

NOTICE OF INFORMATIONAL MEETING

KAPIOLANI AREA REVISED SEWER SYSTEM (KARSS) PROJECT

MCKINLEY HIGH SCHOOL CAFETORIUM
1039 SOUTH KING STREET
HONOLULU, OAHU, HAWAII

MARCH 17, 2008, 6:30 P.M.

To All Concerned:

The City Department of Design and Construction and its consultant, HDR/Hawaii Pacific Engineers, Inc., would like to invite you to an informational meeting on the upcoming "Kapiolani Area Revised Sewer System" (KARSS) project that involves additional sewer rehabilitation and reconstruction work in the Kapiolani area. Unlike the currently ongoing "Kapiolani Boulevard Water and Sewer Improvements" project that involves the large trunk sewer line in Kapiolani Boulevard, the KARSS project will correct defects in the smaller branch sewer lines off Kapiolani Boulevard.

The project involves the installation of new replacement sewer lines and rehabilitating existing sewer lines to help prevent sewage spills and reduce maintenance requirements. Problems with the existing sewer system include clogging from grease and sediments, capacity limitations, and structural deficiencies.

A general plan for the project showing the location and type of construction is presented in Figure 1. The construction work is expected to begin in April 2008 at the earliest, and is anticipated to take up to 24 months to complete. The work is located in various non-contiguous areas. The construction work in any one area may be expected to require anywhere from one to two weeks to several months depending on the type and difficulty of work.

Approximately 2,800 feet of new 8-inch and 10-inch diameter sewers will be constructed using conventional open-cut trenching. The depths of the lines range from approximately 3 to 8 feet. Open trench work on sewers located in groundwater, such as those on Kona Street, Pensacola Street, and portions of Atkinson Drive and Kalauokalani Way, will be more difficult and time consuming. These sewers will require the use of sheet piles and/or jet grouting to keep the trenches from collapsing and minimize entry of groundwater into the trenches. "Jet grouting," which is being used on the current Kapiolani sewer project, is a technology involving injection of cement slurry into the soil to improve soil strength.

The project will also involve rehabilitation of approximately 1,850 lineal feet of existing 10-inch and 12-inch diameter pipe utilizing cured-in-place pipe (CIPP) lining. CIPP sewer lining, a trenchless pipe rehabilitation technology that requires little or no excavation, will be used where possible to rehabilitate rather than replace existing lines. This technology consists of installing a soft fabric tube impregnated with a thermoset resin in the existing pipeline and then curing the liner by the application of heat. The CIPP rehabilitation process results in a structurally sound pipe with a smooth interior surface that is jointless and corrosion resistant. CIPP will be used to rehabilitate existing sewer lines with adequate capacity and pipe slopes.

Although much of the work will occur during normal working hours, certain work activities may be performed at night and potentially up to 24 hours per day, including weekends and holidays. These activities include pumping for sewage flow bypassing and pumping for trench dewatering. Extended nighttime and weekend hours are also proposed for installation of CIPP liners and open trenching where necessary and appropriate. To minimize the duration of impacts to businesses on Kona Street and Pensacola Street, both day and night work may be performed on weekdays and weekends in this area. CIPP work on Ala Moana Boulevard will be restricted to off-peak hours to minimize traffic congestion on this heavily traveled thoroughfare.

At the informational meeting, we will be discussing the project scope, objectives, tentative schedule, and potential impacts. We will also be soliciting your comments and concerns regarding the City's noise variance request to perform activities at night and on weekends and holidays. A noise variance is required since noise levels may exceed the State Department of Health's nighttime and weekend noise limits. It should be noted that the source of noise will move from one area to another as the construction progresses.

An Environmental Assessment for the project that provides more information on the project and anticipated impacts may be viewed at the State Office of Environmental Quality's document website located at: <http://oeqc.doh.hawaii.gov>. The document is listed as "2005-05-08 KAPIOLANI AREA REVISED SEWER SYSTEM" and may be directly accessed at:

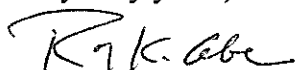
<http://oeqc.doh.hawaii.gov/Shared%20Documents/EA%20AND%20EIS%20ONLINE%20LIBRARY/Oahu/2005-05-08%20FEA%20KAPIOLANI%20AREA%20REVISED%20SEWER%20SYSTEM.pdf>

The Environmental Assessment was issued in April of 2005. The project scope has since been modified slightly, primarily to reduce impacts through more extensive use of the CIPP trenchless technology. The current scope of project is shown on Figures 1.

The City's goal is to work closely with the community to keep residents and businesses informed about the progress of construction, minimize adverse impacts to the extent possible, and address any concerns or problems at the earliest possible stage. The City's contractor for the project is Frank Coluccio Construction Company, the same contractor that is working on the current Kapiolani water line and sewer project.

If you have any questions or comments, or would like more information on the project or the noise variance, please feel free to contact me at 522-7425 or at roy.abe@hdrinc.com. Ms. Lureen Komoda of the City Department of Design and Construction may also be contacted at 768-8758. We thank you in advance for your patience and understanding as the City continues its program to rehabilitate its aging sewer system.

Very truly yours,



Roy K. Abe, Project Manager
HDR|Hawaii Pacific Engineers, Inc.

