

# General Site Plan: Exhibit D

## Parcel A

Total Acreage: 60.70  
Average Hourly Water Demand in GPM: 96  
Peak Hourly Water Demand in GPM: 287  
Average Daily Water Demand in gallons: 137,600

## Parcel B

Total Acreage: 2.44  
Average Hourly Water Demand in GPM: 2.29  
Peak Hourly Water Demand in GPM: 6.88  
Average Daily Water Demand in gallons: 3300

## Parcel C

Total Acreage: 52.58  
Average Hourly Water Demand in GPM: 87  
Peak Hourly Water Demand in GPM: 262  
Average Daily Water Demand in gallons: 125,689

## Parcel D

Total Acreage: 43.10  
Average Hourly Water Demand in GPM: 24  
Peak Hourly Water Demand in GPM: 73  
Average Daily Water Demand in gallons: 35,100

## Parcel E

Total Acreage: 34.73  
Average Hourly Water Demand in GPM: 68  
Peak Hourly Water Demand in GPM: 204  
Average Daily Water Demand in gallons: 97,778

## Parcel F

Total Acreage: 43.00  
Average Hourly Water Demand in GPM: 119  
Peak Hourly Water Demand in GPM: 358  
Average Daily Water Demand in gallons: 171,600

## Parcel G

Total Acreage: 48.67  
Average Hourly Water Demand in GPM: 88  
Peak Hourly Water Demand in GPM: 264  
Average Daily Water Demand in gallons: 126,667

## Parcel H

Total Acreage: 99.56  
Average Hourly Water Demand in GPM: 82  
Peak Hourly Water Demand in GPM: 246  
Average Daily Water Demand in gallons: 117,972

## Parcel I

Total Acreage: 92.88  
Average Hourly Water Demand in GPM: 65  
Peak Hourly Water Demand in GPM: 196  
Average Daily Water Demand in gallons: 94,000

## Parcel J

Total Acreage: 13.43  
Average Hourly Water Demand in GPM: 6  
Peak Hourly Water Demand in GPM: 19  
Average Daily Water Demand in gallons: 9,000

## Parcel K

Total Acreage: 37.42  
Average Hourly Water Demand in GPM: 24  
Peak Hourly Water Demand in GPM: 73  
Average Daily Water Demand in gallons: 34,800

### NOTES: (CONTINUATION)

4. Interim Water Storage Demand City System: In order to meet the Cantera operational storage demands, the developer is required to modify the piping at the Bower Standpipe to permit the filling of the tank from either Well #2, which is the only way it can be filled now, or from the water system at times of low water demand.

In addition to the piping, the fill valve from the water system must be designed to be motor operated and interconnected with Well #2 controls, the elevation of water in the standpipe and the #2 Booster Pump controls.

Further, an iron removal system should be installed on Well #2 and the well should be pulled and serviced so that the quality of water produced from that well can be used to fill the standpipe for both operational and emergency storage requirements.

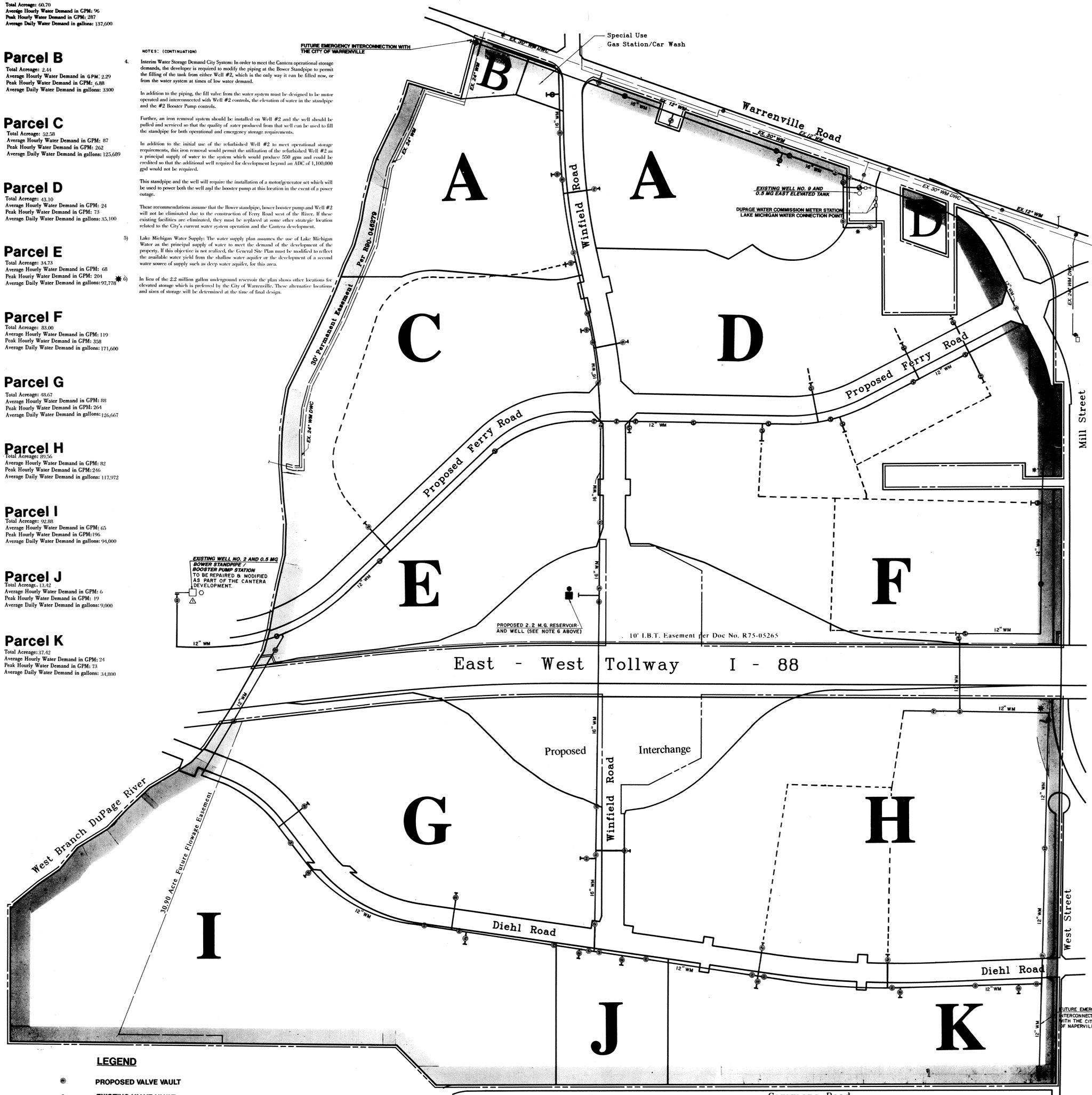
In addition to the initial use of the refurbished Well #2 to meet operational storage requirements, this iron removal would permit the utilization of the refurbished Well #2 as a principal supply of water to the system which would produce 500 gpm and could be credited so that the additional well required for development beyond an ADC of 1,100,000 gpd would not be required.

This standpipe and the well will require the installation of a motor/generator set which will be used to power both the well and the booster pump at this location in the event of a power outage.

These recommendations assume that the Bower standpipe, lower booster pump and Well #2 will not be eliminated due to the construction of Ferry Road west of the River. If these existing facilities are eliminated, they must be replaced at some other strategic location related to the City's current water system operation and the Cantera development.

5) Lake Michigan Water Supply: The water supply plan assumes the use of Lake Michigan Water as the principal supply of water to meet the demand of the development of the property. If this objective is not realized, the General Site Plan must be modified to reflect the available water yield from the shallow water aquifer or the development of a second water source of supply such as deep water aquifer, for this area.

In lieu of the 2.2 million gallon underground reservoir the plan shows other locations for elevated storage which is preferred by the City of Warrenville. These alternative locations, and sizes of storage will be determined at the time of final design.



### LEGEND

- PROPOSED VALVE VAULT
- EXISTING VALVE VAULT
- 12" WM — PROPOSED WATER MAIN
- EX. 12" WM — EXISTING WATER MAIN
- - - - - PROPOSED PUBLIC WATER MAIN TO SERVICE SUBJECT PARCEL
- PROPOSED METER
- PROPOSED WELL
- EXISTING WELL
- PROPOSED RESERVOIR
- EXISTING RESERVOIR
- ▲ IRON REMOVAL FACILITY

### Statement From Licensed Civil Engineer

This concept engineering plan has been designed to meet the potable water demand of the proposed development in accordance with City of Warrenville ordinances.

SDI CONSULTANTS, LTD.

By Lee E. VanderMeulen Date 1-18-94  
Lee E. VanderMeulen  
Illinois Professional Engineer 045328

### Notes:

- The water demand rates referenced above are approximate and based on the Illustrative Master Plan Calculations dated April 29, 1992. The proposed water distribution system was also analyzed with the water demand rates generated by the 0.5 F.A.R. Land Use Calculations dated April 29, 1992. It was determined that the proposed water distribution system adequately meets the demand resulting from the 0.5 F.A.R. plan.
- Interconnecting Water Mains: The interconnecting water mains will be installed at Winfield Road/Warrenville Road and Lorraine Avenue/Warrenville Road to serve the development of Parcel 'A' and/or Parcel 'E'. We recommend that an interconnecting main be installed from the Bower 0.5 million gallon standpipe and Well #2 to the Warrenville Road interconnecting mains when any other Parcels are developed.
- Interim Water Supply City System: The policy decision made by the City is to supply the interim water demands of the Cantera Development without any initial improvements to the City water system. When the ADC for both the City and the Cantera development reaches 1,100,000 gpd for the previous 6 month period, the developer is required to add well capacity to the City's water system in the form of a shallow well.

(FOR CONTINUATION OF NOTES SEE ABOVE)

CITY OF WARRENVILLE APPROVED  
DATE: 1/17/94  
SIGNATURE: [Signature]



# CANTERA

Owner: Warrenville Development Limited Partnership  
11 South LaSalle Street  
Chicago, IL 60603  
(312) 782-5800

Development Manager: LaSalle Partners  
Development Limited  
11 South LaSalle Street  
Chicago, IL 60603  
(312) 782-5800

Land Planner/  
Landscape Architect: EDAAW, Inc.  
601 Prince Street  
Alexandria, VA 22314  
(703) 836-1414

Engineer: SDI Consultants Ltd.  
1520 Kensington Road  
Oak Brook, IL 60521  
(708) 571-0353

Traffic: Metro Transportation Group  
113 Fairfield Way  
Suite 306  
Bloomington, IL 60108  
(708) 351-8100

Wetlands: Planning Resources, Inc.  
615 West Front Street  
Wheaton, IL 60187  
(708) 668-3788

Geotechnical and Geo-Environmental: Testing Services Corporation  
457 East Gundersen Drive  
Carol Stream, IL 60188  
(708) 653-3920

DATE: December 20, 1992  
Rev. Date: April 29, 1992 August 13, 1993  
June 12, 1992 January 18, 1994

JAMES J. BENES & ASSOCIATES, INC.  
1755 Park Street, Suite 100, Naperville, Illinois 60563  
Tel. (708) 369-7800 Fax (708) 369-7819