



# Koch California Ltd.

662 Eucalyptus Road, P.O. Box 1127  
Nipomo, CA 93444

Phone: (805) 929-4153  
Fax: (805) 929-5598  
Email: kochcal@earthlink.net

September 16, 1999

CITY OF PISMO BEACH

Michael Fuson, City Manager  
The City of Pismo Beach  
760 Mattie Road  
Pismo Beach, CA 93449

SEP 17 1999

RECEIVED  
CITY CLERK

(805) 773-4657 Phone  
(805) 773-7006 Phone

## Re: **Request to Inspect and Copy Public Records**

Dear Michael Fuson:

This letter is a request to inspect public records which are in the possession of the **CITY OF PISMO BEACH** pursuant to the California Public Records Act (Govt. Code §6250, et seq.). **Following the inspection, we may request copies** of some or all of the records. In the event we request copying by the **CITY OF PISMO BEACH** we will, at that time, tender any required copying charges. However, we reserve the right to have copies of the records made at your location by an independent copying service of our choosing.

Please make the records available for inspection beginning on **October 8<sup>th</sup>, 1999 at 10:00 a.m.** Unless we are notified otherwise, we shall expect that the records will be available for inspection in the **CITY OF PISMO BEACH** office. The following is a list of the reasonably identifiable public records which we desire to inspect on or after **October 8<sup>th</sup>, 1999 at 10:00 a.m.**

1. **All "Well Completion Reports" for each water well owned and/or operated by CITY OF PISMO BEACH.**
2. **For any water well for which a Well Completion Report is not in the possession of CITY OF PISMO BEACH, such other documents as are in the possession of CITY OF PISMO BEACH which show any of the following information: a) the well location, b) the name and address of the well driller, c) the date the well was completed, d) depth to first water below surface e) total depth of completed well.**
3. **Documents which show the amount of water produced from each water well owned and/or operated by CITY OF PISMO BEACH for each month from the completion of the well through to July 31<sup>st</sup> 1999.**
4. **All reports of hydraulic test results for each water well owned and/or operated by CITY OF PISMO BEACH, for the period beginning with the construction of the each well and ending July 31, 1999, which show any of the following information: a) standing water level, b)**

**pumping water level, c) pumping amount, capacity or GPM.**

- 5. All reports created during repair or maintenance of CITY OF PISMO BEACH wells with a measure of: a) standing water level, b) pumping water level, c) pumping capacity or GPM during pumping water levels (such as those commonly found on Floyd wells or other contractor's Invoice, Repair order Invoice, or Well Drilling logs etc.) for the period beginning with the construction of the each well and ending July 31, 1999.**

If a portion of the information contained in the records we have requested is exempt from disclosure by express provisions of law, Govt. Code §6254 requires segregation and deletion of that material in order that the remainder of the information may be released.

Please take note that Govt. Code §6256 requires the **CITY OF PISMO BEACH** to determine, within ten (10) days after receipt of this request, whether the **CITY OF PISMO BEACH** will comply with this request. If the **CITY OF PISMO BEACH** decides not to comply with all or any portion of this request, Govt. Code §6256 requires notification to us of the reasons for the determination not later than ten (10) days from your receipt of this request. Further, Govt. Code §6256.2 prohibits the use of any provision of the Public Records Act to delay access for the purposes of inspecting public records. Govt. Code §6256.2 also requires that any notification of denial of this request for records must set forth the names and titles or positions of each person responsible for the denial.

Thank you for your timely attention to our request.



John Snyder  
Vice President



**City of Pismo Beach**  
**760 Mattie Road**  
**Pismo Beach, CA 93449**  
**(805)773-4657 Fax: (805) 773-7006**

September 29, 1999

Mr. John Snyder, Vice President  
Koch California Ltd.  
662 Eucalyptus Road  
P.O. Box 1127  
Nipomo, CA 93444

Re: Request to Inspect and Copy Public Records

Dear Mr. Snyder:

My office received your request to inspect and copy records on September 17, 1999. I apologize for the delay in getting back to you. Your request has been forwarded to the pertinent staff.

Pursuant to the Public Records Act, we are requesting a 10-day extension on complying with the request. I will call you as soon as the records are available for inspection at City Hall.

There will be a charge for copies but no charge for viewing the documents. The charge is 75 cents for the first page and 20 cents for each page after that, plus clerical staff time to copy at an hourly rate of approx. \$10.00.

If you have any questions, please let me know.

Sincerely,

A handwritten signature in cursive script that reads "Sharon Jones".

Sharon Jones  
City Clerk

cc: File



# Koch California Ltd.

662 Eucalyptus Road, P.O. Box 1127  
Nipomo, CA 93444

*cc: City Clerk  
D. Belzeit  
R. Rogers*

Phone: (805) 929-4153  
Fax: (805) 929-5598  
Email: kochcal@earthlink.net

September 16, 1999

Michael Fuson, City Manager  
The City of Pismo Beach  
760 Mattie Road  
Pismo Beach, CA 93449

CITY OF PISMO BEACH

SEP 17 1999

*Hand  
delivered*

RECEIVED  
CITY CLERK

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3. Documents which show the amount of water produced from each water well owned and/or operated by CITY OF PISMO BEACH for each month from the completion of the well through to July 31<sup>st</sup> 1999.
4. All reports of hydraulic test results for each water well owned and/or operated by CITY OF PISMO BEACH, for the period beginning with the construction of the each well and ending July 31, 1999, which show any of the following information: a) standing water level, b)

**pumping water level, c) pumping amount, capacity or GPM.**

- 1 All reports created during repair or maintenance of CITY OF PISMO BEACH wells with a measure of: a) standing water level, b) pumping water level, c) pumping capacity or GPM during pumping water levels (such as those commonly found on Floyd wells or other contractor's Invoice, Repair order Invoice, or Well Drilling logs etc.) for the period beginning with the construction of the each well and ending July 31, 1999.**

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Please take note that Govt. Code §6256 requires the **CITY OF PISMO BEACH** to determine, within ten (10) days after receipt of this request, whether the **CITY OF PISMO BEACH** will comply with this request. If the **CITY OF PISMO BEACH** decides not to comply with all or any portion of this request, Govt. Code §6256 requires notification to us of the reasons for the determination not later than ten (10) days from your receipt of this request. Further, Govt. Code §6256.2 prohibits the use of any provision of the Public Records Act to delay access for the purposes of inspecting public records. Govt. Code §6256.2 also requires that any notification of denial of this request for records must set forth the names and titles or positions of each person responsible for the denial.

Thank you for your timely attention to our request.



John Snyder  
Vice President

# Arroyo Water Well Supply

Sales & Service of Complete Water Systems

CONTRACTORS LICENSE NO. 475150

P.O. Box 157 • Arroyo Grande, California 93420  
936 Huber Street • Grover City, California 93433  
(805) 489-2258

FEB. 8, 1990

CITY OF PISMO BEACH  
1000 BELLO AVE.  
PISMO BEACH, CALIF. 93449

RE: ABANDONMENT OF 4 WELLS

REMOVE PUMPS	\$3,850.00
BACKFILL WELLS TO 25'	500.00
4-20' CEMENT SEALS	1,000.00
EXCAVATE & CUT OFF CASING	1,000.00
DEMOLITION & REMOVAL OF BUILDINGS & PADS	2,500.00
DUMP FEES	<u>1,500.00</u>
	\$10,350.00

*Thomas C. Ralph*

THOMAS C. RALPH, PRES.

ARROYO WATER WELL SUPPLY

*Jim,*

2-12-90

wner

*Attached is an estimate  
to abandon according to Cal. state  
standards the (4) old well  
sites. Also attached is the  
water well Drillers report for  
well No #12. No. 8th st. 3-52K*

*Pat*

Coast-to-Coast  
Analytical  
Services

141 Suburban Road  
San Luis Obispo, CA 93401  
(805) 543-2553  
(805) 543-2685 FAX

751 S. Kelly Rd. Ste A  
Goleta, CA 93117  
(805) 964-7838  
(805) 967-4386 FAX

1885 N. Kelly Rd.  
Napa, CA 94558  
(707) 257-7211  
(707) 226-1001 FAX

### SAMPLE CHAIN OF CUSTODY

SUBMITTED BY:					CONTACT NAME				
COMPANY City of Pismo Beach					Attn Rusty Garing				
ADDRESS 000 Bello St. Pismo Beach CA					PHONE 439-1321 or 773 4656				
PROJECT # PB89-083		PROJECT NAME Arroyo Grande Basin Testwell			ANALYSIS REQUESTED				
SAMPLER (Print & Sign Name) Rusty Garing Rusty Garing									
CCAS LAB #	SAMPLE IDENTIFICATION (ID #, location, matrix)	DATE/TIME COLLECTED	# OF ITEMS	PRESERVE	Fe	Mn	NO3	TDS	Genmin
36 39 91-1	-200'	2/10/90 7:35A	2		X	X	X	X	
-4	-265'	2/10/90 5:45A	4		→				X
-2	-335'	2/10/90 2:40A	2		X	X	X	X	
-3	-420'	2/9/90 11:00P	2		X	X	X	X	
-5	-475'	2/9/90 7:00P	4		→				X
REMARKS:									
3 day RUSH Due 2-14-90									
SAMPLE RELINQUISHED BY:				DATE/TIME	RECEIVED BY:				
Rusty Garing				2/10/90 11 AM	Kullie Floyd rec'd intact				

Ⓜ COC1.WR1/8806

Central  
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Water, & Hazardous Waste Sampling, Analysis, & Consultation  
State Certified Hazardous Waste, Chemistry, & Bacteriology Laboratories

141 Suburban Road, Suite C-4  
San Luis Obispo, Ca 93401  
Fax (805) 543-2685  
(805) 543-2553

6483-D Calle Real  
Goleta, CA 93117  
Fax (805) 976-4386  
(805) 964-7838

TITLE 22 CHEMICAL ANALYSES

Date of Report February 14, 1990		Lab Sample ID Number G-0541-1	
Laboratory Name Central Coast Analytical Services		Signature Lab Director <i>Mary Hawlicek</i>	
Name of Sampler Rusty Garing		Sampler Employed By City of Pismo Beach	
Date/Time Sample Collected February 10, 1990 @ 0735	Date/Time Sample Received at Lab. February 10, 1990 @ 1100	Were Holding Times Observed? Yes	
System Name City of Pismo Beach			System Number
Description of Sampling Point PB89-083, Arroyo Grande Basin Test Well, 200 ft., Drinking Water			
Name/Number of Sample Source		Station Number	
Date and Time of Sample 9   0   0   2   1   0   0   7   3   5 Y   Y   M   M   D   D   T   T   T   T		Water Type G G/S	User ID 
Submitted to SWQIS By			

MCL Reporting Units	Constituent	T T	Storet Code	Analyses Results
	Analyzing Agency (Laboratory)		28	3   7   5   9
mg/L	Total Hardness (as CaCO3)		900	
mg/L	Calcium (Ca)		916	
mg/L	Magnesium (Mg)		927	
mg/L	Sodium (Na)		929	
mg/L	Potassium (K)		937	
Total Cations	meq/L Value:			

mg/L	Total Alkalinity (as CaCO3)		410	
mg/L	Hydroxide (OH)		71830	
mg/L	Carbonate (CO3)		445	
mg/L	Bicarbonate (HCO3)		440	
mg/L +	Sulfate (SO4)		945	
mg/L +	Chloride (Cl)		940	
45 mg/L	Nitrate (NO3)		71850	1   8
1.4-2.4 mg/L	Fluoride (F) Temp. Depend.		951	
Total Anions	meq/L Value:			

Std Units	pH (Laboratory)		403	
** umho/cm +	Specific Conductance (E.C.)		95	
*** mg/L +	Total Filterable Residue at 180° C (TDS)		70300	7   7   0
UNITS	Apparent Color (Unfiltered)		81	
TON	Odor Threshold at 60° C		86	
NTU	Lab Turbidity		82079	
0.5 mg/L +	MBAS		38260	

\* 250-500-600

\*\* 900-1600-2200

\*\*\* 500-1000-1500



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TITLE 22 CHEMICAL ANALYSES

Date of Report February 13, 1990		Lab Sample ID Number G-0541-4	
Laboratory Name Central Coast Analytical Services		Signature Lab Director <i>Mark Kaulicik</i>	
Name of Sampler Rusty Garing		Sampler Employed By City of Pismo Beach	
Date/Time Sample Collected February 10, 1990 @ 0545	Date/Time Sample Received at Lab. February 10, 1990 @ 1100	Were Holding Times Observed? Yes	
System Name City of Pismo Beach			System Number
Description of Sampling Point PB89-083, Arroyo Grande Basin Test Well, 265 ft., Drinking Water			
Name/Number of Sample Source		Station Number	
Date and Time of Sample 9   0   0   2   1   0   0   5   4   5 Y   Y   M   M   D   D   T   T   T   T	Water Type G G/S	User ID	Submitted to SWQIS By

MCL Reporting Units	Constituent	T T	Storet Code	Analyses Results
	Analyzing Agency (Laboratory)		28	3   7   5   9
mg/L	Total Hardness (as CaCO3)		900	4   9   0
mg/L	Calcium (Ca)		916	1   2   0
mg/L	Magnesium (Mg)		927	4   8
mg/L	Sodium (Na)		929	4   8
mg/L	Potassium (K)		937	1   5
Total Cations	meq/L Value:		12.3	

mg/L	Total Alkalinity (as CaCO3)		410	3   0   0
mg/L	Hydroxide (OH)		71830	<   1
mg/L	Carbonate (CO3)		445	<   1
mg/L	Bicarbonate (HCO3)		440	3   7   0
mg/L +	Sulfate (SO4)		945	2   3   0
mg/L +	Chloride (Cl)		940	5   4
45 mg/L	Nitrate (NO3)		71850	3
1.4-2.4 mg/L	Fluoride (F) Temp. Depend.		951	0
Total Anions	meq/L Value:		12.4	0   8

Std Units	pH (Laboratory)		403	7   0
** umho/cm +	Specific Conductance (E.C.)		95	1   1   0   0
*** mg/L +	Total Filterable Residue at 180° C (TDS)		70300	8   7   0
UNITS	Apparent Color (Unfiltered)		81	
TON	Odor Threshold at 60° C		86	
NTU	Lab Turbidity		82079	
0.5 mg/L +	MBAS		38260	<   0   0   2

\* 250-500-600

\*\* 900-1600-2200

\*\*\* 500-1000-1500

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TITLE 22 CHEMICAL ANALYSES

Date of Report February 14, 1990		Lab Sample ID Number G-0541-2	
Laboratory Name Central Coast Analytical Services		Signature Lab Director <i>Mary Harlick</i>	
Name of Sampler Rusty Garing		Sampler Employed By City of Pismo Beach	
Date/Time Sample Collected February 10, 1990 @ 0240	Date/Time Sample Received at Lab. February 10, 1990 @ 1100	Were Holding Times Observed? Yes	
System Name City of Pismo Beach			System Number
Description of Sampling Point PB89-083, Arroyo Grande Basin Test Well, 335 ft., Drinking Water			
Name/Number of Sample Source		Station Number	
Date and Time of Sample 9   0   0   2   1   0   C   2   4   0 Y   Y   M   M   D   D   T   T   T   T		Water Type G G/S	User ID 
Submitted to SWQIS By			

MCL Reporting Units	Constituent	T T	Storet Code	Analyses Results
	Analyzing Agency (Laboratory)		28	3   7   5   9
mg/L	Total Hardness (as CaCO3)		900	
mg/L	Calcium (Ca)		916	
mg/L	Magnesium (Mg)		927	
mg/L	Sodium (Na)		929	
mg/L	Potassium (K)		937	
Total Cations	meq/L Value:			

mg/L	Total Alkalinity (as CaCO3)		410	
mg/L	Hydroxide (OH)		71830	
mg/L	Carbonate (CO3)		445	
mg/L	Bicarbonate (HCO3)		440	
mg/L +	Sulfate (SO4)		945	
mg/L +	Chloride (Cl)		940	
45 mg/L	Nitrate (NO3)		71850	< 0 . 4
1.4-2.4 mg/L	Fluoride (F) Temp. Depend.		951	
Total Anions	meq/L Value:			

Std Units	pH (Laboratory)		403	
umho/cm +	Specific Conductance (E.C.)		95	
mg/L +	Total Filterable Residue at 180° C (TDS)		70300	6   5   0
UNITS	Apparent Color (Unfiltered)		81	
TON	Odor Threshold at 60° C		86	
NTU	Lab Turbidity		82079	
0.5 mg/L +	MBAS		38260	

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TITLE 22 CHEMICAL ANALYSES

Date of Report February 14, 1990		Lab Sample ID Number G-0541-3	
Laboratory Name Central Coast Analytical Services		Signature Lab Director <i>Manuel S. Lopez</i>	
Name of Sampler Rusty Garing		Sampler Employed By City of Pismo Beach	
Date/Time Sample Collected February 10, 1990 @ 2300	Date/Time Sample Received at Lab. February 10, 1990 @ 1100	Were Holding Times Observed? Yes	
System Name City of Pismo Beach			System Number
Description of Sampling Point PB89-083, Arroyo Grande Basin Test Well, 420 ft., Drinking Water			
Name/Number of Sample Source		Station Number	
Date and Time of Sample 9   0   0   2   1   0   2   3   0   0 Y   Y   M   M   D   D   T   T   T   T		Water Type G G/S	User ID 
Submitted to SWQIS By			

MCL Reporting Units	Constituent	T T	Storet Code	Analyses Results
	Analyzing Agency (Laboratory)		28	3   7   5   9
mg/L	Total Hardness (as CaCO3)		900	
mg/L	Calcium (Ca)		916	
mg/L	Magnesium (Mg)		927	
mg/L	Sodium (Na)		929	
mg/L	Potassium (K)		937	
Total Cations	meq/L Value:			

mg/L	Total Alkalinity (as CaCO3)		410	
mg/L	Hydroxide (OH)		71830	
mg/L	Carbonate (CO3)		445	
mg/L	Bicarbonate (HCO3)		440	
mg/L +	Sulfate (SO4)		945	
mg/L +	Chloride (Cl)		940	
45 mg/L	Nitrate (NO3)		71850	< 0 . 4
1.4-2.4 mg/L	Fluoride (F) Temp. Depend.		951	
Total Anions	meq/L Value:			

Std Units	pH (Laboratory)		403	
** umho/cm +	Specific Conductance (E.C.)		95	
*** mg/L +	Total Filterable Residue at 180° C (TDS)		70300	5   8   0
UNITS	Apparent Color (Unfiltered)		81	
TON	Odor Threshold at 60° C		86	
NTU	Lab Turbidity		82079	
0.5 mg/L +	MBAS		38260	

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TITLE 22 CHEMICAL ANALYSES

Date of Report February 13, 1990		Lab Sample ID Number G-0541-5	
Laboratory Name Central Coast Analytical Services		Signature Lab Director <i>Mary Hawlicek</i>	
Name of Sampler Rusty Garing		Sampler Employed By City of Pismo Beach	
Date/Time Sample Collected February 9, 1990 @ 1900	Date/Time Sample Received at Lab. February 10, 1990 @ 1100	Were Holding Times Observed? Yes	
System Name City of Pismo Beach			System Number
Description of Sampling Point PB89-083 Arroyo Grande Basin Test Well, 475 ft., Drinking Water			
Name/Number of Sample Source		Station Number	
Date and Time of Sample 9   0   0   2   0   9   1   9   0   0 Y   Y   M   M   D   D   T   T   T   T		Water Type G G/S	User ID
Submitted to SWQIS By			

MCL Reporting Units	Constituent	T T	Storet Code	Analyses Results
	Analyzing Agency (Laboratory)		28	3   7   5   9
mg/L	Total Hardness (as CaCO3)		900	4   7   0
mg/L	Calcium (Ca)		916	1   1   0
mg/L	Magnesium (Mg)		927	4   6
mg/L	Sodium (Na)		929	4   7
mg/L	Potassium (K)		937	1   4
Total Cations	meq/L Value:		11.6	

mg/L	Total Alkalinity (as CaCO3)		410	3   5   0
mg/L	Hydroxide (OH)		71830	<   1
mg/L	Carbonate (CO3)		445	<   1
mg/L	Bicarbonate (HCO3)		440	4   3   0
mg/L +	Sulfate (SO4)		945	1   7   0
mg/L +	Chloride (Cl)		940	2   8
45 mg/L	Nitrate (NO3)		71850	<   0
1.4-2.4 mg/L	Fluoride (F) Temp. Depend.		951	0     4
Total Anions	meq/L Value:		11.4	0     6

Std Units	pH (Laboratory)		403	6   7
umho/cm +	Specific Conductance (E.C.)		95	1   0   0   0
mg/L +	Total Filterable Residue at 180° C (TDS)		70300	6   7   0
UNITS	Apparent Color (Unfiltered)		81	
TON	Odor Threshold at 60° C		86	
NTU	Lab Turbidity		82079	
0.5 mg/L +	MBAS		38260	<   0     10   2

\* 250-500-600

\*\* 900-1600-2200

\*\*\* 500-1000-1500

## DEPARTMENT OF HEALTH SERVICES

Public Water Supply Branch

P.O. Box 4339

Santa Barbara, CA 93140-4339

(805) 963-8616



February 5, 1990

RECEIVED

FEB 1990

CITY OF PISMO BEACH  
PUBLIC SERVICESCity of Pismo Beach  
Water Department  
P.O. Box 3  
Pismo Beach, CA 93449Attention: Mr. Jim Ashcraft  
Director of Public Works

PERMIT AMENDMENT 03-90-000

Application of the City of Pismo Beach, dated December 20, 1989, has been considered by the State Department of Health Services. The application was made in accordance with Section 4019 of the California Health and Safety Code. Enclosed is a copy of an engineering report, dated February 2, 1990, prepared by the Office of Drinking Water, regarding your application.

It is the Finding of the State Department of Health Services that Sections 4010 to 4039.5, inclusive, of the California Health and Safety Code can be met by the water system. This finding is based on the cited report. A domestic water supply permit amendment is hereby granted to the City of Pismo Beach to construct two wells and treatment facilities to serve domestic water to consumers in the City of Pismo Beach and environs, subject to the following provisions:

1. Final plans and specifications for the proposed improvements shall be submitted to the Department of Health Services for approval prior to construction.
2. The State Department of Health Services shall be notified of the completion of the improvements to determine conformance with the approved plans.
3. Prior to using the new wells, bacteriological and complete chemical analysis of the water produced, including general mineral, volatile organics, Title 22 organics, inorganics, general physical, and radioactivity, shall be submitted to the State Department of Health Services, Santa Barbara District Office, to determine compliance with the California Drinking Water Standards. The analyses shall be made by an approved laboratory and shall be submitted on state approved forms.

4. The wells shall be equipped with reliable chlorination facilities and if the water quality does not comply with the California Domestic Water Quality and Monitoring Regulations, additional treatment, including iron and manganese removal filtration facilities, hydrogen sulfide treatment, nitrate blending or treatment facilities, etc., shall be provided to bring the water quality into compliance. The plans and specifications for the proposed treatment facilities shall be submitted to the State Department of Health Services, Santa Barbara District office for review and approval prior to construction.
5. Prior to using the wells the City shall obtain and submit to the Department of Health Services State Well Numbers, a quadrangle map showing the location of the wells, the latitude and longitude of the wells, copies of the geologic State Well Driller's Logs, a completed well data form (form attached) and a plot plan of the well sites showing all sources of contamination within 200 feet of the wells (example attached).
6. The treatment facilities shall be operated by personnel who have been certified in accordance with the Regulations Relating to Certification of Water Treatment Facility Operation, California Code of Regulations, Title 17.

This permit amends and adds to the existing domestic water supply permit previously granted to the City of Pismo Beach on February 3, 1984. If you have any questions regarding this permit, please call Mr. John Curphey, District Sanitary Engineer, at (805) 963-8616.

Sincerely,



T. J. Gannon, P.E., Chief  
Central California Region  
Office of Drinking Water

Enclosure

cc: San Luis Obispo County Environmental Health

AP290.JNC

## DEPARTMENT OF HEALTH SERVICES



Public Water Supply Branch  
P.O. Box 4339  
Santa Barbara, CA 93140-4339  
(805) 963-8616

Engineering Report  
For Consideration of the Permit  
Application From  
CITY OF PISMO BEACH  
Serving Pismo Beach  
San Luis Obispo County  
February 2, 1990

Office of Drinking Water  
State Department of Health Services  
John Curphey, District Sanitary Engineer

The City of Pismo Beach, by application dated December 20, 1989, has applied for a permit to drill and operate two new wells at their Grover City well field to serve the City of Pismo Beach water system. The City of Pismo Beach's system and operation are described in a Sanitary Engineering Report, dated October 12, 1983. Based on that report, the City was granted a domestic water permit on February 3, 1984. No significant change in the system's facilities or operation has occurred since that date.

The City plans to drill and construct two new wells along with the necessary treatment facilities to supplement the City of Pismo Beach water system. The wells will be located at the City of Pismo Beach's Grover City well field and will be located at least 50 feet from the nearest sewers and at least 100 feet from sewage disposal facilities. The well construction will comply with California Water Well Standards, DWR Bulletin No. 74-81. Chemical analyses of the existing well water in the area demonstrates that the water quality complies with California Drinking Water Standards except for nitrates, iron, manganese, and hydrogen sulfide. The City will need to provide nitrate blending facilities and an iron and manganese removal filtration plant if the well water contains excess nitrates, iron or manganese. The City will need to submit a time schedule for the construction of the facilities. The well treatment facility will incorporate reliable chlorination facilities.

Issuance of a domestic water supply permit by the State Department of Health Services to the City of Pismo Beach is recommended, subject to the following provisions:

1. Final plans and specifications for the proposed improvements shall be submitted to the Department of Health Services for approval prior to construction.
2. The State Department of Health Services shall be notified of the completion of the improvements to determine conformance with the approved plans.
3. Prior to using the new wells, bacteriological and complete chemical analysis of the water produced, including general mineral, volatile organics, Title 22 organics, inorganics, general physical, and radioactivity, shall be submitted to the State Department of Health Services, Santa Barbara District Office, to determine compliance with the California Drinking Water Standards. The analyses shall be made by an approved laboratory and shall be submitted on state approved forms.
4. The wells shall be equipped with reliable chlorination facilities and if the water quality does not comply with the California Domestic Water Quality and Monitoring Regulations, additional treatment, including iron and manganese removal filtration facilities, hydrogen sulfide treatment, nitrate blending or treatment facilities, etc., shall be provided to bring the water quality into compliance. The plans and specifications for the proposed treatment facilities shall be submitted to the State Department of Health Services, Santa Barbara District office for review and approval prior to construction.
5. Prior to using the wells the City shall obtain and submit to the Department of Health Services State Well Numbers, a quadrangle map showing the location of the wells, the latitude and longitude of the wells, copies of the geologic State Well Driller's Logs, a completed well data form (form attached) and a plot plan of the well site showing all sources of contamination within 200 feet of the wells (example attached).
6. The treatment facilities shall be operated by personnel who have been certified in accordance with the Regulations Relating to Certification of Water Treatment Facility Operation, California Code of Regulations, Title 17.



STATE OF CALIFORNIA

DEPARTMENT OF HEALTH SERVICES

Application from The City of Pismo Beach

To the Department of Health Services  
Sanitary Engineering Branch  
714 P Street  
Sacramento, CA 95814

Pursuant and subject to all of the terms, conditions and provisions of Division 5, Part 1, Chapter 7, Water and Water Systems of the California Health and Safety Code and all amendments thereto, relating to domestic water supplies, application is hereby made for a permit to Develop

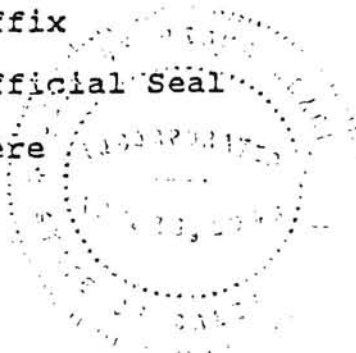
two production wells on an easement owned by the City of Pismo Beach at Lot 29, Pismo Beach  
Applicant must state specifically what is being applied for-whether to construct new works, to use existing works, to  
Grover City, California. Depending on water quality found, the wells may be blended with  
make alterations or additions in works or sources. Note Section 4012, H&S Code regarding information to be submitted  
each other or the existing Well #5, located across from Grover City Hall. An existing  
with application. Additional sheets may be attached.  
pipeling will be utilized.

Dated Dec. 20, 1989

Affix

Official Seal

Here



By Jim Ashcraft

Title City Engineer, Director of Public Works

Address 1000 Bello Street

Pismo Beach, CA 93449

State of California  
DEPARTMENT OF HEALTH SERVICES



WELL DATA

System Name : \_\_\_\_\_ No. \_\_\_\_\_

Source of Information : \_\_\_\_\_

Collected by : \_\_\_\_\_ Date : \_\_\_\_\_

Number or Name		
Date Drilled		
State Well No.		
Neighborhood		
Lot size		
Distance to: Sewer		
Sewage disposal		
Abandoned well		
Property line		
Plot Plan on file?		

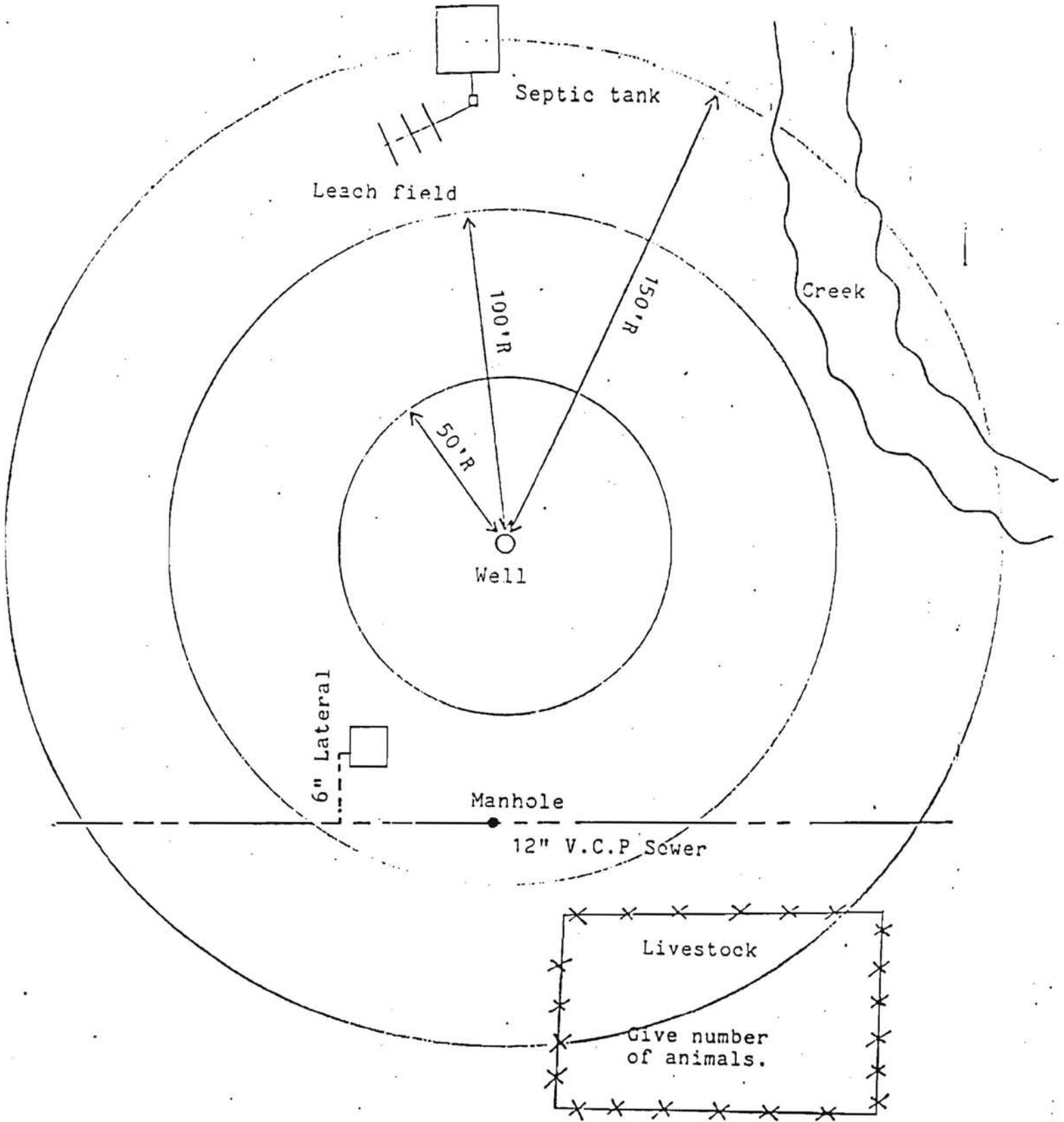
Housing: Type		
Pit depth		
Floor material		
Drainage		

Well Depth		
Casing: Depth(s)		
Diameter(s)		
Type		
Height above floor		
Dist. to perforation		
Surface sealed?		
Gravel packed?		
Conductor casing depth		
Conductor casing dia .		
Annular seal depth		
Impervious strata:		
Thickness		
Depth to		
Well log on file?		

Water levels: Static		
Pumping		
Depth to Bowls		
Pump: Make		
Type		
Capacity (gpm)		
Lubrication		
Power		
Auxiliary power		
Control		
Frequency of use		
Discharge location		
Discharge to		
Pump to Waste?		
Flood Hazard		
Remarks and defects		

1/1/88

- Well Plot Plan



PURCHASE ORDER

CITY OF PISMO BEACH

2030

Clam Capital of the World

P. O. Box 3

Pismo Beach, Calif. 93449

To Floyd V. Wells, Inc.  
1337 W. Betteravia Rd.  
Santa Maria, CA 93455

Date February 4, 1991

Deliver to

Department Public Works

Address

(UNLESS OTHERWISE STATED ALL PRICES F.O.B. DESTINATION)

QUANTITY	UNIT	DESCRIPTION	ACCOUNT TO BE CHARGED	UNIT PRICE	AMOUNT
1		Abandon well at 354 N. 8th St. Grover City	18-4432-240		1700.00
		Abandon additional well (1) found in Huber Well Field, Grover City			895.00
		* not to exceed			

Total Amount \$ 2,595.00\*\*

SUBJECT TO CONDITIONS PRINTED BELOW.  
DO NOT ACCEPT THIS ORDER UNLESS IT IS SIGNED BELOW.

I HEREBY CERTIFY THAT THIS ORDER IS AUTHORIZED BY A PROPERLY EXECUTED AND APPROVED REQUISITION.

Request of Jim Ashcraft

/s/ R. Kirkwood

TERMS and CONDITIONS

Purchasing Agent

1. Mail your invoice to the Purchasing Office, City Hall, Pismo Beach, Calif. INVOICE MUST INCLUDE PURCHASE ORDER NUMBER.

2. All packages, cartons, or other containers must be plainly marked with the Purchase Order Number.

# DECHANCE CONSTRUCTION COMPANY

Utility Pipeline Contractor  
Post Office Box 275, Arroyo Grande, CA 93420  
License No. 506505 - (805) 489-7310

## STATEMENT

City of Pismo Beach  
1000 Bello Ave.  
Pismo Beach, Ca. 93449

January 22, 1991

RE: 8" Well Discharge Piping  
5th Street - Grover City

RECEIVED  
JAN 30 1991

CITY OF PISMO BEACH

Purchase Order # 1991 -	\$ 6,420.00
Purchase Order # 1992 - 4 days @ \$696.00	2,768.00
Extra Work -	<u>276.00</u>
TOTAL AMOUNT DUE -	\$ 9,464.00

OK to pay - Russell S. Daring

### NOTICE

"Under the Mechanics' Lien Law (Calif. Code of Civil Procedure Section 1181 et seq.), any contractor, subcontractor, laborer, supplier or other person who helps to improve your property but is not paid for his work or supplies, has a right to enforce claim against your property. This means that, after a court hearing, your property could be sold by a court officer and the proceeds of the sale used to satisfy the indebtedness. This can happen even if you have paid your own contractor in full, in the subcontractor, laborer, or supplier remains unpaid."

Contractors are required by law to be licensed and regulated by the Contractors' State License Board. Any questions concerning a contractor may be referred to the registrar of the board whose address is:

Contractors' State License Board  
1020 "N" Street  
Sacramento, California 95814

CITY OF PISMO BEACH, CALIFORNIA

Public Services Department

Planning Department

Building Department

Engineering Department

Public Works Department

Parks and Recreation Department



CITY HALL

1000 BELLO ST. • P.O. BOX 3

PISMO BEACH, CALIFORNIA 93449

TELEPHONE 805/773/4656

805/773/4658

January 8, 1990

Mr. Arnold Dowdy  
City Administrator  
City of Grover City  
P.O. Box 365  
Grover City, CA 93433

Subject: Construction of Peaking Well on City's Old Huber Street  
Well Field

Dear Mr. Dowdy:

This letter is a follow-up of my November 13, 1989 letter in which I informed you that the City plans to construct a new peaking well on the site of the City's old Huber Street well field. In my November 13, 1989 letter, I mentioned that we would be sending for your information a copy of the site plan for the construction of the well, and that is attached herewith for your reference.

I also mentioned in my letter that we would be obtaining a permit from the California State Health Department for the well drilling, and we have now obtained that permit.

Also attached is a letter dated January 8, 1990, to Mr. Alan Mills, the property owner, stating that the City does plan to abandon the three existing wells on the property if after well testing we do decide to develop a well on the property.

It is our hope to begin the test well drilling either at the end of this week or next week, therefore please contact me at your earliest convenience should you have further questions regarding this project.

Very truly yours,

A handwritten signature in dark ink, appearing to read "Richard Kirkwood", is written over the typed name.

Richard Kirkwood  
City Administrator

RK/JA/eb

Attachments



CITY OF PISMO BEACH, CALIFORNIA

LATE REPORT

CITY COUNCIL AGENDA SUMMARY

Approved 5:0

SUBJECT: APPROVAL OF EMERGENCY BID AWARD FOR THE TEST DRILLING OF PEAKING WELL

SUMMARY OF THE MATTER:

As Council was informed at our meeting of November 6, 1989 regarding the status of the City's water utility, we are in critical need of a peaking well to meet our summertime peak water demands.

Also as discussed in our November 6 report, staff now feels that the ideal location for a peaking well is at our old Huber Street well field in Grover City, and staff is asking for authority to drill and test pump a new peaking well as an emergency expenditure, and thereby waive the formal bidding process. The City must have the new peaking well on line in the May-June time frame of 1990, or face a more critical water conservation effort than what was proposed to City Council in the November 6, 1989 Status Report.

Section 20168 of Government Code authorizes the expenditure of funds exceeding \$5,000 without formal public bidding if by a four-fifths majority vote of the Council a resolution is passed declaring that the expenditure is in the public interest and necessity demanding the immediate expenditure of public money to safeguard life, health or property. The attached resolution has been prepared for Council's adoption for this expenditure.

Staff recommends the sum of \$20,000 be appropriated from our Water Depreciation Reserve into account 12-4430-340.

A well drilling contractor is scheduled to start work in the City of Arroyo Grande tomorrow, and staff has received preliminary indication that the contractor will extend his prices from the Arroyo Grande bid to the City, so the bid will still be a bid reflecting public bidding.

Continued on Page 2

RECOMMENDED ACTION:

THAT CITY COUNCIL ADOPT THE ATTACHED RESOLUTION, THEREBY APPROVING THE EMERGENCY BID FOR WELL DRILLING, AUTHORIZE THE MAYOR TO SIGN A QUIT CLAIM DEED RELEASING OUR CURRENT WELL EASEMENT TO FARROL INDUSTRIAL CENTER IN RETURN FOR THE SAME EASEMENT ON THE ADJACENT PARCEL, AND FURTHER APPROPRIATE THE SUM OF \$20,000 FROM OUR WATER DEPRECIATION RESERVE INTO ACCOUNT NO. 12-4430-340.

Account No. ( If not budgeted) 12-4430-340 (If budgeted)
Appropriation Requested \$20,000 Fund Name Water Depreciation Reser
Citizens Advised
Requested by Jim Ashcraft
Prepared by Jim Ashcraft
Coordinated with City Attorney
Meeting Date: January 8, 1990
Attachments Resolution
Approved by City Administrator Agenda Item No.

Approval of Emergency Bid Award for the Test Drilling of Peaking Well

January 8, 1990

Page 2

Additionally, the property owner at our old Grover City well field, Alan Mills representing Farrol Industrial Center, is requesting that the City move our well field from his Lot No. 28 to the adjacent Lot 29. Both of these lots are within the area of our original well field. Staff has no problem moving the easement, since Mr. Mills has stated that he will allow the City to utilize his entire property for the discharge water from the well testing. Staff therefore recommends that City Council authorize the mayor to execute a Quit Claim Deed giving our original easement back to Farrol Industrial Center in return for a new easement on the adjacent lot.



RESOLUTION NO. R-19-02

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PISMO BEACH DECLARING THAT THE PUBLIC INTEREST AND NECESSITY DEMAND THE IMMEDIATE EXPENDITURE OF PUBLIC MONEY FOR THE DRILLING OF A PEAKING WELL

WHEREAS, the City in our report dated November 6, 1989, documented that there is a critical need for a peaking well supply to meet the City's summertime water demands; and,

WHEREAS, if a new peaking well is not on line by early summertime of 1990, a critical health problem, as well as monetary loss in property values may be realized; and,

WHEREAS, Section 20168 of Government Code allows public agencies by a four-fifths vote to adopt of a resolution to declare that the immediate expenditure of funds are necessary to safeguard life, health or property.

NOW, THEREFORE, be it resolved that the City Council of the City of Pismo Beach hereby declares that it is in the public interest and necessity to demand the immediate expenditure of public funds for the test drilling of the City's new peaking well.

UPON MOTION of Councilmember \_\_\_\_\_, seconded by Councilmember \_\_\_\_\_, the foregoing resolution is hereby passed and adopted at a regular meeting of the City Council held this 8th day of January, 1990, on the following roll call vote, to wit:

AYES: \_\_\_\_\_

NOES: \_\_\_\_\_

ABSENT: \_\_\_\_\_

ABSTAIN: \_\_\_\_\_

\_\_\_\_\_  
DICK MORROW, MAYOR

ATTEST:

APPROVED AS TO FORM:

\_\_\_\_\_  
SHARON JONES  
CITY CLERK

\_\_\_\_\_  
A. J. SHAW, JR.  
CITY ATTORNEY

# City of Pismo Beach Peaking Well

Well Field at Griffin and Huber Sts  
 Casing, & Screen Schedule; 16"  
 Steel / SS screen

0-180 Blank	Blank = Carbon Steel
180-220 screen	Screen = Stainless Steel
220-240 Blank	
240-285 Screen	
285-315 Blank	
315-375 Screen	
375-395 Blank	

## 16 Inch Well

1. Demobilization	1 ea	1000	1000
2. 36" $\phi$ Borehole	30 LF	95	2850
3. 30" $\phi$ Conductor	30 LF	110	3300
4. Seal Conductor	4 CY	130	520
5. 28" $\phi$ Borehole	365 LF	65	23725
6. 16" $\phi$ SS screen	145 LF	223	32,335
7. 16" $\phi$ Carbon Steel Casing	250 LF	3326	8,315
8. Gravel Pack	<del>23 CY</del> 34 Ton	125	4,250
9. Seal Casing	20 CY	130	2,600
10. Install and Remove Pumping Equipment	385 LF	12	4,620
11. Development and Testing	72 hr.	110	7,920
12. Disinfect Well	LS		500

13. Gravel Fill Pipe, Sounding Tube & Well Cap.	LS		250
* 14. Centering Guide	20 Set	25	500
Total			\$ 72,685

12 Inch Well

1. Demobilization	LS		1,000
2. 30" $\phi$ Borehole	30 LF	85	2,550
3. 24" $\phi$ Conductor	30 LF	93	2,790
4. Seal Conductor	4 C.Y.	130	520
5. 20" $\phi$ Borehole	365 LF	56	20,440
6. 12" $\phi$ SS Screen	145 LF	176	25,520
7. 12" $\phi$ Carbon Steel casing	250 LF	26 <sup>80</sup>	6,640
8. Gravel Pack	17 Ton	125	2,125
9. Seal casing	10 C.Y.	130	1,300
10. Install and remove Pumping Equipment	385 LF	12	4,620
11. Development and Testing	72hr	110	7,920
12. Disinfect Well			
	L.S.		500
13. Gravel Fill Pipe, Sounding Tube & Well Cap	L.S.		250
			500
Total			\$ 76,675

14 \*



December 21, 1989

RECEIVED

DEC 26 1989

CITY OF PISMO BEACH  
PUBLIC SERVICES

John Curphey, District Engineer  
State Health Dept.  
P.O. Box 4339  
Santa Barbara, CA 93140-4339

RE: CITY OF PISMO BEACH, REPLACEMENT WELLS

Dear Mr. Curphey:

Enclosed find a completed application and site plan for Pismo Beach's replacement wells off Huber Street in Grover City. The closest septic tank and leach lines are shown along with the alignment of a future sewer in Huber Street. The three sheds shown are the old existing city wells.

The drilling of new wells has been found to be categorically exempt by the City of Pismo Beach.

Following is the approximate casing and screen schedule for the first well if a shallow well is completed:

1.	30" conductor casing	30 L.F.
2.	16" steel casing (sealed to about 100 feet)	120 L.F.
3.	16" steel screen	80 L.F.
	Total Well Depth	200 Feet

If a deep well is completed, the approximate casing and screen schedule will be as follows:

1.	24" conductor casing	30 L.F.
2.	12" steel casing (sealed to about 290 feet)	300 L.F.
3.	12" steel screen	300 L.F.
	Total Well Depth	600 Feet

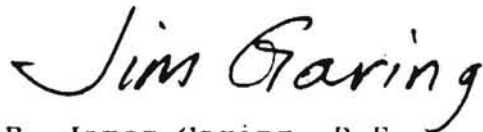
John Curphey  
Page 2  
December 21, 1989

Exact casing and screen schedules will be determined after a 600 foot test hole is completed and analyzed for formation characteristics and water quality.

Other information requested in your November 20, 1989 letter to Jim Ashcraft will be supplied as it becomes available.

Very truly yours,

GARING, TAYLOR & ASSOCIATES, INC.

A handwritten signature in cursive script that reads "Jim Garing". The signature is written in dark ink and is positioned above the typed name and title.

R. James Garing, P.E.  
Project Engineer

xc: Jim Ashcraft

ctyltrs\pb89083L.jgn

STATE OF CALIFORNIA

DEPARTMENT OF HEALTH SERVICES

Application from The City of Pismo Beach

To the Department of Health Services  
Sanitary Engineering Branch  
714 P Street  
Sacramento, CA 95814

Pursuant and subject to all of the terms, conditions and provisions of Division 5, Part 1, Chapter 7, Water and Water Systems of the California Health and Safety Code and all amendments thereto, relating to domestic water supplies, application is hereby made for a permit to Develop two production wells on an easement owned by the City of Pismo Beach at Lot 29, Pismo Beach Grover City, California. Applicant must state specifically what is being applied for-whether to construct new works, to use existing works, to make alterations or additions in works or sources. Note Section 4012, H&S Code regarding information to be submitted each other or the existing Well #5, located across from Grover City Hall. An existing with application. Additional sheets may be attached. pipeling will be utilized.

Dated Dec. 20, 1989

By Jim Ashcraft  
Title City Engineer, Director of Public Works  
Address 1000 Bello Street  
Pismo Beach, CA 93449



Well # 20521C?

DEPARTMENT OF HEALTH SERVICES

Application from The City of Pismo Beach

To the Department of Health Services  
Sanitary Engineering Branch  
714 P Street  
Sacramento, CA 95814

Pursuant and subject to all of the terms, conditions and provisions of Division 5, Part 1, Chapter 7, Water and Water Systems of the California Health and Safety Code and all amendments thereto, relating to domestic water supplies, application is hereby made for a permit to Develop two production wells on an easement owned by the City of Pismo Beach at Lot 29, Pismo Beach Garden. Applicant must state specifically what is being applied for-whether to construct new works, to use existing works, to Garden Grover City, California. Depending on water quality found, the wells may be blended with make alterations or additions in works or sources. Note Section 4012, H&S Code regarding information to be submitted each other or the existing Well #5, located across from Grover City Hall. An existing with application. Additional sheets may be attached. pipeling will be utilized.

Dated Dec. 20, 1989

By Jim Ashcraft  
Title City Engineer, Director of Public Works  
Address 1000 Bello Street  
Pismo Beach, CA 93449

Affix  
Official Seal  
Here

UNITED STATES DEPARTMENT OF THE ARMY  
OFFICE OF THE QUARTERMASTER  
HEADQUARTERS, 3RD ARMY  
FORT MONMOUTH, N.J. 08041-5000

MEMORANDUM

TO: [Illegible]

DESCRIPTION

New wood  
shutter/cripp-ahed  
materials

4423-6



Department Head/Authorized Rep. vs.



MEMO TO FILE



CONFERENCE

*al with  
just*

File No. \_\_\_\_\_

PHONE CALL TO:

Date 12/7/89

PHONE CALL FROM:

Old Cranes Well Site —  
New Well # \_\_\_\_\_

Place \_\_\_\_\_

Number \_\_\_\_\_

TIME \_\_\_\_\_

Alan join South Wed. A.M., Lane  
dro's to him by then

→ Met w/ Alan for lunch, Alan reviewed sketch  
moving City well easement (50'x50') across lot  
line to north, Alan said looked good.

→ Alan also said he like to join the 3 exist. wells  
to City, I said OK, we would abandon them  
when we equipped the final well on the  
property.

→ I informed Alan City hoped to drill in 2 or 3 weeks.  
I would hope to have CC approval just plain deal  
on 12/11/89 and get to Alan by 12/13/89 for his  
signature.

# MAGGIORA BROS. DRILLING, INC.

DRILLING CONTRACTORS - PUMP SALES & SERVICE  
CALIFORNIA CONTRACTOR'S LICENSE NO. 249987

Corporate Office  
595 Airport Boulevard  
Watsonville, CA 95076  
(408) 724-1338

(800) 521-2935

Branch Office  
2001 Shelton Drive  
Hollister, CA 95023  
(408) 637-8228

CITY OF PISMO BEACH  
ATTN: JIM ASHCRAFT

# MAGGIORA BROS. DRILLING, INC.

DRILLING CONTRACTORS - PUMP SALES & SERVICE  
CALIFORNIA CONTRACTOR'S LICENSE NO. 249987

Corporate Office  
595 Airport Boulevard  
Watsonville, CA 95076  
(408) 724-1338

(800) 521-2935

Branch Office  
2001 Shelton Drive  
Hollister, CA 95023  
(408) 637-8228

FACSIMILE TRANSMISSION

TO: City of Pismo Beach - ATTN: Jim Ashcraft

FAX # (805) 773-46<sup>84</sup>~~58~~

FROM: MAGGIORA BROTHERS DRILLING - David Maggiora

DATE: 11-27-89

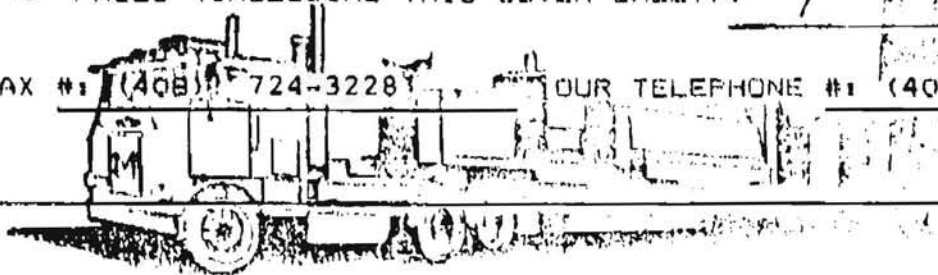
TIME:

NUMBER OF PAGES (INCLUDING THIS COVER SHEET): 7

OUR FAX #: (408) 724-3228

OUR TELEPHONE #: (408) 724-1338

RE:



# MAGGIORA BROS. DRILLING, INC.

DRILLING CONTRACTORS - PUMP SALES & SERVICE  
CALIFORNIA CONTRACTOR'S LICENSE NO. 249967

Corporate Office  
595 Airport Boulevard  
Watsonville, CA 95076  
(408) 724-1338

(800) 521-2935

Branch Office  
2001 Shelton Drive  
Hollister, CA 95023  
(408) 637-8228

CITY OF PISMO BEACH  
ATTN: JIM ASHCRAFT

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (In Figures)	TOTAL (In Figures)
1	Demolition	1	Each	1000.00	1000.00
2	Pilot Borehole	600	L.F.	19.00	11400.00
3	Geophysical Logging Pilot Borehole	1	each	1000.00	1000.00
4	Abandon Pilot Hole	1	L.F.	3	1800.00
5	Drill 30-inch Diameter Borehole	200	L.F.	85.00	17000.00
6	24-inch Diameter Conductor Casing	200	L.F.	93.00	18600.00
7	Seal Conductor Casing	18	C.Y.	130.00	3120.00
8	Drill 20-inch Diameter Borehole	400	L.F.	56.00	22400.00
9	12-inch Stainless Steel Well Screen	300	L.F.	175.00	52500.00
10	Centering Guide	7	Sets	25.00	175.00
11	12-inch Low Carbon Steel Well Casing	300	L.F.	26.50	7950.00
12	12-inch X 0.375-inch Steel Well Casing		L.F.		
13	Gravel Pack	50	TON	135.00	6750.00
14	Install and Remove Pumping Equipment	175	L.F.	12.00	2100.00
15	Development and Testing	72	Hours	110.00	7920.00
16	Disinfect Test Well	LUMP	SUM	500.00	500.00
17	Gravel Fill Pipe, Sounding Tube and Well Cap	LUMP	SUM	250.00	250.00
				<b>Subtotal</b>	<b>\$154,783.00</b>

# MAGGIORA BROS. DRILLING, INC.

DRILLING CONTRACTORS - PUMP SALES & SERVICE  
 CALIFORNIA CONTRACTOR'S LICENSE NO. 249957

Corporate Office  
 595 Airport Boulevard  
 Watsonville, CA 95076  
 (408) 724-1338

(800) 521-2935

Branch Office  
 2001 Shelton Drive  
 Hollister, CA 95023  
 (408) 637-8228

CITY OF PISMO BEACH  
 ATTN: JIM ASHCRAFT

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (in figures)	TOTAL (in figures)
SHALLOW WELL - with conductor pipe					
1	Demobilization	1	Each	1000.00	1000.00
2	Pilot Borehole	600	L.F.	19.00	11400.00
3	Geophysical Logging Pilot Borehole	1	each	1000.00	1000.00
4	Abandon Pilot Hole		L.F.	3 L.F.	1800.00
5	Drill 30-inch Diameter Borehole	150	L.F.	85.00	12750.00
6	24-inch Diameter Conductor Casing	150	L.F.	93.00	13950.00
7	Seal Conductor Casing	18	C.Y.	130.00	2340.00
8	Drill 20-inch Diameter Borehole	70	L.F.	60.00	4200.00
9	12-inch Stainless Steel Well Screen	50	L.F.	176.00	8800.00
10	Centering Guide	7	Sets	25.00	175.00
11	12-inch Low Carbon Steel Well Casing 250 wall	190	L.F.	26.50	5047.00
12	12-inch X 0.375-inch Steel Well Casing		L.F.		
13	Gravel Pack	15	C.Y.	135.00	2025.00
14	Install and Remove Pumping Equipment	175	L.F.	12.00	2100.00
15	Development and Testing	72	Hours	110.00	7920.00
16	Disinfect Test Well	LUMP	SUM	500.00	500.00
17	Gravel Fill Pipe, Sounding Tube and Well Cap	LUMP	SUM	250.00	250.00
				<b>Subtotal</b>	<b>575,257.00</b>

DRILLING - Municipal, Industrial, Agricultural, Domestic, Foundation, Test Holes, Environmental, Geophysical.

PUMPS - Turbine, Submersible, Centrifugal, Jet, Split Case, Waste & Drain.

Copy of document found at [www.NoNewWipTax.com](http://www.NoNewWipTax.com)

# MAGG. & BROS. DRILLING, INC.

DRILLING CONTRACTORS - PUMP SALES & SERVICE  
 CALIFORNIA CONTRACTOR'S LICENSE NO. 249957  
 (800) 521-2935

Corporate Office  
 595 Airport Boulevard  
 Watsonville, CA 95076  
 (408) 724-1338

Branch Office  
 2001 Shelton Drive  
 Hollister, CA 95023  
 (408) 637-8228

CITY OF PISMO BEACH  
 ATTN: JIM ASHCRAFT

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (In Figures)	TOTAL (In Figures)
DEEP WELL - Plastic					
1	Demobilization	1	Each	1000.00	1000.00
2	Pilot Borehole	600	L.F.	19.00	11400.00
3	Geophysical Logging Pilot Borehole	1	each	1000.00	1000.00
4	Abandon Pilot Hole	1	L.F.	3.00	1800.00
5	Drill 30-inch Diameter Borehole	200	L.F.	85.00	17000.00
6	24-inch Diameter Conductor Casing	200	L.F.	93.00	18600.00
7	Seal Conductor Casing	24	C.Y.	130.00	3120.00
8	Drill 20-inch Diameter Borehole	400	L.F.	56.00	22400.00
9	12-inch SDR 21 Well Screen	300	L.F.	50.00	15000.00
10	Centering Guide	7	Sets	25.00	175.00
11	12-inch SDR 21 Well Casing	300	L.F.	25.00	7500.00
12	12-inch X 0.375-inch Steel Well Casing	20	L.F.	51.00	1020.00
13	Gravel Pack	50	C.Y.	135.00	6750.00
14	Install and Remove Pumping Equipment	175	L.F.	12.00	2100.00
15	Development and Testing	72	Hours	110.00	7920.00
16	Disinfect Test Well	LUMP	SUM	500.00	500.00
17	Gravel Fill Pipe, Sounding Tube and Well Cap	LUMP	SUM	250.00	250.00
				Subtotal	117,500

DRILLING - Municipal, Industrial, Agricultural, Domestic, Foundation, Test Holes, Environmental, Geophysical.

PUMPS - Turbine, Submersible, Centrifugal, Jet, Split Case, Waste & Drain.

# MAGGIORA BROS. DRILLING, INC.

DRILLING CONTRACTORS - PUMP SALES & SERVICE  
CALIFORNIA CONTRACTOR'S LICENSE NO. 249987

Corporate Office

595 Airport Boulevard  
Watsonville, CA 95076  
(408) 724-1338

(800) 521-2935

Branch Office

2001 Shelton Drive  
Hollister, CA 95023  
(408) 637-8228

CITY OF PISMO BEACH  
ATTN: JIM ASHCRAFT

OK

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (in figures)	TOTAL (in figures)
DEEP WELL- without conductor pipe					
1	Demobilization	1	Each	1000.00	1000.00
2	Pilot Borehole	600	L.F.	19.00	11400.00
3	Geophysical Logging Pilot Borehole	1	each	1000.00	1000.00
4	Abandon Pilot Hole	1	each	3	1800.00
5	Drill 30-inch Diameter Borehole	30	L.F.	85.00	2550.00
6	24-inch Diameter Conductor Casing	30	L.F.	93.00	2790.00
7	Seal Conductor Casing	a.4	C.Y.	130.00	520.00
8	Drill 20-inch Diameter Borehole	b.18 yds. concrete c. gravel pipe		130.00	2340.00
				6.00	1260.00
		570	L.F.	56.00	31920.00
9	12-inch Stainless Steel Well Screen		L.F.	176.00	52800.00
10	Centering Guide	7	Sets	25.00	175.00
11	12-inch SDR 21 Well Casing	300	L.F.	26.56	7968.00
12	12-inch X 0.375-inch Steel Well Casing	20	L.F.		
13	Gravel Pack	15	C.Y.	135.00	2700.00
14	Install and Remove Pumping Equipment	175	L.F.	12.00	2100.00
15	Development and Testing	72	Hours	110.00	7920.00
16	Disinfect Test Well	LUMP	SUM	500.00	500.00
17	Gravel Fill Pipe, Bounding Tube and Well Cap	LUMP	SUM	250.00	250.00
				Subtotal	\$130,920.00

DRILLING - Municipal, Industrial, Agricultural, Domestic, Foundation, Test Holes, Environmental, Geophysical.

PUMPS - Turbine, Submersible, Centrifugal, Jet, Split Case, Waste & Drain.

Copy of document found at www.NoNewWipTax.com

# MAGGIORA BROS. DRILLING, INC.

DRILLING CONTRACTORS - PUMP SALES & SERVICE  
 CALIFORNIA CONTRACTOR'S LICENSE NO. 249957

Corporate Office  
 595 Airport Boulevard  
 Watsonville, CA 95076  
 (408) 724-1338

(800) 521-2935

Branch Office  
 2001 Shelton Drive  
 Hollister, CA 95023  
 (408) 637-8228

CITY OF PISMO BEACH

ATTN: JIM ASHCRAFT

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (In Figures)	TOTAL (In Figures)
Shallow Well- Plastic					
1	Demobilization	1	Each	1000.00	1000.00
2	Pilot Borehole	250	L.F.	19.00	11400.00
3	Geophysical Logging Pilot Borehole	1	each	1000.00	1000.00
4	Abandon Pilot Hole	1	each	3 L.F.	1800.00
5	Drill 30-inch Diameter Borehole	150	L.F.	85.00	12750.00
6	24-inch Diameter Conductor Casing	150	L.F.	93.00	13950.00
7	Seal Conductor Casing	18	C.Y.	130.00	2340.00
8	Drill 20-inch Diameter Borehole	70	L.F.	60.00	4200.00
9	12-inch SDR 21 Well Screen	50	L.F.	50.00	2500.00
10	Centering Guide	7	Beta	25.00	175.00
11	12-inch SDR 21 Well Casing	175	L.F.	25.00	4375.00
12	12-inch X 0.375-inch Steel Wall Casing	20	L.F.	51.00	1020.00
13	Gravel Pack	15	C.Y.	135.00	2025.00
14	Install and Remove Pumping Equipment	175	L.F.	12.00	2100.00
15	Development and Testing	72	Hours	110.00	7920.00
16	Disinfect Test Well	L U M P	S U M	500.00	500.00
17	Gravel Fill Pipe, Sounding Tube and Well Cap	L U M P	S U M	250.00	250.00
				E Subtotal	\$69,305.00

## DEPARTMENT OF HEALTH SERVICES



Public Water Supply Branch  
P.O. Box 4339  
Santa Barbara, CA 93140-4339  
(805) 963-8616

November 20, 1989

City of Pismo Beach  
Water Department  
P.O. Box 3  
Pismo Beach, CA 93449

NOV 2 1989

Attention: Mr. Jim Ashcraft

PUBLIC SERVICE

Gentlemen:

SYSTEM NO. 40-008

Enclosed are the domestic water permit application forms necessary for the City to add an additional well to the system. The City must submit the permit application forms in triplicate to the Department of Health Services. An example of a completed application form is attached. Along with the application form, please submit the following if it is available. Otherwise, submit it as soon as possible in order that we may finalize the permit.

1. Plot plan of the well sites, including all possible sources of contamination, such as drainage channels, areas subject to flooding, sewers, and sewage disposal systems within 200 feet of the well locations.
2. Plans and specifications for the wells, including the annular seals. The wells should not be located in pits. The wastelines must discharge through air gaps.
3. Chlorination facility plans.
4. Information concerning the environmental impact of the proposed project as required for the California Environmental Quality Act Clearance.
5. An updated emergency notification plan for the system. A copy of the existing plan, example plans, and a form to update it are enclosed.



After the well is drilled, submit the following data:

1. Geologic well log.
2. State of California well number. Please contact Mr. Glenn Britton at (805) 549-4474 for the number.
3. Chemical analyses of the water, including general mineral, general physical, volatile organics, Title 22 organics, inorganics, and radioactivity.
4. If the water quality does not comply with California Domestic Water Quality and Monitoring Regulations, treatment, including iron and manganese removal filtration, hydrogen sulfide treatment, nitrate blending facilities, etc., shall be provided to bring the water quality into compliance.

We request that all well sites, including test well sites which may later be developed as production wells, be reviewed by this office before the wells are drilled. This inspection can be scheduled before you submit the permit application.

If you have any questions concerning this letter, please contact this office at (805) 963-8616.

Sincerely,



John Curphey, P.E.  
District Sanitary Engineer

Enclosure

cc: San Luis Obispo County Environment Health

JNC:rsm  
PERAPP.SH

40 - 0013  
 System Number  
**RECEIVED**  
 SANITARY ENGINEERING  
 BERKELEY  
 OCT 23 1984

STATE OF CALIFORNIA--HEALTH AND WELFARE AGENCY

DEPARTMENT OF HEALTH SERVICES - SANITARY ENGINEERING BRANCH  
 2151 BERKELEY WAY  
 BERKELEY, CA 94704-9980

(415) 540-2158

WATER QUALITY EMERGENCY NOTIFICATION PLAN

Name of Utility: City of Pismo Beach

System & Location: 40-008

The following persons have been designated to implement the plan upon notification by the State Department of Health Services that an imminent danger to the health of the water users exists:

	<u>Name</u>	<u>Title</u>	<u>Day</u>	<u>Telephone</u> <u>Evening</u>
1.	<u>Dave Watson</u>	<u>Director</u>	<u>773-4656</u>	<u>773-2208</u>
2.	<u>Hal Halldin</u>	<u>City Engineer</u>	<u>773-4656</u>	
3.	<u>Pat Mills</u>	<u>Supervisor</u>	<u>773-4656</u>	<u>773-2208</u>

The implementation of the plan will be carried out with the following State and County Health Department personnel:

1.	<u>John Curphey</u>	<u>District Engineer</u>	<u>805 <sup>963 2616</sup> <del>687-8729</del> 682-6859</u>
2.	<u>Tim Mazzacano</u>	<u>Director, Env. Hlth.</u>	<u>805 549-5550 549-5544</u>

3. If the above personnel cannot be reached, contact:

Office of Emergency Services (24 hrs.), (916) 427-4990

Notification Plan

Describe methods or combinations of methods to be used (radio, television, door-to-door, sound truck, etc.). For each section of your plan give an estimate of the time required, necessary personnel, estimated coverage, etc. Consideration must be given to special organizations, particularly non-English speaking groups and out-lying water users. (Use the other side if necessary or attach additional pages.)

Report prepared by:

Howard P. Holden City Engineer  
 Signature and Title

10-17-84  
 Date

PISMO BEACH

PLAN I. During regular working hours, our people will contact the three newspapers in our area and three television stations to broadcast the necessary warnings. The Local Radio stations - five of them - will also be contacted. Television and radio personnel are available at all hours. As a followup measure, we will also contact the Five Cities Times, Press, Recorder, a local newspaper that serves both our City and outlying areas.

Warnings will be issued to cover all members of the Community. Police and Public Works Departments' vehicles should have equipment. Our area is small and this can be done rapidly.

A special telephone answering service can also be quickly set up at the Utility headquarters (using regular company numbers) to answer questions that will come from consumers.

STATE OF CALIFORNIA

DEPARTMENT OF HEALTH SERVICES

Application from XYZ Water Utility

To the Department of Health Services  
Sanitary Engineering Branch  
714 P Street  
Sacramento, CA 95814

Pursuant and subject to all of the terms, conditions and provisions of Division 5, Part 1, Chapter 7, Water and Water Systems of the California Health and Safety Code and all amendments thereto, relating to domestic water supplies, application is hereby made for a permit to operate the existing water system and to construct and add a new well.

Applicant must state specifically what is being applied for—whether to construct new works, to use existing works, to

make alterations or additions in works or sources. Note Section 4012, H&S Code regarding information to be submitted

with application. Additional sheets may be attached.

Dated \_\_\_\_\_, 19\_\_

Affix  
Official Seal  
Here

By \_\_\_\_\_  
Title \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STATE OF CALIFORNIA

DEPARTMENT OF HEALTH SERVICES

Application from \_\_\_\_\_

To the Department of Health Services  
Sanitary Engineering Branch  
714 P Street  
Sacramento, CA 95814

Pursuant and subject to all of the terms, conditions and provisions of Division 5, Part 1, Chapter 7, Water and Water Systems of the California Health and Safety Code and all amendments thereto, relating to domestic water supplies, application is hereby made for a permit to \_\_\_\_\_

Applicant must state specifically what is being applied for—whether to construct new works, to use existing works, to

make alterations or additions in works or sources. Note Section 4012, H&S Code regarding information to be submitted

with application. Additional sheets may be attached.

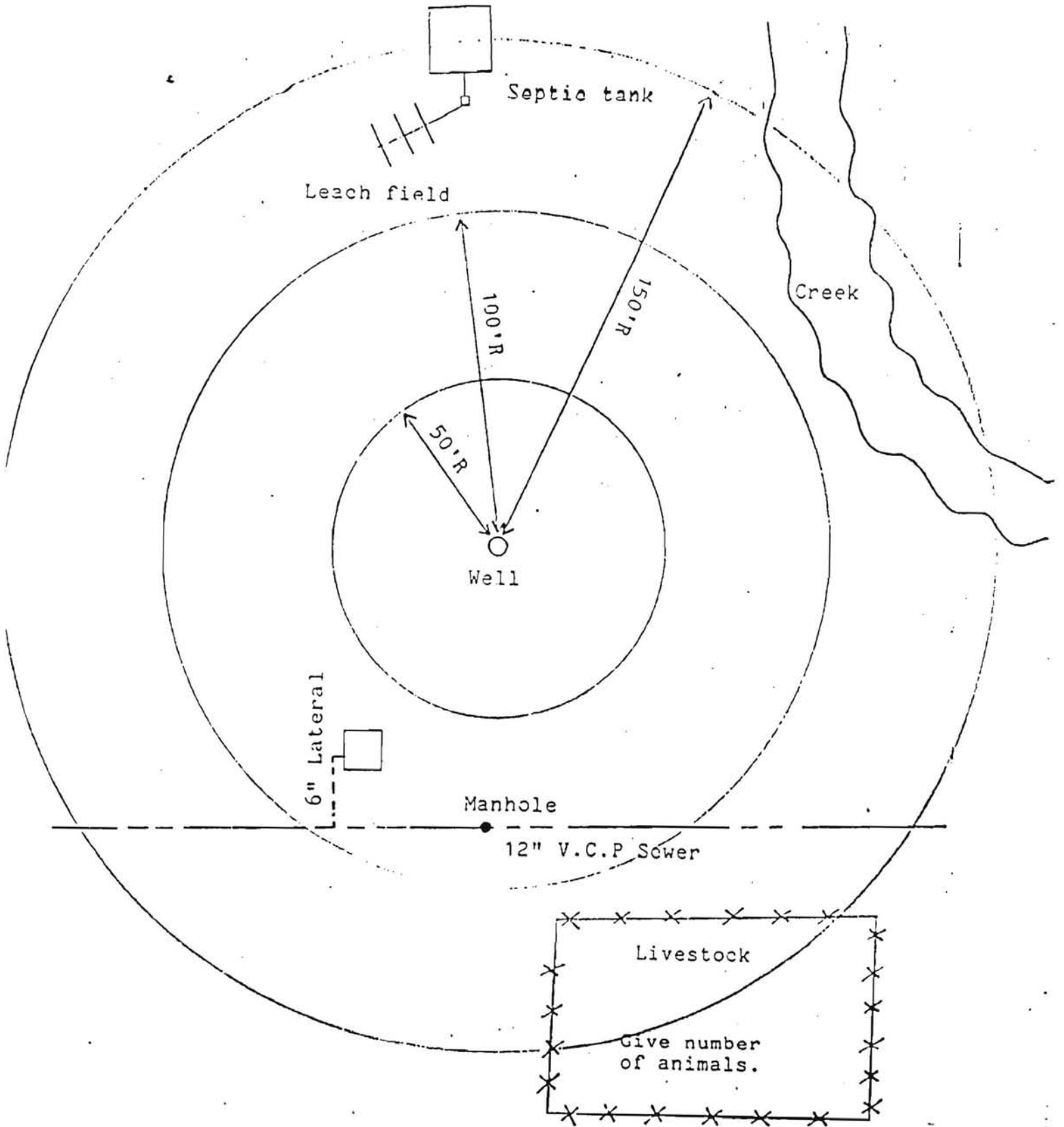
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dated \_\_\_\_\_, 19\_\_

Affix  
Official Seal  
Here

By \_\_\_\_\_  
Title \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Example - Well Plot Plan



State of California  
DEPARTMENT OF HEALTH SERVICES

WELL DATA

System Name :	No.
Source of Information :	
Collected by :	Date :
Number or Name	
Date Drilled	
State Well No.	
Neighborhood	
Lot size	
Distance to: Sewer	
Sewage disposal	
Abandoned well	
Property line	
Plot Plan on file?	
Housing: Type	
Pit depth	
Floor material	
Drainage	
Well Depth	
Casing: Depth(s)	
Diameter(s)	
Type	
Height above floor	
Dist. to perforation	
Surface sealed?	
Gravel packed?	
Conductor casing depth	
Conductor casing dia .	
Annular seal depth	
Impervious strata:	
Thickness	
Depth to	
Well log on file?	
Water levels: Static	
Pumping	
Depth to Bowls	
Pump: Make	
Type	
Capacity (gpm)	
Lubrication	
Power	
Auxiliary power	
Control	
Frequency of use	
Discharge location	
Discharge to	
Pump to Waste?	
Flood Hazard	
Remarks and defects	

1/1/88

DEPARTMENT OF HEALTH SERVICES - SANITARY ENGINEERING BRANCH  
2151 BERKELEY WAY  
BERKELEY, CA 94704-9980



(415) 540-2158

WATER QUALITY EMERGENCY NOTIFICATION PLAN

Name of Utility: \_\_\_\_\_

System & Location: \_\_\_\_\_

The following persons have been designated to implement the plan upon notification by the State Department of Health Services that an imminent danger to the health of the water users exists:

	<u>Name</u>	<u>Title</u>	<u>Telephone</u>	
			<u>Day</u>	<u>Evening</u>
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____

The implementation of the plan will be carried out with the following State and County Health Department personnel:

- \_\_\_\_\_
- \_\_\_\_\_

3. If the above personnel cannot be reached, contact:

Office of Emergency Services (24 hrs.), (916) 427-4990

Notification Plan

Describe methods or combinations of methods to be used (radio, television, door-to-door, sound truck, etc.). For each section of your plan give an estimate of the time required, necessary personnel, estimated coverage, etc. Consideration must be given to special organizations, particularly non-English speaking groups and outlying water users. (Use the other side if necessary or attach additional pages.)

Report prepared by:

\_\_\_\_\_  
Signature and Title

\_\_\_\_\_  
Date





city of  
pismo beach

From the Desk of...

Jim Ashcraft

Director of Public Works/City Engineer

11/20/89

Dave Majora } New Reskin Well  
Jim A }  
Jim G }

- Need Caliper test and "E" log.
- Dave to send us proposal for
  - ① Deep Test hole, parker out
  - ② Construct ~~small~~ hollow

Dave will be in L.G. just after Thanksgiving. Dave should spend 2-3 hrs.

Nov. 27

Doc.

CITY OF PISMO BEACH, CALIFORNIA

Public Services Department

Planning Department

Building Department

Engineering Department

Public Works Department

Parks and Recreation Department



CITY HALL

1000 BELLO ST. • P.O. BOX 3

PISMO BEACH, CALIFORNIA 93449

TELEPHONE 805/773/4656

805/773/4658

November 16, 1989

Farrol Industrial Center  
1620 East McFadden Avenue  
Santa Ana, CA 92705

Attn: Alan Mills

Subject: Construction of City Well

Gentlemen:

This letter is being sent in accordance with the provisions of that certain grant deed dated February 13, 1984, wherein the City of Pismo Beach transferred our property known as Lot 28 of Block 5, resubdivision No. 3 of a part of Lot 1 of Pismo Beach Gardens in the City of Grover City, to the Farrol Industrial Center. The City reserved to itself an easement for the construction of a future well field, with the City's easement rights more fully described on the attached Exhibit A which was an attachment to the original deed.

The purpose of this letter is to inform you of the City's intent to construct a well within our easement area within the next 30-60 days. As soon as we have a plan showing the specific location of the well within the easement area, we will transmit that to you for your review and comments.

We hope we can locate the well to a mutually satisfactory location within our existing easement, and also hope that you will allow the City to use the remainder of your vacant parcel for two or three days for test pumping purposes, since there is no natural storm drain outlet at this property, and the City must contain our water from test pumping.

It is our intent to locate the well in an area immediately adjacent to the Huber Street right-of-way, which upon property development would place our well site immediately adjacent to the City's right-of-way, and thereby minimize the impact upon your future development.

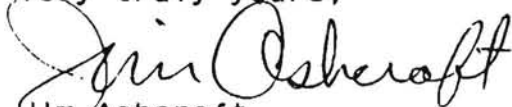
Farrol Industrial Center

Page 2

November 16, 1989

If you have any question concerning this letter, please call the undersigned, and if not, we will be transmitting to you very soon a draft site plan showing the location of our easement and location of our proposed well field.

Very truly yours,



Jim Ashcraft  
Director of Public Works

JA/eb

Attachment

EXHIBIT "A"

Reserving therefrom an easement for the location of one well site and incidental purposes if and when needed by Grantor herein over the northerly 50 feet of the westerly 50 feet of the land herein conveyed. Said 50' by 50' easement shall remain in perpetuity and shall be binding upon the Grantee(s), his successors and assigns. If the parties should agree to a sooner termination date, Grantor will immediately quitclaim its interest in said easement by deed or any other instrument required by a title company to clear title.

The City of Pismo Beach shall, upon exercise and use of its easement rights herein, bear all costs and assume all responsibility for physical damage to the property conveyed herein including but not limited to the cost of replacement of parking facilities, asphalt, concrete, and landscaping located upon said property.

Grantee, its successors and assigns shall have the rights to use said 50' x 50' easement area for landscaping and parking purposes (but no permanent parking structures), including improvements thereon, until the Grantor exercises its rights to use said easement. Grantor shall give Grantee written notice personally or by certified mail of its desire to exercise its rights herein at least thirty (30) days prior to exercising its rights.

Upon exercise of the use of the easement described hereinabove, Grantor shall place, as soon as reasonably practicable, its water well in a certain defined location within the above-described 50' by 50' easement area. Said location shall lie within an area no greater than 15' x 25'. Once said 15' by 25' location is determined by Grantor and the water well is placed thereon, then the Grantor and Grantee shall execute and record a new easement agreement which fully describes the final water well location together with easements for access and pipelines appurtenant thereto.

The hereinabove easements and agreements with respect thereto shall bind and inure to the benefit of the respective heirs, personal representatives, successors and assigns of Grantor and Grantee.

**END OF DOCUMENT**

no. 2576 rec 538

City of Palmdale  
 Finance Department  
 1000 Main Street, P.O. Box 31  
 Palmdale, California 93449  
 (818) 465-1655



Purchase Requisition  
 (No Purchase Order Required)

VENDOR: *Mark Mangrove Salvage*

DATE: *11/13*

DEPT: \_\_\_\_\_  
 Unless otherwise stated, all invoices are payable upon receipt of materials.  
 Please send 2 copies of each invoice.

DESCRIPTION	COST ACCT. NUMBER	INVOICE NUMBER	AMOUNT	ACCOUNT #
<i>Remove trash and debris from Amber Cell</i>		<i>7159</i>	<i>\$2200.00</i>	<i>4432 340</i>

*[Signature]*  
 Department Head/Authorized Rep. ve.

Purchasing Official

*OK [Signature]*

CITY OF PISMO BEACH, CALIFORNIA

Public Services Department

Planning Department

Building Department

Engineering Department

Public Works Department

Parks and Recreation Department



CITY HALL

1000 BELLO ST. • P.O. BOX 3

PISMO BEACH, CALIFORNIA 93449

TELEPHONE 805/773/4656

805/773/4658

November 13, 1989

Mr. Arnold Dowdy  
City Administrator  
Grover City  
P.O. Box 365  
Grover City, CA 93433

Subject: Construction of Peaking Well on City's Old Huber Street  
Well Field

Dear Mr. Dowdy:

This letter is being sent at the request of Tom Sullivan to inform the City of our plans to construct a peaking well on the site of the City's Old Huber Street Well Field. As you know, the City in 1984 sold the majority of our property at this site; however we did retain an easement for future well site and incidental purposes.

Tom Sullivan has informed my Director of Public Works, Jim Ashcraft, that since this is in an industrial area, and since it is the site of a historic well field for the City, that he did not envision the City of Grover City objecting to the construction of a replacement well, but requested this letter, and an environmental review of our project for consideration by the City of Grover City.

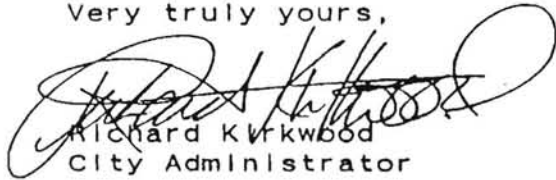
Regarding the environmental review, my staff informs me that this project is categorically exempt in accordance with Section 15302 (Class 2) of CEQA, as this project is a replacement of an existing utility system involving negligible or no expansion of capacity. This site currently has three operational wells, and our intent is to replace those three wells with one new operational well.

We are beginning the preliminary engineering design and will provide copies of all the documents for your review. We are also filing an application with the California State Health Department for a well drilling permit.

Arnold Dowdy  
Page 2  
November 13, 1989

Please let us know if you desire any additional information on this project.

Very truly yours,



Richard Kirkwood  
City Administrator

JA/eb



November 9, 1989

Jim Ashcraft, City Engineer, Director of Public Works  
City of Pismo Beach  
P.O. Box 3  
Pismo Beach, CA 93449

Dear Mr. Ashcraft,

This is an addendum to our October 27, 1989 proposal for well drilling services. If the City decides to proceed with only the test drilling, casing and pumping now and to pursue design and bidding of pumping equipment and piping at a later date, the procedures included would be as follows:

Procedures

1. Design of test or pilot borehole to determine physical formation characteristics. Electrolog to predict water bearing zones, zones of highest productivity.
2. If proven practical in upcoming City of Arroyo Grande wells, specification and monitoring, documentation of packer pumping to attempt to locate zones of low nitrate concentration in the shallow aquifer and to locate zones of lower iron and manganese in the deep aquifer.
3. Design of final casing and screen schedules, conductor casing, gravel fill apparatus and well seal.
4. Coordination of well location (but not a record of survey).
5. Specification and monitoring, documentation of test pumping procedures, recommendation on pumping capacity.
6. Coordination of water quality sampling and testing.
7. Coordination and inspection of well construction; contract management, change orders pay and acceptance recommendations.

If the above work is done on a negotiated basis, using existing designs and sketches, without specific formal plans and bid documents GTA's fees would not exceed \$5,000.00 unless renegotiated due to any change in scope of the project.

If it is desired to have formal plans and bid documents and to receive bids, GTA's fees would not exceed \$10,000.00 unless renegotiated due to any change in scope of the project.



Jim Ashcraft  
Page 2  
November 9, 1989

Personnel

- Jim (R. James Garing) will be Project Manager.
- Norm (Norman W. McGinnis) will perform detailed project design under Jim's direction.
- Rusty (Russell S. Garing) will handle project inspection and construction management under joint direction of Jim Garing and Jim Ashcraft.
- Support Team (GTA, 21 employees total) will provide all other engineering services to complete the project.

Assuming that subsurface conditions are found suitable, I expect the well capacity to be from 600 to 1200 gallons per minute. The shallow aquifer will be high in nitrates, and the deep aquifer may be high in iron and manganese. Zones may be found to minimize those constituents.

The City will have the right to stop work by GTA and the contractor at any time and pay for only the level of work authorized or completed. If the contractor has received material for a segment of the contract previously authorized and the contract is then stopped, the City would pay a reasonable restocking charge.

GTA would be paid monthly based upon our current fee schedule, actual time and materials expended on the project and the not to exceed figures.

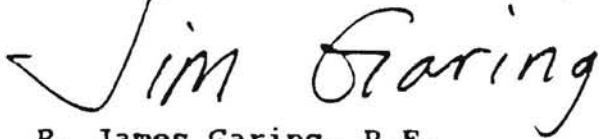
The City would pay for the electrolog (about \$1,000.00) and for laboratory tests of water quality. Laboratory test costs will vary depending on the level of packer pumping and testing but I expect a minimum of about \$250.00 and a maximum of about \$1,500.00 for laboratory testing.

Jim Ashcraft  
Page 3  
November 9, 1989

If you have any questions or need more information, please  
contact me.

Very truly yours,

GARING, TAYLOR & ASSOCIATES, INC.

A handwritten signature in cursive script that reads "Jim Garing". The signature is written in black ink and is positioned to the left of the typed name.

R. James Garing, P.E.  
President

wp50\typtext\PBPROP2.JGN

their areas of specialty, as needed. Resumes of these erodic  
other Balance Hydrologics staff, will be available to assist in

Toby Hanes, Mark R. Robinson, and Patricia O'Connor, plus



# CITY COUNCIL AGENDA SUMMARY

**SUBJECT:** APPROVAL OF CONTRACT FOR PROFESSIONAL ENGINEERING SERVICES FOR THE DRILLING AND TESTING OF A DOMESTIC PEAKING WELL

**SUMMARY OF THE MATTER:**

The City water utility is currently in critical need of a peaking well to meet the demands of peak use and the attached proposal is to provide the required design engineering services for the drilling and testing of the well. If the well proves, by test pumping, to have the volume and quantity of water meeting the City's peaking needs, then the City would proceed with additional professional engineering services to design the equipment, including the pump and motor for the well.

The proposal lists a not-to-exceed fee of \$5,000.00 to prepare the engineering drawings and specifications without the need of formal bid package, assuming that the City may be able to negotiate an emergency contract for drilling of the well. The proposal further states the price of a full public bid document at a fee not-to-exceed \$10,000 should the City not be able to negotiate a contract for the emergency drilling and testing of the well.

This project is not currently budgeted, however, funding is available for this project in our Water Operations Fund Account # 12-4430-340 and staff recommends appropriation of funds from this account for this project.

**RECOMMENDED ACTION:**

THAT CITY COUNCIL APPROVE THE ATTACHED AGREEMENT WITH GARING, TAYLOR AND ASSOCIATES TO PROVIDE ENGINEERING SERVICES FOR THE DRILLING AND TESTING OF A DOMESTIC PEAKING WELL, AND FURTHER, APPROPRIATE FUNDING IN THE AMOUNT OF \$10,000 FROM ACCOUNT #12-4430-340 TO FUND THIS CONTRACT.

Account No. ( If not budgeted) \_\_\_\_\_ (If budgeted) \_\_\_\_\_

Appropriation Requested \_\_\_\_\_ Fund Name \_\_\_\_\_

Citizens Advised \_\_\_\_\_

Requested by \_\_\_\_\_

Prepared by *[Signature]* DIRECTOR OF PUBLIC WORKS

Coordinated with \_\_\_\_\_

Meeting Date: 11-13-89

Attachments G.T.A. PROPOSAL

Approved by *[Signature]*  
City Administrator

Agenda Item No. **6F**

RESOLUTION NO. R-90-02

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PISMO BEACH DECLARING THAT THE PUBLIC INTEREST AND NECESSITY DEMAND THE IMMEDIATE EXPENDITURE OF PUBLIC MONEY FOR THE DRILLING OF A PEAKING WELL

WHEREAS, the City in our report dated November 6, 1989, documented that there is a critical need for a peaking well supply to meet the City's summertime water demands; and,

WHEREAS, if a new peaking well is not on line by early summertime of 1990, a critical health problem, as well as monetary loss in property values may be realized; and

WHEREAS, Section 20168 of Government Code allows public agencies by a four-fifths vote to adopt of a resolution to declare that the immediate expenditure of funds are necessary to safeguard life, health or property.

NOW, THEREFORE, be it resolved that the City Council of the City of Pismo Beach hereby declares that it is in the public interest and necessity to demand the immediate expenditure of public funds for the test drilling of the City's new peaking well.

UPON MOTION of Councilmember Eldwayen, seconded by Councilmember Foster, the foregoing resolution is hereby passed and adopted at a regular meeting of the City Council held this 8th day of January, 1990, on the following roll call vote, to wit:

AYES: Eldwayen, Foster, Baker, Fiorentino, Mayor Morrow

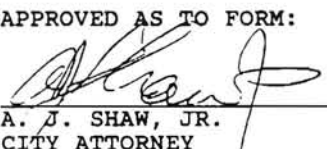
NOES: None

ABSENT: None

ABSTAIN: None

  
DICK MORROW, MAYOR

ATTEST:  
  
SHARON JONES  
CITY CLERK

APPROVED AS TO FORM:  
  
A. J. SHAW, JR.  
CITY ATTORNEY

GARING, TAYLOR & ASSOCIATES, INC.  
CIVIL ENGINEERS      SURVEYORS      PLANNERS

October 27, 1989

OCT 27 1989

Jim Ashcraft, City Engineer,  
Director of Public Works  
City of Pismo Beach  
P. O. Box 3  
Pismo Beach, CA 93449

Dear Mr. Ashcraft,

As you requested, here is a proposal to provide engineering services for exploration, drilling, testing, analysis and design of a peaking well in the City's remaining well site near Griffin, Houston and Highland in Grover City.

I understand that safe yield of the affected groundwater basin is not being examined as part of this project because it is already well understood.

The new well, when ultimately designed will be for peaking and production purposes, to supplement or supplant existing City Well No. 5.

The Scope of the work is proposed to be as follows:

Procedures

1. Design of test or pilot borehole to determine physical formation characteristics. Electrolog to predict water bearing zones, zones of highest productivity.
2. If proven practical in upcoming City of Arroyo Grande wells, specification and monitoring, documentation of packer pumping to attempt to locate zones of low nitrate concentration in the shallow aquifer and to locate zones of lower iron and manganese in the deep aquifer.
3. Design of final casing and screen schedules, conductor casing, gravel fill apparatus and well seal.
4. Specification and monitoring, documentation of test pumping procedures, final well report.
5. Design of permanent pumping equipment, switch gear, well piping utilities and appurtenances.
6. Coordination and inspection of all well construction; contract management, change orders pay and acceptance recommendations.

Jim Ashcraft  
October 27, 1989  
Page 2

Personnel

- Jim (R. James Garing) will be Project Manager.
- Norm (Norman W. McGinnis) will perform detailed project design under Jim's direction.
- Rusty (Russell S. Garing) will handle project inspection and construction management under joint direction of Jim Garing and Jim Ashcraft.
- Support Team (GTA, 21 employees total) will provide all other engineering services to complete the project.

For hydrogeologic advise, I recommend the City contract separately for that service if it is desired. Since the basin is already well understood, it may not be necessary for separate services in this field. Tim Cleath has done extensive research in the Five Cities area but Tom Wooley (Local Registered Geologist) and Don McCann (Registered Geologist from L.A. Basin) both have experience in the area and in the hydrogeologic field. Rusty has local experience and is a graduate geologist but is not yet registered.

Assuming that subsurface conditions are found suitable, I expect the well capacity to be from 600 to 1200 gallons per minute. The shallow aquifer will be high in nitrates, and the deep aquifer may be high in iron and manganese. Zones may be found to minimize those constituents.

The City will have the right to stop work by GTA and the contractor at any time and pay for only the level of work authorized or completed. If the contractor has received material for a segment of the contract previously authorized and the contract is then stopped, the City would pay a reasonable restocking charge.

GTA would be paid monthly based upon our current fee schedule, actual time and materials expended on the project and a reasonable not to exceed figure. Assuming a total construction cost of about \$250,000.00 for the project, (depending on depth of well, enclosure(s) and connecting pipelines), the total fee for GTA services will not exceed \$25,000.00. We would like to renegotiate the not to exceed figure should the scope of the project change.

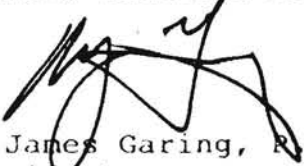
Jim Ashcraft  
October 27, 1989  
Page 3

The City would pay for the electrolog (about \$1,000.00) and for laboratory tests of water quality. Laboratory test costs will vary depending on the level of packer pumping and testing but I expect a minimum of about \$250.00 and a maximum of about \$1,500.00 for laboratory testing.

If you have any questions or need more information, please contact me.

Very truly yours,

GARING, TAYLOR & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'R. James Garing', written over a printed name.

R. James Garing, P.E.  
President

wp50\typtext\PBPROP.JGJ



From the De. of...  
 Jim Ashcraft  
 Director of Public Works/City Engineer

If I went out for test hole, packer test and cementing (should decide to go ahead more than for 3 days)

11,400  
 3,000  
 1,800  
 \$ 16,200

Not to exceed  
 \$ 20,000

~~Go to C~~  
 Jan 8th



From the De. of...  
 Jim Ashcraft  
 Director of Public Works/City Engineer

Walt Care

If we go ahead w/ 72,000 then find Nitrates are too high - if we know from packer test we need 2 wells.

Cost  
 Deep well w/ sand. = \$ 130,318  
 + equmil = 107,450  
 + shallow well w/ sand = 44,000  
 + equmil = 72,000  
 353,768  
 25,000  
 378,768  
 380,000

If treatment needed, then 45 becomes packer well. but if we can't get one untreated well or packer well, I'll respond w/ money for water.



From the De. of...  
 Jim Ashcraft  
 Director of Public Works/City Engineer

drill deep

130,318  
 include 11,000 test hole  
 + 3,000 for packer testing = 3,000

Then either could deep or shallow well depend on

drill shallow will be counter = 511,297  
 Best case, we drill deep test hole and find low nitrate deep in Toyogami.

cost 55,000  
 + 3,000  
 \$ 58,000

Next to install pump & motor (from Phil. well)  
 This cost = 107,000 - 75,000 (incl. equmil)  
 = 72,000



# MAGGIORA BROS. DRILLING, INC.

Corporate Office  
595 Airport Boulevard  
Watsonville, CA 95076  
(408) 724-1338

DRILLING CONTRACTOR  
CALIFORNIA CONTRACTOR'S LICENSE NO. 740987  
PUMP SALES & SERVICE  
CALIFORNIA CONTRACTOR'S LICENSE NO. 740987

Branch Office  
2001 Shelton Drive  
Hollister, CA 95023  
(408) 637-8228

FACSIMILE TRANSMISSION

TO: City of Pismo Beach - Attn: Jim Ashcraft

FAX # (805) 773-4658

FROM: MAGGIORA BROTHERS DRILLING - David Maggiora

DATE: 12-11-89

TIME:

NUMBER OF PAGES (INCLUDING THIS COVER SHEET): 2

OUR FAX # (408) 724-3228

OUR TELEPHONE # (408) 724-1338

RE:

## MAGGIORA BROS. DRILLING, INC.

DRILLING CONTRACTORS - PUMP SALES & SERVICE  
CALIFORNIA CONTRACTOR'S LICENSE NO. 740987

Corporate Office  
595 Airport Boulevard  
Watsonville, CA 95076  
(408) 724-1338

(800) 521-2935

Branch Office  
2001 Shelton Drive  
Hollister, CA 95023  
(408) 637-8228

CITY OF PISMO BEACH  
ATTN: JIM ASHCRAFT

16"

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (in figures)	TOTAL (in figures)
1	Demobilization	1	Each	1000.00	1000.00
2	Pilot Borehole	600	L.F.	19.00	11400.00
3	Geophysical Logging Pilot Borehole	1	each	1000.00	1000.00
4	Abandon Pilot Hole	1	each	1800.00	1800.00
5	Drill 36-inch Diameter Borehole	30	L.F.	75.00	2250.00
6	30-inch Diameter Conductor Casing	30	L.F.	100.00	3000.00
7	Seal Conductor Casing	a. 4 yds. b. 12 yds. concrete c. gravel pipe	C.Y. L.F.	50.00 150.00	500.00 1350.00
8	Drill 28-inch Diameter Borehole	210	L.F.	5.50	1155.00
10	Centering Guide	7	sets	2.40	17.00
11	16-inch Low Carbon Steel Well Casing	190	L.F.	33.25	6320.00
12	16-inch x 0.375-inch Steel Well Casing	1	L.F.		
13	Gravel Pack	25	ton.	125.00	3125.00
14	Install and Remove Pumping Equipment	175	L.F.	12.00	2100.00
15	Development and Testing	72	Hours	110.00	7920.00
16	Disinfect Test Well	LUMP	SUM	500.00	500.00
17	Gravel Fill Pipe, Sounding Tube and Well Cap	LUMP	SUM	250.00	250.00
				CITY OF PISMO BEACH WELL Subtotal	

DRILLING - Municipal, Industrial, Agricultural, Domestic, Foundation, Test Holes, Environmental, Geophysical  
PUMPS - Turbine, Submersible, Centrifugal, Jet, Split Case, Waste & Drain.

"WATER IS OUR BUSINESS"

# MAGGIC RA BROS. DRILLING, INC.

DRILLING CONTRACTORS - PUMP SALES & SERVICE  
 CALIFORNIA CONTRACTOR'S LICENSE NO. 249967  
 (800) 521-2935

Corporate Office  
 595 Airport Boulevard  
 Watsonville, CA 95076  
 (408) 724-1338

Branch Office  
 2001 Shelton Drive  
 Hollister, CA 95023  
 (408) 637-8228

CITY OF PISMO BEACH  
 ATTN: JIM ASHCRAFT

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (in figures)	TOTAL (in figures)
	DEEP WELL - with conductor pipe				
1	Demobilization	1	Each	1000.00	1000.00
2	Pilot Borehole	600	L.F. (16")	19.00	11400.00
3	Geophysical Logging Pilot Borehole	1	each	1000.00	1000.00
4	Abandon Pilot Hole	1	L.F. <i>3 ea @ 1000.00 = 3000.00</i>	3	1800.00
5	Drill 30-inch Diameter Borehole	200	L.F.	85.00	17000.00
6	24-inch Diameter Conductor Casing	200	L.F.	93.00	18600.00
7	Seal Conductor Casing	18	C.Y.	130.00	2340.00
8	Drill 20-inch Diameter Borehole	400	L.F.	56.00	22400.00
9	12-inch Stainless Steel Well Screen	300	L.F.	176.00	52800.00
10	Centering Guide	7	Sets	25.00	175.00
11	12-inch Low Carbon Steel Well Casing	300	L.F.	26.50	7950.00
12	12-inch X 0.375-inch Steel Well Casing		L.F.		
13	Gravel Pack	50	TON	135.00	6750.00
14	Install and Remove Pumping Equipment	175	L.F.	12.00	2100.00
15	Development and Testing	72	Hours	110.00	7920.00
16	Disinfect Test Well	LUMP	BUM	500.00	500.00
17	Gravel Fill Pipe, Bounding Tube and Well Cap	LUMP	BUM	250.00	250.00
				<b>Subtotal</b>	<b>\$154,783.00</b>

*add packer testing 3000.00*

*Remove  
 - 1 1/2%  
 No Bond*

*153,985*

DRILLING - Municipal, Industrial, Agricultural, Domestic, Foundation, Test Holes, Environmental, Geophysical.  
 PUMPS - Turbine, Submersible, Centrifugal, Jet, Split Case, Waste & Drain.

# MAGGIORA BROS. DRILLING, INC.

## DRILLING CONTRACTORS - PUMP SALES & SERVICE

CALIFORNIA CONTRACTOR'S LICENSE NO. 249957

(800) 521-2935

Corporate Office  
595 Airport Boulevard  
Watsonville, CA 95076  
(408) 724-1338

Branch Office  
2001 Shelton Drive  
Hollister, CA 95023  
(408) 637-8228

CITY OF PISMO BEACH  
ATTN: JIM ASHCRAFT

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (In Figures)	TOTAL (In Figures)
DEEP WELL - Plastic					
1	Demobilization	1	Each	1000.00	1000.00
2	Pilot Borehole	600	L.F.	16 <sup>ea</sup> 19.00	11400.00
3	Geophysical Logging Pilot Borehole	1	each	1000.00	1000.00
4	Abandon Pilot Hole	1	L.F.	3.00	3.00
5	Drill 30-inch Diameter Borehole	2800	L.F.	85.00	17000.00
6	24-inch Diameter Conductor Casing	200	L.F.	93.00	18600.00
7	Seal Conductor Casing	24	C.Y.	150 <sup>ea</sup> 130.00	3120.00
8	Drill 20-inch Diameter Borehole	400	L.F.	56.00	22400.00
9	12-inch SDR 21 Well Screen	300	L.F.	50.00	15000.00
10	Centering Guide	7	Bats	25.00	175.00
11	12-inch SDR 21 Well Casing	300	L.F.	25.00	7500.00
12	12-inch X 0.375-inch Steel Well Casing	20	L.F.	51.00	1020.00
13	Gravel Pack	50	C.Y.	135.00	6750.00
14	Install and Remove Pumping Equipment	175	L.F.	12.00	2100.00
15	Development and Testing	72	Hours	110.00	7920.00
16	Disinfect Test Well	LUMP	BUM	500.00	500.00
17	Gravel Fill Pipe, Sounding Tube and Well Cap	LUMP	BUM	250.00	250.00

Subtotal \$104,035.00

117,535

DRILLING - Municipal, Industrial, Agricultural, Domestic, Foundation, Test Holes, Environmental, Geophysical.

PUMPS - Turbine, Submersible, Centrifugal, Jet, Split Case, Waste & Drain.

# MAGGIORA BROS. DRILLING, INC.

DRILLING CONTRACTORS - PUMP SALES & SERVICE  
CALIFORNIA CONTRACTOR'S LICENSE NO. 249957

Corporate Office  
595 Airport Boulevard  
Watsonville, CA 95076  
(408) 724-1338

(800) 521-2935

Branch Office  
2001 Shelton Drive  
Hollister, CA 95023  
(408) 637-8228

CITY OF PISMO BEACH  
ATTN: JIM ASHCRAFT

OK

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (In Figures)	TOTAL (In Figures)
<u>DEEP WELL- without conductor pipe</u>					
1	Demobilizations	1	Each	1000.00	1000.00
2	Pilot Borehole	600	L.F.	<u>16<sup>00</sup></u> 19.00	11400.00
3	Geophysical Logging Pilot Borehole	1	each	1000.00 ✓	1000.00
4	Abandon Pilot Hole	1	each	3 ✓	1800.00
5	Drill 30-inch Diameter Borehole	<u>30</u>	L.F.	85.00	2550.00
6	24-inch Diameter Conductor Casing	<u>30</u>	L.F.	93.00	2790.00
7	Seal Conductor Casing	a.4	C.Y.	130.00	520.00
8	Drill 20-inch Diameter Borehole	b.18 yds. c. gravel pipe	concret	130.00	2340.00
		570	L.F.	6.00	1260.00
				56.00	31920.00
9	12-inch Stainless Steel Well Screen	300	L.F.	176.00	52800.00
10	Centering Guide	7	Sets	25.00	175.00
11	12-inch SDR 21 Well Casing	300	L.F.	26.56	7968.00
12	12-inch X 0.375-inch Steel Well Casing	20	L.F.		<u>2025</u>
13	Gravel Pack	15	C.Y.	135.00 ✓	<u>2025</u>
14	Install and Remove Pumping Equipment	175	L.F.	12.00 ✓	2100.00
15	Development and Testing	72	Hours	110.00 ✓	7920.00
16	Disinfect Test Well	LUMP	SUM	500.00 ✓	500.00
17	Gravel Fill Pipe, Sounding Tube and Well Cap	LUMP	SUM	250.00	250.00

*Packer Pump test etc 3000.00*  
18,200

Subtotal \$130,991.00

130,318

# MAG YORA BROS. DRILLING, INC.

DRILLING CONTRACTORS - PUMP SALES & SERVICE  
CALIFORNIA CONTRACTOR'S LICENSE NO. 249967

Corporate Office  
595 Airport Boulevard  
Watsonville, CA 95076  
(408) 724-1338

(800) 521-2935

Branch Office  
2001 Shelton Drive  
Hollister, CA 95023  
(408) 637-8228

CITY OF PISMO BEACH  
ATTN: JIM ASHCRAFT

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (In Figures)	TOTAL (In Figures)
SHALLOW WELL - with conductor pipe					
1	Demobilization	1	Each	1000.00	1000.00
2	Pilot Borehole	600	L.F.	19.00	11400.00
3	Geophysical Logging Pilot Borehole	1	each	1000.00	1000.00
4	Abandon Pilot Hole		L.F.	3 L.F.	1800.00
5	Drill 30-inch Diameter Borehole	150	L.F.	85.00	12750.00
6	24-inch Diameter Conductor Casing	150	L.F.	93.00	13950.00
7	Seal Conductor Casing	18	C.Y.	130.00	2340.00
8	Drill 20-inch Diameter Borehole	70	L.F.	60.00	4200.00
9	12-inch Stainless Steel Well Screen	50	L.F.	176.00	8800.00
10	Centering Guide	7	sets	25.00	175.00
11	12-inch Low Carbon Steel Well Casing 250 wall	190	L.F.	26.50	5047.00
12	12-inch X 0.375-inch Steel Well Casing		L.F.		
13	Gravel Pack	15	C.Y.	135.00	2025.00
14	Install and Remove Pumping Equipment	175	L.F.	12.00	2100.00
15	Development and Testing	72	Hours	110.00	7920.00
16	Disinfect Test Well	LUMP	SUM	500.00	500.00
17	Gravel Fill Pipe, Bounding Tube and Well Cap	LUMP	SUM	250.00	250.00
				<b>Subtotal</b>	<b>\$75,257.00</b>

DRILLING - Municipal, Industrial, Agricultural, Domestic, Foundation, Test Holes, Environmental, Geophysical.

PUMPS - Turbine, Submersible, Centrifugal, Jet, Split Case, Waste & Drain.

"WATER IS OUR BUSINESS"

Copy of document found at [www.NoNewTwpTax.com](http://www.NoNewTwpTax.com)

CITY OF PISMO BEACH  
 ATTN: JIM ASHCRAFT

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (In Figures)	TOTAL (In Figures)
SHALLOW WELL_ without conductor pipe					
1	Demobilization	1	Each	1000.00	1000.00
2	Pilot Borehole	600	L.F.	19.00	11400.00
3	Geophysical Logging Pilot Borehole	1	each	1000.00	1000.00
4	Abandon Pilot Hole	1	each	3	1800.00
5	Drill 30-Inch Diameter Borehole	30	L.F.	85.00	2550.00
6	24-Inch Diameter Conductor Casing	30	L.F.	93.00	2790.00
7	Seal Conductor Casing	a. 4 yds.	C.Y.	130.00	520.00
8	Drill 22-Inch Diameter Borehole	b. 12 yds.	concret	130.00	1560.00
		c. gravel	pipe	8 L.F.	960.00
		70	L.F.	60.00	4200.00
9	12-Inch Stainless Steel Well Screen	50	L.F.	176.00	8800.00
10	Centering Guide	7	Sets	25.00	175.00
11	12-Inch Low Carbon Steel	190	L.F.	26.50	5035.00
12	12-Inch X 0.375-Inch Steel Well Casing	20	L.F.		
13	Gravel Pack	15	C.Y.	135.00	2025.00
14	Install and Remove Pumping Equipment	175	L.F.	12.00	2100.00
15	Development and Testing	72	Hours	110.00	7920.00
16	Disinfect Test Well	LUMP	SUM	500.00	500.00
17	Gravel Fill Pipe, Sounding Tube and Well Cap	LUMP	SUM	250.00	250.00

CITY OF PISMO BEACH WELL Subtotal 962,997.00

54,597

DRILLING - Municipal, Industrial, Agricultural, Domestic, Foundation, Test Holes, Environmental, Geophysical.

PUMPS - Turbine, Submersible, Centrifugal, Jet, Split Case, Waste & Drain.

"WATER IS OUR BUSINESS"

CITY OF PISMO BEACH  
ATTN: JIM ASHCRAFT

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (In figures)	TOTAL (In figures)
Shallow Well- Plastic					
1	Demobilization	1	Each	1000.00	1000.00
2	Pilot Borehole	250	L.F.	19.00	<del>4750.00</del>
3	Geophysical Logging Pilot Borehole	1	each	1000.00	1000.00
4	Abandon Pilot Hole	1	each	3 L.F.	1800.00
5	Drill 30-inch Diameter Borehole	150	L.F.	85.00	12750.00
6	24-inch Diameter Conductor Casing	150	L.F.	93.00	13950.00
7	Seal Conductor Casing	18	C.Y.	130.00	2340.00
8	Drill 20-inch Diameter Borehole	70	L.F.	60.00	4200.00
9	12-inch SDR 21 Well Screen	50	L.F.	50.00	2500.00
10	Centering Guide	7	Sets	25.00	175.00
11	12-inch SDR 21 Well Casing	175	L.F.	25.00	4375.00
12	12-inch X 0.375-inch Steel Well Casing	20	L.F.	51.00	1020.00
13	Gravel Pack	15	C.Y.	135.00	2025.00
14	Install and Remove Pumping Equipment	175	L.F.	12.00	2100.00
15	Development and Testing	72	Hours	110.00	7920.00
16	Disinfect Test Well	LUMP	SUM	500.00	500.00
17	Gravel Fill Pipe, Bounding Tube and Well Cap	LUMP	SUM	250.00	250.00
				Subtotal	<del>62,305.00</del>

~~62,305~~  
~~60,305~~

DRILLING - Municipal, Industrial, Agricultural, Domestic, Foundation, Test Holes, Environmental, Geophysical  
PUMPS - Turbine, Submersible, Centrifugal, Jet, Split Case, Waste & Drain.

"WATER IS OUR BUSINESS"

June 29, 1987

Q U A N T I T I E S

FOR

CONSTRUCTION OF BEVINGTON WELL NO. 2  
PUMPING EQUIPMENT, CHLORINATION EQUIPMENT, ELECTRICAL EQUIPMENT  
AND TELEMETRY EQUIPMENT

ITEM	Unit of Measure	Estimated Quantity	Item Price (in figures)	TOTAL (in figures)
Pump, Lineshaft & Driver	L U M P	S U M	42,950.00	\$42,950.00
6-inch Flow Meter	L U M P	S U M	1,215.00	1,215.00
3-inch Pump Control Valve	L U M P	S U M	2,054.00	2,054.00
3-inch Pressure Relief Valve	L U M P	S U M	885.00	885.00
6-inch Silent Check Valve	L U M P	S U M	795.00	795.00
Wellsite Piping, Valves, Supports & Pump Control Valve Piping	L U M P	S U M	3,600.00	3,600.00
Chlorination Equipment & Cabinet	L U M P	S U M	8,000.00	8,000.00
Electrical Work & Cabinet	L U M P	S U M	13,050.00	13,050.00
Painting Wellsite Piping & Appurtenances	L U M P	S U M	1,500.00	1,500.00
Wellsite Fencing	L.F.	170	22.75	3,867.50
Structure Excavation & Backfill including Rock Protection	L U M P	S U M	2,020.00	2,020.00
Reinforced Concrete Slab for Pump	S.F.	36	23.00	828.00
Reinforced Concrete Slab for Equipment	S.F.	40	23.00	920.00
8-inch PVC Cl 200 (DR 14)	L.F.	80	40.00	3,200.00
6-inch Underground Gate Valve	each	1	303.00	303.00
Underground Utilities	L.F.	355	4.75	1,686.25
4-inch Underground Utility Conduit	L.F.	270	3.50	945.00
2-inch Underground Utility Conduit	L.F.	85	2.35	199.75
Finish Roadway	L U M P	S U M	500.00	500.00
Startup	L U M P	S U M	1,500.00	1,500.00
Clearing and Grubbing including Concrete and Thrust Block Removal at Tie-In and Tree Removal and Removal and Storage of Existing Pumping and Related Well Site Equipment	L U M P	S U M	3,600.00	3,600.00
Order of Work (per Addendum No. 1)	L U M P	S U M	1,500.00	1,500.00

⊙ 5%, 2 1/2 yrs = 107,450

T O T A L \$95,118.50

ED. IAY 101.  
NDS EGATE  
100,  
10,  
EX-TO HE TY  
5



MEMO TO FILE



CONFERENCE

File No. \_\_\_\_\_

PHONE CALL TO: *al mills*

Date \_\_\_\_\_

PHONE CALL FROM:

*Peaking Well*

Place \_\_\_\_\_

Number 489-5571

TIME \_\_\_\_\_

*Al says 27, 28, 29, lot 28 has easment.*

*Al interested in moving Well field to Lot 29 between Lot 29 & 30.*

*Al also, 33, 34 & 35. ~~lots~~  
are lots*

*~~Al~~ Al says he paid \$2,000 to Pison for Pison abatement in Huber in 2. Al says Graves required that this be done before he could pave street.*

*A.G. Bed*

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (In Figures)	TOTAL (In Figures)
DEEP PISMO WELL					
1	Mobilization	1	Each	\$3,000.00	\$ 3,000.00
2	Pilot Borehole	2,850	L.F.	\$16.00	\$ 42,400.00
3	Geophysical Logging Pilot Borehole	3	each	\$1,000.00	\$ 3,000.00
4	Abandon Pilot Hole	3	each	\$1,800.00	\$ 5,400.00
5	Drill 24-Inch Diameter Borehole	100	L.F.	\$43.20	\$ 4,320.00
6	20-Inch Diameter Conductor Casing	100	L.F.	\$40.00	\$ 4,000.00
7	Seal Conductor Casing	8	C.Y.	\$150.00	\$ 1,200.00
8	Drill 18-Inch Diameter Borehole	520	L.F.	\$34.00	\$ 17,680.00
9	8-inch SDR 17 Well Screen	250	L.F.	\$22.00	\$ 5,500.00
10	Centering Guide	25	Sets	\$50.00	\$ 1,250.00
11	8-inch SDR 17 Well Casing	330	L.F.	\$15.00	\$ 4,950.00
12	8-inch X 0.375-Inch Steel Well Casing	20	L.F.	\$40.00	\$ 800.00
13	Gravel Pack	40	C.Y.	\$135.00	\$ 5,400.00
14	Install and Remove Pumping Equipment	500	L.F.	\$8.00	\$ 4,000.00
15	Development and Testing	72	Hours	\$110.00	\$ 7,920.00
16	Disinfect Test Well	L U M P	S U M	\$500.00	\$ 500.00
17	Gravel Fill Pipe, Sounding Tube and Well Cap	L U M P	S U M	\$250.00	\$ 250.00
DEEP PISMO WELL Subtotal					\$111,570.00
T O T A L for Both Wells					\$174,850.00

B I D Q U A N T I T I E S

for

CONSTRUCTION OF THE SHALLOW PASO ROBLES  
AND DEEP PISMO TEST WELLS

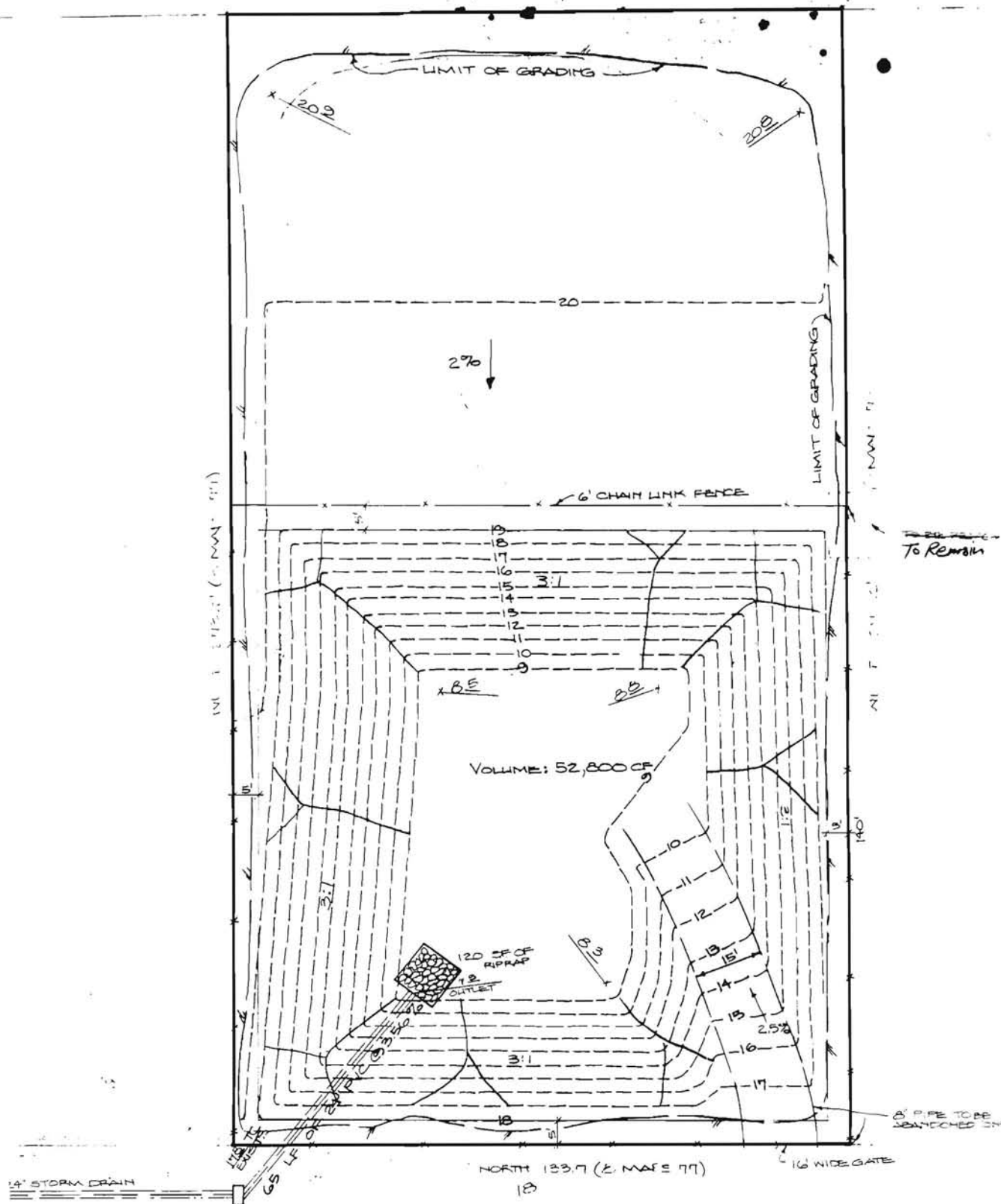
A G 8 8 - 2 2 8  
Project No. 80-89-2

Item No.	Description	Estimated Quantity	Unit of Measure	Item Price (in Figures)	TOTAL (in Figures)
SHALLOW PASO ROBLES WELL					
1	Demobilization	1	Each	\$2,000.00	\$ 2,000.00
2	Pilot Borehole	250	L.F.	\$19.00/	\$ 4,750.00
3	Geophysical Logging Pilot Borehole	1	each	\$1,000.00	\$ 1,000.00
4	Abandon Pilot Hole	1	each	\$1,250.00	\$1,250.00
5	Drill 30-inch Diameter Borehole	150	L.F.	\$85.00	\$12,750.00
6	24-inch Diameter Conductor Casing	150	L.F.	\$93.00	\$13,950.00
7	Seal Conductor Casing	18	C.Y.	\$130.00	\$ 2,340.00
8	Drill 20-inch Diameter Borehole	70	L.F.	\$60.00	\$ 4,200.00
9	12-inch SDR 21 Well Screen	50	L.F.	\$50.00	\$ 2,500.00
10	Centering Guide	7	Sets	\$50.00	\$ 350.00
11	12-inch SDR 21 Well Casing	175	L.F.	\$25.00	\$ 4,375.00
12	12-inch X 0.375-inch Steel Well Casing	20	L.F.	\$51.00	\$ 1,020.00
13	Gravel Pack	15	C.Y.	\$135.00	\$ 2,025.00
14	Install and Remove Pumping Equipment	175	L.F.	\$12.00	\$2,100.00
15	Development and Testing	72	Hours	\$110.00	\$ 7,920.00
16	Disinfect Test Well	L U M P	S U M	\$500.00	\$ 500.00
17	Gravel Fill Pipe, Sounding Tube and Well Cap	L U M P	S U M	\$250.00	\$ 250.00
SHALLOW PASO ROBLES WELL Subtotal					\$63,280.00

GRIFFIN

STREET

NORTH 133.7' (S MAPS 77)



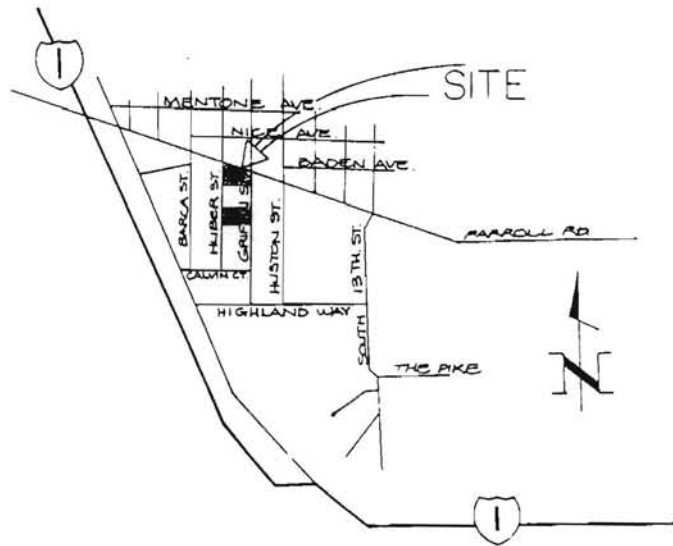
BUILDING - - - - -

RETAINING WALL - - - - -



**T.B.M.**

TEMPORARY BENCH MARK IS CHIPPED "X"  
IN TOP OF CURB OF HUBER STREET,  
STATION 3+60 RIGHT, ELEVATION IS 20.29



**VICINITY MAP**

NO SCALE



**WESTLAND ENGINEERING CO.**

CONSULTING CIVIL ENGINEERING (805) 541-2394  
1037 MILL STREET, SAN LUIS OBISPO, CA 93401

**GRADING PLAN**

PREPARED FOR:  
**BONITA AMERICAN**

PORTION OF LOTS 29, 33, 34, AND 35, BLOCK 5 OF RESUB #3,  
OF PISMO BEACH GARDENS IN THE  
CITY OF GROVER CITY, CALIFORNIA

DATE:  
APR  
1987

SCALE:  
1" = 20'  
JOB NO.:  
87.20

TERENCE K. ORTON, P.E. 21807

SHEET  
1  
OF 3

TO	S		DATE	11-22	TIME	10:00	AM
FROM	M Al Mills		AREA CODE	489	NUMBER	5571	
OF			EXTENSION				
MESSAGE	Zarrall Industrial Center						
	→ Al Mills sat re-conveyance note.						
PHONED	<input checked="" type="checkbox"/>	CALL BACK	<input checked="" type="checkbox"/>	RETURNED CALL	<input type="checkbox"/>	WANTS TO SEE YOU	<input type="checkbox"/>
		WILL CALL AGAIN	<input type="checkbox"/>	URGENT	<input type="checkbox"/>	WAS IN	<input type="checkbox"/>
SIGNED			MQ				



RECEIVED  
MAY 11 1987  
CITY OF PISMO BEACH  
PUBLIC SERVICES

1000 Bello Avenue  
Pismo Beach, CA 93449

Attn: Hal Halldin  
Re: Pismo Beach Water Facilities - Lot 29 of Pismo Beach Gardens, Grover City

Dear Hal:

Attached you will find one copy of plans that show the development of a drainage sump on Lot 29 of Pismo Beach Gardens, Grover City. The construction of this sump will require the abandonment of the existing water lines that cross the sump area. It is my understanding based on conversations with you and Tom Sullivan that these water lines will not be used in the future to supply water to Grover City or the City of Pismo Beach and there are no formal easement documents regarding the right of either city to extract water from wells on Lot 29. This sump development will not interfere with any prescriptive right that either city as to water from the site and the existing pump and well equipment in the area will remain in place.

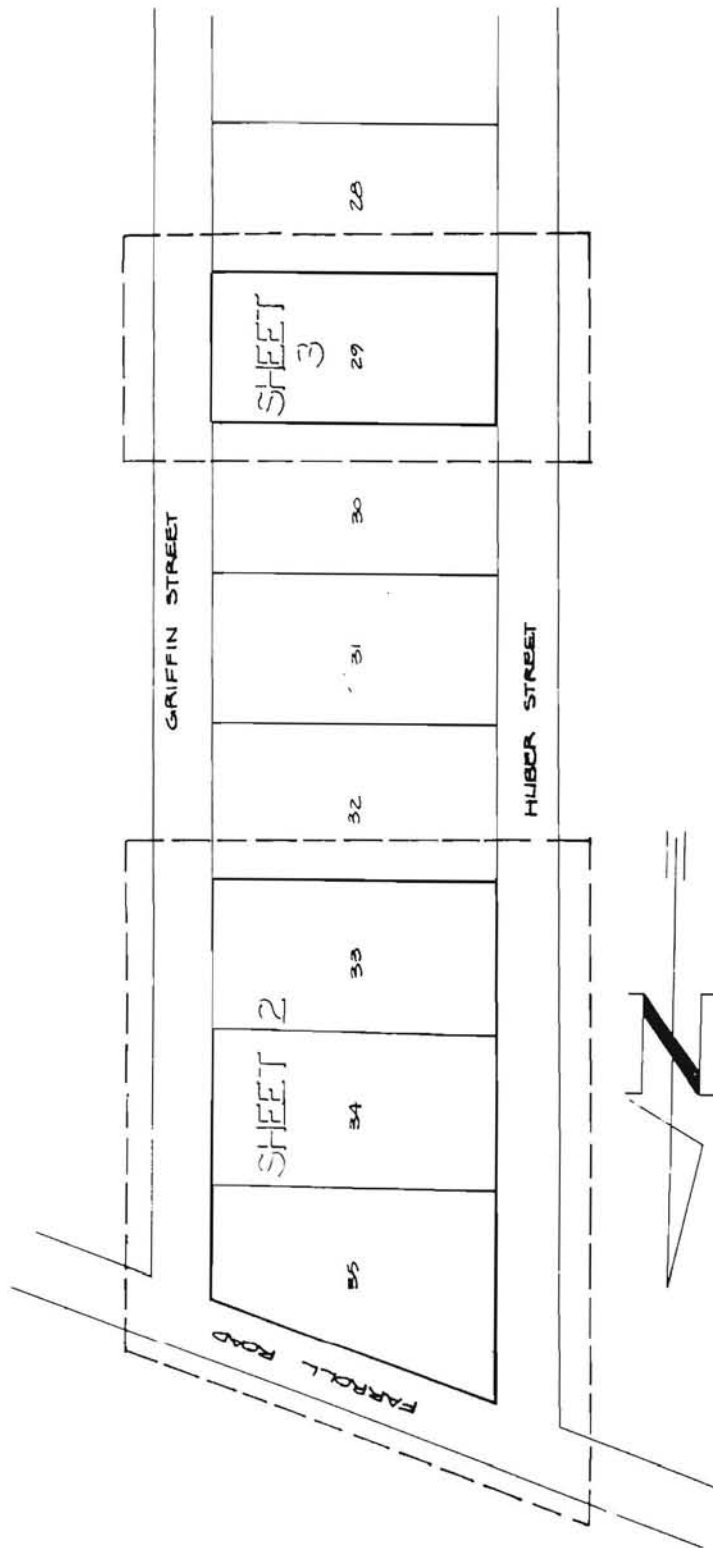
Please review the attached plans and if you have any questions, please give me a call.

Sincerely,

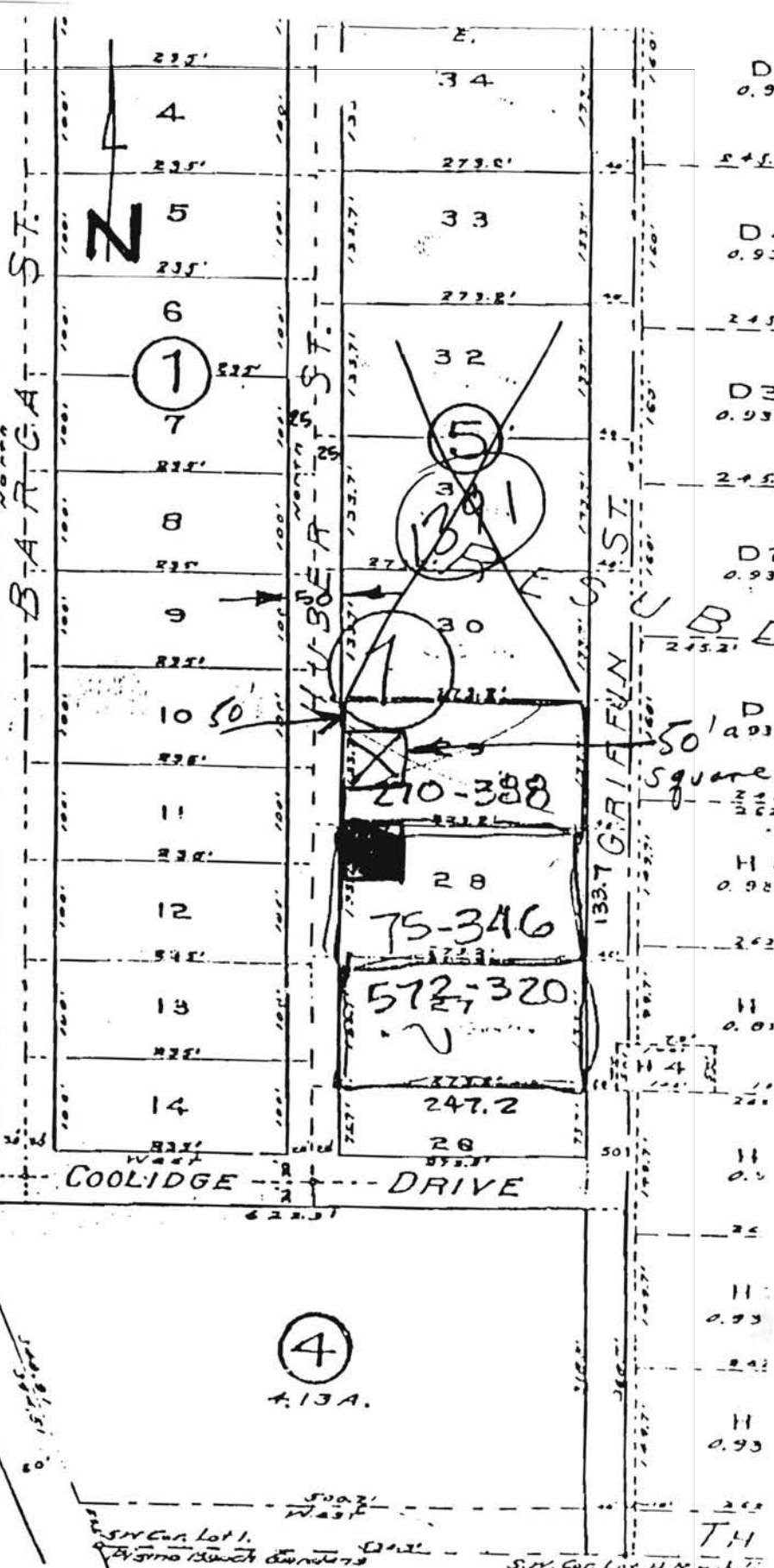
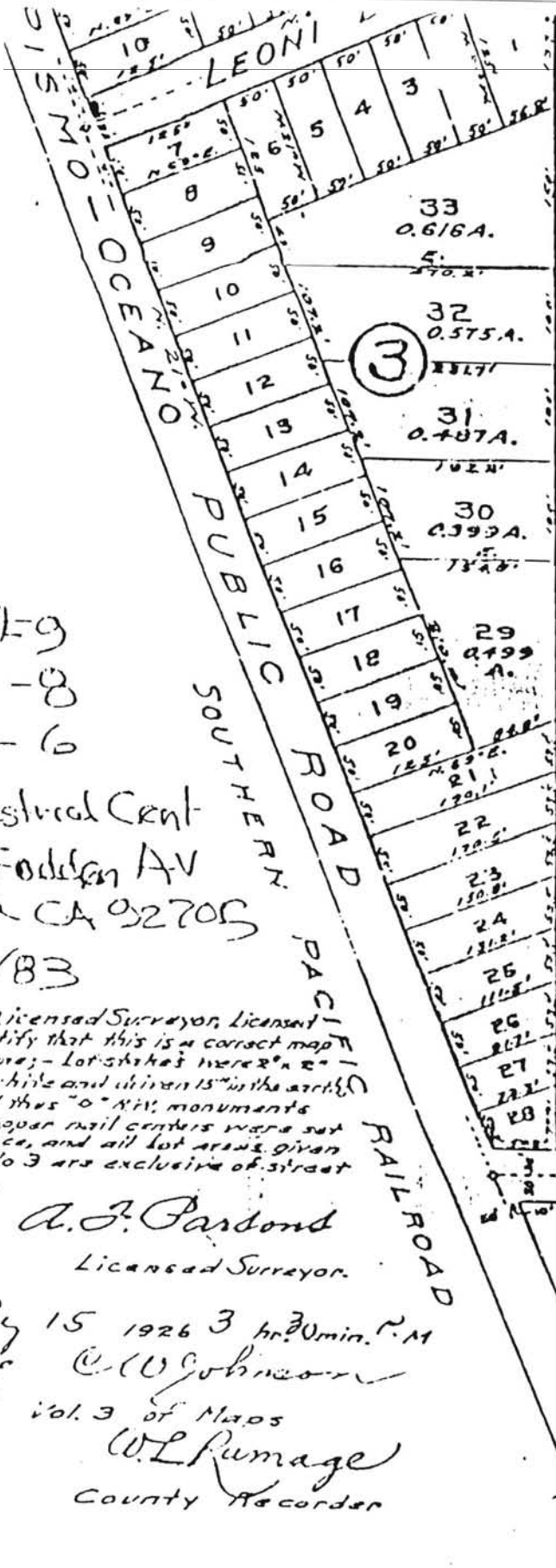
Michael R. Ratty

"Planning and Building American Hometowns"

# GRADING PLAN



INDEX MAP  
NO SCALE



7-9  
 -8  
 1-6  
 Industrial Cent  
 Folsom Av  
 CA 952705  
 /83

Licensed Surveyor, I certify that this is a correct map of the lots shown hereon as shown by the monuments and all lot areas given hereon are exclusive of street

A. J. Parsons  
 Licensed Surveyor.

July 15 1926 3 hr 30 min. P.M.  
 of C. W. Johnson  
 Vol. 3 of Maps  
 W. L. Ramage  
 County Recorder





Deep  
w/o  
conductor

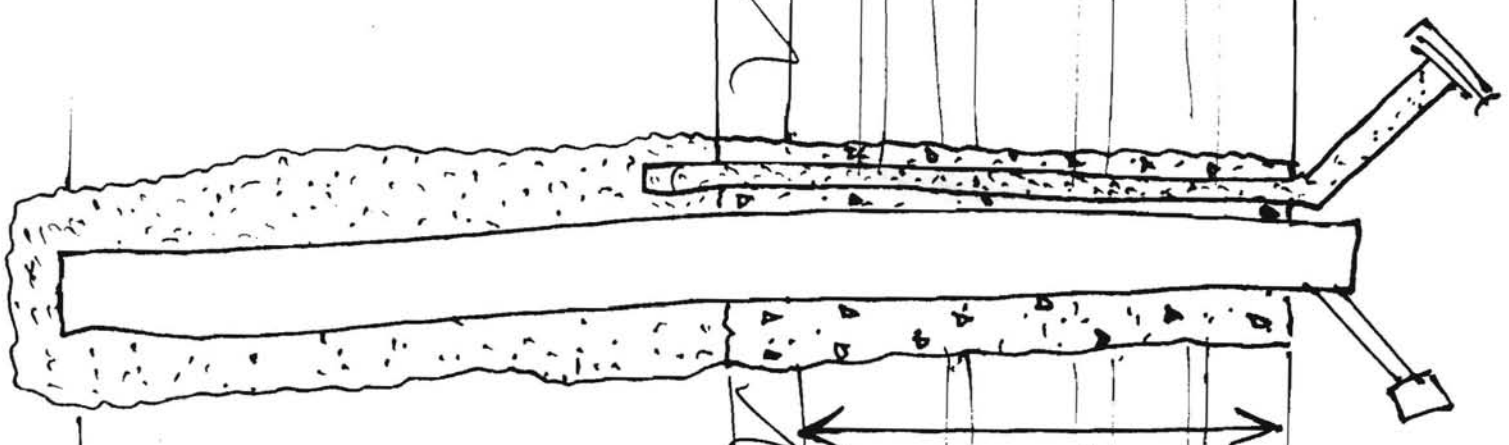
Clay  
Sand & gravel  
Clay  
Sand & gravel

Clay  
Clay

Clay, Sand & gravel

Fine Sand

Blue Clay



14  
200  
Some  
cobbles

50' F

200 - 300' (+)

500 - 600'

Shallow  
w/ conductor

Sand  
1/2 gravel

Clay

S & G

Clay

S & G

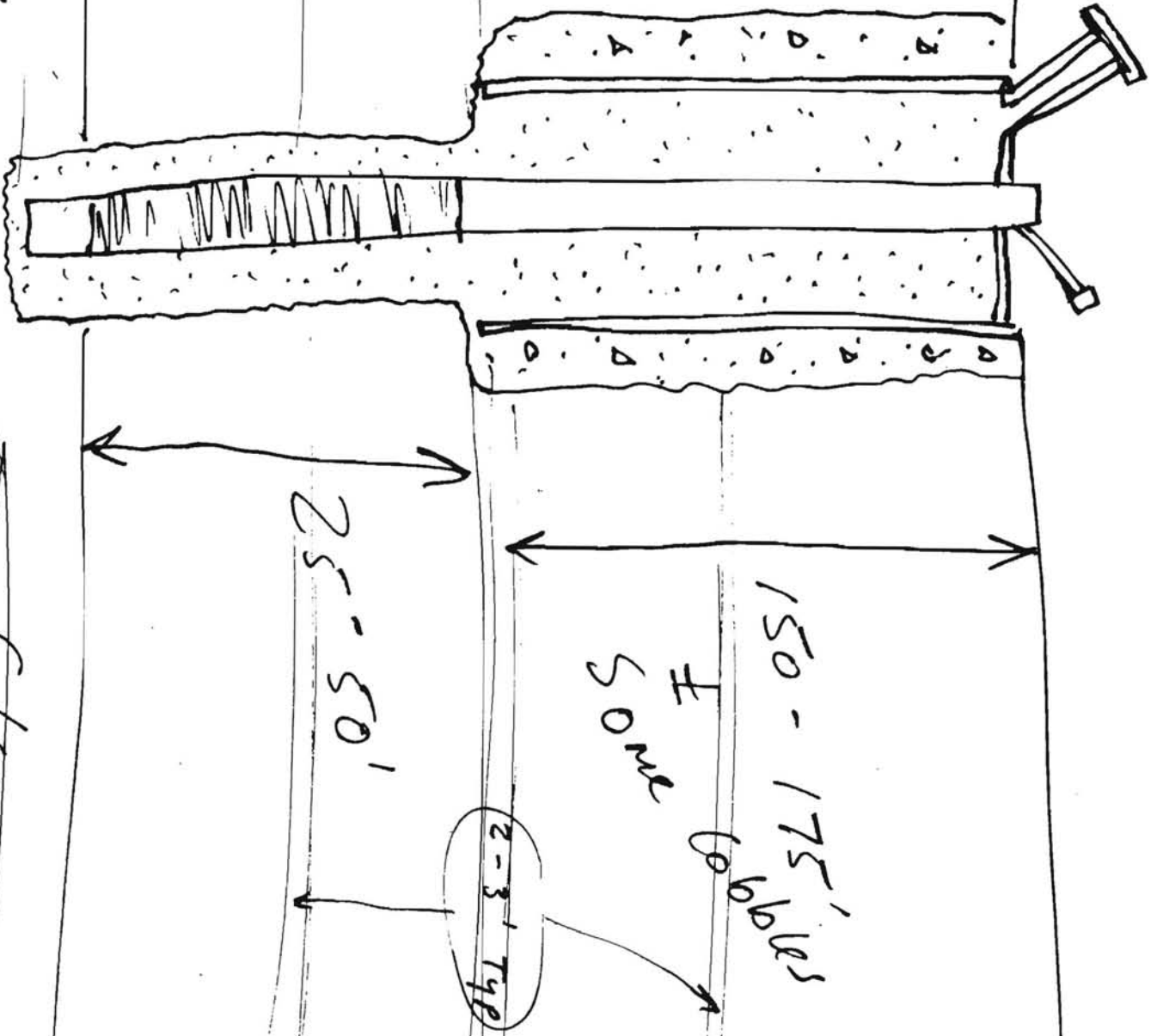
Clay

Gravel

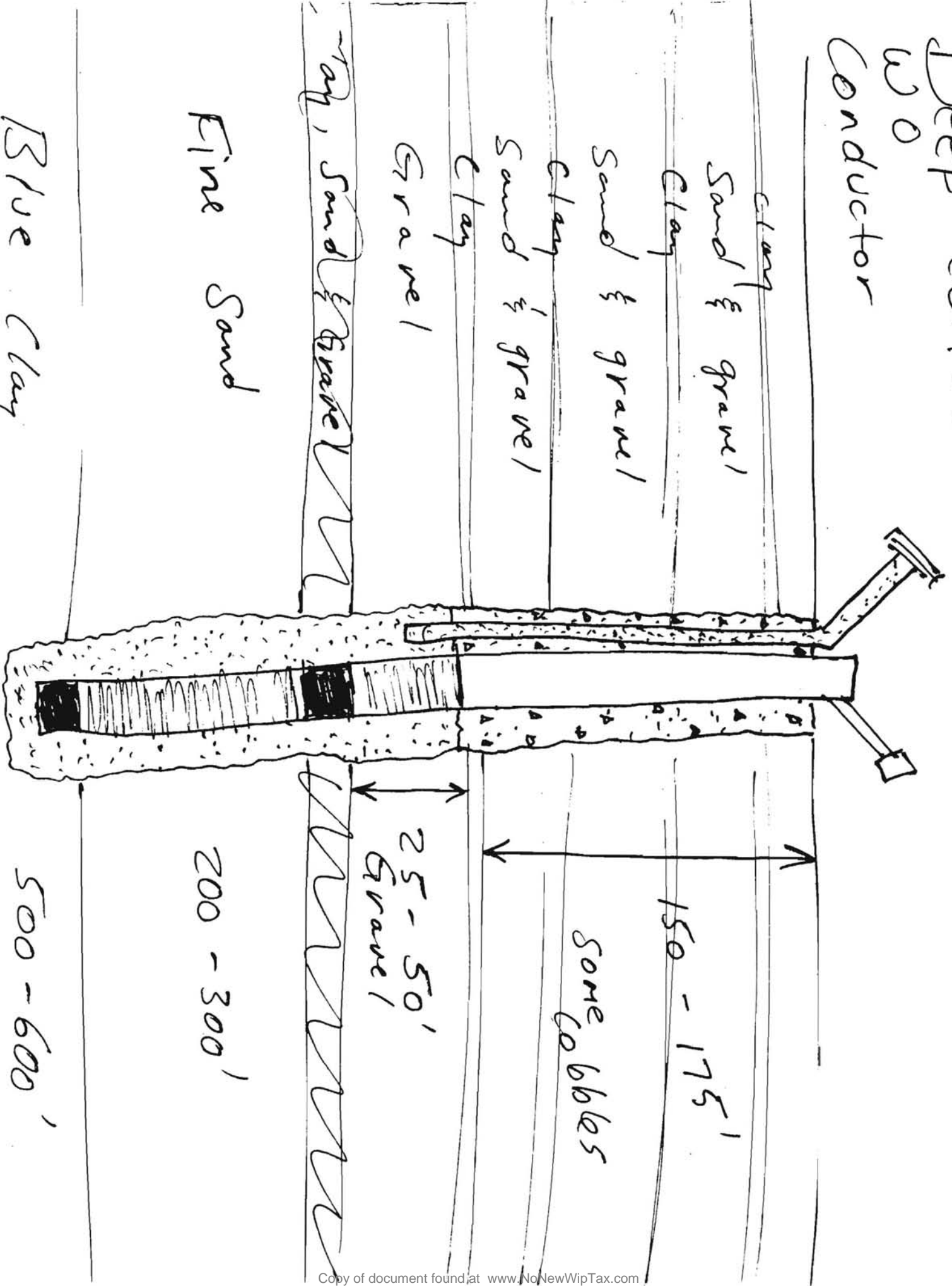
Clay & Sand

Gravel

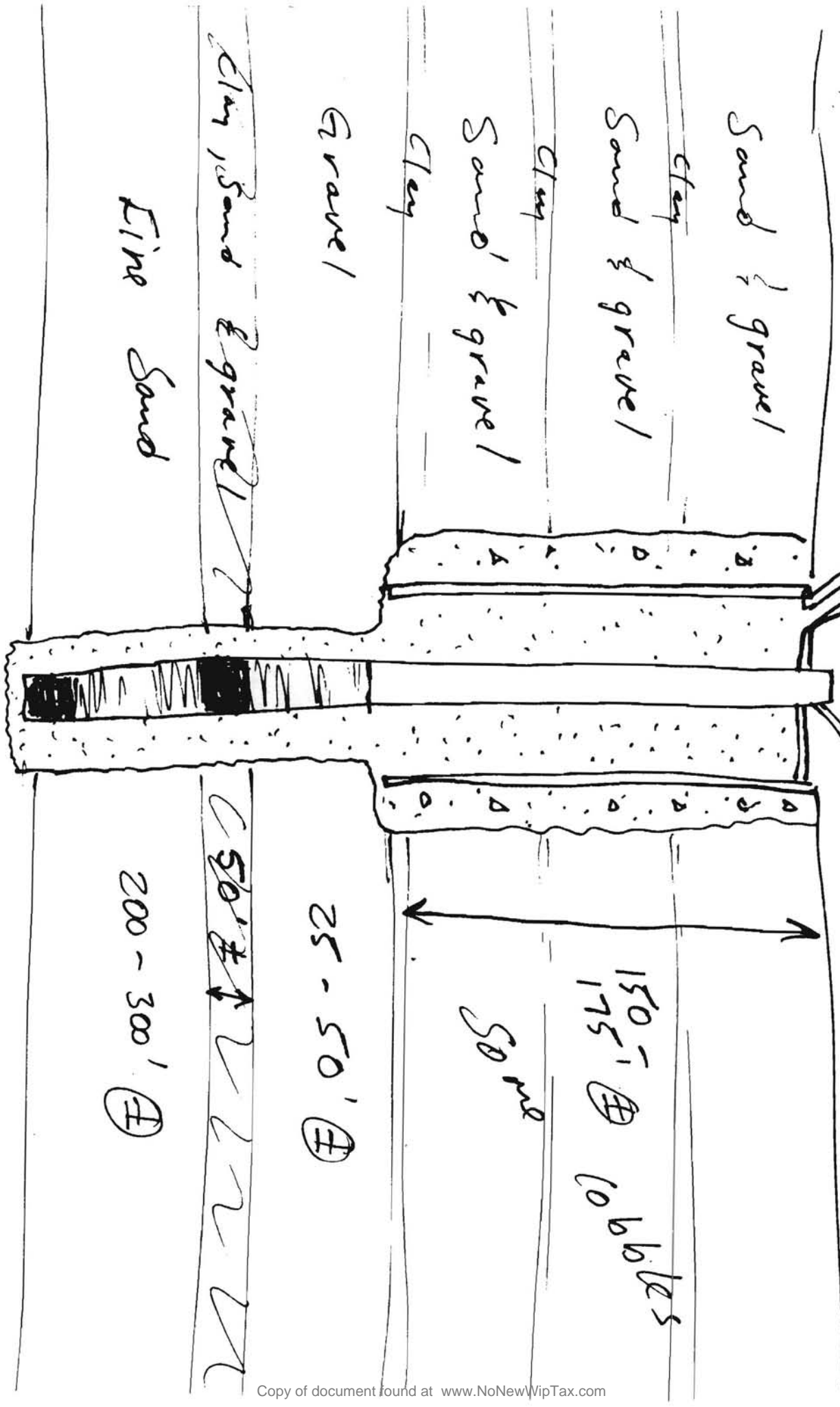
Clay



# Deep Combo W0 Conductor



# Deep Combo w/conductor



Blse Clay 5 - 600 -

TRIPPLICATE  
Owner's Copy

STATE OF CALIFORNIA

THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES  
WATER WELL DRILLERS REPORT

Do not fill in

No. 219080

Notice of Intent No. \_\_\_\_\_

Local Permit No. or Date \_\_\_\_\_

State Well No. \_\_\_\_\_

Other Well No. \_\_\_\_\_

Page # 1

(1) OWNER: Name Oceano Community Services Dist.

Address 1720 Beach St.

City Oceano, Calif. Zip 93445

(2) LOCATION OF WELL (See instructions):

County San Luis Obispo Owner's Well Number 8

Well address if different from above \_\_\_\_\_

Township 32S Range 13E Section 32

Distance from cities, roads, railroads, fences, etc. 50 ft. North of

Highway 1 & 200 ft. West of 13th St.

Oceano, Calif.

(12) WELL LOG: Total depth 540 ft. Depth of completed well 525 ft.

from ft. to ft. Formation (Describe by color, character, size or material)

0 - 10 fine sandy soil

10 - 20 brown sand silt

20 - 23 sticky brown clay

23 - 27 fine brown sand

27 - 40 3" to 5" rock & sand & gravel

40 - 80 sticky blue clay

80 - 83 med. gravel

83 - 89 blue clay

89 - 94 med. gravel

94 - 103 blue clay

103 - 126 med. gravel & a few boulders

126 - 161 Med. gravel, fine sand &

traces of clay

161 - 178 yellow clay

178 - 210 gravel & traces white clay

210 - 215 clay

215 - 225 gravel & few boulders

225 - 253 sand & gravel

253 - 268 sand & sea shells

268 - 269 hard layer gravel & sand

269 - 271 clay & gravel

271 - 272 gravel & boulders

272 - 302 blue clay & sea shells

302 - 307 sea shells, rocks & sand

307 - 336 grey sandstone & sea shells

336 - 359 tan sandstone & clay layers

359 - 363 yellow sandy clay

363 - 380 hard grey sandstone

380 - 388 hard cemented gravel & sand

388 - 396 clay & trace sandstone

396 - 403 hard sandstone

403 - 408 broken sandstone

408 - 409 sand

409 - 414 broken sandstone & sand

414 - 415 hard layer sandstone

415 - 420 sand

420 - 423 broken sandstone & white clay

423 - 427 hard sandstone

Work started 19 Completed 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

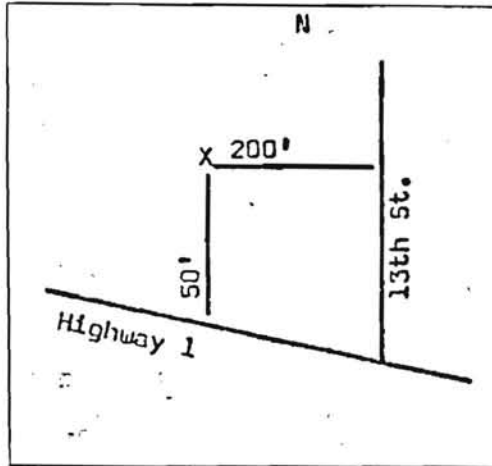
SIGNED \_\_\_\_\_ (Well Driller)

NAME \_\_\_\_\_ (Person, firm, or corporation) (Typed or printed)

Address \_\_\_\_\_

City \_\_\_\_\_ Zip \_\_\_\_\_

License No. \_\_\_\_\_ Date of this report \_\_\_\_\_



WELL LOCATION SKETCH

(3) TYPE OF WORK:

New Well  Deepening

Reconstruction

Reconditioning

Horizontal Well

Destruction  (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic

Irrigation

Industrial

Test Well

Stock

Municipal

Other

(5) EQUIPMENT:

Rotary  Reverse

Cable  Air

Other  Bucket

(6) GRAVEL PACK: Monterey Sand

Yes  No  Size 12 x 20

Diameter of bore 22"

Packed from 370 to 540 ft.

(7) CASING INSTALLED:

Steel  Plastic  Concrete

(8) PERFORATIONS:

Type of perforation or size of screen Screen

From ft. To ft. Dia. in. Gage or Wall

From ft. To ft. Slot size

0 525 12 1/2 blank

380 520 .030

520 525 blank

(9) WELL SEAL:

Was surface sanitary seal provided? Yes  No  If yes, to depth 50 ft.

Were strata sealed against pollution? Yes  No  Interval 0 - 370

Method of sealing 0 - 50 Conductor 0 - 370 cement

(10) WATER LEVELS:

Depth of first water, if known \_\_\_\_\_ ft.

Standing level after well completion \_\_\_\_\_ ft.

(11) WELL TESTS:

Was well test made? Yes  No  If yes, by whom? \_\_\_\_\_

Type of test Pump  Bailer  Air lift

Depth to water at start of test \_\_\_\_\_ ft. At end of test \_\_\_\_\_ ft.

Discharge \_\_\_\_\_ gal/min after \_\_\_\_\_ hours Water temperature \_\_\_\_\_

Chemical analysis made? Yes  No  If yes, by whom? \_\_\_\_\_

Was electric log made? Yes  No  If yes, attach copy to this report

Notice of Intent No. \_\_\_\_\_

Local Permit No. or Date \_\_\_\_\_

Page # 2

State Well No. \_\_\_\_\_

Other Well No. \_\_\_\_\_

(1) OWNER: Name Oceano Community Services Dist.

Address \_\_\_\_\_

City \_\_\_\_\_ Zip \_\_\_\_\_

(2) LOCATION OF WELL (See instructions):

County \_\_\_\_\_ Owner's Well Number 8

Well address if different from above \_\_\_\_\_

Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_

Distance from cities, roads, railroads, fences, etc. \_\_\_\_\_

(12) WELL LOG: Total depth \_\_\_\_\_ ft. Depth of completed well \_\_\_\_\_ ft.  
from ft. to ft. Formation (Describe by color, character, size or material)

427 - 461 Fine sand, Sea shells & coarse sand & sandy clay

461 - 462 hard layer sandstone

462 - 483 sea shells, fine sand & coarse sand & white clay

483 - 485 hard sandstone, sea shells imbedded

485 - 505 fine sand & white sandy clay

505 - 513 fine sand

513 - 514 layer of sandstone

514 - 523 fine sand

523 - 524 hard sandstone layer

524 - 540 fine sand & white clay

- CASING SET

0 - 380 12"ID x 1/2 blank

380 - 520 12"ID x 1/2 .030 Johnson Stainless Screen

520 - 525 12"ID x 1/2 blank

- CONDUCTOR

0 - 50 24"OD x 5/16

- EXTRAS

0 - 378 3" gravel chute

- 50 lbs. bentonite installed @ 53

- 50 lbs. chlorine

- 26 yards cement

(3) TYPE OF WORK:

New Well  Deepening

Reconstruction

Reconditioning

Horizontal Well

Destruction  (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic

Irrigation

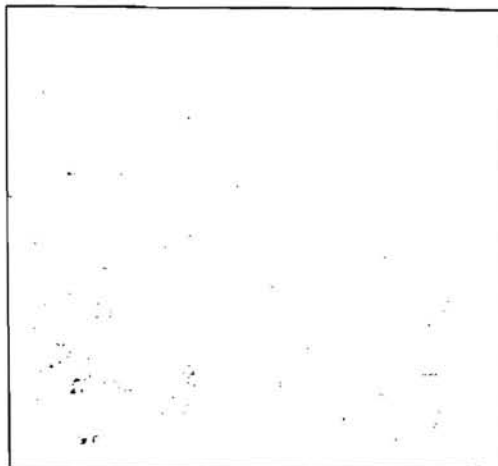
Industrial

Test Well

Stock

Municipal

Other



WELL LOCATION SKETCH

(5) EQUIPMENT:

Rotary  Reverse

Cable  Air

Other  Bucket

(6) GRAVEL PACK:

Yes  No  Size \_\_\_\_\_

Diameter of bore \_\_\_\_\_

Packed from \_\_\_\_\_ to \_\_\_\_\_ ft.

(7) CASING INSTALLED:

Steel  Plastic  Concrete

(8) PERFORATIONS:

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size

(9) WELL SEAL:

Was surface sanitary seal provided? Yes  No  If yes, to depth \_\_\_\_\_ ft.

Were strata sealed against pollution? Yes  No  Interval \_\_\_\_\_ ft.

Method of sealing \_\_\_\_\_

(10) WATER LEVELS:

Depth of first water, if known \_\_\_\_\_ ft.

Standing level after well completion \_\_\_\_\_ ft.

(11) WELL TESTS:

Was well test made? Yes  No  If yes, by whom? \_\_\_\_\_

Type of test Pump  Bailer  Air lift

Depth to water at start of test \_\_\_\_\_ ft. At end of test \_\_\_\_\_ ft.

Discharge \_\_\_\_\_ gal/min after \_\_\_\_\_ hours Water temperature \_\_\_\_\_

Chemical analysis made? Yes  No  If yes, by whom? \_\_\_\_\_

Was electric log made? Yes  No  If yes, attach copy to this report

Work started 5/30 19 84 Completed 6/12 19 84

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED \_\_\_\_\_ (Well Driller)

NAME Myers Brothers, Inc.

(Person, firm, or corporation) (Typed or printed)

Address 8650 E. Lacey Blvd.

City Hanford, Calif. Zip 93230

License No. 280310 Date of this report 6/22/84

TRIPPLICATE  
Owner's Copy

STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
WATER WELL DRILLERS REPORT

Do not fill in

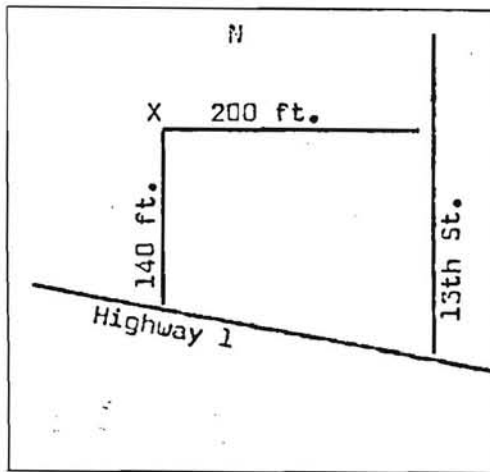
No. 219084

Notice of Intent No. \_\_\_\_\_  
Local Permit No. or Date \_\_\_\_\_

State Well No. \_\_\_\_\_  
Other Well No. \_\_\_\_\_

(1) OWNER: Name Oceano Community Services Dist.  
Address 1720 Beach St.  
City Oceano, Calif. Zip 93445

(2) LOCATION OF WELL (See instructions):  
County San Luis Obispo Owner's Well Number 7  
Well address if different from above \_\_\_\_\_  
Township 32S Range 13E Section 32  
Distance from cities, roads, railroads, fences, etc. 140 ft. North of Highway 1 & 200 ft. West of 13th St., Oceano, Calif.



- (3) TYPE OF WORK:  
New Well  Deepening   
Reconstruction   
Reconditioning   
Horizontal Well   
Destruction  (Describe destruction materials and procedures in Item 12)  
(4) PROPOSED USE:  
Domestic   
Irrigation   
Industrial   
Test Well   
Stock   
Municipal   
Other

(12) WELL LOG: Total depth 170 ft. Depth of completed well 162  
from ft. to ft. Formation (Describe by color, character, size or material)

0	-	10	fine sandy soil
10	-	20	brown & white silt
20	-	25	brown silt & rocks 3" to 5"
25	-	29	Rocks 3" to 6" & clay
29	-	30	brown sand
30	-	42	rock & sand & clay
42	-	50	sticky blue clay
50	-	71	blue clay
71	-	100	gravel
100	-	104	blue clay
104	-	126	coarse gravel & sand
126	-	156	fine sand
156	-	170	fine sand & tan clay & silt

CASING SET

0	-	90	10" ID x 1/2 blank
90	-	140	10" ID x 1/2 .030 Johnson Stainless screen
140	-	162	10" ID x 1/2 blank

CONDUCTOR

0	-	50	24" OD x 5/16
---	---	----	---------------

EXTRAS

0	-	84	3" gravel chute
-	-	-	50 lbs. bentonite @ 160'
-	-	-	15 lbs. chlorine
-	-	-	7 1/2 yards cement

- (5) EQUIPMENT:  
Rotary  Reverse   
Cable  Air   
Other  Bucket

- (6) GRAVEL PACK: flourishy Sand  
Yes  No  Size 12 x 20  
Diameter of bore 20"  
Packed from 65 to 170 ft.

- (7) CASING INSTALLED:  
Steel  Plastic  Concrete

- (8) PERFORATIONS: Screen  
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	162	10"	1/2	0	90	blank
		10"		90	140	.030
				140	162	blank

- (9) WELL SEAL:  
Was surface sanitary seal provided? Yes  No  If yes, to depth 50 ft.  
Were strata sealed against pollution? Yes  No  Interval 0 - 65 ft.  
Method of sealing 0 - 50 conductor 0 - 65 cement

- (10) WATER LEVELS:  
Depth of first water, if known \_\_\_\_\_ ft.  
Standing level after well completion \_\_\_\_\_ ft.

- (11) WELL TESTS:  
Was well test made? Yes  No  If yes, by whom? \_\_\_\_\_  
Type of test Pump  Bailer  Air lift   
Depth to water at start of test \_\_\_\_\_ ft. At end of test \_\_\_\_\_ ft.  
Discharge \_\_\_\_\_ gal/min after \_\_\_\_\_ hours Water temperature \_\_\_\_\_  
Chemical analysis made? Yes  No  If yes, by whom? \_\_\_\_\_  
Was electric log made? Yes  No  If yes, attach copy to this report

Work started 6/12 19 84 Completed 6/15 19 84

WELL DRILLER'S STATEMENT:  
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED \_\_\_\_\_ (Well Driller)  
NAME Myra Brothers, Inc.  
(Person, firm, or corporation) (Typed or printed)  
Address 8650 E. Lacey Blvd.  
City Hanford, Calif. Zip 93230  
License No. 200310 Date of this report 6/22/84



RECORDING REQUESTED BY  
Ticor Title Insurance Company

3/20/84 9339 6

5.00 61  
50.00 01  
60.00 TITL

AND WHEN RECORDER MAIL TO

Name: Farrol Industrial Center  
Street Address: 1620 East McFadden Ave.  
City & State: Santa Ana, CA 92705

Same as above

DOC. NO. 13832  
OFFICIAL RECORDS  
SAN LUIS OBISPO CO., CA

MAR 20 1984  
FRANCIS M. COONEY  
County Clerk-Recorder  
TIME 8:00 AM

SPACE ABOVE THIS LINE FOR RECORDER'S USE

### Corporation Grant Deed

10-1981 CA 116 741

THIS FORM FURNISHED BY TICOR TITLE INSURANCE

A.P.N. 60-544-05-953

The undersigned grantor(s) declare(s):

Documentary transfer tax is \$ 55.00

computed on full value of property conveyed, or

computed on full value less value of liens and encumbrances remaining at time of sale.

Unincorporated area: IN City of Grover City, and

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged.

THE CITY OF PISMO BEACH, a Municipal corporation

a corporation organized under the laws of the State of California

hereby GRANTS to

FARROL INDUSTRIAL CENTER, a general partnership,

the following described real property in the County of San Luis Obispo, State of California:

Lot 28 in Block 5 of the Resubdivision No. 3 of a Part of Lot 1 of Pismo Beach Gardens, in the City of Grover City, County of San Luis Obispo, State of California, according to the Map thereof recorded in Book 3, Page 77 of Maps, in the office of the County Recorder of said county.

RESERVING therefrom an easement for the location of one well site and incidental purposes, as more particularly described on Exhibit "A" attached hereto and made a part hereof.

In Witness Whereof, said corporation has caused its corporate name and seal to be affixed hereto and this instrument to be executed by its President and Secretary thereunto duly authorized.

Dated: February 13, 1984

STATE OF CALIFORNIA } ss.

COUNTY OF San Luis Obispo

On Feb 27, 1984 before me, the undersigned, a Notary Public in and for said State, personally appeared

Bill Richardson known to me to be the President, and

Terry A. Briscoe known to me to be Secretary of the Corporation that executed the within instrument. Known to me to be the persons who executed the within instrument on behalf of the Corporation therein named, and acknowledged to me that each Corporation executed the within instrument pursuant to its by-laws or a resolution of its board of directors.

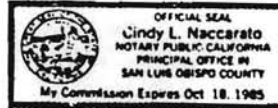
WITNESS my hand and official seal.

Signature: Cindy L. Naccarato

THE CITY OF PISMO BEACH

By: Bill Richardson President

By: Terry A. Briscoe Secretary



(This area for official material used)

Title Order No.

Escrow or Loan No. 14178-AC

MAIL TAX STATEMENTS AS DIRECTED ABOVE

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14178 P

**EXHIBIT "A"**

Reserving therefrom an easement for the location of one well site and incidental purposes if and when needed by Grantor herein over the northerly 50 feet of the westerly 50 feet of the land herein conveyed. Said 50' by 50' easement shall remain in perpetuity and shall be binding upon the Grantee(s), his successors and assigns. If the parties should agree to a sooner termination date, Grantor will immediately quitclaim its interest in said easement by deed or any other instrument required by a title company to clear title.

The City of Pismo Beach shall, upon exercise and use of its easement rights herein, bear all costs and assume all responsibility for physical damage to the property conveyed herein including but not limited to the cost of replacement of parking facilities, asphalt, concrete, and landscaping located upon said property.

Grantee, its successors and assigns shall have the rights to use said 50' x 50' easement area for landscaping and parking purposes (but no permanent parking structures), including improvements thereon, until the Grantor exercises its rights to use said easement. Grantor shall give Grantee written notice personally or by certified mail of its desire to exercise its rights herein at least thirty (30) days prior to exercising its rights.

Upon exercise of the use of the easement described hereinabove, Grantor shall place, as soon as reasonably practicable, its water well in a certain defined location within the above-described 50' by 50' easement area. Said location shall lie within an area no greater than 15' x 25'. Once said 15' by 25' location is determined by Grantor and the water well is placed thereon, then the Grantor and Grantee shall execute and record a new easement agreement which fully describes the final water well location together with easements for access and pipelines appurtenant thereto.

The hereinabove easements and agreements with respect thereto shall bind and inure to the benefit of the respective heirs, personal representatives, successors and assigns of Grantor and Grantee.

**END OF DOCUMENT**

W. 2576 REC 538

ITEM	DESCRIPTION	QUANTITY	UNIT	ENGINEERS ESTIMATE		R BAKER, INC.		CHARLES A PRATT CONS CO.		SUBGRADE CONS CO.	
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT
8	PUMP CONTROL VALVE, 4"	LUMP SUM		2,800	2,800	2,300	2,300	2,300	2,300	2,320	2,320
9	CHECK VALVE, 10"	LUMP SUM		4,500	4,500	3,615	3,615	3,850	3,850	3,355	3,355
10	PRESSURE RELIEF VALVE, 4"	LUMP SUM		1,600	1,600	1,244	1,244	1,225	1,225	1,066	1,066
11	WELL SITE PIPING, VALVES, AND SUPPORTS	LUMP SUM		7,200	7,200	9,585	9,585	20,400	20,400	22,410	22,410
12	CHEMICAL AND ELECTRICAL BUILDING	LUMP SUM		5,000	5,000	7,380	7,380	10,400	10,400	7,712	7,712
13	PAINTING WELL SITE PIPING AND APPURTENANCES	LUMP SUM		500	500	650	650	1,000	1,000	900	900
14	CHEMICAL FEED & CHLORINATION EQUIPMENT	LUMP SUM		7,400	7,400	8,000	8,000	8,900	8,900	5,377	5,377
NOTE: THE CONTRACTOR SHALL SUPPLY ONE ELECTRICAL WORK & TELEMETRY ACCORDING TO THE DISCHARGE CAPACITY SELECTED BY THE ENGINEER											
	TELEMETRY	LUMP SUM		28,000	28,000	31,930	31,930	30,600	30,600	31,515	31,515
16	ELECTRICAL WORK & TELEMETRY 1001-1200 GPM	LUMP SUM		34,000	34,000	36,247	36,247	34,700	34,700	35,627	35,627
17	ELECTRICAL WORK & TELEMETRY 1201-1400 GPM	LUMP SUM		34,000	34,000	36,245	36,245	34,900	34,900	35,800	35,800
18	ELECTRICAL WORK & TELEMETRY 1401-1600 GPM	LUMP SUM		34,000	34,000	37,341	37,341	35,800	35,800	36,702	36,702
NOTE: THE ENGINEER WILL SELECT ONE SIZE											
19	8" STATIC MIXER, REDUCERS AND 10" GATE VALVE	LUMP SUM		3,100	3,100	3,180	3,180	2,200	2,200	3,306	3,306
20	10" STATIC MIXER AND GATE VALVE	LUMP SUM		3,300	3,300	3,340	3,340	2,300	2,300	3,581	3,581
21	12" STATIC MIXER, INCREASERS, & 10" GATE VALVE	LUMP SUM		3,600	3,600	4,790	4,790	3,800	3,800	5,393	5,393
22	WELL SITE FENCING	140	LF	12-	1,680	25-	3,500	18-	2,520	21 <sup>00</sup>	3,038
23	10" ASBESTOS CEMENT PIPE (NOTE: 480 LF @ LOCATION 2)	175	LF	20-	3,500	24-	4,200	18-	3,150	33 <sup>00</sup>	5,901
24	WATER MAIN TIE IN	LUMP SUM		1,000	1,000	600	600	1,200	1,200	1,682	1,682
25	AGGREGATE BASE (LOCATION 2 ONLY)	1920	SF	1-	1,920	0 <sup>00</sup>	960	1 <sup>25</sup>	2,400	0 <sup>00</sup>	1,632
26	ASPHALT CONCRETE (LOCATIONAL 2 ONLY)	1920	SF	1-	1,920	1 <sup>00</sup>	2,112	2-	3,840	0 <sup>00</sup>	1,536
27	8" CORRUGATED STEEL PIPE (NOTE: 105 LF @ LOCATION 2)	55	LF	25-	1,375	35-	1,925	36-	1,980	32-	1,760
28	UNDERGROUND UTILITIES	40	LF	5-	200	10-	400	3-	120	3 <sup>00</sup>	122
29	4" UNDERGROUND UTILITY CONDUIT	120	LF	4-	480	3-	360	4-	480	4 <sup>00</sup>	511
30	FINISH ROADWAY	LUMP SUM		500	500	500	500	1,200	1,200	720	720
31	STARTUP	LUMP SUM		1,000	1,000	1,500	1,500	750	750	800	800
TOTAL OF ITEMS 3, 5, 7-14, 17, 20 AND 22-31						139,875		162,415		155,600	
BASE BID PRIOR TO SELECTED ITEMS						137,328		157,253 <sup>00</sup>		170,285	
BID TOTALS 800-1000 GPM						215,928		256,685		279,140	
BASED ON 1001-1200 GPM						227,128		257,184 <sup>00</sup>		286,200	
DISCHARGE 1201-1400 GPM						232,128		258,952 <sup>00</sup>		287,250	
CAPACITY SELECTED 1401-1600 GPM						242,228		269,208 <sup>00</sup>		295,200	
ANTICIPATED SELECTION FOR CASH						232,128		258,952 <sup>00</sup>		264,585	

ITEM	DESCRIPTION	QUANTITY	UNIT	ENGINEERS ESTIMATE		MAGGIORA BROS DRILLING		FLOYD V WELLS		UNIT COST	AMOUNT
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT		
<b>TEST WELL</b>											
1	MOBILIZATION	1	EA	3,110	3,110	2,110	2,110	1,500	1,500	-	-
2	DEMOBILIZATION	1	EA	2,010	2,010	1,710	1,710	1,500	1,500	-	-
3	STANDBY TIME	2	HR	150	300	120	240	90	180	-	-
4	DRILL 1 1/2 TO 8 3/4 INCH DIAMETER BOREHOLE	550	LF	5 <sup>20</sup>	2,860	5 <sup>20</sup>	2,860	12	6,600	-	-
5	GEOPHYSICAL LOGGING OF BOREHOLE	LUMP SUM		1,650	1,650	1,575	1,575	1,160	1,160	-	-
6	2 INCH TEST WELL CASING	240	LF	7	1,680	6 <sup>25</sup>	1,596	3	720	-	-
7	2 INCH TEST WELL SCREEN	310	LF	9	2,790	8 <sup>30</sup>	2,759	5	1,550	-	-
8	TEST WELL CENTERING GUIDE	42	EA	11	462	10	420	6	252	-	-
9	GRAVEL PACK	5	CY	225	1,125	202	1,010	160	800	-	-
10	BENTONITE & CEMENT SEAL	LUMP SUM		1,900	1,900	1,845	1,845	1,600	1,600	-	-
11	DISINFECT TEST WELL	LUMP SUM		260	260	240	240	1,600	1,600	-	-
12	TEST WELL DEVELOPMENT	8	HR	360	2,880	219	1,752	135	1,080	-	-
TOTAL OF ALL ITEMS					21,027		18,117		18,542		
<b>PRODUCTION WELL</b>											
1	MOBILIZATION	1	EA	3,930	3,930	3,360	3,360	3,000	3,000	-	-
2	DEMOBILIZATION	1	EA	3,744	3,744	3,200	3,200	1,800	1,800	-	-
3	STANDBY TIME	4	HR	187	748	160	640	90	360	-	-
4	DRILL 32 INCH DIAMETER BOREHOLE	240	LF	36	8,640	50	12,000	52	12,480	-	-
5	26 INCH DIAMETER CONDUCTOR CASING	240	LF	52	12,480	44	10,560	49	11,760	-	-
6	SEAL CONDUCTOR CASING	LUMP SUM		6,090	6,090	5,205	5,205	3,000	3,000	-	-
7	DRILL 24 INCH DIAMETER BOREHOLE	260	LF	17 <sup>50</sup>	4,550	25	6,500	40	10,400	-	-
8	STEEL PRODUCTION WELL SCREEN	240	LF	75	18,000	64	15,360	39	9,360	-	-
9	PLASTIC PROD. WELL SCREEN INCLUDING CENTER GUIDE HOOPS	240	LF	110	26,400	103 <sup>82</sup>	24,928 <sup>80</sup>	73	17,520	-	-
10	STEEL PRODUCTION WELL CASING	260	LF	33	8,580	28	7,280	24 <sup>50</sup>	6,370	-	-
11	PLASTIC PROD. WELL CASING INCLUDING CENTERING GUIDE HOOPS	260	LF	50	13,000	46 <sup>80</sup>	12,183 <sup>60</sup>	39	10,140	-	-
12	3/4 INCH CHEMICAL INDUCT PIPE	240	LF	4 <sup>25</sup>	1,140	4	960	1	240	-	-
13	PERFORATED 3/4 INCH CHEMICAL INDUCTION PIPE	260	LF	5 <sup>65</sup>	1,521	5	1,300	1 <sup>20</sup>	390	-	-
14	CONDUCTOR CASING, WELL CASING & WELL SCREEN CENTERING GUIDE	75	EA	3 <sup>50</sup>	262 <sup>50</sup>	3	225	10	750	-	-
15	GRAVEL PACK	35	CY	140	4,900	121	4,235	160	5,600	-	-
16	PLUMBNESS & ALIGNMENT TEST	LUMP SUM		800	800	685	685	850	850	-	-
17	GRAVEL FILL PIPE, SOUNDING TUBE AND WELL CAP	LUMP SUM		1,450	1,450	1,240	1,240	225	225	-	-
18	DISINFECT WELL	LUMP SUM		470	470	400	400	3,200	3,200	-	-
19	WELL DEVELOPMENT	4	HR	235	940	200	800	145	580	-	-
20	FURNISH, INSTALL & REMOVE TEST PUMP TO 350 FEET	LUMP SUM		5,620	5,620	4,800	4,800	3,100	3,100	-	-
21	FURNISH, INSTALL & REMOVE TEST PUMP IN EXCESS OF 350 FEET	100	LF	19	1,900	16	1,600	2	200	-	-
22	PRODUCTION TESTING	12	HR	105	1,260	90	1,080	85	1,020	-	-
TOTAL FOR STEEL EXCEPT ITEMS 9, 11, & 21					85,125 <sup>50</sup>		79,830		74,485		
TOTAL FOR PLASTIC EXCEPT ITEMS 8, 10, & 21					97,945 <sup>80</sup>		94,302 <sup>60</sup>		86,415		
TOTAL ALL ITEMS STEEL					106,152 <sup>50</sup>		97,947		33,027		
TOTAL ALL ITEMS PLASTIC					118,972 <sup>50</sup>		112,419 <sup>60</sup>		104,957		

ITEM	DESCRIPTION	QUANTITY	UNIT	ENGINEERS ESTIMATE		R Baker, Inc.		Jamieson Const. Co.		R P Richard Inc.	
				UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT
1	Pump, Lineshaft & Driver	Lump Sum		-	47,300	-	36,350	-	36,950	-	35,000
2	W 20 U Desander	Lump Sum		-	12,650	-	9,430	-	9,500	-	9,000
3	10" Flowmeter	1	ea	-	2,500	1,800	1,800	1,600	1,600	1,700	1,700
4	8" Flowmeter	1	ea	-	2,300	1,600	1,600	1,500	1,500	1,500	1,500
5	6" Flowmeter w/meter box	3	ea	2,300	6,900	2,500	7,500	2,635	7,905	1,900	4,200
6	Pump Control Valve, 4"	Lump Sum			2,530	-	2,275	-	1,430	-	3,200
7	Check Valve, 10"	Lump Sum			3,960	-	4,035	-	3,205	-	2,200
8	Pressure Relief Valve, 4"	Lump Sum			1,350	-	1,200	-	920	-	1,200
9	Well Site #6 Piping, valves & Supports	Lump Sum			15,000	-	9,600	-	9,820	-	8,000
10	Chemical & Electrical Building	Lump Sum			8,800	-	6,500	-	9,350	-	10,000
11	Painting Well Site #6 Piping & Appurtenances	Lump Sum			1,050	-	650	-	900	-	2,000
12	Chemical Feed & Chlorination Equipment	Lump Sum			8,800	-	10,000	-	8,000	-	7,000
13	Electrical Work	Lump Sum			35,200	-	20,365	-	20,900	-	20,000
14	3" Telemetry Conduit, Cable & Junction Boxes	3,260	LF	700	22,820	1150	37,490	243	40,521.80	1300	42,380
15	Outdoor Pull Box	15	ea	200.00	3,000	200	3,000	210	3,150	200	3,000
16	16" Static Mixer	Lump Sum			5,000	-	6,580	-	3,950	-	4,200
17	10" Asbestos Cement Pipe	795	LF	22.00	17,490	17.90	14,230.50	20.42	16,233.90	15.50	12,322.50
18	12" Asbestos Cement Pipe	2,350	LF	28.00	65,800	19.55	45,942.50	25.06	58,891	18.50	43,475
19	8" RW or RS Gate Valve	4	ea	500.00	2,000	540	2,160	540	2,160	800	3,200
20	10" RW or RS Gate Valve	6	ea	600.00	3,600	800	4,800	840	5,040	1200	7,200
21	12" RW or RS Gate Valve	3	ea	700.00	2,100	970	2,910	940	2,820	1800	5,400
22	Water Main Tie In at Existing 10" A.C.P.	Lump Sum			1,000	-	630	-	1,050	-	3,000
23	Water Main Tie In at Elm Street	Lump Sum			800	-	760	-	1,100	-	3,500
24	Water Main Tie In at Well # 3	Lump Sum			3,000	-	930	-	1,215	-	3,500
25	Water Main Tie In at wells # 1 & # 4	Lump Sum			1,500	-	2,150	-	1,410	-	4,000
26	Water Main Tie In at Well # 5	Lump Sum			1,000	-	2,100	-	3,510	-	2,000
27	Water Main Tie In at Well # 6	Lump Sum			500	-	600	-	1,000	-	2,000
28	Well Site Fencing	140	LF	24.00	3,360	10.00	1,400	13.00	1,820	11.00	1,540
29	18" Corrugated Steel Pipe & Rip Rap	55	LF	38.50	2,117.50	25.00	1,375	40.00	2,200	30.00	1,650
30	Underground Utilities	40	LF	10.00	400	4.00	160	4.00	160	4.00	160
31	4" Underground Utility Conduit (P&E)	120	LF	5.00	600	7.00	840	6.00	720	6.00	720
32	Aggregate Base	4,500	SF	70	3150	0.75	3,375	.50	2,250	.70	3,150
33	Asphalt Concrete	4,500	SF	90	4050	1.15	5,175	.50	2,250	1.40	6,300
34	Finish Roadway	Lump Sum			1,000	-	450	-	400	-	5,200
35	Startup	Lump Sum			2,000	-	750	-	2,500	-	5,000
36	Total of all Items				\$294,627.50		\$249,173		\$266,331		\$267,897
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