

CITY OF ST. AUGUSTA
SPECIAL CITY COUNCIL MEETING/WORKSHOP
MEETING
July 18, 2016
6:00 pm/6:30PM
AGENDA

1. Call Meeting to Order – Mayor Kroll.
2. 2016 Street Project Bids
3. Adjourn to Workshop Meeting
4. Adjourn

REMINDERS: Candidate Filing Period Opens, Tuesday, August 2 – Tuesday, August 16
National Night Out, Tuesday, August 2, 4pm – 8pm, St. Augusta Fire Hall
Regular City Council Meeting, Tuesday, August 2, 2016 7pm Fire Hall
Primary Election Day, Tuesday, August 9, polls open from 7am – 8pm
Public Informational Meeting, Tuesday, August 16, City Hall 7pm
Regular City Council Meeting, Tuesday, September 6, 7pm



Building a Better World
for All of Us®

July 14, 2016

RE: City of St. Augusta, Minnesota
2016 Street Improvements
SEH No. STAUG 137786 14.00

Honorable Mayor and City Council
c/o Bill McCabe, City Administrator
City of St. Augusta
1914 250th Street
St. Augusta, MN 56301

Dear Mr. McCabe:

Bids were opened in City Hall at 10:00 a.m. on July 14, 2016, for the above-referenced improvement. The low bid was submitted by Hardrives, Inc. of Rogers, Minnesota in the amount of \$289,098.46. A complete tabulation of bids is enclosed.

Galaxy Road	\$122,278.47
<u>200th Street</u>	<u>\$166,819.99</u>
Total	\$289,098.46

We know of no reason the project should not be awarded to the low bidder for the amount of \$289,098.46.

Please contact me if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "J. Halter", with a long horizontal stroke extending to the right.

Jon Halter, PE
City Engineer

mrb

Enclosure

p:\pts\staug\137786\1-gen\14-corr\ city recommendation 071416.docx

Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 1200 25th Avenue South, P.O. Box 1717, St. Cloud, MN 56302-1717
SEH is 100% employee-owned | sehinc.com | 320.229.4300 | 800.572.0617 | 888.908.8166 fax



TABULATION OF BIDS

PROJECT NO.: **STAUG 137786**
 NAME: **2016 STREET IMPROVEMENTS**
 OWNER: **CITY OF ST. AUGUSTA, MINNESOTA**
 BID DATE: **10:00 AM, THURSDAY, JULY 14, 2016**

ITEM	QUANTITY	UNIT	DESCRIPTION	ENGINEER'S ESTIMATE		1 HARDRIVES, INC.		2 KNIFE RIVER		3 MID-MINNESOTA HOT MIX	
				UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
GALAXY ROAD											
1	1.00	LUMP SUM	MOBILIZATION	\$3,000.00	\$3,000.00	\$6,128.70	\$6,128.70	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00
2	1.00	LUMP SUM	TRAFFIC CONTROL	\$2,500.00	\$2,500.00	\$1,572.70	\$1,572.70	\$1,000.00	\$1,000.00	\$1,100.00	\$1,100.00
3	276.00	SQ YD	REMOVE BITUMINOUS PAVEMENT	\$3.00	\$828.00	\$4.41	\$1,217.16	\$4.00	\$1,104.00	\$7.00	\$1,932.00
4	398.00	LIN FT	SAWING BITUMINOUS PAVEMENT	\$4.00	\$1,592.00	\$3.93	\$1,564.14	\$3.50	\$1,393.00	\$3.00	\$1,194.00
5	5,773.00	SQ YD	RECLAIM BITUMINOUS PAVEMENT	\$1.40	\$8,082.20	\$2.10	\$12,123.30	\$3.00	\$17,319.00	\$3.80	\$21,937.40
6	548.00	TON	TYPE SP 9.5WEARING COURSE MIXTURE	\$62.00	\$33,976.00	\$56.08	\$30,731.84	\$61.00	\$33,428.00	\$81.80	\$44,826.40
7	730.00	TON	TYPE SP 12.5 NON WEARING COURSE MIXTURE	\$60.00	\$43,800.00	\$46.46	\$33,915.80	\$52.00	\$37,960.00	\$68.20	\$49,786.00
8	290.00	GAL	BITUMINOUS MATERIAL FOR TACK COAT	\$3.00	\$870.00	\$1.99	\$577.10	\$2.00	\$580.00	\$2.00	\$580.00
9	630.00	SQ YD	FULL DEPTH STREET RESTORATION	\$30.00	\$18,900.00	\$10.84	\$6,829.20	\$3.50	\$2,205.00	\$16.80	\$10,584.00
10	4,723.00	LIN FT	AGGREGATE SHOULDERING	\$0.50	\$2,361.50	\$0.43	\$2,030.89	\$0.50	\$2,361.50	\$1.80	\$8,501.40
11	276.00	SQ YD	BITUMINOUS DRIVEWAY RESTORATION	\$20.00	\$5,520.00	\$22.33	\$6,163.08	\$20.00	\$5,520.00	\$41.60	\$11,481.60
12	50.00	SQ YD	GRAVEL DRIVEWAY RESTORATION	\$8.00	\$400.00	\$26.93	\$1,346.50	\$15.00	\$750.00	\$23.00	\$1,150.00
13	48.00	LIN FT	18" RC PIPE CULVERT DES	\$38.00	\$1,824.00	\$104.47	\$5,014.56	\$93.00	\$4,464.00	\$55.00	\$2,640.00
14	48.00	LIN FT	24" RC PIPE CULVERT DES	\$40.00	\$1,920.00	\$116.83	\$5,607.84	\$104.00	\$4,992.00	\$85.00	\$4,080.00
15	2.00	EACH	18" RC PIPE APRON	\$500.00	\$1,000.00	\$786.35	\$1,572.70	\$700.00	\$1,400.00	\$1,500.00	\$3,000.00
16	2.00	EACH	24" RC PIPE APRON	\$600.00	\$1,200.00	\$1,011.02	\$2,022.04	\$900.00	\$1,800.00	\$1,800.00	\$3,600.00
17	15.00	CU YD	RIPRAP, CLASS III	\$60.00	\$900.00	\$101.10	\$1,516.50	\$90.00	\$1,350.00	\$60.00	\$900.00
18	80.00	SQ YD	TURF RESTORATION	\$20.00	\$1,600.00	\$14.04	\$1,123.20	\$12.50	\$1,000.00	\$13.50	\$1,080.00
19	2,330.00	LIN FT	4" DOUBLE SOLID YELLOW-PAINT	\$0.25	\$582.50	\$0.25	\$582.50	\$0.25	\$582.50	\$0.24	\$559.20
20	4,724.00	LIN FT	4" SOLID LINE WHITE-PAINT	\$0.20	\$944.80	\$0.12	\$566.88	\$0.15	\$708.60	\$0.12	\$566.88
21	16.00	LIN FT	24" SOLID LINE WHITE-PAINT	\$5.00	\$80.00	\$4.49	\$71.84	\$4.00	\$64.00	\$4.50	\$72.00
SUBTOTAL GALAXY ROAD					\$131,881.00		\$122,278.47		\$125,981.60		\$174,570.88
200TH STREET											
22	1.00	LUMP SUM	MOBILIZATION	\$3,000.00	\$3,000.00	\$3,544.99	\$3,544.99	\$10,000.00	\$10,000.00	\$5,000.00	\$5,000.00
23	1.00	LUMP SUM	TRAFFIC CONTROL	\$2,500.00	\$2,500.00	\$1,572.70	\$1,572.70	\$7,500.00	\$7,500.00	\$1,100.00	\$1,100.00
24	108.00	SQ YD	REMOVE BITUMINOUS PAVEMENT	\$3.00	\$324.00	\$8.50	\$918.00	\$4.00	\$432.00	\$7.00	\$756.00
25	15.00	SQ YD	REMOVE CONCRETE PAVEMENT	\$10.00	\$150.00	\$33.30	\$499.50	\$25.00	\$375.00	\$15.00	\$225.00
26	105.00	LIN FT	SAWING BITUMINOUS PAVEMENT	\$4.00	\$420.00	\$3.93	\$412.65	\$3.50	\$367.50	\$3.00	\$315.00
27	13.00	LIN FT	SAWING CONCRETE PAVEMENT	\$8.00	\$104.00	\$5.62	\$73.06	\$20.00	\$260.00	\$5.00	\$65.00
28	9,751.00	SQ YD	RECLAIM BITUMINOUS PAVEMENT	\$1.40	\$13,651.40	\$2.21	\$21,549.71	\$2.20	\$21,452.20	\$3.80	\$37,053.80
29	925.00	TON	TYPE SP 9.5WEARING COURSE MIXTURE	\$62.00	\$57,350.00	\$56.78	\$52,521.50	\$57.00	\$52,725.00	\$81.80	\$75,665.00
30	1,234.00	TON	TYPE SP 12.5 NON WEARING COURSE MIXTURE	\$60.00	\$74,040.00	\$47.16	\$58,195.44	\$50.00	\$61,700.00	\$68.20	\$84,158.80
31	490.00	GAL	BITUMINOUS MATERIAL FOR TACK COAT	\$3.00	\$1,470.00	\$2.11	\$1,033.90	\$2.00	\$980.00	\$2.00	\$980.00
32	1,000.00	SQ YD	FULL DEPTH STREET RESTORATION	\$30.00	\$30,000.00	\$11.62	\$11,620.00	\$2.50	\$2,500.00	\$16.80	\$16,800.00
33	7,866.00	LIN FT	AGGREGATE SHOULDERING	\$0.50	\$3,933.00	\$0.42	\$3,303.72	\$0.50	\$3,933.00	\$1.80	\$14,158.80
34	51.00	SQ YD	BITUMINOUS DRIVEWAY RESTORATION	\$20.00	\$1,020.00	\$41.01	\$2,091.51	\$25.00	\$1,275.00	\$41.60	\$2,121.60
35	15.00	SQ YD	CONCRETE DRIVEWAY RESTORATION	\$70.00	\$1,050.00	\$112.34	\$1,685.10	\$150.00	\$2,250.00	\$65.00	\$975.00
36	312.00	SQ YD	GRAVEL DRIVEWAY RESTORATION	\$8.00	\$2,496.00	\$19.14	\$5,971.68	\$5.00	\$1,560.00	\$23.00	\$7,176.00
37	1.00	LUMP SUM	GRAVEL ROADWAY TRANSITION	\$500.00	\$500.00	\$412.01	\$412.01	\$750.00	\$750.00	\$500.00	\$500.00
38	610.00	LIN FT	4" DOUBLE SOLID YELLOW-PAINT	\$0.25	\$152.50	\$0.25	\$152.50	\$0.22	\$134.20	\$0.24	\$146.40



TABULATION OF BIDS

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				UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL	UNIT COST	TOTAL
39	1,500.00	LIN FT	4" SOLID LINE YELLOW-PAINT	\$0.20	\$300.00	\$0.12	\$180.00	\$0.15	\$225.00	\$0.12	\$180.00
40	7,853.00	LIN FT	4" SOLID LINE WHITE-PAINT	\$0.20	\$1,570.60	\$0.12	\$942.36	\$0.15	\$1,177.95	\$0.12	\$942.36
41	14.00	LIN FT	24" SOLID LINE WHITE-PAINT	\$5.00	\$70.00	\$4.49	\$62.86	\$4.00	\$56.00	\$4.50	\$63.00
42	640.00	LIN FT	4" BROKEN LINE YELLOW-PAINT	\$0.30	\$192.00	\$0.12	\$76.80	\$1.00	\$640.00	\$0.12	\$76.80
SUBTOTAL 200TH STREET					\$194,293.50		\$166,819.99		\$170,292.85		\$248,458.56
SUMMARY											
SUBTOTAL GALAXY ROAD					\$131,881.00		\$122,278.47		\$125,981.60		\$174,570.88
SUBTOTAL 200TH STREET					\$194,293.50		\$166,819.99		\$170,292.85		\$248,458.56
GRAND TOTAL BID					\$326,174.50		\$289,098.46		\$296,274.45		\$423,029.44

P:\PTS\STAUG\137786\6-const-contract\Bidding\Bid Tabulation.xlsx\BIDTAB

St. August MS4 Program & SWU Implementation Schedule

June 6, 2016 – Introduction / Update to Council ~ **COMPLETED**

June 24, 2016 – Update MS4 program details and SWU calculation details based on input from June 6th council meeting. ~ **COMPLETED**

July 18, 2016 – Council workshop to review the details of the MS4 Program and SWU and obtain direction. Documents to be reviewed include:

MS4

- IDDE Ordinance
- Stormwater Management Ordinance
- Stormwater Design Standards

SWU

- SWU Ordinance
- SWU Policy / Calculations
- SWU Credit Policy
- Parcel Database
- Revenue Goals / Needs
- Projected Revenue
- Large Users
- Acceptable Rates

August & September 2016 – Public Education

- August 2, 2016 – National Night Out (distribute informational flyer)
- August 16, 2016 – Public Hearing
- Additional Education Efforts if needed

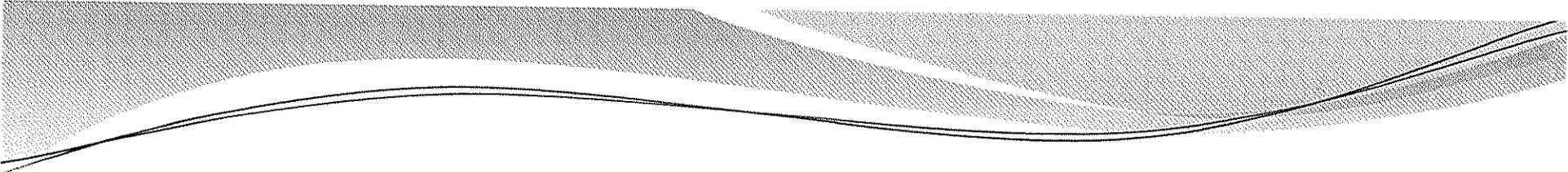
October 4, 2016 – Council Approval of Ordinance and Policies, including:

MS4

- IDDE Ordinance
- Stormwater Management Ordinance
- Stormwater Design Standards

SWU

- SWU Ordinance
- SWU Policy
- SWU Credit Policy



Development of Stormwater Utility (SWU)



SEH

April Ryan, PE

June 7, 2016

Stormwater Utility (SWU)

Creation and Implementation of a Stormwater Utility St. Augusta, Minnesota

What is a Stormwater Utility?

- Enterprise fund for stormwater management
- Established by Minnesota State Statute 444.075
- User fees similar to sanitary sewer or water charges
- Fees based on parcels' runoff contribution



Stormwater Utility (SWU)

Method of financing...

- MS4 Permit Requirements / Activities
- Administration
- Planning & Analysis
- Installation & Construction (Including curb & gutter)
- Operation & Maintenance (Including street sweeping)
- Education and Enforcement
- Equipment (trucks, sweepers, misc.)
- Staff Time
- Anything Related to stormwater management

Based on how much water runoff
and/or pollutant load is contributed by a particular parcel.



Stormwater Utility (SWU)

- **Fair**: charges are based on runoff rather than property value, as is the case with general taxes.
- **Dependable**: It does not compete with the general fund and provides a consistent source of revenue that is easily projected.
- **Acceptable**. It is based on sound engineering calculations, and used around the country.
- **Simple and flexible**. It is able to utilize the current billing system and can include credits, exemptions, and appeals process.



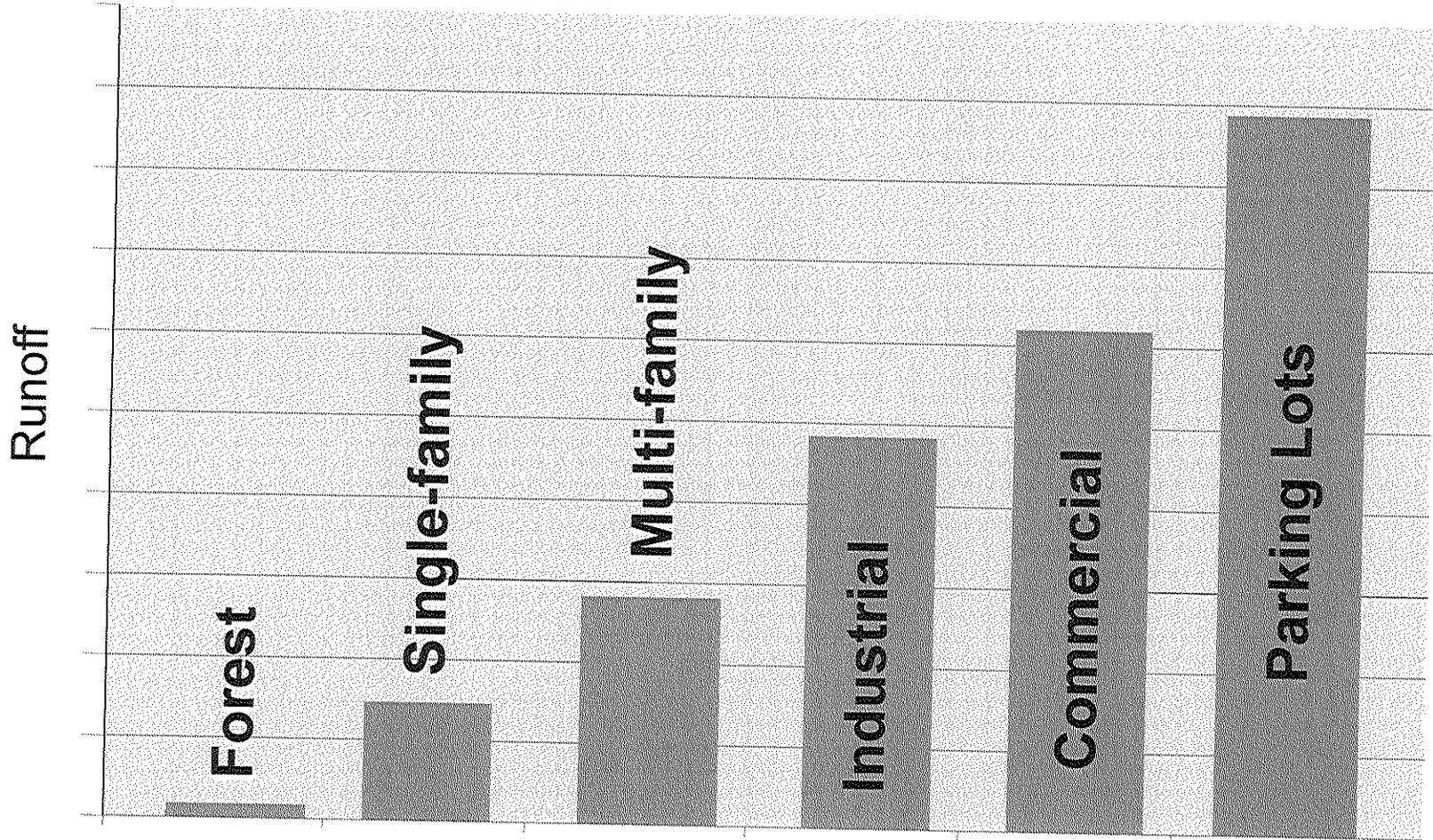
Stormwater Utility (SWU)

RATES ARE BASED ON...

- The amount of runoff and pollutant load calculated based on the land cover, soil type, and size of an individual parcel.
- Typically a per-acre-charge for all land use types, except single-family residential land use.
- Single-family residential properties are billed on a flat per-lot basis using an average lot size calculation.
- Exempt certain land use types.
- Implement a credit policy.



Stormwater Utility (SWU)



Fee Structure

- ❖ Land Use and Acres Based on County Tax Information
- ❖ Engineering Standard Calculation Used (SCS method)
- ❖ Single-family residential billed on a flat per-lot basis
 - ❖ Approximately 1,491 single-family parcels within the City of St. Augusta.
- ❖ Rainfall event
- ❖ Average single-family lot size
- ❖ Soil Type

*These factors ultimately define who fees are proportioned over different land uses.



Stormwater Utility (SWU)

Land Use

SWU LAND USE	(All)		
Row Labels	Count of SWU AREA (ac)	Sum of SWU AREA (ac)2	Average of SWU AREA (ac)2
Unknown (21) & ROW (50)	71	1512.21	21.30
1A-Residential Homestead	1097	3266.72	2.98
1BNA-Blind/Disabled Homestead Non Ag	8	11.97	1.50
2AAGENTITY-Ag Non-HS Farm Entity	1	73.92	73.92
2AHGA-Agricultural Homestead - HGA	4	3.04	0.76
2ANHGA-Agricultural Non-homestead - Non HGA	62	2223.75	35.87
2AREM-Agricultural Homestead - Remainder	184	11492.80	62.46
2B-Rural Vacant Land/Non-Productive - Homestead	2	60.49	30.24
2B-Rural Vacant Land/Non-Productive - Non Homestead	16	350.09	21.88
2CMFL-Managed Forest Land	3	79.36	26.45
3A-Commercial/Industrial/Public Utility	59	149.23	2.53
4A-Rental/Residential Non-Homestead 4 or More Unit	4	8.58	2.14
4B4-Residential nonhomestead - Land only	331	459.84	1.39
4BB-Residential Non-Homestead SFD	46	139.31	3.03
4C1NCOMM-Seasonal recreational residential - Non C	9	5.02	0.56
4C3DONAT - Nonprofit community service oriented org - Donations	1	1.72	1.72
5E-Exempt Properties	16	164.83	10.30
Grand Total	1914	20002.86	10.45



Stormwater Utility (SWU)

County Tax Land Use Designation	# of Parcels	Sum of SWU AREA (ac)	SWU Classification	Fee Basis
2AAGENTITY-Ag Non-HS Farm Entity	1	73.9	Agriculture	Exempt 251 parcels 13794 ac
2AHGA-Agricultural Homestead - HGA	4	3.0		
2ANHGA-Agricultural Non-homestead - Non HGA	62	2223.8		
2AREM-Agricultural Homestead - Remainder	184	11492.8		
2B-Rural Vacant Land/Non-Productive - Homestead	2	60.5	Vacant	Exempt 21 parcels 490 ac
2B-Rural Vacant Land/Non-Productive - Non Homestead	16	350.1		
2CMFL-Managed Forest Land	3	79.4		
BLANK (Right-of-way)	50	954.0	Right-of-way	Exempt
5E-Exempt Properties (Municipal)	9	108.8	Municipal	Exempt
1A-Residential Homestead	1097	3266.7	Residential	Per Lot Rate 1491 parcels 3882.9 ac
1BNA-Blind/Disabled Homestead Non Ag	8	12.0		
4B4-Residential nonhomestead - Land only	331	459.8		
4BB-Residential Non-Homestead SFD	46	139.3		
4C1NCOMM-Seasonal recreational residential - Non C	9	5.0		
4C3DONAT - Nonprofit community service oriented org - Donations	1	1.7	Institutional, Church, school, Government	Per Acre 8 parcels 57.8 acres
5E-Exempt Properties	7	56.0		
4A-Rental/Residential Non-Homestead 4 or More Unit	4	8.6	Multi-Family	Per Acre
3A-Commercial/Industrial/Public Utility	59	149.2	Commerical / Industrial	Per Acre
BLANK - Unknown	21	558.2	Unknown	?

Need acceptance/input on land use classification



Stormwater Utility (SWU)

Rainfall Event = 2.0" Event Most Common

- The larger the rainfall event the more evenly proportioned the fees are between land use.

Average Single Family Lot Size = 2.6 acres

- The larger the average SF lot size the more evenly proportioned fees are between land use.

Soil Type = Hydraulic Soil Group A (Sandy Well Drained Soils)

The more well drained the soils the less evenly proportioned fees are between land use.

*These factors ultimately define who fees are proportioned over different land uses.

** Need acceptance/input on Final factors. **



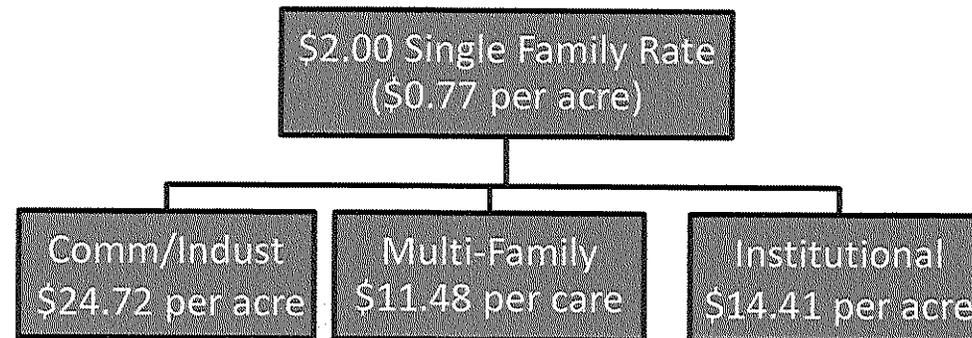
Stormwater Utility (SWU)

Estimated Revenue

Assumes No Credits

Residential Single-Family Per-Lot <u>Monthly</u> Rate	\$1.00	\$1.50	\$2.00	\$2.50	\$3.00	\$3.50
Total Potential Estimated <u>Monthly</u> Revenue	\$3,822	\$5,733	\$7,644	\$9,555	\$11,466	\$13,377
Total Potential Estimated <u>Yearly</u> Revenue	\$45,865	\$68,798	\$91,730	\$114,663	\$137,595	\$160,528

Rates are set based on estimated stormwater management costs and acceptable rates to users



81.43177.0314	MINNESOTA SELECT SIRES COOP	Commerical / Industrial	1.51	\$37.40
81.43217.0755	CASEY'S RETAIL COMPANY	Commerical / Industrial	1.63	\$40.26
81.43209.0308	PEARSON INVESTMENTS LLC	Commerical / Industrial	1.63	\$40.29
81.43312.0306	PREUSSER ENTERPRISES LLC	Commerical / Industrial	1.64	\$40.66
81.43312.0302	BERTRAM FAMILY TRUST	Commerical / Industrial	1.66	\$40.92
81.43180.0318	SERENITY ROSE LLC	Commerical / Industrial	1.66	\$40.98
81.43180.0320	GOHMANN PROPERTIES LLC	Commerical / Industrial	1.70	\$42.11
81.43151.0610	HARVEST BANK	Commerical / Industrial	1.73	\$42.82
81.43239.0420	KAY JOHNSON PROPERTIES LLC	Commerical / Industrial	1.79	\$44.22
81.43180.0321	DARLENE C KLEIN REV TRUST	Commerical / Industrial	1.87	\$46.20
81.43154.0732	RUSSELL R & PEGGY L M VOIGT	Commerical / Industrial	2.00	\$49.43
81.43180.0315	PAUL P VOIGT	Commerical / Industrial	2.02	\$49.83
81.43217.0750	DELUX RETAIL CENTER LLC	Commerical / Industrial	2.25	\$55.72
81.43152.0505	PATRICIA KILIAN	Commerical / Industrial	2.52	\$62.24
81.43155.0705	LUXEBURG FEED SERVICES INC	Commerical / Industrial	3.00	\$74.18
81.43180.0313	BMR PROPERTIES LLC	Commerical / Industrial	3.50	\$86.50
81.43152.0520	TITAN SERVICES LLC	Commerical / Industrial	3.87	\$95.76
81.43188.0200	TORK PROPERTIES LLC	Commerical / Industrial	3.93	\$97.04
81.43154.0734	J & S PROP OF ST CLOUD INC	Commerical / Industrial	4.92	\$121.70
81.43152.0565	STEARNS COOP ELECTRIC ASSN	Commerical / Industrial	6.34	\$156.80
81.43188.0204	JOE FABER FAMILY LMTD PTNRSHIP	Commerical / Industrial	6.92	\$171.08
81.43152.0595	TITAN SERVICES LLC	Commerical / Industrial	7.55	\$186.55
81.43150.0210	ST CLOUD TRUCK SALES INC	Commerical / Industrial	8.98	\$222.10
81.43152.0260	DARMAR SA LLC	Commerical / Industrial	9.71	\$240.04
81.43150.0200	PEARSON INVESTMENTS LLC	Commerical / Industrial	14.62	\$361.36
81.43154.0245	WAITE PARK RIFLE CLUB INC	Commerical / Industrial	19.73	\$487.87
81.43151.0700	AMERICAN LEGION POST #621	Institutional	1.72	\$24.84
81.43151.0693	COUNTY OF STEARNS	Institutional	1.92	\$27.72
81.43153.0833	CHURCH OF ST WENDELIN OF LUX	Institutional	3.66	\$52.77
81.43153.0405	QUIET OAKS	Institutional	10.05	\$144.84
81.43153.0832	CHURCH OF ST WENDELIN OF LUX	Institutional	13.89	\$200.14
81.43152.0132	ST MARY'S HELP OF CHRISTIANS	Institutional	25.49	\$367.25
81.43229.0300	TIMOTHY H & MONICA T HOFFMAN	Multi-Family	1.47	\$16.90
81.43151.0636	CEDAR POINTE APARTMENT HOMES LLC	Multi-Family	1.94	\$22.22
81.43151.0635	GJ ENTERPRISES LLC	Multi-Family	1.96	\$22.52
81.43162.0404	FRED J DEFFINBAUGH	Multi-Family	3.21	\$36.80

Large Users
Monthly Fees
Based on \$2.00 SF Rate
No Credits



Stormwater Utility (SWU)

Utility Fees

Community	Monthly Single-Family Residential Fee
Alexandria	\$3.00
Baxter	\$2.10
Bemidji	\$6.44
Brainerd	\$3.00
Detroit Lakes	\$3.76
Duluth	\$6.08
Fergus Falls	\$5.00
Glencoe	\$3.50
Hutchinson	\$2.93
Moorhead	\$10.21
St. Cloud	\$2.10



Stormwater Utility (SWU)

Credits

Decisions that will need to be made.

- Do you want to have a credit policy?
 - Which credits do you want to include?
 - What percentage for each type of credit?
 - What is the maximum percentage you want to allow?
-
- Responsibility of the property owner to provide justification for the credit
 - City staff will approve all credit applications, establish a fee?
 - Single Family Residential and other Parcels subject to standardized charges are not eligible for credit
 - Wetland areas shall be excluded from the total parcel area
 - Maximum Credits are cumulative and cannot exceed?



Stormwater Utility (SWU)

Credits

Detention - If it can be demonstrated that an individual parcel detains storm water runoff to the predevelopment rate for a 24-hour, 2-, 10-, and 100-year runoff event, that parcel may be eligible for a 25% Storm Water Utility Fee reduction.

Or

Detention - If it can be demonstrated that an individual parcel detains storm water runoff such that the runoff is reduced by at least 5% from the predevelopment rate for a 24-hour, 2-, 10-, and 100-year runoff event, that parcel may be eligible for a 25% Storm Water Utility Fee reduction.



Stormwater Utility (SWU)

Credits

Retention - If it can be demonstrated that an individual parcel retains or infiltrates at least 1.1-inch runoff volume calculated over the entire site and meets the following requirements, that parcel may be eligible for a 25% Storm Water Utility Fee reduction. Retention or infiltration must be:

- a. located on the parcel,
- b. a constructed storm water management facility, and
- c. be maintained by the landowner (with a maintenance agreement).

Regional Treatment - Where regional treatment exists and the regional treatment meets any of the above credit criteria for the total drainage area entering the regional treatment facility; parcels with 75% or more of their runoff directly entering the regional treatment facility may be eligible for up to a 25% credit based on the above requirements.



Stormwater Utility (SWU)

Credits

Water Quality – If it can be demonstrated that an individual parcel has Best Management Practices (BMPs) or facilities which are constructed specifically for the purpose of storm water enhancement as defined below, the parcel may be eligible for a credit.

- a. Documentation must be provided to the City for evaluation of the BMP demonstrating the water quality improvement. It is required the documentation be prepared by a licensed professional engineer of the State of Minnesota and provide the necessary drawings and calculations to support the storm water benefit. It is the applicant's responsibility to prove the benefit.
- a. The Storm Water Utility Fee may be reduced by a percentage based on the treatment capacity (pollutant load reduction) provided by the BMP(s) for a 24-hour, 2-inch rainfall event. A cumulative maximum credit of 50% may be obtained.
- a. The following are examples of Best Management Practices:
 - Wet or dry swales
 - Filter strips
 - Infiltration trenches or ponds
 - Underground storage or filters
 - Sand filters
 - Soak away pits
 - Green roof
 - Pervious pavers
 - Dry wells



Stormwater Utility (SWU)

Credits

Land Use Credits

- 1) Parcels with green space meeting all of the criteria identified below may be eligible for a 25% Storm Water Utility Fee reduction. The credit shall be calculated based on the percentage of the total parcel eligible.

Criteria:

- a. Green space shall be pervious, continuously vegetated areas incorporated into the developed parcel.
- b. The property must comply with other City of St. Augusta ordinances.
- c. The space shall not have more than 25% impacted and/or compacted soils. Examples of impacted/compacted soils include, but not limited to, trails and/or sport fields.
- d. The green space must be at least 10% of the total parcel.
- e. The eligible green space must have a separation of at least 10 feet from any impervious surface and/or building.



Billing Options

- ❖ With existing water/sewer bills.
- ❖ Additional accounts
- ❖ Work with county to place on yearly tax statement
- ❖ Combination



Stormwater Utility (SWU)

NEXT STEPS

Update Utility Information

Master Data Base / Verification
Rate Structure
Ordinance / Policy

Public Education

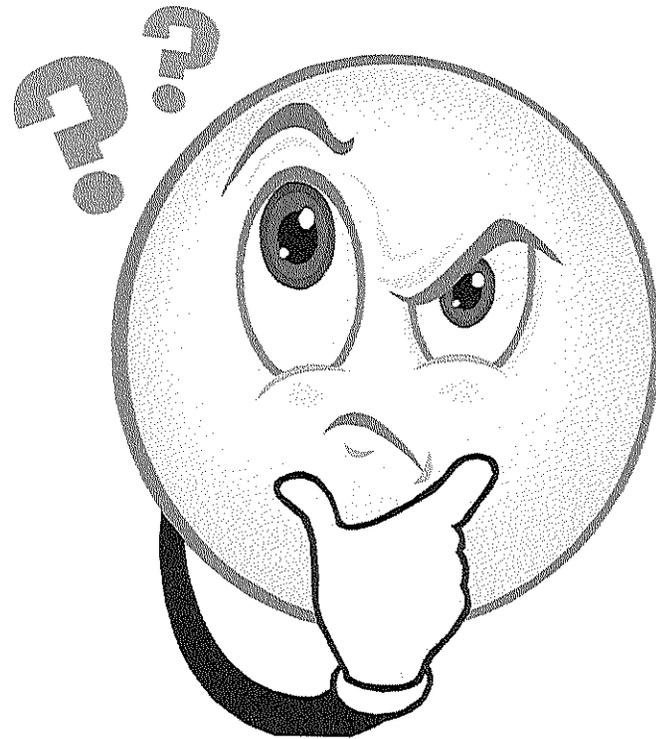
Mailing / Flyer
Meeting
Large Users

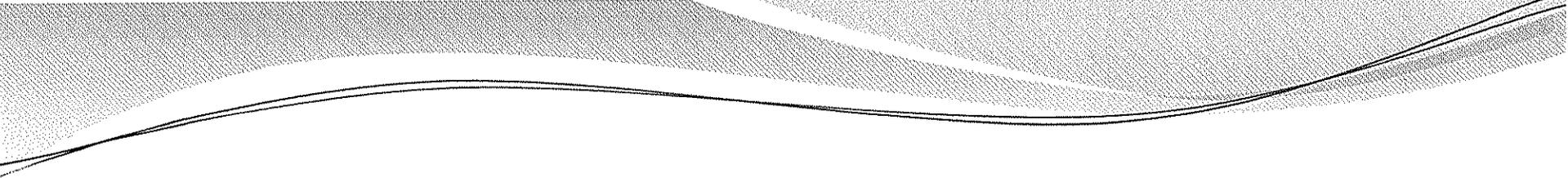
Implementation of the Utility

Adopt Ordinance / Policy
Billing Structure



QUESTIONS





Development of MS4 Program

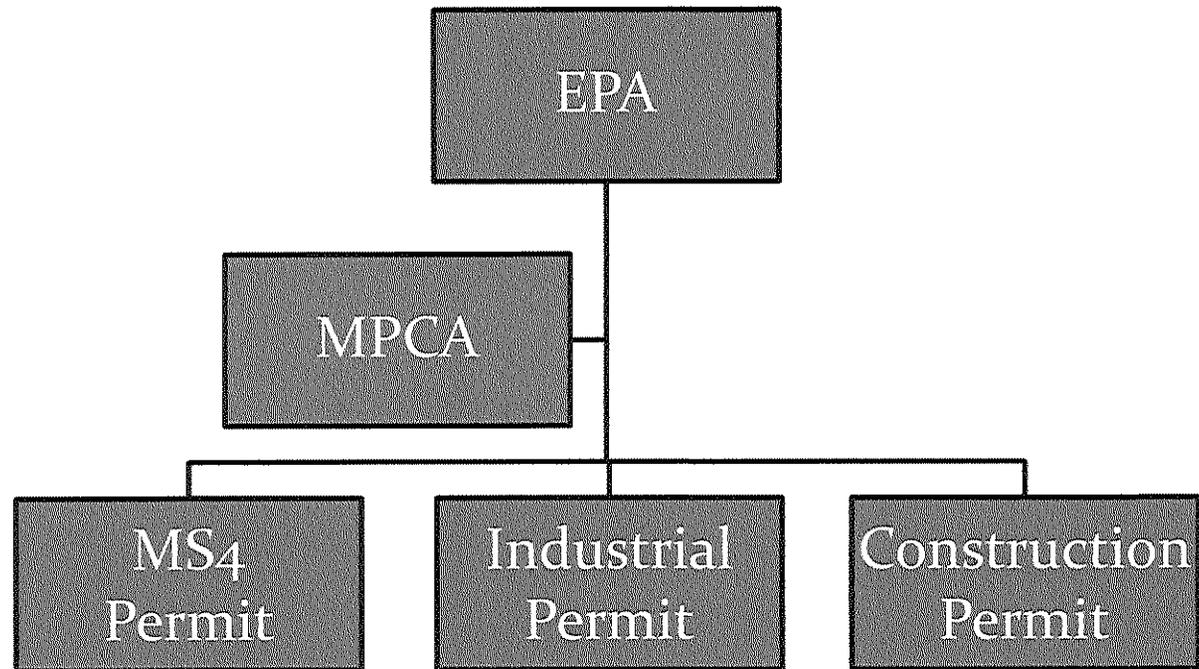


SEH

April Ryan, PE

June 7, 2016

NPDES Permit Program



MS₄ = Municipally Separate Storm Sewer System

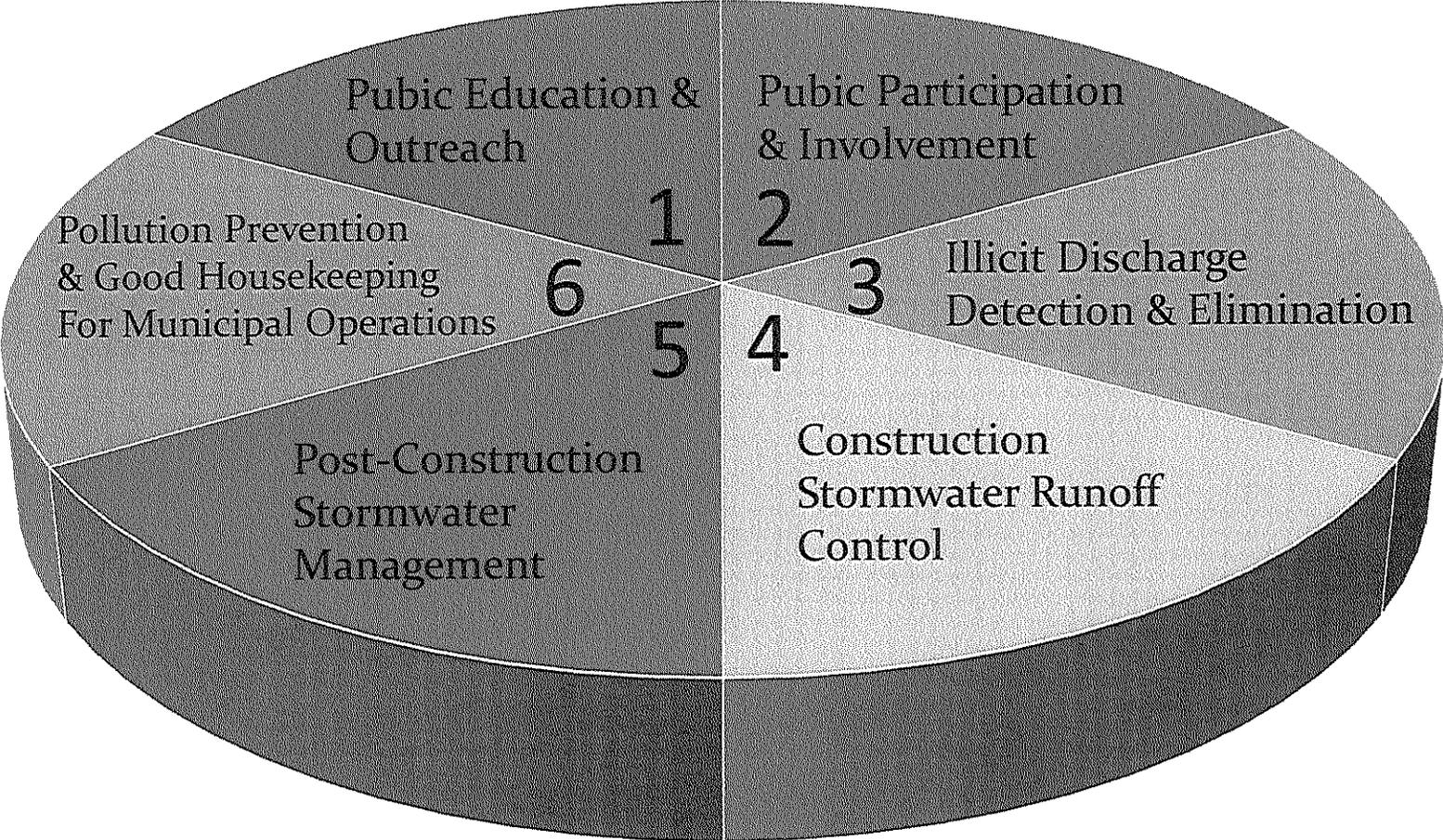
Conveyance or system of conveyances (roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, storm drains, etc.)



MS4 Permit Program

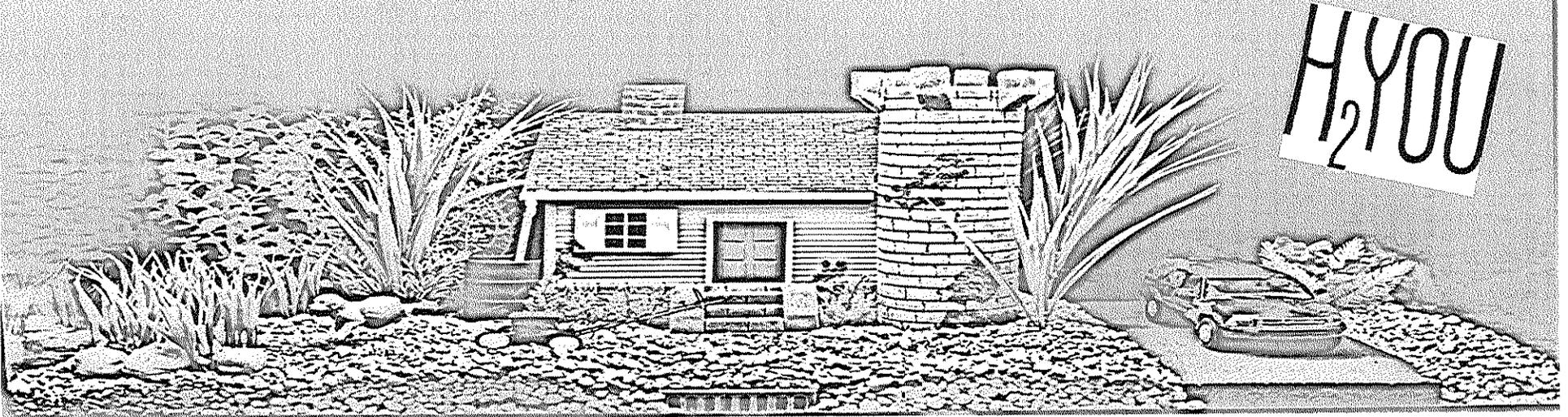
- ❖ Designated MS4 because located in an urbanized area in whole or in part as determined by the latest Decennial Census.
 - ❖ Noticed on February 25, 2015
 - ❖ Program must be implemented by October 25, 2016
- ❖ Permit updated and reissued every 5 years.
- ❖ Requires City to develop and implement a Stormwater Pollution Prevention Program (SWPPP).
- ❖ Goal is to reduce discharge of pollutants from the City's storm sewer system, protect water quality, and meet the requirements of the Clean Water Act.

MINIMUM CONTROL MEASURES



MCM 1 - PUBLIC EDUCATION & OUTREACH

- Identify Priority Topics
- Program Implementation Plan
 - Central Minnesota Water Education Alliance (CMWEA)
 - Distribute Education Material
 - Website
 - Clean-up Programs
- Documentation



MCM 2 - PUBLIC PARTICIPATION / INVOLVEMENT



- Annual Opportunity
- Public Input Written Procedures
 - Permit / SWPPP Access
 - Documentation

MCM 3

Illicit Discharge Detection Elimination

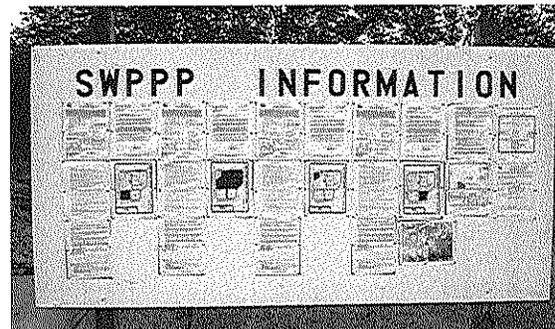
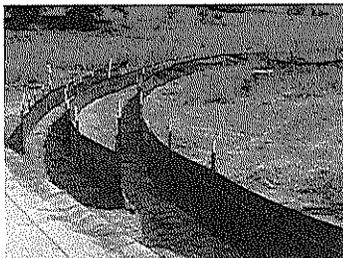
- Map / Inventory
- Regulatory Mechanism – Draft Ordinance
- Enforcement Response Procedures
- Inspection, detecting, tracking
- Training
- Priority Areas
- Procedures for investigating, locating, eliminating, response to spills
- Documentation



MCM 4 - CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

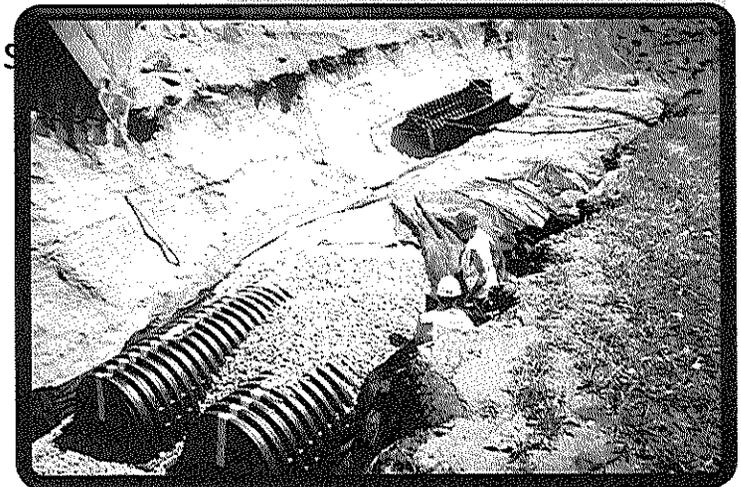
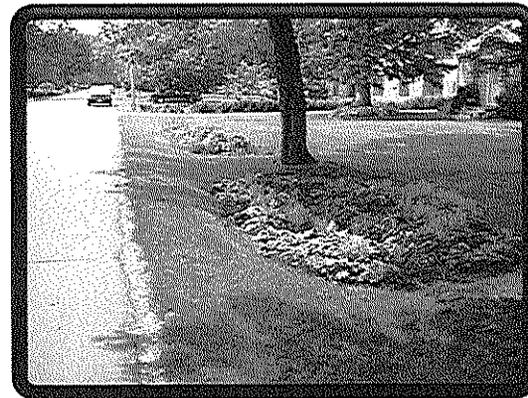
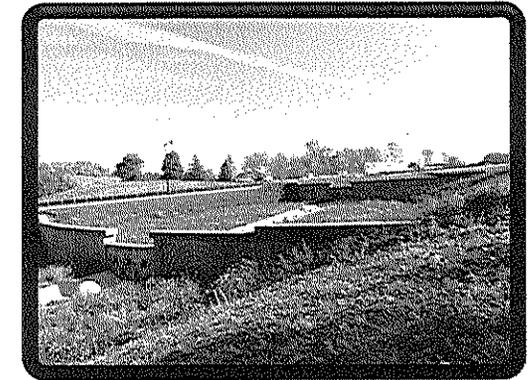
- Regulatory Mechanism - DRAFT ORDINANCE & DESIGN STANDARDS
 - Revise Existing Ordinances
 - Permit Application
 - Triggered if DISTURBING 5,000 sf or More
 - As stringent as NPDES Construction Permit
- Site Plan Review (written procedures)
- Public Input (written procedures)
- Site Inspections (written procedures & checklists)
- Enforcement Response Procedures
- Documentation

- ❖ Erosion Prevention Practices
- ❖ Sediment Control Practices
- ❖ Dewatering Activities
- ❖ Pollution Prevention Management Measures
- ❖ Final Stabilization
- ❖ Temporary Sediment Basins
- ❖ Site Inspection and Maintenance



MCM 5 – POST CONSTRUCTION STORMWATER MANAGEMENT

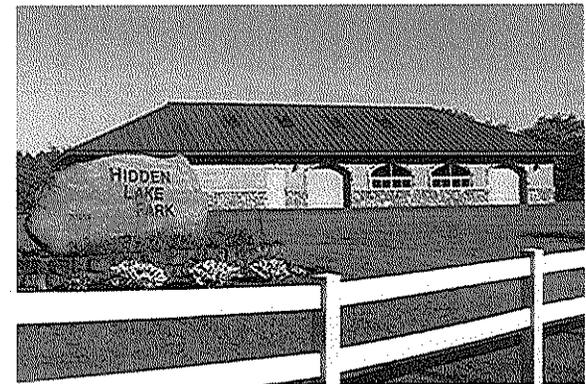
- Regulatory Mechanism(s) – DRAFT ORDINANCE & DESIGN STANDARDS
 - Revise Existing Ordinances
 - Permit Application
 - Triggered if DISTURBING 1 Acre or More
 - Site Plan Review
 - Volume, TSS, TP (MIDS)
 - Legal Mechanism For Long Term Maintenance
- Site Plan Review (written procedures & checklists)
- Documentation



MCM 6

POLLUTION PREVENTION / GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

- Inventory of Facilities
- BMPs for inventoried facilities & operations
- Pond, Wetland, Lake Inventory
- Pond Assessment (procedures & schedule)
- Inspections
 - Structural BMPs, Ponds, Outfalls, Stockpiles, ETC.
- Employee Training
- Documentation



NEXT STEPS

Ordinances & Design Standards

Update Existing
Review, Comment, & Update
Adopt

Finalize SWPPP & MS₄ Program

Implementation and Ongoing
Efforts of SWPPP & MS₄ Program

QUESTIONS

