



To: MAYOR AND COUNCIL

Agenda Item #: IV. L.

From: Ross Bintner PE, - Environmental Engineer

Action

Discussion

Date: October 21, 2014

Information

Subject: Sanitary Sewer Infiltration and Inflow Surcharge - Revised

Action Requested:

Authorize Community Response and I/I Mitigation Work Plan and Authorize City Manager to Sign Community Response Form.

Information / Background:

Staff presented this item at the October 7 City Council meeting. At that meeting the attached revised surcharge letter from the Metropolitan Council Environmental Services (MCES) was shared on the dais.

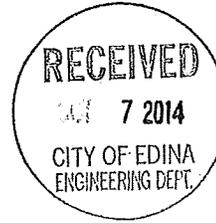
Option 1 would add an annual surcharge in the amount of \$306,062.50 for 4 years. Option 2 commits the City to a 4 year capital work plan in the amount of \$1,224,250.00. Staff recommends Option 2, as the look back period for work already completed covers the I/I mitigation work plan amount. Staff prepared the attached 2014 I/I Program Year Community Response Form accordingly.

Attachments:

9/30/14 Corrected Surcharge Notice
Community Response Form and Plan

September 30, 2014

Chad Millner
City Engineer
City of Edina
4801 W. 50th Street
Edina, MN 55424-1330



RE: CORRECTION - Inflow/Infiltration (I/I) Surcharge to be billed to you in 2015 (preliminary)

Dear Mr. Millner:

This letter is to inform you that the work plan assignment identified in our letter of August 18th, 2014 has been revised based on additional review of meter data and further system investigation. As a result your community's 2015 work plan amount is reduced. Please accept our sincere apologies for any inconvenience that this situation may have cause.

The following information includes both the original work plan assignment and the revised assignment:

| | <u>Date</u> | <u>Metershed</u> | <u>Exceedance</u> |
|----------|-------------|------------------|-------------------|
| Original | 6/19/2014 | M127 | 8.00 |
| Revised | 6/19/2014 | M127 | 2.09 |
| Original | 6/19/14 | M128 | 0.19 |
| Original | 6/19/14 | M129 | 0.67 |

| | Preliminary 2015 I/I Surcharge | Total Work Plan Amount |
|----------------------------|---------------------------------------|-------------------------------|
| 8/19/14 Letter (original) | \$ 919,225.00 | \$3,676,900.00 |
| Correct Information | \$ 306,062.50 | \$1,224,250.00 |

Further investigation found that in response to the June 19, 2014 storm event, system flow within the Council's interceptor (1-MN-345) downstream of the City's wastewater flow meter (M127) was exceeded causing a backwater effect through the meter, thereby resulting in higher flow levels being recorded at the meter. The City's exceedance has been revised to reflect the non-surcharged hydraulic capacity of section of the interceptor downstream of M127.

The Metropolitan Council takes pride in the service that we provide to your community and value your working relationship with us.

If you have any further question/concerns/comments regarding this matter please discuss it with Rebecca Fabunmi at 651-602-1517 and/or rebecca.fabunmi@metc.state.mn.us.

Sincerely,

Bryce Pickart
Assistant General Manager, Environmental Services

cc: Steve Elkins, Metropolitan Council Member, District 5
Rebecca Fabunmi, Principal Engineer, MCES Engineering Services Group
City Finance Officer



2014 I/I Program Year Community Response Form

This form is to be completed by communities that received an exceedance notification for Program year 2014. If a community chooses to be billed a surcharge, it must complete Part A. If a community chooses to perform mitigation work, it must complete Parts A and B. Send completed form and any supporting documentation to:

Mail: Assistant Manager, Engineering Planning
390 N. Robert Street
St. Paul, MN 55101

Fax: Attn: Assistant Manager, Engineering Services
(651) 602-1030

Email: kyle.colvin@metc.state.mn.us

Part A: Community chooses I/I Surcharge Community chooses I/I Mitigation Work

Community Name & Mailing Address: City of Edina

Part B: 2014 I/I Mitigation Work Value: \$ 2,201,700

- a) **Public Facility Work:** Attach detailed description of the 2014 I/I reduction work. Include work completed in 2013 look back period. Itemize type of work to be completed in 2013 and 2014 on public sanitary sewer system and estimated or actual costs. MCES may request additional documentation to verify actual or planned expenditures. Include the percent of each project that is related to I/I mitigation.

Summary of Costs (attach additional pages as needed): :See attached summary of eligible I/I mitigation work in 2013-2014 lookback period.

- b) **Private Property Work:** Attach detailed description of community's inspection program for broken service laterals and illegal connections of sump pumps or passive drain tile(s). Complete number & value of work as indicated.

_____ **Sump pump disconnections:** \$150 per dwelling = \$ _____
_____ **Foundation drain disconnections:** \$3,000 per building = \$ _____
_____ **Rain leader disconnections:** \$100 per single family dwelling = \$ _____
_____ **Rain leader disconnections:** \$3,000 per commercial dwelling = \$ _____
_____ **Service lateral repairs:** \$5,000 per repair = \$ _____

Describe Other Work: _____

Additional work taking place, but not needed to credit against I/I surcharge

Total proposed for 2014: \$ 2,201,700

Signature of City or Township Official/Title:

Date Signed: _____ Phone #: 952-826-0401

January 1 2013 to September 1, 2014 Summary of Edina's Eligible Costs for MCES Surcharge/Workplan Lookback

Table D-2 I/I Reduction, Work Eligibility
 100% MH, Casting, Chimney Seals
 100% Dedicated drain tile for sump discharge
 50% Pipe lining
 100% I/I Study and CCTV Investigation

| PROJECT | ITEM DESCRIPTION | UNIT | QTY | UNIT PRICE | TOTAL COST | Eligible Amount | M127 | M128 | M129 | 1-MN-345 |
|--|--|--------|--------|------------|------------|-----------------|-----------|-----------|-------------|-----------|
| 2014 STRACHAUER PARK B M127 | REMOVE CASTING ASSEMBLY | EACH | 75.0 | \$23.00 | \$1,725 | \$1,725 | | | | |
| | FURNISH AND INSTALL SANITARY MANHOLE (Ø-Ø) | EACH | 1870.0 | \$2.00 | \$3,740 | \$3,740 | | | | |
| | FURNISH AND INSTALL SANITARY MANHOLE - EXTRA DEPTH | LIN FT | 330.0 | \$1.20 | \$396 | \$396 | | | | |
| | 6" PVC SUMP DRAIN SDR 35 - OPEN CUT | LIN FT | 10 | \$1,500.00 | \$15,000 | \$15,000 | | | | |
| | 4" PVC SUMP DRAIN INLET (TEE, STUB & PLUG) | EACH | 260 | \$84.00 | \$21,840 | \$21,840 | | | | |
| | 6" PVC SUMP DRAIN CLEAN OUT | EACH | 350 | \$22.00 | \$7,700 | \$7,700 | | | | |
| | 6" HDPE SDR 17 SUMP DRAIN (IPS) (HDD) | LIN FT | 25 | \$5,380.00 | \$134,500 | \$134,500 | | | | |
| | 10" PVC SDR 35 SANITARY SEWER TRUNK PIPE | LIN FT | 53.0 | \$130.00 | \$6,900 | \$3,250 | | | | |
| | CONNECT TO EXISTING SANITARY SEWER | EACH | 1000.0 | \$1.00 | \$1,000 | \$500 | | | | |
| | 6" SANITARY SEWER SERVICE - COMPLETE | EACH | 1125.0 | \$5.00 | \$5,625 | \$2,813 | | | | |
| | CURED-IN-PLACE-PIPE LINER FOR 6" VCP SANITARY SEWER | LIN FT | 30.0 | \$1,587.00 | \$47,610 | \$23,805 | | | | |
| | CASTING ASSEMBLY (R-1728) | EACH | 900.0 | \$10.00 | \$9,000 | \$9,000 | | | | |
| | CASTING ASSEMBLY (R-1728-B) | EACH | 800.0 | \$1.00 | \$800 | \$800 | | | | |
| | CASTING ASSEMBLY (R-1733) | EACH | 800.0 | \$2.00 | \$1,600 | \$1,600 | | | | |
| | CASTING ASSEMBLY (R-1733-B) | EACH | 800.0 | \$1.00 | \$800 | \$800 | | | | |
| TOTAL | | | | \$257,836 | \$227,469 | \$227,469 | | | | |
| 2014 MORNINGSIDE B 1-MN-343 Unmetered | CEMENTITIOUS LINER SANITARY MANHOLE | LIN FT | 95.0 | \$223.00 | \$21,185 | \$21,185 | | | | |
| | 6" PVC SUMP DRAIN SDR 35 - OPEN CUT | LIN FT | 21 | \$4,300.00 | \$91,074 | \$91,074 | | | | |
| | 4" PVC SUMP DRAIN INLET (TEE, STUB & PLUG) | EACH | 127 | \$113.00 | \$14,351 | \$14,351 | | | | |
| | 6" PVC SUMP DRAIN CLEAN OUT | EACH | 215 | \$28.00 | \$6,020 | \$6,020 | | | | |
| | 6" HDPE SDR 17 SUMP DRAIN (IPS) (HDD) | LIN FT | 22 | \$1,750.00 | \$37,800 | \$37,800 | | | | |
| | 10" PVC SDR 35 SANITARY SEWER TRUNK PIPE (Ø - 8' DEPTH) | LIN FT | 93.9 | \$228.00 | \$21,400 | \$10,700 | | | | |
| | 10" PVC SDR 35 SANITARY SEWER TRUNK PIPE (Ø - 10' DEPTH) | LIN FT | 104.5 | \$104.00 | \$10,871 | \$5,436 | | | | |
| | 10" PVC SDR 35 SANITARY SEWER TRUNK PIPE (10' - 12' DEP) | LIN FT | 149.9 | \$24.00 | \$3,597 | \$1,799 | | | | |
| | 10" PVC SDR 35 SANITARY SEWER TRUNK PIPE (12' - 14' DEP) | LIN FT | 149.9 | \$20.00 | \$2,997 | \$1,499 | | | | |
| | SANITARY SEWER SERVICE COMPLETE | EACH | 2261.0 | \$11.00 | \$24,871 | \$12,436 | | | | |
| | CURED-IN-PLACE-PIPE LINER FOR 9" VCP SANITARY SEWER | LIN FT | 24.0 | \$4,265.00 | \$102,360 | \$51,180 | | | | |
| | CASTING ASSEMBLY (R-1728) | EACH | 1070.0 | \$21.00 | \$22,470 | \$22,470 | | | | |
| | CASTING ASSEMBLY (R-1728-B) | EACH | 1070.0 | \$4.00 | \$4,280 | \$4,280 | | | | |
| | CASTING ASSEMBLY (R-1733) | EACH | 825.0 | \$7.00 | \$5,775 | \$5,775 | | | | |
| | CASTING ASSEMBLY (R-1733-B) | EACH | 825.0 | \$1.00 | \$825 | \$825 | | | | |
| TOTAL | | | | \$369,876 | \$286,828 | \$286,828 | | | | |
| Total Work Done = | | | | | | \$2,980,699 | | | | |
| Total Eligible Work Done = | | | | | | \$2,207,646 | \$785,082 | \$29,806 | \$1,186,230 | \$286,828 |
| | | | | | | \$3,320,000 | \$78,650 | \$278,050 | \$0 | |