Abandonment and Sealing of Monitoring and Extraction Wells East Bay Bridge Center, Yerba Buena Avenue and Hollis Street, Emeryville and Oakland, Alameda County, California Catellus Parcels CA0010598 and CA0010603

> 001-01649-04 June 28, 2004

Prepared for Catellus Finance 1, LLC 201 Mission Street San Francisco, California





June 28, 2004

001-01649-04

Mr. Stephen A. Hill California Regional Water Quality Control Board 1515 Clay Street, Suite 1400 Oakland, California 94612

Attention: Ms. Betty Graham

Subject:

Abandonment and Sealing of Monitoring and Extraction Wells, East Bay Bridge

Center, Yerba Buena Avenue and Hollis Street, Emeryville and Oakland, Alameda County, California, Catellus Parcels CA0010598 and CA0010603

Dear Mr. Hill and Ms. Graham:

The enclosed report is submitted on behalf of Catellus Finance 1, LLC, to comply with the June 2, 2002 letter of no further action, which requested documentation of the closure of wells associated with the investigation and remedial action at the East Bay Bridge Center in Emeryville and Oakland, California.

If you have any questions or comments, please call either of the undersigned at (510) 652-4500.

Sincerely,

Ron Goloubow

Senior Geologist

John C. Keeler Project Scientist

Enclosure

cc: James Yoo, Alameda County Public Works Agency Jeffrey Austin, Catellus Finance 1, LLC

CONTENTS

1.0	INTRODUCTION	1
2.0	PERMITTING	Tween,
3.0	ABANDONMENT AND SEALING OF GROUNDWATER WELLS	1
FIG	JRE	
]	Site Plan Showing Monitoring and Extraction Well Locations	
API	ENDICES	

- A Permits
- B DWR Form 188 Well Completion Reports

rpt-wellclosure-01649:deh

1.0 INTRODUCTION

LFR Levine·Fricke (LFR) has prepared this report for Catellus Finance 1, LLC (Catellus) to describe activities associated with the closure of monitoring wells at the East Bay Bridge Center, located in Emeryville and Oakland, California. The closure of these wells is in response to a "no further action" letter issued by the California Regional Water Quality Control Board (RWQCB), dated June 6, 2002. This letter confirms the adequate completion of site investigations and remedial actions at the East Bay Bridge Center (Catellus Parcels CA0010598 and CA0010603).

2.0 PERMITTING

On March 22, 2004, the Alameda County Public Works Agency (ACPWA) issued permits for the abandonment of monitoring wells MW-2, MW-3, MW-4, MW-5, MW-6, MW-6D, MW-7D, MW-7D, MW-7Z, MW-8, MW-9, MW-9D, MW-10R, MW-12R, MW-32R, MW-34R, LF-22, and LF-23; and extraction wells EX-3 and EX-4 via the pressure grouting method. Permits were also issued for the closure-in-place of EX-1 and EX-2, which are vertical conduits to a horizontal extraction trench. Figure 1 is the Site Plan Showing Monitoring and Extraction Well Locations. Copies of the ACPWA permits and the well destruction specifications are included in Appendix A.

3.0 ABANDONMENT AND SEALING OF GROUNDWATER MONITORING AND EXTRACTION WELLS

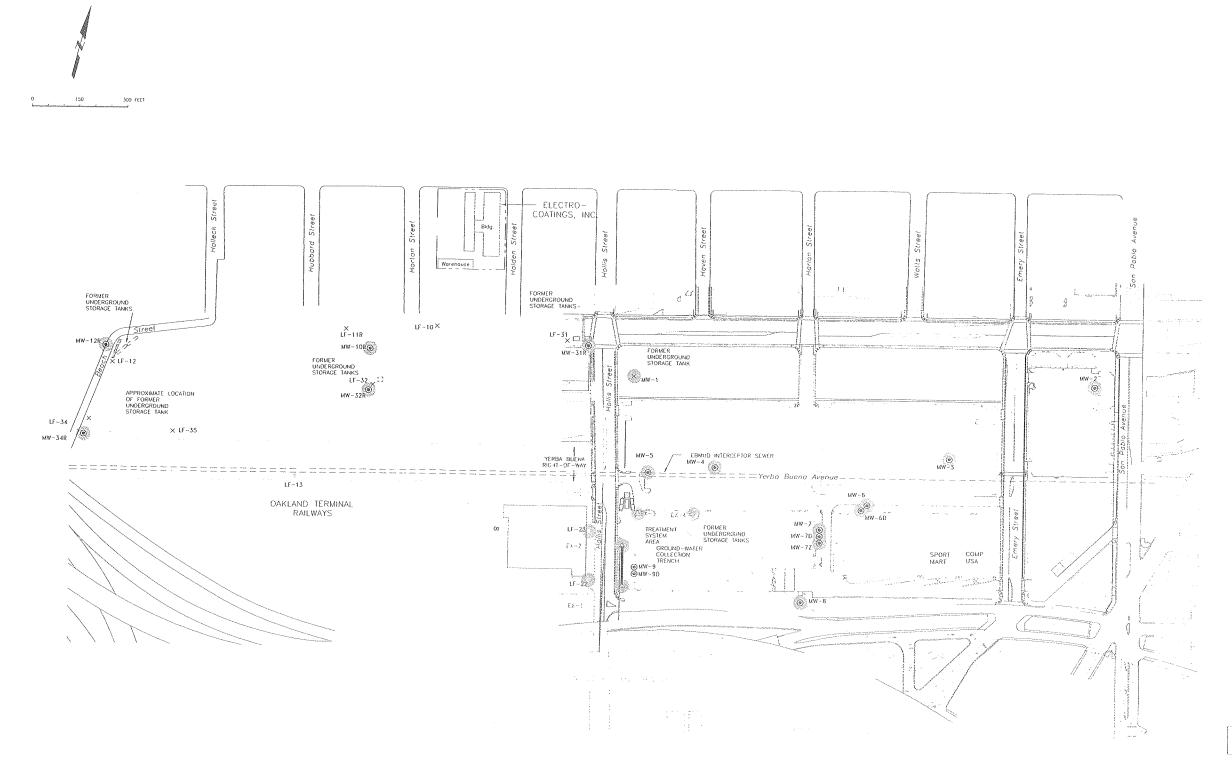
The abandonment and sealing of monitoring and extraction wells was conducted from March 23 to March 25, 2004, in accordance with specifications provided by the ACPWA. Gregg Drilling and Testing, Inc., a licensed drilling subcontractor, conducted the fieldwork under the supervision of LFR personnel.

All permitted monitoring wells (MW-2, -3, -4, -5, -6, -6D, -7, -7D, -7Z, -8, -9, -9D, -10R, -12R, -32R, -34R, LF-22, and LF-23) and two permitted extraction wells (EX-3 and EX-4) were abandoned by the pressure grout technique. A tremmie pipe was placed into the well below static water just off the bottom of the well, and neat Portland cement was pumped into the well until the casing was entirely filled with the cement. A pressure fitting was then attached to the outside of the casing, and a hose was connected to the fitting from the grout pump. Grout was again pumped into the well until a pressure of at least 25 pounds per square inch was attained. The pressure was then maintained for approximately five minutes. After the pressure grouting was completed, the grout was allowed to settle before the well box at the ground surface was removed. The remaining excavated area was backfilled with concrete or compacted soil to match the respective existing ground surface.

rpt-wellclosure-01649:deh Page 1

Two extraction wells (EX-3 and EX-4) and the extraction trench conduits (EX-1 and EX-2) were completed in subsurface steel vaults. The wells were pressure-grouted, using the methodology described above, and the vaults have been left in place.

Wells EX-1 and EX-2 are located at either end of a groundwater extraction trench. The connection was made from well to trench via a horizontal 4-inch-diameter "lateral" located 4 feet from the bottom of each well casing. Prior to grouting of EX-1 and EX-2, bentonite pellets were placed from the bottom of the well to a minimum of one foot above the lateral described above. The bentonite pellets were allowed to hydrate for a minimum of 15 minutes before the neat Portland cement was pumped into the well via the tremmie pipe. This abandonment technique was performed in conformance with the methodology approved in the permit issued by the ACPWA. The volume of grout used to fill the casing indicated that the bentonite pellet seal had performed as designed. Based on an inspection of the cement grout at wells EX-1 and EX-2 the following day, there was no visible sign that the cement had settled in the casing.



EXPLANATION

- MONITORING WELL LOCATION
- △ EXTRACTION WELL
- PREVIOUSLY ABANDONED GROUND WATER MONITORING WELL
- ABANDONED MARCH 2004

APPROXIMATE PROPERTY LINE

RETAIL DEVELOPMENT WITH
PETROLEUM AFFECTED SOIL
ON SITE

Site Plan Showing Monitoring and Extraction Well Locations

Yerba Buena / East Baybridge Development



APPENDIX A

Permits



WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (\$10) 670-6633 James You
FAX (\$10) 770 3633

FAX (510) 792-1939
APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING FRRMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PER	MIT APPLICATION
LOCATION OF PROJECT 40TH ST; BEACH ST.	FOR OFFICE USE PERMIT NUMBER WOLL NUMBER
CLIENT Name CARRIGUS DEVELOPMENT CORP Address 201 MISSION ST Phone 415 974 9647 City SAN FRANCISCO GAZip TY105 APPLICANT Name LONG KERCER LFR LEVINETRICKE POX SIO 651 2246 Phone SIO 657 4500 City FMERYVILLE ZIP 94608	PERMIT CONDITIONS Circled Pennit Requirements Apply A. SENERAL I. A pomuit application should be submitted so as to the ACPWA office flooders print to
TYPE OF PROJECT Wall Construction Geolechical Investigation Cathodic Protection Georgi Canadic Protection Georgi Canadic Protection Georgi Canadic Cathodic Protection Georgi Canadic	approval date B. WATER SUPPLY WELLS 1. Minimum surfaces seal thickness is two inches of copient grout placed by fromto. 2. Minimum seal depth is 50 feet for municipal sead 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 soal thickness is two inches of coment grout placed by fromto. 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet. D. GECTECHNICAL. Backfill bore hold by tromic with coment grout or coment grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. E. CATHODIC Fill hole anode zone with opported placed by tromic. For wella 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.
Hole Diamotor In. Depth R. TARTING DATE 2/29/94 3-23-04 COMPLETION DATE 3-31-04 hereby agree to comply with all requirements of this permit and Alameda County Ordinance PPLICANT'S SIONATURE FC C C DATE 2/2 LEASE PRINT NAME JOHN C. KEEGE ROY, P-18-C	0/04



WATER RESOURCES SECTION
399 BLMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-6633 James You FAX (510) 782-1939 APPLICANTS: PLEASE ATTACH A SITE MA

DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEFARATE PREMIT APPLICATION	
	ERMIT APPLICATION
LOCATION OF PROJECT 40 FM ST; BEACH ST,	PURMIT NUMBER WELL NUMBER 4PN
CLIENT Name ATECHES DEVELOPMENT CORP Address ZOI MISSIAN ST Phone YIS 974 46,47 Cly SAN FRANCISCO CAZID 14105 APPLICANT Namo LOMA KERLER LIFE LEVINGFRICKO Address 1900 POLIFIC ST Phone \$106529500 Clty EMERYVILLE ZIP 94608	PERMIT CONDITIONS Circled Permit Requirements Apply V. GENERAL I. 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. J. Pormit is void if project not begun within 90 days of
TYPE OF PROJECT Well Construction Cathodic Protection Water Supply U Contemination Monitoring PROPOSED WATER SUPPLY WELL USE New Domestic Municipal U Ingation U General U Contemination U C	B. WATER SUPPLY WELLS 1. Minimum surface scal folkness is two inches of cernent grout placed by fremia. 2. Minimum scal depth is 30 feet for municipal and industrial wells or 20 feet for domestic and irrigution wells unless a losser depth is specially approved. C. GROUNDWATER MONITORINO WELLS INCLUDING PIEZOMETERS 1. Minimum surface sess informers is two inches of centsol group placed by transfer.
DRILLING METHOD: Mud Rotary : All' Rotary : Auger : Cable : Other : DRILLER'S NAME GREGGE DELLE DRILLER'S NAME BRILLER'S NAME DRILLER'S NAME GREGGE DELLE DRILLER'S NAME BRILLER'S NAME DRILLER'S NAME BRILLER'S NAME DRILLER'S NAME BRILLER'S NAME DRILLER'S NAME BRILLER'S NAME BRI	2. Minimum seat depth for monitoring woise is the maximum depth practicable of 20 feet. D. GEOTECHNICAL Backfill bore hole by tramic with coment ground a coment groundland mixture. Upper two-three feet replaced in kind of with compacted cuttings. E. CATHODIC
WELL PROJECTS Drill Hole Diameter Cualing Diameter Surface Seal Depth 10 H. Owner's Well Number 123 GROTECHNICAL REPORTS	Fill hole anade zone with concrete placed by transle F. WELL DESTRUCTION Sond a map of work site. A separate point is required for wells deeper than 43 feet. C. SPRCIAL CONDITIONS NOTE: One application must be submitted for each well of well destruction. Multiple borings on one application are acceptable for gentechnical and contamination investigations.
Hole Dismoter in Depth 1. STARTING DATE 2/2 GV B4 3-23-04 COMPLETION DATE 3-31-64	AM S
Thereby agree to comply with all requirements of this permit and Alamedo County Ordinance APPLICANT'S SIGNATURE DATB 2/20/0 PLEASE PRINT NAME JOHN ROV, 9-18-0	PNo. 73-68,



WATER RESOURCES SECTION

J99 BLMHURST ST. HAYWARD CA. J4544-1395

PHONE (510) 670-6633 James You

FAX (510) 762-1939

PULICANTS: PLBASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APP

PAX (310) 762-1039 APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS DESTRUCTION OF WELLS OVER 16 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION FOR OFFICE USE FOR APPLICANT TO COMPLETE LOCATION OF PROJECT 40TH ST; BEACH TO SAN PABLO AV ORIGIAND PBRMIT NUMBER WELL NUMBER APN PERMIT CONDITIONS Circled Farmit Requirements Apply CLIBNT 1. A permit application should be submitted so as to Address 201 MISSIRN SI Chy SAN FRANCISCO arrive at the ACPWA office five days prior to proposed starting deta Submit to ACPWA within 60 days ofter completion of permitted original Department of Water Resources-EVINETRICKE Fax 510 651 2746 Phone 510652 1500 Well Completion Report.) Permit is vold if project not begun within 90 days of Address 1900 Pausel approval date Zip 94608 CHERYKLLE B. WATER SUPPLY WELLS Minimum nurface seed thickness is two inches of cement grout pluced by treinie. TYPE OF PROJECT Z. Minimum seal depth is 50 feet for muntolpal and 2. Industrial wolls or 20 feet for municipal and industrial wolls or 20 feet for domestic and impation walls unless a least depth is spenially approved. C. GROUNDWATER MONITORING WELLS Georgehnical Investigation Well Construction Clencrol Cathodic Protection Water Gupply Contamination Well Destruction Monitoring INCLUDING PIEZOMETERS 1. Minimum sufface sest thickness is two inches of PROPOSED WATER SUPPLY WELL USE cement grow placed by tecmic. Replacement Domestic New Domestle D 2. Minimum seal dopth for monitoring wells is the Emigation Municipal m maximum depth practicable or 20 fees U Industrial n Other D. GEOTECHNICAL Backfill bare hold by tremle with coment grout or coment DRILLING METHOD: grout/sand mixture. Upper two-three feet replaced in kind Air Rolery | 11 Auger Mud Knimy or with compacted cultings E. CATHODIC I'll hole anode zone with concrete placed by yemic, (RLL DRSTRUCTION) The formation of work site. A soperate permit is required DRILLER'S NAME GREGE DEILLING WKILL DESTRUCTION DRILLER'S LICENSE NO. 485 165 for walls desper than 45 foot. G. SPECIAL CONDITIONS WELL PROJECTS NOTE: One application must be submitted for each well or well Drill Hole Diameter Maximum Depth 18.5 ft. destruction. Multiple borings on one application are acceptable Caring Diameter ___2 for geolechnical and contamination investigations. Owner's Well Number MW-34R Burface Bool Douth CEOTECHNICAL PROJECTS Nuraber of Borings May muun Depth Hole Diemeter DATE 3-2204 STARTINO DATE_ COMPLETION DATE APPROVED I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68 APPLICANT'S SIONATURE PLEASE PRINT NAMB



WATER RESOURCES SECTION
349 ELMHURST ST. HAYWARD CA. 04564-1109
PHONE (510) 670-6633 James You
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS DESTRUCTION OF WELLS OVER 48 FEET REQUIRES A SEPARATE PERMIT, APPLICATION

DRILLING PERMIT APPLICATION FOR APPLICANT TO COMPLETE FOR OFFICE USE LOCATION OF PROJECT 40 FH ST : BEACH PERMIT NUMBER WELL NUMBER APN **FERMIT CONDITIONS** Circled Fermit Requirements Apply Nema CAPELLUS DEVELO Address ZOI MISSIANSI DEVELOPMENI ENERAL 1. A permit application should be submitted so as to CO SAN EKANGISGO arrive at the ACPWA office five days prior to proposed sterring date. Submit to ACPWA within 60 days after completion of . permitted original Department of Water Resources-Well Completion Report. Address 1900 PALIFIC 3. Permit is void if project not begun within 90 days of Phone CHERYVILLE upproval date B. WATER SUPPLY WELLS 1. Minimum surface sent thickness is two lackes of TYPE OF PROJECT coment grout placed by tremic. Well Construction Geolochnical Investigation 2. Minimum scal dopth is 30 foot for municipal and Cathodic Protection Cioneral Industrial walls or 20 feet for domestic and irregation Water Supply Containination wolls unless a lesser depth is specially approved. Monltoring C. GROUNDWATER MONITORING WELLS Well Destruction INCLUDING PIEZOMETERS PROPOSED WATER SUPPLY WELL USE 1. Minimum auriaco scal thickness is two inches of New Domonto O Replacement Domestic D cement grout placed by tremis. Municipal Imigation 2 Minimum scal depth for monitoring wells is the Industrial Other munimum depth practicable of 20 foot. D. GEOTECHNICAL DRILLING METHOD: Backfill boro hole by tremie with current grout or coment Mud Rolary Air Rossiy Auger grouttend mixture. Upper two-three feet replaced in kind Cable Otho: or with compected cuttings. E. CATHODIC DRILLBR'S NAME GREGG DELLLAND Fill hale anode zone with concrete placed by tremis VELL DESTRUCTION - FIT I Send a map of work site. A separate parmit is required DRILLER'S LICENSE NO. 485 165 for wells deeper than 45 feet. G. SPECIAL CONDITIONS WBLL PROJECTS Drill Hole Diameter Muximum Depth <u>18.5</u> n. NOTE: One application must be submitted for each wall or wall Cualng Diameter_ Owner's Well Number MW-12R destruction. Multiple borings on one application are acceptable Surface Seel Depth for geotechnical and contamination investigations. CECTECHNICAL PROJECTS Number of Barings _____ Maximum Hole Diameter Dopth. -22-04 STARTING DATE COMPLETION DATE APPROVED I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73.68. APPLICANT'S SIGNATURE PLEASE PRINT NAME



WATER RESOURCES SECTION 100 FLMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-6633 James You

FAX (510) 782-1939
APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WILLS OVER 45 FEET REQUIRES A SEPARATE FERMIT APPLICATION

DRILLING PERMIT APPLICATION

\$\text{\texicl{\text{\texicl{\text{\texicl{\text{\texicl{\text{\texicl{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tin}\tint{\text{\text{\tinte\tintet{\text{\text{\text{\text{\text{\texi}\tint{\text{\texicl{\text{\texicl{\tinte\tintet{\texicl{\tinit}}\tint{\text{\texiting}\tint{\texititt{\texicl{\tinit{\tin{\tininte\texit{\texi}\tint{\texit{\texi}\tinit{\tinit}\ti	A PORT CONTRACT CONTR
FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION OF PROJECT 40TH ST; BEACH ST.	PERMIT NUMBER WO3-CL66
TO DAN PARIO AN	WELL NUMBER
1. Och with a	Edition
	PERMIT CONDITIONS Circled Formit Requirements Apply
CLIENT	
Name AFEL US DEVELOPMENT CORP. Address 201 MISSION ST Phone 7/5 774 4647 City SAN FRANCISCO (AZID 19105	1. A pormit application should be submitted so as to arrive at the ACPWA office five days prior to
	proposed starting date.
APPLICANT DAMN KEELER LFR LEVING FRICKE Name DAMN KEELER LFR LEVING FRICKE FRA SID 652 2246 Address 1900 Pausel ST Paone 310652 4500 Cly EMERYVULE ZID 94608	permitted original Department of Water Resources- Well Completion Report.
Address 1900 POLIFIL ST Phone 510632 4500	3. Permit is void if project not begun within 90 days of
Clo EMERYVILE ZID JYKOL	approval date B. WATER SUPPLY WELLS
	 Minimum surface seal thickness is two inches of occurent group placed by tromic.
TYPE OF PROJECT Well Construction Guotechnical Investigation	2. Minimum seal doubh is 50 feat for municipal and
Csthodia Protection O General U	indusufal wells or 20 feet for dormsuic and irrigation walls unless a jester dapfu it specially approved.
Water Supply Manitoring Wall Destruction	C. GROUNDWAYER MONITORING WELLS
Man transfer A & C.	inci,uding piezometers
PROPOSED WATER SUPPLY WELL USE New Domestic D Replacement Diamestic O	 Minimum nurface sont thinkness is two inches of coment group placed by tramis.
New Domostic D Replacement Domostic D Unique of Ci	2 Minimum seal dopth for monitoring wolls is the
Industrial O Other	maximum depth precilcable or 20 fect. D. GEOTECHNICAL
DRILLING METHOD:	Backfill bare hole by tremle with coment grout or centent
Mud Rotary 1 Air Rotary 11 Auger 1	grout/sand mixture. Upper two-lives fect replaced in kind
Cable !! Other !!	or with compacted cuttings; E. CATHODIC
DRILLER'S NAME GREGG DRILLING	Fill hole anode zone with coporate glaced by tremic.
DRILLER'S LICENSE NO 485 165	F. WELL DESTRUCTION - PATH THE SENDENCE OF WORLD SENDENCE OF WORK SILE. A REPARMED POPULIED
DRILLBR'S LIOBNSB NO 100 100	for wells desper than 45 feet
	G. SPRCIAL CONDITIONS
WRLL PROJECTS Drill Hole Dismoter B in Maximum.	NOTE: One application must be submitted for each well of well
and the second s	destruction. Multiple borings on one application are acceptable
Casing Diameter 2 In Depth 27 II Surface Soal Depth 14 ft Owner's Well Number MW " 10R	for geotechnical and contamination investigations.
GEOTECHNICAL PROJECTS	•
Number of Borings Maximum	
Hole Diamoter in Depth 1.	
STARTINO DATE 2/24/04 3-23-04	The same of the sa
COMPLETION DATE 3-3/24	APPROVED APPROVED STORY
To be to the state of the state	APPROVED DATE
I hereby agree to comply with all requirements of this permit and Alameda County Ordin	4000 N/4 72 6P
APPLICANT'S SIGNATURE FLC 121 DATE 2/	20104
APPLICANT'S SIGNATURE DATE	2010 7
APPLICANT'S SIGNATURE TO LEGISTER DATE 2/ PLBASE PRINT NAMB JOHN C. KEELER ROVS.	18-02
NORTH -	\ \ \ \ \ /



WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Von
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS DESTRUCTION OF WELLS OVER 4S PEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERM	AIT APPLICATION
FOR APPLICANT TO COMPLETE LOCATION OF PROJECT 40TH ST; BEACH ST. TO SAM PARIS AV	PERMIT NUMBER 404-0267 WELL NUMBER
EMITRIVILLE CONTRACTOR	APN
+ 600 10000000000000000000000000000000000	PERMIT CONDITIONS Circled Formit Requirement Apply
CLIENT NETWO ATELLUS DEVELOPMENT CORP Address 201 MISSIAN ST Phone 715 777 4647 City SAN FRANCISCO CAZID 97705	A. SENERAL 1. A permit application should be submitted so as su arrive at the ACPWA office five days prior to
APPLICANT NORM KERIER LFR LEVINGFRICKE	proposed starting date. 2 Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
Address 1900 Palsell ST Phone 570 632 4500 City Emgle 4 VIII E Zip 94608	I. Permit is vold if project not begun within 90 days of approval date
in the contraction of the first of the contraction	b. Water Supply wells
TYPE OF PROJECT Well Construction Cuthodle Protection Water Supply Monitoring U Well Destruction	I. Minimum surface seal thickness is two inches of coment grow placed by tremic. Minimum weal depth is 50 feet for municipal sad industrial wells or 20 feet for domestic and irrigation wells unless a lesser dopth is specially approved. C. GROUNDWATER MONITORING WELLS
	including piezometers
PROPOSED WATER SUPPLY WELL USE New Domestic () Keplacement Domestic () Municipal () Impation () Industrial () Other ()	 Minimum authoe seal thickness is two inches of cement grout placed by termie. Minimum scal depth for monitoring wells is the maximum depth practicable or 20 feet.
DRILLING METHOD: Mud Rotary '1 Air Rotary !: Auger !! Cable !! Qthen !!	D. GEOTECHNICAL Backfill born hole by tremie with coment grout or coment grouvend mixare. Upper two-three feet replaced in kind of with compacted cuttings.
DRILLER'S NAME GREGG DELLEING	II. CATHODIC
DRILLER'S LICENSE NO. 485 165	Fill hole anode zone with concrete placed by trente. F. WELL DESTRUCTION Send a map of work site. A superate permit is required for wells deeper than 45 feet.
WELL PROJECTS Drill Hole Diameter Cacing Diameter Surface Seal Depth 8 ft. Owner's Well Number MW 2	G. SPECIAL CONDITIONS NOTE: One application must be submitted for each walt or well destruction. Multiple beriags on one application are acceptable for geotechnical and contamination investigations.
GEOTECHNICAL PROJECTS Number of Bonngs Maximum Hold Diameter In. Depth ft.	
STARTING DATE 20/25/04 3-23-04	& proportion
COMPLETION DATE 3-31-04	APPROVED DATE 3-22-
f hereby agree to comply with all requirements of this permit and Alameda County Ordinar	100 No. 73-68.
APPLICANT'S SIONATURE C C DATE 2/2	20/04
PLEASE PRINT NAME JOHN CKEELER REV.9-11	

אחר חר ומא וחידה



WATER RESOURCES SECTION 199 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-6633 James You FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DOTIFING PERMIT APPLICATION

niminanian in the second secon	LI ALK Soll CALLON
FOR APPLICANT TO COMPLETE LOCATION OF PROJECT YOUR ST; BEACH ST, TO SAN PABLO AV EMIERYVILLE	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT, Name AFFICE & DEVELOPMENT CORP Address 201 M13SION ST Phone 415 974 4647 City SAN FRANCISCO CA 219 94105 APPLICANT Numa JOHN KERLER LTR LEVINETRICKE FOX 510 GSL 7246 Address 1900 POLIFIC ST Phono 3156524360 City Emer 4411 F 9460	A. SENERAL 1. A permit application should be submitted so as to arrive at the ACPWA office five days prior in proposed starting date. 2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources—Wall 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 in two inches of
TYPE OF PROJECT Well Construction Geotochnical Investigation Cuthodic Protection D General U Water Supply Contemination D Monitoring D Well Destruction	cement grout placed by tremio. 2. Minimum seal depth is 50 feet for municipal and Industrial wells or 20 feet for domeste and Industrial wells or 20 feet for domeste and Industrian wells unloss a lesser depth is specially approved. C. GROUNDWATER MONITORING WELLS. INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE New Doinestic D Replacement Domestic D Municipal D Impation D Industrial D Other D DRILLING METHODI Mud Rotary 1 Air Rotary 1 Auger 11 Cabla 11 Other 11 DRILLER'S NAME GREGG DELLIFATO DRILLER'S LICENSE NO. 485 165 WELL PROJECTS	1. Minimum surface seat thickness is two inchess of coment grout placed by tramia. 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet. D. GEOTECHNICAL Backfill bore hole by fremic with coment grout or carrient groutes infraire Upper two-three feet replaced in kind or with compacted cuttings. E. CATHODIC Fill hole smode zona with concrete placed by frentle. WELL DESTRUCTION Send a map of work site. A separate partial is required for walls deeper than 45 feet. G. SPECIAL CONDITIONS
Orth Hole Diumeter 6 in Maximum Casing Diameter in Depth 25 R. Surface Seal Depth 14 A. Owner's Well Number MW 3	NOTE: One application must be submitted for each well or well destruction. Multiple burings on one application are ecceptable for geotechnical and contamination investigations.
SECTECHNICAL PROJECTS Number of Borings Hole Diameter in Depth STARTING DATE 2/26/8/8 3-23-04 COMPLETION DATE I hereby agree to comply with all requirements of this permit and Alameda County Ordinar APPLICANT'S SIGNATURE PLEASE PRINT NAME OF HN 14 CELER Rev 9-11	20/04



WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
YHONE (510) 670-661, James You
FAX (510) 782-1939

APPLICANTS: PLBASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERM	IIT APPLICATION
$log (g_{1},g_{2}) = \frac{1}{2} \left($	ta Calada (tala) and a superference and a consequence of the property of the property of the property of the consequence of the property of the property of the consequence of the property of the property of the consequence of the property of the property of the consequence of the property of the property of the consequence of the property of the pr
FOR APPLICANT TO COMPLETE LOCATION OF PROJECT 40TH ST. BEACH ST. TO SAM PARIO AV EMERYVILLE	FOR OFFICE USE PERMIT NUMBER LW4-0269 WELL NUMBER APN
CLIENT 65.	PERMIT CONDITIONS Circled Pornil Requirements Apply
Name CATELLUS DEVELOPMENT CORP Address ZOI MISSIAN ST Phone 915 974 4647 City SAN FRANCISCO CAZIF 99105	CENERAL A pormit application should be submitted to us to strive at the ACPWA effice five days prior to
APPLICANT Name Name LOUINE FRICKE FAX SIQ 652 2246 Address 1900 POLICIEST Phone 510 652 4300 City Engryum & Zip 94602	proposed starting date. 2. Submit to ACPWA within 60 days after completion of parmitted original Department of Water Resources-Well Completion Report. 3. Pertoit is void if project not begun within 90 days of approval date B. WATER SUPPLY WELLS
TYPE OF PROJECT Well Contraction Geotechnical Investigation Cathodic Protection D General D Water Supply D Contamination D Monitoring U Well Destruction	I. Minimum surface seed thicknose to two inches of cament grow placed by wente. 2. Minimum seed depth is 50 feat for inuncipal and industrial wells or 20 feet for domestic and inflation wells whose depth is specially approved. C. CROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE New Domestic IJ Replacement Domestic II Municipal C Impation C Industrial R Other 0	1. Minimum surface seal thickness is two inches of concent grout placed by tromio. 2 Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feer D. GEOTECHNICAL
DRILLING METHOD: Mud Rotary 'I Air Retury II Auger II Cable II Other I	Buckfill bote hale by treme with coment grout or coment grout/sand mixture. Upper two-three feet replaced in kind or with compacted outlings.
DRILLER'S NAME GREGG DEUGING DRILLER'S LICENSE NO 485 165	P. CATHODIC Pill hole anode zone with concrete placed by trontie. P. WELL DESTRUCTION Send a map of work site. A separate pormit in required
WELL PROJECTS	for wells desporthen 45 feet. G. SPECIAL CONDITIONS
Ortil Hola Diamater B. in. Maximum Casing Diameter in. Depth 25 R. Surface Scal Depth 12 A Owner's Well Number MW 4	NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for gootechnical and contamination investigations.
GBOTECHNICAL PROJECTS Number of Borings Maximum Hole Diameter in Depth R	
STARTING DATE 2/24/104 3-23-04	
COMPLETION DATE 2-3/04	APPROVED DATE 3-22-04
I hereby acree to comply with all requirements of this permit and Alamede County Ordinan-	cc No. 73-68.
APPLICANT'S SIGNATURE JC C, 22 DATE 2/2	
PLEASE PRINT NAME OOHN C KEELER-ROV 9-18	-02

MOD 77 104 10.70

1/ イヴ・ブロ



WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-6633 James You FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS DESTRUCTION OF WELLS OVER 43 PKET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION		
for applicant to complete	FOR OFFICE USE	
LOCATION OF PROJECT 40TH ST; BEACH ST.	PERMIT NUMBER WELL NUMBER	
EMERYVILIE	APN Law Angelea Gallade (Salade California Anterior Carrier California) (April 1) (Salade California Californi	
	PERMIT CONDITIONS Circled Permit Requirements Apply	
CLIENT Name CATELLUS DEVELOPMENT COLP Address 201 MISSION ST Phone 415 914 9647 CIV SAN FRANCISCO CAZID 94105	GENERAL 1. A permit application should be submitted to as to arrive at the ACPWA office five days prior to proposed starting date.	
APPLICANT NAME KEELER LFR LEVINGERICKE NAME TO SOME KEELER LFR LEVINGERICKE PASSINGS 27.46 Address 1900 PALIFIC ST Phone 512652.4500 City EMERYVIII E ZIP 94608	2. Submit to ACPWA within 60 days after completion of fermitted original Department of Water Resources-Well Completion Report. 3. Fermit is void if project not begun within 90 days of	
Cly Emary VIII 5 Zip 84608	approval date	
TYPE OF PROJECT	B. WATER SUPPLY WELLS 1. Minimum surface seed thickness is two inches of coment group placed by tromic.	
Woll Construction Cathodic Protection Of General Water Supply U Contemination Of General	 Minimum sost depth to 50 feet for municipal and industrial walls or 20 feet for domestic and irrigation wells upless a lesser depth to specially approved. 	
Monitoring (1) Well Destruction	C. Croundwater monitoring Wells including piezometers	
PROPOSED WATER SUPPLY WELL USE New Domestic	 Minimum surface seal thickness is two inches of coment grout placed by treple. Minimum seal depth for monitoring wells is the 	
Industrial O Other	maximum depth practicable or 20 feet D. GEOTECHNICAL	
BRILLING MCTHOD: Mud Rotary ' Air Rotary Auger Cable !: Other !!	Backfill bore hole by tremte will cement grout or coment groutend mixture. Upper two-three feet replaced in kind or with compacted cuttings.	
DRILLER'S NAME GREGG DELLING	E. CATMODIC Fill hote anode zone with opporate placed by mamie.	
DRILLER'S LICENSE NO. 485 165	WELL DESTRUCTION - PA FIX Send a map of work site. A separate permit is required	
	for walls deeper than 45 feet G. SPECIAL CONDITIONS	
WELL PROJECTS Drill Hole Diameter S. in. Maximum Caring Diameter In. Depth 21.5 (r. Surface Seal Dopth 11.5 R. Owner's Well Number MW-5	NOTK: One application must be submitted for each well of well destruction. Multiple berings on one application are acceptable for geotechnical and contamination investigations	
CEOTECHNICAL PROJECTS Number of Borings Maximum Hole Diameter in. Depth ft.		
STARTING DATE 2/26/104 7-3804	~~.	
COMPLETION DATE 7-3104	APPROVED DATE 22.04	
I bereby agree to comply with all regularments of this permit and Alameda County Ordinano	ce No. 73-68.	
APPLICANT'S SIGNATURE DATE	0109	
PLEASE PRINT NAME JOHN CKECER Rev.9-18	1-02	



WATER RESOURCES SECTION
199 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James You
FAX (510) 782-1939
APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRULLING PERMIT APPLICATIONS

DESTRICTION OF WILLS OVER 45 PEST REQUIRES A SEPARATE PERMIT APPLICATION	
DRILLING PERMIT	TAPPLICATION
FOR APPLICANT TO COMPLETE LOCATION OF PROJECT 40TH ST; BEACH ST. TO SAIN PABLO AV EMERYVILLE	FOR OFFICE USE PERMIT NUMBER WOLL NUMBER APN
	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT Name CATELLUS DEVELOPMENT CORP Address ZOI MISSION ST Phone 415 974 4647 City SAN ERAN CISCO GIZIP 94105 APPLICANT Name LOMM KEELER LEVINETRICKE	A. GENERAL 1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting dete. 2. Submit to ACPWA within 60 days after completion of
Address (900 Paugly 57 Fhone 510652 4500 City Emga YVIII E 7, 194608	dermined original Department of Water Resources- Wall Completion Report. Permit is void if project not begun within 90 days of approval date B. WATER SUPPLY WELLS
TYPE OF PROJECT Well Construction Cathodic Protection Water Supply General Monitoring General Wolf Destruction	1. Minimum surface seal thiologies is two inches of coment grown placed by beings. 2. Minimum scal depth is 50 feet for inunfelpal and industrial walls or 20 feet for domestic and influstion wells unless a lesser depth is specially approved. C. GROUNDWATER MONITORING WELLS
PROPOSED WATER SUPPLY WELL USE Now Domostic U Replacement Domostic D Municipal D Infiguition D ladwitist D Other D	INCLUDING PIBLOMBTERS 1. Minimum surface soal thickness is two inches of coment group placed by tromic. 2. Minimum seal depth for monitoring walls is the maximum depth practicable or 20 feet. D. CEOTECHNICAL
DRILLING METHOD: Mud Rouny '1 Ali Rainy 11 Augor 11 Cable 1 Other 11	Backfill bore hole by tremie with centent grout or coment growtsand mixture. Uppor two-three feet replaced in kind or with compacted cuttings.
DRILLER'S LICENSE NO. 485 165	E. CATMODIC fill hole anode zone with concrete placed by tremie. F. WELL DESTRUCTION Send a map of work site. A septrate permit is required for wells deeper than 45 feet.
WELL PROJECTS Drill Hole Diameter 10 in Maximum Casing Diameter 10 in. Depth 25 R Surface Seal Depth 6 Owner's Well Number 6X 9 4	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.
JEOTECHNICAL PROJECTS Number of Horings Maximum Hols Diameter In. Dupth R.	
TARTINO DATE 3/25/04/2/25/04 3-23-04	22000
COMPLETION DATE 3-31-04	APPROVED DATE
heroby agree to comply with all requirements of this pennit and Alemede County Ordinance	
APPLICANT'S SIGNATURE & C RECER ROY 9-18-02	

MAR 22 '04 17:39



WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (\$10) 670-6633 James You

FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEVAKATE FERMIT APPLICATION

DRILLING PERMIT APPLICATION		
LOCATION OF PROJECT 40 PH ST; BEACH ST.	PERMIT NUMBER WO4-0272 WELL NUMBER APN	
Experience of the contract of	PERMIT CONDITIONS Circled Permit Requirements Apply	
CLIBNT Name CAFACLUS DEVELOPMENT CORR Addrew 201 MISSION ST Phone 415 924 46 47 Clry SAN FRANCISCO CAZIN 99705	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	
APPLICANT NEMO JOHN KERLER LFR LEVINEFRICKE FOX SIG 652 2246 Address 1900 POWERS T Phono 5106524500 City EMERYVILLE Zip 94628	permitted original Department of Water Resources—Well Completion Report 1. Permit is void if project not begun within 90 days of approval date B. WATER SUPPLY WELLS	
TYPE OF PROJECT Well Construction Cathodia Protection Water Supply Monitoding Uootechnical Investigation Contamination Well Description	1. Minimum surface and thickness to two inches of coment grout placed by memic. 2. Minimum sent depth is 50 feet for municipal and industrial wells or 20 feet for domestic and infusival wells or 20 feet for formation. C. OROUNDWATER MONITORING WELLS INCLUDING PREZOMETERS	
PROPOSED WATER SUPPLY WELL USE New Domestic	1. Minimum surface seal thickness is two inches of cement grout placed by acmie. 2 Minimum seal depth for monitoring wetls is the maximum depth practicable or 20 feet D. GEOTECHNICAL	
DRILLING METHOD: Mud Rotary '! Air Rotary !! Auger !! Cable !! Other !!	Dackfill bore hole by tremle with cement grout or cement grout or cement grout and mixture. Upper two-three feet replaced in kind or with compacted cultings. E. CATHODIC	
DRILLER'S LICENSENO. 485165	Fill hate anode zone with opported placed by tremic. WELL DESTRUCTION Send a map of work site, A separate permit is required for wells deaper than 45 feet. G. SPECIAL CONDITIONS	
WELL PROJECTS Drill Hole Diameter	NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations	
OBOTECHNICAL PROJECTS Number of Borings		
Hole Dlameter In Depth n. STARTING DATE 3/35/04 2/35/04 3-23-04	0.29.276	
COMPLETION DATE 3-31-04	APPROVED DATE 3-22-026	
I hereby agree to comply with all requirements of this permit and Alameda County Ordinance: APPLICANT'S SIGNATURE DATE 2/20	/ / \\	
PLEASE PRINT NAME COHAL CHEER REV 9-18-0.		

MOP 22 10/ 17:30



WATER RESOURCES SECTION
199 ELMHURST ST. HAYWARD CA. 94544-1193
PHONE (510) 670-6633 Jumos Yoo
PAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PYRMIT APPLICATIONS DESTRUCTION OF VELLS OVER 45 FEUT REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERM	AIT APPLICATION
FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION OF PROJECT 40 PM ST; BEACH ST.	PERMIT NUMBER WO4-0273 WELL NUMBER
EMESCYYICE ENGLISHED	APN
CLIBNY	PERMIT CONDITIONS Circled Pennil Requirements Apply
CLIENT Name CATECOLS DEVELOPMENT CORP Address ZOI MESSIAN ST Phono 115 974 4647 Cly SAN FRANCISCO CAZIN 94105	4. SENERAL 1. A permit application should be submitted so us to universet the ACPWA office five days prior to
	proposed starting date. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources.
APPLICANT Nemc JOHN KEELER LFR LEVINETRICKE FEX. SID 657 AZ 46 Address 1900 Palvely S.T. Phone 510 657 4500 Civ Ember YVILLE Zip 94604	Well Completion Report. 3. Permit is void if project not begun within 90 days of approval date.
TYPE OF PROJECT Well Construction Georeconical Investigation	 WATER SUPPLY WELLS Minimum surface real thickness is two inches of coment grout placed by transle.
Cathodic Protection Wester Supply D Contamination Munitoring () Well Description	2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 foot for domestic and irrigation wells unless a lesser depth is specially approved C. GKOUNDWAYER MONITORING WELLS
PROPOSED WATER SUPPLY WELL USE New Domestic G Replacement Domestic D	INCLUDING PIEZOMETERS 1. Minimum surface vest thickness is two inches of conjour grout placed by trans.
Musicipal D brigation D	2. Minimum seal depth for monitoring wells as the maximum depth practicable or 20 feet
DRILLING METHOD: Mud Rotery 11 Air Rotery 11 August 11 Cable 11 Other 1-	Backfill bore holk by tremie with cement grout or coment groutond mixture. Upper two-three fact replaced in kind or with compacted cuttings.
DRILLER'S NAME GREGE DRILLING	E. CATHODIC Fill hole anode zone with concrete placed by tremte F. WELL DESTRUCTION F. T.
DRILLER'S LICENSE NO. 485 165	Send a map of work site A separate parmit is required for wells deeper than 45 feet
WRLL PROJECTS Drill Hole Diameter Sin. Maximum Casing Diameter in Depth 65 ft. Surface Seed Depth 50 ft. Owner's Well Number MW-75.	G. SPECIAL CONDITIONS NOTE: One application must be submitted for each well or well described from the described for each well or well described for gentechnical and contemination lavestigations.
GEOTECHNICAL PROFECTS Number of Borings Maximum Hole Diameter in Dapm n	
STARTING DATE 3/25/04/2/25/04 3-23-04	
COMPLETION DATE 3-31-04	APPROVED DATE 3-22-04
I hereby agree to comply with all manifements of this permit and Alameda County Ordinan	ce No. 73-68.
APPLICANT'S SIGNATURE DATE 2/2	otoh (/ /
PLBASE PRINT NAME CONST. (Rev.9-18	3-02

F. 33/46



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-6633 James Yan FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION OF PROJECT 40YH ST; BEACH ST. TR SAN PABLO AV.	PERMIT NUMBER WO4-0274 WELL NUMBER APN
Vision 1 to 1	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIBNT Name CAYEGGUS DEVELOPMENT CORP Address 201 MISSION ST Phone 715 1744647 City SAN FRANCISCO CAZIP 99105 APPLICANT Name John KERISC LFR LEVINETRICKE FAX SIO 652 7246 Address (900 Paliele ST Phone 510 652 4500 City Finder 4 VIII F Zip 94605	GENERAL 1. A permit application should be submitted so as to enrive at the ACPWA office five days prior to proposed starting date. A Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources—Well Completion Report. J. Permit is void if project not begun within 90 days of approval date B. WATER SUPPLY WELLS
TYPE OF PROJECT Well Construction Geotechnical Investigation Cathodic Projection General General Water Supply General General Monitoring General Gene	1. Minimum surface seal thickness is two inches of commit grouf placed by cranic 2. Minimum seal dopth in 50 feet for municipal and industrial wells or 20 feet for domestic and infgation wells unless a leaser depth is specially approved. C. GROUNDWATER MONITORING WELLS INCLUDING PIRZOMETERS
PROPOSED WATER SUPPLY WELL USE Now Domostic O Roplacoment Domestic O Municipal D Intigation D Industrial C Other N	1. Minimum surface seal thickness is two inches of coment grout placed by semic 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet. D. OBOTECHNICAL
BRILLING METHOD: Mud Rotary !! Air Rotary !! Auger !! Cable !! Other !! DRILLER'S NAME GREGE Dellerer.	Backfill bore hole by tranic with cernent grout or coment groutsand mixture. Upper two-three feet replaced in kind or with compacted cuttings E. CATHODIC Fill hete anode zone with congretiques by tremis
DRILLER'S LICENSR NO. 485165	WELL DESTRUCTION Sond a map of work site. A separate permit is required for walls despar than 45 feet C. SPECIAL CONDITIONS
WELL PROJECTS Drill Hole Diameter	NOTE: One application must be submitted for each well or well distruction. Multiple burings on one application are acceptable for geotechnical and contemination investigations
CROTECHNICAL PROJECTS Number of Bodings Maximum Hole Diamoter In. Dopth A.	
STARTING DATE 3/25/04/2/25/04 - 3-2 COMPLETION DATE 3-2	J-04 DATE 3-22-34
APPLICANT'S SIGNATURE COMPLETE CONTROLLED CO	doy ()

MOR 22 '04 17:40



WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-(395 PHONE (510) 670-6633 James Voo PAX (516) 782-1939 APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALI, PHILLING PERMIT APPLICATIONS

DESTRUCTION OF WELLS OVER 45 PEFT REQUIRES A SEPARATE PERMIT APPLICATION DRILLING PERMIT APPLICATION

English of the property of the	NE SELVICATION
for applicant to complete	for office use
LOCATION OF PROJECT 40 PM ST : BEACH ST.	PERMIT NUMBER WO4-0275
	APN (* COURSESSESSESSESSESSESSESSESSESSESSESSESSES
professional contraction and the description of the contraction of the	PERMIT CONDITIONS
CLIENT DENCE OF STATE OF THE ST	Circled Permit Requirements Apply
Name Calectus Development Coll Address 201 MISSION ST Phono 415 934 4647 City SAN FRANCISCO CAZIP 97105	A. OENERAL 1. A permit application should be submitted so as to serrive at the ACPWA office five days prior to
	proposed starting data.
APPLICANT Name JOHN KEPLER LFR LEVINETRICKE FIX 510 658 2746 Address 1900 POWELL ST Phone 510 652 4500 City Ether 4441 5 Zip 94608	2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-
Address 1900 POWELL ST Phone 510 452 4500	Well Completion Report. 3. Permit is void if project not begun within 90 days of
CITY CHATCH Y YILL ST. J. YKOB.	approval dato B. WATER SUPPLY WELLS
TYPE OF PROJECT	1. Minimum surface sent thickness in two inches of
Well Construction Geotechnical invastigation	cement grout placed by tremis. 2. Minimum seal depth is 50 fest for municipal and
Calhadic Protection [1: General [2]	industrial wells or 20 feet for domestic and integrina
Water Supply U Contamination () Monitoring () Well Destruction	wells unless a larger depth is constally approved
	C. Groundwater monitoring wells including piezometers
PROPOSED WATER SUPPLY WELL USE New Domostic	1. Minimum surface acet chickness is two lackes of
Municipal () lagislauM	coment grow placed by tremle. 2.Minimum seed dapth for monitoring wells is the
Industrial O Other	maximum seet apper for momenting wells in the
DRILLING METHOD:	D. GEOTECHNICAL
Mud Rotary Air Rotary Auger 1; Cable Other	Backfill bote hate by tramic with cemant grout or cement grouvs and mixture Upper two-three feet replaced in kind
DRILLER'S NAME GREGO DRILLINGE	E. CATHODIC
DRILLER'S LICENSE NO. 485 165	Fill hole anode zone with concrete placed by tremte.
NUMBER & LICENSE NO. 1 100 100	Send a map of work one. A separate permit is required
STATE A DATE OF THE STATE OF TH	for wells deeper than 45 foot G. SPECIAL CONDITIONS
WELL PROJECTS Drill Hole Dispersor R II Advanced	
Drill Hole Diameter 8 III Maximum Casing Diameter III. Dopth 3.5 R. Surface Seal Dopth 13.5 R Owner's Well Number MW-7	NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable
Surface Seal Dopth 13,5 A Owner's Well Number MW-7	for geotechnical and contamination invastigations.
GEOTECHNICAL PROJECTS	
Number of Borings Meximum	
THE POPULATION OF THE POPULATI	ß
STARTING DATE 3/25/64 3-23-24	
COMPERTION DVIP 3-31-04	APPROVED DATE 3-22-04
I licreby agree to comply with all requirements of this permit and Alemeda County Ordinance	No. 71.49
APPLICANT'S SIGNATURE SCORE DATE 2/2	004 / 1
PLEASE PRINT NAME JOHN KEELER ROV.9-18-0	
	\ \\/

MAR 22 '04 17:40

日4 22014 020



WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-6633 James You FAX (610) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS

DESTRUCTION OF WELLS OVER 45 FEE	ET REQUIRES A SEPARATE PERMIT APPLICATION
DRILLING PERMIT	FAPPLICATION
FOR APPLICANT TO COMPLETE OCATION OF PROJECT 40 TH ST; BEACH ST. TO SAN PABLO AV EMERYVICE AV EMERYVICE	PERMIT NUMBER WELL NUMBER APN PERMIT CONDITIONS
ELENT BENELOS DEVELOPMENT CORP. CORP. CHARLES DEVELOPMENT CORP. CHARLES	Circled Permit Requirements Apply A. JENERAL. 1. A permit application should be submitted so as to strive 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 Rednurces—Well Completion Report. 3. Permit is void if project not begun within 90 days of approval date B. WATER SUPPLY WELLS 1. Minimum surface scal thickness is two inches of
WEE OF PROJECT Well Construction Geotechnical Investigation Cathodic Protection General General Water Supply General General Water Supply General General Monitoring Nell Destruction ROPOSED WATER SUPPLY WELL USE New Domestic General Domestic General Ge	cement grout placed by wends. 2. Minimum seal depth is 50 fort for municipal and industrial wells or 20 feet for domestic and infigation wells unless a lesser depth is spacially approved. C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS 1. Minimum surface seal thickness is two inches of cement grout placed by fremis. 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet. D. GKOTECHNICAL Backfill bore hole by tremic with sement grout or cornent grout/sand transitive. Upper two-three feet replaced in kind or with compacted cuttings. E. CATHODIC Fill hole anode zone with concrete placed by tremic. F. YELL DESTRUCTION Sond a map of work sile. A separate permit is required for wells desper than 45 feet. C. SPECIAL CONDITIONS
VELL PROJECTS Drill Hole Diameter Casing Dlameter In Depth Owner's Well Number MW-6D Owner's Well Number MW-6D	NOTK: One application must be submitted for each well of well destruction. Multiple borings on one application are acceptable for geomethnical and contemination investigations.
Number of Borings Maximum Hole Diameter in. Depth A TARTING DATE 25544 TOMPLETION DATE 3-3/704	APPROVED DATE DATE
hereby agree to comply with all regulaments of this permit and Alameda County Ordinan-	

PLBASE PRINT NAME OF HALL REV. 9-18-02

MOR 22 '00 17:00



WATER RESOURCES SECTION

MATER RESOURCES SECTI

FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING FERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION	
FOR APPLICANT TO COMPLETE LOCATION OF PROJECT 40TH ST. REACH ST. TO SAN PABLO AV. EMERYVICE & C.	PERMIT NUMBER WOLL NUMBER APN
CLENT Name AFELLUS DEVELOPMENT CORP Address 201 M13510N SY Phone 415 774 4647 Clty 5AN FRANCISCO CAZip 17105 AFPLICANT NAME JOHN KERIER LFR LEVINETRICKE FRX SID GSL 2246 Address 1900 POLIFIC ST Phone 5106524500 City Emgly VIII 5 Zip 94603 TYPE OF PROJECT Well Construction U General U	GENERAL 1. A permit application should be submitted so as to atrive 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—Woll Completion Report. 3. Pertait is vaid if project not begun within 90 days or approval date E. WATER SUPPLY WELLS 1. Minumum surface seal thickness is two inches of cament grout placed by traffie. 2. Minimum surface soll thickness is indicated intigation walts unless a losser depth is specially approved. C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS 1 Minimum surface test disckness is two inches of coment grout placed by fromic. 2 Minimum best depth for monitoring wells is the maximum depth practicable of 20 feet.
MILLING METHOD: Mid Rotary '1 Air Rotary !1 Augor !1 Cable !1 Other !1 DRILLER'S NAME GREGG DELLELINGE DRILLER'S LICENSE NO. 485 165	Backfill bore holo by tramio with coment grout at coment growth and mixture. Upper two-three feet replaced in kind or with compacted cuttings. R. CATHODIC Fill hole anode zone with coeccete glaced by tramis. F. WILL DESTRUCTION Send a map of work sire. A separate permit is required for wells deeper than 45 feet.
Dell Hole Diameter in. Maximum Depth 21.5 n. Surface Scal Depth 11.5 n. Owner's Well Number MW-6	G. SPECIAL CONDITIONS NOTE: One application must be submitted for each well or well destruction. Multiple begings on one application are acceptable for geotechnical and contamination investigations.
GEOTECHNICAL PROJECTS Number of Botings Maximum Hole Diameter in Depth ft STARTING DATE 2/25/84 3-23-04 COMPLETION DATE 3-31-04 I hereby agree to comply with all regultromens of this permit and Alameda County Ordinan APPLICANT'S SIGNATURE DATE 2/6 PLEASE PRINT NAME 0 14 0 C EEL County Ordinan	APPROVED DATE 3-22-00 ICE No. 73-68. 20/04



WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (518) 670-6633 James You
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION FOR OFFICE USE FOR APPLICANT TO COMPLETE LOCATION OF PROJECT 40TH ST; BEACH PERMIT NUMBER WELL NUMBER NPN PERMIT CONDITIONS Circled Permit Requirements Apply CLIENT GENERAL 1. A permit application should be submitted so as to Address 201 MISSIAN SI City SAN FRANCISCO C arrive at the ACPWA office five days prior to proposed sturting data. 2 Submit to ACPWA within 60 days after completion of permitted original Department of Water Roscurces. Well Completion Report Fax 510 652 3. Permit is vaid if project not begun within 90 days of Phone 510 6. Zir 94208 Address 1900 POLIGILSI approval date Zip City EMERYMILLE B. WATER SUPPLY WELLS 1. Minimum ourface seal thickness is two inches of coment grow placed by womic. TYPE OF PROJECT 2. Minimum scal depth is \$0 feet for municipal and Well Construction Ocolechnical Investigation Industrial wells or 20 feet for demestic and irrigation Cathodic Protection General wells unless a lessor depth is specially approved. Contamination Water Supply C) C. GROUNDWATER MONITORING WELLS Well Destruction Monitoring INCLUDING PIEZOMETERS 1. Minimum surface scal thickness is two inches of PROPOSKO WATER SUPPLY WELL USE cement grout placed by memle. New Domestic IJ Replacement Domestiv 2 Minimum scal depth for monitoring wells is the Municipal 0 Imigation maximum depth practicable or 20 feet Industrial D. GEOTECHNICAL Buckfill bore hole by tremie with centent grout or cornent DRILLING METHOD: grouternd mixture. Upper two-three feet replaced in kind Mud Roinry Alr Rotary 1. AURCE or with compacted cuttings. Other E. CATHODIC DRILLER'S NAME GARGE DELLAINS Send a map of work site A separate permit is required for walls deeper than 45 fast. Fill hole anode zone with concepte placed by tentle WELL DESTRUCTION -DRILLBR'S LICENSE NO. 485 165 G. SPECIAL CONDITIONS WELL PROJECTS Meximugi Dopili 20.5 n. NOTE: One application must be submitted for each well or well Drill Hole Dameter destruction. Multiple borings on one application are acceptable Casing Diameter Ovmer's Well Number MW & 8 for georechnical and contamination investigations. Surface Seal Depth **GEOTECHNICAL PROJECTS** Number of Borings ___ Maximum Hala Diamotor_ STARTING DATE DATE 5-22-04 COMPLETION DATE APPROVED I horeby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68 APPLICANT'S SIGNATURE PLEASE PRINT NAME



WATER RESOURCES SECTION
399 ELMHURST ET. HAYWARD CA. 94344-1395
FHONE (\$10) 670-6633 James You
FAX (\$10) 782-1939

Applicants: Please attach a site map for all detiling permit applications destruction of wells over 45 peet requires a separate permit application

DRILLING PERMIT APPLICATION

PRILLING PERMIT APPLICATION	
FOR APPLICANT TO COMPLETE	FOR OFFICE USE PERMIT NUMBER WO4- ()279
LOCATION OF PROJECT YOTH; BEACH STREET TO SADYABLO AVE RAKLAND	PERMIT NUMBER WOLL NUMBER APN
Enterprise of the second secon	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT Name (ATTACLUS DEVELOPMENT CORP. Address ZOI MISSIAN ST Phone 113 474 4647 City SAN FRANCISCO (AZip 14105	1. A permit application should be submitted so us to arrive at the ACPWA office five days prior to proposed souring date.
APPLICANT Name JOHN KERLER LIFE LEVING FRICKE Address 1900 POLICE ST Phone \$10652 4500 Cly EMERYVILLE ZIP 9468	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 Woll Construction	B. WATER SUPPLY WELLS 1. Minimum surface scal thickness is two inches of ecoment grout placed by tremic. 2. Minimum seal depth is 50 feet for municipal and industrial walls or 20 feet for domestic and irrigation wells unless a losser depth is specially approved. C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL, USE Now Domostic D Replacement Domostic D Municipal D Impation D Industrial D Other D	t. Minimum surface seal thickness is two inches of coment grout placed by tremic. 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
DRILLING METHOD: Mud Roury 1 Air Rutary 1 Airger Cablo Other .	D. QROTECHNICAL Backfill bore hole by tremit with cement grout or cement groudsand mixture. Upper two-three feet replaced in kind or with compacted cultings.
DRILLER'S NAME GREGE DRILLING DRILLER'S LICENSE NO. 485 165	CATHODIC Fill halo unade zone with concrete placed by trame F. WELL DESTRUCTION Send a map of work alia A separate permit is required
WELL PROJECTS Drift Hole Diameter B in Maximum Casing Diameter 1 in. Dopth 26 (t. Surface Scal Dopth 1 R. Owner's Well Number Mb = 9	for wells deeper than 45 feet. GSFECIAL CONDITIONS NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination invostigations.
GBOTECHNICAL FROIBCTS Number of Rorings Maximum Hola Diameter in. Depth A	
STARTING DATE 2/25/64 - 3-23-04 COMPLETION DATE 2-31-04	M/R 2-22-00
I heroby agree to comply with all requirements of this permit and Alamoda County Ordinan APPLICANT'S SIGNATURE DATE 2/2	ce No. 73-68.
PLRASS PRINT NAME COM C CETE CSC ROV. 9-16	3-02

MAR 22 '04 17:41

F 4 (7) F 3 (7) (7) 4 (7) F 3 (7)



PLEASE PRINT NAME

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-6633 James Yoo FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION POR OFFICE USE FOR APPLICANT TO COMPLETE LOCATION OF PROJECT 40TH ST; BEACH PERMIT NUMBER WELL NUMBER APN PERMIT CONDITIONS Circled Permit Requirements Apply CENERAL Name CATRELUS 1. A permit application should be submitted so as to Address ZOI MISSIAN ST Pho City SAN FRANCISCO CAZIP arrive at the ACPWA office five days prior to proposed starting date. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources. Nama Well Completion Report. 3. Permit is void if project not begun within 90 days of Phone S Address 1900 POLIFICE approval date CIVEMBRYVILLE B. WATER SUPPLY WELLS I. Minimum surface seal thickness is two inches of cement grout placed by wornly, TYPE OF PROJECT 2. Minimum seal depth is 50 feet for municipal and Geotechnical Investigation Well Construction Industrial wells or 20 feet for domestic and led gation Cathodic Protection General 0 wells unless a lesser depth is specially approved. Contamination Water Supply 13 C. CROUNDWATER MONITORING WELLS Monitoring n Well Destruction INCLUDING PIEZOMETERS 1. Minimum surface exal thickness to two Inches of PROPOSED WATER SUPPLY WELL USE cement grout placed by wemle. Replacement Domestic Q New Domeatle D 2. Minimum scal depth for monitoring wells is the Musicipal Γ Irrigation makimum depth practicable or 20 feot. Industrial Other. D. GEUTECHNICAL Buckfill bore hole by tramie with canant grout or comant DRILLING METHOD: An Rotary In groutleand mixture. Upper two-three feet replaced in kind Mud Ratary Auger or with compacted cultings. Other E. CATHODIC Fill hole snode zone with copyrete placed by tremic. ELL DESTRUCTION — Y FR Z Send a map of work site. A separate permit is required DRILLBR'S NAME GRAGE DEILLING WELL DESTRUCTION -DRILLER'S LICENSE NO. 485 165 for wells deeper than 45 feet SPECIAL CONDITIONS ._____ WELL PROJECTS Odll Hole Diameter Maximum Depth 45 n. NOTE: One application must be subinitied for each well or well destruction Multiple borings on one application are acceptable Casing Diameter Owner's Well Number MW-9D for geotechnical and contamination investigations. Surface Seal Depth GEOTECHNICAL PROJECTS Number of Borings_ Maxlinum Death Hole Diameter STARTING DATE COMPLETION DATE APPROVEÓ I hereby agree to comply with all requirements of this permit and Alamede County Ordinance No. 73-68. APPLICANT'S SIONATURE



WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PIIONE (510) 670-6633 James You FAX (510) 782-1939

APPLICANTS: PLEASE ATTACITA SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS DESTRUCTION OF WELLS OVER 45 FIGHT REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION	
FOR APPLICANT TO COMPLETE LOCATION OF PROJECT HOLLIST YELBA BUEN A AV OAK-LAND, COLJEOLNIA	FOR OFFICE USE PERMIT NUMBER WO4-028 WELL NUMBER APN
	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT Name CATELLUS DEVELOPMENT CORP Address ZOI MISSION ST Phone 415 914 4647 City SAN FRANCISCO CALIP 94105	A. GENERAL. 1 A permit application should be submitted so as to arrive at the ACPWA office five days prior to
APPLICANT Name JOHN KEELER LER LEVINETRICKE FOR 510 652 2246 Address 1900 POWELLST Phone 510652 4500 City EMERYVILLE Zip 94608	proposed starting date. 2. Submit to ACPWA within 60 days after completion of hermitted original Department of Water Resources—Well Completion Report. 3. Permit is void if project not begun within 90 days of appreval date B. WATER SUPPLY WELLS
TYPE OF PROJECT Well Construction	1. Minimum surface seal thickness is two inches of coment 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
PROPOSED WATER SUPPLY WELL USE New Domestic (1 Replacement Domestic (1 Municipal (1 Irrigation (1 Industrial (1 Other (1) (1) (1) (1) (1) (1) (1)	1. Mininum aurface seal thickness is two inches of cement grout placed by treme. 2. Minimum seal depth for menitoring wells is the maximum depth practicable or 20 feet.
DRILLING METHOD: Mud Rotary : An Rotary ! Anger !! Cable : Other !!	D. GEOTECHNICAL Backfill bore hole by tremic with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted entrings.
DRILLER'S NAME GREGE DEILLING DRILLER'S LICENSE NO 485 165	F. 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
WELL PROJECTS Drill Hole Diameter in Maximum Casing Diameter in Depth 5 th. Surface Scal Depth ft. Owner's Well Number EX	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 Dorings Maximum Hole Diameter in. Depth 16.	
STARTING DATE 3/24N/34 9-23-04 COMPLETION DATE 3/2/5/04 3-31-04	APPROVED DATES - 22.03
I hereby agree to comply with all requirements of this permit and Alameda County Ordinan APPLICANT'S SIGNATURE TO DATE 3/	
PLBASE PRINT NAME JOHN C KEECER RCV.9-11	B-02



WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-6633 James You

FAX (510) 782-1939 APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE	FOR OFFICE USE
LOCATION OF PROJECT	PERMIT NUMBER WO4-OLKZ WILL NUMBER APN
	PERMIT CONDITIONS Circled Permit Requirements Apply
CLIENT Nume CATELLUS DEVELOPMENT COCP. Address 201 MISSION ST Phone 415 974 4647 City SAN FRANCISCO CAZID 94105	A. GENERAL. 1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
APPLICANT JOHN KEELER LFR LEVINE FRICKE Address 1900 POLICE ST Phone 510 652 2246 City EMERYVILLE Zip 94608	2. Submit to ACPWA within 60 days after completion of lermitted original Department of Water Resources-Well Completion Report. 3. Permit is void if project not begun within 90 days of
City EMERYVILLE ZIP 9 44.08	approval date B. WATER SUPPLY WELLS 1 Minimum surface seal thuckness is two inches of
TYPE OF PROJECT Well Construction Cathodic Protection Water Supply Monitoring Geocechnical Investigation General General Contamination Well Destruction	cement grout placed by fremie. 2. Minimum seal depth is 50 feet for municipal and Industrial wells or 20 feet for domestic and irrigation wells unk as a lesser depth is specially approved. C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
PROPOSED WATER SUPPLY WELL USE New Domestic Replacement Domestic Municipal lengation Industrial Other	1 Minimum surface seal thickness as 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
DRILLING METHOD: Mid Retary An Rotary Auger Cable Other	Rackfill bote hole by tremie with content grout or coment grout/sand mixture. Upper two three feet replaced in kind or with compacted cuttings.
DRILLER'S LICENSTANO 485 165	E. CATHODIC Fill hole anode zone with canengte placed by treme. 1. WELL DESTRUCTION Send a map of work site A suparate permit is required for wells deoper than 45 feet
WELL PROJECTS Drill Hate Diameter in Maximum 5 Casing Diameter in Depth 25 ft, Surface Scal Depth A Owner's Well Number EX-2	G. SPECIAL CONDITIONS NOTE: One application must be submitted for each well or well destruction. Multiple barings on one application are acceptable for geotechnical and contamination investigations.
GEOTECHNICAL PROJECTS Number of Burings Maximum Hole Diameter in Depth ft.	
STARTING DATE 3/24/44 9-23-04	1.15
COMPLETION DATE 3/2/8/04 3-3104	APPROVED DATE
Thereby agree to comply with all requirements of this permit and Ala neda County Ordina	ance No. 73-68.
APPLICANT'S SIGNATURE TECH CIPCOTE 3/ PLEASE PRINT NAME JOHN CKEECER REV.9-	17/04 (
PLEASE PRINT NAME JOHN CKEELER RUV.9-	18.02



WATER RESOURCES SECTION 309 ELMHURST ST. HAYWARD CA. 94544-1395 PHONE (510) 670-6633 James You FAX (510) 782-1939

DRILLING PERMIT APPLICATION	
FOR APPLICANT TO COMPLETE LOCATION OF PROJECT 40TH ST; BEACH ST. TO SAN PABLO AV. EMTERYLLUS AND OAK AND CA	FOR OFFICE USE PERMIT NUMBER WOLL NUMBER APN PERMIT CONDITIONS Circled Fermit Requirements Apply
CLIENT Name CATELLUS DEVELOPMENT CORP. Address ZOL MISSION ST Phone 415 9744647 City SAN FRANCISCO FAZIP 94105 APPLICANT Name JOHN KECLER LFR LEVINETRICKE Address 1900 POLEUST Phone SIDUSZ 4500 City EMERYVILLE 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 bermitted 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
Well Construction Calhodic Protection User Supply U Contamination Monitoring Callodic Protection Well Destruction Contamination	1. Minimum surface seal thickness is two inches of cement grout placed by tremie. 2. Minimum seal depth is 50 feet for inunicipal and Industrial wells or 20 feet for domestic and irrigation wells unless a leaser depth is specially approved. C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS 1. Minimum surface seal thickness is two inches of conent grout placed by tremio. 2. Minimum surface seal thickness is two inches of conent grout seal depth for monitering wells is the maximum depth practicable or 20 feet D. GEOTRCHNICAL Backfill bote hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. F. CATHODIC Fill hole anode zone with expecte placed by tremie. F. WELL DESTRUCTION Send a map of work site A reparate permit is required for wells deeper than 45 feet. G. SPECIAL CONDITIONS
Dill Hole Diameter in Maximum Str. Casing Diameter in Depth 25 ft Owner's Well Number MW-32R Surface Seal Depth ft Owner's Well Number MW-32R	NOTE: One application must be submitted for each well of well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.
Number of Burings Maximum Hole Diameter in Depth 1. TARTING DATE 3/24/93	**************************************
COMPLETION DATE 3/24/93	APPROVED MAND DATE 3-75

PLEASE PRINT NAME JOHN C

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

APPLICANT'S SIGNATURE



WATER RESOURCES SECTION 399 ELMHURST ST. HAYWARD, CA. 94544-1395 PHONE (510) 670-6633 James Yoo FAX (510) 782-1939

PERMIT NO. W04-0262-0283

WATER RESOURCES SECTION GROUNDWATER PROTECTION ORDINANCE Destruction of Wells (Less than 45 feet in depth)

Destruction Requirements: PRESSURE GROUTING # 1

- 1) Remove any casing(s) and annular seal to 3-5 feet below finished grade of original ground, whichever is the lower elevation. If well(s) are obstructed, then drill out to original depth.
- 2) Destroy well by grouting neat cement with a treme pipe or pressure grouting (25 psi for 5min) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between easing and soil
- After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.
- Drilling permits are valid from the start date to the completion date. Permits can be extended by a phone call, but drilling permit applications will not be extended beyond 90 days from the approved start date. Permit is valid from March 23 to March 31, 2004.
- Permitte, permittee's, contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on-or off site storm sewers, dry wells, or waterways or be allowed to move off the property where wok is being completed.
- Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. This permit may be voided if it contains incorrect information.
- 7) Drilling Permit(s) can be voided/ canceled only in writing. It is the applicants responsibilities to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.
- 8) Compliance with the above well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mall original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including: permit number and site map.
- 9) Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, desend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

APPENDIX B

DWR Form 188 Well Completion Reports

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)