

TRAK Environmental Group
4125 Market Street, No. 19
Ventura, California 93003

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TRAK

November 5, 1998

Mr. Tony Raya
City of Santa Barbara
Department of Public Works – Engineering Division
630 Garden Street
Santa Barbara, California 93102 - 1990

Well Destruction Summary, Amtrak Fig-Tree Station, 209 - 211 State Street, Santa Barbara, California

Dear Mr. Raya:

TRAK Environmental Group, Inc. (TRAK) submits this well destruction summary to document the destruction of two, 2-inch diameter groundwater monitoring wells at the above referenced site. This summary is standard procedural documentation for all well destruction activities performed by TRAK, and is not intended as fulfillment of any reporting requirements. The well destruction activities were completed on October 28, 1998, upon direction of yourself. Well destruction activities were observed by the on-site Public Works inspector, Mr. Andre P. Weckstrom.

Wells selected for abandonment were verified in the field on October 26, 1998, by Mr. Devon F. Ayres of TRAK, and Mr. Tony Raya of the City during a pre-construction job walk. The scope of work completed to properly destroy the two (2), groundwater monitoring wells was as follows:


1. Well destruction activities, including sealing material selection and placement method, were performed in accordance with all procedures and guidelines established in Bulletin 74-90, 'Water Well Standards: State of California', of the California Department of Water Resources.
2. For each well, the well vault and associated concrete footing and pad was demolished using a jackhammer. The steel conductor casings were removed from the borehole using the main line of the CME-75HT drill-rig provided by West Hazmat Drilling Corp. (C57 No. 554979) prior to removal of the well construction materials.
3. The well construction materials were then removed by drilling to total depth of each well (25-ft below grade) using hollow stem augers. The augers were of a diameter one-inch larger (9-inches) to that of the original borehole ensuring removal of all well construction materials. The resulting borehole was then backfilled by the trimmie-placement method using cement-bentonite grout to near surface grade. The upper one-foot of the borehole was then backfilled with native soil to match the existing surface. A well destruction diagram is attached detailing the destruction specifications for each well.

CITY OF SANTA BARBARA
NOV 19 1998
PUBLIC WORKS

Should you have any questions, comments or require any additional information please do not hesitate to contact the undersigned at (805) 650-5333.

Sincerely,

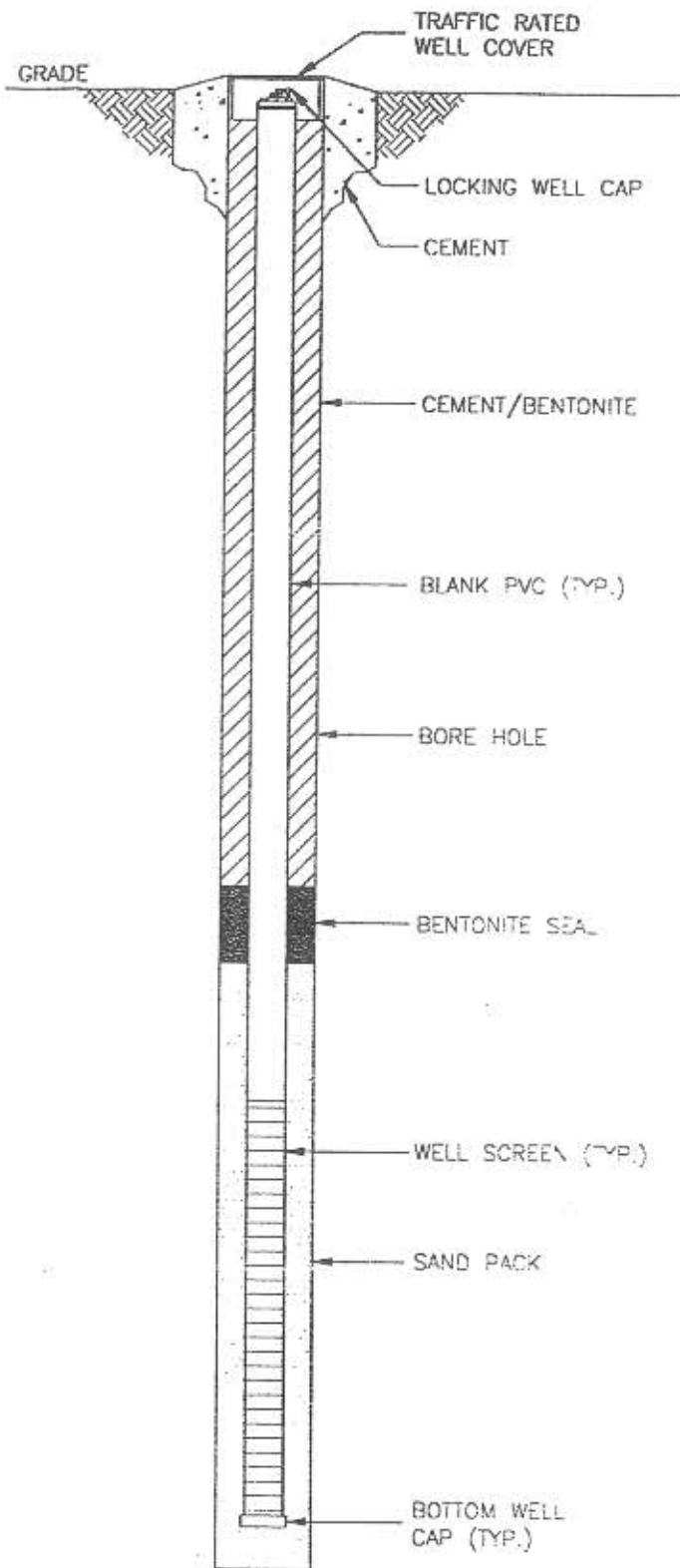
TRAK Environmental Group, Inc.



Devon F. Ayres
Project Geologist

Attach: Well Destruction Detail

cc: Mr. Bradford S. Newman – TRAK



ELEVATION OF REFERENCE POINT	<u>NA</u>
HEIGHT OF REFERENCE POINT ABOVE GROUND SURFACE	<u>NA</u>
SURFACE SEAL INTERVAL	<u>1-2 ft.</u>
TYPE OF SURFACE SEAL	<u>Concrete</u>
ANNULAR SEAL INTERVAL	<u>2-25 ft.</u>
	<u>Cement/Bent.</u>
TYPE OF ANNULAR SEAL	<u>Grout</u>
INTERVAL OF LOW PERMEABLE ANNULAR SEAL	<u>Removed</u>
TYPE OF LOW PERMEABILITY SEAL	<u>Removed</u>
DIAMETER OF WELL CASING	<u>Removed</u>
TYPE OF WELL CASING	<u>Removed</u>
SAND PACK INTERVAL	<u>Removed</u>
TYPE OF SAND PACK	<u>Removed</u>
SCREEN INTERVAL	<u>Removed</u>
DESCRIPTION OF SCREEN	<u>Removed</u>
DEPTH OF WELL	<u>Removed</u>
DIAMETER OF BOREHOLE	<u>9-inches</u>
DEPTH OF BOREHOLE	<u>25 ft.</u>
EXPECTED DEPTH TO GROUNDWATER	<u>≈ 10 ft.</u>

NOT TO SCALE

TRAK Environmental Group

4125 Market Street, # 19
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FILE NAME: DES-WELL
DATE: 11/16/98
SOURCE:

TYPICAL DESTROYED WELL
CONSTRUCTION DIAGRAM

FIGURE

