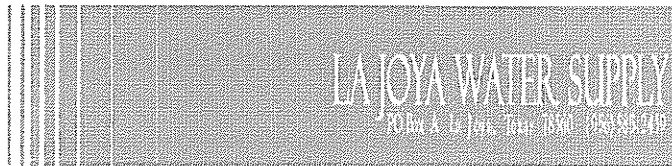


# SERVICE INVESTIGATION REPORT

FOR

## HIDALGO COUNTY HEADSTART CENTRAL KITCHEN

Prepared for:  
**La Joya Water Supply Corporation**



Prepared by:



**McAllen, Texas**

**September 18, 2008**

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## **I) MAP OR PRELIMINARY PLAT**

S&B Infrastructure, Ltd (S&BI) received and reviewed a copy of the Hidalgo County Headstart Central Kitchen designed by Hinojosa Engineering, Inc.

The Hidalgo County Headstart Central Kitchen is located east of the existing Hidalgo County Headstart Center off Paula St. and is in between the east side of Moorfield Drive and west side of Schuerback Road.

The proposed project consists of 1 commercial lot. A 1.66 acre tract of land being all of Lot 4 of Lot 23 in Mission Groves Estates, in Hidalgo County, Texas.

**Water Distribution System:** The Developer proposes to connect to an existing 8" waterline located on the north side of Paula St. by installing a proposed 2" single service connection ahead of an existing 2" flush valve.

**Sewerage Facilities:** This subdivision will connect to an existing sanitary sewer provided by the city of Mission for sewer service.

## **II) INTENDED LAND USE OF THE PROPERTY**

Hidalgo County Headstart Central Kitchen consists of 1 commercial lot.

## **III) NUMBER OF LUES & PROJECTED WATER DEMAND, AVERAGE AND PEAK DEMAND (GPM)**

- **Projected Water Demand**

The Developer calculated a maximum daily demand of 1,500 gal/day

1 LUE = 1 Connection = 0.6 gpm X 24 hrs. X 60 min./hr. = 864 gal/day

1,500 gal/day divided by 864 gal/day = 1.7 LUE

**S & B calculated the number of LUE for this subdivision at 1.7**

- **Average Water Demand (GPM)**

The daily treatment capacity needed for the subdivision will be 1.7 connections X 0.6 gpm/connection = 1.02 gpm

**S & B calculated the average water demand for this subdivision at 1.02 gpm**

- **Peak Water Demand (GPM)**

## SERVICE INVESTIGATION REPORT

1.7 connections X 2.0 gpm/connection = 3.4 gpm

**S & B calculated the peak water demand for this subdivision at 3.4 gpm**

### IV) CONSTRUCTION SCHEDULE

Not provided by the Developer

### V) ON-SITE STORAGE AND PRESSURIZATION FACILITIES TO REDUCE PEAK DEMANDS.

The existing 8" waterline running along the north side of Paula St. currently has a pressure of 49 psi which is enough pressure to supply water to this facility.

### VI) ADDITIONAL INFORMATION / COMMENTS

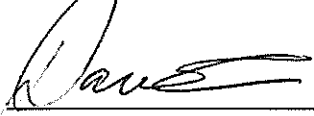
- a) The developer is responsible for the proposed 10-ft dedicated easement to La Joya WSC easement and all associated costs and to comply with Non Standard Service Agreement (NSSA)
- b) If the purchaser(s) of a lot requires a commercial lot and subsequently determines that a larger meter is required, then the LUE will need to be calculated and appropriate fees on the upgrade must be paid to the Corporation prior to the initiation of service on such larger meter(s).
- c) Fire Hydrants installed within the Corporation's distribution system are provided at the convenience of the Corporation and do not imply any responsibility on the part of the Corporation to meet fire flow requirements.
- d) The following fees, dedications and other items will also be required:
  1. Payment of Membership Fee per meter;
  2. Payment of Inspection Fee per meter;
  3. Acquisition and dedication of all exclusive easements required by La Joya WSC;
  4. Payment of Meter Installation Fees;
  5. Payment of Front-End Capital Contributions Fees;
  6. Payment of Water Rights Acquisition Fees;
  7. Payment of Construction Inspection Fee;
- e) The Developer is responsible for all construction permitting and associated costs.
- f) If the Developer wishes for the Receiver to review this report for service feasibility, the Developer must request it in writing to the Receiver along with a copy of this report.

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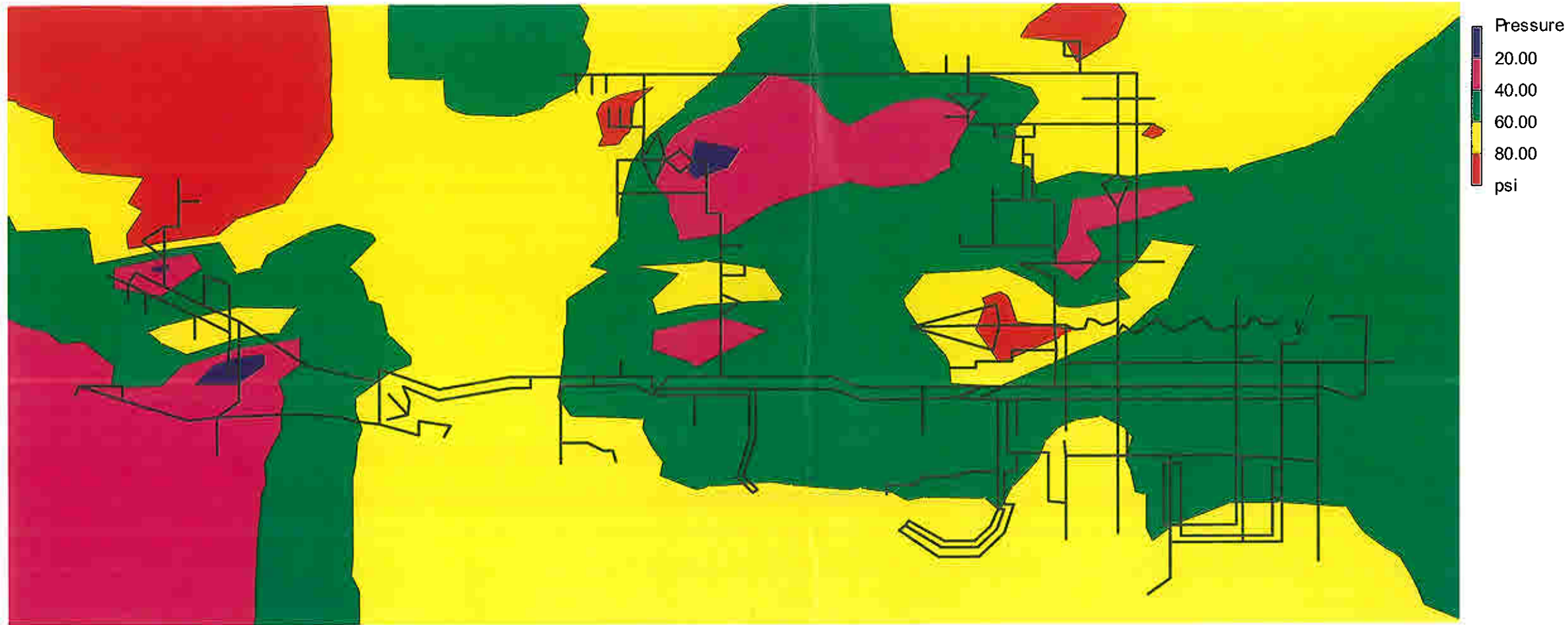
- g) If the Receiver finds that service is feasible the receiver will execute a resolution and Non-Standard Service Agreement detailing all costs, fees and improvements required by the Developer.
- h) After construction please submit 2 complete sets of As-Built Plans and a CD with the Subdivision Plat and Layouts (AutoCAD format).

Should you have any questions or desire additional information, please do not hesitate to call me at (956) 926-5000.

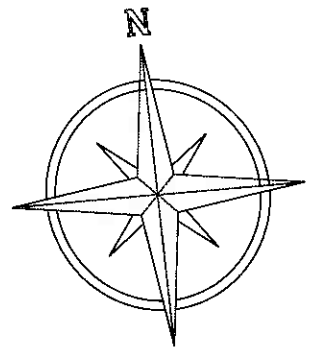
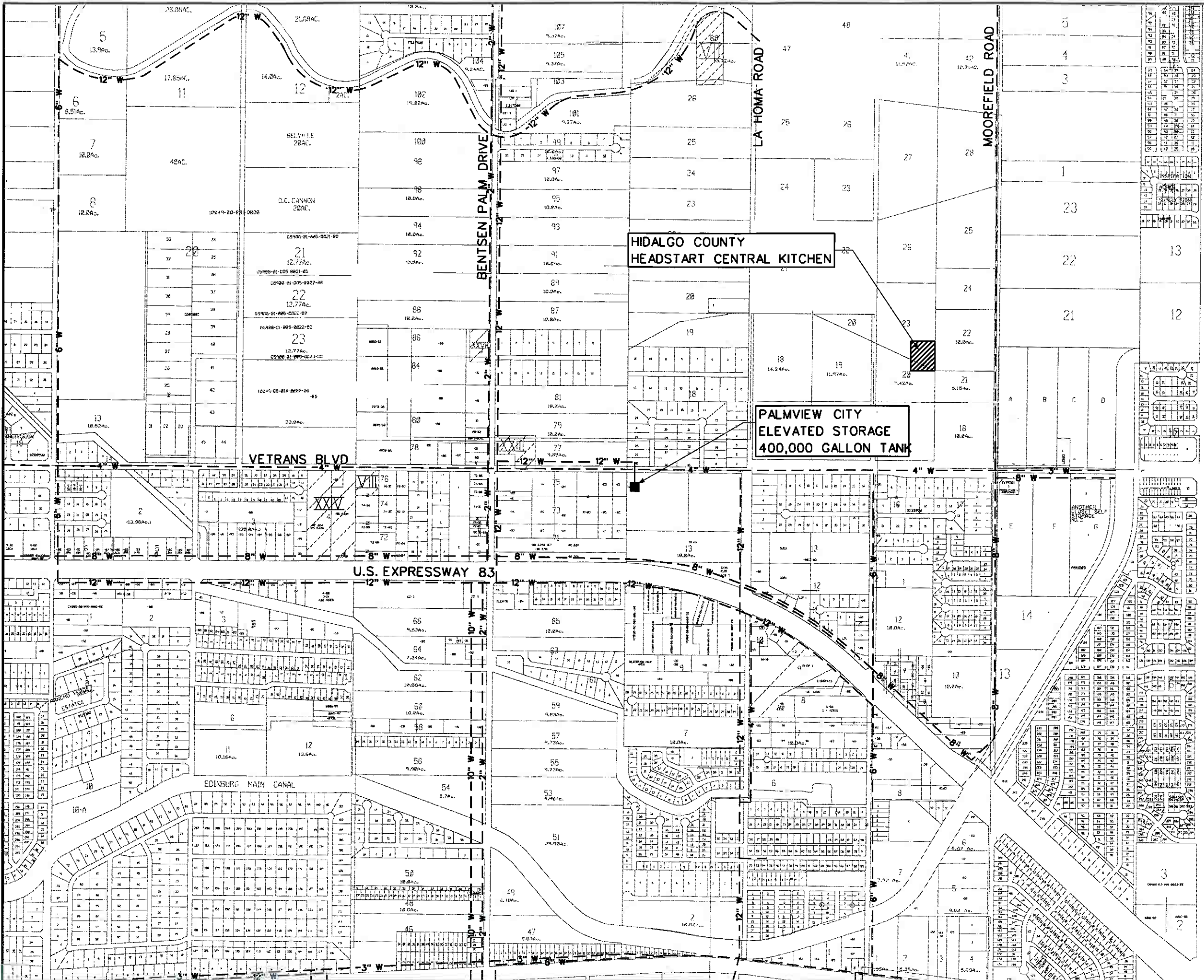
Sincerely,



**Dario V. Guerra III, P.E.**  
**Engineer for La Joya WSC**



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NORTH  
SCALE 1 : 1000



**HIDALGO COUNTY  
HEADSTART CENTRAL KITCHEN**

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FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		SHEET NO.
STATE	DIST.	COUNTY	
TEXAS		HIDALGO	
CONT.	SECT.	JOB	HIGHWAY NO.