



CALIFORNIA LICENSE NO. 979833

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CACL #979833 "A" / "C61"

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September 22nd 2017

**PROPOSAL**  
FOR  
**OMOCHUMNE-HARTNELL WATER DISTRICT**

**GROUNDWATER RECHARGE SYSTEM**  
FOR  
**379 ACRES at KAUTZ PROPERTY - ROONEY RANCH**  
**89 ACRES at MOSHER PROPERTY**  
**785 ACRES at KAUTZ PROOERTY - TEICHART RANCH**

**Points of Contact**

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Leonel Flores  
Project Foreman  
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## Gary Ott Resume Responsible Person

### Work Experience

- Operations Manager** 2012 – Present Golden State Irrigation & Pump Stockton, CA  
Assistant Manager of irrigation, pump & construction company, including daily operation of the company, sales, engineering, design and installation of; all types of irrigation and pump systems, filter stations, waste and water systems, landscape systems, electrical (1 & 3 phase), piping & plumbing (Stainless Steel, PVC, Steel, Galvanized, Aluminum, Concrete), drain piping, concrete, and general building construction. I am also responsible for inventory, purchasing, job tracking, material takeoffs and pricing, employee scheduling, contracts and equipment.
- Operations Manager** 2003 – 2011 Rain for Rent Stockton, CA  
Assist Branch Manager with all aspects of Branch operations. Schedule employees and equipment, assist with bids and irrigation/pump and filtration designs. Assures that all rental equipment is repaired, and maintained, and all vehicle and rolling stock maintenance is performed, purchase material/equipment as needed.
- Project Manager** 2001 – 2003 DRC Contracting Company, Inc San Andreas, CA  
Managed overall building of Retail Store Complex's throughout the world, including but not limited to; all aspects of MEP, refrigeration and general construction. Electrical (1 & 3 phase), fire system piping, plumbing, concrete, HVAC, refrigeration, pump systems, and general building construction. Equipment and material purchasing, job tracking, material takeoffs, employee and equipment scheduling, daily reports, safety, permits, project budgets and expenses.
- Owner –Manager** 1991 – 2001 Oakdale Ag & Turf, Inc Oakdale, CA  
Managed irrigation, pump & construction company, including all aspects of the operation of the company. Sales, engineering, design and installation of; all types of irrigation and pump systems, filter stations, waste and water systems, landscape systems, electrical (1 & 3 phase), piping & plumbing (Stainless Steel, PVC, Steel, Galvanized, Aluminum, Concrete), drain piping, concrete, and general building construction. Also I was responsible for inventory, purchasing, job tracking, material takeoffs and pricing, employee scheduling, contracts and contacts, equipment, and yearly/monthly/daily, financial planning
- Department Manager** 1986 – 1991 Amerine Systems, Inc Oakdale, CA  
Managed the retail store, pump dept, irrigation systems designs, landscape dept, industrial & construction division, inventory, purchasing, equipment and employees
- Installation / Pump / Filtration Manager** 1982 – 1986 IPD, Inc Hughson, CA  
Managed and designed pumps, filters, for irrigation systems, and scheduled employees and equipment for the work as needed

### Education

- Oakdale Union High school Oakdale, CA  
Graduated with college prep and engineering studies
- Modesto Junior College Modesto, CA  
General education with agriculture engineering background.
- Cal Poly University San Luis Obispo, CA  
Filtration and Micro Irrigation Courses, Flood and Furrow Irrigation courses

### Other

- Taught "Irrigations Class" at Modesto Junior College, 3 years,  
Own and still Farm a walnut orchard for the last 45 years

### **Company Experience**

Golden State Irrigation & Pump Services specializes in all types of Irrigation, Filter, and Pump Systems from the design stage to actual construction. Our team, with over 300 combined years of experience, has designed and installed thousands of acres of turnkey systems. We are partnered with the leading manufacturers in our industry to insure the most effective and efficient Pump, Filter and Irrigation Systems.

### **Licenses & Certifications**

California State Contractors Licenses, "A", "C-61",  
IA Certified Irrigation Designer  
Berkeley, Gould, and Franklin, Pump School Certificates  
OSHA / Hazwoper / Confined Space Certified  
Bermann and Nelsen Valve trained  
Water treatment certification  
Cal Poly Irrigation and Filtration Short Certificates  
Lakos Media Filter Certificate

## **SYNOPSIS of PROJECT**

This project consists of two separate project areas for groundwater recharge. Water will be supplied from the Cosumnes River to flood across the acreage for maximum efficiency to increase the groundwater along the river during the spring and summer and fall. The system is designed to divert 6000 AF of water, or 22,350gpm total for the sites. The two project sites will operate independently of each other. (see attached designs)

### Field Site 1 Teichart Ranch

This site is approximately 785 acres of planted grapes spaced at 10ft x 6ft. New PVC underground pipes will be installed along the south edge of the property with Mainline shut off valve to isolate the existing pump from the future pump. 4ea 18" overflow valves will be installed at each roadway to supply water to the end of the field. Water will be supplied from and existing 100hp lift pump, with the provision for a second pump. When the second pump is added the system will be capable of supplying 4000 acre/feet or 14,000gpm of water in 60 days.

### Field Site 2 Rooney Ranch

This site is approximately 376 acres of planted grapes spaced at 10ft x 6ft. New PVC underground pipes will be installed along the south edge of the property with Mainline shut off valve to isolate the existing pump from the future pump. 2ea 18" overflow valves will be installed at each roadway to supply water to the end of the field. Water will be supplied from centrifugal pump and electrical service. The pump has been designed using the existing 12" pipe and foot valve from the river, (if the pipe and foot valve is not in good working condition, other means will have to be contracted.) Provisions for a second future pump east of the existing pump have been added.

### Field Site 3 Mosher Property

This site is approximately 89 acres of open ground. 1ea 18" overflow valve will be installed at the south east corner to supply water to the end of the field. Water will be supplied from the same centrifugal pump and electrical service as in site 2.

### Field Site 2 and 3

When the second pump is added the system will be capable of supplying 2000 acre/feet or 3,465gpm of water in 60 days added)

	<u>Rooney</u>	<u>Teichert</u>
a. System Design	2,000.00	2,000.00
b. Mobilization and Demobilization	25,000.00	25,000.00
c. Diversion Point Rehabilitation	0.00	0.00
d. Pump, VFD Controls and Associated Equip	31,284.87	0.00
e. Power Connection (does not include "SMUD")	1,050.00	0.00
f. Pump Installation	11,791.22	0.00
g. System Installation	38,056.41	49,589.80
h. Pipe and Fittings	121,254.87	174,345.54
i. Meter and Valves	1,446.78	5,073.34
SUB TOTAL	231,884.15	256,008.68

TOTAL for BOTH \$487,892.83

Cost of 10" Aluminum Ring lock pipe with 36" spaced gates \$987.50 per 1000ft  
(includes tax and freight)

Cost of 16" Poly pipe with gates for spacing at 36" \$1,362.25 per 1000ft  
(includes tax and freight)

### References

#### Bypass Farms

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#### Van Ryn Brothers

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#### Flood Road Ranch

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