APPENDIX C

Hydroquip Pump & Dewatering Corp. Letter

HYDROQUIP PUMP & DEWATERING CORP.
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February 16, 2004

Fifield Companies
20 North Wacker Drive, Suite 3200
Chicago, Illinois 60606

Attention: Mr. Mike Pepper

Re: Temporary Dewatering Impacts
Proposed Development
10250 Wilshire Blvd.
West Los Angeles, CA

Dear Mr. Pepper

Per our discussions, your request, and our extensive experience on projects very similar to this we would like to offer this overview of the impacts of temporary dewatering at this and similar sites for the excavation of a subterranean parking facility below the existing groundwater table.

Hydroquip has performed the dewatering services for literally hundreds of excavations of all magnitudes ranging from nearly 100 feet in depth and 50 feet below the groundwater table at Wilshire Blvd. and Veteran Street, just blocks west of this site, and over 75 parking structures in the Beverly Hills, Los Angeles, and San Diego areas. No problems with settlement of adjacent properties have arisen on any of these sites due to the use of prudent, safe, industry standard techniques on all of these sites.

The extraction of groundwater for excavations extending below the groundwater table includes the drilling of temporary dewatering wells surrounding the excavation. The wells act to pull groundwater away from and below the required excavation limits and levels. The wells are large diameter borings with slotted casings placed in the centers of the borings, with many tons of gravel filter material placed in the wells between the soils and the slotted casings. As groundwater is released by the soils at the original groundwater level the water travels vertically to the very bottoms of the wells. This vertical migration of the groundwater very effectively cleans the water of all solids and fines, and no soils are collected and/or pumped by the dewatering system. The extraction of groundwater only,

drawn down one time only, and held to an acceptable level to dewater the excavation does not result in any negative impacts, movement, or settlement of the surrounding properties or areas.

This non-movement is confirmed in two ways. Precise, scheduled, optical surveying and monitoring of the entire area surrounding the excavation confirms that there is no movement. Additionally, Federal discharge permit guidelines such as will be in place at this site requires that continuous monitoring and testing of the discharged water confirms via certified laboratory testing that the discharged water contains no fines or solids, down to levels as low as parts per million, much like drinking water standards. Without the extraction of any solids from the dewatering system, and with the use of industry standard shoring and excavation techniques, movement beyond fractional, predictable, nominal limits does not occur.

A common technique used to demonstrate and confirm this condition is the filling of a coffee cup with marbles, with each marble representing a soil particle. Water can be added which acts to fill the void spaces between the marbles. Repeated emptying and re-filling of the voids with water never results in the ability to place one more marble in the cup, as there is no settlement induced by the removal of the water which would allow the placement of an additional marble. This can be repeated an almost infinite number of times and no settlement will occur, and no marbles can ever be added. Temporary construction dewatering systems go one step further in that they lower the groundwater table one time, where it is held until released when the dewatering is no longer required. At that time the groundwater rebounds slowly to its original level. The new structure does not raise, lower, impact, or divert the original groundwater table or its movement.

We hope this helps to clarify some of the misunderstanding related to temporary dewatering. If you require any additional information please feel free to contact the undersigned.

Sincerely,

Jerry L. King
President