



January 30, 2001

Ms. C.J Gong
Gong Associates
637 Beacon Street
Oakland, CA 94610

Subject: Monitoring Well Destruction
4045 Broadway
Oakland, California
AEI Project No. 4137

ENVIRONMENTAL
PROTECTION
00 FEB -5 AM 8:59

Dear Ms. Gong:

The following letter summarizes the activities performed by AEI Consultants to de-commission the four groundwater monitoring wells at the above referenced site. The de-commissioning of the wells is required by the Alameda County Health Care Services Agency (ACHCSA) prior to the issuance of a site closure for the underground tank release.

Prior to beginning the field work, AEI obtained a drilling permit to drill out the four wells from Alameda County Public Works Agency (ACPWA). The wells were de-commissioned by drilling out the casing and annular material and backfilling the remaining hole with neat cement grout. The borings were allowed to settle and were then topped off with grout and covered with concrete patching.

A completed copy of the DWR form 188, Well Completion Report for each of the wells is attached.

Please call me at (925) 283-6000 if you have any questions.

Sincerely,

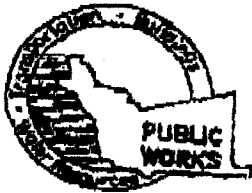
Peter McIntyre
Project Geologist

Attachments: ACPWA Permits, DWR form 188 for each well, Site Plan

cc. Marlon Magallanes, ACPWA
399 Elmhurst St.
Hayward, CA 94544

Mr. Don Hwang, ACHCSA
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502

12/28/2000 20:16 FAX 9259442895 AEI Consultants
JUN-05-00 JUN 01:11 PM ALAMEDA COUNTY PWA RM239 FAX NO. 5107821939



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
398 ELMHURST ST. HAYWARD CA. 94544-1198
PHONE (510) 678-6354 MARLON MAGALLANES/FRANK COBB (510) 678-3783
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT
4045 Broadway
Oakland, CA

PERMIT NUMBER W00-924
WELL NUMBER _____
APN _____

CLIENT
Name C. J. Gong
Address 637 Reagan St. Phone 510 451-8102
City Oakland, CA Zip 94610

PERMIT CONDITIONS
Circled Permit Requirements Apply

APPLICANT
Name AEI Consultants (Peter McIntyre)
Address 1210 Old Tunnel Rd. Phone 925 283-6000
City Lafayette Zip CA 94549

A. GENERAL

1. A permit application should be submitted to us or to us at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

TYPE OF PROJECT

Well Construction	<input type="checkbox"/>	Geotechnical Investigation	<input type="checkbox"/>
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 30 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

PROPOSED WATER SUPPLY WELL USE

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other	<input type="checkbox"/>

C. GROUNDWATER MONITORING WELLS

INCLUDING FREQUENTERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input checked="" type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

D. GEOTECHNICAL

Backfill hole with grout or concrete grout and mixture. Upper two-three feet replaced in hole or with compressed casing.

DRILLER'S NAME Spectrum Exploration

DRILLER'S LICENSE NO. 512268

E. CATHODIC

All hole inside zone with concrete placed by tremie.

WELL PROJECTS

Drill Hole Diameter	<u>10.5</u> in.	Maximum Depth	<u>20</u> ft.	Owner's Well Number	<u>MU-1</u>
Casing Diameter	_____ in.				
Surface Seal Depth	_____ ft.				

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 25 feet.

GEOTECHNICAL PROJECTS

Number of Borings	_____	Maximum Depth	_____ ft.
Hole Diameter	_____ in.		

G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

ESTIMATED STARTING DATE 1/15/00
ESTIMATED COMPLETION DATE 1/15/00

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-88.

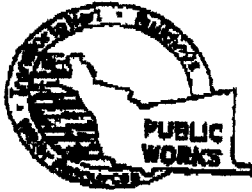
APPLICANT'S SIGNATURE Peter McIntyre DATE 12/21/00

PLEASE PRINT NAME Peter McIntyre Rev. 5-13-00

APPROVED _____ DATE _____

1-2-01

12/28/2000 20:16 FAX 9258442895 AEI Consultants
JUN-03-00 JUN 01:11 P1 ALAMEDA COUNTY PWA RM239 FAX NO. 5107821939



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
395 ELMHURST ST. BAYWARD CA 94544-1395
PHONE (510) 678-3356 MARLON MAGALLANES/FRANK COBB (510) 678-3763
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT
40 4045 Broadway
Oakland, CA

PERMIT NUMBER W00-925
WELL NUMBER _____
APN _____

CLIENT
Name C. J. Gang
Address 637 Bacon St. Phone 510 451-8102
City Oakland, CA Zip 94610

APPLICANT
Name AEI Consultants (Peter McIntyre)
Address 3210 Old Tunnel Rd Phone 925 283-6000
City Lafayette Zip CA 94549

TYPE OF PROJECT
Well Construction Geotechnical Investigation
Cathodic Protection General
Water Supply Contamination
Monitoring Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic Replenishment Domestic
Municipal Irrigation
Industrial Other

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Spectrum Exploration

DRILLER'S LICENSE NO. 512268

WELL PROJECTS
Drill Hole Diameter 10.5 in. Maximum Depth 30 ft. Owner's Well Number MW-2
Casing Diameter _____ in.
Surface Seal Depth _____ ft.

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum Depth _____ ft.
Hole Diameter _____ in.

ESTIMATED STARTING DATE 1/15/00
ESTIMATED COMPLETION DATE 1/15/00

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-88.

APPLICANT'S SIGNATURE Peter McIntyre DATE 12/28/00

PLEASE PRINT NAME Peter McIntyre REV-13-00

PERMIT CONDITIONS

Circled Permit Requirements Apply

- A. GENERAL**
 - 1. A permit application should be submitted 30 days in advance of the ACPWA office 500 days prior to proposed starting date.
 - 2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
 - 3. Permit is void if project has begun within 90 days of approval date.
- B. WATER SUPPLY WELLS**
 - 1. Minimum surface seal thickness is two inches of compact gravel placed by trowel.
 - 2. Minimum seal depth is 30 feet for municipal and industrial wells or 25 feet for domestic and irrigation wells unless a lesser depth is specially approved.
- C. GROUNDWATER MONITORING WELLS - INCLUDING PIEZOMETERS**
 - 1. Minimum surface seal thickness is two inches of compact gravel placed by trowel.
 - 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 30 feet.
- D. GEOTECHNICAL**
Backfill hole by trowel with cement grout or cement grout and mixture. Upper two-three feet replaced in kind or with equivalent savings.
- E. CATHODIC**
Fill hole inside zone with concrete placed by trowel.
- F. WELL DESTRUCTION**
Send a map of work site. A separate permits required for wells deeper than 45 feet.
- G. SPECIAL CONDITIONS**

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [Signature] DATE 1-2-01

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

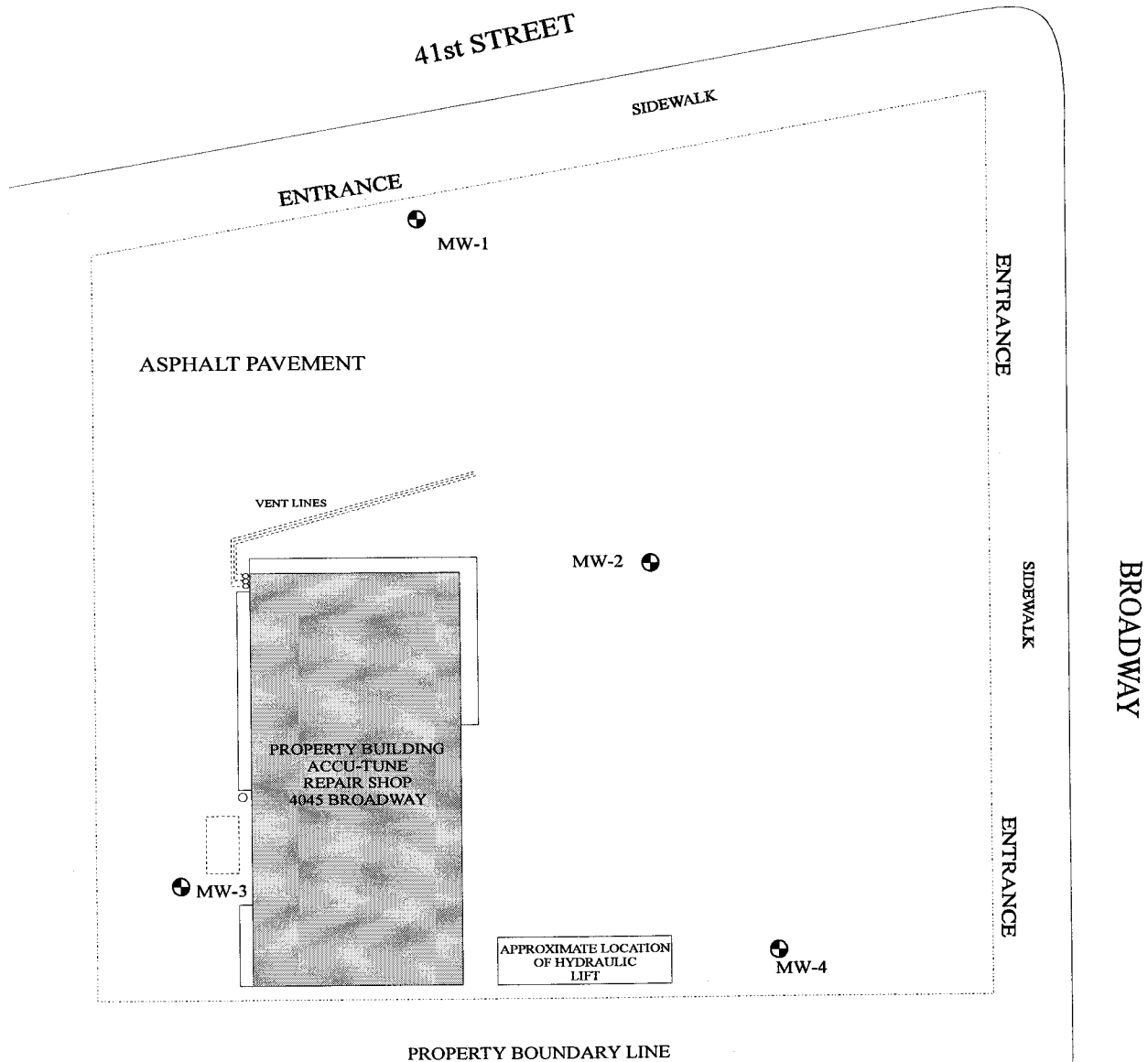
**STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)**


REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



KEY
 GROUNDWATER MONITORING WELL LOCATION

AEI Consultants 3210 OLD TUNNEL ROAD, SUITE B, LAFAYETTE	
WELL LOCATION MAP	
SCALE: 1 IN = 20 FT	
4045 BROADWAY OAKLAND, CALIFORNIA	FIGURE 1