BLYMYER
ENGINEERS, INC.

November 12, 1992
BEI Job 92013

Ms. Juliet Shin
Alameda County Health Care Services Agency
Department of Environmental Health
UST Local Oversight Program
80 Swan Way, Room 200
Oakland, CA 94621

Subject: K/D Cedar Supply Company
22008 Meekland Avenue, Hayward, CA
Monthly Water Level Monitoring

Dear Ms. Shin:

Please find enclosed the monthly water level monitoring results for the months of May and June 1992. A groundwater elevation survey was performed and the results are enclosed in Table I together with Blymyer Engineers, Inc.'s Well Purging and Sampling Data sheet. The calculated groundwater flow direction for the two measurements as depicted on Figures A and B, show groundwater to be flowing in a westerly to southwesterly direction.

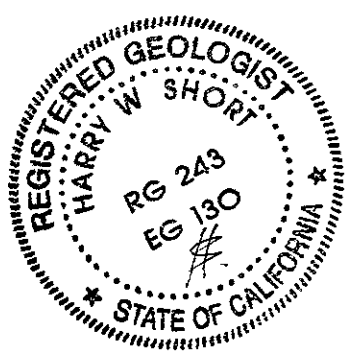
Please call if you have any questions.

Cordially,

Blymyer Engineers, Inc.

Ramon Khu
Environmental Engineer

Harry W. Short, R.G.
Senior Geologist



Enclosures
cc: Mr. Andy Macko, K/D Cedar Supply

(510) 521-3773 • 1829 Clement Avenue, Alameda, California 94501-1395 • FAX (510) 865-2594

TABLE 1. Groundwater Elevation Survey Results
K/D Cedar Supply Company
22008 Meekland Avenue, Hayward, CA
BEI Job No. 92013

Well Identification	Date	TOC Elevation (feet)*	Depth to Water (feet from TOC)	Groundwater Surface Elevation (feet)*
MW-1	5/27/92	63.77	34.41	29.36
	6/25/92		34.77	29.00
MW-2	5/27/92	63.61	34.27	29.34
	6/25/92		34.64	28.97
MW-3	5/27/92	63.63	34.27	29.36
	6/25/92		34.64	28.99

TOC = Top of Well Casing

* = Based on Alameda County Datum (National Geodetic Vertical Datum)

WELL PURGING AND SAMPLING DATA

DATE 5/27/92 PROJECT NUMBER 92013 PROJECT NAME KD Cedar / Hayward CA

WELL NUMBER MW-1 BORING DIAMETER N/A CASING DIAMETER 2"

Column of Liquid in Well		Volume to be Removed		
Depth to product	N/A	Gallon per foot of casing	=	
Depth to water	34.41 FT	Column of water	x	
		Volume of casing	=	
Total depth of well		Number of volumes to remove	x	
Column of water		Total volume to remove	=	

Method of measuring liquid Oil/water interface probe

Method of purging well _____ rate _____

Method of decon _____

Physical appearance of water (clarity, color, particulates, odor)

Initial _____

During _____

Final _____

Field Analysis	Initial	During		Final
Time				
Temperature (F)				
Conductivity (us/cm)				
Ph				

Method of measurement _____

Total volume purged _____

Comments Depth to water measurement only

Sample Number _____ Amount of Sample _____

Signed/Sampler Steph W Moore Date 5/27/92

Signed/Reviewer Ramon Klu Date 6/2/92

BEI/swm 11/7/91

WELL PURGING AND SAMPLING DATA

DATE 5/27/92 PROJECT NUMBER 92013 PROJECT NAME KD Cedar / Hayward CA

WELL NUMBER MW-2 BORING DIAMETER N/A CASING DIAMETER 2"

Column of Liquid in Well		Volume to be Removed		
Depth to product	N/A	Gallon per foot of casing	=	
Depth to water	34.27 FT	Column of water	x	
		Volume of casing	=	
Total depth of well		Number of volumes to remove	x	
Column of water		Total volume to remove	=	

Method of measuring liquid Oil / water interface probe

Method of purging well _____ rate _____

Method of decon _____

Physical appearance of water (clarity, color, particulates, odor)

Initial _____

During _____

Final _____

Field Analysis	Initial	During		Final
Time				
Temperature (F)				
Conductivity (us/cm)				
Ph				

Method of measurement _____

Total volume purged _____

Comments Depth to water measurement only

Sample Number _____ Amount of Sample _____

Signed/Sampler Stephen W Moore Date 5/27/92

Signed/Reviewer Ramon Klein Date 6/2/92

BEI/swm 11/7/91

WELL PURGING AND SAMPLING DATA

DATE 5/27/92 PROJECT NUMBER 92013 PROJECT NAME KD Cedar / Hayward CA

WELL NUMBER MW-3 BORING DIAMETER N/A CASING DIAMETER 2"

Column of Liquid in Well

Depth to product N/A

Depth to water 34.27 FT

Total depth of well _____

Column of water _____

Volume to be Removed

Gallon per foot of casing = _____

Column of water x _____

Volume of casing = _____

Number of volumes to remove x _____

Total volume to remove = _____

Method of measuring liquid Oil/water interface probe

Method of purging well _____ rate _____

Method of decon _____

Physical appearance of water (clarity, color, particulates, odor)

Initial _____

Dunng _____

Final _____

Field Analysis	Initial	During		Final
Time	_____	_____	_____	_____
Temperature (F)	_____	_____	_____	_____
Conductivity (us/cm)	_____	_____	_____	_____
Ph	_____	_____	_____	_____

Method of measurement _____

Total volume purged _____

Comments Depth to water measurement only

Sample Number _____ Amount of Sample _____

Signed/Sampler Stephen W Morse Date 5/27/92

Signed/Reviewer Ramon Ehm Date 6/2/92

BEI/swm 11/7/91

WELL PURGING AND SAMPLING DATA

DATE 6/25/92 | PROJECT NUMBER 92013 | PROJECT NAME K D CEDAR

WELL NUMBER MW-1 | BORING DIAMETER N/A | CASING DIAMETER 2"

Column of Liquid in Well

Depth to product: N/A

Depth to water: 34.77 FT

Total depth of well: _____

Column of water: _____

Volume to be Removed

Gallon per foot of casing = N/A

Column of water x _____

Volume of casing = _____

Number of volumes to remove x _____

Total volume to remove = _____

Method of measuring liquid: OIL/WATER INTERFACE PROBE

Method of purging well: N/A rate _____

Method of decon: ALCONOX AND DISTILLED WATER

Physical appearance of water (clarity, color, particulates, odor)

Initial _____

During _____

Final _____

Field Analysis	Initial	During		Final
Time	_____	_____	_____	_____
Temperature (F) N/A	_____	_____	_____	_____
Conductivity (us/cm)	_____	_____	_____	_____
Ph	_____	_____	_____	_____

Method of measurement: N/A

Total volume purged _____

Comments: DEPTH TO WATER MEASUREMENT ONLY

Sample Number: N/A | Amount of Sample _____

Signed/Sampler: Steph W Mac | Date 6/25/92

Signed/Reviewer: Kamron Kha | Date 6/29/92

BEI/swm 11/7/91

WELL PURGING AND SAMPLING DATA

DATE 6/25/92 PROJECT NUMBER 92013 PROJECT NAME K D CEDAR

WELL NUMBER MW-2 BORING DIAMETER N/A CASING DIAMETER 2"

Column of Liquid in Well

Depth to product	N/A
Depth to water	34.64
Total depth of well	
Column of water	

Volume to be Removed

Gallon per foot of casing	=	N/A
Column of water	x	
Volume of casing	=	
Number of volumes to remove	x	
Total volume to remove	=	

Method of measuring liquid OIL/WATER INTERFACE PROBE

Method of purging well _____ rate _____

Method of decon _____

Physical appearance of water (clarity, color, particulates, odor)

Initial _____

During _____

Final _____

Field Analysis	Initial	During		Final
Time				
Temperature (F)				
Conductivity (us/cm)				
Ph				

Method of measurement N/A

Total volume purged _____

Comments DEPTH TO WATER MEASUREMENT ONLY

Sample Number N/A Amount of Sample _____

Signed/Sampler Stephen W Mun Date 6/25/92

Signed/Reviewer Ramon Kw Date 6/29/92

BEI/swm 11/7/91

WELL PURGING AND SAMPLING DATA

DATE 6/25/92 PROJECT NUMBER 92013 PROJECT NAME K D CEDAR

WELL NUMBER MW-3 BORING DIAMETER N/A CASING DIAMETER 2"

Column of Liquid in Well

Depth to product: N/A

Depth to water: 34.64

Total depth of well: _____

Column of water: _____

Volume to be Removed

Gallon per foot of casing = N/A

Column of water x _____

Volume of casing = _____

Number of volumes to remove x _____

Total volume to remove = _____

Method of measuring liquid: OIL/WATER INTERFACE PROBE

Method of purging well: N/A rate _____

Method of decon: ALCONOX AND DISTILLED WATER

Physical appearance of water (clarity, color, particulates, odor)

Initial: N/A

During: _____

Final: _____

Field Analysis		Initial	During		Final
Time					
Temperature (F)	N/A				
Conductivity (us/cm)					
Ph					

Method of measurement: N/A

Total volume purged: _____

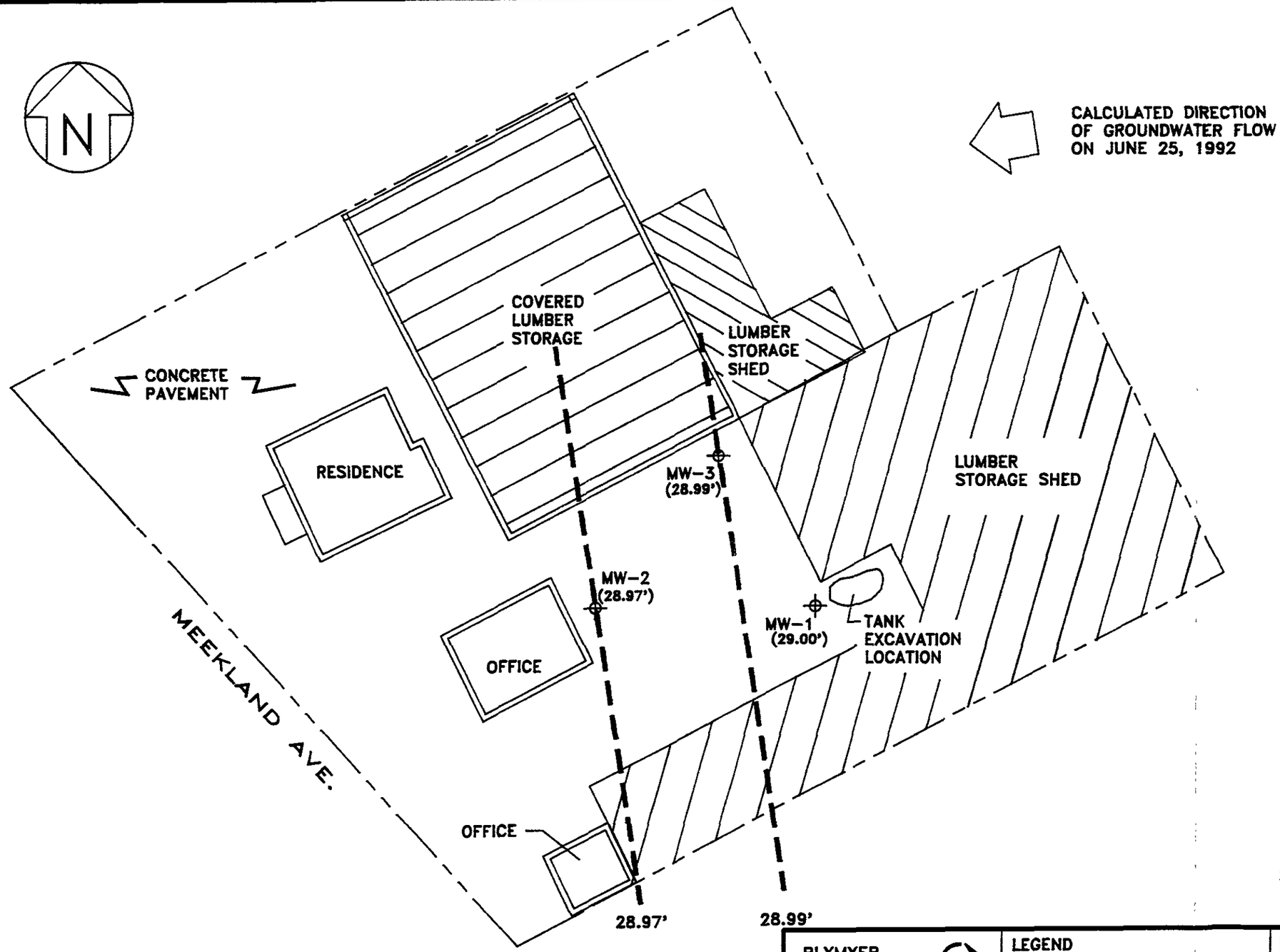
Comments: DEPTH TO WATER MEASUREMENT ONLY

Sample Number: N/A Amount of Sample: _____

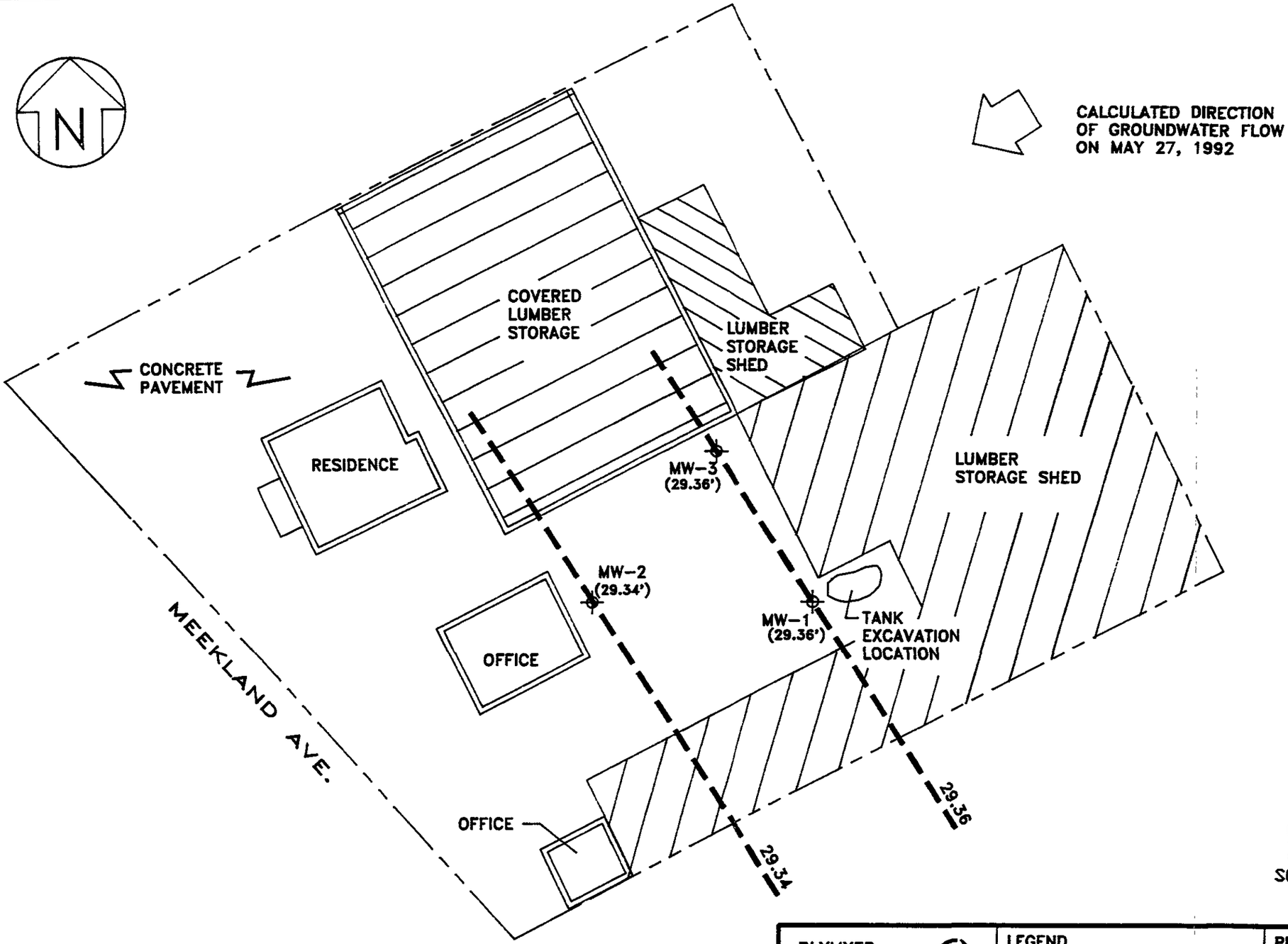
Signed/Sampler: Steph W Moore Date: 6/25/92

Signed/Reviewer: Ramon Klein Date: 6/29/92

BEI/swm 11/7/91



BLYMYER ENGINEERS, INC. (BEI)	LEGEND	PROJECT	FIGURE
BEI JOB NO. 92013 / DATE 11/92	⌖ MONITORING WELL LOCATION (29.00') WATER SURFACE ELEV. ON 6/25/92 BASED ON ALAMEDA COUNTY DATUM (NATIONAL GEODETIC VERTICAL DATUM)	K/D CEDAR SUPPLY HAYWARD, CA GROUNDWATER GRADIENT ON 6/25/92	B



BLYMYER ENGINEERS, INC. (BEI)	LEGEND	PROJECT	FIGURE
BEI JOB NO. 92013 / DATE 11/92	⊕ MONITORING WELL LOCATION (29.59') WATER SURFACE ELEV. ON 5/27/92 BASED ON ALAMEDA COUNTY DATUM (NATIONAL GEODETIC VERTICAL DATUM)	K/D CEDAR SUPPLY HAYWARD, CA GROUNDWATER GRADIENT ON 5/27/92	A