



Peter E. Kolb, P.E.  
Director

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September 24, 2012

Fields of Long Grove Home Owners Association  
4665 Farmwood Drive  
Long Grove, Illinois 60047  
Attn: Bill Thompson, Property Manager

RE: Sanitary Sewer Connection Inquiry for Fields of Long Grove Subdivision  
Long Grove, IL PW #2012.057

Dear Mr. Thompson,

This letter will respond to your recent phone call inquiry regarding the feasibility of connecting the Fields of Long Grove Sanitary sewer system to existing County sanitary sewer lines. I would like to thank you for giving Gordon White and myself the tour of your subdivision pointing out the existing sewerage system. We offer the following response to your inquiry:

1. It is our understanding that Schaeffer spray irrigation field is not performing as desired and the Fields of Long Grove Home Owners Association (FOLGHOA) would like to determine the feasibility of abandoning the spray irrigation field but still maintain the sewer collection system, pump stations, comminuter and aerated lagoon. In order to abandon the spray irrigation fields the sewage would need to be transported from the existing lagoon to an existing County sanitary sewer
2. It appears that a new force main pipe would need to be installed to transport sewage from the existing lagoon pump station to existing County sewer lines. The FOLGHOA would need to hire an Engineer to help determine the best route and connection point for this force main. The Engineer could also prepare the plans and specifications necessary for a contractor to prepare a bid for the work. One option you mentioned was to connect to the existing sewers located on the adjacent school district property. This certainly appears to be the shortest route, however the district would need to be a willing to grant easements to the FOLGHOA and to the County to make the connection possible.
3. As you know your 88 lot subdivision is located in the Village of Long Grove. The County provides sewage treatment and disposal services to areas within municipalities only by contract with that municipality. In order to serve your subdivision with County sewer service we would need to amend our contract with the Village.
4. An IEPA permit would be required to connect the Subdivision sewers to the County sewer system.

5. I have attached a rough cost estimate of engineering fees, legal fees and construction fees. In addition to these fees connection fees and user fees would need to be paid to our department as follows :

LCPWD connection fee: \$3,600.00 per home  
Current sewer user fee: \$35.68 per home per month

I hope this letter is helpful in determining your course of action. If you wish to further pursue this project I would suggest a meeting with yourself, the Village of Long Grove and our department. Feel free to call me with any questions

Sincerely,  
Lake County Public Works Department



Charles DeGrave , P.E.  
Principal Civil Engineer

C : Peter Kolb, Director, LCPW ( email only)  
Gordon White, Chief Engineer, LCPW (email only)

September, 2012

**Engineer's Preliminary Opinion of Probable Cost**  
**Fields of Long Grove Subdivision**  
**Connection to County Public Sewer System**

Directional drill 4 inch force main, say 2,500 feet @ \$40/ lf <sup>1</sup>	\$ 100,000
New 4 –inch magnetic meter / vault	\$ 8,000
Restoration/ erosion control	\$ 25,000
Contingency (20%)	\$ 27,000
Subtotal	\$160,000
Engineering	\$25,000
Legal fees	\$ 50,000
Total construction, engineering and legal fees	\$235,000

**Notes:**

- 1 For comparison purposes the Teal lane force main project bid was recently bid at \$37.50/ ft for 3,900 lf of 6 inch certa loc PVC force main
- 2 The above cost estimate assumes installation of a new force main pipe from the lagoon lift station to existing sewers along Gilmer road. If easements could be obtained from the school district the force main length could be reduced by approx 1200 ft. This would lower the cost estimate approx. \$48,000
- 3 New Zoeller model # 661 pumps were recently installed at lagoon pump station. If these pumps cannot be used to pump sewage to county sewer system then new pumps will be needed and additional costs will be incurred above and beyond costs mentioned above.