

Engineering, Inc.

12 October 2001

OCT 1 8 2001

Mr. James Yoo Alameda County Public Works Agency Water Resources Section 399 Elmhurst Street Hayward, California 94545

RE:

Well abandonments at former Nestlé facility located at 1310 14th Street, Oakland, California

Dear Mr. Yoo:

As requested by Nestlé USA, Inc. (Nestlé), ETIC Engineering, Inc. (ETIC) has observed the abandonment of 32 wells at the former Nestlé facility located at 1310 14<sup>th</sup> Street, Oakland California (Figure 1). The work was performed as proposed in the ETIC letter dated 26 July 2001. The proposed work was approved by the Alameda County Health Agency (ACHA) in a letter dated 8 August 2001. A copy of the letter from the ACHA is included as Attachment A.

The abandoned wells were no longer needed for monitoring and gauging purposes at the site. These wells were selected such that the remaining monitoring wells will provide the spatial coverage necessary for continued adequate delineation of groundwater conditions at the site.

#### FIELD ACTIVITIES

On 27 and 28 August 2001, ETIC supervised the proper abandonment of 32 wells by Woodward Drilling of Rio Vista, California (C-57 license #710079). The locations of the wells are shown in Figure 2. Table 1 is a list of the abandoned wells. Well destruction permits (numbers W01-701 through W01-732) were obtained from the Alameda County Public Works Agency (ACPWA) prior to well abandonment activities. Copies of the permits are provided as Attachment B. The ACPWA was notified in advance of the abandonments. Well abandonment consisted of pressure grouting each well with tremmied cement (type I/II) slurry from the bottom of each well to 2 feet below ground surface. The well covers and well boxes were removed and the remainder of each well was filled with aggregate cement. Department of Water Resources (DWR) Form 188's were completed and the original copies mailed to the ACPWA under separate cover. Copies of the DWR forms and the available boring log/well construction details are provided in Attachment C.

If you have any questions or comments, please do not hesitate to contact me at (925) 602-4710, ext. 22.

Sincerely.

Brent Searcy

Project Manager

Attachments

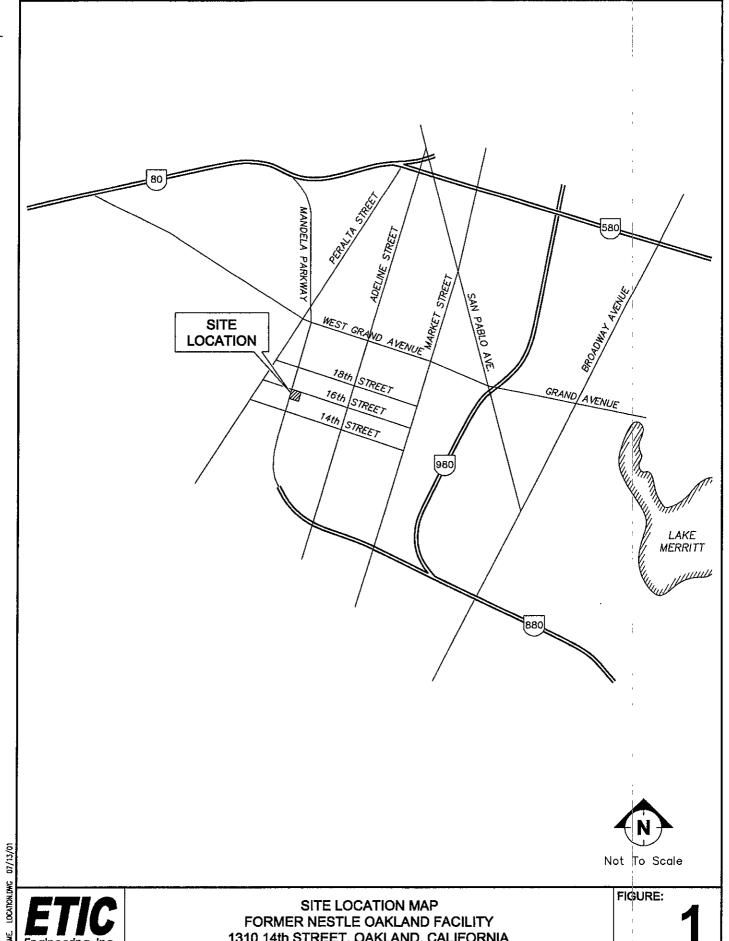
cc:

Mr. Binayak Acharya, Nestlé USA, Inc.

Mr. Barney Chan, Alameda County Health Agency

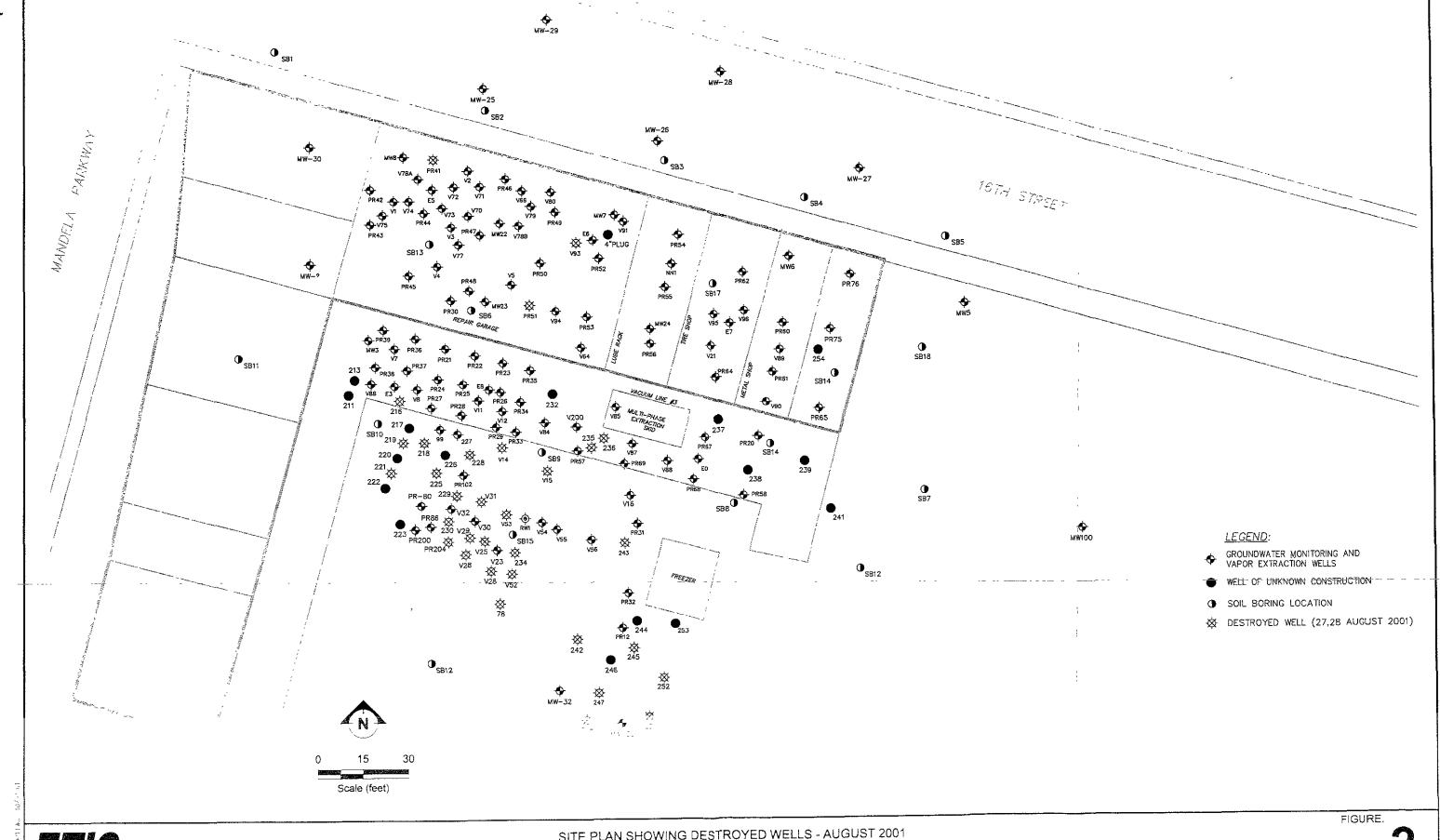
Mr. Roger Brewer, Regional Water Quality Control Board

Figures



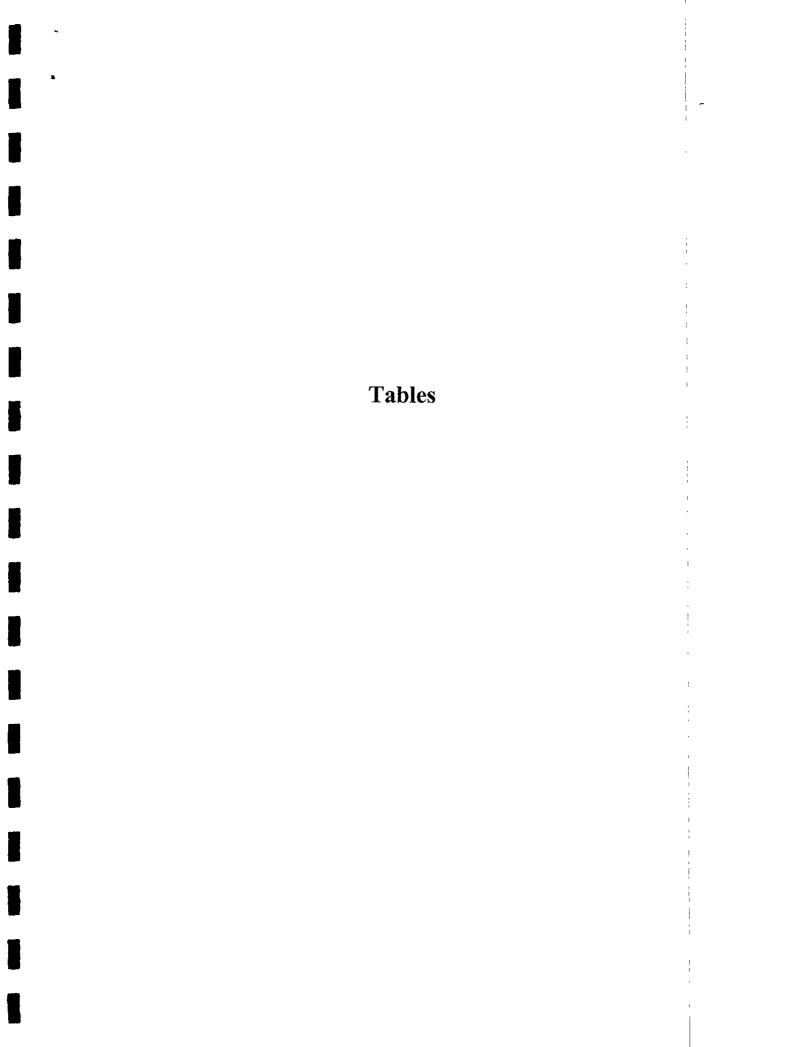
Engineering, Inc.

1310 14th STREET, OAKLAND, CALIFORNIA



Engineering, Inc.

SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001 FORMER NESTLE OAKLAND FACILITY 1310 14th STREET, OAKLAND, CALIFORNIA



#### CONSTRUCTION DETAILS FOR ABANDONED WELLS FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA AUGUST 2001

Product Recovery Well Product Recovery Well	Well Name PR41 PR51 PR204 V14 V15 V25 V26 V28	Casing Diameter (in.)  2  2  2  4  4	Total Casing Depth (ft. bgs)  15 15 15 to 17	Top of Screen (ft. bgs)  5.0  5.0  5 to 7	Bottom of Screen (ft. bgs)	Length of Screened Interval (ft.)	Screen Slot Size (in.)	Filter Pack Type	Seal Type	Depth	Seal Base Depth
Product Recovery Well Product Recovery Well Product Recovery Well Vapor Well	Name PR41 PR51 PR204 V14 V15 V25 V26 V28	Diameter (in.)  2 2 2 2 4	Depth (ft. bgs)  15  15  15  15 to 17	Screen (ft. bgs) 5.0 5.0	Screen (ft. bgs)	Interval (ft.)	Size (in.)	Type	Seal Type	Depth	Depth
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Vapor Well	V15 V25 V26 V28		٠ - ا								
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Vapor Well	V52	4	11	NR	NR	NR	NR	NR	NR	NR	NR
	V53	4	11	NR	NR	NR	NR	NR	NR	NR	NR
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"Numbered" Well											
(I) 1	78	2	15	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	216	4	10	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	218	2	15	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	219	4	11	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	221	4	11	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well "Numbered" Well	225 228	4	11	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	229	4	11	NR	NR.	NR	NR	NR	NR	NR	NR
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	247*	2	18.9	10.5	18.9	8.4	NR	NR	NR NR	NR NR	NR NR
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"Numbered" Well	2001	2	20	NR	1317	7.47/	1417 1	1117	1417	141/	1111

Note

ft. bgs Feet below ground surface

\* Data from 08/28/00 video logging

NR Not Reported

G-\Projects\Nestle Oakland\MASTER\WP\welldest0801\[08-01 Destroyed well details.xls]Sheet1

# Attachment A

Correspondence from the Alameda County Health Agency

#### ALAMEDA COUNTY

## EALTH CARE SERVICES

AGENCY



DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION 1131 Harbor Bay Parkway. Suite 250 Alameda, CA 94502-6577 (510) 567-6700 FAX (510) 337-9335

August 8, 2001 StID 3779/RO0000018

Mr. Binayak Acharya Nestle USA, Inc. 800 North Brand Blvd. Glendale CA 91203 Received

AUG 1 0 2001

ETHE angineering inc.

Re: Proposed Well Abandonment at Nestle Oakland Facility, 1310 14th St., Oakland CA 94607

Dear Mr. Acharya:

This letter confirms the receipt and approves of the proposed well abandonment of 32 wells noted in the July 26, 2001 letter report from ETIC Engineering, Inc., your consultant. It appears that all but three of the proposed wells are either vapor wells or "numbered wells" and of these 29, 27 are of unknown well construction. The three product recovery wells proposed for abandonment have other recovery wells nearby them to compensate. None of these wells provides necessary sampling information so technically no compromise has been made.

You may proceed with the well abandonment. Please include this information in the future well summary table, requested at our last meeting at the San Francisco Water Board.

You may contact me at (510) 567-6765 if you have any questions.

Sincerely,

Barney M. Chan

Hazardous Materials Specialist

Daney U Cha

C: B. Chan, files

Mr. B. Searcy, ETIC Engineering, 2285 Morello Ave., Pleasant Hill, CA 94523

Mr. C. Headlee and Mr. R. Brewer, SFRWQCB

Wellel1310 14th St.

# Attachment B Well Destruction Permits

P. 03

FROM : FTIC

FAX NO. : 9256024720

Aug. 22 2001 05:21PM P2

JAN-24-01 WED 10:62 AM

ALAMEDA COUNTY PWA RM239

FAX NO. 5107821939

P. 02/03



#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (\$10) 670-5554 FAX (510)782-1939

DRILLING PERMIT A	PPLICATION
FOR APPLICANT TO COMPLETE	for office use
LOCATION OF PROJECT NEST LE DAKING FIXITY	PERMIT NUMBER WO/- 70/ WELL NUMBER APN
(11 is did the of the things	PERMIT CONDITIONS Circled Parmit Requirements Apply
CLIENT 1/2 1/2 (1 - 4 T	A. GENERAL  1. A parmit application should be submitted so as to grive at the ACPWA office five days prior to proposed starting date.  2. Submit to ACPWA within 60 days after complation of
APPLICANT Name ETIC Grander pax Inc.  Address Z 2 2 5 Marchine (925) 602-4720  Address Z 2 2 5 Marchine (925) 602-4720  City Disd. 11.	2. Subinit to ACPWA within 60 days after complation of permined original Department of Waler Resources-Well Completion Report.  3. Fell Completion Report.  3. Fell is void if project not begun within 90 days of approval date  B. WATER SUPPLY WELLS  1. Minimum surface soal thickness is two inches of
TYPE OF PROJECT  Well Construction  Cathodic Protection  Water Supply  Monitoring  Geotochnical Investigation  Geotochnical Investigation  Contamination  Water Supply  Monitoring  Geotochnical Investigation	annean grous placed by transic.  2. Minimum soal depth is 50 feet for municipal and Inductial wells or 20 feet for domestic and trigation wells unless a lesser depth is specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE  Now Domestic D Repincement Domestic Domestic Distriction	1. Minimum surface soal thickness is two inches of coment grout placed by tremic. 2. Minimum soal depth for monitoring wells is the maximum depth practicable or 20 feet.  p. GEOTECHNICAL
DRILLING METHOD:  Mud Rotary B Air Rotary B Angur B  Cable B Other B	Backfill bore hole by trainic with current grout or cen grout/sand mixture. Upper two-three feet replaced in k or with compacted cuttings.  E. CATHODIC
DRILLER'S NAME WOOD WOLD Drilling DRILLER'S LICENSE NO. C57-710079	Fill hole anous zono with concrete placed by trentie E. WEIL DESTRUCTION Sund a map of work site. A support special is require
WELL PROJECTS  Drill Hole Diameter / R in. Maximum  Casing Diameter / in. Depth / S. R.  Surface Scat Dupth / A. Owner's Wall Number	for wellt 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 ucceptable for geolechnical and contamination investigations.
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ESTIMATED STARTING DATE  ESTIMATED COMPLETION DATE  Thereby agree to comply with all requirements of this permit and Alameda County Ord  APPLICANT'S SIGNATURE  DATE	APPROVED DATE DATE DATE DATE DATE DATE DATE DA
The second secon	5-13-00

P. 04

FROM : FTIC

FAX NO. : 9256024720

Aug. 22 2001 05:22PM P3

JAN-24-01 WED 10:52 AM

ALAMEDA COUNTY PWA RM239

FAX NO. 5107821939

P. 02/03



#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

DRILLING PERMIT APPLICATION

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94844-1395 PHONE (\$10) 670-5554 FAX (510)782-1939

FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION OF PROJECT NELT LE DANGE FX 11th	PERMIT NUMBER WO1-70 2
All Mad j La Hall to the same of the same	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT Name Vertle 1134 Tac. Name Vertle 1134 Tac. Address 900 N. Brand 1314. Phone (818) 549-5948 City (Florid 10) 54 Zip 9133	A. GENERAY.  1. A permit application should be submitted to us to universe as the ACPWA office five days prior to proposed starting date.  2. Submit to ACPWA within 60 days after completion of
APPLICANT  Name ETTC Engineering Tree (423) 602-4720  Address 2-275 Thomas Averbons (423) 602-4710 acc City ple 1 101 101 101 101 101 101 101 101 101	permitted original Department of Water Resources- Well Completion Report.  3. Permit is void it project not begun within 90 days of approval data  B. WATER SUPPLY WELLS  1. Minimum surface soal thickness is two inches of
TYPE OF PROJECT  Well Construction	concat grant planed by tremie.  2. Minmum seal doubt is 50 feet for municipal and industrial wells or 20 feet for domentic and inigation wells unless a leaser depth is specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING TILECOMPTERS.
PROPOSED WATER SUPPLY WELL USE  New Domestic D Replacement Domestic D  Municipal D Infigution D  Industrial D Other D	1. Minimum surface soal thickness is two inches of soment grout placed by tremin.  2. Minimum soal depth for monitoring wells is the maximum depth practicable or 20 feet.  D. GEOTECHNICAL  Backfill bore hole by tremic with coment grout or cor
DRILLING METHOD:  Mud Rotary U Air Rotary Q Augur Q  Cable O Other U	grands and mixture. Upper two-three feet replaced in 1 or with compacted cuttings.  E. CATHODIC
DRILLER'S NAME MOCA COOPS OF THE DRILLER'S LICENSE NO. C57-710079	Fill hole anode zone with concrete placed by trentle WELL DESTRUCTION Send a map of work sits. A separate permit is require for wells deeper than 45 feet. SPECIAL CONDITIONS
Drill Hole Diameter Lin. Maximum Casing Diameter L in. Depth Surface Scal Dopth 4 B. Owner's Well Number PR51	NOTE: One application must be submitted for each well or we destruction. Multiple barings on one application are necessable for geotechnical and contamination investigations.
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ESTIMATED STAILTING DATE	APPROVED DATE
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PLEASE PRINT NAME DAY NO 19 -4" ( POP) ROY	,513.00

FAX NO.: 9256024720

Aug. 22 2001 05:23PM P4

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM239

FAX NO. 5107821939

P. 02/03



PLEASE PRINT NAME DEVISA

## ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 299 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (\$10) 670-5554

DRII.LING PERMI	IT APPLICATION
for applicant to complete	for office use
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1310 19th STICKT	WELL NUMBER
Carland; Calitala	
	PERMIT CONDITIONS Circled Permit Requirements Apply
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draw 2 285 Idanora Avernono ( 725) 602-47/W	Approval date
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Cathodic Protection D Ocneral	Industrial wells or 20 feet for domestic and irrigation
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	including piezometers  1. Minimum surface scal thickness is two inches of
OPOSED WATER SUPPLY WELL USE  New Domestic D Replacement Domestic 0	commit group placed by tremis.
Municipal 0 Injention 0	2. Minimum seed depth for monitoring wells is the
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and their harmeters.	D. GEOTECHNICAL  Backfill born hold by Itemic with centent grout or co
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STIMATED COMPLETION DATE 3722731	APPROVED ATE

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FAX NO. : 9256024720

Aug. 22 2001 05:23PM P5

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#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

PUBLIC 1994 ELMHURST'ST. HAYWARD CA. PHONE (\$10) 670-5554 FAX (\$10)782-1938	A4244-13ab
DRILLING PERMIT A	PPLICATION
LOCATION OF PROJECT NOTE ON COMPLETE  LOCATION OF COMPLETE ON COMPLETE  LOCATION OF COMPLETE ON COMPLETE	POR OFFICE USE  PERMIT NUMBER WOI-704  WELL NUMBER
Dariand, Calternia	PERMIT CONDITIONS Circled Fermit Requirements Apply
CLIENT Name  Address 700 N Grand Glod Phone (818) 549-5948  City ( Land 1/6 ) 5 A 21p 9/2 5  APPLICANT  Numb E T I C E 4 4 4 4 9 5 5 60 2 4 7 10 ex  City Ole a 14 4 5 1 1 2 2 2 5 60 2 4 7 10 ex  City Ole a 14 5 5 1 2 2 2 5 2 5 60 2 4 7 10 ex	A. GENERAL  1. A permit application should be submitted so at to arrive 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  B. WATER SUPPLY WELLS
TYPE OF PROJECT  Well Construction Georgehnical Investigation Cathodic Protection D General D Water Supply D Contamination D Monitoring D Well Destruction  PROPOSED WATER SUPPLY WELL USE New Domestic D Replacement Demostic D Municipal D Integrition	1. Minimum surface seal thickness is two inches of someth grown placed by tremits.  2. Minimum used depth is 50 feet for municipal and Industrial wells or 20 feet for domestic and inigation wells unless a lossor depth is specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS  1. Minimum surface soal thickness is two inches of coment grout placed by tremis.  2. Minimum used depth for monitoring wells is the maximum depth practicable or 20 feet.
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WELL PROJECTS  Drill Hole Diameter with in. Maximum  Casing Diameter in. Depth N. A. Owner's Well Number 114	(G.) SPECIAL CONDITIONS  NOTE: One application must be submitted for each well or we destruction. Multiple borings on one application are acceptable for generalization and contamination investigations.
GEOTECHNICAL PROJECTS  Number of Borings Maximum  Hole Diameter in. Depth it.  ESTIMATED STAILTING DATE it.  ESTIMATED COMPLETION DATE IT.  Thereby agree to comply with all requirements of this permit and Alameda County Ore  APPLICANT'S SIGNATURE DATE	APPROVED DATE DATE

FAX NO. : 9256024720

Aug. 22 2001 05:24PM P6

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM238 FAX NO. 5107821939

P. 02/03



PLEASE PRINT NAME\_

## ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 KLMHURST ST. HAYWARD CA, 94544-1395

T APPLICATION
PERMIT NUMBER WO 705 WELL NUMBER APN PERMIT CONDITIONS Circled Farmit Requirements Apply
A GENERAL  1. A permit application should be submitted so as to arrive at the ACPWA office live 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. Fermit is vaid if project not begun within 90 days of approval data  8. WATER SUPPLY WILLS  1. Minimum surface seal thickness in two inches of actiont growt placed by transic.  2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domastic and infigation wells unless a lesser depth is specially approved.  C. GROUNDWATER MONITORING WELLS  1. Minimum surface sual thickness is two inches of coment grout placed by tremis.  2. Minimum scal dapth for monitoring wells is the maximum depth practicable or 20 feet.  D. GROTECHNICAL  Backfill bere hole by transic with coment grout or car grouts and mixture. Upper two three feet replaced in or with companied cuttings.  E. CATHODIC  Fill hele anode zone with concrete placed by transic for wells deeper than 45 feet.  G. SPRCIAL CONDITIONS
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FAX NO.: 9256024720

Aug. 22 2001 05:24PM P7

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM239

FAX NO. 5107821939

P. 02/03



## ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-5554 FAX (510)782-1939

DRILLING PERMIT	ADDITION
DRII.LING PERMIT	WLT I THE I
for applicant to complete	for office use
	PERMIT NUMBER WOI-706
LOCATION OF PROJECT NEXT LE CANTON FACTORY	WELL NUMBER
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At the state of th	PERMIT CONDITIONS Circled Permit Requirements Apply
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CLIENT VETTE LITTER Phone 1818 544-5948  City Land 16 64 Zip 412 33	A. GENERAL
Address 800 N. Brand (1171. Phone (818) 544-5948	1. A permit application should be submitted so as to arrive at the ACPWA office five flags prior to
City found 16 4 210 4720	proposed starting data.
	2 Subject to ACPWA within 60 days after complicion of
Applicant Name ETEC Engineer of Toca 602-472  Address 2 2 5 Magra Avephone (925) 602-4710 & City plan in First C + Zip 14533	permitted original Department of Water Resources-
R/Jan (am 1001) 800 (925)602-416	Well Completion Report.  3. Familt is void it project not begun within 90 days of
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City 1017 to 1	
	1. Minimum surface soal thickness is two inches of
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Well Construction Geotochnical Investigation Cathodic Protection D Georgi	Industrial wells or 20 feet for domestic and irrigation
Cathodic Protection D General U Water Supply B Contamination Q	wells unless a lessor dopth is apecially approved.
Manitoring B Wall Destruction	C. GROUNDWATER MONITORING WELLS
A STATE OF THE STA	INCLUDING PIEZOMETERS  1. Minimum surface scal thickness is two inches of
PROPOSED WATER SUPPLY WELL USE New Domestic	coment grout placed by fremis.
Municipal D Initiation	2. Minimum soal depth for monitoring wells is the
Industrial O Other Q	maximum depth practicable or 20 feet.
	D. GEOTECHNICAL  Backfill bare hale by tramic with cament grow or co
DRILLING METHOD:  Mud Rotory D Air Rotory B Augus D	grouvered mixture. Upper two-three feet replaced in
Mud Rotary D Air Rotary B Augus B Cable D Other D	or with companied cuttings.
	E. CATHODIC
DRILLER'S NAME WOOD WOLD Orelling	Fill hold anoth zone with concrete placed by tremi
DRILLER'S LICENSE NO. (57-710079	Sund a map of work site. A superior permit is requir
Dieter Paris (1 1910 Paris of to 11 de 1	for well's deeper than 45 feet.
	(d) special conditions
WELL, PROJECTS Drill Hale Dismoter in. Maximum	NOTE: One application must be submitted for each well or we
Casing Diameter VIL in. Depth VI II.	destruction. Multiple borings on one application are acceptable
Surface Sant Dopth R. A. Owner's Wall Number	for guotechnical and contamination involvingations.
Geotechnical projects	
Number of Borings Maximum	
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ESTIMATED STARTING DATE 8/27/01	1 1/M/ ( ) 2 /
ESTIMATED COMPLETION DATE	APPROVED DATE
	Outlinear No. 77 67
thereby agree to comply with all requirements of this persit and Alameda County	Condition 19 and
APPLICANT'S SIGNATURE DATE	2721101
PLEASE PRINT NAME	LCV.5-13-00

P. 09

FROM : FTIC

FAX NO.: 9256024720

Aug. 22 2001 05:25PM P8

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM239 FAX NO. 5107821939

P. 02/03



#### AT ANGENA COUNTY DIDITIO WODES ACENCY

PUBLIC WATER RESOURCES SECT 399 ELMHURST ST. HAYWARD OF PHONE (\$10) 670-\$554 FAX (\$10)782-1939	
DRILLING PERMIT	( APPLICATION
for applicant to complete	FOR OFFICE USE
LOCATION OF PROJECT NAST & Oaklan Free 174  1310 1474 STIGET  Dan 1244 Caltar	PERMIT NUMBER (1)01-707 WELL NUMBER APN
	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT Name Te Tie (1 - 7 Tie Address 800 N. Bragu 11 d. Phone 1218 544 - 948 City (2 land 16 ) 544 - 948	GENERAL  1. A parmit application should be submitted so as to arrive at the ACPWA office five days prior to
	plobason striken date:
APPLICANT  Name ETTC Engineering Lie (1) 602-472  Address 2225 Identity Averbone (925) 602-472  City Ole 10 10 11 11 11 12 12 12 12 12 12 12 12 12 12	ear / 7. (3. Permit is void if project not boxun within 90 days of approval date  B. WATER SUPPLY WELLS  [Minimum surface seal thickness is two inches of
TYPE OF PROJECT  Well Construction Georgehnical investigation Cuthodic Projection II Georgel	rement grow placed by traule.  2. Minimum seel dopth is 50 feet for municipal and Industrial wells or 20 feet for domestic and inigation
Water Supply B Contamination 9 Monitoring B Well Dustriction	wells unless a leaser depth is specially approved. C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE  New Domestic 0 Replacement Domestic 0  Municipal 0 Inignion 0	Minimum surface soal thickness is two inches of coment grows placed by tremie.      Minimum soal depth for monitoring wells is the
Industrial 0 Other 0	, maximum depth practicable or 20 feet.  D. GEOTECHNICAL  Backfill bore hole by trends with comunit grout or co
Mud Rotary D Air Rutary D Auger D Cable D Other D	grout/sand mixture. Upper two-three test replaced in or with compacted cuttings.  E. CATHUDIC
DRILLER'S NAME W/OCS NOTS Drilling DRILLER'S LICENSE NO. C57-710079	Fill hole anode zone with concrete placed by trans
DRILLER'S LICENSE NO	Send a map of work site. A superate permit is require for wells desportion 45 feet.  (G.) SPECIAL CONDITIONS
WELI, PROJECTS  Drill Hale Diameter in. Maximum Casing Diameter in. Depth in. Surface Stall Depth in. G. Owner's Well Number 126	NOTE: One application must be submitted for each well or we destruction. Multiple borings on one application are accuptable for geologimical and contamination investigations.
GEOTECHNICAL PROJECTS Number of Borings in.	1 100 0-23
ESTIMATED STARTING DATE	APPROVED DATE
I hereby agree to comply with all requirements of this permit and Alameda County	Ordinance No. 73-68,

FAX NO. : 9256024720

Aug. 22 2001 05:26PM P9

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM238

FAX NO. 5107821939

P. 02/03



#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 309 ELMHURST ST. HAYWARD CA. 94544-1395 PRIONE (\$10) 670-5554

CLIENT 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FOR OFFICE USE  NUMBER WO1-708  JUMBER PERMIT CONDITIONS  Circled Permit Requirements Apply
CLIENT Name No. 1 (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	PERMIT CONDITIONS Circled Permit Requirements Apply  NERAL  1. A permit application should be submitted so an to arrive at the ACPWA office five days prior to
CLIENT Name 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PERMIT CONDITIONS Circled Permit Requirements Apply  NERAL  1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to
CLIENT Ne + /e (1 = A T , e )  Name Ne + /e (1 = A T , e )  Address 800 N W (2011   3/14   Phone   18/18 544 - 5948  City 6 10-10+16   6 A   21p 9/202	PERMIT CONDITIONS Circled Permit Requirements Apply  NERAL  1. A permit application should be submitted so at to arrive at the ACPWA office five days prior to
Name	NERAL  1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to
	1. A permit application alread be submitted so as to arrive at the ACPWA office five days prior to
APPLICANT Name ETTC FAGINGERMY Torce	
17 100 / 12 1/1/1 (18 (965) 602-4720	Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
APPLICANT Name ETIC France My Total  Addrew 2215 11200 400 11 12 2ip 405 22 47 10 20 14.  City Ole 1 14 14 14 2ip 405 22 8 B. WA	Tremit is void if project not begun within 90 days of approval date TERSUPPLY WELLS
TYPE OF PROJECT  Well Construction Geographical Investigation	1. Minimum surface and thickness is two inches of sometimes placed by transe. 2. Minimum seal depth is 58 feet for municipal and
Cathodic Protection [] Queeral [] Water Supply [] Contignination [] Monitoring [] Well Destruction [X] C. GRO	Industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.  DUNDWATER MONITORING WELLS
PROPOSED WATER SUPPLY WELL USE New Demostic 0 Replacement Domestic 0	CLUDING PIEZOMETERS 1. Minimum surface soal thickness is two inches of generic group placed by tremis.
Municipal 0 Irigation 0	2.Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.  OTECHNICAL
DRILLING METHOD: Mud Rotary D Air Rotary D Augus D Cable D Other D	Backfill bore hole by trainic with comuni grout ar congressive three feet replaced in or with compacted cuttings.
DRILLER'S NAME WOODS WOLD DOUBLE	THODIC Fill hole anothe sone with concrete placed by tremis ELL DESTRUCTION
DRILLER'S LICENSE NO. <u>C57-710079</u>	Sand a map of work site. A superate permit is require for wells desper than 45 feet.  ECIAL CONDITIONS
Commy Diameter All in Depth 10 1 17 0	TE: One application must be submitted for each well or we struction. Multiple busings on one application are acceptable geocochnical and contamination investigations.
OEOTECHNICAL PROJECTS Number of Borings in. Depth ft.	\ W \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
ESTIMATED STARTING DATE 177/01 ESTIMATED COMPLETION DATE 277/01	OVED DATE

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FROM : FTIC

FAX NO.: 9256024720

Aug. 22 2001 05:25PM P10

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM239 FAX NO. 5107821939

P. 02/03



## ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

PUBLIC 941 PHONE (510) 670-5584 FAX (510)787-1939	844-1395
DRILLING PERMIT AP	PLICATION
LOCATION OF PROJECT NEST LE OUT LOUIS FIX TOY  LOCATION OF PROJECT NEST	POR OFFICE USE  PERMIT NUMBER WO1-709  WELL NUMBER  APN
	PERMIT CONDITIONS Circled Parmit Requirements Apply
CLIENT  Name  Address 900 N. 1/2-1 1/1-2 Phone  City (2 lands 16 ) CA 2/p 1/2-7948  APPLICAN'S  Name  ETTC Engineer 17 725 1602-4720  Address 2 2 8 3 Identical Attended 9 2 5 1602-4710 ex-  City 0/P 1 100 - 200	A. GENESAL  1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.  2. Submit to ACPWA within 60 days after camplation of permitted original Department of Water Resources.  Well Completion Report.  7. Permit is void if project not begun within 90 days of
·	]. Minimum surface soal thickness is two indies of
TYPE OF PROJECT  Well Construction Geotochnical Investigation  Cathodic Protection G General D  Water Supply G Contamination G  Monitoring B Wall Destruction	enment growt placed by trembe.  2. Minimum such depth is 50 feet for municipal and indestrial wells or 20 feet for domestic and infigurion wells unless a lesser depth is specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE  New Domestic   1 Replacement Domestic   0   1   1   1   1   1   1   1   1   1	1. Minimum surface soal thickness is two inches of coment grow placed by tremis.  2. Minimum soal depth for monitoring wells is the maximum depth practicable or 20 feet.  D. GEOTECHNICAL
DRILLING METHOD:  Mud Rotary 0 Air Rotary 0 Augus 0 Cable 0 Other 0	Backfill bare hole by tremic with cement grout or ear grout/sand mixture. Upper two-three first replaced in or with compacted outlings.  E. CATHODIC
DRILLER'S MAME <u>W/OCA WOLD OCITION</u> DRILLER'S LICENSE NO. <u>C57-710079</u>	Fill hole anode zone with concrete placed by tremfile.  WELL DESTRUCTION  Send a map of work site. A separate permit is require for wella deeper than 45 feet.
WELF, PROJECTS  Drill Hole Diamotor WK In. Maximum Casing Diamotor WK In. Depth WK A. Surface Soal Depth WK II. Owner's Well Number V29	NOTE: One application must be submitted for each well or we destruction. Multiple burings on one application are acceptable for geocehnical and contamination investigations.
OFOTECHNICAL PROJECTS Number of Borings	WAS QUESTS
Increby agree to comply with all requirements of this permit and Alameda County Ordin	APPROVED

THE CHAINS

Rcy.5-13-00

FAX NO. : 9256024720

Aug. 22 2001 05:27PM P11

JAN-24-01 WED 10:52 AM

ALAMEDA COUNTY PWA RM238

FAX NO. 5107821939

P. 02/03



## ALAMEDA COUNTY PUBLIC WORKS AGENCY

DRILLING PERMIT APPLICATION

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (\$10) 670-5554 FAX (510)782-1939

Language and the second	
for applicant to complete	for office use
LOCATION OF PROJECT NELT & OU CLUB FICKLY	PERMIT NUMBER UOD1-710 WELL NUMBER APN
tioned the same of	FERMIT CONDITIONS Ciroled Permit Requirements Apply
CLIENT Name 12 - 4/2 (1 - 4 T)  Name Address 800 N Brond 18/3 Phone (8/8) 544- 948  City (2/04/21/21/24 2lp 7/20)	A. GENERAL  1. A normal application should be submitted so as to serive at the ACPWA office five days prior to proposed starting date.  2. Submit to ACPWA within 60 days after completion of
APPLICANT Name ETTC France of Fax (763) 607-4720 Address Z 2 2 5 1/4/2001 Averhone (925) 602-4710 ex- City 01811 111-11111111111111111111111111111	permitted original Department of Waler Resources- Well Completion Report.  3. Fermit is void it project not begun within 90 days of approval date B. WATER SUPPLY WELLS
TYPE OF PROJECT  Well Construction Georgetimical investigation  Cathodic Protection D General D  Water Supply D Contamination D  Monitoring D Well Destruction	1. Minimum surface soal thickness is two inches of sontant grout placed by tremis.  2. Minimum seal depth is 50 feet for municipal and industrial walls or 20 feet for donies is und infigation wells unless a losser depth is specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE  Now Domestic D Replacement Domestic D  Municipal D Infigution D  Industrial D Other D	t. Minimum surface scal thickness is two inches of commit grout placed by tremic.  d.Minimum seat depth for monitoring wells is the maximum depth practicable or 40 feet.  D. GEOTECHNICAL
DRILLING METHOD:  Mud Rotaty U Air Rotary O Augus O Cable O Other O  DRILLER'S NAME WOCA: WOLL Ordling	Buckell born hale by tremic with coment grout are on groutesand mixture. Upper two-three feet replaced in bor with compacted cuttings.  E. CATHODIC  Fill hole anode zone with concrete placed by tremic
DRILLER'S LICENSE NO C57-7100 79	F. WEIL DESTRUCTION  Sond a map of work site. A separate permit is require for wells deeper than 45 feet.  C) SPRCIAL CONDITIONS
Drill Hole Olemeter with in. Maximum Casing Diameter with in. Depth a. Surface Seal Dopin with n. Owner's Well Number	NOTE: One application must be submitted for each well or we destruction. Multiple bonegs on one application are acceptable for geotechnical and contamination investigations.
OKOTECHNICAL PROJECTS  Number of Borings Maximum  Hole Diameter in. Depth n.	8-230
ESTIMATED STARTING DATE 872277	APPROVED DATE
Thereby agree to comply with all requirements of this permit and Alameda County Ordin	Je 1/01
PLEASE PRINT NAME PARTY REV.S.	.13-00

FAX NO. : 9256024720

Aug. 22 2001 05:28PM P12

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM239

FAX NO. 5107821939

P. 02/03



## ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 199 EL-MHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-5554

FOR APPLICANT TO COMPLETE  LOCATION OF PROJECT Next le Out land Except  Out land Cart le Out land Except  CLIENT Name  Address FOO A Mand Was Phone  City le land the A 21p 4 12 2	PERMIT NUMBER WOT 7 // WELL NUMBER APN  PERMIT CONDITIONS Citaled Permit Requirements Apply  A. GENERAL  1. A parmit application should be submitted up as to arrive at the ACPWA office five stays prior to proposed starting date.
CLIENT Name Address FOO N Track Blog Phone (128)	PERMIT CONDITIONS Citaled Permit Requirements Apply  A. GENERAL  1. A parmit application should be submitted up as to arrive at the ACPWA office five stays prior to proposed starting date.
CLIENT Vertle (154 Total 1812) Phone (818) 549-7948 (City (2 land 18) A 21p 9/123	APN  PERMIT CONDITIONS  Circled Permit Requirements Apply  A. GENERAL  1. A point application should be submitted up as to arrive at the ACPWA office five days prior to proposed starting date.
CLIENT No. + 12 (15 4 To 5)  Name 700 N 11000 131 Phone 1818 549-5948  City Colours 16 1 A 21p 9/1205	FERMIT CONDITIONS Citaled Fermit Requirements Apply  A. GENERAL  1. A permit application should be submitted up as to arrive at the ACPWA office five days prior to proposed starting date.
	A. GENERAL  1. A parmit application should be submitted up as to arrive at the ACPWA office five stays prior to proposed starting date.
Name FTICE MAINERS MAY LANCE	pormitted original Department of Water Resources-
APPLICANT Name ETICE, an error by Later 602-4720 Addraw Z 2 8 5 1 1 1 1 1 2 2 2 3 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Well Completion Report.  3 Permit is void if project not buyun within 90 days of approval data  B. WATER SUPPLY WELLS  1. Minimum surface soal thickness in two inches of
TYPE OF PROJECT  Well Construction	noment growt planed by transic.  2. Minimum and depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth it specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE  New Domestic   Replacement Domestic   0  Municipal   Infigution   0  Industrial   0 Other   0	1. Minimum surface soal thickness is two inches of coment grow placed by tremis.  2. Minimum soal depth for monitoring wells is the maximum depth practicable or 20 feet.  D. GEOTECHNICAL
DRILLING METHOD:  Mud Rotary D Air Rotary D Auger D  Cable D Other D	Backfill bow hole by trainic with certain grout or cer grout/sand mixture. Uppur two-three feet taptaced in ' or with compacted cuttings.  E. CATHODIC
DRILLER'S LICENSE NO. C57-710079	Fill hole anodo zono with concrete placed by tremit  (F. WEI.L DESTRUCTION  Send a map of work site. A superate permit is requir for wells deeper than 45 feet.  G. SPECIAL CONDITIONS
WELL PROJECTS  Drill Hole Diameter W. in. Maximum  Casing Diameter W. in. Depth A. d. Owner's Well Number 152	NOTE: One application must be submitted for each well or we destruction. Multiple borings on one application are acceptable for geologimical and contamination investigations.
GEOTECHNICAL PROJECTS Number of Borings Maximum Hole Diameter In. Depth n.	S-Be
ESTIMATED STARTING DATE 8/27/07/ ESTIMATED COMPLETION DATE 8/27/07/	APPROVED VVV DATE
Thereby agree to comply with all requirements of this permit and Alameda County Ordinary Ordinary Stonature  PLEASE PRINT NAME  Rev.S.	121/03

FAX NO. : 9256024720

Aug. 22 2001 05:28PM P13

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM238 FAX NO. 5107821939

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## ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 199 WY MWIIRST' ST. HAYWARD CA. 94544-1395

WORKS PHONE (\$10) 670-5554 FAX (\$10)782-1939	
A SUNCO	
DRILLING PERMIT AP	PLICATION
FOR APPLICANT TO COMPLETE	for office use
LOCATION OF PROJECT NEITLE Oakling Fix	PERMIT NUMBER WO1-7/2 WELL NUMBER
13/0 14th S-reet	WELL NUMBER
and the state of t	
	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT AND THE COUNTY OF THE C	A. GENERAL
Name 1 = 7 /2 (1 = 1 7 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14	1. A permit application abould be aboutted so as to
City to loast 1 le 1 C.A. 21p 7/29	grive at the ACPWA office five days prior to proposed starting date.
APPLICANT	2. Submit to ACPWA within 60 days after completion of bermitted original Department of Water Resources.
Namo ETIC Equiler Tre	Well Cumpletion Report.
Address 2 2 2 5 / 11000 4 12 Phone ( 9 25) 602 47 10 ex-	17. S. Fernik is vaid if project not begun within 90 days of
City Die 3 110 1 11 11 11 11 11 11 11 11 11 11 11	B. WATER SUPPLY WELLS
	1. Minimum surface soal thickness is two inches of sament growt planed by trumic.
TYPE OF PROJECT  Well Construction Geotochnical Investigation	2. Minimum seal depth is 50 feet for municipal and
Cuthodic Protection O General O	Industrial wells or 20 feet for demestic and irrigation wells unless a lessur depth is enecially approved.
Water Supply A Contamination D  Monitoring D Well Destruction	C. GROUNDWATER MONITORING WELLS
	INCLUDING PIEZOMETERS  1. Minimum surface scal thickness is two inches of
PROPOSED WATER SUPPLY WELL USE New Domestic D Replacement Domestic D	coment grout placed by tremia.
Municipal D Imigation 0	2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
Industrial 0 Other 0	D. GEOTECHNICAL
PRILLING METHOD:  Mud Rotary D Air Rotary D Agger D	Backfill bore hole by tremic with cement grout or cen grout/sand mixture.Upper two-inred fact replaced in k
Mud Rotary D Air Rotary D Augus D Cable Q Other D	or with compacted cuttings.
DRILLER'S NAME WOOD WOLD Drilling	E. CATHODIC  Fill hole anode cone with concrete placed by trentic
the first the state of the stat	F. WELL DESTRUCTION
ORILLER'S LICENSE NO. <u>C57-710079</u>	Sond a map of work site. A separate permit is require for wells deaper than 45 feet.
	G. SPRCIAL CONDITIONS
Drill Hole Dlamoter WK in Maximum	NOTE: One application must be submitted for each well or we
Casing Diameter in Depth the	destruction. Multiple borings on one application are acceptable
Surface Scal Dopth	for geologial and contomination involving the contomination of the conto
GEOTECHNICAL PROJECTS	
Number of Borings Maximum Hala Diameter in. Doub ft.	0223
ESTIMATED STARTING DATE \$/27/01	1 ~~~ 1
ESTIMATED COMPLETION DATE 8/12/21	APPROVED DATE
thereby surce to comply with all requirements of this permit and Alameda County Ordin	
APPLICANT'S SIGNATURE DATE	221/01
PLEASE PRINT NAME ROYS	-13-60
MENOR FROM DIVINE	

FAX NO. : 9256024720

Aug. 22 2001 05: 29PM P14

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM239 FAX NO. 5107821939

P. 02/03



#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATED DESCRIBES SECTION

PUBLIC 399 ELMHURST'ST, HAYWARD CA. 91 PHONE (\$10) 670-5554 FAX (\$10)782-1939	
DRILLING PERMIT AF	PPLICATION
FOR APPLICANT TO COMPLETE  LOCATION OF PROJECT NEST LE Outelland Fine evry  13/0 444 54/000	POR OFFICE USE  PERMIT NUMBER  WELL NUMBER  APN
CLIENT Name  Address 100 N. Brown 15/2. Phone 17/3 549-5948  City (vlandile) (A 21p 4/25) 607-4720  APPLICANT Name ETTC For any extrap Trace  Address 2275 Interest Averhore (925) 607-4720  Address 2275 Interest Averhore (925) 607-4720  City (9/24-10) 40-411 (5-2) 21p 4452	PERMIT CONDITIONS Circled Permit Requirements Apply  A. GENERAL  1. A permit application should be submitted so as to arrive at the ACPWA affice five days prior to proposed starting date.  (2.) Submit is ACPWA within 60 days after completion or 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 Geographical Investigation Cathodic Protection D General D  Water Supply D Contamination D  Monitoring D Well Destruction	1. Minimum surface wall thickness is two inches of "oment green planed by transle.  2. Minimum sual depth is 50 (set for municipal and industrial wells or 20 (set for domestic and irrigation wells unless a lesser depth is specially approved.  C. GROUNDWATER MONITORING WELLS
PROPOSED WATER SUPPLY WELL USE  New Damestic   Replacement Domestic	INCLUDING PIEZOMETERS  1. Minimum surface soft thickness is two inches of coment grout placed by tremie.  2. Minimum seal dupth for monitoring wells is the maximum dopth practicable or 20 feet.  D. GEOTECHNICAL
DRILLING METHOD:  Mud Rotary D Air Rotary D Augur D  Cable D Other D  DRILLER'S NAME MOCA WOLLD DOWN	Backfill bore hole by tremic with communigrant or as groups and mixture. Upper two-three fret replaced in or with compacted curtings,  E. CATHODIC  Fill hole anode zone with noncrete placed by tremi  WELL DESTRUCTION
WELL PROJECTS  Drill Hale Dismotor Will in. Maximum Casing Diameter Will in. Dopth Will A. Surface Sent Dapth Will A. Owner's Wall Number 193	Send a map of work site. A separate permit is required the wells desper than 45 feet.  G. SPECIAL CONDITIONS  NOTE: One application must be submitted for each well or we destruction. Multiple borings on one application are acceptable for geotechnical and contamination invatigations.
CROTECHNICAL PROJECTS  Number of Horings	APPROVED WATE DATE

FAX NO. : 9256024720

Aug. 22 2001 05:29PM P15

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM238 FAX NO. 5107821939

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#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

PUBLIC PHONE (510) 670-5554 FAX (510)782-1939	
DRILLING PERMIT A	PPLICATION
FOR APPLICANT TO COMPLETE  LOCATION OF PROJECT NEAT LE OUTEN FOR 1889	FOR OFFICE USE PERMIT NUMBER WO1-714
13/0 14th First	WELL NUMBER APN
	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT Name Name To No Mand 181-4 Phone 1818 549-5948  City Wood rie 5 6 4 Zip 9 12 35	A. GENERAL  1. A permit application should be submitted so as to arrive at the ACPWA office five tays prior to proposed starting date.
APPLICANT Name ETTC En 410 487 104 700.  Address 2 2 2 5 11.4.7.0	7 Cultimite to A POSS A middle 60 during a form an annual material at
TYPE OF PROJECT  Well Construction  Cathodic Protection  Water Supply  Monitoring  General  General  General  General  General  General  General  Water Supply  Well Destruction	nament grow planed by wante.  2. Minimum seed depth is 50 feet for municipal and industrial wells or 20 feet for domestic and infigation wells unless a lesser depth is specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL, USE  New Domestic 0 Replacement Domestic 0  Municipal 0 Irrigation 0  Industrial 0 Other 0	1. Minimum surface sout thickness is two inches of coment grow placed by tremis.  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.  D. GEOTECHNICAL
DRILLING METHOD:  Mud Ruthry 0 Air Rotary 0 Augus 0 Cable 0 Other 0	Backfill bare hole by trainic with coment grout or ce grout/sand mixture. Upper two-three test replaced in or with compacted suttings.
DRILLER'S MAMB WOOD WOLD OUTING  DRILLER'S LICENSE NO. C57-710079	Fill hole anode zone with annerete placed by troud  WEILDESTRUCTION  Send a map of work site. A separate permit is required to well a deeper than 45 feet.  G. SPRCIAL CONDITIONS
WELL, PROJECTS  Drill Hole Diameter in. Maximum  Cusing Diameter R. in. Depth A.  Surface Soal Pupih R. it. Owner's Well Number	NOTE: One application must be submitted for each well or we destruction. Multiple borings on one application are acceptable for newtonical and contamination investigations.
GEOTECHNICAL PROJECTS Number of Burings Maximum Holo Dianetor m. Depth R.	
ESTIMATED STARTING DATE 2/27/01 ESTIMATED COMPLETION DATE 2/2/01	APPROVED SATE
I hereby agree to comply with all requirements of this permit and Alameda County Ordli	nance No. 73-68.

FAX NO.: 9256024720

Aug. 22 2001 05:30PM P16

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM239 FAX NO. 5107821838

P. 02/03



## ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 PLMHURST ST. HAYWARD CA. 94844-1395 PEIONE (\$10) 670-5554

DRILLING PERMIT AP	PLICATION
LOCATION OF PROJECT NELT & Oakling Fally  1310 1412 Front  Oaklind a Fally	PERMIT NUMBER WCS 7/5 WELL NUMBER
Darland; California	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT Name Address City (a land) land Applicant Name ETTC Fax 1923 (a) 2 4720  Address City (b) (a) (a) (b) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	A. GENERAL  1. A parmit application should be submitted to as to unive at the ACPWA office five days prior to proposed starting date.  1. Submit to ACPWA within 60 days after completion of apmitted original Department of Water Resources.  Well Completion Report.  3. Fermit is void if project not begun within 90 days of approval date  B. WATER SUPPLY WELLS  1. Minimum surface soal thicknesh is two inches of annual group planed by tromis.  2. Minimum soal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a tessor depth is specially approved.  C. GROUNDWATER MONITORING WELLS  1. Minimum surface seal thickness is two inches of coment grout placed by tremic.  2. Minimum and depth for monitoring wells is the maximum depth practicable or 20 feet.  D. GEOTECHNICAL  Backfill bore hole by tremic with carnent grout or cargonal groups and mixture. Upper two-three foot replaced in
Mud Rodary 0 Air Rodary 0 August 0 Cable 0 Other 0 August 0 DRILLER'S NAME WOLA WOLD Drilling DRILLER'S LICENSE NO. C57-710079	er with compacted curings.  E. CATHODIC  Fill hole anada zone with concrete placed by tront  WEIL DESTRUCTION  Send a map of work site. A separate permit is regulater wells deeper than 45 feet  G. SPECIAL CONDITIONS
WELT, PROJECTS  Drill Hole Olamotor Will in. Maximum Casing Diameter Will in. Depth Will N. Suctore Seal Dopth Will N. Owner's Wall Number 216	NOTE: One application must be submitted for each well or we destruction. Multiple barings on one application are neceptable for useacchairst and contamination investigations.
GEOTECHNICAL PROJECTS  Number of Borings Maximum  Holo Diumeter in. Depth ft.  ESTIMATED STARTING DATE  ESTIMATED COMPLETION DATE	APPROVED DATE
	13-00 No. 73-68.

JnN-24-01 WED 10:52 AM

FROM : FTIC

FAX NO. : 9256024720

ALAMEDA COUNTY PWA RM239

Aug. 22 2001 05:31PM P17 FAX NO. 5107821939

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# ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94644-1195

WORKS PHONE (\$10) 670-5554  FAX (\$10)782-1939	\ 
DRILLING PERMIT AL	PPLICATION
LOCATION OF PROJECT NEXT LE QUILLIANT TO COMPLETE  LOCATION OF PROJECT NEXT LE QUILLIANT TO COMPLETE NEXT LE QUILLIANT TO COMPLET	PERMIT NUMBER WO1 - 7/62 WELL NUMBER
The state of the s	PERMIT CONDITIONS Ciroled Permit Requirements Apply
CLIENT THE TIE TO A BOOK BOOK BOOK BOOK BOOK BOOK BOOK B	A. GENERAL  1. A permit application should be submitted so as to arrive 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.
APPLICANT Name ETEC Engineering Tree Rey an I gam deel   Fax   423   602 - 4720 Address Z Z Z Z Z Lypercan Are Phone   42 D 602 - 4710 ecc City Die a	1. Minimum zurface soul thickness in two inches of annual growt placed by tromic.
TYPE OF PROJECT  Well Construction Genochical Investigation Cathodic Frotection D Genoral D  Water Supply D Contamination D  Monitoring D Well Destruction	2. Minimum seal depth is 50 feet for municipal and Industrial wells or 20 feet for demestic and irrigation wells unless a lesser depth is specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE  New Domestic 0 Replicement Domestic 0  Municipal 0 Inigation 0  Industrial 0 Other 0	1. Minimum surface seat thickness is two inches of coment grow piaced by tremed 2. Minimum soal depth for monitoring wells is the maximum depth practicable or 20 feet.  D. GEOTECHNICAL
DRILLING METHOD:  Mud Rotary () Air Rotary () Augus ()  Cable () Other ()	Backfill bare hole by trainic with coment grout or cer groutsand mixture. Upper two three feet replaced in or with compacted cuttings.  E. CATRODIC
DRILLER'S LICENSENO. C57-710079	Fill hole anode zone with concrete placed by tremi  F. WEIL DESTRUCTION  Send a map of work site. A separate permit is require for wells deeper than 45 feet.  G. SPECIAL CONDITIONS
WELL PROJECTS  Drill Hole Diameter in. Maximum  Casing Diameter in. Depth II. Owner's Well Number 2/8.	NOTE: One application must be submitted for each well or we destruction. Multiple borings on one application are acceptable for gentechnical and contamination investigations.
GEOTECHNICAL PROJECTS  Number of Burings Maximum  Holu Diameter in. Dopth th	1 MAK X-230
ESTIMATED COMPLETION DATE 2/2/2/	APPROVED DATE
I hereby agree to comply with all requirements of this permit and Alameda County Ore	Ginanes No. 73-08.

Ray,5-13-00

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM239

FAX NO. : 9256024720

Aug. 22 2001 05:31PM P18

FAX NO. 5107821838

Pr 02/03



#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-5554 FAX (510)782-1930

DRILLING PERMIT AT	PPLICATION
FOR APPLICANT TO COMPLETE	For office use
LOCATION OF PROJECT NEXT LE CASTINA FIR 11th	PERMIT NUMBER (1)01-7/7 WELL NUMBER
Programme and the state of the	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT Name 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A. GENERAL.  1. A permit application should be submitted so so to arrive at the ACPWA office five days prior to proposed starting date.
APPLICANT Name ETTC Engineer na Tac.  BC 1 an far 18611 Fux 1925 602-4720  Address 2.285 Identica Averhone 1925 602-4710 ex-  Chy pleasure 1925 602-4710 ex-	
TYPE OF PROJECT  Well Construction Quatechnical Investigation  Cathodic Protection D General D  Water Supply D Contamination U  Monitoring N Well Distruction	1. Minimum surrace sual trackness is two mones of services group placed by tremts. 2. Minimum seal depth is 50 feet for municipal and laduarial wells or 20 feet for domestic and irrigation wells unless a leaser depth is specially approved. C. GROUNDWATER MONITORING WELLS.
PROPOSED WATER SUPPLY WELL USE  New Domestic II Replacement Domestic II  Municipal II Industrian II  Industrial II Other II	INCLUDING PIEZOMETERS  1. Minimum surface scal thickness is two inches of coment grout placed by tremis.  2. Minimum soul depth for monitoring wells is the meximum depth practicable or 20 feet.
DRILLING METHOD:  Mud Retary D Air Relacy Q Auger C Cable U Other B	D. GEOTECHNICAL  Buckfill bere hale by tremic with coment grout or congrout/sand mixture. Upper two-three fact replaced in or with compacted cuttings.
DRILLER'S NAME WOCK WOLD Orilling	E. CATRODIC  Fill hole anode zone with concrete placed by transic
DRILLER'S LICENSE NO C57-710079	F. WELL DESTRUCTION  Sond a map of work site. A separate permit is require for wells deeper than 45 feet.
WELL, PROJECTS  Urill Hole Diameter Will in. Maximum Casing Diameter Will in. Depth A. A. Surface Seal Dopth Will R. Owner's Well Number 219	G. SPECIAL CONDITIONS  NOTE: One application must be submitted for each well or we destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.
GEOTECHNICAL PROJECTS Number of Borings Maximum Halo Diameter In. Depth R.	
ESTIMATED STARTING DATE 3/27/0/ RSTIMATED COMPLETION DATE 3/2/2/	APPROVED MATE
Thereby surce to comply with all requirements of this permit and Alameda County Ordina	nce No. 73-68.
APPLICANT'S SIGNATURE DATE	121101
PLEASE PRINT NAME STATE PROVIDE REV.S-1.	3-00

FAX NO. : 9256024720

Aug. 22 2001 05: 32PM P19

JNN-24-01 WED 10:52 AM

ALAMEDA COUNTY PWA RM238

FAX NO. 5107821939

P. 02/03



#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94 PHONE (\$10) 670-5554 FAX (\$10)781-1939	₹ 1544-1395
DRILLING PERMIT AP	PLICATION
LOCATION OF PROJECT Neitle Carling Fix way	FOR OFFICE USE  PERMIT NUMBER WO1-7/63  WELL NUMBER APN
CLIENT 12 + 10 11 A T 25 A T 2	PERMIT CONDITIONS  Circled Permit Requirements Apply  A. GENERAL  1. A permit application should be submitted to as to arrive at the ACPWA office five days prior to
APPLICANT Name ETIC En Maser of Tree  Address 2275 March of Verhous (925) 602-4710 eco.  City Ole 1 10 10 11 1 1 2 10 195 23	proposed starting data.  Submit to ACPWA within 60 days after completion of pormitted original Department of Water Resources.  Cell Completion Report.  J. Fermit is vaid if project not bogun within 90 days of approval data  B. WATER SUPPLY WELLS
TYPE OF PROJECT  Well Construction Geotochnical Investigation Cathodic Protection G General G  Water Supply G Contamination G  Monitoring G Well Distriction	1. Minimum surface seal thickness is two inches of someont growt planed by tromis. 2. Minimum teed depth is 50 feet for municipal and Indepartal wells or 20 feet for demostic and trigation wells unless a lesser depth is specially approved. C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE  New Domestic   Replacement Domestic   O  Municipal   Intigation   O  Industrial   O Other   O  DRILLING METHOD:	I. Minimum surface scal thickness is two inches of coment grout placed by tramic,  2. Minimum seed depth for monitoring wells is the maximum depth practicable or 20 feet.  D. GEOTECHNICAL.
Mud Rotary U Air Rotary O Augus O Cable O Other O Orilling	Backfill bore hole by tremic with coment grout or cer grout/and mixture. Upper two-three fact replaced in or with compacted cuttings.
DRILLIER'S LICENSE NO. C57-710079	Fill hole anode zone with concrets placed by tromit  F. WELL DESTRUCTION  Send a map of work site. A separate permit is requir  for wells desper than 45 feet.
WELL, PROJECTS  Drill Hole Olemeter W.K. in. Maximum Casing Diameter in. Depth 1. Owner's Well Number 221	G. SPECIAL CONDITIONS  NOTE: One application must be submitted for each well or we destruction. Multiple borings on one application are acceptable for geologhnical and contamination invasignations.
OFOTECHNICAL PROJECTS Number of Borings Maximum Holo Diameter In. Depth n.	112 (012)
ESTIMATED STARTING DATE 2/2/2/	APPROVED DATE

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

Rcv.5-13-00

FAX NO. : 9256024720

Aug. 22 2001 05:33PM P20

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM239

FAX NO. 5107821939

P. 02/03



#### ALAMEDA COUNTY PUBLIC WORKS AGENCY WATER RESOURCES SECTION 399 ET.MHURST ST. HAYWARD CA. 94544-1395 PYIONE (\$10) 670-3554 FAX (510)782-1939 DRILLING PERMIT APPLICATION FOR APPLICANT TO COMPLETE FOR OFFICE USE PERMIT NUMBER 11)C LOCATION OF PROJECT NOT LE DAKING FOR 11 to 13/0 14+6 7+1007 WELL NUMBER Ouriand; Californ APN PERMIT CONDITIONS Circled Permit Requirements Apply CLIENT Vertle 11-47 .... A. GENERAL Address 800 N. Bran 18/2 Phone (180:44-5) 1. A permit application should be submitted so as to strive at the ACPWA office five days prior to proposed grarling data. Subinit to ACPWA within 60 days after completion of permitted original Dunaitment of Water Rusourens. Well Completion Report. 3. Formit is void if project not begun within 90 days of upproval data B. WATER SUPPLY WELLS I. Minimum surface seal thickness is two inches of TYPE OF PROJECT content grow planed by tremie. Well Construction Geotschnical Investigation 2. Minimum seal depth is 50 feet for municipal and Cathodio Protection **General** Industrial wells or 20 feet for domestic and irrigation Water Supply ß Contamination wells unless a lessor depth is specially approved. Monitoring Well Dustraction C. GROUNDWATER MONITORING WELLS including piezometers PROPOSED WATER SUPPLY WELL USE 1. Minimum surface soal thickness is two inches of New Domestic | | 1 Replacement Domestic cament grout placed by tremia. Municipal frigation O 2. Minimum soul depth for monitoring wells is the Industrial Other .... maximum depth practicable or 20 feet. D. GEOTECHNICAL DRILLING METHOD: Backfill bare hole by trainic with certain grout or cer Mud Roisty Air Rolary 0 grout/sand mixture. Upper two-three feet replaced in I Cable Other or with compacted cuttings. E. CATHODIC ORILLER'S NAME 4/OCA WOLL Orilling Fill hole anode zone with congrete placed by tremit DRILLER'S LICENSENO. C57-7100 WELL DESTRUCTION Send a map of work site. A separate permit is require for wells desper than 45 feet SPECIAL CONDITIONS WELL PROJECTS Drill Holo Dlameter A in. Casing Diameter A in. Surface Scal Dapth A ft. NOTE: One application must be submitted for each well or we Depth N. Owner's Well Number 225 destruction. Multiple borings on one application are neceptable for geotechnical and contamination investigations.

GROTECHNICAL PROJECTS

Number of Borings Holo Diamater \_\_\_\_

Maximum Dopih \_\_\_

ESTIMATED STARTING DATE ESTIMATED COMPLETION DATE 3727

APPROVED

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE PLEASE PRINT NAME\_

FAX NO. : 9256024720

Aug. 22 2001 05:33PM P21

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM239

FAX NO. 5107821839

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#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION JOO ELMHURST ST. HAYWARD CA. 04544-1395

DRILLING PERMI	TAPPLICATION
FOR APPLICANT TO COMPLETE	POR OFFICE USE
LOCATION OF PROJECT Nest le Daring Fre 127	PERMIT NUMBER W67-720 WELL NUMBER APN
	PERMIT CONDITIONS
CLIEN'I'	Circled Permit Requirements Apply
Name PETTE LE AT THE	A. GENERAL
CLIENT Very le 11 - 11 Tomo 1919 544 - 1948  Address 400 N. Brand 131-1. Phone 1919 544 - 1948  City (p. 1640 - 18) C. T. Zip 412 13	1. A permit application should be submitted so as to anive at the ACPWA office five days prior to
	proposed starting duto.
APPLICANT Name ETTC Findinger of The	2. Submit to ACPWA within 60 days after complation of
RC190 ( an abell for 1965) 601-472	parmitted original Department of Water Resources.  Well Completion Report.
Name ETTC 15 1 400 888 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 Remil is void if project not begun within 90 days of approval date
	B. WATER-SUPPLY WELLS
type of project	1. Minimum surface seal thickness is two inches of
Well Construction Gentschnical Investigation	content grow placed by trumla.
Cathodic Projection B General D	2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for demonstic and irrigation
Water Supply 0 Contamination 0	wells unless a lesser depth is specially approved.
Monitoring A Well Dustraction	C. SKOUNDWATER MONITORING WELL'S
Proposed Water Supply well use	including piezometers
Now Domestic D Replacement Domestic D	1. Minimum surface scal thickness is two inches of
Municipal O Inigation	comoni grout placed by tremie.
Industrial Q Other U	2. Minimum soul depth for monitoring wells is the meximum depth practicable or 20 feet.
	D. GEOTECHNICAL
RILLING METHOD:	Backfill bare hole by trainic with content grout or ca
Mud Rotary 0 Air Rotary 0 Auger 8 Cable 0 Other 8	grout/sand mixture. Upper two-three feet rapigeod in
Cable 9 Other 9	or with compacted cuttings.
RILLER'S NAME 11/003 WOLD ONLY	E CATHODIC
And the state of t	Fill hole anade zone with concrete placed by treati
RILLPR'S LICHNSENO. C57-710079	Sand a map of work site. A superate permit is requir
· · · · · · · · · · · · · · · · · · ·	for wells deeper than 45 feet.
vell projects	G. Special conditions
Drill Hole Dismoter WK in. Maximum	
Casing Diameter III in Depth 18	NOTE: One application must be submitted for each well or we
Caring Diameter III. in. Depth 1. Surface Seal Depth Will Number 228	destruction. Multiple borings on one application are acceptable for appointmental and contamination invasigations.
•	An Procediment auf anismustutiou in activities?
GEOTECHNICAL PROJECTS Number of Section	!
Number of Borings Maximum Hole Diameter in Depth R.	
2	1-1-1 XASO
STIMATED STARTING DATE 27701	Ja MASIC Discontinuo
ISTIMATED COMPLETION DATE	APPROVED DATE
hereby agree to comply with all requirements of this permit and Alameda County Or	
And the same of th	
PHICANT'S SIGNATURE DATE	(21/21/21)
I THE THE PARTY OF	(5.13.00

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM239

FAX NO. : 9256024720

Aug. 22 2001 05:34PM P22

FAX NO. 5107821939

P. 02/03



#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

PRILLING PERMIT APPLICATION  FOR APPLICANT TO COMPLETE  FUR OFFICE USE  PERMIT CONDITIONS  CLIENT  CLIENT  CLIENT  Name  CLIENT  Name  Address  APPLICANT	PUBLIC 909 ELMHURST ST. HAYWARD CA. PHONE (\$10) 670-3584 FAX (\$10)782-1930	
DOCATION OF PROJECT 18 The California 19 Control of the California 19 Cont	DRII, LING PERMIT A	PPLICATION
CLIENT Name  CLIENT Name  APPLICANT Address 100 N II Cast 1112 Phone 1710 447 948  APPLICANT Agree 1711 Fax 1713 602 447 948  APPLICANT Address 200 N II Cast 1112 Phone 1710 447 948  APPLICANT Agree 1711 Fax 1713 602 447 948  APPLICANT Address 201 N II Cast 1112 Phone 1710 447 948  APPLICANT Agree 1711 Fax 1713 602 447 948  A GENEILL  A permit application, should be submitted so as to urrive at the ACPWA officer five days prior to proposed string date.  Submit to ACPWA officer five days prior to proposed string date.  Submit to ACPWA officer five days prior to proposed string date.  Submit to ACPWA officer five days prior to proposed string date.  Submit to ACPWA officer five days prior to proposed string date.  Submit to ACPWA officer five days prior to proposed string date of groups and depth is 70 feet for municipal and industrial wells or 20 feet for mu		
CLIENT Name Address 100 A Trat.  Address 100 A Trat.  Address 100 A Trat.  Applicable A 2 lp 120 2 47 20  Address 100 A Trat.  Applicable A 2 lp 120 2 47 20  Address 100 A Trat.  Applicable A 2 lp 120 2 47 20  Address 100 A Trat.  Applicable A 2 lp 120 2 47 20  Address 2 long 1	13/0 14th Street	WELL HUMBER
Address J. A. GENEIRA!  1. A permit application should be submitted so as to unrive at the ACPWA office five days prior to proposed starting date.  APPLICANT  Applic	CLENT	PERMIT CONDITIONS Circled Permit Requirements Apply
Address 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Name 7 = + 1 = 1 = 4 Total  Address \$ 00 N   1   4   1   1   1   Phone	<ol> <li>A permit application should be submitted so as to unive at the ACPWA office five days prior to</li> </ol>
TYPE OF PROJECT  Well Construction Cathodic Projection Cathodic Contamination Cathodic Projection Cathodic Contamination Cathodic Contamina	APPLICANT  Number ET IC Extra serving Tax.  1 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	
New Doubtestic D Replacement Darnestic D Inrigation Doller	TYPE OF PROJECT  Well Construction Geotochnical Investigation Cathodic Projection [] General []  Water Supply [] Contamination []	8. WATER-SUPPLY WELLS  1. Minimum surface seal thickness is two inches of account grow placed by transic.  2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for donestic and infessio wells unless a lessor depth is specially approved.  C. GROUNDWATER MONITORING WEYLS
Backfill bare hole by trainle with cemant grout are of groups and mixture. Upper two-three feet replaced in or with compacted cuttings.  DRILLER'S NAME ACCA NOCA OF IT IN Substituting DRILLER'S LICENSE NO. 57 - 7100 79  DRILLER'S LICENSE NO. 57 - 7100 79  WELL PROJECTS  Drill Hale Diameter A in. Depth A i	New Domestic D Replacement Domestic D	<ol> <li>Minimum surface sold thickness is two inches of voment grout placed by tremis.</li> <li>Minimum soal depth for monitoring wells is the maximum depth bracticable or 20 that.</li> </ol>
DRILLER'S NAME AND	Mud Rotary D Air Rotary D Augus D	Backfill bore hole by tranic with cement grout are grout with cement grout are grout and fine two-three feet technology or with compared cuttings.
WELL, PROJECTS  Drill Hale Diameter with in. Maximum Casing Diameter with in. Depth in. Depth in. Owner's Well Number 27  GEOTRCHNYCAL PROJECTS Number of Borings Maximum Hole Diameter in. Depth R.  Westimated for each well or we destruction. Multiple borings on one application are neceptable for geotechnical and contamination investigations.  Westimated for each well or we destruction. Multiple borings on one application are neceptable for geotechnical and contamination investigations.  Westimated for each well or we destruction. Multiple borings on one application are neceptable for geotechnical and contamination investigations.		Fill hole anode zone with unnerete placed by trem FWEIL DESTRUCTION Send a map of work site. A separate permit is requi
Number of Borings Maximum Hole Diameter In. Depth n.  ESTIMATED STARTING DATE 5/27/07	Drill Halo Diameter A. in. Maximum Casing Diameter A. in. Depth A. n. Surface Seal Dopth A. R. Owner's Well Number 229	C./SPRCIAL CONDITIONS  NOTE: One application must be submitted for each well or w destruction. Multiple borness on one application are necessarily
	Number of Borings Maximum Hole Diameter in Depin n.  ESTIMATED STARTING DATE  Maximum  Depin n.	8-18-

Ray,5-13-00

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68

PLEASE PRINT NAME

JAN-24-01 WED 10:52 AM

FROM : FTIC

FAX NO. : 9256024720 ALAMEDA COUNTY PWA RM238

Aug. 22 2001 05:34PM P23 FAX NO. 5107821939

P. 02/03

PUBLIC WATER RESOURCES SECTION OF THE PROPERTY	7A. 94544-1395
LOCATION OF PROJECT Nest le Odd land For le y	PERMIT NUMBER WO7-722 WELL NUMBER APN
CLIENT Name 12 7/10 (1 4 7.12 Address 900 M 11 (201 11 12) Phone [11] 544-174 48 City & Leach 10 (4 21p 4 12) Phone [11] 544-174 48 City & Leach 10 (4 21p 4 12) Phone [12] 544-174 48 City & Leach 10 (4 21p 4 21) (602-47) 2 Address 2 (5 5 14) 175 (2 4 21p 4 22) (602-47) 4 City & Dan 10 (10 21) 4 21p 4 22	PERMIT CONDITIONS Circled Permit Requirements Apply  A. GENERAL  1. A permit application should be submitted so as to serious at the ACPWA office five clays prior to proposed starting dute.  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 so days of approval date.
TYPE OF PROJECT  Well Construction Geotochnical Investigation Cathodic Protection D General D Water Supply D Contamination D Monitoring D Well Destruction  FROPOSED WATER SUPPLY WELL USE New Domestic D Replacement Domestic D Municipal D Instruction D	I. WATER SUPPLY WELLS  1. Minimum surface soal thickness is two inches of council grow placed by tremio.  2. Minimum seal dopth is 50 feet for municipal and indestrial wells or 20 feet for domestic and irrigation walls unless a leasur dopth is specially approved.  C. GROUNDWATER MONITOWING WELLS  INCLUDING PIEZOMETERS  1. Minimum surface soul thickness is two inches of connent grout placed by tremio.  2. Minimum and dopth for monitoring wells is the
Industrial (1 Other 0  DRILLING METHOD: Mud Rotary (1) Air Rotary (1) Augus (1) Cable (1) Other (1)  DRILLER'S NAME Was 10 (1) (1) (1)  DRILLER'S LICENSE NO. (57-710079)	maximum depth practicable or 20 feet.  13. GEOTECHNICAL  Backfill bore hole by trainle with current grout or congressed mixture. Upper two-three feet replaced in or with compacted custings.  E. CATHODIC  Fill hole anode zone with concrete placed by trainle  F. WELL DESTRUCTION  Sand a map of work site. A superate permit is require for wells deeper than 45 feet.
WELL, PROJECTS  Drill Hale Diameter in. Caring Diameter in. Depth In. Surface Sual Depth In. Owner's Wall Number 230  GEOTECHNICAL PROJECTS  Number of Periogs Maximum  Hole Diameter in. Depth n.  ESTIMATED STARTING DATE 3/27/01:  ESTIMATED COMPLETION DATE 3/27/01:	G. SPECIAL CONDITIONS  NOTE: One application must be submitted for each well or we destruction. Multiple borings on one application are acceptable for gentechnical and contamination investigations.

Thereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68,

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FAX NO. : 9256024720

Aug. 22 2001 05: 35PM P24

JAN-24-01 WED 10:52 AM ALAMEDA COUNTY PWA RM238

FAX NO. 5107821839

P. 02/03



#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

WORKS PHONE (510) 670-5584 FAX (510) 7NZ-1939	1544-1395
DRILLING PERMIT AF	PLICATION
LOCATION OF PROJECT NEIT LE Dajellan French	FOR OFFICE USE PERMIT NUMBER WO7 723 WELL NUMBER AFN
CLIENT Vertle (25 A Tore Name Vertle (25 A Tore Address VOO N. 16 and 18	PERMIT CONDITIONS Circled Permit Requirements Apply  A. GENERAL
City (	1. A permit application alread to a submitted so as to arrive 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.
TYPE OF PROJECT  Well Construction Geoschnical Investigation Cathodia Projection A General B	3. Dermit is void if project not begun within 90 days of approved date  B. WATER SUPPLY WELLS  1. Minimum surface seal thickness in two inches of content grant placed by troubs.  2. Minimum seal depth is 50 feet for municipal and industrial walls or 20 feet for domestic and irrigation
Water Supply II Contamination D Monitoring II Well Destruction E  PROPOSED WATER SUPPLY WELL USE: New Domestic II Replacement Domestic II	wells unless a lesser depth is specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS  1. Minimum surface soul thickness is two inches of coment grout placed by tremis.
Municipal A Irrigation (I) Industriat (I) Other (I)  DRILLING METHOD: Mud Retary (I) Air Retary (I) Augus (I)	2. Minimum usul depth for monitoring wells is the maximum depth practicable or 20 feet.  D. GEOTECHNICAL.  Dackfill bare hole by trainic with content grout or as
DRILLER'S NAME WOOD WOLD Drilling  DRILLER'S LICENSE NO. C57-710079	grouvsand mixture. Upper two-three feet replaced in or with compacted cuttings.  E. CATHODIC  Fill hole anode zone with concrete placed by tremi  F. WELL DESTRUCTION
WELL PROJECTS  Drill Hole Diameter III in. Maximum Casing Diameter III in. Depth III n. Surface Real Dapth III n. Owner's Well Number 234	Send a map of work cits. A septente permit is required for wells desper than 45 feet.  G. SPECIAL CONDITIONS  NOTE: One application must be submitted for each well or we destruction. Multiple borings on one application are acceptable.
GEOTECHNICAL PROJECTS  Number of Rorings Maximum  Holo Diameter in Depth R.	for goolcohnical and contamination invastigations.
ESTIMATED STARTING DATE  ESTIMATED COMPLETION DATE  Thereby agree to comply with all requirements of this permit and Alameda County Ordinan-	APPROVED DATE
The state of the second of the second of the permit and Alameda County Ordinan-	es No. 73-68. /

FAX NO.: 9256024720

Aug. 22 2001 05:36PM P25

JAN-24-01 WED 10:52 AM

ALAMEDA COUNTY PWA RM239

FAX NO. 5107821839

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# ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-5554 FAX (510)782-1939

PRILLING PERMIT AP	PLICATION
LOCATION OF PROJECT NEXT LE CATALITY  AND	FOR OFFICE USE  FERMIT NUMBER WOLL NUMBER  APN  PERMIT CONDITIONS
CLIENT Name  Address 700 N. Branch 11 Phone 110 44-7947  Applicant  Name  ETTC Granter fax 725 602-4720  Address 2 2 5 Argon of Phone 1925 602-4720  City Planter for 25 1602-4720	Circled Fermit Requirements Apply  A. GENERAL  1. A purmit application should be submitted so as to arrive at the ACPWA office five days prior to proposed sterling date.  2. Submit to ACPWA within 60 days after completion of parmitted original Department of Water Resources.  Well Completion Report.  3. Fermit is void if project not begun within 90 days of approval date
TYPE OF PROJECT  Well Construction	1. Minimum surface sual thickness is two inches of someout ground phased by tremic. 2. Minimum seed depth is 50 feet for municipal and industrial wells or 20 feet for demestic and inigation wells unless a lesser depth is specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS  1. Minimum surface soal thickness is two inches of coment grout placed by tremis.  2. Minimum seal depth for monitoring wells is the
Industrial Q Other 0  DRILLING METHOD: Mud Rotory D Air Rotary D Auger D Cable Q Other D  DRILLER'S NAME WORD WOF D OF 111 119  DRILLER'S LICBNSE NO. C 5 7 - 7100 79	maximum depth practicable or 20 feet.  D. GEOTECHNICAL  Backfill bare hole by tremic with coment grout or ce grout/sand mixture. Upper two three feet replaced in or with compacted cuttings.  E. CATHOPIC  Fill hole anode zone with concrete placed by trend WELL DESTRUCTION  Send a map of work site. A separate permit is requi
WELL, PROJECTS  Drill Hole Dismoter WK in. Maximum Cusing Diameter WK in. Depth W A.  Surface Soul Dopin W A. (1).  Owner's Wall Number 2 3 5	G. SPECIAL CONDITIONS  NOTE: One application must be submitted for each well or w destruction. Multiple borings on one application are acceptable for protechnical and contamination investigations.
GEOTECHNICAL PROJECTS  Number of Borings Maximum  Hole Diameter in. Depth ft.  USTIMATED STARTING DATE  ESTIMATED COMPLETION DATE	APPROVED SOLD DATE
Thereby surce to comply with all requirements of this permit and Alarneda County Ordi	inanus No. 73-68.

FAX NO. 5107821939

P. 05

FROM : FTIC

FAX NO. : 9256024720

Aug. 22 2001 05:36PM P26

JAN-24-01 WED 10:52 AM

ALAMEDA COUNTY PWA RM239

FAX NO. 5107821939

P. 02/03



PLEASE PRINT NAME

## ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 309 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-5554 FAX (510)782-1939

Name  Address 12 12 12 12 12 12 12 12 12 12 12 12 12	DRILLING PERMIT	APPLICATION
PERMIT CONDITIONS Circled Permit Requirements Apply  CLIENT Name		PERMIT NUMBER WO7-725
CLIENT Name Address 700 / 10 / 20 / 10 / 20 / 20 / 20 / 20 /	Dariand, California	WELL MOMBER
APPLICANT Name  ETTC  Apple of		
APPLICANT Name  TIC Name  Address  Address  Address  Address  Average  Aver	CLIENT Very le 11- A T. 15.  Name 100 N Brand Blod Phone (818) 549-7948  City (**Least 16. 4 21) 61130	A. GENERAL  1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
TYPE OF PROJECT  Well Construction  Outlied Protoction  Well Construction  Outlied Protoction  Well Protoction  Monitoring  PROPOSED WATER SUPPLY WELL USE  New Domestic 0  Municipal 0  Industrial 0  Industrial 0  Industrial 0  Replacement Domestic 0  Municipal 0  Industrial wells or 20 feet for municipal and industrial mells of 20 feet for municipal mells in ind	APPLICANT  Name  ETTC  Fox (425) 602-472  Address 2215 / 1100-9 Averhone (425) 602-472  City 064 - 12 - 12 - 12 - 12 - 12 - 12 - 12 - 1	2) Submit to ACPWA within 60 days after completion of aermitied original Department of Water Resources.  Well Completion Report.  3 Fermit is void if project not begun within 90 days of approval data
PROPOSED WATER SUPPLY WELL USE.  New Domestic D Replacement Domestic D Communication Description Descr	TYPE OF PROJECT  Well Construction Geotochnical Investigation Outl, adja Protoction U Shearni Water Supply U Contamination U	1. Minimum surface wast thickness is two inches of actions grown placed by transle.  2. Minimum soal depth is 50 feet for municipal and industrial wells or 20 feet for demestic and inigation walls unless a lesser depth is applicably approval.  C. GROUNDWATER MONITORING WELLS
Mud Rosary D Air Rosary D Augus D groudsand mixture. Upput two three fact replace Cable D Other D or with compacted custings.	New Domestic D Replacement Domestic D Municipal O Irrigation Q	1. Minimum surface seal thickness is two inches of coment grout placed by tremie.  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.  D. GEOTECHNICAL
	Mud Rosary D Air Rosary D Augor D Cable D Other D	grout/sand mixture. Upper two-three fact replaced in or with compacted cuttings.
	DRILLER'S LICENSE NO. C57-710079	Fill hole anode zone with concrete placed by tremi F. WELL DESTRUCTION Send a map of work site. A separate permit is require for wells deeper than 45 feet.
WELL, PROJECTS  Drill Hole Difference William in. Maximum  Casing Diameter Will in. Depth In.  Surface Scal Depth In.  Owner's Well Number In.	Orll Hole Onemeter A. in. Maximum Casing Diameter A. in. Depth A. O.	NOTE: One application must be submitted for each well or we destruction. Multiple burings on one application are acceptable for geologimical and contemination investigations.
GEOTECHNICAL PROJECTS  Number of Forings Maximum  Hole Diameter in Depth R,  ESTIMATED STARTING DATE S/27/3/  PSTIMATED COMPLETION DATE S/27/3/  APPROVED DATE	Nambur of Borings Maximum Holo Diameter in Depth R,	1 mg & -23-c

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FROM : FTIC

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ALAMEDA COUNTY PWA RM239

FAX NO. 5107821939

P. 02/03



## ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION J99 ELMHURST'ST. HAYWARD CA. 94544-1395 PHONE (\$10) 670-5554 FAX (510)782-1939

DRILLING PERMIT APPLICATION	
LOCATION OF PROJECT Nest le Oak is a Free 19 19 10 14 14 5 + 10 10 10 10 10 10 10 10 10 10 10 10 10	PERMIT NUMBER (A) C) 726  WALL NUMBER APN PERMIT CONDITIONS
CLIENT Name  Address 100 A	Citaled Permit Requirements Apply  A. GENERAL  1. A parmit application should be submitted to as to arrive at the ACFWA office five days prior to proposed starting date.
TYPE OF PROJECT  Well Construction	B. WATER SUPPLY WELLS  1. Minimum surface soal thickness is two inches of coment growt placed by tremte.  2. Minimum seal dopth is 50 feet for municipal and industrial wells or 20 test for domestic and intigation wells unless a leaser depth is specially approved.  C. GROUNDWATER MONITORING WELLS  INCLUDING PIEZOMETERS  1. Minimum surface soal thickness is two inches of coment grout placed by tremte.  2. Minimum depth placed by tremte.  2. Minimum depth practicable or 20 feet.
Industrial 0 Other 0  DRILLING METHOD: Mud Rotaty 0 Air Rotaty 0 Augor 0  Cable 0 Other 0  DRILLER'S NAME WOCA WOLD OTHERS DRILLER'S LICENSE NO. C57 - 7100 79	D. GEOTECHNICAL  Blackfill bore hole by treinle with coment grout or ce grouts and mixture. Upper two-three that replaced in or with compacted cuttings.  E. CATHODIC  Fill hole anode zone with concrete places by trend  F. WEIL DESTRUCTION  Send a map of work site. A separate permit is required for wells desper than 45 feet.  C. SPECIAL CONDITIONS
WELL, PROJECTS  Drill Hale Diameter A. A. in. Maximum  Cashing Diameter A. A. in. Depth A. Owner's Wall Number 2.	NOTE: One application must be submitted for each well ur w destruction. Multiple havings on one application are acceptable for geotechnical and contamination inventigations.
GEOTECHNICAL PROJECTS  Number of Borings Maximum  Hate Distinctor in Depth R.  BSYIMATED STARTING DATE  PSTIMATED COMPLETION DATE	APPROVED DATE
Thereby agree to comply with all requirements of this permit and Alameda County Ordin APPLICANT'S SIGNATURE PLEASE PRINT NAME Rev.5-	721/01

FAX NO. : 9256024720

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#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA, 94544-1395

DRILLING PERMIT AP	PLICATION
FOR APPLICANT TO COMPLETE	for optick use
OCATION OF PROJECT No. T le Oallum Ex 1. Ty	PERMIT NUMBER U)07-72.7 WELL NUMBER APN
	PERMIT CONDITIONS Circled Permit Regulterments Apply
duress 800 N. Trans 1714 Phone 1818 544-5948  iny Claud (10) CA 21p 9121	A. GENERAY.  1. A purnit application should be submitted so as to unive at the ACPWA office five days prior to
NOT FOLKED	proposed starting duta.
durous 2 2 7 5 Identical Azerhone (425) 602 - 4720  ly plan in the Line of the Lip 145 13	7. Termit is void if project not begun within 90 days approval date B. WATER SLIPPLY WELLS 1. Minimum surface and thickness in two inches of
YPE OF PROJECT  Well Construction General Invastigation Cuthodic Protection General G  Water Supply G Contamination G	remart grout placed by tranic.  2. Minimum seat depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lessor dopth is specially approved.
Monitoring	C. Groundwater monitoring wells including piezometers
NOPOSED WATER SUPPLY WELL USE  New Domestic D Replacement Domestic 0  Municipal D Irrigation 0  Industrial D Other 0 :	Minimum surface seal thickness is two inches of coment grout placed by tremis.     Minimum seal depth for monitaring wells is the maximum depth practicable of 20 feet.
RILLING METHOD:  Mud Rotary D Air Rotary D Augor D  Cable (I Other D	D. GEOTECHNICAL  Buckfill bore hole by trainic with centent grout or a grout/sand nitation Upper two-three feet replaced or with compacted custings.  E. CATHODIC
RILLER'S NAME WOOD WOLD OF THE PROPERTY OF THE	Filt hole anodo zono with energie placed by tree  NEIL DESTRUCTION
MILTER'S LICENSE NO.	Sond a map of work site. A separate permit is required for wells despertive 45 feet.  G. SPECIAL CONDITIONS
PELI, PROJECTS  Drill Hole Diameter VII in. Maximum Casing Diameter 2 in. Depth 18 11. Surface Stat Depth AR 0. Owner's Well Number 243	NOTE: One application must be submitted for each well or destruction. Multiple borings on one application are acceptal for geolechnical and contamination investigations.
CEOTECHNICAL PROJECTS  Number of Rottings Maximum  Hole Diameter In. Depth ft.	1-12- 8-12
ESTIMATED STARTING DATE 3/27/01 ESTIMATED COMPLETION DATE 3/2/11	APPROVED DATE

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#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 DELCOME (SIM) KOO.SSS4

DRILLING PERMIT	APPLICATION
	was always the word
FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION OF PROJECT NEIT LE CULTURE FOR CONTY	PERMIT NUMBER W07-728 WELL NUMBER APN
	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT	A. GENERAL  1. A permit application should be submitted so as to sarive at the ACPWA office five days prior to proposed starting date.
APPI ICANS  Name ETTC 15 1 mini er vit Let 1 602-4726  Address 2-275 / Angre 3 Avenhora (425) 602-4726  City pla 19 41 6 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2) Submit to ACPWA within 60 days after completion of permitted original Department of Water Resourcess-Well Completion Report.  3. Permit is void if project not begun within 90 days of approval data
TYPE OF PROJECT  Well Construction Ocotechnical Investigation Cathodic Protection D General D  Water Supply D Contamination D  Monitoring D Well Dustruction	1. Minimum surface seal thickness is two inches of compact grout placed by tremic.  2. Minimum seel depth is 50 feet for municipal and industrial wells or 20 feet for demostic and irrigation wells unless a losser depth is appearably approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROFOSED WATER SUPPLY WELL USE  New Domestic     Replacement Domestic	1. Minimum surface seal thickness is two inches of coment grout placed by tremis.  2. Minimum seal depth for manitoring wells is the maximum depth practicable or 20 feet.  D. GROTECHNICAL
DRILLING METICO:  Mud Rotary 0 Air Rotary 0 Auger 0  Cable 0 Other 0	Enckill bore hold by trainle with certain grout or ca groutesaid mixture. Upper two three feet replaced in or with compacted cultings. E. CATHOPIC
DRILLER'S NAME MOCO MOTA OFILL ING  DRILLER'S LICENSENO. C57-710079	Fill hole anode zone with concrete placed by trens F. WEIL DESTRUCTION  Send a map of work site. A suparture permit is required for wells deeper than 45 foot.  G. FERCIAL CONDITIONS
WELY, PROJECTS  Drill Halo Disauctor W. in. Massinum  Cassing Diameter in. Depth 1. A.  Surface Seal Depth 1. R. Owner's Wall Number 24.5	NOTE: One application must be submitted for each well or we destruction. Multiple begings on one application are acceptable for geotechnical and contamination investigations.
GEOTECHNICAL PROJECTS Number of Borings Maximum Holo Diameter in. Depth n.	1 Juny 8-23-01
ESTIMATED STARTING DATE 3/2/2/	APPROVED WILL DATE

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#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PIIONE (\$10) 670-5554 FAX (510)782-1939

DRILLING PERMIT APPLICATION	
For applicant to complete	for office use
OCATION OF PROJECT Nest le Oaklan Fresting	PERMIT NUMBER WOL 72 9 WELL NUMBER APN
	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT VETTE LET TICE Name VETTE LET TICE Address 800 N. Brand Blod. Phone 18180 544-5948 City Colonials CA Zip 41202	A. GENERAL  1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
APPLICANT  Name ETTC En gingering Late  Address 2. 2. 5 / Approve Averlione (925) 602-4710 a  City Off a 10 first 4 Zip 14523	
TYPE OF PROJECT  Well Construction  Cuthodic Protection  Water Supply  Monitoring  Octoor Investigation  Octoor Investigation  Octoor Investigation  Octoor Investigation  Octoor Investigation  Water Supply  Octoor Investigation  Water Supply  Octoor Investigation  Water Supply  Octoor Investigation	Demonstrated by tromis  2. Minimum soat depth is 50 (set for municipal and industrial wells or 20 feet for demontle and inflation wells unless a lesser depth is specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE  New Domestic   3 Replacement Domestic   0  Municipal   1 Irrigation   0  Industrial   0 Other   0	1. Minimum surface soal thickness is two inches of coment grout placed by tremio.  2. Minimum soal depth for manitoring wells is the maximum dopth practicable or 20 feet.  D. GEOTECHNICAL
DRILLING METHOD:  Mud Rotary U Air Rotacy U Augor U Cable U Other U	Backfill bare hole by tremic with coment groun or a grounds and mixture. Upper two-three fact replaced in or with compacted cuttings.  E. CATHODIC
DRILLER'S LICENSE NO C57-710079	Fill hole anode zone with undercite placed by trem F. WELL DESTRUCTION Send a map of work site. A separate permit is required for wells deeper than 45 feet.
WELL, PROJECTS  Drill Holy Diameter 11 in. Caving Diameter 2 in. Syrface Seel Dopth 18.90.  Owner's Well Number 24.7	C. SPECIAL CONDITIONS  NOTE: One application must be submitted for each well or a destruction. Multiple borings on one application are nuceptable for geotechnical and contamination investigations.
GEOTECHNICAL PROJECTS  Number of Boringsin.	1 MRT 8-23-6
ESTIMATED COMPLETION DATE  Thereby agree to comply with all requirements of this permit and Alameda County of	
PLEASE PRINT NAME PLEASE PRINT NAME REPORT AND PRINT NAME REPORT NAM	(cv.5-13-00)

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ALAMEDA COUNTY PWA RM239 FAX NO. 5107821939

P. 02/03



#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 199 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (\$10) 670-5564 FAX (510)782-1939

DRILLING PERMIT APPLICATION	
LOCATION OF PROJECT NEST LE CASSIAN, FINANCE	PERMIT NUMBER WO7-730 WELL NUMBER APN
	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIBNT Name To The Interpretate Thomas (18) 541-7948  Address 700 N Brand Flor Phone (18) 541-7948  City (2 Long 1/2 ) 5 A Zip 7/25  APPLICANT Name FTTC France 14 To Control of 18 19 19 19 19 19 19 19 19 19 19 19 19 19	
TYPE OF PROJECT  Well Construction	1. Minimum surface soal thickness is two inches of noment grout placed by tromic.  2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS  1. Minimum surface scal thickness is two inches of coment grout placed by tremic.  2. Minimum seal depth for manitoring wells is the maximum depth practicable or 20 feet.  D. GEOTECHNICAL
DRILLING METHOD:  Mud Rotary () Air Rotary () Auger ()  Cable () Other ()  DRILLER'S NAME WOOD WOLD OF ()  DRILLER'S LICENSE NO. C57-710079	Backfill bare hole by tremic with centent grout or ce grouts and mixture. Upper two-three fact replaced in or with compacted cuttings.  E. CATHODIC  Fill hole anode zone with concrete placed by from:  WELL DESTRUCTION  Sond a map of work site. A separate permit is requifer wells deeper than 45 feet.  C. SPECIAL CONDITIONS
WELL, PROJECTS  Drill Hole Diameter Will in.  Casing Diameter Will in.  Surface Soul Dupth Will in.  Owner's Well Number 2 18	NOTE: One application must be submitted for each well ar w destruction. Multiple borings on one application are neceptable for geologisal and contamination investigations.
GEOTECHNICAL PROJECTS Number of Borings Maximum Hole Disneter In. Depth R.  ESTIMATED STARTING DATE ESTIMATED COMPLETION DATE	APPROVED MATE DATE
thereby agree to comply with all requirements of this permit and Alameda County Ordi	nance No. 73-68.

Rev.5-13-00

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#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION J99 EX-MHURST ST. HAYWARD CA. 94544-1395 PHONE (\$10) 670-5584 FAX (510)782-1939

DRILLING PERMIT A	APPLICATION
FOR APPLICANT TO COMPLETE  LOCATION OF PROJECT NO. 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (	FOR OFFICE USE  PERMIT NUMBER WELL NUMBER  APN
	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT Name  Name  Name  Address 400 Al (Cana 131 - Phone 418) 549 - 6948  City (Floridation) A 21p 418  APPLICANT  Name  Name  To Compare the state of the state	A. GENERAL  1. A permit application should be submitted so as to surfive at the ACPWA affect five they prove to proposed starting date.  2. Submit to ACPWA within 60 days after completion of parmitted original Department of Water Resources.
APPLICANT Name ETTC Engineer of Tree Color 4726  (6 / 49 / 40 / 40 / 40 / 40 / 40 / 40 / 40	I, Minimum surface seal thickness is two inches of
TYPE OF PROJECT  Well Construction Georgehnical investigation  Cathodic Protection D Construction  Water Supply D Contamination D  Monitoring Well Descruction	coment grown placed by tremic.  2. Minimum seed depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a depth is specially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE  New Demostic     Replacement Demostic	1. Minimum surface scal thickness is two inches of coment grout placed by tremie.  2. Minimum soul depth for monitoring wells is the maximum depth practicable or 20 feet.  D. GEOTECHNICAL
DRILLING METHOD:  Mud Potary II Air Raisty II Ages II  Cable II Other II	Backfill bore hale by trainic with comout grout or can grout/sand mixture. Upper two-lives fact replaced in 1 or with compagned currings.  E. CATHODIC
DRILLER'S LICENSE NO. C57-710079	Fill hole anode zone with concrete placed by tromic  F. WELL DESTINUCTION  Sond a map of work site. A separate permit is require for wells deeper than 45 feet.  G. SPECIAL CONDITIONS
WELL PROJECTS Drill Hole Diameter in. Cusing Diameter in. Surface Seel Depth in n. Owner's Well Number 25/	NOTE: One application must be submitted for each well or we destruction. Multiple borings on one application are accordable for geotechnical and contamination investigations.
CEOTECHNICAL PROJECTS Namber of Rotings	1 8-23-0)
1 hereby agree to comply with all requirements of this permit and Alameda County O	
	v.5-13-00

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FROM : FTIC

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ALAMEDA COUNTY PWA RM239

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#### ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 EXMHURST ST. HAYWARD CA. 94544-1395 PHONE (\$10) 670-5554 FAX (510)782-1939

DRILLING PERMIT AP	PLICATION
CATION OF PROJECT Nest le Oastian Fig. 1999  1310 1414 Freet  OBT Land, California	FOR OWNER USE  PERMIT NUMBER WO1-73  WELL NUMBER APN
	PERMIT CONDITIONS Circled Permit Requirements Apply
LIBNT Very 1/8 (1) Phone (818) 541-7948  diffuses 800 N Grand (1/4) Phone (818) 541-7948  ity (a land 1/6) 54 21p 4/23  April 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	A. GENERAL  1. A parmit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.  2. Submit to ACPWA within 60 days after complution to parmitted original Department of Water Resources.  Well Completion Report.  3. Permit is void if project not begun within 90 days of approval date.  B. WATER SUPPLY WELLS  1. Minimum surface and thickness is two inches of
Ver of Project  Well Construction  Cathodic Protestion  Water Supply  Monitoring  General  General  Contamination  Well Description	nement grant planed by trutile.  2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and infigation wells unless a lesser depth is apacially approved.  C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE  New Domestic D Replacement Domestic D Municipal D Infiguren D Other D	1. Minimum surface soal thickness is two inches of command grout placed by tramic.  2. Minimum soul depth for numbering wells is the maximum depth practicable of 20 feet.  D. GEOTECHNICAL
Mud Rotary D Air Rotary D Augor Cobbe D Other D	Backfill bore hale by tremic with cement great or a grout/sand mixture. Upper two-three feet replaced it or with compacted cuttings.  E. CATHODIC
DRILLER'S LICENSE NO. C57-710079	Fill hole anode cana with concrete placed by trun  F. WEILD ESTRUCTION  Send a map of work site. A separate permit is requested for wells deeper than 45 feet  G. SPECIAL CONDITIONS
WELL, PROJECTS  Drill Hele Diameter WK in. Maximum Casing Diameter WK in. Depth / R. Owner's Wall Number 252	NOTE: One application must be submitted for each well or destruction. Multiple borings on one syplication are acceptal for geotechnical and contamination investigations.
CEOTECHNICAL PROJECTS  Number of Borings	1 mor 8-23-e
ESTIMATED STARTING DATE 8/2/01 ESTIMATED COMPLETION DATE 8/2/01	APPROVED DATE_

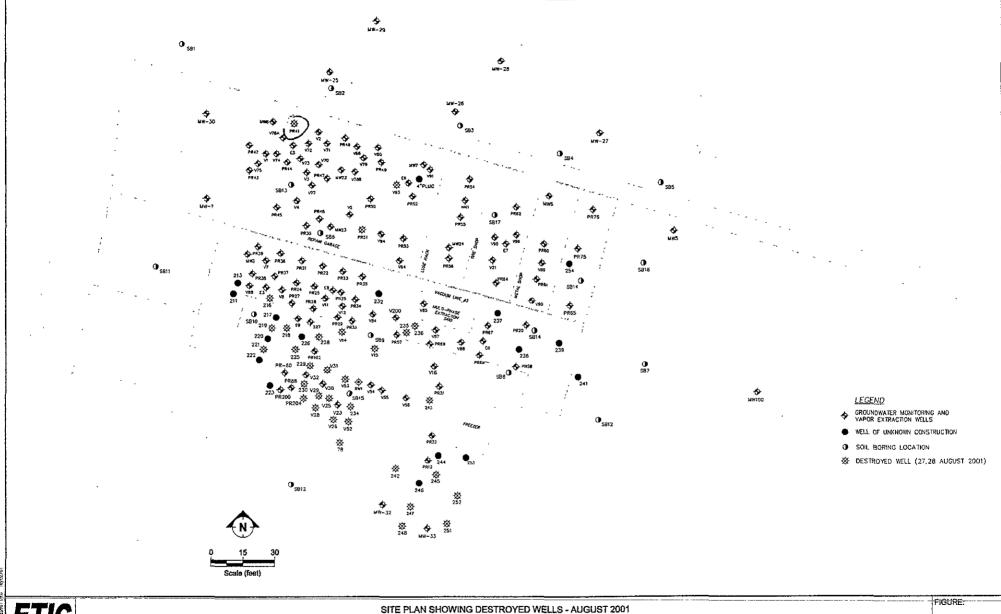
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#### Attachment C

**Department of Water Resources Form 188's** 

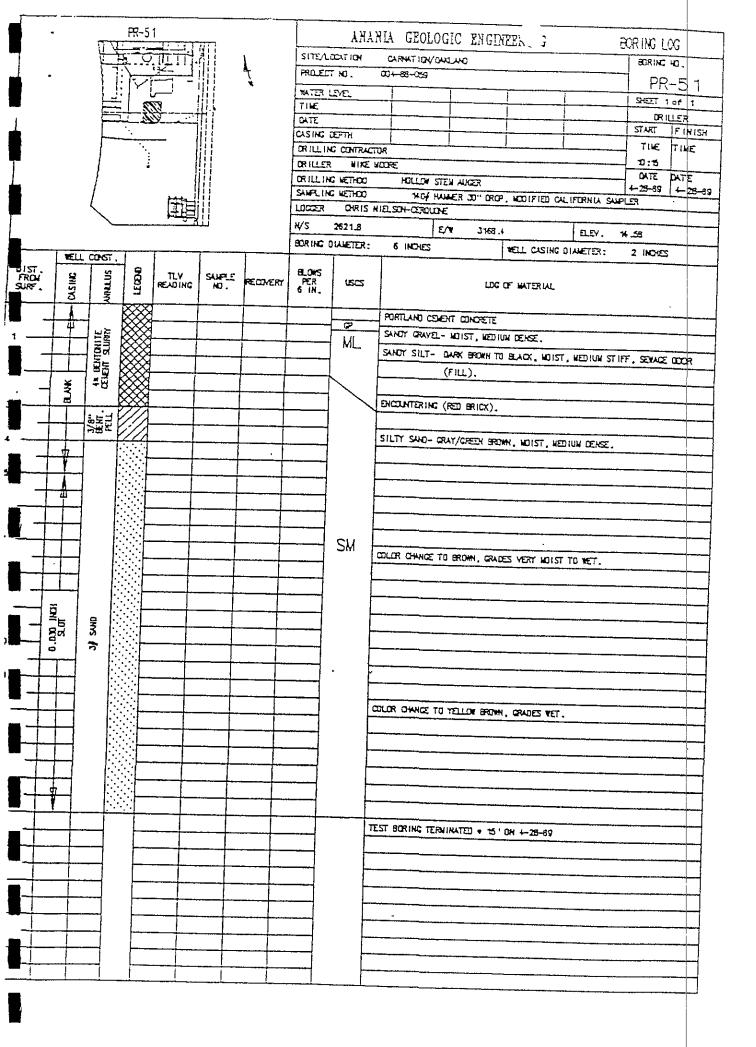
STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

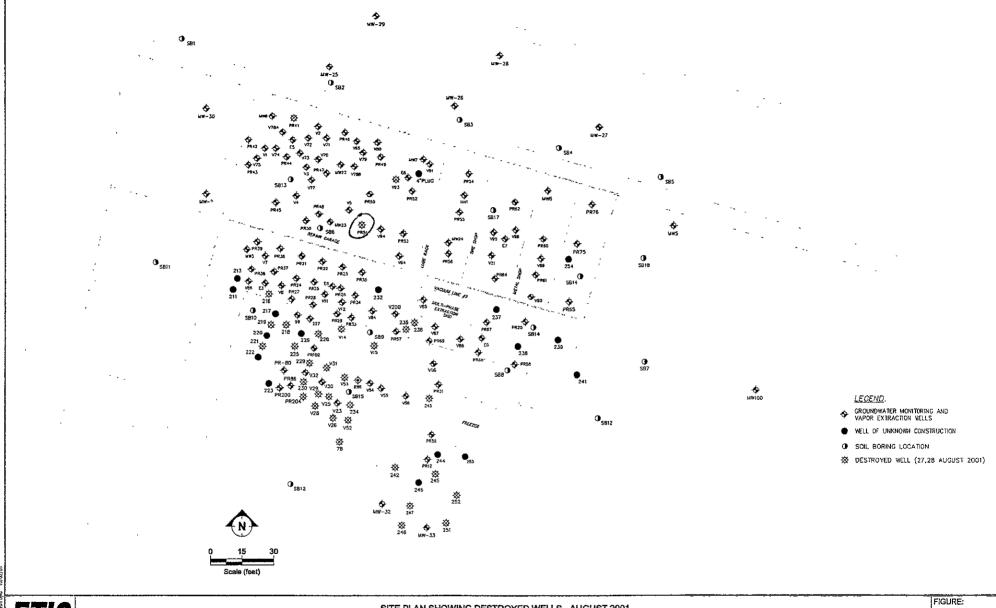
TAYAIT GEOFOGIC EAGINEESIAC LOCATION OF SORING BORING LOG SITE LOCATION CHARTICK/CONT. NO BORDAD NO. PROJECT NO. 004-05-004 FR-41 ATEX LEVEL **≸£**IJ 1 THE <u> 7</u> 1 DATE IR ILLER হামর CASING DEPTH FINISH THE TILE DRILLING CONTRACTOR 12.00 12:00 DR ILLER NOOF MOOFE DRALLING METHOD DATE CATE HOTTOM SLEN WASH SAMPLING METHODS (404 HUMBER 30" DRCP, MODIFIED CALIFORNIA SAMPLER 4-24-49 + 24-82 X/S 2000 1 2669.8 E/8 3140.0 BURING DIMETER: E EY. X.C TEL CASINO DIAMETER: 医人口医皮 民: 其个者。 व्यक्त DATE 8-29-64 DIST. FROM SUFF. LEDENO TLY READ DASS PER IK. SUFEE NO. MECOVERY U Co LOG OF WATERIAL PORTLAND CELEVIT CONCRETE 4ª BENTONITE CELENT SLINKY SWEY PRIVE SANDY SET- BLACK TO DARK BROWN, MOIST, MEDIUM STIFF BITH TRADE SWIEL STATE COOR. ž M\_ SILTY SWO- WITHER PROMOTERY, WIST, WENTER DEREC. GANCEZ ROIZI ID MET. Orre it ET ZEOMED 36 SW COLOR CHANCE TO YELLOW BROWN. 7000 TEST KIRING TERMINATED & 15" ON 4-24-49 MITERIALS 2 MGS OF SANG IN I GULLON BLOXET OF MONIDATE



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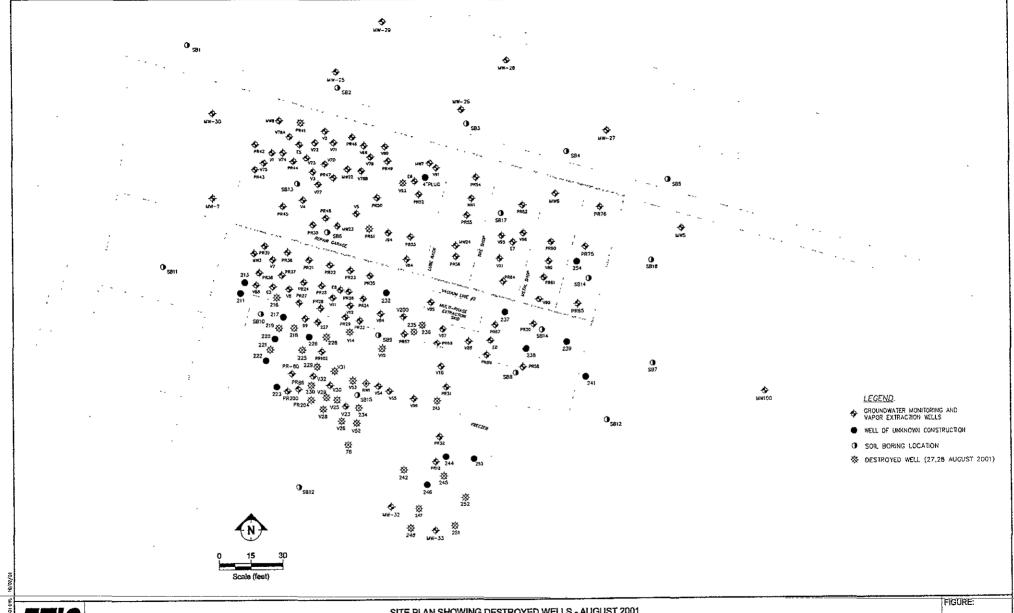
STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)





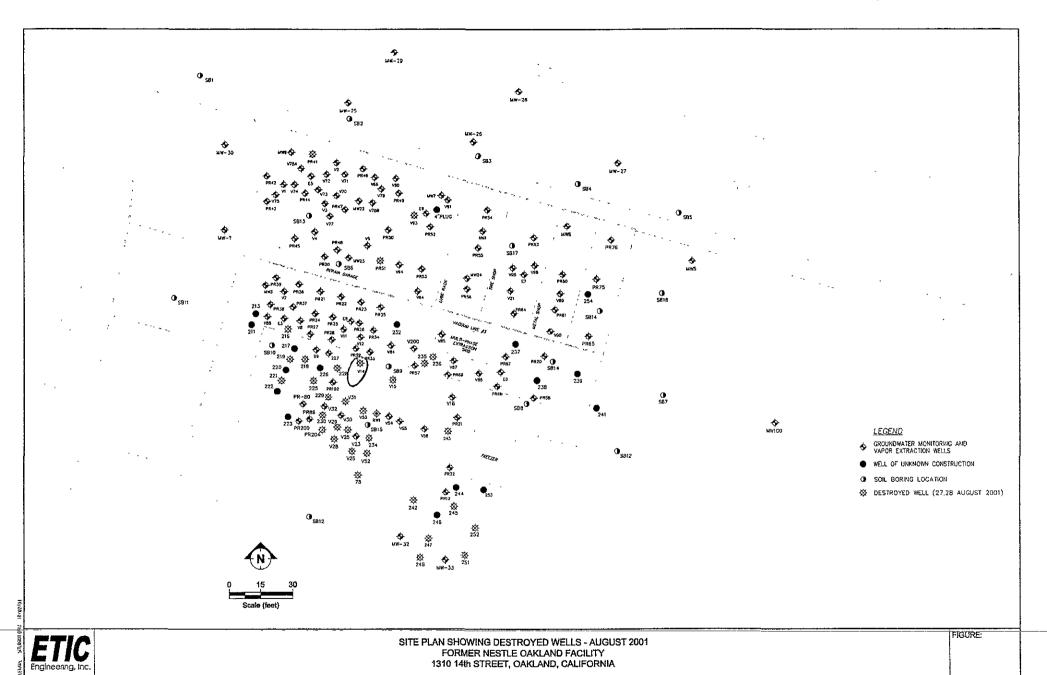
ETIC Engineering, Inc

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

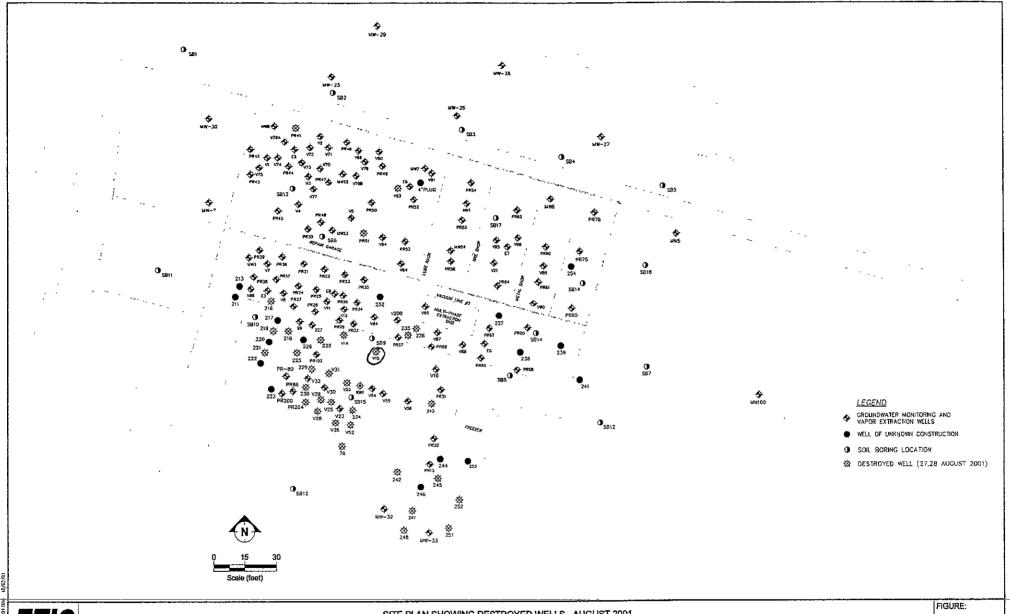


ETIC Engineering, Inc.

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

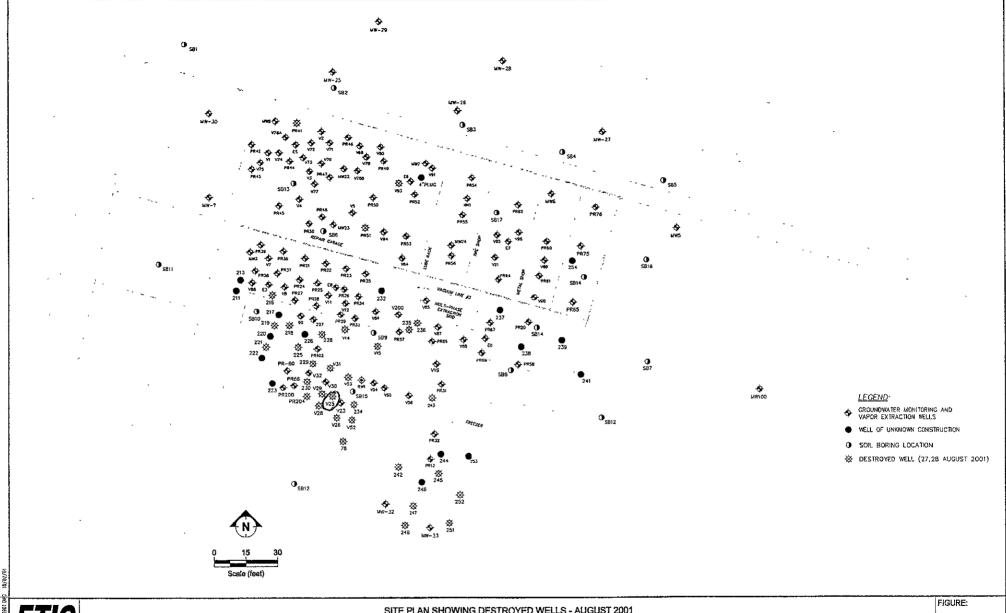


STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)



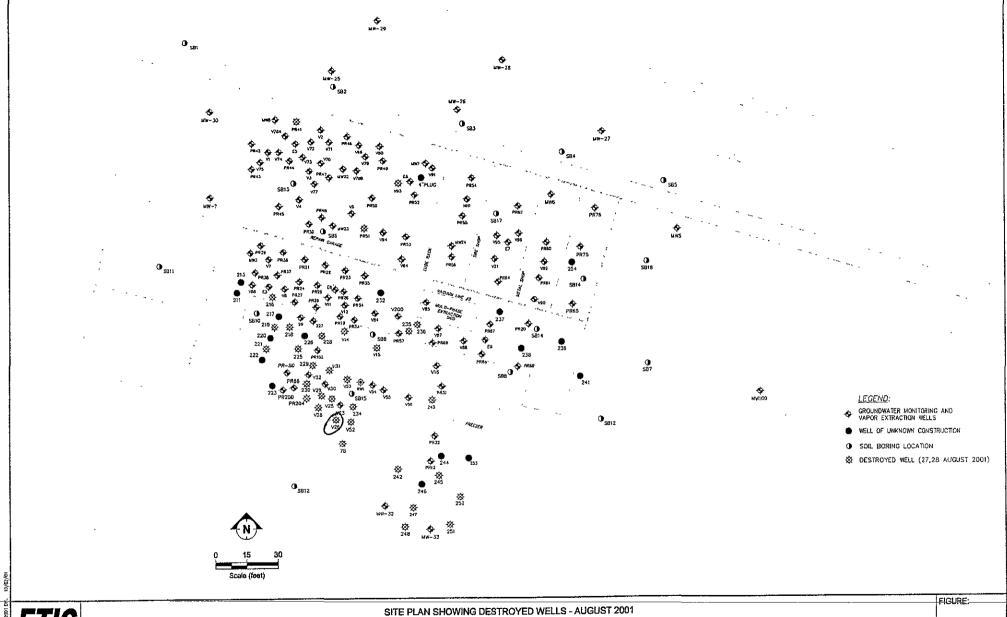
ETIC Engineering, Inc

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)



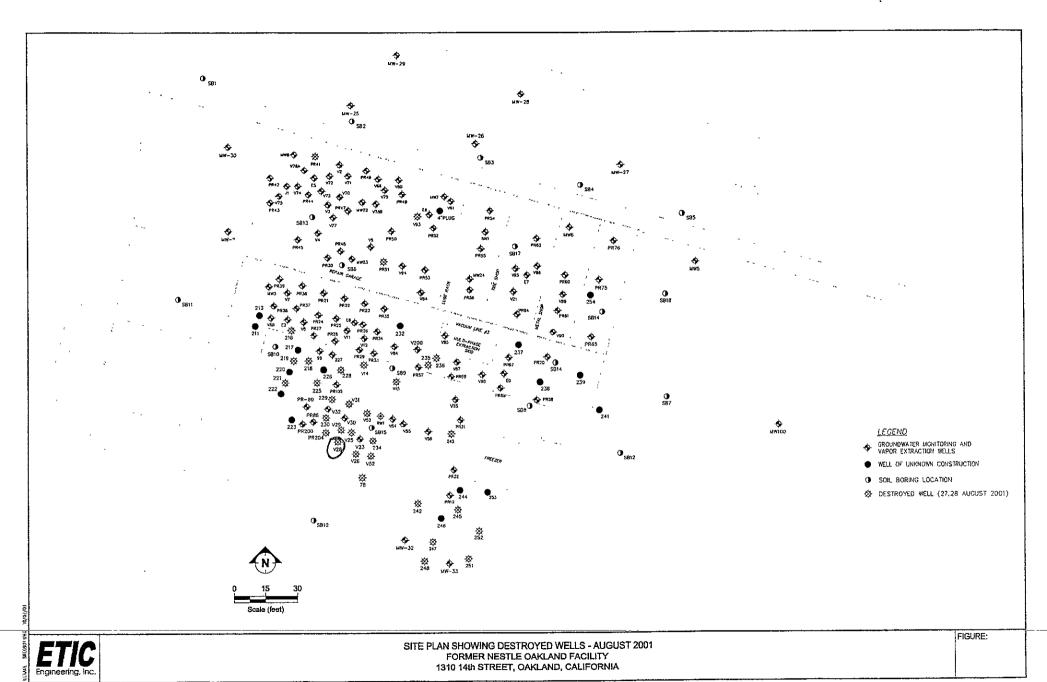
ETIC Engineering, Inc.

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

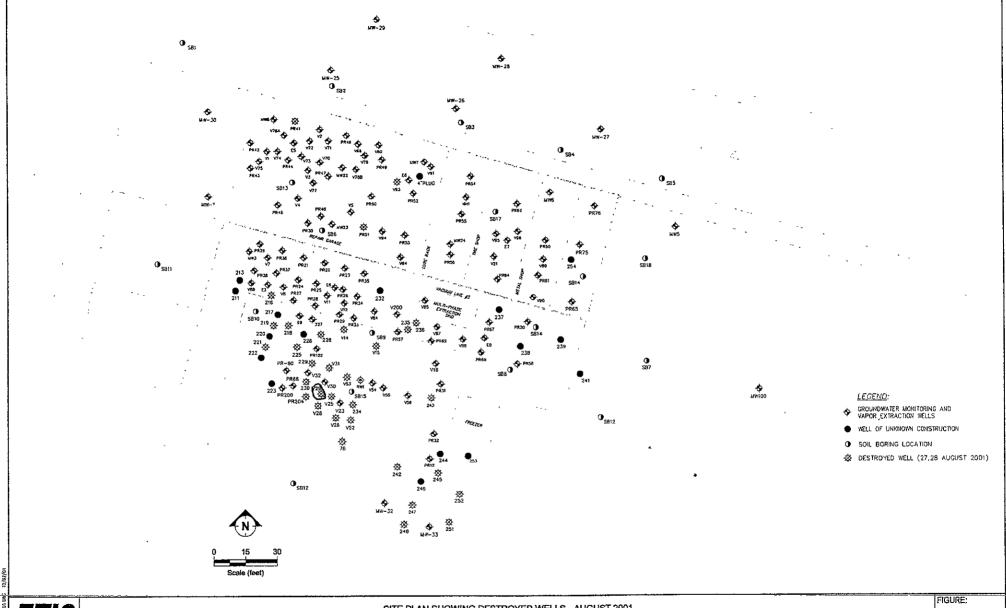


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STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

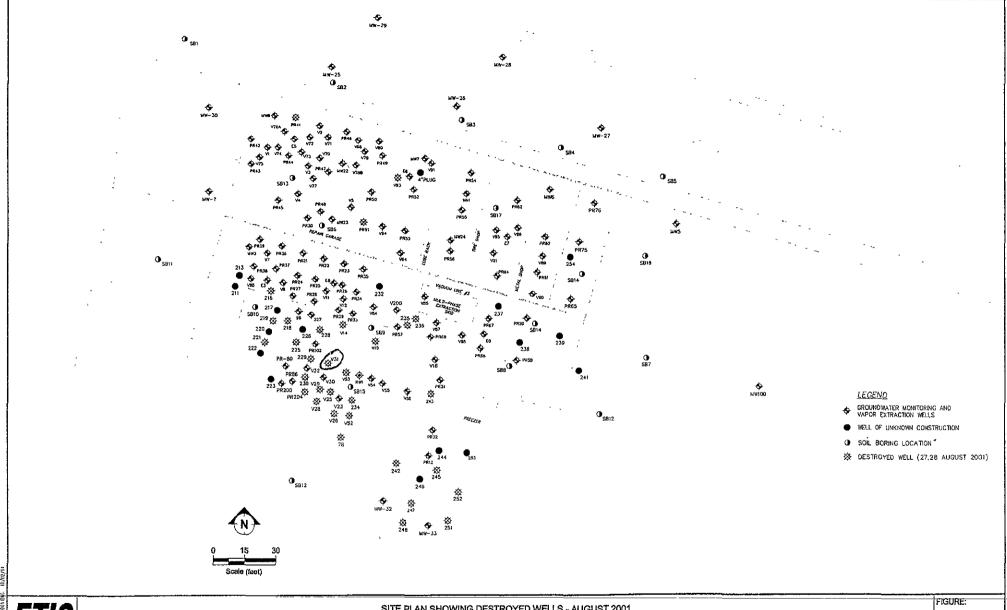


STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)



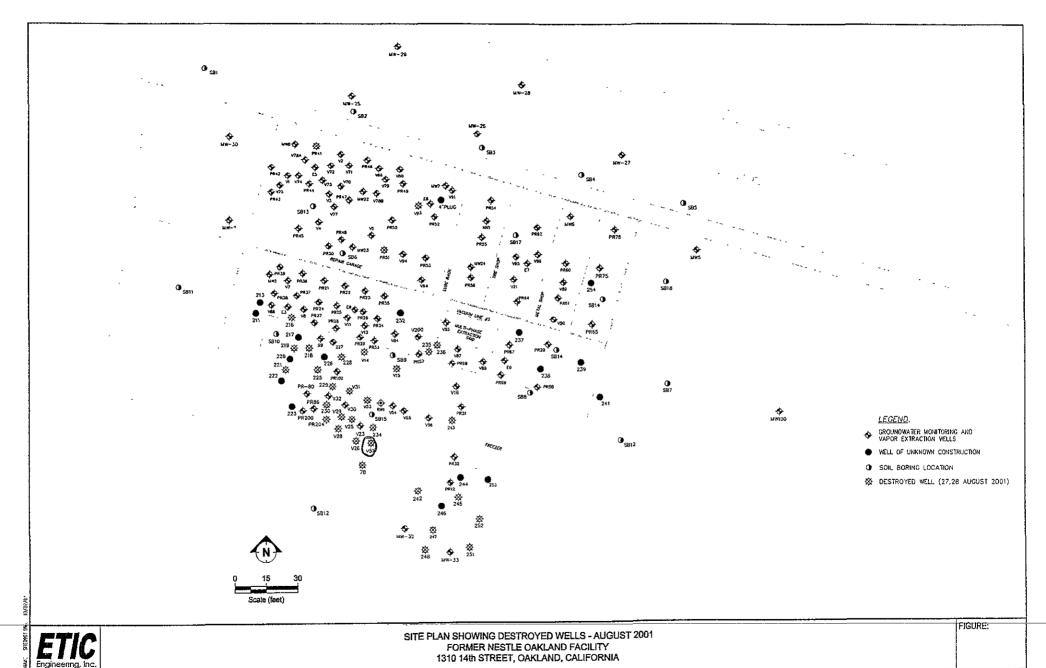
ETIC Engineering, Inc

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

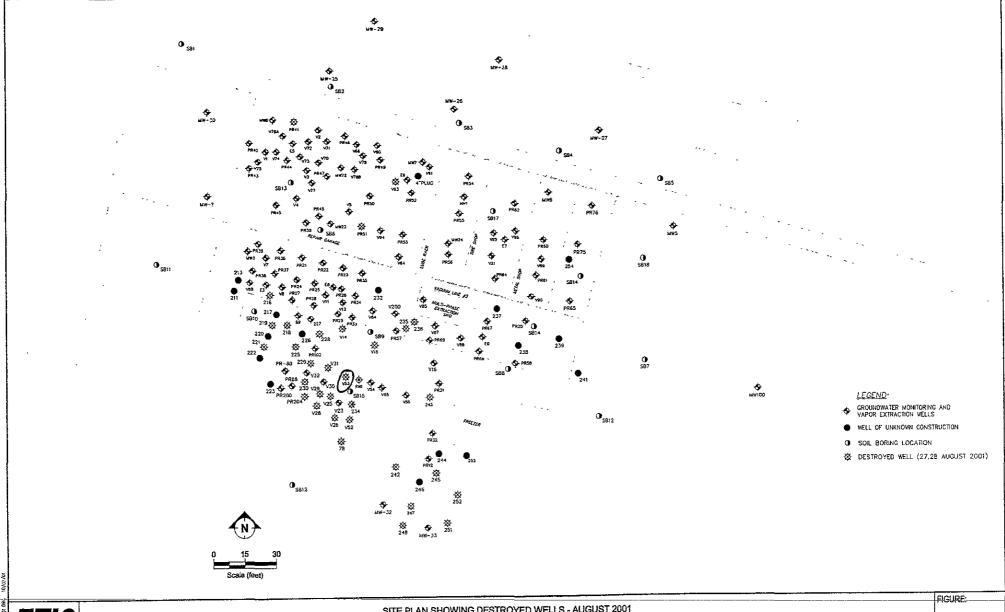


ETIC Engineering, Inc.

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

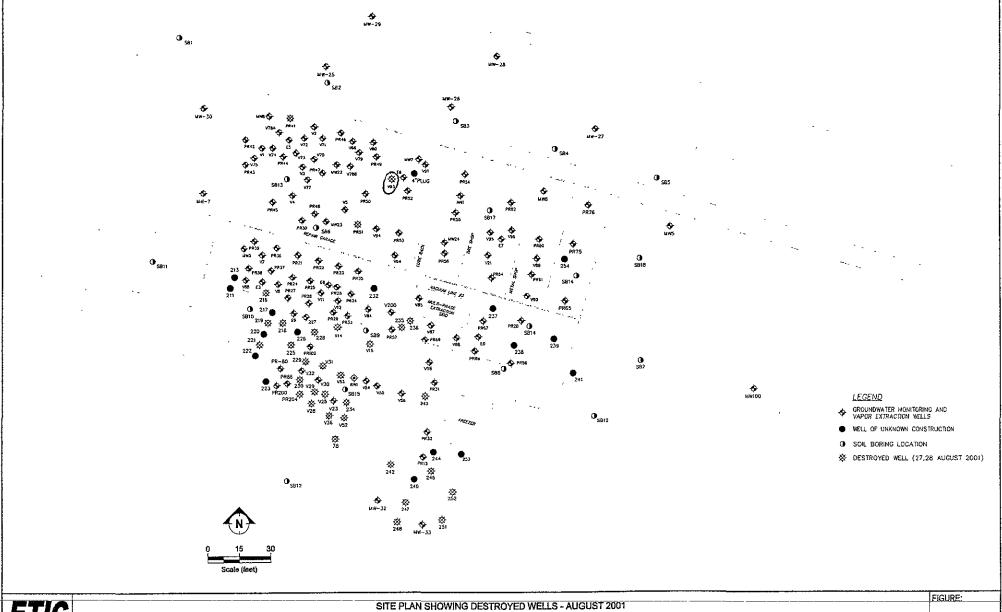


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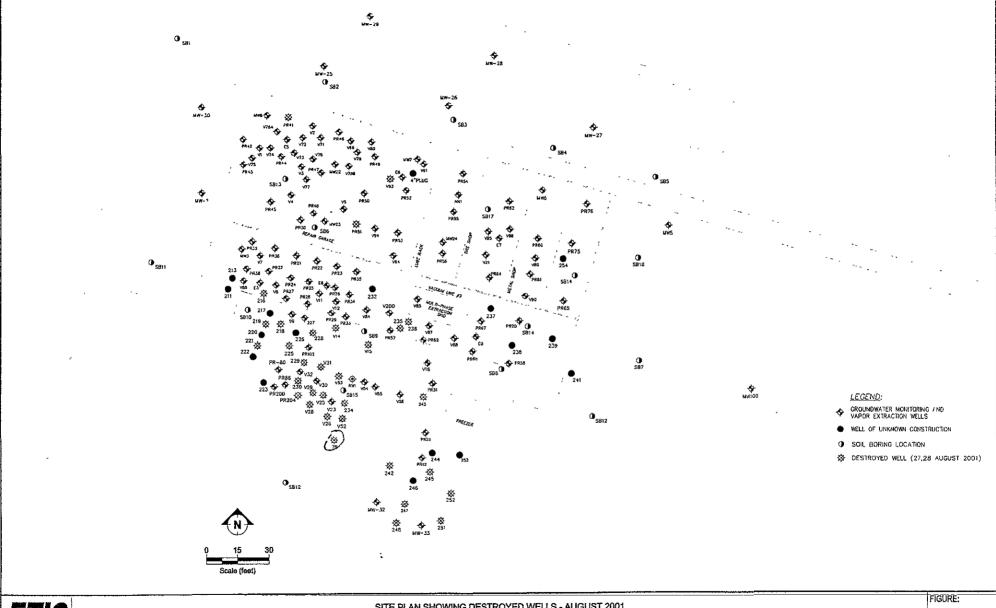
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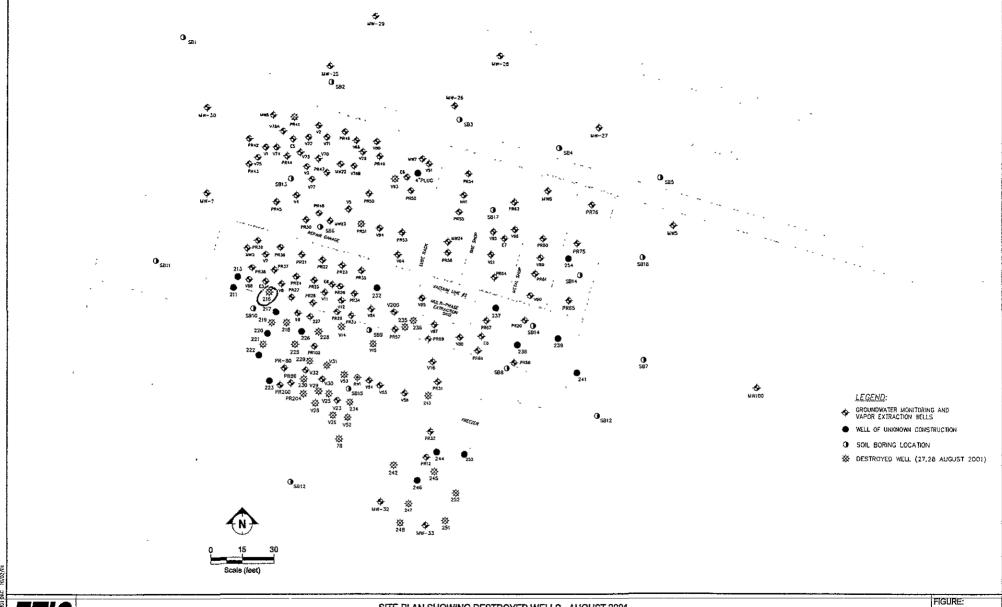
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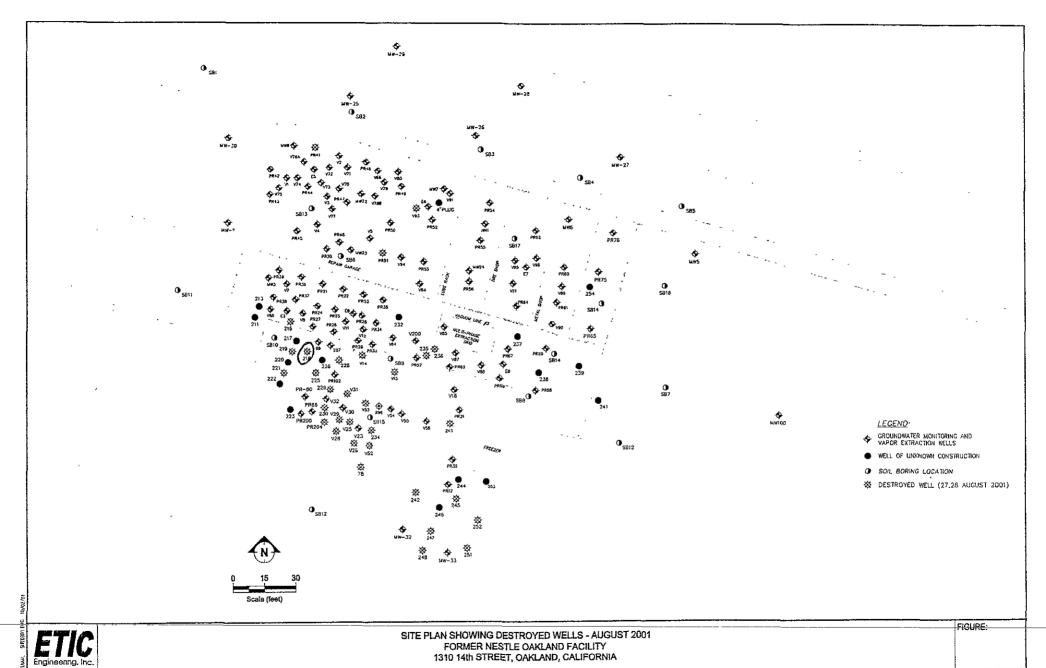
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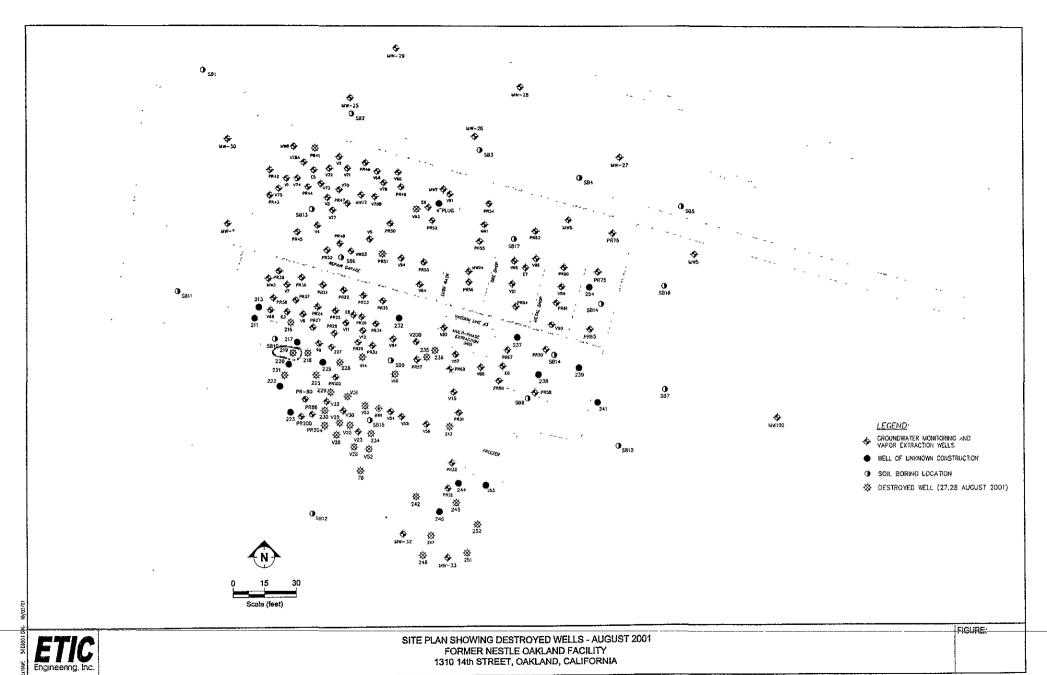


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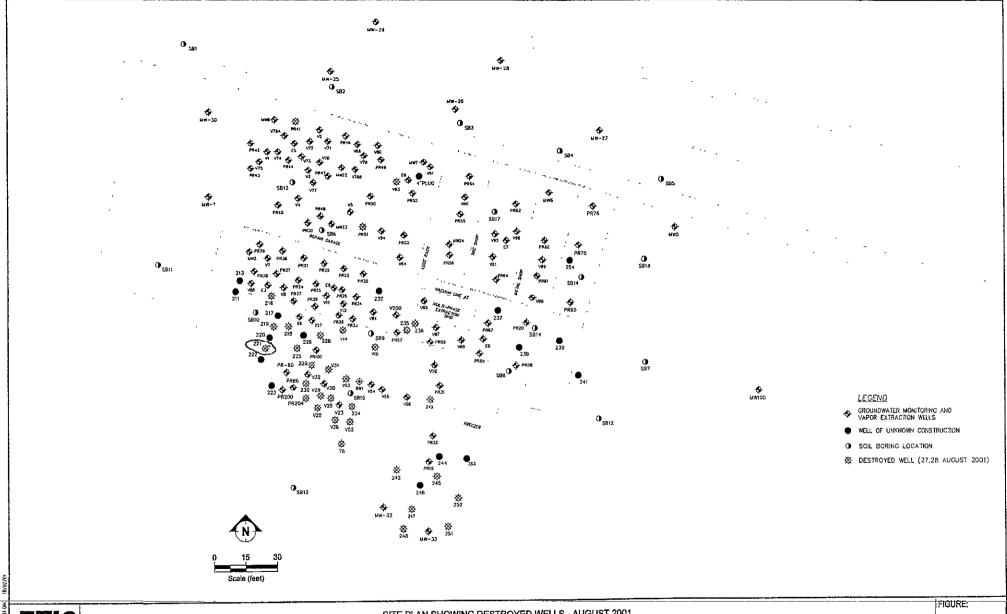
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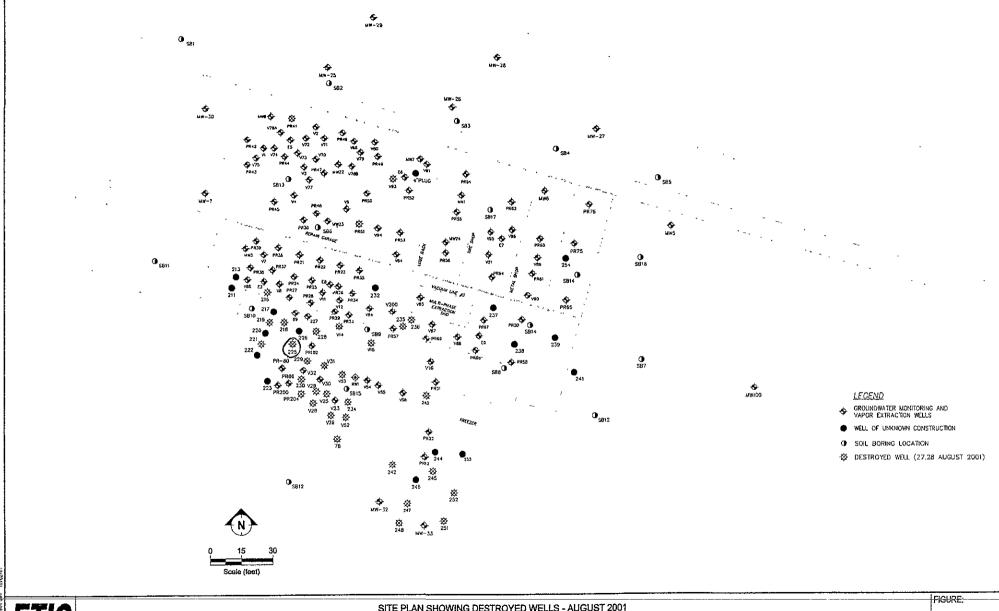


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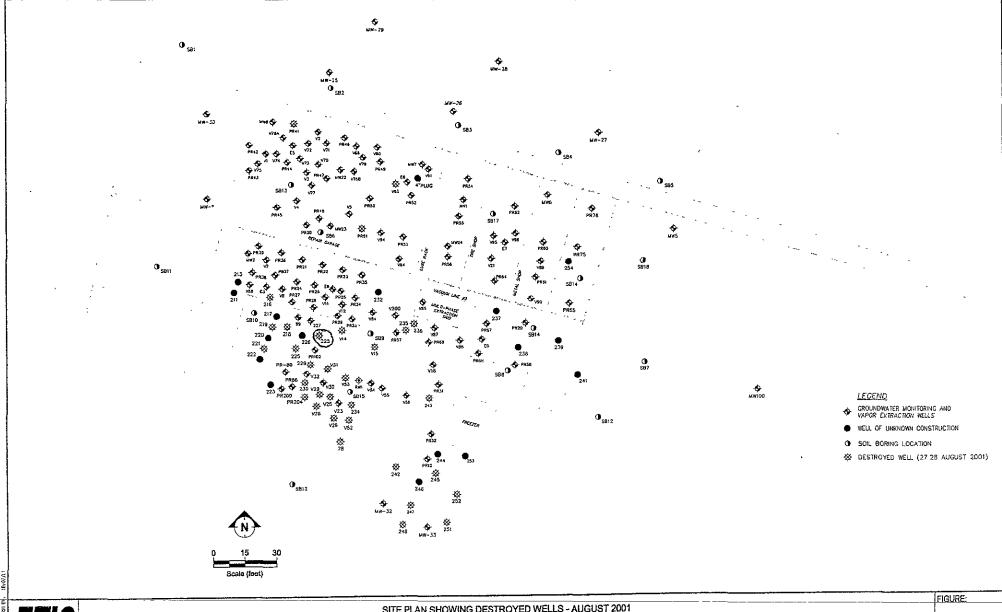
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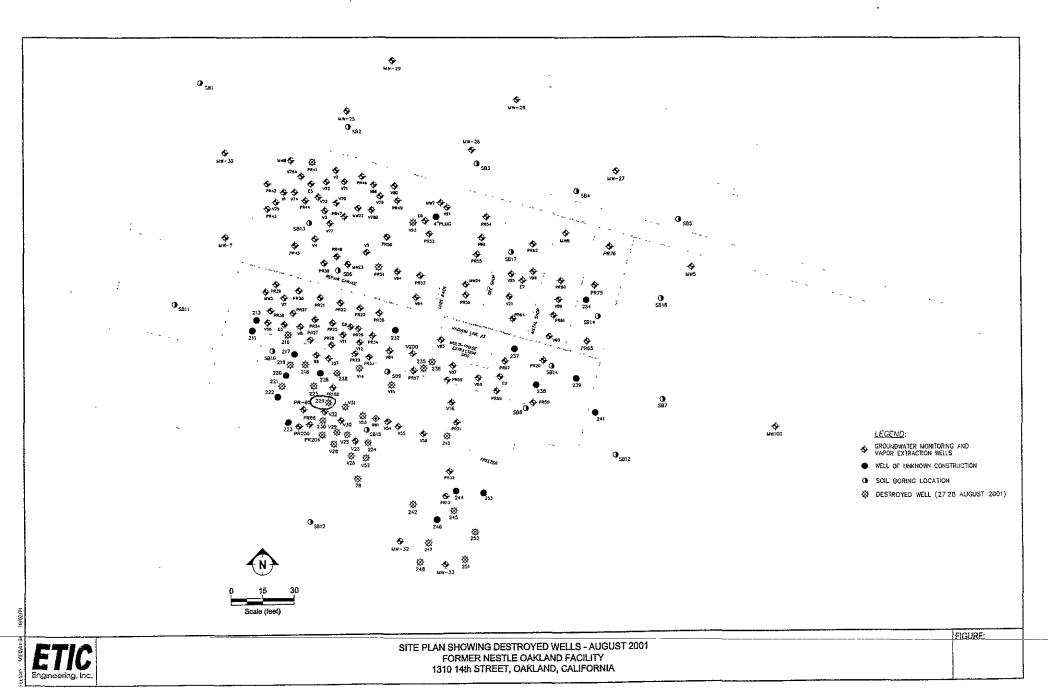
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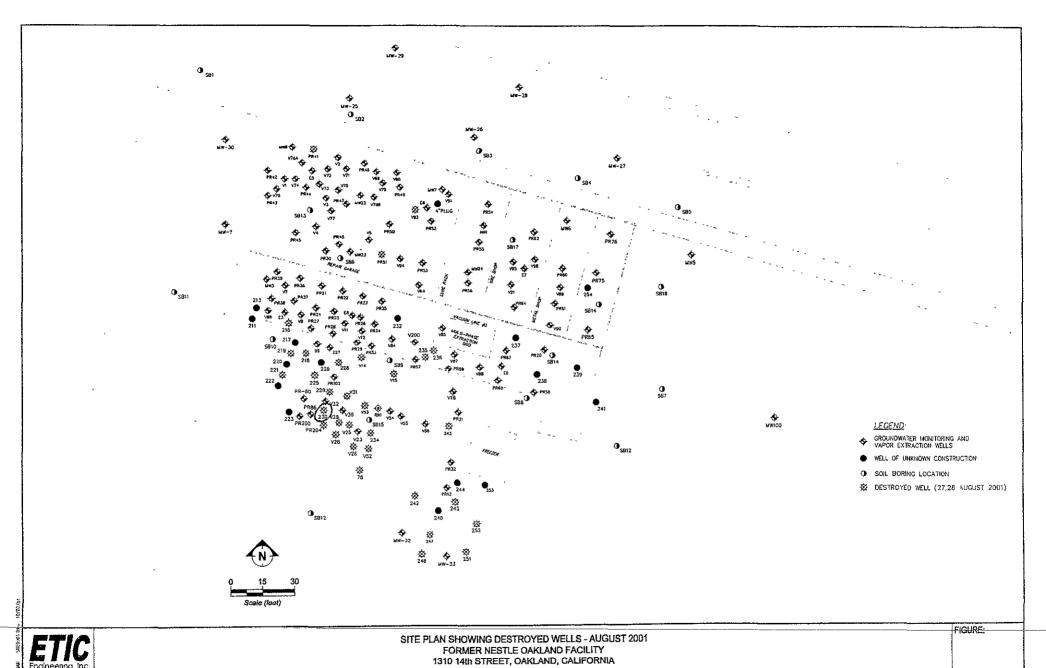


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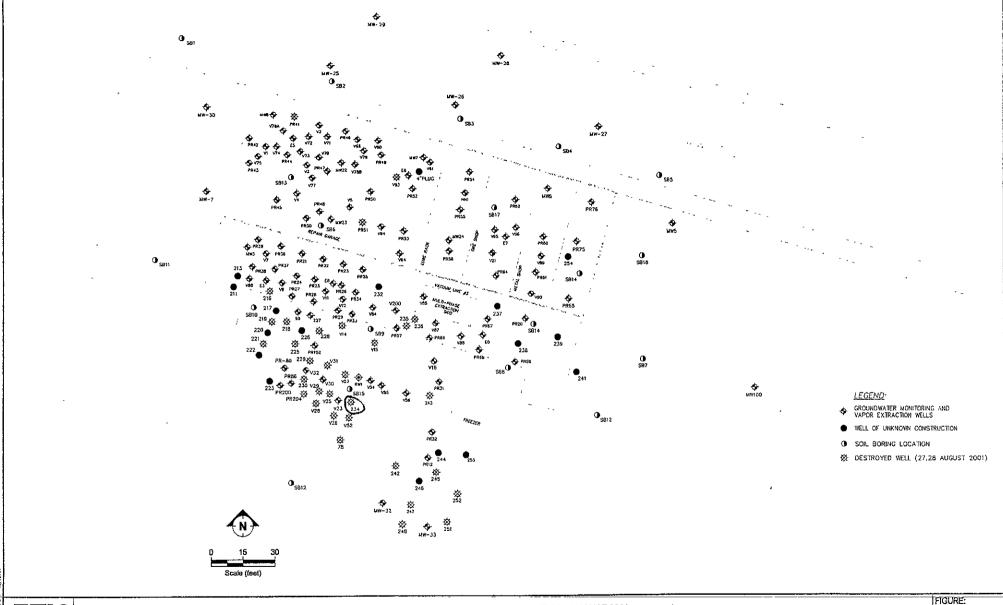
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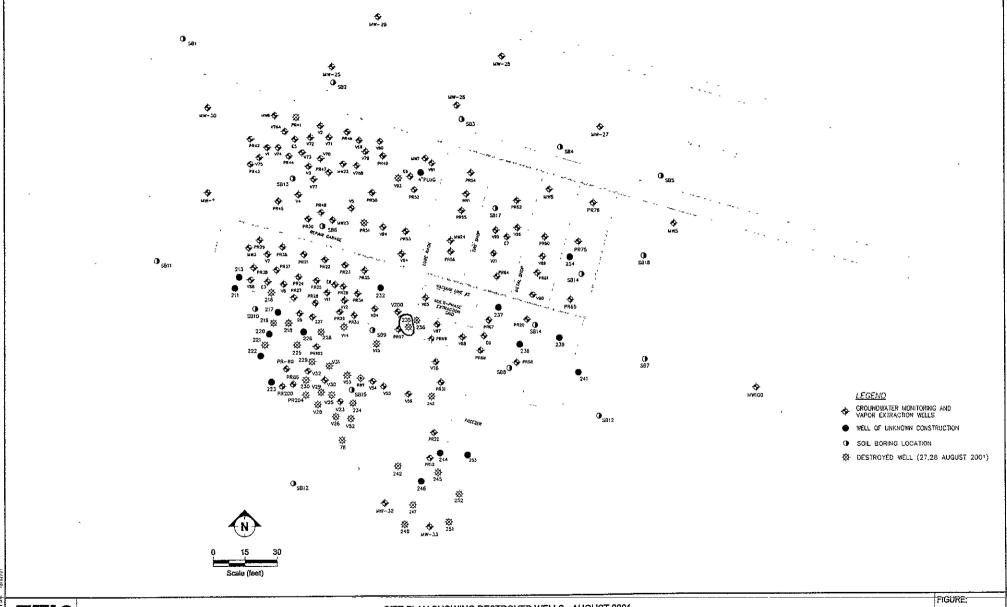


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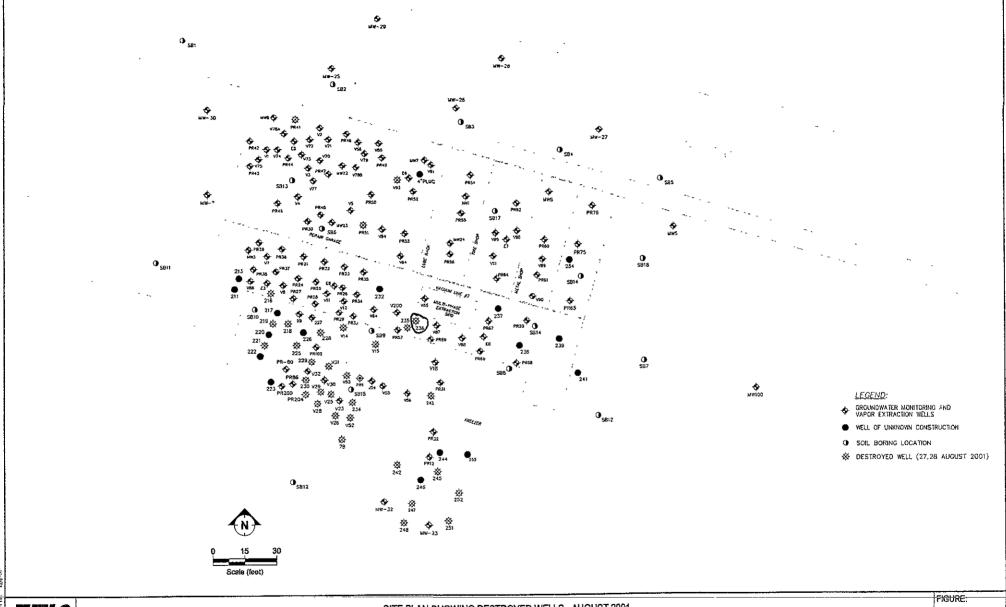
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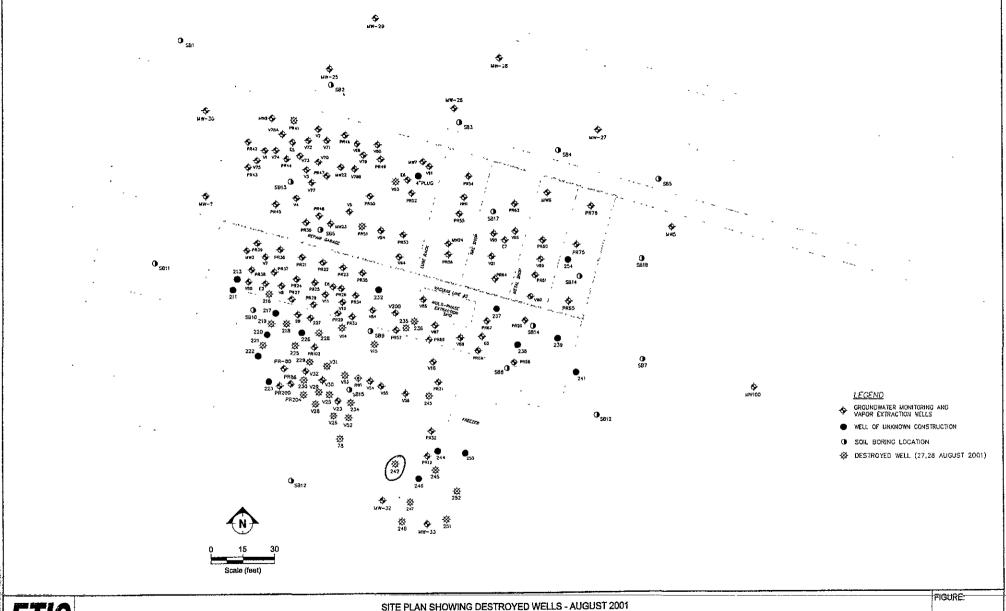
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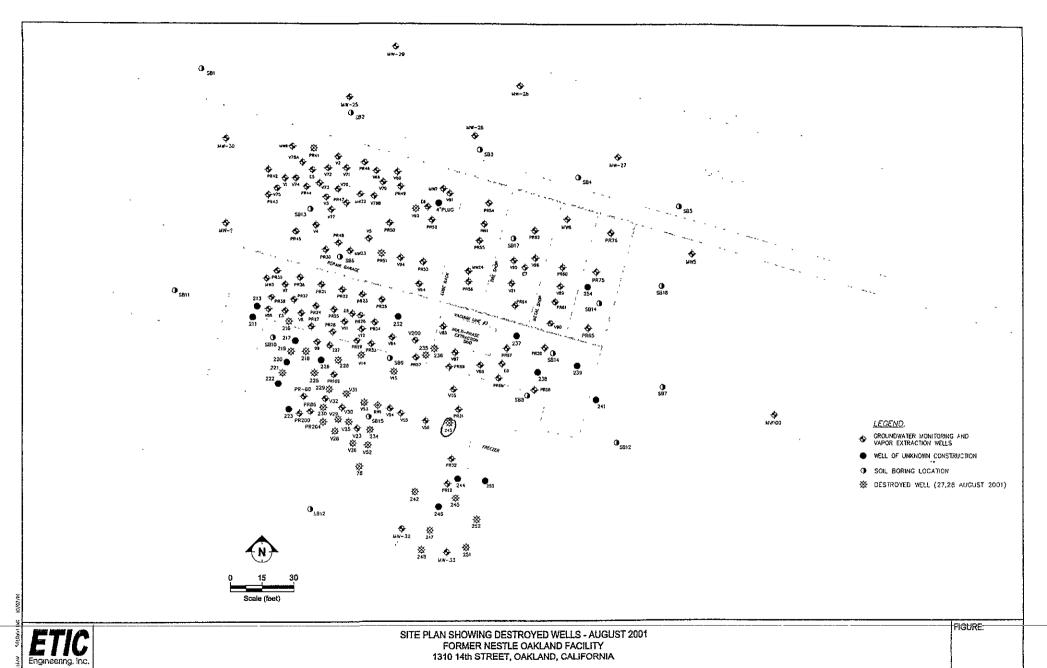
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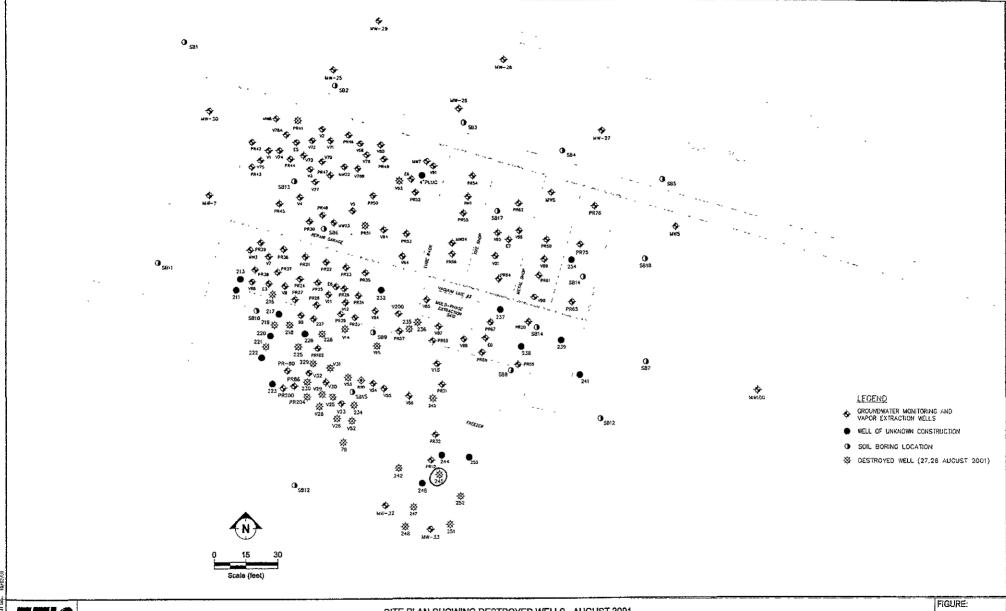


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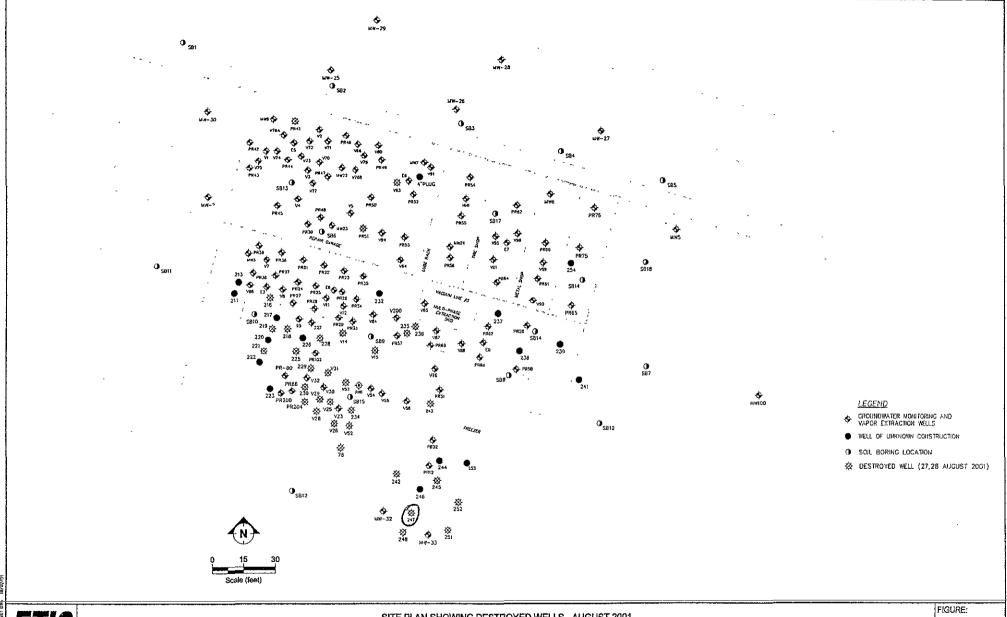


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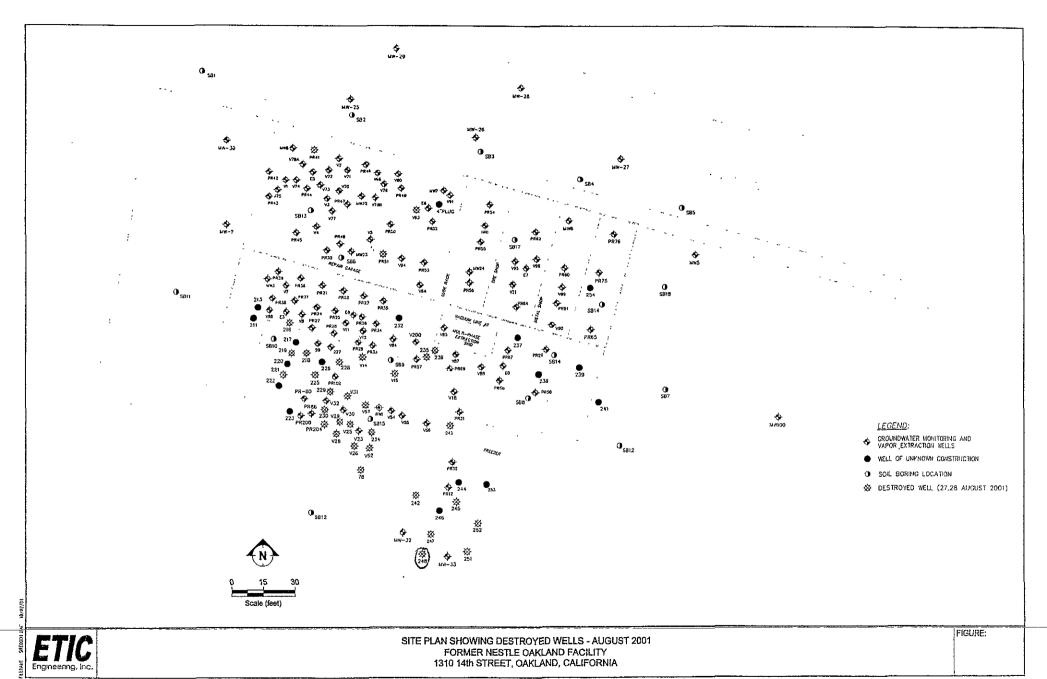
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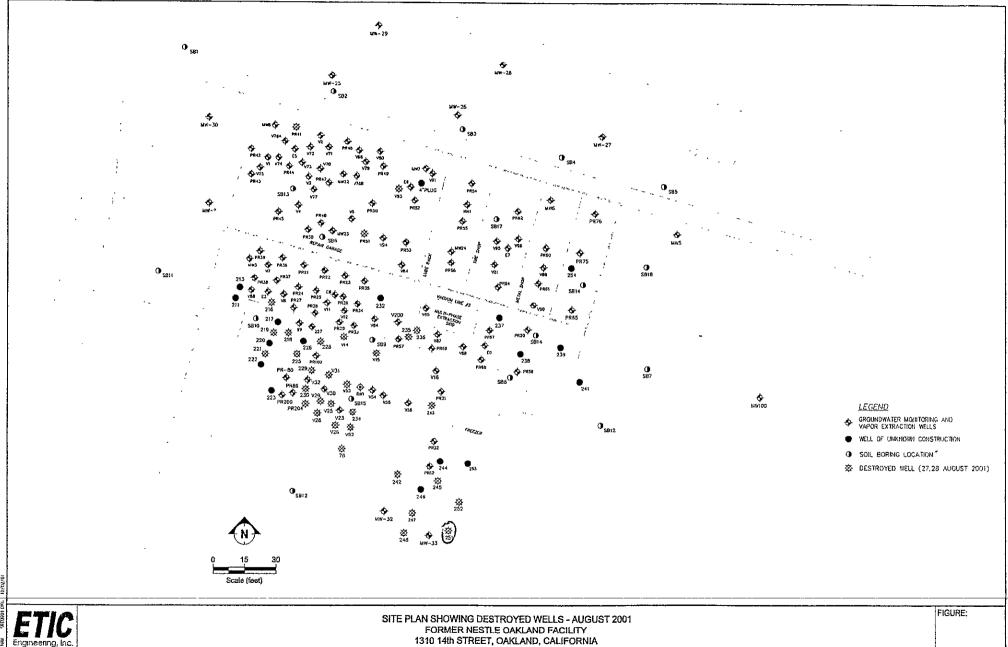


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