 S 7 THROUGH 13; AND "APPENDIX A" CORRESPONDS "	TO SECTIONS 22							
									—
DOCUMENTATION OF TRAINED INDIVIDUALS				B. INDIV/DUAL(S) OVERSEEING IMPLEMENTATION OF		DIVIDUAL(S) PERI	ORMING OR SUPERVIS	SING THE INSTALLATION, MAINTENAN	ICE ANI
A. INDIVIDUAL WHO PREPARED THE SWPPP	University of Minnesota	Ero	sion and Stormwater	SWPPP AND INDIVIDUALS PERFORMING INSPECTION THESE INDIVIDUALS MUST BE AVAILABLE FOR AN	ONS FOR THE PROJECT. ONE OF RE DNSITE INSPECTION WITHIN 72	PAIR OF BMPS. (N NAME			
ADAM GINKEL PLOWE ENGINEERING, INC			Management	HOURS UPON REQUEST BY THE MPCA. [MINN. R. T NAME	10001	COMPANY			
6776 LAKE DRIVE LINO LAKES MN 55014	Adam Ginkel	a/es(6) \$how?!	tis card has been lested and is certified in the on the reverse of this card. Certification expira-	COMPANY		ADDRESS 1			
(651) 361-8234 ADAM@plowe.com		bon dates appe	ar a fer each certification area	ADDRESS 1		PHONE			
	Design of Construction SWPPP (May 31 2023)	Can Sente Least Deserved of Blogs	nglor adaett sant Qioty-sterves Kaup menong ma	PHONE		EMAIL			
			na naon umini pola Carri Nys Jed. (J. 1. 2020)	EMAIL					
				1					

ITEM	MNDOT SPECIFICATION/NOTES
SOD	3878
SEED **	3876
* FOR TURF ESTABLISHMENT COMMERCIAL TURF RESIDENTIAL TURF	
TEMPORARY FALL COVEF SPRING/SUMMER SOIL-BUILDING COVEF 1-2 YEARS COVEF 2-5 YEARS COVEF	MNDOT MIX 21-111 (100 LBS/ACRE) MNDOT MIX 21-113 (110 LBS/ACRE) MNDOT MIX 22-111 (30.5 LBS/ACRE)
MULCH	3862 (TYPE 1 - DISC ANCHORED)
FERTILIZER	3661
WOOD FIBER BLANKET	3885 (CATEGORY 0)

TYPE	QTY	UNIT
SILT FENCE		LINEAR FEET
RIP-RAP W. GEO-FABRIC	24	CUBIC YARDS
TURF REINFORCEMENT MAT (ENKAMAT)	-	SQUARE YARDS
SEED & MULCH (GENERAL)		ACRE
ROCK CONSTRUCTION ENTRANCE	1	EACH
SOD		SQUARE YARDS
EROSION CONTROL BLANKET		SQUARE YARDS
INLET PROTECTION	1	EACH

- IN AND SEDIMENT CONTROL FOR AND SHIFT FENCE AS SHOWN ON PLAN. E NECESSARY IF LOCAL CONDITIONS REQUIRE. TAIN SILT FENCE, INCLUDING THE REMOVAL OF OUGH COMPLETION OF BUILDING CONSTRUCTION.
- ACE UNTIL SITE HAS BEEN STABILIZED CK CONSTRUCTION ENTRANCE WHEREVER NTO EXISTING PAVED SURFACES
- TECTION FENCING AS APPLICABLE GRADING ON AN AREA-BY-AREA B ELV INITIATE STABILIZATION OF EXPOSED SOIL 4 OF THE PERMIT, AND COMPLETE THE 7) CALENDAR DAYS AFTER THE CONSTRUCTION THE SITE TEMPORARILY OR PERMANENTLY
- NENT STORMWATER MANAGEMENT FACILITIES NOT BE EXCAVATED TO FINAL GRADE UNTIL THE EA HAS BEEN CONSTRUCTED AND FULLY
- IAL ATTENTION TO ADJACENT PROPERTY LINES TO RACTICES INPLACE IN THOSE AREAS PREVENT JACENT PROPERTIES. IFOL MEASURES SHOWN ON THE PLANS OR BE IN ACCORDANCE WITH THE CITY AND NPDES
- DNAL SILT FENCE, BIOROLLS, EROSION CONTROL QUAL FOR ANY SLOPES THAT APPEAR TO BE
- TOCKPILES: STABILIZATION SHALL BE INITIATED
- SWALE AREAS UPON STABILIZATION OF UPSTREAM
- IBLE TO SWEEP/SCRAPE ADJACENT STREETS WHEN IED/FLOWED ONTO ADJACENT STREETS OR AS
- TALLATIONS (GAS, PHONE, ELECTRIC, GAS, ETC.)

BEST MANAGEMENT PRACTICES (BMPS)" MEANS THE MOST EFFECTIVE AND PRACTICABLE MEANS OF EROSION PREVENTION AND SEDIMENT CONTROL, AND WATER OUALITY MANAGEMENT PRACTICES THAT ARE THE MOST EFFECTIVE AND PRACTICABLE MEANS OF TO CONTROL, PREVENT, AND MINIMIZE DEGRADATION OF SURFACE WATER, INCLUDING TO CONTROL, PREVENT, AND MINIMAZE DEGRADATION OF SOMPACE YMATER, INCLODING AVOIDANCE OF IMPACTS, CONSTRUCTION-PREVENTION THE CLOSTIC OF TIME SOIL AREAS ARE EXPOSED, PROHIBITIONS, POLLUTION PREVENTION THROUGH GOOD AOUSEKCEFING, AND OTHER MANAGEMENT PRACTICES PUBLISHED BY STATE OR DESIGNATED AREA-WIDE PLANNING AGENCIES, [MINN. R. 7090] CONSTRUCTION ACTIVITY" MEANS ACTIVITIES INCLUDING CLEARING, GRADING, AND EXCAVATING, THAT RESULT IN LAND DISTURBANCE OF EQUAL TO OR GREATER THAN ONE

EXCAVATING, THAT RESULT IN LAND DISTURBANCE OF EQUAL TO KO GREATER HAN ONE AGRE, INCLUDING THE DISTURBANCE OF LESS THAN ONE ACRE OF TOTAL LAND AREA THAT IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT OR SALE IF THE LARGER COMMON PLAN WILL ULTMATELY DISTURB EQUAL TO CH GREATER THAN ONE ACRE. THIS INCLUDES A DISTURBANCE TO THE LAND THAT RESULTS IN A CHANGE IN THE TOPOGRAPHY, EXISTING SOIL COVER, BOTH VEGETATIVE AND NOMEGETATIVE, OR THE EXISTING SOIL TOPOGRAPHY THAT MAY RESULT IN ACCELERATED STORMWATER RUNGEF THAT MAY FAD TO SOIL ERCISION AND MOVEMENT OF SEDIMENT, CONSTRUCTION ACTIVITY DOES LEAD TO SKILL ERCISION AND MODEMENT OF SEUMENT. CONSTRUCTION ACTIVITY DUES NOT INCLUDE ADSTUMENACE DE TO THE LAND OF LESS THAN FINE ACRES FOR THE PURPOSE OF ROUTINE MAINTENANCE PERFORMED TO MAINTAIN THE ORIGINAL LINE AND GRADE OF ROUTINE MAINTENANCE PERFORMED TO MAINTAIN THE ORIGINAL LINE AND GRADE OF ROUTINE CALOR ACTIVITIES SUCH AS REPAIRS, REPLACEMENT AND OTHER TYPES DOES NOT INCLUDE ACTIVITIES SUCH AS REPAIRS, REPLACEMENT AND OTHER TYPES THE DON'ROUTINE MAINTENANCE. PAVEMENT REMAILTATION THAT DOES NOT DISTURD THE UNDERLYING SOLIS (E.G., MILL AND OVERLAY PROJECTS) IS NOT CONSTRUCTION ACTIVITY. IMNIN, R. 7001 (G.G., MILL AND OVERLAY PROJECTS) IS NOT CONSTRUCTION ACTIVITY.

(MININ, K. 7090) "DEWATERING" MEANS THE REMOVAL OF SURFACE OR GROUND WATER TO DRY AND/OR SOLIDIFY A CONSTRUCTION SITE TO ENABLE CONSTRUCTION ACTIVITY. DEWATERING MAY RECOURTE A MININESOTA DEPARTMENT OF MAYTURAL RESOURCES WATER APPROPRIATION PERMIT AND, IF DEWATERING WATER IS CONTAMINATED, DISCHARGE OF SUCH WATER MAY REQUIRE AN INDIVIDUAL MECA NPOESISDS PERMIT, IMMIN, R. 7090]

"EROSION PREVENTION" MEANS MEASURES EMPLOYED TO PREVENT EROSION SUCH AS SOIL STABILIZATION PRACTICES, PERMANENT COVER OR CONSTRUCTION PHASING, [MIN 3, 7060]

R. 7090) "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 WOLVES NORE THAN ONE CONTRACTOR. THE GENERAL CONTRACTOR IS THE PARTY RESPONSIBLE FOR MANAGING THE ENTIRE PROJECT ON BEHALF OF THE ÓWNER. IN SOME CASES, THE OWNER IS THE GENERAL CONTRACTOR, IN THESE CASES, THE OWNER SIGNS THE PERMIT AS THE OPERATOR AND BECOMES THE SOLE PERMITTEE, MINN. R. 7050]

REQUIDINGER MEANS THE WATER CONTAINED BELOW THE SUFFACE OF THE EARTH IN THE SATURATED ZONE INCLUSING, WITHOUT LIMITATION, ALL WATERS WHETHER UNDER CONFINED, UNCONFINED, CIP PERCHED CONDITIONS, IN NEAR SUFFACE UNCONSOLIDATED SEDIMENT OR REGOLITH, OR IN MICK FORMATIONS DEEPER UNDERGROUND, JMINN, R.

HOMEOWNER FACT SHEET" MEANS AN MPCA FACT SHEET AVAILABLE ON THE MPCA CONSTRUCTION STORNWATER WEBSITE FOR PERMITTEES TO GIVE TO HOMEOWNERS AT THE TIME OF SALE. (MINN. R. 7080)

"INFEASIBLE" MEANS NOT TECHNOLOGICALLY POSSIBLE OR NOT ECONOMICALLY PRACTICABLE AND ACHIEVABLE IN LIGHT OF THE BEST INDUSTRY PRACTICES. [MINN. R. 7090]

"INITIATED IMMEDIATELY" MEANS TAKING AN ACTION TO COMMENCE SOIL STABILIZATION AS SOON AS PRACTICABLE, BUT NO LATER THAN THE END OF THE WORK DAY, FOLLOWING AS SOOM AS PAREINABLE, BUT NOT BUT ON THE LAND THE LAND THE LAND THE CONTROL TO A DETAIL AND THE LAND DISTURBING ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE, IF THE PERMITTEES KNOW THAT CONSTRUCTION WORK ON THAT PORTION OF THE STRE WILL BE TEMPORARILY CEASED FOR I A 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; OR APPLYING MULCH OR OTHER NON-VEGETATIVE PRODUCT TO THE EXPOSED SOIL AREA;

C SEEDING OR PLANTING THE EXPOSED AREA; OR

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

E. FINALIZING ARRANGEMENTS TO HAVE STABILIZATION PRODUCT FULLY INSTALLED IN

OMPLIANCE WITH THE APPLICABLE EADLINE FOR COMPLETING STABILIZATION, [MINN. R. 7090]

NUMPERVICUS SURFACE: WASN'S A CONSTRUCTED HARD SURFACE THAT EITHER PREVENTS OR RETARDS THE ENTRY OF WATER INTO THE SOIL AND CAUSES WATER TO RUN OFT THE SURFACE IN GREATER QUANTITIES AND AT AN INCREASED RATE OFT CONTINNA PRIOR TO DEVELOPMENT. EXAMPLES INCLUDE ROOFTOPS, SIDEWALKS, DRIVEWAYS, PARKING LOTS, AND CONCRETE, ASPHALT, OR GRAVEL ROADS BRIDGES OVER SURFACE WATERS ARE CONSIDERED IMPERVICUS SURFACES, IMIN. R. 7050]

UMBILERED INPERVIOUS SUFFACES (INNIV. 17. 7050) NATIONAL POLITANT DISCHARGE ELIMINATION SYSTEM (NPDES)' MEANS THE PROGRAM OR ISSUING, MODIFYING, REVOKING, REISSUING, TERMINATING, MONTORING, AND ENFORCING PERMITS UNDER THE CLEAN WATER ACT, AS AMENDED (33 U.S.C. 1251 ET SEQ. BECTION 1342 AND 40 CFR PARTS 122, 123, 124 AND 450), (MINNI, R. 7050)

NATURAL BUFFER' MEANS AN AREA OF UNDISTURBED COVERS USINGUNDING SURFACE WATERS WITHIN WHICH CONSTRUCTION ACTIVITIES ARE RESTRICTED NATURAL BUFFER NOLUDES THE VEGETATION, EXPOSED NOEK, 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.

enace Rd		
F.		Mawski Go¥
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	2	1.
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d	Jeffo	1
	Sefferen	6
	Park	
	1	
	2	
12	oth-Ave	NE
	1	Oak Gie Pauk
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bot NE

SITE J

Futh NIL

133rd (SHE

Canala East Park

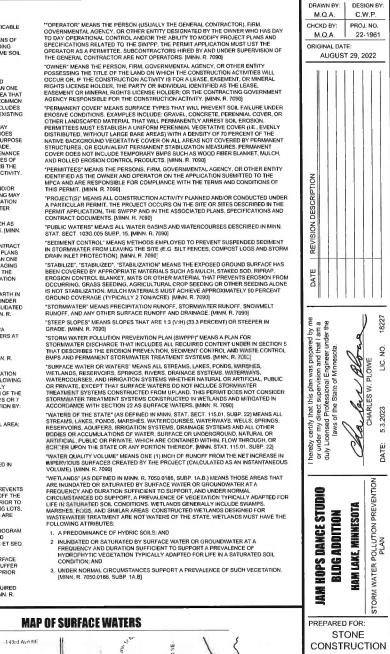
120th Ave NE

1914

105 Hita

JUNI GUER CIERK

STORM











OLLUTION PREVENTION PLAN JAM HOPS DANCE STUDIO BLDG ADDITION

11st Lin RE

139Dinto 1

Greek Park

Laigs Alhielic Complex

Taus Birch

Pioneer Park

Ed on SLNe

IAM HOPS ADDITION

COMMERCIAL PLAN REVIEW FOR CODE COMPLIANCE

GENERAL INFORMATION

A. PROJECT NAME:	Jorn Hops Addition
B. PROJECT LOCATION:	1460 133rd Lone Northeast
	Ham Loke, Minnesota
C. ZONING AND LAND US	E: CD-2, Commercial Development, Tier 2
D. LOT SIZE:	5.14 Acres 223,957 s.f.
E. BITUMINOUS PAVEMENT	COVERACE: 68,144 s.f./223,957 s.f. = 30.4%

APPLICABLE CODES:					
A. HAM LAKE ZONING ORDINANCE Current Editio					
B. MINNESOTA STATE BUILDING CODE (MS	BC)	2020 Edition			
- INCLUDING -	- INCLUDING - C. CHAPTER 1305 - INT'L BUILDING CODE 2018 Edition				
C. CHAPTER 1305 - INT'L BUILDING CODE 2018 Edition D. CHAPTER 1311 - INT'L EXISTING BUILDING CODE 2018 Edition E. CHAPTER 1315 - NATIONAL ELECTRIC CODE 2020 Edition E. CHAPTER 1315 - NATIONAL ELECTRIC CODE 2020 Edition					
E. CHAPTER 1315 - NATIONAL ELECTRIC CODE 2020 Edition					
F. CHARTER 1322723 - INTL ENERGY CONSERVATION CODE 2018 EQUIOF					
G. CHAPTER 1341 - MN ACCESSIBILITY C	ODE	2020 Edition			
H. CHAPTER 1346 - INT'L MECHANICAL C I. CHAPTER 4714 - MN PLUMBING CODE	ODE	2018 Edition 2020 Edition			
		2020 20110			
BUILDING CLASSIFICATION A. OCCUPANCY GROUPS/ TYPE OF CONST	(IBC Chot 3)	LIBC (hat 6)			
1. Fitness Center - Group A-3	tion only of	a loo olipt of			
- Type of Construc					
- Area		s.f. First Floor			
- Proposed Height	- 1,625	s.f. Mezzonine 1 Story			
2. Nixed Occupancy (IBC 508)	- 20-0,	1 Story			
- Group A-3 Is Not Part of A Mi	xed Occupancy				
3. Incidental Uses (IBC 509)					
- None					
B. FIRE-RESISTANCE-RATED CONSTRUCTION 1. Building Elements (IBC Tables 601					
Element	& 002)	Roting			
Structural Frome		0 Hours			
Exterior Bearing Walls		0 Hours			
Interior Bearing Wolls		0 Hours			
Exterior Non-Bearing Walls		0 Hours			
Interior Non-Bearing Walls		0 Hours			
Floor Construction		0 Hours			
Roof Construction		0 Hours			
 Exterior Wall Openings (IBC Table – Separation Distance Greater The 					
Classification Area of Opening					
Unprotected No Limit Protected No Limit					
3. Fire Walls (IBC 706)					
 Not Required - 					
 Fire Barriers (IBC 707) Not Required - 					
5. Fire Partitions (IBC 708)					
- Not Required -					
C. ROOF AND INTERIOR FINISH REQUIREME	NTS				
1. Minimum Woll And Ceiling Finish Re	quirement (IBC	Toble 803.13)			
Building Component	Finish Closs				
Verticol Exits/	Closs B - Gr	оыр Ө			
Exit Possageways	Closs C - Gr				
Exit Access Corridors/ Other Exit ways	Closs C				
Rooms and Enclosed	Closs C				
 Spaces Minimum Roof Covering Classificati 	an (IDC Table)	505 1) Class C			
- (Contractor To Provide Class A	Roof Assembly)			
AUTOMATIC SPRINKLER REQUIREM	ENTS				
A. AN NFPA 13 AUTOMATIC SPRINKLER S		DED			
THROUGHOUT THE BUILDING (IBC 903.3	(1,1)				
THROUGHOUT THE BUILDING (IBC 903.3 1. Required Location(s) (IBC 903.2)					
 Throughout The Building When the Fire Area Containing 					
Group A-3 Exceeds 12,000 s.f., Combined Fire Areos Of Group S	-1 Exceeds 24	000 s.f.			

ALLOWABLE HEIGHT, ALLOWABLE AREA A. ALLOWABLE HEIGHT (IBC Toble 504.3/504.4)

B. ALLOWABLE AREA (IBC Toble 506.2) 1. Unlimited Per IBC 507.6

ALANS OF LONCSS	
A. DESIGN OCCUPANT LOAD (IBC Chpt 1004) 1. First Floor Occupants = 858 Occupants 2. Mezzanine Occupants = 30 Occupants	
3. Total Occupants = 888 Occupants	
B. EXIT / EXIT ACCESS	
1. Number Required (IBC Table 1006.2.1, 1006.3.2	() = 3
2. Number of Accessible Required (IBC 1009)	= 2
3. Arrongement (IBC 1007)	
- Not Less Thon 1/3 Overall Diagonal (Sprinkl	ered Building)
 Travel Distance Maximums 	
- Exit Access (IBC 1017)	= 250
 Common Path of Egress (IBC 1006.2.1) 	= 75'
- Dead Ends (IBC 1020.4)	= 20'
 Sizing (The Greater of Two Conflicting Widths - Design Egress Sizing (IBC 1005.3) 	
Stoirways (Occ Lood x .3)	≖ 9"
Other Components (Occ Lood × .2)	
- Stoirwoys (IBC 1011.2)	= 44"
- Corridors (IBC 1020.2)	= 44" = 44"
 Exit Possageways (IBC 1024.2) 	= 44 = 32" Min Clear
- Exil Doors (IBC 1010.1.1)	
	48" Max Nom
6 Doors	
- Swing (IBC 1010.1.2.1)	
Side Hinged Swinging Out At Occupant Load	d OF 50 Or More
- Londings (IBC 1010.1.6)	
Width Not Less Than Width of Door Or Stai	
Length in Direction of Travel Not Less Than	1 44
- Thresholds (IBC 1010.1.7)	
Max Height = 1/2" - 1:2 Beveled Edge If	
 Door Arrangement (IBC 1010.1.8) 48" + Doi Lock or Latch (IBC 1010.1.9) 	or moun Aport
Operable From Earess Side Without Use of	Knowledge or Kour
Monually Operated Flush Bolts Permitted on	Inoctive leaf
 Panic/ Fire Exit Hardware (IBC 1010.1.10) 	mocore leur.
Required AL Exit /Exit Access Doors	
here and the cherry cart meeting boord	

PLUMBING FIXTURES

MEANS OF EGRESS

	444 Mole Occupants 444 Femole Occupant	s					
	Fixture	Required		Provided			
Fixture		Men	Women	Men	Women	Unisex	
_	Water Closets	3.56	6.84	1	5	4	
-	Urinals	-	-	1		-	
	Lavatories	2.22	2.22	1	3	4	
-	Bothtubs/ Showers	-	-	-	-	-	
	Drinking Fountoins	1.	78	4			
	Service Sink		1				

Note: Footnote k. — Urinals May Be Substituted for Up to 2/3 Of Required Water Closets

- B. LOCATION OF FIXTURES (IBC 2902.3.3)
 Not More Than 1 Story Above Or Below Regular Working Area
 Travel Distonce Less Than 500 ft
- C. SICNAGE (IBC 2902.4)
 A Legible Sign For Each Sex Shall Be Provided Near The Entrance To The Toilet Facility _____

_____ OTHER

- OTHER
 A. ACCESSIBILITY
 1. Building is Accessible
 B. GUARDS (BIC 1015)
 1. 42° High Minimum Guards Shall Be installed Where A Change In
 Levels Drops 30° Or More.
 C. ROOF ACCESS (IWC 306.5)
 1. Existing Roof Access Provided
 D. CONCEALED SPACES
 1. Floors (IBC 718.3)
 Drolistops Not Required in Sprinklered Building
 2. Attics (IBC 718.4)
 N/A
 E. VENTILATION
 1. Attics (IBC 1202.2)
 N/A
 2. Under-Floors (IBC 1202.4)
 Not Required
 F. SAFETY CAL2NG (IBC 2406.4
 G. RECVCLING SPACE (MBC 100.31500)
 1. .0025 x 55.0589 s.f. = 140 s.f. Required
 H. FIRE ALARM AND DETECTION SYSTEMS
 1. Fire Alorm And Detection System Not Required (IBC 907.2)
 2. If Required Provide Audible And Visible Alorm Notification Devices
 (IBC 907.5, NIPA 72)

1. Porking Stall Calculation	
As Requested Per City Of Hom Loke	222 Stolls
Total Stalls Required	222 Stells 4/7/2
Total Stalls Provided	222 Stalls
Proof of Parking	0 Stolls
Ultimote Porking	222 Stalls
Accessible Requirement Per 222 Stalls (IBC Table 1106.1)	7 Stolls
2. Stell Size -9'-0" x 20'-0" 5. Pavement Design - All Porking Areas 1 1/2" Biluminous Wear Course MN. D.(1 1/2" Biluminous Binder Course MN. D.(-4" Compocted Class 5 Bloc Conditions And -4" Compocted Class 5 Dis Conditions And	.0.1 2331 Type 31 3138

ENERGY	r co	OMPL	IAN(
ANSI/ASHRAE STANDARD 90.1	1-2016		
Note: Compliance Is For Building E HVAC and Electricol Designers I Compliance Wilh HVAC, Lighting	Invelope Only Must Submit g, And Woter	y. The Design— 1 Documentatio r Healing	Build n Proving
GENERAL			
A. Space Conditioning Category (5.1. 1. Nonresidential Conditioned Spa	.2) lace		
 B. Climate (5.1.4) 1. Zone 6 - Southern Minnesoto 	0		
COMPLIANCE PATH			
A. Prescriptive Building Envelope Opt MANDATORY PROVISIONS	lion (5.2)		
A. Components Of The Building Enve	elope Sholl C	Comply With Se	ction 5.4
 Insulation (5.4.1) Shall Compl Fenestration/ Door Performance 			
3, Air Leokoge (5.4.3)			
The Building Envelope Sholl C Seoled AL The Following Area	Jontoin An A	air Borrier And	0e
 Joints Around Fenestrot Junctions Between Walls Carners, Walls and Roo 	tion And Do s and Floors	or Frames 6, Walls At Build	ding
 Penetrotions of official s Building Assemblies Use Jaints, Scoms, Conn. B Barrier Moterials 	letween Plan	es Or Changes	In Air
Fenestration and Doors - Ac Loading Dock Weatherseols - Vestibules - Required at Bui	ccording To - Required A	5.4.3.2 According To 5	4.3.3
Vestibules - Required at Bui	ilding Entran	ices According	To 5.4.3.4
PRESCRIPTIVE REQUIREMENTS			
	Moximum Assembly	Minimum Insulation	Proposed
		R-30 (ci)	R-30 (ci)
WALLS: Moss	U-0.080 I	R-13.3 (ci) R-10.0 (3fl)	R-28.2 (ci) R-28.2 (ci)
OPAQUE DOORS: Swinging	U-0.	.370	U-0.20
OPAQUE DOORS: Non-Swinging	U-0. J-0.360 (0.3		U-0.147 U-0.340
TENESTRATION: 0-40% Glozing 0	1-0.300 (0.5	JU 3HUC)	0-0.340
SUBMITTALS	a strate of	Prevented Pr	
A. Contractor To Provide Product St The Building Official	ubmittois II	Requested By	
PRODUCT INFORMATION AND I A. Building Components Must Identif	INSTALL. fy R-Volues	REQ. Or U-Values (Clearly
Lobeled On The Product In Accor	rdonce With	Section 5.8	,

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DEVELOPMENT TEAM

OWNER JAM HOPS

1460 133rd Lone NE Ham Lake, MN 55304 Phone: 763-413-0647 Contact: Brenda Nolby

CIVIL ENGINEER

PLOWE ENGINEERING 6776 Loke Drive, Suite 110 Lino Lokes, MN 55014 Phone: 651-361-8210 Contact: Chuck Plawe

ARCHITECT

LAMPERT ARCHITECTS 420 Summit Ave St. Poul, MN 55102 Phone: 763-755-1211

STONE CONSTRUCTION 2181 107th Lane Northeast Blaine, MN. 55434 Phone: 763-784-1950 Contact: Mitch Stone

CONTRACTOR

ENGINEER

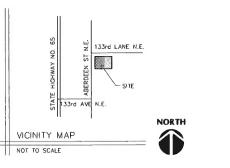
S T R O H E N G I N E E R I N G P.O. Box 1058 Jerome, AZ 86331 Phone: 808-463-2256 Contact: Bernie Stroh

Contact: James Berthiaume

SHEET SCHEDULE

Sheet	Description
T1	Title Sheet
A1	Site Plan
L1	Landscape Plan
A2	Floor Plan, Mezzonine Plan
A3	Enlarged Floor Plans, Reflected Ceiling Plans
A4	Roof Plan
A5	Huilding Elevations
A6	Oetoils
A7	Woll Sections
A8	Woll Sections
SI	Faating & Foundation Plan, Mezzanine Framing Plan
S2	Hoof Froming Plan
\$3	Structural Details

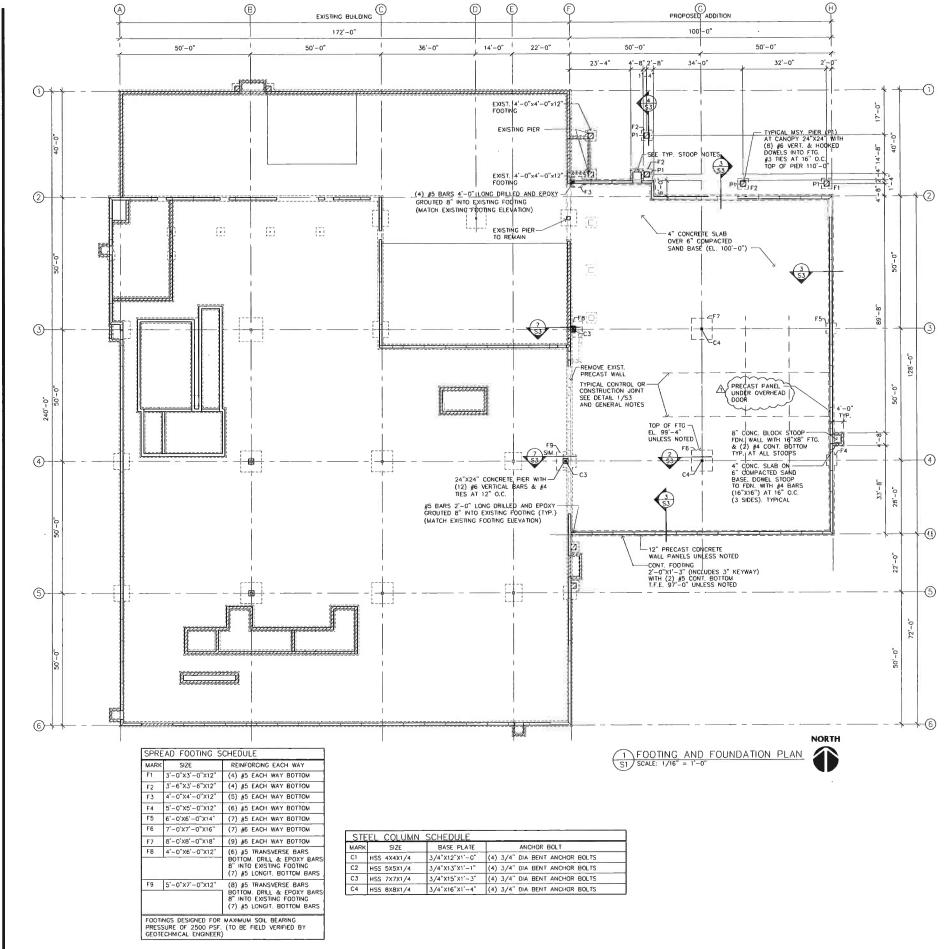
VICINITY MAP



NOTE TO ALL DESIGN/BUILD CONTRACTORS AND THEIR SUBCONTRACTORS:
THE DESIGN/BUILD CONTRACTOR IS RESPONSIBLE FOR REVENING ALL MECHANICAL ELECTRICAL, PLUMBING, FIRE SPRINKER, OR ANY OTHER DESIGN/BUILD SUB- CONTRACTOR'S DOCUMENTS AS PERTAINING TO THE WORK FOR THIS PROJECT IT IS THE DESIGN/BUILD SUB- CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE DESIGN/BUILD CONTRACTOR OF ANY CONFLICTS WITH THE ARCHTECTURAL AND STRUCTURAL DOCUMENTS DUE TO SIZES, LOCATIONS, QUANTITIES, ROUGH-IN DUEKTON THE ARCHTERPRE- TATIONS. THE DESIGN/BUILD CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ARCHTECT IMMEDIATELY OF ANY ARCHTECTURAL REVISIONS REQUIRED DUE TO THE COOR- DINATION OF EACH DESIGN/BUILD SUB- CONTRACTOR'S
DOCUMENTS.

LAMPERT ARCHITECTS 420 Summit Avenue SI. Faul, MN 55102 Phone:78.375.1311 For:75.572.2849 Iompert@Iompert-arch.com
ARCHITECT CERTIFICATION: I PEREIS CERTIFY THAT THIS FLAN, I PEREISCULT THIS FLAN, PEREPARED BY LOR OR UNDER MY DIRECT SUPERVISION AND THAT I AN A DULY LEANSD ARCHITEL UNDER THE LAWS OF THE STATE OF MININESOTA SOLVA DEF
Сола, ад LEONARD LAMPERT Рипт каке 13669 2/24/23 рат (763) 784-1950
(103) 764-1930 FAX 784-9707 STONE CONSTRUCTION, INC. 2181 – 107th LANE NE. BLAINE, MINNESOTA 5543
JAM HOPS ADDITION 1460 133rd Lane NE, Ham Lake, Minnesota
Copyrigh 2022 Leoror Lampert Architests Inc. Project Designer: JAMES 8 Drown By: JRB Checked By: LL Revisions
7/26/22 ISSUE FOR PERMIT 12/27/22 RE-ISSUE 2/24/23 REVISION
TITLE SHEET
Sheet Number

Project No. 220422-1



GENERAL STRUCTURAL NOTES:

1. BUILDING CODE: STRUCTURAL DESIGN CONFORMS TO THE REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC) & MINNESOTA STATE BLDG. CODE (MNSBC 2020) 2 DESIGN LOADS WIND LOAD BASIC WIND SPEED (3 SECOND GUST) ... 115 MPH (Vu Ultimote (90 MPH SERVICE) 8 +0.18 pi

WIENNAL PRESSORE COEFFICIENTS, CO	70.10 p
<u>ROOF LOAD</u> LIVE LOAD (L.L.) DEAD LOAD (DESIGN D.L.)	35 PSF ** 20 PSF
ROOF SNOW LOAD:	
GROUND SNOW LOAD, Pg	

FLAT ROOF SNOW LOAD, P	
SNOW EXPOSURE FACTOR, Ce	1.0
SNOW LOAD IMPORTANCE FACTOR, 1	
THERMAL FACTOR, C	1.0
** PLUS SNOW ACCUMULATION AS REQUIRED BY IBC,	

CHAPTER 16. SECTION 1608.

COORDINATION:

3.

LISTRUCTURAL MEMBERS INCLUDING SLABS, BEAMS, JOISTS, COLUMNS AND WALLS ARE DESIGNED FOR 'IN PLACE LOADS'' CONTRACTOR SHALL BE RESPONSIBLE FOR BRADING, WHHOUT OVERSTRESSING, ALL STRUCTURAL ELEMENTS (AS RECUIRED AT ANY STAGE OF CONSTRUCTION) UNTIL COMPLETION OF THIS PROJECT.

FOUNDATIONS:

- FOUNDATIONS: I, FOOTINGS WERE DESIGNED FOR A MAXIMUM SOIL BEARING PRESSURE OF 2500 PSF. SOIL BEARING PRESSURE SHALL BE VERIFED PRIOR TO THE CONSTRUCTION OF THE FOOTINGS AND REPORT ANY DISCREPANCIES TO THE ENGINEER. LOWER THE FOOTING ELEVATIONS SHOWN IF NECESSARY TO OBTAIN THE REQUIRED BEARING PRESSURE.
- CONCRETE:

- STRUCTURAL PRECAST CONCRETE:
- STRUCTURAL PRECAST CONCRETE: 1. STRUCTURAL PRECAST CONCRETE WEBERS AND THEIR CONNECTIONS SHALL BE DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PCI HANDBOOK FOR PRECAST PRESIRESSED CONCRETE PRESIRESSED UNITS SHALL BE DESIGNED TO SUPPORT THE DESIGN LOADS AS INDICATED 2. PRECAST SEED CONCRETE FABRICATOR SHALL FURNISH QUE ANQLES, INSERTS AND WELD PLATES IN PRECAST AS NECESSARY FOR THE FORPER INSTALLATION OF THE PRECAST MEMBERS. A.LL HEADERS AT OPENINGS IN PRECAST TO BE DESIGNED AND FUNDAMENT STEPL.

REINFORCING STEEL:

- REINFORMENTS
 REINFORME STEEL SHALL CONFORM TO ASTM (GRADE 60).
 WELDED WIRE FABRIC SHALL BE NEW BILLET STEEL, COLD DRAWN AND CONFORMING TO ASTM ABS AND AB2.
 BAR SUPPORTS, DESIGN, DETAILING, FABRICATION AND PLACING OF REINFORCING BARS AND NEWS ISHALL BE IN ACCORDANCE WITH THE ACI CODE AND DETAILING MANUAL.
 UNLESS NOTED OTHERWISE, ALL REINFORMIC LAP SPLICES SHALL BE 40 BAR DIAMETERS OR 12°, WHICHEVER IS OREATER. STEEL JOISTS:

- LALL JOISTS SHALL COMPLY WITH THE STEEL JOIST INSTITUTE RECOMMENDED "CODE OF STANDARD PRACTICE FOR STEEL JOISTS FOR FABRICATION AND ERECTION."
 ALL K SERIES JOISTS SHALL HAVE HORIZONTAL WELDED BRIDGING AS SHOWN ON FLANS OF PER SJI RECOMMENDATIONS.
 FOR DRAINAGE, STEEL JOISTS HAVE BEEN SIZED FOR PONDING CONSIDERATION PER IBC SEC. 1611

STEFL DECK:

- STEEL DECK: 1. STEEL ROOF DECK SHALL BE 1-1/2" X 22 GA. "TYPE B-WIDE RIB DECK" MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE STEEL DECK INSTITUTE. 2. STEEL DECK SHALL BE WELDED TO SUPPORTING MEMBERS WITH 5/8" DIA. PUDDLE WELDE AT 12" O.C. SDELAP CONNECTIONS SHALL BE WELDED OR FASTENED WITH #12 TEKS SELF-DRULING, SELF-TAPPING SCREWS (2 FASTENERS MINIMUM EQUALLY SPACED PER SIDELAP BETWEEN JOISTS).

COLD-FORMED STEEL FRAMING:

- 1. ALL STEEL STUDS AND ACCESSORIES SHALL BE OF THE TYPE, SIZE, GAUGE AND SPACING AS SHOWN ON PLANS.
- OF THE 17PE, SJ2E, GAUGE AND SPACING AS SHOWN ON PLANS. 2. ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AJS) "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" (LATEST EDITION). 3. ALL STUDS AND/OR JOIST SHALL BE FORMED FROM HOT-DIPPED GALVANIZED STEEL, G-60 COATING, CORRESPONDING TO THE REQUIREMENTS OF ASTM A446, GRADE A, WITH A MINIMUM YIELD OF J3KSI.

MASONRY:

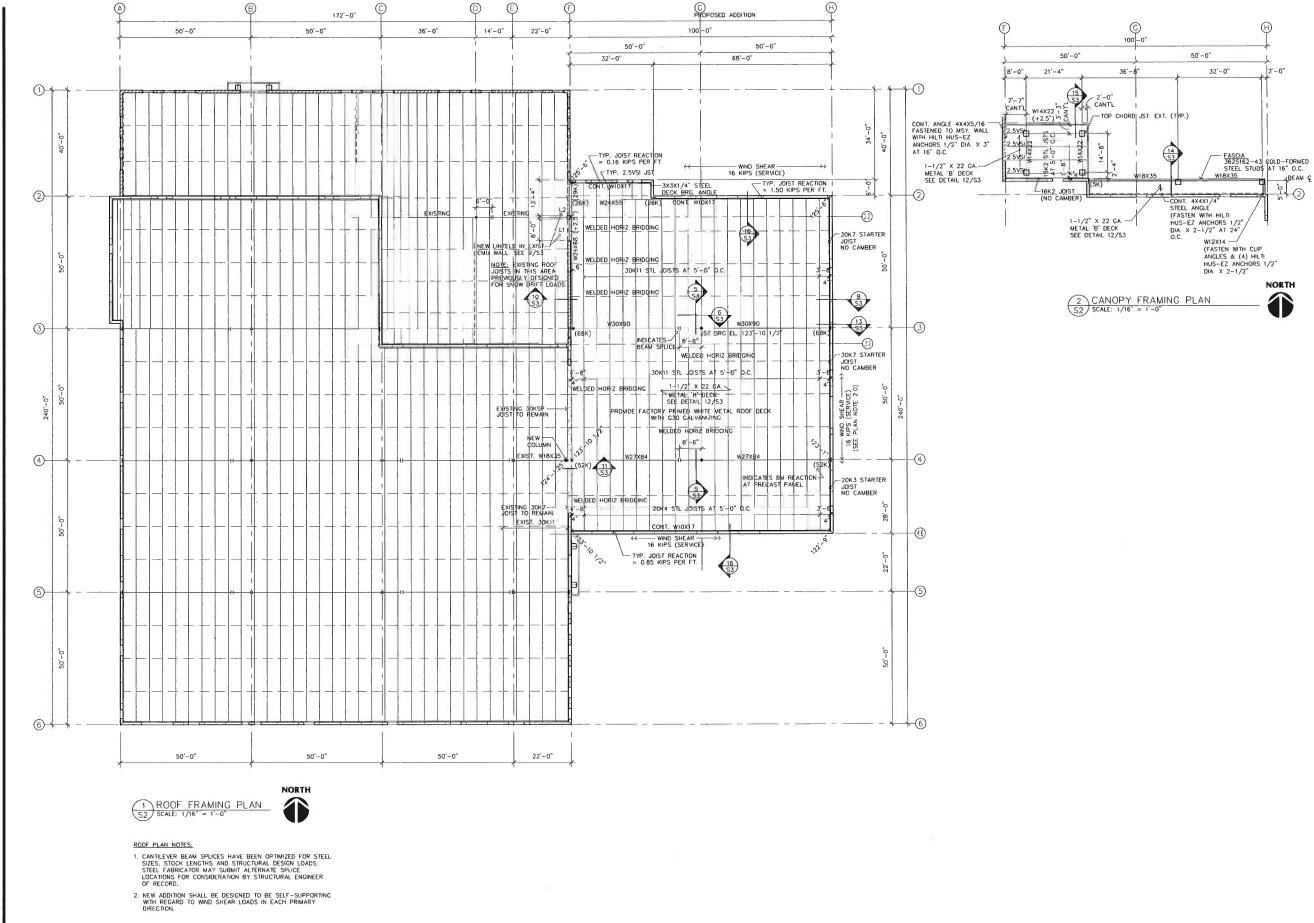
- MASONRY: 1. CONCRETE MASONRY UNITS SHALL CONFORM TO THE REQUIREMENTS OF ASTM CG0. 2. MININUM COMPRESSIVE STRENCTH OF MSY. UNITS F'M 1500 PSI. 3. GROUT FOR HOLLOW MASONRY UNITS SHALL HAVE A 28 DAY COMPRESSIVE STRENCTH OF 3000 PSI. AND SHALL BE NORMAL WEIGHT PEA GRAVEL CONCRETE. 4. ALL MASONRY WALLS SHALL HAVE HORIZONTAL REINFORCING FABRICATED WITH 9 GAUGE SIDE RODS. THIS REINFORCING SHALL BE LOCATED AT EVERY OTHER COURSE. 5. ALL VERTICAL REINFORCING SHALL BE CONTINUOUS WITH 40 BAR DIAMETER LAPS AT SPLICES UNLESS NOTED.

STRUCTURAL STEEL:

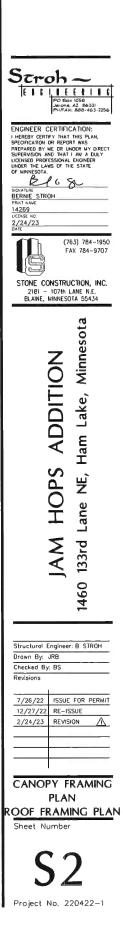
- STRUCTURAL STEEL: 1. DESIGN, DETAILING, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE AISC "MANUAL OF STEEL CONSTRUCTION" 2. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A572 OR A592. STEEL PIPE SHALL CONFORM TO ASTM A500 GRADE B. 3. ALL WELDING SHALL CONFORM TO ASTM A500 GRADE B. 3. ALL WELDING SHALL CONFORM TO ASTM A500 GRADE B. 4. ALL WELDING SHALL CONFORM TO ASTM A500 GRADE B. 4. ALL BOLTS SHALL BE JA'" DIAMETER, ASTM A325.

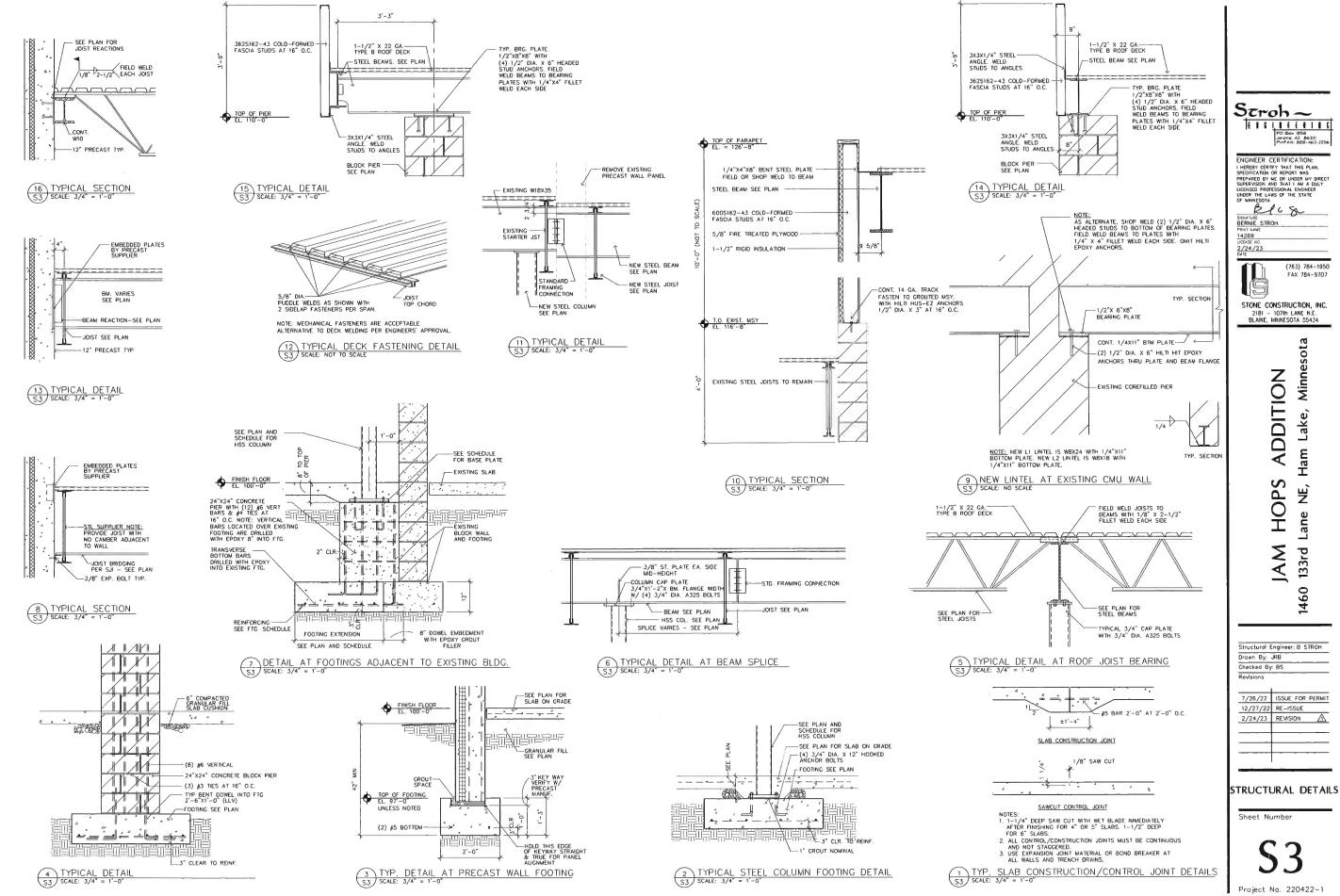
÷	BULIS	SHALL	BL	J/4	DIAME ICK,	ADIM	AJ23.	

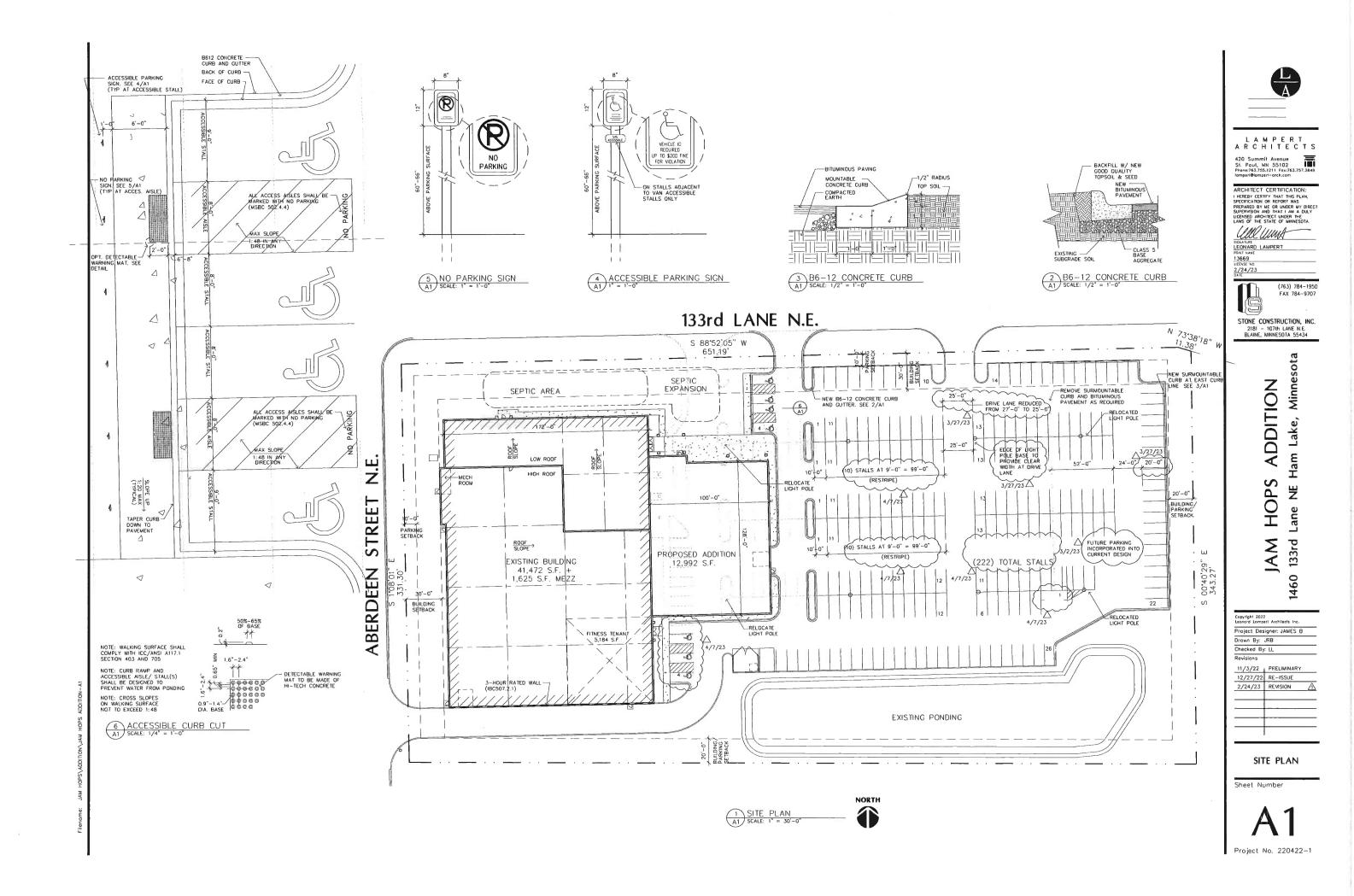
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ENGINEER CERTIFICATION: I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUFFRYSION AND THAT I AN A DALLY LUNDER THE LANS OF THE TATE OF MININESOTA BLG SA
SICATURE BERNIE STROH PRNI NAVE 14269 ULCINS NO 2/24/23 DATE
(763) 784-1950 FAX 784-9707 STORE CONSTRUCTION, INC. 2181 - 107th LANE N.E. BLAINE, MINNESOTA 55434
JAM HOPS ADDITION 1460 133rd Lane NE, Ham Lake, Minnesota
Structural Engineer: B STROH Drawn By: JRB Checked By: BS Revisions
7/26/22 ISSUE FOR PERMIT 12/27/22 RE-ISSUE 2/24/23 REVISION
FOOTING AND FOUNDATION PLAN
Sheet Number S1 Project No. 220422–1

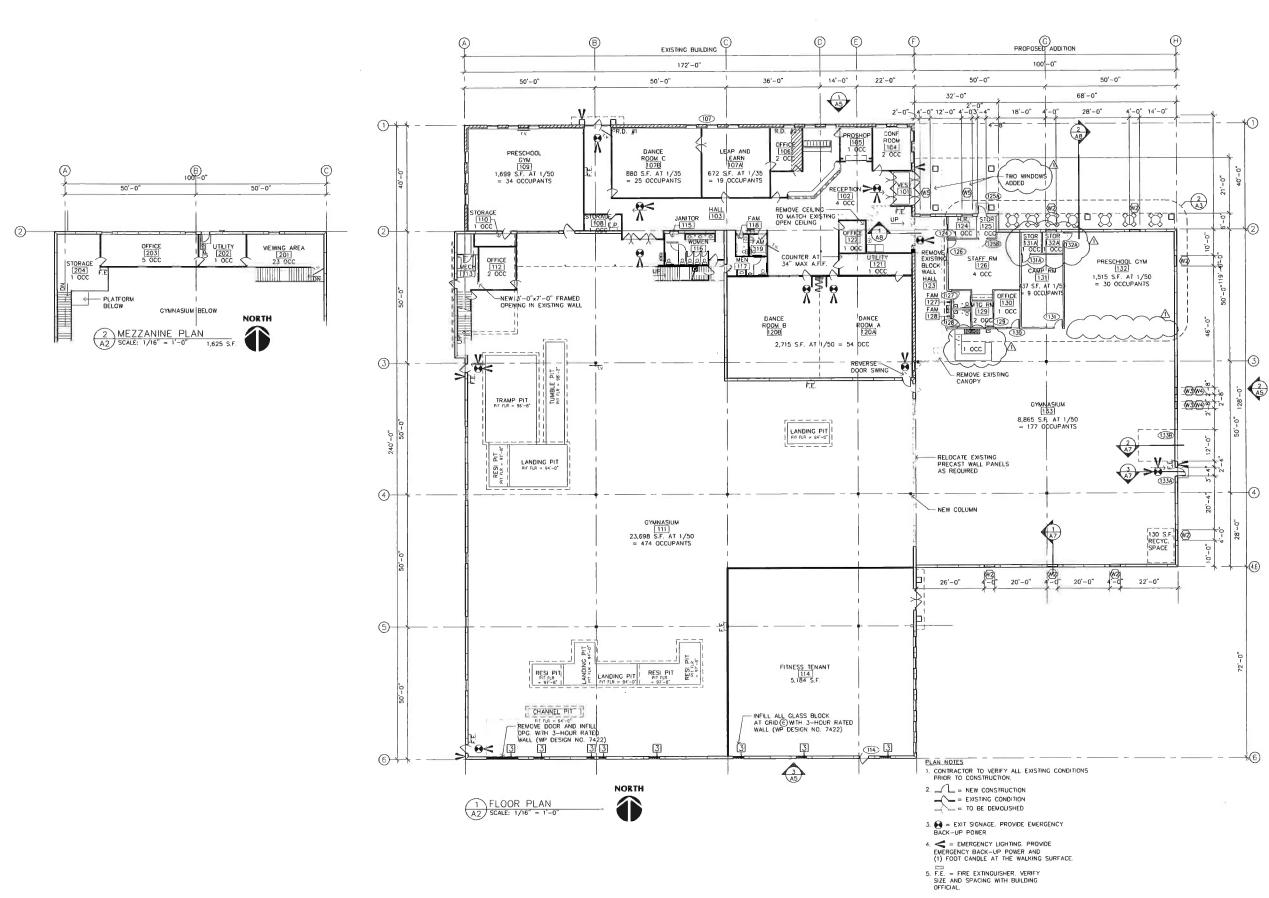


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LAMPERTA ARCHITECTS 420 Summil Avenue SI. Paul, MN S5102 Monoritalistic I fautas. 757,2840 amperillismpert-orch.com WRCHITECT CERTIFICATION: HEREBY CERTIF
(763) 784-1950 FAX 784-9707 STORE CONSTRUCTION, INC. 2181 - 107th LANE N.E. BLANE, MINNESOTA 55434
JAM HOPS ADDITION 1460 133rd Lane NE, Ham Lake, Minnesota
Copyright 2022 Lessone Lempert Architects Inc. Project Designer: JAMES B Drawn By: JRB Checked By: LL Revisions 12/6/22 PRELIMINARY 12/27/22 RE-ISSUE 2/24/23 REVISION A FLOOR PLAN
Sheet Number A 2 Project No. 220422-1

GRAB BARS

CRAB BARS SHALL BE 1 1/4"-2" IN DIAMETER. THE SPACE BETWEEN THE GRAB BAR AND THE WALL SHALL BE 1 1/2". A 1 1/2" MINIMUM CLEARANCE SHALL BE PROVIDED BELOW AND AT END OF THE GRAB BAR. A 12" MINIMUM CLEARANCE SHALL BE PROVIDED ABOVE THE GRAB BAR EXCEPT AT SHOWER CONTROLS. GRAB BARS SHALL NOT ROTATE IN THEIR FITTING AND SHALL SUPPORT 250 POUNDS MINIMUM.

FLUSH CONTROLS

FLUSH CONTROLS SHALL BE HAND OPERATED OR AUTOMATIC. HAND OPERATED CONTROLS SHALL COMPLY WTH REQUIREMENTS FOR ACCESSIBLE OPERABLE PARTS. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET, EXCEPT IN AMBULATORY ACCESSIBLE COMPARTMENTS WHERE CONTROLS ARE PERMITED ON EITHER SIDE OF THE WATER CLOSET.

ACCESSORIES

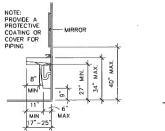
ALL WALL-MOUNTED DISPENSERS, WASTE DISPOSAL CONTAINERS, OR SIMILAR TOILET ACCESSORIES SHALL BE MOUNTED SO THAT THE OPERABLE PORTIONS OF SUCH ACCESSORIES COMPLIES WITH AN UNDBSTRUCTED FRONT OR SIDE REACH. THE MAXIMUM UNDBSTRUCTED REACH RANGE IS BETWEEN IS" AND AS". ABOVE THE FINISHED FLOOR. OBSTRUCTIONS PROTRUDING 20-25 FROM A WALL SHALL LIMIT THE HIGH REACH TO 44" MAXIMUM ABOVE THE FINISHED FLOOR.

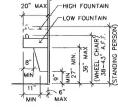
INTERIOR FINISHES

FLOORS IN TOLET, SHOWER, AND BATHING ROOMS ACCESSIBLE TO THE PUBLIC SHALL HAVE A SMOOTH, HARD NON-ABSORBENT SURFACE SUCH AS CERAMIC TILE AND SHALL EXTEND UP THE WALLS AT LEAST 4". (IBC 1209.21) WALLS WITHIN 2 FEET OF URINALS AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD NON-ABSORBENT SURFACE. TO 4 FEET AF.F. (IBC 1209.2.2) SHOWER COMPARIMENT AND BATHTUB WALLS WITH SHOWER HEADS SHALL HAVE A SMOOTH, HARD NON-ABSORBENT SURFACE SUCH AS CERAMIC TILE TO 72" ABOVE THE DRAIN. (IBC 1209.2.3)

SIGNAGE

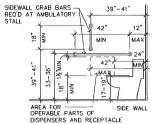
DENTIFICATION SIGNAGE SHALL BE PROVIDED AT TOILET ROOMS, THE SIGNAGE SHALL INCLUDE TACTILE LETTERS INDICATING THE NAME OF THE SPACE, THE INTERNATIONAL SYMBOL OF ACCESSIBILITY, AND BRAILLE CHARACTERS ACCORDING TO CHAPTER 703. MOUNT THE SIGN CENTERED AT 9" FROM THE LATCH SIDE OF THE DOOR AND MOUNT THE SIGN 48"-60" ABOVE THE FINISHED FLOOR.



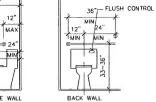


SPOUT HEIGHT, TOE / KNEE SPACE





GRAB BARS AND ACCESSIBLE WATER CLOSETS



4 PLUMBING FIXTURE DETAILS & NOTES A3 SCALE: 3/8" = 1'-0"

1'~6" je

1'-3 1/2

18" -

HIGH FOUNTAI

LOW FOUNTAIN

30"×48" CLEAR FLOOR SPACE

MAY

1'-2 1/2"

NOTE: 27" = WALL MOUNTED TOILET 31" = FLOOR MOUNTED TOILET

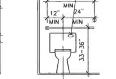
+

30"×48" CLEAR FLOOR SPACE

30"×48 CLEAR FLOOR SPACE

1'--6'

2 ENLARGED RESTROOM PLAN A3 SCALE: 1/8" = 1'-0"



7'-4"

60" MINIMUM

30"×48" CLEAR FLOOR SPACE

30"×48" CLEAR FLOOR SPACE

60" MINIMUM

7'-4"

NN ZINAN

50



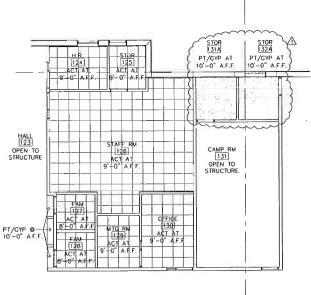
- DASHED LINE INDICATES EPOXY PAINT TO 5'-0" A.F.F.

-01 40

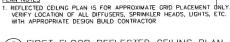
27-31" SFF NOTF

27-31" SEE NOTE

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G



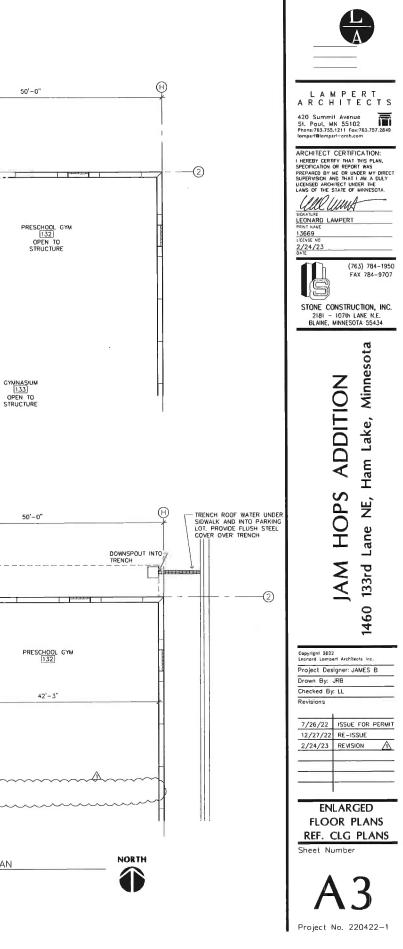
3 FIRST FLOOR REFLECTED CEILING PLAN A3 SCALE: 1/8" = 1'-0"

PLAN NOTES

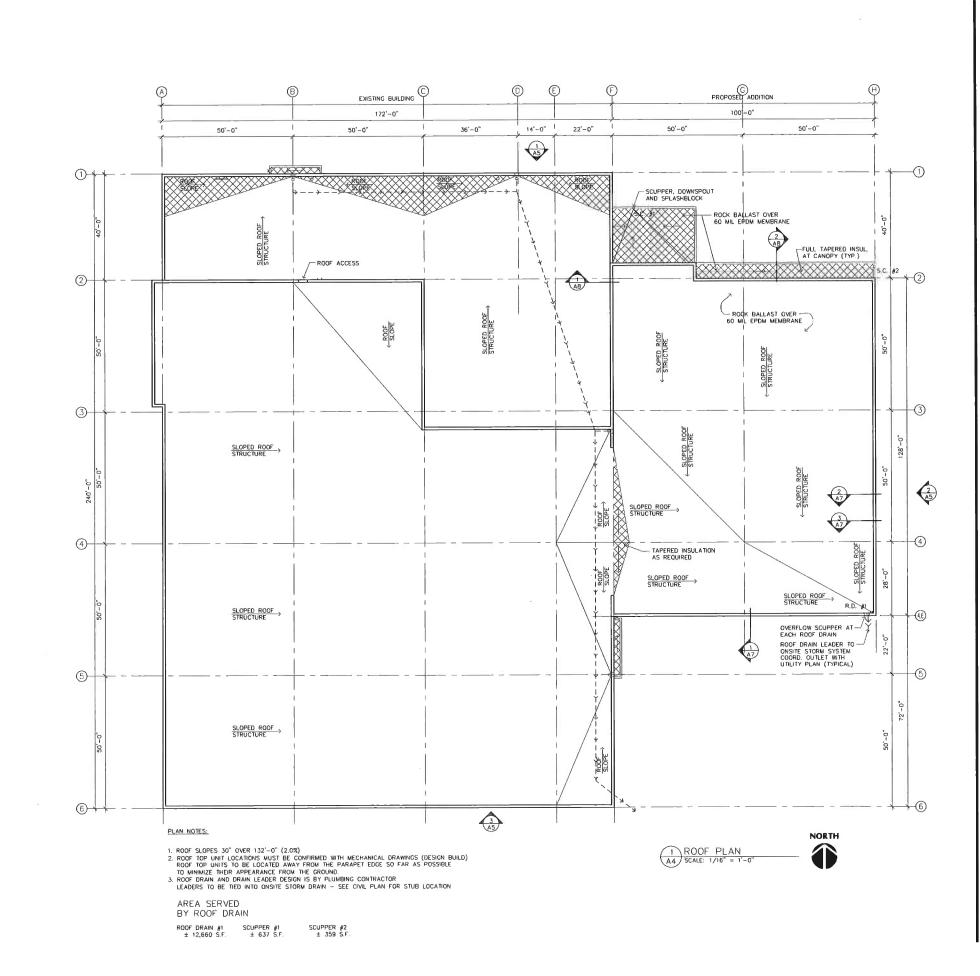


G 1 7'-2" -2 11'-5" - 5/8" GYP BOARD OVER 1-1/2" FURRING $\tilde{\sim}$ H.R. 124 머 STOR 131B 2 STOR 131A HALL 123 STAFF RM 2 16-5 1/2 9'-0 1/2" 8'-5" 10'-5" COUNTER AT 1 CAMP RM FAM -177 121 MNASIUM 1 ENLARGED FLOOR PLAN A3 SCALE: 1/8" = 1'-0" JAM HOPE CAFE DESIGN BY RIPPE

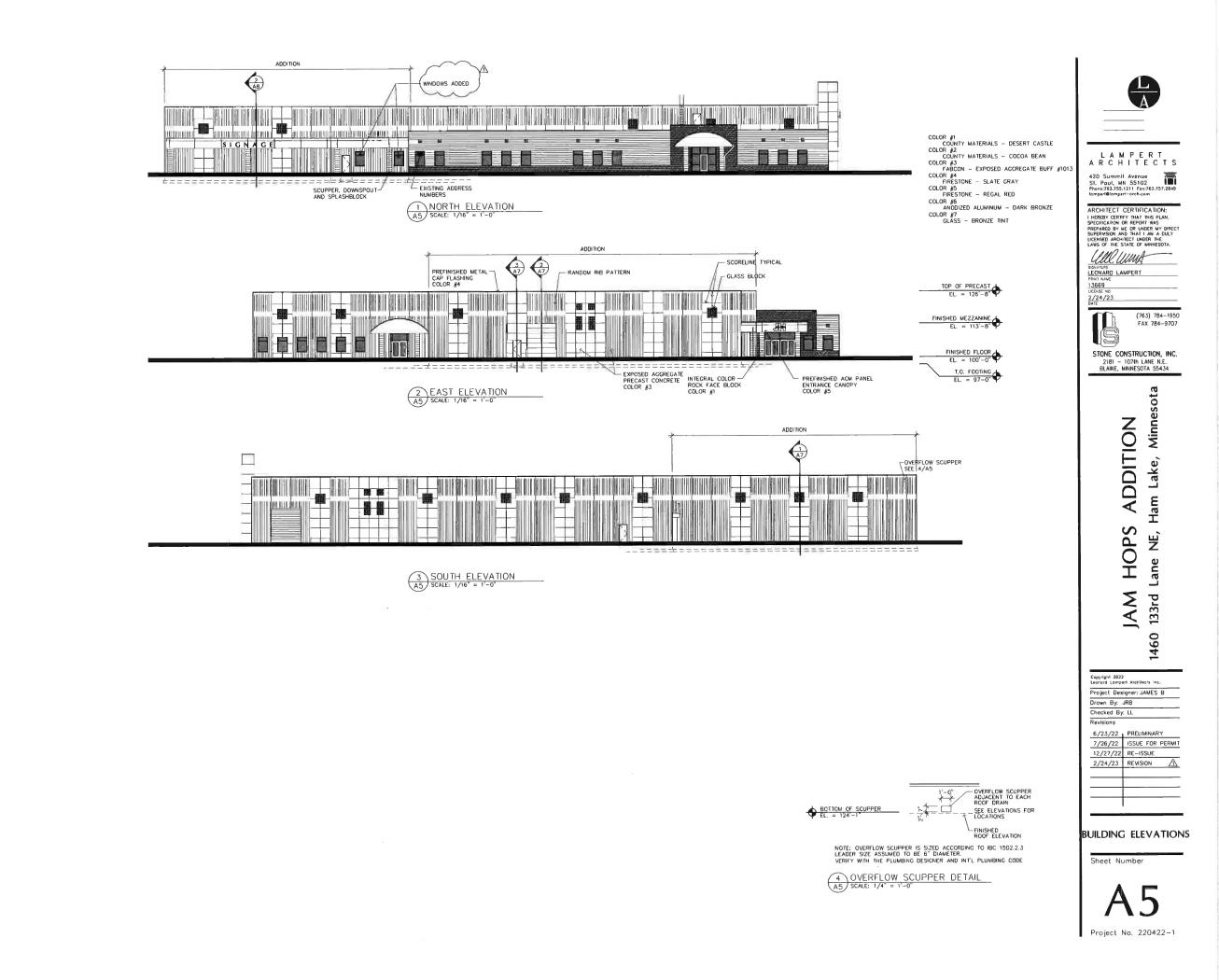






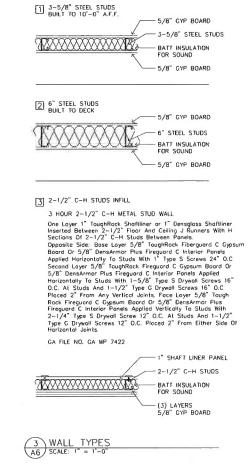


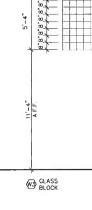
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	JAM HOPS ADDITION	1460 133rd Lane NE, Ham Lake, Minnesota			
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Filename: JAM HOPS\ADDITION\JAM HOPS ADDITION-A5

	DOOR & FRAME SC	HEDULE		ROOM FINISH SCHED	ULE
	DR # DOOR SIZE	THICK DOOR FRAME	REMARKS	RM# DESCRIPTION	FLOOR BASE N.WALL
DOOR 131 10 PAIR OF DOORS DOOR 131A AND 132A ADDED TO SCHEDULE DOOR 132 REMOVED	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	INSULATED, 180 MIN, RATED	101 VESTBULE 102 RECEPTION 103 HALL 104 CONFERENCE ROOM 105 PROSHOP 106 OFFICE 1070 DANCE ROOM C 108 STORAGE 109 PRESCHOOL GYM 110 STORAGE 111 GYMNASUM 112 OFFICE 113 MECHANICAL 114 FITNESS TENANT 115 JANTOR 116 WOMEN	EXISTING FINISHES TO R VERIFY AF
	NOTES: 1. ALL DOR HARDWARE S OR TWISTING OF THE W (ANSI A117) – 1404.26) 3. THE MAIN EXIT IS ALL THE LOCKING DEVICE I SIGN WITH 1" CONTRAS STATING: "THIS DOOR OCCUPIED". (IBC 1010.1	HALL NOT REQUIRE TIG RIST. MOUNT HARDWAR DWED TO HAVE A KEYE S READILY DISTINGUISH STING LETTERS IS POST TO REMAIN UNLOCKED	HT GRASPING, PINCHING, E BETWEEN 34"~48" D LOCK PROVIDED THAT ABLE AS LOCKED AND A ED ON THE EGRESS SIDE	117 MEN 118 FAMILY 120 DANCE ROOM A 1200 DANCE ROOM B 121 UTILITY 122 OFFICE 123 HALL 124 H.R. 125 STORAGE 126 STAFF ROOM 127 FAMILY 128 FAMILY 128 FAMILY 129 METING ROOM 130 OFFICE 131 CAMP ROOM 131 A STORAGE 132 PRESCHOOL CYM 132 STORAGE 133 GYNNASIUM	CONC VINYL PT/GYP CARPET CARPET P1/GYP CONC VINYL PT/GYP CARPET CARPET PT/GYP CARPET CARPET PT/GYP C.T. C.T. EPOXY PAIN C.T. C.T. EPOXY PAIN C.T. CARPET P1/GYP CARPET CARPET P1/GYP CONC VINYL PT/GYP F CONC VINYL PT/GYP F CONC VINYL PT/GYP F CONC VINYL PT/GYP F CONC VINYL PT/GYP F
				201 VIEWING AREA 202 UTILITY 203 OFFICE 204 STORAGE	EXISTING FINISHES TO R VERIFY AI
				ABBREVIATIONS: CONC = SEALED CONCR P.CONC = POLISHED CONC C.T. = CERAMIC TILE PT/GYP = PAINTED GYPSL ACT = ACOUSTICAL CE	RETE (AD
	2'-8" 8'8'8'8' 8'8'8'8'		81	I = VINYL BASE ON	PT/GYP WALLS ONLY
بن م ب	A F. F.	- 4° F.F.			





GLASS BLOCK

S ANODIZED ALUMINUM FRAME

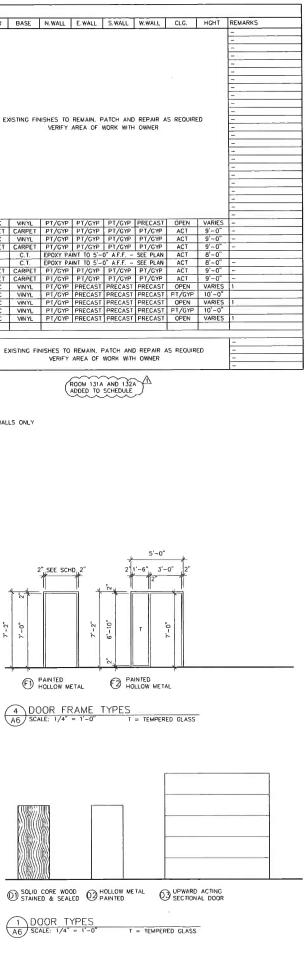
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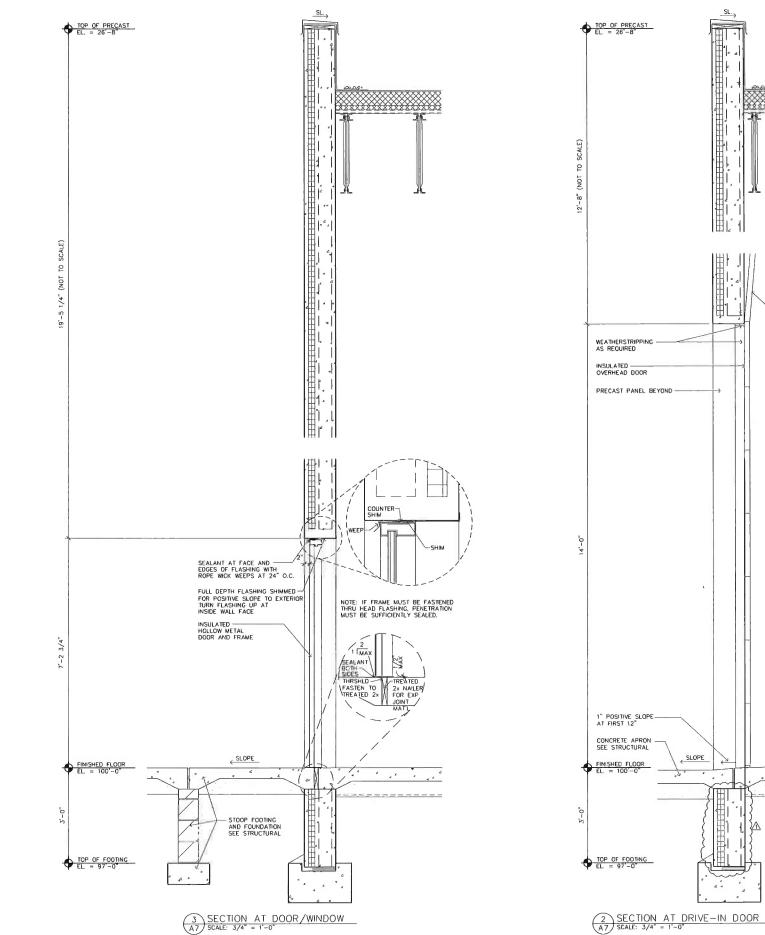
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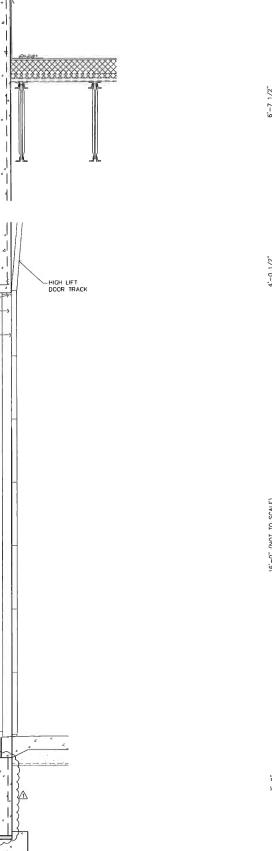
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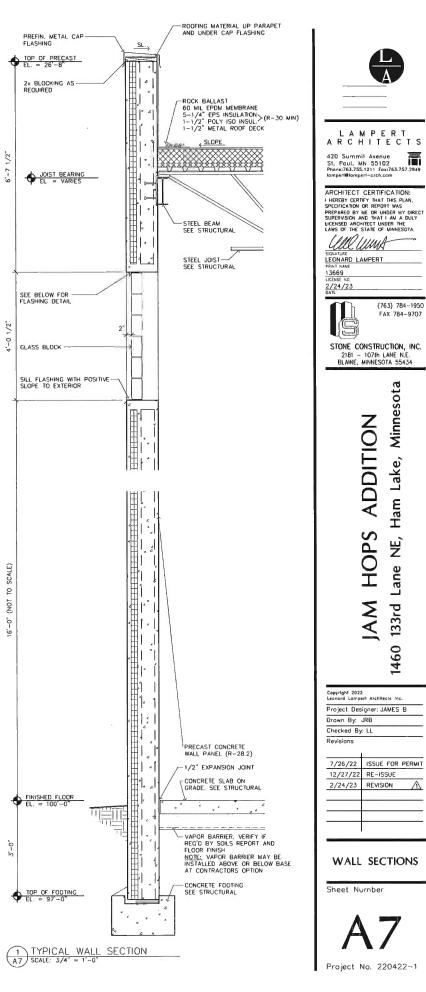


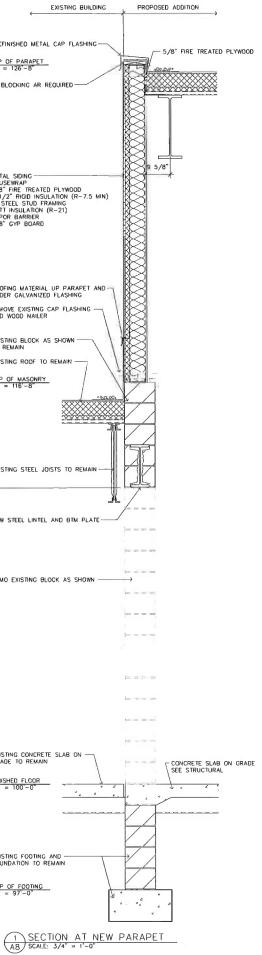
| LAMPERT<br>ARCHITECTS<br>420 Summit Avenue<br>SI. Poul, MN 55102<br>Phone:763.753.1211 Four.763.757.2849<br>Impartfilliomperforch.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |  |
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| ARCHITECT CERTIFICATION:<br>HEREBY CERTIFY THAT THIS PLAN.<br>PECIFICATION OR REPORT WAS<br>REPARED BY UNE OR UNDER MY DIRECT<br>UPERVISION AND THAT I AM A DULY<br>ICENSED ARCHITECT UNDER THE<br>AMS OF THE STATE OF WINNESOTA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |
| ULUE ULUE<br>DEMARD LAMPERT<br>MINT AND<br>260487<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105<br>26105 |  |  |  |  |
| (763) 784-1950<br>FAX 784-9707<br>STONE CONSTRUCTION, INC.<br>2181 - 1071h LANE N.E.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |  |
| 2787 - 10715 LANE N.L.<br>BLAINE, MINNESOTA 55434                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |  |
| JAM HOPS ADDITION<br>1460 133rd Lane NE, Ham Lake, Minnesota                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |
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| Copyright 2022<br>Leonard Lampert Architects Inc.<br>Project Designer: JAMES B<br>Drawn By: JRB<br>Checked By: LL<br>Revisions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |  |
| Project Designer: JAMES B<br>Drown By: JRB<br>Checked By: LL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |
| Project Designer: JAMES B<br>Drawn By: JRB<br>Checked By: LL<br>Revisions<br>7/26/22 ISSUE FOR PERMIT<br>12/27/22 RE-ISSUE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |
| Project Designer: JAMES B<br>Drown By: JRB<br>Checked By: LL<br>Revisions<br>7/26/22 ISSUE FOR PERMIT<br>12/27/22 RE-ISSUE<br>2/24/23 REVISION A<br>COMPONENT TYPES<br>SCHEDULES<br>DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |  |

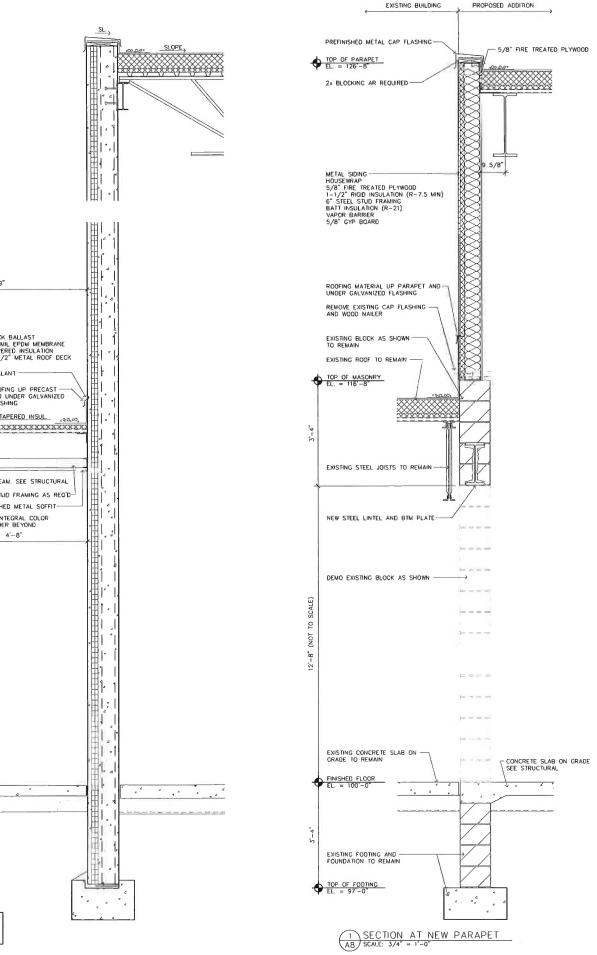


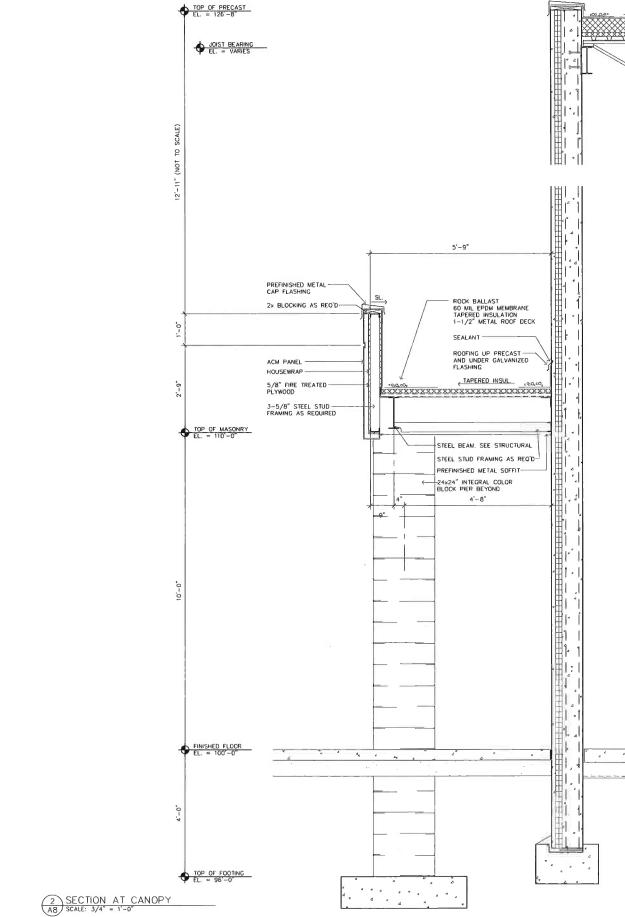


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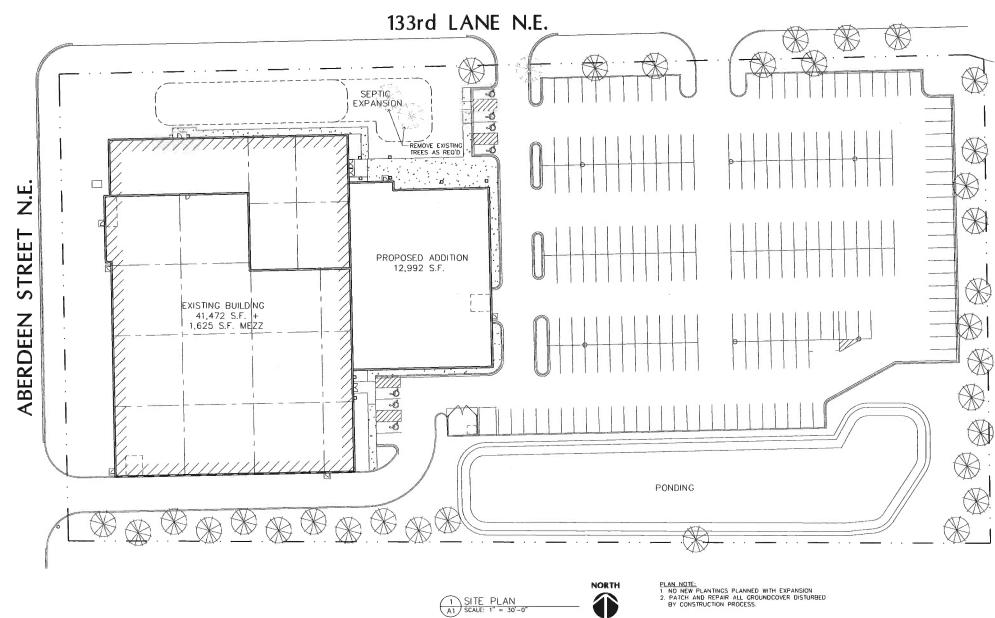








| LAMPERT<br>ARCHITECTS<br>420 Summil Avenue<br>St. Poul, MN S5102<br>Phone:763.757.2849<br>Jamperfelamperf-arch.cam                                                                                                                                                                                                     |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| ARCHITECT CERTIFICATION:<br>I HEREY CERTIFITAT THIS PLAN,<br>SPECIFICATION OR REPORT WAS<br>PREPARED BY ME OR UNDER MY DIRECT<br>SUMMYSDA AND THAT I AN A DULY<br>LUCANS ON HE STATE OF WINNERSTA<br>AND THAT I AND AND THAT I AN A DULY<br>SIGNATURE<br>LECONARD LAMPERT<br>PRATAWE<br>13669<br>LICENER NO<br>2/24/23 |  |  |  |
| 2/24/23<br>DATE<br>(763) 784-1950<br>FAX 784-9707<br>FAX 784-9707<br>STONE CONSTRUCTION, INC.<br>2181 - 107th LANE N.E.<br>BLAINE, MINNESOTA 55434                                                                                                                                                                     |  |  |  |
| JAM HOPS ADDITION<br>1460 133rd Lane NE, Ham Lake, Minnesota                                                                                                                                                                                                                                                           |  |  |  |
| Copyright 2022<br>Leonard Lampart Architects Inc.<br>Project Designer: JAMES B<br>Drown By: JRB<br>Checked By: LL<br>Revisions                                                                                                                                                                                         |  |  |  |
| 7/26/22 ISSUE FOR PERMIT<br>12/27/22 RE-ISSUE<br>2/24/23 REVISION                                                                                                                                                                                                                                                      |  |  |  |
| WALL SECTIONS                                                                                                                                                                                                                                                                                                          |  |  |  |
| Project No. 220422-1                                                                                                                                                                                                                                                                                                   |  |  |  |





| (763) 784-1950<br>FAX 784-9707<br>STONE CONSTRUCTION, INC.<br>2181 - 107/h LANE N.E.<br>BLAINE, MINNESOTA 55434           |
|---------------------------------------------------------------------------------------------------------------------------|
| JAM HOPS ADDITION<br>1460 133rd Lane NE Ham Lake, Minnesota                                                               |
| Drawn By: JRB                                                                                                             |
| Checked By:         LL           Revisions         12/27/22         RE-ISSUE           2/24/23         REVISION         A |
| LANDSCAPE PLAN                                                                                                            |
| Sheet Number                                                                                                              |
| L1                                                                                                                        |

Project No. 220422-1

# Excerpt from Article 11 of the Ham Lake City Code

...

# 11-1800 LANDSCAPING IN COMMERCIALLY ZONED AREAS

In all areas of the City zoned CD-1, CD-2, CD-3 or CD-4, the following conditions shall apply to landscaping and ground cover.

<u>11-1810</u> Landscape Plan Required No building permit shall be issued for construction on a vacant lot, nor for any addition to an existing building involving the addition of 500 square feet or more of additional building space, unless the applicant shall have first submitted and obtained approval of the City Council, after review by the Planning Commission, of a landscaping plan meeting the requirements of this code.

<u>11-1820</u> Installation Required No certificate of occupancy shall be issued for any construction which required a landscaping plan unless the applicant has installed all of the elements of the landscaping plan, or unless the applicant has posted security acceptable to the City to guarantee timely installation of all landscaping.

<u>**11-1830**</u> Time for Submission The landscaping plan shall be submitted, whenever possible, at the time of site plan approval. If the landscaping plan is not submitted at the time of site plan approval, it must be separately reviewed by the Planning Commission and approved by the City Council prior to the issuance of any building permits.

### 11-1840 Contents and Specifications

The landscaping plan shall be a quality document prepared at a scale of one-inch equals thirty feet, showing all relevant dimensions. Fifteen copies of the plan shall be submitted by the applicant. The following data shall be displayed on the plan, legibly labeled:

- A. Perimeter of all buildings, signs or other structures;
- B. Parking lots and walkways, identifying pavement material;
- C. Areas of decorative rock, identifying type of rock;
- **D.** Areas of lawn;

**E.** Other areas where other than natural wooded vegetation is to be used as ground cover, identifying the ground cover to be used;

- F. Locations, trunk size, height and species of all trees to be planted;
- **G**. Locations where existing natural wooded vegetation will remain undisturbed;
- **H.** All other landscaping features to be used.

#### 11-1850 MINIMUM LANDSCAPING REQUIREMENTS

<u>**11-1851**</u> Paved Surfaces All surfaces upon which motor vehicles will be parked or driven, and all areas in which pedestrians will be walking from point to point shall

be surfaced with asphalt or concrete, to specifications established by the City's engineer.

**<u>11-1852</u>** Ground Cover On any side of a lot which abuts a public road, the area from the road right-of-way to the nearest building side shall be entirely covered with ground cover consisting of pavement, decorative rock bordered with edging, lawn grass intended for regular mowing, mulch, bark, wood chips or other commonly used landscaping ground cover. Shingles, aggregate and clay mixtures such as Class V material, recycled concrete or asphalt, and other non-conventional ground covers shall not be permitted. Loose ground cover shall be installed to a depth of at least three inches. Any area which is covered by landscaping ground cover (not lawn or pavement) shall also include one decorative shrub for each ten square feet of ground cover.

Side yards and rear yards which do not contain existing natural wooded vegetation shall either be covered with ground cover in the manner stated above for front yards, or shall be planted so as to encourage the emergence of natural wooded vegetation, through the planting of tree species expected to reach a height of at least twenty five feet. Areas so prepared shall not be required to have mown lawn areas, but may be allowed to return to a natural state.

**<u>11-1853</u>** Tree Plantings Trees which are planted outside of areas intended to return to a natural wooded state shall be of a variety indigenous to the local climate. Deciduous trees shall, when planted, have a trunk size of at least one and one half inches at a height of four feet from ground level. Conifers shall have a height of at least five feet. Tree locations are subject to review and approval of the City in the landscaping plan review process, and while no specific number of trees are required, the following general principles shall be observed;

A. Where property lines are adjacent to residential areas, a planting screen of conifers shall be required, of sufficient size and proximity to provide an intermingled screen within five years;

**B.** Decorative trees shall be planted along the right of way lines of adjacent public roadways;

- **B.** The use of conifers shall be encouraged and preferred.
- **C.** Whenever possible, an attempt will be made to preserve stands of existing vegetation, particularly treed or wooded areas.

### 11-1860 Case by Case Evaluation

Recognizing that the City contains a wide variety of commercial land, the landscape approval process shall be on a case by case basis. Where wetlands are present, or where large distances separate a commercial lot from adjacent lands, for example, strict adherence to screening requirements may be unnecessary. Likewise, strict adherence to the remaining provisions of Article 11-1800 may be unnecessary where size, spatial relationships, topography or other physical features render a given landscaping plan aesthetically acceptable, and departures from the strict observance of the elements of Article 11-1800 shall not be considered variances requiring a showing of physical

hardship. Conversely, an applicant shall be expected to meet the general spirit of this article in establishing an aesthetically pleasing landscaping plan.



# NOTICE OF PERMIT APPLICATION STATUS

| Project:             | Jam Hops Addition                                                        |
|----------------------|--------------------------------------------------------------------------|
| Date:                | March 13, 2023                                                           |
| Applicant:           | Jam Hops<br>Attn: Brenda Nolby<br>1460 133rd Ln NE<br>Ham Lake, MN 55304 |
| Permit Application#: | P-23-026                                                                 |
| Purpose:             | Building addition, sidewalk and parking addition                         |
| Location:            | 1460 133rd Ln NE, Ham Lake                                               |

At their meeting on March 13, 2023, the Board of Managers of the Coon Creek Watershed District the above referenced project with 3 conditions and 0 stipulations. **This is NOT a permit.** 

Prior to permit issuance, the following conditions must be fulfilled. Please respond to each of these items in writing when resubmitting application materials to the District.

#### **Conditions:**

- 1. Submittal of a performance escrow in the amount of \$2,775.00.
- 2. Provide a note on the erosion and sediment control plan that disturbed soils and stockpiles will be temporarily or permanently stabilized within 24 hours after construction activity in that area has temporarily or permanently ceased.
- 3. Provide proof that an application has been submitted to the MPCA for an NPDES Construction Stormwater Permit

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

Sincerely,

n Edison

Erin Edison Watershed Development Coordinator

cc: File P-23-026 Eileen Weigel, Stantec Danielle Tourtillott, Stantec Tom Collins, Ham Lake

#### PERMIT COON CREEK WATERSHED DISTRICT 13632 Van Buren St NE Ham Lake, MN 55304 Permit Number: 2322

| Project:              | Jam Hops Addition                                                                         |
|-----------------------|-------------------------------------------------------------------------------------------|
| Issued to:            | CBN Enterprises LLC<br>Brenda Nolby<br>1460 133 <sup>rd</sup> Ln NE<br>Ham Lake, MN 55304 |
| Location:             | 1460 133rd Ln NE, Ham Lake                                                                |
| Permit Application #: | P-23-026                                                                                  |
| Purpose:              | Building addition, sidewalk and parking addition                                          |

At its meeting on March 13, 2023, the Board of Managers of the Coon Creek Watershed District reviewed and approved your permit application. The following exhibits are on file describing the approved project:

- 1. Permit Application; by CBN Enterprises LLC, dated 2/08/2023, received 2/13/2023.
- 2. Construction Plans (7 sheets); by Plowe, dated 04/12/2023, received 04/12/2023.
- 3. Building Plans (13 sheets); by Lampert Architects, dated 02/24/2023, received 04/12/2023.
- 4. Stormwater Management Plan; by Plowe, dated 01/31/2023, received 04/12/2023.

The Board of Managers found the project as planned to be in accordance with the Rules and Regulations, and Guidelines of the District, and therefore, approved the permit with 0 stipulations.

A follow up inspection will be conducted at the project site to assure compliance with all stipulations to this Permit. Failure to comply with the foregoing may result in rescission of the Permit, and is a violation of Minnesota Statutes section 103D.545, a misdemeanor. This document is not transferable.

Date of Issuance: 5/25/2023 Date of Expiration: 5/2/5/2024 Tim K Hy, D Administrator ct File- P23-026

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

\*\*\*IMPORTANT PERMIT REQUIREMENTS OUTLINED ON REVERSE\*\*\*

#### **GENERAL PERMIT STIPULATIONS:**

- 1. The permittee must maintain the project authorized by this permit in good condition and in conformance with the terms and conditions of this permit.
- 2. The permittee shall grant access to the site at all reasonable times during and after construction to authorized representatives of the District for inspection of the work authorized hereunder.
- 3. The permittee shall utilize best management practices on the project site to minimize the potential for adverse impacts associated with erosion and sedimentation.
- 4. This permit applies only to the permitted project and the dated plans approved on this permit. If the design, location or purpose of the project changes you should contact the District to make sure the changes would not violate District Rules or applicable state law.
- 5. Construction work authorized under this permit shall be completed on or before the date specified above. The permittee may request an extension of the time to complete the project, stating the reason thereof, upon written request to the District.
- 6. The District may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:
  - a. You fail to comply with the terms and conditions of this permit.
  - b. The information provided by you or in support of your permit application proves to have been false, incomplete, or inaccurate.
  - c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.
- 7. Permittee shall ensure that the contractor has received and thoroughly understands all conditions of this permit.

#### ADDITIONAL WETLAND-RELATED PERMIT CONDITIONS:

The following additional terms and conditions apply to replacement wetland(s) approved as part of this permit.

- 1. The replacement wetland approved as part of this permit must be constructed concurrent with or prior to any wetland fill or draining activity; or the District has received and accepted an irrevocable bank letter of credit, a performance bond, or other security acceptable to the District in an amount sufficient to guarantee the successful completion of the wetland replacement as provided under Minn. Rules 8420.0530 (B)(2), as amended.
- The Notice of Use Restrictions and Maintenance Responsibilities specified in Minn. Rules 8420.0530(D)(6), as amended, must be recorded and proof of recording provided to the District within 30 days of completing construction of the replacement wetland (completion of construction as determined by the District).
- 3. The permittee each year for five years following completion of the replacement wetland must submit to the District a Monitoring Report on the replacement wetland, which Report includes the information specified in Minn. Rules 8420.0620, as amended. The Report must be submitted to the District no later than October 1 of each year.

THIS CERTIFICATION ONLY APPLIES TO THE WCA OF 1991, AS AMENDED. Permits from local, state, and federal agencies may be required. Check with the appropriate authorities before commencing work in or near wetlands. The Combined Project Notification form can be used for this purpose.

**REFUNDING OF ESCROWS**: Upon completion of the project the applicant shall notify the District that:

- 1. The project is complete
- 2. The site is stabilized
- 3. The project is ready for final inspection
- 4. All stipulations listed on this permit have been fulfilled
- 5. If applicable, the applicant would like return of its escrow

Upon receipt of such notification the District will inspect the project for conformance with the permit conditions and requirements, permitted plans and water resources associated with the implementation of those plans resulting from construction. If the District determines the project is not complete and/or not stabilized the District will inform the applicant in writing. If the District determines the site is complete and stabilized, the permit conditions and requirements have been satisfied, the District will execute the appropriate refund at its next regularly scheduled meeting where the Board pays bills (typically the second Monday of each month).

Escrow refunds will be calculated as follows and shown on the refund check

- 1. Amount of escrow balance paid in cash;
- 2. Minus any permit review and/or inspection fees
- 3. Minus any other project-related expenses incurred by the District.



<u>Data</u>

# **Construction Stormwater Search**

# <sup>></sup>ermit Coverage Information

Prefered ID:

C00066075 Construction Stormwater Permit

Project Name:

Jam Hops

Address:

1460 133rd Ln NE Ham Lake, MN 553047045

Lanc 1091 ft Green Elk River Whidus Forest Lake Forest Ramsey Cruw Hennepin Andover h. Big Marine Anoka Man St NW Main St Washington Lino Lakes Coon Rapids Champlin Hugo Blaine St. 163 Oller Lake Brooklyn Park Mounds View Maple Grove White Bear Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS Powered by Esri

lat/long: 45.212013,-93.23197;

O Permit summary

Active

New search

| Site information      |                          |
|-----------------------|--------------------------|
| Site Name:            | Jam Hops                 |
| Location Description: |                          |
| County:               | Anoka                    |
| Owner:                | CBN Enterprises LLC      |
| Owner Org Type:       | Private (Non-Government) |
| Latitude:             | 45.212013                |
| Longitude:            | -93.231972               |
|                       |                          |

| remitimornation                 |                                |
|---------------------------------|--------------------------------|
| Preferred ID:                   | C00066075                      |
| Permit Type:                    | Construction Stormwater Permit |
| Permit Coverage Date:           | 03/17/2023                     |
| Estimated Start Date:           | 04/16/2023                     |
| Estimated Completion Date:      | 09/29/2023                     |
| Termination Date:               |                                |
| Project Information             |                                |
| Project Size (acres):           | 1.68                           |
| Existing Impervious Area:       | 1.58                           |
| Resulting Impervious Area:      | 1.58                           |
| Other Project Type Description: |                                |

# Site Contacts

| Contact<br>type         | Name                         | Email                            | Address                | City   | State | Zip            | Office<br>Phone      | Effective<br>Start |
|-------------------------|------------------------------|----------------------------------|------------------------|--------|-------|----------------|----------------------|--------------------|
| is owned by             | Brenda Nolby                 | bnolby@jamhops.com               | 1460<br>133rd LN<br>NE | Blaine | MN    | 55304          | 763-<br>413-<br>0647 | 03/17/2023         |
| is owned by             | CBN<br>Enterprises<br>LLC    |                                  | 1460<br>133rd LN<br>NE | Blaine | MN    | 55304          | 763-<br>413-<br>0647 | 03/17/2023         |
| has<br>contractor<br>of | Mitch Stone                  | mitch.s@stoneconstructioninc.com | 2181<br>107th Ln<br>NE | Blaine | MN    | 55449-<br>5237 | 763-<br>784-<br>1950 | 03/17/2023         |
| has<br>contractor<br>of | stone<br>construction<br>inc | mitch.s@stoneconstructioninc.com | 2181<br>107th Ln<br>NE | Blaine | MN    | 55449-<br>5237 | 763-<br>784-<br>1950 | 03/17/2023         |

# Contact us

651-296-6300 or 800-657-3864

• Email us