

CITY OF HAM LAKE

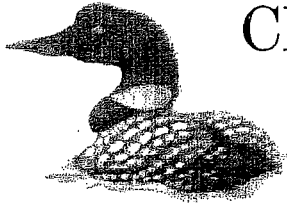
15544 Central Avenue NE
Ham Lake, Minnesota 55304
(763) 434-9555
Fax: (763) 434-9599

CITY OF HAM LAKE CITY COUNCIL AND ECONOMIC DEVELOPMENT AUTHORITY AGENDA MONDAY, OCTOBER 2, 2023

- 1.0 CALL TO ORDER - 6:00 P.M. – Pledge of Allegiance**
- 2.0 PUBLIC COMMENT**
- 3.0 SPECIAL APPEARANCES/PUBLIC HEARINGS – None**
- 4.0 CONSENT AGENDA**

These items are considered to be routine and will be enacted in one motion. There will be no separate discussion of these items unless a Councilmember or citizen so requests, in which event the item will be removed from the Consent Agenda and considered in normal sequence. (All items listed on the Consent Agenda are recommended for approval.)

- 4.1 Approval of minutes of September 18, 2023
- 4.2 Approval of claims
- 4.3 Approval of a Letter of Support for the TH65 and Bunker Lake Boulevard NE Interchange funding application
- 4.4 Approval of the 2024 Residential Recycling Agreement with Anoka County
- 4.5 Approval of an Ordinance rezoning Hidden Forest East Fourth Addition
- 4.6 Approval of an Ordinance rezoning portions of land of Entsminger Farms from R-A (Rural Single Family Residential) to CD-2 (Commercial Development II) and a portion of land of the Coon Creek Commercial Park from CD-2 (Commercial Development II) to R-A (Rural Single Family Residential) in Section 29
- 4.7 Approval of appointing David Ross to the Planning Commission with the term of October 9, 2023 to March 15, 2026
- 4.8 Approval of Plans and Specifications for replacement of the 152nd Avenue cross-culverts in Brook View Meadows
- 4.9 Approval of a lot line adjustment for Tom Elwell (4611 139th Lane NE) in Section 36
- 4.10 Approval of the proposed Sunrise Watershed Management Organization Funding Formula and invoice to complete the revisions of the Joint Powers Agreement (JPA)
- 4.11 Approval of a Resolution accepting a \$5,000 donation from the Ham Lake Chamber of Commerce
- 4.12 Approval of a Resolution scheduling a public hearing to vacate a portion of Stutz Street NE dedicated on the recorded plat of Hidden Forest East Third Addition
- 5.0 PLANNING COMMISSION RECOMMENDATIONS**
- 5.1 Tom Elwell requesting rezoning of 4611 139th Lane NE from R-A (Rural Single Family Residential) to R-1 (Single Family Residential) (first reading of ordinance)
- 5.2 Jeff Stalberger, HFN Properties, LLC, requesting Final Plat approval for Hidden Forest East Fourth Addition (22 Single Family Residential lots and 3 Out lots) in Sections 24 and 25
- 6.0 ECONOMIC DEVELOPMENT AUTHORITY – None**
- 7.0 APPEARANCES – None**
- 8.0 CITY ATTORNEY**
- 9.0 CITY ENGINEER**
- 10.0 CITY ADMINISTRATOR**
- 11.0 COUNCIL BUSINESS**
- 11.1 Committee Reports
- 11.2 Announcements and future agenda items



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CITY OF HAM LAKE CITY COUNCIL AND ECONOMIC DEVELOPMENT AUTHORITY MINUTES MONDAY, SEPTEMBER 18, 2023

The Ham Lake City Council and Economic Development Authority met for its regular meeting on Monday, September 18, 2023 at 6:00 p.m. in the Council Chambers at the Ham Lake City Hall located at 15544 Central Avenue NE in Ham Lake, Minnesota.

MEMBERS PRESENT: Mayor Brian Kirkham and Councilmembers Jim Doyle, Gary Kirkeide and Jesse Wilken

MEMBERS ABSENT: Al Parranto

OTHERS PRESENT: City Attorney, Mark Berglund; City Administrator, Denise Webster; City Engineer, Dave Krugler; and Deputy City Clerk, Dawnette Shimek

1.0 CALL TO ORDER - 6:00 P.M. – Pledge of Allegiance

Mayor Kirkham called the meeting to order and the Pledge of Allegiance was recited by all in attendance.

2.0 PUBLIC COMMENT

Gary Osendorf, 13450 Staples Street NE, presented photos and is concerned because the disturbed boulevard was not replaced with black soil when the road was upgraded. Mr. Osendorf added that there are tons of rocks in the boulevard that need to be removed. Mayor Kirkham stated that the Road Committee will be addressing this at their October 3, 2023 meeting. Mayor Kirkham asked if he has an irrigation system. Mr. Osendorf stated that he is not going to replace the irrigation system in that area and wants black dirt.

3.0 SPECIAL APPEARANCES/PUBLIC HEARINGS

3.1 PUBLIC HEARING – 6:01 p.m. – to consider the assessment roll for the 2024 Street Light Fees and adoption of Resolution No. 23-43

Mayor Kirkham opened the public hearing for public comment at 6:03 p.m. and with there being no comment, Mayor Kirkham closed the public hearing at 6:03 p.m.

Motion by Kirkham, seconded by Wilken, to adopt Resolution No. 23-43 approving the assessment roll for the 2024 Street Light Fees. All present in favor, motion carried.

3.2 PUBLIC HEARING – 6:01 P.M. – to consider the vacation of a portion of the drainage and utility easement at 14932 Harpers Street NE (Lot 3, Block 1, Maple Ridge) and adoption of Resolution No. 23-44

Mayor Kirkham opened the public hearing for public comment at 6:03 p.m. and with there being no comment, Mayor Kirkham closed the public hearing at 6:03 p.m.

Motion by Kirkham, seconded by Kirkeide, to adopt Resolution No. 23-44 approving the vacation of a portion of the drainage and utility easements located on Lot 3, Block 1, Maple Ridge (14932 Harpers Street NE). All present in favor, motion carried.

4.0 CONSENT AGENDA

These items are considered to be routine and will be enacted in one motion. There will be no separate discussion of these items unless a Councilmember or citizen so requests, in which event the item will be removed from the Consent Agenda and considered in normal sequence. (All items listed on the Consent Agenda are recommended for approval.)

- 4.1 Approval of minutes of September 5, 2023
- 4.2 Approval of claims in the amount of \$1,598,272.52
- 4.3 Approval of scheduling a Workshop Meeting on Tuesday, October 3, 2023 at 3:00 p.m. to discuss the 2024 Law Enforcement Contract
- 4.4 Approval of Ordinance No. 23-08 amending Article 9 of the Ham Lake City Code regarding Affordable Housing District (RA-H), Assisted Living Facilities and Nursing Homes as Conditional Uses in RA-H and repealing pigeons
- 4.5 Approval of the First Reading of an Ordinance rezoning portions of land of Entsminger Farms from R-A (Rural Single Family Residential) to CD-2 (Commercial Development II) and a portion of land of the Coon Creek Commercial Park from CD-2 (Commercial Development II) to R-A (Rural Single Family Residential) in Section 29
- 4.6 Approval of accepting the 2023 Bituminous Overlay Project and commencement of the one-year warranty period
- 4.7 Approval of accepting the grant from GameTime for the playground structures for Crosstown Rolling Acres and Hidden Forest East Parks and fencing for the pickleball courts at City Hall
- 4.8 Approval of accepting the Twin Birch Acres Street Reconstruction Project

Motion by Kirkeide, seconded by Doyle, to approve the September 18, 2023 Consent Agenda as written. All present in favor, motion carried.

5.0 PLANNING COMMISSION RECOMMENDATIONS – None

6.0 ECONOMIC DEVELOPMENT AUTHORITY – None

7.0 APPEARANCES – None

8.0 CITY ATTORNEY

8.1 Discussion of the Sunrise Watershed Management Organization

Attorney Berglund updated the City Council with recent discussions regarding the Sunrise Watershed Management Organization. Attorney Berglund stated that if a budget is ratified by only three of four communities, it cannot increase more than 10% from the annual amount in the approved watershed plan for that year. Attorney Berglund stated that operation costs will be divided between the four communities. Mayor Kirkham stated that the new funding formula will no longer be using market value and will be divided by the percentage of property each community has within the watershed district. Jamie Schurbon, SRWMO Administrator, will be updating the communities involved. Attorney Berglund stated he will have something for the City Council to view at a later date.

9.0 CITY ENGINEER – None

10.0 CITY ADMINISTRATOR – None

11.0 COUNCIL BUSINESS

11.1 Committee Reports

Councilmember Kirkeide stated that there was a Fire Station meeting and no action was taken.

Mayor Kirkham stated that he and Councilmember Doyle have an interview scheduled for the open Finance Director position.

11.2 Announcements and future agenda items – None

Motion by Kirkeide, seconded by Wilken, to adjourn the meeting at 6:08 p.m. All present in favor, motion carried.

Dawnette Shimek, Deputy City Clerk

CITY OF HAM LAKE
CLAIMS SUBMITTED TO COUNCIL
October 2, 2023

CITY OF HAM LAKE

EFTS, CHECKS, AND BANK DRAFTS		09/19/23 - 10/02/23	
EFT	# 1923 - 1928		\$ 69,679.01
REFUND CHECKS	# 65448 - 65457		\$ 23,753.33
CHECKS	# 65458 - 65474		\$ 11,143.69
BANK DRAFTS	DFT0002598 -DFT0002606		\$ 29,093.25
TOTAL EFTS, CHECKS, AND BANK DRAFTS			<u>\$ 133,669.28</u>
PAYROLL CHECKS			
09/22/23	Direct Deposits		\$ 43,237.94
TOTAL PAYROLL CHECKS			<u>\$ 43,237.94</u>
VOID CHECKS			
CHECKS			
ZERO EFT			\$ -
BANK DRAFTS			\$ -
TOTAL VOIDS			<u>\$ -</u>
TOTAL OF ALL PAYMENTS			<u><u>\$ 176,907.22</u></u>

APPROVED BY THE HAM LAKE CITY COUNCIL THIS 2ND DAY OF OCTOBER 2023

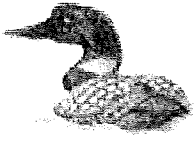
MAYOR

COUNCILMEMBER

COUNCILMEMBER

COUNCILMEMBER

COUNCILMEMBER



Packet: ARPKT00902 - 09/20/23 TRUST REFUNDS

Refund Detail

Account Number	Name	Check Date	Check Number	Amount
00062	RIDGE ROCKERS LLC	9/20/2023	65448	5,100.00
00293	TOM DETERMAN	9/20/2023	65449	150.00
00346	TJB HOMES INC	9/20/2023	65450	2,500.00
00351	TJB HOMES	9/20/2023	65451	2,500.00
00404	TJB HOMES	9/20/2023	65452	2,500.00
00406	DIANE NOREN	9/20/2023	65453	150.00
00412	JIM BORDEN	9/20/2023	65454	2,500.00
00421	HEATHER WILLETTE	9/20/2023	65455	150.00
Total Refund Amount:				15,550.00

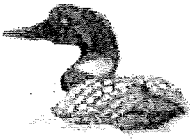
Revenue Totals

Revenue Code	Total Distribution
TRUST DEPOSITS - TRUST DEPOSITS	15,550.00
Revenue Totals:	15,550.00

General Ledger Distribution

Posting Date: 09/20/2023

Account Number	Account Name	Posting Amount	IFT
Fund: 890 - TRUST FUND			
890-10101	Cash-claim on pooled cash	-15,550.00	Yes
890-11501	Misc receivables	15,550.00	
	890 Total:	0.00	
Fund: 999 - POOLED CASH			
999-10100	Pooled Cash	-15,550.00	
999-20702	Due to other funds	15,550.00	Yes
	999 Total:	0.00	
	Distribution Total:	0.00	



City of Ham Lake, MN

Refund Check Register

Packet: ARPKT00904 - L4B1 ENCHANTED ESTATES 3RD GRADING ESCROW

Refund Detail

Account Number	Name	Check Date	Check Number	Amount
00147	S & R BUILDERS	9/21/2023	65456	8,053.33
			Total Refund Amount:	8,053.33

Revenue Totals

Revenue Code	Total Distribution
TR- PERF BOND - PERFORMANCE BOND DEPOSIT	8,000.00
TR - PERF INT - PERFORMANCE BOND INTEREST	53.33
Revenue Totals:	8,053.33

General Ledger Distribution

Posting Date: 09/21/2023

Account Number	Account Name	Posting Amount	IFT
Fund: 890 - TRUST FUND			
890-10101	Cash-claim on pooled cash	-8,053.33	Yes
890-22804	Performance bonds	8,053.33	
	890 Total:	0.00	
Fund: 999 - POOLED CASH			
999-10100	Pooled Cash	-8,053.33	
999-20702	Due to other funds	8,053.33	Yes
	999 Total:	0.00	
	Distribution Total:	0.00	



Packet: ARPKT00906 - 09/22/23 TRUST REFUND

Refund Detail

Account Number	Name	Check Date	Check Number	Amount
00230	JOHN STENTZ	9/22/2023	65457	150.00
			Total Refund Amount:	150.00

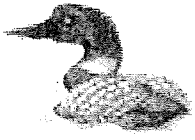
Revenue Totals

Revenue Code	Total Distribution
TRUST DEPOSITS - TRUST DEPOSITS	150.00
Revenue Totals:	150.00

General Ledger Distribution

Posting Date: 09/22/2023

Account Number	Account Name	Posting Amount	IFT
Fund: 890 - TRUST FUND			
890-10101	Cash-claim on pooled cash	-150.00	Yes
890-11501	Misc receivables	150.00	
	890 Total:	0.00	
Fund: 999 - POOLED CASH			
999-10100	Pooled Cash	-150.00	
999-20702	Due to other funds	150.00	Yes
	999 Total:	0.00	
	Distribution Total:	0.00	



Payment Dates 9/19/2023 - 10/2/2023

Payment Number	Vendor Name	Description (Item)	Account Name	Account Number	Amount
1923	CMT JANITORIAL SERVICES	SHERIFF'S OFFICE CLEANING	Cleaning service	100-41702-3430	153.00
1923	CMT JANITORIAL SERVICES	CITY HALL CLEANING	Cleaning service	100-41702-3430	612.00
1923	CMT JANITORIAL SERVICES	FIRE #2 CLEANING	Cleaning service	100-42202-3430	151.00
1923	CMT JANITORIAL SERVICES	FIRE #1 CLEANING	Cleaning service	100-42202-3430	161.00
1923	CMT JANITORIAL SERVICES	PW CLEANING	Cleaning service	100-43104-3430	148.00
1923	CMT JANITORIAL SERVICES	SR CENTER CLEANING	Cleaning service	100-44202-3430	300.00
1924	DELTA DENTAL PLAN OF MINN	COBRA - DK	COBRA receivable	100-11502	51.04
1924	DELTA DENTAL PLAN OF MINN	SEPT DENTAL - AM	COBRA receivable	100-11502	-146.50
1924	DELTA DENTAL PLAN OF MINN	OCT DENTAL	Dental Insurance	100-21711	810.03
1925	KILLMER ELECTRIC CO INC	INSTALL POWER FOR PRESSUR	Covid 19	100-41701-4153	1,621.68
1926	O'REILLY AUTOMOTIVE STORE	CONDUIT	Operating supplies	100-43101-2290	7.99
1926	O'REILLY AUTOMOTIVE STORE	#65 OIL FILTER	Equipment parts & supplies	100-44101-2320	9.92
1927	QUADIENT FINANCE USA INC	POSTAGE	Postage	100-41701-2120	500.00
1928	RFC ENGINEERING, INC.	TWIN BIRCH ACRES	Engineering	431-43301-3135	2,227.84
1928	RFC ENGINEERING, INC.	LUND'S LAKEVIEW FOREST	Engineering	431-43301-3135	1,081.90
1928	RFC ENGINEERING, INC.	MEADOW PARK RECONSTRUC	Engineering	431-43301-3135	6,438.88
1928	RFC ENGINEERING, INC.	CREEK VALLEY RECONSTRUCTI	Engineering	431-43301-3135	2,793.53
1928	RFC ENGINEERING, INC.	POLK STREET	Engineering	431-43301-3135	74.66
1928	RFC ENGINEERING, INC.	TIPPECANOE STREET	Engineering	431-43301-3135	65.65
1928	RFC ENGINEERING, INC.	CROSSTOWN BUSINESS PARK	Capital assets	262-46101-5110	2,671.27
1928	RFC ENGINEERING, INC.	CROSSTOWN SHOPPING CENT	Engineering	431-43301-3135	9,886.56
1928	RFC ENGINEERING, INC.	STREET LIGHT MAILING LIST	Engineering	100-41101-3135	274.43
1928	RFC ENGINEERING, INC.	COON LAKE CHANNEL DREDG	Engineering	100-41101-3135	53.47
1928	RFC ENGINEERING, INC.	COUNCIL MEETINGS	Engineering	100-41101-3135	197.40
1928	RFC ENGINEERING, INC.	2023 TAX FORFEIT PARCELS	Engineering	100-41101-3135	185.54
1928	RFC ENGINEERING, INC.	ANOKA COUNTY GIS DATA EX	Engineering	100-41101-3135	91.48
1928	RFC ENGINEERING, INC.	CITY CODE UPDATE	Engineering	100-41102-3135	953.29
1928	RFC ENGINEERING, INC.	PLANNING COMMISSION MEE	Engineering	100-41601-3135	39.21
1928	RFC ENGINEERING, INC.	BASE MAP	Engineering	100-41601-3135	171.26
1928	RFC ENGINEERING, INC.	AVAILABLE RESIDENTIAL LOTS	Engineering	100-41601-3135	28.54
1928	RFC ENGINEERING, INC.	PLANNING/POTENTIAL DEVEL	Engineering	100-41601-3135	1,501.81
1928	RFC ENGINEERING, INC.	ZONING MAP	Engineering	100-41601-3135	91.48
1928	RFC ENGINEERING, INC.	L3B1 MAPLE RIDGE EASEMEN	Engineering	100-41601-3135	371.07
1928	RFC ENGINEERING, INC.	FIRE MAP	Engineering	100-42201-3135	65.34
1928	RFC ENGINEERING, INC.	FEMA LOMR-DNR	Engineering	100-42401-3135	42.82
1928	RFC ENGINEERING, INC.	4611 - 139TH LANE LOT LINE	Engineering	100-42401-3135	371.07
1928	RFC ENGINEERING, INC.	HAM LAKE BUILDING PERMIT	Engineering	100-42401-3135	893.07
1928	RFC ENGINEERING, INC.	THOROUGHFARE PLAN	Engineering	100-43101-3135	80.81
1928	RFC ENGINEERING, INC.	136TH LANE/LINCOLN STREET	Engineering	100-43101-3135	199.81
1928	RFC ENGINEERING, INC.	BALTIMORE/166TH AVENUE R	Engineering	100-43101-3135	224.55
1928	RFC ENGINEERING, INC.	SNOW PLOW MAPS	Engineering	100-43102-3135	39.20
1928	RFC ENGINEERING, INC.	CULVERT COLLAPSE - SWEDIS	Engineering	100-43103-3135	284.20
1928	RFC ENGINEERING, INC.	CTY DITCH #58 CROSS CULVER	Engineering	100-43103-3135	4,867.51
1928	RFC ENGINEERING, INC.	SRWMO 2023 BUDGET	Engineering	100-43201-3135	385.34
1928	RFC ENGINEERING, INC.	CCWD JURISDICTIONAL BOUN	Engineering	100-43201-3135	14.27
1928	RFC ENGINEERING, INC.	URRWMO 2023 BUDGET	Engineering	100-43201-3135	285.44
1928	RFC ENGINEERING, INC.	HAM LAKE AS LGU-WCA	Engineering	100-43201-3135	171.26
1928	RFC ENGINEERING, INC.	CCWD RULES AMENDMENTS	Engineering	100-43201-3135	169.88
1928	RFC ENGINEERING, INC.	NPDES	Engineering	230-43201-3135	274.60
1928	RFC ENGINEERING, INC.	FIRE #3	Capital assets	420-42201-5110	4,321.95
1928	RFC ENGINEERING, INC.	2023 REHAB	Engineering	431-43301-3135	1,661.80
1928	RFC ENGINEERING, INC.	181ST, CONCORD - 65	Engineering	431-43301-3135	102.56
1928	RFC ENGINEERING, INC.	BUNKER LAKE, JEFFERSON - T	Engineering	431-43301-3135	28.54
1928	RFC ENGINEERING, INC.	162ND LANE/BUCHANAN STR	Engineering	431-43301-3135	1,154.82

Council Approval List

Payment Dates: 9/19/2023 - 10/2/2023

Payment Number	Vendor Name	Description (Item)	Account Name	Account Number	Amount
1928	RFC ENGINEERING, INC.	HIDDEN FOREST EAST WETLA	Engineering	440-44103-3135	371.07
1928	RFC ENGINEERING, INC.	CROSTOWN ROLLING ACRES	Engineering	890-90001-3135	1,606.72
1928	RFC ENGINEERING, INC.	HIDDEN FOREST EAST 4TH	Engineering	890-90001-3135	1,401.05
1928	RFC ENGINEERING, INC.	ENTSMINGER FARMS LOT LIN	Engineering	890-90001-3135	1,936.82
1928	RFC ENGINEERING, INC.	EVERGREEN ESTATES	Engineering	890-90001-3135	891.53
1928	RFC ENGINEERING, INC.	ENCHANTED ESTATES 3RD	Engineering	890-90001-3135	117.17
1928	RFC ENGINEERING, INC.	CONSTANCE BLVD TERRACE	Engineering	890-90001-3135	96.91
1928	RFC ENGINEERING, INC.	L8B1 EAGLE RIDGE EASEMENT	Engineering	890-90001-3135	71.36
1928	RFC ENGINEERING, INC.	COON CREEK COMM PARK	Engineering	890-90001-3135	157.75
1928	RFC ENGINEERING, INC.	WHITETAIL CROSSING 2ND	Engineering	890-90001-3135	17.53
1928	RFC ENGINEERING, INC.	LIVE WIRE ELECTRIC	Engineering	890-90001-3135	171.26
1928	RFC ENGINEERING, INC.	TOUCHDOWN TILE	Engineering	890-90001-3135	1,248.67
1928	RFC ENGINEERING, INC.	H&H LANDSCAPE	Engineering	890-90001-3135	117.61
1928	RFC ENGINEERING, INC.	CATCHERS CREEK	Engineering	890-90001-3135	145.71
1928	RFC ENGINEERING, INC.	SCHWARTZ ESTATES	Engineering	890-90001-3135	185.53
1928	RFC ENGINEERING, INC.	RADISSON SUNSET ESTATES	Engineering	890-90001-3135	337.55
1928	RFC ENGINEERING, INC.	HOLIDAY	Engineering	890-90001-3135	380.59
1928	RFC ENGINEERING, INC.	HIDDEN FOREST EAST 3RD	Engineering	890-90001-3135	617.30
1928	RFC ENGINEERING, INC.	L2B2 CREEKSIDE FARMS - UNL	Engineering	890-90001-3135	689.18
1928	RFC ENGINEERING, INC.	CREEKSIDE FARMS	Engineering	890-90001-3135	803.83
1928	RFC ENGINEERING, INC.	GROUP PERMIT BILLING	Engineering	100-43501-3135	8,743.67
1928	RFC ENGINEERING, INC.	CREEK VALLEY ROW2023-83	Engineering	431-43301-3135	28.54
1928	RFC ENGINEERING, INC.	MEADOW PARK ROW2022-26	Engineering	431-43301-3135	114.18
1928	RFC ENGINEERING, INC.	CREEK VALLEY ROW2022-249	Engineering	431-43301-3135	28.54
1928	RFC ENGINEERING, INC.	181ST, CONCORD - 65 ROW20	Engineering	431-43301-3135	67.50
1928	RFC ENGINEERING, INC.	TWIN BIRCH ACRES ROW2020	Engineering	431-43301-3135	85.63
1928	RFC ENGINEERING, INC.	MSA GROUP BILLING	Engineering	431-43301-3135	28.54
65458	ADAM'S PEST CONTROL, INC	CITY HALL - BEE & INSECT CO	Building repair & maintenanc	100-41702-3420	219.00
65459	ALL AMERICAN TITLE COMPA	JAKE'S AUTO TITLE SEARCH	Other professional services	262-46101-3190	400.00
65460	ARCHITECT MECHANICAL INC	MAINT - CITY HALL	Building repair & maintenanc	100-41702-3420	731.00
65460	ARCHITECT MECHANICAL INC	MAINT - FIRE #2	Building repair & maintenanc	100-42202-3420	268.00
65460	ARCHITECT MECHANICAL INC	MAINT - FIRE #1	Building repair & maintenanc	100-42202-3420	398.00
65460	ARCHITECT MECHANICAL INC	MAINT - PUBLIC WORKS	Building repair & maintenanc	100-43104-3420	559.00
65460	ARCHITECT MECHANICAL INC	MAINT - PARK BUILD	Building repair & maintenanc	100-44102-3420	194.00
65461	ASPEN MILLS INC	PANTS - JM	Clothing & personal protectiv	100-42201-2210	52.95
65461	ASPEN MILLS INC	PANTS - MF	Clothing & personal protectiv	100-42201-2210	52.95
65461	ASPEN MILLS INC	PANTS - DE	Clothing & personal protectiv	100-42201-2210	52.95
65462	CITY OF COLUMBUS	AUGUST SIGNAL LEXINGTON	Electricity	100-43401-3610	25.20
65463	CITY OF ST PAUL	30 TN ASPHALT MIX	Street repair & maintenance s	100-43101-2330	2,611.32
65464	COMCAST BUSINESS	SEPT. FIRE #1 ADD'L CABLE BO	Other professional services	100-42201-3190	11.23
65465	CRYSTEEL TRUCK EQUIP INC	#89 HEAD LIGHTS	Vehicle parts & supplies	100-43101-2340	984.04
65466	DEHN OIL CO	225.4 GAL. DIESEL	Fuel	100-43101-2230	802.09
65466	DEHN OIL CO	226 GAL. GASOLINE	Fuel	100-43101-2230	715.76
65467	FIRESIDE HEARTH & HOME	CANCELLED PERMIT #2023-85	Surcharge	100-22801	1.00
65467	FIRESIDE HEARTH & HOME	DUPLICATE PERMIT #2023-10	Surcharge	100-22801	1.00
65467	FIRESIDE HEARTH & HOME	CANCELLED PERMIT #2023-85	Other construction permits	100-32202	120.00
65467	FIRESIDE HEARTH & HOME	DUPLICATE PERMIT #2023-10	Other construction permits	100-32202	60.00
65468	FIRST ADVANTAGE LNS OCC H	ANNUAL ENROLLMENT - DH	Personnel testing & recruitme	100-41101-3150	36.71
65468	FIRST ADVANTAGE LNS OCC H	ANNUAL ENROLLMENT - EH	Personnel testing & recruitme	100-43101-3150	36.71
65469	FLEETPRIDE	FUEL FILTERS/WATER SEPARAT	Operating supplies	100-43101-2290	15.55
65470	JOEL SMITH HEATING & AIR C	FIRE #2 DRYER VENTS	Building repair & maintenanc	100-42202-3420	892.00
65470	JOEL SMITH HEATING & AIR C	FIRE #1 DRYER VENTS	Building repair & maintenanc	100-42202-3420	892.00
65470	JOEL SMITH HEATING & AIR C	#2 EXHAUST VENTS	Building repair & maintenanc	100-42202-3420	323.00
65471	KINGS III EMERGENCY COMM	ELEVATOR PHONE	Phones/radios/pagers	100-41701-3210	39.17
65472	LEPAGE & SONS INC	9/12 YARDWASTE	Waste management & recycli	231-43601-3630	492.06
65473	NCPERS GROUP LIFE INSURAN	OCT LIFE	Life Insurance	100-21714	96.00
65474	PASKAR CONSTRUCTION	CANCELLED PERMIT #2023-01	Surcharge	100-22801	1.00
65474	PASKAR CONSTRUCTION	CANCELLED PERMIT #2023-01	Building permits	100-32201	60.00
DFT0002598	COMPENSATION CONSULTAN	Health Savings Account	HSA Account	100-21712	150.00
DFT0002599	EMPOWER	Deferred Compensation	Deferred compensation	100-21704	2,005.00

Council Approval List

Payment Dates: 9/19/2023 - 10/2/2023

Payment Number	Vendor Name	Description (Item)	Account Name	Account Number	Amount
DFT0002599	EMPOWER	Roth IRA	Deferred compensation	100-21704	50.00
DFT0002600	EMPOWER-HCSP	PTO Pay Out	Other payroll deductions	100-21706	1,560.00
DFT0002601	IRS-Payroll Tax	Federal Withholding	Federal WH/FICA/MC	100-21701	5,878.99
DFT0002601	IRS-Payroll Tax	Medicare Payable	Federal WH/FICA/MC	100-21701	1,807.42
DFT0002601	IRS-Payroll Tax	Social Security Payable	Federal WH/FICA/MC	100-21701	7,104.76
DFT0002602	MN STATE DEPT OF REVENUE-	MN State Withholding	State W/H	100-21702	2,493.14
DFT0002603	PERA	Retirement-Coordinated	PERA	100-21703	6,545.07
DFT0002603	PERA	Retirement-Elected Officials	PERA	100-21703	81.68
DFT0002603	PERA	Retirement-Police & Fire	PERA	100-21703	1,243.22
DFT0002605	MN STATE DEPT OF REVENUE-	AUGUST FUEL TAX	Fuel	100-43101-2230	93.20
DFT0002606	US POSTMASTER	SEPT SR CENTER POSTAGE	Postage Liability	100-20204	42.01
Grand Total:					109,877.19

Report Summary

Fund Summary

Fund	Payment Amount
100 - GENERAL	64,482.50
230 - FUTURE DRAINAGE	274.60
231 - RECYCLING	492.06
262 - HAM LAKE EDA	3,071.27
420 - FIRE EQUIPMENT	4,321.95
431 - REVOLVING STREET	25,869.67
440 - PARK & BEACH LAND	371.07
890 - TRUST FUND	10,994.07
Grand Total:	109,877.19

Account Summary

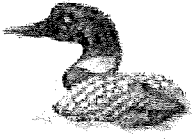
Account Number	Account Name	Payment Amount
100-11502	COBRA receivable	-95.46
100-20204	Postage Liability	42.01
100-21701	Federal WH/FICA/MC	14,791.17
100-21702	State W/H	2,493.14
100-21703	PERA	7,869.97
100-21704	Deferred compensation	2,055.00
100-21706	Other payroll deductions	1,560.00
100-21711	Dental Insurance	810.03
100-21712	HSA Account	150.00
100-21714	Life Insurance	96.00
100-22801	Surcharge	3.00
100-32201	Building permits	60.00
100-32202	Other construction per	180.00
100-41101-3135	Engineering	802.32
100-41101-3150	Personnel testing & recr	36.71
100-41102-3135	Engineering	953.29
100-41601-3135	Engineering	2,203.37
100-41701-2120	Postage	500.00
100-41701-3210	Phones/radios/pagers	39.17
100-41701-4153	Covid 19	1,621.68
100-41702-3420	Building repair & mainte	950.00
100-41702-3430	Cleaning service	765.00
100-42201-2210	Clothing & personal prot	158.85
100-42201-3135	Engineering	65.34
100-42201-3190	Other professional servi	11.23
100-42202-3420	Building repair & mainte	2,773.00
100-42202-3430	Cleaning service	312.00
100-42401-3135	Engineering	1,306.96
100-43101-2230	Fuel	1,611.05
100-43101-2290	Operating supplies	23.54
100-43101-2330	Street repair & mainten	2,611.32
100-43101-2340	Vehicle parts & supplies	984.04
100-43101-3135	Engineering	505.17
100-43101-3150	Personnel testing & recr	36.71
100-43102-3135	Engineering	39.20
100-43103-3135	Engineering	5,151.71
100-43104-3420	Building repair & mainte	559.00
100-43104-3430	Cleaning service	148.00
100-43201-3135	Engineering	1,026.19
100-43401-3610	Electricity	25.20
100-43501-3135	Engineering	8,743.67
100-44101-2320	Equipment parts & suppl	9.92
100-44102-3420	Building repair & mainte	194.00
100-44202-3430	Cleaning service	300.00
230-43201-3135	Engineering	274.60

Account Summary

Account Number	Account Name	Payment Amount
231-43601-3630	Waste management & r	492.06
262-46101-3190	Other professional servi	400.00
262-46101-5110	Capital assets	2,671.27
420-42201-5110	Capital assets	4,321.95
431-43301-3135	Engineering	25,869.67
440-44103-3135	Engineering	371.07
890-90001-3135	Engineering	10,994.07
Grand Total:		109,877.19

Project Account Summary

Project Account Key	Payment Amount
None	80,844.19
201102.033-100	28.54
201805-100	2,313.47
201902.93-100	74.66
201907-100	1,081.90
202002.057-100	170.06
202102.053-100	65.65
202103-100	6,553.06
202105-100	2,850.61
202111-100	2,671.27
202205-100	9,886.56
202302.032-100	1,154.82
231004009	492.06
MISC-100	1,690.34
Grand Total:	109,877.19



City of Ham Lake, MN

Check Register

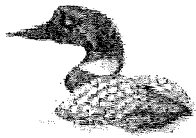
Packet: APPKT01877 - JULY FUEL TAX

By Check Number

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Bank Code: APBNK-A/P BANK						
MNSTATETAX	MN STATE DEPT OF REVENUE-PAYR	08/15/2023	Bank Draft	0.00	38.76	DFT0002604
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>230731</u>	Invoice	07/31/2023	JULY '23 FUEL TAX	0.00	38.76	
<u>100-43101-2230</u>	Fuel		JULY '23 FUEL TAX		38.76	

Bank Code APBNK Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	0	0	0.00	0.00
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	1	1	0.00	38.76
EFT's	0	0	0.00	0.00
	1	1	0.00	38.76



City of Ham Lake, MN

EFT Payroll Check Register

Report Summary

Pay Period: 9/3/2023-9/16/2023

Packet: PYPKT01512 - PPE 09/16/23 PAID 09/22/23

Payroll Set: City of Ham Lake - 01

Type	Count	Amount
Regular Checks	0	0.00
Manual Checks	0	0.00
Reversals	0	0.00
Voided Checks	0	0.00
Direct Deposits	62	43,237.94
Total	62	43,237.94

Memorandum

Date: September 28, 2023

To: Mayor and Councilmembers

From: Tom Collins, City Engineer *TPC*

Subject: Bunker Lake Boulevard improvements west of Trunk Highway 65

Introduction:

Anoka County is submitting an application for Minnesota Highway Freight Program (<https://www.dot.state.mn.us/ofrw/mhfp/>) for 2028 grant funding for a Highway 65 interchange at Bunker Lake Boulevard, with Highway 65 revised to go over Bunker Lake Boulevard. The Minnesota Highway Freight Program is a grant program designed to improve freight safety, mobility, intermodal facilities and first and last mile connections to key destinations.

The Highway 65 intersection with Bunker Lake Boulevard was included in the Trunk Highway 65 Planning and Environmental Linkages Study (TH 65 PEL) that was completed in 2021. The Final Report can be linked from the right-hand side of the Highway 65 safety and mobility corridor study web page (<https://www.dot.state.mn.us/metro/projects/hwy65hamlake-slp/index.html>). Per the Study, two alternatives were carried forward for future consideration - an interchange and a superstreet, including a reduced conflict U-turn intersection. Per discussion at the January 18, 2022 City Council meeting, the City is only in favor of the interchange alternative.

Discussion:

The funding request from the Minnesota Highway Freight Program is \$10.8 million, which is 20% to 25% of the total estimated construction costs. The County intends on submitting an application for Metropolitan Council Regional Solicitation grant funding (<https://metro council.org/Transportation/Planning-2/Transportation-Funding/Regional-Solicitation.aspx>). Regional Solicitation grant funding, that happens once every two years and has approximately \$250 million in federal funds available for 2028/2029, focuses on projects with outcomes of moving more people more effectively, managing congestion and improving air quality. The County is requesting that the Council approve the attached Letter of Support.

The attached bowtie interchange Concept Plan replicates what is proposed for the scheduled 109th Avenue overpass in the City of Blaine. Bowtie intersections replace left turns with roundabouts. The grant application includes a new 10-foot-wide pathway on the north side of Bunker Lake Boulevard to the west of Highway 65. Per my meeting with the Anoka County Highway Department (ACHD) the illustration is only a Concept Plan and property impacts are not known at this time.










The Concept Plan is an overall plan, that included improvements that will not be included in the Minnesota Highway Freight Program or Metropolitan Council Regional Solicitation grant applications. The improvements not to be included with the grant applications include the Lincoln Street roundabout, the 136th Lane/Lincoln Street backage road and the 139th Lane cul-de-sac. Those improvements would be submitted for grant funding through a different source. The ACHD acknowledged that upgrades to the west of Lincoln Street, to convert from 2-lanes to 4-lanes, would be completed at the same time as the interchange.

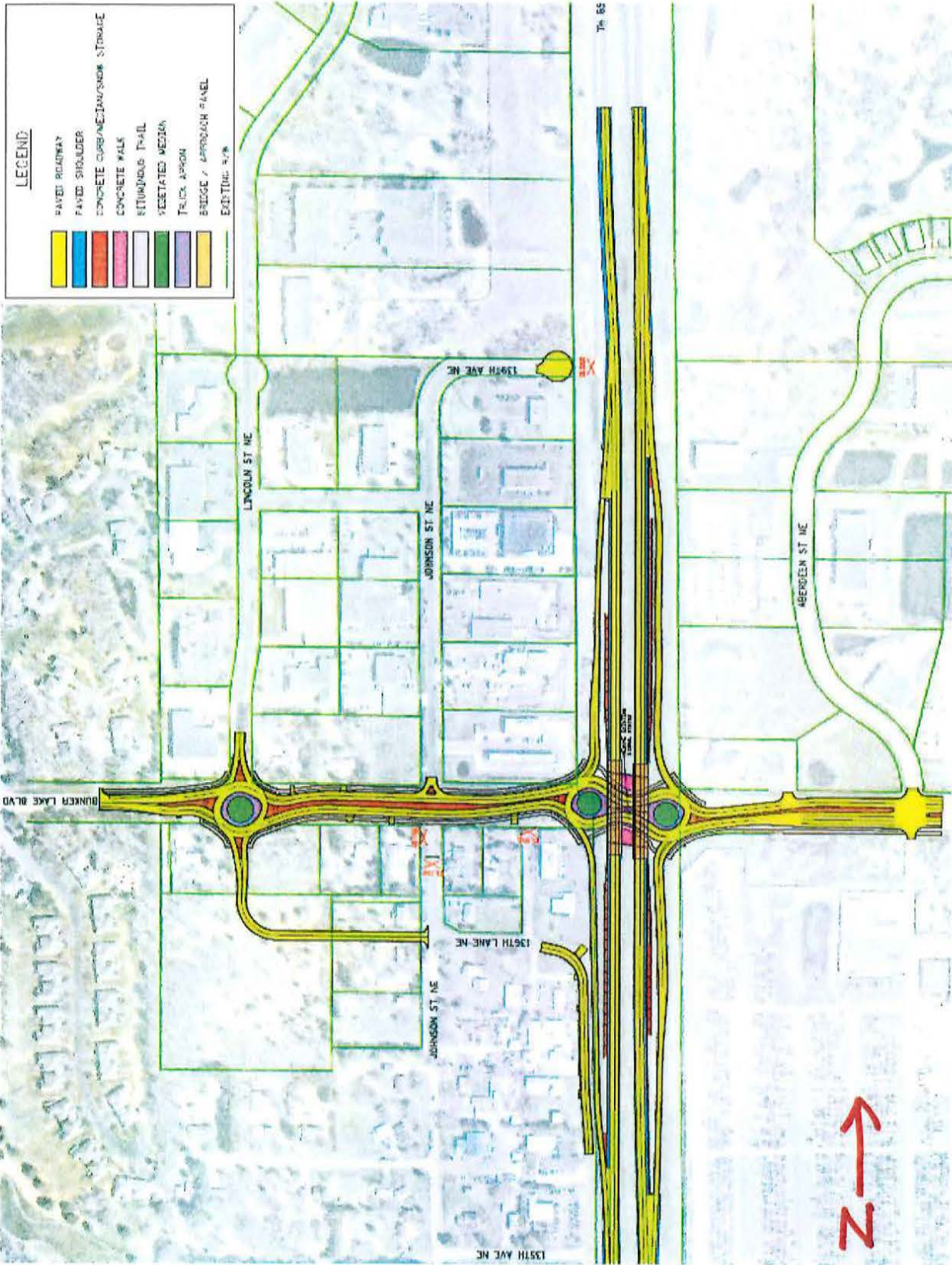
Estimated City costs are unknown at this time. A Joint Powers Agreement would be executed between the City and County that would detail the project scope and the responsibilities of the City and County for acquisitions, cost participation and maintenance. All City costs would be eligible for municipal state aid reimbursement. There would be Park and Beach cost participation for the path costs not covered by grant funding.

Recommendation:

It is recommended that the attached Letter of Support be approved.

LEGEND

	PAVED ROADWAY
	PAVED SHOULDER
	CONCRETE CURB/RAISE/SNOW STORAGE
	CONCRETE WALK
	SITUOUS TRAIL
	VEGETATED MEDIUM
	TRUCK APPROX
	BRIDGE / APPROACH PANEL
	EXISTING ROW



Meeting Date: October 2, 2023

CITY OF HAM LAKE

STAFF REPORT

To: Mayor and Councilmembers

From: Nicole Wheeler, Recycling Coordinator

Subject: Agreement for 2024 Residential Recycling Program

Introduction/Discussion: The following agreement with Anoka County provides for the distribution for SCORE (Select Committee on Recycling and the Environment) funds to the City for the recycling program in the amount of \$85,236.00. Approximately thirty eight percent (38%) of these funds, \$32,510.00, have been committed to Ham Lake Haulers, Inc. to pay the cost of curbside recycling for our residents under the current refuse and recycling contract. The balance of the funds will be used to off-set the cost of recycling events at City Hall and Recycle Technologies, Inc., yard waste and organic drop-off programs, the cost of printing and mailing a promotional flier for all residents informing them of our recycling programs, and other miscellaneous recycling programs.

In 2024 the abatement goal is 1,816 ton of recyclable material. The goal is based on 225 pounds/person/year single family home up to 4 units and 150 pounds/person/year multi-family dwellings 5 units or more. (In 2023, the City's goal was 1780 ton of recyclables.) Residents of the City have recycled 823.32 ton of material through June 30, 2023 satisfying 46.25% of this year's goal.

Recommendation: I recommend approval of the 2024 Agreement for Residential Recycling Program with Anoka County for SCORE funds.



Anoka County
HUMAN SERVICES DIVISION

Community Social Services and Behavioral Health

September 15, 2023

City of Ham Lake
Attn: Brian Kirkham
15544 Central Ave NE
Ham Lake, MN 55304

Dear Mr. Kirkham:

Enclosed is your 2024 contract with Anoka County. Please review the contract and complete the signature portion using DocuSign. If applicable and ready, please attach the necessary insurance information using the attachment link in the DocuSign document. If insurance is not ready and you will be sending this information at a later date, please send to:

Angela.Rodine@co.anoka.mn.us

or

Angie Rodine
County of Anoka
2100 3rd Avenue, 5th Floor
Anoka, MN 55303

PLEASE NOTE: The following information is required as part of your contract. If the contract is signed and executed without receiving this information in a timely manner, it may be referred to the County Attorney's Office for possible Breach of Contract and/or payments may be withheld until information is received.

CERTIFICATE OF LIABILITY INSURANCE - Required

No insurance information is required for this contract.

CONTRACTOR INFORMATION SHEET - Required

Please update/complete and sign this page and return with your contract.

DocuSign will automatically forward a copy of the signed contract to you, once completed. If you have questions regarding the contract, please call your Contract Manager, Sue Doll, at 763-324-3482.

Sincerely,

A handwritten signature in cursive script that reads "Angie Rodine".

Angie Rodine
Administrative Assistant, Planning and Operations Support Services

Anoka County Contract # C0010113

2024 AGREEMENT FOR RESIDENTIAL RECYCLING PROGRAM

THIS AGREEMENT made and entered into on the 1st day of January 2024, notwithstanding the date of the signatures of the parties, between the COUNTY OF ANOKA, State of Minnesota, hereinafter referred to as the "COUNTY", and the CITY OF HAM LAKE, hereinafter referred to as the "MUNICIPALITY".

WITNESSETH:

WHEREAS, the County will receive funding from the State of Minnesota pursuant to Minn. Stat. § 115A.557, the Select Committee on Recycling and the Environment (hereinafter "SCORE funds") during 2024 which must be used to encourage and improve recycling and a portion must be specifically directed to recycling source-separated compostable materials; and

WHEREAS, the County will also receive funding pursuant to Minn. Stat. § 473.8441, Local Recycling Development Grants (hereinafter "LRDG funds") during 2024; and

WHEREAS, the County also has additional budgeted program funding available to supplement SCORE and LRDG funds for solid waste recycling programs, so that the available amount for the Residential Recycling Program is \$1,611,188.00; and

WHEREAS, the County Solid Waste Management Master Plan 2018 (Master Plan 2018) and the Minnesota Pollution Control Agency (hereinafter "MPCA") Metropolitan Solid Waste Management Policy Plan 2016-2036 state that MSW generated in the County that is not reused, recycled, or composted, will be processed to the extent that processing capacity is available; and

WHEREAS, the Master Plan 2018 was developed with the participation of a representative from the Municipality staff, and the Municipality is required to develop and implement programs, practices, or methods designed to meet waste abatement goals by Minn. Stat. § 115A.551, Subd 2a. (b).; and

WHEREAS, the County wishes to assist the Municipality in meeting recycling goals established by Anoka County by providing said SCORE, LRDG, and County budgeted program funds to cities and townships in the County for solid waste recycling programs.

NOW, THEREFORE, in consideration of the mutual covenants and promises contained in this Agreement, the parties mutually agree to the following terms and conditions:

1. **PURPOSE AND CONTRACT DOCUMENTS.** The purpose of this Agreement is to provide for cooperation between the County and the Municipality to implement solid waste recycling programs in the Municipality which will help the County and member municipalities meet the goals set in the current Anoka County Solid Waste Management Master Plan. The County and the Municipality agree that the information provided in the recitals above is to be incorporated into the purpose of this agreement.

The Anoka County Municipal Waste Abatement Grant Program (hereinafter "Grant Program") Contract Documents include: the **Anoka County Municipal Waste**

Abatement Grant Funding Application submitted by the Municipality for the current contract year, and the **Grant Funding Award** issued by Anoka County for the current contract year. These documents are incorporated into this agreement by reference and are components of the entire contract package. The order of precedence of these documents in the event of inconsistency or ambiguity shall be resolved in the following order: 1) this **Agreement for Residential Recycling Program**; 2) **Grant Funding Award**; and 3) **Anoka County Municipal Waste Abatement Grant Funding Application**.

2. **TERM.** The term of this Agreement is from January 1, 2024, through December 31, 2024, unless earlier terminated as provided herein.

3. **DEFINITIONS.** Defined terms contained in this Agreement and all the attachments are found in Minn. Stat. § 115A.03; 115A.471; and 115A.552. The use of capitalization for defined terms has no special effect. Additionally:
 - a. "Full-Service Recycling Drop-off Center" means centralized permanent drop-off center that is open at least two times a week and accepts at least four types of materials beyond traditional curbside recyclables, i.e.: mattresses, appliances, scrap metal, furniture, source-separated compostable materials, electronics, etc.
 - b. "Multi-family dwellings" means households within apartment complexes, condominiums, townhomes, mobile homes, and senior housing complexes.
 - c. "Community Partner" means community festivals which appear to the public to be supported and run by the Municipality but in fact are sponsored or co-sponsored by a municipality or an independent non-profit 501c (3) organization, for example: the Anoka Halloween Parade.

4. **ELIGIBILITY FOR FUNDS.** Per Minn. Stat. § 115A.557, Subd. 1, funding eligibility is based primarily on population, with a minimum funding floor. For 2024, the County has determined that funding will be determined by the Grant Program funding application. The Municipality is entitled to receive reimbursement for eligible expenses, less revenues or other reimbursement received, for eligible activities up to the project maximum, which shall not exceed \$85,236.00. The Municipality shall be provided documentation of the funding award determination and rationale as indicated by the approved 2024 Grant Program Funding Application.

The County reserves the right to assess reimbursement reporting status for each municipality mid-year and recommend funding adjustments as determined by the County Program Specialist managing the Grant Program.

The County also reserves the right to withdraw reimbursement of approved expenses if the requirements noted in section 6. of this contract are not met.

The County also reserves the ability to assess the programs and reallocate unused SCORE and/or, LRDG funds mid-year if any participating municipality demonstrates the need for the funding and funds are available. The Municipality shall be provided documentation of the Grant Program funding award determination and rationale as indicated by the 2024 Grant Program Funding Award.

5. **PROGRAM.** The Municipality shall develop and implement a residential solid waste recycling program adequate to meet the Municipality's annual recycling goal of 1,816 tons of recyclable and source-separated compostable materials as established by the County. The Municipality shall ensure that the recyclable materials collected are delivered to processors or end markets for recycling or composting.
- a. The Municipal recycling program shall include the following components:
 - i. Per Minn. Stat. § 115A.552, each household (including both single and Multi-family dwellings) in the Municipality shall have the Opportunity to Recycle at least four broad types of materials, including but not limited to, paper (including cardboard/paperboard cartons), glass, plastic, and metal.
 - ii. The recycling (including any organics) program shall be operated in compliance with all applicable federal, state, and local laws, ordinances, rules, and regulations.
 - iii. The Municipality shall implement a public information program that contains at least one of the following components:
 - (1) One promotional mailing to each household focused exclusively on the Municipality's recycling and source-separated compostable materials program;
 - (2) One promotional advertisement detailing recycling and source-separated compostable materials opportunities available for residents included in the Municipality's newsletter or local newspaper; or
 - (3) Two community outreach activities at Municipal or Community Partner events to inform residents about recycling and source-separated compostable materials opportunities.
 - iv. The public information components listed above shall focus on all recyclable materials and the various opportunities to recycle and compost source-separated compostable materials within the Municipality. The Municipality shall incorporate County/regional/State campaigns and images and use the toolkits provided by the County when preparing promotional materials. The Municipality, on an ongoing basis, shall identify new residents and provide detailed information on the recycling opportunities available to these new residents. The County shall work with the Municipality on promotional materials to coordinate messages. The Municipality shall provide promotional materials to the County for review prior to publication to ensure accuracy.
 - v. The Municipality shall offer a minimum of one spring or fall recycling drop-off event where items not normally accepted at the curb are collected for recycling. If the Municipality is hosting a monthly drop-off as described below, the spring/fall recycling drop-off events may be included within that program.
 - b. The Municipality is encouraged to expand its recycling program to include one or more of the following components in order to receive additional funding.

- i. Organize monthly/quarterly recycling drop-off events which can be held in conjunction with a neighboring municipality(ies) on a cooperative basis for the citizens of both/all municipalities.
 - ii. Provide a community event recycling program, which at a minimum would consist of providing recycling opportunities at all Municipal sponsored or Community Partner events and festivals as required by Minn. Stat. § 115A.151. The feasibility of adding source-separated compostable material collection at the event will be explored, and if feasible, implemented as an enhancement to the waste abatement program.
 - iii. Provide the opportunity for citizens to engage in recycling activities at Municipal and Community Partner facilities as required by Minn. Stat. § 115A.151 such as athletic fields and public centers.
 - iv. Organize and manage a Full-Service Recycling Drop-off Center.
 - v. Implement enhanced recycling promotion and assistance for Multi-family dwellings.
 - vi. Develop additional opportunities for source-separated compostable materials collection.
 - vii. Develop and implement additional opportunities to recycle bulky and problem materials (e.g., appliances, batteries, electronics, fluorescent lamps, mattresses, oil, scrap metal, etc.) from residents on an on-going basis either curbside or at a drop-off.
- c. If the Municipality's recycling program did not achieve the Municipality's recycling goals as established by the County for the prior calendar year, the Municipality shall work with the County to prepare a plan to achieve the recycling goals set forth in this Agreement.
 - d. The Municipality's recycling program shall be limited to residential programming for funding reimbursements under this Agreement. The County will not reimburse business recycling programming or household hazardous waste programming by the Municipality. Any inquiries or requests regarding these topics should be sent to the County for response.
 - e. In addition to the above requirements designed to increase residential recycling opportunities, the Municipality shall provide recycling opportunities in all municipal buildings including but not limited to, city offices, public meeting rooms and parks, as required by Minn. Stat. § 115A.151.
 - f. If the Municipality requests reimbursement for park/public entity recycling/organics/trash waste systems/containers, the Municipality needs to work with the County before an order is placed to make sure the containers are consistent with the requirements set forth by the County for colors e.g. (blue for recycling, green for organics and gray or black for trash), openings and labels.

- g. Pursuant to Minn. Stat. §§ 115A. 46, 115A.471 and 473.848, all waste generated by municipal government activities (including city/town halls, public works and public safety buildings, parks, and libraries, and for municipalities that arrange for waste services on behalf of their residents (organized collection)) shall be delivered to a waste processing plant for disposal as long as capacity is available. Failure to comply with this provision shall constitute a breach of this Agreement resulting in the loss of all Grant Funding unless, pursuant to statute, the Municipality has conferred with the County and developed a plan to comply within a reasonable period of time.
6. **REPORTING.** The Municipality shall submit the following forms via Re-TRAC: application, reimbursement, and tonnage report forms to the County on the schedule noted below:
- a. June 3, 2024 – Deadline for submitting via Re-TRAC the 2025 Anoka County Municipal Waste Abatement Grant Funding Application and all required attachments
- b. July 12, 2024 – Deadline for submitting via Re-TRAC the 2024 January – June Anoka County Municipal Reimbursement Report Form and all required attachments
- c. July 31, 2024 – Deadline for submitting via Re-TRAC the 2024 January – June Anoka County Municipal Tonnage Report Form and all required attachments
- d. November 15, 2024 – Deadline for submitting via DocuSign the signed 2025 Agreement for Residential Recycling Program
- e. January 10, 2025 – Deadline for submitting via Re-TRAC the 2024 July – December Anoka County Municipal Reimbursement Report Form and all required attachments
- f. January 31, 2025 – Deadline for submitting via Re-TRAC the 2024 July – December Anoka County Municipal Tonnage Report Form and all required attachments
- g. For the Anoka County **Municipal Waste Abatement Grant Funding Application, using set categories in Re-TRAC**, the:
- Municipality is required to follow application instructions
 - Municipality must refer to list of eligible expenses when completing the application
 - Municipality is required to upload in Re-TRAC a complete and accurate 2024 Staffing Metric and Drop-off Calculator
 - Municipality is required to upload in Re-TRAC a complete and accurate .pdf file of up-to-date promotions listing collection opportunities at curbside, permanent drop-off centers or other special events
- h. For the Anoka County **Municipal Reimbursement Report Form, using set categories in Re-TRAC**, the:
- Municipality is required to follow reimbursement form instructions

- Municipality must refer to list of eligible expenses when completing the reimbursement form
 - If the Municipality is being audited, the Municipality must provide a full accounting of the expenses incurred that have been approved in the 2024 Municipal Waste Abatement Grant Funding Application
 - Municipality is required to upload in Re-TRAC a complete and accurate Reimbursement Worksheet which matches the amounts entered in the associated sections in the Re-TRAC Reimbursement Report Form
 - Information regarding any revenue received from sources other than the County, for the Municipality's recycling and source-separated organics programs, i.e., revenue taken in from the sale of recyclables and fees collected from residents, shall be reported
 - Copies of all promotional materials that have been prepared by the Municipality during each reporting period shall be uploaded in the Re-TRAC Reimbursement Report Form
- i. For the **Municipal Tonnage Report Form, using set categories in Re-TRAC**, the:
- Municipality is required to follow tonnage report form instructions
 - Municipality shall keep detailed records documenting the disposition of all recyclable materials collected pursuant to this Agreement
 - When calculating all tonnage categories, weight slips from haulers and end markets are required. If weight slips cannot be obtained, written documentation of the quantity and type of material being reused, recycled, or composted must be provided
 - Using quantity and type of material, the Municipality shall use the conversion factors provided by the County to determine the tonnage
 - If County conversion factors do not apply to any given materials, a description of the methodology used for calculations must be provided to the County
 - If the Municipality is being audited, the Municipality must provide a full accounting of the amount of waste which has been reused, recycled, and composted due to the Municipality's activities and the efforts of other community programs, redemption centers and drop-off centers
 - Municipality is required to upload in Re-TRAC a complete and accurate Tonnage Worksheet which matches the amounts entered in the associated sections in the Re-TRAC Tonnage Report Form
 - For waste abatement programs run by other persons or entities, the Municipality shall provide documentation of materials recycled by the Municipality's residents through these other programs
- j. The Municipality agrees to support County efforts in obtaining hauler reports by ensuring compliance through ordinance, contract or license requirements and the ability to exercise punitive actions, if needed.
- k. The Municipality agrees to furnish the County with additional reports in form and at frequencies requested by the County for financial evaluation, program management purposes, and reporting to the State of Minnesota.

7. **REIMBURSEMENT PAYMENT PROCEDURE.** Approved grant reimbursement payments shall be paid in accordance with standard County procedures, subject to the approval of the Anoka County Board of Commissioners. Payments will not be made until the set contract deadlines are met.

8. **PUBLICATIONS.** The Municipality shall acknowledge the financial assistance of Anoka County on all promotional materials, reports and publications relating to the activities funded under this Agreement, by including the following acknowledgement: "Funded by the Anoka County Board of Commissioners and State SCORE funds." The Municipality shall provide to the County copies of all promotional materials funded by this grant.

The County shall provide to the Municipalities printed public information pieces about County programs and topics developed by the Recycling Education Committee (REC). The Municipality shall not modify County provided publications and promotional materials.

Information about all County programs and drop-off sites that a Municipality plans to publish in a Municipal communication, printed, electronic, or on social media platforms shall be provided to the County for review and approved by the County prior to publication. This includes all information related to County waste prevention, reduction, recycling programs, County household hazardous waste operations and the County compost sites.

To ensure content accuracy and message consistency throughout the region, any technical information about waste prevention, reduction, recycling, composting and household hazardous waste should be provided to the County for review, before it is printed, to verify that it is correct information for Anoka County. Information copied from the Internet may not be accurate for the twin cities metro area.

9. **INDEMNIFICATION.** The County agrees to indemnify, defend, and hold the Municipality harmless from all claims, demands, and causes of action of any kind or character, including the cost of defense thereof, resulting from the acts or omissions of its public officials, officers, agents, employees, and contractors relating to activities performed by the County under this Agreement.

The Municipality agrees to indemnify, defend, and hold the County harmless from all claims, demands, and causes of action of any kind or character, including the cost of defense thereof, resulting from the acts or omissions of its public officials, officers, agents, employees, and contractors relating to activities performed by the Municipality under this Agreement.

The provisions of this subdivision shall survive the termination or expiration of the term of this Agreement.

10. **GENERAL PROVISIONS.**
 - a. In performing the provisions of this Agreement, both parties agree to comply with all applicable federal, state, or local laws, ordinances, rules, regulations, or

standards established by any agency or special governmental unit which are now or hereafter promulgated insofar as they relate to performance of the provisions of this Agreement. In addition, the Municipality shall comply with all applicable requirements of the State of Minnesota for the use of SCORE funds provided to the Municipality by the County under this Agreement. The Municipality shall also comply with all relevant portions of the current Anoka County Solid Waste Management Master Plan and shall participate in the preparation of the successor Master Plans.

- b. If the Municipality utilizes the services of a subcontractor for purposes of meeting requirements herein, the Municipality shall be responsible for the performance of all such subcontracts and shall ensure that the subcontractors perform fully the terms of the subcontract. The agreement between the Municipality and a subcontractor shall obligate the subcontractor to comply fully with the terms of this Agreement.
- c. It is understood and agreed that the entire agreement is contained herein, and that this Agreement supersedes all oral and written agreements and negotiations between the parties relating to the subject matter hereof.
- d. Any amendments, alterations, variations, modifications, or waivers of this Agreement shall be valid only when they have been reduced to writing, duly signed by the parties.
- e. The provisions of this Agreement are severable. If any paragraph, section, subdivision, sentence, clause, or phrase of this Agreement is for any reason held to be contrary to law, such decision shall not affect the remaining portion of this Agreement.
- f. Nothing in this Agreement shall be construed as creating the relationship of co-partners, joint venturers, or an association between the County and the Municipality, nor shall the Municipality, its employees, agents, or representatives be considered employees, agents, or representatives of the County for any purpose.
- g. The Municipality shall maintain financial and other records and accounts in accordance with requirements of the County and the State of Minnesota. The Municipality shall maintain strict accountability of all funds and maintain records of all receipts and disbursements. Such records and accounts shall be maintained in a form which will permit the tracing of funds and program income to final expenditure. The Municipality shall maintain records sufficient to reflect that all funds received under this Agreement were expended in accordance with Minn. Stat. § 115A.557, Subd. 2, for residential solid waste recycling purposes. The Municipality shall also maintain records of the quantities of materials recycled. All records and accounts shall be retained as provided by law, but in no event for a period of less than five years from the last receipt of payment from the County pursuant to this Agreement.
- h. Pursuant to Minn. Stat. § 16C.05, the Municipality shall allow the County or other persons or agencies authorized by the County, and the State of Minnesota, including the Legislative Auditor or the State Auditor, access to the records of the

Municipality at reasonable hours, including all books, records, documents, and accounting procedures and practices of the Municipality relevant to the subject matter of the Agreement, for purposes of audit. In addition, the County shall have access to the project site(s), if any, at reasonable hours.

- i. The County reserves the right to withdraw reimbursement of approved expenses if the Municipality does not comply with state law or the County's Solid Waste Ordinance.
11. **TERMINATION.** This Agreement may be terminated by mutual written agreement of the parties or by either party, with or without cause, by giving not less than seven (7) days' written notice, delivered by mail or in person to the other party, specifying the date of termination. If this Agreement is terminated, assets acquired in whole or in part with funds provided under this Agreement shall be the property of the Municipality so long as said assets are used by the Municipality for the purpose of a landfill abatement program approved by the County.

(SIGNATURE PAGE TO FOLLOW)

IN WITNESS WHEREOF, the parties hereunto set their hands.

CITY OF HAM LAKE

COUNTY OF ANOKA

By: _____
Bryan Kirkham
Mayor

By: _____
Cindy Cesare, Chief Officer
Anoka County Human Services

Date: _____

Date: _____

By: _____
Denise Webster
City Administrator/Clerk

By: _____
Rhonda Sivarajah
County Administrator

Date: _____

Date: _____

Approved as to form and legality:

Approved as to form and legality:

By: _____
Scott Baumgartner
City Attorney

By: _____
Kurt Deile
Assistant County Attorney

Date: _____

Date: _____

Attachment A

Minnesota Statutes Referenced in Agreement for Residential Recycling Program

Chapter 115A WASTE MANAGEMENT

Minn. Stat. §115A.03 Definitions

Subdivision 1. Applicability.

For the purposes of this chapter, the terms defined in this section have the meanings given them, unless the context requires otherwise.

Subd. 2. Agency.

"Agency" means the Pollution Control Agency.

Subd. 3.

[Repealed, [1989 c 335 art 1 s 270](#)]

Subd. 3a. Arrange for management.

"Arrange for management" means an activity undertaken by a person that determines the ultimate disposition of solid waste that is under the control of the person, including delivery of the waste to a transfer station for transport to another solid waste management facility. Knowledge of the destination of waste by a generator is by itself insufficient for arranging for management unless the generator knows that the destination is an environmentally inferior facility as defined in this section, has the ability to redirect the waste to an environmentally superior facility and ensure its delivery to that facility, and chooses not to redirect the waste.

Subd. 4. Cities.

"Cities" means statutory and home rule charter cities and towns authorized to plan under sections [462.351](#) to [462.364](#).

Subd. 5. Collection.

"Collection" means the aggregation of waste from the place at which it is generated and includes all activities up to the time the waste is delivered to a waste facility.

Subd. 6. Commercial waste facility.

"Commercial waste facility" means a waste facility established and permitted to sell waste processing or disposal services to generators other than the owner and operator of the facility.

Subd. 6a. Commissioner.

"Commissioner" means the commissioner of the Pollution Control Agency.

Subd. 7. Construction debris.

"Construction debris" means waste building materials, packaging, and rubble resulting from construction, remodeling, repair, and demolition of buildings and roads.

Subd. 7a. Containment.

"Containment" means isolating, controlling, and monitoring waste in a waste facility in order to prevent a release of waste from the facility that would have an adverse impact upon human health and the environment.

Subd. 8. Development region.

"Development region" means a region designated pursuant to sections [462.381](#) to [462.397](#).

Subd. 8a.

[Repealed, [1Sp2005 c 1 art 2 s 162](#)]

Subd. 9. Disposal or dispose.

"Disposal" or "dispose" means the discharge, deposit, injection, dumping, spilling, leaking, or placing of any waste into or on any land or water so that the waste or any constituent thereof may enter the environment or be emitted into the air, or discharged into any waters, including groundwaters.

Subd. 10. Disposal facility.

"Disposal facility" means a waste facility permitted by the agency that is designed or operated for the purpose of disposing of waste on or in the land, together with any appurtenant facilities needed to process waste for disposal or transfer to another waste facility.

Subd. 10a. Environmentally inferior.

"Environmentally inferior" means a solid waste management method that is lower on the list of preferred waste management methods in section [115A.02](#) than a solid waste management method chosen by a county or, as applied to a facility, means a waste management facility that utilizes a waste management method that is lower on the list of preferred waste management methods than the waste management method chosen by a county. In addition, as applied to disposal facilities, a facility that does not meet the standards for new facilities in Code of Federal Regulations, title 40, chapters 257 and 258, is environmentally inferior to a facility that does meet these standards.

Subd. 11. Generation.

"Generation" means the act or process of producing waste.

Subd. 12. Generator.

"Generator" means any person who generates waste.

Subd. 13. Hazardous waste.

"Hazardous waste" has the meaning given it in section [116.06, subdivision 11](#).

Subd. 13a. Industrial waste.

"Industrial waste" means solid waste resulting from an industrial, manufacturing, service, or commercial activity that is managed as a separate waste stream.

Subd. 14. Intrinsic hazard.

"Intrinsic hazard" of a waste means the propensity of the waste to migrate in the environment, and thereby to become exposed to the public, and the significance of the harm or damage likely to result from exposure of natural resources or the public to the waste, as a result of such inherent or induced attributes of the waste as its chemical and physical stability, solubility, bioconcentratability, toxicity, flammability, and corrosivity.

Subd. 15. Intrinsic suitability.

(a) "Intrinsic suitability" of a land area or site means that, based on existing data on the inherent and natural attributes, physical features, and location of the land area or site, there is no known reason why the waste facility proposed to be located in the area or site cannot reasonably be expected to qualify for permits in accordance with agency rules. Agency certification of intrinsic suitability shall be based on data submitted to the agency by the proposing entity and data included by the administrative law judge in the record of any public hearing on recommended certification, and applied against criteria in agency rules and any additional criteria developed by the agency in effect at the time the proposing entity submits the site for certification.

(b) In the event that all candidate sites selected by the board before May 3, 1984, are eliminated from further consideration and a new search for candidate sites is commenced, "intrinsic suitability" of a land area or site shall mean that, because of the inherent and natural attributes, physical features, and location of the land area or site, the waste facility proposed to be located in the area or site would not be likely to result in material harm to the public health and safety and natural resources and that therefore the proposed facility can reasonably be expected to qualify for permits in accordance with agency rules.

Subd. 16.

[Repealed, [1997 c 7 art 1 s 26](#)]

Subd. 17. Local government unit.

"Local government unit" means cities, towns, and counties.

Subd. 17a. Major appliances.

"Major appliances" means clothes washers and dryers, dishwashers, hot water heaters, heat pumps, furnaces, garbage disposals, trash compactors, conventional and microwave ovens, ranges and stoves, air conditioners, dehumidifiers, refrigerators, and freezers.

Subd. 18. Metropolitan area.

"Metropolitan area" has the meaning given it in section [473.121](#).

Subd. 19. Metropolitan Council.

"Metropolitan Council" means the council established in chapter 473.

Subd. 20.

[Repealed, [1994 c 628 art 3 s 209](#)]

Subd. 21. **Mixed municipal solid waste.**

(a) "Mixed municipal solid waste" means garbage, refuse, and other solid waste from residential, commercial, industrial, and community activities that the generator of the waste aggregates for collection, except as provided in paragraph (b).

(b) Mixed municipal solid waste does not include auto hulks, street sweepings, ash, construction debris, mining waste, sludges, tree and agricultural wastes, tires, lead acid batteries, motor and vehicle fluids and filters, and other materials collected, processed, and disposed of as separate waste streams.

Subd. 22. **Natural resources.**

"Natural resources" has the meaning given it in chapter 116B.

Subd. 22a.

[Repealed, [1Sp2005 c 1 art 2 s 162](#)]

Subd. 22b. **Packaging.**

"Packaging" means a container and any appurtenant material that provide a means of transporting, marketing, protecting, or handling a product. "Packaging" includes pallets and packing such as blocking, bracing, cushioning, weatherproofing, strapping, coatings, closures, inks, dyes, pigments, and labels.

Subd. 23. **Person.**

"Person" has the meaning given it in section [116.06](#), but does not include the Pollution Control Agency.

Subd. 24. **Political subdivision.**

"Political subdivision" means any municipal corporation, governmental subdivision of the state, local government unit, special district, or local or regional board, commission, or authority authorized by law to plan or provide for waste management.

Subd. 24a. **Problem material.**

"Problem material" means a material that, when it is processed or disposed of with mixed municipal solid waste, contributes to one or more of the following results:

(1) the release of a hazardous substance, or pollutant or contaminant, as defined in section [115B.02, subdivisions 8, 13, and 15](#);

(2) pollution of water as defined in section [115.01, subdivision 13](#);

(3) air pollution as defined in section [116.06, subdivision 4](#); or

(4) a significant threat to the safe or efficient operation of a solid waste facility.

Subd. 24b. Postconsumer material.

"Postconsumer material" means a finished material that would normally be discarded as a solid waste having completed its life cycle as a consumer item.

Subd. 25. Processing.

"Processing" means the treatment of waste after collection and before disposal. Processing includes but is not limited to reduction, storage, separation, exchange, resource recovery, physical, chemical, or biological modification, and transfer from one waste facility to another.

Subd. 25a. Recyclable materials.

"Recyclable materials" means materials that are separated from mixed municipal solid waste for the purpose of recycling or composting, including paper, glass, plastics, metals, automobile oil, batteries, source-separated compostable materials, and sole source food waste streams that are managed through biodegradative processes. Refuse-derived fuel or other material that is destroyed by incineration is not a recyclable material.

Subd. 25b. Recycling.

"Recycling" means the process of collecting and preparing recyclable materials and reusing the materials in their original form or using them in manufacturing processes that do not cause the destruction of recyclable materials in a manner that precludes further use.

Subd. 25c. Recycling facility.

"Recycling facility" means a facility at which materials are prepared for reuse in their original form or for use in manufacturing processes that do not cause the destruction of the materials in a manner that precludes further use.

Subd. 25d. Refuse-derived fuel.

"Refuse-derived fuel" means a product resulting from the processing of mixed municipal solid waste in a manner that reduces the quantity of noncombustible material present in the waste, reduces the size of waste components through shredding or other mechanical means, and produces a fuel suitable for combustion in existing or new solid fuel-fired boilers.

Subd. 26. Regional development commission.

"Regional development commission" means a commission established pursuant to sections [462.381](#) to [462.397](#).

Subd. 26a. Resource conservation.

"Resource conservation" means the reduction in the use of water, energy, and raw materials.

Subd. 27. Resource recovery.

"Resource recovery" means the reclamation for sale, use, or reuse of materials, substances, energy, or other products contained within or derived from waste.

Subd. 28. Resource recovery facility.

"Resource recovery facility" means a waste facility established and used primarily for resource recovery, including related and appurtenant facilities such as transmission facilities and transfer stations primarily serving the resource recovery facility.

Subd. 28a. Retrievable storage.

"Retrievable storage" means a method of disposal whereby wastes are placed in a facility established pursuant to sections [115A.18](#) to [115A.30](#) for an indeterminate period in a manner designed to allow the removal of the waste at a later time.

Subd. 28b. Sanitary district.

"Sanitary district" means a sanitary district with the authority to regulate solid waste.

Subd. 29. Sewage sludge.

"Sewage sludge" means solid, semisolid, or liquid residue generated during the treatment of domestic sewage in a treatment works. It includes, but is not limited to, scum or solids removed in primary, secondary, or advanced wastewater treatment processes and a material derived from sewage sludge. Sewage sludge does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator or grit and screenings generated during preliminary treatment of domestic sewage in a treatment works. Sewage sludge that is acceptable and beneficial for recycling on land as a soil conditioner and nutrient source is also known as biosolids.

Subd. 30. Sewage sludge disposal facility.

"Sewage sludge disposal facility" means property owned or leased by a political subdivision and used for interim or final disposal or land spreading of sewage sludge.

Subd. 31. Solid waste.

"Solid waste" has the meaning given it in section [116.06, subdivision 22](#).

Subd. 32. Solid waste management district or waste district.

"Solid waste management district" or "waste district" means a geographic area extending into two or more counties in which the management of solid waste is vested in a special district established pursuant to sections [115A.62](#) to [115A.72](#).

Subd. 32a.

MS 1994 [Renumbered subd 32c]

Subd. 32a. Source-separated compostable materials.

"Source-separated compostable materials" means materials that:

- (1) are separated at the source by waste generators for the purpose of preparing them for use as compost;
- (2) are collected separately from mixed municipal solid waste, and are governed by the licensing provisions of section [115A.93](#);

(3) are comprised of food wastes, fish and animal waste, plant materials, diapers, sanitary products, and paper that is not recyclable because the commissioner has determined that no other person is willing to accept the paper for recycling;

(4) are delivered to a facility to undergo controlled microbial degradation to yield a humus-like product meeting the agency's class I or class II, or equivalent, compost standards and where process rejects do not exceed 15 percent by weight of the total material delivered to the facility; and

(5) may be delivered to a transfer station, mixed municipal solid waste processing facility, or recycling facility only for the purposes of composting or transfer to a composting facility, unless the commissioner determines that no other person is willing to accept the materials.

Subd. 32b.

MS 1994 [Renumbered subd 32d]

Subd. 32b. Source-separated recyclable materials.

"Source-separated recyclable materials" means recyclable materials, including commingled recyclable materials, that are separated by the generator.

Subd. 32c. Stabilization.

"Stabilization" means a chemical or thermal process in which materials or energy are added to waste in order to reduce the possibility of migration of any hazardous constituents of the resulting stabilized waste in preparation for placement of the waste in a stabilization and containment facility.

Subd. 32d. Stabilization and containment facility.

"Stabilization and containment facility" means a waste facility that is designed for stabilization and containment of waste, together with other appurtenant facilities needed to process waste for stabilization, containment, or transfer to another facility.

Subd. 33. Transfer station.

"Transfer station" means an intermediate waste facility in which waste collected from any source is temporarily deposited to await transportation to another waste facility.

Subd. 34. Waste.

"Waste" means solid waste, sewage sludge, and hazardous waste.

Subd. 35. Waste facility.

"Waste facility" means all property, real or personal, including negative and positive easements and water and air rights, which is or may be needed or useful for the processing or disposal of waste, except property for the collection of the waste and property used primarily for the manufacture of scrap metal or paper. Waste facility includes but is not limited to transfer stations, processing facilities, and disposal sites and facilities.

Subd. 36. Waste management.

"Waste management" means activities which are intended to affect or control the generation of waste and activities which provide for or control the collection, processing and disposal of waste.

Subd. 36a. Waste management method chosen by a county.

"Waste management method chosen by a county" means:

(1) a waste management method that is mandated for waste generated in the county by section [115A.415](#), [473.848](#), [473.849](#), or other state law, or by county ordinance based on the county solid waste management plan developed, adopted, and approved under section [115A.46](#) or [458D.05](#) or the county solid waste management master plan developed, adopted, and approved under section [473.803](#); or

(2) a waste management facility or facilities, developed under the county solid waste management plan or master plan, to which solid waste generated in a county is directed by an ordinance developed, adopted, and approved under sections [115A.80](#) to [115A.893](#).

Subd. 36b. Waste reduction or source reduction.

"Waste reduction" or "source reduction" means an activity that prevents generation of waste or the inclusion of toxic materials in waste, including:

(1) reusing a product in its original form;

(2) increasing the life span of a product;

(3) reducing material or the toxicity of material used in production or packaging; or

(4) changing procurement, consumption, or waste generation habits to result in smaller quantities or lower toxicity of waste generated.

Subd. 37. Waste rendered nonhazardous.

"Waste rendered nonhazardous" means (1) waste excluded from regulation as a hazardous waste under the delisting requirements of United States Code, title 42, section 6921 and any federal and state delisting rules, and (2) other nonhazardous residual waste from the processing of hazardous waste.

Subd. 38. Yard waste.

"Yard waste" means garden wastes, leaves, lawn cuttings, weeds, shrub and tree waste, and prunings.

History:

[1980 c 564 art 1 s 3](#); [1981 c 352 s 1,2](#); [1983 c 373 s 5,6](#); [1984 c 640 s 32](#); [1984 c 644 s 1,2](#); [1985 c 274 s 1-3](#); [1986 c 425 s 12-17](#); [1987 c 348 s 1,2](#); [1988 c 524 s 1](#); [1988 c 685 s 3,4,21](#); [1989 c 325 s 3](#); [1989 c 335 art 1 s 128,129,269](#); [1Sp1989 c 1 art 18 s 3](#); [art 20 s 1,2](#); [1991 c 303 s 1](#); [1991 c 337 s 6,7,44](#); [1992 c 593 art 1 s 5-7,28](#); [1993 c 249 s 7,8,61](#); [1994 c 548 s 1](#); [1994 c 585 s 3](#); [1994 c 639 art 5 s 3](#); [1995 c 220 s 96](#); [1995 c 247 art 1 s 66](#); [1996 c 470 s 2-5](#); [1Sp2005 c 1 art 2 s 161](#); [2008 c 357 s 32,33](#); [2011 c 107 s 81](#); [2014 c 248 s 14](#); [1Sp2015 c 4 art 4 s 104,105](#)

Minn. Stat. § 115A.151 RECYCLING REQUIREMENTS; PUBLIC ENTITIES; COMMERCIAL BUILDINGS; SPORTS FACILITIES.

(a) A public entity, the owner of a sports facility, and an owner of a commercial building shall:

(1) ensure that facilities under its control, from which mixed municipal solid waste is collected, also collect at least three recyclable materials, such as, but not limited to, paper, glass, plastic, and metal; and

(2) transfer all recyclable materials collected to a recycler.

(b) For the purposes of this section:

(1) "public entity" means the state, an office, agency, or institution of the state, the Metropolitan Council, a metropolitan agency, the Metropolitan Mosquito Control Commission, the legislature, the courts, a county, a statutory or home rule charter city, a town, a school district, a special taxing district, or any entity that receives an appropriation from the state for a capital improvement project after August 1, 2002;

(2) "metropolitan agency" and "Metropolitan Council" have the meanings given them in section [473.121](#);

(3) "Metropolitan Mosquito Control Commission" means the commission created in section [473.702](#);

(4) "commercial building" means a building that:

(i) is located in a metropolitan county, as defined in section [473.121](#);

(ii) contains a business classified in sectors 42 to 81 under the North American Industrial Classification System; and

(iii) contracts for four cubic yards or more per week of solid waste collection; and

(5) "sports facility" means a professional or collegiate sports facility at which competitions take place before a public audience.

History: [1Sp1989 c 1 art 18 s 9](#); [1991 c 337 s 12](#); [1996 c 457 s 10](#); [2002 c 312 s 2](#); [2014 c 225 s 4](#); [2014 c 312 art 13 s 24](#)

Minn. Stat. §115A.46 REGIONAL AND LOCAL SOLID WASTE MANAGEMENT PLAN; REQUIREMENTS.

Subdivision 1. **General.**

(a) Plans shall address the state policies and purposes expressed in section [115A.02](#) and may not be inconsistent with state law.

(b) Plans for the location, establishment, operation, maintenance, and postclosure use of facilities and facility sites, for ordinances, and for licensing, permit, and enforcement activities shall be consistent with the rules adopted by the agency pursuant to chapter 116.

(c) Plans shall address:

(1) the resolution of conflicting, duplicative, or overlapping local management efforts;

(2) the establishment of joint powers management programs or waste management districts where appropriate; and

(3) other matters as the rules of the agency may require consistent with the purposes of sections [115A.42](#) to [115A.46](#).

(d) Political subdivisions preparing plans under sections [115A.42](#) to [115A.46](#) shall consult with persons presently providing solid waste collection, processing, and disposal services.

(e) Plans must be submitted to the commissioner for approval. When a county board is ready to have a final plan approved, the county board shall submit a resolution requesting review and approval by the commissioner. After receiving the resolution, the commissioner shall notify the county within 45 days whether the plan as submitted is complete and, if not complete, the specific items that need to be submitted to make the plan complete. Within 90 days after a complete plan has been submitted, the commissioner shall approve or disapprove the plan. If the plan is disapproved, reasons for the disapproval must be provided.

(f) After initial approval, each plan must be updated and submitted for approval at least every ten years. The plan must be revised as necessary so that it is not inconsistent with state law.

(g) Rules that regulate plan content under subdivision 2 must reflect demographic, geographic, regional, and solid waste system differences that exist among the counties.

Subd. 2. Contents.

(a) The plans shall describe existing collection, processing, and disposal systems, including schedules of rates and charges, financing methods, environmental acceptability, and opportunities for improvements in the systems.

(b) The plans shall include an estimate of the land disposal capacity in acre-feet which will be needed through the year 2000, on the basis of current and projected waste generation practices. In assessing the need for additional capacity for resource recovery or land disposal, the plans shall take into account the characteristics of waste stream components and shall give priority to waste reduction, separation, and recycling.

(c) The plans shall require the most feasible and prudent reduction of the need for and practice of land disposal of mixed municipal solid waste.

(d) The plans shall address at least waste reduction, separation, recycling, and other resource recovery options, and shall include specific and quantifiable objectives, immediately and over specified time periods, for reducing the land disposal of mixed municipal solid waste and for the implementation of feasible and prudent reduction, separation, recycling, and other resource recovery options. These objectives shall be consistent with statewide objectives as identified in statute. The plans shall describe methods for identifying the portions of the waste stream such as leaves, grass, clippings, tree and plant residue, and paper for application and mixing into the soil and use in agricultural practices. The plans shall describe specific functions to be performed and activities to be undertaken to achieve the abatement, reduction, separation, recycling, and other resource recovery objectives and shall describe the estimated cost, proposed manner of financing, and timing of the functions and activities. The plans shall describe proposed mechanisms for complying with the recycling requirements of section [115A.551](#), and the household hazardous waste management requirements of section [115A.96, subdivision 6](#).

(e) The plans shall include a comparison of the costs of the activities to be undertaken, including capital and operating costs, and the effects of the activities on the cost to generators and on persons currently providing solid waste collection, processing, and disposal services. The plans shall include alternatives which could be used to achieve the abatement objectives if the proposed functions and activities are not established.

(f) The plans shall designate how public education shall be accomplished. The plans shall, to the extent practicable and consistent with the achievement of other public policies and purposes, encourage ownership and operation of solid waste facilities by private industry. For solid waste facilities owned or operated by public agencies or supported primarily by public funds or obligations issued by a public

agency, the plans shall include criteria and standards to protect comparable private and public facilities already existing in the area from displacement unless the displacement is required in order to achieve the waste management objectives identified in the plan.

(g) The plans shall establish a siting procedure and development program to assure the orderly location, development, and financing of new or expanded solid waste facilities and services sufficient for a prospective ten-year period, including estimated costs and implementation schedules, proposed procedures for operation and maintenance, estimated annual costs and gross revenues, and proposals for the use of facilities after they are no longer needed or usable.

(h) The plans shall describe existing and proposed county and municipal ordinances and license and permit requirements relating to solid waste management and shall describe existing and proposed regulation and enforcement procedures.

Subd. 3.

[Repealed, [1984 c 644 s 82](#)]

Subd. 4. **Delegating solid waste responsibilities.**

A county or a solid waste management district established under sections [115A.62](#) to [115A.72](#) may not delegate to another governmental unit or other person any portion of its responsibility for solid waste management unless it establishes a funding mechanism to assure the ability of the entity to which it delegates responsibility to adequately carry out the responsibility delegated.

Subd. 5. **Jurisdiction of plan.**

(a) After a county plan has been submitted for approval under subdivision 1, a public entity, as defined in section [16C.073, subdivision 1](#), within the county may not enter into a binding agreement governing a solid waste management activity that is inconsistent with the county plan without the consent of the county.

(b) After a county plan has been approved under subdivision 1, the plan governs all solid waste management in the county and a public entity, as defined in section [16C.073, subdivision 1](#), within the county may not develop or implement a solid waste management activity, other than an activity to reduce waste generation or reuse waste materials, that is inconsistent with the county plan that the county is actively implementing without the consent of the county.

History:

[1980 c 564 art 5 s 5](#); [1982 c 569 s 13](#); [1984 c 644 s 32,33](#); [1987 c 404 s 140](#); [1989 c 131 s 3](#); [1989 c 325 s 6](#); [1989 c 335 art 1 s 269](#); [1Sp1989 c 1 art 20 s 3,4](#); [1991 c 337 s 15,16](#); [1995 c 247 art 1 s 8](#); [art 2 s 12](#); [2003 c 13 s 1](#); [1Sp2005 c 1 art 2 s 161](#); [2014 c 196 art 1 s 5](#)

Minn. Stat. §115A.471 PUBLIC ENTITIES; MANAGING SOLID WASTE.

Subdivision 1. **Definitions.**

(a) Prior to entering into or approving a contract for the management of mixed municipal solid waste which would manage the waste using a waste management practice that is ranked lower on the list of preferred waste management practices in section [115A.02, paragraph \(b\)](#), than the waste management practice selected for such waste in the county plan for the county in which the waste was generated, a public entity must:

(1) determine the potential liability to the public entity and its taxpayers for managing the waste in this manner;

(2) develop and implement a plan for managing the potential liability; and

(3) submit the information from clauses (1) and (2) to the agency.

(b) For the purpose of this subdivision, "public entity" means the state; an office, agency, or institution of the state; the Metropolitan Council; a metropolitan agency; the Metropolitan Mosquito Control District; the legislature; the courts; a county; a statutory or home rule charter city; a town; a school district; another special taxing district; or any other general or special purpose unit of government in the state.

History: [1995 c 247 art 1 s 9](#)

Minn Stat. §115A.551 RECYCLING.

Subdivision 1. Definitions.

(a) For the purposes of this section, "recycling" means, in addition to the meaning given in section [115A.03, subdivision 25b](#), yard waste and source-separated compostable materials composting and recycling that occurs through mechanical or hand separation of materials that are then delivered for use in manufacturing processes that do not cause the destruction of recyclable materials in a manner that precludes further use.

(b) For the purposes of this section, "total solid waste generation" means the total by weight of:

(1) materials separated for recycling;

(2) materials separated for yard waste and source-separated compostable materials composting;

(3) mixed municipal solid waste plus motor and vehicle fluids and filters, tires, lead acid batteries, and major appliances; and

(4) residential waste materials that would be mixed municipal solid waste but for the fact that they are not collected as such.

Subd. 2

[Repealed, [2014 c 312 art 13 s 48](#)]

Subd. 2a. County recycling goals.

(a) By December 31, 2030, each county will have as a goal to recycle the following amounts:

(1) for a county outside of the metropolitan area, 35 percent by weight of total solid waste generation; and

(2) for a metropolitan county, 75 percent by weight of total solid waste generation.

(b) Each county will develop and implement or require political subdivisions within the county to develop and implement programs, practices, or methods designed to meet its recycling goal. Nothing in this section or in any other law may be construed to prohibit a county from establishing a higher recycling goal.

(c) Any quantified recyclable materials that meet the definition in subdivision 1, paragraph (a), or section [115A.03, subdivision 25a](#), are eligible to be counted toward a county's recycling goal under this subdivision.

Subd. 3. Interim goals; nonmetropolitan counties.

The commissioner shall establish interim recycling goals for the nonmetropolitan counties to assist them in meeting the goals established in subdivision 2a.

Subd. 4. Interim monitoring.

The commissioner shall monitor the progress of each county toward meeting the recycling goals in subdivision 2a. The commissioner shall report to the senate and house of representatives committees having jurisdiction over environment and natural resources as part of the report required under section [115A.411](#). If the commissioner finds that a county is not progressing toward the goals in subdivision 2a, the commissioner shall negotiate with the county to develop and implement solid waste management techniques designed to assist the county in meeting the goals, such as organized collection, curbside collection of source-separated materials, and volume-based pricing.

Subd. 5. Failure to meet goal.

(a) A county failing to meet the interim goals in subdivision 3 shall, as a minimum:

- (1) notify county residents of the failure to achieve the goal and why the goal was not achieved; and
- (2) provide county residents with information on recycling programs offered by the county.

(b) If, based on the recycling monitoring described in subdivision 4, the commissioner finds that a county will be unable to meet the recycling goals established in subdivision 2a, the commissioner shall, after consideration of the reasons for the county's inability to meet the goals, recommend legislation for consideration by the senate and house of representatives committees having jurisdiction over environment and natural resources and environment and natural resources finance to establish mandatory recycling standards and to authorize the commissioner to mandate appropriate solid waste management techniques designed to meet the standards in those counties that are unable to meet the goals.

Subd. 6. County solid waste plans.

Each county shall include in its solid waste management plan described in section [115A.46](#), or its solid waste master plan described in section [473.803](#), a recycling implementation strategy for meeting the recycling goal established in subdivision 2a along with mechanisms for providing financial incentives to solid waste generators to reduce the amount of waste generated and to separate recyclable materials from the waste stream.

Subd. 7. Recycling implementation strategy.

Each county shall submit to the commissioner for approval the recycling implementation strategy required in subdivision 6. The recycling implementation strategy must be submitted by October 31, 1995, and must:

- (1) be consistent with the approved county solid waste management plan;
- (2) identify the materials that are being and will be recycled in the county to meet the goals under this section and the parties responsible and methods for recycling the material;
- (3) provide a budget to ensure adequate funding for needed county and local programs and demonstrate an ongoing commitment to spending the money on recycling programs; and
- (4) include a schedule for implementing recycling activities needed to meet the goals in subdivision 2a.

History:

1Sp1989 c 1 art 18 s 12; 1991 c 337 s 19-21; 1992 c 593 art 1 s 14-16,54; 1993 c 249 s 13,14,61; 1994 c 639 art 5 s 3; 1995 c 247 art 1 s 14-17; art 2 s 15; 1996 c 470 s 27; 1999 c 73 s 4; 1Sp2005 c 1 art 2 s 161; 2012 c 272 s 67,68; 2014 c 312 art 13 s 26,27; 1Sp2015 c 4 art 4 s 108; 2016 c 158 art 1 s 26-28

Minn. Stat. §115A.552 OPPORTUNITY TO RECYCLE.

Subdivision 1. County requirement.

Counties shall ensure that residents, including residents of single and multifamily dwellings, have an opportunity to recycle. At least one recycling center shall be available in each county. Opportunity to recycle means availability of recycling and curbside pickup or collection centers for recyclable materials at sites that are convenient for persons to use. Counties shall also provide for the recycling of problem materials and major appliances. Counties shall assess the operation of existing and proposed recycling centers and shall give due consideration to those centers in ensuring the opportunity to recycle. To the extent practicable, the costs incurred by a county for collection, storage, transportation, and recycling of major appliances must be collected from persons who discard the major appliances.

Subd. 2. Recycling opportunities.

An opportunity to recycle must include:

- (1) a local recycling center in the county and sites for collecting recyclable materials that are located in areas convenient for persons to use them;
- (2) curbside pickup, centralized drop-off, or a local recycling center for at least four broad types of recyclable materials in cities with a population of 5,000 or more persons; and
- (3) monthly pickup of at least four broad types of recyclable materials in cities of the first and second class and cities with 5,000 or more population in the metropolitan area.

Subd. 3. Recycling information, education, and promotion.

(a) Each county shall provide information on how, when, and where materials may be recycled, including a promotional program that publishes notices at least once every three months and encourages source separation of residential, commercial, industrial, and institutional materials.

(b) The commissioner shall develop materials for counties to use in providing information on and promotion of recycling.

(c) The commissioner shall provide technical assistance to counties to help counties implement recycling programs.

Subd. 4. Nonresidential recycling.

Each county shall encourage building owners and managers, business owners and managers, and collectors of commercial mixed municipal solid waste to provide appropriate recycling services and opportunities to generators of commercial, industrial, and institutional solid waste in the county.

History: 1Sp1989 c 1 art 18 s 13; 1991 c 337 s 22-24; 1994 c 639 art 5 s 3; 1Sp2005 c 1 art 2 s 161

Minn. Stat. §115A.557 COUNTY WASTE REDUCTION AND RECYCLING FUNDING.

Subdivision 1. Distribution; formula.

Any funds appropriated to the commissioner for the purpose of distribution to counties under this section must be distributed each fiscal year by the commissioner based on population, except a county may not receive less than \$55,000 in a fiscal year. If the amount available for distribution under this section is less or more than the amount available in fiscal year 2001, the minimum county payment under this section is reduced or increased proportionately. For purposes of this subdivision, "population" has the definition given in section [477A.011, subdivision 3](#). A county that participates in a multicounty district that manages solid waste and that has responsibility for recycling programs as authorized in section [115A.552](#), must pass through to the districts funds received by the county in excess of the minimum county payment under this section in proportion to the population of the county served by that district.

Subd. 2. Permissible expenditures.

(a) A county receiving money distributed by the commissioner under this section may use the money only for the development and implementation of programs to:

- (1) reduce the amount of solid waste generated;
- (2) recycle the maximum amount of solid waste technically feasible;
- (3) create and support markets for recycled products;
- (4) remove problem materials from the solid waste stream and develop proper disposal options for them;
- (5) inform and educate all sectors of the public about proper solid waste management procedures;
- (6) provide technical assistance to public and private entities to ensure proper solid waste management;
- (7) provide educational, technical, and financial assistance for litter prevention;
- (8) process mixed municipal solid waste generated in the county at a resource recovery facility located in Minnesota;
- (9) compost source-separated compostable materials, including the provision of receptacles for residential composting;
- (10) prevent food waste or collect and transport food donated to humans or to be fed to animals; and
- (11) process source-separated compostable materials that are to be used to produce class I or class II compost, as defined in Minnesota Rules, part [7035.2836](#), after being processed in an anaerobic digester, but not to construct buildings or acquire equipment.

(b) Beginning in fiscal year 2015 and continuing thereafter, of any money distributed by the commissioner under this section to a metropolitan county, as defined in section [473.121, subdivision 4](#), that exceeds the amount the county was eligible to receive under this section in fiscal year 2014: (1) at least 50 percent must be expended on activities in paragraph (a), clauses (9) to (11); and (2) the remainder must be expended on activities in paragraph (a), clauses (1) to (7) and (9) to (11), that advance the county toward achieving its recycling goal under section [115A.551](#).

Subd. 3. Eligibility.

(a) To be eligible to receive money distributed by the commissioner under this section, a county shall within one year of October 4, 1989:

- (1) create a separate account in its general fund to credit the money; and
- (2) set up accounting procedures to ensure that money in the separate account is spent only for the purposes in subdivision 2.

(b) In each following year, each county shall also:

(1) have in place an approved solid waste management plan or master plan including a recycling implementation strategy under section [115A.551, subdivision 7](#), and a household hazardous waste management plan under section [115A.96, subdivision 6](#), by the dates specified in those provisions;

(2) submit a report by April 1 of each year to the commissioner, which may be submitted electronically and must be posted on the agency's website, detailing for the previous calendar year:

(i) how the money was spent including, but not limited to, specific recycling and composting activities undertaken to increase the county's proportion of solid waste recycled in order to achieve its recycling goal established in section [115A.551](#); specific information on the number of employees performing SCORE planning, oversight, and administration; the percentage of those employees' total work time allocated to SCORE planning, oversight, and administration; the specific duties and responsibilities of those employees; and the amount of staff salary for these SCORE duties and responsibilities of the employees; and

(ii) the resulting gains achieved in solid waste management practices; and

(3) provide evidence to the commissioner that local revenue equal to 25 percent of the money sought for distribution under this section will be spent for the purposes in subdivision 2.

(c) The commissioner shall withhold all or part of the funds to be distributed to a county under this section if the county fails to comply with this subdivision and subdivision 2.

Subd. 4. Report.

The commissioner shall report on how the money was spent and the resulting statewide improvements in solid waste management to the senate and house of representatives committees having jurisdiction over ways and means, finance, environment and natural resources, and environment and natural resources finance. The report shall be included in the report required under section [115A.411](#).

History:

[1Sp1989 c 1 art 19 s 1](#); [1991 c 337 s 26](#); [1992 c 593 art 1 s 17,54](#); [1994 c 585 s 13](#); [1994 c 639 art 5 s 3](#); [1995 c 247 art 1 s 19,20](#); [1996 c 470 s 27](#); [2000 c 490 art 10 s 1](#); [1Sp2001 c 2 s 125](#); [2002 c 374 art 6 s 2](#); [2004 c 284 art 2 s 11](#); [1Sp2005 c 1 art 2 s 161](#); [2009 c 37 art 1 s 42](#); [2012 c 272 s 69](#); [2014 c 312 art 13 s 28,29](#); [1Sp2015 c 4 art 4 s 109](#)

Chapter 473 METROPOLITAN GOVERNMENT

Minn. Stat. §473.8441 LOCAL RECYCLING DEVELOPMENT PROGRAM.

Subdivision 1. Definitions.

"Number of households" has the meaning given in Minnesota Statutes 1992, section [477A.011, subdivision 3a](#).

Subd. 2. Program.

The commissioner shall encourage the development of permanent local recycling programs throughout the metropolitan area. The commissioner shall make grants to qualifying metropolitan counties as provided in this section.

Subd. 3. Grants; eligible costs.

Grants may be used to pay for planning, developing, and operating yard waste composting and recycling programs.

Subd. 4. Grant conditions.

The commissioner shall administer grants so that the following conditions are met:

(a) A county must apply for a grant in the manner determined by the commissioner. The application must describe the activities for which the grant will be used.

(b) The activities funded must be consistent with the metropolitan policy plan and the county master plan.

(c) A grant must be matched by equal local expenditures for the activities for which the grant is made. A local expenditure may include, but is not limited to, an expenditure by a local unit of government, tribal government, or private sector or nonprofit organization.

(d) All grant funds must be used for new activities or to enhance or increase the effectiveness of existing activities in the county. Grant funds shall not be used for research or development of a product that would be patented, copyrighted, or a subject of trade secrets.

(e) Counties shall provide support to maintain effective municipal recycling where it is already established.

Subd. 5. Grant allocation procedure.

(a) The commissioner shall distribute the funds annually so that each qualifying county receives an equal share of 50 percent of the allocation to the program described in this section, plus a proportionate share of the remaining funds available for the program. A county's proportionate share is an amount that has the same proportion to the total remaining funds as the number of households in the county has to the total number of households in all metropolitan counties.

(b) To qualify for distribution of funds, a county, by April 1 of each year, must submit to the commissioner for approval a report on expenditures and activities under the program during the preceding fiscal year and any proposed changes in its recycling implementation strategy or performance funding system. The report shall be included in the county report required by section [473.803, subdivision 3](#).

History: [1987 c 348 s 46](#); [1989 c 325 s 63](#); [1993 c 249 s 41](#); [1995 c 247 art 2 s 47-49](#); [1Sp2005 c 1 art 2 s 161](#); [2016 c 158 art 1 s 194](#); [2018 c 134 s 1](#)

Minn. Stat. § 473.848 RESTRICTION ON DISPOSAL.

Subdivision 1. Restriction.

(a) For the purposes of implementing the waste management policies in section [115A.02](#) and metropolitan area goals related to landfill abatement established under this chapter, a person may not dispose of unprocessed mixed municipal solid waste generated in the metropolitan area at a waste disposal facility unless the waste disposal facility meets the standards in section [473.849](#) and:

- (1) the waste has been certified as unprocessable by a county under subdivision 2; or
- (2)(i) the waste has been transferred to the disposal facility from a resource recovery facility;
- (ii) no other resource recovery facility serving the metropolitan area is capable of processing the waste; and
- (iii) the waste has been certified as unprocessable by the operator of the resource recovery facility under subdivision 3.

(b) For purposes of this section, mixed municipal solid waste does not include street sweepings, construction debris, mining waste, foundry sand, and other materials, if they are not capable of being processed by resource recovery as determined by the council.

Subd. 2. County certification; office approval.

(a) By April 1 of each year, each county shall submit an annual certification report to the office detailing:

- (1) the quantity of waste generated in the county that was not processed prior to transfer to a disposal facility during the year preceding the report;
- (2) the reasons the waste was not processed;
- (3) a strategy for development of techniques to ensure processing of waste including a specific timeline for implementation of those techniques; and
- (4) any progress made by the county in reducing the amount of unprocessed waste.

The report shall be included in the county report required by section [473.803, subdivision 3](#).

(b) The Pollution Control Agency shall approve a county's certification report if it determines that the county is reducing and will continue to reduce the amount of unprocessed waste, based on the report and the county's progress in development and implementation of techniques to reduce the amount of unprocessed waste transferred to disposal facilities. If the Pollution Control Agency does not approve a county's report, it shall negotiate with the county to develop and implement specific techniques to reduce unprocessed waste. If the Pollution Control Agency does not approve two or more consecutive reports from any one county, the Pollution Control Agency shall develop specific reduction techniques that are designed for the particular needs of the county. The county shall implement those techniques by specific dates to be determined by the Pollution Control Agency.

Subd. 3. Facility certification.

The operator of each resource recovery facility that receives waste from counties in the metropolitan area shall certify as unprocessable each load of mixed municipal solid waste it does not process. Certification must be made to each county that sends its waste to the facility at intervals specified by the county. Certification must include at least the number and size of loads certified as unprocessable and the reasons the waste is unprocessable. Loads certified as unprocessable must include the loads that would otherwise have been processed but were not processed because the facility was not in operation,

but nothing in this section relieves the operator of its contractual obligations to process mixed municipal solid waste.

Subd. 4. Pollution Control Agency report.

The Pollution Control Agency shall include, as part of its report to the Environment and Natural Resources Committees of the senate and house of representatives, the Finance Division of the senate Committee on Environment and Natural Resources, and the house of representatives Committee on Environment and Natural Resources Finance required under section 473.149, an accounting of the quantity of unprocessed waste transferred to disposal facilities, the reasons the waste was not processed, a strategy for reducing the amount of unprocessed waste, and progress made by counties to reduce the amount of unprocessed waste. The Pollution Control Agency may adopt standards for determining when waste is unprocessable and procedures for expediting certification and reporting of unprocessed waste.

Subd. 5. Definition.

For the purpose of this section, waste is "unprocessed" if it has not, after collection and before disposal, undergone separation of materials for resource recovery through recycling, incineration for energy production, production and use of refuse-derived fuel, composting, or any combination of these processes so that the weight of the waste remaining that must be disposed of in a mixed municipal solid waste disposal facility is not more than 35 percent of the weight before processing, on an annual average.

History:

1985 c 274 s 33; 1989 c 325 s 66; 1991 c 337 s 81,82; 1993 c 249 s 43,44; 1994 c 585 s 49,50; 1995 c 247 art 2 s 51,52; 1996 c 470 s 27; 1Sp2005 c 1 art 2 s 161

CHAPTER 16C. STATE PROCUREMENT

Minn. Stat. § 16C.05 CONTRACT MANAGEMENT; VALIDITY AND REVIEW.

Subdivision 1. Agency cooperation and delegation.

Agencies shall fully cooperate with the commissioner in the creation, management, and oversight of state contracts. Authority delegated to agencies shall be exercised in the name of the commissioner and under the commissioner's direct supervision and control. A delegation of duties may include, but is not limited to, allowing individuals within agencies to acquire goods, services, construction, and utilities within dollar limitations and for designated types of acquisitions. Delegation of contract management and review functions must be filed with the secretary of state. The commissioner may withdraw any delegation at the commissioner's sole discretion. The commissioner may require an agency head or subordinate to accept delegated responsibility to procure goods, services, or construction intended for the exclusive use of the agency receiving the delegation.

Subd. 2. Creation and validity of contracts.

(a) A contract and amendments are not valid and the state is not bound by them and no agency, without the prior written approval of the commissioner granted pursuant to subdivision 2a, may authorize work to begin on them unless:

(1) they have first been executed by the head of the agency or a delegate who is a party to the contract;

(2) they have been approved by the commissioner; and

(3) the accounting system shows an encumbrance for the amount of the contract liability, except as allowed by policy approved by the commissioner and commissioner of management and budget for routine, low-dollar procurements and section 16B.98, subdivision 11.

(b) Grants, interagency agreements, purchase orders, work orders, and annual plans need not, in the discretion of the commissioner and attorney general, require the signature of the commissioner and/or the attorney general. A signature is not required for work orders and amendments to work orders related to Department of Transportation contracts. Bond purchase agreements by the Minnesota Public Facilities Authority do not require the approval of the commissioner.

(c) Amendments to contracts must entail tasks that are substantially similar to those in the original contract or involve tasks that are so closely related to the original contract that it would be impracticable for a different contractor to perform the work. The commissioner or an agency official to whom the commissioner has delegated contracting authority under section [16C.03, subdivision 16](#), must determine that an amendment would serve the interest of the state better than a new contract and would cost no more.

(d) A record must be kept of all responses to solicitations, including names of bidders and amounts of bids or proposals. A fully executed copy of every contract, amendments to the contract, and performance evaluations relating to the contract must be kept on file at the contracting agency for a time equal to that specified for contract vendors and other parties in subdivision 5. These records are open to public inspection, subject to section [13.591](#) and other applicable law.

(e) The attorney general must periodically review and evaluate a sample of state agency contracts to ensure compliance with laws.

(f) Before executing a contract or license agreement involving intellectual property developed or acquired by the state, a state agency shall seek review and comment from the attorney general on the terms and conditions of the contract or agreement.

Subd. 2a. Emergency authorization.

The commissioner may grant an agency approval to authorize work to begin on a contract prior to the full execution of the contract in the event of an emergency as defined in section [16C.10, subdivision 2](#).

Subd. 3.

[Repealed by amendment, [2014 c 196 art 2 s 4](#)]

Subd. 4. Contract administration.

A contracting agency shall diligently administer and monitor any contract it has entered into. The commissioner may require an agency to report to the commissioner at any time on the status of any contracts to which the agency is a party.

Subd. 5. Subject to audit.

A contract or any pass-through disbursement of public funds to a vendor of goods or services or a grantee made by or under the supervision of the commissioner or any county or unit of local government must include, expressed or implied, an audit clause that provides that the books, records, documents, and accounting procedures and practices of the vendor or other party, that are relevant to the contract or transaction, are subject to examination by the contracting agency and either the legislative auditor or the state auditor, as appropriate, for a minimum of six years. If the contracting agency is a local unit of government, and the governing body of the local unit of government requests that the state auditor examine the books, records, documents, and accounting procedures and practices of the vendor or other party pursuant to this subdivision, the contracting agency shall be liable for the cost of the examination. If the contracting agency is a local unit of government, and the grantee, vendor, or other party requests that the state auditor examine all books, records, documents, and accounting procedures and practices related to the contract, the grantee, vendor, or other party that requested the examination shall be liable for the cost of the examination. An agency contract made for purchase, lease, or license of software and data from the state is not required to contain this audit clause.

Subd. 6. Authority of attorney general.

The attorney general may pursue remedies available by law to avoid the obligation of an agency to pay under a contract or to recover payments made if services performed or goods received under the contract are so unsatisfactory, incomplete, or inconsistent that payment would involve unjust enrichment. The contrary opinion of the contracting agency does not affect the power of the attorney general under this subdivision.

Subd. 7. Contracts with Indian tribes and bands.

Notwithstanding any other law, an agency may not require an Indian tribe or band to deny its sovereignty as a requirement or condition of a contract with an agency.

History:

[1994 c 632 art 3 s 33](#); [1998 c 386 art 1 s 6](#); [1999 c 86 art 1 s 11](#); [1999 c 230 s 1](#); [2000 c 488 art 2 s 1](#); [1Sp2001 c 8 art 2 s 10](#); [1Sp2001 c 10 art 2 s 37](#); [2003 c 130 s 12](#); [1Sp2003 c 1 art 2 s 48,49](#); [2004 c 206 s 7](#); [2007 c 148 art 2 s 35,36](#); [2009 c 101 art 2 s 109](#); [2014 c 187 s 3](#); [2014 c 196 art 1 s 5](#); [art 2 s 4](#)

2024 Anoka County Municipal Waste Abatement Grant Funding Award Letter

Contract number: C0010113

The Municipality of Ham Lake is eligible for a total of \$65,236.00 for their Municipal program abatement efforts in 2024, plus if awarded upon request up to an additional \$20,000.00.

The total funding for the 2024 Residential Recycling Program is based on the budgeted amounts stated in the Municipal Waste Abatement Grant Funding Application.

The Grant Funding Award for Ham Lake is as follows:

	Amount Eligible	Amount Requested	Amount Awarded
Base Funding Allocation	\$ 38,740.00	\$ 38,740.00	\$ 38,740.00

	Amount Eligible	Amount Requested	Amount Awarded
Drop-off Grant	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
General Enhancement Grant	\$ 5,748.00	\$ 5,748.00	\$ 5,748.00
Organics Grant	\$ 5,748.00	\$ 5,748.00	\$ 5,748.00
Labor & Staffing	\$ -	\$ -	\$ -

Total (Base + Enhancement Funding + Labor & Staffing)	\$ 65,236.00	\$ 65,236.00	\$ 65,236.00
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Supplemental Funding	\$ -	\$ 20,000.00	\$ 20,000.00
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Total Funding Award (Base + Enhancement + Labor & Staffing and Supplemental)			\$ 85,236.00
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To the extent that the Municipality requested funds in excess of the total eligible amount, the excess amount in any category is denied.

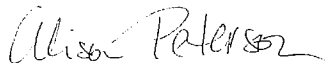
The annual tonnage goal for Ham Lake is: 1,816 tons

Reviewed by: Jill Curran

Dated: 09/08/23

Approved by: Alison Peterson

Dated: 09/08/2023



Anoka County Municipal Waste Abatement Grant Funding Application

Cycle: *Annual* | Year: *2023* | Status: *Verified*

Member Name: *City of Ham Lake*

2024 Applications are due June 2, 2023.

City of Ham Lake is requesting the following funding for their 2024 Anoka County municipal waste abatement program efforts.

General Instructions

This application is provided to each municipality in Anoka County for funds to support and increase recycling activities and programs within the municipality.

The funds allocated in this application are based on the number of households in the municipality. The number of households is determined using the most current Met Council household data available. For calendar year 2024, 2021 Met Council data has been used to determine the number of households for this application.

There are three sections in this funding application:

- Base Funding
- Enhancement Funding
- Supplemental Funding

The Enhancement Funding section of the application also has three parts:

- Drop-off
- General Enhancement
- Organics Program Funding

Please complete each section of the grant application. A number value must be entered in each field before submitting the application. If no funds are being requested for any given field, enter a zero. **If a completed funding application isn't submitted by June 2, 2023, the municipality will not be eligible for funding.**

In a separate Re-TRAC form, reimbursement requests will be submitted twice a year.

USER TIPS

To contact support from within this form: Click "Support" at the top of the screen or "Program Support Request" in the green bar at the top of the form.

To print this form: Click the "Export" button found on upper top right corner of the form. You must save the form before you can export it.

To see eligible expenses within each section: Click "view eligible expense" in each section.

Click [here](#) to download the full Eligible Expenses document.

To save this form while working on it: Click "Save" at the bottom of the form and select "Save as Draft".

To submit this form: Click "Save" at the bottom of the form and if there are no errors, click the "Mark as Complete" option. Note that once you mark the form as complete, you cannot make changes to it.

Eligible Expenses

The following items are examples of eligible expenses allowed for reimbursement.

Collection Expenses: If residents are charged recycling fees for curbside or recycling events, waste abatement funds will reimburse the difference between the fees collected and the cost of recycling or composting the materials.

Equipment: The cost to purchase, maintain and repair equipment that is used exclusively to operate the recycling or composting program.

Containers: The cost for recycling or organics containers.

Promotion: The entire cost of a publication if totally dedicated to waste reduction, recycling or composting information or a percentage of the cost for the portion of a municipal publication dedicated to waste management information.

Staffing: Labor and staffing directly related to recycling program administration and implementation may be funded up to 75% of total funding allocation. See Labor & Staffing section below for more information.

Ineligible Expenses

The following general operating expenses should NOT be submitted for reimbursement.

Standard Operational Expenses/Building Overhead: Since most of the municipal recycling coordinators are part-time positions and staff serve multiple roles at the municipality, standard operating expenses including office space rental, leasing office equipment and general office supplies, are not eligible for reimbursement.

Project Expenses: Specific to transportation, energy or ground water protection.

Collection Costs: The costs for general waste and recycling collection at municipal buildings, trash costs when advertised as being accepted at a recycling/cleanup day, and costs associated with road side cleanup of illegally dumped materials should not be included in this application.

General Municipal Staff: Staff time related to standard municipal operations (city administrator, office administration, facilities management, finance and legal staff) are not eligible for reimbursement. If municipal staff do not assist the recycling coordinator directly on activities to help the municipality achieve its recycling goal, e.g. communications and collecting, processing or marketing recyclable materials and organics, their time will not be reimbursed.

Click [here](#) to view previous years application:

Click [here](#) to download the full Eligible Expenses document.

2024 Total Funding Allocation



Your Community has access to the following funds for 2024: \$ 65,236.00

(An additional \$20,000 in discretionary funds may be available through the Supplemental Funding section.)

2024 BASE Funding Allocation

All municipalities are eligible for base waste abatement grant funding. When completing this application, base funding requests should fall under one of the following categories:

- regular curbside collection,
- general operations of a drop-off center,
- costs for spring and fall recycling days,
- basic promotion,
- yard waste collection and
- percentage of time the recycling coordinator spends on waste abatement activities.

Base Funding is \$10,000.00 base, plus \$5.00/household (household counts are based on 2021 Met Council estimates)

Municipality Name:

City of Ham Lake

MANAGE ONLINE

# of households	5,748
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Base Funding	\$ 10,000.00
Base Funding Additional (based on \$5/household)	\$ 28,740.00
Total Base Funding Allocation	\$ 38,740.00

Curbside Collection

Complete ALL required fields below, if value is zero, enter "0.00".

Click [here](#) to download the Curbside Collection Eligible Expenses document.

Collection Service Provider Expenses *	\$ 32,510.00
Contamination Fees *	\$ 0.00
Additional Expenses *	\$ 0.00
Curbside Collection Expense Subtotal	\$ 32,510.00
Estimated Revenue *	\$ 0.00

Curbside Collection Expenses	\$
32,510.00	<i>Negative values here will not carry forward to other sections.</i>

General Operations of a Drop-Off Center/Spring or Fall Recycling Day(s)

Click [here](#) to download the General Operations of a Drop-off Center/Spring or Fall Recycling Days Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

DO NOT include any expenses for tires, oil, antifreeze & oil filters. These expenses should be listed in the Problem Materials section.

Collection Service Provider Expenses *	\$ 4,000.00
Equipment *	\$ 400.00
Facility Expenses *	\$ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

General Operations of a Drop-off Expense Subtotal	\$
4,400.00	

Estimated Revenue *	\$ 2,300.00
---------------------	-------------

General Operations of a Drop-off Expenses	\$
2,100.00	<i>Negative values here will not carry forward to other sections.</i>

Promotion – Base Funding

Click [here](#) to download the Promotion Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

Printing *	\$ 0.00
Postage *	\$ 0.00
Advertising *	\$ 0.00
Volunteer Incentives *	\$ 0.00
Educational Entertainment *	\$ 0.00

Promotion -- Base Funding Expenses \$
0.00

Yard Waste/Tree Waste

Click [here](#) to download the Yard/Tree Waste Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * \$ 4,000.00

Equipment * \$ 0.00

Yard Waste/Tree Waste Expenses Subtotal \$
4,000.00

Estimated Revenue * \$ 0.00

Yard Waste/Tree Waste Expenses \$
4,000.00 *Negative values here will not carry forward to other sections.*

Problem Materials (Tires, Oil, Antifreeze, and Oil Filters)

Click [here](#) to download the Problem Materials Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

Service Provider Expenses * \$ 130.00

Estimated Revenue * \$ 0.00

Problem Material Expenses \$
130.00 *Negative values here will not carry forward to other sections.*

Program Administration -- Base Funding

Click [here](#) to download the Program Administration Eligible Expenses document.

Complete ALL required fields below, if value is zero, enter "0.00".

Office supplies * \$ 0.00

Training * \$ 0.00

Mileage * \$ 0.00

Membership Dues, Periodicals * \$ 0.00

Professional Services * \$ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Program Administration- Base Funding Expenses \$
0.00

Total BASE Funding Requested \$ 38,740.00

Funding Remaining \$ 26,496.00

2024 ENHANCEMENT Funding Allocation

The purpose of the Anoka County Municipal Waste Abatement grant funding program is to increase recycling and organics diversion and help the County achieve the State mandated goal of 75% recycling/composting by 2030. The County recognizes that this funding is needed to support established infrastructure costs that exceed the Base and each communities funding. To be eligible for grant funds, municipalities must apply for these funds. Applicants must itemize expenditures within each of the three grant sections, Drop-off, General Enhancement and Organics Program, below and calculate the total grant request for each category.

Drop-off Grant

This grant is allocated to cover additional drop-off center costs or events beyond the regularly scheduled spring and fall recycling days.

The grant for this section is \$10,000.00 for municipalities with up to 4,999 households and \$15,000.00 for municipalities with household counts 5,000 and over.

Below are examples of materials that can be collected for reuse or recycling. Only list organics expenses in the organics section.

Additional Reusable or Recyclable Materials Collected at Permanent Drop-off Centers or Special Events:


Appliances, Electronics, Mattresses*, Confidential Document Destruction, Fluorescent Bulbs, Household Batteries, Fire Extinguishers, Propane Tanks, Bicycles**, and Clothing**.

Additional Items:

Block and Shape Polystyrene, Cell Phones, Film Plastic/Bags, Furniture***, Household Goods**, String Lights/Extension Cords, Printer Cartridges

* None of these materials should be advertised as being collected on a Recycling Day and then disposed of as trash

** Items that should be evaluated for reuse prior to recycling

 MATERIAL ITEM	
Drop-off Grant Amount Available	\$
15,000.00	

Click [here](#) to download the Drop-off Eligible Expenses document.

Permanent Drop-off Center Enhancements

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * \$ 1,800.00

New Equipment & Supplies * \$ 0.00

New Construction * \$ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Permanent Drop-off Center Enhancement Expenses Subtotal \$
1,800.00

Estimated Revenue * \$ 0.00

Permanent Drop-off Center Enhancement Expenses \$
1,800.00 *Negative values here will not carry forward to other sections.*

Monthly or Quarterly Drop-off Events

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * \$ 13,200.00

New Equipment & Supplies * \$ 0.00

User Coupon Incentives * \$ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Monthly or Quarterly Drop-off Events Expense Subtotal \$
13,200.00

Estimated Revenue * \$ 0.00

Monthly or Quarterly Drop-off Event Expenses \$
13,200.00 *Negative values here will not carry forward to other sections.*

Total Drop-off Grant Requested \$
15,000.00

General Enhancement Grant

The grant amount available for this section is calculated using \$1.00/household.

General Enhancement Grant Amount Available \$
5,748.00

Click [here](#) to download the General Enhancement Eligible Expenses document.

Park Recycling

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * \$ 0.00

Recycling Containers * \$ 0.00

Recycling Bags * \$ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Park Recycling Expenses \$
0.00

Special Municipal Programs or Events - Please list any organics expenses in the organics section.

Complete ALL required fields below, if value is zero, enter "0.00".

Service Provider Expenses * \$ 5,748.00

Supplies & Containers * \$ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Special Municipal Program or Event Expenses Subtotal \$
5,748.00

Estimated Revenue * \$ 0.00

Special Municipal Program or Event Expenses \$
5,748.00 *Negative values here will not carry forward to other sections.*

Special Curbside Recycling Collection

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * \$ 0.00

Subsidy to Resident * \$ 0.00

Special Curbside Recycling Collection Expenses Subtotal \$
0.00

Estimated Revenue * \$ 0.00

Special Curbside Recycling Collection Expenses \$
0.00 *Negative values here will not carry forward to other sections.*

Multi-Family Recycling Outreach

Complete ALL required fields below, if value is zero, enter "0.00".

Supplies & Containers * \$ 0.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Multi-Family Recycling Outreach Expenses \$
0.00

Promotion -- Enhancement Funding

Complete ALL required fields below, if value is zero, enter "0.00".

Printing * \$ 0.00

Postage * \$ 0.00

Advertising * \$ 0.00

Volunteer Incentives * \$ 0.00

Educational Entertainment * \$ 0.00

Promotion -- Enhancement Funding Expenses \$
0.00

Total General Enhancement Grant Requested \$
5,748.00

Organics Program Grant

The grant amount for this section is \$0.50/household if additional curbside or drop-off grant programs are not offered to residents or \$1.00/household if curbside or drop-off organics programs are offered to residents.

Does your municipality offer curbside or drop-off organics programs to your residents? *

Yes

No

Amount Available \$ 5,748.00

Click [here](#) to download the Organics Eligible Expenses document.

Organics Program Expenses

Complete ALL required fields below, if value is zero, enter "0.00".

Collection Service Provider Expenses * \$ 5,248.00

Organics Equipment * \$ 0.00

Organics Only - Promotion * \$ 500.00

Please enter Labor & Staffing expenses in Labor & Staffing section below.

Organics Program Expenses Subtotal \$
5,748.00

Estimated Revenue * 0.00

Organics Program Expenses \$
5,748.00 *Negative values here will not carry forward to other sections.*

Total ENHANCEMENT Funding Requested \$ 26,496.00

Labor & Staffing (All Programs)

Salary and labor expenses must be directly related to recycling program operations and administration. These expenses may be funded up to 75% of funding allocation (not including supplemental funding). The final % and expense amount for salary and labor will be determined after Anoka County approves the submitted staffing and labor metric.

Upload 2024 Staffing Metric and Drop-off Calculator *
Ham Lake 2024 Staffing Metric and Drop-off Calculator.xlsx

Upload a scanned pdf of recent promotion for your current curbside or drop-off opportunities. It can be from a brochure, newsletter or from your website, for how your special curbside collection program works, and/or what is accepted at your city or town offices (during business hours), spring recycling event, permanent drop-off centers or other drop-off events. *
4 - hlapril2023.pdf

Click [here](#) to download the Curbside Collection Eligible Expenses document.



Admin only: The approved Labor and Staffing % from your 2023 Staffing Metric has been inserted to provide an estimate of typical Labor and Staffing costs for your community. In general, this percentage has not changed much over the last two years. If your 2024 Staffing Metric % increases due to program changes, this will be taken into consideration to raise the %.

47 %

MANAGE ONLY

Labor & Staffing Maximum Funds Available \$
30,660.920

General Program Administration *	\$ 0.00
Program Implementation *	\$ 0.00
Total Labor & Staffing Expenses Requested:	\$ 0.00

Supplemental Funding Request

Supplemental grant funding is currently available to help support municipal waste abatement programs and/or new program development. Supplemental funding, however, should not be depended on for long-term program sustainability. Before requesting supplemental additional grant program dollars, it is critical that your municipality is willing to support and sustain the services before implementation.

Please be aware that there is a limited amount of supplemental funding available for this section. If the County receives more funding requests than funds, the funds may be reduced or denied for a municipalities supplemental funding request. Grants will be evaluated based on which projects best help the County meet the State mandated goal of 75% by 2030.

The maximum supplemental grant available may be up to \$20,000.00 per municipality.

Supplemental Funding – may include:

- Collection service provider expenses for additional materials
- Additional expenses from construction and paving projects
- Large equipment purchases
- New program expenses

Do you need additional funds to grow existing waste abatement programs? *

Yes No

In the box below, please include the following information:

- Identify need for supplemental funding;
- Describe project scope and design;
- Describe how the project may benefit multiple municipalities or the County as a whole;
- Note key stakeholders participating in project activities, including project collaborators;
- Quantify and list expected outcomes, such as, new materials to be collected, projected amount to be collected, percentage increase of currently collected materials if supplemental grant funding is approved. *

Additional funds are being requested to continue programs in place that residents appreciate and rely on; costs for those programs cannot be covered by base funding as 40%+ of those funds are used to pay a contractual amount to the haulers for curbside pickup of recyclables. Costs for yard waste drop off, on a seasonal basis, are significant and continue to rise.

Coupon events at Recycle Technologies generate variable expenses from one event to the next. Enhancement funding requested would cover a portion of the expenses incurred for events held at Recycle Technologies. We will continue to look for new, no or low-cost recycling opportunities that can be implemented for our residents.

Project Budget

List all project elements that require funding. Use the ADD button to add elements to the chart.

PROJECT ELEMENT *	EXPENSE *
Items listed above and in Base, Drop-off, Enhancement and Organics Sections	20,000.00
Total Supplemental Funding Requested	\$ 20,000.00

Summary of Funding Requested

Base Funding Requested \$ 38,740.00

Enhancement Funding Requested

Drop-off Grant Requested \$ 15,000.00

General Enhancement Grant Requested \$ 5,748.00

Organics Program Grant Requested \$ 5,748.00

Total Enhancement Funding Requested \$

26,496.00

Labor & Staffing Funding Requested \$ 0.00

Supplemental Funding Requested \$ 20,000.00

Total Funding Requested \$

85,236.00

Date: * 05/24/2023

Name: * Jennifer Bohr

Title: *

City of Ham Lake Recycling Coordinator

Total Funding Granted

MANAGE ONLY	
Base Funding Granted	38,740.00
MANAGE ONLY	
Drop-off Funding Granted	15,000.00
MANAGE ONLY	
General Enhancement Funding Granted	5,748.00
MANAGE ONLY	
Organics Program Funding Granted	5,748.00
MANAGE ONLY	
Labor & Staffing Funding Granted	0.00
MANAGE ONLY	
Supplemental Funding Granted	20,000.00
Total Funding Granted	\$ 85,236.00

MANAGE ONLY

***** Office Use Only *****

Received By: Sue Doll

Date: 05/24/2023

Manager Notes for Reporters:

No Labor & Staffing listed since Base + Enhancement + Labor & Staffing could not exceed \$65,236.00.

Created: Apr 28, 2023 at 03:42 PM CDT

Robin WodziakRobin.Wodziak@co.anoka.mn.us

Last Updated: Jun 29, 2023 at 06:05 PM CDT

Sue DollSue.Doll@co.anoka.mn.us

**ANOKA COUNTY HUMAN SERVICES
CONTRACTOR INFORMATION SHEET**

Please review the following information for accuracy and completeness, indicate any changes, sign and return to:

Angie Rodine
Anoka County Human Services
2100 3rd Ave, Suite 500
Anoka, MN 55303

LEGAL NAME FOR CONTRACTOR: Ham Lake, City of
(Legal name and name on Certificate of Insurance must be exactly the same in order for County Signatures to be obtained on the Contract.)

Doing Business As: Ham Lake, City of

Business/Corporate Address: 15544 Central Ave NE
Ham Lake, MN 55304

National Provider Identification (NPI) #: _____

Federal Tax Identification #: 41-0973981

NOTICE: Federal Business Tax ID/Social Security Number is needed for tax purposes as mandated by Section 1211 of the Tax Reform Act of 1976 and Minn. Stat 270.66. This information will be shared with the Minnesota Department of Revenue, the Minnesota Department of Human Services, the Internal Revenue Service, and the U.S. Department of Health, Education and Welfare for the purposes of administering the income tax, child support obligation and social security tax programs.

Individual who Contractor is designating to receive notice under the contract and to act as the responsible authority for data requests under the Minnesota government data practices act (Minn. Stat. Chap. 13):

Name:	Phone:	Fax:	Email:
<u>Jennifer Bohr</u>	<u>763-434-9555</u>	<u>763-434-9599</u>	<u>jbohr@ci.ham-lake.mn.us</u>

Signature (Required): _____ **Date:** _____

Insurance Agency: _____ **Name of Agent:** _____

Telephone Number of Insurance Agent: _____

Person Completing this Form:

Name: _____ Title: _____

Phone: _____ Fax: _____ Email: _____

Certificate Of Completion

Envelope Id: 960656E70D0F41419554822BB3E2B439
Subject: City of Ham Lake SCORE Contract# C0010113
Source Envelope:
Document Pages: 48
Certificate Pages: 5
AutoNav: Enabled
Envelopeld Stamping: Enabled
Time Zone: (UTC-06:00) Central Time (US & Canada)

Status: Sent

Envelope Originator:
Angie Rodine
Anoka County Government Center
2100 3rd Avenue
Anoka, MN 55303
angela.rodine@co.anoka.mn.us
IP Address: 156.98.106.233

Record Tracking

Status: Original
9/15/2023 8:31:59 AM
Security Appliance Status: Connected
Storage Appliance Status: Connected

Holder: Angie Rodine
angela.rodine@co.anoka.mn.us
Pool: StateLocal
Pool: HS-Public Health & Environmental Services

Location: DocuSign
Location: DocuSign

Signer Events

Nicole Wheeler
nwheeler@ci.ham-lake.mn.us
Security Level: Email, Account Authentication
(None)

Electronic Record and Signature Disclosure:
Accepted: 9/15/2023 8:45:22 AM
ID: 98ee1841-6a86-41a5-8596-2d927805fb4f
Company Name: Anoka County

Brian Kirkham
bkirkham@ci.ham-lake.mn.us
Security Level: Email, Account Authentication
(None)

Electronic Record and Signature Disclosure:
Accepted: 10/4/2022 1:28:26 PM
ID: cacf51ed-990b-4a31-bad4-4872775d2f6f
Company Name: Anoka County

Denise Webster
dwebster@ci.ham-lake.mn.us
Security Level: Email, Account Authentication
(None)

Electronic Record and Signature Disclosure:
Accepted: 10/4/2022 1:32:13 PM
ID: cf60c21c-5f2f-41c8-a84e-49a704cfa18d
Company Name: Anoka County

Scott Baumgartner
s.baumgartner@bbkglaw.com
Security Level: Email, Account Authentication
(None)

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Cindy Cesare
Cindy.Cesare@anokacountymn.gov
Security Level: Email, Account Authentication
(None)

Electronic Record and Signature Disclosure:
Not Offered via DocuSign

Signature

Timestamp

Sent: 9/15/2023 8:40:16 AM
Viewed: 9/15/2023 8:45:22 AM

Signer Events

Rhonda Sivarajah

Rhonda.Sivarajah@anokacountymn.gov

Security Level: Email, Account Authentication
(None)**Electronic Record and Signature Disclosure:**

Accepted: 9/14/2023 11:45:10 AM

ID: ecfc6f5-8a4e-4927-bc73-87f2fa5cb9d6

Company Name: Anoka County

Kurt Deile

Kurt.Deile@anokacountymn.gov

Security Level: Email, Account Authentication
(None)**Electronic Record and Signature Disclosure:**

Accepted: 9/14/2023 11:51:35 AM

ID: c719c943-11b9-49f1-a098-d0901f240fca

Company Name: Anoka County

Signature**Timestamp****In Person Signer Events****Signature****Timestamp****Editor Delivery Events****Status****Timestamp**

Angie Rodine

Angela.Rodine@co.anoka.mn.us

Security Level: Email, Account Authentication
(None)**Electronic Record and Signature Disclosure:**

Accepted: 1/8/2021 1:44:58 PM

ID: 6e2d50ad-740c-4672-beb3-aa4bab51e013

Company Name: Anoka County

Agent Delivery Events**Status****Timestamp****Intermediary Delivery Events****Status****Timestamp****Certified Delivery Events****Status****Timestamp****Carbon Copy Events****Status****Timestamp**

Jennifer Bohr

jbohr@ci.ham-lake.mn.us

Security Level: Email, Account Authentication
(None)**Electronic Record and Signature Disclosure:**

Accepted: 9/21/2022 1:46:17 PM

ID: 2fd7e9d1-053d-4f65-8260-8da5f9df9a34

Company Name: Anoka County

Jill Rykhus

Jill.Rykhus@anokacountymn.gov

Security Level: Email, Account Authentication
(None)**Electronic Record and Signature Disclosure:**

Not Offered via DocuSign

Jill Rykhus

Jill.Rykhus@anokacountymn.gov

Security Level: Email, Account Authentication
(None)**Electronic Record and Signature Disclosure:**

Not Offered via DocuSign

Carbon Copy Events**Status****Timestamp**

Emily Peterson

Emily.Peterson@anokcountymn.gov

Security Level: Email, Account Authentication
(None)

Electronic Record and Signature Disclosure:

Not Offered via DocuSign

Robin Wodziak

Robin.Wodziak@anokcountymn.gov

Security Level: Email, Account Authentication
(None)

Electronic Record and Signature Disclosure:

Not Offered via DocuSign

Witness Events**Signature****Timestamp****Notary Events****Signature****Timestamp****Envelope Summary Events****Status****Timestamps**

Envelope Sent

Hashed/Encrypted

9/15/2023 8:40:16 AM

Payment Events**Status****Timestamps****Electronic Record and Signature Disclosure**

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If you decide to receive notices, disclosures and documents from us electronically, you may change your mind and tell us that going forward you want to receive documents only in paper format. Please note, processing time will be slowed down dramatically as we will be required to print and send the document through the mail and await your return of the documents. The process to change the method of receipt is described below.

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Upon your acceptance to receive electronic notifications, all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you will be provided electronically through the DocuSign system. All of the required documents will be provided to you at the address that you have given us.

How to contact Anoka County:

You may change your preferred method of contact whether electronically, or paper copies, or change your email address. You may also request paper copies of certain information from us, or withdraw your prior consent to receive documents. Please use the contact information below for your request and in the body of your correspondence, identify your desired action. If you are

changing an email address, please include your prior email address as well as your new address. If you no longer wish to receive future documents in electronic format, please include that request in the body of your email.

Email: helpdesk@co.anoka.mn.us
Phone: (763) 324-4110
Address: Anoka County Government Center
Attn: Information Technology, #300
2100 3rd Avenue
Anoka, MN 55303

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: <https://support.docusign.com/guides/signer-guide-signing-system-requirements>.

ACKNOWLEDGEMENT

To confirm your access to the electronic notices and disclosures, which will be similar to other electronic notices and disclosures that we may provide to you, please acknowledge that you have read this ERSD by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

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- You can access and read this Electronic Record and Signature Disclosure; and
- You can print this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Anoka County as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Anoka County during the course of your relationship with Anoka County.

ORDINANCE NO. 23-XX

AN ORDINANCE AMENDING A PORTION OF CHAPTER 9 OF THE CITY OF HAM LAKE, COUNTY OF ANOKA, STATE OF MINNESOTA.

The City Council of the City of Ham Lake does hereby ordain as follows, pursuant to Article 9 of the Ham Lake City Code.

That the zoning classification for the following described property situated in the City of Ham Lake, Anoka County, Minnesota is hereby designated R-1 (Single Family Residential) (Hidden Forest East Fourth Addition).

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.

Presented to the Ham Lake City Council on July 5, 2023 and adopted by a unanimous vote this 2nd day of October, 2023.

Brian Kirkham, Mayor

Dawnette Shimek, Deputy City Clerk

ORDINANCE NO. 23-XX

AN ORDINANCE AMENDING A PORTION OF CHAPTER 9 OF THE CITY OF HAM LAKE, COUNTY OF ANOKA, STATE OF MINNESOTA.

The City Council of the City of Ham Lake does hereby ordain as follows, pursuant to Article 9 of the Ham Lake City Code.

That the zoning classification for the following described property situated in the City of Ham Lake, Anoka County, Minnesota is hereby designated in Entsminger Farms development from R-A (Rural Single Family Residential) to CD-2 (Commercial Development II) and a portion of land of the Coon Creek Commercial Park from CD-2 (Commercial Development II) to R-A (Rural Single Family Residential) in Section 29.

PARCEL A:

That part of Lot 1, Block 1, ENTSMINGER FARMS, Anoka County, Minnesota, lying westerly of the following described line:

Commencing at the southeast corner of Lot 2, Block 1, said ENTSMINGER FARMS; thence North 00 degrees 09 minutes 36 seconds West, on an assumed bearing along the east line of said Lot 2, Block 1, a distance of 583.80 feet; thence North 65 degrees 34 minutes 21 seconds West, a distance of 228.78 feet; thence northwesterly a distance of 353.86 feet along a tangential curve concave to the northeast, said curve having a radius of 312.00 feet and a central angle of 64 degrees 59 minutes 00 seconds; thence North 00 degrees 35 minutes 21 seconds West, tangent to the last described curve, a distance of 460.05 feet to the South line of said Lot 1 and the point of beginning of the line to be described; thence continuing North 00 degrees 35 minutes 21 seconds West, a distance of 136.84 feet; thence northwesterly a distance of 149.20 feet along a tangential curve concave to the southwest, said curve having a radius of 312.00 feet and a central angle of 27 degrees 23 minutes 55 seconds; thence North 27 degrees 59 minutes 16 seconds West, tangent to the last described curve, a distance of 113.42 feet; thence northerly a distance of 527.99 feet along a tangential curve concave to the east, said curve having a radius of 636.09 feet and a central angle of 47 degrees 33 minutes 31 seconds; thence North 19 degrees 34 minutes 15 seconds East, a distance of 277.44 feet to the North line of said Lot 1 and said line there terminating.

PARCEL B:

That part of Lot 1, Block 1, ENTSMINGER FARMS, Anoka County, Minnesota, lying easterly of the following described line and its southerly extension:

Commencing at the southeast corner of Lot 2, Block 1, said ENTSMINGER FARMS; thence North 00 degrees 09 minutes 36 seconds West, on an assumed bearing along the east line of said Lot 2, Block 1, a distance of 583.80 feet; thence North 65 degrees 34 minutes 21 seconds West, a distance of 228.78 feet; thence northwesterly a distance of 353.86 feet along a tangential curve concave to the

northeast, said curve having a radius of 312.00 feet and a central angle of 64 degrees 59 minutes 00 seconds; thence North 00 degrees 35 minutes 21 seconds West, tangent to the last described curve, a distance of 460.05 feet to the South line of said Lot 1 and the point of beginning of the line to be described; thence continuing North 00 degrees 35 minutes 21 seconds West, a distance of 136.84 feet; thence northwesterly a distance of 149.20 feet along a tangential curve concave to the southwest, said curve having a radius of 312.00 feet and a central angle of 27 degrees 23 minutes 55 seconds; thence North 27 degrees 59 minutes 16 seconds West, tangent to the last described curve, a distance of 113.42 feet; thence northerly a distance of 527.99 feet along a tangential curve concave to the east, said curve having a radius of 636.09 feet and a central angle of 47 degrees 33 minutes 31 seconds; thence North 19 degrees 34 minutes 15 seconds East, a distance of 277.44 feet to the North line of said Lot 1 and said line there terminating.

PARCEL C:

That part of Lot 4, Block 1, COON CREEK COMMERCIAL PARK, Anoka County, Minnesota, lying southerly of the following described line:

Commencing at the southwest corner of said Lot 4, Block 1; thence on an assumed bearing of North 00 degrees 11 minutes 55 seconds West along the West line of said Lot 4, Block 1, a distance of 105.33 to the point of beginning of the line to be described; thence North 79 degrees 55 minutes 14 seconds East, a distance of 167.48 feet to a point on the East line of said Lot 4, Block 1, and said line there terminating.

Presented to the Ham Lake City Council on September 18, 2023 and adopted by a unanimous vote this 2nd day of October, 2023.


Brian Kirkham, Mayor

Dawnette Shimek, Deputy City Clerk

Memorandum

Date: September 28, 2023

To: Mayor and Councilmembers

From: David A. Krugler, City Engineer 

Subject: 152nd Avenue cross-culvert in Brook View Meadows

Introduction:

The twin 72-inch corrugated metal pipes (CMPs) installed in 1994 with the Brook View Meadows subdivision have been separating and need to be replaced.

Discussion:

The Road Committee meeting was informed at the July 26th meeting of the failure of the culverts on 152nd Avenue at the County Ditch #58 crossing. Survey of the replacement area was ordered prior to the meeting and discussion of the road status. The Road Committee declared this to be an emergency repair and to complete as soon as possible. There is no traffic that must traverse this location as all residents have an alternate method of travel via Jackson Street and McKay Drive.

The Coon Creek Watershed District performed an analysis of the culverts to ensure the replacement culvert causes no upstream flooding. The replacement size was determined to be either similar twin 72-inch culverts or one 14-foot-wide by 7-foot-tall concrete box culvert. The Public Works Superintendent has requested replacements of the twin culverts with a single structure. This is due to the nature of maintenance for two culverts versus a single box culvert.

Plans and cost estimates have been prepared between reinstalling the failing pipes with twin 72-inch reinforced concrete pipes (RCPs) or installing a single 14-foot by 7-foot box culvert. The current configuration meets the definition of a bridge by MnDOT and will continue regardless of whether twin culvert or a single box culvert is installed.

The bid form will include both alternatives. The base bid will provide all the work inherent to replacing the culverts and roadway that will be removed during the replacement of the culverts. The bid designated Alternate A will replace the existing 72-inch CMPs with similar 72-inch RCPs. The Alternate B bid will replace the existing 72-inch CMPs with a 14-foot by 7-foot box culvert. The Council can make a decision upon receiving the bids on which alternative to choose.

State Transportation funds are available for costs associated with replacement, rehabilitation, or removal of a bridge structure. These costs are typically at up to 100 percent for projects on municipal streets. Other project related costs such as the engineering, roadway approach work, bridge removal (when part of a replacement project), erosion control, and right of way acquisition generally are not eligible. State bridge funds have traditionally been appropriated by

the legislature and can be general obligation bonds, general funds, or both. State bridge funds are also provided through Statute 297A.815 Subd. 3.

Recommendation:

Approve the Plans and authorize the advertisement for bids for the replacement of the twin culverts at the crossing of 152nd Avenue at County Ditch #58.

CONSTRUCTION COST ESTIMATE
152nd AVENUE-DITCH #58 CROSSING
9/28/2023

ITEM NUMBER	ITEM DESCRIPTION	UNIT	EST QTY	UNIT PRICE	TOTAL
2021.501	MOBILIZATION	LUMP SUM	1	\$50,000.00	\$50,000.00
2101.505	CLEARING	ACRE	0.1	\$8,703.90	\$870.39
2101.505	GRUBBING	ACRE	0.1	\$4,201.90	\$420.19
2104.503	REMOVE PIPE CULVERTS	LIN FT	173	\$29.00	\$5,017.00
2104.505	REMOVE BITUMINOUS PAVEMENT	SQ YD	175	\$2.50	\$437.50
2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	57	\$5.55	\$316.35
2105.607	TOPSOIL PLACEMENT (CV)	CU YD	766	\$9.00	\$7,277.00
2105.607	SELECT GRANULAR BORROW (CV)	CU YD	110	\$30.00	\$3,300.00
2106.507	GRANULAR EMBANKMENT (CV)	CU YD	430	\$15.00	\$6,450.00
2211.501	AGGREGATE BASE CLASS 5	TON	40	\$14.50	\$580.00
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2:C)	TON	11	\$95.00	\$1,045.00
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (2:C)	TON	21	\$82.00	\$1,722.00
2511.501	RANDOM RIPRAP CLASS III	CU YD	30.0	\$90.00	\$2,700.00
2535.503	BITUMINOUS CURB	LIN FT	110	\$4.00	\$440.00
2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$9,770.20	\$9,770.20
2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1	\$4,403.60	\$4,403.60
2573.501	CULVERT END CONTROLS	EACH	1	\$300.00	\$300.00
2573.502	SILT FENCE, TYPE HEAVY DUTY	LIN FT	140	\$2.20	\$308.00
2573.502	STORM DRAIN INLET PROTECTION	EACH	2	\$180.00	\$360.00
2573.503	FLOTATION SILT CURTAIN TYPE MOVING WATER	LIN FT	50	\$25.00	\$1,250.00
2573.602	EROSION CONTROL	LUMP SUM	1	\$10,000.00	\$10,000.00
2575.504	ROLLED EROSION PREVENTION CATEGORY 20	SQ YD	591	\$5.00	\$2,955.00
2575.605	TURF ESTABLISHMENT	ACRE	0.2	\$6,938.50	\$1,387.70
BID ALTERNATE A					
2501.502	72" RC PIPE APRON	EACH	4	\$8,100.00	\$32,400.00
2501.503	72" RC PIPE CULVERT CLASS IV	LIN FT	173	\$800.00	\$138,400.00
BID ALTERNATE B					
2412.502	14X7 PRECAST CONCRETE BOX CULVERT END SECTION TYPE 1	EACH	1	\$33,000.00	\$33,000.00
2412.502	14X7 PRECAST CONCRETE BOX CULVERT END SECTION TYPE 3	EACH	1	\$45,000.00	\$45,000.00
2412.503	14X7 PRECAST CONCRETE BOX CULVERT	LIN FT	87	\$2,290.00	\$199,230.00
	BASE BID WITH BID ALTERNATE A				\$282,109.93
	BASE BID WITH BID ALTERNATE B				\$388,539.93
	PROJECT DEVELOPMENT, CONST ENGINEERING, AND INSPECTION (20%)				\$77,707.99
	TOTAL PROJECT COST - BID ALTERNATE A				\$359,817.92
	TOTAL PROJECT COST - BID ALTERNATE B				\$466,247.92

MINNESOTA DEPARTMENT OF TRANSPORTATION

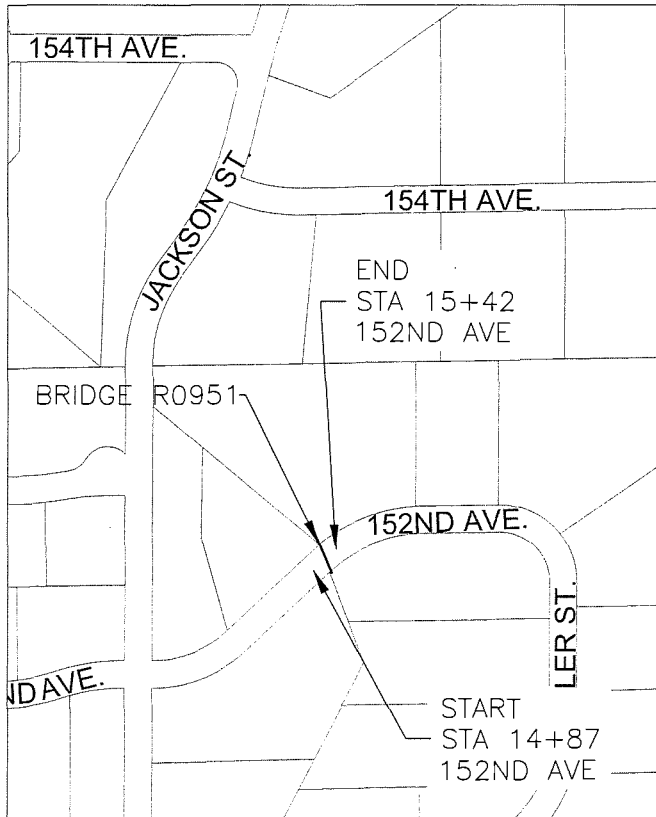
City of Ham Lake, Minnesota

CONSTRUCTION PLAN FOR GRADING, AGGREGATE BASE, PLANT MIXED BITUMINOUS SURFACE, DITCH CULVERT AND ASPHALT CURB

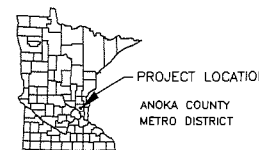
LOCATED ON 152ND AVENUE FROM JACKSON ST TO TYLER ST

HAM LAKE PROJECT NO. 2302.038

GROSS LENGTH	160 FEET	0.03 MILES
BRIDGES LENGTH	0 FEET	0 MILES
EXCEPTIONS LENGTH	0 FEET	0 MILES
NET LENGTH	160 FEET	0.03 MILES



ADT (2022)	300	ADT (2043)	450
Design Speed	30 MPH		
NO. OF TRAFFIC LANES	2	NO. OF PARKING LANES	0
FUNCTIONAL CLASSIFICATION	COLLECTOR, LOW DENSITY		
SOIL FACTOR	50%	HCA DT	<150
TON DESIGN	7 TON		
STOPPING SIGHT DISTANCE BASED ON:			
HEIGHT OF EYE	3.5'		
HEIGHT OF OBJECT	2.0'		
Design Speed not achieved at:			
STA.	N/A	TO STA.	N/A



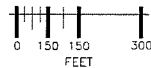
ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MN MUTCD, INCLUDING FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

THE UTILITIES SHOWN ARE BASED UPON THE BEST INFORMATION AVAILABLE AND MAY NOT REFLECT THE ACTUAL EFFECTS ON THE UTILITIES BY CONSTRUCTION. ACTUAL DETERMINATIONS WILL BE MADE IN THE FIELD DURING CONSTRUCTION.

STATE AID PROJ. NO. CHARGE IDENTIFIER

PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY



PLAN SYMBOLS

---	EXISTING	CENTERLINE
---	PROPOSED	CENTERLINE
---	EXISTING	RIGHT-OF-WAY LINE
---	PROPOSED	RIGHT-OF-WAY LINE
---	EXISTING	EASEMENT LINE
---	PROPOSED	EASEMENT LINE
---	CONSTRUCTION PERMANENT	PROPERTY LINE
---	LOT SECTION	PROPERTY LINE
---	CONSTRUCTION LIMITS CLEAR ZONE	CONSTRUCTION LIMITS CLEAR ZONE
---	INTERMEDIATE INDEX	EXISTING CONTOURS
---	901.25 GRADE BREAK INTERMEDIATE	EXISTING CONTOURS
---	900 INTERMEDIATE	EXISTING CONTOURS
---	900 GRADE BREAK INTERMEDIATE	EXISTING CONTOURS
---	901.25 GRADE BREAK INTERMEDIATE	EXISTING CONTOURS
---	EXISTING	PROPOSED CONTOURS
---	PROPOSED	PROPOSED CONTOURS
---	EXISTING	DITCH LINE
---	PROPOSED	DITCH LINE
---	EXISTING COUNTY	FENCE LINE - ANY TYPE
---	EXISTING COUNTY	FENCE LINE - ANY TYPE
---	EXISTING COUNTY	SILT FENCE
---	EXISTING COUNTY	WETLAND BOUNDARY
---	EXISTING COUNTY	WETLAND BOUNDARY
---	EXISTING COUNTY	TREE LINE
---	EXISTING COUNTY	EXISTING TREES (TO REMAIN)
---	EXISTING COUNTY	BENCH MARK / IRON MONUMENT
---	EXISTING COUNTY	BENCH MARK / IRON MONUMENT
---	EXISTING COUNTY	LIGHT POLE / BOLLARD
---	EXISTING COUNTY	LIGHT POLE / BOLLARD
---	EXISTING COUNTY	SOIL BORING
---	EXISTING COUNTY	SOIL BORING
---	EXISTING COUNTY	BUILDING
---	EXISTING COUNTY	BUILDING
---	EXISTING COUNTY	RIPRAP
---	EXISTING COUNTY	RIPRAP
---	EXISTING COUNTY	MAILBOX
---	EXISTING COUNTY	MAILBOX
---	EXISTING COUNTY	SIGN
---	EXISTING COUNTY	SIGN

UTILITY SYMBOLS

---	GAS	GAS LINE
---	PETRO	PETROLEUM LINE
---	CHE	ELECTRIC
---	UIGE	UNDERGROUND
---	T	UNDERGROUND TELEPHONE LINE
---	CATV	UNDERGROUND CABLE TV LINE
---	FO	UNDERGROUND FIBER OPTIC LINE
---	MNDOT FO	UNDERGROUND FIBER OPTIC LINE
---	MANHOLE	TELEPHONE STRUCTURES
---	JUNC. BOX	TELEPHONE STRUCTURES
---	JUNC. BOX	ELECTRIC JUNC. BOX
---	JUNC. BOX	ELECTRIC JUNC. BOX
---	JUNC. BOX	CABLE TV JUNC. BOX
---	JUNC. BOX	FIBER OPTIC STRUCTURES
---	JUNC. BOX	FIBER OPTIC STRUCTURES
---	EXISTING	POWER POLE AND GUY WIRE
---	EXISTING	POWER POLE AND GUY WIRE
---	EXISTING	STORM DRAIN LINE
---	EXISTING	STORM DRAIN LINE
---	EXISTING	FLARED END SECTION
---	EXISTING	FLARED END SECTION
---	EXISTING	CATCH BASIN
---	EXISTING	CATCH BASIN
---	EXISTING	MANHOLE
---	EXISTING	MANHOLE
---	EXISTING	WELL
---	EXISTING	WELL

HATCH LEGEND

---	BITUMINOUS	EROSION CONTROL
---	CONCRETE	EROSION CONTROL
---	HYDRMULCH	EROSION CONTROL
---	GRAVEL	REMOVAL
---	CONCRETE	REMOVAL
---	BITUMINOUS	REMOVAL

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STATEMENT OF ESTIMATED QUANTITIES
3-9	DETAILS
10-20	EROSION CONTROL DETAILS
21	REMOVAL SHEET
22	PLAN AND PROFILE
23	SWPPP

ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

THIS PLAN CONTAINS 23 SHEETS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNED: David A. Kruger
DATE: REG. NO. 48768

APPROVED: CITY ENGINEER - HAM LAKE DATE:

RFC ENGINEERING, INC.

Consulting Engineers

13635 Johnson Street NE Telephone 763-862-8000
Ham Lake, MN 55304 Fax 763-862-8042

JOB NO. 2302.038 SHEET NO. 1 OF 23 SHEETS
FILE: 37-2-150

STATEMENT OF ESTIMATED QUANTITIES

TAB	SHEET	NOTES	ITEM NO.	ITEM	UNIT	ENTIRE PROJECT	
						ESTIMATED QUANTITIES	
			2021.501	MOBILIZATION	LUMP SUM		1
			2101.505	CLEARING	ACRE		0.1
			2101.505	GRUBBING	ACRE		0.1
			2104.503	REMOVE PIPE CULVERTS	LN FT		173
			2104.505	REMOVE BITUMINOUS PAVEMENT	50 YD		175
			2104.513	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LN FT		87
			2105.607	TOPSOIL PLACEMENT (CV)	CU YD		766
			2105.607	SELECT GRANULAR BORROW (CV)	CU YD		110
			2106.507	GRANULAR SUBBASEMENT (CV)	CU YD		430
			2211.501	AGGREGATE BASE CLASS 3	TON		40
			2360.506	TYPE SP 9.5 WEARING COURSE MIXTURE (2(C))	TON		11
			2360.506	TYPE SP 12.5 WEARING COURSE MIXTURE (2(C))	TON		21
			2511.501	RANDOM RIPRAP CLASS III	CU YD		30
			2535.503	BITUMINOUS CURB	LN FT		110
			2563.601	TRAFFIC CONTROL	LUMP SUM		1
			2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM		1
			2573.501	CULVERT END CONTROLS	EACH		1
			2573.502	SILT FENCE TYPE HEAVY DUTY	LN FT		140
			2573.502	STORM DRAIN INLET PROTECTION	EACH		2
			2573.503	FILTRATION SILT CURTAIN TYPE MOVING WATER	LN FT		50
			2573.602	EROSION CONTROL	LUMP SUM		1
			2575.504	ROLLED EROSION PREVENTION CATEGORY 2D	50 YD		591
			2575.605	TURF ESTABLISHMENT	ACRE		0.2
				BID ALTERNATE A			
			2501.502	72" RC PIPE APRON	EACH		4
			2501.503	72" RC PIPE CULVERT CLASS IV	LN FT		173
				BID ALTERNATE B			
			2412.502	14X7 PRECAST CONCRETE BOX CULVERT END SECTION TYPE 1	EACH		1
			2412.502	14X7 PRECAST CONCRETE BOX CULVERT END SECTION TYPE 3	EACH		1
			2412.503	14X7 PRECAST CONCRETE BOX CULVERT	LN FT		87
			2501.502	72" RC PIPE APRON	EACH		-4
			2501.503	72" RC PIPE CULVERT CLASS IV	LN FT		-173

PLATE NO.	STANDARD PLATES - RFC ENGINEERING (IN THE PLANS)
RFC-652C	PIPE BEDDING EXCEPT PVC PIPE

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY

PLATE NO.	MnDOT STANDARD PLATES - IN MnDOT STANDARD PLATES MANUAL
3133C	RIPRAP AT R.C. PIPE OUTLETS
3145F	CONCRETE PIPE TEES

BASIS FOR ESTIMATED QUANTITIES

AGGREGATE BASE	105 LBS/S.Y./INCH
BITUMINOUS MIXTURE	110 LBS/S.Y./INCH
TACK COAT	0.05 GAL/S.Y.
TYPE I MULCH	2 TONS/ACRE

- SELECT GRANULAR BORROW, STRUCTURAL EXCAVATION, AND GRANULAR BACKFILL FOR STORM PIPES ARE INCIDENTAL.
- FILTER FABRIC AND FABRIC WRAP FOR CATCH BASINS AND MANHOLES ARE INCIDENTAL.
- ALL DISTURBED AREAS DETERMINED NOT TO BE PAVED, AGGREGATE SURFACE, CONCRETE SURFACE OR RIPRAPPED SHALL HAVE 4 INCHES OF TOPSOIL, FERTILIZER TYPE 2, MULCH MATERIAL TYPE 1, AND SEED MIXTURE NO. 260 PER MnDOT STANDARD SPECIFICATION 387E. APPLY TYPE 1 MULCH AT THE RATE OF 2 (TWO) TONS PER ACRE (TO ACHIEVE A 90% UNIFORM GROUND COVERAGE). SEED MIXTURE, WATER, TYPE 2 FERTILIZER, TYPE 1 MULCH, AND DISK ANCHORING ARE INCIDENTAL. SOIL TESTING TO DETERMINE FERTILIZER MIXTURE RATIO AND RATE OF APPLICATION IS INCIDENTAL.
- MATERIAL FOUND IN THE SUBCUTS THAT IS UNSUITABLE FOR FILL IN THE ROADBED SHALL BE REMOVED OFF-SITE.
- THE CONTRACTOR SHALL NOT DISTURB AREAS OUTSIDE THE CONSTRUCTION LIMITS.
- GRANULAR FILTER BLANKET NOT ALLOWED.
- AVERAGE DEPTH OF EXISTING BITUMINOUS PAVEMENT IS 4.9".
- ROCK CONSTRUCTION EXIT ARE INCIDENTAL.
- INSTALLATION AND MAINTENANCE ARE INCIDENTAL.

GOPIHER STATE ONE CALL
 800-252-1166 651-454-0002
 PLOT DATE: 4/24/2023 15:26

DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE _____ REG. NO. _____

RFC ENGINEERING, INC.
 Consulting Engineers

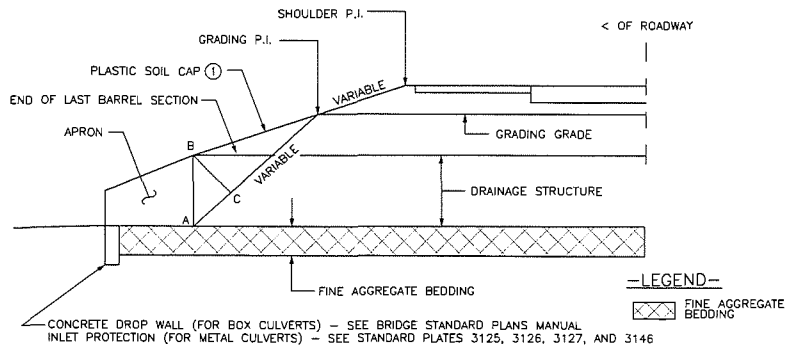
13635 Johnson Street
 Horn Lake, MN 55304
 Telephone 763-852-8000
 Fax 763-862-8042

COUNTY DITCH #58 CROSS CULVERTS

STATEMENT OF ESTIMATED QUANTITIES

DESIGN BY: DAK DRAWN BY: JAB CHECKED BY: TFC

DWG. 2302-038.DWG
DATE: 08/28/23
JOB NUMBER: 2302.038
SHEET: 2 OF 23
FILE: 32-1-151



- ① PLASTIC SOIL CAP CONSIST OF 50% MIN. PASSING THE NO. 200 SIEVE AND 20% MIN. CLAY SIZE PARTICLES

NOTES:
THE TREATMENT WILL BE RECOMMENDED BY THE DISTRICT MATERIALS/SOILS ENGINEER.

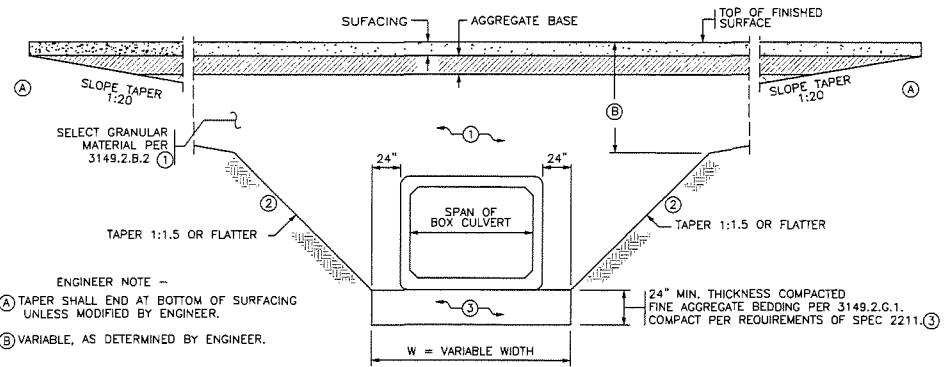
WIDTH OF PLASTIC SOIL CAP:

- A) FOR PLASTIC SOIL EMBANKMENT - FULL WIDTH OF THE GRANULAR TREATMENT PLUS 2' ON EACH END.
B) FOR GRANULAR SOIL EMBANKMENT - A MINIMUM OF ONE DIAMETER OR WIDTH OF STRUCTURE ON EITHER SIDE OF THE STRUCTURE.

THE TREATMENT IS NORMALLY REQUIRED ON THE INLET END.

THE THICKNESS OF THE PLASTIC SOILS CAP (B-C) IS 3' MINIMUM AND 6' MAXIMUM.

- A) FILL HEIGHTS LESS THAN 15':
- NORMALLY EXTEND THE LINE THRU (A-C) TO GRADING P.I. HOWEVER, IF THIS RESULTS IN A THICKNESS (B-C) GREATER THAN 6', REDUCE B-C TO 6' OR LESS AND INTERSECT THE FILL SLOPE RATHER THAN THE P.I..
- B) FILL HEIGHTS GREATER THAN 15':
- THE LINE THRU A-C NEED NOT INTERSECT THE GRADING P.I. INSTEAD INTERSECT THE FILL SLOPE AT A POINT NOT LESS THAN 5' ABOVE THE STRUCTURE MAINTAINING AT LEAST A MINIMUM THICKNESS (B-C) OF 3'.



- ENGINEER NOTE -
A) TAPER SHALL END AT BOTTOM OF SURFACING UNLESS MODIFIED BY ENGINEER.
B) VARIABLE, AS DETERMINED BY ENGINEER.

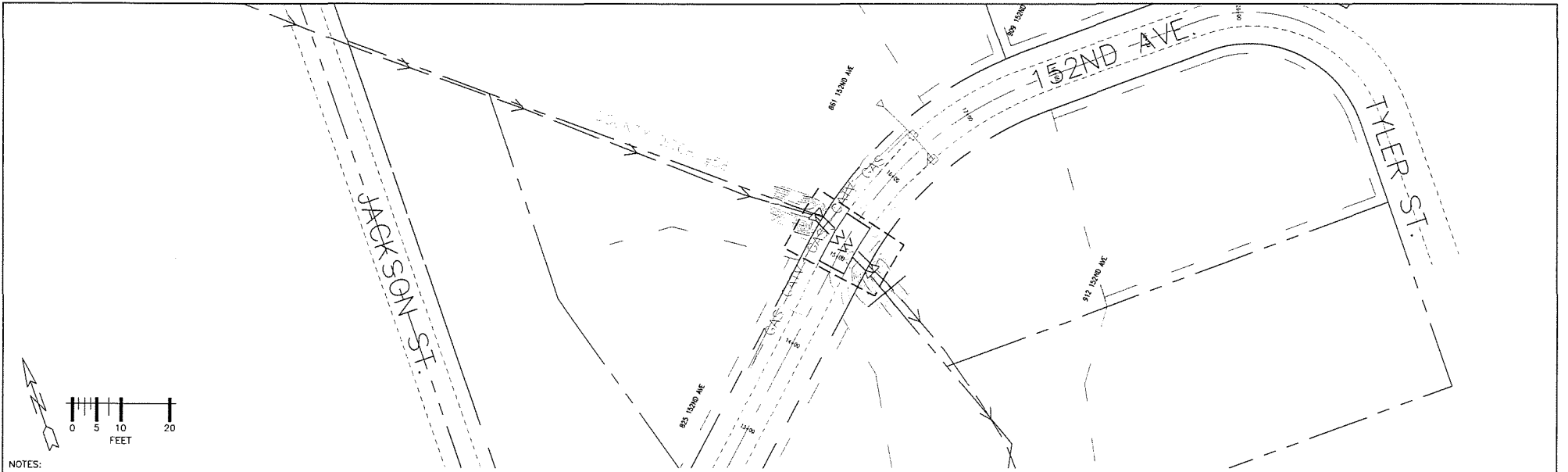
CONCRETE BOX CULVERT BEDDING

NOTES

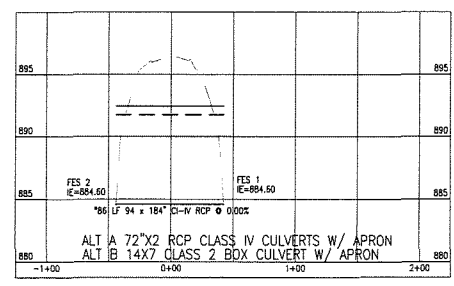
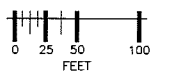
EXCAVATE & CONSTRUCT ALL TRENCHES AND SLOPES PER OSHA REQUIREMENTS. ALL SLOPES SHOWN AS (V):(H)

- ① MAXIMUM EMBANKMENT PARTICLE SIZE WITHIN 2 FT. OF CULVERT IS 3" PER SEPC. TABLE 21D5-4.
② OVER EXCAVATION BENEATH TAPERS IS NOT PERMITTED UNLESS REQUIRED BY OSHA. (TYP.)
③ IF APPROVED BY THE ENGINEER IN WET CONDITIONS THE CONTRACTOR MAY SUBSTITUTE 18" OF COARSE FILTER AGGREGATE PER 3149.2.H COMPACTED TO THE QUALITY COMPACTION REQUIREMENTS OF SPEC.2211.3.C2.B. WRAP WITH GEOTEXTILE FABRIC TYPE IV PER SPEC 3733. SEAM ALL FABRIC SIDES AND ENDS PER SPEC TABLE 3733-1 INCLUDING FOOTNOTE (e) OR OVERLAP A MINIMUM OF 3 FT. ALL AT NO ADDITIONAL COST.

BOX CULVERT BEDDING AND PLASTIC SOIL CAP NOT TO SCALE



- NOTES:
- COUNTY DITCH #8 TO BE DEWATERED TO TWO FEET MINIMUM BELOW THE BOTTOM OF THE BOX CULVERT. CONTRACTOR SHALL SUBMIT THEIR DEWATERING PLAN TO COON CREEK WATERSHED DISTRICT FOR REVIEW PRIOR TO ANY DEWATERING.
 - REMOVE ANY ENCOUNTERED UNSUITABLE SOILS SUCH AS ORGANIC SOILS AND LOOSE SILTS FROM UNDER THE PROPOSED BOX CULVERT.
 - BACKFILL UNDER THE PROPOSED BOX CULVERT WITH DRY NATIVE GRANULAR MATERIAL AND COMPACT TO 100 PERCENT.
 - IF BOX CULVERT SETTLES, ADD BACKFILL, RECOMPACT, AND RESET BOX CULVERT.
 - JOINTS IN THE PRECAST CONCRETE BOX CULVERT SHALL BE SEALED USING AN MNDOT APPROVED JOINT SEALER MATERIAL (PREFORMED RUBBER, PREFORMED PLASTIC OR BITUMINOUS MASTIC). SEALANT TO CONFORM WITH MNDOT SPECIFICATIONS 2412.4B.
 - TIES SHALL BE PER MNDOT STANDARD PLATE 3145G FOR RECESSED TIES.
 - DEWATERING, BYPASSING, ADDITIONAL PERMITTING, JOINT SEALER, TIES, CLASS 5, ROCK, RIPRAP, LEAN MIX BACKFILL, CIP CONCRETE DISTRIBUTION SLAB, AND COMPACTION ARE INCIDENTAL TO BOX CULVERT.
 - PROVIDE CLASS III RIPRAP WITH GEOTEXTILE FABRIC. NO GABIONS OR GRANULAR FILTER ARE TO BE USED. GEOTEXTILE FABRIC AND RIPRAP ARE INCIDENTAL.
 - NOTIFY COON CREEK WATERSHED DISTRICT ONE WEEK PRIOR TO THE CULVERT PLACEMENT AND TWO HOURS PRIOR TO THE COMPLETION OF EACH CULVERT PLACEMENT TO ALLOW SURVEYING OF INVERT.



BRIDGE #R0951

75 LF 7' H X 10' W TWIN PRECAST CONCRETE BOX CULVERTS WITH TYPE III END SECTIONS

GOPIHER STATE
ONE CALL
 800-252-1166 651-454-0002

DATE	REVISION HISTORY

HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

RFC ENGINEERING, INC.
Consulting Engineers

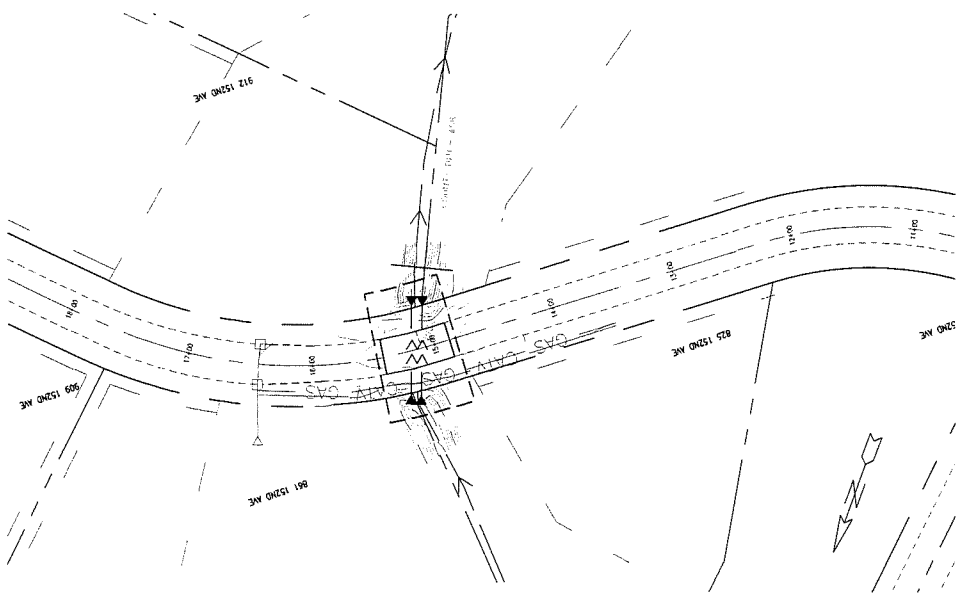
13635 Johnson Street
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COUNTY DITCH #58 CROSS CULVERTS

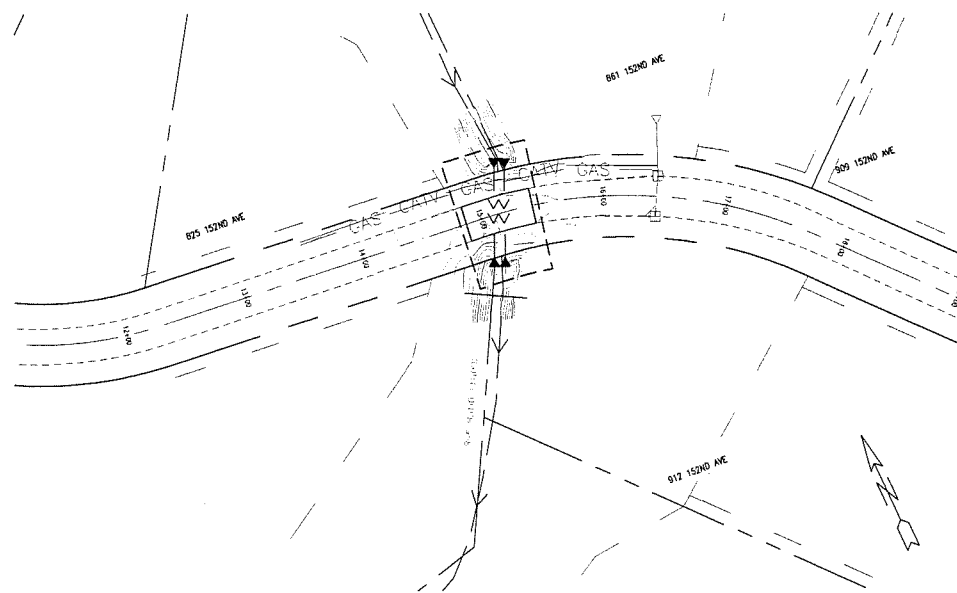
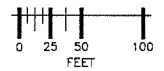
BOX CULVERT DETAILS

DESIGN BY: DAK DRAWN BY: JAB CHECKED BY: TPC

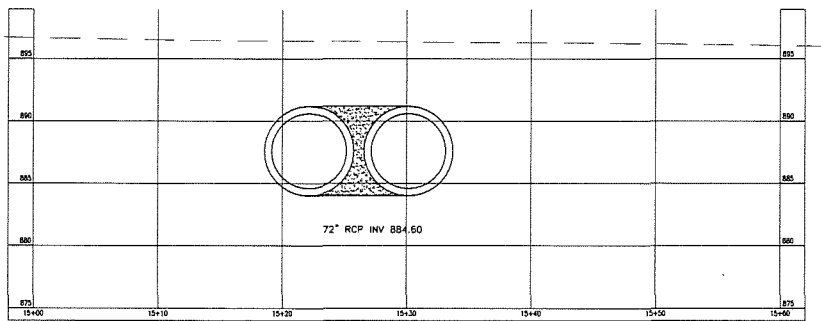
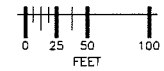
DWG: 2302-038 BC
 DATE: 08/28/23
 JOB NUMBER: 2302.038
 SHEET: 4 OF 23
 FILE: 32-1-153



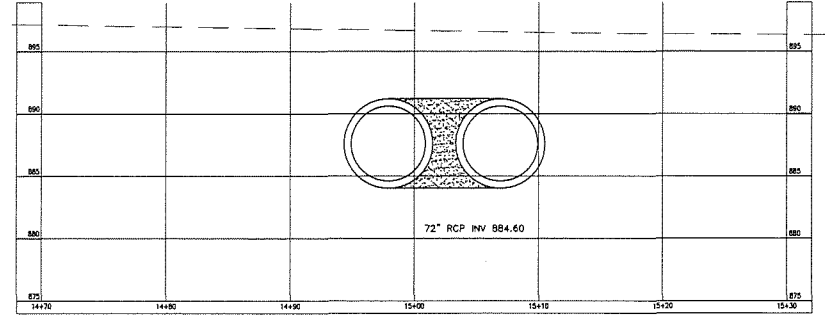
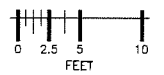
NORTH END TWIN PRECAST CONCRETE BOX CULVERTS PLAN VIEW



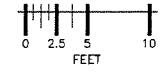
SOUTH END TWIN PRECAST CONCRETE BOX CULVERTS PLAN VIEW



NORTH END TWIN PRECAST CONCRETE TYPE III END SECTIONS ELEVATION VIEW



SOUTH END TWIN PRECAST CONCRETE TYPE III END SECTIONS ELEVATION VIEW



DATE	REVISION HISTORY

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 DATE _____ REG. NO. _____

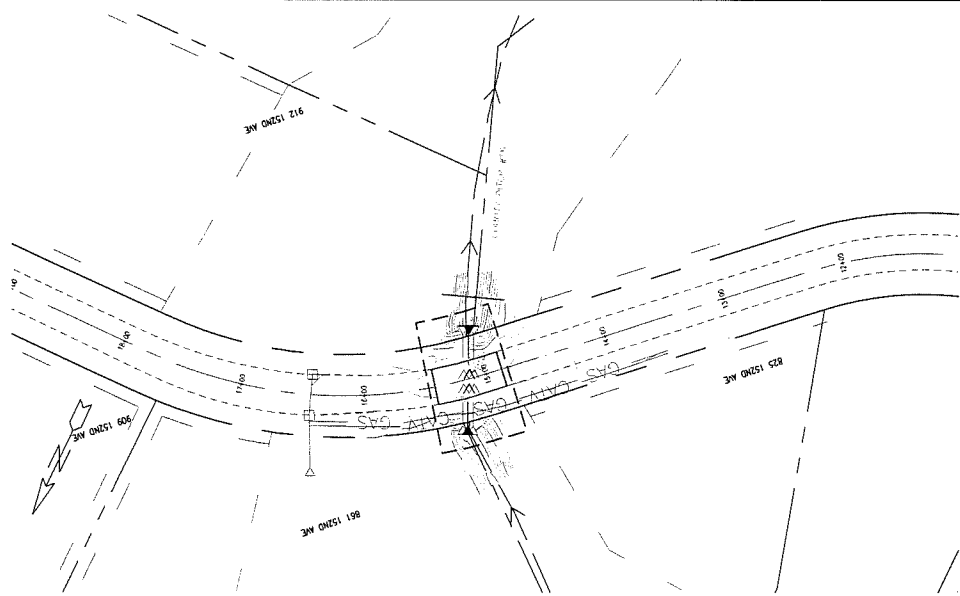
RFC ENGINEERING, INC.
 Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone: 763-862-8000
 Fax 763-862-8042

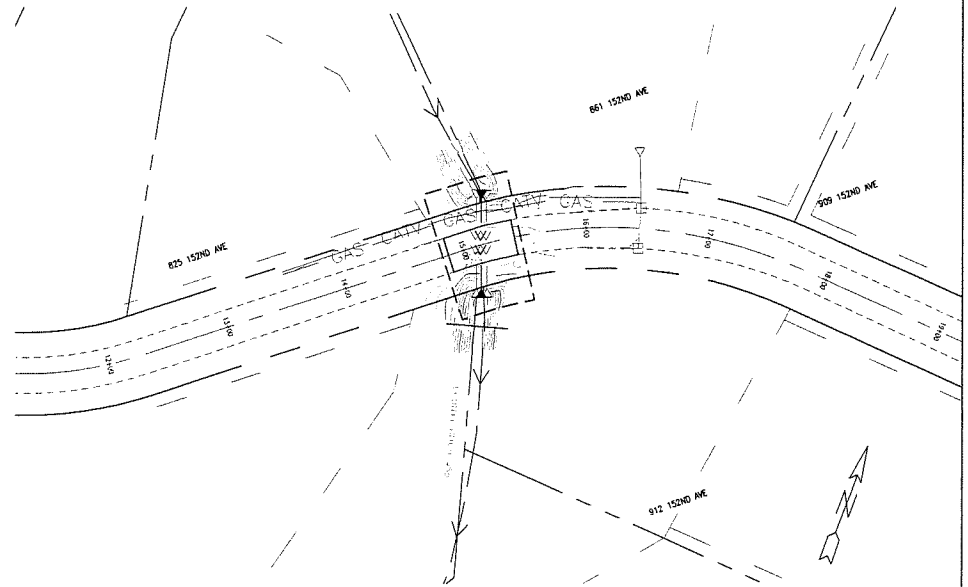
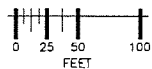
COUNTY DITCH #58 CROSS CULVERTS

DWG:	2302-038 BC2
DATE:	08/28/23
JOB NUMBER:	2302.038
SHEET:	5 OF 23
FILE:	32-1-154

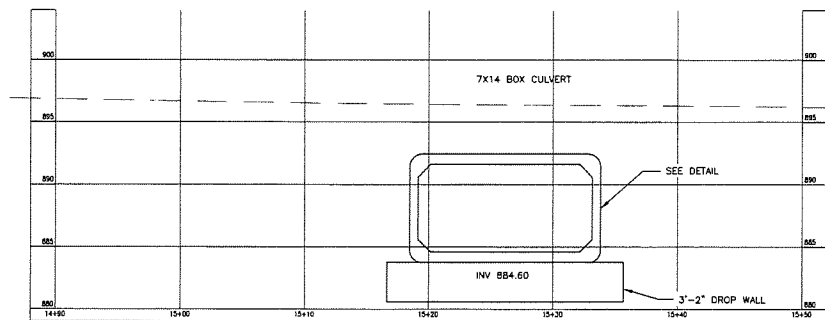
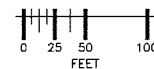
DESIGN BY: DAK DRAWN BY: JAS CHECKED BY: TFC



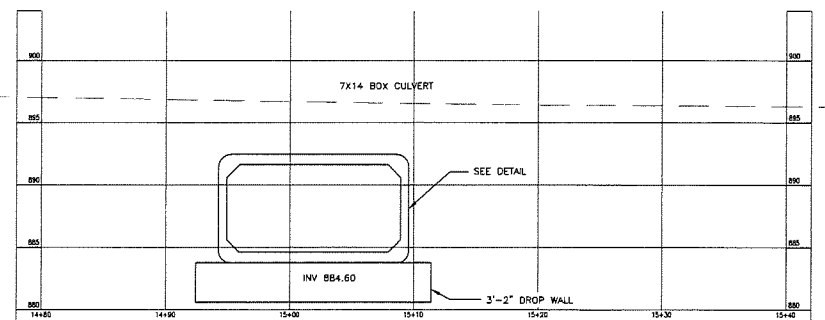
NORTH END TWIN PRECAST CONCRETE BOX CULVERTS PLAN VIEW



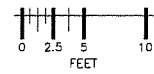
SOUTH END TWIN PRECAST CONCRETE BOX CULVERTS PLAN VIEW



NORTH END TWIN PRECAST CONCRETE TYPE III END SECTIONS ELEVATION VIEW



SOUTH END TWIN PRECAST CONCRETE TYPE III END SECTIONS ELEVATION VIEW



GOPIHER STATE
ONE CALL
 800-252-1166 651-454-0002

DATE	REVISION HISTORY
1/8/2020	REVISE TO LEAN MIX BACKFILL

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 DATE: _____ REG. NO. _____

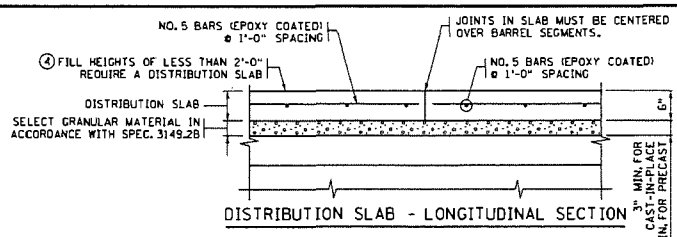
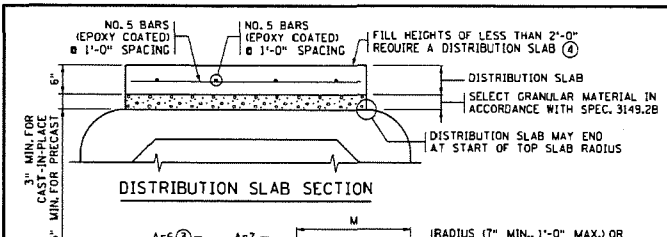
RFC ENGINEERING, INC.
Consulting Engineers

13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

COUNTY DITCH #58 CROSS CULVERTS
 ALTERNATE B
 BOX CULVERT DETAILS

DWG: 2302-038 BC3
 DATE: 08/28/23
 JOB NUMBER: 2302.038
 SHEET: 6 OF 23
 FILE: 32-1-155

DESIGN BY: DAK DRAWN BY: JAB CHECKED BY: TPC



CONSTRUCTION NOTES

CONSTRUCT CULVERTS IN ACCORDANCE WITH SPEC. 2412 EXCEPT AS NOTED.

REFER TO THE GENERAL PLAN AND ELEVATION SHEET FOR THE DISTANCE BETWEEN BARRELS OF ADJACENT BOXES AND TO STANDARD FIGURE 5-395.115 FOR MATERIAL REQUIREMENTS FOR FILL BETWEEN ADJACENT BOXES.

PROVIDE WELDED WIRE REINFORCEMENT, SHEAR REINFORCEMENT AND REINFORCEMENT BARS IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF AASHTO M255.

1/2" MIN. AND 2" MAX. CONCRETE COVER ON ALL REINFORCEMENT, INCLUDING SHEAR REINFORCEMENT, EXCEPT FOR TONGUE AND GROOVE DETAIL.

ANY OF THE FOLLOWING COMBINATIONS OF STEEL REINFORCEMENT MAY BE USED:

- (a) 1 OR 2 LAYERS OF WELDED WIRE REINFORCEMENT OR
- (b) 1 LAYER OF WELDED WIRE REINFORCEMENT AND 1 LAYER OF REINFORCEMENT BARS OR
- (c) 1 LAYER OF REINFORCEMENT BARS.

DEVELOP REINFORCEMENT IN ACCORDANCE WITH AASHTO "LRFD BRIDGE DESIGN SPECIFICATIONS". IF BAR REINFORCEMENT IS SUBSTITUTED FOR WELDED WIRE REINFORCEMENT, INCREASE THE AREA OF REINFORCEMENT BY 8%, AND SUBMIT DESIGN CALCULATIONS VERIFYING COMPLIANCE WITH AASHTO 5.7.3.4. "CONTROL OF CRACKING BY DISTRIBUTION OF REINFORCEMENT".

MAXIMUM SIZE OF REINFORCEMENT BARS IS NO. 6, THE MAXIMUM WELDED WIRE REINFORCEMENT SIZE IS #3 PER LAYER (MAXIMUM OF 2 LAYERS).

SPACE CENTER TO CENTER OF TRANSVERSE WIRES NOT LESS THAN 2" NOR MORE THAN 4". SPACE CENTER TO CENTER OF LONGITUDINAL WIRES NOT MORE THAN 8".

WHEN USING As1, As7, AND As8 REINFORCEMENT AS ONE CONTINUOUS CASE WITH SPLICES OCCURRING IN THE CENTER OF THE TOP AND BOTTOM OF THE BOX SECTION, THE MIN. LAP LENGTH FOR THE As7 AND As8 IS 15".

WELDING IS NOT PERMITTED ON REINFORCEMENT BARS OR WELDED WIRE REINFORCEMENT, EXCEPT THAT THE ORIGINAL WELDING REQUIRED TO MANUFACTURE WIRE REINFORCEMENT IS ACCEPTABLE.

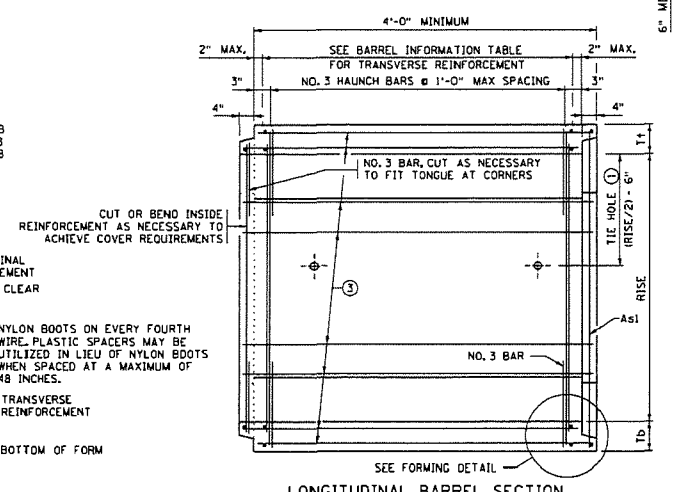
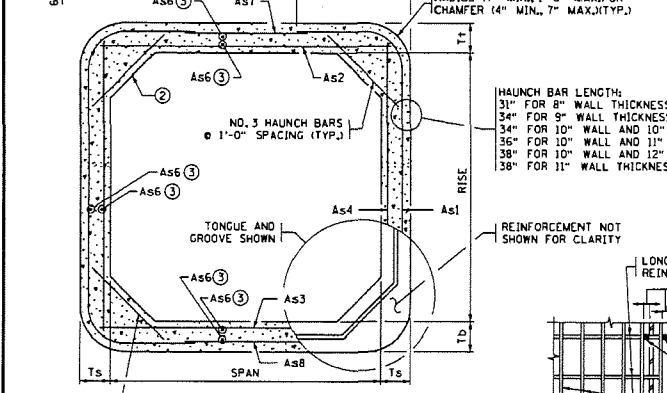
WHEN REINFORCEMENT IS CUT, PLACE ADDITIONAL REINFORCEMENT ON BOTH SIDES OF THE CUT MEMBER TO REPLACE OR EXCEED THE CUT STEEL.

USE CONCRETE MIX NO. 3WB2 WITH NO CALCIUM CHLORIDE ALLOWED.

SHOP DRAWING APPROVAL IN ACCORDANCE WITH SPEC. 3238.2A IS NOT REQUIRED UNLESS OPENINGS OR ATTACHMENTS ARE PLACED ON A BARREL SEGMENT.

COMPACT THE FIRST 1.5' (LOOSE) OF FILL ABOVE THE BOX WITH LIGHT COMPACTION EQUIPMENT SUCH AS PLATE COMPACTORS OR WALK BEHIND ROLLERS.

TRANSVERSE REINFORCEMENT IS PARALLEL TO THE CULVERT SPAN. LONGITUDINAL REINFORCEMENT IS PERPENDICULAR TO THE CULVERT SPAN.



① USE 1" DIAMETER CULVERT TIES. SEE STANDARD PLATE NO. 3145 FOR DETAILS.

② USE 12" VERTICAL, 12" HORIZONTAL HAUNCHES ON ALL BOX SIZES.

③ PLACE LONGITUDINAL REINFORCEMENT DENOTED AS As6 IN ALL SLABS AND WALLS WITH A MINIMUM OF 0.06 SQ. IN./FT.

④ ROADWAY OR SHOULDER FILL HEIGHTS OF LESS THAN 2'-0" REQUIRE A 6" THICK DISTRIBUTION SLAB WITH CONCRETE MIX 3552.

PLACE CAST-IN-PLACE DISTRIBUTION SLABS WITH 3" MIN. SELECT GRANULAR MATERIAL IN ACCORDANCE WITH SPEC. 3149.2B BETWEEN BARREL AND DISTRIBUTION SLAB.

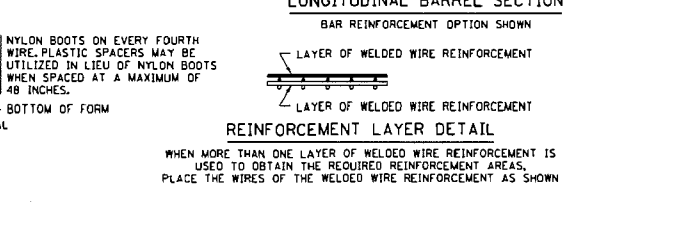
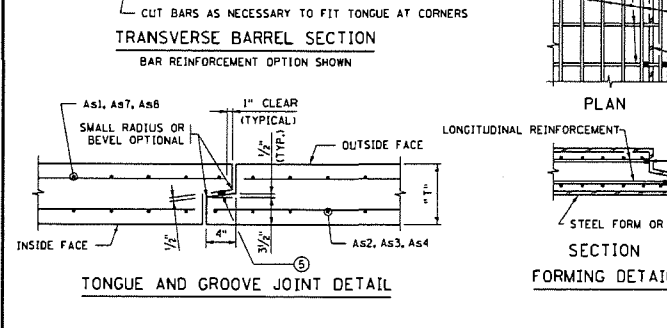
PRECAST DISTRIBUTION SLABS MAY BE USED FOR FILL HEIGHTS OVER 1'-0". PROVIDE 6" MINIMUM SELECT GRANULAR MATERIAL IN ACCORDANCE WITH SPEC. 3149.2B BETWEEN BARREL AND SLAB.

EXTEND THE WIDTH OF THE DISTRIBUTION SLAB TO THE OUTSIDE EDGES OF THE ROADWAY SHOULDERS UNLESS DIRECTED BY THE ENGINEER.

REDESIGN THE DISTRIBUTION SLAB PER THE MDDOT PAYEMENT DESIGN MANUAL IF IT IS USED AS PAYEMENT SURFACE.

PAYMENT FOR THE DISTRIBUTION SLAB AND SELECT GRANULAR MATERIAL BENEATH THE SLAB IS INCLUDED IN THE PRECAST CONCRETE BOX CULVERT PAY ITEM.

⑤ REFER TO SPEC. 2412 FOR SEALANT REQUIREMENTS.



BARREL INFORMATION TABLE ***

LOCATION	SIZE	CLASS	f'c (P.S.I.)	FILL HEIGHT RANGE (FT.)	DISTRIBUTION SLAB REQUIRED *	RECESSED TIE RODS REQUIRED **	DIMENSIONS					WEIGHT (LBS./FT.)	WELDED WIRE REINFORCEMENT												
							SPAN (FT.)	RISE (FT.)	Tt (IN.)	Td (IN.)	Ts (IN.)		As1		As2		As3		As4		As7		As8		
													AREA (IN. ² /FT.)	LENGTH (FT.)	AREA (IN. ² /FT.)	LENGTH (FT.)	AREA (IN. ² /FT.)	LENGTH (FT.)	AREA (IN. ² /FT.)	LENGTH (FT.)	AREA (IN. ² /FT.)	LENGTH (FT.)	AREA (IN. ² /FT.)	LENGTH (FT.)	
15+15	14X7	2	5000	3'-6"	NO	NO	14	7	10	10	8	5650	0.77	13'-9"	2'-10"	0.92	14'-6"	0.94	14'-6"	0.20	7'-6"	0.24	12'-5"	0.24	12'-5"
					YES	ND																			

REVISION: DECEMBER 21, 2022

APPROVED: MARCH 24, 2011

Nancy S. Suberberger
STATE BRIDGE DESIGNER

* ALL CLASS I CULVERTS WITH FILL HEIGHTS OF LESS THAN 2'-0" REQUIRE A DISTRIBUTION SLAB. IF A DISTRIBUTION SLAB IS NOT REQUIRED, INDICATE "NO" IN THIS BOX.

** FOR PEDESTRIAN CULVERT APPLICATIONS, HIDE-AWAY OR RECESSED TIE CONNECTIONS ARE REQUIRED. SEE STANDARD PLATE 3145. IF REQUIRED, INDICATE "YES" IN THIS BOX.

*** BOX CULVERTS WITH SPANS FROM 6 TO 14 FT. ARE DESIGNED FOR HL-93 LIVE LOADS (AASHTO LRFD 3.6.2.) NOT INCLUDING THE DESIGN LANE LOAD. BOXES WITH SPANS OF 16 FT. ARE DESIGNED FOR HL-93 LIVE LOADS INCLUDING THE DESIGN LANE LOAD.

STATE PROJ. NO. - (T.H.) STA. + .

CERTIFIED BY _____ DATE _____

LICENSED PROFESSIONAL ENGINEER DATE

PRECAST CONCRETE BARREL DETAILS

DESIGNER: DAK CMEI TPC

DR. JAB CMEI

APPROVED: _____

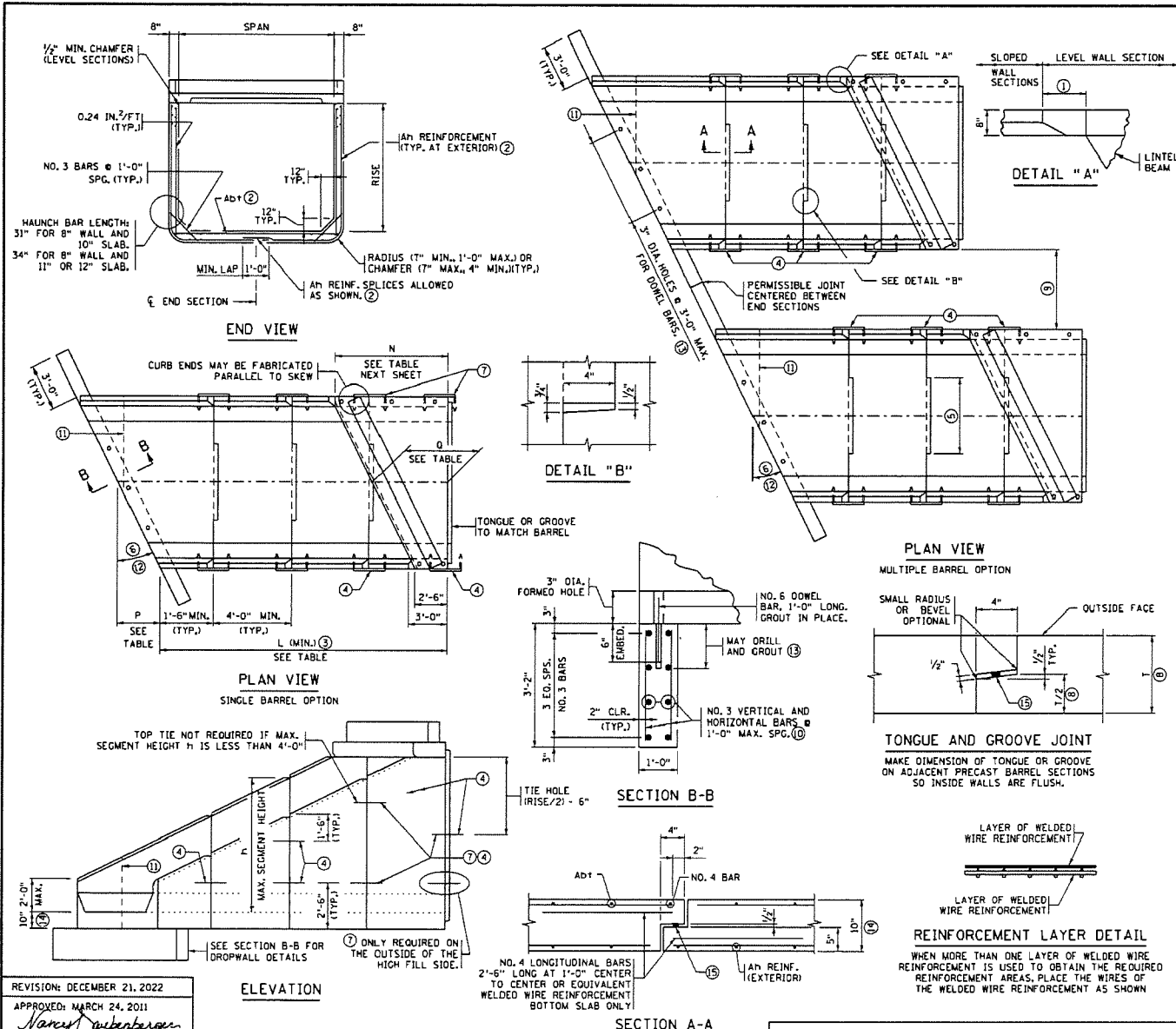
FIG. 5-395.101(A)

BRIDGE NO. R0951

SHEET NO. 7 OF 23 SHEETS

REV. NO.	DATE	REVISION DESCRIPTION	BY
1	09/08/23		

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CONSTRUCTION NOTES

SEE STANDARD FIG. 5-395.101(A) AND FIG. 5-395.101(B) FOR ADDITIONAL DIMENSIONS AND CONSTRUCTION NOTES.

ON ALL END SECTIONS FOR WATERWAYS, USE DROPWALLS ON INLET AND OUTLET ENDS.

FINISH ALL EXPOSED EDGES OF CONCRETE WITH 1/2" OR 3/4" CHAMFER OR RADIUS UNLESS OTHERWISE NOTED.

USE CONCRETE MIX 3W82 WITH NO CALCIUM CHLORIDE ALLOWED.

USE DROPWALL CONCRETE MIX 3S52 OR 3Y82 IF PRECAST. LIMITS FOR DROPWALL EXCAVATION TO BE APPROXIMATELY THE SAME AS DROPWALL DIMENSIONS, FURNISHING AND INSTALLATION OF DROPWALL IS INCLUDED IN PRICE BID FOR END SECTIONS.

PLACE LONGITUDINAL REINFORCEMENT WITH A MINIMUM OF 0.06 SQ. IN. PER FT. ON BOTH FACES.

NO TONGUE OR GROOVE REQUIRED IN WALLS BETWEEN END SECTIONS.

SEE STANDARD FIG. 5-395.115 FOR EMBANKMENT PROTECTION.

- ① 8 1/2" x 15" x 10 3/4" x 30"; 1'-2" x 45"
- ② SEE STANDARD FIG. 5-395.110 (2 OF 2) FOR REINFORCEMENT TABLES.
- ③ NUMBER OF SECTIONS VARIES WITH CULVERT RISE.
- ④ EXCEPT AS NOTED, USE 1" DIA. CULVERT TIES. SEE STANDARD PLATE NO. 3145 FOR DETAILS. TWO TIES ARE REQUIRED PER JOINT WHERE h IS GREATER THAN 4'.
- ⑤ 3'-6" MIN. TONGUE AND 3'-7" MIN. GROOVE FOR CULVERTS WITH SPANS GREATER THAN 6'-0". MIN. TONGUE AND 5'-1" MIN. GROOVE FOR CULVERTS WITH SPANS GREATER THAN 6'-0". CENTER TONGUE AND GROOVE ON 1/2" OF EACH APRON JOINT. TONGUE AND GROOVE JOINT ON ALL THREE SIDES OF APRON IS PERMISSIBLE.
- ⑥ FOR SKEW ANGLES OVER 7 1/2° UP TO 22 1/2°, USE A 15° SKEW END SECTION. FOR SKEW ANGLES OVER 22 1/2° UP TO 37 1/2°, USE A 30° SKEW END SECTION. FOR SKEW ANGLES OVER 37 1/2° UP TO 45°, USE A 45° SKEW END SECTION.
- ⑦ PROVIDE EXTRA STRONG CONNECTION AT LOCATION SHOWN REQUIRED ONLY ON HIGH FILL SIDE FOR 45° SKEW END SECTIONS OVER 6'-0" HIGH. FOR MULTIPLE BARREL OPTION, ONLY INCLUDE EXTRA STRONG TIES ON THE OUTSIDE OF THE HIGH FILL SIDE. SEE STANDARD FIG. 5-395.110 (2 OF 2) FOR DETAILS.
- ⑧ DIMENSION "T" IS EQUAL TO T₁ TO OR T₂.
- ⑨ REFER TO THE GENERAL PLAN AND ELEVATION SHEET FOR THE DISTANCE BETWEEN BARRELS OF ADJACENT BOXES AND TO STANDARD FIGURE 5-395.115 FOR MATERIAL REQUIREMENTS FOR FILL BETWEEN ADJACENT BOXES.
- ⑩ WELDED WIRE REINFORCEMENT OF EQUAL AREA MAY BE SUBSTITUTED FOR REBAR.
- ⑪ ON THE LAST SEGMENT OF THE 45° SKEWED APRONS, A TRANSVERSE JOINT IN THE BOTTOM IS PERMITTED. A SPECIAL TIE, SIMILAR TO THE SIDE TIE, MUST BE PROVIDED. THE TIE SHALL BE INSET AND THE SPACE FILLED WITH AN APPROVED GROUT.
- ⑫ FOR BOX CULVERTS WITH SPANS OF 16' THE MAXIMUM SKEW SHALL BE 30°.
- ⑬ FILL HOLE WITH GROUT. GROUT CONSISTS OF 1 PART CEMENT AND 2 PARTS SAND. USE TYPE 1A AIR ENTRAINED PORTLAND CEMENT. GROUT MIX MAXIMUM SLUMP IS 4".
- ⑭ APRON BOTTOM SLAB THICKNESS MAY BE 8" FOR CULVERTS WITH 6' SPANS ONLY. BOTTOM SLAB THICKNESS MAY BE INCREASED UP TO 2" MAX. PROVIDED ONLY IS 1 1/2" MIN. 2" MAX.
- ⑮ REFER TO SPEC. 2412 FOR SEALANT REQUIREMENTS.

LENGTH P				
SPAN (FT.)	15° SKEW	30° SKEW	45° SKEW	
6	0'-11 3/4"	2'-13 1/2"	3'-8"	
8	1'-3"	2'-8 3/4"	4'-8"	
10	1'-6 1/2"	3'-3 1/2"	5'-8"	
12	1'-9 3/4"	3'-10 1/2"	6'-8"	
14	2'-0 5/8"	4'-5 1/2"	7'-8"	
16	2'-3 3/4"	5'-0"	(12)	

MIN. LENGTH L			
RISE (FT.)	15° SKEW	30° SKEW	45° SKEW
4	7'-1 3/4"	7'-7 3/4"	8'-7 1/2"
5	9'-2 1/2"	9'-11 1/4"	11'-5 3/4"
6	11'-3 3/4"	12'-2 3/4"	14'-3 3/4"
7	13'-4 1/4"	14'-6 3/4"	17'-1 3/4"
8	15'-5 1/4"	16'-10 1/4"	19'-11 1/4"
9	17'-5 5/8"	19'-2"	22'-9 3/4"
10	19'-6 3/4"	21'-5 3/4"	25'-7 1/2"
11	21'-7 7/8"	23'-9 3/4"	28'-5 1/2"
12	23'-8 1/2"	26'-1 3/4"	31'-3 3/4"
13	25'-9 3/4"	28'-4 1/4"	34'-1 3/4"
14	27'-10 1/4"	30'-8 1/2"	36'-11 1/4"

LENGTH Q				
SPAN (FT.)	15° SKEW	30° SKEW	45° SKEW	
6	3'-5 3/4"	4'-7 3/4"	6'-2"	
8	3'-9"	5'-2 3/4"	7'-2"	
10	4'-0"	5'-8 1/4"	8'-2"	
12	4'-3 3/4"	6'-4 1/4"	9'-2"	
14	4'-6 5/8"	6'-11 1/4"	10'-2"	
16	4'-9 3/4"	7'-6 1/4"	(12)	

REVISION: DECEMBER 21, 2022

APPROVED: MARCH 24, 2011

Nancy S. Swenberg
STATE BRIDGE ENGINEER

REV. NO.	DATE	REVISION DESCRIPTION	BY
	09/08/23		

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CERTIFIED BY _____ DATE _____
LICENSED PROFESSIONAL ENGINEER L.I.C. NO. _____

STATE PROJ. NO. - (T.H.) STA. + .
PRECAST CONCRETE END SECTION
TYPE III - SINGLE OR MULTIPLE BARREL
FOR SKEWS 7 1/2° TO 45°

FIG. 5-395.110 (1 OF 2)

DESIGNER: _____ DATE: _____
CHECKER: _____ DATE: _____

APPROVED: _____
BRIDGE NO. R0951
SHEET NO. 8 OF 23 SHEETS

Ah REINFORCEMENT		
HEIGHT h (FT.)	Ah (IN ² /FT.)	
	15° & 30° SKEW	45° SKEW
7 OR LESS	0.192	0.192
8	0.20	0.24
9	0.29	0.36
10	0.42	0.53
11	0.60	0.75
12	0.78	0.98
13	1.03	1.36
14	1.38	1.85

Adt REINFORCEMENT	
SPAN (FT.)	Adt (IN ² /FT.)
6-10	0.20
12	0.30
14	0.39
16	0.39

LINTEL BEAM REINFORCEMENT		
SPAN (FT.)	BOTTOM REINFORCEMENT	
	A1	A2
6	NO. 4 @ 1'-0"	NO. 4 @ 9"
8	NO. 4 @ 1'-1"	NO. 4 @ 6"
10	NO. 4 @ 9"	NO. 5 @ 6"
12	NO. 5 @ 9"	NO. 6 @ 6"
14	NO. 6 @ 9"	NO. 8 @ 6"
16	NO. 6 @ 9"	NO. 8 @ 6"

LENGTH N			
SPAN (FT.)	15° SKEW	30° SKEW	45° SKEW
6	4'-3 3/4"	6'-4 1/4"	9'-2"
8	4'-9 3/4"	7'-6"	11'-2"
10	5'-4 1/2"	8'-7 3/4"	13'-2"
12	5'-10 3/4"	9'-9 3/4"	15'-2"
14	6'-5 1/2"	10'-11 3/4"	17'-2"
16	6'-11 3/4"	12'-1 1/2"	NA (7)

LINTEL BEAM THICKNESS			
SPAN (FT.)	15° SKEW	30° SKEW	45° SKEW
≤ 12	9"	9"	9"
14	10" (6)	10" (8)	10" (6)
16	10" (6)	10" (8)	NA (7)

CONSTRUCTION NOTES

SEE STANDARD FIG. S-395.101(A) AND FIG. 5-395.101(B) FOR ADDITIONAL DIMENSIONS AND CONSTRUCTION NOTES.

ALL END SECTIONS REQUIRE CURB ON LINTEL BEAM.

GROUT CONSISTS OF 1 PART CEMENT AND 2 PARTS SAND. USE TYPE IA AIR ENTRAINED PORTLAND CEMENT. GROUT MIX MAXIMUM SLUMP IS 4".

STRUCTURAL STEEL IN ACCORDANCE WITH SPEC. 3306.

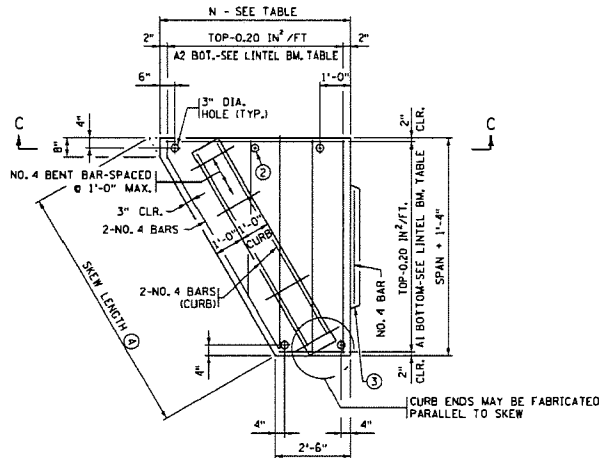
WELDING IN ACCORDANCE WITH SPEC. 2471.

GALVANIZE STRUCTURAL STEEL IN ACCORDANCE WITH SPEC. 3394.

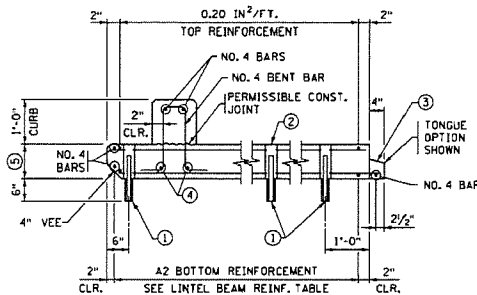
GALVANIZE BOLTS, NUTS AND WASHERS IN ACCORDANCE WITH SPEC. 3392.

- NO. 8 DOWEL, 1'-0" LONG, 2" DIA. HOLE IN THE TOP OF THE WALL SECTION AND 3" DIA. HOLE IN THE LINTEL. FILL HOLE WITH GROUT.
- PROVIDE ADDITIONAL 3" HOLES AT 4'-0" MAXIMUM SPACING WHEN SIZE OF LINTEL BEAM IS OVER 6 FT.
- CHECK THE LOCATION TO DETERMINE WHETHER A TONGUE OR A GROOVE IS USED. TONGUE AND GROOVE TO TERMINATE AT CULVERT RADIUS.
- FOR SKEW LENGTH UNDER 10' USE NO. 8 BARS. FOR SKEW LENGTH OF 10' TO 14' USE NO. 9 BARS. FOR SKEW LENGTH OVER 14' TO 18' USE NO. 10 BARS. FOR SKEW LENGTH OVER 18' TO 22' USE NO. 11 BARS OR EQUAL. SKEW LENGTH IS DISTANCE BETWEEN OUTSIDE FACES OF END SECTION ALONG LINTEL BEAM.
- SEE LINTEL BEAM THICKNESS TABLE ON THIS SHEET. USE LINTEL BEAMS WITH 5000 PSI 3W82 CONCRETE UNLESS OTHERWISE SPECIFIED.
- ALTERNATE BAR BEND MAY BE USED FOR NO. 4 BENT BARS.
- FOR CULVERTS WITH SPANS OF 16' THE MAXIMUM SKEW IS 30°.
- ALTERNATIVELY A 9" THICKNESS MAY BE USED WITH 6500 PSI 3W82 CONCRETE.

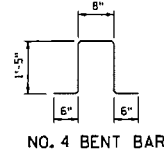
NOTE: h IS THE LARGEST VERTICAL DIMENSION OF THE SEGMENT.



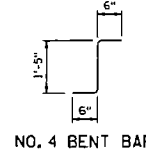
PLAN VIEW
LINTEL BEAM WITH INTEGRAL CURB



SECTION C-C
LINTEL BEAM WITH INTEGRAL CURB

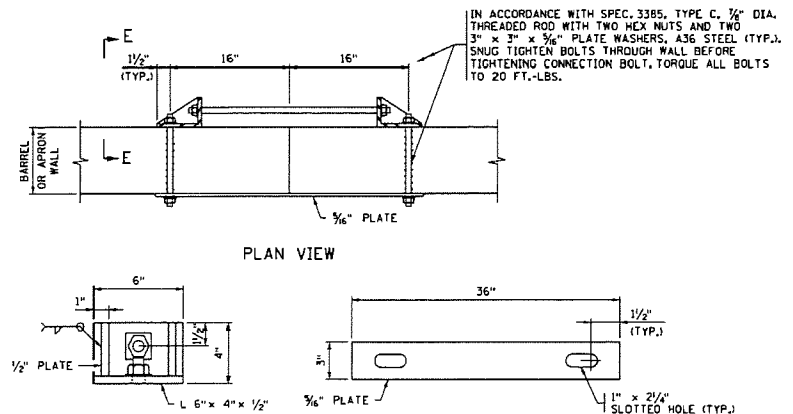


NO. 4 BENT BAR



NO. 4 BENT BAR ALTERNATE

(6) REQUIRED



SECTION E-E
PLATE DETAIL
EXTRA STRONG CONNECTION DETAILS

REVISION: DECEMBER 21, 2022

APPROVED: MARCH 24, 2011

Nancy Dauterberg
DATE ENGINEER

REV. NO.	DATE	REVISION DESCRIPTION	BY
	09/08/23		

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CERTIFIED BY _____
LICENSED PROFESSIONAL ENGINEER
DATE _____
LIC. NO. _____

STATE PROJ. NO. - (T.H.) STA. +

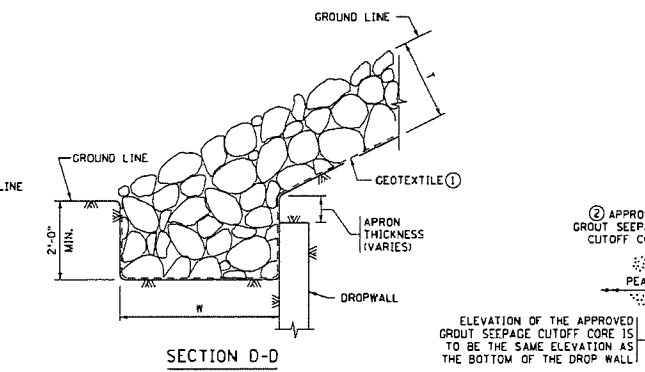
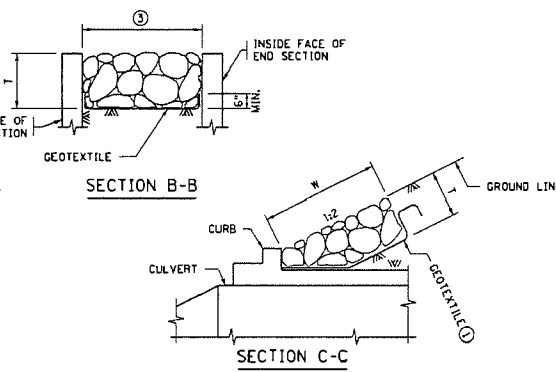
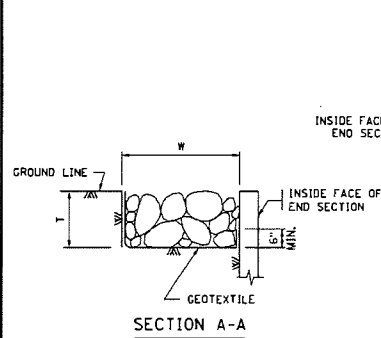
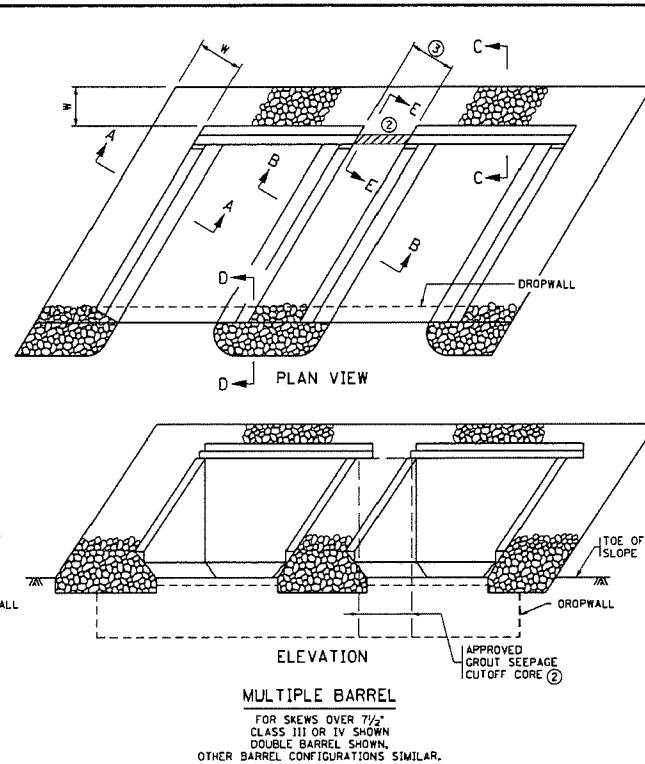
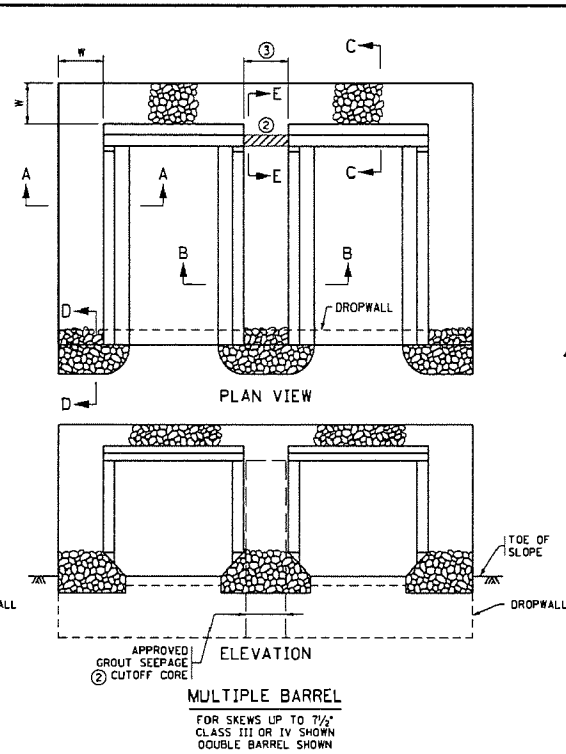
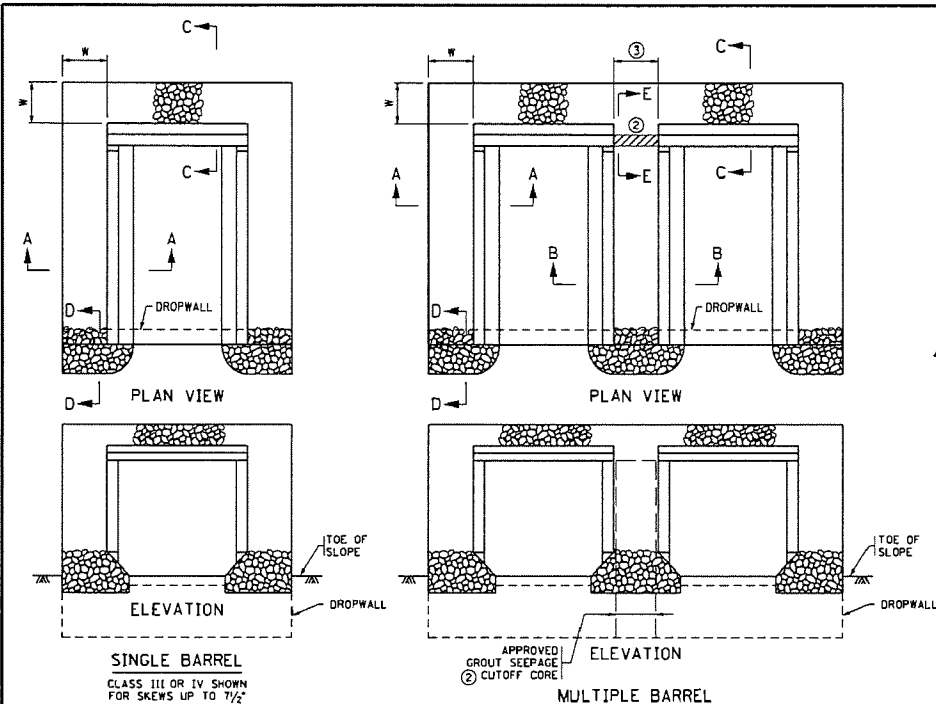
FIG. 5-395.110 (2 OF 2)

PRECAST CONCRETE END SECTION
TYPE III - SINGLE OR MULTIPLE BARREL
FOR SKEWS 7 1/2' TO 45'

DES: DAK
CHK: TPC
DR: JAB
CHK: _____
APPROVED: _____

BRIDGE NO.
R0951

SHEET NO. 9 OF 23 SHEETS



CONSTRUCTION NOTES

- THIS PLAN SHEET IS FOR CULVERT EMBANKMENT PROTECTION ONLY. REFER TO THE GRADING PLANS FOR ADDITIONAL RIPRAP OR OTHER SCOUR PROTECTION MEASURES.
- PROVIDE RIPRAP IN ACCORDANCE WITH SPECS. 2511 AND 3601.
- EMBANKMENT PROTECTION, INCLUDING MATERIAL PLACED BETWEEN BARRELS THAT ARE LESS THAN 2'-0" APART, IS INCLUDED IN THE PRECAST CONCRETE BOX CULVERT PAY ITEMS.
- PROVIDE TYPE 7 GEOTEXTILE IN ACCORDANCE WITH SPEC. 3733. PROVIDE GEOTEXTILE STRIPS CONTINUOUS WITHOUT OVERLAPS, EXCEPT FOR THE TOP STRIP, WHICH SHOULD SINGLE VERTICAL STRIPS. BURY THE TOP EDGE TO PREVENT UNDERMINING.
 - IF THE DISTANCE BETWEEN MULTIPLE BARRELS IS LESS THAN 2'-0" USE EITHER PEA ROCK OR LEAN MIX BACKFILL (SPEC. 2520) BETWEEN THE CULVERTS AS APPROVED BY THE ENGINEER. IF PEA ROCK IS USED PROVIDE APPROVED GROUT SEEPAGE CUTOFF CORE, MINIMUM 12" THICK BETWEEN THE CULVERT'S TWO ENDS AND PROVIDE CLASS I GROUTED RIPRAP IN LIEU OF CLASS III RIPRAP.
 - REFER TO THE GENERAL PLAN AND ELEVATION SHEET FOR THE DISTANCE BETWEEN BARRELS OF ADJACENT BOXES.

RIPRAP CLASS

RIPRAP CLASS	RIPRAP CLASS	T	W
<input type="checkbox"/>	III	1'-6"	3'-0"
<input type="checkbox"/>	IV	2'-0"	4'-0"

DESIGNER NOTE:
REMOVE PRIOR TO PRINTING FINAL PLAN
DESIGNER TO SELECT EITHER CLASS III OR IV RIPRAP USING CHECK BOX ABOVE.

REVISION: DECEMBER 21, 2022
APPROVED: SEPTEMBER 11, 2014
Nancy Moberger
STATE WISCONSIN ENGINEER

REV. NO.	DATE	REVISION DESCRIPTION	BY
1	09/08/23		

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

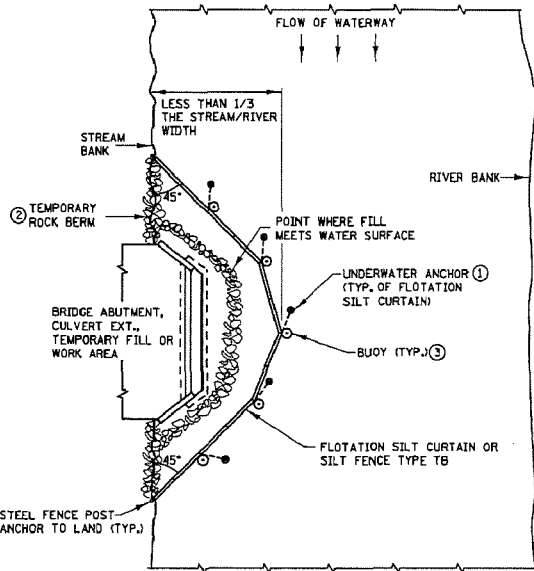
CERTIFIED BY _____ DATE _____
LICENSED PROFESSIONAL ENGINEER L.I.C. NO. _____

STATE PROJ. NO. - (T.H.) STA. + .
EMBAKMENT PROTECTION FOR BOX CULVERTS

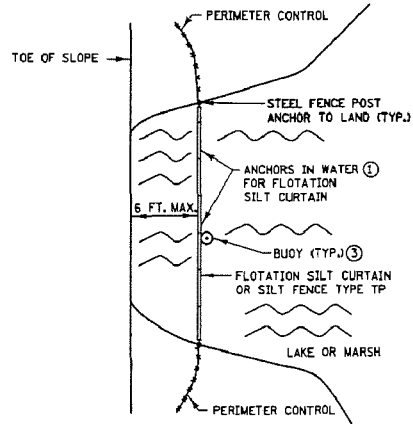
DES. CHK. _____ DR. JAB. _____
CHK. TPC. _____ CHK. _____
APPROVED: _____
SHEET NO. 10 OF 23 SHEETS

FIG. 5-395.115

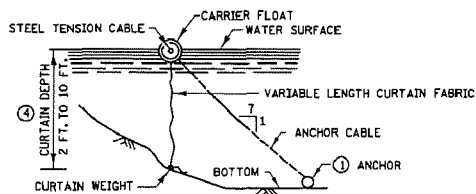
BRIDGE NO. R0951



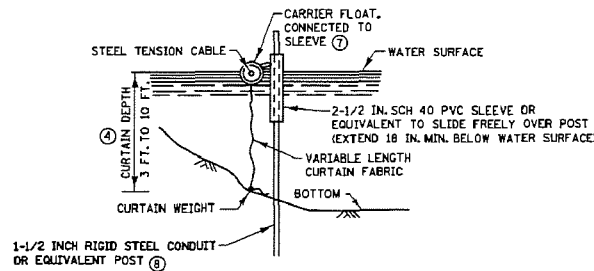
PLAN VIEW FOR STREAM ⑤



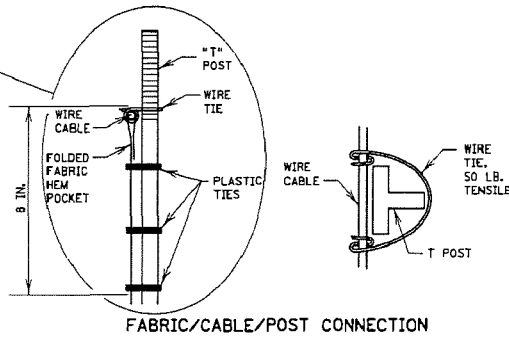
PLAN VIEW FOR LAKE OR MARSH ⑤



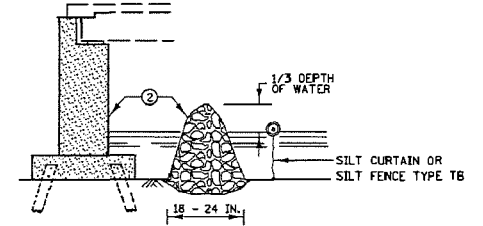
FLOTATION SILT CURTAIN



ALTERNATE FLOTATION SILT CURTAIN



FABRIC/CABLE/POST CONNECTION

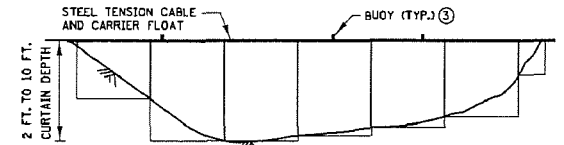


TEMPORARY ROCK BERM FOR SEDIMENT CONTROL

INSTALLATION GUIDELINES
SILT FENCE TYPE TB
MINIMUM WATER DEPTH: 1 FT.
MAXIMUM WATER DEPTH: 3 FT.
MAXIMUM WATER VELOCITY: 5 FT./SEC.

INSTALLATION GUIDELINES ④
FLOTATION SILT CURTAIN
TYPE: STILL WATER
MINIMUM WATER DEPTH: 3 FT.
MAXIMUM WATER DEPTH: 10 FT.
MAXIMUM WATER VELOCITY: 2 FT./SEC.
MAXIMUM WAVE HEIGHT: 1 FT.

INSTALLATION GUIDELINES ④
FLOTATION SILT CURTAIN
TYPE: MOVING WATER
MINIMUM WATER DEPTH: 3 FT.
MAXIMUM WATER DEPTH: 10 FT.
MAXIMUM WATER VELOCITY: 5 FT./SEC.
MAXIMUM WAVE HEIGHT: 2 FT.



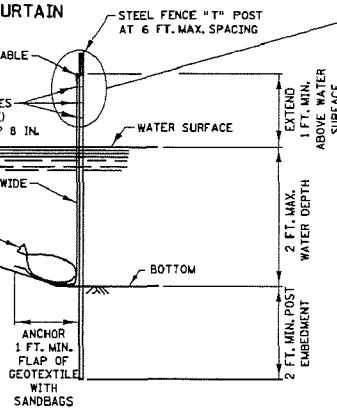
FRONT VIEW FOR FLOTATION SILT CURTAIN

NOTES:

SEE SPECS. 2573, 3886, 3887 & 3893.

- ① FOR ANCHOR SPACING AND WEIGHT REQUIREMENTS, SEE SPEC. 2573.
- ② IN AREAS WHERE THE PLAN CALLS FOR RIPRAP AT A BRIDGE, CULVERT, OR SLOPE, A TEMPORARY ROCK BERM CONSTRUCTED FROM THE RIPRAP CAN BE USED TO PROVIDE ADDITIONAL PROTECTION. WHEN THE WORK IS COMPLETE THE RIPRAP CAN THEN BE MOVED TO THE PERMANENT LOCATION INDICATED IN THE PLANS. THE TEMPORARY ROCK BERM IS INCIDENTAL.
- ③ ON U.S. COAST GUARD OR OTHER MOTORIZED WATERWAYS, BUOYS ARE REQUIRED TO MARK THE ENDS AND SPECIAL AREAS FOR VISIBILITY. PLACE BUOYS AS REQUIRED FOR NAVIGATIONAL PURPOSES.
- ④ MINIMUM WATER DEPTH APPLIES TO THE DEEPEST POINT ALONG THE FLOTATION SILT CURTAIN OR SILT FENCE TYPE TB FOR DETERMINING APPLICABILITY OF FLOTATION SILT CURTAIN OR SILT FENCE TYPE TB.
- ⑤ SILT CURTAIN SHOULD BE REMOVED WHEN THE AREA CONTRIBUTING DIRECT RUNOFF HAS BEEN TEMPORARILY OR PERMANENTLY STABILIZED. SILT CURTAIN SHOULD ALSO BE REMOVED BEFORE WINTER IF ICE UP OR ICE FLOW IS ANTICIPATED.
- ⑥ EMBED POST INTO BOTTOM A MINIMUM OF 40% OF THE WATER DEPTH (INCLUDING WAVE HEIGHT), BUT IN NO CASE SHALL EMBEDMENT BE LESS THAN 2 FEET.
- ⑦ ANCHOR FLOAT MUST BE CONNECTED SECURELY TO SLEEVE WITH A MINIMUM TENSILE STRENGTH OF 100 LBS. CONNECTION METHOD MUST ALLOW FOR SLEEVE TO MOVE FREELY ON POST.
- ⑧ PROVIDE SUFFICIENT NUMBER OF POST ANCHORS TO MAINTAIN SILT CURTAIN POSITION.

REVISION:
APPROVED: 2-28-2017
[Signature]
CHIEF ENVIRONMENTAL OFFICER



SILT FENCE TYPE TB ⑥



STANDARD PLAN 5-297.405 1 OF 8

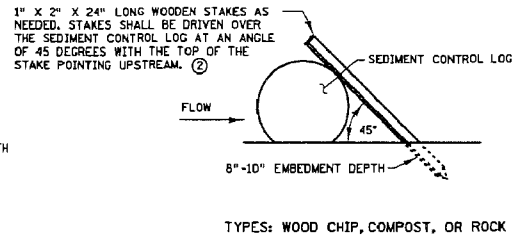
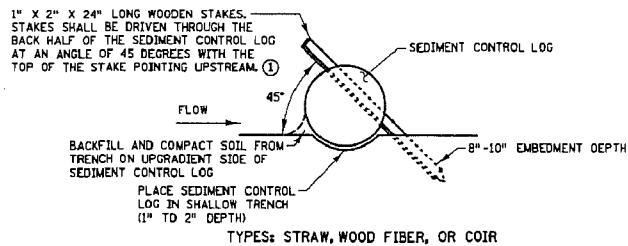
[Signature]
STATE DESIGN ENGINEER

APPROVED: 2-28-2017
REVISOR:
STATE PROJ. NO.

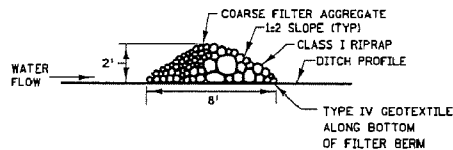
TEMPORARY SEDIMENT CONTROL

SILT CURTAIN OR SILT FENCE TYPE TB

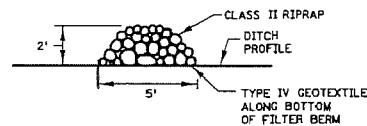
(T.H.) SHEET NO. 11 OF 23 SHEETS



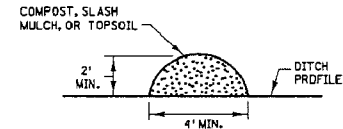
SEDIMENT CONTROL LOGS



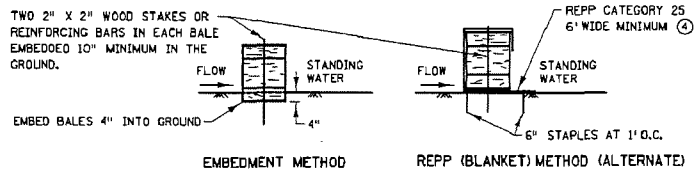
TYPE 3 (ROCK WEEPER)



TYPE 5 (ROCK)
FILTER BERMS



TYPE 1 (COMPOST), TYPE 2 (SLASH MULCH), OR TYPE 4 (TOPSOIL)



BALE BARRIERS ③

NOTES:

REPP = ROLLED EROSION PREVENTION PRODUCT.

SEE SPECS. 2573, 3149, 3874, 3862, 3885, 3886, AND 3897.

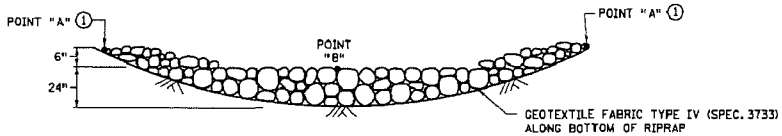
- ① SPACE BETWEEN STAKES SHALL BE A MAXIMUM OF 1' FOR DITCH CHECKS OR 2' FOR OTHER APPLICATIONS.
- ② PLACE STAKES AS NEEDED TO PREVENT MOVEMENT OF SEDIMENT CONTROL LOGS PLACED ON SLOPES OR AS NEEDED DUE TO OTHER FACTORS. STAKES SHALL BE INCIDENTAL.
- ③ TO BE USED FOR CRITICAL PERIMETER CONTROL AREAS WHERE STANDING WATER OCCURS (6" MAXIMUM DEPTH). BALES SHALL CONSIST OF TYPE 1 MULCH OF APPROXIMATELY 14" X 18" X 36" LONG. BALES SHALL BE PLACED ON EDGE AND BUTTED TIGHT TO ADJACENT BALES.
- ④ INSTEAD OF TRENCHING, PLACE BALE ON THE REPP (BLANKET) AND WRAP BLANKET AROUND THE BALE. PLACE STAKE THROUGH BALE AND BLANKET.

REVISION:
APPROVED: JANUARY 8, 2020
Maria Kowalski
MARIA KOWALSKI
CHIEF ENVIRONMENTAL OFFICER

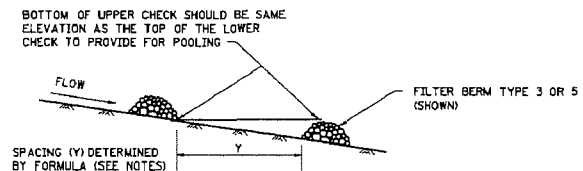
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MINNESOTA
DEPARTMENT
OF
TRANSPORTATION

STANDARD PLAN 5-297.405 2 OF 8
Thomas Attribicki
THOMAS ATTRIBICKI
STATE DESIGN ENGINEER
APPROVED: 1-8-2020
REVISED:

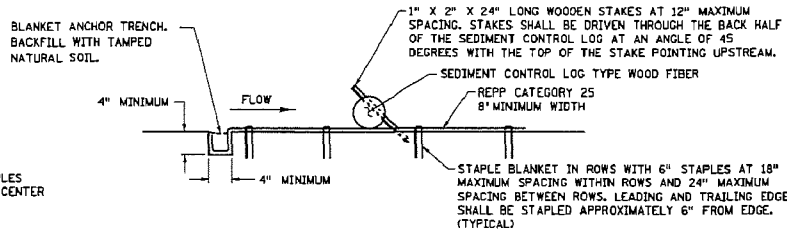
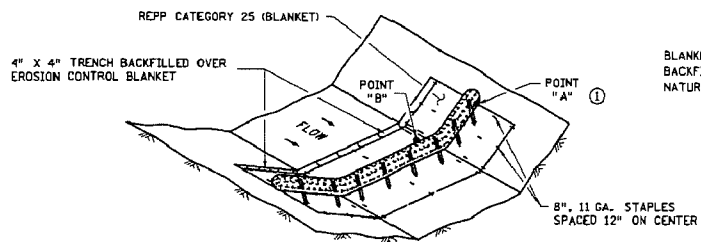
TEMPORARY SEDIMENT CONTROL
FILTER BERMS, SEDIMENT CONTROL LOGS, AND BALE BARRIERS
STATE PROJ. NO. (T.H.) SHEET NO. 12 OF 23 SHEETS



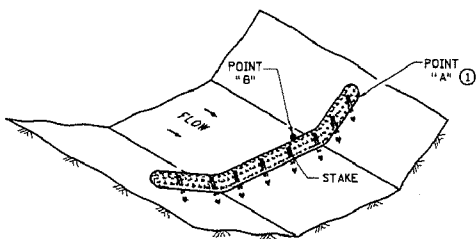
ROCK DITCH CHECKS
 FILTER BERMS TYPE 3 (ROCK WEEPER) OR FILTER TYPE 5 (ROCK) ③
 FOR USE ON ROUGH-GRADED AREAS
 ONLY FOR USE OUTSIDE CLEAR ZONE ②



DITCH CHECK SPACING
 FOR ALL FILTER BERM TYPES



SEDIMENT CONTROL LOG TYPE REPP (BLANKET) SYSTEM ④



SEDIMENT CONTROL LOG TYPE WOOD FIBER, OR TYPE COMPOST ⑤
 FOR USE ON ROUGH GRADED AREAS

NOTES:

REPP = ROLLED EROSION PREVENTION PRODUCT.

SEE SPECS. 2573, 3601, 3733, 3885, 3886 & 3889.

FOR DITCH CHECKS, PLACE SEDIMENT CONTROL LOG PERPENDICULAR TO FLOW AND IN A CRESCENT SHAPE WITH THE ENDS FACING UPSTREAM.

APPROXIMATE SPACING BETWEEN EACH DITCH CHECK SHOULD BE DETERMINED FROM THE FOLLOWING SPACING FORMULA:

$$\text{APPROXIMATE SPACING OF DITCH CHECKS (FT.)} = Y = \frac{\text{DITCH CHECK HEIGHT (FT.)}}{\% \text{ CHANNEL SLOPE}} \times 100$$

① POINT "A" MUST BE A MINIMUM OF 6" HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIXE AND NOT AROUND THE ENDS.

② ROCK DITCH CHECKS PLACED WITHIN THE CLEAR ZONE ARE TO BE 18" OR LESS IN HEIGHT. A 1:6 APPROACH AND DEPARTURE SLOPE SHALL BE PROVIDED.

③ DITCH GRADE 3% - 5%, MAX. FLOW VELOCITY 12 FT./SEC.

④ DITCH GRADE 1.5% - 3%, MAX. FLOW VELOCITY 4.5 FT./SEC.

⑤ DITCH GRADE 1.5% - 3%, MAX. FLOW VELOCITY 1.5 FT./SEC.

REVISION:
 APPROVED: JANUARY 8, 2020
Maren Kamborst
 MAREN KAMBORST
 CHIEF ENVIRONMENTAL OFFICER

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 MINNESOTA
 DEPARTMENT
 OF
 TRANSPORTATION

STANDARD PLAN 5-297.405 3 OF 8

Thomas Atchuck
 THOMAS ATCHUCK
 STATE DESIGN ENGINEER

APPROVED: 1-8-2020
 REVISED:

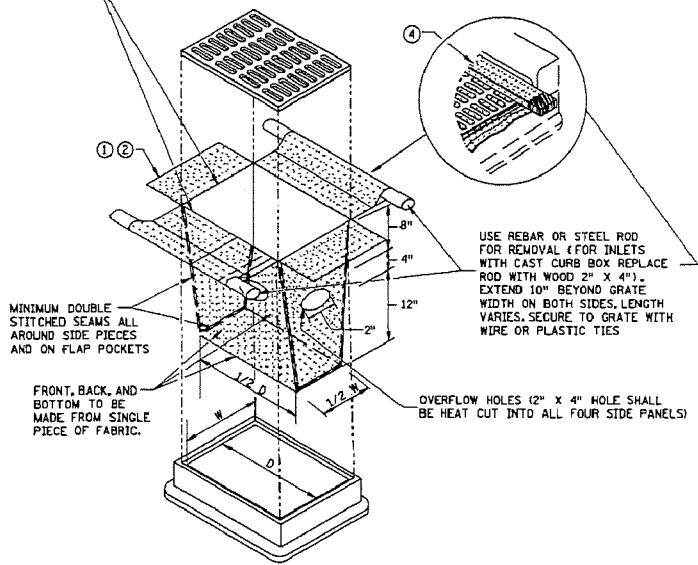
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TEMPORARY SEDIMENT CONTROL

DITCH CHECK

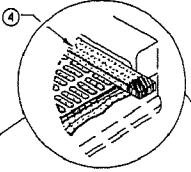
(T.H.) SHEET NO. 13 OF 23 SHEETS

INLET SPECIFICATIONS AS PER THE PLAN DIMENSION LENGTH AND WIDTH TO MATCH FLAP POCKET



MINIMUM DOUBLE STITCHED SEAMS ALL AROUND SIDE PIECES AND ON FLAP POCKETS

FRONT, BACK, AND BOTTOM TO BE MADE FROM SINGLE PIECE OF FABRIC.

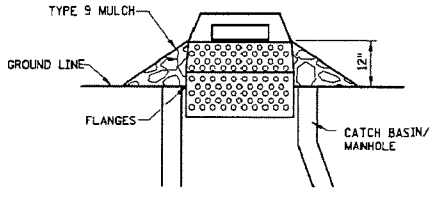


USE REBAR OR STEEL ROD FOR REMOVAL (FOR INLETS WITH CAST CURB BOX REPLACE ROD WITH WOOD 2" X 4"). EXTEND 10" BEYOND GRATE WIDTH ON BOTH SIDES. LENGTH VARIES. SECURE TO GRATE WITH WIRE OR PLASTIC TIES

OVERFLOW HOLES (2" X 4" HOLE SHALL BE HEAT CUT INTO ALL FOUR SIDE PANELS)

FILTER BAG INSERT ③

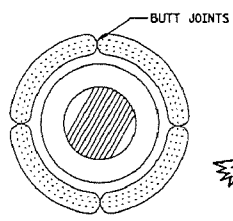
(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX)



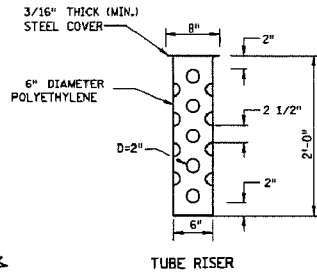
SEDIMENT CONTROL INLET HAT

NOTE: THE SEDIMENT CONTROL BARRIER SHALL BE A METAL OR PLASTIC/POLYETHYLENE RISER SIZED TO FIT INSIDE THE CATCH BASIN/MANHOLE. HAVE PERFORATIONS TO ALLOW FOR WATER INFILTRATION. HAVE AN OVERFLOW OPENING, FLANGES AND A LID/COVER.

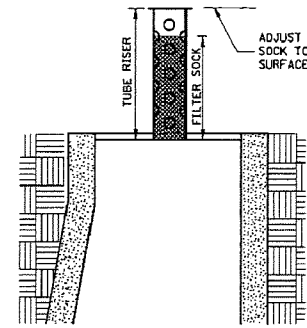
ENDS SECURELY CLOSED TO PREVENT LOSS OF OPEN GRADED AGGREGATE FILL. SECURED WITH 50 PSI. ZIP TIE.



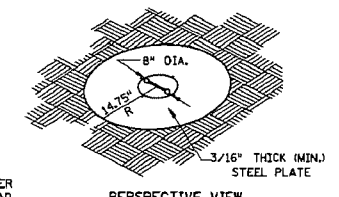
ROCK LOG/COMPOST LOG



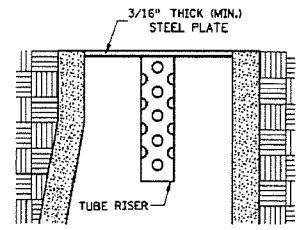
TUBE RISER



SECTION (UP POSITION)

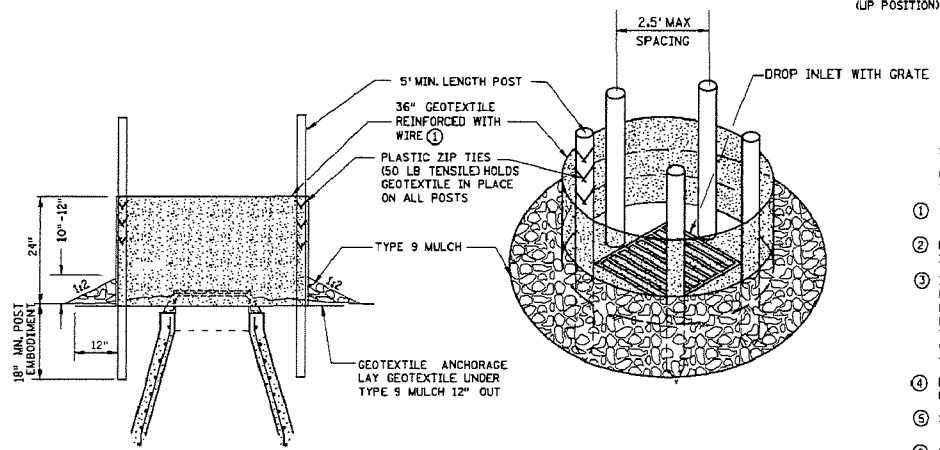


PERSPECTIVE VIEW



SECTION (DOWN POSITION)

POP-UP HEAD



SILT FENCE RING AND ROCK FILTER BERM

USE WHERE INLET DRAINS IN AN AREA WITH SLOPES AT 1:3 OR LESS

NOTES:

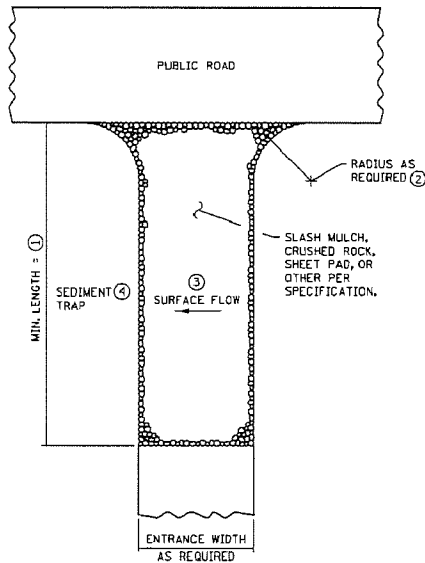
- SEE SPECS. 2573, 3137, & 3886.
- DEVICES MUST BE ADJUSTED ACCORDINGLY AS TO NOT CAUSE FLOODING ON ROADWAY THAT WOULD IMPEDE TRAFFIC FLOW.
- ① ALL GEOTEXTILE USED FOR INLET PROTECTION SHALL BE MONOFILAMENT IN BOTH DIRECTIONS, MEETING SPEC. 3886.
- ② FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED SHALL EXTEND A MINIMUM OF 10 INCHES AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ③ INSTALLATION NOTES: DO NOT PLACE FILTER BAG INSERT IN INLETS SHALLOWER THAN 30 INCHES, MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. THE PLACED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE OF 3 INCHES BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES. WHERE NECESSARY THE CONTRACTOR SHALL CLINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3 INCH SIDE CLEARANCE.
- ④ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2 INCH X 4 INCH OR USE A ROCK SOCK OR SAND BAGS IN PLACE OF THE FLAP POCKETS.
- ⑤ SOCK HEIGHT MUST NOT BE SO HIGH AS TO SLOW DOWN WATER FILTRATION TO CAUSE FLOODING OF THE ROADWAY.
- ⑥ GEOTEXTILE SOCK BETWEEN 4-10 FEET LONG AND 4-6 INCH DIAMETER. SEAM TO BE JOINED BY TWO ROWS OF STITCHING WITH A PLASTIC MESH BACKING OR PROVIDE A HEAT BONDED SEAM (OR APPROVED EQUIVALENT). FILL ROCK LOG WITH OPEN GRADED AGGREGATE CONSISTING OF SOUND DURABLE PARTICLES OF COARSE AGGREGATE CONFORMING TO SPEC. 3137 TABLE 3137-11 CA-3 GRADATION.

REVISION:
APPROVED: 2-28-2017
<i>[Signature]</i>
CHIEF ENVIRONMENTAL OFFICER

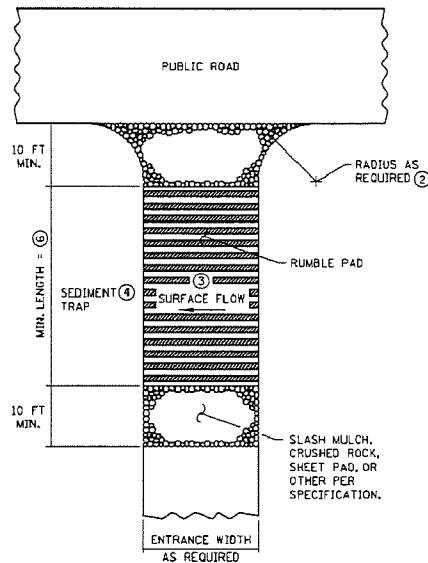


STANDARD PLAN 5-297.405	4 OF 8
APPROVED: 2-28-2017	REVISOR:
<i>[Signature]</i>	STATE DESIGN ENGINEER
STATE PROJ. NO.	

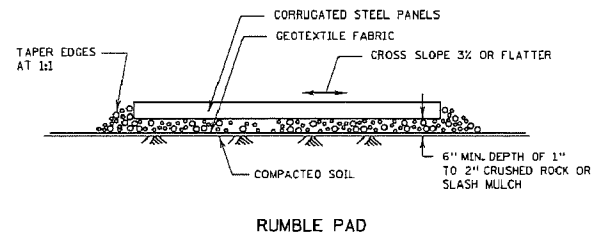
TEMPORARY SEDIMENT CONTROL	
STORM DRAIN INLET PROTECTION	
(T.H.)	SHEET NO. 14 OF 23 SHEETS



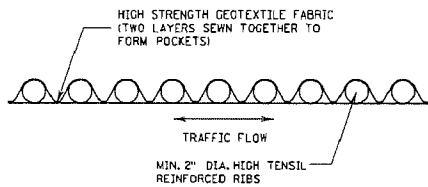
SLASH MULCH, CRUSHED ROCK, OR SHEET PAD CONSTRUCTION EXIT (5)(7)



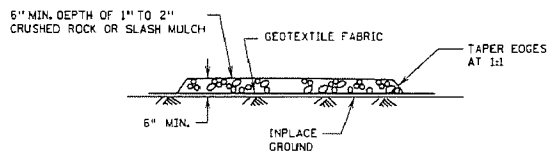
RUMBLE PAD CONSTRUCTION EXIT (5)(7)



RUMBLE PAD



SHEET PAD



SLASH MULCH OR CRUSHED ROCK

NOTES:

SEE SPECS. 2573 & 3882.

- ① MINIMUM LENGTH SHALL BE THE GREATER OF 50 FEET OR A LENGTH SUFFICIENT TO ALLOW A MINIMUM OF 5 TIRE ROTATIONS ON THE PROVIDED PAD. MINIMUM LENGTH SHALL BE CALCULATED USING THE LARGEST TIRE WHICH WILL BE USED IN TYPICAL OPERATIONS.
- ② PROVIDE RADIUS OR WIDEN PAD SUFFICIENTLY TO PREVENT VEHICLE TIRES FROM TRACKING OFF OF PAD WHEN LEAVING SITE.
- ③ IF RUNOFF FROM DISTURBED AREAS FLOWS TOWARD CONSTRUCTION EXITS, PREVENT RUNOFF FROM DRAINING DIRECTLY TO PUBLIC ROAD OVER CONSTRUCTION EXIT BY CROWNING THE EXIT OR SLOPING TO ONE SIDE. IF SURFACE GRADING IS INSUFFICIENT, PROVIDE OTHER MEANS OF INTERCEPTING RUNOFF.
- ④ IF RUNOFF FROM CONSTRUCTION EXITS WILL DRAIN OFF OF PROJECT SITE, PROVIDE SEDIMENT TRAP WITH STABILIZED OVERFLOW.
- ⑤ IF A TIRE WASH OFF IS REQUIRED THE CONSTRUCTION EXITS SHALL BE GRADED TO DRAIN THE WASH WATER TO A SEDIMENT TRAP.
- ⑥ MINIMUM LENGTH OF RUMBLE PAD SHALL BE 20 FEET, OR AS REQUIRED TO REMOVE SEDIMENT FROM TIRES. IF SIGNIFICANT SEDIMENT IS TRACKED FROM THE SITE, THE RUMBLE PAD SHALL BE LENGTHENED OR THE DESIGN MODIFIED TO PROVIDE ADDITIONAL VIBRATION, WASH-OFF LENGTH SHALL BE AS REQUIRED TO EFFECTIVELY REMOVE CONSTRUCTION SEDIMENT FROM VEHICLE TIRES.
- ⑦ MAINTENANCE OF CONSTRUCTION EXITS SHALL OCCUR WHEN THE EFFECTIVENESS OF SEDIMENT REMOVAL HAS BEEN REDUCED. MAINTENANCE SHALL CONSIST OF REMOVING SEDIMENT AND CLEANING THE MATERIALS OR PLACING ADDITIONAL MATERIAL (SLASH MULCH OR CRUSHED ROCK) OVER SEDIMENT FILLED MATERIAL TO RESTORE EFFECTIVENESS.

REVISION:
APPROVED: 2-28-2017
[Signature]
CHIEF ENVIRONMENTAL OFFICER



STANDARD PLAN 5-297.405 5 OF 8

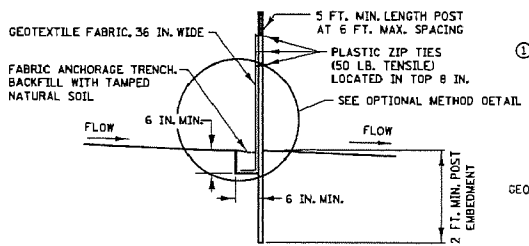
APPROVED: 2-28-2017
REVISOR:
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STATE DESIGN ENGINEER

STATE PROJ. NO.

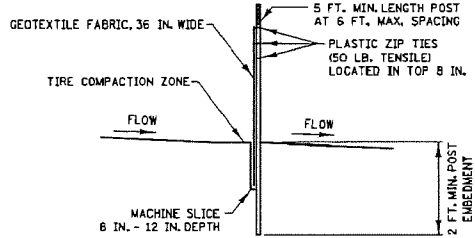
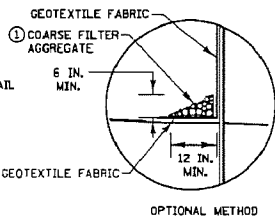
TEMPORARY SEDIMENT CONTROL

STABILIZED CONSTRUCTION EXIT

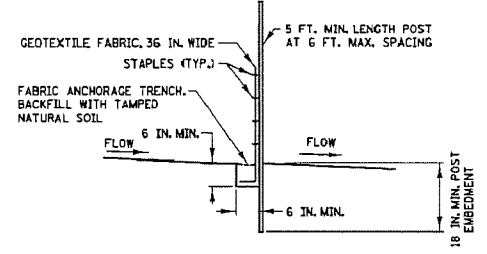
(T.H.) SHEET NO. 15 OF 23 SHEETS



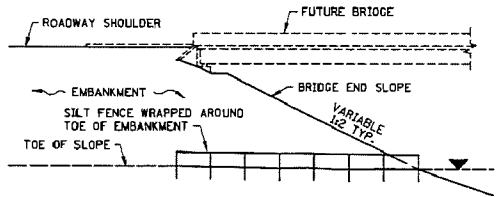
**SILTS FENCE TYPE HI ②
(HAND INSTALLED)**



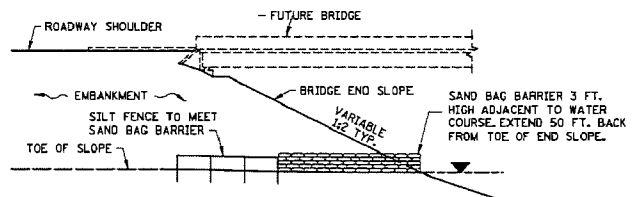
**SILTS FENCE TYPE MS ②
(MACHINE SLICED)**



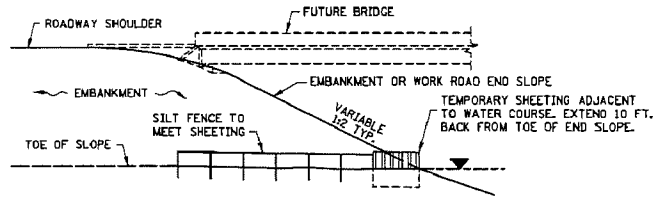
**SILTS FENCE TYPE PA ③
(PREASSEMBLED)**



SILTS FENCE ONLY ④

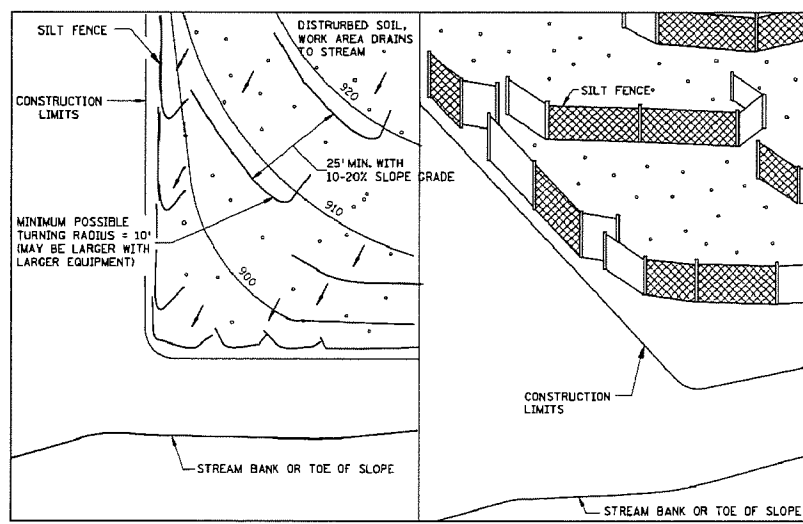


SILTS FENCE WITH SAND BAGS ⑤



SILTS FENCE WITH SHEETING ⑥

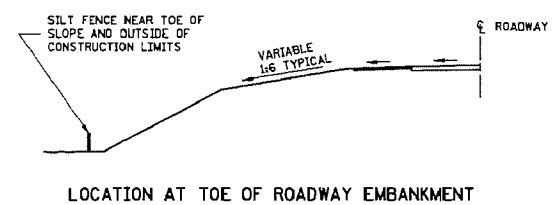
INSTALLATION AT BRIDGE EMBANKMENT ADJACENT TO WATER



PLAN VIEW

PERSPECTIVE VIEW

J-HOOK INSTALLATION



LOCATION AT TOE OF ROADWAY EMBANKMENT

NOTES:

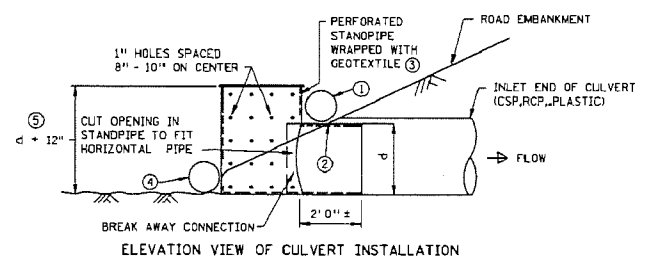
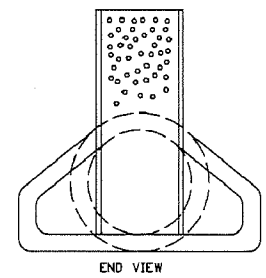
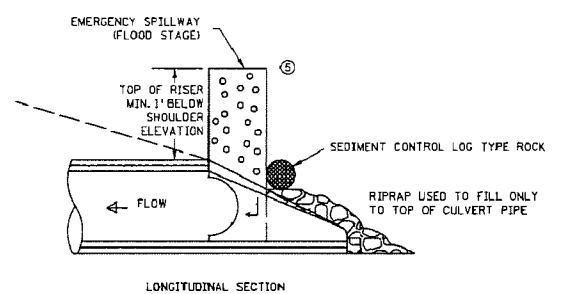
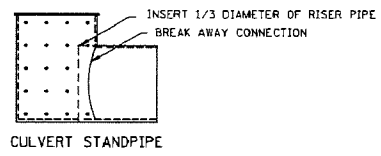
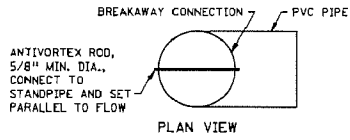
- SEE SPECS. 2573, 3149 & 3086.
- ① COARSE FILTER AGGREGATE (SPEC. 3149) SHALL BE INCIDENTAL.
- ② TO PROTECT AREAS FROM SHEET FLOW. MAXIMUM CONTRIBUTING AREA: 1 ACRE.
- ③ TO PROTECT AREAS FROM SHEET FLOW. MAXIMUM CONTRIBUTING AREA: 0.25 ACRE.
- ④ WATER COURSE FLOW VELOCITY: STANDING. CONTRIBUTING SLOPE AREA: 1/2 ACRE.
- ⑤ WATER COURSE FLOW VELOCITY: 1 TO 7 FT./SEC. CONTRIBUTING SLOPE AREA: 1 ACRE.
- ⑥ WATER COURSE FLOW VELOCITY: 8 TO 15 FT./SEC. CONTRIBUTING SLOPE AREA: 3 ACRES.

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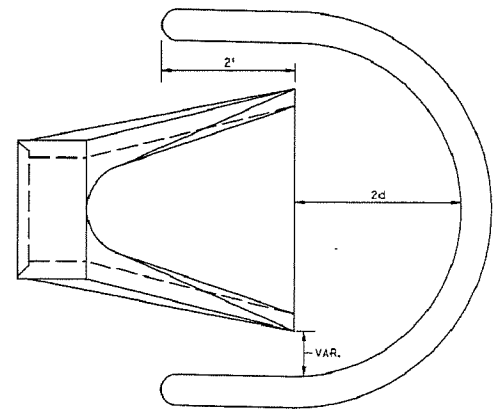
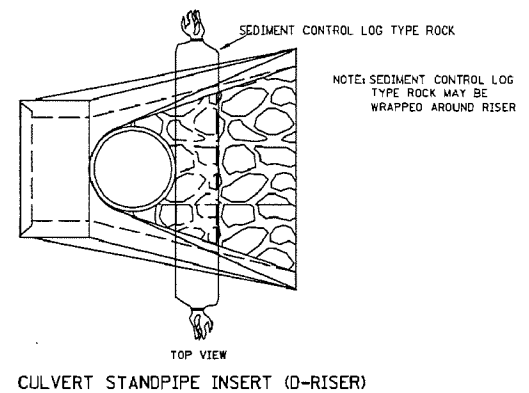
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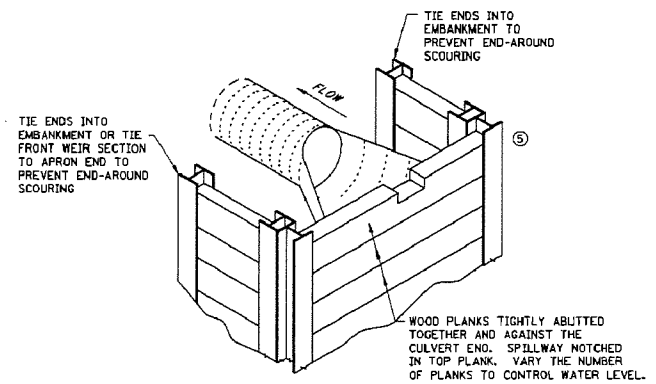
TEMPORARY SEDIMENT CONTROL
SILTS FENCE
(T.H.) SHEET NO. 16 OF 23 SHEETS



CULVERT STANDPIPE INSERT (D-RISER)
d = CULVERT SIZE: 12" - 36"



SEDIMENT CONTROL LOG WEIR
(COMPOST, WOOD CHIP, OR ROCK)
d = CULVERT SIZE: 12" - 36"



WOOD PLANK WEIR

- NOTES:
- SEE SPECS. 2573, 3891 & 3893.
 - FOR USE WHEN TEMPORARY PONDING IS NEEDED IN DITCH SECTIONS FOR SEDIMENT CONTROL.
 - MANUFACTURED ALTERNATIVES LISTED ON MnDOT'S APPROVED PRODUCTS LIST MAY BE SUBSTITUTED AT NO ADDITIONAL COST.
 - ① ROCK LOG OR SANDBAG TO HOLD STANDPIPE AND ACT AS A SEAL BETWEEN RISER PIPE AND CULVERT.
 - ② PLACE CULVERT APRON AND SLIDE TEMPORARY STANDPIPE INTO CSP OR RCP CULVERT.
 - ③ ALL GEOTEXTILE USED FOR CULVERT PROTECTION SHALL BE MONOFILAMENT IN BOTH DIRECTIONS, MEETING SPEC. 3886 FOR MACHINE SLICED.
 - ④ ROCK LOG OR RIP RAP TO HOLD STANDPIPE AND ACT AS A FILTER BETWEEN RISER PIPE AND CULVERT.
 - ⑤ HEIGHT OVERFLOW NOT TO CAUSE FLOODING OF ROAD OR ADJACENT PROPERTIES.

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STANDARD PLAN 5-297.405 8 OF 8

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STATE PROJ. NO.

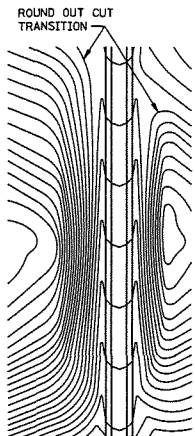
TEMPORARY SEDIMENT CONTROL

CULVERT END CONTROLS

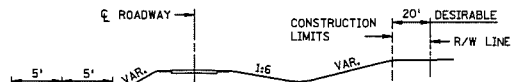
(T.H.) SHEET NO. 17 OF 23 SHEETS

PLOTTED/REVISED: 4-APR-2018

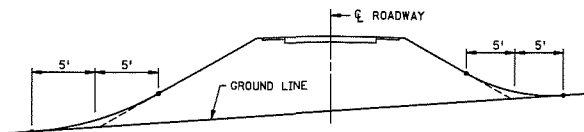
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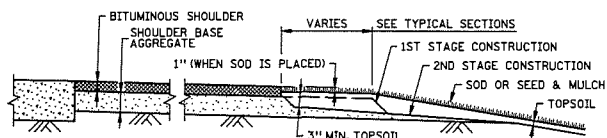
CONTOURING ROAD CUTS



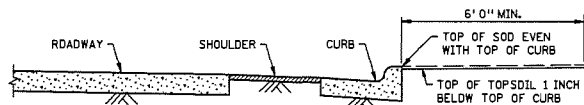
ROUNDING SHOULDERS AND BACKSLOPES



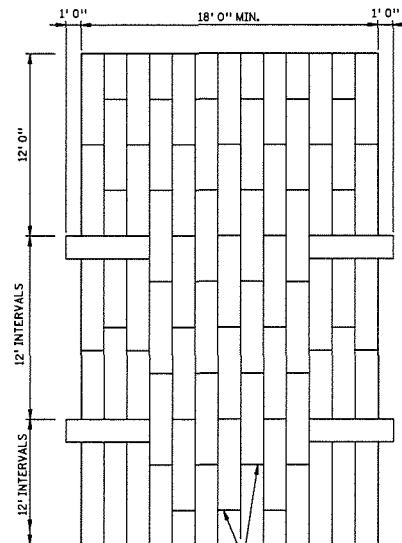
SHAPING FOR DRAINAGE ALONG THE TOE OF FILL SLOPES



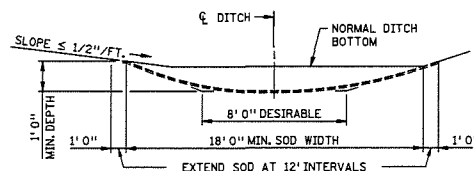
SHAPING AND TOPSOILING INSLOPES



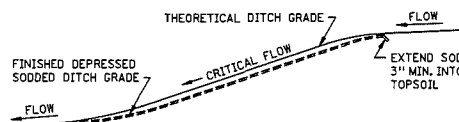
SHAPING ADJACENT TO CURBS WHEN SOD IS PLACED



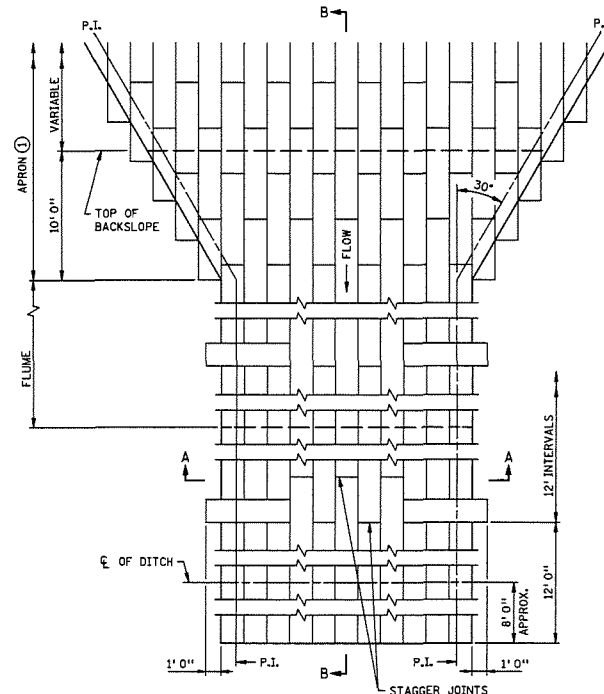
PLAN VIEW



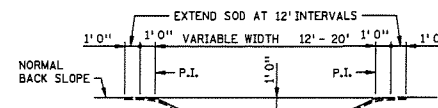
SODDED DITCH CROSS SECTION WHERE FRONT OR BACK SLOPE IS FLAT (LESS THAN 1/2"/FT.), FIRST NOTCH DITCH AND THEN PROVIDE ROUNDING.



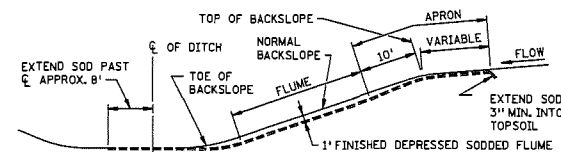
DITCH PROFILE SODDED DITCH DETAILS



PLAN VIEW



SECTION A-A



SECTION B-B SODDED FLUME DETAILS

NOTES:
 SEE SPEC. 2575.3 FOR ADDITIONAL INFORMATION.
 ① CONSTRUCT TAPER AS DIRECTED BY THE ENGINEER.

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 REVISED:
 STATE DESIGN ENGINEER

PERMANENT EROSION CONTROL
 ALONG ROADWAYS, DITCHES AND FLUMES

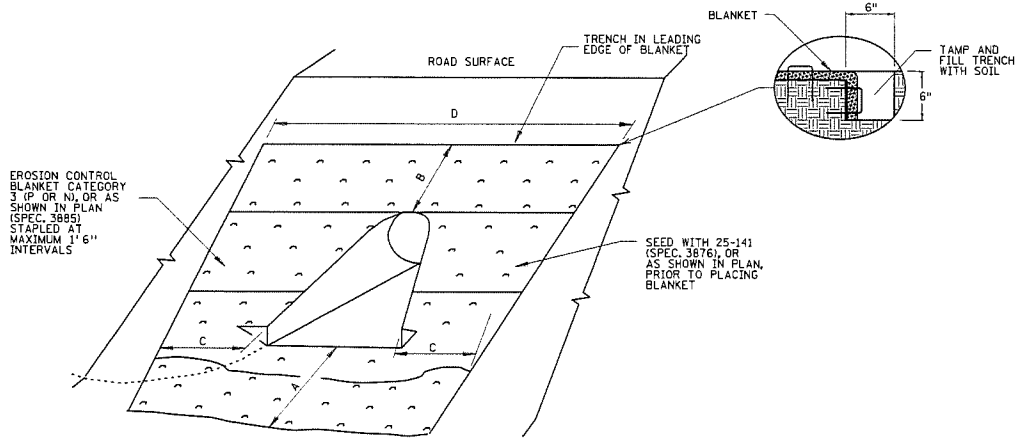
S.A.P. 197-124-004 S.P. 0208-143 (TH 65)

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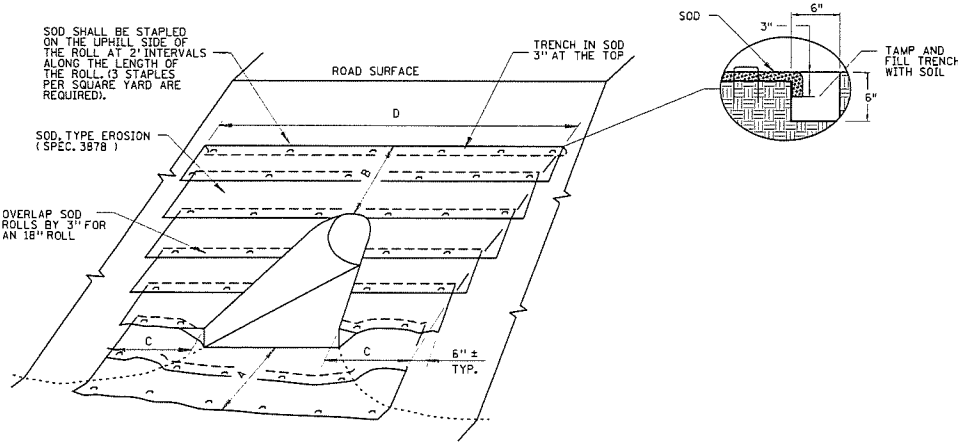
(T.H.) SHEET NO. 18 OF 23 SHEETS

PLOTTED/REVISED: 4-APR-2018

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EROSION CONTROL BLANKET & SEED DETAIL



SODDING DETAIL

CULVERT DIAMETER ②	SOD OR EROSION CONTROL BLANKET (SQ. YDS.)						"A"	"B"	"C"	"D"
	CIRCULAR AND ARCH PIPE METAL APRON (PLATE 3122)	CIRCULAR AND ARCH PIPE CONCRETE APRON (PLATE 3100, PLATE 3110)	CIRCULAR AND ARCH PIPE METAL SAFETY APRON (PLATE 3148)	CIRCULAR AND ARCH PIPE METAL SAFETY APRON (PLATE 3148)	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON (PLATE 3128)	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON (PLATE 3128)				
	1:4 SLOPE	1:4 SLOPE	1:6 SLOPE	1:6 SLOPE	1:4 SLOPE	1:4 SLOPE				
15"	9	9	8	8	N/A	3'	1.5'	3'	13'	
18"	13	12	12	14	16	N/A	3'	3'	16'	
21"	14	14	14	16	18	14	3'	3'	17'	
24"	16	15	16	19	21	17	3'	3'	18'	
27"	N/A	20	N/A	N/A	N/A	N/A	3'	4.5'	3'	20'
30"	23	22	25	30	32	N/A	3'	4.5'	3'	22'
36"	34	34	39	48	51	37	4.5'	4.5'	4.5'	27'
42"	43	40	51	64	N/A	N/A	4.5'	6'	4.5'	30'
48"	54	50	66	82	N/A	N/A	4.5'	7.5'	4.5'	34'
54"	65	58	81	102	N/A	N/A	4.5'	9'	4.5'	37'
60"	69	59	91	115	N/A	N/A	4.5'	9'	4.5'	39'
66"	69	63	N/A	N/A	N/A	N/A	4.5'	9'	4.5'	39'
72"	78	72	99	122	N/A	N/A	4.5'	10.5'	4.5'	41'

CULVERT DIAMETER ②	SOD OR EROSION CONTROL BLANKET (SQ. YDS.)						"A"	"B"	"C"	"D"
	CIRCULAR AND ARCH PIPE METAL APRON (PLATE 3122)	CIRCULAR AND ARCH PIPE CONCRETE APRON (PLATE 3100, PLATE 3110)	CIRCULAR AND ARCH PIPE METAL SAFETY APRON (PLATE 3148)	CIRCULAR AND ARCH PIPE METAL SAFETY APRON (PLATE 3148)	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON (PLATE 3128)	CIRCULAR CORRUGATED METAL PIPE SAFETY APRON (PLATE 3128)				
	1:4 SLOPE	1:4 SLOPE	1:6 SLOPE	1:6 SLOPE	1:4 SLOPE	1:4 SLOPE				
15"	10	10	9	10	N/A	N/A	4.5'	1.5'	3'	13'
18"	13	13	12	14	15	N/A	6'	1.5'	3'	14'
21"	16	14	16	18	19	15	6'	1.5'	3'	15'
24"	18	18	18	21	22	18	7.5'	1.5'	3'	16'
27"	N/A	19	N/A	N/A	N/A	N/A	7.5'	1.5'	3'	17'
30"	23	23	24	28	29	N/A	9'	1.5'	3'	18'
36"	36	35	38	47	48	37	10.5'	1.5'	4.5'	23'
42"	43	40	47	58	N/A	N/A	12'	1.5'	4.5'	26'
48"	50	46	57	70	N/A	N/A	13.5'	1.5'	4.5'	27'
54"	57	50	67	84	N/A	N/A	15'	1.5'	4.5'	29'
60"	74	63	90	113	N/A	N/A	16.5'	1.5'	6'	33'
66"	75	67	N/A	N/A	N/A	N/A	16.5'	1.5'	6'	33'
72"	77	70	92	114	N/A	N/A	16.5'	1.5'	6'	34'

NOTES:
 AREA SHOWN IN SQUARE YARDS IS FOR ONE CULVERT END.
 QUANTITIES ARE CALCULATED TO INCLUDE SOD REQUIRED TO PROVIDE A 3" OVERLAP ON ALL 18" WIDE ROLLS. THIS ALLOWS FOR SHRINKAGE OF THE SOD.
 FOR PIPE ARCHES USE EQUIVALENT PIPE DIAMETER TO APPROXIMATE AREA.
 FOR CORRUGATED POLYETHYLENE PIPE METAL APRON (PLATE 3129), USE THE METAL APRON COLUMN (PLATE 3123).
 AREAS AND DIMENSIONS ARE APPROXIMATE AND ARE BASED ON APRON SIDE SLOPES OF NO STEEPER THAN 1:2, UNLESS INDICATED AS FOR SAFETY APRONS.
 CARE SHOULD BE TAKEN IN SELECTING SOD TO STABILIZE THE APRON. RIP-RAP SHOULD BE USED FOR FLOW VELOCITIES GREATER THAN 6 FPS.
 ① ADDITIONAL QUANTITIES MAY BE SHOWN IN THE PLAN OR REQUIRED BY THE ENGINEER.
 ② FOR ARCH PIPE USE CLOSEST CIRCULAR PIPE DIAMETER AND APRON SLOPE. (DIAMETERS LARGER THAN 72" REQUIRE SPECIAL DESIGNS.)

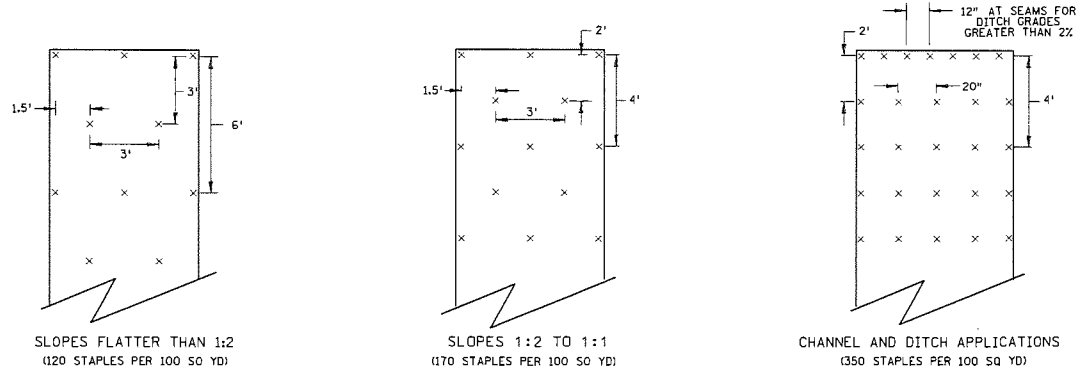
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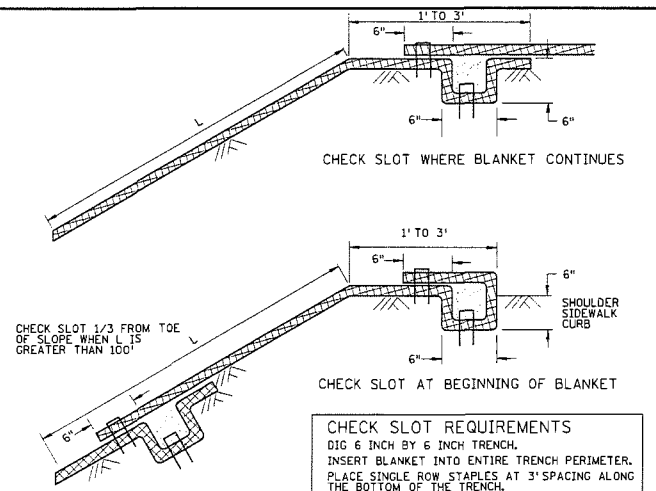
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 STATE PROJ. NO.

PERMANENT EROSION CONTROL
 TURF ESTABLISHMENT DETAIL AT CULVERT ENDS
 (T.H.) SHEET NO. 19 OF 23 SHEETS

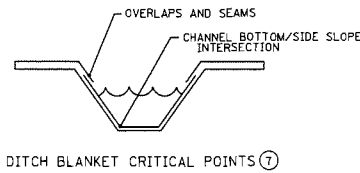
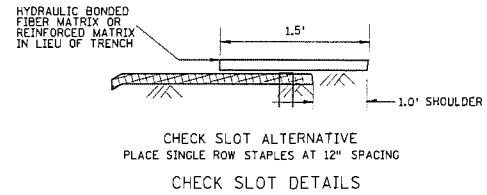
S.A.P. 197-124-004 S.P. 0208-143 (TH 65)



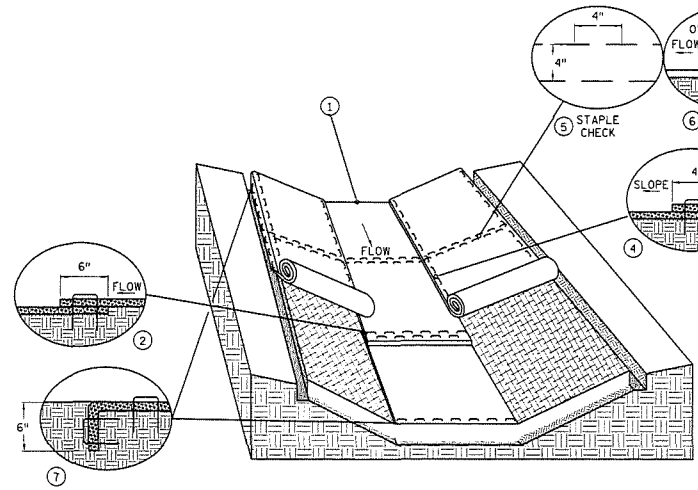
BLANKET STAPLE PATTERN



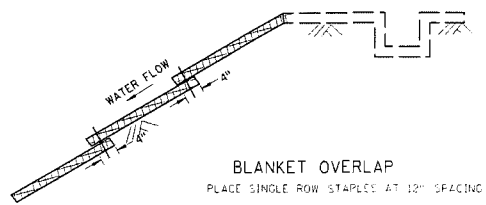
CHECK SLOT REQUIREMENTS
 DIG 6 INCH BY 6 INCH TRENCH.
 INSERT BLANKET INTO ENTIRE TRENCH PERIMETER.
 PLACE SINGLE ROW STAPLES AT 3' SPACING ALONG THE BOTTOM OF THE TRENCH.
 BACKFILL TRENCH WITH SOIL AND TAMP.
 PLACE SINGLE ROW STAPLES AT 3' SPACING ON OVERLAP.



- DITCH BLANKET STAPLE DETAIL NOTES**
- 1 USE CHECK SLOT DETAIL (NO ALTERNATES).
 - 2 PLACE DOUBLE ROW OF STAPLES STAGGERED 4" APART AND 4" ON CENTER.
 - 3 USE 6" X 6" TRENCH TO PLACE BLANKET. PLACE SINGLE ROW OF STAPLES ON TOP AND TRENCH SIDES AT 12" SPACING. BACKFILL TRENCH WITH SOIL AND TAMP.
 - 4 PLACE SINGLE ROW OF STAPLES AT 12" SPACING.
 - 5 USE STAPLE CHECK FOR CHANNEL SLOPES LESS THAN 2.5% GRADE AT 100 FOOT INTERVALS. PLACE DOUBLE ROW OF STAPLES STAGGERED 4" APART AND AT 4" SPACING.
 - 6 USE BLANKET CHECKS FOR THE FOLLOWING SLOPES:
 2.5%-3% 50 FT INTERVALS
 3%-5% 25 FT INTERVALS
 5%-7% 25 FT INTERVALS
 - 7 CRITICAL POINTS SHALL BE SECURED WITH PROPER STAPLE PATTERNS.



DITCH BLANKET STAPLE DETAIL



GENERAL BLANKET INSTALLATION REQUIREMENTS
 PREPARE SOIL AS PER SPECIFICATION 2574.
 LAY PARALLEL OR PERPENDICULAR TO THE DIRECTION OF WATER FLOW.
 OVERLAP ADJACENT STRIP EDGES A MINIMUM OF 4 INCHES.
 OVERLAP BLANKET 6" (MIN.) AT EACH END. OVERLAP BOTTOM END OF UPPER BLANKET OVER TOP END OF LOWER BLANKET. STAPLE ALONG OVERLAP EVERY 1.5'.
 THE UPPERMOST BLANKET OF ALL SLOPE APPLICATIONS MUST START IN A CHECK SLOT. IF SLOPE LENGTH (L) IS 100' OR GREATER, INSERT BLANKET INTO A CHECK SLOT 1/3 FROM THE BOTTOM OF THE SLOPE.

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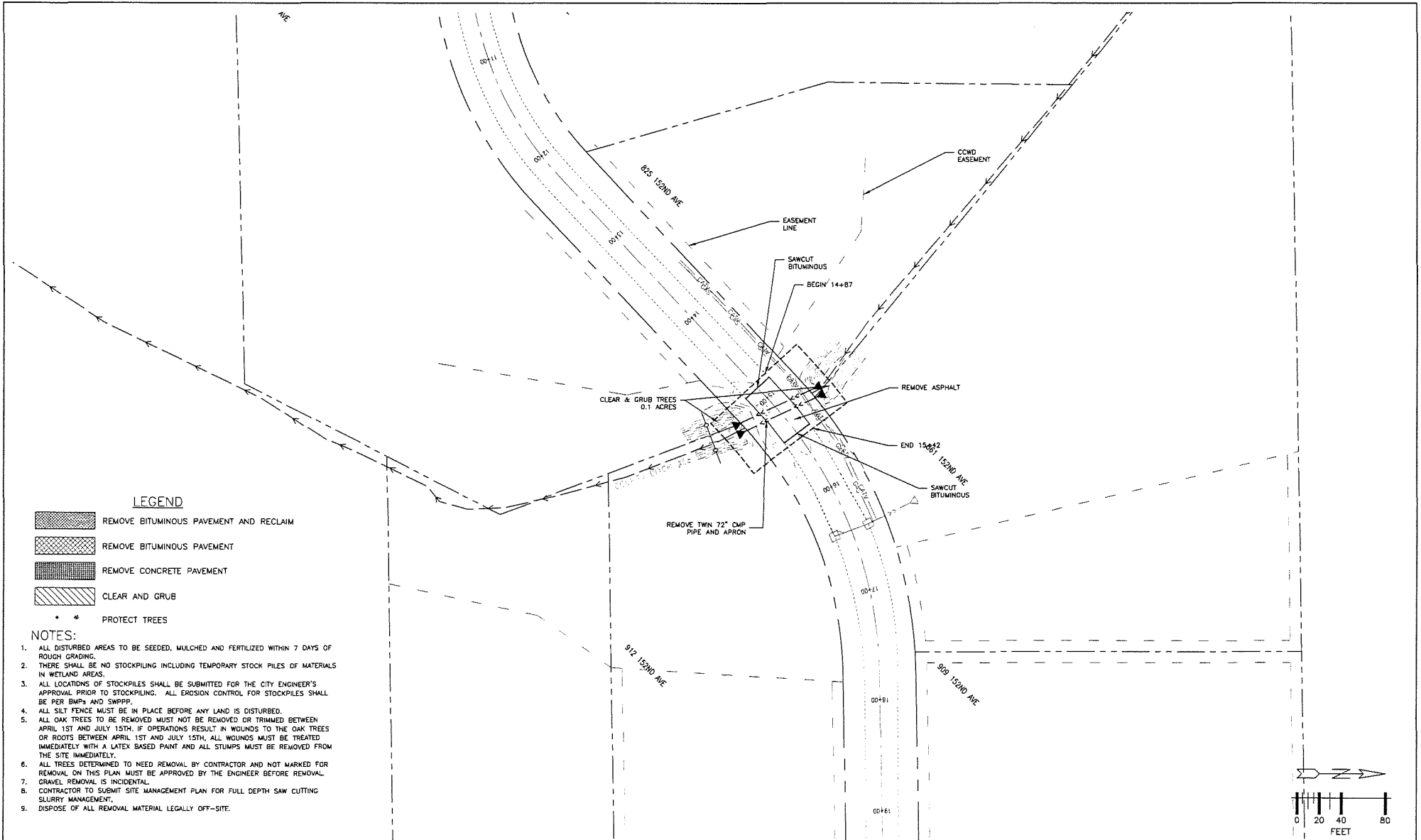
 CHIEF ENVIRONMENTAL OFFICER

MINNESOTA DEPARTMENT OF TRANSPORTATION






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 STANDARD PLAN 5-297.404 3 OF 3
 APPROVED: 2-28-2017
 REVISED:
 STATE PROJ. NO.

PERMANENT EROSION CONTROL
BLANKET STAPLE PATTERN FOR SLOPES
 (T.H.) SHEET NO. 20 OF 23 SHEETS

S.A.P. 197-124-004 SP. 0208-143 (TH 65)

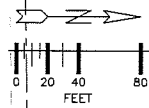


LEGEND

-  REMOVE BITUMINOUS PAVEMENT AND RECLAIM
-  REMOVE BITUMINOUS PAVEMENT
-  REMOVE CONCRETE PAVEMENT
-  CLEAR AND GRUB
-  * * PROTECT TREES

NOTES:

1. ALL DISTURBED AREAS TO BE SEEDED, MULCHED AND FERTILIZED WITHIN 7 DAYS OF ROUGH GRADING.
2. THERE SHALL BE NO STOCKPILING INCLUDING TEMPORARY STOCK PILES OF MATERIALS IN WETLAND AREAS.
3. ALL LOCATIONS OF STOCKPILES SHALL BE SUBMITTED FOR THE CITY ENGINEER'S APPROVAL PRIOR TO STOCKPILING. ALL EROSION CONTROL FOR STOCKPILES SHALL BE PER BMPs AND SWPPP.
4. ALL SILT FENCE MUST BE IN PLACE BEFORE ANY LAND IS DISTURBED.
5. ALL OAK TREES TO BE REMOVED MUST NOT BE REMOVED OR TRIMMED BETWEEN APRIL 1ST AND JULY 15TH. IF OPERATIONS RESULT IN WOUNDS TO THE OAK TREES OR ROOTS BETWEEN APRIL 1ST AND JULY 15TH, ALL WOUNDS MUST BE TREATED IMMEDIATELY WITH A LATEX BASED PAINT AND ALL STUMPS MUST BE REMOVED FROM THE SITE IMMEDIATELY.
6. ALL TREES DETERMINED TO NEED REMOVAL BY CONTRACTOR AND NOT MARKED FOR REMOVAL ON THIS PLAN MUST BE APPROVED BY THE ENGINEER BEFORE REMOVAL.
7. GRAVEL REMOVAL IS INCIDENTAL.
8. CONTRACTOR TO SUBMIT SITE MANAGEMENT PLAN FOR FULL DEPTH SAW CUTTING SLURRY MANAGEMENT.
9. DISPOSE OF ALL REMOVAL MATERIAL LEGALLY OFF-SITE.



DATE	REVISION HISTORY

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER IN THE STATE OF MINNESOTA.

PURPOSE: _____

DATE: _____ REG. NO.: _____

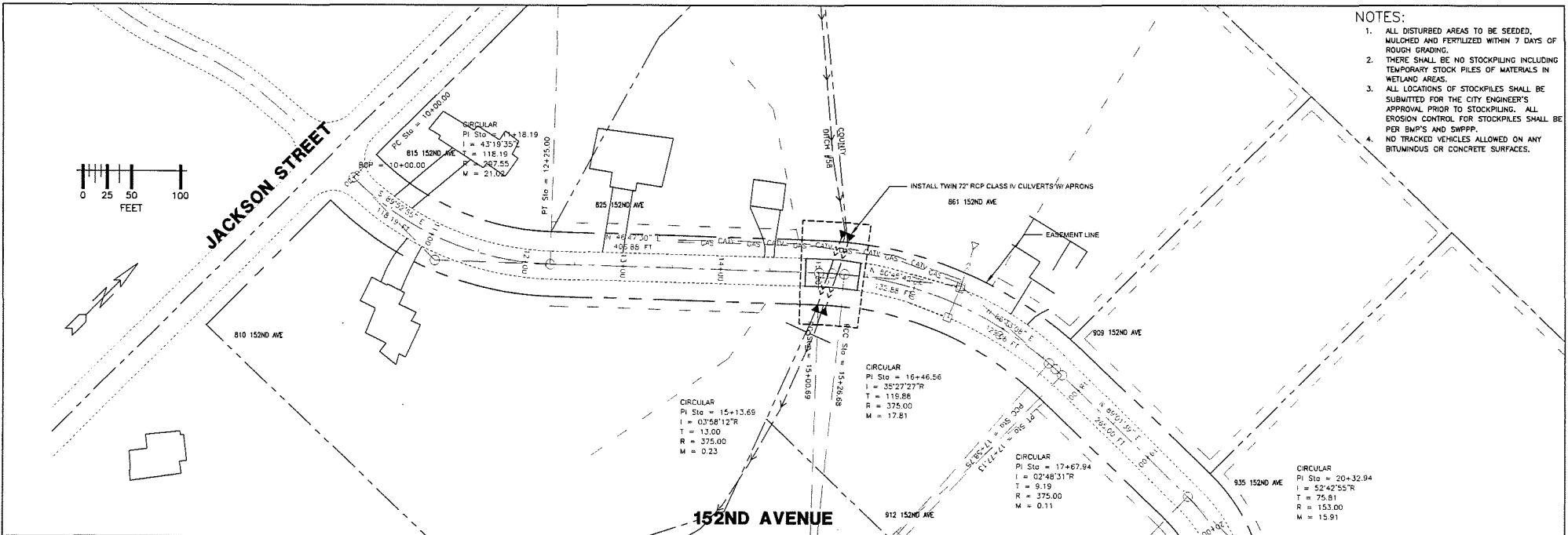
RFC ENGINEERING, INC.
Consulting Engineers

13635 Johnson Street
 Horn Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

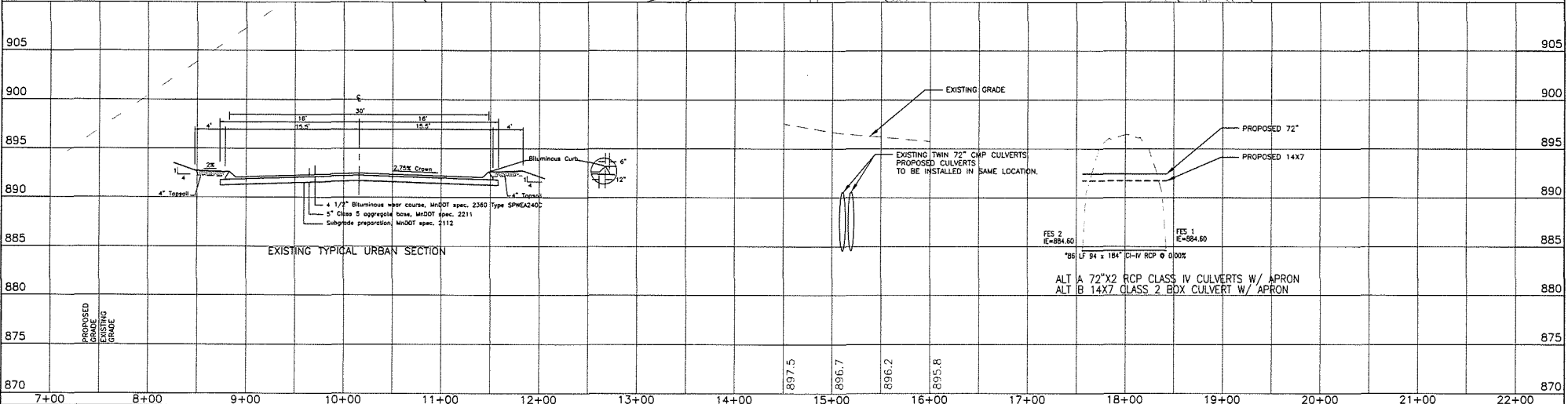
COUNTY DITCH #58 CROSS CULVERTS

DESIGN BY: DAK DRAWN BY: JAE CHECKED BY: TPC FILE: 32-1-170

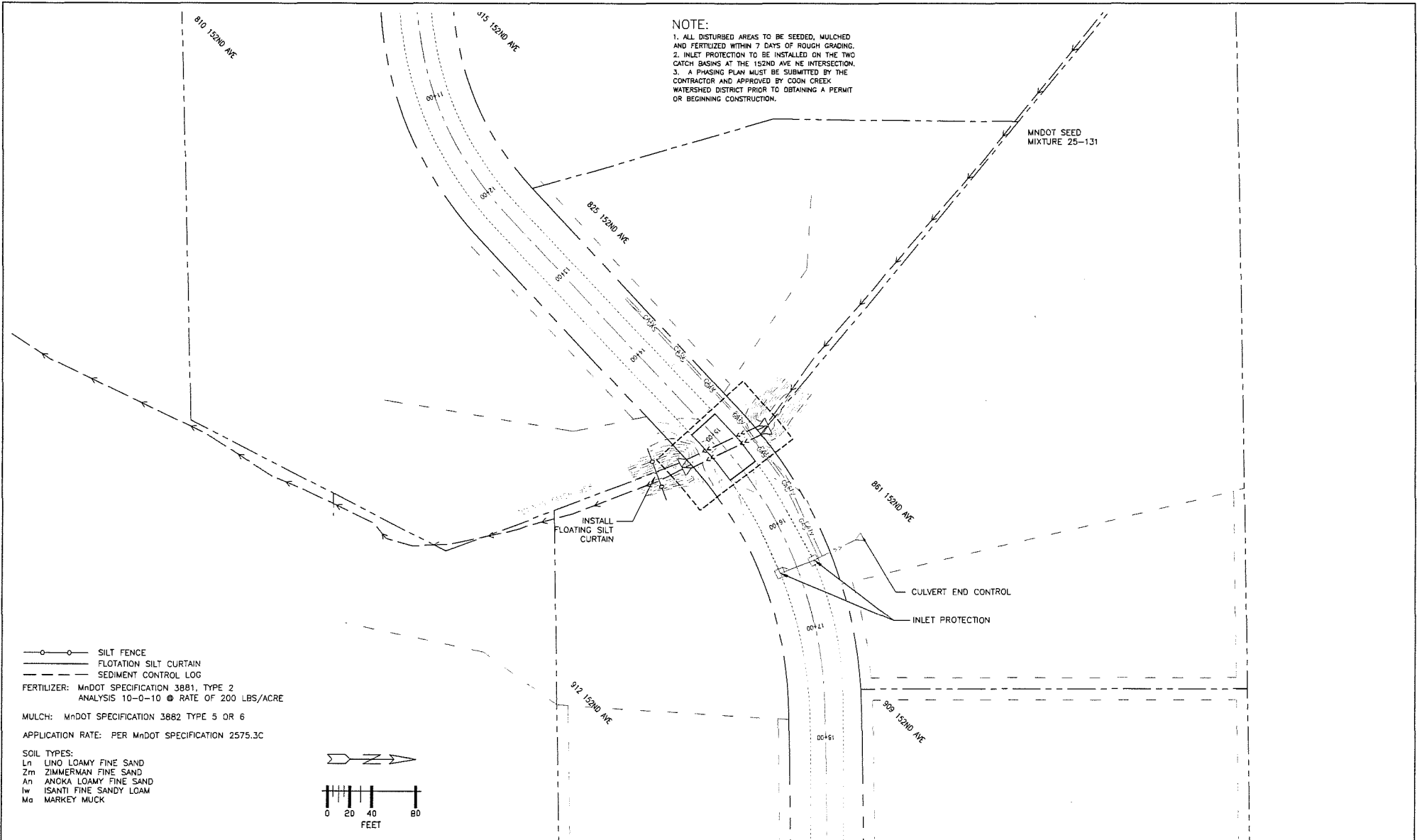
DWG: 2302-038 REMOVE1
 DATE: 08/28/23
 JOB NUMBER: 2302.038
 SHEET: 21 OF 23



- NOTES:**
1. ALL DISTURBED AREAS TO BE SEED, MULCHED AND FERTILIZED WITHIN 7 DAYS OF ROUGH GRADING.
 2. THERE SHALL BE NO STOCKPILING INCLUDING TEMPORARY STOCK PILES OF MATERIALS IN WETLAND AREAS.
 3. ALL LOCATIONS OF STOCKPILES SHALL BE SUBMITTED FOR THE CITY ENGINEER'S APPROVAL PRIOR TO STOCKPILING. ALL EROSION CONTROL FOR STOCKPILES SHALL BE PER BMP'S AND SWPPP.
 4. NO TRACKED VEHICLES ALLOWED ON ANY BITUMINOUS OR CONCRETE SURFACES.



<p>800-252-1166 651-454-0002 PL01 0a TE 6/26/2022 10:27</p>	DATE	REVISION HISTORY	<p>I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY THE ENGINEER MY DIRECT SUPERVISOR OR UNDER MY DIRECT SUPERVISION AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.</p> <p>PURPOSE OF REVIEW ONLY</p>	<p>RFC ENGINEERING, INC. Consulting Engineers</p> <p>13635 Johnson Street Horn Lake, MN 55304 Telephone 763-862-8000 Fax 763-862-8042</p>	<p>COUNTY DITCH #58 CROSS CULVERTS</p> <p>PLAN AND PROFILE</p>	DWG: RCP01900
						DATE: 08/28/23
						JOB NUMBER: 2302.038
						SHEET: 22 OF 23
						FILE: 32-1-171

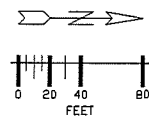


NOTE:
 1. ALL DISTURBED AREAS TO BE SEEDED, MULCHED AND FERTILIZED WITHIN 7 DAYS OF ROUGH GRADING.
 2. INLET PROTECTION TO BE INSTALLED ON THE TWO CATCH BASINS AT THE 152ND AVE NE INTERSECTION.
 3. A PHASING PLAN MUST BE SUBMITTED BY THE CONTRACTOR AND APPROVED BY COON CREEK WATERSHED DISTRICT PRIOR TO OBTAINING A PERMIT OR BEGINNING CONSTRUCTION.

MNDOT SEED MIXTURE 25-131

○—○ SILT FENCE
 — FLOTATION SILT CURTAIN
 - - - SEDIMENT CONTROL LOG
 FERTILIZER: MNDOT SPECIFICATION 3881, TYPE 2
 ANALYSIS 10-0-10 @ RATE OF 200 LBS/ACRE
 MULCH: MNDOT SPECIFICATION 3882 TYPE 5 OR 6
 APPLICATION RATE: PER MNDOT SPECIFICATION 2575.3C

SOIL TYPES:
 Ln LINO LOAMY FINE SAND
 Zm ZIMMERMAN FINE SAND
 An ANOKA LOAMY FINE SAND
 lw ISANTI FINE SANDY LOAM
 Ma MARKEY MUCK



SOPHER STATE
ONE CALL
 800-252-1166 651-454-0002

DATE	REVISION HISTORY

HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MINNESOTA.
 DATE: _____ REG. NO. _____

RFC ENGINEERING, INC.
Consulting Engineers
 13635 Johnson Street
 Ham Lake, MN 55304
 Telephone 763-862-8000
 Fax 763-862-8042

COUNTY DITCH #58 CROSS CULVERTS
 STORM WATER POLLUTION PREVENTION PLAN
 DWG: 2302-038 SWPPP1
 DATE: 08/28/23
 JOB NUMBER: 2302.038
 SHEET: 23 OF 23
 FILE: 32-1-172

DESIGN BY: DAK DRAWN BY: JAE CHECKED BY: TPC

Memorandum

Date: September 12, 2023
To: Mayor and Councilmembers
From: Tom Collins, City Engineer *TPC*
Subject: Proposed lot line adjustment – 4611 139th Lane and 36-32-23-21-0004

Introduction:

A lot line adjustment is proposed between the 10.00-acre 4611 139th Lane (36-32-23-21-0002) parcel and the 27.33-acre 36-32-23-21-0004 parcel. The proposed lot line adjustment will increase the 36-32-23-21-0004 parcel by 6.18 acres to 33.51 acres and decrease the 4611 139th Lane parcel to 3.82 acres. A 400-scale aerial photo is attached.

Discussion:

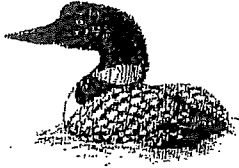
Both parcels are currently zoned Rural Single Family Residential (R-A) per the attached 600-scale zoning map. The resulting 4611 139th Lane parcel will be rezoned to Single Family Residential (R-1). The zoning for the expanded 36-32-23-21-0004 parcel will remain R-A.

Access to the 4611 139th Lane parcel is thru a 66-foot wide ingress/egress driveway easement that is an extension of 138th Avenue east of Ghia Street. A 400-scale half-section is attached that shows the ingress/egress easement. An ingress/egress driveway easement is being dedicated over the east 66-feet of the 4653 138th Avenue parcel to the south, for access to the expanded 36-32-23-21-0004 parcel.

Soil borings #3 and #4 confirm that there is adequate area for a secondary septic system on the resulting 4611 139th Lane parcel. The required 10-foot drainage and utility easements are shown around the perimeter of the revised lot lines. County Ditch 44-7 traverses thru 36-32-23-21-0004. Proposed drainage easements are shown for the standard 100-foot County Ditch easement.

Recommendation:

It is recommended that the lot line adjustment be approved, subject to dedicating a 10-foot wide drainage and utility easement on both sides of the revised property lines, dedicating the 100-foot drainage easement over County Ditch 44-7, removal of the two 4611 139th Lane accessory buildings and recording of the ingress/egress easement over the 66-feet of the 4653 138th Avenue parcel.



Receipt 95695

CITY OF HAM LAKE

**REQUEST FOR
AN APPEARANCE
BEFORE THE
CITY COUNCIL**

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

Date of application 4/10/23
Date of City Council appearance _____
60-day review deadline _____

**APPLICANT'S
NAME** Tom Ellwell

**STREET
ADDRESS** 4629 137 Lane NE

**CITY, STATE
ZIP** Ham Lake mn 55304

PHONE (daytime) 612 363 7279

NATURE OF REQUEST
Lot Line Adjustment

You are advised that the 60-day review period required by Minnesota Statutes Chapter 15.99 does not begin to run until all of the required items have been received by the City of Ham Lake.

Tom Ellwell 4/10/23
Signature of applicant Date

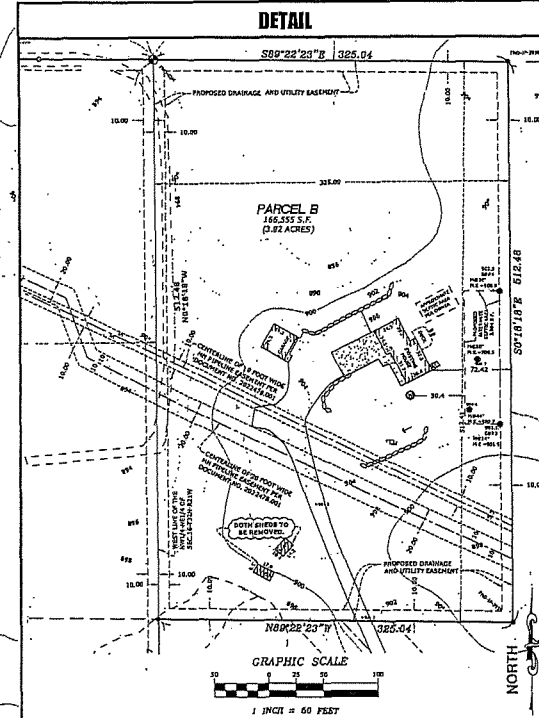
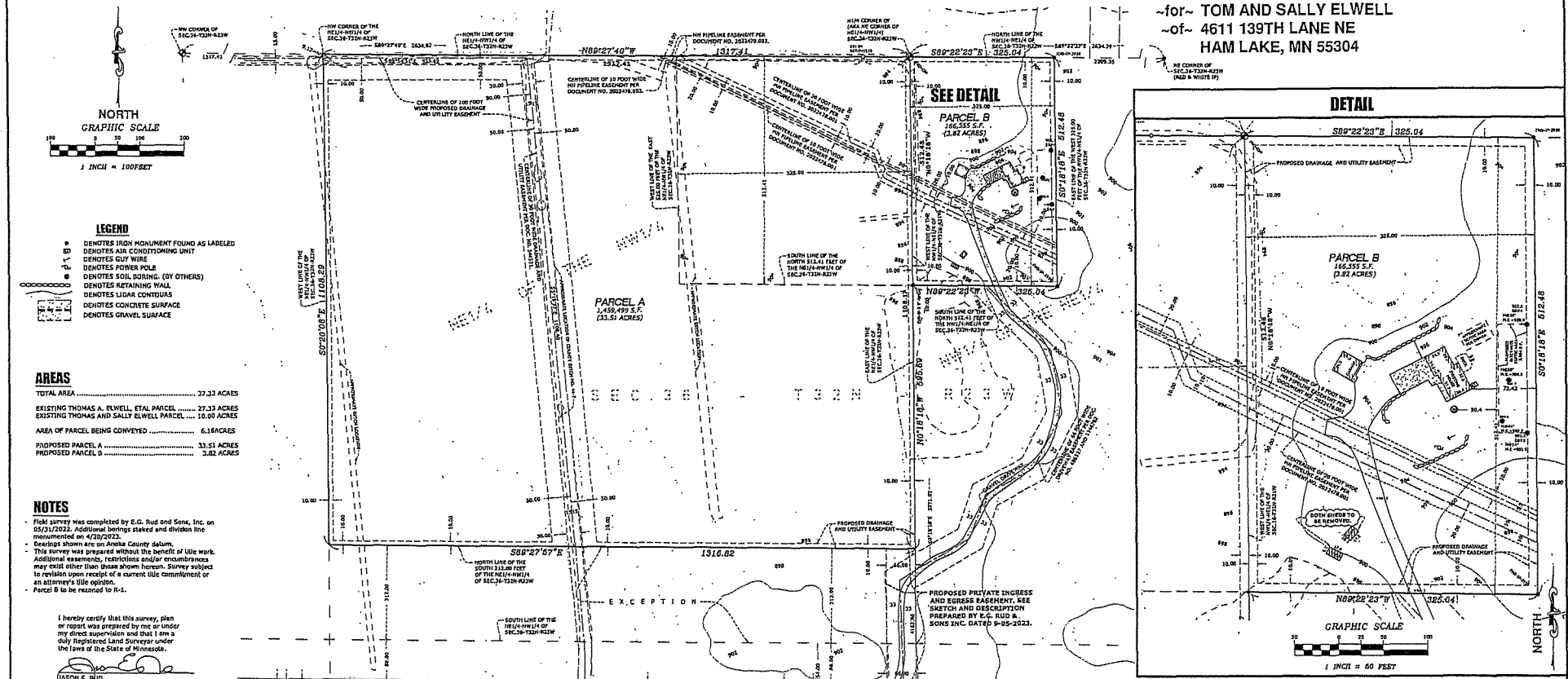
Please attach any relevant information including maps, diagrams, and/or a descriptive narrative.

This form must be submitted to the City staff by 4:00 p.m. on the Monday prior to the Council meeting at which you will be appearing.

LOT LINE ADJUSTMENT SURVEY

for TOM AND SALLY ELWELL
of 4611 139TH LANE NE
HAM LAKE, MN 55304

OVERALL SITE



- LEGEND**
- DENOTES IRON MONUMENT FOUND AS LABELED
 - DENOTES AIR CONDITIONING UNIT
 - DENOTES GUY WIRE
 - DENOTES POWER POLE
 - DENOTES SOIL BORING (BY OTHERS)
 - DENOTES RETAINING WALL
 - DENOTES LIDAR CONTOURS
 - DENOTES CONCRETE SURFACE
 - DENOTES GRAVEL SURFACE

AREAS

TOTAL AREA	37.33 ACRES
EXISTING THOMAS A. ELWELL ETAL PARCEL	27.33 ACRES
EXISTING THOMAS AND SALLY ELWELL PARCEL	10.00 ACRES
AREA OF PARCEL BEING CONVEYED	6.18 ACRES
PROPOSED PARCEL A	33.51 ACRES
PROPOSED PARCEL B	3.82 ACRES

NOTES

Field survey was completed by E.G. Ruid and Sons, Inc. on 02/02/2023. Additional bearings stated and division line monumented on 4/20/2023.

Deedright shown as an Anoka County Deed.

This survey was prepared without the benefit of title work. Additional easements, restrictions and/or encumbrances may exist other than those shown hereon. Survey subject to revelation upon receipt of a current title commitment or an attorney's title opinion.

Parcel B is to be returned to R-1.

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.

MASON E. RUID
Date: 02/02/2023 License No. 41578

EXISTING PROPERTY DESCRIPTION OF THE THOMAS A. ELWELL ETAL PARCEL
(FOR PIN NO. 36-32-23-21-0004 PER ANOKA COUNTY QUIT CLAIM DEED DOCUMENT NO. 1318947.)

The Northeast Quarter of the Northeast Quarter of Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota, Except the South 212 feet thereof; Also Except the North 512.41 feet of the East 525.00 feet thereof.

PROPOSED DESCRIPTION OF PARCEL A

The Northeast Quarter of the Northeast Quarter of Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota, Except the South 212.00 feet thereof.

PROPOSED DESCRIPTION OF PARCEL BEING CONVEYED

The North 512.41 feet of the East 525.00 feet of the Northeast Quarter of the Northeast Quarter of Section 36, Township 32 North, Range 23, Anoka County, Minnesota.

EXISTING PROPERTY DESCRIPTION OF THOMAS A AND SALLY A ELWELL PARCEL
(FOR PIN NO. 36-32-23-21-0004 PER ANOKA COUNTY QUIT CLAIM DEED DOCUMENT NO. 1347602.)

The North 512.41 feet of the East 525.00 feet of the Northeast Quarter of the Northeast Quarter and the North 512.41 feet of the West 325.00 feet of the Northeast Quarter of the Northeast Quarter, all in Section 36, Township 32 North, Range 23, Anoka County, Minnesota.

Together with a 66.00 foot easement for ingress and egress, the centerline of which is described as follows:

Commencing at the Northeast corner of the Northeast Quarter of Section 36, Township 32 North, Range 23, Anoka County, Minnesota; thence on an assumed bearing of South 05 minutes 35 seconds East along the West line of said Northeast Quarter, a distance of 847.50 feet to its intersection with the South line of the North 847.50 feet of said Northeast Quarter and the actual point of beginning of the centerline to be hereinafter described; thence South 89 degrees 09 minutes 42 seconds East, along said South line of the North 847.50 feet, a distance of 593.92 feet; thence South 0 degrees 05 minutes 20 seconds East, parallel with the West line of said Northeast Quarter a distance of 292.69 feet to the South line of the North 121.00 feet of the South half of said Northeast Quarter; thence South 89 degrees 10 minutes 13 seconds East, along said South line of the North 121.00 feet, a distance of 1913.21 feet; thence North 1 degree 44 minutes 05 seconds West a distance of 283.69 feet; thence North 60 degrees 16 minutes 02 seconds East a distance of 104.42 feet; thence North 05 degrees 05 minutes 39 seconds East a distance of 105.45 feet; thence North 01 degree 54 minutes 06 seconds East a distance of 121.02 feet; thence North 28 degrees 14 minutes 47 seconds East a distance of 140.92 feet; thence North 9 degrees 37 minutes 59 seconds West a distance of 143.84 feet; thence North 43 degrees 48 minutes 58 seconds West a distance of 202.72 feet to the South line of the North 512.41 feet of the Northeast Quarter of the Northeast Quarter of said Section 36.

PROPOSED DESCRIPTION OF PARCEL B

The North 512.41 feet of the West 325.00 feet of the Northeast Quarter of the Northeast Quarter, all in Section 36, Township 32 North, Range 23, Anoka County, Minnesota.

Together with a 66.00 foot easement for ingress and egress, the centerline of which is described as follows:

Commencing at the Northeast corner of the Northeast Quarter of Section 36, Township 32 North, Range 23, Anoka County, Minnesota; thence on an assumed bearing of South 0 degrees 05 minutes 35 seconds East along the West line of said Northeast Quarter, a distance of 847.50 feet to its intersection with the South line of the North 847.50 feet of said Northeast Quarter and the actual point of beginning of the centerline to be hereinafter described; thence South 89 degrees 09 minutes 42 seconds East, along said South line of the North 847.50 feet, a distance of 893.92 feet; thence South 0 degrees 05 minutes 35 seconds East, parallel with the West line of said Northeast Quarter a distance of 292.69 feet to the South line of the North 121.00 feet of the South half of said Northeast Quarter; thence South 89 degrees 10 minutes 13 seconds East, along said South line of the North 121.00 feet, a distance of 1913.55 feet; thence North 1 degree 44 minutes 05 seconds West a distance of 283.69 feet; thence North 60 degrees 16 minutes 02 seconds East a distance of 104.42 feet; thence North 05 degrees 05 minutes 39 seconds East a distance of 105.45 feet; thence North 01 degree 54 minutes 06 seconds East a distance of 121.02 feet; thence North 28 degrees 14 minutes 47 seconds East a distance of 140.92 feet; thence North 9 degrees 37 minutes 59 seconds West a distance of 143.84 feet; thence North 43 degrees 48 minutes 58 seconds West a distance of 202.72 feet to the South line of the North 512.41 feet of the Northeast Quarter of the Northeast Quarter of said Section 36 and three terminations. Said strip of land to extend by its full width from the East right-of-way line of County State Aid Highway Number 17 to the South line of the North 512.41 feet of the Northeast Quarter of the Northeast Quarter of said Section 36.

PROPOSED DRAINAGE AND UTILITY EASEMENT DESCRIPTION FOR PARCEL A

A perpetual easement for public drainage and utility purposes over, under and across the North 10.00 feet; the South 10.00 feet; the West 10.00 feet; and the East 10.00 feet of the following described property:

The Northeast Quarter of the Northeast Quarter of Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota. Except the South 212 feet thereof.

AND

A 100 foot wide perpetual easement for public drainage and utility purposes over, under and across the following described property:

The Northeast Quarter of the Northeast Quarter of Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota. Except the South 212.00 feet thereof.

The centerline of said easement is described as follows:

Commencing at the northeast corner of said Northeast Quarter of the Northeast Quarter; thence on an assumed bearing of North 09 degrees 27 minutes 40 seconds West, along the north line of said Northeast Quarter of the Northeast Quarter, a distance of 1217.41 feet to the northwest corner of said Northeast Quarter of the Northeast Quarter; thence South 02 degrees 20 minutes 08 seconds East, along the west line of said Northeast Quarter of the Northeast Quarter, a distance of 9.12 feet to the point of beginning of the centerline to be described; thence South 09 degrees 54 minutes 51 seconds East a distance of 455.65 feet; thence South 05 degrees 19 minutes 37 seconds East a distance of 1,108.40 feet to the north line of said South 212.00 feet of the Northeast Quarter of the Northeast Quarter and said centerline three terminations.

The alignment of said easement are to be prolonged or shortened to terminate on said north and west lines of the Northeast Quarter of the Northeast Quarter and said north line of the south 212.00 feet of the Northeast Quarter of the Northeast Quarter.

PROPOSED DRAINAGE AND UTILITY EASEMENT DESCRIPTION FOR PARCEL B

A perpetual easement for public drainage and utility purposes over, under and across the North 10.00 feet; the South 10.00 feet; the West 10.00 feet; and the East 10.00 feet of the following described property:

The North 512.41 feet of the West 325.00 feet of the Northeast Quarter of the Northeast Quarter, all in Section 36, Township 32 North, Range 23, Anoka County, Minnesota.

ISSUED BY	DATE	DESCRIPTION
1	04/29/23	Issue Report
2	04/29/23	Final Description of Lines
3	04/29/23	Rev. Per City Comments
4	04/29/23	Rev. Prop. Lot Line Back to Before
5	02/02/23	Field Notes
6	02/02/23	Field Photos, Triplogs & Easement Data

E.G. RUID & SONS, INC.
Professional Land Surveyors
6776 Lake Drive NE, Suite 110
Lino Lakes, MN 55144
Tel. (651) 361-8200 Fax (651) 361-4701



Sunrise River Watershed Management Organization

Memo

To: Columbus City Administrator Elizabeth Mursko
East Bethel City Administrator Jack Davis
Linwood Town Clerk Pam Olson
Ham lake City Administrator Denise Webster

From: Janet Hegland
SRWMO Chair and Columbus City Council Representative to SRWMO JPA meetings

CC: SRWMO Administrator Jamie Schurbon
SRWMO Board Members: Brian Mundle, Tim Melchior, Leon Mager, Troy Wolens, Jeff Entsminger, Ashley Millerbernd, Jonn Olson, Kevin Kelly
JPA Attorney Troy Gilchrist

Date: 9/19/2023

Re: Proposed SRWMO Funding Formula

I am writing to present for your consideration, a funding formula recommendation supported by our appointed SRWMO Board Members at the September 14, 2023, SRWMO Board Meeting and also discussed favorably during a telephone conversation on September 15, 2023, with Mayor Kirkham.

The City of Ham Lake requested we return to the original budget allocation methodology in the current JPA (scenario 1), which has been used for 30+ years. The only objection to do so was mine because I do not feel market value is relevant to the work of the SRWMO or the value derived from that work.

The proposed compromise is to simply adopt the scenario 1 percentages and dispose of the formula. In reviewing the percent contribution derived from scenario 1 and the previously recommended scenario 4, the differences between the two formulas only varied by approximately 1%-3%, depending on the community. Since we have considered so many options, I have provided the current SRWMO formula percentages below.

SCENARIO 1 - Current SRWMO formula	Non-Operating		Operating		Total
	%	Average SRWMO budget (last 5 yrs.)	%	Average SRWMO budget (last 5 yrs.)	
	Community				
Columbus	18.91%	\$5,915.72	25%	\$3,112.04	\$9,027.76
East Bethel	30.06%	\$9,402.81	25%	\$3,112.04	\$12,514.85
Ham Lake	4.13%	\$1,290.64	25%	\$3,112.04	\$4,402.68
Linwood	46.91%	\$14,673.13	25%	\$3,112.04	\$17,785.17

The proposed plan is to utilize the percentages above, rounded up to the nearest whole number.

These percentages would be utilized every year, without recalculating the Non-Operating portion for shifts in market value. The Operating portion of the budget would be split equally between the four communities (i.e., 25% each). If there were significant boundary shifts in the future that substantially reduced or increased the area of a community, we can re-open the discussion of adjusting the funding formula.

To summarize, here are the major issues and proposed solutions of the last few months that you would see in a revised JPA:

Issue	Proposed Solution
Communications concerns when a community does not have a city council or town board member on the WMO.	Each community will be required to have one city council or town board member on the WMO board.
Unanimous ratification of budgets	If a budget is ratified by only three of four communities, it cannot increase more than 10% from the annual amount in the approved watershed plan for that year.
Timeline of budget ratifications	Responses to proposed budget are required within 60 days. If concerns are voiced that prompt the WMO board to change the budget, communities have an additional 30 day to respond to the revised budget.
Funding Formula	Use the most recent percentages from the 30+ year old funding formula. Dispose of the formula itself.

Please present the above proposed solutions to your City Council/Town Board at the next available meeting and send your decision to Jamie and copy me. Once this decision is made, we will instruct the SRWMO attorney to finalize the JPA, which will require unanimous approval by all four communities, and we will send you an updated memo requesting ratification of the 2024 budget utilizing the agreed upon funding formula.

Thank you all for your help in bringing this matter to a close.

Denise Webster

From: jamie.schurbon@anokaswcd.org
Sent: Thursday, August 3, 2023 10:14 AM
To: Denise Webster; Jack Davis; Linwood Township, Pam Olson; City of Columbus, Elizabeth Mursko
Cc: Mike Jeziorski; Ashley Millerbernd; Brian Mundle; Cameron Blake; Janet Hegland; Jeff Entsminger; Jonn Olson; Kevin Kelly; Leon Mager (lamj3@outlook.com); Tim Melchior; Troy Wolens
Subject: SRWMO JPA - REQUEST FOR \$

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

SRWMO Community Administrators,

The SRWMO board is requesting that each SRWMO community contribute an additional \$2,000 toward joint powers agreement (JPA) revision processes. The City of Ham Lake is also asked to contribute \$1,000 previously requested but not yet paid. The previously provided funds are about to be exhausted. Checks should be made to the Sunrise River WMO and sent to:

SRWMO
C/O East Bethel City Hall
2241 221st Ave NE
Cedar, MN 55011

Summary of JPA Amendment Funding Requests

Community	2022 contribution	2023 Qtrs 1-2 contribution	Current request	Please pay
Columbus	\$2,000	\$1,000	\$2,000	\$2,000
East Bethel	\$2,000	\$1,000	\$2,000	\$2,000
Linwood	\$2,000	\$1,000	\$2,000	\$2,000
Ham Lake	\$2,000	-	\$2,000	\$3,000

A redlined version of the JPA will be coming to you soon.

Jamie Schurbon

Watershed Projects Manager | Anoka Conservation District
1318 McKay Dr. NE, Suite 300 | Ham Lake, MN 55304
763.434.2030 x210 | AnokaSWCD.org



Strong partnerships - Innovative solutions - Healthy environments

Confidentiality Notice: This E-mail and any attachments is covered by the Electronic Communications Privacy Act, 18 U.S.C. & 2510-2524, is confidential and may be legally privileged. If you are not the intended recipient, you are hereby notified that any retention, dissemination, or copying of this communication is strictly prohibited. Please reply to the sender that you have received the message in error, and permanently delete the original and destroy any copy, including printed copies of this email and any attachments thereto.

RESOLUTION NO. 23-XX
RESOLUTION APPROVING CONTRIBUTIONS

WHEREAS, the City of Ham Lake is generally authorized to accept contributions of real and personal property pursuant to Minnesota Statutes Sections 412.21 and 465.03 for the benefit of its citizens, and

WHEREAS, the following persons and entities have offered to contribute the cash sums set forth below to the City:

<u>Name of Donor</u>	<u>Amount</u>
Ham Lake Chamber of Commerce <i>(2024 Freedom Festival)</i>	\$5,000.00

WHEREAS, all such sums have been contributed to assist the City in the establishment and operation of programs within the City's corporate limits either alone or in cooperation with others, as allowed by law; and

WHEREAS, the City Council hereby finds that it is appropriate to accept the contributions offered.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Ham Lake, Minnesota, as follows:

1. The contributions described above are hereby accepted by the City of Ham Lake and shall be used to establish and operate programs within the City's corporate limits either alone or in cooperation with others, as allowed by law.
2. That the City Clerk is hereby directed to issue receipts to each donor acknowledging the City's receipt of the donor's contribution.

Adopted by the City Council of the City of Ham Lake this 2nd day of October, 2023.

Brian Kirkham, Mayor

Dawnette Shimek, Deputy City Clerk

LG555 Government Approval or Acknowledgment for Use of Gambling Funds

Keep this completed form attached to the LG100C in your organization's records. You do not need to submit this form to the Gambling Control Board or the Department of Revenue.

ORGANIZATION AND EXPENDITURE INFORMATION (attach additional sheets if necessary)

Organization Name: <u>Ham Lake Chamber of Commerce</u>	License Number: <u>02948</u>
--	------------------------------

Address: <u>15544 Central Ave. NE</u>	City/State/Zip: <u>Ham Lake, MN. 55304</u>
---------------------------------------	--

- Amount of proposed lawful purpose expenditure: \$ 5000.00
- Check one expenditure category:
 - A. **Contribution to a unit of government**—United States, state of Minnesota, or any of its subdivisions, agencies, or instrumentalities.
 - B. **Wildlife management project or activity** that benefits the public at large, with approval by the Minnesota Department of Natural Resources (DNR).
 - C. **Grooming and maintaining snowmobile or all-terrain vehicle trails** established under Minnesota Statutes, Sections 84.83 and 84.927, including purchase or lease of equipment, with approval by the DNR. All trails must be open to public use.
 - D. **Supplies and materials for safety training and educational programs** coordinated by the DNR, including the Enforcement Division.
 - E. **Citizen monitoring of surface water quality testing** for public waters by individuals or nongovernmental organizations, with Minnesota Pollution Control Agency (MPCA) guidance on monitoring procedures, quality assurance protocols, and data management, providing that data is submitted to the MPCA.

3. Describe the proposed expenditure, including vendors:

Money used for 2024 Freedom Festival

- NO FINANCIAL OR OTHER BENEFIT:** I affirm that the contribution or expenditure does not result in any monetary, economic, financial, or material benefit to our organization, in compliance with Minn. Rule 7861.0320, subp. 17, para. C.
- FOR DNR-RELATED PROJECTS:** I affirm that when lawful gambling funds are used for grooming and maintaining snowmobile or all-terrain vehicle trails or for any wildlife management project for which reimbursement is received from a unit of government, the reimbursement funds must be deposited in our lawful gambling account and recorded on form LG100C.
- FOR SURFACE WATER QUALITY TESTING:** I affirm that the MPCA has been consulted in developing the monitoring plan and that the data collected will be submitted to the MPCA. Send form for signature to: Manager, Water Monitoring Section, Minnesota Pollution Control Agency, 520 Lafayette Road North, St. Paul, MN 55155. Website: www.pca.state.mn.us

<u><i>Tim Sofie</i></u> Chief Executive Officer's Signature	<u>9-20-23</u> Date
<u>Tim Sofie</u> Print Name	<u>612-391-9763</u> Daytime Phone

GOVERNMENT APPROVAL/ACKNOWLEDGMENT

Contribution amount: \$ 5,000.00. Government use of contribution (check one):

- Wildlife**—DNR approves the wildlife management project or activity.
- Trails**—DNR approves the grooming/maintaining of snowmobile and/or all-terrain vehicle trails.
- Safety training**—DNR approves the supplies/materials for DNR safety training and educational programs.
- Water quality testing**—MPCA approves the surface water quality testing project.
- Donation to other unit of government** (city, county, state, federal, or any of their subdivisions) provided the funds will not be used for a pension or retirement fund.

Unit of Government: <u>City of Ham Lake</u>	Phone: <u>763-434-9555</u>
Address: <u>15544 Central Ave NE</u> City/State/Zip: <u>Ham Lake, MN. 55304</u>	

By signature below, the representative of the unit of government acknowledges and approves the contribution amount for the use as listed above.

<u><i>Maria Rainbolt</i></u> Signature	<u>9/26/23</u> Date
<u>Maria Rainbolt</u> Print Name	<u>Administrative Assistant</u> Title

Questions? Contact the Minnesota Gambling Control Board at 651-539-1900. This form will be made available in alternative format (i.e. large print, braille) upon request. The information requested on this form will become public information, when requested by the Board, and will be used to determine your compliance with Minnesota statutes and rules governing lawful gambling activities.

Meeting Date: October 2, 2023



***CITY OF HAM LAKE
STAFF REPORT***

To: Mayor and Councilmembers

From: Dawnette Shimek, Deputy City Clerk

Item/Title/Subject: Vacation of a portion of Stutz Street NE dedicated on the recorded plat of Hidden Forest East Third Addition

Introduction/Discussion:

The street as described has no public purpose. Engineer Collins has reviewed the legal description and has no issue with this vacation.

Recommendation:

I recommend approval of Resolution scheduling a Public Hearing for October 16, 2023 at 6:01 p.m. to vacate a portion of Stutz Street NE dedicated on the recorded plat of Hidden Forest East Third Addition.



CITY OF HAM LAKE

**REQUEST FOR
AN APPEARANCE
BEFORE THE CITY COUNCIL**

15544 Central Avenue NE
Ham Lake, MN 55304
Phone (763) 434-9555

DATE OF APPLICATION 9-28-2023

DEPOSIT \$ _____

RECEIPT # _____

CITY COUNCIL MEETING DATE
(if all required information is received) _____

APPLICANT'S NAME HFN Properties, LLC
Terracy A. Stalburg

MAILING ADDRESS 17404 WARD LK. DR. NW

CITY, STATE, ZIP CODE Anodow, MN. 55304

PHONE (daytime) 612-799-1471

EMAIL ADDRESS _____

SITE ADDRESS / NATURE OR REQUEST:
(Please attach any relevant information including maps, diagrams, and a descriptive narrative of the request)**

Vacate Cul-de-Sac easement @ HFE III

Terracy A. Stalburg
Signature of Applicant

9-28-2023
Date

Same
Signature of Current Property Owner

Date

(If the applicant is not the property owner - the property owner signature is required)

**You are advised that the 60-day review period required by Minnesota Statutes Chapter 15.99 does not begin to run until all of the required information has been submitted to the City of Ham Lake.

**CITY OF HAM LAKE
ACKNOWLEDGMENT OF RESPONSIBILITY
TO REIMBURSE EXPENSES**

The undersigned, Jeffrey A. Stralburg, having applied to the City of Ham Lake for consideration of a planning and zoning request, or any other permit, license, or action requiring review and/or approval of the City, as follows:

Vacate easement @ HEE III Cul-de-Sac
Type of Application

acknowledges that the sum of \$ _____, has been deposited with the City of Ham Lake to reimburse the City of Ham Lake for any out of pocket expenses incurred by the City in reviewing the proposal, including but not limited to a staff review fee, any signage required by ordinance, and City Engineer and City Attorney's fees for their review, in amounts which are not known to the City at this time. The applicant acknowledges that it is the responsibility of the undersigned to reimburse the City for any such engineering or attorney's fees incurred in review of the applicant's request, or any other expenses incurred by the City in connection with this requires, and further acknowledges that in the event that the undersigned fails to promptly remit any amounts incurred by the City in excess of the deposit, the City shall have the right to discontinue further consideration or action upon the undersigned's request, shall have the right to rescind any approvals, withdraw any permits, licenses or other consents, shall have the right to vacate any street or road, plat or other dedication, and the undersigned waives the right to claim damages arising out of any such act by the City. Furthermore, the applicant agrees that in the event that the City is required to take legal action in order to effect recovery of any of the expenses incurred by the City from the undersigned, the City shall be entitled, in addition to principle and interest, to recover its reasonable attorney's fees incurred in collecting said sums from the undersigned.

Applicant Signature Jeffrey A. Stralburg Dated 9-28-2023

The following statement must be signed if the applicant is not the property owner:

SAME, as owner of the property involved in the foregoing application, agrees to be jointly and severally liable for payment of the foregoing fees.

Property Owner Signature _____ Dated _____



**NOTICE TO ALL APPLICANTS FOR MUNICIPAL
PERMITS, LICENSES,
OR OTHER MUNICIPAL ACTION**

1. *If you are requesting municipal action on any request for any of the above, you will be required to furnish certain information about yourself, the project you are involved in, or other matters pertaining to the subject. Some of the information you are asked to provide is classified by state law as either private or confidential. Private data is information which generally cannot be given to the public but can be given to the subject of the data. Confidential data is information which generally cannot be given to either the public or the subject of the data.*
2. *The purpose of this information is to enable the City Staff, Commissions, Council or other government agencies to evaluate relevant factors in considering your request. You are not legally required to provide this information. If you do not provide the requested information, the City may not act upon your request.*
3. *The information you supply will be public and available to any entity requesting to inspect the information.*

**DATA PRACTICES ADVISORY
TENNESSEN WARNING**

REQUIRED BY MINNESOTA STATUTES CHAPTER 13.04

SIGNED BY

Jeffrey L. Stally
COMPANY/TITLE: *HFN Properties, LLC*

DATE: *9-28-2023*

RESOLUTION NO. 23-XX

WHEREAS, the Ham Lake City Council, on its own motion, wishes to consider the vacation of the following described land in the City of Ham Lake, pursuant to Minnesota Statutes Chapter 412.851:

STUTZ STREET NE – VACATION DESCRIPTION

That part of Stutz Street as dedicated on the recorded plat of Hidden Forest East Third Addition, Anoka County, Minnesota, which lies north of the westerly extension of the northerly line of Lot 9, Block 1, Hidden Forest East Third Addition.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Ham Lake, that the City Clerk is directed to post in a conspicuous place in the City Hall between the dates of October 5, 2023 and October 16, 2023 and to cause publication of a NOTICE OF PUBLIC HEARING, a copy of which is attached to this Resolution, for a public hearing to be held on October 2, 2023, with publication to occur in the Star Tribune on October 5, 2023.

Adopted by the City Council of the City of Ham Lake this 2nd day of October 2023.

Brian Kirkham, Mayor

Dawnette Shimek, Deputy City Clerk

NOTICE OF PUBLIC HEARING
VACATION OF PUBLIC LAND

NOTICE IS HEREBY GIVEN, that a Public Hearing will be held before the Ham Lake City Council on October 16, 2023 at 6:01 p.m. in the City Council Chambers, City Hall, 15544 Central Avenue N.E. Ham Lake, Minnesota 55304, to hear comments and questions concerning the proposed vacation of the following described land within the City of Ham Lake, Minnesota:

STUTZ STREET NE – VACATION DESCRIPTION

That part of Stutz Street as dedicated on the recorded plat of Hidden Forest East Third Addition, Anoka County, Minnesota, which lies north of the westerly extension of the northerly line of Lot 9, Block 1, Hidden Forest East Third Addition

Said hearing is conducted pursuant to Minnesota Statutes Chapter 412.851.

Dated: October 5, 2023

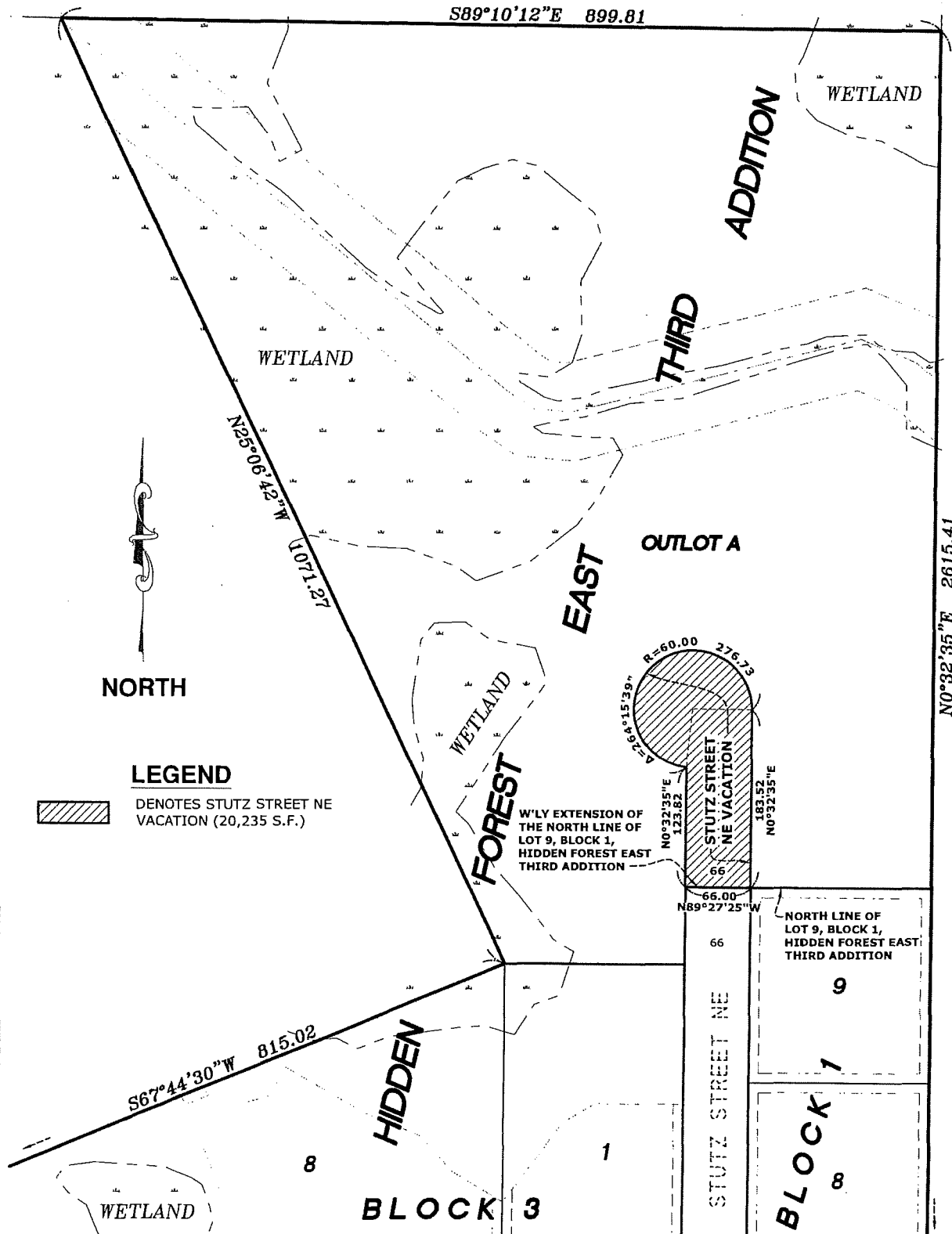
Dawnette Shimek, Deputy City Clerk

Posted at City Hall between the dates of October 5, 2023 and October 16, 2023.

Published in the Star Tribune on October 5, 2023

SKETCH AND DESCRIPTION

~for~ HIDDEN FOREST EAST FOURTH ADDITON
 ~of~ STUTZ STREET NE VACATION



NORTH

LEGEND



DENOTES STUTZ STREET NE VACATION (20,235 S.F.)

W'LY EXTENSION OF THE NORTH LINE OF LOT 9, BLOCK 1, HIDDEN FOREST EAST THIRD ADDITION

STUTZ STREET NE - VACATION DESCRIPTION

That part of Stutz Street as dedicated on the recorded plat of HIDDEN FOREST EAST THIRD ADDITION, Anoka County, Minnesota, which lies north of the westerly extension of the northerly line of Lot 9, Block 1, HIDDEN FOREST EAST THIRD ADDITION.

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

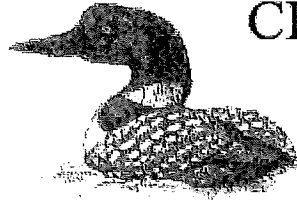
By: *[Signature]*
 Minnesota License No. 41578

Dated 31st day of July 2023.

DATUM: COUNTY		JOB NO. 210452PP	
REVISIONS		SCALE: 1" = 100'	
1		DATE: 07-31-23	
2		DRAWN BY: JEN	
3		CREW: TBD	
NO.	DATE	DESCRIPTION	BY



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



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, SEPTEMBER 25, 2023

CALL TO ORDER: 6:00 p.m.

PLEDGE OF ALLEGIANCE

APPROVAL OF MINUTES: August 28, 2023

PUBLIC HEARINGS:

6:01 p.m. Tom Elwell requesting rezoning of 4611 139th Lane NE from R-A (Rural Single Family Residential) to R-1 (Single Family Residential)

NEW BUSINESS:

1. Jeff Stalberger, HFN Properties, LLC, requesting Final Plat approval for Hidden Forest East Fourth Addition (22 Single Family Residential lots and 3 outlots) in sections 24 and 25.

COMMISSION BUSINESS:

1. City Council Update

ORDINANCE NO. 23-xx

AN ORDINANCE AMENDING A PORTION OF CHAPTER 9 OF THE CITY OF HAM LAKE, COUNTY OF ANOKA, STATE OF MINNESOTA.

The City Council of the City of Ham Lake does hereby ordain as follows, pursuant to Article 9 of the Ham Lake City Code.

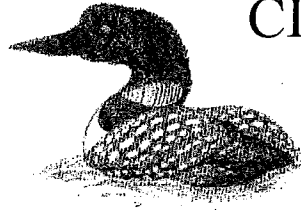
That the zoning classification for the following described property situated in the City of Ham Lake, Anoka County, Minnesota is hereby designated R-1 (Single Family Residential) (4611 139th Lane NE).

The North 512.41 feet of the West 325.00 feet of the Northwest Quarter of the Northeast Quarter, all in Section 36, Township 32, Range 23, Anoka County, Minnesota.

Presented to the Ham Lake City Council on October 2, 2023 and adopted by a unanimous vote this ___ day of _____, 2023.

Brian Kirkham, Mayor

Dawnette Shimek, Deputy City Clerk



CITY OF HAM LAKE

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

CITY OF HAM LAKE PLANNING COMMISSION MINUTES MONDAY, SEPTEMBER 25, 2023

The Ham Lake Planning Commission met for its regular meeting on Monday, September 25, 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, Kyle Lejonvarn, Dave Ringler, Jeff Entsminger, Jonathan Fisher and Erin Dixon

MEMBERS ABSENT: None

OTHERS PRESENT: City Engineer Dave Krugler, Building and Zoning Official Mark Jones and Building and Zoning Clerk Jennifer Bohr

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

PLEDGE OF ALLEGIANCE:

The pledge of allegiance was recited by all in attendance.

APPROVAL OF MINUTES:

Motion by Lejonvarn, seconded by Dixon, to approve the minutes of the August 28, 2023 Planning Commission meeting as written. All present in favor, motion carried.

PUBLIC HEARING:

Tom Elwell requesting rezoning of 4611 139th Lane NE from R-A (Rural Single Family Residential) to R-1 (Single Family Residential)

Mrs. Sally Elwell was present. Mrs. Elwell stated the 4611 139th Lane NE parcel is currently 10 acres. Mrs. Elwell stated she and her husband are reducing the size of the parcel to 3.82 acres. Mrs. Elwell stated there is a house on the proposed 3.82 acre lot that they intend to sell while the other 6.18 acres will continue to be part of the sod field. (A lot line adjustment request has been submitted to the City Council to move the western lot line of the 4611 139th Lane NE parcel east to the quarter section line.) Chair Pogalz asked Engineer Krugler to comment. Engineer Krugler stated parcel 36-32-23-21-0004 and the parcel addressed as 4611 139th Lane NE are both currently zoned R-A, Rural Single Family Residential. Engineer Krugler stated the request is to rezone the eastern parcel to R-1, Residential Single Family. Engineer Krugler stated access to the 4611 139th Lane NE parcel is via a 66-foot wide ingress/egress driveway easement that is an extension of 138th Avenue NE east of Ghia Street NE. Engineer Krugler stated access to the 36-32-23-21-0004 parcel will be via a private 66-foot wide ingress/egress easement

being dedicated over the eastern 66-feet of the 4653 138th Avenue NE parcel. Engineer Krugler stated documentation of the newly created private easement will need to be recorded with the County. Engineer Krugler stated soil borings have been done to confirm there is adequate area for a secondary septic system, drainage and utility easements will need to be dedicated around the perimeters of the revised parcels as well as a 100-foot County Ditch easement and two accessory buildings on the 4611 139th Lane NE parcel will need to be removed. Mrs. Elwell stated the buildings have been removed. Commissioner Entsminger completed the inspection; a copy which is on file. Commissioner Entsminger stated he did not physically inspect the site but spoke with Mr. Tom Elwell via telephone. Commissioner Entsminger stated the 4611 139th Lane NE parcel has buildings on it and will be reduced in size if the City Council approves the lot line adjustment; the western part of the current parcel is sod field and will continue to be used for agriculture.

Chair Pogalz opened the public hearing at 6:05 p.m. and asked for public comment; with there being none, Chair Pogalz closed the public hearing at 6:06 p.m.

Motion by Entsminger, seconded by Fisher, to recommend approval of Tom Elwell's request to rezone parcel 4611 139th Lane NE from R-A (Rural Single Family Residential) to R-1 (Single Family Residential) in Section 36 subject to the City Council approving the requested lot line adjustment, documentation of the 66-foot wide easement over the eastern 66-feet of parcel 4653 138th Avenue NE, the drainage and utility and County Ditch drainage easements being filed with the County, meeting the conditions of the City Engineer and meeting all City, County and State requirements. All present in favor, motion carried. *This application will be placed on the City Council's Monday, October 2, 2023 agenda.*

NEW BUSINESS:

Jeff Stalberger, HFN Properties, LLC, requesting Final Plat approval for Hidden Forest East Fourth Addition (22 Single Family Residential lots and 3 out lots) in Sections 24 and 25

Mr. Jeff Stalberger, Sr. Mr. Jeff Stalberger, Jr. and Mr. Ryan Stalberger were present. Mr. Stalberger Sr. spoke on behalf of the project. Mr. Stalberger stated he is seeking approval of the plat. Chair Pogalz asked Engineer Krugler for comment. Engineer Krugler stated money in lieu of parkland will need to be paid for this plat. Engineer Krugler stated out lot A from Hidden Forest East Third Addition, which is now part of this plat, was included in a previous parkland dedication calculation. Engineer Krugler stated a memo dated December 6, 2021 from Attorney Murphy will need to be referenced when parkland dedication fees are calculated for this plat. Mr. Stalberger stated he trusted that the City would calculate the correct parkland dedication fee for this development. Engineer Krugler stated an encroachment agreement will be required for Lot 10, Block 1 as a septic sewer pipe will cross a drainage and utility easement, FEMA Letters of Map Amendment (LOMA) are required for Lots 1,2,3,5, 6 and 7 of Block 1 and Lots 2 and 3 of Block 3 before building permits can be issued on those lots and the vacation of the Stutz Street NE cul-de-sac in the former out lot A of Hidden Forest Third Addition will need to be requested. Engineer Krugler stated permits have been obtained from NPDES/MPCA, the DNR and Coon Creek Watershed (CCWD). Engineer Krugler stated Wetland Bank Credit

withdrawal has also been verified. Chair Pogalz asked Mr. Stalberger when a second ingress/egress point will be provided for the Hidden Forest East developments. Mr. Stalberger stated he isn't certain. Chair Pogalz asked if there was a way to reach 149th Avenue NE. Mr. Stalberger said there is a way but it is not currently possible as he does not currently own the land that abuts 149th Avenue NE. Engineer Krugler stated access to the western edge of the development via 143rd Avenue NE is approximately 3000-feet from Lexington Avenue NE. Engineer Krugler presented a thoroughfare map showing future plans for street connections to 149th Avenue NE east of Lexington Avenue NE. Mr. Stalberger stated he does have plans for another ingress/egress point provided he is able to acquire the land from the current owners for a future phase of the Hidden Forest East development. Commissioner Dixson asked how many lots have been approved in the previous phases of the development. Engineer Krugler stated 109 lots have been approved; Hidden Forest East Fourth Addition will add an additional 22 lots. Mr. Stalberger stated the Elwell property to the south is for sale. Mr. Stalberger stated when that land sells, and if it is developed, another ingress/egress point should open up south of the Hidden Forest East development. Chair Pogalz asked Mr. Stalberger if requiring an ingress/egress point with the next phase of development was acceptable. Mr. Stalberger stated it was. **Motion by Pogalz, seconded by Fisher, to recommend approval of the Final Plat of Hidden Forest East Fourth Addition, 22 Single Family Residential lots and 3 out-lots, in Sections 24 and 25 as presented by HFN Properties, LLC subject to parkland dedications fees to be determined by the City Attorney, filing an encroachment agreement for Lot 10, Block 1, for a septic sewer pipe crossing a drainage and utility easement, obtaining FEMA LOMA's for Lots 1,2,3,5, 6 and 7 of Block 1 and Lots 2 and 3 of Block 3, prior to the issuance of building permits, vacating right-of-way for the Stutz Street NE cul-de-sac dedicated with the Hidden Forest East Third Addition, the developer agreeing to provide an additional ingress/egress point for the Hidden Forest East development in the next phase of development, meeting all requirements of the City Engineer and meeting all City, State and County requirements. All present in favor, motion carried. This application will be placed on the City Council's Monday, October 2, 2023 agenda.**

COMMISSION BUSINESS:

City Council Update

Chair Pogalz stated the City Council concurred with the Commission's recommendations to approve amendments to Article 9 and Jeff Entsminger's requests for a lot line adjustment with courtesy combination and rezoning. A planning commissioner will not be present at the October 2, 2023 City Council meeting.

ADJOURNMENT:

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

Jennifer Bohr
Building and Zoning Clerk



CITY OF HAM LAKE

15544 Central Avenue NE

Ham Lake, MN 55304

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

PLANNING REQUEST

Date of Application 8/30/23

Date of Receipt 8-30-23

Receipt # 97260

Meeting Appearance Dates:
Planning Commission 9-25-23

City Council 10-2-23

Please check request(s):

- Metes & Bounds Conveyance
- Sketch Plan
- Preliminary Plat Approval*
- Final Plat Approval
- Rezoning*
- Multiple Dog License*

- Commercial Building Permit
- Certificate of Occupancy
- Home Occupation Permit
- Conditional Use Permit (New)*
- Conditional Use Permit (Renewal)
- 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: Lot line Adj - Rezoning

Address/Location of property: 4611 139th Lane NE Ham Lake MN

Legal Description of property: _____

PIN # 36-32-23-21-0002 Current Zoning R-A Proposed Zoning R-1

Notes: 4611 139th Ln NE becoming smaller parcel. HFE Plat to North is zoned R-1

Applicant's Name: Tom Elwell

Business Name: _____

Address 4629 137th Lane NE

City Ham Lake State MN Zip Code 55304

Phone _____ Cell Phone 612-363-7279 Fax _____

Email address N/A

You are advised that the 60-day review period required by Minnesota Statutes Chapter 15.99 does not begin to run until all of the required items have been received by the City of Ham Lake.

SIGNATURE Tom Elwell DATE 8/30/23

- FOR STAFF USE ONLY -

ACTION BY: Planning Commission 9-25-23
City Council _____

PROPERTY TAXES CURRENT YES NO

Memorandum

Date: September 12, 2023
To: Mayor and Councilmembers
From: Tom Collins, City Engineer *TPC*
Subject: Proposed lot line adjustment – 4611 139th Lane and 36-32-23-21-0004

Introduction:

A lot line adjustment is proposed between the 10.00-acre 4611 139th Lane (36-32-23-21-0002) parcel and the 27.33-acre 36-32-23-21-0004 parcel. The proposed lot line adjustment will increase the 36-32-23-21-0004 parcel by 6.18 acres to 33.51 acres and decrease the 4611 139th Lane parcel to 3.82 acres. A 400-scale aerial photo is attached.

Discussion:

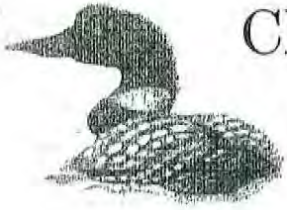
Both parcels are currently zoned Rural Single Family Residential (R-A) per the attached 600-scale zoning map. The resulting 4611 139th Lane parcel will be rezoned to Single Family Residential (R-1). The zoning for the expanded 36-32-23-21-0004 parcel will remain R-A.

Access to the 4611 139th Lane parcel is thru a 66-foot wide ingress/egress driveway easement that is an extension of 138th Avenue east of Ghia Street. A 400-scale half-section is attached that shows the ingress/egress easement. An ingress/egress driveway easement is being dedicated over the east 66-feet of the 4653 138th Avenue parcel to the south, for access to the expanded 36-32-23-21-0004 parcel.

Soil borings #3 and #4 confirm that there is adequate area for a secondary septic system on the resulting 4611 139th Lane parcel. The required 10-foot drainage and utility easements are shown around the perimeter of the revised lot lines. County Ditch 44-7 traverses thru 36-32-23-21-0004. Proposed drainage easements are shown for the standard 100-foot County Ditch easement.

Recommendation:

It is recommended that the lot line adjustment be approved, subject to dedicating a 10-foot wide drainage and utility easement on both sides of the revised property lines, dedicating the 100-foot drainage easement over County Ditch 44-7, removal of the two 4611 139th Lane accessory buildings and recording of the ingress/egress easement over the 66-feet of the 4653 138th Avenue parcel.



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, September 25, 2023 at 6:01 p.m. at the City Hall located at 15544 Central Avenue NE for the purpose of considering the application of Tom Elwell requesting to rezone certain parcels of land (4611 139th Lane NE) from R-A (Rural Single Family Residential) to R-1 (Single Family Residential) such land situated in the City of Ham Lake, Anoka County, Minnesota and which is described as follows to wit:

The North 512.41 feet of the West 325.00 feet of the Northwest Quarter of the Northeast Quarter, all in Section 36, Township 32, Range 23, Anoka County, Minnesota.

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

DATED: September 15, 2023

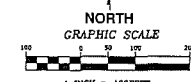
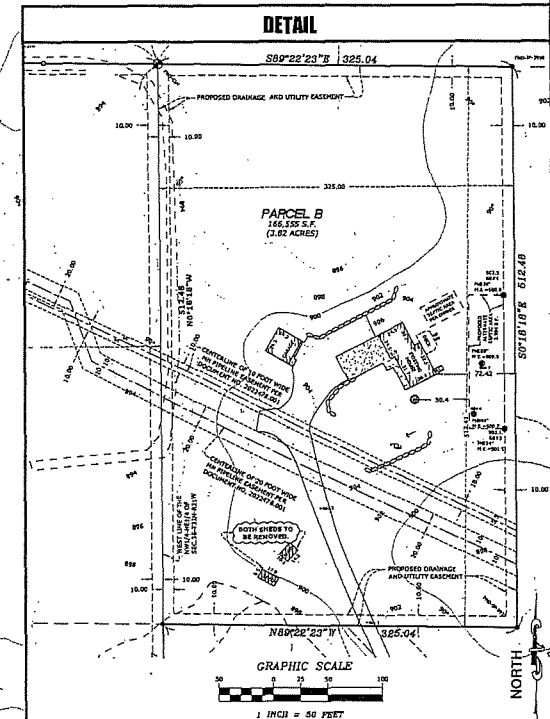
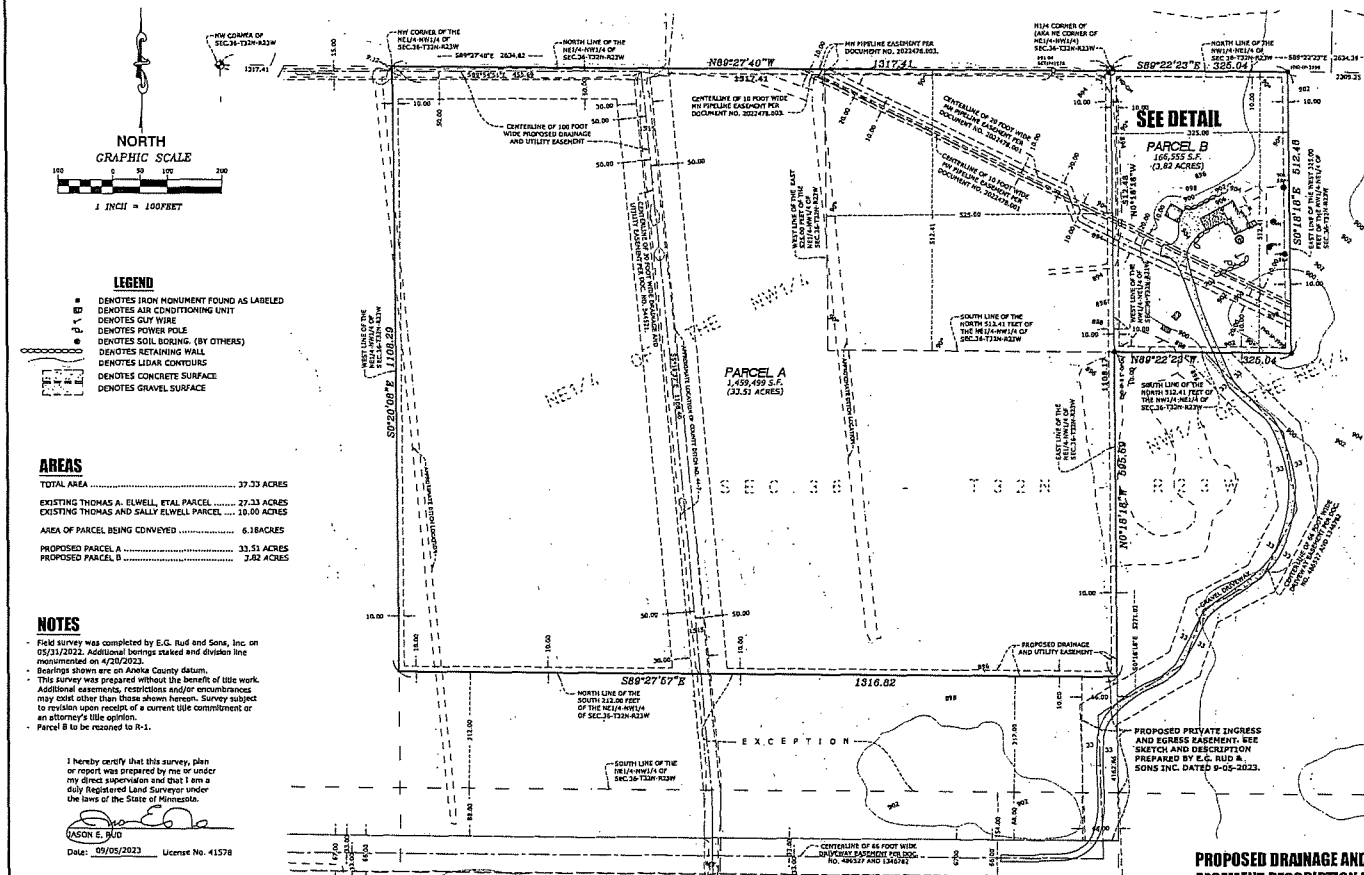
Jennifer Bohr
Building and Zoning Clerk
City of Ham Lake



LOT LINE ADJUSTMENT SURVEY

~for~ TOM AND SALLY ELWELL
~of~ 4611 139TH LANE NE
HAM LAKE, MN 55304

OVERALL SITE



- LEGEND**
- DENOTES IRON MONUMENT FOUND AS LABELED
 - DENOTES AIR CONDITIONING UNIT
 - DENOTES CURB WIRE
 - DENOTES POWER POLE
 - DENOTES SOIL BORING (BY OTHERS)
 - DENOTES RETAINING WALL
 - DENOTES LIDAR CONTOURS
 - DENOTES CONCRETE SURFACE
 - DENOTES GRAVEL SURFACE

AREAS

TOTAL AREA 37.33 ACRES
 EXISTING THOMAS A. ELWELL, ETAL PARCEL 27.53 ACRES
 EXISTING THOMAS AND SALLY ELWELL PARCEL 10.00 ACRES
 AREA OF PARCEL BEING CONVEYED 6.18 ACRES
 PROPOSED PARCEL A 32.51 ACRES
 PROPOSED PARCEL B 3.82 ACRES

NOTES

Field survey was completed by E.G. Rud and Sons, Inc. on 05/31/2022. Additional bearings stated and division line monumented on 4/20/2023.
 Bearings shown are on Anoka County datum.
 This survey was prepared without the benefit of title work. Additional easements, restrictions and/or encumbrances may exist other than those shown hereon. Survey subject to revision upon receipt of a current title commitment or an attorney's title opinion.
 Parcel B to be rezoned to R-1.

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.

MASON E. RUD
 Date: 05/05/2023 License No. 41578

EXISTING PROPERTY DESCRIPTION OF THE THOMAS A. ELWELL, ETAL PARCEL
 (FOR PIN NO. 36-32-23-21-0004 PER ANOKA COUNTY QUIT CLAIM DEED DOCUMENT NO. 135807.)

The Northeast Quarter of the Northwest Quarter of Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota. Except the South 212.00 feet thereof.

PROPOSED DESCRIPTION OF PARCEL A

The Northeast Quarter of the Northwest Quarter of Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota. Except the South 212.00 feet thereof.

PROPOSED DESCRIPTION OF PARCEL BEING CONVEYED

The North 512.41 feet of the East 525.00 feet of the Northwest Quarter of the Northwest Quarter of Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota.

EXISTING PROPERTY DESCRIPTION OF THOMAS A AND SALLY ELWELL PARCEL
 (FOR PIN NO. 36-32-23-21-0004 PER ANOKA COUNTY QUIT CLAIM DEED DOCUMENT NO. 134676.)

The North 512.41 feet of the East 525.00 feet of the Northwest Quarter of the Northwest Quarter and the North 512.41 feet of the West 325.00 feet of the Northwest Quarter of the Northwest Quarter, all in Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota.

Together with a 66.00 foot easement for ingress and egress, the centerline of which is described as follows:

Commencing at the Northwest corner of the Northwest Quarter of Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota; thence on an assumed bearing of South 0 degrees 07 minutes 35 seconds East along the West line of said Northwest Quarter, a distance of 847.50 feet to its intersection with the South line of the North 847.50 feet of said Northwest Quarter and the actual point of beginning of the centerline to be hereafter described; thence South 89 degrees 02 minutes 42 seconds East, along said South line of the North 847.50 feet, a distance of 693.92 feet; thence South 0 degrees 05 minutes 35 seconds East, parallel with the West line of said Northwest Quarter a distance of 593.68 feet to the South line of the North 121.00 feet of the South half of said Northwest Quarter; thence South 89 degrees 11 minutes 33 seconds East, along said South line of the North 121.00 feet, a distance of 191.31 feet; thence North 1 degree 44 minutes 05 seconds West a distance of 263.69 feet; thence North 60 degrees 16 minutes 02 seconds East a distance of 184.42 feet; thence North 19 degrees 05 minutes 39 seconds East a distance of 105.45 feet; thence North 61 degrees 54 minutes 06 seconds East a distance of 121.02 feet; thence North 28 degrees 14 minutes 47 seconds East a distance of 140.93 feet; thence North 9 degrees 37 minutes 50 seconds West a distance of 143.84 feet; thence North 43 degrees 48 minutes 58 seconds West a distance of 203.72 feet to the South line of the North 512.41 feet of the Northwest Quarter of the Northwest Quarter of said Section 36 and there terminating. Said strip of land to extend by its full width from the East right-of-way line of County State Aid Highway Number 17 to the South line of the North 512.41 feet of the Northwest Quarter of said Section 36.

PROPOSED DESCRIPTION OF PARCEL B

The North 512.41 feet of the West 325.00 feet of the Northwest Quarter of the Northwest Quarter, all in Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota.

Together with a 66.00 foot easement for ingress and egress, the centerline of which is described as follows:

Commencing at the Northwest corner of the Northwest Quarter of Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota; thence on an assumed bearing of South 0 degrees 05 minutes 35 seconds East along the West line of said Northwest Quarter, a distance of 847.50 feet to its intersection with the South line of the North 847.50 feet of said Northwest Quarter and the actual point of beginning of the centerline to be hereafter described; thence South 89 degrees 02 minutes 42 seconds East, along said South line of the North 847.50 feet, a distance of 693.92 feet; thence South 0 degrees 05 minutes 35 seconds East, parallel with the West line of said Northwest Quarter a distance of 593.68 feet to the South line of the North 121.00 feet of the South half of said Northwest Quarter; thence South 89 degrees 11 minutes 33 seconds East, along said South line of the North 121.00 feet, a distance of 191.31 feet; thence North 1 degree 44 minutes 05 seconds West a distance of 263.69 feet; thence North 60 degrees 16 minutes 02 seconds East a distance of 184.42 feet; thence North 19 degrees 05 minutes 39 seconds East a distance of 105.45 feet; thence North 61 degrees 54 minutes 06 seconds East a distance of 121.02 feet; thence North 28 degrees 14 minutes 47 seconds East a distance of 140.93 feet; thence North 9 degrees 37 minutes 50 seconds West a distance of 143.84 feet; thence North 43 degrees 48 minutes 58 seconds West a distance of 203.72 feet to the South line of the North 512.41 feet of the Northwest Quarter of the Northwest Quarter of said Section 36 and there terminating. Said strip of land to extend by its full width from the East right-of-way line of County State Aid Highway Number 17 to the South line of the North 512.41 feet of the Northwest Quarter of the Northwest Quarter of said Section 36.

PROPOSED DRAINAGE AND UTILITY EASEMENT DESCRIPTION FOR PARCEL A

A perpetual easement for public drainage and utility purposes over, under and across the North 10.00 feet; the South 10.00 feet; the West 10.00 feet; and the East 10.00 feet of the following described property:

The Northeast Quarter of the Northwest Quarter of Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota. Except the South 212 feet thereof.

AND

A 100 foot wide perpetual easement for public drainage and utility purposes over, under and across the following described property:

The Northwest Quarter of the Northwest Quarter of Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota. Except the South 212.00 feet thereof.

The centerline of said easement is described as follows:

Commencing at the northeast corner of said Northwest Quarter of the Northwest Quarter; thence on an assumed bearing of North 89 degrees 27 minutes 40 seconds West, along the north line of said Northwest Quarter of the Northwest Quarter, a distance of 1317.41 feet to the northwest corner of said Northwest Quarter of the Northwest Quarter; thence South 02 degrees 20 minutes 08 seconds East, along the west line of said Northwest Quarter of the Northwest Quarter, a distance of 51.22 feet to the point of beginning of the centerline to be described; thence South 89 degrees 54 minutes 51 seconds East a distance of 455.69 feet; thence South 05 degrees 19 minutes 37 seconds East a distance of 1,108.40 feet to the north line of said South 212.00 feet of the Northwest Quarter of the Northwest Quarter and said centerline there terminating.

The centerline of said easement is to be prolonged or shortened to terminate on said north and west lines of the Northwest Quarter of the Northwest Quarter and said north line of the south 212.00 feet of the Northwest Quarter of the Northwest Quarter.

PROPOSED DRAINAGE AND UTILITY EASEMENT DESCRIPTION FOR PARCEL B

A perpetual easement for public drainage and utility purposes over, under and across the North 10.00 feet; the South 10.00 feet; the West 10.00 feet; and the East 10.00 feet of the following described property:

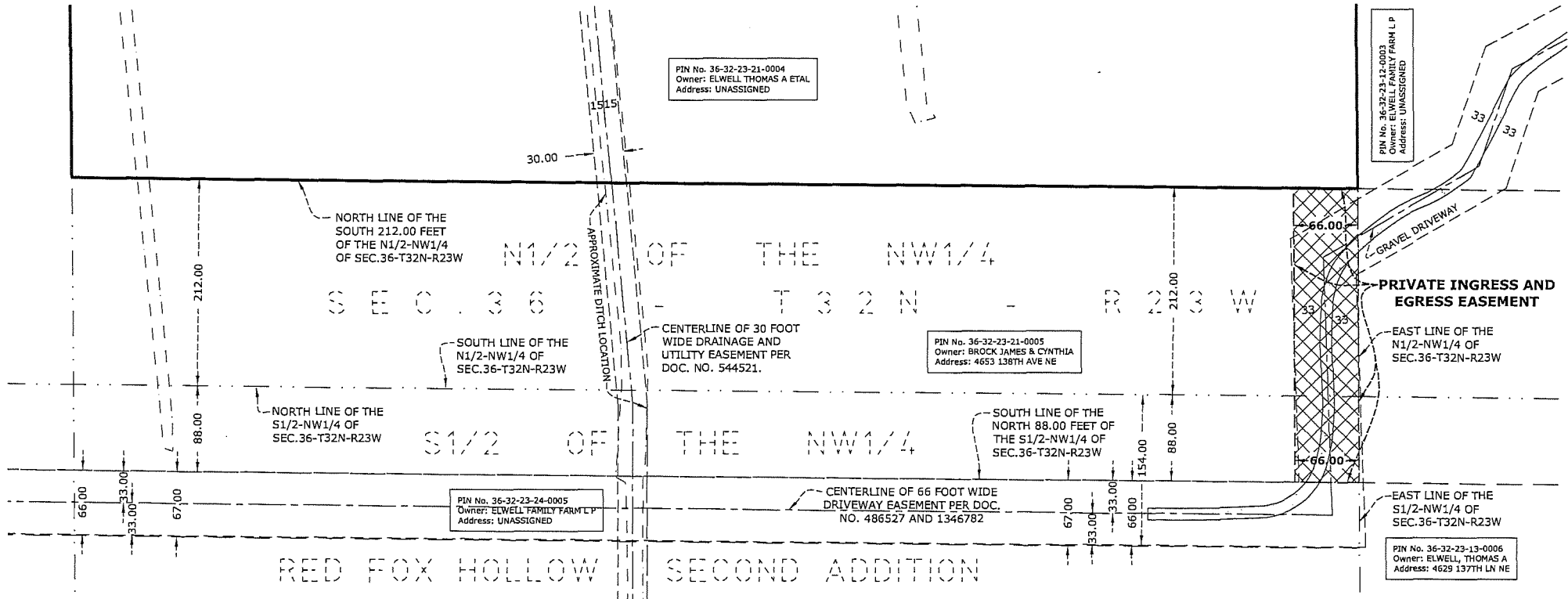
The North 512.41 feet of the West 325.00 feet of the Northwest Quarter of the Northwest Quarter, all in Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota.

NO.	DATE	DESCRIPTION	BY
1	04/26/23	Survey	JEM
2	04/26/23	Review proposed lot lines	JEM
3	04/26/23	Plan, Per City Comments	JEM
4	04/26/23	Plan, Per City Comments	JEM
5	04/26/23	Add Easement Info	JEM
6	04/26/23	Add Prop. Ingress & Egress	JEM
7	04/26/23	Final	JEM

E. G. RUD & SONS, INC.
 Professional Land Surveyors
 6776 Lake Drive NE, Suite 110
 Lino Lakes, MN 55114
 Tel. (651) 361-8200 Fax (651) 361-8701

SKETCH AND DESCRIPTION

~for~ TOM AND SALLY ELWELL
 ~of~ PRIVATE INGRESS AND EGRESS EASEMENT



PRIVATE INGRESS AND EGRESS EASEMENT DESCRIPTION

A perpetual easement for ingress and egress purposes over and across the east 66.00 feet of the following described property:

The north 88.00 feet of the South Half of the Northwest Quarter and the south 212.00 feet of the North Half of the Northwest Quarter, all in Section 36, Township 32 North, Range 23 West, Anoka County, Minnesota.

NORTH

GRAPHIC SCALE



1 INCH = 100 FEET

LEGEND



DENOTES PRIVATE INGRESS AND EGRESS EASEMENT (19,802 S.F., MORE OR LESS)

PIN No. 17-119-22-14-0008
Owner: City of X
Address: Unassigned

DENOTES ADJACENT PARCEL OWNER INFORMATION (PER ANOKA COUNTY TAX INFORMATION)

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

By:
Minnesota License No. 41578

Dated 5th day of September, 2023.

BEARING DATUM: County

SCALE: 1" = 100'

REVISIONS

JOB NO. 200733PP

NO.	DATE	DESCRIPTION	BY
1			
2			
3			

DATE: 09-05-23

DRAWN BY: JEN

CREW: TBD

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



1"=400'

RLS NO. 274

HIDDEN FOREST
EAST PARK
ADDITION

MARMO

141 AVE.

145TH AVE.

HIDDEN
EAST 21

R-1

144TH AVE.

143RD AVE.

HIDDEN FOREST
EAST

RLS NO. 274

141ST LN.

26 25
35 36

4611

FRAIZER ST.
ELWELL
HEIGHTS

R-A

R-1

138TH AVE.

GHIA ST.

ISETTA ST.

137TH LN.

RED FOX HOLLOW
2ND ADDN

RED FOX
HOLLOW

TH AVE.

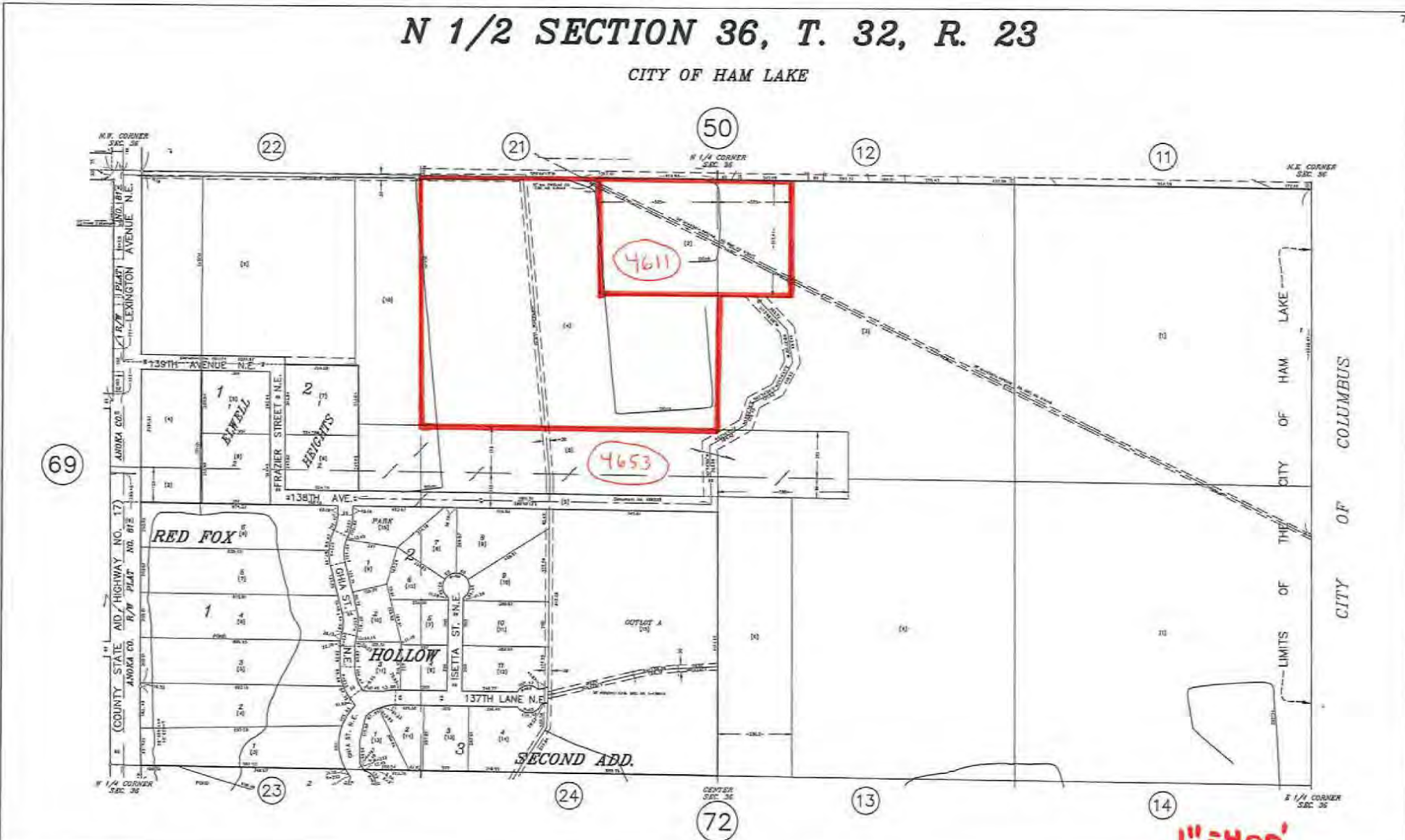
GHIA

LEXINGTON AVE. (CSAH 17)

1" = 600'

N 1/2 SECTION 36, T. 32, R. 23

CITY OF HAM LAKE



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

QUARTER QUARTER INDEX

22	21	12	11
23	24	13	14
37	31	42	41
33	34	43	44

NORTH HALF OF SECTION

SOUTH HALF OF SECTION

PROPERTY IDENTIFICATION NUMBER

Section Number	Township Number	Range Number	Quarter	Specific Parcel
XX	XX	XX	XX	XXXX

SPECIFIC PARCEL NUMBERS ARE IN BRACKETS: (1)
EXAMPLE OF PIN NUMBER: 36-12-23-13-0006

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

**Tradewell Soil Testing
18330 Dahlia Street NW
Cedar, MN 55011**

Date: April 24th, 2023

Name: Tom Elwell

Address: 4629 137th Lane NE, Ham Lake, MN

SOIL BORING TEST REPORT

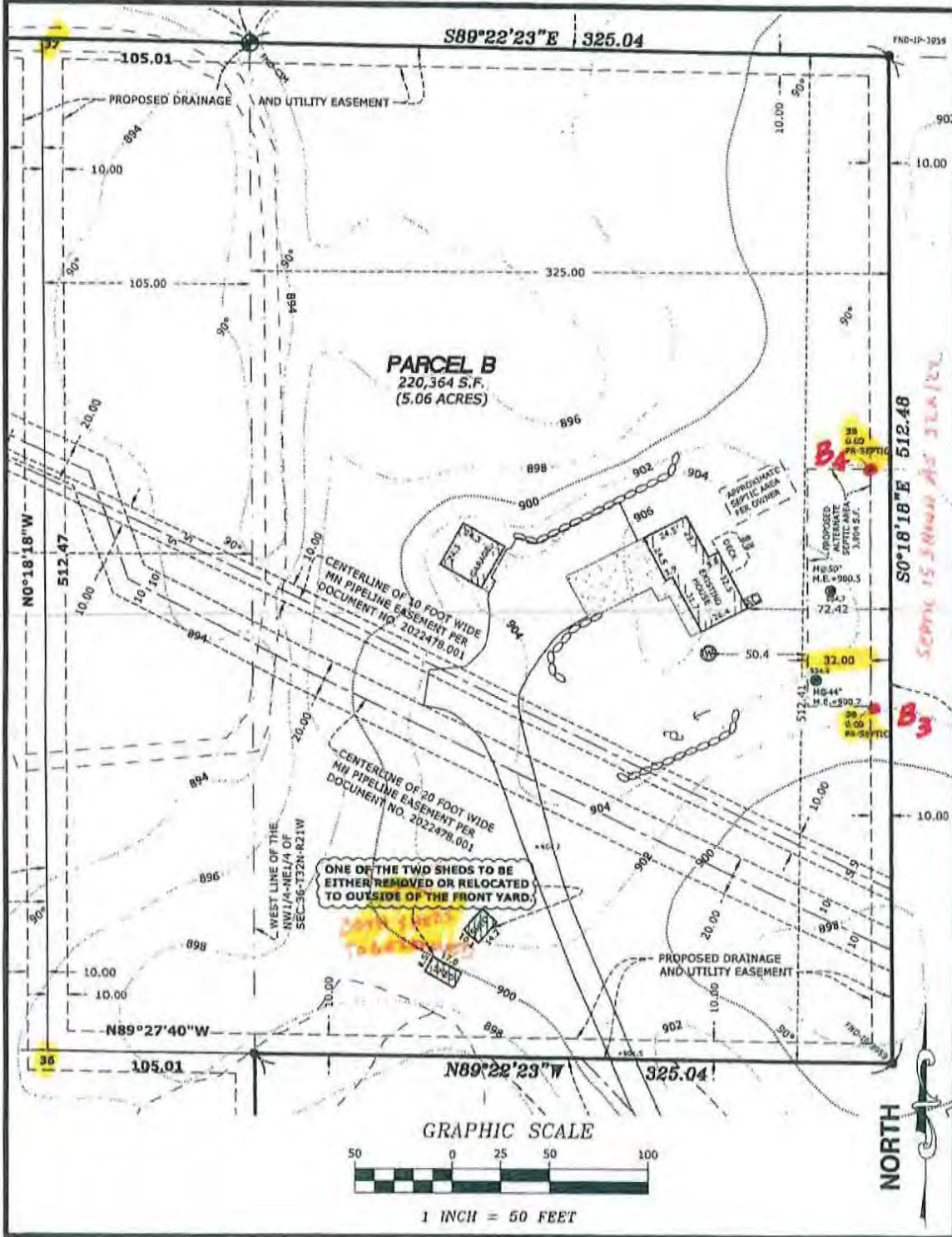
Boring #1	Boring #2	Boring #3	Boring #4
0"- 10" Topsoil (Fill) Loamy Fine Sand 10YR 3/1	0"- 10" Topsoil (Fill) Loamy Fine Sand 10YR 3/1	0"- 10" Topsoil Loamy Fine Sand 10YR 3/1 3/2	0"- 8" Topsoil Loamy Fine Sand 10YR 3/1 3/2
10"- 26" Fine Sand 10YR 4/4	10"- 26" (Fill) Fine Sand (Mottled)	10"- 30" Fine Sand 10YR 4/6 4/4	8"- 20" Fine Sand 10YR 3/4 4/4
26"- 62" Medium Fine Sand 10YR 5/4	26"- 64" Medium Fine Sand 10YR 5/4 5/3	30"- 40" Fine Sand 10YR 4/3 5/3	20"- 48" Fine Sand 10YR 5/4 5/3
	With Loamy Bands 7.5YR 4/4		
Mottles @ 44" Dry Hole	Mottles @ 50" Dry Hole	Mottles @ 14" Dry Hole	Mottles @ 20" Dry Hole



Mark Tradewell
MPCA #307

36,168902.7208,529235.5487,0.0000,prlc
37,169415.1792,529232.8210,0.0000,prlc
38,169201.8718,529653.9623,0.0000,PR-SEPTIC
39,169079.8735,529654.6117,0.0000,PR-SEPTIC

DETAIL





CITY OF HAM LAKE

15544 Central Avenue NE
Ham Lake, MN 55304

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

PLANNING REQUEST

Date of Application 8-15-2023

Date of Receipt _____
Receipt # _____

Meeting Appearance Dates:

Planning Commission 9-25-23

City Council 10-2-23

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 alterations and future road connections. This application also requires a Public Hearing. Such fees shall be deducted from deposit.*

Development/Business Name: HFN Properties, LLC / Hidden Forest east 4th

Address/Location of property: EAST OF LEXINGTON - 143rd

Legal Description of property:

PIN # 24-32-23-44-0001 + 25-32-23-12-0002
25-32-23-11-0002 + 0008 Current Zoning R-1 Proposed Zoning —

Notes: _____

Applicant's Name: JEFF STAIBUGER

Business Name: HFN Properties, LLC

Address 17404- WARD LK. Dr. NW

City Andover State MN Zip Code 55304

Phone _____ Cell Phone 612-799-1471 Fax _____

Email address STALLY68@MSN.COM

You are advised that the 60-day review period required by Minnesota Statutes Chapter 15.99 does not begin to run until all of the required items have been received by the City of Ham Lake.

SIGNATURE [Signature] DATE 8-15-2023

- FOR STAFF USE ONLY -

ACTION BY: Planning Commission 9-25-23
City Council _____

PROPERTY TAXES CURRENT YES NO

Memorandum

Date: September 21, 2023
To: Planning Commissioners
From: David A. Krugler, City Engineer
Subject: Hidden Forest East 4th Addition



Introduction:

The Final Plat, Title Sheet, Preliminary Plat, Grading, Erosion Control and Tree Protection Plan, Livability Plan, Livability Chart, and Floodplain Exhibit were received September 19th and the FEMA Exhibit was received September 20th. The Utility Plan – Storm Sewer Plan/Profile, Outlet Structures, Details, Stormwater Pollution Prevention Plan and Stormwater Drainage Report were received May 16th for the 22-lot residential development located on the 112.96 combined acres of contiguous 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.

Discussion:

The Final Plat conforms to the Preliminary Plat and Plans that received City Council approval on July 5th. Outlots A, B and C will be required to be conveyed to adjacent properties within the Development Agreement. These Outlots are anticipated to be included in future platting.

The dedication of Hidden Forest East Park Addition parkland was compensation for parkland dedication of 56.67 acres of Hidden Forest East 3rd Addition and 9.57 acres of Hidden Forest East 4th Addition per the attached memo from Attorney Murphy. The final plat for Hidden Forest East 3rd Addition showed three lots relabeled as Outlot A from the preliminary plat. The City collects a maximum of \$2,500 per lot depending on upland area for each lot. Per correspondence with Public Works Superintendent John Witkowski, it is recommended that parkland dedication fees be collected for the remaining 103.39 acres 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 through 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 sewer pipe that will cross the drainage and utility easement. FEMA Letters of Map Amendments are required for Lots 1, 2, 3, 5, 6 and 7 of Block 1, and Lots 2 and 3 of Block 3. The Development Agreement will stipulate that these lots are not eligible for a building permit until the Letter of Map Amendment is approved by FEMA. The yard area for Lot 1 Block 2 is identified within the right-of-way of the Hidden Forest East 3rd Addition plat as shown in the attached vacation exhibit. A public hearing will be scheduled for the vacation of the roadway and cul-de-sac as dedicated with the Hidden Forest East 3rd Addition plat.

The NPDES/MPCA Construction Stormwater Permit has been obtained, the Wetland Bank Credit Withdrawal was verified and the DNR Endangered Plants Takings Permit submittal was received. The Coon Creek Watershed District issued the attached Permit on July 25th. The Permit was amended when a Geotechnical Evaluation Report was received on August 7th 2023 which identified higher groundwater levels than was shown in February 2023 Water Level Readings Memo taken between November 2022 and February 2023 that the low floor elevations were based on for the Preliminary Plat approval. As a result of this Report, the low floors elevations have been adjusted in the revised plans.

Recommendations:

It is recommended that the Final Plat of Hidden Forest East 4th Addition be recommended for approval.

PRELIMINARY COPY
UNRECORDED AS OF 09-13-23

HIDDEN FOREST EAST FOURTH ADDITION

CITY OF HAM LAKE
COUNTY OF ANOKA
SEC. 24 & 25, T32N, R23W

KNOW ALL PERSONS BY THESE PRESENTS: That HFN Properties, LLC, a Minnesota limited liability company, owner of the following described property:

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.

AND

Vacated Stutz Street, described as follows:

That part of Stutz Street as dedicated on the recorded plat of HIDDEN FOREST EAST THIRD ADDITION, Anoka County, Minnesota, which lies north of the westerly extension of the northerly line of Lot 9, Block 3, HIDDEN FOREST EAST THIRD ADDITION.

Has caused the same to be surveyed and platted as HIDDEN FOREST EAST FOURTH ADDITION and does hereby dedicate to the public for public use the public ways and the drainage and utility easements as shown on this plat.

In witness whereof said HFN Properties, LLC, a Minnesota limited liability company, has caused these presents to be signed by its proper officer this _____ day of _____, 20__.

HFN PROPERTIES, LLC

Jeffrey A. Stalberger, Co-administrator

STATE OF _____
COUNTY OF _____

This instrument was acknowledged before me this _____ day of _____, 20__ by Jeffrey A. Stalberger, Co-administrator of HFN Properties, LLC, a Minnesota limited liability company.

(Signature)

Notary Public, _____ County, Minnesota
My Commission Expires _____

I Jason E. Rud do hereby certify that this plat was prepared by me or 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 boundary survey; that all mathematical data and labels are correctly 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 wet lands, as defined in Minnesota Statutes, Section 505.01, Subd. 3, 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

STATE OF MINNESOTA
COUNTY OF _____

This instrument was acknowledged before me this _____ day of _____, 20__ by Jason E. Rud.

(Signature)

Notary Public, _____ County, Minnesota
My Commission Expires _____

CITY COUNCIL, CITY OF HAM LAKE, MINNESOTA

This plat of HIDDEN FOREST EAST FOURTH ADDITION was approved and accepted by the City Council of the City of Ham Lake, Minnesota at a regular meeting thereof held this _____ day of _____, 20__, and said plat is in compliance with the provisions of Minnesota Statutes, Section 505.03, Subd. 2.

City Council, City of Ham Lake, Minnesota

By _____ Mayor By _____ Clerk

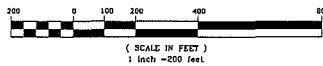
COUNTY SURVEYOR

I hereby certify that in accordance with Minnesota Statutes, Section 505.021, Subd. 11, this plat has been reviewed and approved this _____ day of _____, 20__.

David M. Ziegler
Anoka County Surveyor



NORTH



LEGEND

- DENOTES 1/2 INCH IRON PIPE MONUMENT FOUND, MARKED RLS NO. 41578, UNLESS OTHERWISE SHOWN
- DENOTES 1/2 INCH BY 1 1/4 INCH IRON PIPE SET, MARKED RLS NO. 41578
- ⊕ DENOTES ANOKA COUNTY MONUMENT
- DENOTES FOUND CONCRETE MONUMENT
- DENOTES WETLAND EDGE AS DELINEATED BY KJOLHAUG ENVIRONMENTAL SERVICE COMPANY IN SEPTEMBER 2022.

FOR THE PURPOSES OF THIS PLAT, THE SOUTH LINE OF TRACT A, REGISTERED LAND SURVEY NO. 290, IS ASSUMED TO HAVE A BEARING OF SOUTH 89 DEGREES 17 MINUTES 44 SECONDS EAST.

COUNTY AUDITOR/TREASURER

Pursuant to Minnesota Statutes, Section 505.021, Subd. 9, taxes payable in the year 20__ on the land hereinafter described have been paid. Also, pursuant to Minnesota Statutes, Section 272.12, there are no delinquent taxes and transfer entered this day of _____, 20__.

Property Tax Administrator

By _____ Deputy

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

I hereby certify that this plat of HIDDEN FOREST EAST FOURTH ADDITION was filed in the office of the County Recorder/Registrar of Titles for public record on this _____ day of _____, 20__, at _____ o'clock _____ M, and was duly recorded as Document Number _____

County Recorder/Registrar of Titles

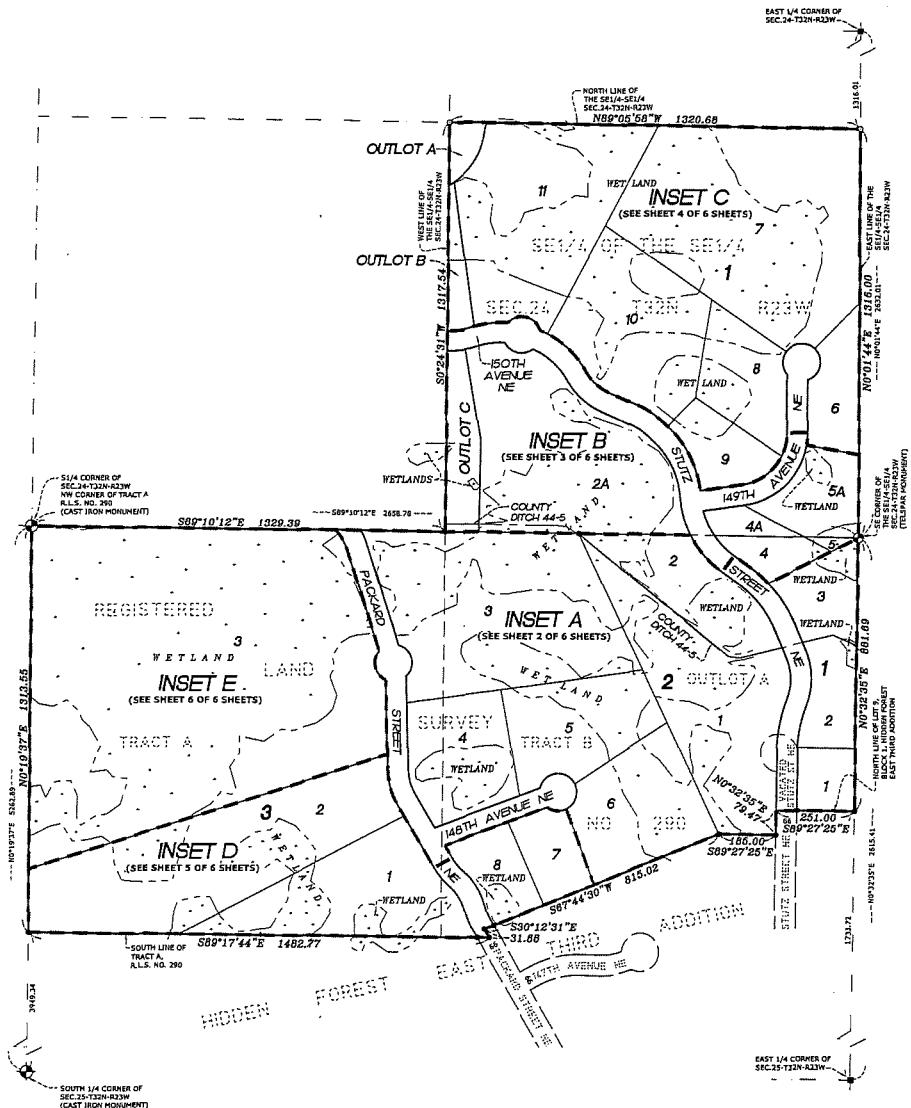
By _____ Deputy

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

I hereby certify that this plat of HIDDEN FOREST EAST FOURTH ADDITION was filed in the office of the County Recorder/Registrar of Titles for public record on this _____ day of _____, 20__, at _____ o'clock _____ M, and was duly recorded as Document Number _____

County Recorder/Registrar of Titles

By _____ Deputy

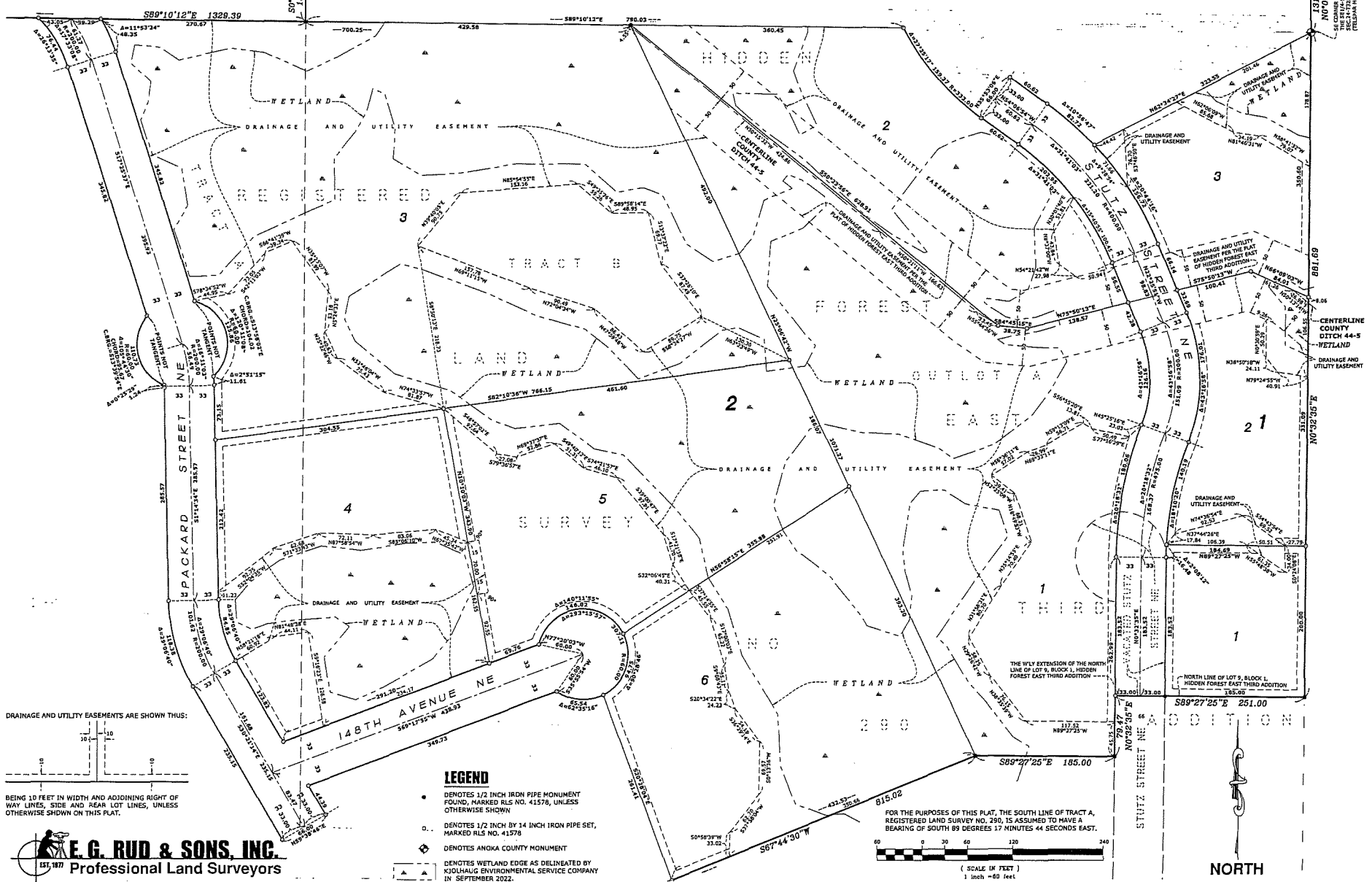


PRELIMINARY COPY
UNRECORDED AS OF 09-13-23

INSET A

HIDDEN FOREST EAST FOURTH ADDITION

CITY OF HAM LAKE
COUNTY OF ANOKA
SEC. 24 & 25, T32N, R23W



DRAINAGE AND UTILITY EASEMENTS ARE SHOWN THUS:

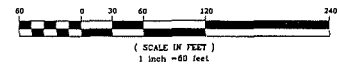


BEING 10 FEET IN WIDTH AND ADJOINING RIGHT OF WAY LINES, SIDE AND REAR LOT LINES, UNLESS OTHERWISE SHOWN ON THIS PLAT.

LEGEND

- DENOTES 1/2 INCH IRON PIPE MONUMENT FOUND, MARKED RLS NO. 41578, UNLESS OTHERWISE SHOWN.
- DENOTES 1/2 INCH BY 14 INCH IRON PIPE SET, MARKED RLS NO. 41578
- ◆ DENOTES ANOKA COUNTY MONUMENT
- ▲ DENOTES WETLAND EDGE AS DELINEATED BY KODIAKUG ENVIRONMENTAL SERVICE COMPANY IN SEPTEMBER 2022.

FOR THE PURPOSES OF THIS PLAT, THE SOUTH LINE OF TRACT A, REGISTERED LAND SURVEY NO. 290, IS ASSUMED TO HAVE A BEARING OF SOUTH 89 DEGREES 17 MINUTES 44 SECONDS EAST.



E. G. RUD & SONS, INC.
Professional Land Surveyors
EST. 1977

NO 00144 E
RECORDED IN THE
COUNTY OF ANOKA
PLAT BOOK 1000

CENTERLINE
COUNTY
DITCH 44-5
WETLAND

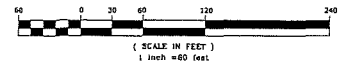
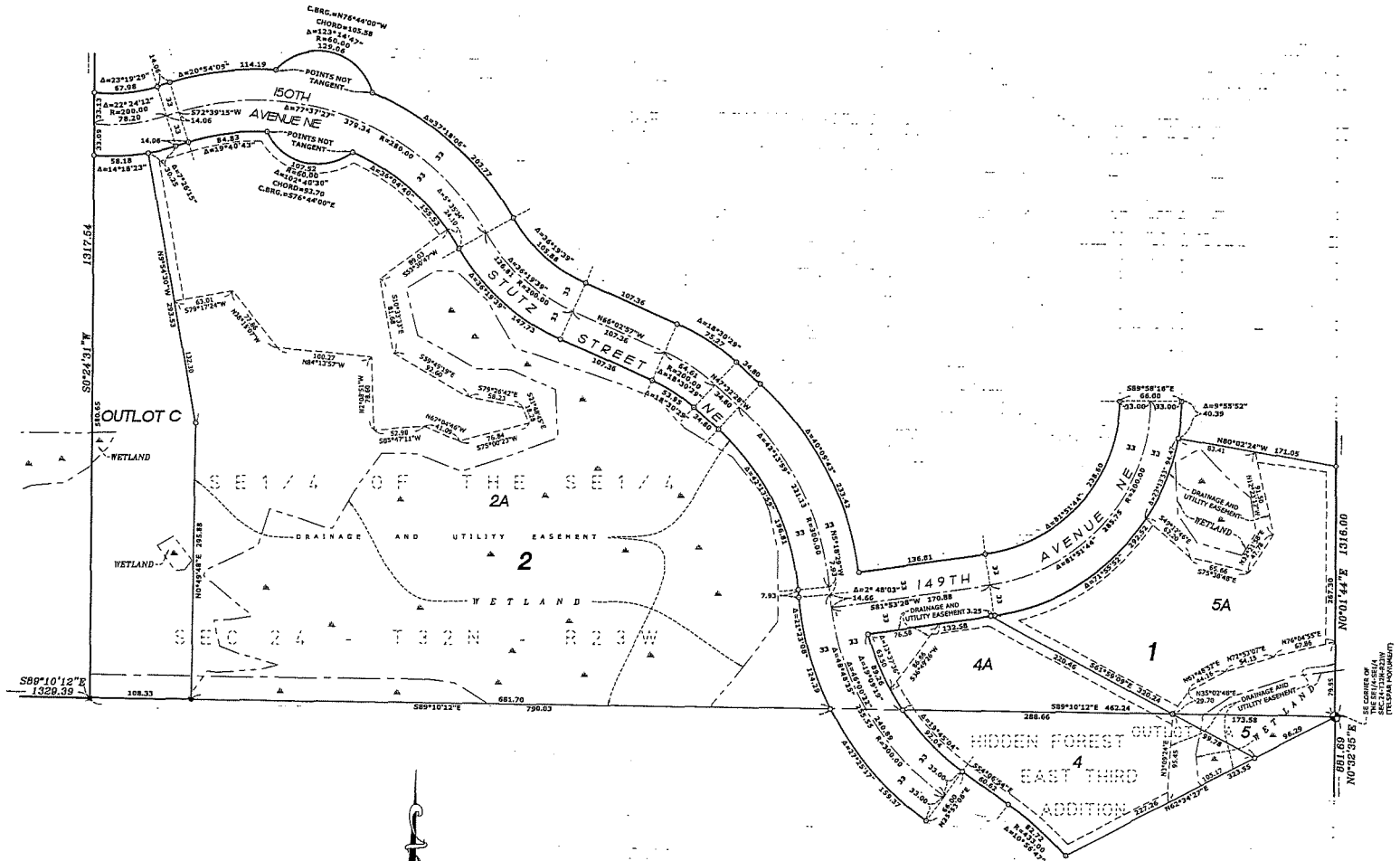
NORTH

PRELIMINARY COPY
UNRECORDED AS OF 09-13-23

INSET B

HIDDEN FOREST EAST FOURTH ADDITION

CITY OF HAM LAKE
COUNTY OF ANOKA
SEC. 24 & 25, T32N, R23W



LEGEND

- DENOTES 1/2 INCH IRON PIPE MONUMENT FOUND, MARKED ALS NO. 41576, UNLESS OTHERWISE SHOWN
- DENOTES 1/2 INCH BY 14 INCH IRON PIPE SET, MARKED ALS NO. 41578
- ◊ DENOTES ANOKA COUNTY MONUMENT
- ▲ DENOTES WETLAND EDGE AS DELINEATED BY KOLLAIG ENVIRONMENTAL SERVICE COMPANY IN SEPTEMBER 2022.

DRAINAGE AND UTILITY EASEMENTS ARE SHOWN THUS:



FOR THE PURPOSES OF THIS PLAT, THE SOUTH LINE OF TRACT A, REGISTERED LAND SURVEY NO. 250, IS ASSUMED TO HAVE A BEARING OF SOUTH 89 DEGREES 17 MINUTES 44 SECONDS EAST.

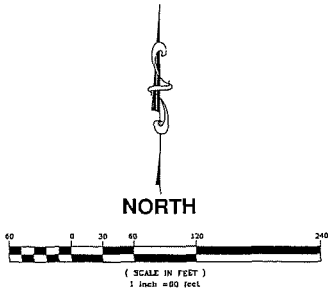
BEING 10 FEET IN WIDTH AND ADJOINING RIGHT OF WAY LINES, SIDE AND REAR LOT LINES, UNLESS OTHERWISE SHOWN ON THIS PLAT.

PRELIMINARY COPY
UNRECORDED AS OF 09-13-23

INSET C

HIDDEN FOREST EAST FOURTH ADDITION

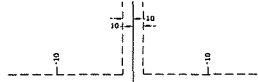
CITY OF HAM LAKE
COUNTY OF ANOKA
SEC. 24 & 25, T32N, R23W



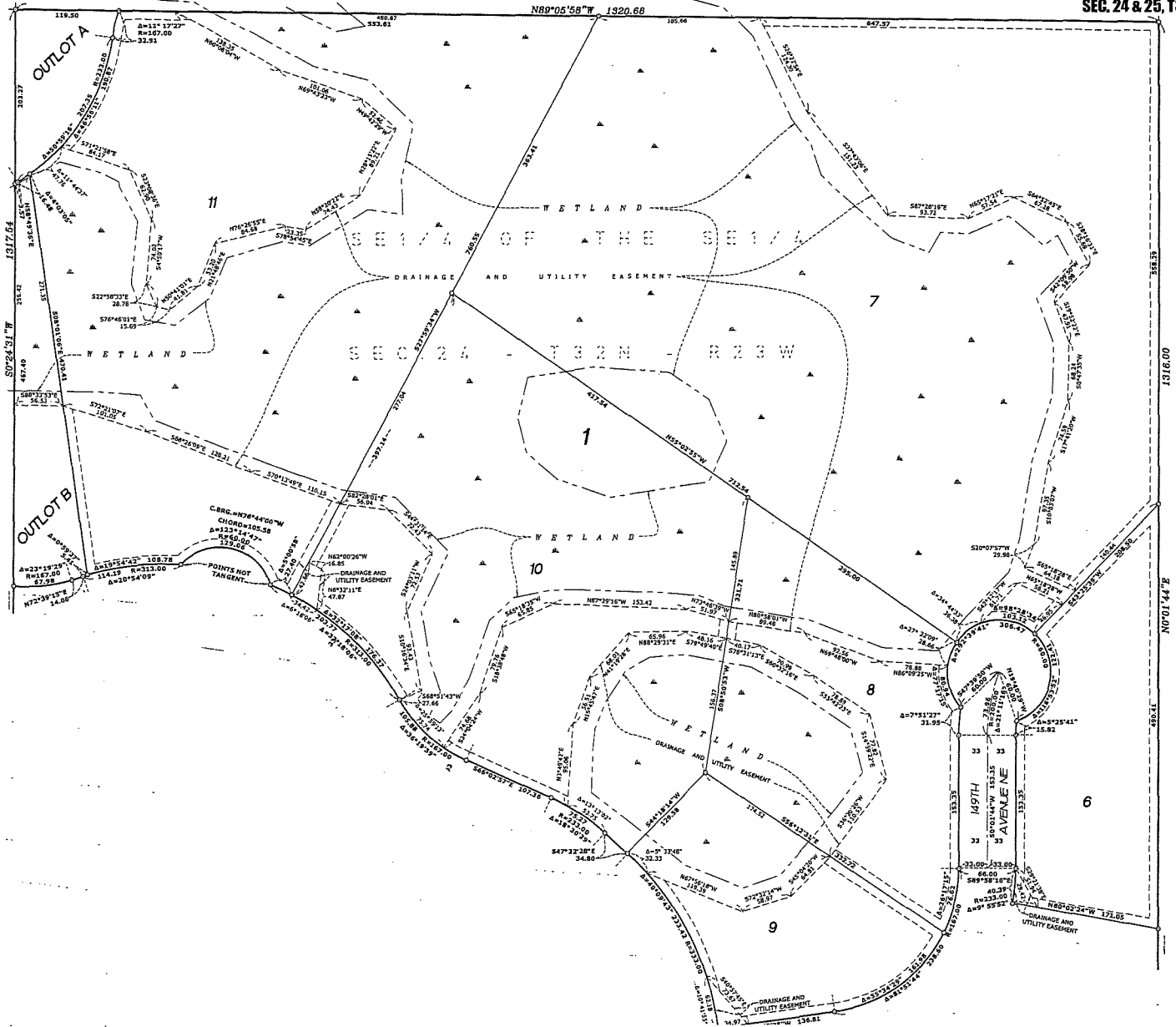
LEGEND

- DENOTES 1/2 INCH BY 1/4 INCH IRON PIPE SET, MARKED RLS NO. 41578
 - △ DENOTES WETLAND EDGE AS DELINEATED BY KJOLHAUG ENVIRONMENTAL SERVICE COMPANY IN SEPTEMBER 2022.
- FOR THE PURPOSES OF THIS PLAT, THE SOUTH LINE OF TRACT A, REGISTERED LAND SURVEY NO. 230, IS ASSUMED TO HAVE A BEARING OF SOUTH 89 DEGREES 17 MINUTES 44 SECONDS EAST.

DRAINAGE AND UTILITY EASEMENTS ARE SHOWN THUS:



BEING 10 FEET IN WIDTH AND ADJOINING RIGHT OF WAY LINES, SIDE AND REAR LOT LINES, UNLESS OTHERWISE SHOWN ON THIS PLAT.

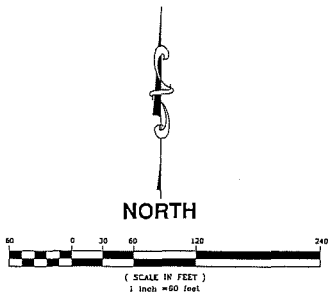
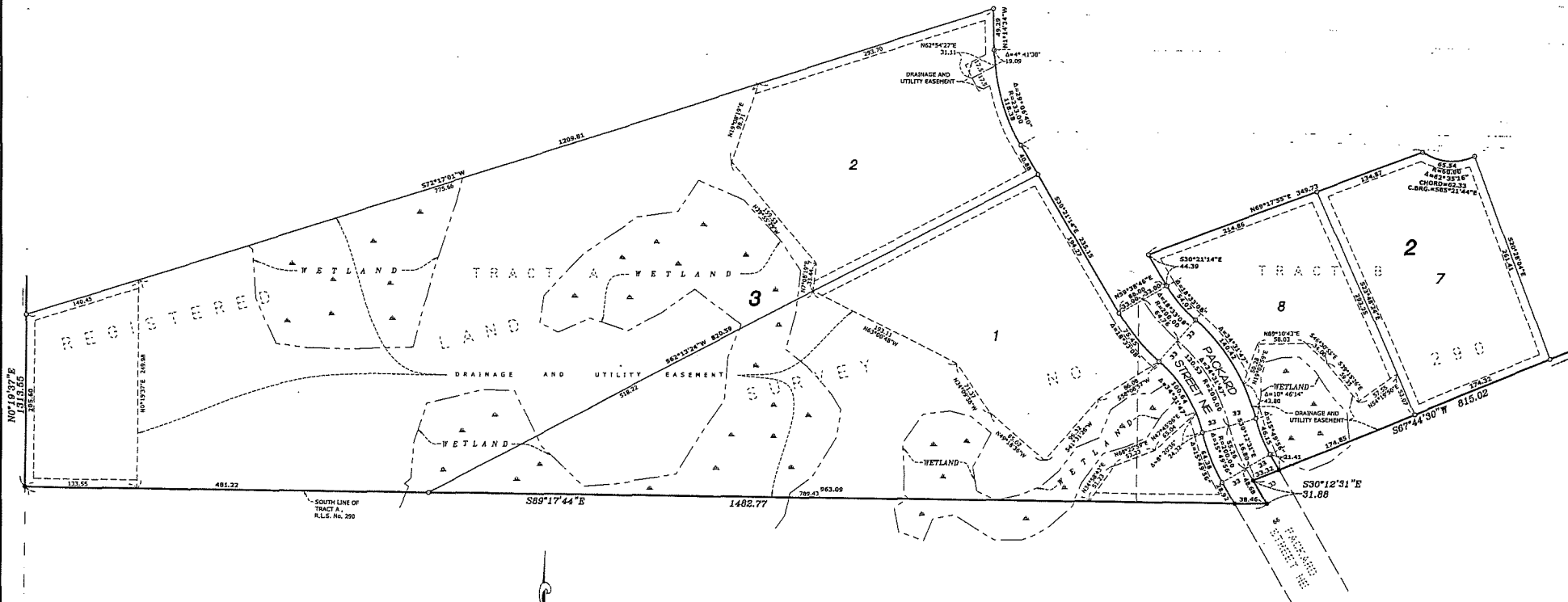


PRELIMINARY COPY
 UNRECORDED AS OF 09-13-23

INSET D

HIDDEN FOREST EAST FOURTH ADDITION

CITY OF HAM LAKE
COUNTY OF ANOKA
SEC. 24 & 25, T32N, R23W



LEGEND

- DENOTES 1/2 INCH IRON PIPE MONUMENT FOUND, MARKED RLS NO. 41578, UNLESS OTHERWISE SHOWN
- DENOTES 1/2 INCH BY 14 INCH IRON PIPE SET, MARKED RLS NO. 41576
- ▲ ▲ DENOTES WETLAND EDGE AS DELINEATED BY KOOLHAUG ENVIRONMENTAL SERVICE COMPANY IN SEPTEMBER 2022.

DRAINAGE AND UTILITY EASEMENTS ARE SHOWN THIS:



FOR THE PURPOSES OF THIS PLAT, THE SOUTH LINE OF TRACT A, REGISTERED LAND SURVEY NO. 290, IS ASSUMED TO HAVE A BEARING OF SOUTH 89 DEGREES 17 MINUTES 44 SECONDS EAST.

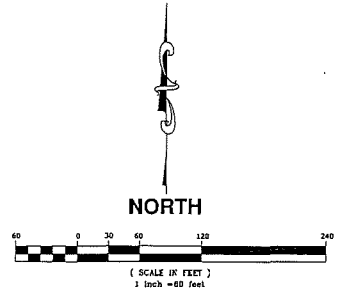
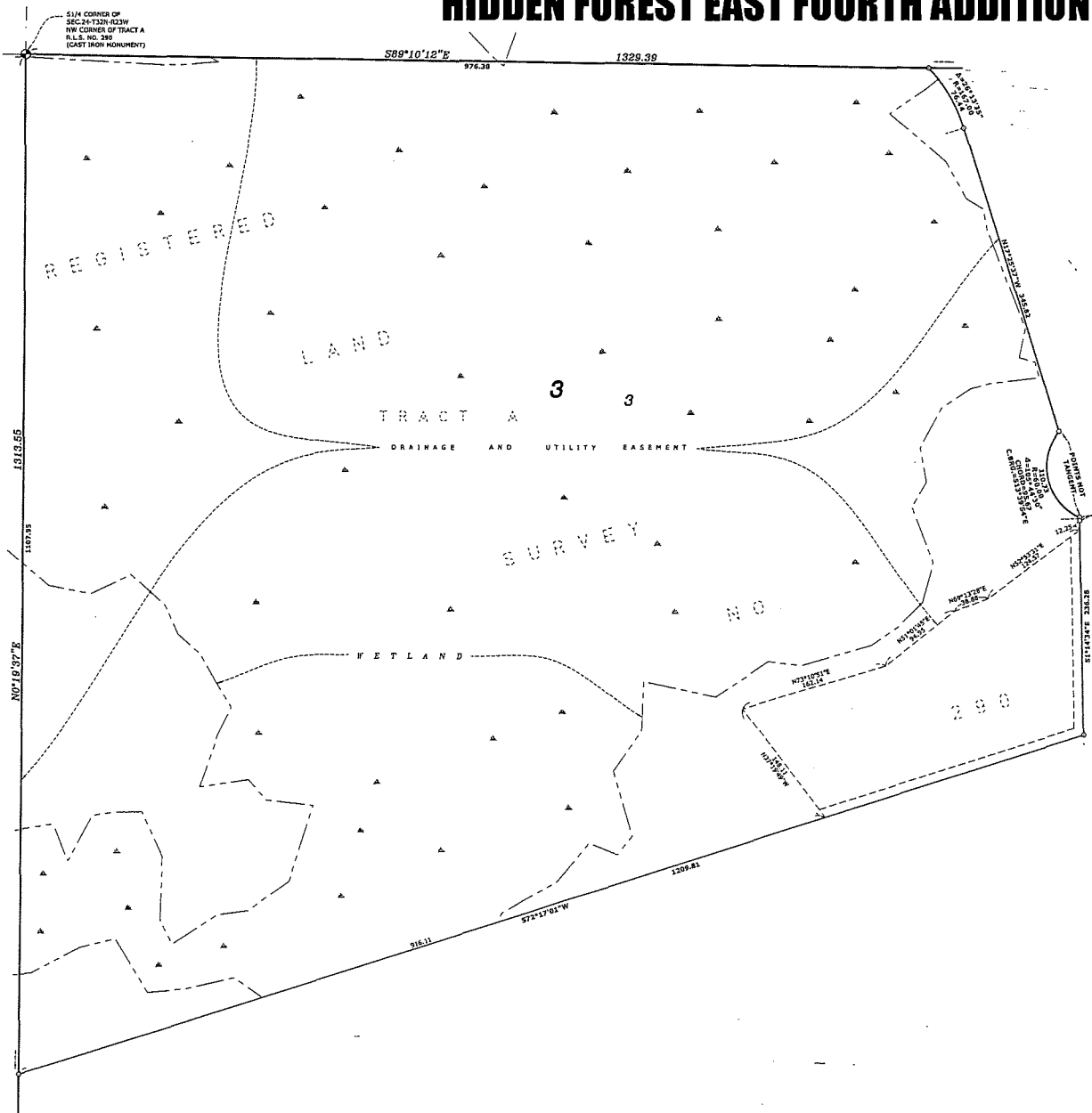
BEING 10 FEET IN WIDTH AND ADDING RIGHT OF WAY LINES, SIDE AND REAR LOT LINES, UNLESS OTHERWISE SHOWN ON THIS PLAT.

**PRELIMINARY COPY
UNRECORDED AS OF 09-13-23**

INSET E

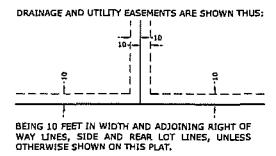
HIDDEN FOREST EAST FOURTH ADDITION

**CITY OF HAM LAKE
COUNTY OF ANOKA
SEC. 24 & 25, T32N, R23W**



- LEGEND**
- DENOTES 1/2 INCH BY 14 INCH IRON PIPE SET, MARKED ALS NO. 41578
 - ◆ DENOTES ANOKA COUNTY MONUMENT
 - ▲ DENOTES WETLAND EDGE AS DELINEATED BY KOOLHAUG ENVIRONMENTAL SERVICE COMPANY IN SEPTEMBER 2022.

FOR THE PURPOSES OF THIS PLAT, THE SOUTH LINE OF TRACT A, REGISTERED LAND SURVEY NO. 290, IS ASSUMED TO HAVE A BEARING OF SOUTH 89 DEGREES 17 MINUTES 44 SECONDS EAST.

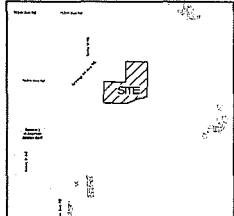


TITLE SHEET

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

VICINITY MAP

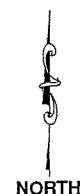
PART OF SECS. 24 AND 25, TWP. 32, RNG. 23



ANOKA COUNTY, MINNESOTA
 (NO SCALE)

SHEET INDEX

T1	TITLE SHEET
2-3	PRELIMINARY PLAT
4-8	GRADING PLAN
9-13	LIVABILITY PLAN
14-15	LIVABILITY CHART
16	FLOODPLAIN EXHIBIT
C1.1 - C1.6	PLAN / PROFILES
C2.1 - C2.3	DETAILS & NOTES
C3.1 - C3.2	STORMWATER POLLUTION PREVENTION PLAN



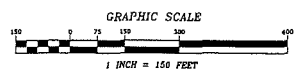
FORGING CALCULATORS
 AND STORM WATER DESIGN BY
 PLOWE ENGINEERING, INC.

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

SITE PLANNING & ENGINEERING PHONE: (651) 261-8210 FAX: (651) 261-8751

I HEREBY CERTIFY THAT THE STORMWATER MANAGEMENT AND DRAINAGE REPORT FOR THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Adam Ornel
 ADAM ORNEL
 DATE: 09.19.2023 LIC. NO. 43883



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
 JASON E. RUD
 Date: 09/19/2023 License No. 43578

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

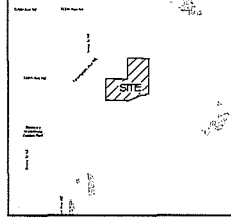
CHK	BY	DATE	DESCRIPTION
1	09/19/23	ADAM ORNEL	CITY / WATERSHED COMMENTS
2	09/19/23	JASON E. RUD	CITY / WATERSHED COMMENTS
3	09/19/23	JASON E. RUD	CITY / WATERSHED COMMENTS
4	09/19/23	JASON E. RUD	LOIS 13.6 & 10 BLOCK 1
5			

PRELIMINARY PLAT

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

VICINITY MAP

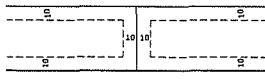
PART OF SECS. 24 AND 25, TWP. 32, RNG. 23



ANOKA COUNTY, MINNESOTA
 (NO SCALE)

TYPICAL EASEMENTS

(NOT TO SCALE)



BEING 10 FEET IN WIDTH ADJOINING RIGHT OF WAY LINES
 AND 10 FEET IN WIDTH ADJOINING LOT LINES UNLESS
 OTHERWISE SHOWN.

LEGEND

- DENOTES ANOKA COUNTY CAST IRON MONUMENT
- DENOTES LINEAR CONTOURS (2' INTERVAL)
- DENOTES DRAINAGE AND UTILITY EASEMENT
- DENOTES BUILDING SETBACK LINE
- DENOTES WETLAND LINE DELINEATED BY KODJAVE ENVIRONMENTAL SERVICES INC.
- DENOTES WETLAND BUFFER LINE
- DENOTES APPROXIMATE FEMA FLOOD ZONE A LINE FROM FEMA FLOOD INSURANCE RATE MAP NO. 27002C035E PANEL NO. 0355 SUFFIX E, EFFECTIVE DATE DECEMBER 19TH, 2015.
- DENOTES PLANT SPECIES LOCATED BY STANTEC CONSULTING SERVICES, INC.
- DENOTES WETLAND FILL
- DENOTES EXISTING AREA 1' ABOVE MOTTLING
- DENOTES ADJACENT PARCEL OWNER INFORMATION (PER ANOKA COUNTY TAX INFORMATION)

NOTES

- Bearings shown are on Anoka County Datum.
- Parcel ID Number: 24-32-23-44-0001, 24-32-23-44-0002, 24-32-23-44-0003, 24-32-23-44-0004
- OWNERS: HFN PROPERTIES, LLC, KNOLL FAMILY LIMITED PARTNERSHIP, BEVELL, REBECCA M

DEVELOPMENT DATA

- TOTAL SITE AREA = 112.864 ACRES
- OUTLOT AREA = 2.354 ACRES
- 22 PROPOSED SINGLE FAMILY LOTS
- 3 PROPOSED OUTLOTS
- AVERAGE LOT SIZE = 5.034 ACRES
- MINIMUM STREET FRONTAGE = 200 FEET
- MINIMUM LOT SIZE = 1.50 ACRES (INCLUDING HALF OF STREET ROW)
- PROPOSED ZONING = R-1
- BUILDING SETBACKS: FRONT = 30 FEET, SIDE = 10 FEET, REAR = 50 FEET, COUNTY ROAD = 50 FEET

MATCHLINE: SEE SHEET 3

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 R. RUD
 Date: 09/19/2023 License No. 41578

PROPERTY DESCRIPTION

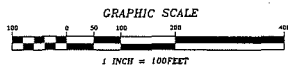
OUTLOT A, HIDDEN FOREST EAST THIRD ADDITION, Anoka County, Minnesota.
 AND
 Tracts A and B, REGISTERED LAND SURVEY NO. 290, Anoka County, Minnesota.
 AND
 The Southeast Quarter of the Southeast Quarter of Section 24, Township 32, Range 23, Anoka County, Minnesota

NO.	DATE	DESCRIPTION	BY
1	02/11/23	CITY / WATERDEPT COMMENTS	MHD
2	04/11/23	CITY / WATERDEPT COMMENTS	MHD
3	06/02/23	72' SETBACK PAD LOCATION	MHD
4		LOTS 5, 6, 10 BLOCK 1	
5	08/18/23	LOT 4 RE. BLOCK 1 EASEMENT	MHD
6			



NORTH

E. G. RUD & SONS, INC.
 Professional Land Surveyors
 6776 Lake Drive NE, Suite 110
 Lino Lakes, MN 55114
 Tel. (651) 361-8200 Fax (651) 361-8701

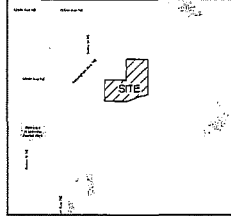


PRELIMINARY PLAT

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

VICINITY MAP

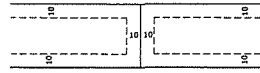
PART OF SECS. 24 AND 25, TWP. 32, RNG. 23



ANOKA COUNTY, MINNESOTA
 (NO SCALE)

TYPICAL EASEMENTS

(NOT TO SCALE)



BEING 10 FEET IN WIDTH ADJOINING RIGHT OF WAY LINES
 AND 10 FEET IN WIDTH ADJOINING LOT LINES UNLESS
 OTHERWISE SHOWN.

LEGEND

- DENOTES ANOKA COUNTY EAST IRON MONUMENT
- DENOTES LIDAR CONTOURS (2' INTERVAL)
- DENOTES DRAINAGE AND UTILITY EASEMENT
- DENOTES BUILDING SETBACK LINE
- DENOTES WETLAND LINE DELINEATED BY KOLHAUG ENVIRONMENTAL SERVICES, INC.
- DENOTES WETLAND BUFFER LINE
- DENOTES APPROXIMATE FEMA FLOOD ZONE A LINE FROM FEMA FLOOD INSURANCE RATE MAP NO. 270303315E PANEL NO. 0355 SUPPLY E, EFFECTIVE DATE DECEMBER 16TH, 2015.
- DENOTES PLANT SPECIES LOCATED BY STANTEC CONSULTING SERVICES, INC.
- DENOTES WETLAND FILL
- DENOTES EXISTING AREA 1' ABOVE MHTLLNG
- DENOTES ADJACENT PARCEL OWNER INFORMATION (PER ANOKA COUNTY TAX INFORMATION)

NOTES

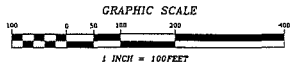
- Bearings shown are on Anoka County datum.
- Parcel ID Numbers:
 - 24-32-23-44-0001
 - 25-32-23-12-0002
 - 25-32-23-11-0002
 - 25-32-23-11-0008

OWNERS: HFN PROPERTIES, LLC
 HINDLE FAMILY LIMITED PARTNERSHIP
 BEVELL, REBECCA H

DEVELOPMENT DATA

- TOTAL SITE AREA = 312.964 ACRES
- OUTLOT AREA = 2.354 ACRES
- 22 PROPOSED SINGLE FAMILY LOTS
- 3 PROPOSED OUTLOTS
- AVERAGE LOT SIZE = 5.034 ACRES
- MINIMUM STREET FRONTAGE = 200 FEET
- MINIMUM LOT SIZE = 1.00 ACRES (INCLUDING HALF OF STREET AOW)
- PROPOSED ZONING = R-3
- BUILDING SETBACKS:
 - FRONT = 30 FEET
 - SIDE = 10 FEET
 - REAR = 50 FEET
 - COUNTY ROAD = 50 FEET

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



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 G. RUD
 Date: 09/19/2023 License No. 41578

PROPERTY DESCRIPTION

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

NO.	DATE	DESCRIPTION	BY
1	09/19/23	CITY WATERSHED COMPLETION	PHD
2	09/19/23	CITY WATERSHED COMPLETION	PHD
3	09/19/23	LOT 1 BLOCK 1	PHD
4	09/19/23	LOT 2 BLOCK 1 CHANGING	PHD
5	DATE	DESCRIPTION	BY



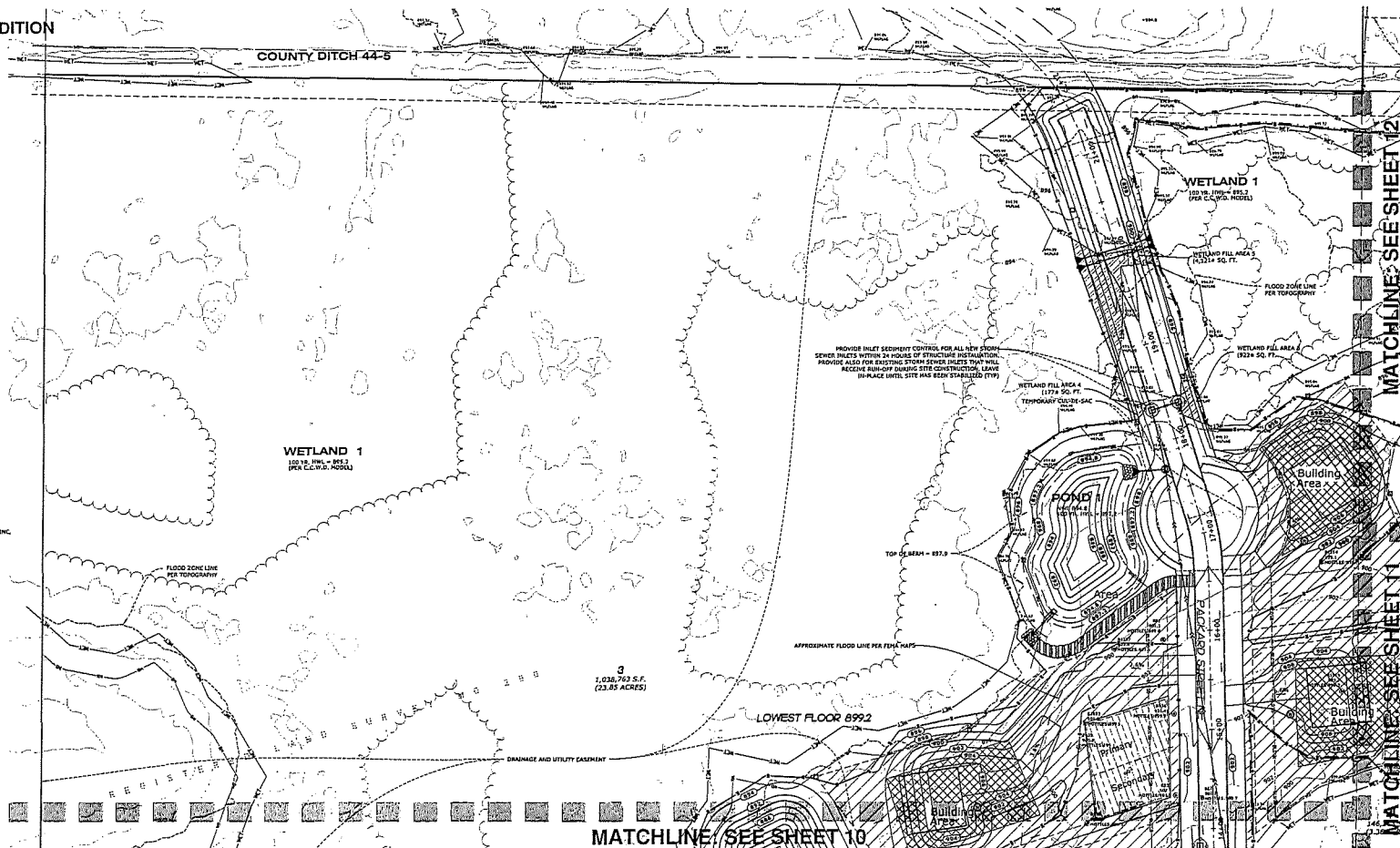
LIVABILITY PLAN

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

COUNTY DITCH 44'S

LEGEND

- DENOTES SOIL BORING BY TRADEWELL SOIL TESTING
- DENOTES PIEZOMETER OR PENETRATION BORING BY STANTEC GEOTECHNICAL, INC.
- DENOTES EXISTING SPOT ELEVATION
- DENOTES WET LAND
- DENOTES EXISTING 2 FOOT CONTOUR
- DENOTES PROPOSED 2 FOOT CONTOUR
- DENOTES WETLAND DELINEATED BY KOLLMANN ENVIRONMENTAL SERVICES COMPANY.
- DENOTES EASEMENT LINE
- DENOTES SETBACK LINE
- DENOTES PROPOSED STORM SEWER
- DENOTES PROPOSED SILT/Trip PROTECTION FENCE
- DENOTES DIRECTION OF DRAINAGE
- DENOTES PROPOSED WELL LOCATION
- DENOTES WETLAND VEGETATIVE BUFFER
- DENOTES WETLAND VEGETATIVE BUFFER SIGN
- DENOTES PLANT SPECIES LOCATED BY STANTEC CONSULTING SERVICES, INC.
- DENOTES PROPOSED BUILDING PAD AREA
- DENOTES PROPOSED YARD AREA
- DENOTES PROPOSED SEPTIC AREA
- DENOTES 17 FOOT ACCESS



MATCHLINE SEE SHEET 12

MATCHLINE SEE SHEET 11

MATCHLINE SEE SHEET 10

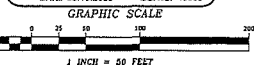
PONDING CALCULATIONS AND STORM SEWER DESIGN BY PLOWE ENGINEERING, INC.

PLOWE ENGINEERING, INC.
 8776 LAKE DRIVE
 LINO LAKES, MN 55014

PHONE: (612) 281-1010
 FAX: (612) 581-9761

I HEREBY CERTIFY THAT THIS STORMWATER MANAGEMENT AND DRAINAGE REPORT FOR THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Adam Ojikel
 ADAM OJIKEL
 DATE: 09/19/2023 LIC. NO. 43880



NOTES

- * BEARINGS SHOWN ARE ON INDIANA COUNTY DATUM.
- * TOTAL LOT AREA ARE CALCULATED TO STREET CENTERLINE PER ORDINANCE.
- * 2 FOOT CONTOUR INTERVAL, INLAND REL.
- * CONTIGUOUS LOTS ARE PRELIMINARY LOAD DISTRIBUTION AND FIELD VERIFICATION.
- * ALL NEW POITS AND PRELIMINARY PIPES TO BE SHOWN AT FULL DEPTH.
- * TURF AREA TO BE SEED WITHIN 3 DAYS AFTER COMPLETION OF ROUGH GRADING OR INACTIVITY.
- * SEE PRELIMINARY PLAN FOR OTHER NOTES FOR OTHER SEWER LINES, INVERTS, AND SIZES.
- * TRADEWELL SOIL TESTING COMPLETED SEPTIC SOIL BORINGS ON AND ADJACENT TO THE SITE IN 2023. THESE BORING LOCATIONS AND ELEVATIONS SHOWN ARE TAKEN FROM THE PRELIMINARY GRADING DRAINAGE AND EROSION CONTROL PLANS OF WILDERNESS PRESERVE DATED 04/20/23. IN OCCURRENCE OF 2023 TRADEWELL PERFORMANCE ADDITIONAL SEPTIC BORINGS THAT WERE FIELD LOCATED BY E.G. RUD AND SONS, INC.
- * DRAIN INTERTIC COMPLETED PENETRATION BORINGS AND SET PIEZOMETERS ON AND ADJACENT TO THE SITE IN 2023, AND READ THE PIEZOMETERS ON FIELD AND BENCH. PRELIMINARY WERE FIELD LOCATED AND ADDITIONAL READINGS WERE TAKEN ON 20/1A. PENETRATION BORING LOCATIONS AND ELEVATIONS SHOWN ARE TAKEN FROM THE PRELIMINARY GRADING DRAINAGE AND EROSION CONTROL PLANS OF WILDERNESS PRESERVE DATED 04/20/23.
- * DRAIN INTERTIC MODIFIED SITE GRADING WATER ELEVATIONS WITH NEW PIEZOMETERS FROM 21-2022 TO 06-2023 TO DETERMINE UNSATURATED WATER LEVELS FOR LOTS 5, 11, BLOCK 1 AND LOT 5, BLOCK 2.
- * ALL NEW DRAINAGE LINES TO BE PROVIDED WITH TURF GRASS.
- * PROVIDE CLASS II RIRAP WITH FILTER FABRIC FOR ALL PIPE OUTLETS. INSTALL 6" OF TOPSOIL ON RIRAP IN IF DEWEATERING IS REQUIRED. THE CONTRACTOR SHALL APPLY FOR A 4-HOUR DEWEATERING PERMIT AND WILL PROVIDE WELL-FIELD LOCATIONS, SIZES, DEWEATERING LOCATION, SCHEDULES AND QUANTITIES TO COME 3 DAYS PRIOR TO ANY DEWEATERING OPERATIONS.
- * CONTIGUOUS LOTS MUST BE PROVIDED WITH OUR FLEETS/FACT SHEETS ON BLENDED/STABILIZED TOPSOIL AND STOCKPILES WILL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 24 HOURS AFTER CONSTRUCTION ACTIVITY IN THAT AREA AND TEMPORARILY OR PERMANENTLY CLOSED.

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
 JASON E. RUD
 Date: 09/19/2023 License No. 41578

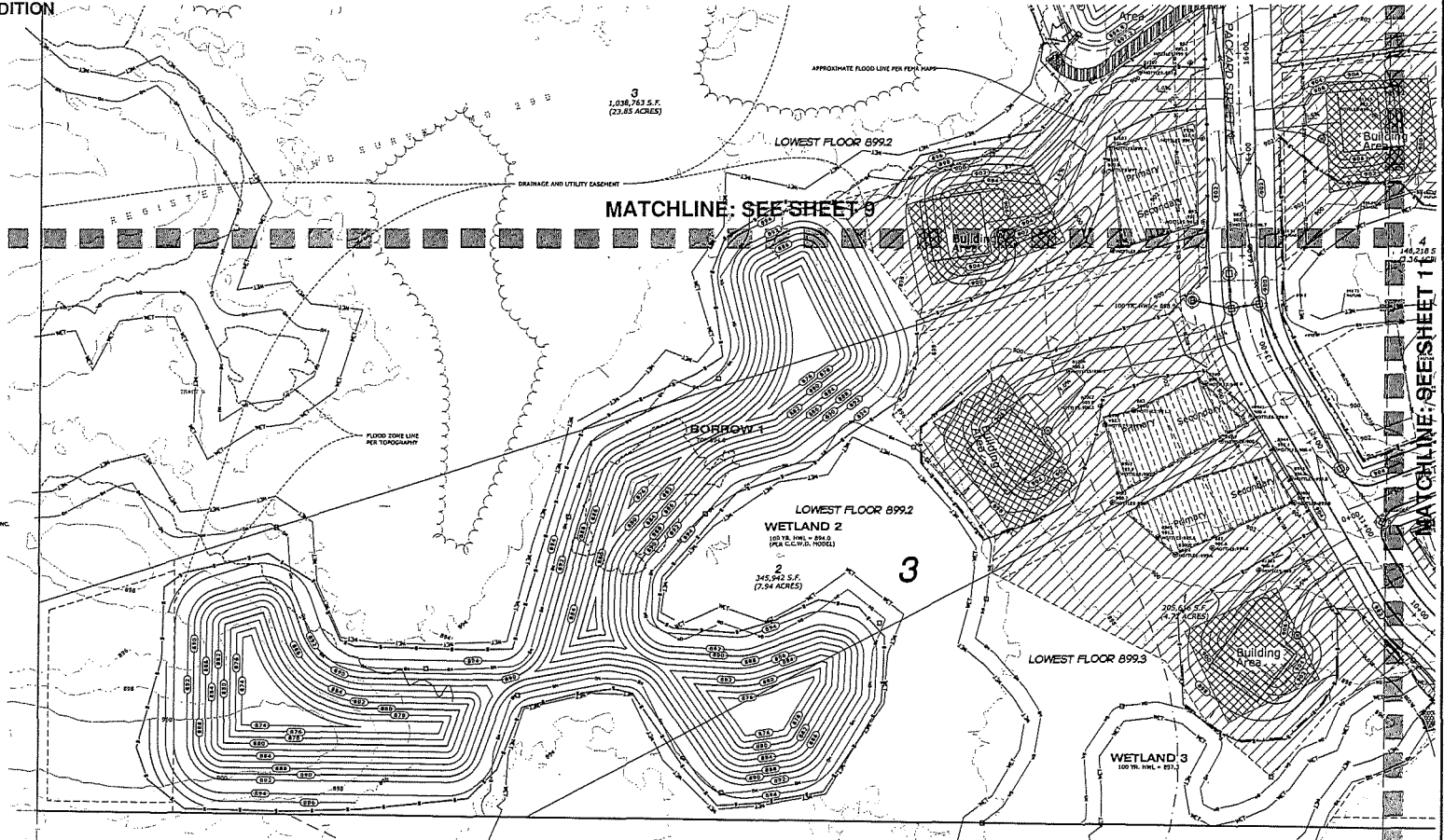
E.G. RUD & SONS, INC.
 Professional Land Surveyors
 6776 Lake Drive NE, Suite 110
 Lino Lakes, MN 55014
 Tel. (651) 361-9200 Fax (651) 361-8701

NO.	DATE	DESCRIPTION	BY
1	03/17/23	CITY / WATERSHED COMMENTS	PHD
2	04/11/23	CITY / WATERSHED COMMENTS	PHD
3	02/14/23	CITY / WATERSHED COMMENTS	PHD
4	02/01/23	LOTS 1-11, BLOCK 1, LOT 7 BLOCK 2	PHD

NORTH

LIVABILITY PLAN

of- HIDDEN FOREST EAST 4TH ADDITION
 for- HFN PROPERTIES, LLC.
 17404 WARD LAKE DRIVE NW
 ANDOVER, MN 55304



LEGEND

- DENOTES SOIL BORING BY TRADWELL SOIL TESTING
- DENOTES PIEZOMETER OR PENETRATION SOUNDING BY SHAW-WALKER, INC.
- DENOTES EXISTING SPOT ELEVATION
- DENOTES WETLAND
- DENOTES EXISTING 2 FOOT CONTOUR
- DENOTES EXISTING 2 FOOT CONTOUR
- DENOTES WETLAND DELINEATED BY KROEMER ENVIRONMENTAL SERVICES COMPANY.
- DENOTES SETBACK LINE
- DENOTES PROPOSED STORM SEWER
- DENOTES PROPOSED SILL / WALK PROTECTION FENCE
- DENOTES DIRECTION OF DRAINAGE
- DENOTES PROPOSED WELL LOCATION
- DENOTES WETLAND VEGETATIVE BUFFER
- DENOTES WETLAND VEGETATIVE BUFFER SIGN
- DENOTES PLANT SPECIES LOCATED BY STANTEC CONSULTING SERVICES, INC.
- DENOTES PROPOSED BUILDING PAD AREA
- DENOTES PROPOSED SAND AREA
- DENOTES PROPOSED SEPTIC AREA
- DENOTES 12 FOOT ACCESS

PHONE CALCULATOR
 AND STORM SEWER DESIGN BY
 FROGE ENGINEERING, INC.

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

SITE PLANNING & ENGINEERING PHONE: (651) 261-4210 FAX: (651) 261-8701

I HEREBY CERTIFY THAT THE STORMWATER MANAGEMENT AND DRAINAGE REPORT FOR THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Adam Ojanel
 ADAM OJANEL
 DATE: 09/19/2023 LIC. NO. 43980

NOTES

- BEARINGS SHOWN ARE ON ANOKIA COUNTY DATUM.
- TOTAL LOT AREAS ARE CALCULATED TO STREET CENTERLINE PER ORDINANCE.
- 2 FOOT CONTOUR INTERVAL (UNADJUSTED).
- CONTIGUOUS SHOWN AND PROPOSED LOCATIONS TO BE SHOWN AT FIELD SURVEY.
- THIS AREA TO BE SECEDED WITHIN 7 DAYS AFTER COMPLETION OF ROUGH GRADING OR DRAINAGE.
- ALL PERMITS AND PROPOSED FINISHES TO BE SHOWN AT FIELD SURVEY.
- TRADWELL SOIL TESTING COMPLETED SEPTIC SOIL BORINGS ON AND ADJACENT TO THE SITE IN 2023. THESE BORING LOCATIONS AND ELEVATIONS SHOWN AND TAKEN FROM THE PRELIMINARY GRADING, DRAINAGE AND EROSION CONTROL PLANS OF WILBERNESS PRESERVE DATED 8/15/23. IN ACCORDANCE OF 2020 TRADWELL PERFORMED ADDITIONAL SEPTIC BORINGS THAT WERE FIELD LOCATED BY I.E. RUD AND SONS, INC.
- MAIN INTERIOR COMPLETED PENETRATION BORINGS AND SET PIEZOMETERS ON AND ADJACENT TO THE SITE IN 2020, AND REAR THE PIEZOMETERS ON 6540 AND 5650. PIEZOMETERS WERE FIELD LOCATED AND ADDITIONAL READINGS WERE TAKEN ON 10/14. PENETRATION BORING LOCATIONS AND ELEVATIONS SHOWN ARE TAKEN FROM THE PRELIMINARY GRADING, DRAINAGE AND EROSION CONTROL PLANS OF WILBERNESS PRESERVE DATED 8/15/23.
- ALL PIPE AREAS UNDER 48" PROVIDED WITH TRAP GUARDS.
- PROVIDE CLASS 25 RIMPAP WITH FILTER FABRIC FOR ALL PIPE OUTLETS. INSTALL 4" OF TOPSOIL ON RIMPAP BY WETLANDS.
- IF DRAINAGING IS REQUIRED, THE CONTRACTOR SHALL APPLY FOR A MN DNR DRAINAGING PERMIT AND WILL PROVIDE WELL FIELD LOCATION, BAYES, DISCHARGE LOCATION, SCHEDULE AND QUANTITIES TO CDD-7 DATES PRIOR TO ANY DRAINAGING OPERATIONS.
- DISTURBED SOILS AND STOCKPILES WILL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 24 HOURS AFTER CONSTRUCTION ACTIVITY IN THAT AREA AND TEMPORARILY OR PERMANENTLY COVERED.

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
 JASON E. RUD
 Date: 09/19/2023 License No. 41576

GRAPHIC SCALE
 1 INCH = 50 FEET

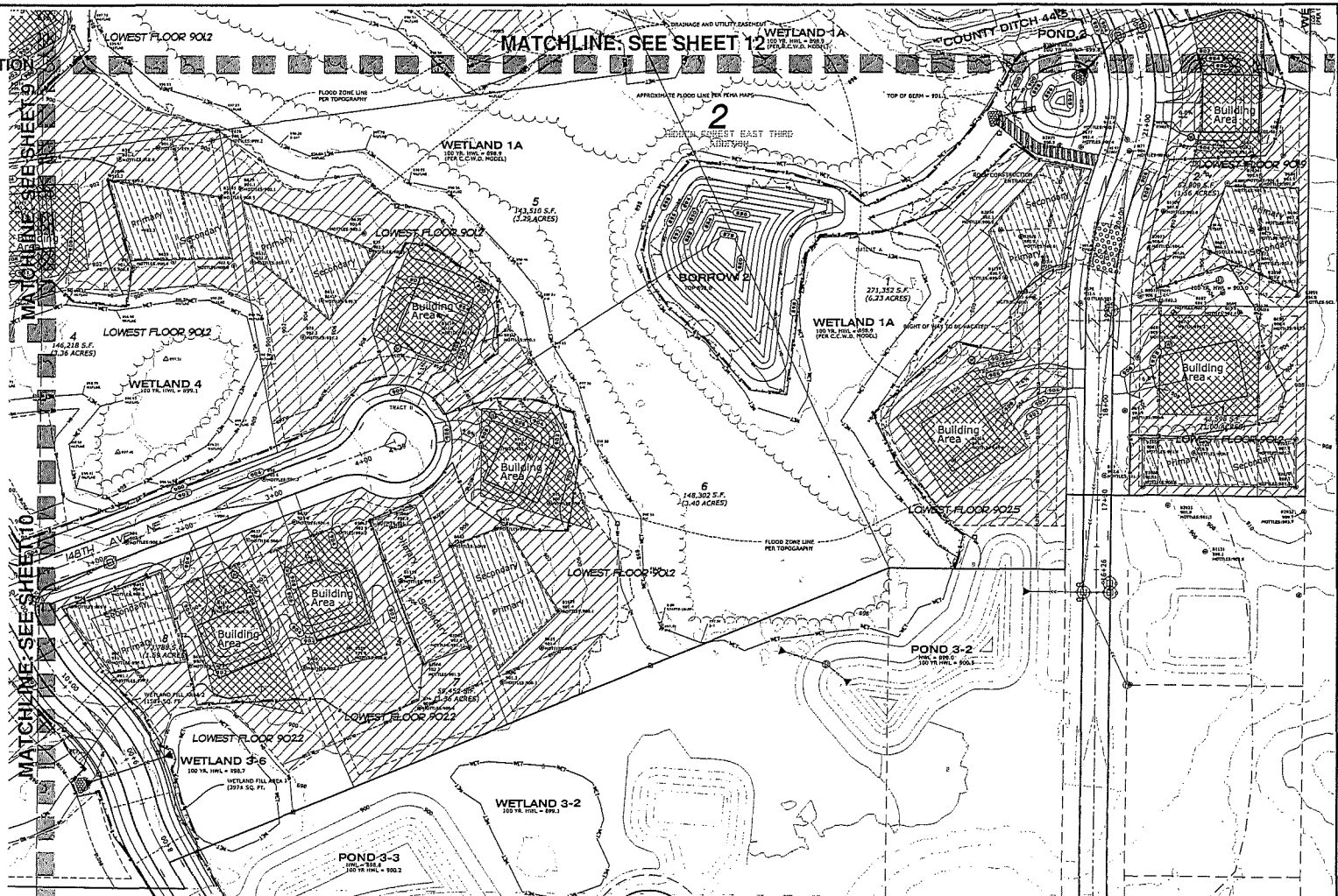
E.G. RUD & SONS, INC.
 Professional Land Surveyors
 6776 Lake Drive NE, Suite 110
 Lino Lakes, MN 55014
 Tel. (651) 361-8200 Fax (651) 361-8701

NO.	DATE	DESCRIPTION	BY
1	03/17/23	CITY / WATERSHED COMMENTS	MND
2	04/11/23	CITY / WATERSHED COMMENTS	MND
3	05/04/23	CITY / WATERSHED COMMENTS	CMW
4	08/15/23	LOT'S 1, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	MND

MATCHLINE: SEE SHEET 10

LIVABILITY PLAN

-of- HIDDEN FOREST EAST 4TH ADDITION
 -for- HFN PROPERTIES, LLC
 17404 WARD LAKE DRIVE NW
 ANDOVER, MN 55304



LEGEND

- DENOTES SOIL BORING BY TRADITIONAL SOIL TESTING
- DENOTES PIEZOMETER OR PENETRATION BORING BY SHANKS INTERTEC, INC.
- DENOTES EXISTING SPOT ELEVATION
- DENOTES WETLAND
- DENOTES EXISTING 2 FOOT CONTOUR
- DENOTES PROPOSED 3 FOOT CONTOUR
- DENOTES WETLAND DELINEATED BY WILLOW ENVIRONMENTAL SERVICES COMPANY.
- DENOTES EASEMENT LINE
- DENOTES SETBACK LINE
- DENOTES PROPOSED SILT FENCE
- DENOTES PROPOSED SILT / TEE PROTECTION FENCE
- DENOTES COLLECTION OF DRAINAGE
- DENOTES PROPOSED WALL LOCATION
- DENOTES WETLAND VEGETATIVE BUFFER
- DENOTES WETLAND VEGETATIVE BUFFER SIGN
- DENOTES PLANT SPECIES LOCATED BY STATREC CONSULTING SERVICES, INC.
- DENOTES PROPOSED BUILDING PAD AREA
- DENOTES PROPOSED SAND AREA
- DENOTES PROPOSED SEPTIC AREA
- DENOTES 12' POND ACCESS

POUNDING CALCULATIONS AND STORAGE DESIGN BY FLOHE ENGINEERING, INC.

PLOWE ENGINEERING, INC.
 8796 LAKE DRIVE
 SUITE 110
 LINO LAKE, MN 55014

PHONE (888) 387-0810
 FAX (818) 387-9751

1 HEREBY CERTIFY THAT THIS STORMWATER MANAGEMENT AND DRAINAGE REPORT FOR THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Adam Dankel
 ADAM DANKEL
 DATE: 09/19/2023 LIC. NO. 43803

NOTES

- * BEARINGS SHOWN ARE ON ANOKIA COUNTY DATUM.
- * TOTAL LOT AREAS ARE CALCULATED TO STREET CENTERLINE PER ORDINANCE.
- * 2 FOOT CONTOUR INTERVAL (SHOWN AS DASHED).
- * CONTINGENCY AREAS ARE PER PROPOSED SOIL DISTRIBUTION AND FIELD VERIFICATION.
- * ALL PAVED ROADS AND DRIVEWAY PATHS TO BE SURFACED AT FULL DEPTH.
- * THIS PLAN IS TO BE SUBMITTED WITHIN 2 DAYS AFTER COMPLETION OF FINISH GRADING OR INACTIVITY.
- * 24 HOURS ADVANCE NOTICE MUST BE GIVEN FOR ALL FIELD VERIFICATION.
- * TRADITIONAL SOIL TESTING COMPLETED SEPTIC SOIL BORINGS ON AND ADJACENT TO THE SITE IN 2022. THESE BORING LOCATIONS AND ELEVATIONS WERE FIELD LOCATED AND ADDITIONAL READINGS WERE TAKEN ON 10/11/2022.
- * PRELIMINARY PLAN # 17/18/2022 FOR THIS PROJECT.
- * WETLANDS PRESERVE DATED 04/20/2018. IN DECEMBER OF 2023 TRADEWELL PERFORMED ADDITIONAL SEPTIC BORINGS THAT WERE FIELD CHECKED BY E.C. RUD AND SON.
- * GRADE INTERFERES WITH PENETRATION BORING LOCATIONS AND SET PIEZOMETERS ON AND ADJACENT TO THE SITE IN 2023, AND READ THE PIEZOMETERS ON GRADE AND SOILS. PIEZOMETERS WERE FIELD LOCATED AND ADDITIONAL READINGS WERE TAKEN ON 10/11/2022.
- * PENETRATION BORING LOCATIONS AND ELEVATIONS SHOWN ARE TAKEN FROM THE PRELIMINARY CHANGING DRAINAGE AND EROSION CONTROL PLANS OF WILDERNESS PRESERVE DATED 04/20/2018.
- * MAIN INTERTEC HORIZONTAL SITE GROUND WATER ELEVATIONS WITH NEW PIEZOMETERS FROM 11-2022 TO 09-2023 TO DETERMINE WHICH ANTICIPATED WATER LEVELS FOR LOTS 5-11, BLOCK 1 AND LOT 3, BLOCK 2.
- * ALL NEW POND AREAS ARE PROPOSED WITH TRACKS.
- * PROVIDE CLASS 10 RIPRAP WITH FILTER FABRIC FOR ALL PIPE OUTLETS. INSTALL 4" OF TOPSOIL ON RIPRAP IN VEGETATED AREAS.
- * IF DRAINAGE IS REQUIRED, THE CONTRACTOR SHALL APPLY FOR A NON DRAINAGE PERMIT AND WILL PROVIDE WELL-PAVED ROADWAYS, DRAINAGE LOCATIONS, SCHEDULES AND QUANTITIES TO COME 7 DAYS PRIOR TO ANY DRAINAGE OPERATIONS.
- * CONTRACTOR MUST BE PROVIDED WITH OUR FURNISH FACT SHEETS ON BEARINGS TABLE.
- * DISTURBED SOILS AND STOCKPILES WILL BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 24 HOURS AFTER CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED.

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.

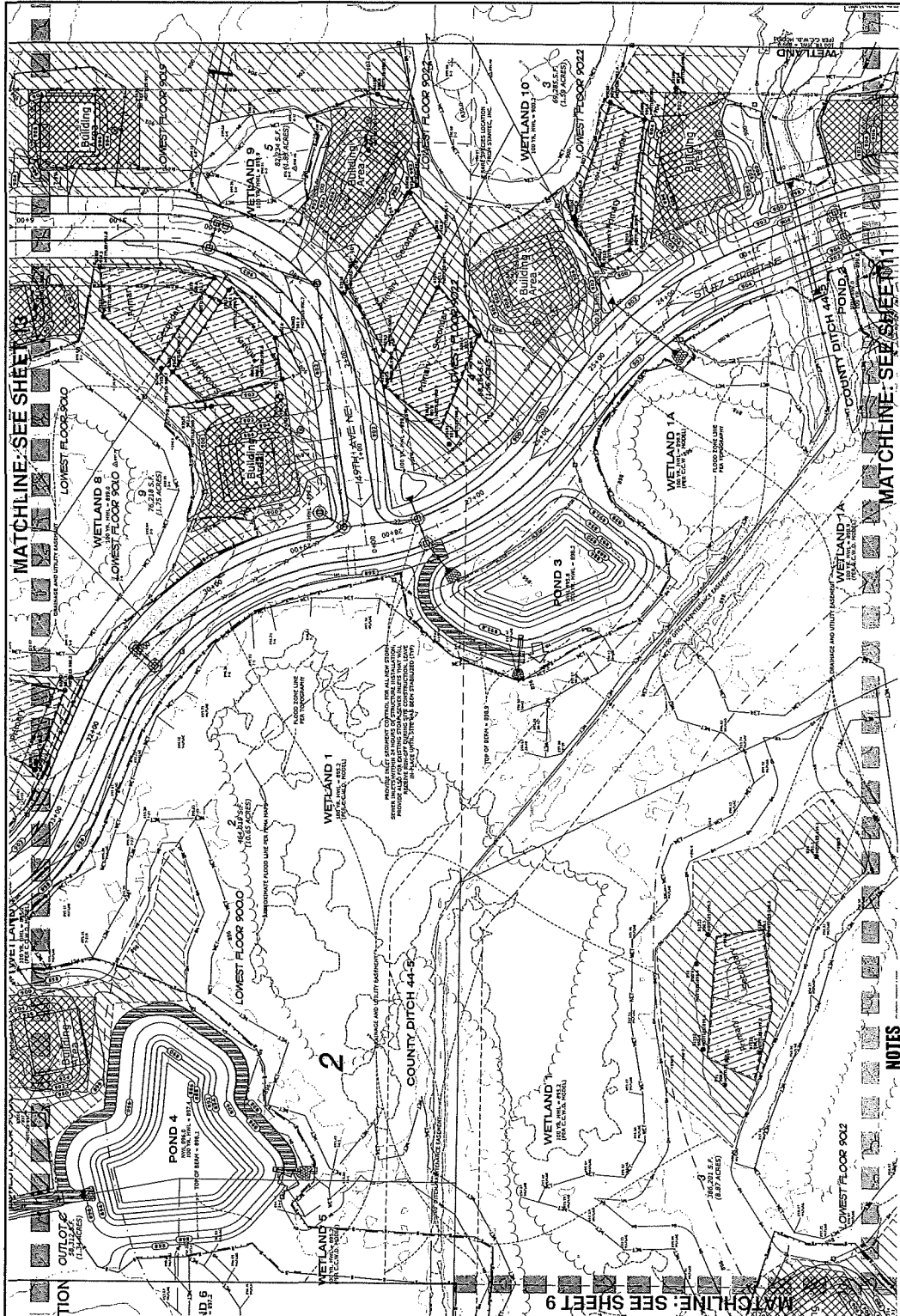
Jason E. Rud
 JASON E. RUD
 DATE: 09/19/2023 License No. 41578

1 1/2" = 50 FEET

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

NO.	DATE	DESCRIPTION	BY
1	03/17/22	CITY / WATERSHED COMMENTS	PHD
2	04/13/22	CITY / WATERSHED COMMENTS	PHD
3	02/16/23	CITY / WATERSHED COMMENTS	LOE
4	09/23/23	MP'S 5-11, BLOCK 1, LOT 3, BLOCK 2	PHD
		ANTICIPATED GROUNDWATER	

NORTH



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

- LEGEND**
- IDENTIFY SOIL TESTING BY TRACKWELL SOIL TESTING
 - IDENTIFY WETLANDS BY TRACKWELL WETLAND MAPPING
 - IDENTIFY EXISTING SPOT ELEVATION
 - IDENTIFY EXISTING SPOT ELEVATION
 - IDENTIFY EXISTING 2 FOOT CONTOURS
 - IDENTIFY WETLANDS AS LOCATED BY EPA/MSD ENVIRONMENTAL SERVICES COMPANY
 - IDENTIFY EXISTING LOT
 - IDENTIFY PROPOSED 1/2" FINE PARTICULATE FENCE
 - IDENTIFY PROPOSED 1/2" FINE PARTICULATE FENCE
 - IDENTIFY PROPOSED WALL LOCATION
 - IDENTIFY WETLAND VEGETATIVE BUFFER
 - IDENTIFY WETLAND VEGETATIVE BUFFER WITH
 - IDENTIFY PLANT SPECIES LOCATED BY TEMATIC CONSULTING SERVICES, INC.
 - IDENTIFY PROPOSED WAD AREA
 - IDENTIFY PROPOSED SPOTIC AREA
 - IDENTIFY 1/2" FINE PARTICULATE FENCE

PLOWE ENGINEERING, INC.
 15101 Professional Land Surveyors
 6776 Lake Drive NE, Suite 110
 Lino Lakes, MN 55014
 Tel: (651) 361-8300 Fax: (651) 361-8701

DATE: 09-19-2023 / UIC. NO. 43983

ADAM O'NEILL

E. G. RUD & SONS, INC.
 15101 Professional Land Surveyors
 6776 Lake Drive NE, Suite 110
 Lino Lakes, MN 55014
 Tel: (651) 361-8300 Fax: (651) 361-8701

www.egrud.com

NOTES

1. EXISTING WETLANDS ARE SHOWN ON THE TRACKWELL WETLAND MAPPING AND FIELD VERIFICATION.
2. EXISTING WETLANDS ARE THE WETLANDS IDENTIFIED AND FIELD VERIFICATION.
3. THE WETLANDS ARE SHOWN ON THE TRACKWELL WETLAND MAPPING AND FIELD VERIFICATION.
4. THE WETLANDS ARE SHOWN ON THE TRACKWELL WETLAND MAPPING AND FIELD VERIFICATION.
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9. THE WETLANDS ARE SHOWN ON THE TRACKWELL WETLAND MAPPING AND FIELD VERIFICATION.
10. THE WETLANDS ARE SHOWN ON THE TRACKWELL WETLAND MAPPING AND FIELD VERIFICATION.

NO.	DATE	BY	DESCRIPTION
1	09/19/2023	ADAM O'NEILL	ISSUED FOR PERMIT
2	09/19/2023	ADAM O'NEILL	ISSUED FOR PERMIT
3	09/19/2023	ADAM O'NEILL	ISSUED FOR PERMIT
4	09/19/2023	ADAM O'NEILL	ISSUED FOR PERMIT
5	09/19/2023	ADAM O'NEILL	ISSUED FOR PERMIT
6	09/19/2023	ADAM O'NEILL	ISSUED FOR PERMIT
7	09/19/2023	ADAM O'NEILL	ISSUED FOR PERMIT
8	09/19/2023	ADAM O'NEILL	ISSUED FOR PERMIT
9	09/19/2023	ADAM O'NEILL	ISSUED FOR PERMIT
10	09/19/2023	ADAM O'NEILL	ISSUED FOR PERMIT

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

DATE: 09/19/2023 License No. 41578

JACOB E. RUD



Carson, Clelland
& Schreder

— ATTORNEYS AT LAW —

MEMORANDUM

TO: MAYOR AND COUNCILMEMBERS
FROM: JOSEPH MURPHY, CITY ATTORNEY
SUBJECT: PARKLAND – HIDDEN FOREST EAST
DATE: DECEMBER 6, 2021

The City and Developer, HFN Properties (Jeff Stalberger) recently finalized two Development Agreements for two phases of the Hidden Forest Development and the Developer will soon be filing the mylars of those plats. As part of the plat for Hidden Forest East Park Addition, Developer is dedicating to the City as parkland 16.48 acres of upland and 10.65 acres of wetland. Under the current policy outlined in the City Code, developers should create one acre of public park or trail space for every ten acres of residential land (10%) or pay an equivalent parkland dedication fee for the City's acquisition of future parkland. Taking into account and crediting Developer for the recently approved Hidden Forest East 3rd Addition (56.67 acres), Hidden Forest East Park Addition (11.57 acres), and the anticipated future phase Hidden Forest East 4th Addition (9.57 acres), the land dedicated in this plat still exceeds the 10% minimum parkland dedication. As part of the first two phases, Hidden Forest East and Hidden Forest East 2nd Addition, the city previously collected \$118,429.40 in Parkland Dedication Fees from Developer. Therefore, as part of Hidden Forest East Park Addition Development Agreement, it is proposed that the City pay Developer \$118,429.40 from these dedicated Parkland funds to acquire or purchase the additional parkland dedicated in the plat that exceeds the 10% of upland parkland dedication required by the City Code.

This process was discussed with Mr. Stalberger and approved by a consensus of the council at the October 19, 2020, City Council meeting.

I would recommend approval of the payment of \$118,429.40 from the Park and Beach Fund.

PROPOSED DESCRIPTION OF "AREA A" TO BE REMOVED FROM FEMA FLOOD PLAIN

Being that the subject area is located within the FEMA Flood Plain, it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain.

PROPOSED DESCRIPTION OF "AREA B" TO BE REMOVED FROM FEMA FLOOD PLAIN

Being that the subject area is located within the FEMA Flood Plain, it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain.

PROPOSED DESCRIPTION OF "AREA C" TO BE REMOVED FROM FEMA FLOOD PLAIN

Being that the subject area is located within the FEMA Flood Plain, it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain.

PROPOSED DESCRIPTION OF "AREA D" TO BE REMOVED FROM FEMA FLOOD PLAIN

Being that the subject area is located within the FEMA Flood Plain, it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain.

PROPOSED DESCRIPTION OF "AREA E" TO BE REMOVED FROM FEMA FLOOD PLAIN

Being that the subject area is located within the FEMA Flood Plain, it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain.

PROPOSED DESCRIPTION OF "AREA F" TO BE REMOVED FROM FEMA FLOOD PLAIN

Being that the subject area is located within the FEMA Flood Plain, it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain.

PROPOSED DESCRIPTION OF "AREA G" TO BE REMOVED FROM FEMA FLOOD PLAIN

Being that the subject area is located within the FEMA Flood Plain, it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain.

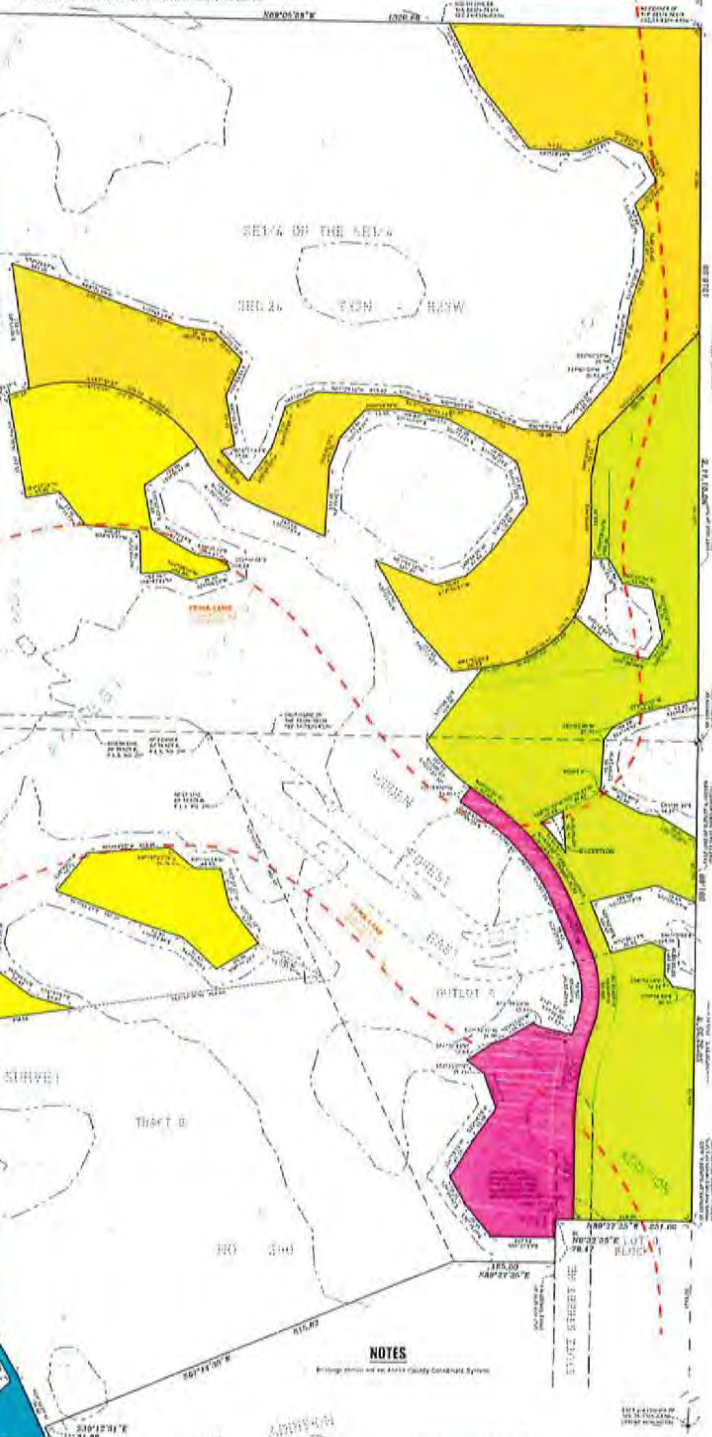
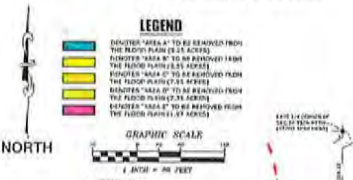
PROPOSED DESCRIPTION OF "AREA H" TO BE REMOVED FROM FEMA FLOOD PLAIN

Being that the subject area is located within the FEMA Flood Plain, it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain.

PROPOSED DESCRIPTION OF "AREA I" TO BE REMOVED FROM FEMA FLOOD PLAIN

Being that the subject area is located within the FEMA Flood Plain, it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain. The subject area is located within the FEMA Flood Plain, and it is proposed to remove the subject area from the FEMA Flood Plain.

FEMA EXHIBIT -for- HFN PROPERTIES, LLC
-of- HIDDEN FOREST EAST
FOURTH ADDITION



NOTES

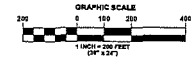
Bridge shown on map is City's Existing Bridge.

NO.	DATE	DESCRIPTION	BY
1	08/12/2014	ISSUED FOR PERMITS	JLR
2	08/12/2014	ISSUED FOR PERMITS	JLR
3	08/12/2014	ISSUED FOR PERMITS	JLR
4	08/12/2014	ISSUED FOR PERMITS	JLR

HIDDEN FOREST EAST FOURTH ADDITION

TITLE SHEET, NOTES & LEGEND

HAM LAKE, MINNESOTA



PLOWE ENGINEERING, INC.
 6775 LAKE DRIVE
 SUITE 110
 LIND LAKE, MN 55014
 PHONE: (813) 241-8710
 FAX: (813) 241-8781

DRAWN BY: AC
 CHECK BY: COP
 JOB NO: 22-2043
 DATE: 02/14/23

NO.	DATE	DESCRIPTION
1		
2		
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10		

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 JESSIE GIBBERT
 DATE: 02/14/23
 LICENSE NO. 4340

HIDDEN FOREST EAST FOURTH ADDITION
 CITY OF HAM LAKE, MINNESOTA
TITLE SHEETS, NOTES & LEGEND
 PREPARED FOR: SHIPMAN/STREIBER, LLC

SHEET
T1

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 AND LOCATION OF UTILITIES AS NECESSARY TO AVOID DAMAGE TO THESE UTILITIES.
2. CALL "811" FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY EXCAVATIONS.
3. THE CONTRACTOR SHALL FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF INSTALLATIONS.
4. INSTALLATIONS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS AND DETAIL PLATES.
5. STORAGE OF MATERIALS OR EQUIPMENT SHALL NOT BE ALLOWED ON PUBLIC STREETS OR WITHIN PUBLIC RIGHT-OF-WAY.
6. NOTIFY CITY AND COOK CREEK WATERSHED DISTRICT (CCWD) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
7. ALL ELECTRIC, TELEPHONE, AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCREPANCIES 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 PRIOR TO ANY INSTALLATIONS.
2. STORM SEWER SHALL BE:
 - (A) REINFORCED CONCRETE PIPE (RCP) ANSI C74 WITH R-4 GASKETS.
 - (B) HOPE PIPE SHALL MEET THE REQUIREMENTS OF AASHTO M24, TYPE 8 WITH WATER-TIGHT CONNECTIONS. USE SAND/ANGULAR MATERIAL FOR BACKFILL AND COMPACTION OF HOPE/PPVC PIPE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM 2321.
3. DO NOT BACKFILL CATCH BASINS UTIL. FABRIC WRAP IS INSPECTED BY CITY.
4. TRASH GUARDS ARE REQUIRED FOR ALL FLARED-END SECTIONS LESS THAN 48" IN DIAMETER.
5. PROVIDE CLASS III HOP-RAP OR FILTER FABRIC AT ALL PIPE OUTLETS.
6. THE LAST THREE SECTIONS OF CONCRETE PIPE, INCLUDING APRON, FOR CONCRETE PIPES LESS THAN 48" IN DIAMETER.
7. STORM SEWER LENGTHS INCLUDES THE LATING LENGTH OF THE FLARED-END SECTION. LATING LENGTH OF FLARED-END SECTION TO BE DUCTED FROM PAYMENT LENGTH OF PIPE.
8. ARCH PIPE JOINTS MUST BE WRAPPED WITH FABRIC OR OTHER PROTECTION TO PREVENT SEDIMENT FROM ENTERING PIPE.
9. SEE SHEET C2.1 FOR STRUCTURE SCHEDULE.

CURB & BITUMINOUS NOTES

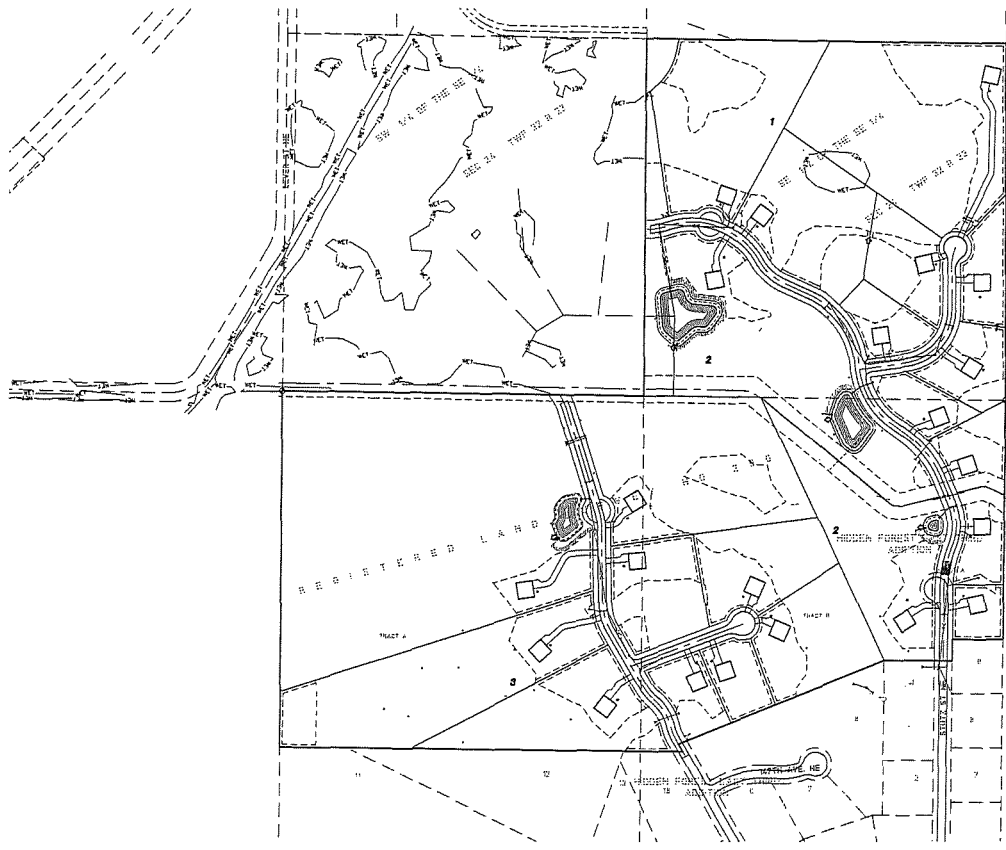
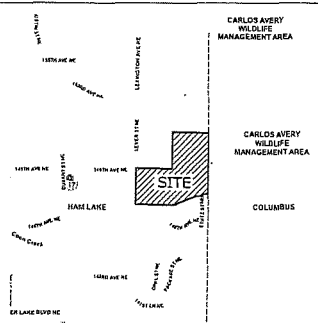
1. REMOVAL AND DISPOSAL OF EXISTING STREET MATERIALS AS REQUIRED FOR CONSTRUCTION IS CONSIDERED INCIDENTAL.
2. ALL MATCH POINTS AND PAVEMENT PATCHES TO BE SAW-CUT AT FULL DEPTH.
3. RESTORE DISTURBED STREET TO EXISTING OR BETTER CONDITION.
4. BACKFILLING OF CURB IS INCIDENTAL TO CURB INSTALLATION.

MISCELLANEOUS NOTES

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

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

VICINITY MAP



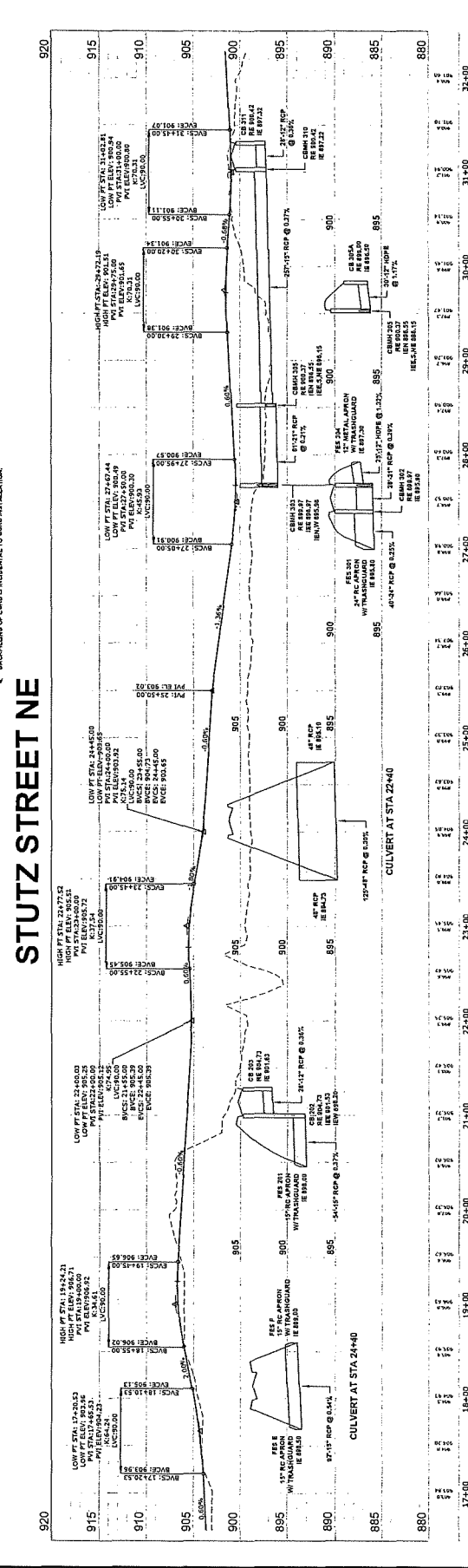
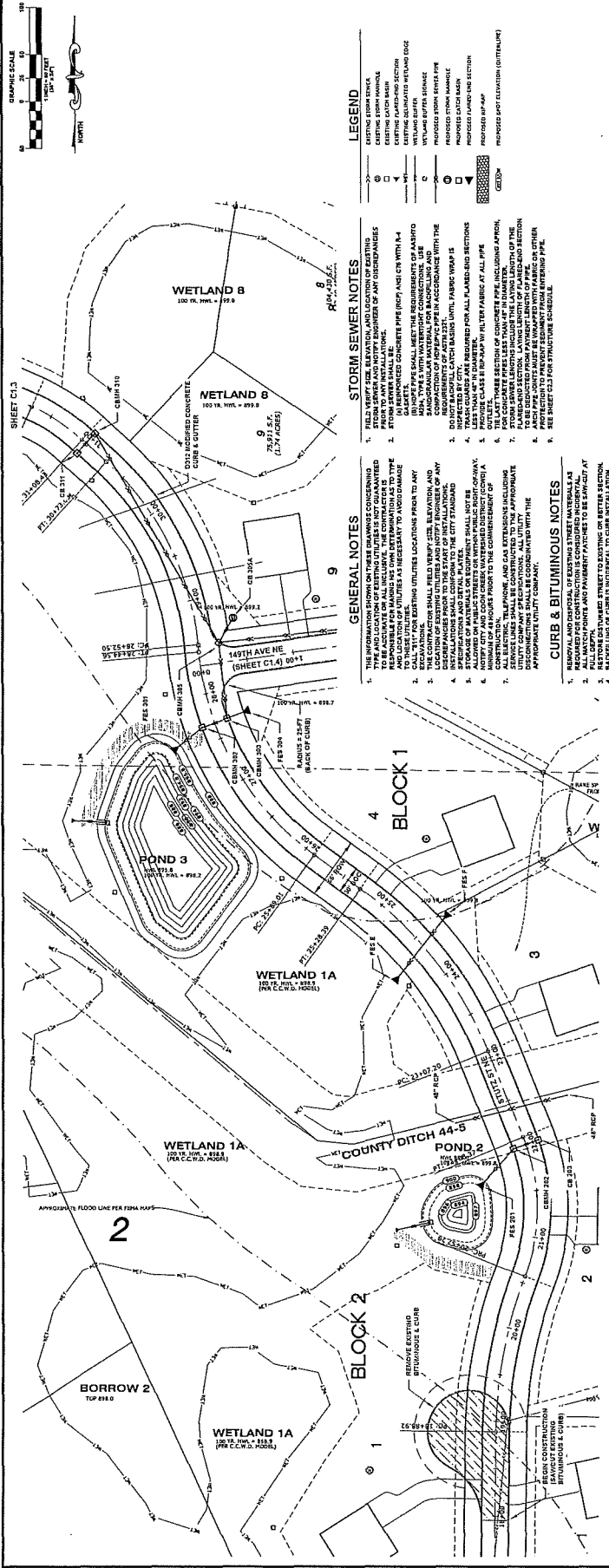
LEGEND

	EXISTING STORM SEWER		PROPOSED STORM SEWER PIPE
	EXISTING STORM MANHOLE		PROPOSED STORM MANHOLE
	EXISTING CATCH BASIN		PROPOSED CATCH BASIN
	EXISTING FLARED-END SECTION		PROPOSED FLARED-END SECTION
	EXISTING DELINEATED WETLAND EDGE		PROPOSED RIP-RAP
	WETLAND BUFFER		PROPOSED SPOT ELEVATION (GUTTERLINE)
	WETLAND BUFFER SIGNAGE		

SHEET INDEX

T1	TITLE SHEET, NOTES & LEGEND
SHEETS 1-3	PRELIMINARY PLAT
SHEETS 4-8	GRADING, DRAINAGE & EGC PLAN
SHEETS 9-10	LIVABILITY PLAN
SHEETS 11-14	LIVABILITY CHART
C1.1 - C1.2	UTILITY PLAN
C2.1 - C2.3	DETAILS
C3.1 - C3.2	STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

NO.	DATE	DESCRIPTION
1	08/11/11	ISSUE FOR PERMITS
2	08/11/11	ISSUE FOR CONSTRUCTION
3	08/11/11	ISSUE FOR RECORD DRAWING
4	08/11/11	ISSUE FOR RECORD DRAWING
5	08/11/11	ISSUE FOR RECORD DRAWING



- LEGEND**
- EXISTING OPEN DRAIN
 - EXISTING OPEN MANHOLE
 - EXISTING OPEN CATCH BASIN
 - EXISTING DRAINAGE SWATH
 - EXISTING DRAINAGE SWATH EDGE
 - WETLAND SURFACE
 - WETLAND SURFACE
 - PROPOSED STORM MAIN
 - PROPOSED STORM MANHOLE
 - PROPOSED STORM CATCH BASIN
 - PROPOSED OPEN DRAIN SECTION
 - PROPOSED OPEN MANHOLE
 - PROPOSED OPEN CATCH BASIN
 - PROPOSED OPEN SECTION (CONTINUED)

- STORM SEWER NOTES**
1. FIELD VERIFY SIZE, ELEVATION AND LOCATION OF EXISTING STORM SEWER AND NOTIFY OWNER OF ANY DISCREPANCIES. STORM SEWER SHALL BE:
 2. STORM SEWER SHALL BE 15\"/>

- GENERAL NOTES**
1. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF EXISTING UTILITIES IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF EXISTING UTILITIES AS NECESSARY TO AVOID DAMAGE TO THESE UTILITIES. EXISTING UTILITIES LOCATING PRIOR TO ANY EXCAVATIONS.
 2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES PRIOR TO THE START OF INSTALLATION.
 3. ALL EXCAVATIONS SHALL BE PROTECTED BY SHIELDING AND SPECIFICATIONS AND DETAIL PLATES. SHALL NOT BE AVOIDED.
 4. ALL EXCAVATIONS SHALL BE PROTECTED BY SHIELDING AND SPECIFICATIONS AND DETAIL PLATES. SHALL NOT BE AVOIDED.
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 10. ALL EXCAVATIONS SHALL BE PROTECTED BY SHIELDING AND SPECIFICATIONS AND DETAIL PLATES. SHALL NOT BE AVOIDED.

- CURB & BITUMINOUS NOTES**
1. REMOVAL AND DISPOSAL OF EXISTING STREET MATERIALS AS SHOWN.
 2. ALL MATCH POINTS AND PAVEMENT FACTURES TO BE SAW-CUT AT 1\"/>

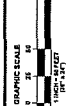


HIDDEN FOREST EAST FOURTH ADDITION
CITY OF HAM LAKE, MINNESOTA
PLAN PROFILE - STUTZ ST & 150TH AVE

DESIGNED BY: JAMES H. HALL
CHECKED BY: JAMES H. HALL
DATE: 08/18/2023
PROJECT NO.: 22-2003

NO.	DATE	DESCRIPTION
1	08/18/23	MFC & CADD COMMENTS
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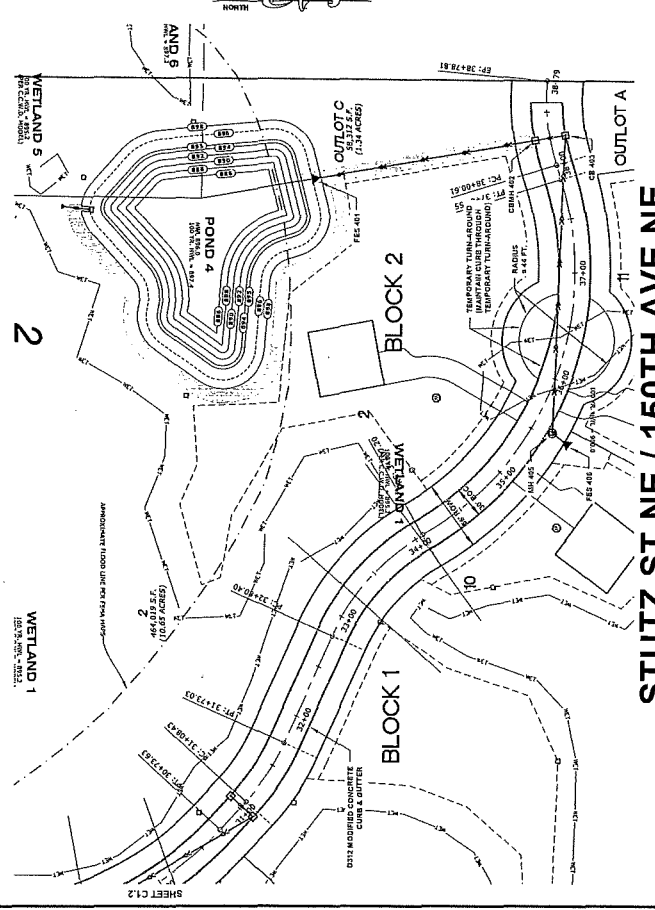
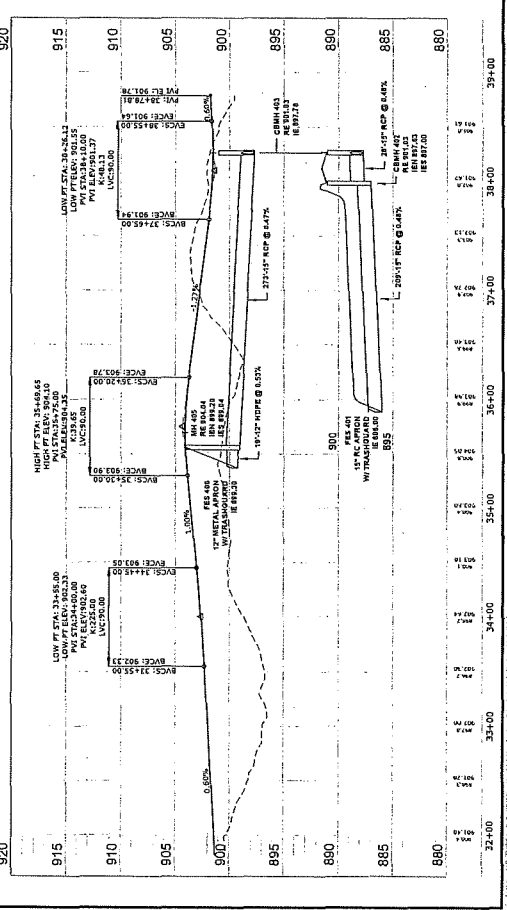
PLOWE ENGINEERING, INC.
1515 W. WASHINGTON ST.
SUITE 100
MINNETONKA, MN 55345
TEL: 952-895-1100
WWW.PLOWEENGINEERING.COM



- STORM SEWER NOTES**
- FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING STORM SEWERS AND LOCATE ANY DISCREPANCIES FROM DRAWINGS.
 - STORM SEWERS SHALL BE 15" DIA. RCP PIPE (RCP JUNCTION WITH 4" DIA. RCP SHALL USE 4" DIA. RCP). ALL OTHERS SHALL BE 15" DIA. RCP.
 - ALL TYPES OF WELDED CONNECTIONS, USE 15" DIA. RCP WITH WELDED CONNECTIONS.
 - DO NOT UNLESS SPECIFIED, FABRIC TRAP IS REQUIRED FOR ALL PLACED-END SECTIONS.
 - LESS THAN 4" IN DIAMETER, USE 15" DIA. RCP WITH WELDED CONNECTIONS.
 - FOR COVER DEPTHS LESS THAN 18" IN DIAMETER, USE 15" DIA. RCP WITH WELDED CONNECTIONS.
 - FOR COVER DEPTHS GREATER THAN 18" IN DIAMETER, USE 15" DIA. RCP WITH WELDED CONNECTIONS.
 - ALL ELECTRICAL, TELEPHONE, AND GAS EXTENSIONS INCLUDING ALL UTILITY MARKING SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - ALL UTILITIES SHALL BE COORDINATED WITH THE UTILITY COMPANIES.
 - SEE STREET C&P FOR STRUCTURE COORDINATE.

- GENERAL NOTES**
- THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF EXISTING UTILITIES IS NOT GUARANTEED BY THE ENGINEER. THE ENGINEER SHALL BE RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF EXISTING UTILITIES NECESSARY TO PROCEED WITH THESE UTILITIES.
 - EXISTING UTILITIES INCLUDING LIGHTS PRIOR TO ANY EXCAVATION.
 - LOCATION OF EXISTING UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE CITY STANDING.
 - PROTECTION AND DETAIL PAVEMENT SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 - ALLOWED ON PUBLIC STREETS OR WITHIN PUBLIC RIGHT-OF-WAY. A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 - ALL ELECTRICAL, TELEPHONE, AND GAS EXTENSIONS INCLUDING ALL UTILITY MARKING SHALL BE COMPLETED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - ALL UTILITIES SHALL BE COORDINATED WITH THE UTILITY COMPANIES.

- CURB & BITUMINOUS NOTES**
- REMOVAL AND DISPOSAL OF EXISTING STREET MATERIALS AS SHOWN ON THESE DRAWINGS SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 - ALL MATCH POINTS AND PAVEMENT PATTERNS TO BE SHOWN AT THE COMMENCEMENT OF CONSTRUCTION.
 - BACKFILLING OF CURB IS NECESSARY TO CURB INSTALLATION.



WETLAND 1
182.2% WETLAND AREA
10.65 ACRES

WETLAND 2
15.00% WETLAND AREA
1.44 ACRES

WETLAND 3
15.00% WETLAND AREA
1.44 ACRES

WETLAND 4
15.00% WETLAND AREA
1.44 ACRES

WETLAND 5
15.00% WETLAND AREA
1.44 ACRES



PLowe
ENGINEERING, INC.
2100 W. WISCONSIN AVE
SUITE 100
MINNETONKA, MN 55345
PHONE: (763) 835-1100
FAX: (763) 835-1101
WWW.PLOWE-ENG.COM

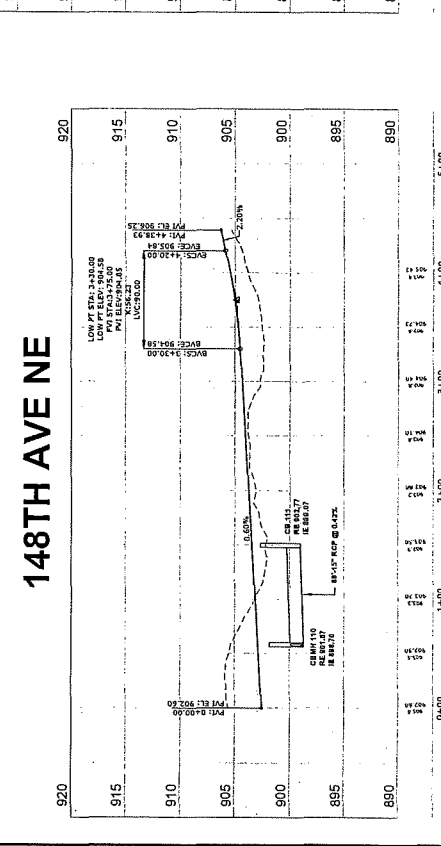
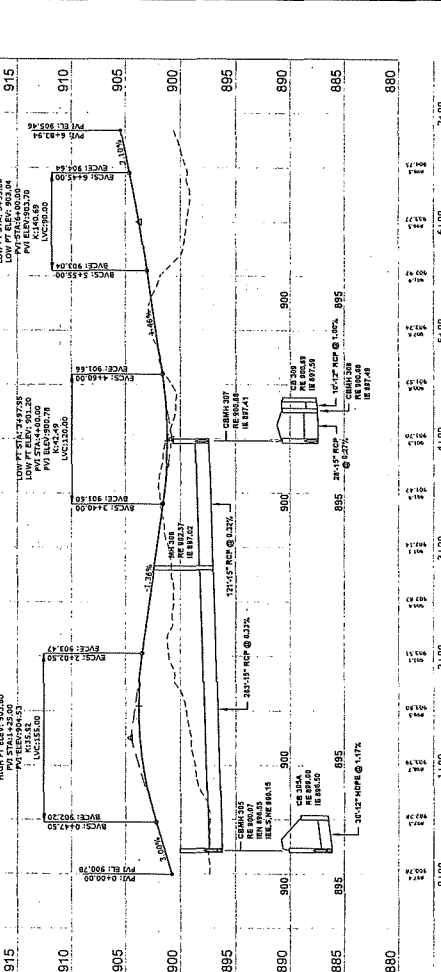
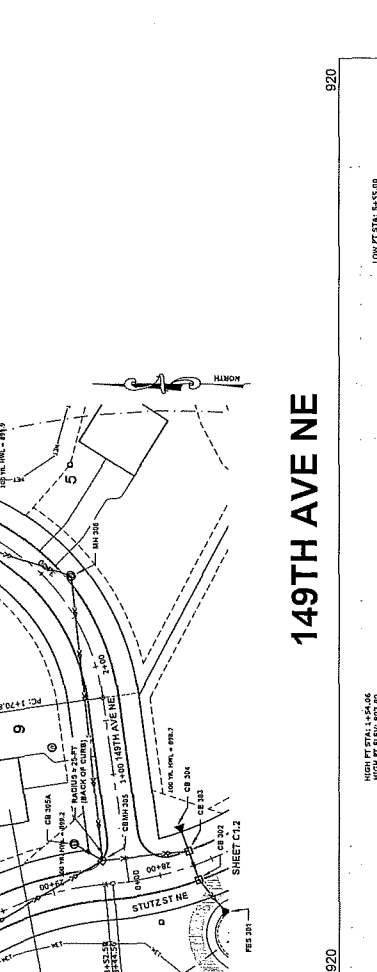
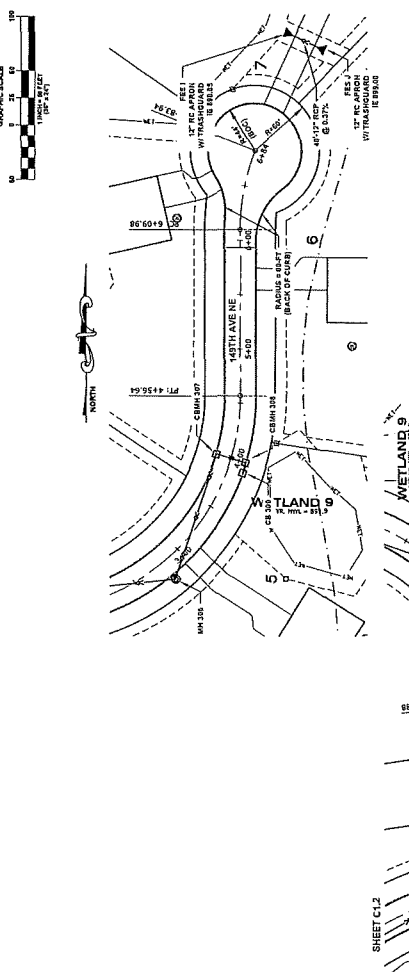
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BY:	JL
CHECKED:	ML
DATE:	11/11/11
BY:	JL
CHECKED:	ML

NO.	DATE	DESCRIPTION
1	11/11/11	PRELIMINARY
2	11/11/11	REVISED
3	11/11/11	REVISED
4	11/11/11	REVISED
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6	11/11/11	REVISED
7	11/11/11	REVISED
8	11/11/11	REVISED
9	11/11/11	REVISED
10	11/11/11	REVISED

THESE PLANS WERE PREPARED BY THE ENGINEER OR ARCHITECT OR PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
HIDDEN FOREST EAST FOURTH ADDITION
CITY OF HAM LAKE, MINNESOTA
PLAN PROFILE - 148TH & 149TH AVE NE
PREPARED FOR: HINTERBERG, LLC

C1.4
SHEET

22,300



GENERAL NOTES

1. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING THE LOCATION AND DEPTH OF UTILITIES IS TO BE ACCURATE FOR ALL UTILITIES. THE CONTRACTOR IS TO VERIFY THE LOCATION AND DEPTH OF UTILITIES AS NECESSARY TO AVOID DAMAGE TO EXISTING UTILITIES.
2. CALL 'X' FOR EXISTING UTILITIES PRIOR TO ANY EXCAVATION.
3. LOCATION OF EXISTING UTILITIES AND DEPTH THEREOF SHALL BE SHOWN ON THE CITY STANDARD DRAWING.
4. STRENGTH OF MATERIALS OR EQUIPMENT SHALL NOT BE LESS THAN THAT SPECIFIED ON THE CITY STANDARD DRAWING.
5. ANY CITY AND COUNTY WATER MAINS SHALL BE PROTECTED BY A CONCRETE CURB AND GUTTER INCLUDING THE CONCRETE CURB AND GUTTER.
6. ALL ELECTRICAL, TELEPHONE, AND GAS EXTERNSORS INCLUDING CONDUITS SHALL BE PROTECTED BY A CONCRETE CURB AND GUTTER.
7. ALL UTILITIES SHALL BE PROTECTED BY A CONCRETE CURB AND GUTTER.
8. ALL UTILITIES SHALL BE PROTECTED BY A CONCRETE CURB AND GUTTER.
9. ALL UTILITIES SHALL BE PROTECTED BY A CONCRETE CURB AND GUTTER.
10. ALL UTILITIES SHALL BE PROTECTED BY A CONCRETE CURB AND GUTTER.

STORM SEWER NOTES

1. FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING STORM SEWER LINES AND RECORD THEM TO ANY UTILITIES.
2. ALL STORM SEWER LINES SHALL BE 18" DIA. UNLESS OTHERWISE NOTED.
3. ALL STORM SEWER LINES SHALL BE 18" DIA. UNLESS OTHERWISE NOTED.
4. ALL STORM SEWER LINES SHALL BE 18" DIA. UNLESS OTHERWISE NOTED.
5. ALL STORM SEWER LINES SHALL BE 18" DIA. UNLESS OTHERWISE NOTED.
6. ALL STORM SEWER LINES SHALL BE 18" DIA. UNLESS OTHERWISE NOTED.
7. ALL STORM SEWER LINES SHALL BE 18" DIA. UNLESS OTHERWISE NOTED.
8. ALL STORM SEWER LINES SHALL BE 18" DIA. UNLESS OTHERWISE NOTED.
9. ALL STORM SEWER LINES SHALL BE 18" DIA. UNLESS OTHERWISE NOTED.
10. ALL STORM SEWER LINES SHALL BE 18" DIA. UNLESS OTHERWISE NOTED.

LEGEND

- EXISTING STORM SEWER
- EXISTING PLUMBING
- EXISTING PLUMBING SECTION
- EXISTING PLUMBING SECTION
- EXISTING PLUMBING SECTION
- EXISTING PLUMBING SECTION
- EXISTING PLUMBING SECTION
- EXISTING PLUMBING SECTION
- EXISTING PLUMBING SECTION
- EXISTING PLUMBING SECTION

CURB & BITUMINOUS NOTES

1. REQUIRED FOR CONSTRUCTION IS CONCRETE IN ACCORDANCE WITH THE CITY STANDARD DRAWING.
2. ALL CURB, PAVEMENT PATCHES TO BE SLOTTED AT 1/4" DIA. SPACING.
3. ALL CURB, PAVEMENT PATCHES TO BE SLOTTED AT 1/4" DIA. SPACING.
4. ALL CURB, PAVEMENT PATCHES TO BE SLOTTED AT 1/4" DIA. SPACING.
5. ALL CURB, PAVEMENT PATCHES TO BE SLOTTED AT 1/4" DIA. SPACING.
6. ALL CURB, PAVEMENT PATCHES TO BE SLOTTED AT 1/4" DIA. SPACING.
7. ALL CURB, PAVEMENT PATCHES TO BE SLOTTED AT 1/4" DIA. SPACING.
8. ALL CURB, PAVEMENT PATCHES TO BE SLOTTED AT 1/4" DIA. SPACING.
9. ALL CURB, PAVEMENT PATCHES TO BE SLOTTED AT 1/4" DIA. SPACING.
10. ALL CURB, PAVEMENT PATCHES TO BE SLOTTED AT 1/4" DIA. SPACING.

GENERAL NOTES

1. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF EXISTING UTILITIES IS NOT GUARANTEED TO BE ACCURATE ON 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.
2. CALL "X" FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY EXCAVATIONS.
3. THE CONTRACTOR SHALL FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF INSTALLATIONS.
4. INSTALLATIONS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS AND DETAIL PLATES.
5. STRUCTURES OR MATERIALS OR EQUIPMENT SHALL NOT BE ALLOWED ON PUBLIC STREETS OR WITHIN PUBLIC RIGHT-OF-WAY.
6. NOTIFY CITY AND COON CREEK WATERSHED DISTRICT (COWD) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
7. 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.

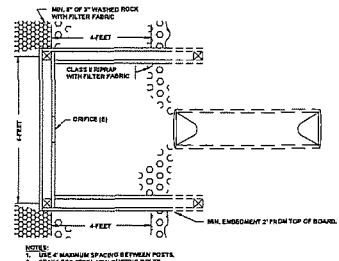
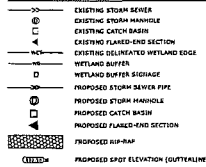
CURB & BITUMINOUS NOTES

1. REMOVAL AND DISPOSAL OF EXISTING STREET MATERIALS AS REQUIRED FOR CONSTRUCTION IS CONSIDERED INCIDENTAL.
2. ALL MATCH POINTS AND PAVEMENT PATCHES TO BE SAUC-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

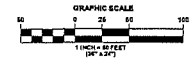
1. FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING STORM SEWER AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY INSTALLATIONS.
2. STORM SEWER SHALL BE:
 - (A) REINFORCED CONCRETE PIPE (RCP) ANSI C76 WITH R4 GASSETS.
 - (B) HOPE PIPE SHALL MEET THE REQUIREMENTS OF AASHTO M294 TYPE 5 WITH WATERTIGHT CONNECTIONS. USE SAND/GRANULAR MATERIAL FOR BACKFILLING AND COMPACTION OF HOPE PIPE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM 2291.
3. DO NOT BACKFILL CATCH BASINS UNTIL FABRIC WRAP IS INSPECTED BY CITY.
4. TRASH GUARDS ARE REQUIRED FOR ALL FLARED-END SECTIONS LESS THAN 48" IN DIAMETER.
5. PROVIDE CLASS III RIP-RAP W/ FILTER FABRIC AT ALL PIPE OUTLETS.
6. THE CITY ENGINEER SHALL BE NOTIFIED PRIOR TO ANY INSTALLATION OF TRASH GUARDS OR OTHER STRUCTURES.
7. THE CITY ENGINEER SHALL BE NOTIFIED PRIOR TO ANY INSTALLATION OF TRASH GUARDS OR OTHER STRUCTURES.
8. THE CITY ENGINEER SHALL BE NOTIFIED PRIOR TO ANY INSTALLATION OF TRASH GUARDS OR OTHER STRUCTURES.
9. THE CITY ENGINEER SHALL BE NOTIFIED PRIOR TO ANY INSTALLATION OF TRASH GUARDS OR OTHER STRUCTURES.

LEGEND



PLAN VIEW

NWL	POND NUMBER			
	1	2	3	4
TOP OF BOARDS	A 894.8	896.0	895.8	896.0
ORIFICE TYPE	D	B	B	B
ORIFICE DIAMETER	E	4.0	4.0	6.0
BOTTOM OF BOARD 1	C	894.3	897.5	895.3
BOTTOM OF OPENING	B	893.8	897.0	894.8
DOWNSTREAM INVERT	F	894.60	897.80	895.60



575 LAKE DRIVE
SUITE 110
LINO LAKE, MN 56114
PHONE: (951) 241-4716
FAX: (951) 241-4716

DRAWN BY: CHECK BY:
JGJ: CJP

JOB NO.: DATE:
22-043 02/18/23

NO.	DATE	DESCRIPTION
1	02/18/23	ISSUE FOR CONSTRUCTION
2	02/18/23	ISSUE FOR CONSTRUCTION
3	02/18/23	ISSUE FOR CONSTRUCTION
4		
5		
6		
7		
8		
9		
10		

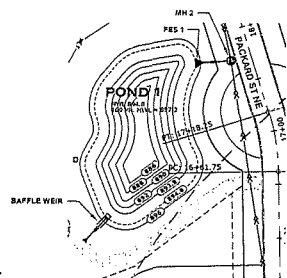
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

[Signature]
DATE: 02/18/2023

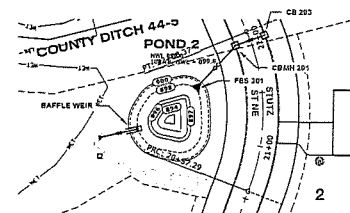
HIDDEN FOREST EAST FOURTH ADDITION
CITY OF HAIL LAKE, MINNESOTA
POND OUTLETS
PREPARED BY: JPH/PROFESSIONAL ENGINEER, LLC

SHEET
C1.5

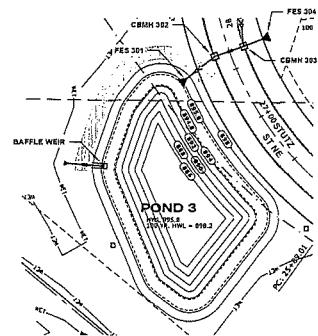
**EXISTING POND 3-2
HIDDEN FOREST EAST THIRD ADDITION**



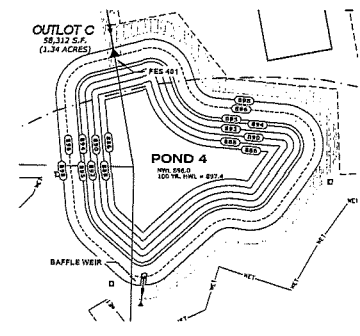
POND 1



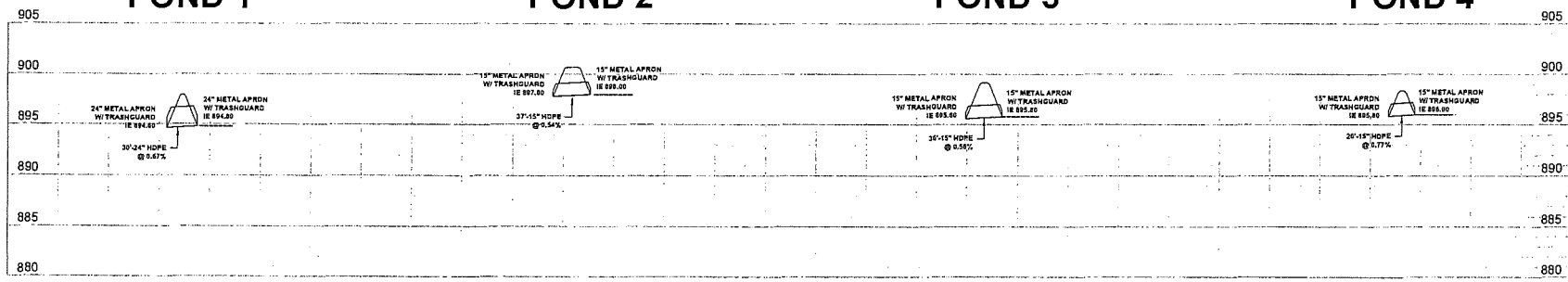
POND 2



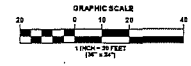
POND 3



POND 4



2/1/2018 05:27:49:257 - WPA025-11061 - 1:000 - 11/11/2018 05:27:49:257 - WPA025-11061 - 1:000 - 11/11/2018 05:27:49:257



PLOWE
ENGINEERING, INC.

8775 LAKE DRIVE
SUITE 310
LINO LAKE, MN 55054
PHONE: (951) 341-8793
FAX: (951) 341-8791

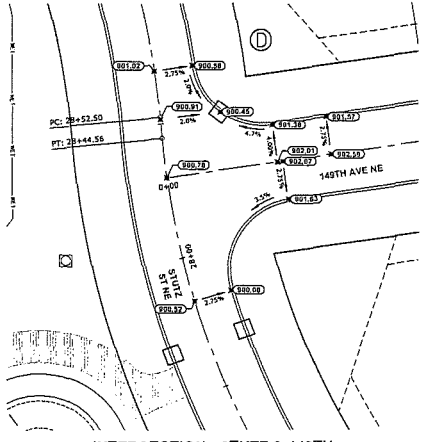
DRAWN BY: CHECK BY:
JG DATE: CJP
JOB NO: 22-2043 DATE: 02/18/23

NO.	DATE	DESCRIPTION
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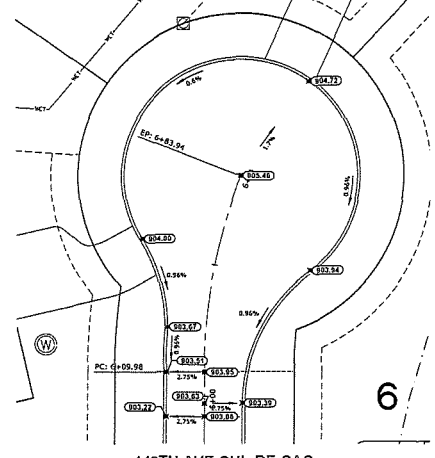
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY A PROFESSIONAL ENGINEER REGISTERED AND LICENSED UNDER THE LAWS OF THE STATE OF MINNESOTA.
DATE: 02/18/23 LICENSE NO. 0430

HIDDEN FOREST EAST FOURTH ADDITION
CITY OF HAIL LAKE, MINNESOTA
INTERSECTION AND C-D-S DETAILS
PREPARED FOR: HDP/PROFESSIONALS, LLC

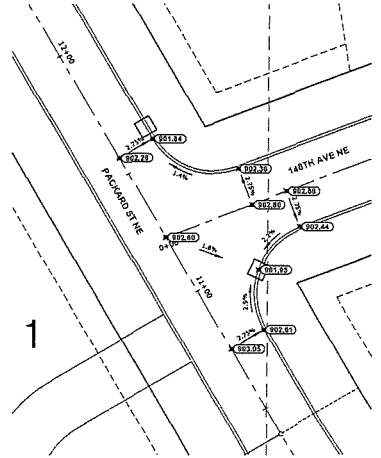
SHEET
C1.6



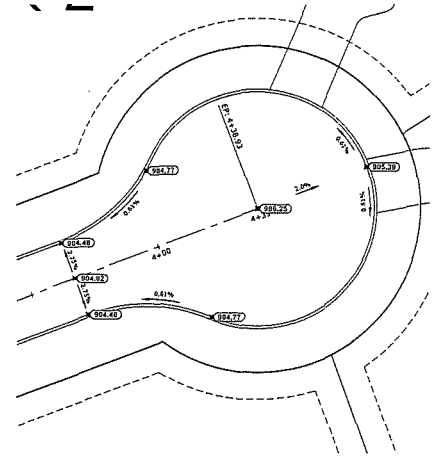
INTERSECTION - STUTZ & 149TH



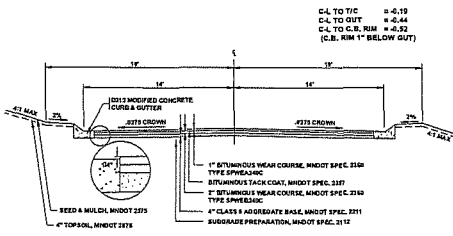
149TH AVE CUL-DE-SAC



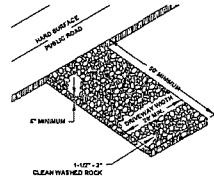
INTERSECTION - PACKARD & 148TH



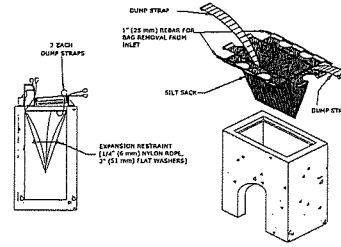
148TH AVE CUL-DE-SAC



TYPICAL STREET SECTION (7-TON)
N.T.S.



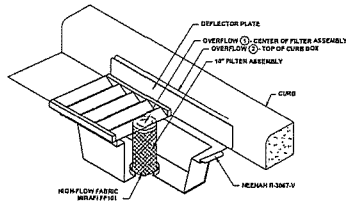
ROCK CONSTRUCTION EXIT
N.T.S.



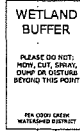
SILT SACK
N.T.S.



TYPICAL POND SECTION
N.T.S.



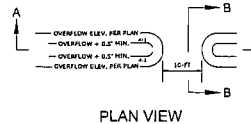
WIMCO INLET PROTECTION
N.T.S.



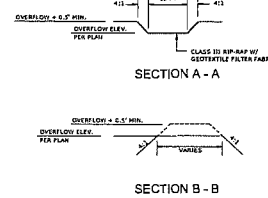
- WETLAND BUFFER SIGNAGE**
- INSTALLMENT**
1. CONCRETE OF 4 FOOT AND A SIDE
- WETLAND BUFFER SIGNS**
1. PAINTED FALLO WITH TOP OF SIGN
 2. FACTOR WITH SIGN SUPPORTS BRACES OR ADJUST
 3. SIGN TO BE 4\"/>
 - 4. BRACK SIGN TO BE
- FIELD MATERIALS**
1. 4\"/>
 - 2. BRACK SIGN OR OTHER CITY APPROVED MATERIAL
- COLOR**
1. SIGNS BY GREEN LETTERS ON WHITE BACKGROUND
- POST INSTALLATION**
1. POINTED TO A HEAD OF FOUR FEET FROM GRADE
 2. SET AS LEVEL TO INDICATE DISTANCE
 3. OVERFLOW = 0.2\"/>
 - 4. PLACE SIGN WITH PROPER SIGN AS NECESSARY TO FOLLOW SIGN

EXAMPLE ONLY - TO BE APPROVED BY CITY OF HAM LAKE AND COON CREEK WATERSHED DISTRICT

WETLAND BUFFER SIGNAGE
N.T.S.



RIP-RAP OVERFLOWS
N.T.S.



RIP-RAP OVERFLOWS
N.T.S.

STORM SEWER STRUCTURE SCHEDULE					
#	SIZE	CASTING	#	SIZE	CASTING
102	48" DIA.	NEENAH R-1733	305	60" DIA.	NEENAH R-3246-C
103	48" DIA.	NEENAH R-3246-C	305A	MNDOT TYPE G	NEENAH R-2577
104	2' x 3'	NEENAH R-3246-C	306	48" DIA.	NEENAH R-1733
105	48" DIA.	NEENAH R-3246-C	307	48" DIA.	NEENAH R-3246-C
106	48" DIA.	NEENAH R-3246-C	308	48" DIA.	NEENAH R-3246-C
107	MNDOT TYPE G	NEENAH R-2577	309	2' x 3'	NEENAH R-3246-C
108	2' x 3'	NEENAH R-3246-C	310	48" DIA.	NEENAH R-3246-C
109	48" DIA.	NEENAH R-3246-C	311	2' x 3'	NEENAH R-3246-C
110	48" DIA.	NEENAH R-3246-C			
111	2' x 3'	NEENAH R-3246-C	402	48" DIA.	NEENAH R-3246-C
			403	48" DIA.	NEENAH R-3246-C
202	48" DIA.	NEENAH R-3246-C	405	48" DIA.	NEENAH R-1733
203	2' x 3'	NEENAH R-3246-C			
302	48" DIA.	NEENAH R-3246-C			
303	48" DIA.	NEENAH R-3246-C			



2715 LAKE DRIVE
SUITE 112
LINO LAKE, WI 53044
PHONE: (913) 541-2813
FAX: (913) 341-4761
DRAWN BY: JAC
CHECK BY: CJP
JOB NO.: 22-003
DATE: 09/16/23

NO.	DATE	DESCRIPTION
1	4/1/23	ISSUE & CON COMMENTS
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

DESIGNED BY: JAC
CHECKED BY: CJP
DATE: 04/16/23
LINO LAKE, WI 53044

HIDDEN FOREST EAST FOURTH ADDITION
CITY OF HAM LAKE, MINNESOTA
DETAILS
PREPARED FOR: WPT PROPERTIES, LLC



4755 LAND DRIVE
SUITE 110
LINO LAKE, MN 55814
PHONE: (813) 381-8919
FAX: (813) 381-8731

DRAWN BY: COOP
CHECK BY: COOP
JOB NO.: 22-463
DATE: 02/11/03

NO.	DATE	DESCRIPTION
1	02/11/03	1. REVISION COMMENTS
2		
3		
4		
5		
6		
7		
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9		
10		

THIS DRAWING AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF PLOWE ENGINEERING, INC. AND ARE TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF PLOWE ENGINEERING, INC. IS STRICTLY PROHIBITED.

DATE: 02/11/03
DRAWN BY: COOP
CHECK BY: COOP

HIDDEN FOREST EAST FOURTH ADDITION
CITY OF HAILAKE, MINNESOTA
DETAILS

PREPARED FOR: WPT PROPERTIES, LLC

SHEET
C2.2

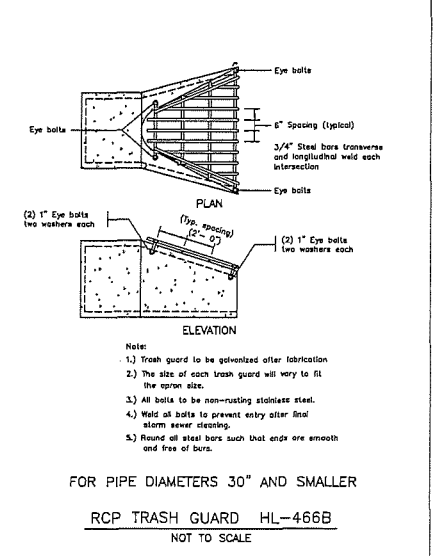
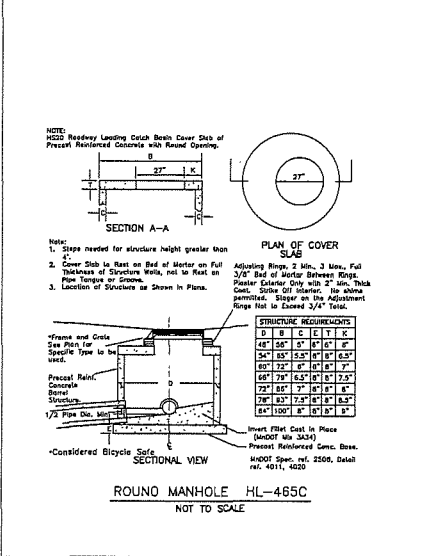
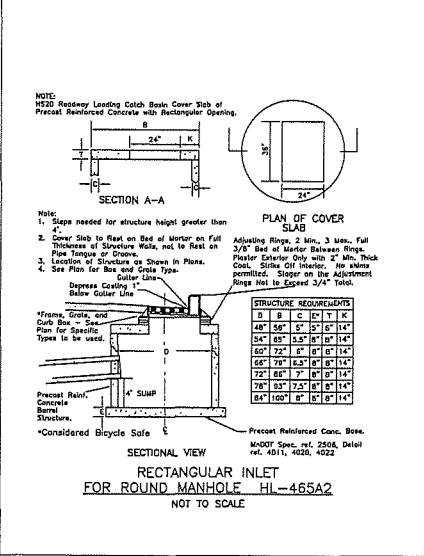
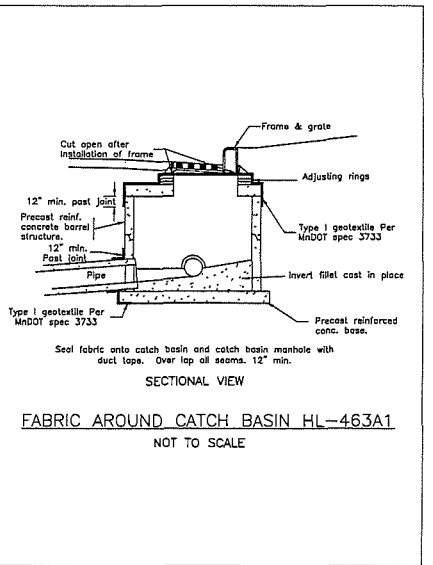
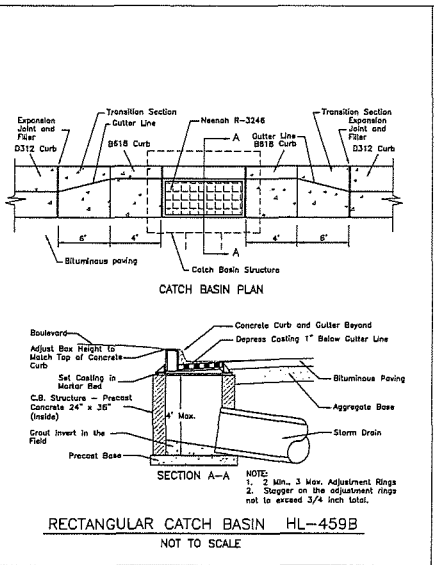
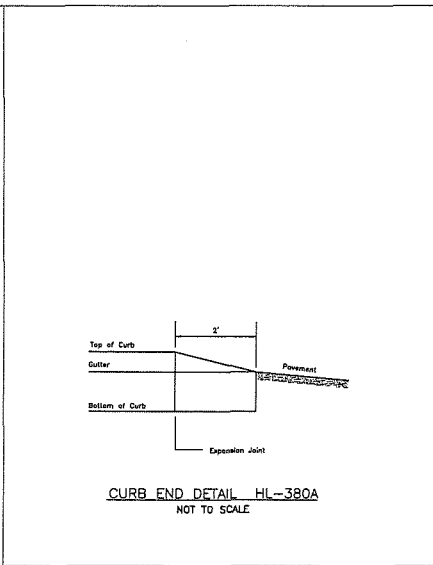
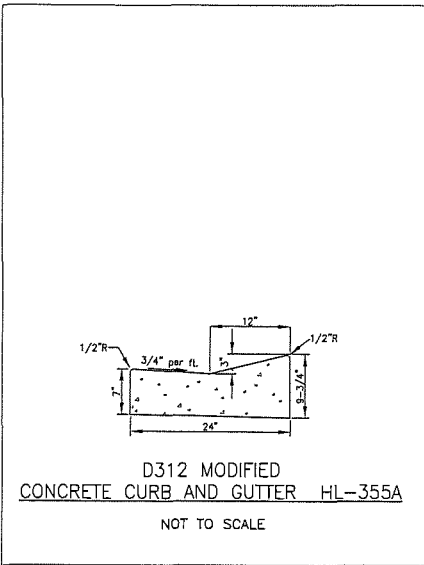


TABLE OF QUANTITIES
Riprap at RCP Outlets

Pipe (in.)	L (ft.)	Class II Riprap (Cu. Yds.)			Class III Riprap (Cu. Yds.)		
		Depth 6"	Depth 8"	Depth 12"	Depth 6"	Depth 8"	Depth 12"
12	8	3.0	4.4	5.9			
15	8	3.2	4.8	6.4			
18	10	4.3	6.4	8.3			
21	10	4.7	7.1	9.4			
24	12	6.2	9.2	12.3			
27	12	6.6	9.9	13.2			
30	14	8.2	11.3	15.4			
36	16	10.6	15.8	21.1			
42	18	12.5	18.7	24.8			
48	20	14.8	22.2	29.8			

TABLE OF QUANTITIES
Riprap at RCPA Outlets

Pipe (in.)	L (ft.)	Class II Riprap (Cu. Yds.)			Class III Riprap (Cu. Yds.)		
		Depth 6"	Depth 8"	Depth 12"	Depth 6"	Depth 8"	Depth 12"
22	10	4.1	5.1	6.1			
24	12	5.2	6.5	7.3			
26	14	7.5	11.2	14.9			
28	16	9.5	14.5	19.0			
30	18	11.3	16.9	22.5			
36	20	13.2	19.8	26.4			

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 AND LOCATION OF UTILITIES AS NECESSARY TO AVOID DAMAGE TO THESE UTILITIES.
2. CALL "811" FOR EXISTING UTILITIES LOCATIONS PRIOR TO ANY EXCAVATIONS.
3. THE CONTRACTOR SHALL FIELD VERIFY SIZE, ELEVATION, AND LOCATION OF EXISTING UTILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF INSTALLATIONS.
4. INSTALLATIONS SHALL CONFORM TO THE CITY STANDARD SPECIFICATIONS AND DETAIL PLATES.
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6. NOTIFY CITY AND COON CREEK WATERSHED DISTRICT (CCWD) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
7. 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 PRIOR TO ANY INSTALLATIONS.
2. STORM SEWER SHALL BE:
 - (A) REINFORCED CONCRETE PIPE (RCP) ANSI C78 WITH R-4 GASKETS.
 - (B) HDPE PIPE SHALL MEET THE REQUIREMENTS OF AASHTO M242 TYPE S WITH WATER-TIGHT CONNECTIONS. USE SAND/ANGULAR MATERIAL FOR BACKFILLING AND COMPACTION OF HDPE PIPE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM D2321.
3. DO NOT BACKFILL CATCH BASINS UNTIL FABRIC WRAP IS INSPECTED BY CITY.
4. TRASH GUARDS ARE REQUIRED FOR ALL FLARED-END SECTIONS LESS THAN 48" IN DIAMETER.
5. PROVIDE CLASS II RIP-RAP W/ FILTER FABRIC AT ALL PIPE OUTLETS.
6. THE LAST THREE SECTION OF CONCRETE PIPE, INCLUDING APRON, FOR CONCRETE PIPES LESS THAN 48" IN DIAMETER.
7. STORM SEWER LENGTHS INCLUDE THE LAYING LENGTH OF THE FLARED-END SECTION. LAYING LENGTH OF FLARED-END SECTION TO BE DEDUCTED FROM PAYMENT LENGTH OF PIPE.
8. ARCH PIPE JOINTS MUST BE WRAPPED WITH FABRIC OR OTHER PROTECTION TO PREVENT SEGMENT FROM ENTERING PIPE. SEE SHEET C3.1 FOR STRUCTURE SCHEDULE.

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. RESTONE DISTURBED STREET TO EXISTING OR BETTER SECTION.
4. BACKFILLING OF CURBS IS INCIDENTAL TO CURB INSTALLATION.

MISCELLANEOUS NOTES

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



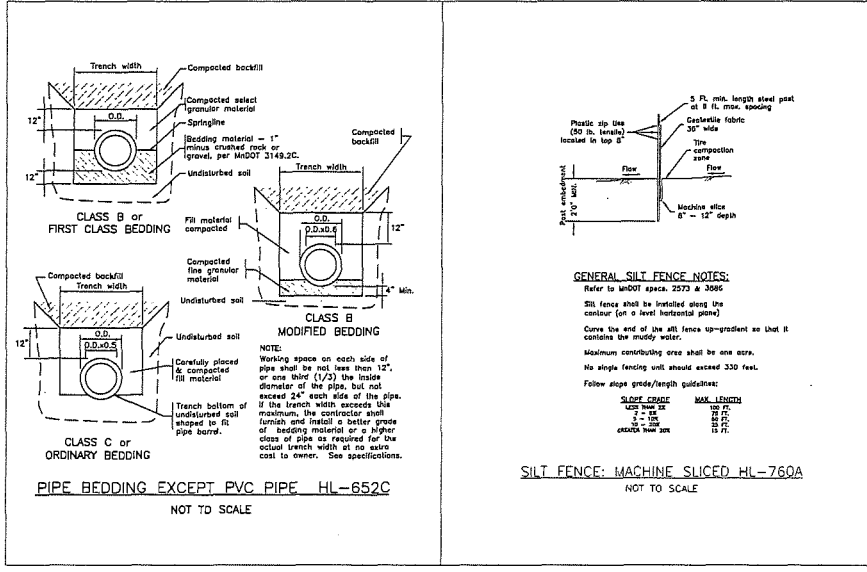
4742 LAKE DRIVE
SUITE 110
LITTLE LAKE, MN 55914
PHONE: (855) 381-4791
FAX: (855) 381-4791

DRAWN BY: AS CHECK BY: CDF

JOB NO.: 21-2043 DATE: 03/20/23

NO.	DATE	DESCRIPTION
1	2.4.23	ISSUE RECORD COMMENTS
2		
3		
4		
5		
6		
7		
8		
9		
10		

THESEY & COMPANY, INC. PLAN MAN PREPARED BY THE CITY OF HIDDEN FOREST UNDER THE LAWS OF MINNESOTA UNDER THE LAWS OF THE STATE OF MINNESOTA
DATE: 03/20/23
LUCAS H. CHAS

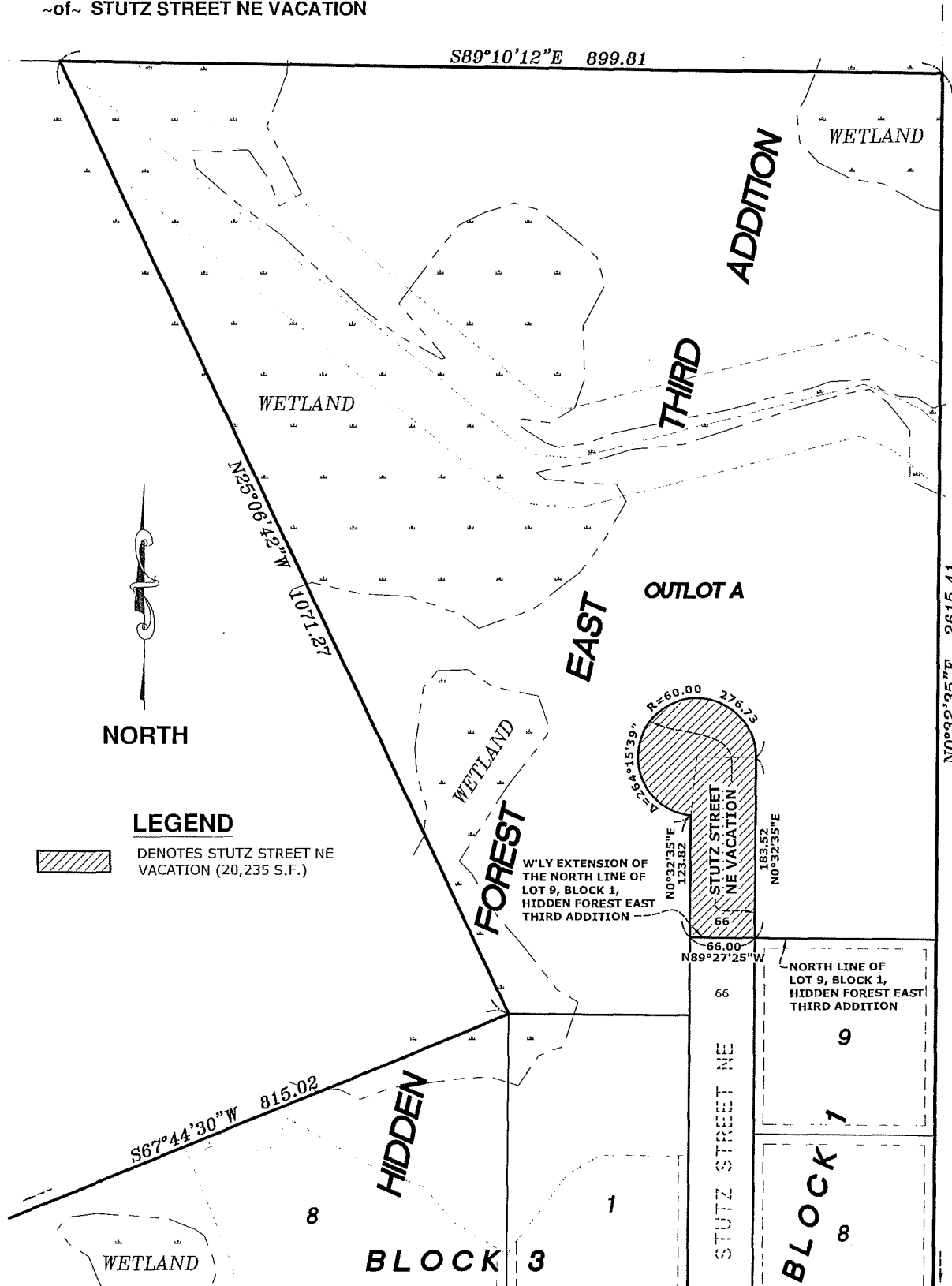


HIDDEN FOREST EAST FOURTH ADDITION
CITY OF HIDDEN FOREST, MINNESOTA
DETAILS
PREPARED FOR: JPH PROPERTIES, LLC

SHEET
C2.3

SKETCH AND DESCRIPTION

~for~ HIDDEN FOREST EAST FOURTH ADDITON
 ~of~ STUTZ STREET NE VACATION



STUTZ STREET NE - VACATION DESCRIPTION

That part of Stutz Street as dedicated on the recorded plat of HIDDEN FOREST EAST THIRD ADDITION, Anoka County, Minnesota, which lies north of the westerly extension of the northerly line of Lot 9, Block 1, HIDDEN FOREST EAST THIRD ADDITION.

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

By: Minnesota License No. 41578

Dated 31st day of July 2023.

DATUM: COUNTY		JOB NO. 210452PP	
REVISIONS		SCALE: 1" = 100'	
1		DATE: 07-31-23	
2		DRAWN BY: JEN	
3		CREW: TBD	
NO.	DATE	DESCRIPTION	BY



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

PERMIT
COON CREEK WATERSHED DISTRICT
13632 Van Buren St NE
Ham Lake, MN 55304
Permit Number: 2330

Project: Hidden Forest East Fourth Addition

Issued to: HFN Properties, LLC
17404 Ward Lake Dr
Anoka MN 55304

Location: Stutz St NE and 149th Ave NE
Ham Lake, MN 55304

Permit Application #: P-23-023

Purpose: Construction of a 22-lot single family home development with associated stormwater features, streets, and utilities

At its meeting on 4/24/2023, 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. Civil Plans (12 sheets); by Plowe, dated 05/16/2023, received 05/16/2023.
2. Grading Plans (5 sheets); by Plowe, dated 05/16/2023, received 05/16/2023.
3. Stormwater Management Plan; by Plowe, dated 05/16/2023, received 05/16/2023.
4. Response Letter; by Plowe, dated 05/16/2023, received 05/16/2023.
5. Storm Sewer Sizing; by Plowe, dated 4/11/2023, received 4/11/2023.
6. Permit application, by Applicant, dated 2/02/2023, received 2/14/2023.
7. County Ditch Culvert Sizing, by Plowe, dated 2/1/2023, received 2/17/2023.
8. Geotechnical Report, by Braun Intertec, dated 12/08/2022, received 2/14/2023.
9. Soil Borings, by Tradewell Soil testing, dated 12/23/2022, 10/16,2020, 10/32022, received 2/14/2023.
10. High Water Level Memo, by Braun Intertec, dated 1/06/2023, received 2/14/2023.
11. Updated Water Level Reading, by Braun Intertec, dated 2/16/2023, received 3/17/2023.

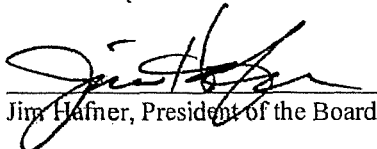
The Board of Managers found the project as planned to be in accordance with the Rules and Regulations, and Guidelines of the District, and therefore, approved the permit with 3 stipulations.

1. Submittal of as-builts for the stormwater management practices and associated structures listed in Table 2, including volume, critical elevations, and proof of installation for hydrodynamic separators.
2. If dewatering is required, provide DNR dewatering permit prior to construction. If a DNR permit is not required, provide well-field location, rates, discharge location, schedule and quantities prior to construction.
3. Submittal of as-built (invert, pipe material, pipe size) for culvert installation within County Ditch 44-5.

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: 7/25/2023
Date of Expiration: 7/25/2024



Jim Hafner, President of the Board of Managers

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

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.
2. 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:

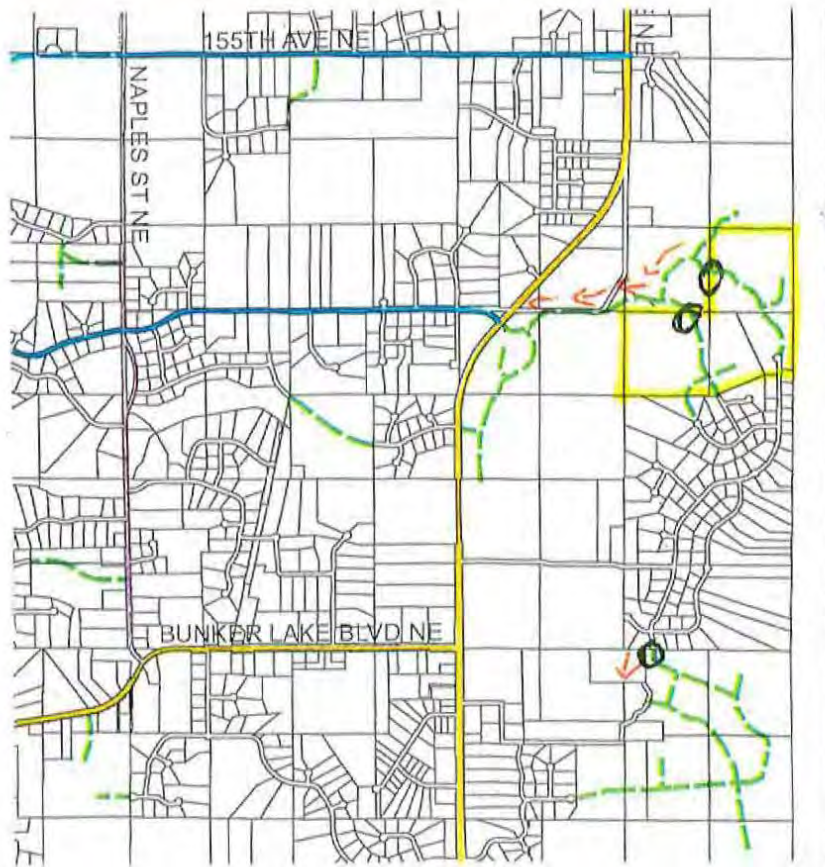
1. The project is complete
2. The site is stabilized
3. The project is ready for final inspection
4. All stipulations listed on this permit have been fulfilled
5. If applicable, the applicant would like return of its escrow

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.

Future Potential Ingress/Egress Points for Hidden Forest East Development



LEGEND

- P
- M
- M
- M
- P
- P
- P
- P

