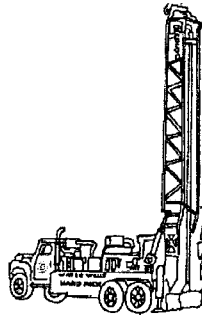


Water Wells

Lic. 504769



11438 Sumac Lane, Camarillo, CA 93012
(O) 805.491.2926 - (F) 805.491.2861

Proposal/Contract

Client Name: Romaldo Water Company All Phone #s: APN: 153-100-03
 Billing Address: Parcel Size: Job Site: 5639 West Camino Cielo, Santa Barbara
 Owner's Name, Address & Phone: (if different from above): Drilling Type: Air Rotary Down Hole Hammer
 Est. Drill Depth: 700'
 Est. Seal Depth: 50'
 Lender's Name, Address & Phone: (if any) Bore Diameter: 10"
 Well Liner Dia: 5" ID

Notice to Client:

DCA Drilling, license #504769, proposes to furnish labor/equipment necessary to drill a well only, at owner-specified location. Risk of dry well rests with client/owner. DCA Drilling does not guarantee the existence or usability of ground water, or assume any responsibility for quality, mineral, bacterial or chemical content of water or testing thereof.

Revised Estimate: \$ 108,650

All depths listed above (& on pg. 2 Est. Breakdown) are estimates. Invoicing is based on actual depths.

This price does not include any excavating from well site to house, backfilling the ditch, any removal or cleanup of debris incurred while drilling, drilling spoils, runoff, etc., unless included in writing by DCA.

In the event of encountering an artesian aquifer, excessive water runoff, or any unforeseen condition, the cost to control it lies with client/owner. DCA can perform this work, if needed, as an extra.

If unforeseen drilling conditions are encountered and switching from rock to mud drilling is required, DCA will be paid for drilled footage completed and a new estimate for mud will be provided. DCA is to be paid for footage drilled, material used and/or time invested, regardless of whether a usable well is attained.

If DCA is not able to complete the estimated depth of a well due to caving, too much water, or unknown conditions, DCA shall be paid for footage drilled, material used and time invested and is due upon move off/invoice

DCA guarantees the well bore to be straight enough for the pump to be pulled /serviced and the well's structural integrity to hold up for 20 years, except for damage due to any natural disasters, such as earthquakes, etc. or vandalism. If not, DCA will drill a new well at no charge.

Extra: If caving occurs, steel casing (or cement) will be needed to keep hole open. This is an extra, either by the foot and/or our current hourly rate of \$575/hr, for caving or any unforeseen condition.

Should this matter be placed with an attorney for collection, client/owner shall pay all associated attorney's fees and costs. Venue for any action based upon this contract or work performed hereunder shall be in Ventura County, CA

Payment: Permit fee + approximately 10% of Estimate. Due upon receipt of invoice or a service charge of 1.5%/mo (18%/annum) will be charged on amount not paid when due.

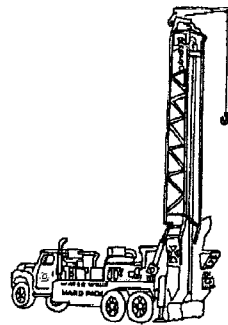
Read and accepted by: William E. Howard 16 May 17 please initial above lines

Client/Owner Signature	Printed Name	Date
<u>Ken Patrick</u>	<u>Ken Patrick</u>	<u>May 15 2017</u>
DCA Drilling:	Printed Name	Date

Proposal is good for 30 days, but may be withdrawn @ any time by DCA Drilling.

Water Wells

Lic. 504769



11438 Sumac Lane, Camarillo, CA 93012
(O) 805.491.2926 - (F) 805.491.2861

Estimate Breakdown

Page 2 – Proposal/Contract

Well Size 10" Bore

Permit County Fee (incl. DCA in-house processing)			\$ <u>NA</u>
Mobilize/Demobilize	@ \$3,200/hr.	x _____	\$ <u>4,000</u>
Pre-grading tractor work	@ \$120/hr.	x _____	\$ <u>2,700</u>
HARD ROCK DRILLING:			
Deepening : Go down empty hole – to deepen	@ \$ 8/ft.	x _____	\$ _____
Deepening: Pull existing liner, clean out filter rock material	\$ _____/ft.	x _____	\$ _____
Test Hole reduced rate	@ \$ 20/ft.	x _____	\$ _____
Air Drill 0 – 600' - 5"6"/7"	@ \$40/\$45/\$50/ft.	x _____	\$ _____
Air Drill 0- 600' -8"9"/*10"/*12"	@ \$60/\$70/*\$100/*\$110	x <u>700'</u>	\$ <u>70,000</u>
Air Drill 601' – 800' - 5"6"/7"	@ \$45/\$50/\$55/ft.	x _____	\$ _____
Air Drill 601' – 800' - 8"9"/*10"/*12"	@\$65//\$75/*\$105/*\$115ft.	x _____	\$ _____
Air Drill 801' – 1,200' - 5"6"/7"	@ \$55/\$60/\$65/ft.	x _____	\$ _____
Air Drill 801' – 1,200' 8"9"/*10"/*12"	@\$75/\$80/*\$110/*\$125ft	x _____	\$ _____
Ream hole from _____" to _____"	@ \$ _____/ft.	x _____	\$ _____
Cost of Slotting Steel Casing	@ \$15/ft.	x _____	\$ _____
5"6"/8"/*10" steel casing cost welding & installing	@\$45/\$55/\$68/\$120ft	x _____	\$ _____
* Includes cost of extra 1,000 cfm. Compressor. Add delivery of \$ 3,000		x _____	\$ <u>Included</u>

WELL SPECS
Seal Dia. 12"
Seal Depth 50'+
Well Dia. 10"
Well Depth 700
Well Liner 5" ID.

ANNULAR SANITARY SEALS

Drill 12" annular, seal w/10-sack cement slurry, 6" steel casing:	@\$145/ft	x _____	\$ _____
Drill 12" annular, seal w/10-sack cement slurry, 10" steel casing	@ \$165/ft.	x <u>50'</u>	\$ <u>8,200</u>
Drill 15"to18" seal w/10-sack cement slurry, 10" steel casing:	@ \$180/ft.	x _____	\$ _____

LINERS SDR/PVC 4.5"/5"/6"/8"/10" @ \$18/\$22/\$26/\$32/\$48/ft

Filter rock (#12 Silica)6"/8"/10"/12"	@\$5/\$7/\$10/\$12ft.	@ \$ 11	x <u>700'</u>	\$ <u>15,400</u>
x Extreme or unforeseen condition occurs	@ \$575/hr.	x _____	\$ _____	
x If caving occurs, fill w/quick set cement.	@ \$3,200/time	x _____	\$ _____	
Hi-Teck 100-50 hole conditioner	@ \$260/5-gal.	x _____	\$ _____	
x Hydrofoam	@ \$225/5-gal.	x _____	\$ _____	
Polymer drilling fluid	@ \$135/7 lbs.	x _____	\$ _____	
De-commission well –Set up \$3,500 plus 6"/8"/12"	@\$5/\$7/\$10	x _____	\$ _____	

MUD DRILLING:

Mud drilling/setup – Min. \$7,500 – 6"/8"/9"	@ \$95/\$105/\$110/ft.	x _____	\$ _____
10"/12"/14"/16"	@ \$120/\$130/\$150/170/ft.	x _____	\$ _____
E log: (For the locate where water is coming in)	\$3,500	x _____	\$ _____
Irrigation Well Development Pump (Air)	@ \$625/hr.	x _____	\$ _____
Vacuum service and mud dump (2,500 gal.)	@ \$1,200/load	x _____	\$ _____
Wellhead 6"thick concrete slab 7'x7' or 5'x5'	@ \$1,200	x _____	\$ _____
Wellhead 6" thick concrete slabs 7' x 7' or <u>5' x 5'</u>	@ \$1,200	x <u>1</u>	\$ <u>1,200</u>

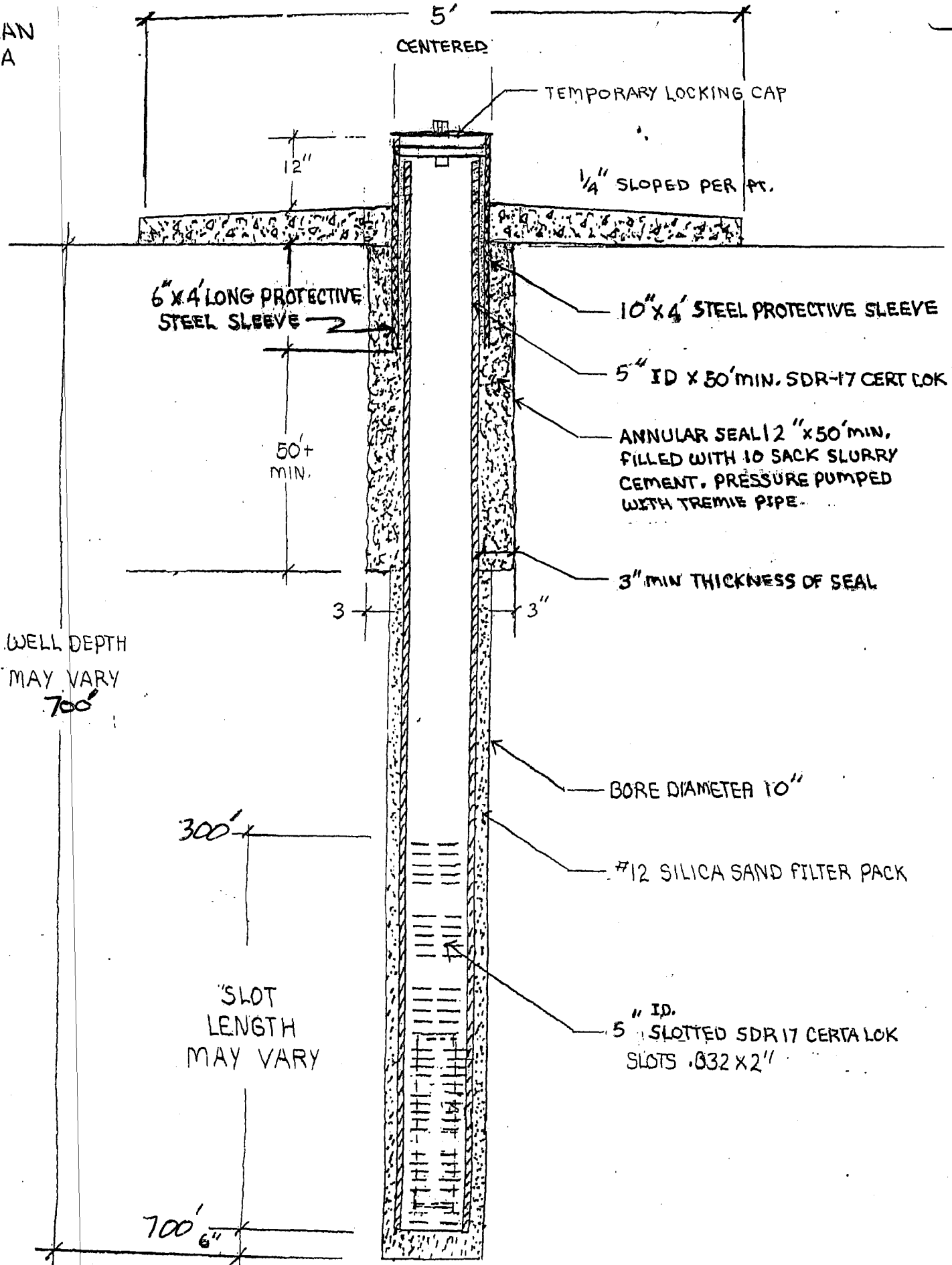
Total Estimate* FT. 700 \$ 108,650

- 85,000 - To be paid by County grant
23,650
To be paid by Rinaldo Water Company

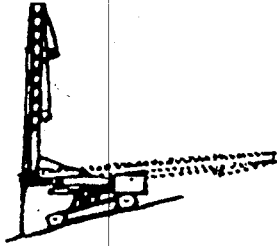
*Billing based on actual footage drilled and material used, unless pre-agreement.

Acknowledged by: _____
Client's Signature Printed Name Date

PLAN
A



AIR ROTARY DATE 10-27-2014 NO SCALE	SANTA BARBARA COUNTY WELL CONSTRUCTION	DCA DRILLING 11438 SUMAC LN. SANTA ROSA VALLEY CA
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**PROPOSED
WORK PLAN DETAIL FOR
WATER WELL DRILLING**

- Mobilization of drilling equipment
- Drilling annular 12 " diameter hole, 50'+ deep
- Install temporary, outside, steel conductor casing, if needed
- Bore 10 " diameter to 700' deep
- Perform air lift test to estimate GPM
- Install 5" ID " PVC or Certa-Lok liner to depth – slots from 300' to 700'
- Install #12 Silica sand filter pack to bottom of annular
- Sanitary Seal , Install 10-sack slurry cement around conductor of top 50' of annular area 3" thick x 50'+ minimum
- Install 10 " ID steel protective sleeve x 4' long into wet mix
- Pour monolithically square concrete slab with 50' sanitary well seal, Size of slab is 5' x 5' x 6", 1/4" sloped away, centered on well pipe
- Sanitize well
- Measure static level of water
- Install temporary locking cap at well head
- Clean up well site area
- Demobilization

This is a proposed work plan detail, but actual well construction may vary due to ground condition.

WATER WELL PERMIT APPLICATION

Type of Permit (Please check the appropriate box below)

<input checked="" type="checkbox"/>	Construction	\$740 (3 hrs.) *	[4669]	New or Replacement well.
<input type="checkbox"/>	Modification	\$740 (3 hrs.) *	[4669]	Includes the deepening of a well, reperforation, sealing or replacement of well casing.
<input type="checkbox"/>	Destruction	\$495 (2 hrs.) *	[4668]	Abandonment: The complete filling of a well.

FOR OFFICE USE ONLY
 Rec'd Date: _____
 Rec'd By: _____
 WP # _____
 District # _____

* An hourly fee of \$136 will be added for those projects that require staff time in excess of that noted above. Final project approval will not be issued until all fees are paid.

Required Attachments: Plot plan indicating the location of the well with respect to the following items:

- Property lines.
- Drainage pattern of the property.
- Access roads and easements (water, sewer, utility, roadway).
- Existing and/or proposed structures.
- Existing wells within a 100 foot radius of the proposed well.
- Animal or fowl enclosure, pens, paddocks, stockyards within a 100 foot radius of proposed well site
- Sewage disposal systems or works carrying or containing sewage or industrial wastes within a 200 foot radius of the proposed well.
- All perennial, seasonal, natural, or artificial water bodies or watercourses, including location of 100 year floodplain, if applicable.
- Also Required: the Supplemental Form on page 3, completed in full.

OWNER Info:

Well Owner Name (Required): Romaldo Community Water Primary Phone (805) 886-1850
 Owner Mailing Address: 5587 W. Camino Cielo, Santa Barbara, CA 93105
 Street Number and Name City State / Zip Code

Complete this section if the person coordinating the project is other than the Well Owner (e.g., driller, contractor).

Project Coordinator/Certified Professional Name: Ken Patrick DBA DCA DRILLING
 Mailing Address: 11438 Sumac Lane Camarillo CA 93012
 Street Number and Name City State / Zip Code
 Primary Phone: (805) 427 0593 Email: dcaedrilling@gmail.com

WELL Location Info:

Well Location Address: No street address, but across from 5629 West Camino Cielo, 93105
 Street Number and Name City State / Zip Code
 Cross Street (or other information defining the Well location) if applicable: West Camino Cielo
 Assessor's Parcel Number (APN): 1 5 3 - 1 0 0 - 0 1 3
 Longitude: W116°14'28.86" Latitude: N43°38'19.39" Elevation: 2,100

- A. Is parcel located within the service area of a public water system? No Yes (Identify): _____
 A-1. If you answered Yes to question A.: Are you connected to the Public Water System (i.e., do you have a meter?) No Yes
 A-2. If you answered No to the question A-1.: Is public water service available? No Yes

Proposed Depth <u>700</u> ft. Well Bore Diam. <u>10</u> in. Sealing Material (Check) <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> Clay <input type="checkbox"/> Cement Grout <input type="checkbox"/> Concrete	Casing Information Type: <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other _____ Wall / Gauge <u>0.36 or 0.50</u> in. Diameter <u>5" ID</u> in. Annular Seal Depth <u>50</u> ft. Additional Work Description: <u>Seal Annular with 10 sack slurry cement</u> <u>Note 12" Annular bore x 50' & using 6" ad. liner as conductor</u> Note: A minimum 50 ft. annular seal is required for all wells.
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