

II.A.



DATE: December 30, 2008

TO: Planning & Public Works Committee

FROM: *BM*
Brian McGownd, PWDACE

SUBJECT: MSD response to flooding – Hurricane Ike

On December 9, 2008, Chairperson Hurt and I met with MSD to discuss the future sanitary sewer projects that they have planned within Chesterfield. We met with several members of their engineering and planning departments. They gave us a general overview of their planning process, which includes the use of a cost/benefit formula, maintenance records, etc. to develop a five year plan. They try to stick to the five year plan, but they made it clear that things do change on occasion, so the projects on the plan can shuffle back and forth. They stated that they feel comfortable that adequate funding is in place to complete the plan and associated projects identified within Chesterfield.

We showed them a map of Chesterfield with those parcels affected by Hurricane Ike highlighted, and asked what projects do they have planned in this area that will relieve the problems associated with overcharged sewers. A majority of the parcels affected are along or near Creve Coeur Creek. MSD has plans to add a relief sewer line along the creek (Creve Coeur Sanitary Relief Project), which will eliminate basement flooding within this area. This project, which is broken into six phases, will be 7.25 miles long, and is estimated to cost over \$44 Million. The attached map shows the location of the project and the various phases. Phase I will be under construction this spring, and all six phases are expected to be completed within 8 to 10 years.

With the Committee's concurrence, Staff proposes to send out the attached letter to the residents affected by Hurricane Ike. The letter will provide them information regarding the Creve Coeur Sanitary Relief Project.

If you need additional information or have any questions please advise.

attachments

cc: Mike Herring, City Administrator
Mike Geisel, Director of Planning & Public Works

January XX, 2009

Resident
Chesterfield, MO 63017

RE: Sewage Backups – Hurricane Ike

Dear :

As a result of the remnants of Hurricane Ike that passed through the region on September 14, 2008, several Chesterfield residents experienced flooding in their basements. A majority of the flooding appeared to be related to an overcharged sanitary sewer sytem. With direction from the Planning & Public works Committee of City Council, City staff has been working with the St. Louis Metropolitan Sewer District (MSD) to identify sanitary sewer improvement projects within Chesterfield that will eliminate basement flooding in the future.

A majority of the properties affected within Chesterfield are along or near Creve Coeur Creek. MSD has plans to add a relief sewer line along the creek (Creve Coeur Sanitary Relief Project), which will eliminate basement flooding within this area. This project, which is broken into six phases, will be 7.25 miles long, and is estimated to cost over \$44 Million. The attached map shows the location of the project and the various phases. Phase I will be under construction this spring and all six phases are expected to be completed within 8 to 10 years.

The City of Chesterfield will monitor the progress of this project, and will continue to work closely with MSD to eliminate the issue of sewage backups within our community.

If you have any questions or require additional information, please contact us at (636) 537-4762.

Sincerely,

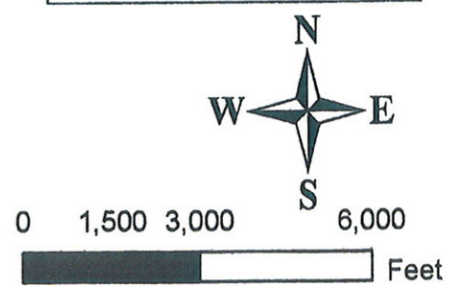
Brian K. McGownd, P.E.
Public Works Director

Cc: Mayor John Nations
City Councilmembers
Michael G. Herring, City Administrator
Mike Geisel, Director of Planning & Public Works

Figure 1-7
Trunk Sewer
Construction Phasing



| Legend | |
|----------------|------------------|
| | Railways |
| | Highways |
| | Sub Trunk Sewers |
| Phase 1 | |
| | 72 Inch Pipe |
| Phase 2 | |
| | 60 Inch Pipe |
| | 48 Inch Pipe |
| | 42 Inch Pipe |
| Phase 3 | |
| | 36 Inch Pipe |
| Phase 4 | |
| | 36 Inch Pipe |
| | 30 Inch Pipe |
| Phase 5 | |
| | 30 Inch Pipe |
| | 27 Inch Pipe |
| Phase 6 | |
| | 24 Inch Pipe |
| | 21 Inch Pipe |
| | 18 Inch Pipe |



CDM
12655 Olive Blvd.
Ste. 385
St. Louis, Missouri 63141
Tel: 314.439.5522
Fax: 314-439-5523