

CITY OF FALCON HEIGHTS
Regular Meeting of the City Council
City Hall
2077 West Larpenteur Avenue

AGENDA
March 28, 2012

- A. CALL TO ORDER:
- B. ROLL CALL: LINDSTROM ____ HARRIS ____ GOSLINE ____
LONG ____ MERCER-TAYLOR ____
FISCHER ____
- C. PRESENTATIONS:
 - 1. Neal Kwong Youth Citizenship Award Presentation
 - 2. CERT Graduation
 - 3. Metropolitan Council/Met Transit Presentation on Snelling Bus Rapid Transit - Charles Carlson
- D. APPROVAL OF MINUTES: March 14, 2012
- E. PUBLIC HEARINGS:
- F. CONSENT AGENDA:
 - 1. General Disbursements through 3/19/2012: \$54,704.16
Payroll through 3/15/2012: \$13,797.64
 - 2. City License Renewal
 - 3. Gibbs Farm Sidewalk Agreement
 - 4. Beyond the Yellow Ribbon
- G. POLICY ITEMS:
 - 1. Coal Tar Sealant Ordinance
- H. INFORMATION/ANNOUNCEMENTS:
- I. COMMUNITY FORUM:
- J. ADJOURNMENT:

The 2012 Neal Kwong Youth Citizenship Award

Recipients

- *Seth Reasoner*
- *Katherine Allen*

CERT Graduation

Recipient List

- Sandra Young
- Jon Stammes
- John B. Sagstetter
- Jonathan Machler
- Yelena Kurdyumov
- Lisa Koland
- Duane Pulford
- Marjan Jahani
- Veronica Hill
- Steve Goers
- Jim Bownik
- Rick Ailts

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2077 West Larpenteur Avenue

AGENDA
March 14, 2012

- A. CALL TO ORDER:
- B. ROLL CALL: LINDSTROM _X_ HARRIS _X_ GOSLINE _X_
LONG _ab_ MERCER-TAYLOR _ab_
FISCHER _X_
- C. PRESENTATIONS:
1. St. Anthony Police Department Annual Report
Presented by Chief John Ohl and Captain Dominic Controneo
- D. APPROVAL OF MINUTES: February 8, 2012 Approved
- E. PUBLIC HEARINGS:
- F. CONSENT AGENDA: Keith Gosline Moved Approval 3-0
1. General Disbursements through 2/28/2012: \$229,902.19
Payroll through 2/29/2012: \$31,491.71
2. City License Renewal
3. Approval of City Hall Roof Replacement bid
4. Acceptance of Source Comics and Games Donation
5. Sanitary Sewer Cleaning Program
6. Reestablishment of City's Precinct Boundaries
- G. POLICY ITEMS: Pam Harris Moved Approved 3-0
1. Tobacco Ordinance Amendment Tabled
2. Coal Tar Sealant Ordinance
- H. INFORMATION/ANNOUNCEMENTS:
- I. COMMUNITY FORUM:
- J. ADJOURNMENT: 8:17pm



The City That Soars!

REQUEST FOR COUNCIL ACTION

Meeting Date	March 28, 2012
Agenda Item	Consent F1
Attachment	General Disbursements and Payroll
Submitted By	Roland Olson, Finance Director

Item	General Disbursements and Payroll
Description	General Disbursements through 3/19/2012: \$54,704.16 Payroll through 3/15/2012: \$13,797.64
Budget Impact	
Attachment(s)	General Disbursements and Payroll
Action(s) Requested	Staff recommends that the Falcon Heights City Council approve general disbursements and payroll.

PACKET: 00671 MAR 19TH PAYABLES

VENDOR SET: 01 City of Falcon Heights

SEQUENCE : ALPHABETIC

DUE TO/FROM ACCOUNTS SUPPRESSED

-----ID-----			GROSS	P.O. #		
POST DATE	BANK CODE	-----DESCRIPTION-----	DISCOUNT	G/L ACCOUNT	-----ACCOUNT NAME-----	DISTRIBUTION
=====						
01-00142		ACTION IMPRINTS				

I 3267B		SWEATSHIRTS & HATS	336.00			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		SWEATSHIRTS AND HATS		101 4132-77000-000	CLOTHING	336.00
		=== VENDOR TOTALS ===	336.00			
=====						
01-00800		ALLIED WASTE SERVICES				

I-0923-001922625		MAR/12 WASTE REMOVAL	310.91			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		MAR/12 WASTE REMOVAL		101 4131-82010-000	WASTE REMOVAL	310.91
		=== VENDOR TOTALS ===	310.91			
=====						
01-00255		AMERICAN OFFICE PRODUCTS				

I-124426		LETTERHEAD ENVELOPES	293.52			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		LETTERHEAD ENVELOPES		101 4112-70100-000	SUPPLIES	293.52
		=== VENDOR TOTALS ===	293.52			
=====						
01-00250		AMERIPRIDE SERVICES				

I-1001109379		LINEN CLEANING	39.14			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		LINEN CLEANING		101 4124-82011-000	LINEN CLEANING	39.14
		=== VENDOR TOTALS ===	39.14			
=====						
01-05289		BLOOMINGTON EMBROIDERY				

I-31255		CAPS & T SHIRTS FIRE FIGHTERS	623.00			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		CAPS & T SHIRTS FIRE FIGHTERS		101 4124-77000-000	CLOTHING	623.00
		=== VENDOR TOTALS ===	623.00			
=====						
01-03001		CAMPBELL KNUTSON				

I-201203193345		FEB/12 LEGALS	797.50			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		FEB/12 LEGALS		101 4114-80200-000	LEGAL FEES	797.50
		=== VENDOR TOTALS ===	797.50			

PACKET: 00671 MAR 19TH PAYABLES

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SEQUENCE : ALPHABETIC

DUE TO/FROM ACCOUNTS SUPPRESSED

-----ID-----			GROSS	P.O. #		
POST DATE	BANK CODE	-----DESCRIPTION-----	DISCOUNT	G/L ACCOUNT	-----ACCOUNT NAME-----	DISTRIBUTION
=====						
01-03089	CASH					

I-201203193353		POSTAGE/LAMINATED MAPS/MILEAG	42.92			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		POSTAGE		101 4112-70500-000	POSTAGE	10.30
		LAMINATE MAPS		101 4117-70100-000	SUPPLIES	19.29
		MILEAGE REIMB		101 4113-86010-000	MILEAGE	13.33
		=== VENDOR TOTALS ===	42.92			
=====						
01-03110	CENTURY LINK					

I-201203193346		LAND LINE TELEPHONE	58.66			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		LAND LINE TELEPHONE		101 4141-85011-000	TELEPHONE - LANDLINE	58.66
		=== VENDOR TOTALS ===	58.66			
=====						
01-05704	GOLDSTAR ELEC. INC					

I-2584		ELECT REPAIR PARTS - LIFT STA	255.00			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		ELECT REPAIR PARTS - LIFT STA		601 4601-87000-000	REPAIR EQUIPMENT	255.00
		=== VENDOR TOTALS ===	255.00			
=====						
01-05166	GRAINGER, W. W., INC.					

I-9776501646		SHOPVAC FILTER	9.79			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		SHOPVAC FILTER		101 4131-70110-000	SUPPLIES	9.79
		=== VENDOR TOTALS ===	9.79			
=====						
01-07187	KRISTIN GRANGAARD					

I-201203193341		REIMB: CLASS MANUAL SUPPLIES	130.58			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: Y		
		REIMB: CLASS MANUAL SUPPLIES		211 4211-80320-000	INSTRUCTOR PREP/DELIVERY	130.58

I-201203193342		CERT CLASS REFRESHMENTS	32.89			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: Y		
		CERT CLASS REFRESHMENTS		101 4121-70120-000	SUPPLIES	32.89
		=== VENDOR TOTALS ===	163.47			

PACKET: 00671 MAR 19TH PAYABLES

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-----ID-----			GROSS	P.O. #		
POST DATE	BANK CODE	-----DESCRIPTION-----	DISCOUNT	G/L ACCOUNT	-----ACCOUNT NAME-----	DISTRIBUTION
=====						
01-05244	HENNEPIN TECH COLLEGE					
I-256734		FIRE TNG	59.00			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		FIRE TNG		101 4124-86020-000	TRAINING	59.00
		=== VENDOR TOTALS ===	59.00			
=====						
01-07276	HUGHES & COSTELLO					
I-201203193344		FEB/12 PROSECUTIONS	2,544.00			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		FEB/12 PROSECUTIONS		101 4122-81000-000	POLICE SERVICES	2,544.00
		=== VENDOR TOTALS ===	2,544.00			
=====						
01-05264	JOEL SMITH HEATING & AIR CONDI					
I-26821		2 FURNACES FOR COMM PK BLDG	4,506.00			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		2 FURNACES FOR COMM PK BLDG		403 4403-91000-000	MACHINERY & EQUIPMENT	4,506.00
		=== VENDOR TOTALS ===	4,506.00			
=====						
01-05466	LAND'S END BUSINESS OUTFIT					
I-1216427		SHIRTS WITH CITY LOGO	127.80			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		SHIRTS WITH CITY LOGO		101 4112-70100-000	SUPPLIES	127.80
		=== VENDOR TOTALS ===	127.80			
=====						
01-05510	LEAGUE OF MN CITIES					
I-1639210		JOINT LEGISLATIVE CONFERENCE	95.00			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		JOINT LEGISLATIVE CONFERENCE		101 4112-86100-000	CONFERENCES/EDUCATION/AS	95.00
		=== VENDOR TOTALS ===	95.00			
=====						
01-07272	LILLIE SUBURBAN NEWSPAPER					
I-201203193352		LEGALS:CITY BUDGET/ROOF BIDS/	158.13			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		LEGALS:CITY BUDGET/ROOF BIDS/Z		101 4111-70410-000	LEGAL NOTICES	158.13
		=== VENDOR TOTALS ===	158.13			

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-----ID-----			GROSS	P.O. #		
POST DATE	BANK CODE	-----DESCRIPTION-----	DISCOUNT	G/L ACCOUNT	-----ACCOUNT NAME-----	DISTRIBUTION
=====						
01-05536		LINN BUILDING MAINTENANCE				
I-21843		MAR/12 CLEANING	180.62			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		MAR/12 CLEANING		101 4131-87010-000	CITY HALL MAINTENANCE	180.62
		=== VENDOR TOTALS ===	180.62			
=====						
01-05582		MENARDS				
I-201203193348		MOP BUCKET & CLEANERS	72.10			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		MOP BUCKET & CLEANERS		101 4141-70100-000	SUPPLIES	72.10
		=== VENDOR TOTALS ===	72.10			
=====						
01-05670		METRO PRODUCTS INC				
I-83762		BOLTS/WASHERS/NUTS/FUSES	126.01			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		BOLTS/WASHERS/NUTS/FUSES		101 4131-70110-000	SUPPLIES	126.01
		=== VENDOR TOTALS ===	126.01			
=====						
01-05665		METROPOLITAN COUNCIL				
I-983665		APR/12 S.S.	32,518.75			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		APR/12 S.S.		601 4601-85060-000	METRO SEWER CHARGES	32,518.75
		=== VENDOR TOTALS ===	32,518.75			
=====						
01-05742		MINNESOTA CONWAY				
I-34608		RECHARGE FIRE EXTINGUISHERS	247.00			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		RECHARGE FIRE EXTINGUISHERS		211 4211-80320-000	INSTRUCTOR PREP/DELIVERY	247.00
		=== VENDOR TOTALS ===	247.00			
=====						
01-05468		MN DEPT OF HEALTH				
I-201203193343		WASTE WATER TNG - TIM	23.00			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		WASTE WATER TNG - TIM		601 4601-86100-000	TRAINING	23.00
		=== VENDOR TOTALS ===	23.00			

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01-07263 NEXTEL COMMUNICATIONS, INC

I-201203193337		CELLPHONES FOR FIRE TRKS	92.53		
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N	
		CELLPHONES FOR FIRE TRKS		101 4124-85015-000	CELL PHONE 92.53
		=== VENDOR TOTALS ===	92.53		

01-06053 OREILLY AUTO PARTS

I-201203193338		LATEX GLOVES & F350 STARTER	196.48		
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N	
		LATEX GLOVES		101 4131-70110-000	SUPPLIES 59.10
		F350 STARTER		101 4132-87000-000	REPAIR EQUIPMENT 137.38
		=== VENDOR TOTALS ===	196.48		

01-06059 APRIL OSS

I-201203193340		YOGA INSTRUCTOR	465.60		
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: Y	
		YOGA INSTRUCTOR		201 4201-87700-000	INSTRUCTOR-SPECIALTY CLA 465.60
		=== VENDOR TOTALS ===	465.60		

01-06115 TIMOTHY PITTMAN

I-201203193349		FAUCET & SINK AND MILEAGE	131.04		
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N	
		FAUCET AND SINK		101 4141-70100-000	SUPPLIES 60.00
		MILEAGE		101 4141-86101-000	MILEAGE 71.04
		=== VENDOR TOTALS ===	131.04		

01-06113 PLANNING COMMISSIONERS JOURNAL

I-30927		PLANNING GUIDE	41.25		
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N	
		PLANNING GUIDE		101 4117-70100-000	SUPPLIES 41.25
		=== VENDOR TOTALS ===	41.25		

01-06185 RAMSEY COUNTY

I-PRRRV-504		1ST QTR ELECTION CONTRACT	4,062.50		
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N	
		1ST QTR ELECTION CONTRACT		101 4115-80300-000	ELECTION CONTRACT 4,062.50

PACKET: 00671 MAR 19TH PAYABLES

VENDOR SET: 01 City of Falcon Heights

SEQUENCE : ALPHABETIC

DUE TO/FROM ACCOUNTS SUPPRESSED

-----ID-----			GROSS	P.O. #		
POST DATE	BANK CODE	-----DESCRIPTION-----	DISCOUNT	G/L ACCOUNT	-----ACCOUNT NAME-----	DISTRIBUTION

01-06185 RAMSEY COUNTY (** CONTINUED **)

I-RISK 1484		MAR/12 INS	1,067.08			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		MAR/12 INS		101 4112-89000-000	MISCELLANEOUS	1,067.08
=== VENDOR TOTALS ===			5,129.58			

01-06202 ROOF SPEC INC

I-70879		ROOF ENG DESIGN SVCS	1,000.00			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		ROOF ENG DESIGN SVCS		403 4403-91600-000	ROOF REPAIR	1,000.00
=== VENDOR TOTALS ===			1,000.00			

01-06301 SAMS CLUB DISCOVER CARD

I-201203193347		KITCHEN STOVE & MEMBERSHIP FE	563.45			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		KITCHEN STOVE FOR COMM PARK		402 4402-91000-000	MACHINERY & EQUIPMENT	428.45
		YEARLY MEMBERSHIP FEE		101 4131-70110-000	SUPPLIES	135.00
=== VENDOR TOTALS ===			563.45			

01-06483 SENTRY SYSTEMS, INC.

I-654209		MONITORING SVC	98.82			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		MONITORING SVC		101 4131-87100-000	PANIC BUTTON SECURITY	98.82
=== VENDOR TOTALS ===			98.82			

01-00878 US BANCORP

I-201203193336		WORKSHOP FOOD	25.18			
3/19/2012	APBNK	MANUAL CK# 078972 3/16/2012		1099: N		
		WORKSHOP FOOD		101 4111-70100-000	SUPPLIES	25.18
=== VENDOR TOTALS ===			25.18			

01-05870 XCEL ENERGY

I-201203193339		ELECTRICITY AND GAS	3,373.91			
3/19/2012	APBNK	DUE: 3/19/2012 DISC: 3/19/2012		1099: N		
		ELECTRICITY		209 4209-85020-000	STREET LIGHTING POWER	2,167.22
		ELECTRICITY		209 4209-85020-000	STREET LIGHTING POWER	192.10
		ELECTRICITY		101 4141-85020-000	ELECTRIC/GAS	20.66
		GAS		101 4131-85030-000	NATURAL GAS	993.93
=== VENDOR TOTALS ===			3,373.91			
=== PACKET TOTALS ===			54,705.16			



FlexPerks.



March Statement for activity from Feb. 09, 2012 through Mar. 09, 2012
CITY OF FALCON HEIGHT (CPN 001055690)

Inquiries: 1-866-485-4545
Page 2 of 2

Welcome to U.S. Bank!

U.S. Bank Welcomes
CITY OF FALCON HEIGHT

Thank you for choosing U.S. Bank FlexPerks® Business Cash Rewards Visa®. Your new card benefits include: 100% fraud protection, free online account access at usbank.com, and a convenient way to pay utility, phone and other bills with your card (see usbank.com/paymybills). If you have not done so already, activate your card immediately so it is ready to use when you need it. Please don't hesitate to call us with any question 24/7 at the number listed on your statement. You have the power of All of US Serving you!

L. Heitman
Lynn M. Heitman
Senior Vice President
U.S. Bank

Transactions FISCHER,BART J Credit Limit \$10000

Post Date	Trans Date	Ref. Nbr	Description of Transaction	Amount	Notation
Purchases and Other Debits					
03/09	03/07	3844	JIMMY JOHN'S # 305 FALCON HEIGHT MN.....	\$25.18	W/KEY FOOD
Total for Account 4798 5312 0987 3100.....				\$25.18	

2012 Totals Year-to-Date	
Total Fees Charged in 2012	\$0.00
Total Interest Charged in 2012	\$0.00

Interest Charge Calculation

Your Annual Percentage Rate (APR) is the annual interest rate on your account.

**APR for current and future transactions.

Balance Type	Balance By Type	Balance Subject to Interest Rate	Variable	Interest Charge	Annual Percentage Rate	Expires with Statement	Interest Free Period
PROMO RATE	\$25.18	\$0.00		\$0.00	0.00%	11/2012	YES
**BALANCE TRANSFER	\$0.00	\$0.00	YES	\$0.00	11.99%		NO
**PURCHASES	\$0.00	\$0.00	YES	\$0.00	11.99%		YES
**ADVANCES	\$0.00	\$0.00	YES	\$0.00	20.99%		NO

Important Messages

Federal law requires us to give you a notice regarding negative credit reporting. Please refer to the reverse of your statement for this important notice.

EMP #	NAME	AMOUNT
01-1004	BART J FISCHER	2,408.86
01-1010	MICHELLE C TESSER	1,471.15
01-1012	JESSICA A ANDERSON	426.68
01-1136	ROLAND O OLSON	1,687.87
01-1038	DEBORAH K JONES	1,674.53
01-0085	DANIEL S JOHNSON-POWERS	69.44
01-0086	RICHARD H HINRICHS	79.93
01-0087	MICHAEL A MCKAY	74.37
01-0095	MICHAEL J POESCHL	90.27
01-0105	ANTON M FEHRENBACH	69.20
01-0106	SCOTT A TESCH	21.27
01-0124	MICHAEL D KRUSE	74.37
01-1030	TIMOTHY J PITTMAN	1,815.12
01-1033	DAVE TRETSEVEN	1,477.37
01-1143	COLIN B CALLAHAN	1,066.27

TOTAL PRINTED: 15 12,506.70

3-12-2012 8:58 AM PAYROLL CHECK REGISTER PAGE: 1
 PAYROLL NO: 01 City of Falcon Heights PAYROLL DATE: 3/12/2012

EMP NO	EMPLOYEE NAME	TYPE	CHECK DATE	CHECK AMOUNT	CHECK NO.
1137	DIEGNAU, PAUL	R	3/12/2012	228.54	078959
0034	KURHAJETZ, CLEMENT	R	3/12/2012	62.15	078960
0040	ANDERSON, KEVIN	R	3/12/2012	122.40	078961
0097	GAFFNEY, PATRICK	R	3/12/2012	98.23	078962
0104	VANN, VINCENT A	R	3/12/2012	45.33	078963
0119	WICK, JEFFREY M	R	3/12/2012	31.81	078964
0120	HAWTHORNE, ROCHELLE L	R	3/12/2012	10.73	078965
0123	SULLIVAN, BRYAN R	R	3/12/2012	94.16	078966
0125	MILLER, RACHEL L	R	3/12/2012	47.73	078967
0126	SMITH, BENJAMIN J	R	3/12/2012	85.01	078968
0127	PONTRELLI, MITCHELL E	R	3/12/2012	47.73	078969
0128	ROSENBERG, NICHOLAS M	R	3/12/2012	10.73	078970
0172	ARCAND, MICHAEL W	R	3/12/2012	406.39	078971

3-12-2012 8:58 AM PAYROLL CHECK REGISTER PAGE: 2
 PAYROLL NO: 01 City of Falcon Heights PAYROLL DATE: 3/12/2012

*** REGISTER TOTALS ***

REGULAR CHECKS:	13	1,290.94
DIRECT DEPOSIT REGULAR CHECKS:	15	12,506.70
MANUAL CHECKS:		
PRINTED MANUAL CHECKS:		
DIRECT DEPOSIT MANUAL CHECKS:		
VOIDED CHECKS:		
NON CHECKS:		
TOTAL CHECKS:	28	13,797.64



The City That Soars!

REQUEST FOR COUNCIL ACTION

Meeting Date	March 28, 2012
Agenda Item	Consent F2
Attachment	
Submitted By	Jessica Anderson, Office Assistant

Item	City License Applications
Description	<p>The following individuals have applied for a <u>Municipal License</u> for 2012. Staff has received the necessary documents for licensure.</p> <ol style="list-style-type: none"> 1. Hermes Floral 2. Warner's Stellian <p>The following individuals have applied for a <u>Mechanical License</u> for 2012. Staff has received the necessary documents for licensure.</p> <ol style="list-style-type: none"> 1. Drain Pro Plumbing 2. Kline Corp. 3. Champion Plumbing <p>The following individuals have applied for a <u>Tree Trimming License</u> for 2012. Staff has received the necessary documents for licensure.</p> <ol style="list-style-type: none"> 1. Midwest Tree Experts
Budget Impact	
Attachment(s)	N/A
Action(s) Requested	Staff recommends that the Falcon Heights City Council approve the 2012 City License Applications



The City That Soars!

REQUEST FOR COUNCIL ACTION

Meeting Date	March 28, 2012
Agenda Item	Consent F3
Attachment	Agreement
Submitted By	Debra Bloom, City Engineer

Item	Approve Sidewalk Agreement with Ramsey County Historical Society
Description	<p>As part of the Northeast Suburban Campus Connector Project- Phase 2, we are constructing sidewalk on the north side of Larpenteur Avenue between Coffman Street and Cleveland Avenue.</p> <p>The sidewalk is in the right of way in front of the Gibbs Farm Museum, a site on the Historic Register. The project is funded through Federal Transportation dollars and is required to have a finding of “no negative impact” on this historic site. We have been working with the State Historic Preservation Office to negotiate an agreement with the Ramsey County Historical Society (RCHS) to achieve this finding. We also need a temporary easement from them to construct the improvements.</p> <p>The attached document details the major points that we have agreed upon. The City Attorney has reviewed the document.</p> <p>The RCHS executive committee approved the agreement at their meeting March 20, 2012.</p> <p>Staff is in the final approval phase of the project and construction is scheduled for this summer.</p>
Budget Impact	The project is funded by Federal transportation funds. The agreement includes a commitment to pay for RCHS attorney fees, up to \$3,000, as well as to install landscaping along the north side of the sidewalk, estimated to cost \$12,000. These items will be covered by the Federal grant.
Attachment(s)	Agreement
Action(s) Requested	Staff recommends that the council make a motion to approve Sidewalk Agreement with Ramsey County Historical Society and authorize the Mayor and City Administrator to enter into the agreement.

**AGREEMENT FOR
SIDEWALK CONSTRUCTION**

THIS AGREEMENT is made on the _____ day of _____, 2012 between the City of Falcon Heights (“City”) and the Ramsey County Historical Society (“RCHS”).

RECITALS

A. RCHS owns property located at 2097 and 2129 Larpenteur Avenue (“Property”). The property at 2097 Larpenteur Avenue is on the Minnesota Historic Register.

B. The City desires to construct a sidewalk in the Larpenteur Avenue right-of-way adjacent to the Property as a part of the federally funded project known as *SW-12-03 Northeast Suburban Campus Connector - Phase 2, S.P. No. 160-091-003 NMTP 6209(117)* (“Project”).

C. The City and RCHS have come to an agreement on how to minimize the impacts of the Project on the Property and desire to memorialize the conditions precedent to completing the Project.

NOW THEREFORE, in consideration of their mutual covenants, the parties agree as follows:

1. Sidewalk Construction: The City agrees as follows:

- a. Plans. The City will construct the sidewalk in accordance with the attached Exhibit A Option 4.
- b. Sidewalk width. The sidewalk will be constructed at a 6 foot width in front of the Property. It will be constructed directly behind the existing curb with no grass boulevard.
- c. Sidewalk color. The sidewalk will be standard concrete colored with a clear sealant to minimize the appearance of the new walk in front of the Property.
- d. Tree removal. The City will remove the trees shown on the attached Exhibit A including removal of all stumps.
- e. Fence. The City will remove the existing split rail fence in front of 2097 Larpenteur Avenue. The City will install a new two rail split rail cedar fence as a part of the Project. The new two rail cedar fence will be installed in the same location as the current fence and will be of the same width and height of the existing fence.
- f. Retaining wall. There will be no retaining wall in front of the 2097 property. There will be a retaining wall in front of 2129 Larpenteur Avenue as set forth in Exhibit A. The retaining wall will be constructed of field stone boulders and will have a maximum height of 2.5 feet.
- g. Planting plan. The City will work with RCHS on a planting plan for the land from the sidewalk to 15 feet north of the sidewalk. This plan will consist of native plant species. The layout and species list will be coordinated with RCHS prior to installation. A preliminary planting plan is attached as Exhibit B. Any

revisions to the preliminary planting plan are subject to the review and approval of RCHS. The landscaping will be bid as a part of the Project. The City shall complete the landscaping no later than June 15, 2013. Notwithstanding the foregoing, the City shall endeavor to complete the landscaping by November 1, 2012.

2. Easement. RCHS will grant the City a temporary easement to perform the work on its property, which temporary easement shall terminate on November 13, 2013. The easement is attached hereto as Exhibit C. The City shall repair any damage to RCHS' property arising out of the use of the easement area by the City, its agents or contractors.
3. Cost. The construction of the Project, as detailed above, and the City's maintenance, repair and replacement obligations set forth herein will be paid for entirely by the City at no cost to RCHS.
4. Ownership and Maintenance. The ownership of the constructed Project infrastructure will be as follows:
 - a. Sidewalk. The concrete sidewalk will be owned, maintained and repaired by the City. Maintenance includes, but is not limited to, snow removal, removal of debris, and replacement of damaged panels.
 - b. Retaining wall. The boulder retaining wall will be owned, maintained, repaired and replaced by the City. Maintenance includes, but is not limited to periodic weeding and repair.
 - c. Landscaping. Any landscaping installed as a part of the Project will be maintained by RCHS once the Project warranty period is over. For the purposes of this paragraph, the project warranty period shall be until November 1, 2013.
 - d. Fence. The split rail fence will be owned and maintained by RCHS. Maintenance includes staining, removal and replacement of damaged sections.
5. Closure of Sidewalk. The City agrees to post signs closing the sidewalk for twenty-four (24) hours at such times as RCHS sprays the apple blossoms on the trees on the Property each year. RCHS will provide at least twenty-four (24) hours notice prior to any necessary sidewalk closure.
6. Attorneys' Fees. The City agrees to pay up to Three Thousand Dollars (\$3,000) of any attorneys' fees incurred by RCHS in connection with the preparation and negotiation of this Agreement.
7. Authority. The Mayor and City Administrator of the City of Falcon Heights represent and warrant that the Falcon Heights City Council has approved this Agreement and the City's obligations under this Agreement and that the Mayor and City Administrator are authorized to sign this Agreement on behalf of the City. The Mayor and City Administrator further represent and warrant that upon execution by the City and RCHS this Agreement shall be a binding obligation of the City enforceable in accordance with its terms.

8. Indemnification. Subject to the limitations, immunities and defenses in Minnesota Statute Chapter 466, the City shall indemnify and hold RCHS harmless from any and all losses and liabilities, and all damages, expenses, costs, and fees, including reasonable attorneys' fees, arising out of or related to this Agreement or the City's use of the easement area.

CITY OF FALCON HEIGHTS

Dated: _____, 2012.

Mayor

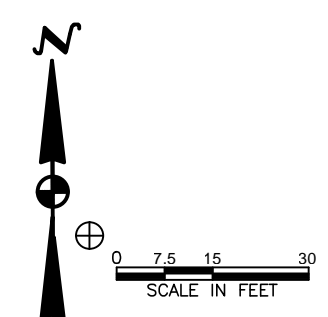
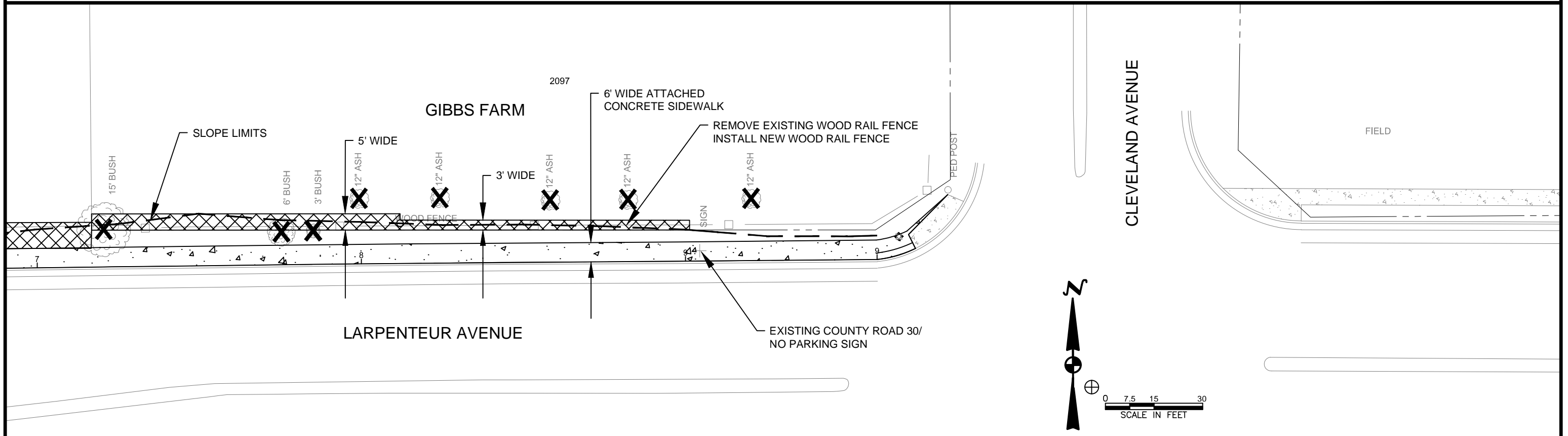
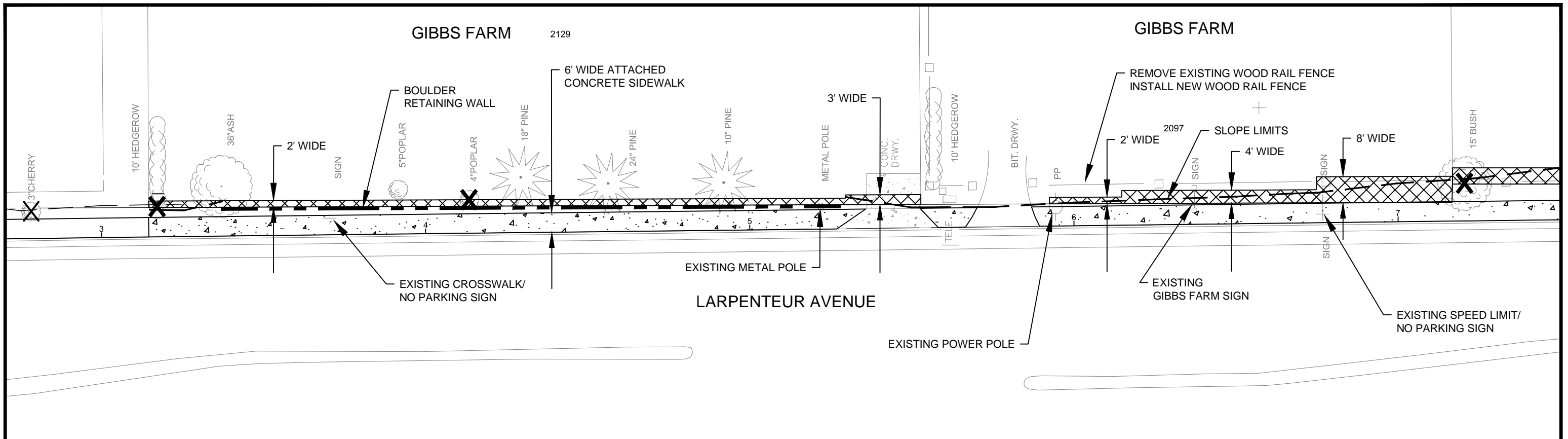
City Administrator

**RAMSEY COUNTY
HISTORICAL SOCIETY**

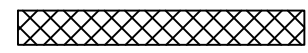
Dated: _____, 2012.

Its

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CITY OF FALCON HEIGHTS
 GIBBS FARM EASEMENT AQUISITION
 OPTION 4

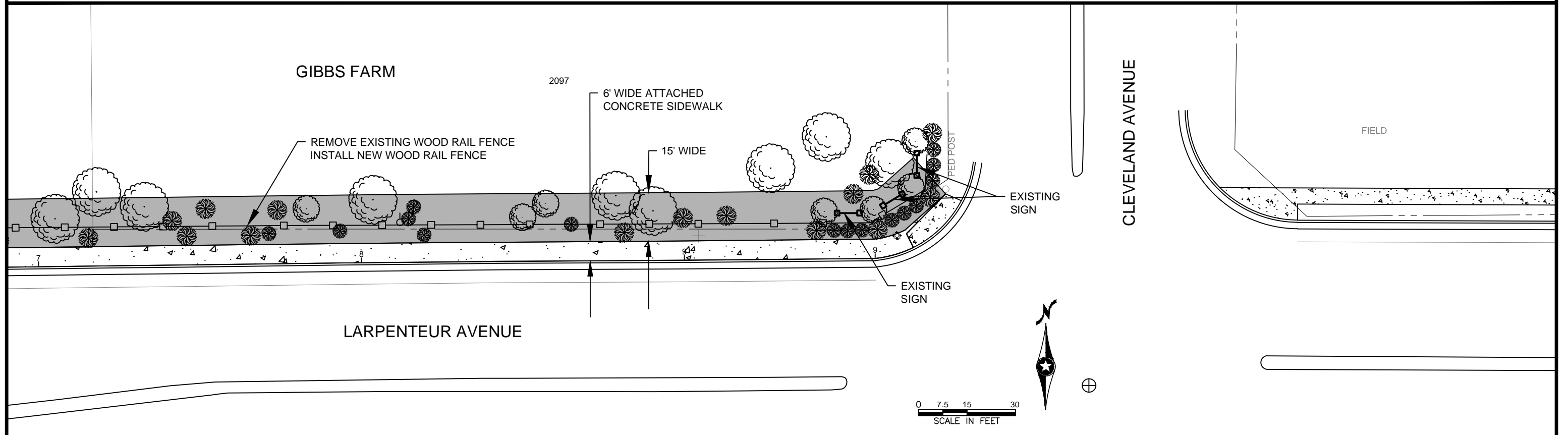
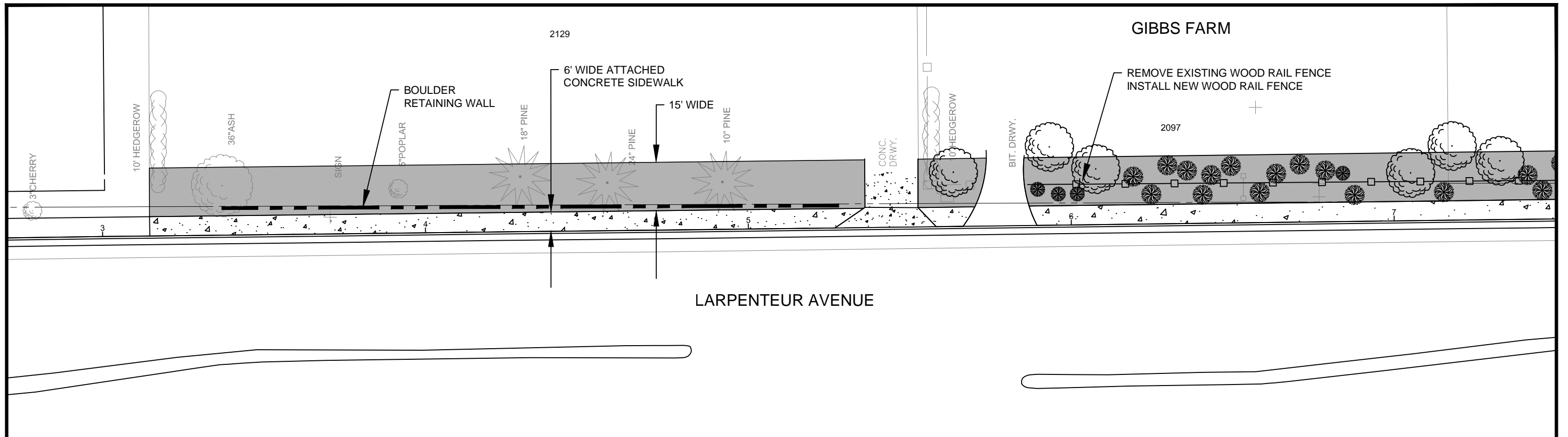


TEMPORARY EASEMENT (1866 SF)








REMOVE TREE OR SHRUB





CITY OF FALCON HEIGHTS
GIBBS FARM PLANTING PLAN

-  PROPOSED TREE (T)
-  PROPOSED TREE (M)
-  PROPOSED SHRUB (M)
-  PROPOSED SHRUB (S)

 NATIVE SEEDING AND PLUGS



Trees and Shrubs:

1. Container grown trees and shrubs will be planted in designated areas of the project.
2. The trees and shrubs will be mulched individually with shredded bark mulch and watered at the time of planting.
3. Recommended sizes are given for each species. Some adjustments in the sizing may be recommended at the time of planting based on current availability.
4. Recommended quantities are given for each species. Some substitutions from within this plant list may be recommended at the time of planting based on current availability.
5. Height ranges are given for reference, and they refer to the maximum mature height of each species. Tall (T) > 12 ft, Medium (M) < 12ft and > 4 ft, and Short (S) <4 ft.

Tree	Species	Size	Hgt	Qty
Alleghany serviceberry	Amelanchier laevis	15 gal	T	3
Hackberry	Celtis occidentalis	15 gal	T	3
Iron wood	ostrya virginiana	15 gal	T	3
Pagoda dogwood	cornus alternifolia	10 gal	T	2
Quaking aspen	populus tremuloides	10 gal	T	5
American plum	prunus americana	5 gal	M	7
Total				23

Shurb	Species	Size	Hgt	Qty
Downy arrow-wood	viburnum rafinesquianum	5 gal	M	5
Highbush cranberry	viburnum trilobum	2 to 3 gal	M	4
Black chokeberry	aronia melancarpa	2 to 3 gal	M	6
Gray dogwood	cornus racemosa	2 to 3 gal	M	8
Slaghom sumac	rhus typhine	2 to 3 gal	M	4
Bush honeysuckle	diervilla lonicera	1 gal	S	3
Prairie rose	roasa arkansana	1 gal	S	8
Meadow rose	rosa blanda	1 gal	S	8
Total				46

Seed and Seeding:

1. Seeding dates shall be in the spring or summer before August 10th or in the fall between September 20th and freeze-up.
2. Once the soil has been prepared, the grass seed will be hand broadcast throughout the project area.
3. A raking will follow to incorporate the seed into the soil.
4. The seed mixes shall consist of the following species and amounts:

Grasses	Species	Lbs/ project area
Kalm's brome	bromus kalmii	0.5
Side oats grama	bouteloua curtipendula	0.5
Blue grama	bouteloua gracilis	0.25
Bottlebrush grass	elymus hystrix	0.15
Silky wild rye	elymus villosus	0.15
Little bluestem	schizachyrium scoparium	0.5
		2.05
White prairie clover	petalostemum candidum	0.25
Purple prairie clover	petalostemum purpureum	0.75
Black-eyed Susan	rudbeckia hirta	0.5
Hoary vervain	verbena stricta	0.25
Golden alexander	zizia aurea	0.25
Total		2

Plants and Planting:

1. Plants will be installed in single species clusters of 3-9 plants. At least 12 species from the following lists should be used.
2. 60% of the overall quantity of plants will be grasses or sedges, and 40% will be wildflowers.
3. Plant spacing will be approximately 24" on center.
4. A combination of 300 4" pots and 600 plugs will be planted.

Full/Part Sun Wildflowers

	Species
Prairie onion	Allium stellatum
Thimbleweed	anemone cylindrica
Pussy toes	antennaria neglecta
Butterfly weed	asclepias tuberosa
Azure aster	aster oolentagiensis
Northern bedstraw	galium boreale
Wild geranium	geranium maculatum
Prairie smoke	geum triflorum
Alum-root	heuchera richardsonii
Rough blazing star	liatris aspera
Showy penstemon	penstemon grandifloris
Purple prairie clover	petalostemum purpureum
Prairie phlox	phlox pilosa
Prairie rose	rosa arkansana
Black-eyed Susan	rudbeckia hirta
Prairie violet	viola pedatifida
Heart-leaved Alexander	zizia aptera

Full/Part Sun Grasses and Sedges

Big bluestem	andropogon gerardii
Side oats grama	bouteloua curtipendula
June grass	koeleria macrantha
Little bluestem	schizachyrium scoparium
Prairie dropseed	sporobolus heterolepis

Shade Wildflowers

Columbine	aquilegia canadensis
American spikenard	aralia racemosa
Jack-in-the-pulpit	arisaema triphyllum
Wild ginger	Asarum canadense
Spring beauty	claytonia virginica
Wild geranium	geranium maculatum
False lily of the valley	maianthemum canadense
Woodland phlox	phlox divaricata
Solomon's seals	polygonatum biflorum
Wood blue-eyed grass	sisyrinchium montanum
Star flowered solomon's seal	smilacina stellata
False solomon's seal	smilacina racemosa
Early meadow rue	thalictrum dioicum
Yellow violet	viola puegensis

Shade Grasses and Sedges

Pennsylvania sedge	carex pensylvanica
Wood sedge	carex rosea
Sprengel's sedge	carex sprengelii
Bottlebrush grass	elymus hystrix

GRANT OF TEMPORARY CONSTRUCTION EASEMENT

_____, a _____ Corporation, "Grantors", in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby grant unto the CITY OF FALCON HEIGHTS, a body corporate and politic under the laws of Minnesota, the Grantee, hereinafter referred to as the "City", its successors and assigns, a temporary construction easement over, across, on, under, and through the land situated in the CITY OF FALCON HEIGHTS, State of Minnesota, as legally described on the attached Exhibit A.

TO HAVE AND TO HOLD the same, unto the City, its contractors, agents, servants and assigns, commencing on **June 15, 2012** and expiring **November 13, 2013** together with the right of ingress to and egress from the temporary easement premises, for the purpose of constructing, reconstructing, inspecting, repairing, and maintaining a sidewalk, retaining wall and landscaping, at the will of the City, its successors and assigns. Grantors hereby grant the uses herein specified, without divesting themselves of the right to use and enjoy the above described temporary easement premises, subject only to the right of the City to use the same for the purposes herein expressed. The City, its agents and assigns, will restore the described property to the condition that existed prior to construction.

The above named Grantors, for themselves, their heirs and assigns, do covenant with the City, its successors and assigns, that they are well seized in fee title of the above described easement premises; that they have the sole right to grant and convey the easements to the City;

that there are no unrecorded interests in the easement premises; and that they will indemnify and hold the City harmless for any breach of the foregoing covenants.

The City agrees that it will not record this document in the real estate records of Ramsey County without the prior written consent of Grantors.

IN TESTIMONY WHEREOF, the Grantors hereto have signed this document this ____ day of _____, 2012

GRANTOR:

By: _____ By: _____

Its: _____ Its: _____

STATE OF _____)
) ss.
CITY OF _____)

This instrument was acknowledged before me on ____ day of _____, 2012 by _____ and _____, the _____ and _____ of _____, a _____ Corporation, on behalf of the corporation.

NOTARY PUBLIC

THIS INSTRUMENT WAS DRAFTED BY:
City of Falcon Heights
2770 Larpenteur Avenue
Falcon Heights, Mn 55113
651-792-7042

EXHIBIT A

TEMPORARY CONSTRUCTION EASEMENT

The south 15 feet of the following described property:

Parcel A

The West 140 feet of the East 606.69 feet of the South 350.56 feet of the Southeast Quarter of Section 17, Township 29, Range 23, and the West 104 feet of the East 710.69 feet of the South 266 feet and the North 5 feet of the South 355.56 feet of the West 140 feet of the East 606.69 feet of the Southeast Quarter of Section 17, Township 29, Range 23; Except land taken for road as shown in Final Certificate filed September 14, 1978, as document No. 2016519

Parcel B

All that part of the Southeast Quarter of the Southeast Quarter of Section 17, Township 29 N, Range 23 W, lying within and bounded by the following described lines, to-wit: On the East by the East line of said Section 17; on the South by the South line of said Section 17; on the West by a line drawn parallel to and distant 466.69 feet West of the East line of said Section 17; and on the North by a line drawn parallel to and distant 561.5 feet South of the North line of the Southeast Quarter of the Southeast Quarter of said Section 17.



The City That Soars!

REQUEST FOR COUNCIL ACTION

Meeting Date	March 28, 2012
Agenda Item	Consent F4
Attachment	Resolution 12-05
Submitted By	Bart Fischer, City Administrator

Item	Beyond the Yellow Ribbon
Description	Recently, a number of the suburban communities in Ramsey County have passed resolutions of support for the efforts of a County-wide group that is taking the steps and making the effort to become a Beyond the Yellow Ribbon Community. The Beyond the Yellow Ribbon program has been formed to assist local military family members and military residents with a community network of support including access to information and services to assist them during the deployment cycle. The suburban Ramsey County Beyond the Yellow Ribbon group has asked that Falcon Heights also pass a resolution of support.
Budget Impact	None
Attachment(s)	Resolution 12-05
Action(s) Requested	Staff recommends that the Falcon Heights City Council approve the attached Resolution Supporting the Efforts of the suburban Ramsey County-wide group in Becoming a Beyond the Yellow Ribbon Community Resolution 12-05.

**CITY OF FALCON HEIGHTS
COUNCIL RESOLUTION**

March 28, 2012

No. 12-05

A RESOLUTION SUPPORTING THE EFFORTS OF BECOMING A BEYOND THE YELLOW
RIBBON COMMUNITY
CITY OF FALCON HEIGHTS

WHEREAS, Many families support their military service members who are serving in the United States and overseas to protect the values and freedom enjoyed by the citizens of the United States of America, and;

WHEREAS, a Beyond the Yellow Ribbon Community Group has been formed in an effort to assist connecting local military family members with a community network of support that is understood and trusted by military families, where military residents and their families are recognized and can access information and services to assist them during the deployment cycle and is sustainable for future military families as deployment becomes necessary, and;

WHEREAS, this Beyond the Yellow Ribbon Community Group will build on the existing strength of our community and organizations by continuing to support awareness and addressing the needs of spouses and children throughout the deployment, deployment-reintegration process and through extended periods after homecoming in ways to lessen their burden while a family member is deployed or is impacted by their service to community and country, and;

WHEREAS, We believe the effects of deployment do not end when the soldier returns home and the family is reunited; this process takes months for some families and years for others; We believe the ultimate vision of the community is to offer support to military families and honor them in our midst, and;

WHEREAS, the City Council of the City of Falcon Heights and the Beyond the Yellow Ribbon Community Group encourage key groups of the community service members and their families to be proactive and work in harmony to develop a program which empowers community synchronization of effort and build an enduring and sustainable network of support.

NOW THEREFORE BE IT RESOLVED, on behalf of our residents, the City Council of Falcon Heights is proud to recognize, appreciate and say Thank You to our military members and their families for their service sacrifices and in all they do.

AND, BE IT FURTHER RESOLVED, that the residents and the City Council of the City of Falcon Heights do fully support the efforts of the Beyond the Yellow Ribbon Community Group to

support our military members and their families while defending the democratic values of the United States of America.

Moved by:

Approved by: _____
Peter Lindstrom, Mayor
March 28, 2012

LINDSTROM _____ In Favor
GOSLINE
HARRIS _____ Against
LONG
MERCER-TAYLOR

Attested by: _____
Bart Fischer
City Administrator
March 28, 2012



The City That Soars!

REQUEST FOR COUNCIL ACTION

Meeting Date	March 28, 2012
Agenda Item	Policy G1
Attachment	Draft Ordinance 12-02 Coal Based Publication
Submitted By	Deborah Jones, Staff Liaison to the Environment Commission & Bart Fischer, City Administrator

Item	Coal Tar Sealant Ordinance-Tabled from 3/14/12 City Council Meeting
Description	<p>The Falcon Heights Environment Commission recommends adoption of an ordinance regulating products for the sealing of driveways within the City of Falcon Heights, in order to protect, restore, and preserve the quality of its water.</p> <p>The United States Geological Service has recognized coal tar based pavement sealants as a significant source of polycyclic aromatic hydrocarbon (PAH) contamination in urban areas. According to the U.S. Environmental Protection Agency (2009), PAHs are of environmental concern because several are toxic, carcinogenic, mutagenic, and/or teratogenic (causing birth defects) to aquatic life, and seven are probable human carcinogens. PAHs are introduced into the environment when sealant is worn off paved surfaces by rain, friction from tires, foot traffic - anything that causes wear to the surface.</p> <p>Although coal-tar based sealants are no longer widely found in stores, they are still available, often marketed door-to-door by driveway contractors, according to the City of Roseville's staff report, May, 2011.</p> <p>Asphalt-based sealants are derived from petroleum and are not known to pose the risk of PAH contamination.</p> <p>At the 3/14/12 City Council Meeting, Council elected to table this Ordinance in an effort to gain a better understanding of the economic effects this Ordinance change might have on the residents of Falcon Heights. Staff research indicated a number of variables between the costs associated with coal tar and asphalt based sealants depending on the quality of the sealant, the size of the driveway, etc. It is staff's opinion that the price difference between the two sealants is not significant. In addition, one of the largest commercial driveway sealers in the nation, Eagan based Jet Black, has announced they will no longer be carrying coal tar based sealants.</p> <p>The draft presented here is based on a model ordinance from the League of Minnesota Cities. Other local communities, including White Bear Lake, Maplewood and Roseville, have adopted similar ordinances. This ordinance is consistent with the objectives of the City of Falcon Heights Water Resource Management Plan.</p>
Budget Impact	None

Attachment(s)	<ul style="list-style-type: none">• Draft Ordinance 12-02 regulating products for the sealing of driveway.• "Coal-Tar-Based Pavement Sealcoat, Polycyclic Aromatic Hydrocarbons (PAHs), and Environmental Health," a publication of the U.S. Geological Survey
Action(s) Requested	Staff recommends that the Falcon Heights City Council approve Ordinance 12-02.

ORDINANCE NO. 12-02

CITY OF FALCON HEIGHTS
RAMSEY COUNTY, MINNESOTA

**AN ORDINANCE AMENDING THE FALCON HEIGHTS CITY CODE
REGULATING THE USE OF COAL TAR-BASED SEALER PRODUCTS**

THE CITY COUNCIL OF THE CITY OF FALCON HEIGHTS ORDAINS:

Section 1. Chapter 22 of the Falcon Heights City Code is amended by adding Article IV to read:

Article IV - REGULATION OF COAL TAR-BASED SEALER PRODUCTS

22-55 PURPOSE. The City of Falcon Heights understands that lakes, rivers, streams and other bodies of water are natural assets which enhance the environmental, recreational, cultural and economic resources and contribute to the general health and welfare of the community. The use of sealers on asphalt driveways is a common practice. However, scientific studies on the use of driveway sealers have demonstrated a relationship between stormwater runoff and certain health and environmental concerns. The purpose of this code section is to regulate the use of sealer products within the City of Falcon Heights, in order to protect, restore, and preserve the quality of its waters.

22-56 DEFINITIONS. For the purpose of this code section, the following definitions shall apply unless the context clearly indicates or requires a different meaning:

ASPHALT-BASED SEALER. A petroleum-based sealer material that is commonly used on driveways, parking lots, and other surfaces and which does not contain coal tar.

COAL TAR. A byproduct of the process used to refine coal.

COAL TAR-BASED SEALER. A sealer material containing coal tar and is for use on an asphalt or concrete surface, including a driveway or parking area.

MPCA. The Minnesota Pollution Control Agency.

PAHs. Polycyclic Aromatic Hydrocarbons. A group of organic chemicals formed during the incomplete burning of coal, oil, gas, or other organic substances. Present in coal tar and believed harmful to humans, fish, and other aquatic life.

UNDILUTED COAL TAR-BASED SEALER. A sealer material containing coal tar that has not been mixed with asphalt and which is commonly used on driveways, parking lots and other surfaces.

22-57 USE OF COAL TAR-BASED SEALER PROHIBITED.

- A. No person shall apply any coal tar-based sealer to any driveway, parking lot, or other surface within the City.
- B. No person shall contract with any commercial sealer product applicator, residential or commercial developer, or any other person for the application of any coal tar-based sealer to any driveway, parking lot, or other surface within the City.
- C. No commercial sealer product applicator, residential or commercial developer, or other similar individual or organization shall direct any employee, independent contractor, volunteer, or other person to apply any coal tar-based sealer to any driveway, parking lot, or other surface within the City. A person who owns property on which a coal tar-based sealer is used is presumed to have used a coal tar-based sealer in violation of this section.

22-58 ASPHALT-BASED SEALCOAT PRODUCTS. The provisions of this code section shall only apply to use of coal tar-based sealer in the City and shall not affect the use of asphalt-based sealer products within the City.

22-59 EXEMPTION. Upon the express written approval from both the City and the MPCA, a person conducting bona fide research on the effects of undiluted coal tar-based sealer products or PAHs on the environment shall be exempt from the prohibitions provided in Section 3.

Section 2. This ordinance is effective immediately upon its passage and publication.

ADOPTED this _____ day of _____, 2012, by the City Council of Falcon Heights, Minnesota.

CITY OF FALCON HEIGHTS

BY: _____
Peter Lindstrom, Mayor

ATTEST:

Bart Fischer, City Administrator/Clerk

Coal-Tar-Based Pavement Sealcoat, Polycyclic Aromatic Hydrocarbons (PAHs), and Environmental Health

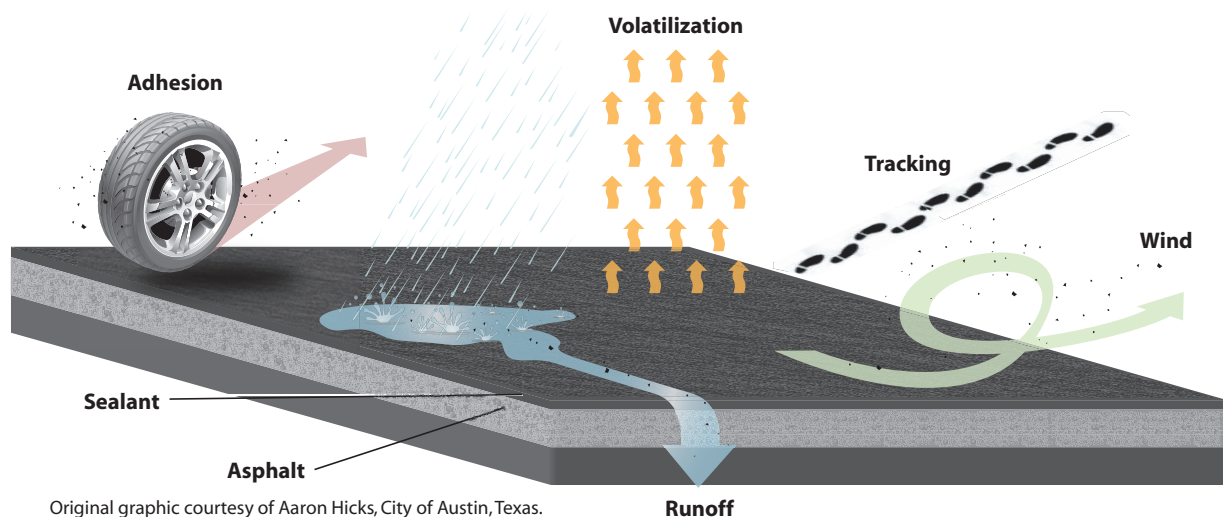
Studies by the U.S. Geological Survey (USGS) have identified coal-tar-based sealcoat—the black, viscous liquid sprayed or painted on asphalt pavement such as parking lots—as a major source of polycyclic aromatic hydrocarbon (PAH) contamination in urban areas for large parts of the Nation. Several PAHs are suspected human carcinogens and are toxic to aquatic life.



Sealcoat is the black, viscous liquid sprayed or painted on the asphalt pavement of many parking lots, driveways, and playgrounds.

Key Findings

- Dust from pavement with coal-tar-based sealcoat has greatly elevated PAH concentrations compared to dust from unsealed pavement.
- Coal-tar-based sealcoat is the largest source of PAH contamination to 40 urban lakes studied, accounting for one-half of all PAH inputs.
- Coal-tar-based sealcoat use is the primary cause of upward trends in PAHs, since the 1960s, in urban lake sediment.
- Residences adjacent to parking lots with coal-tar-based sealcoat have PAH concentrations in house dust that are 25 times higher than those in house dust in residences adjacent to parking lots without coal-tar-based sealcoat.
- PAHs move from a sealcoated surface into our environment by many mechanisms: storm runoff, adhesion to tires, wind, foot traffic, and volatilization.



Original graphic courtesy of Aaron Hicks, City of Austin, Texas.

What are Sealcoat, PAHs, and Coal Tar?

Pavement sealcoat (also called sealant) is a black liquid that is sprayed or painted on some asphalt pavement. It is marketed as protecting and beautifying the underlying pavement, and is used commercially and by homeowners across the Nation. It is applied to parking lots associated with commercial businesses, apartment and condominium complexes, churches, schools, and business parks, to residential driveways, and even to some playgrounds. Most sealcoat products have a coal-tar-pitch or asphalt (oil) base. Coal-tar-based sealcoat is commonly used in the central, southern, and eastern United States, and asphalt-based sealcoat is commonly used in the western United States.

PAHs are a group of chemical compounds that form whenever anything with a carbon base is burned, from wood and gasoline to cigarettes and meat. PAHs also are in objects and materials, such as automobile tires and coal tar, the production of which involves the heating of carbon-based materials. PAHs are of environmental concern because several are toxic, carcinogenic, mutagenic, and/or teratogenic (causing birth defects) to aquatic life, and seven are probable human carcinogens (U.S. Environmental Protection Agency, 2009).

Coal tar is a byproduct of the coking of coal for the steel industry and coal-tar pitch is the residue remaining after the distillation of coal tar. Coal-tar pitch is 50 percent or more PAHs by weight and is known to cause cancer in humans (International Agency for Research on Cancer, 1980). Coal-tar-based sealcoat products typically are 20 to 35 percent coal-tar pitch. Product analyses indicate that coal-tar-based sealcoat products contain about 1,000 times more PAHs than sealcoat products with an asphalt base (City of Austin, 2005).

How does Sealcoat get from Driveways and Parking Lots into Streams and Lakes, Homes, and the Air?

Friction from vehicle tires abrades pavement sealcoat into small particles. These particles are washed off pavement by rain and carried down storm drains and into streams. Other sealcoat particles adhere to vehicle tires and are transported to other surfaces, blown offsite by wind, or tracked indoors on the soles of shoes. Some of the PAHs in sealcoat volatilize (evaporate), which is why sealed parking lots and driveways frequently give off a “mothball” smell. Sealcoat wear is visible in high traffic areas within a few months after application, and sealcoat manufacturers recommend reapplication every 2 to 4 years.



Runoff from sealcoated pavement (black surface) enters storm drains that lead to local streams. Drain grate (inset) is marked “DUMP NO WASTE” and “DRAINS TO WATERWAYS.”

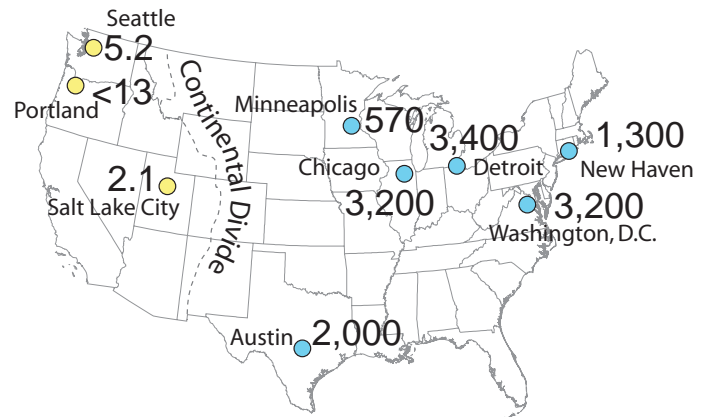


Gray asphalt pavement shows through where sealcoat has worn off the driveway of an apartment complex.

The East-West Divide

Regional Product Use Translates to Large Differences in PAH Concentrations

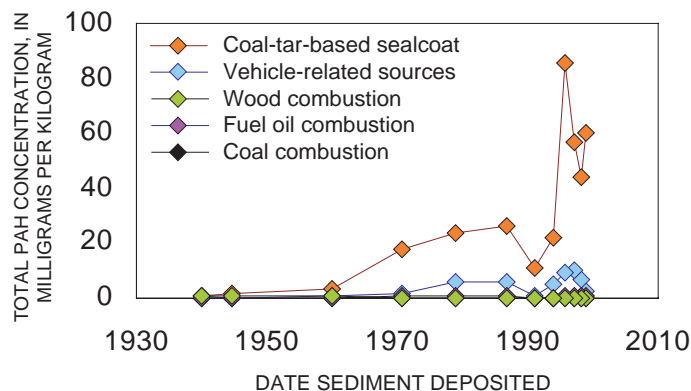
Does product type really matter? PAH concentrations in the coal-tar-based sealcoat product are about 1,000 times higher than in the asphalt-based product (more than 50,000 milligrams per kilogram [mg/kg] in coal-tar-based products and 50 mg/kg in asphalt-based products [City of Austin, 2005]). Anecdotal reports, such as Web sites, blogs, and comments by industry representatives, indicate that the coal-tar-based product is used predominantly east of the Continental Divide and the asphalt-based product is used predominantly west of the Continental Divide. During 2007–08, the USGS swept dust from sealcoated and unsealcoated parking lots in nine cities across the United States and analyzed the dust for PAHs. For six cities in the central and eastern United States, the median PAH concentration in dust from sealcoated parking lots was 2,200 mg/kg, about 1,000 times higher than in dust from sealcoated parking lots in the western United States, where the median concentration was 2.1 mg/kg. Although both product types are available nationally, these results confirm the regional difference in use patterns (Van Metre and others, 2009).



Concentrations of PAHs in dust swept from sealed parking lots in central and eastern U.S. cities, where coal-tar-based-sealcoat use dominates, were about 1,000 times higher than in western U.S. cities, where asphalt-based-sealcoat use dominates. Concentrations shown on the map are the sum of 12 PAHs, in milligrams per kilogram (Van Metre and others, 2009).



“Fingerprinting” Shows that Coal-Tar Sealant is the Largest Source of PAHs to Urban Lakes



Coal-tar-based sealcoat (orange symbol) is the largest contributor to increasing concentrations of PAHs in Lake Killarney, Orlando, Florida, as determined by chemical fingerprinting. Similar patterns were seen in lakes across the central and eastern United States (Van Metre and Mahler, 2010).

PAHs are increasing in urban lakes across the United States. To better understand why this might be happening, USGS scientists collected sediment cores from 40 lakes in cities from Anchorage, Alaska, to Orlando, Florida, analyzed the cores for PAHs, and determined the contribution of PAHs from many different sources by using a chemical mass-balance model. The model is based on differences in the chemical “fingerprint” of PAHs from each source. Coal-tar-based sealcoat accounted for one-half of all PAHs in the lakes, on average, while vehicle-related sources accounted for about one-fourth. Lakes with a large contribution of PAHs from sealcoat tended to have high PAH concentrations; in many cases, at levels that can be harmful to aquatic life. Analysis of historical trends in PAH sources to 8 of the 40 lakes indicates that sealcoat use is the primary cause of increases in PAH concentrations since the 1960s. Identifying where PAHs are coming from is essential for developing environmental management strategies (Van Metre and Mahler, 2010).

From Outside to Inside

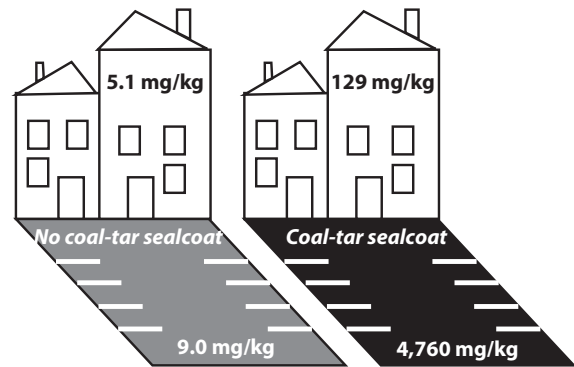
Coal-Tar Pavement Sealant Linked to PAHs in House Dust

House dust is an important source for human exposure to many contaminants, including PAHs. This is particularly true for small children, who spend time on the floor and put their hands and objects into their mouths. In 2008, the USGS measured PAHs in house dust from 23 ground-floor apartments and in dust from the apartment parking lots. Apartments with parking lots with coal-tar-based sealcoat had PAH concentrations in house dust that were 25 times higher, on average, than concentrations in house dust from apartments with parking lots with other surface types (concrete, unsealed asphalt, and asphalt-based sealcoat). PAH concentrations in the dust from the parking lots with coal-tar-based sealcoat were 530 times higher, on average, than concentrations on the parking lots with other surface types.



Photograph obtained from Jupiter Images.

What about other sources of PAHs? Although tobacco smoking, candle and incense burning, and barbecue and fireplace use have been suggested to affect PAH concentrations in house dust, this study found no relation between any of these, or the many other factors considered, and PAH concentrations in the house dust. The presence or absence of coal-tar-based sealcoat on the apartment complex parking lot was strongly correlated with PAH concentrations in house dust; the only other variable that was related to PAH concentrations in house dust was urban land-use intensity (the percentage of land near the apartment dedicated to multifamily residential, commercial, office, warehouse, or streets) (Mahler and others, 2010).



Apartments with coal-tar-based sealcoat on the parking lot had much higher concentrations of PAHs, both in indoor dust and in parking lot dust, than apartments with an unsealed asphalt or concrete parking lot or with a parking lot with asphalt-based sealcoat. Concentrations shown are for the sum of the 16 U.S. Environmental Protection Agency priority pollutant PAHs (Mahler and others, 2010), in milligrams per kilogram (mg/kg).

There are no U.S. health-based guidelines for chronic exposure to PAHs in house dust. The only existing guideline is for a single PAH—benzo[*a*]pyrene—issued by the German Federal Environment Agency Indoor Air Hygiene Commission (Hansen and Volland, 1998). The guideline advises minimizing exposure to concentrations of benzo[*a*]pyrene greater than 10 mg/kg in dust to avoid adverse health effects. That guideline was exceeded for 4 of the 11 apartments with coal-tar-sealcoated parking lots and for 1 of the 12 apartments with a parking lot with a different surface type. Also of concern is exposure to the sealcoated pavement surfaces themselves through play activities. Dust on some of the sealcoated parking lots had a concentration of benzo[*a*]pyrene that was more than 50 times higher than the German guideline.



Photograph courtesy of CLEARCorps, Durham, North Carolina.

Our Environment and Us

What are the Concerns?

Some PAHs are toxic to mammals (including humans), birds, fish, amphibians (such as frogs and salamanders), and plants. The aquatic invertebrates—insects and other small creatures that live in streams and lakes—are particularly susceptible to PAH contamination, especially those that live in the mud where PAHs tend to accumulate. These invertebrates are an important part of the food chain and are often monitored as indicators of stream quality (analogous to the “canary in the coal mine” concept). Possible adverse effects of PAHs on aquatic invertebrates include inhibited reproduction, delayed emergence, sediment avoidance, and mortality. Possible adverse effects on fish include fin erosion, liver abnormalities, cataracts, and immune system impairments. The Probable Effect Concentration (PEC) of 22.8 mg/kg of total PAHs (MacDonald and others, 2000)—a widely used sediment quality guideline that is the concentration in bed sediment expected to have harmful effects on bottom-dwelling biota—is exceeded in one-third of the central and eastern U.S. urban lakes where PAH sources were studied.



When turned over, red spotted newts that had been exposed to sediment contaminated with coal-tar-based sealcoat had difficulty righting themselves (Bommarito and others, 2010b). Poor reflexes could result in decreased survival. Photograph by Megan Gibbons, Birmingham-Southern College.

Scientific studies have shown a relation between coal-tar-based pavement sealcoat and harmful effects on aquatic life.

- Aquatic communities downstream from storm-water runoff from sealcoated parking lots were impaired (Scoggins and others, 2007).
- Salamanders and newts exposed to sediment contaminated with coal-tar-based sealcoat had stunted growth, difficulty swimming or righting themselves, and liver problems (Bommarito and others, 2010a, b).
- Frogs exposed to sediment contaminated with coal-tar-based sealcoat died, had stunted growth, or developed more slowly than usual (Bryer and others, 2006).



Tumors in brown bullhead catfish from the Anacostia River, Washington, D.C., are believed to be related to elevated PAH concentrations (Pinkney and others, 2009). Photograph by A.E. Pinkney.

Human health risk from environmental contaminants usually is evaluated in terms of exposure pathways. For example, people could potentially be exposed to PAHs in sealcoat through ingestion of abraded particles from driveways, parking lots, or play grounds, or through skin contact with the abraded particles, either directly or by touching toys or other objects that have been in contact with the pavement. Inhalation of wind-blown particles and of fumes that volatilize from sealed parking lots are other possible pathways. PAHs in streams and lakes rarely pose a human health risk from contact recreation or drinking water because of their tendency to attach to sediment rather than to dissolve in water.



Skin contact is one way humans can be exposed to PAHs. Parking lots and driveways with coal-tar-based sealcoat have concentrations of PAHs hundreds to thousands of times higher than those with asphalt-based sealcoat or no sealcoat. Photograph obtained from Corbis Images, Inc.

FAQ

Q) *What is coal tar?*

A) Coal tar is a thick, black or brown liquid that is a byproduct of the carbonization of coal for the steel industry or the gasification of coal to make coal gas.

Q) *What is the difference between crude coal tar, coal-tar pitch, and “refined” coal tar?*

A) Coal-tar pitch is the residue that remains after various light oils are distilled from crude coal tar for commercial use. The coal-tar pitch is then separated (refined) into 12 different viscosities, RT-1 (the most fluid) through RT-12 (the most viscous). RT-12 is the viscosity used in coal-tar-based pavement sealcoat.

Q) *How can I tell if a product contains coal tar?*

A) To determine if the product has a coal-tar base, look for the Chemical Abstracts Service (CAS) number 65996-93-2 on the product Material Safety Data Sheet (MSDS). The words “coal tar,” “refined coal tar,” “refined tar,” “refined coal-tar pitch,” or other similar terms may be listed on the MSDS or on the product container.

Q) *Is sealcoat used on roads?*

A) Use on roads is extremely rare. Occasionally a private property, such as a housing development, will choose to have the roads sealcoated.

Q) *Is use of coal-tar-based sealant regulated?*

A) Several jurisdictions, including the City of Austin, Texas, the City of Washington, D.C., Dane County, Wisconsin, and several suburbs of Minneapolis, Minnesota, have banned use of coal-tar-based sealcoat. Similar bans are under consideration in other jurisdictions.

For more information on USGS research on PAHs and coal-tar-based sealcoat go to <http://tx.usgs.gov/coring/allthingssealcoat.html>.

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—B.J. Mahler and P.C. Van Metre