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**By dehloptoxic at 2:28 pm, Oct 27, 2006**

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**SCS ENGINEERS**

October 26, 2006  
Project Number: 01203087.01

CONFIDENTIAL

Mr. Jerry Wickham  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502  
Phone (510) 567-6791  
Fax (510) 337-9335

**Subject: Submittal of Nearby Water Supply Well Construction Information  
Friesman Ranch Property  
1600 Friesman Road  
Livermore, California**

Dear Mr. Wickham:

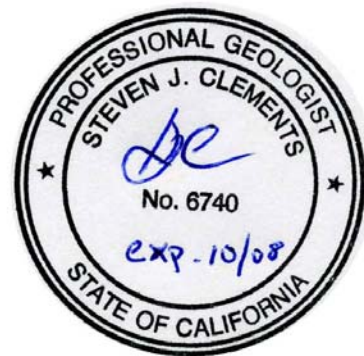
In accordance with your August 23, 2006 request, this letter transmits a summary of construction information for water supply wells located in the vicinity of the Friesman Ranch Property in Livermore. The following information is attached: A) Well Construction Summary Table, B) Well Location Map, and C) Available Well Drillers Reports. This information was provided to SCS by the Zone 7 Water Agency. As you are aware, the information provided herein is confidential and should not be accessible to the public.

Please contact Steve Clements at (925) 240-5152 if you have any questions or comments regarding this submittal.

Sincerely,



Steve Clements, PG, REA  
Project Manager  
SCS Engineers



Attachments: A – Summary Table  
B – Well Location Map  
C – Available Well Drillers Logs

cc: Emily De Falla – Children’s Hospital (w/o Attachments)  
Tom Terrill – The Terrill Company (w/o Attachments)

**ATTACHMENT A**

**Summary Table**

**Table 1. Summary of Nearby Water Supply Well Information  
Friesman Ranch Property  
1600 Friesman Road  
Livermore, California**

| Well No.  | Approximate Distance and Direction from Site | Date Completed | Status    | Use                   | Well Diameter                        | Total Depth of Boring | Total Depth of Well | Screened Interval        | Screen Slot Size | Depth of Filter Pack | Filter Pack Material |
|-----------|--|----------------|-----------|-----------------------|--------------------------------------|-----------------------|---------------------|--------------------------|------------------|----------------------|----------------------|
|           |  |                |           |                       | inches                               | feet bgs              | feet bgs            | feet bgs                 | inches           | feet bgs             |                      |
| 3S/1E 2P3 | On-Site                                      | 10/03/75       | Active    | Domestic              | 0 to 52 ft = 14<br>52 to 380 ft = 10 | 380                   | 380                 | 340 to 372               | ?                | None                 | NA                   |
| 3S/1E 2P7 | 550 ft W                                     | 10/08/91       | Active    | Domestic & Irrigation | 8                                    | 425                   | 410                 | 270 to 410               | 0.32             | 50 to 410            | Pea Gravel           |
| 3S/1E 2P1 | 930 ft SW                                    | ?              | Abandoned | ?                     | ?                                    | ?                     | 400                 | 50 to 376                | ?                | ?                    | ?                    |
| 3S/1E 2N2 | 1,400 ft W                                   | ??             | Abandoned | ??                    | ??                                   | ??                    | ??                  | ??                       | ??               | ??                   | ??                   |
| 3S/1E 2N3 | 1,600 ft SW                                  | 10/03/61       | Active    | Domestic              | 10                                   | 316                   | 316                 | 157 to 167<br>301 to 311 | 0.375            | None                 | NA                   |

Notes:

Source: Zone 7 Water Agency, 100 North Canyons Parkway, Livermore, CA

bgs = below ground surface

? = Information Not Included On Well Drillers Report Provided by Zone 7

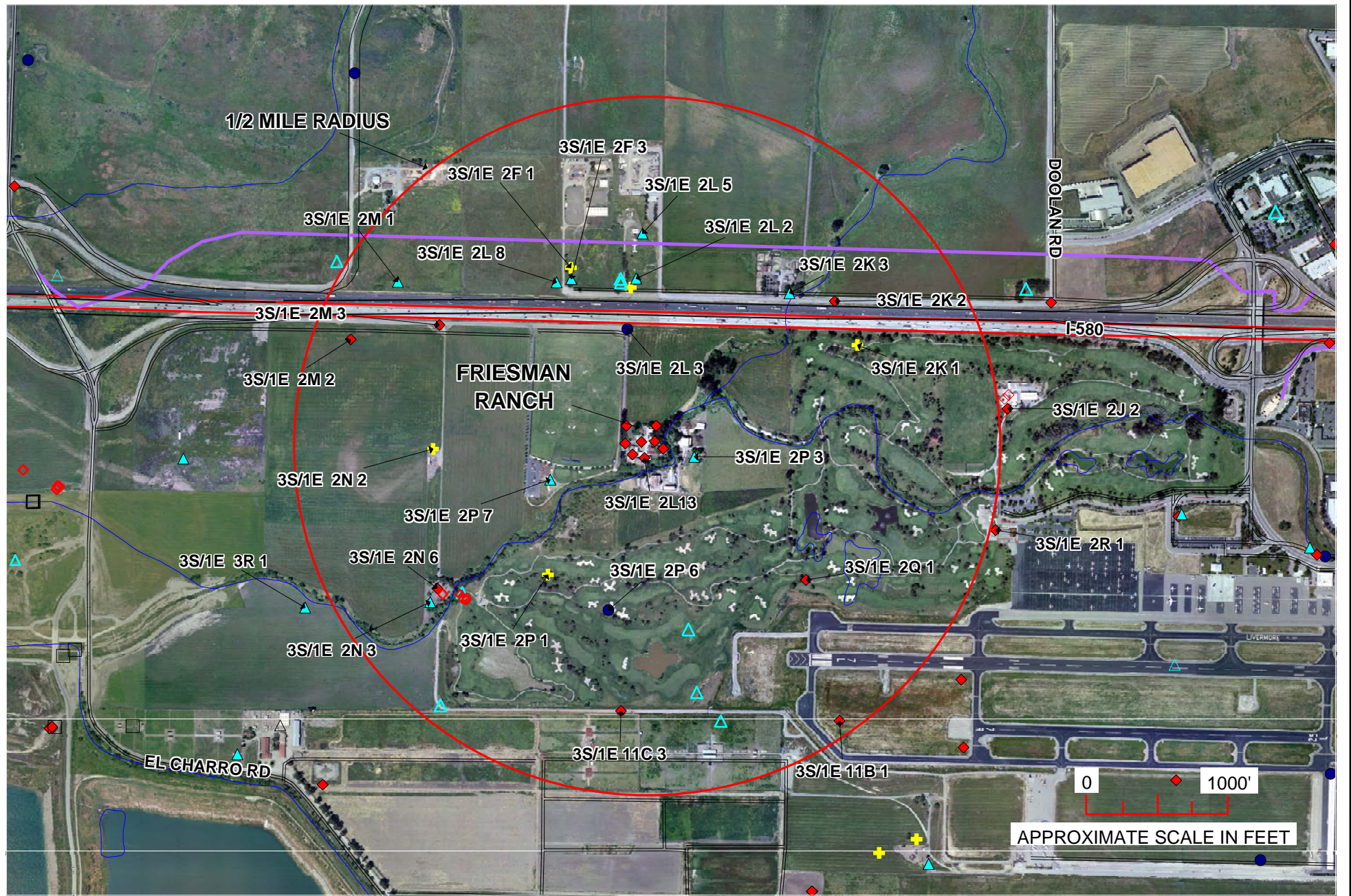
?? = Zone 7 Does Not Have Well Drillers Report or Additional Information

NA = Not Applicable

**ATTACHMENT B**

**Well Location Map**





**Legend**

- + Abandoned Supply Well
- △ Abandoned Water Supply Well
- ▲ Water Supply Well
- ◆ Monitoring Well
- ◇ Destroyed/Abandoned Monitoring Well
- Cathodic Protection Well or Unknown



**ZONE 7 WATER AGENCY**  
**100 NORTH CANYONS PARKWAY**  
**LIVERMORE, CA 94551**

Well Location Map

SCALE: As Shown

DATE: 4/20/06

**ATTACHMENT C**

**Well Drillers Reports**

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STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**



35/1E-2PI

47-262

LOG OF WELL FOR QUAD POINT  
Livermore, Calif.

DRILLER: ALVIN SCOTT

165  
WEST-SCW

|     |     | THICKNESS, FT. |    |                            |    |
|-----|-----|----------------|----|----------------------------|----|
| 0   | 8   | 8              | 0  | Top soil with clay         | 5  |
| 8   | 20  | 12             | 0  | Brown top soil clay        | 3  |
| 20  | 45  | 25             | 3  | Dark gray clay             | 3  |
| 45  | 52  | 7              | 3  | Hard gray clay             | 3  |
| 52  | 59  | 7              | 5  | Sandy clay                 | 5  |
| 59  | 64  | 5              | 10 | Packed fine sand           | 10 |
| 64  | 76  | 12             | 25 | Sand                       | 25 |
| 76  | 84  | 8              | 10 | Packed sand                | 10 |
| 84  | 90  | 6              | 10 | Sandy clay                 | 10 |
| 90  | 157 | 67             | 3  | Hard gray clay             | 3  |
| 157 | 164 | 7              | 10 | Packed sand                | 10 |
| 164 | 153 | 9              | 3  | Gray clay - hard           | 3  |
| 153 | 167 | 14             | 5  | Sandy clay                 | 5  |
| 167 | 187 | 20             | 3  | Hard gray clay             | 3  |
| 187 | 192 | 5              | 10 | Packed sand                | 10 |
| 192 | 202 | 10             | 3  | Hard gray shale            | 3  |
| 202 | 227 | 25             | 25 | Sand and gravel            | 25 |
| 227 | 250 | 23             | 3  | Hard and sticky gray clay  | 3  |
| 250 | 260 | 10             | 3  | Hard and sticky gray shale | 3  |
| 260 | 253 | 13             | 3  | Hard shale and rock        | 3  |
| 253 | 257 | 2              | 25 | Gravel and sand            | 25 |
| 257 | 270 | 13             | 3  | Hard gray clay             | 3  |
| 270 | 275 | 5              | 5  | Gravel and hard clay       | 5  |
| 275 | 400 | 125            | 5  | Hard brown clay and gravel | 5  |

400 Ft. Total Finished Well

400 Ft. Casing

Perforated: ~~XXXXXXXXXXXXXXXXXXXX~~

50 to 376 Ft. - ~~326~~ Ft.  
326

35/1E-2PI

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**