FACSIMILE TRANSMITTAL

CERTIFIED
ENVIRONMENTAL
CONSULTING, INC.

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Benicia, CA 94510
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To:

NAME	DATE AND TIME OF TRANSMISSION
Eva Chu	1/27/93
COMPANY	FAX NUMBER
Zone 7 ACWD	510 569 4757

From:

NAME Scott Parker

Reference:

SUBJECT Groundwater gradient Calculations

Message:

Eva, I have outlined a simple procedure for future gradient Calc's. The gradient has been calculated for the sampling round 1/8/93. call if you have any other ?'s

Original being sent via mail _____ Yes __X__ No

If you have a problem or questions concerning this facimile please call Scott at 707-745-0171

(including this cover) Pages 4

CEC-A-033

1) Take water level reading and subtract from Well head Elevation to obtain water elevation

ie	Elevation	-	Water Depth	=	H_2O Elevation
mw-1	100.00	-	14.3	=	85.70
mw-2	97.8	-	10.14	=	87.66
mw-3	101.38	-	13.99	=	87.39

2) Plot H_2O Elevations on map drawn to *Scale
*map must be to Scale.

3) Draw a line Between the twowells with the highest and lowest H_2O Elevations. In this case mw-2 and mw-1

4) Measure distance "d" between the Two points.

5) The intermediate point (mw-3) has an elevation on the line between mw-1 and mw-2 to determine that point use a ratio calculation. (See figure)

6) Draw a line from the Intermediate point (ie mw-3) to its matching elevation on the line between the highest and lowest Elevation The perpendicular to that line is G.W flow direction

DATE: 11/6/91

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FIELD SURVEY RECORD

CLIENT V.A. Medical Center LOCATION Livermore, CA

SURVEYORS _____ WEATHER _____

STATION	BACK SIGHT +	HI	FORE SIGHT -	ELEVATION	WATER DEPTH 7/31/92	WATER ELEVATION
MW-1	5.69	105.69		100.00	14.81	85.19 (7/31/92)
MW-2			7.89	97.8	11.00	86.80 (7/31/92)
MW-3			4.31	101.38	14.71	86.69 (7/31/92)

FORM # CECF