

12 October 2001

OCT 18 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 14th 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 well 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

FILENAME: LOCATION.DWG 07/13/01

ETIC
Engineering, Inc.

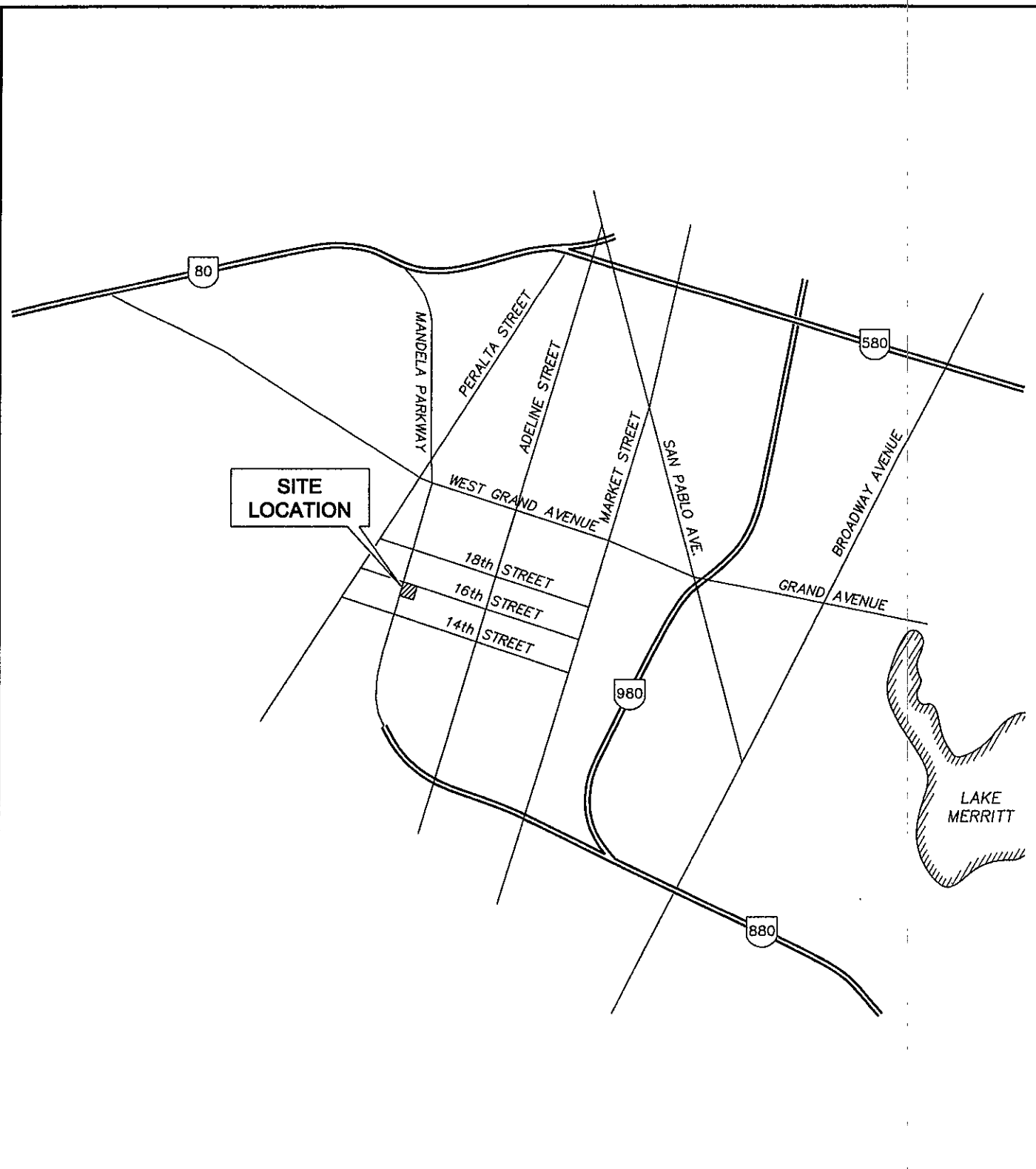
SITE LOCATION MAP
FORMER NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA

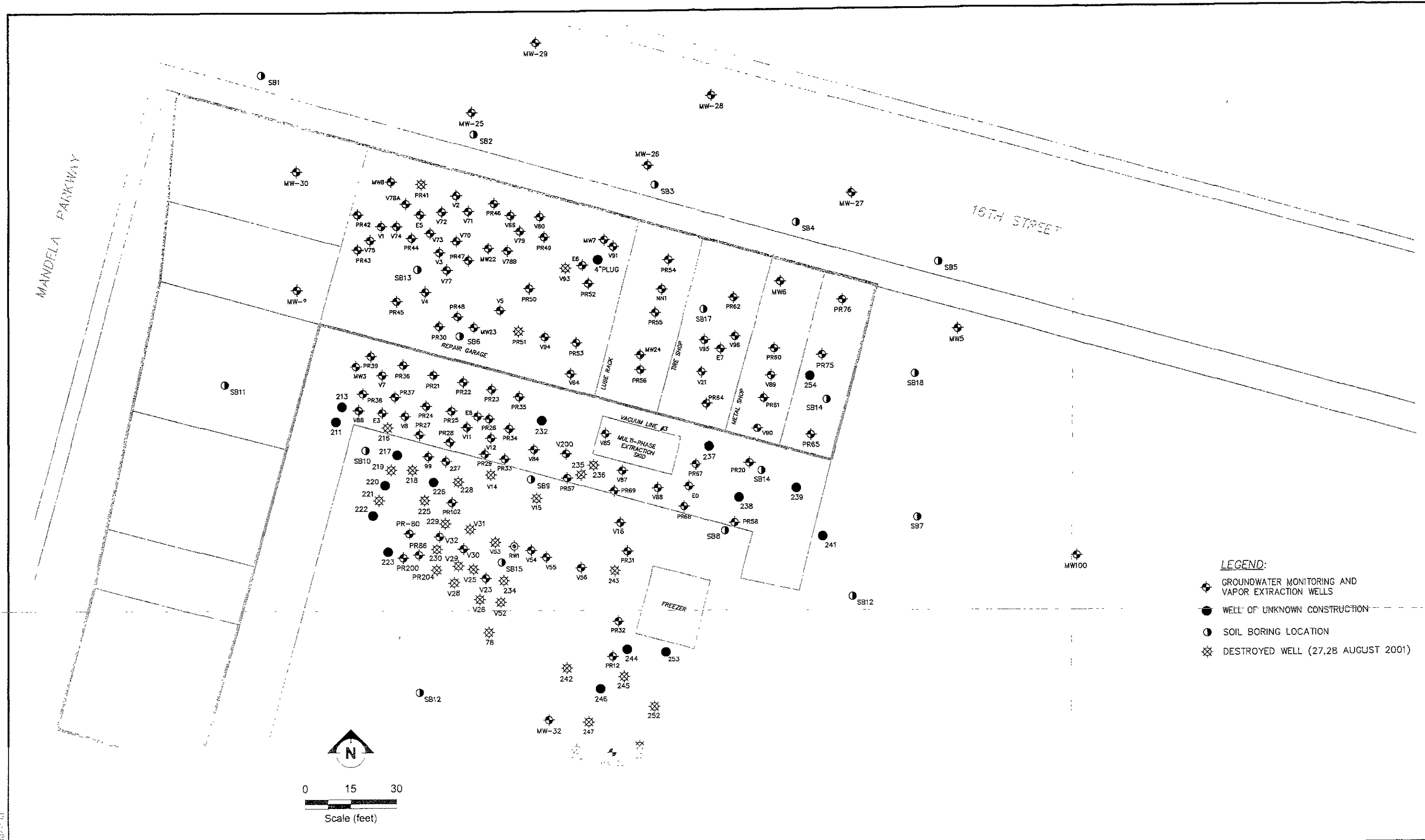
FIGURE:

1

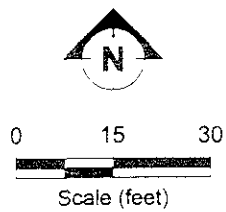


Not To Scale





- LEGEND:**
- ◆ GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
 - WELL OF UNKNOWN CONSTRUCTION
 - SOIL BORING LOCATION
 - ⊗ DESTROYED WELL (27,28 AUGUST 2001)



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

Tables

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

Well Type	Well Name	Casing Diameter (in.)	Total Casing Depth (ft. bgs)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Length of Screened Interval (ft.)	Screen Slot Size (in.)	Filter Pack Type	Seal Type	Seal Top Depth (ft. bgs)	Seal Base Depth (ft. bgs)
Product Recovery Well	PR41	2	15	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR51	2	15	5.0	15.0	10.0	0.030	#3 Sand	Bentonite	3.0	4.0
Product Recovery Well	PR204	2	15 to 17	5 to 7	15 to 17	~10.0	NR	NR	NR	NR	NR
Vapor Well	V14	4	6	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V15	4	5.6	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V25	4	11	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V26	4	11	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V28	4	11	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V29	4	11	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V31	4	11	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V52	4	11	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V53	4	11	NR	NR	NR	NR	NR	NR	NR	NR
Vapor Well	V93	4	7.5	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	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	225	4	11	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	228	4	11	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	229	2	16	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	230	4	11	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	234	4	11	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	235	4	10.5	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	236	6	26	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	242	2	15	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	243*	2	18	10	18	8	NR	NR	NR	NR	NR
"Numbered" Well	245	2	14	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	247*	2	18.9	10.5	18.9	8.4	NR	NR	NR	NR	NR
"Numbered" Well	248	6	25	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	251	2	15	NR	NR	NR	NR	NR	NR	NR	NR
"Numbered" Well	252	2	20	NR	NR	NR	NR	NR	NR	NR	NR

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
HEALTH 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 10 2001

ETIC engineering 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.

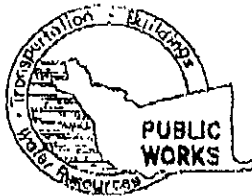
Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C/B. Chan, files
Mr. B. Searcy, ETIC Engineering, 2285 Morello Ave., Pleasant Hill, CA 94523
Mr. C. Headlee and Mr. R. Brewer, SFRWQCB

Well#1310 14th St.

Attachment B
Well Destruction Permits



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 APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Nestle Oakland Facility
1310 14th Street
Oakland, California

CLIENT Name Nestle USA Inc.
Address 200 N. Grand Blvd. Phone (415) 544-5948
City Oakland, CA Zip 94607

APPLICANT Name ETIC Engineering Inc.
Ryan Campbell Fax (925) 602-4720
Address 2255 Lincoln Ave Phone (925) 602-4720 ext-19
City Oakland, CA Zip 94623

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

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

DRILLING METHOD:

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

DRILLER'S NAME Woodward Drilling

DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>4</u> in.	Depth	<u>15</u> ft.
Surface Seal Depth	<u>4</u> ft.	Owner's Well Number	<u>PR41</u>

GEO/TECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/22/01
ESTIMATED COMPLETION DATE 9/22/01

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

APPLICANT'S SIGNATURE Ryan Campbell DATE 8/21/01

PLEASE PRINT NAME Ryan Campbell Rcv.5-13-00

FOR OFFICE USE

PERMIT NUMBER W01-701
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

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.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in 1' or with compacted cuttings.

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

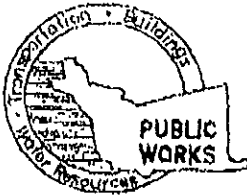
G. SPECIAL CONDITIONS

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

APPROVED

DATE

8-23-01



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 APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oakland Facility
1319 14th Street
Oakland, California

PERMIT NUMBER W01-702
WELL NUMBER _____
APN _____

PERMIT CONDITIONS
Circled Permit Requirements Apply

CLIENT Nestle USA Inc.
Name Nestle USA Inc.
Address 800 N. Brand Blvd. Phone (415) 549-5948
City Glendale, CA Zip 91201

(A) GENERAL

1. A permit application should be submitted to us 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.

APPLICANT ETIC Engineering Inc.
Name ETIC Engineering Inc.
Address 2285 Mariposa Ave Phone (925) 602-4720
City Pleasanton, CA Zip 94523

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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 FLEXOMETERS

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement/sand mixture. Upper two-three feet replaced in 1 or with compacted cuttings.

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

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

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

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

DRILLING METHOD:

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

DRILLER'S NAME Woodward Drilling

DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>3</u> in.	Depth	<u>15</u> ft.
Surface Seal Depth	<u>4</u> ft.	Owner's Well Number	<u>PR51</u>

GEOTECHNICAL PROJECTS

Number of Borings		Maximum	
Hole Diameter	in.	Depth	ft.

ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/22/01

APPROVED

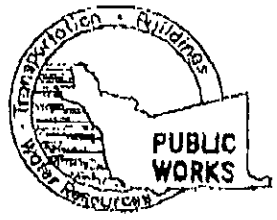
DATE

8-23-01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-61.

APPLICANT'S SIGNATURE [Signature] DATE 8/21/01

PLEASE PRINT NAME Bryan Campbell



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554
FAX (510) 742-1939

DRIILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Nestle Oakview Farm City
1310 14th Street
Oakland, California

CLIENT Name Nestle U.S.A. Inc.
Address 800 N. Broad Blvd. Phone (415) 544-5948
City Glendale, CA Zip 91205

APPLICANT Name ETIC Engineering Inc.
Address 151 Jan Way Blvd. Phone (925) 602-4720
City Redwood City Zip 94063

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

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

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Woodward Drilling
DRILLER'S LICENSE NO. C57 710079

WELL PROJECTS
Drill Hole Diameter NR in. Maximum Depth ~17 ft.
Casing Diameter 2 1/4 in. Owner's Well Number PR204
Surface Seal Depth 4 ft.

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

ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 9/12/01

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

APPLICANT'S SIGNATURE [Signature] DATE 8/21/01

PLEASE PRINT NAME Bryan [Signature] Rev.5-13-00

FOR OFFICE USE

PERMIT NUMBER W01-703
WELL NUMBER _____
APN _____

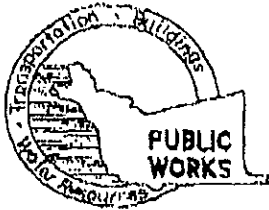
PERMIT CONDITIONS

Circled Permit Requirements Apply

- 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.
 3. Permit is void if project not begun within 90 days of approval date.
- B. WATER SUPPLY WELLS**
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 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 seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- D. GEOTECHNICAL**
Backfill bore hole by tremie with cement grout or cen grout/sand mixture. Upper two-three feet replaced in 1 or with compacted cuttings.
- E. CATHODIC**
Fill hole anode zone with concrete placed by tremie
- F. WELL DESTRUCTION**
Send a map of work site. A separate permit is required for wells deeper than 45 feet.
- G. SPECIAL CONDITIONS**

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

APPROVED [Signature] DATE 8-23-01



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 APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT West R. Oakland Facility
1310 14th Street
Oakland, California

PERMIT NUMBER W01-704
WELL NUMBER _____
APN _____

CLIENT
Name North USA Inc.
Address 500 N. Grand Blvd. Phone (415) 549-5948
City Oakland, CA Zip 94612

- PERMIT CONDITIONS**
Circled Permit Requirements Apply
- (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.
 3. Permit is void if project not begun within 90 days of approval date.

APPLICANT
Name ETIC Engineering Inc.
15750 Loma Blvd. Fax (925) 602-4720
Address 2285 Lomas Ave Phone (925) 602-4710 ext. 14
City Oakland, CA Zip 94623

- B. WATER SUPPLY WELLS
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 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 seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- D. GEOTECHNICAL

Backfill bare hole by tremie with cement grout or cement/sand mixture. Upper two-three feet replaced in 1' or with compacted castings.
- E. CATHODIC

Fill hole anode zone with concrete placed by tremie
- (F) WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.
- (G) SPECIAL CONDITIONS

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

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

DRILLING METHOD:

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

DRILLER'S NAME Woodward Drilling
DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>V14</u>

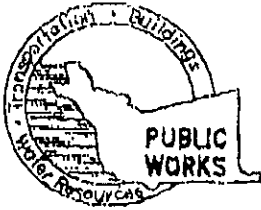
GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 9/27/01

APPROVED [Signature] DATE 8-28-01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
APPLICANT'S SIGNATURE [Signature] DATE 8/27/01
PLEASE PRINT NAME Ryan [unclear]



ALAMEDA COUNTY PUBLIC WORKS AGENCY

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oakland Facility
1312 14th Street
Oakland, California

PERMIT NUMBER W01-705
 WELL NUMBER _____
 APN _____

PERMIT CONDITIONS
 Circled Permit Requirements Apply

CLIENT Nestle USA Inc.
 Name _____
 Address 800 N. Wood Blvd. Phone (415) 549-5948
 City Oakland, CA Zip 94607

- 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.
 3. Permit is void if project not begun within 90 days of approval date.

APPLICANT ETIC Engineering Inc.
 Name _____
 Address 2245 Adeline Ave Phone (925) 602-4710 ex-14
 City Oakland, CA Zip 94612

- B. WATER SUPPLY WELLS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 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.

TYPE OF PROJECT

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

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WATER SUPPLY WELL USE

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

- D. GEOTECHNICAL**
 Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in 1' or with compacted cuttings.

DRILLING METHOD:

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

- E. CATHODIC**
 Fill hole annular zone with concrete placed by tremie

DRILLER'S NAME Woodward Drilling
 DRILLER'S LICENSE NO. C57-710079

- F. WELL DESTRUCTION**
 Send a map of work site. A separate permit is required for wells deeper than 45 feet.

WELL PROJECTS

Drill Hole Diameter	<u>N/A</u> in.	Maximum	
Casing Diameter	<u>N/A</u> in.	Depth	<u>N/A</u> ft.
Surface Seal Depth	<u>N/A</u> ft.	Owner's Well Number	<u>V15</u>

- G. SPECIAL CONDITIONS**

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

GEOTECHNICAL PROJECTS

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

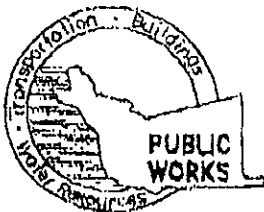
ESTIMATED STARTING DATE 8/27/01
 ESTIMATED COMPLETION DATE 8/28/01

APPROVED [Signature] DATE 8-23-01

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

APPLICANT'S SIGNATURE [Signature] DATE 8/21/01

PLEASE PRINT NAME Bryan [unclear] Rcv.5-13-00



ALAMEDA COUNTY PUBLIC WORKS AGENCY

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oakland Facility
1310 14th Street
Oakland, California

PERMIT NUMBER W01-706
WELL NUMBER _____
APN _____

CLIENT
Name Nestle USA Inc.
Address 800 N. Brand Blvd. Phone (925) 544-5948
City Oakland, CA Zip 94605

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT
Name ETEC Engineering Inc.
Ryan Campbell Fax (925) 602-4720
Address 2225 Macarona Ave Phone (925) 602-4710 ext 19
City Oakland, CA Zip 94623

- 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.
 3. Permit is void if project not begun within 90 days of approval date.

TYPE OF PROJECT

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

- B. WATER SUPPLY WELLS
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

PROPOSED WATER SUPPLY WELL USE

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

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

DRILLING METHOD:

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

- D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in or with compacted cuttings.

DRILLER'S NAME Woodward Drilling
DRILLER'S LICENSE NO. C57-710079

- E. CATHODIC

Fill hole anode zone with concrete placed by tremie

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum Depth	<u>NR</u> ft.
Casing Diameter	<u>NR</u> in.	Owner's Well Number	<u>V25</u>
Surface Seal Depth	<u>NR</u> ft.		

- F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.
- G. SPECIAL CONDITIONS

GEO TECHNICAL PROJECTS

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

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

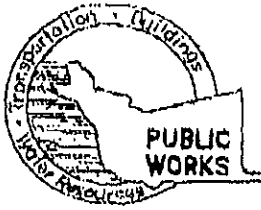
ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/28/01

APPROVED _____ DATE 8/23/01

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

APPLICANT'S SIGNATURE _____ DATE 8/21/01

PLEASE PRINT NAME Ryan Campbell Rev.5-13-00



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
 399 E. MHURST ST. HAYWARD CA. 94544-1395
 PHONE (510) 670-8554
 FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oasian Facility
1310 14th Street
Daly City, California

PERMIT NUMBER W01-707
 WELL NUMBER _____
 APN _____

CLIENT Nestle USA Inc.
 Name _____
 Address 800 N. Brand Blvd Phone (415) 544-7948
 City Daly City, CA Zip 94015

PERMIT CONDITIONS
 Circled Permit Requirements Apply

APPLICANT ETIC Engineering Inc.
 Name _____
 Address 800 N. Brand Blvd Phone (415) 544-7948
 City Daly City, CA Zip 94015

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.
3. Permit is void if project not begun within 90 days of approval date.

TYPE OF PROJECT

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

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

PROPOSED WATER SUPPLY WELL USE

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

DRILLING METHOD:

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in k or with compacted cuttings.

DRILLER'S NAME Woodward Drilling

DRILLER'S LICENSE NO. C57-710079

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>V26</u>

F. WELL DESTRUCTION

Send a map of work site. A separate permit is require for wells deeper than 45 feet.

GEOTECHNICAL PROJECTS

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

G. SPECIAL CONDITIONS

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

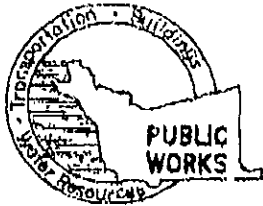
ESTIMATED STARTING DATE 8/27/01
 ESTIMATED COMPLETION DATE 8/27/01

APPROVED [Signature] DATE 8-23-01

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

APPLICANT'S SIGNATURE [Signature] DATE 8/27/01

PLEASE PRINT NAME Bryan Campbell Rev. 5-13-00



ALAMEDA COUNTY PUBLIC WORKS AGENCY

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Neagle Oak Grove Fire Station
1310 14th Street
Oakland, California

PERMIT NUMBER W01-708
 WELL NUMBER _____
 APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT Neagle USA Inc.
 Name _____
 Address 800 N. Union Blvd. Phone (925) 544-5948
 City Oakland, CA Zip 94607

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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT ETIC Engineering Inc.
 Name _____
 Address 2315 Lathrop Ave. Phone (925) 602-4710 ext. 14
 City Piedmont, CA Zip 94523

B. WATER SUPPLY WELLS

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in 1 or with compacted cuttings.

E. CATHODIC

Fill hole made zone with concrete placed by tremie

F. WELL DESTRUCTION

Send a map of work site. A separate permit is require for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

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

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

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

DRILLING METHOD:

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

DRILLER'S NAME Woodward Drilling

DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>V28</u>

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/27/01
 ESTIMATED COMPLETION DATE 8/27/01

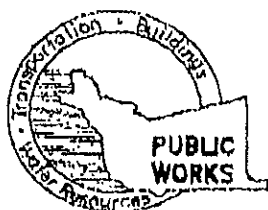
APPROVED _____

DATE 8/23/01

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

APPLICANT'S SIGNATURE Bryan Campbell DATE 8/21/01

PLEASE PRINT NAME Bryan Campbell Rcv.5-13-00



ALAMEDA COUNTY PUBLIC WORKS AGENCY

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oakland Facility
1310 14th Street
Oakland, California

PERMIT NUMBER W01-709
WELL NUMBER _____
APN _____

CLIENT
Name Nestle USA Inc.
Address 800 N. Walnut St Phone (214) 549-5948
City Oakland, CA Zip 94607

APPLICANT
Name ETIC Engineering Inc.
Address 2285 Adaranda Dr Phone (925) 602-4710 ext 14
City Oakland, CA Zip 94623

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

PROPOSED WATER SUPPLY WELL USE
New Domestic Replacement Domestic
Municipal Irrigation
Industrial Other _____

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Woodward Drilling
DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS
Drill Hole Diameter NR in. Maximum _____
Casing Diameter NR in. Depth NR ft.
Surface Seal Depth NR ft. Owner's Well Number V29

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

ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/22/01

APPROVED _____ DATE _____

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

APPLICANT'S SIGNATURE _____ DATE 8/21/01

PLEASE PRINT NAME Bryan Impoco Rev. 5-13-00

- PERMIT CONDITIONS
Circled Permit Requirements Apply
- 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.
 3. Permit is void if project not begun within 90 days of approval date.
 - B. WATER SUPPLY WELLS
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 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 seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
 - D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in or with compacted cuttings.
 - E. CATHODIC

Fill hole anode zone with concrete placed by tremie.
 - F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.
 - G. SPECIAL CONDITIONS
- NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

[Handwritten signatures and initials]

FROM : FTIC

FAX NO. : 9256024720

Aug. 22 2001 05:27PM

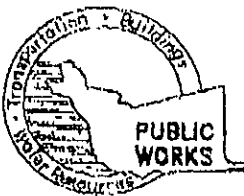
P11

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) 670-3554
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Outhouse Facility
1310 14th Street
Hayward, California

PERMIT NUMBER W01-710
WELL NUMBER _____
APN _____

PERMIT CONDITIONS
Circled Permit Requirements Apply

CLIENT Nestle USA Inc.
Name _____
Address 800 N. Walnut Blvd. Phone (415) 549-5948
City Glendale, CA Zip 91205

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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT ETIC Engineering Inc.
Name _____
Address 2225 Madison Avenue Phone (925) 602-4720
City Piedmont, CA Zip 94523

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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 seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 40 feet.

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout and mixture. Upper two-three feet replaced in situ or with compacted cuttings.

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

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

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

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

DRILLING METHOD:

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

DRILLER'S NAME Woodward Drilling

DRILLER'S LICENSE NO C57-710079

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>V31</u>

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/22/01
ESTIMATED COMPLETION DATE 8/22/01

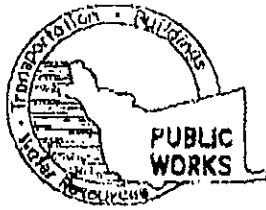
APPROVED _____

DATE 8-30-01

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

APPLICANT'S SIGNATURE _____ DATE 8/22/01

PLEASE PRINT NAME Bryan Campbell Rev. 5-13-00



ALAMEDA COUNTY PUBLIC WORKS AGENCY

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oakland Facility
1310 14th Street
Oakland, California

PERMIT NUMBER W01-711
 WELL NUMBER _____
 APN _____

PERMIT CONDITIONS
 Circled Permit Requirements Apply

CLIENT Nestle USA Inc.
 Name _____
 Address 800 N. Main Blvd. Phone (925) 549-5948
 City Oakland, CA Zip 94605

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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT ETEC Engineering Inc.
 Name _____
 Address 2285 Idarwin Ave. Phone (925) 602-4710 ext 19.
 City Oakland, CA Zip 94623

B. WATER SUPPLY WELLS

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement/sand mixture. Upper two-three feet replaced in' or with compacted cuttings.

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

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

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

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

DRILLING METHOD:

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

DRILLER'S NAME Woodward Drilling

DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>V52</u>

GEOTECHNICAL PROJECTS

Number of Borings		Maximum	
Hole Diameter	in.	Depth	ft.

ESTIMATED STARTING DATE 8/27/01
 ESTIMATED COMPLETION DATE 9/22/01

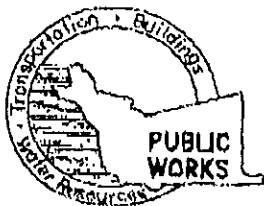
APPROVED _____ DATE _____

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

APPLICANT'S SIGNATURE _____ DATE 8/27/01

PLEASE PRINT NAME Bryan Campbell Rev.5-13-00

[Handwritten Signature]
 DATE 8-23-01



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD CA. 94544-1395

PHONE (510) 670-3554

FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oakland Facility
1310 14th Street
Oakland, CA 94612

PERMIT NUMBER W01-712
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT Nestle USA Inc.
Name _____
Address 800 N. Alameda Blvd. Phone (415) 544-1948
City Oakland, CA Zip 94612

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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT ETIC Engineering Inc.
Name Bryan Turnbull Fax (925) 602-4720
Address 2265 Lakeside Ave Phone (925) 602-4710 ex-14
City Oakland, CA Zip 94612

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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.

TYPE OF PROJECT

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

PROPOSED WATER SUPPLY WELL USE

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

D. GEOTECHNICAL

Backfill bore holes by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in place or with compacted castings.

DRILLING METHOD:

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

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

DRILLER'S NAME Wack World Drilling
DRILLER'S LICENSE NO. C57-710079

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

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

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>V53</u>

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/28/01

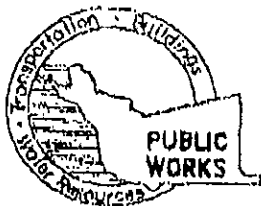
APPROVED _____ DATE _____

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

APPLICANT'S SIGNATURE Bryan Turnbull DATE 8/21/01

PLEASE PRINT NAME Bryan Turnbull Rev.5-13-00

[Handwritten signature]
82301



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 APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oakland Facility
1310 14th Street
Oakland, CA 94612

PERMIT NUMBER W01-713
WELL NUMBER
APN

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT Name Nestle USA Inc.
Address 800 N. Brand Blvd. Phone (415) 549-5948
City Glendale, CA Zip 91202

- 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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT Name E.T.I.C. Engineering Inc.
Address 2225 Diamond Ave. Phone (925) 602-4720
City Piedmont, CA Zip 94610

B. WATER SUPPLY WELLS

- 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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.

TYPE OF PROJECT

Table with 4 columns: Well Construction, Cathodic Protection, Water Supply, Monitoring, Geotechnical Investigation, General, Contamination, Well Destruction.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

PROPOSED WATER SUPPLY WELL USE

Table with 4 columns: New Domestic, Municipal, Industrial, Replacement Domestic, Irrigation, Other.

D. GEOTECHNICAL

Backfill bare hole by tremie with cement grout or cement grout mixture. Upper two-thirds feet replaced in or with compacted cuttings.

DRILLING METHOD:

Table with 4 columns: Mud Rotary, Cable, Air Rotary, Other, Auger.

E. CATHODIC

Fill hole anode zone with non-concrete placed by tremie

DRILLER'S NAME Worsham's Drilling

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

DRILLER'S LICENSE NO. C57-710079

G. SPECIAL CONDITIONS

WELL PROJECTS

Table with 4 columns: Drill Hole Diameter, Casing Diameter, Surface Seal Depth, Maximum Depth, Owner's Well Number.

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

GEOTECHNICAL PROJECTS

Table with 2 columns: Number of Borings, Hole Diameter, Maximum Depth.

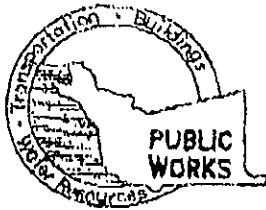
ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/27/01

APPROVED DATE

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

APPLICANT'S SIGNATURE DATE 8/27/01

PLEASE PRINT NAME Bryan Campbell Rev. 5-13-00



ALAMEDA COUNTY PUBLIC WORKS AGENCY

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Dairy Facility
1310 14th Street
Oakland, California

PERMIT NUMBER W01-714
WELL NUMBER
APN

PERMIT CONDITIONS
Circled Permit Requirements Apply

CLIENT Name Nestle USA Inc.
Address 800 N. Grand Blvd. Phone (714) 549-5948
City Oakland, CA Zip 94612

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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT Name ETIC Engineering Inc.
Address 2225 Lakeside Ave Phone (925) 602-4720 ext 17
City Oakland, CA Zip 94612

B. WATER SUPPLY WELLS

- 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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.

TYPE OF PROJECT

Well Construction [] Geotechnical Investigation []
Cathode Protection [] General []
Water Supply [] Contamination []
Monitoring [] Well Destruction [X]

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

PROPOSED WATER SUPPLY WELL USE

New Domestic [] Replacement Domestic []
Municipal [] Irrigation []
Industrial [] Other []

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-thirds feet replaced in 1' or with compacted cuttings.

DRILLING METHOD:

Mud Rotary [] Air Rotary [] Auger []
Cable [] Other []

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

DRILLER'S NAME Woodward Drilling

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

DRILLER'S LICENSE NO. C57-710079

G. SPECIAL CONDITIONS

WELL PROJECTS

Drill Hole Diameter NR in. Maximum Depth NR ft.
Casing Diameter NR in.
Surface Seal Depth NR ft. Owner's Well Number 78

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

GEOTECHNICAL PROJECTS

Number of Borings Maximum Depth
Hole Diameter in. ft.

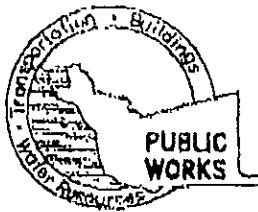
ESTIMATED STARTING DATE 8/22/01
ESTIMATED COMPLETION DATE 8/22/01

APPROVED [Signature] DATE 8-23-01

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

APPLICANT'S SIGNATURE [Signature] DATE 8/21/01

PLEASE PRINT NAME Bryan Campbell Rev.5-13-00



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 APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nettle Outdoor Facility
1310 14th Street
Oakland, California

PERMIT NUMBER W01-715
WELL NUMBER _____
APN _____

CLIENT Nettle USA Inc.
Name _____
Address 800 N. Oakland Blvd. Phone (925) 541-5948
City Oakland, CA Zip 94602

APPLICANT FTIC Engineering, Inc.
Name _____
Address 2285 Alameda Ave Phone (925) 602-4720
City Piedmont, CA Zip 94523

PERMIT CONDITIONS
Circled Permit Requirements Apply

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

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

DRILLING METHOD:

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

DRILLER'S NAME Woodward Drilling

DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum Depth	<u>NR</u> ft.
Casing Diameter	<u>NR</u> in.	Owner's Well Number	<u>216</u>
Surface Seal Depth	<u>NR</u> ft.		

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/22/01
ESTIMATED COMPLETION DATE 8/22/01

APPROVED _____

DATE _____

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

APPLICANT'S SIGNATURE Ryan Campbell DATE 8/22/01

PLEASE PRINT NAME Ryan Campbell Rev.5-13-00

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.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in or with compacted casing.

E. CATHODIC

Fill hole annular zone with concrete placed by tremie

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

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

8-23-01



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
 399 ELMHURST ST. HAYWARD CA. 94544-1395
 PHONE (510) 670-5534
 FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT North Oakland Parkway
1310 14th Street
Oakland, California

PERMIT NUMBER W01-716
 WELL NUMBER _____
 APN _____

PERMIT CONDITIONS
 Circled Permit Requirements Apply

CLIENT North EA Inc.
 Name _____
 Address 800 N. Grand Blvd. Phone (415) 541-5948
 City Oakland, CA Zip 94605

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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT ETEC Engineering Inc.
 Name Bryan Campbell Fax (925) 602-4720
 Address 2225 Adeline Ave. Phone (925) 602-4700-14
 City Oakland, CA Zip 94612

B. WATER SUPPLY WELLS

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in or with compacted cuttings.

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

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

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

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

DRILLING METHOD:

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

DRILLER'S NAME WOCOR Drilling

DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>218</u>

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/27/01
 ESTIMATED COMPLETION DATE 8/27/01

APPROVED [Signature] DATE 8-23-01

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

APPLICANT'S SIGNATURE [Signature] DATE 8/27/01

PLEASE PRINT NAME Bryan Campbell Rev. 5-13-00

FROM : FTIC

FAX NO. : 9256024720

Aug. 22 2001 05:31 PM P18

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 APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oasien Ex 104
1310 14th Street
Pasadena, California

PERMIT NUMBER W01-717
WELL NUMBER _____
APN _____

CLIENT Nestle USA Inc.
Name _____
Address 400 N. Brand Blvd Phone (916) 541-5948
City Pasadena, CA Zip 91233

PERMIT CONDITIONS
Circled Permit Requirements Apply

APPLICANT ETEC Engineering Inc.
Name _____
Address 1000 S. Bascom Ave Phone (925) 602-4720
City Pleasanton, CA Zip 94523

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.
3. Permit is void if project not begun within 90 days of approval date.

TYPE OF PROJECT

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

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

PROPOSED WATER SUPPLY WELL USE

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

DRILLING METHOD:

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or con grout/sand mixture. Upper two-three feet replaced in or with compacted cuttings.

DRILLER'S NAME Woodward Drilling

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

DRILLER'S LICENSE NO C57-710079

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

WELL PROJECTS

Drill Hole Diameter	<u>NK</u> in.	Maximum	
Casing Diameter	<u>NK</u> in.	Depth	<u>NK</u> ft.
Surface Seal Depth	<u>NK</u> ft.	Owner's Well Number	<u>219</u>

G. SPECIAL CONDITIONS

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

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/28/01

APPROVED _____

DATE 8-23-01

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

APPLICANT'S SIGNATURE [Signature] DATE 8/21/01

PLEASE PRINT NAME Bryan [Signature] Rev.5-13-00

FROM : FTIC

FAX NO. : 9256024720

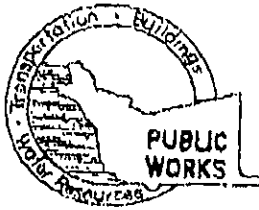
Aug. 22 2001 05:32PM P19

INN-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 APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Next to Dallas Facility
1310 14th Street
Oakland, California

PERMIT NUMBER W01-718
WELL NUMBER _____
APN _____

PERMIT CONDITIONS
Circled Permit Requirements Apply

CLIENT Name Next to Dallas
Address 200 N. Grand Blvd. Phone (415) 549-5948
City Oakland, CA Zip 94612

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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT Name ETIC Engineering Inc.
By Cyran Campbell Fax (925) 602-4720
Address 275 Wilson Ave Phone (925) 602-4710 ext 17
City Oakland, CA Zip 94612

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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.

TYPE OF PROJECT

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

PROPOSED WATER SUPPLY WELL USE

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in or with compacted cuttings.

DRILLING METHOD:

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

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

DRILLER'S NAME Woodsward Drilling

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

DRILLER'S LICENSE NO. C57-710079

G. SPECIAL CONDITIONS

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

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>221</u>

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/27/01

APPROVED _____ DATE 8/22/01

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

APPLICANT'S SIGNATURE _____ DATE 8/22/01

PLEASE PRINT NAME Bryan Campbell

FROM : FTIC

FAX NO. : 9256024720

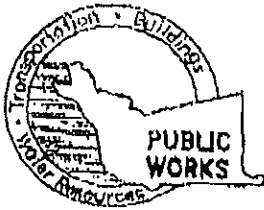
Aug. 22 2001 05:33PM P20

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 ELMHURST ST. HAYWARD CA. 94544-1395

PHONE (510) 670-3554

FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oastland, Hayward
1310 14th Street
Oakland, California

PERMIT NUMBER W01-719
WELL NUMBER _____
APN _____

CLIENT Name Nestle USA Inc.
Address 900 N. Brand St. Phone (415) 549-5948
City Belmont, CA Zip 94705

PERMIT CONDITIONS

Circled Permit Requirements Apply

APPLICANT Name ETIC Engineering Inc.
Bryan Campbell Fax (925) 602-4720
Address 2255 Mariposa Ave Phone (925) 602-4710 ext 17
City Piedmont, CA Zip 94523

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.
3. Permit is void if project not begun within 90 days of approval date.

TYPE OF PROJECT

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

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

PROPOSED WATER SUPPLY WELL USE

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

DRILLING METHOD:

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement/sand mixture. Upper two-three feet replaced in 1 or with compacted cuttings.

DRILLER'S NAME Woodward's Drilling

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

DRILLER'S LICENSE NO. C57-710079

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>225</u>

G. SPECIAL CONDITIONS

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

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/22/01
ESTIMATED COMPLETION DATE 8/22/01

APPROVED _____

DATE 8-23-01

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

APPLICANT'S SIGNATURE Bryan Campbell DATE 8/22/01

PLEASE PRINT NAME Bryan Campbell

FROM : FTIC

FAX NO. : 9256024720

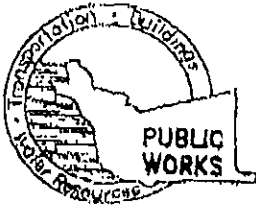
Aug. 22 2001 05:33PM P21

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 APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Neyle Park, Hayward, CA
1310 14th Street
Hayward, California

PERMIT NUMBER W07-720
WELL NUMBER _____
APN _____

PERMIT CONDITIONS
Circled Permit Requirements Apply

CLIENT Name Neyle Park, Inc.
Address 800 N. Broad St. Phone 415-544-1948
City Hayward, CA Zip 94523

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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT Name ETIC Engineering Inc.
Address 2225 Mission Ave Phone 925-602-4710 ext 11
City Piedmont, CA Zip 94523

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by trowel.
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.

TYPE OF PROJECT

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

PROPOSED WATER SUPPLY WELL USE

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

D. GEOTECHNICAL

Backfill bare hole by trowel with cement grout or earthen grout/sand mixture. Upper two-three feet replaced in 1' or with compacted cuttings.

DRILLING METHOD:

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

E. CATHODIC

Fill hole anode zone with concrete placed by trowel

DRILLER'S NAME Woodward Drilling

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

DRILLER'S LICENSE NO. C57-710079

G. SPECIAL CONDITIONS

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

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum Depth	<u>NR</u> ft.
Casing Diameter	<u>NR</u> in.	Owner's Well Number	<u>228</u>
Surface Seal Depth	<u>NR</u> ft.		

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/27/01

APPROVED _____ DATE _____

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

APPLICANT'S SIGNATURE _____ DATE 8/27/01

PLEASE PRINT NAME Bryan Campbell

FROM : FTIC

FAX NO. : 9256024720

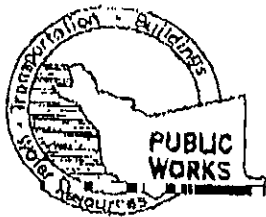
Aug. 22 2001 05:34PM P22

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 APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oakland Facility
1310 14th Street
Oakland, CA 94612

PERMIT NUMBER W01-721
WELL NUMBER _____
APN _____

CLIENT
Name Nestle USA Inc.
Address 800 N. Wood St. Phone (415) 544-5948
City Oakland, CA Zip 94602

PERMIT CONDITIONS
Circled Permit Requirements Apply

APPLICANT
Name ETEC Engineering Inc.
Bryan Campbell Fax (925) 602-4720
Address 2275 Alameda Ave. Phone (925) 602-4710 ext-11
City Oakland, CA Zip 94612

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.
3. Permit is void if project not begun within 90 days of approval date.

TYPE OF PROJECT

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

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

PROPOSED WATER SUPPLY WELL USE

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

DRILLING METHOD:

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or concrete/sand mixture. Upper two-thirds feet replaced in or with compacted cuttings.

DRILLER'S NAME Woodward Drilling

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

DRILLER'S LICENSE NO. C57-710079

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>229</u>

G. SPECIAL CONDITIONS

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

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/27/01

APPROVED [Signature] DATE 8/22/01

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

APPLICANT'S SIGNATURE [Signature] DATE 8/22/01

PLEASE PRINT NAME Bryan Campbell

FROM : FTIC

FAX NO. : 9256024720

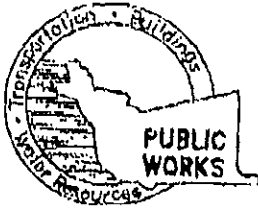
Aug. 22 2001 05:34PM P23

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 WILMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oilfield Facility
1310 14th Street
San Ramon, California

PERMIT NUMBER W01-722
WELL NUMBER _____
APN _____

CLIENT Name Nestle USA Inc.
Address 900 N. Brand Blvd. Phone (818) 544-5748
City Glenview, CA Zip 91305

PERMIT CONDITIONS
Circled Permit Requirements Apply

APPLICANT Name ETEC Engineers Inc.
Address 2285 Wilbur Ave Phone (925) 602-4720
City Pleasanton, CA Zip 94523

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.
3. Permit is void if project not begun within 90 days of approval date.

TYPE OF PROJECT

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

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

PROPOSED WATER SUPPLY WELL USE

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

DRILLING METHOD:

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in k or with compacted castings.

DRILLER'S NAME Woods North Drilling

DRILLER'S LICENSE NO. C57-710079

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

F. WELL DESTRUCTION

Send a map of work site. A separate permit is require for wells deeper than 45 feet.

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>230</u>

G. SPECIAL CONDITIONS

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

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/27/01

APPROVED

8-23-01
DATE

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

APPLICANT'S SIGNATURE [Signature] DATE 8/27/01

PLEASE PRINT NAME Bryan [Signature] Rev.5-13-00

FROM : FTIC

FAX NO. : 9256024720

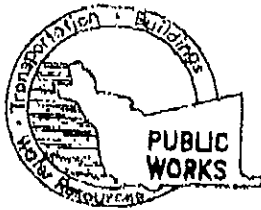
Aug. 22 2001 05:35PM P24

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) 670-5584
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Dairy Facility
1310 14th Street
Oakland, California

PERMIT NUMBER W01-723
WELL NUMBER _____
APN _____

CLIENT Name Nestle USA Inc.
Address 800 Alameda Blvd Phone (925) 544-5948
City Oakland, CA Zip 94612

PERMIT CONDITIONS
Circled Permit Requirements Apply

APPLICANT Name ETIC Engineering Inc.
Address 1275 14th St Phone (925) 602-4720
City Oakland, CA Zip 94612

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.
3. Permit is void if project not begun within 90 days of approval date.

TYPE OF PROJECT

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

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

PROPOSED WATER SUPPLY WELL USE

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

DRILLING METHOD:

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

D. GEOTECHNICAL

Backfill bare hole by tremie with cement grout or ce grout/sand mixture. Upper two-three feet replaced in or with compacted cuttings.

DRILLER'S NAME Woodward Drilling

DRILLER'S LICENSE NO. C57-710079

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

F. WELL DESTRUCTION

Send a map of work site. A separate permit is requir for wells deeper than 45 feet.

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum Depth	<u>NR</u> ft.
Casing Diameter	<u>NR</u> in.	Owner's Well Number	<u>234</u>
Surface Root Depth	<u>NR</u> ft.		

G. SPECIAL CONDITIONS

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

GEOTECHNICAL PROJECTS

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

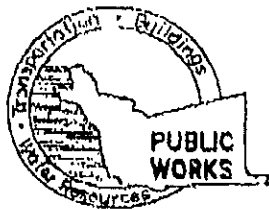
ESTIMATED STARTING DATE 8/22/01
ESTIMATED COMPLETION DATE 9/12/01

APPROVED _____ DATE 8/23/01

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

APPLICANT'S SIGNATURE [Signature] DATE 8/22/01

PLEASE PRINT NAME Bryan Campbell Rev. 5-13-00



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
 399 ELMHURST ST. HAYWARD CA. 94544-1395
 PHONE (510) 670-5584
 FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Neitle Oatman Facility
1310 14th Street
Oakland, CA 94612

PERMIT NUMBER W01-724
 WELL NUMBER _____
 APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT Neitle USA Inc.
 Name _____
 Address 800 N. Broadway St. Phone (925) 541-5948
 City Oakland, CA Zip 94608

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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT ETEC Engineering Inc.
 Name _____
 Address 2325 Lakeside Ave Phone (925) 602-4720
 City Oakland, CA Zip 94612

B. WATER SUPPLY WELLS

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or ce grout/sand mixture. Upper two-three feet replaced in or with compacted cuttings.

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

F. WELL DESTRUCTION

Send a map of work site. A separate permit is requi for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

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

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

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

DRILLING METHOD:

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

DRILLER'S NAME Woodward Drilling
 DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>235</u>

GEOTECHNICAL PROJECTS

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

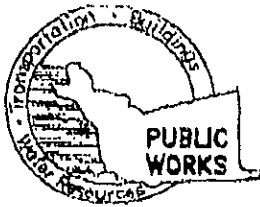
ESTIMATED STARTING DATE 8/27/01
 ESTIMATED COMPLETION DATE 8/27/01

APPROVED _____ DATE 8/23/01

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

APPLICANT'S SIGNATURE _____ DATE 8/27/01

PLEASE PRINT NAME Bryan Campbell Rev. 5-13-00



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 APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Neerle Oilfield, Hayward
1310 14th Street
Hayward, California

PERMIT NUMBER W07-725
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT Name Neerle USA Inc.
Address 800 N. Brand Blvd. Phone (415) 544-5948
City Redwood City Zip 94063

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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT Name ETIC Engineering Inc.
Address 2225 Delgado Avenue Phone (925) 602-4720
City Redwood City Zip 94063

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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.

TYPE OF PROJECT

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

PROPOSED WATER SUPPLY WELL USE

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or grout/sand mixture. Upper two-thru feet replaced in or with compacted castings.

DRILLING METHOD:

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

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

DRILLER'S NAME Woodward Drilling
DRILLER'S LICENSE NO. C57-710079

F. WELL DESTRUCTION

Send a map of work site. A separate permit is requir for wells deeper than 45 feet.

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>236</u>

G. SPECIAL CONDITIONS

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

GEO/TECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/27/01

APPROVED [Signature] DATE 8-23-01

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

APPLICANT'S SIGNATURE [Signature] DATE 8/21/01

PLEASE PRINT NAME Bryan Campbell Rev. 5-13-00



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 APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oakview Farm
1310 14th Street
Oakland, California

PERMIT NUMBER W07-726
WELL NUMBER _____
APN _____

PERMIT CONDITIONS
Circled Permit Requirements Apply

CLIENT
Name Nestle USA Inc.
Address 800 N. Wacker Dr. Phone (919) 541-5948
City Charlotte, NC Zip 28226

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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT
Name ETIC Engineering Inc.
Address 2225 International Ave Phone (925) 602-4720
City Oakland, CA Zip 94621

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
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.

TYPE OF PROJECT

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

PROPOSED WATER SUPPLY WELL USE

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or ce grout/sand mixture. Upper two-thirds feet replaced in or with compacted cuttings.

DRILLING METHOD:

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

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

DRILLER'S NAME Waco Hard Drilling

F. WELL DESTRUCTION

Send a map of work site. A separate permit is requi for wells deeper than 45 feet.

DRILLER'S LICENSE NO. C57-710079

G. SPECIAL CONDITIONS

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

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>NR</u> in.	Depth	<u>NR</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>242</u>

GEOTECHNICAL PROJECTS

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

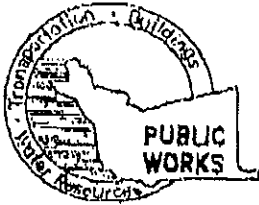
ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/28/01

APPROVED _____ DATE _____

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

APPLICANT'S SIGNATURE _____ DATE 8/21/01

PLEASE PRINT NAME Bryan Campbell Rev. 5-13-00



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD CA. 94544-1395

PHONE (510) 670-8584

FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Neerle Oakland Facility
1310 14th Street
Oakland, California

PERMIT NUMBER W01-727
WELL NUMBER _____
APN _____

CLIENT Name Neerle USA Inc.
Address 800 N. Grand Blvd. Phone 1818-549-5948
City Oakland, CA Zip 94612

PERMIT CONDITIONS
Circled Permit Requirements Apply

APPLICANT Name ETIC Engineering Inc.
By Ryan Campbell Fax (925) 602-4720
Address 2225 Adeline Ave Phone (925) 602-4710 ext-17
City Oakland, CA Zip 94612

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.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-thirds feet replaced in or with compacted cuttings.

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

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

TYPE OF PROJECT

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

PROPOSED WATER SUPPLY WELL USE

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

DRILLING METHOD:

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

DRILLER'S NAME Woodward Drilling

DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum Depth	<u>12</u> ft.
Casing Diameter	<u>2</u> in.	Owner's Well Number	<u>243</u>
Surface Seal Depth	<u>NR</u> ft.		

GEOTECHNICAL PROJECTS

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

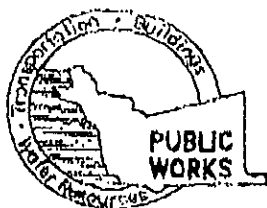
ESTIMATED STARTING DATE 8/22/01
ESTIMATED COMPLETION DATE 8/22/01

APPROVED _____ DATE 8-23-01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-64.

APPLICANT'S SIGNATURE Ryan Campbell DATE 8/22/01

PLEASE PRINT NAME Ryan Campbell Rev.5-13-00



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD CA. 94544-1398

PHONE (510) 670-5554

FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Ne-tle Oadign Facility
1310 14th Street
Oakland, California

PERMIT NUMBER W01-728
WELL NUMBER _____
APN _____

CLIENT Ne-tle USA Inc.
Name _____
Address 800 N. Grand Blvd Phone (415) 544-5948
City Oakland, CA Zip 94605

APPLICANT E.T.C. Engineering Inc.
Name Ryan Campbell Fax (925) 602-4720
Address 2225 Mission Ave Phone (925) 602-4710 ext 14
City Oakland, CA Zip 94612

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

PROPOSED WATER SUPPLY WELL USE
New Domestic Replacement Domestic
Municipal Irrigation
Industrial Other _____

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Woodward Drilling
DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS
Drill Hole Diameter NR in. Maximum _____
Casing Diameter NR in. Depth NR ft.
Surface Seal Depth NR ft. Owner's Well Number 245

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

ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 9/27/01

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

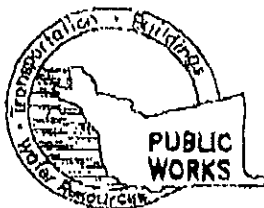
APPLICANT'S SIGNATURE Ryan Campbell DATE 8/27/01

PLEASE PRINT NAME Ryan Campbell Rev. 5-13-00

- PERMIT CONDITIONS
Checked Permit Requirements Apply
- 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.
 3. Permit is void if project not begun within 90 days of approval date.
- B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 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 seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- D. GEOTECHNICAL
- Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in or with compacted cuttings.
- E. CATHODIC
- Fill hole annulus zone with concrete placed by tremie
- F. WELL DESTRUCTION
- Send a map of work site. A separate permit is required for wells deeper than 45 feet.
- G. SPECIAL CONDITIONS

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

APPROVED [Signature] DATE 8-23-01



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD CA. 94544-1395

PHONE (510) 670-3554

FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oakland Facility
1310 14th Street
Oakland, California

PERMIT NUMBER W01-729
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Checked Permit Requirements Apply

CLIENT Name Nestle USA Inc.
Address 800 N. Brand Blvd. Phone (415) 541-5948
City Glendale, CA Zip 91203

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.
3. Permit is void if project not begun within 90 days of approval date.

APPLICANT Name ETIC Engineering Inc.
Address 2225 Alvarado Ave Phone (925) 602-4710 ext 17
City Pleasant Hill, CA Zip 94523

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie
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.

TYPE OF PROJECT

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

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

PROPOSED WATER SUPPLY WELL USE

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in or with compacted cuttings.

DRILLING METHOD:

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

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

DRILLER'S NAME Woodward Drilling

DRILLER'S LICENSE NO C57-710079

F. WELL DESTRUCTION

Send a map of work site. A separate permit is requit for wells deeper than 45 feet.

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum	
Casing Diameter	<u>2</u> in.	Depth	<u>189</u> ft.
Surface Seal Depth	<u>NR</u> ft.	Owner's Well Number	<u>247</u>

G. SPECIAL CONDITIONS

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

GEOTECHNICAL PROJECTS

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

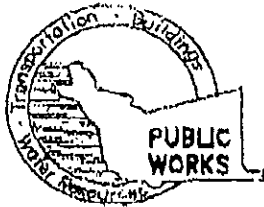
ESTIMATED STARTING DATE 8/27/01
ESTIMATED COMPLETION DATE 8/27/01

APPROVED _____ DATE 8-23-01

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

APPLICANT'S SIGNATURE Bryan Campbell DATE 8/21/01

PLEASE PRINT NAME Bryan Campbell Rcv.5-13-00



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 APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Norte Ocalina Facility
1310 14th Street
Oakland, California

PERMIT NUMBER W07-730
 WELL NUMBER _____
 APN _____

PERMIT CONDITIONS
 Circled Permit Requirements Apply

CLIENT Norte USA Inc.
 Name _____
 Address 800 N. Wood Blvd. Phone (918) 541-5948
 City Oklahoma, CA Zip 91205

- 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.
 3. Permit is void if project not begun within 90 days of approval date.

APPLICANT ETIC Engineering, Inc.
 Name _____
 Address 1414 Campbell Fax (925) 602-4730
 Address 2325 Alameda Ave Phone (925) 602-4710 ext 11
 City Oakland, CA Zip 94612

- B. WATER SUPPLY WELLS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 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.

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

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WATER SUPPLY WELL USE

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

- D. GEOTECHNICAL**
 Backfill bore hole by tremie with cement grout or ce grout/sand mixture. Upper two-thirds fact replaced in or with compacted cuttings.

DRILLING METHOD:

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

- E. CATHODIC**
 Fill hole made zone with concrete placed by tremie.

DRILLER'S NAME Woodward Drilling
 DRILLER'S LICENSE NO. C57-710079

- F. WELL DESTRUCTION**
 Send a map of work site. A separate permit is requi for wells deeper than 45 feet.
- G. SPECIAL CONDITIONS**

WELL PROJECTS

Drill Hole Diameter	<u>N/A</u> in.	Maximum	
Casing Diameter	<u>N/A</u> in.	Depth	<u>N/A</u> ft.
Surface Seal Depth	<u>N/A</u> ft.	Owner's Well Number	<u>248</u>

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

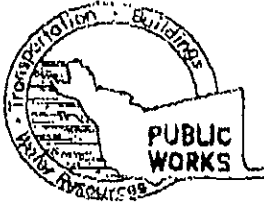
GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/27/01
 ESTIMATED COMPLETION DATE 8/22/01

APPROVED [Signature] DATE 8-23-01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-6H.
 APPLICANT'S SIGNATURE [Signature] DATE 8/21/01
 PLEASE PRINT NAME Bryan Campbell Rev.5-13-00



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5584
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Neyle Ocean Facility
1310 14th Street
Oakland, CA 94612

PERMIT NUMBER W07-7311
WELL NUMBER _____
APN _____

CLIENT Neyle Ocean Facility
Name Neyle Ocean Facility
Address 399 Elmhurst St. Phone (510) 549-1948
City Oakland, CA Zip 94612

APPLICANT ETIC Engineering Inc.
Name ETIC Engineering Inc.
Address 6305 Lakeside Ave Phone (925) 492-4710 ext 17
City Oakland, CA Zip 94623

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

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

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Wardward Drilling
DRILLER'S LICENSE NO. C57-710079

WELL PROJECTS
Drill Hole Diameter NR in. Maximum Depth NR ft.
Casing Diameter NR in. Owner's Well Number 251
Surface Seal Depth NR ft.

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

ESTIMATED STARTING DATE 8/22/01
ESTIMATED COMPLETION DATE 8/22/01

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

APPLICANT'S SIGNATURE [Signature] DATE 8/22/01

PLEASE PRINT NAME Bryan Campbell Rcv.5-13-00

PERMIT CONDITIONS

Circled Permit Requirements Apply

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.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS

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

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement/sand mixture. Upper two-three feet replaced in 1' or with compacted cuttings.

E. CATHODIC

Fill hole anode zone with concrete placed by tremie

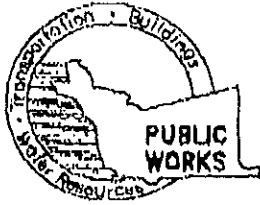
F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS

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

APPROVED [Signature] DATE 8-23-01



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 APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Nestle Oakland, E. 11th
310 14th Street
Oakland, California

PERMIT NUMBER W01-732
 WELL NUMBER _____
 APN _____

PERMIT CONDITIONS
 Circled Permit Requirements Apply

CLIENT Nestle USA Inc.
 Name _____
 Address 800 N. Brand Blvd. Phone (916) 599-5948
 City Oakland, CA Zip 94612

- 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.
 3. Permit is void if project not begun within 90 days of approval date.

APPLICANT ETEC Engineering Inc.
 Name _____
 Address 2385 Alameda Ave. Phone (925) 602-4720
 City Oakland, CA Zip 94612

- B. WATER SUPPLY WELLS**
1. Minimum surface seal thickness is two inches of neopren grom placed by tremie.
 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.

TYPE OF PROJECT

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

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WATER SUPPLY WELL USE

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

- D. GEOTECHNICAL**
 Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in or with compacted cuttings.

DRILLING METHOD:

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

- E. CATHODIC**
 Fill hole anode zone with concrete placed by tremie

DRILLER'S NAME Woodward Drilling
 DRILLER'S LICENSE NO. C57-710079

- F. WELL DESTRUCTION**
 Send a map of work site. A separate permit is required for wells deeper than 45 feet.

WELL PROJECTS

Drill Hole Diameter	<u>NR</u> in.	Maximum Depth	<u>NR</u> ft.
Casing Diameter	<u>NR</u> in.	Owner's Well Number	<u>252</u>
Surface Seal Depth	<u>NR</u> ft.		

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

GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE 8/27/01
 ESTIMATED COMPLETION DATE 8/27/01

APPROVED _____ DATE 8-23-01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.
 APPLICANT'S SIGNATURE _____ DATE 8/21/01
 PLEASE PRINT NAME Bryan Campbell Rev. 5-13-00

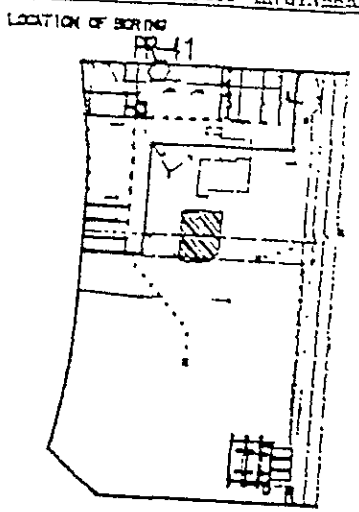
Attachment C

Department of Water Resources Form 188's

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



SITE LOCATION		GANNETT/DAYLAND		BORING NO.		PR-41	
PROJECT NO.		004-88-054		SHEET		1	
WATER LEVEL				OF		1	
TIME				DRILLER			
DATE				START		FINISH	
CASING DEPTH				TIME		TIME	
DRILLING CONTRACTOR				12:00		12:50	
DRILLER		MIKE MOORE		DATE		DATE	
DRILLING METHOD		HOLLOW STEEL AUGER		4-26-89		4-26-89	
SAMPLING METHOD		140# HAMMER 30" DROP, MODIFIED CALIFORNIA SAMPLER					
LOGGER		CHRIS NIELSON-GEORLOG					
N/S		2890.8 2669.9		E/W		3140.0	
BORING DIAMETER:		?		ELEV.		74.43	
REVIEWED BY:		M.A.M.		WELL CASING DIAMETER:			
				DATE		8-29-88	

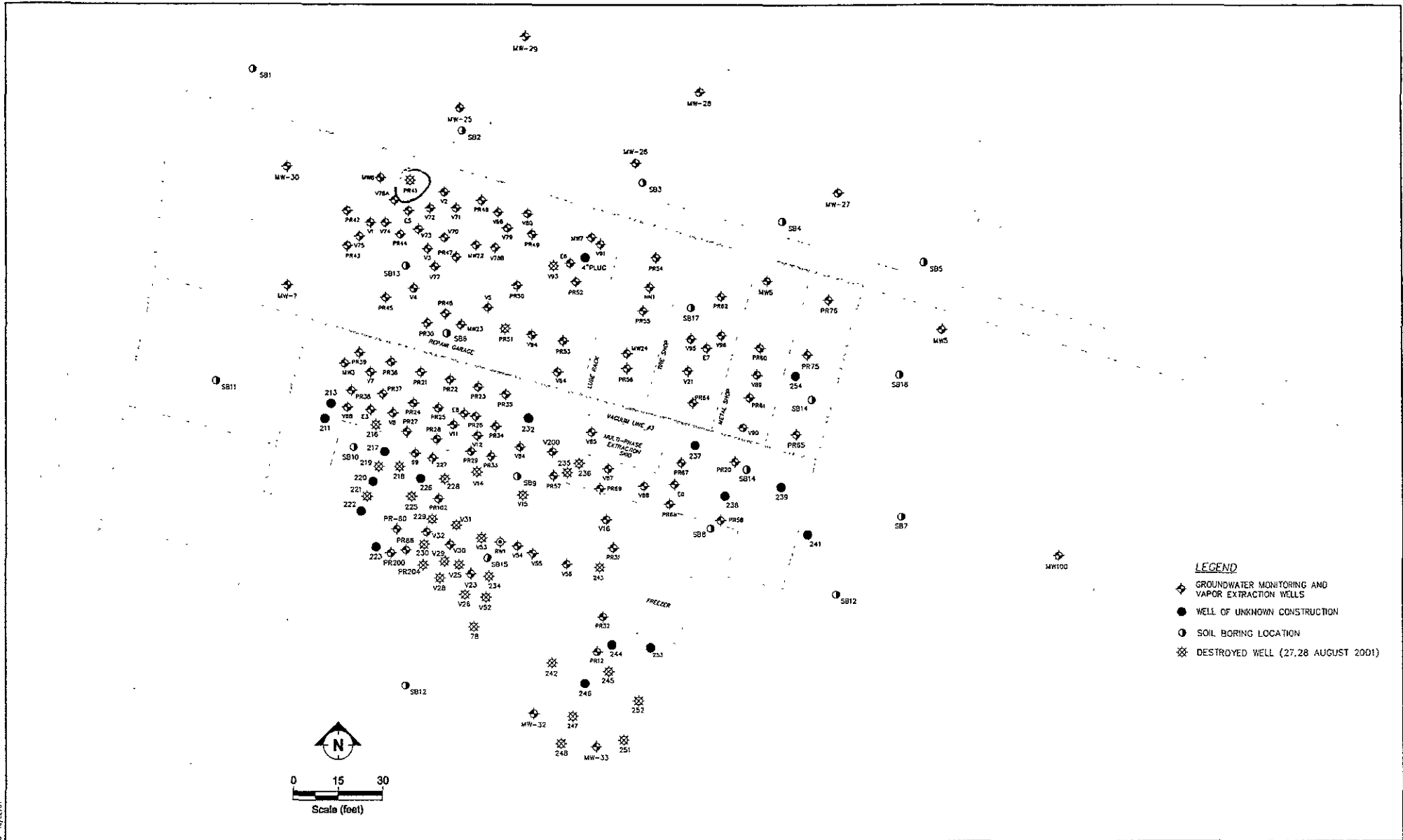
DIST. FROM SURF.	WELL CONST.			TLY. READING	SAMPLE NO.	RECOVERY	BLDG. PER 6 IN.	USGS	LOG OF MATERIAL
	CASING	ANNULUS	LEGEND						
1								ML	PORTLAND CEMENT CONCRETE
2									SANDY GRAVEL
3	BLANK	1/4 BENTONITE CEMENT SLURRY						SW	SANDY SILT - BLACK TO DARK BROWN, MOIST, MEDIUM STIFF WITH TRACE GRAVEL, SEWAGE ODOOR.
4		3/8" BENT. PELL.							SILTY SAND - MOTTLED GREEN/GRAY, MOIST, MEDIUM DENSE.
5									GRADES MOIST TO WET.
6									GRADES WET
7									COLOR CHANGE TO YELLOW BROWN.
8									
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TEST BORING TERMINATED @ 15' ON 4-26-89

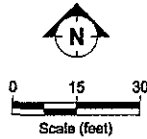
MATERIALS: 2 BAGS OF SAND
1/2 5 GALLON BUCKET OF BENTONITE

0.000 INCH
1/8 INCH
1/4 INCH
3/8 INCH
1/2 INCH
3/4 INCH
1 INCH
1 1/4 INCH
1 1/2 INCH
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9 3/4 INCH
10 INCH

10000



- LEGEND**
- ◆ GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
 - WELL OF UNKNOWN CONSTRUCTION
 - SOIL BORING LOCATION
 - ⊗ DESTROYED WELL (27,28 AUGUST 2001)



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

FIGURE:

FEDERAL REGISTER 10/20/01

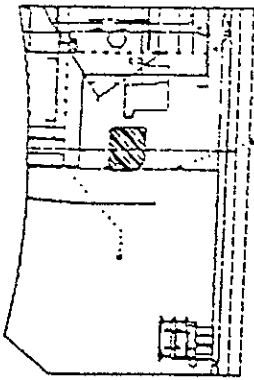
ETIC
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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

PR-51



ANANIA GEOLOGIC ENGINEERS, J

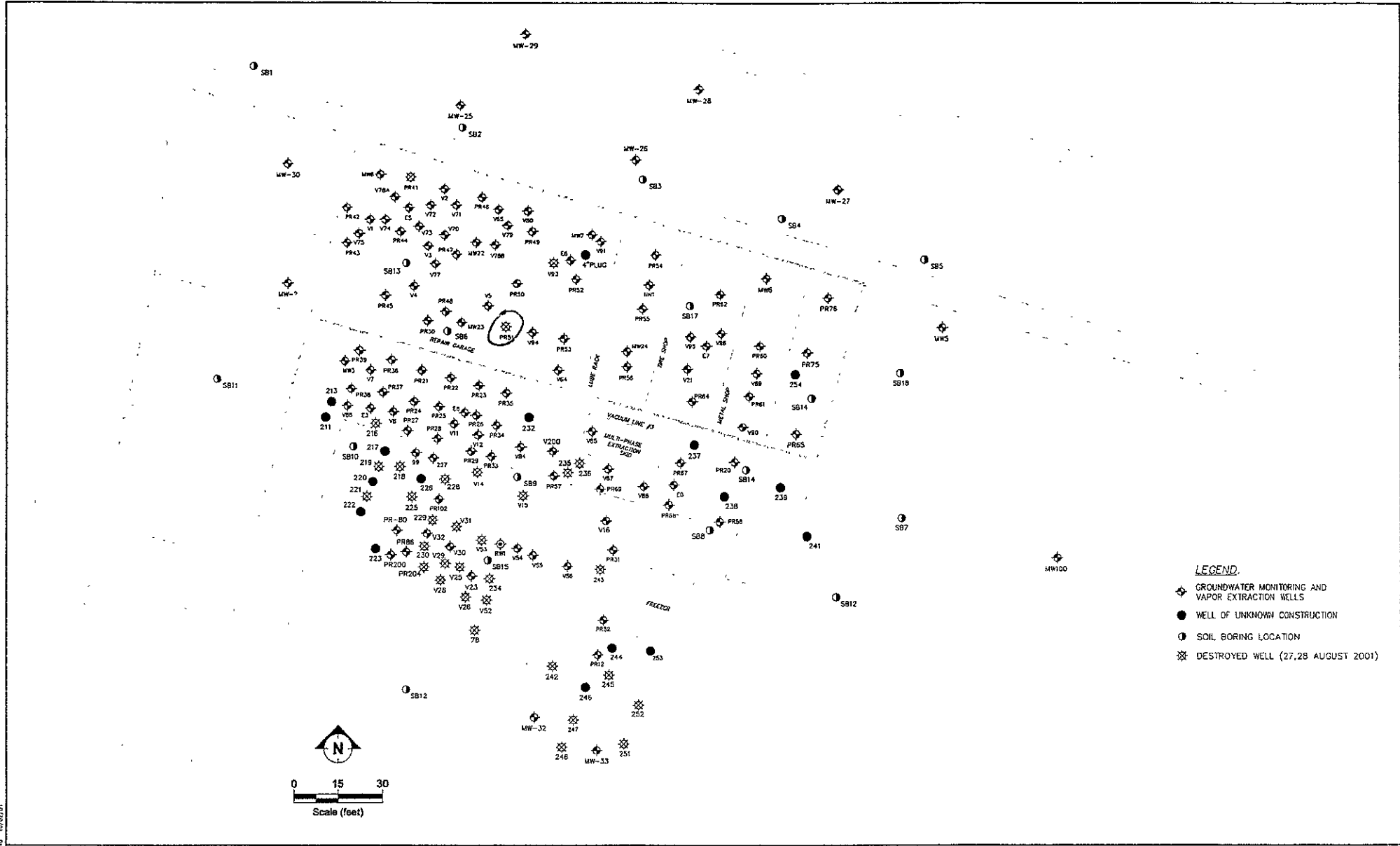
BORING LOG

SITE/LOCATION CARNATION/GARLAND		BORING NO. PR-51	
PROJECT NO. 004-88-059		SHEET 1 of 1	
WATER LEVEL		DRILLER	
TIME		START	FINISH
DATE		TIME	DATE
CASING DEPTH		10:5	4-28-89
DRILLING CONTRACTOR		DATE	DATE
DRILLER MIKE MOORE		4-28-89	4-28-89
DRILLING METHOD HOLLOW STEM AUGER			
SAMPLING METHOD 1/4" HAMMER 30" DROP, MODIFIED CALIFORNIA SAMPLER			
LOGGER CHRIS NIELSON-CERQUONE			
M/S 2621.8	E/W 3168.4	ELEV. 14.58	
BORING DIAMETER: 6 INCHES		WELL CASING DIAMETER: 2 INCHES	

DIST. FROM SURF.	WELL CONST.			TLV READING	SAMPLE NO.	RECOVERY	BLOWS PER 6 IN.	USCS	LOG OF MATERIAL
	CASING	ANNULUS	LEGEND						
1	BLANK	4" BENTONITE CEMENT SLURRY	[Cross-hatched pattern]					GP ML	PORTLAND CEMENT CONCRETE
4		3/8" BENT. PELL.	[Diagonal line pattern]					SM	SANDY GRAVEL - MOIST, MEDIUM DENSE.
									SANDY SILT - DARK BROWN TO BLACK, MOIST, MEDIUM STIFF, SEWAGE ODOR (FILL).
									ENCOUNTERING (RED BRICK).
									SILTY SAND - GRAY/GREEN BROWN, MOIST, MEDIUM DENSE.
									COLOR CHANGE TO BROWN, GRADES VERY MOIST TO WET.
									COLOR CHANGE TO YELLOW BROWN, GRADES WET.
									TEST BORING TERMINATED @ 15' ON 4-28-89

0.030 INCH SLOT

3/ SAND



- LEGEND**
- ◆ GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
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 - ✱ DESTROYED WELL (27,28 AUGUST 2001)

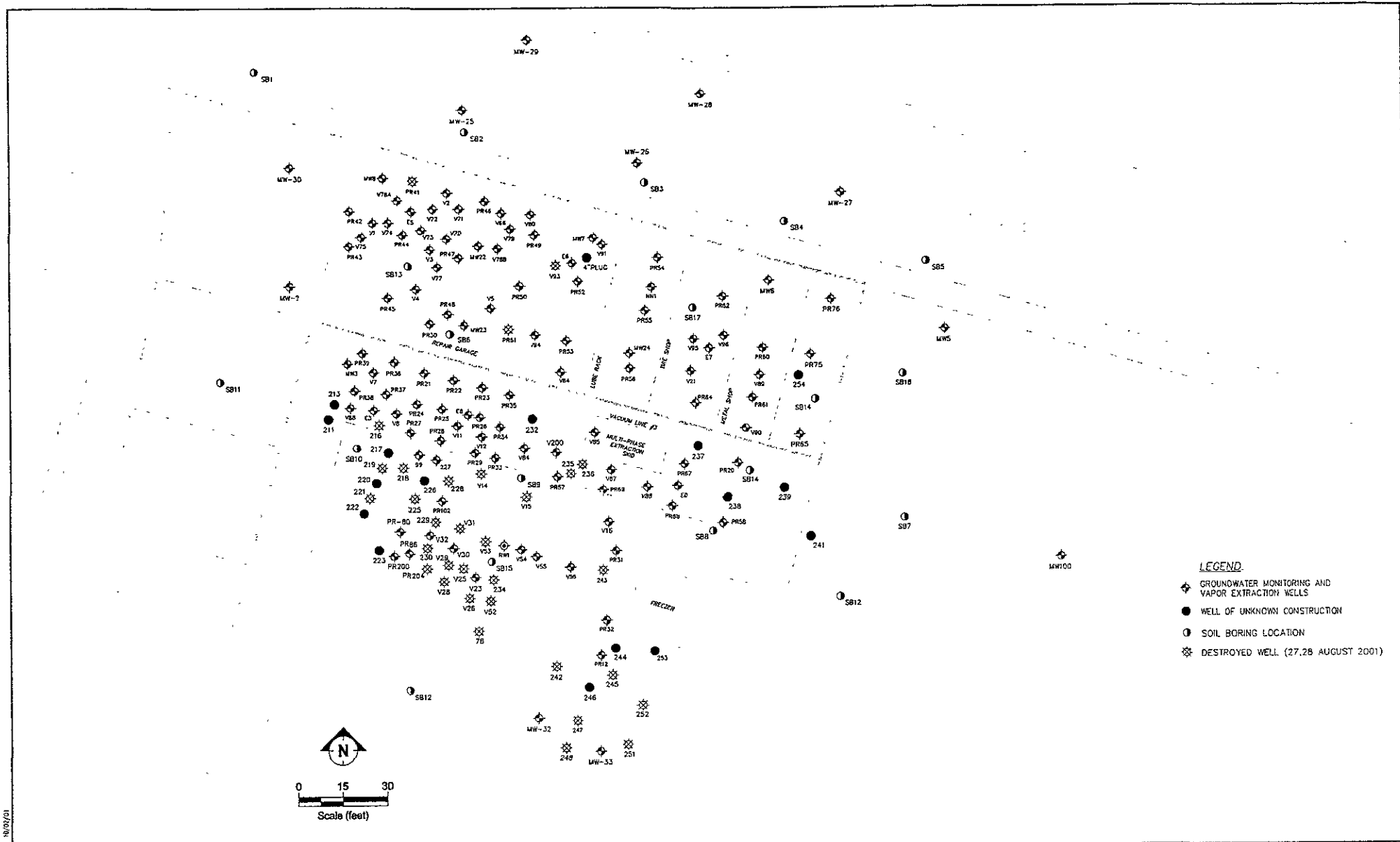
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
 FORMER NESTLE OAKLAND FACILITY
 1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE:

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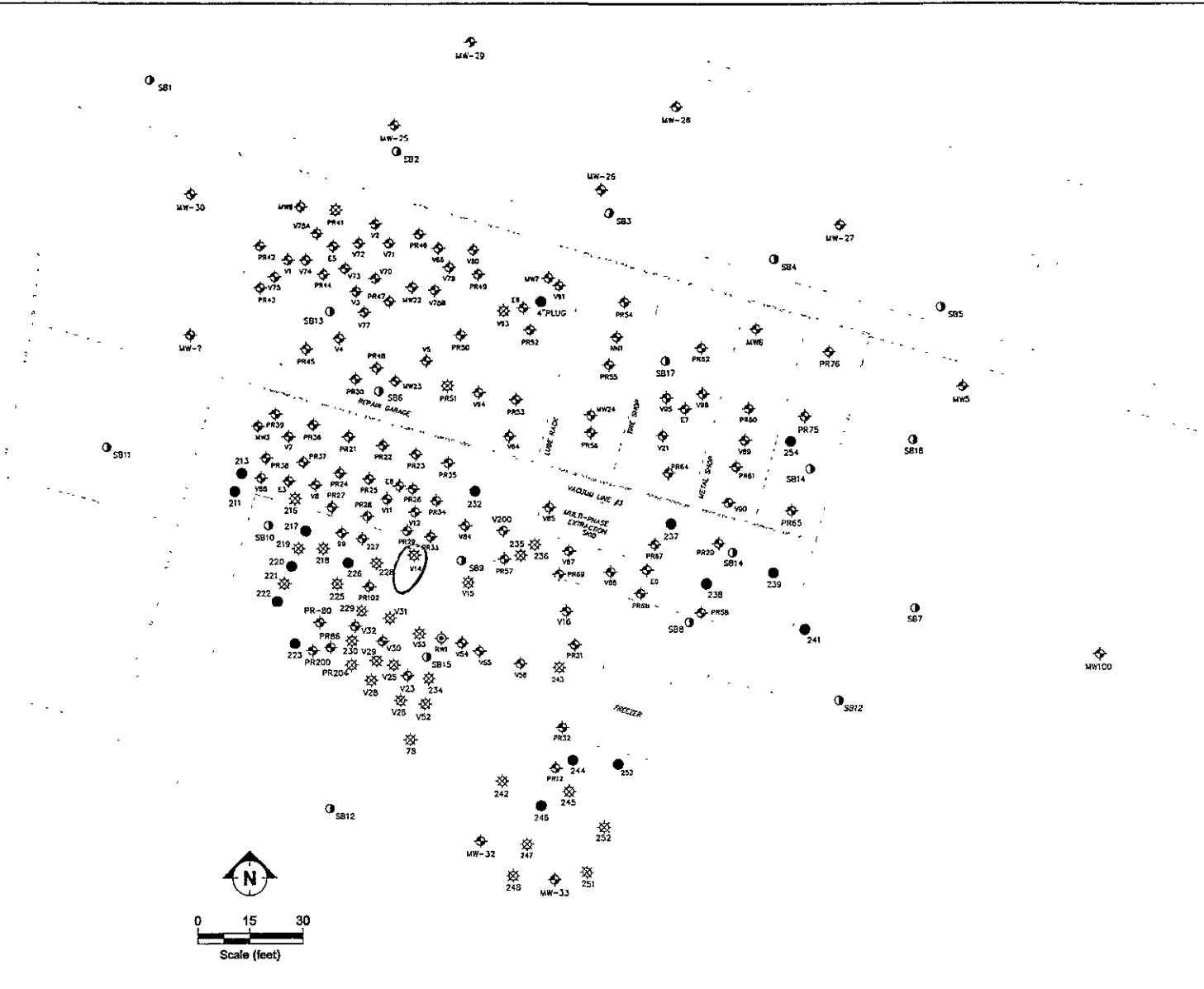
FIGURE:

TEL: 415.551.0000 FAX: 415.551.0001

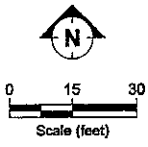
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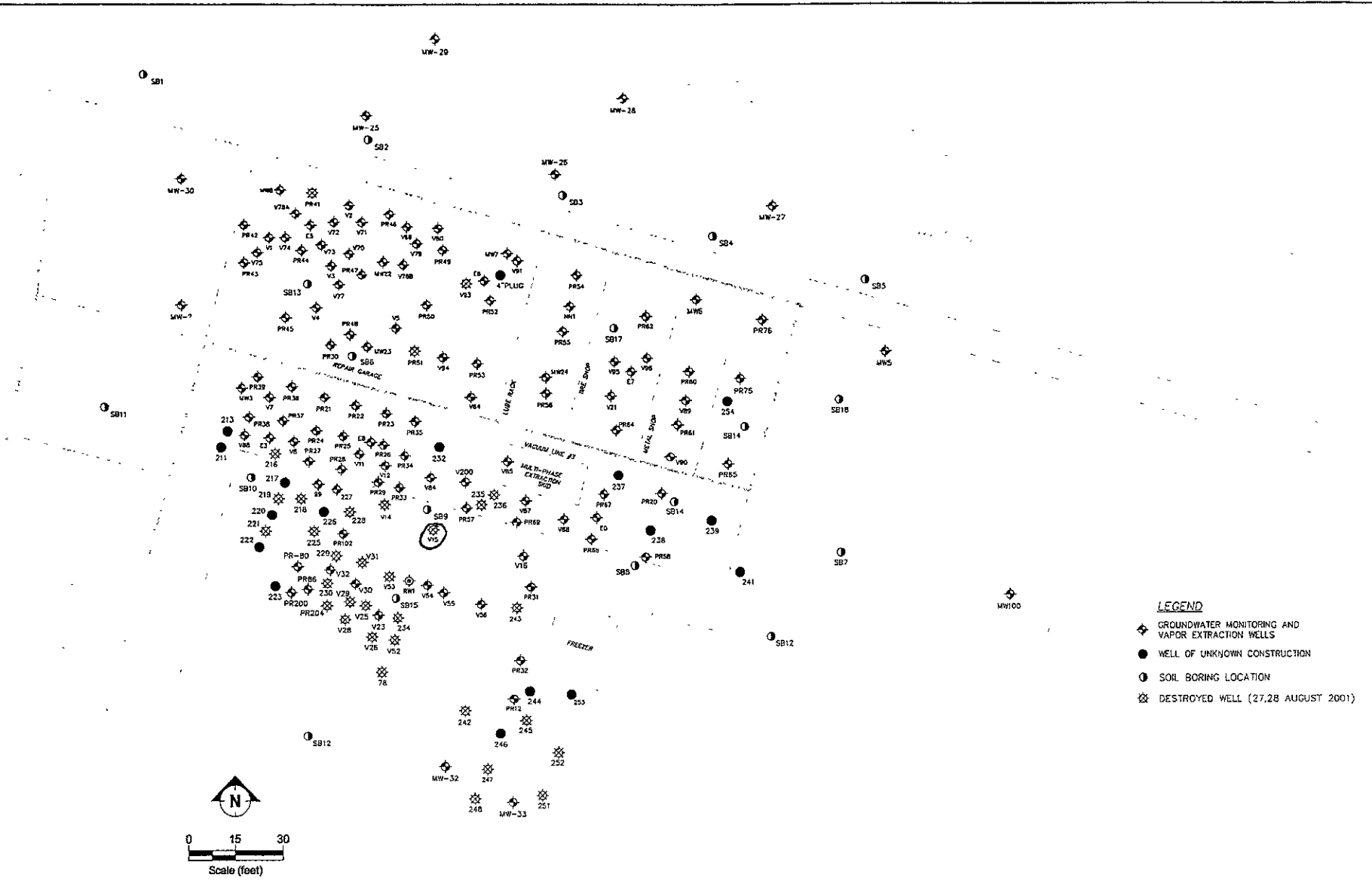
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
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FIGURE:

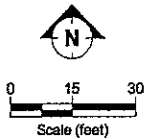
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FIGURE:

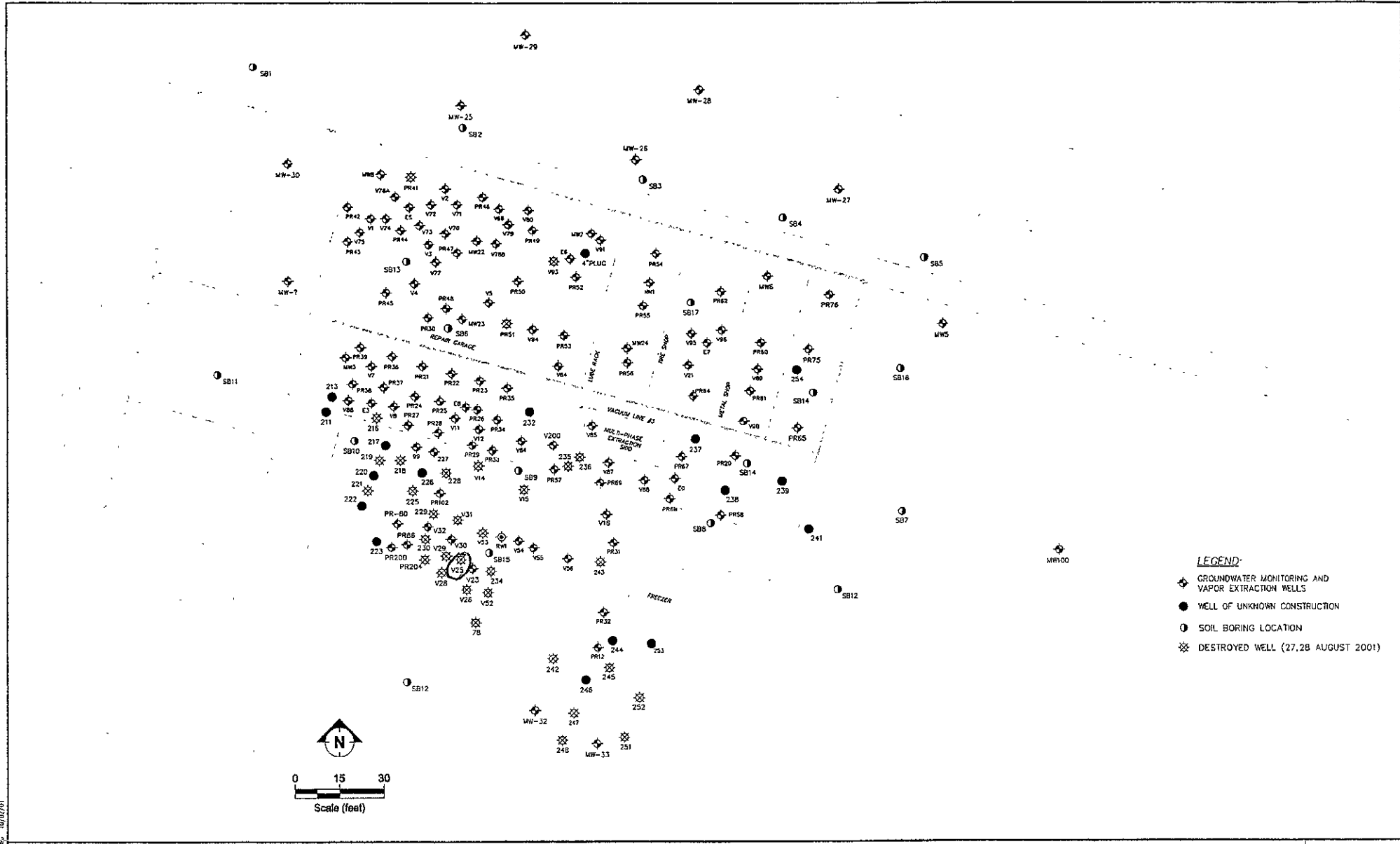
SCALE: SITE/001.DWG 10/02/01



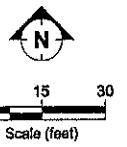
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FIGURE:

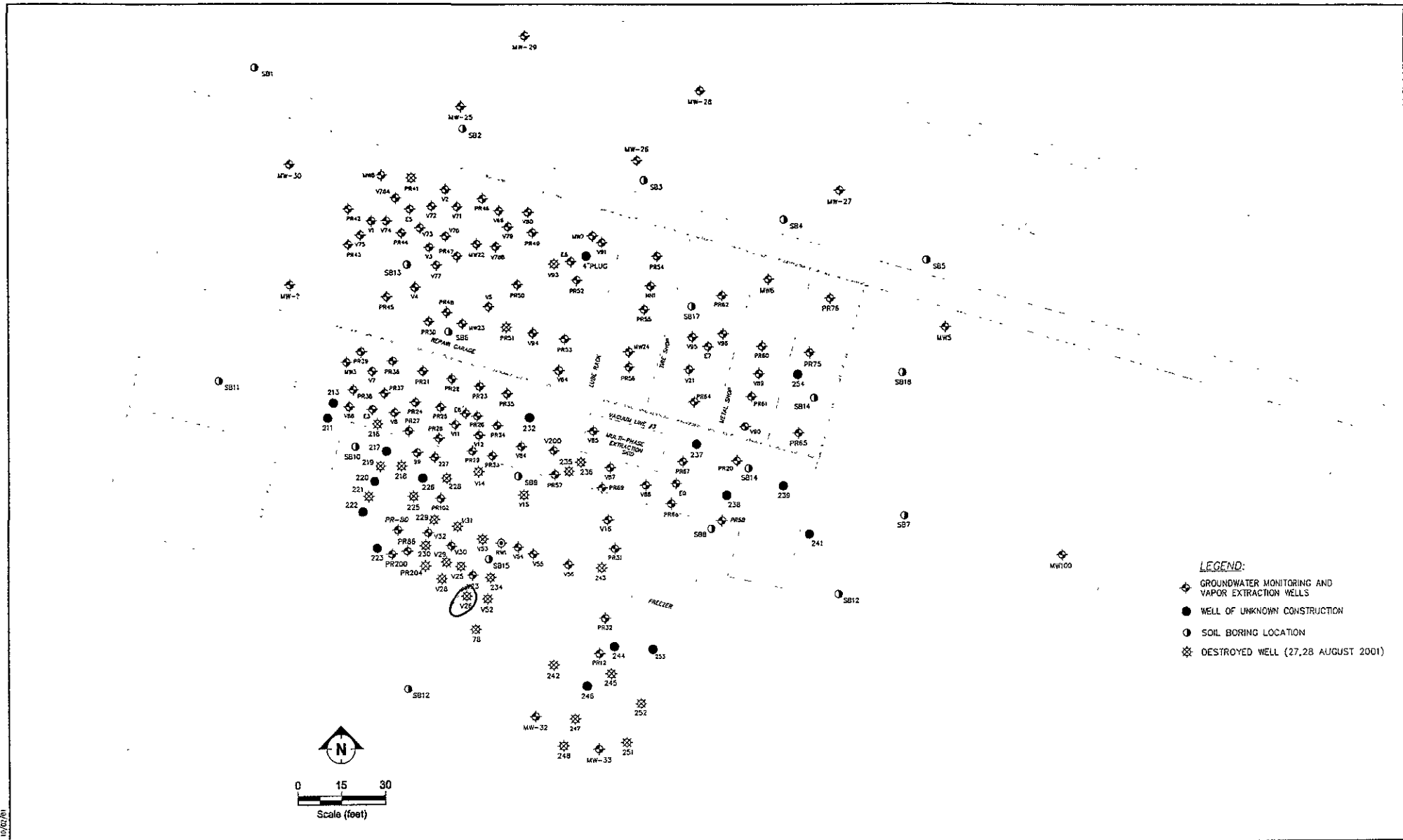
PLAN#_SITE01.DWG 10/02/01

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SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
 FORMER NESTLE OAKLAND FACILITY
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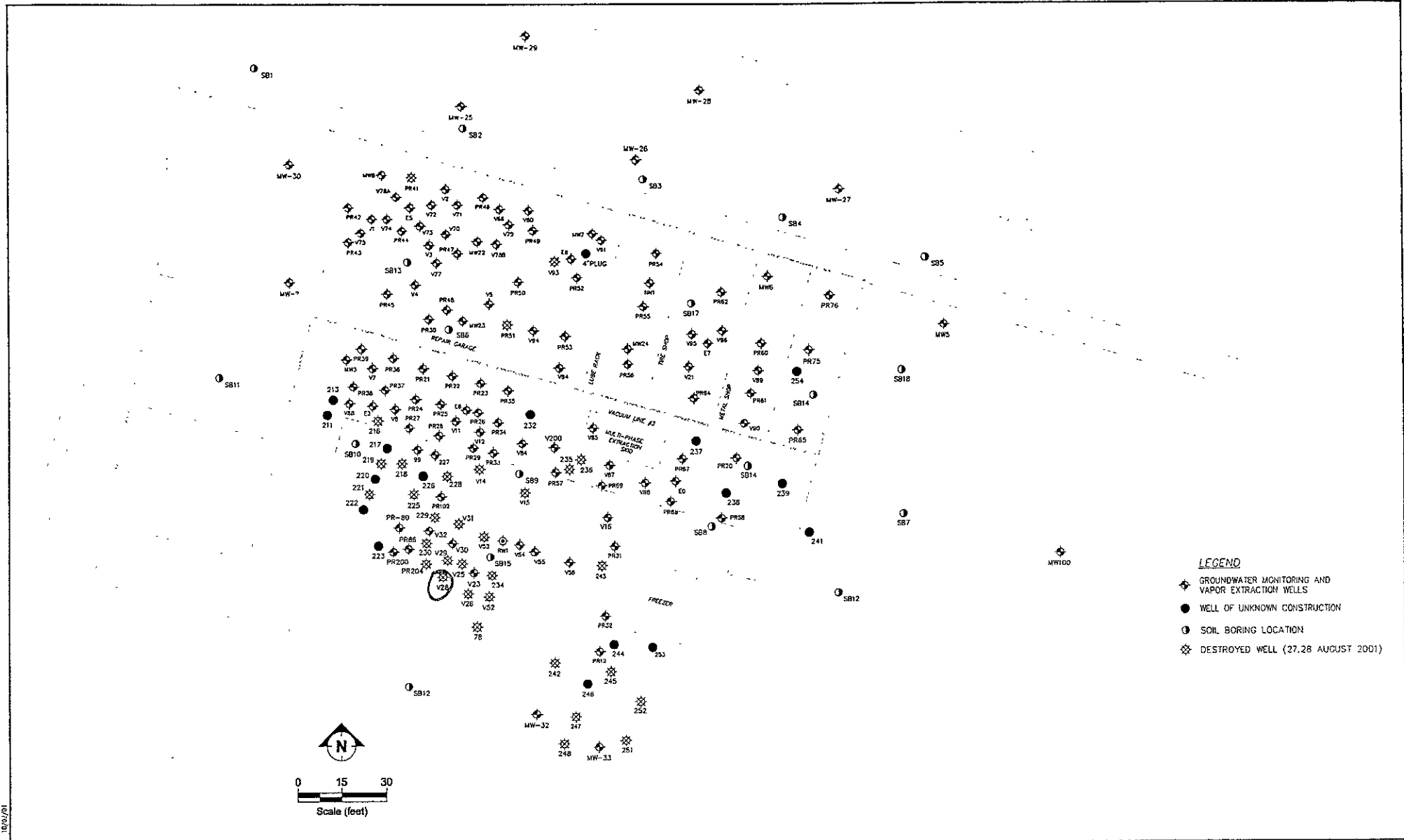
FIGURE:

10/07/01
 S:\10091.DWG

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REMOVED



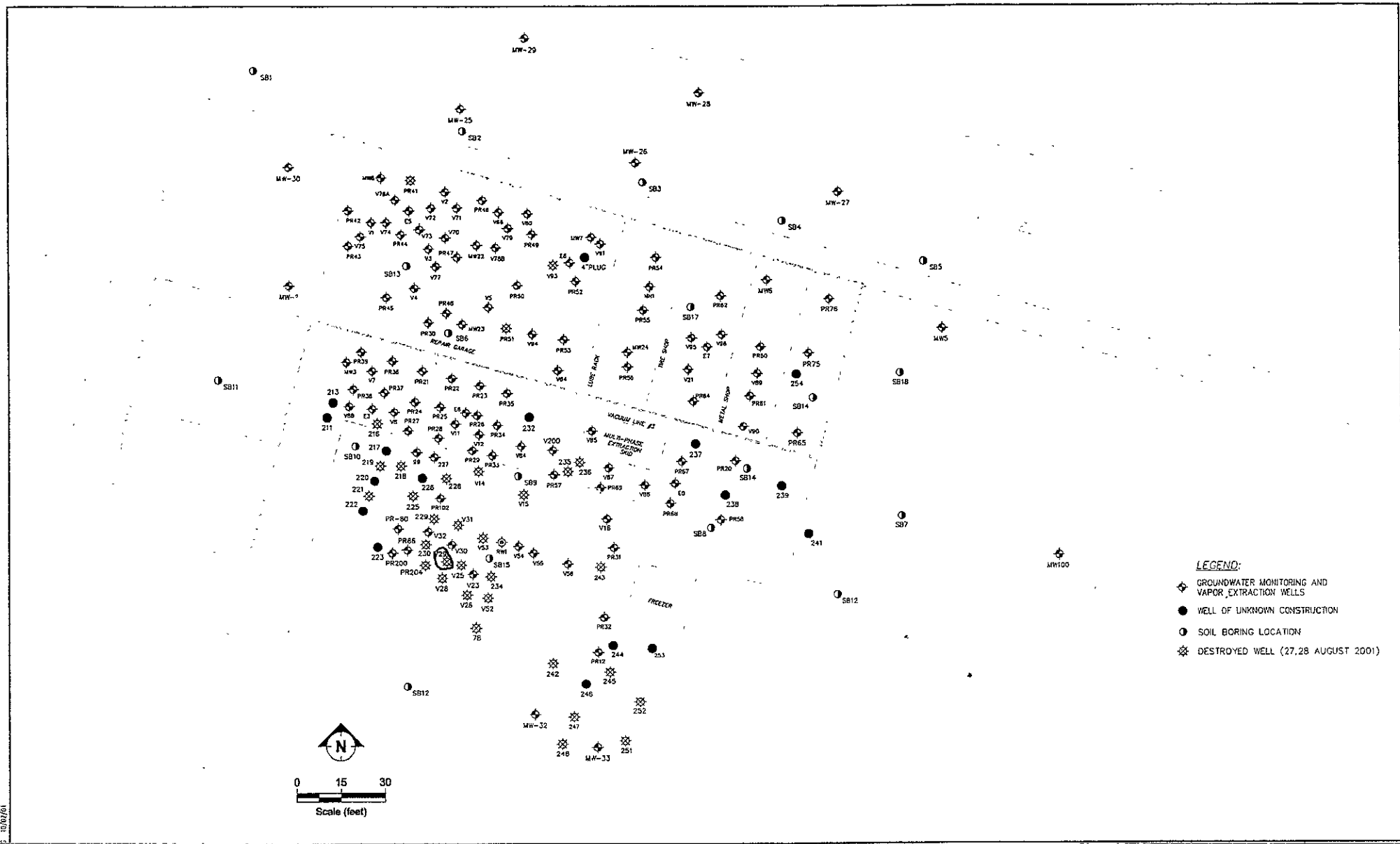
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
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FIGURE:

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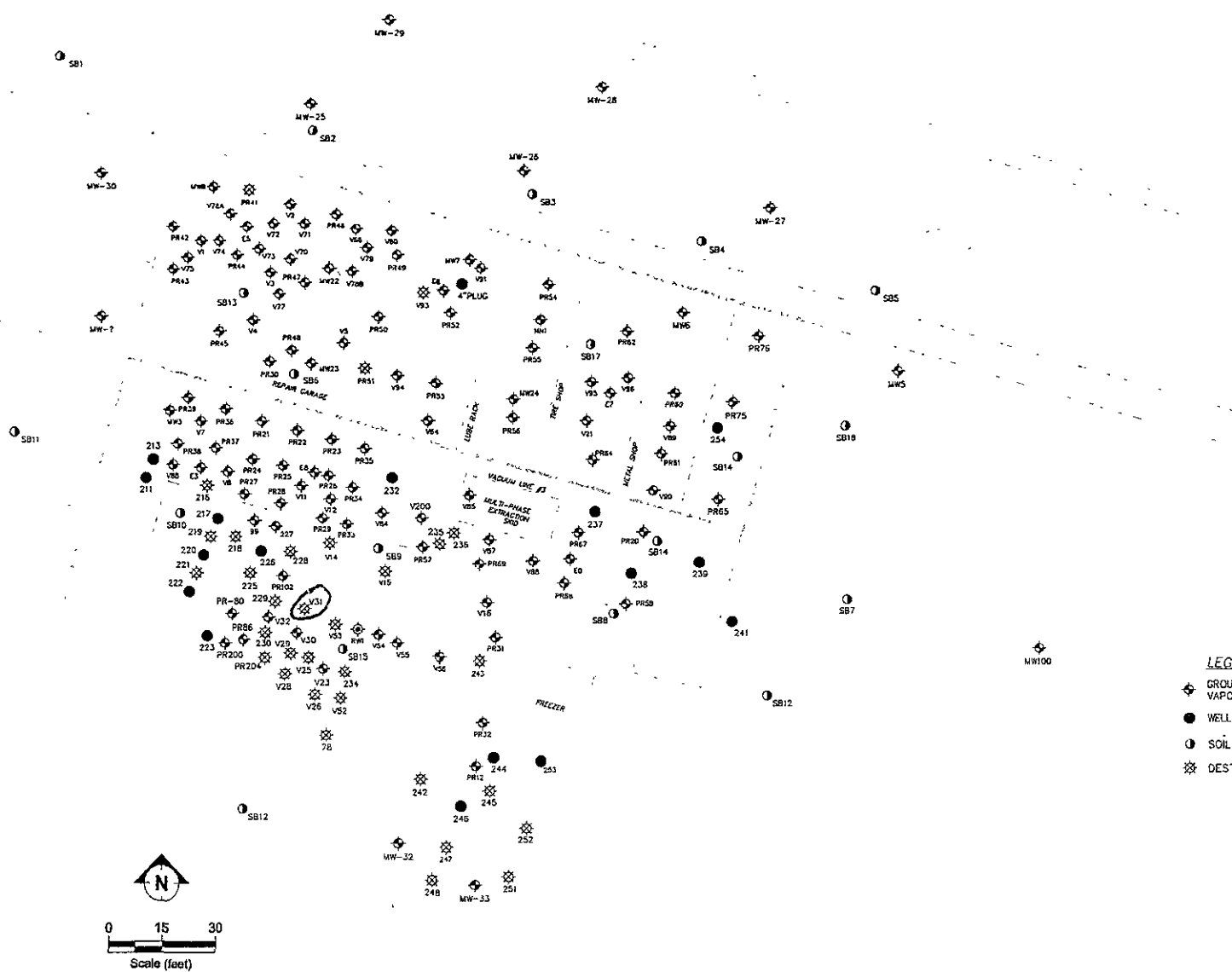
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
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FIGURE:

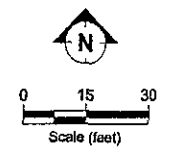
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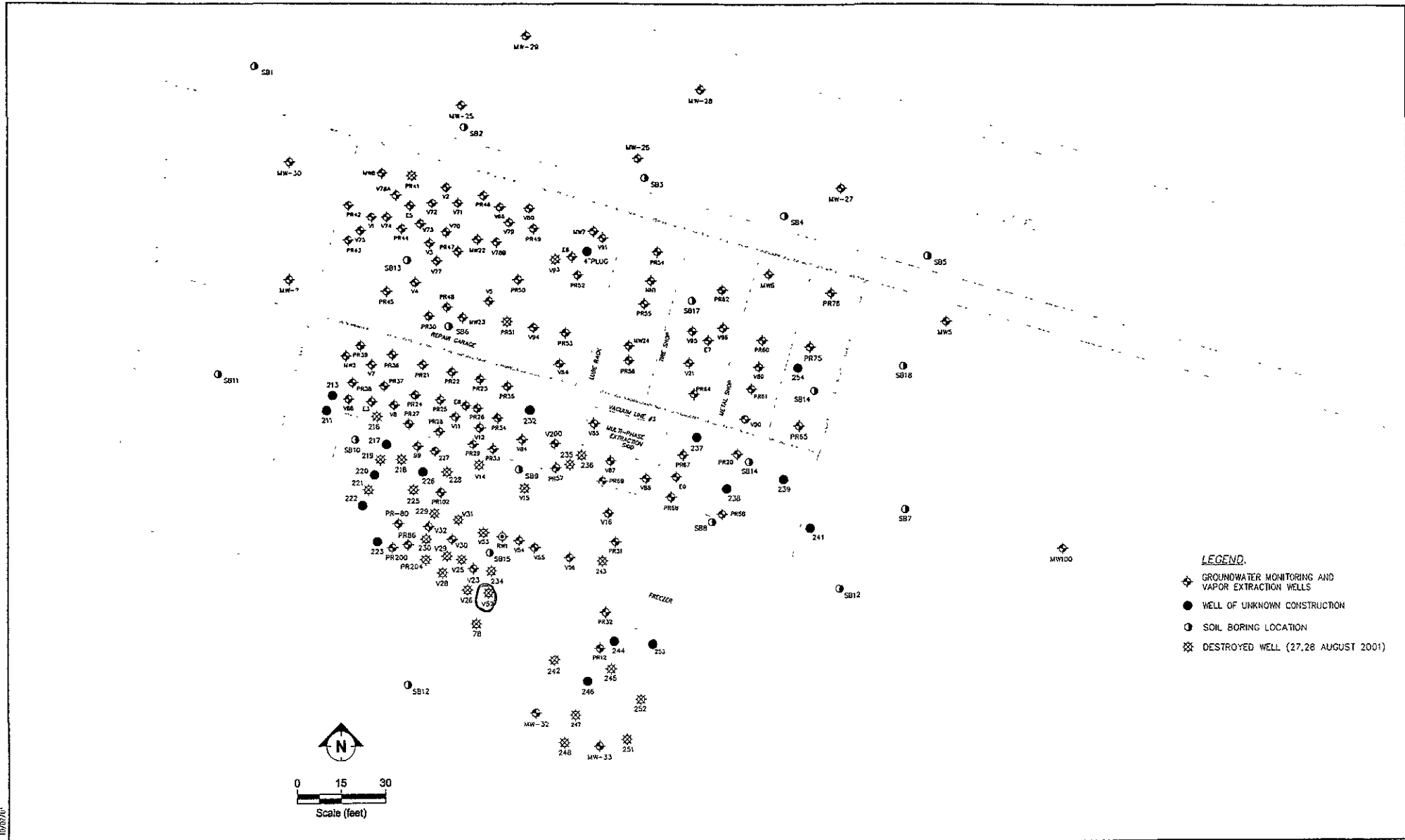
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
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FIGURE:

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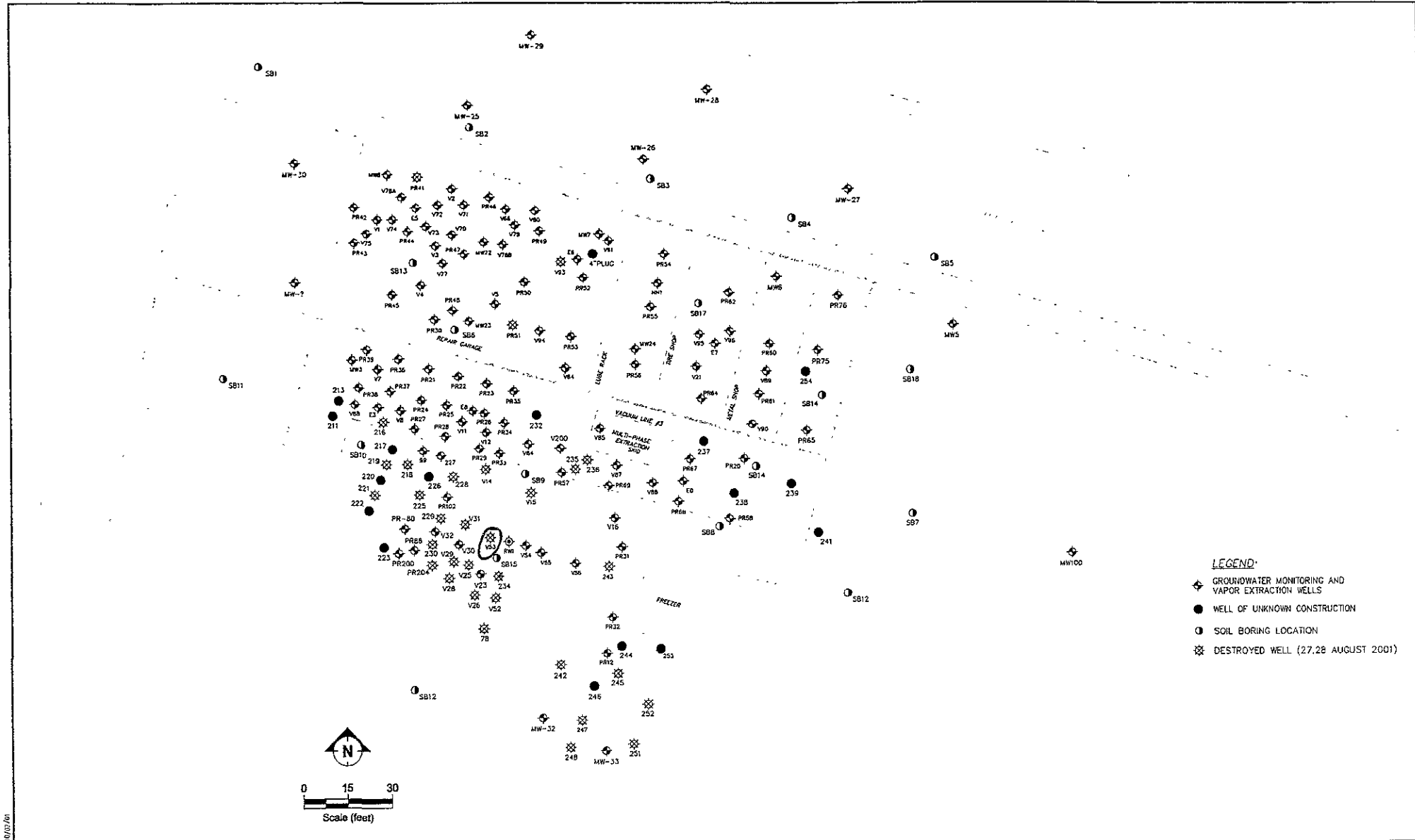
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
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FIGURE:

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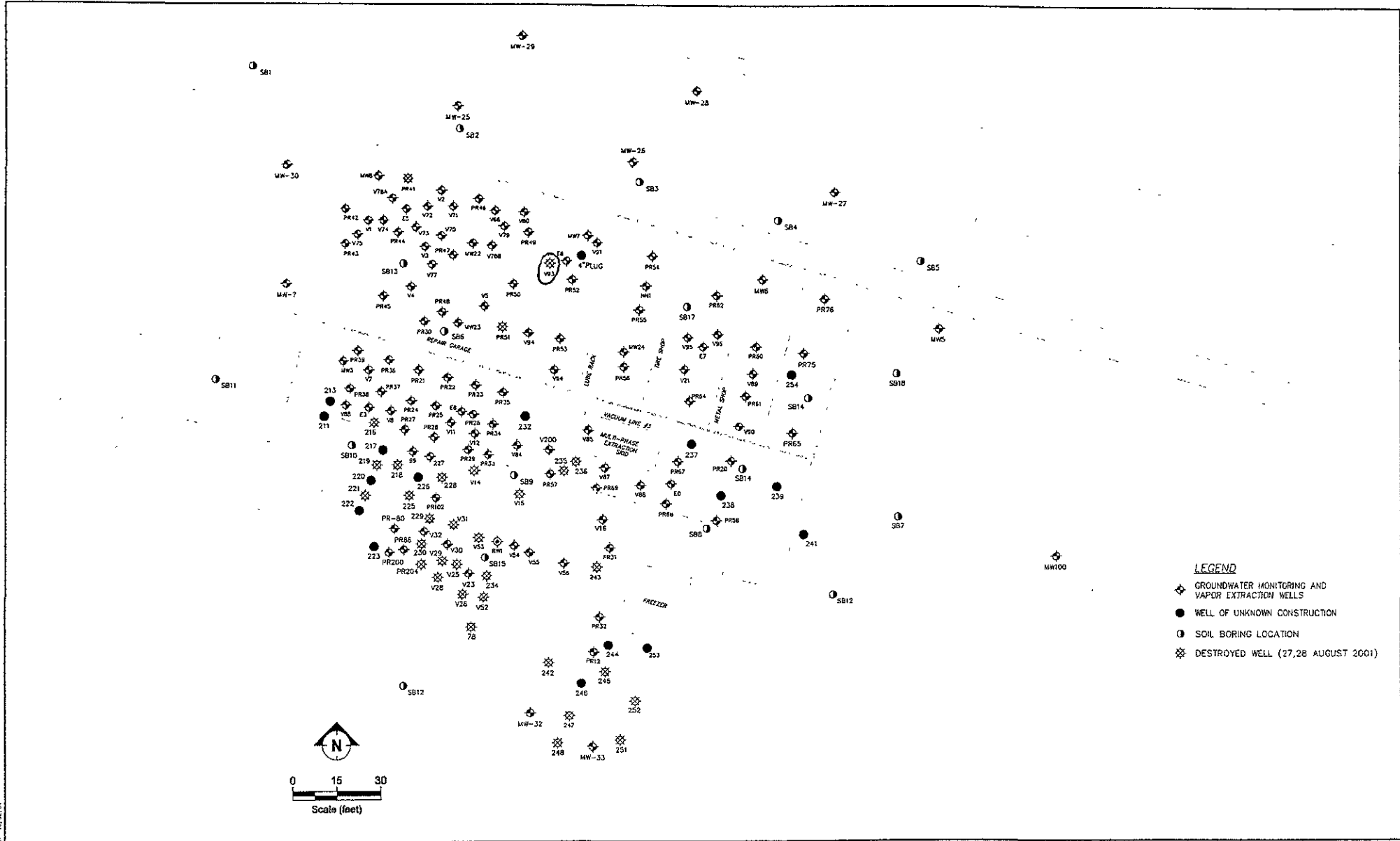
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PTL/IMP/ ST/ROD/CHK/ 10/02/00

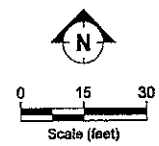
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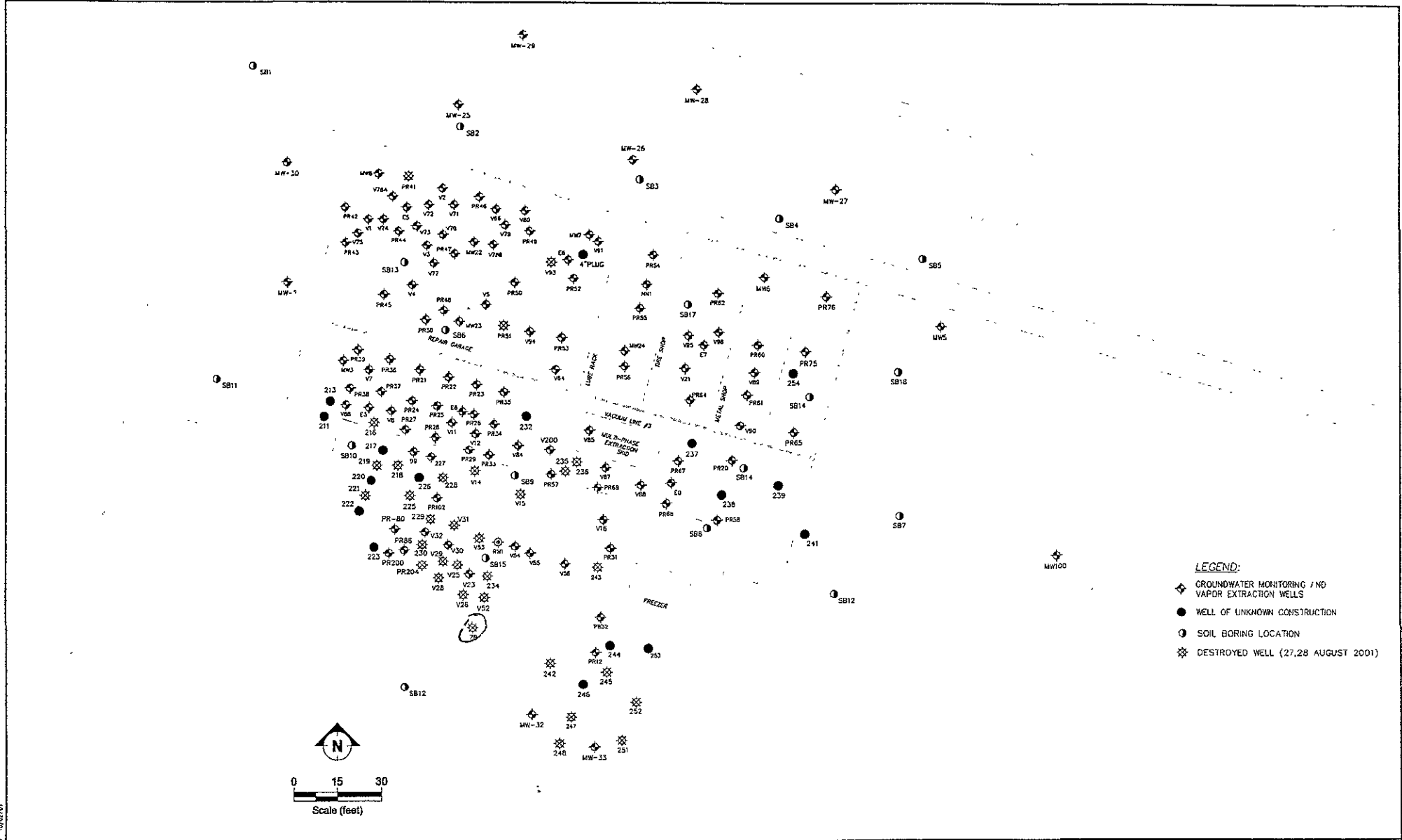
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
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FIGURE:

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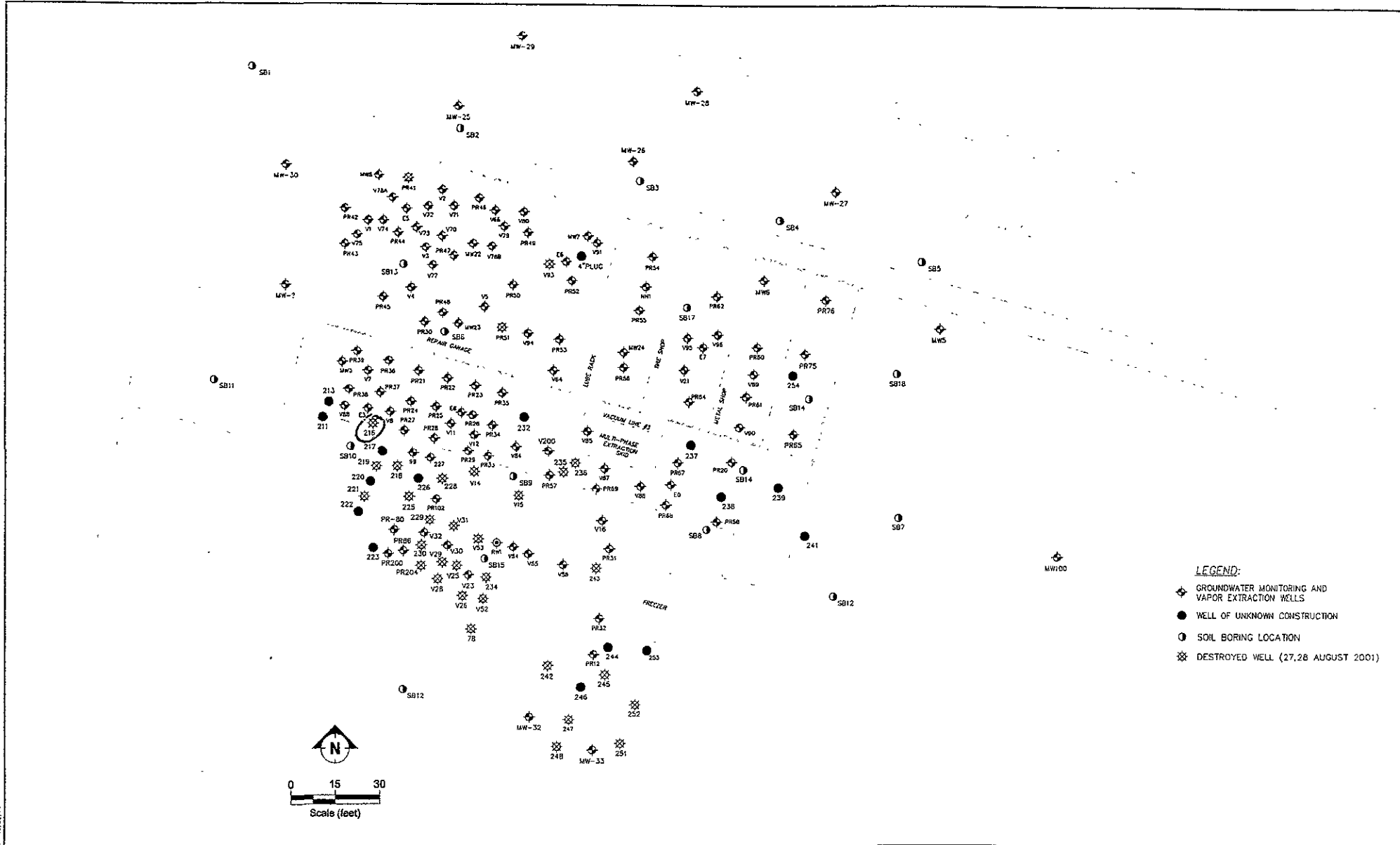
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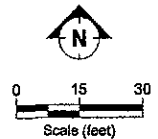
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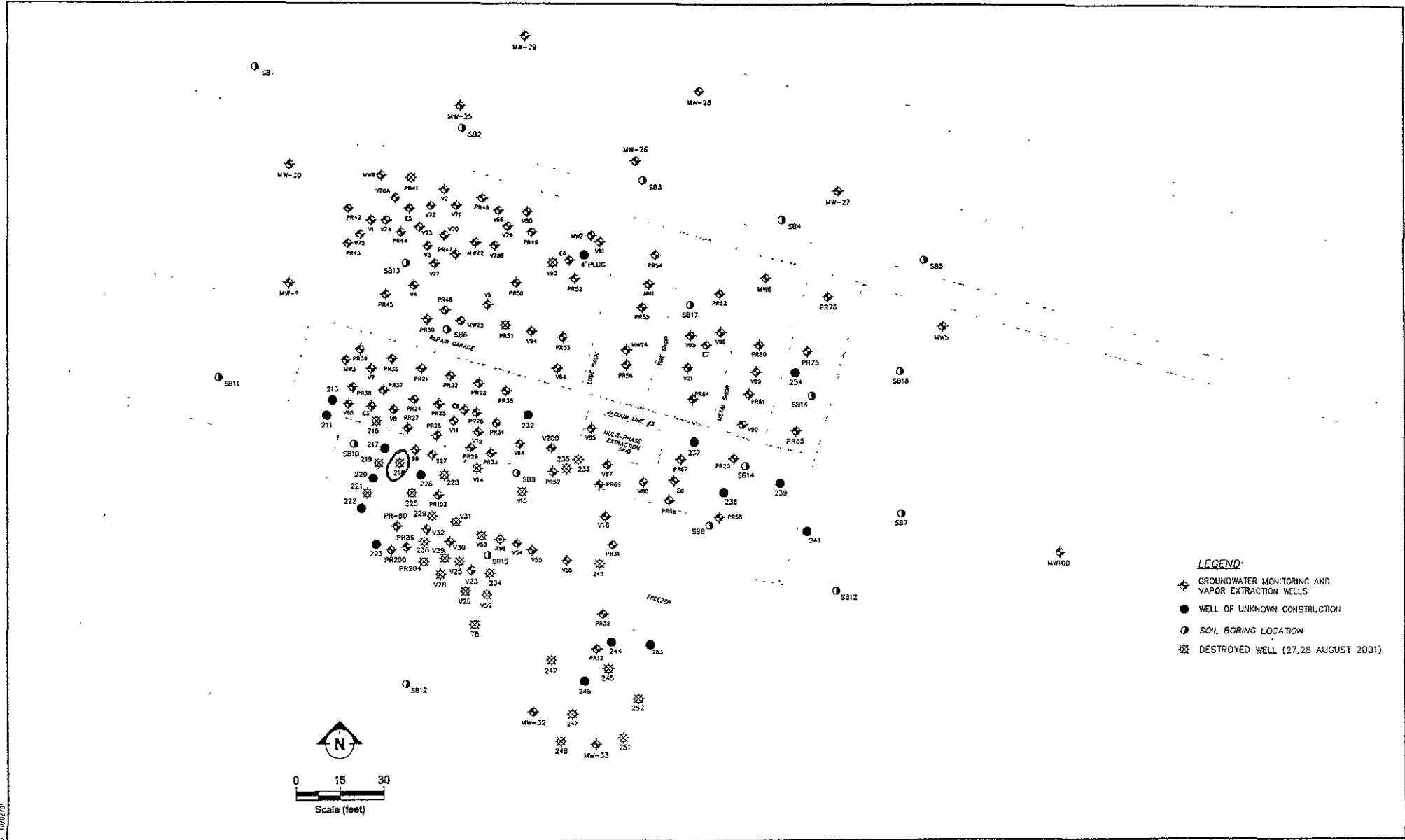
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
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 1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE:

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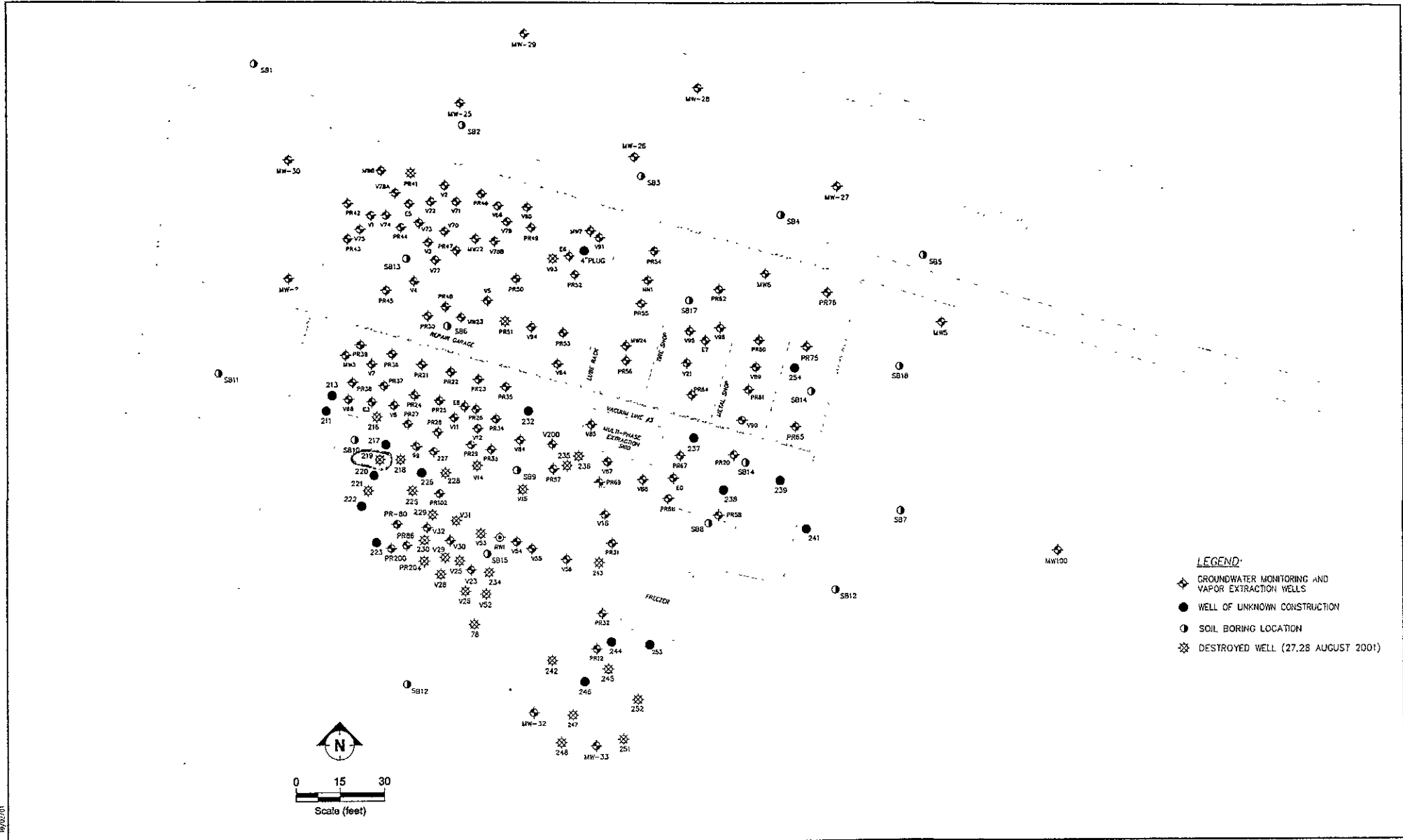
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
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FIGURE:

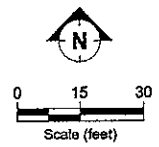
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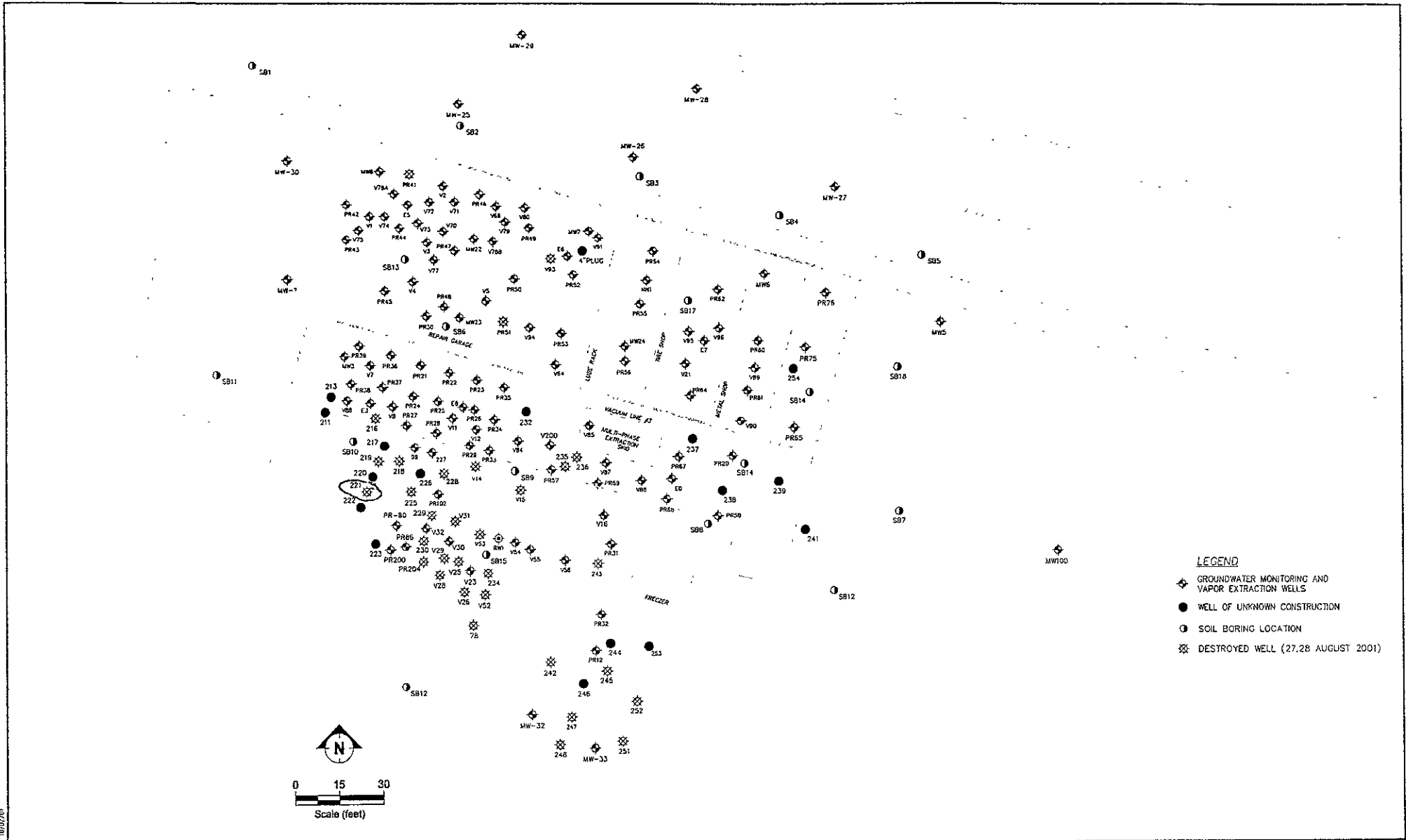
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
 FORMER NESTLE OAKLAND FACILITY
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FIGURE:

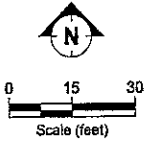
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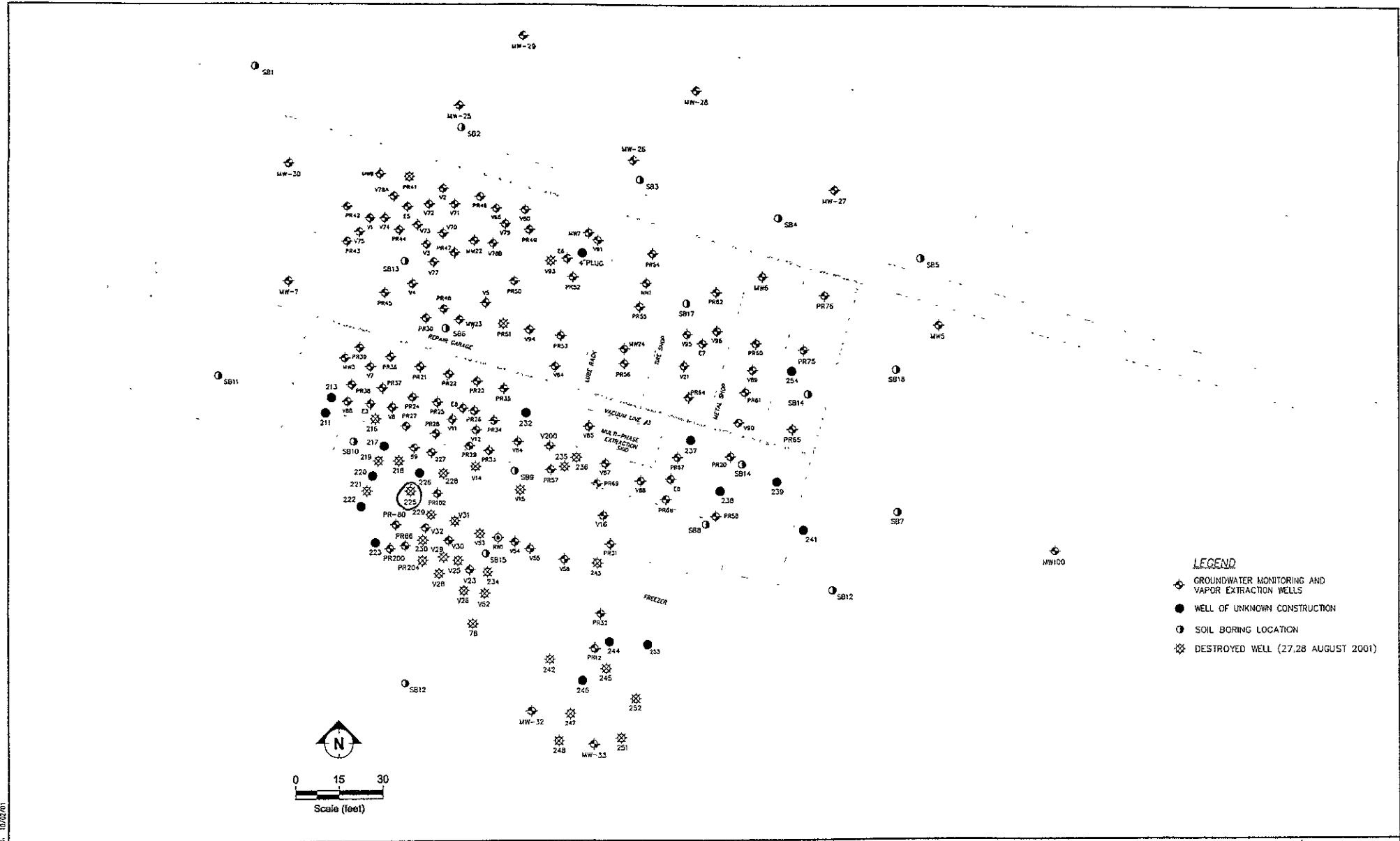
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
 FORMER NESTLE OAKLAND FACILITY
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FIGURE:

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

FIGURE:

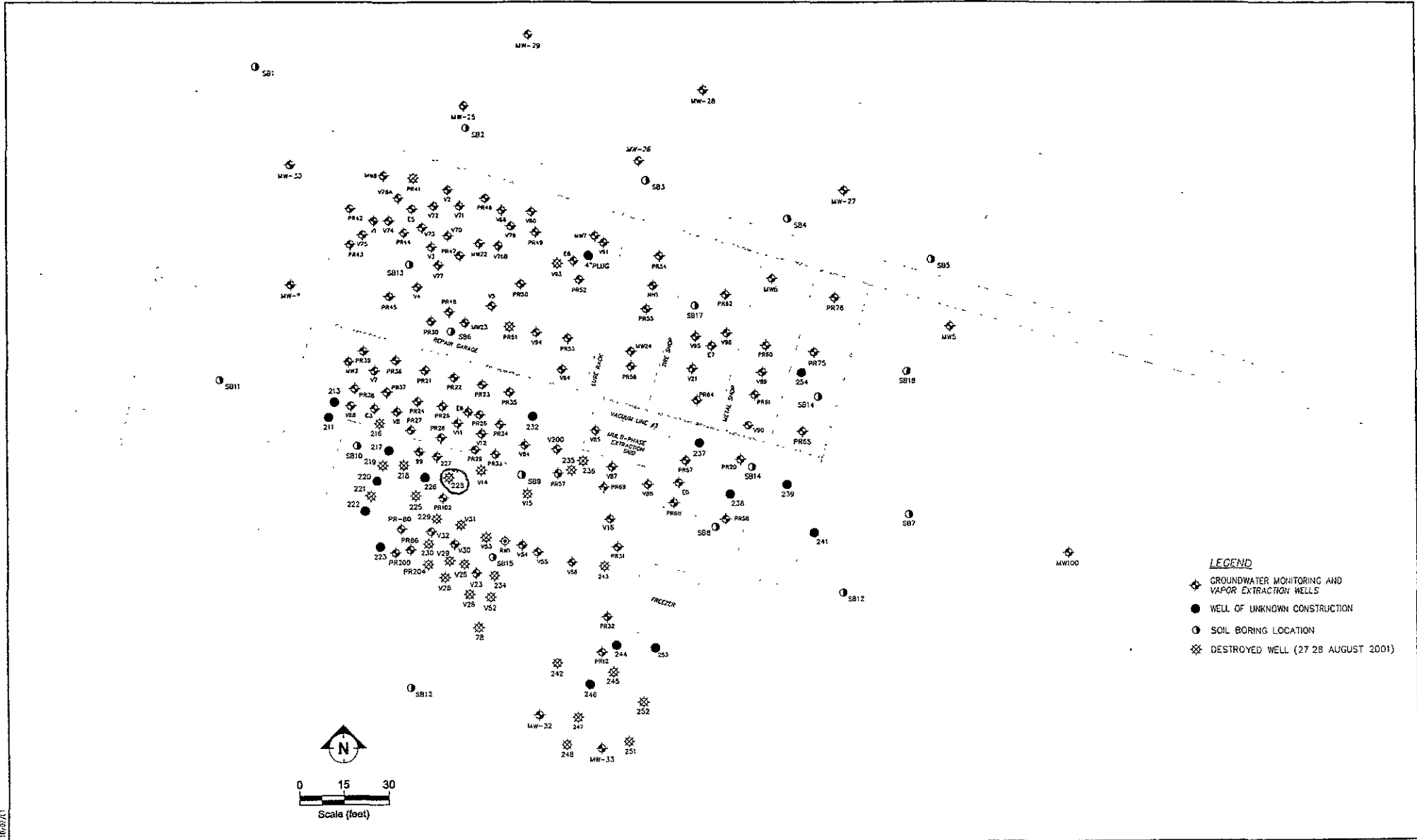
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SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
 FORMER NESTLE OAKLAND FACILITY
 1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE:

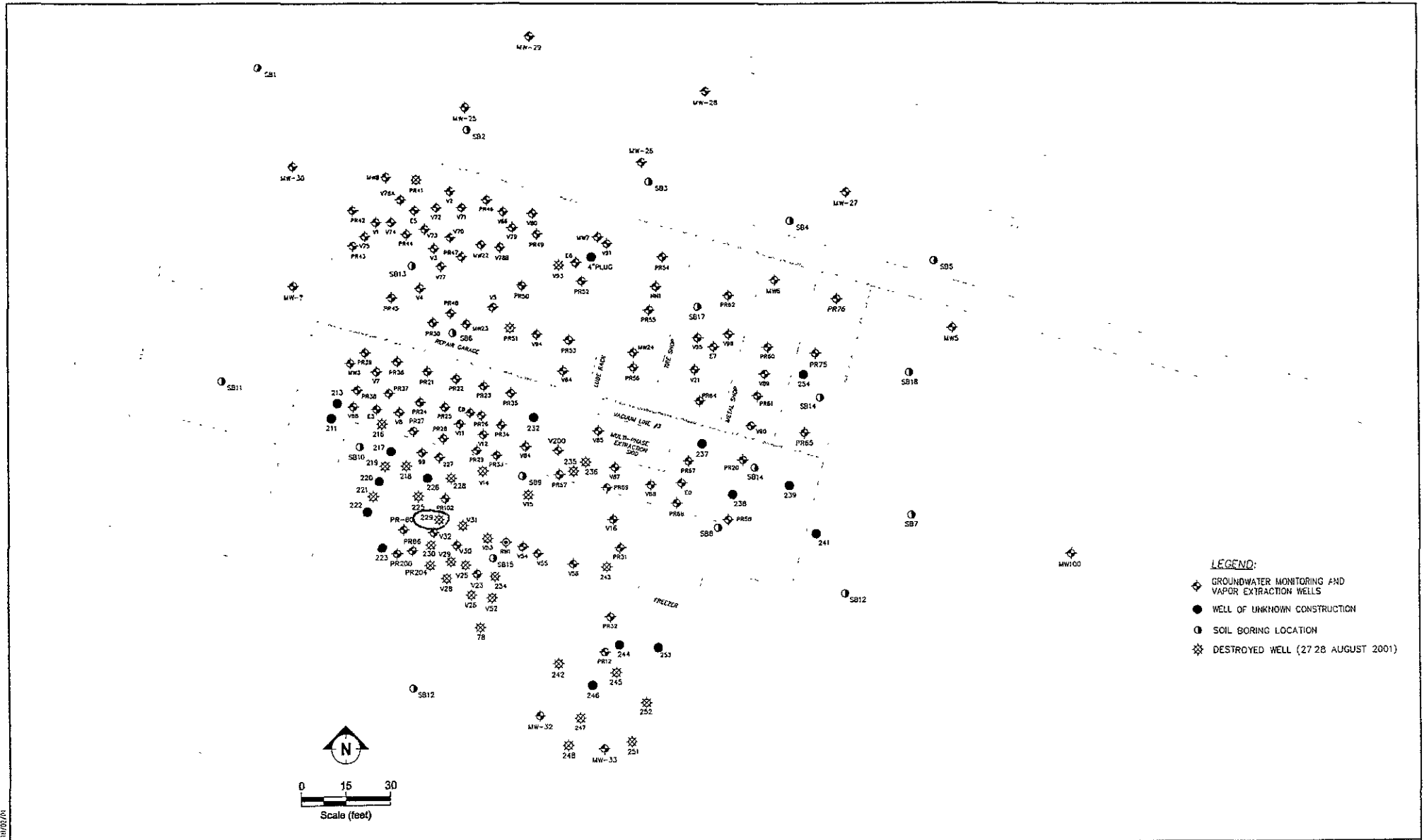
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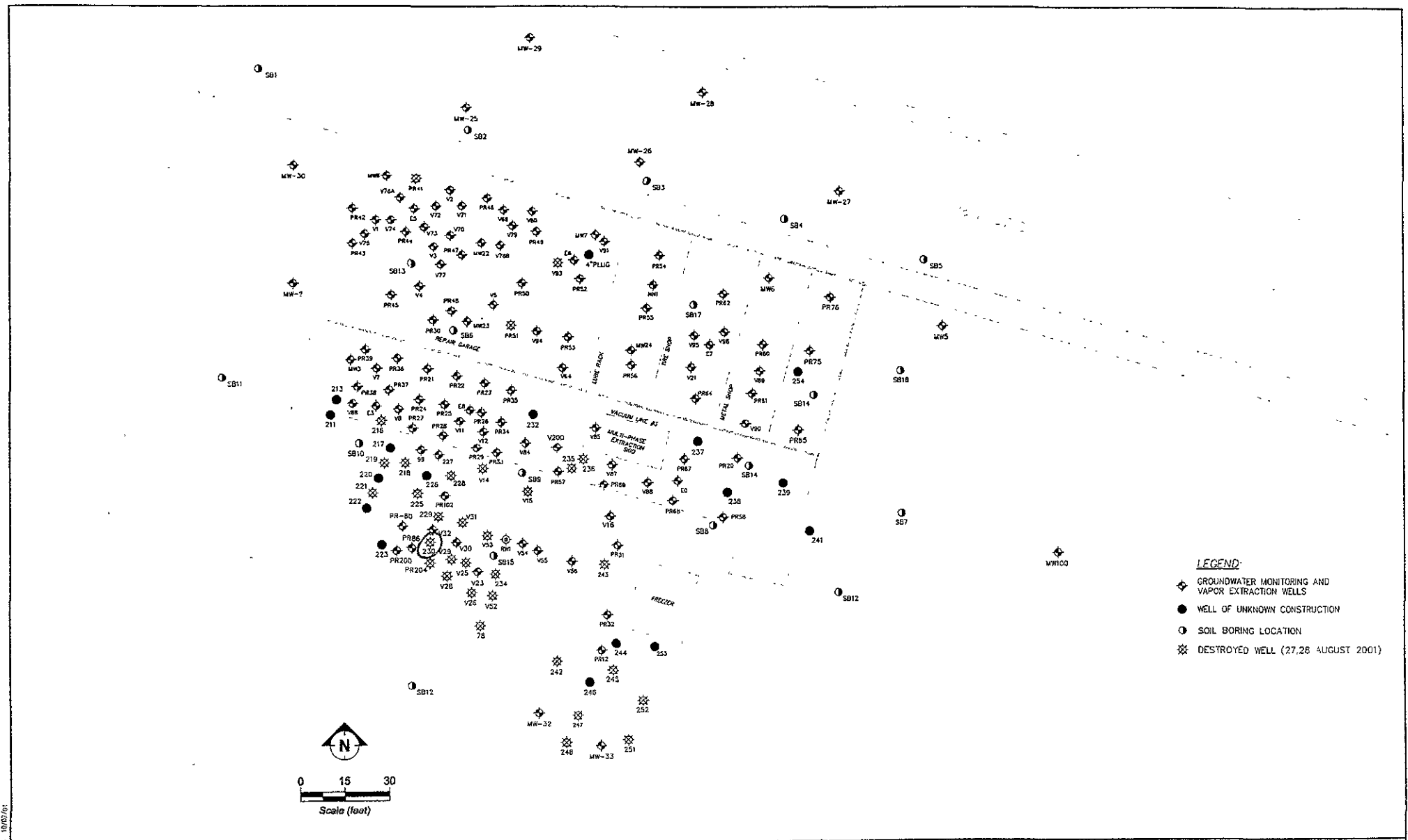
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10/02/PR

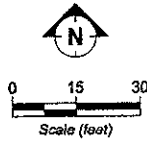
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FIGURE:

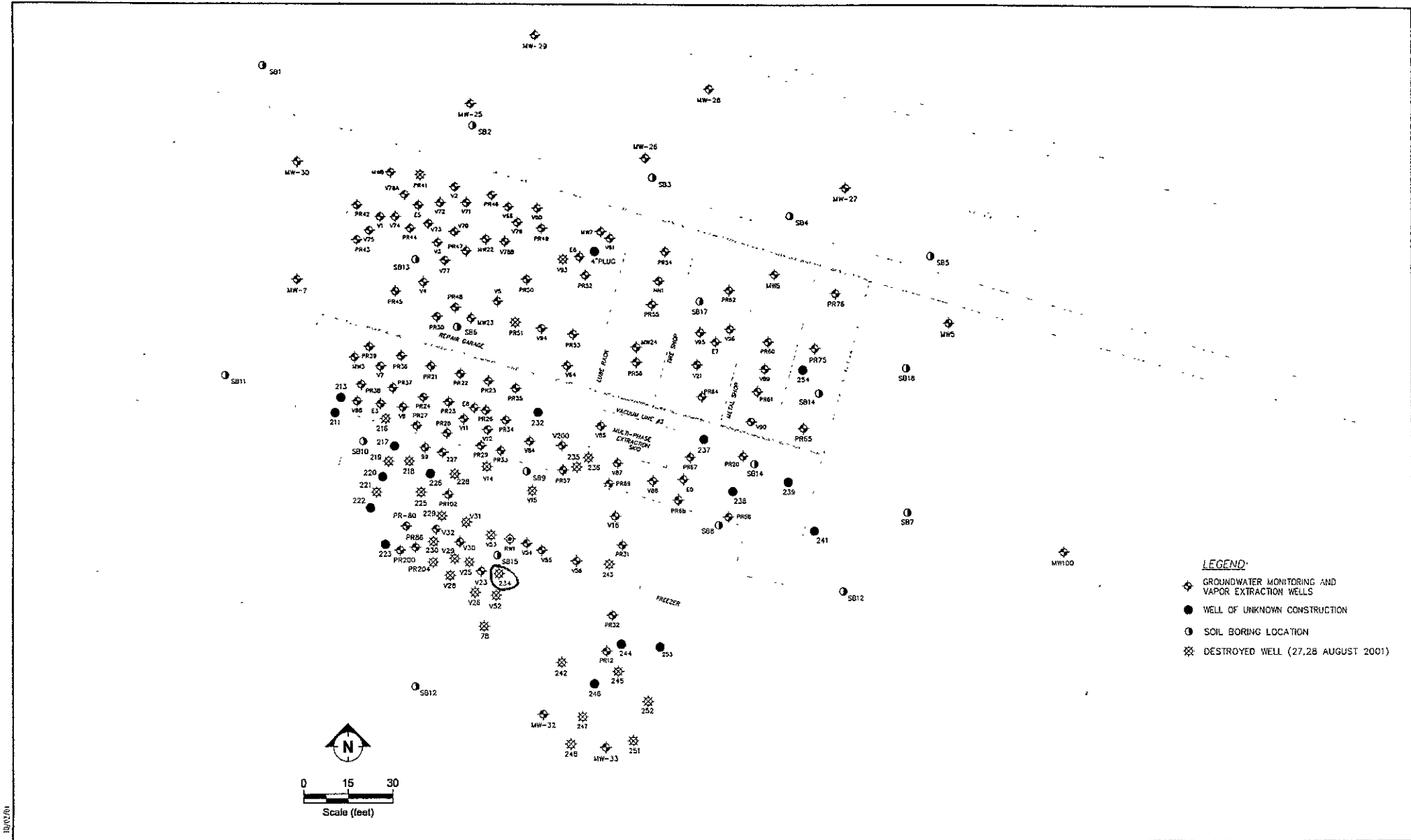
ETIC - SHEPARD INC. 10/07/01



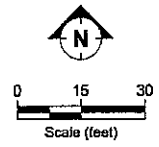
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 FORMER NESTLE OAKLAND FACILITY
 1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE:

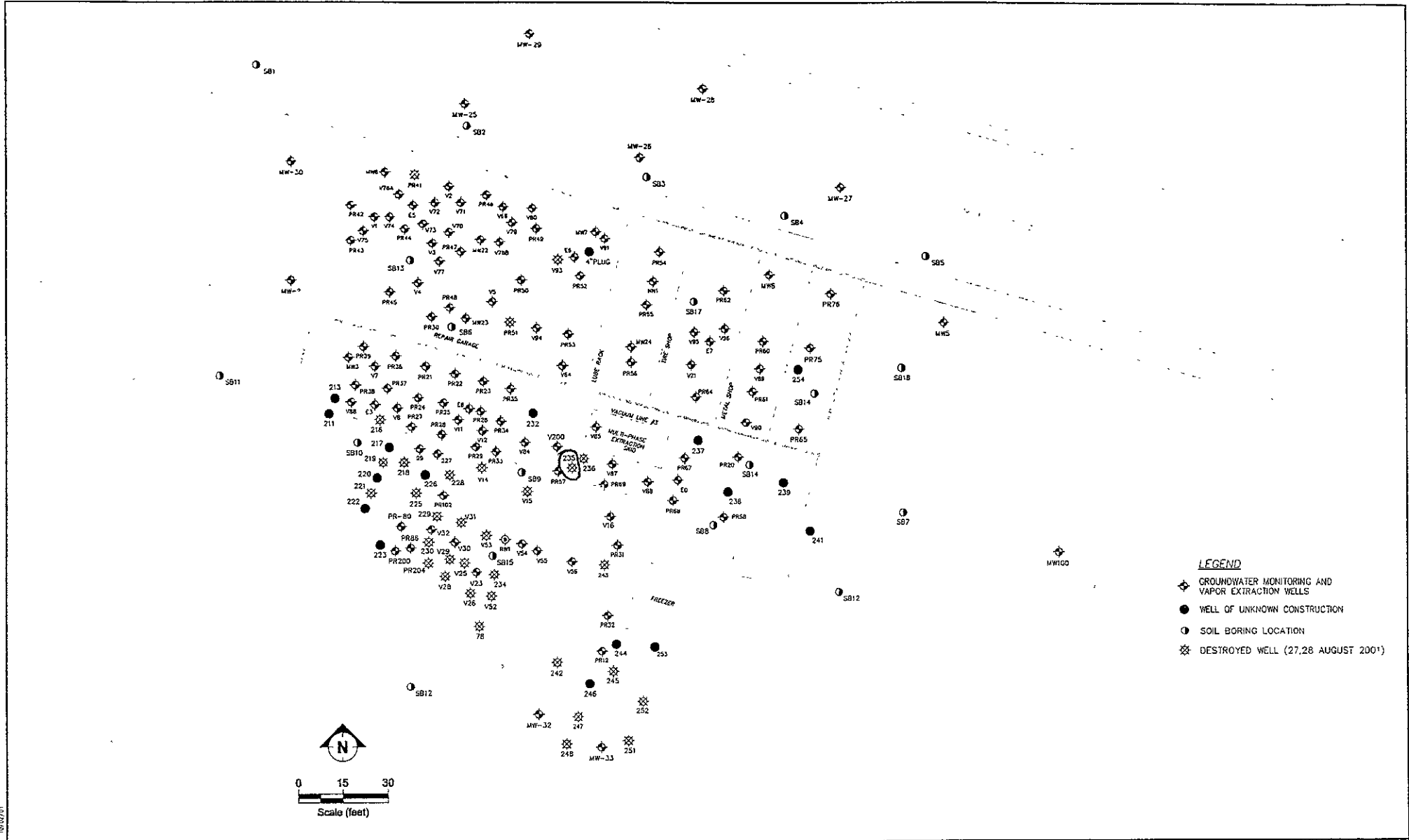
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SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
 FORMER NESTLE OAKLAND FACILITY
 1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE:

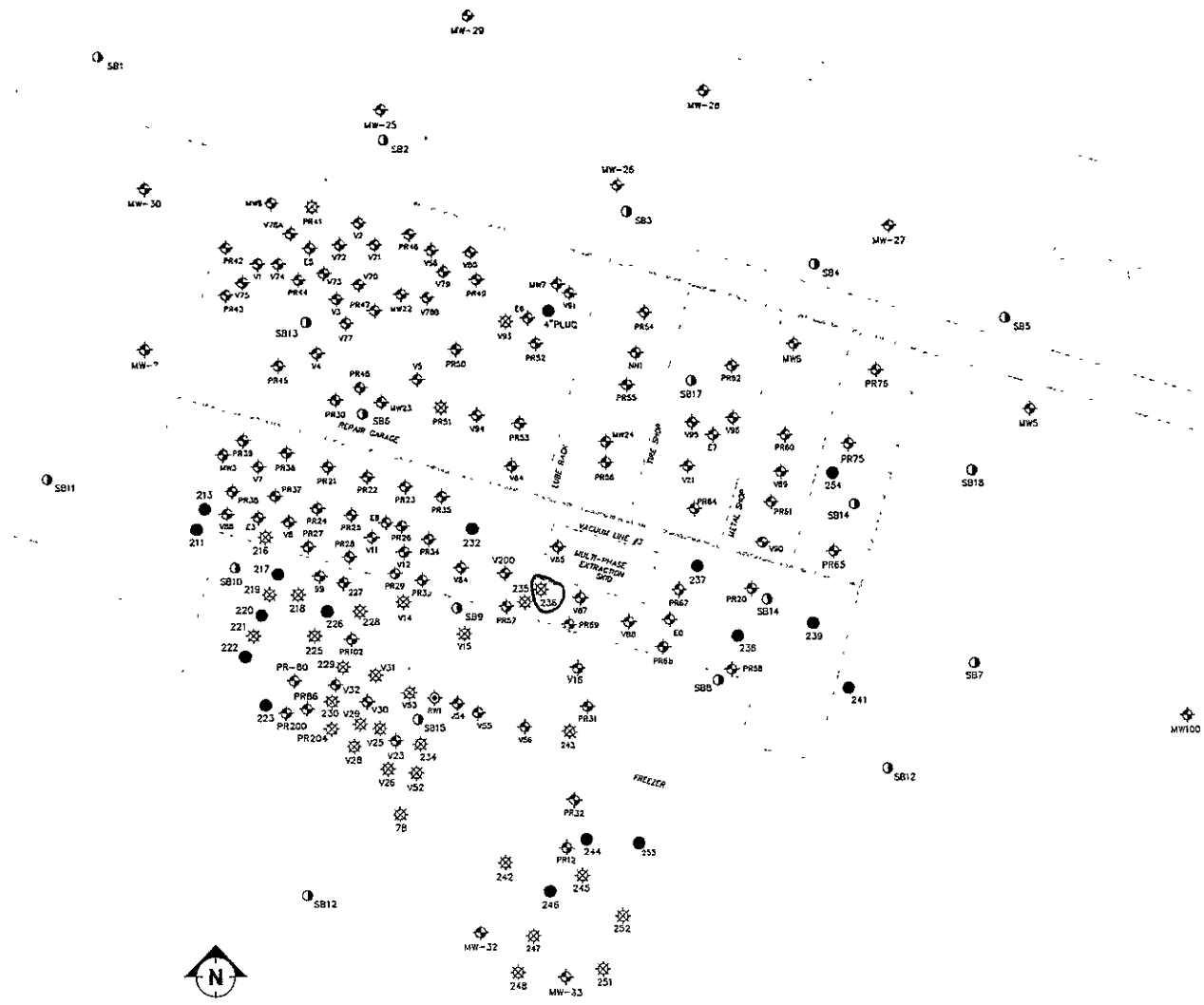
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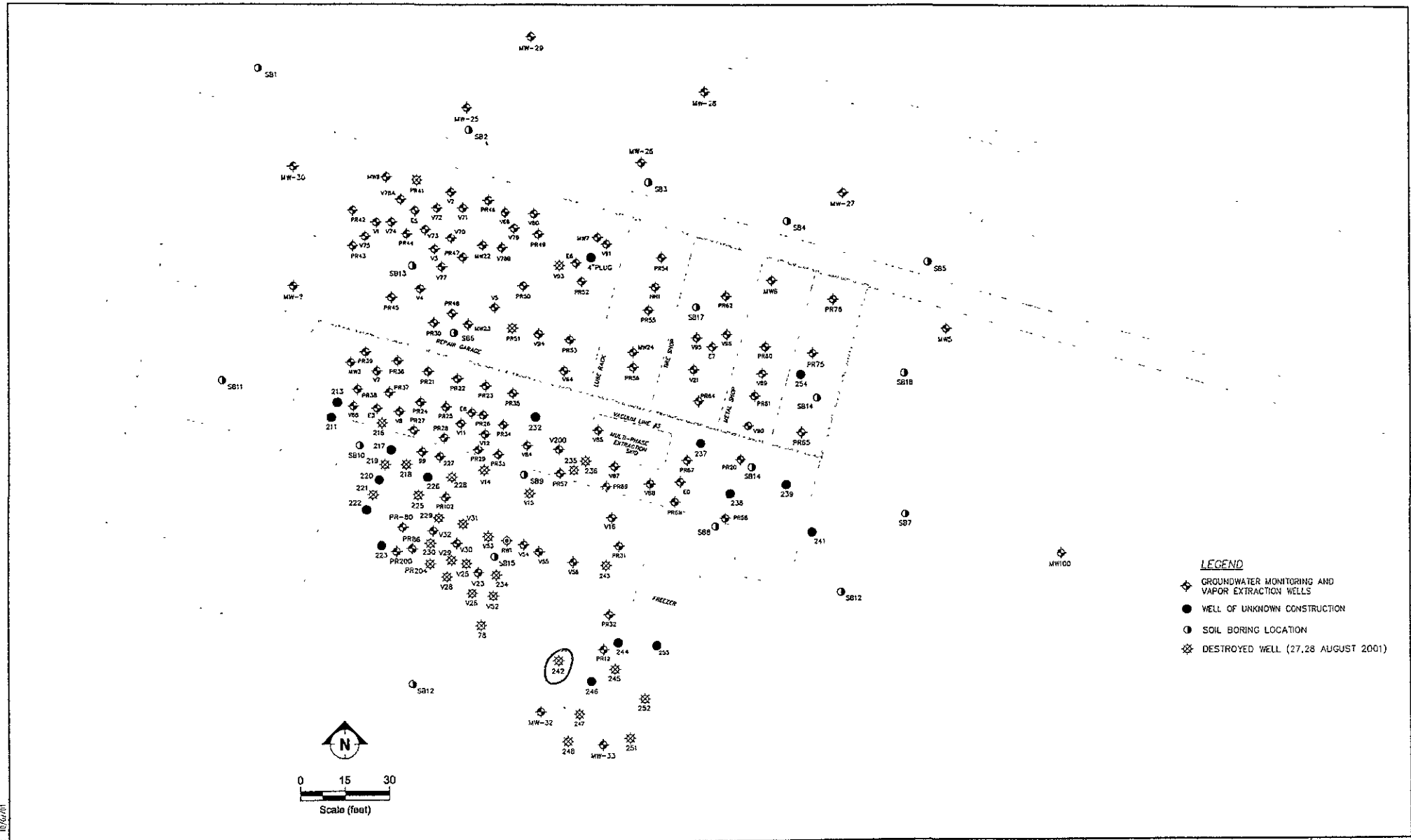
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
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 1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE:

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

FIGURE:

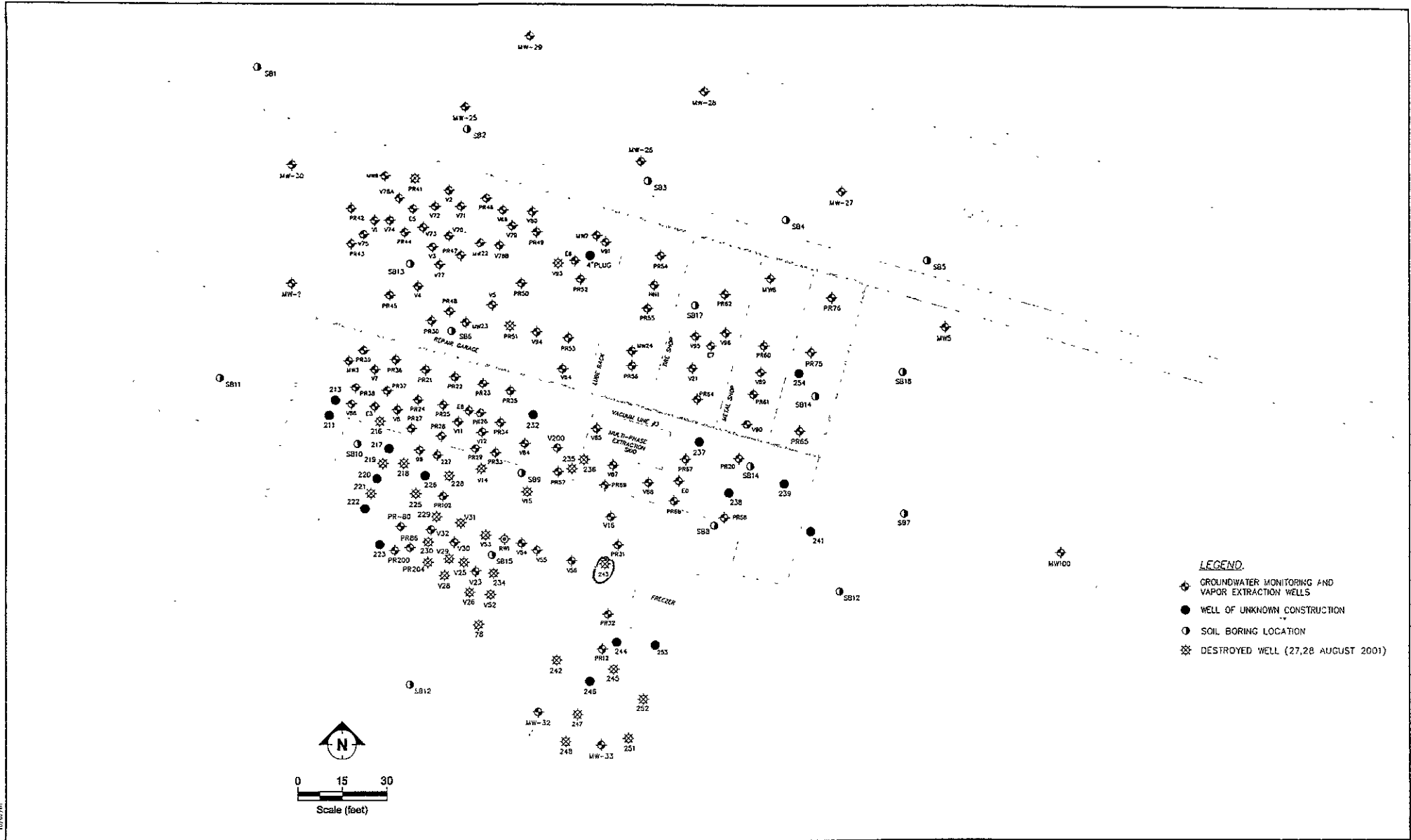
RETURN - SHIP TO: L&E 10/26/01

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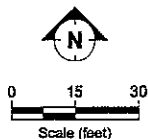
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 FORMER NESTLE OAKLAND FACILITY
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FIGURE:

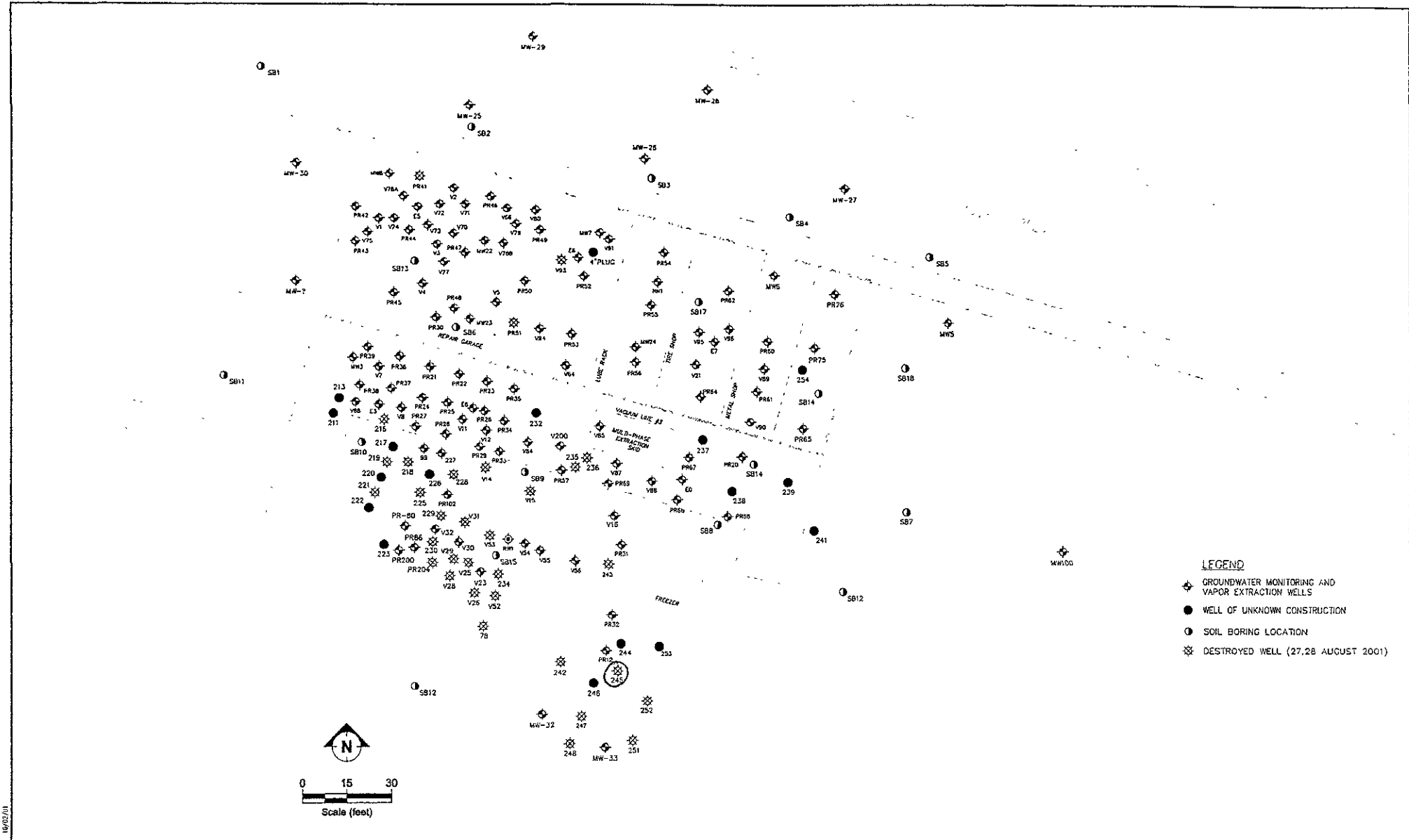
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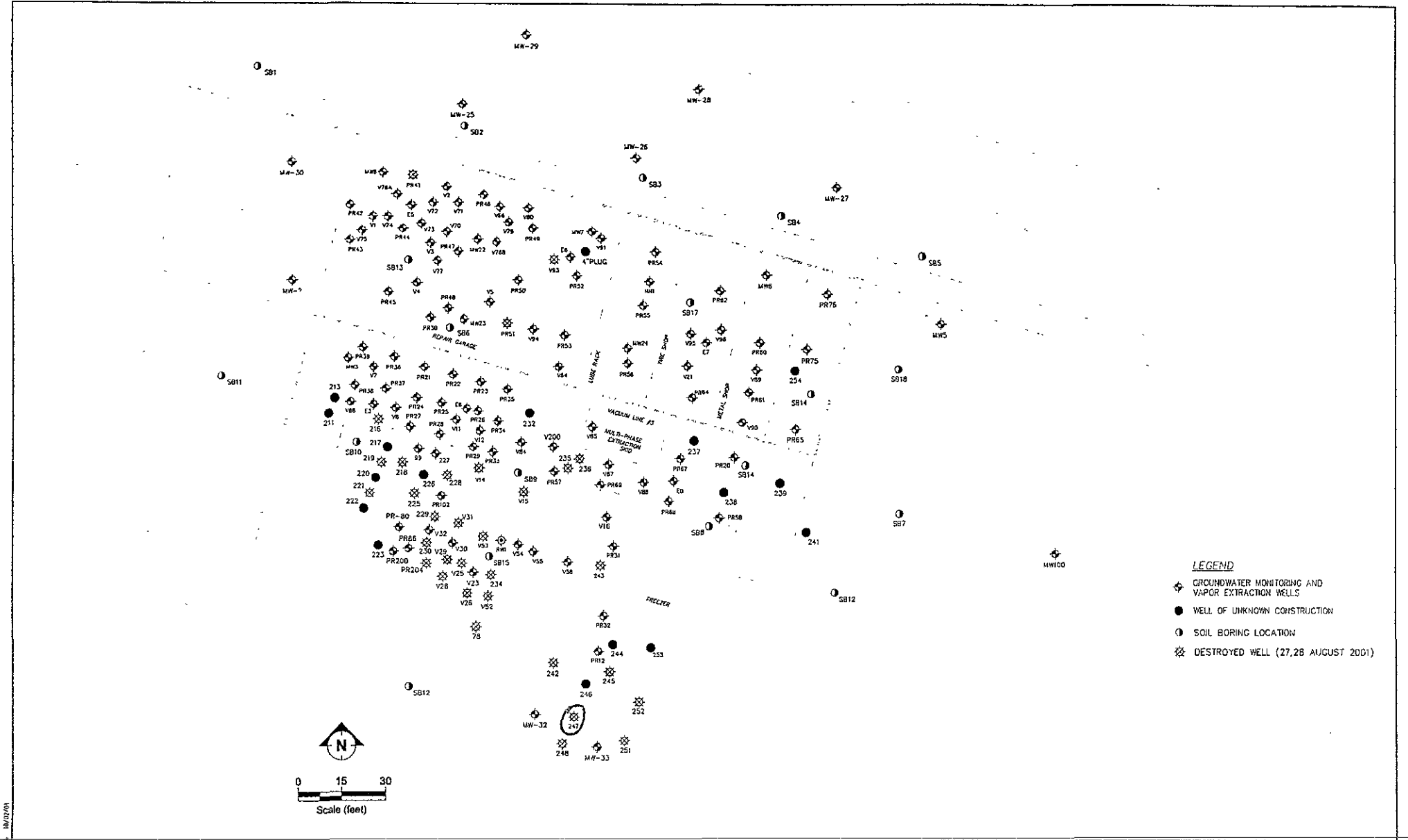
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
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FIGURE:

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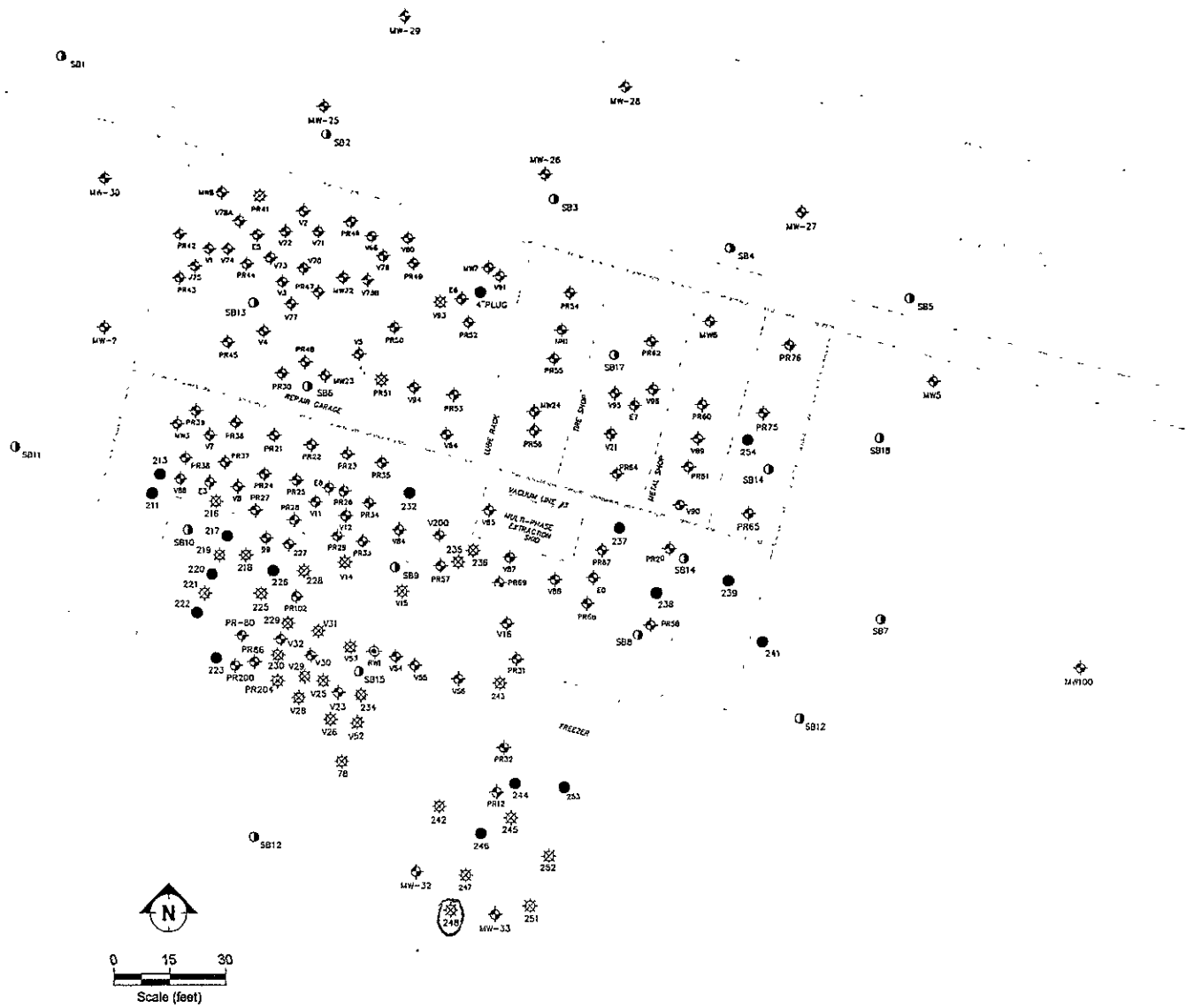
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FIGURE:

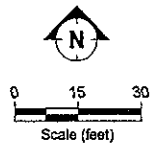
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 - ⊙ SOIL BORING LOCATION
 - ◆⊙ DESTROYED WELL (27.28 AUGUST 2001)



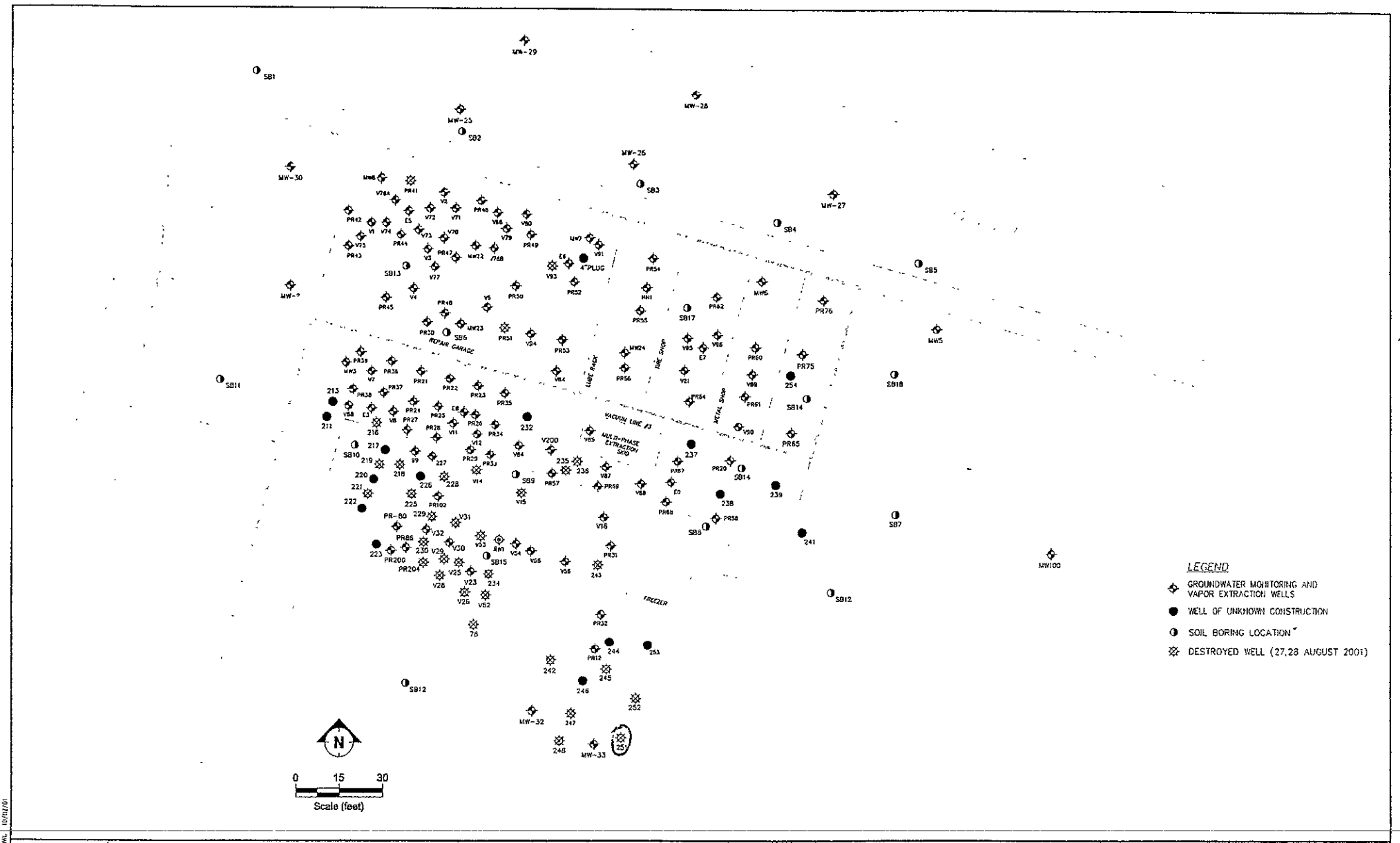
SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
 FORMER NESTLE OAKLAND FACILITY
 1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE:

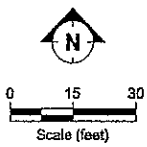
CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



- LEGEND**
- ◆ GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
 - WELL OF UNKNOWN CONSTRUCTION
 - SOIL BORING LOCATION
 - ★ DESTROYED WELL (27.28 AUGUST 2001)



SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
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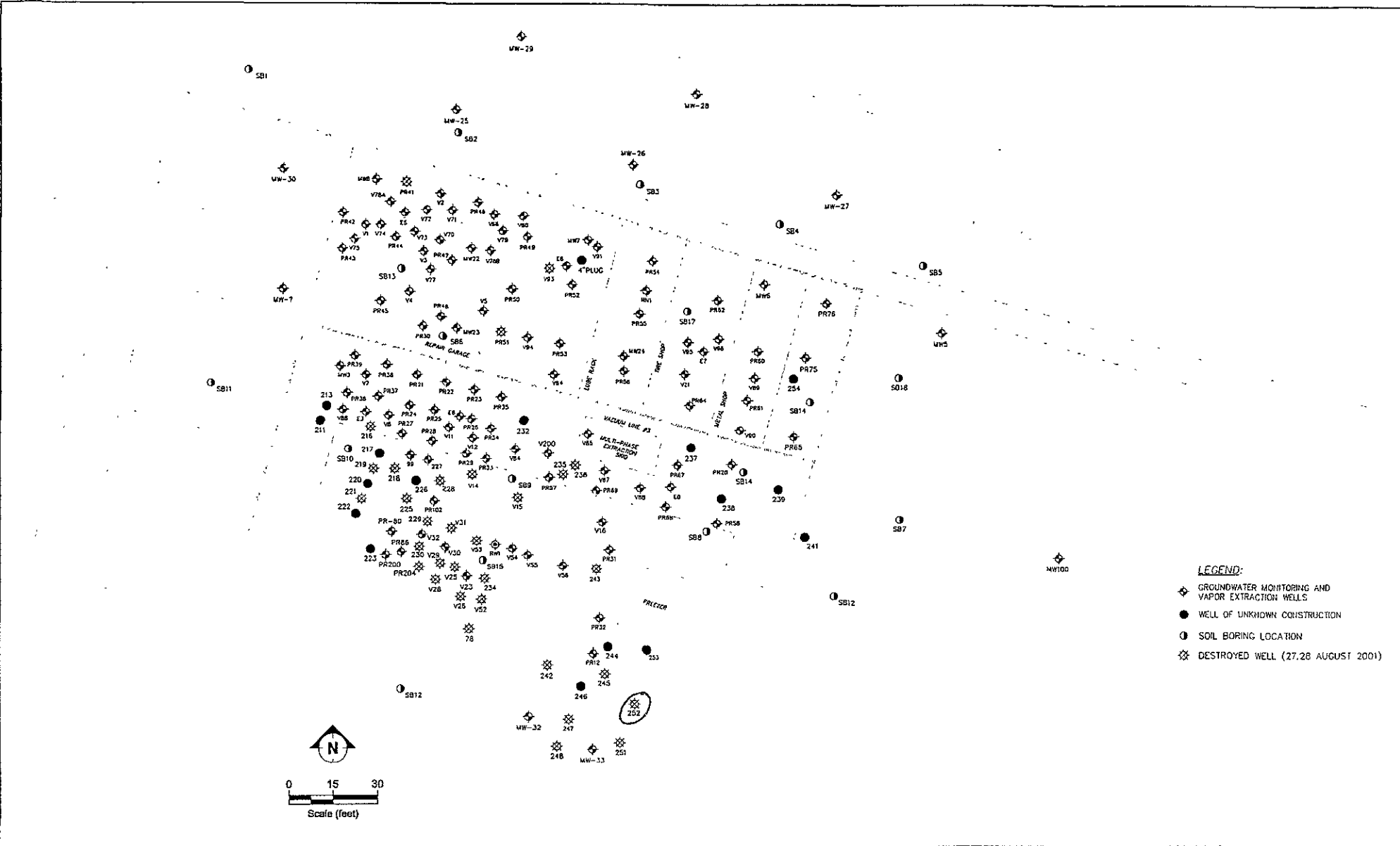
FIGURE:

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

FILE NAME: SITEPLAN.DWG 10/02/01



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Engineering, Inc.

SITE PLAN SHOWING DESTROYED WELLS - AUGUST 2001
FORMER NESTLE OAKLAND FACILITY
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FIGURE: