

JCH
JOHN C. HOM & ASSOCIATES

Geotechnical Consultants
 1618 Second Street
 San Rafael, CA 94901

JOB 19051 Lake Chabot Road (650.1)
 SHEET NO. 1 OF _____
 CALCULATED BY DHR DATE 7/29/91
 CHECKED BY _____ DATE _____
 SCALE _____

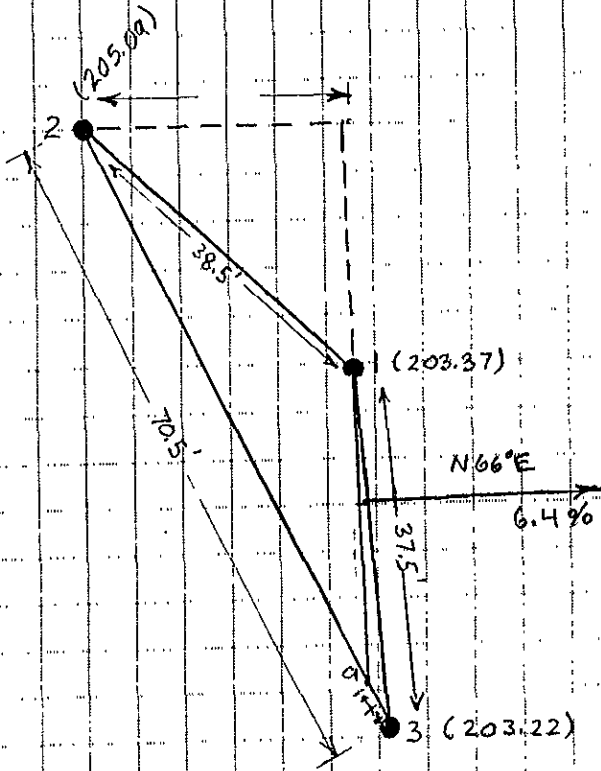
Monitoring well # (NET) (As labeled by JCH & A)	Top of casing elevation	Depth to water	Elevation of the top of the water column
MW-1 (NET) # 2 (JCH & A)	218.93'	13.84'	205.09'
MW-2 (NET) # 1 (JCH & A)	211.11'	7.74'	203.37'
MW-3 (NET) # 3 (JCH & A)	211.77'	8.55'	203.22'
MW-4 (NET) # 4 (JCH & A)	215.49'	11.30'	204.19'

Measurements Recorded 5/24/91

JCH
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JOB 19051 Lake Chabot Road (650.1)
 SHEET NO. 2 OF _____
 CALCULATED BY DHR DATE 7/29/91
 CHECKED BY _____ DATE _____
 SCALE 1" = 20'



Line from well #1 to point a is the line of strike of the planar surface of the water table

distance x = distance from well #3 to point a.

point a is at the same elevation as well #1, but lies along the line from well #2 to well #3.

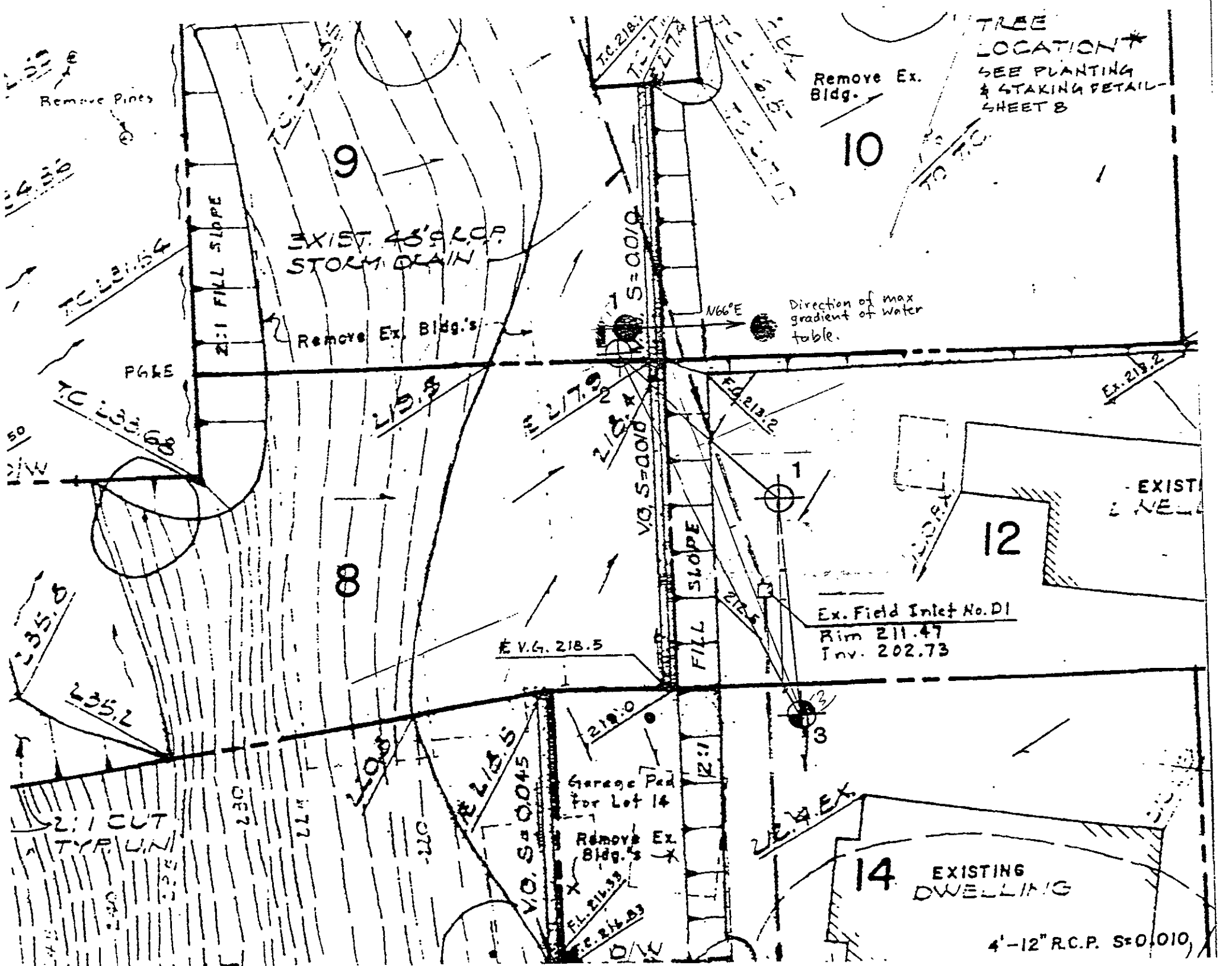
Wells # 1, #2, #3

Finding Point a:
$$\frac{203.37 - 203.22}{205.09 - 203.22} = \frac{.15}{1.87} = \frac{x}{70.5'} \quad x = 5.66'$$

Gradient Calculation:
$$\frac{205.09 - 203.37}{27.0} = \frac{1.72}{27.0} = 6.4\%$$

N66°E = direction of gradient of water table

Measurements taken 5/24/91



Remove Pines

Remove Ex. Bldg.

TREE LOCATION*
SEE PLANTING & STAKING DETAIL-SHEET 8

EXIST. 48" RCP STORM DRAIN

Remove Ex. Bldg.'s

Direction of max gradient of water table.

EXIST. WELL

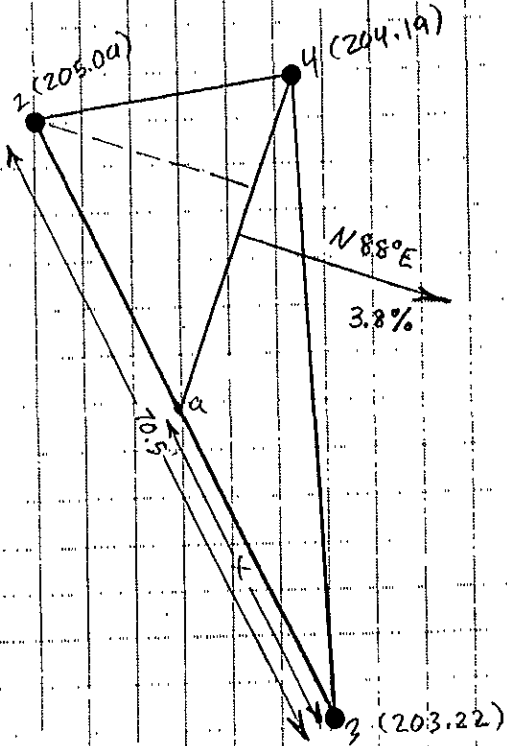
Ex. Field Inlet No. D1
Rim 211.47
Inv. 202.73

Storage Pad for Lot 14

Remove Ex. Bldg.'s

EXISTING DWELLING

4'-12" R.C.P. S=0.010



Wells #2, #3, #4

Finding point a:
$$\frac{204.19 - 203.22}{205.00 - 203.22} = \frac{x}{70.5'} = \frac{0.97}{1.87} \quad x = 36.57'$$

Gradient calculation:
$$\frac{205.00 - 204.19}{24.0} = 3.8\%$$

N 88° E = direction of gradient of water table

Measurement taken 5/24/91

Line from well #4 to a is the line of strike of the planar surface of the water table.

distance x = distance from well #3 to point a.

point a is at the same elevation as well #4, but along the line from well #2 to well #3.

Remove Pines

TREE LOCATION
SEE PLANTING & STAKING DETAIL SHEETS

Remove Ex. Bldg.

EXIST. 48" R.C.P. STORM DRAIN

Remove Ex. Bldg.'s

PG&E

direction of max gradient of water table
N85°E

EXIST. WELL

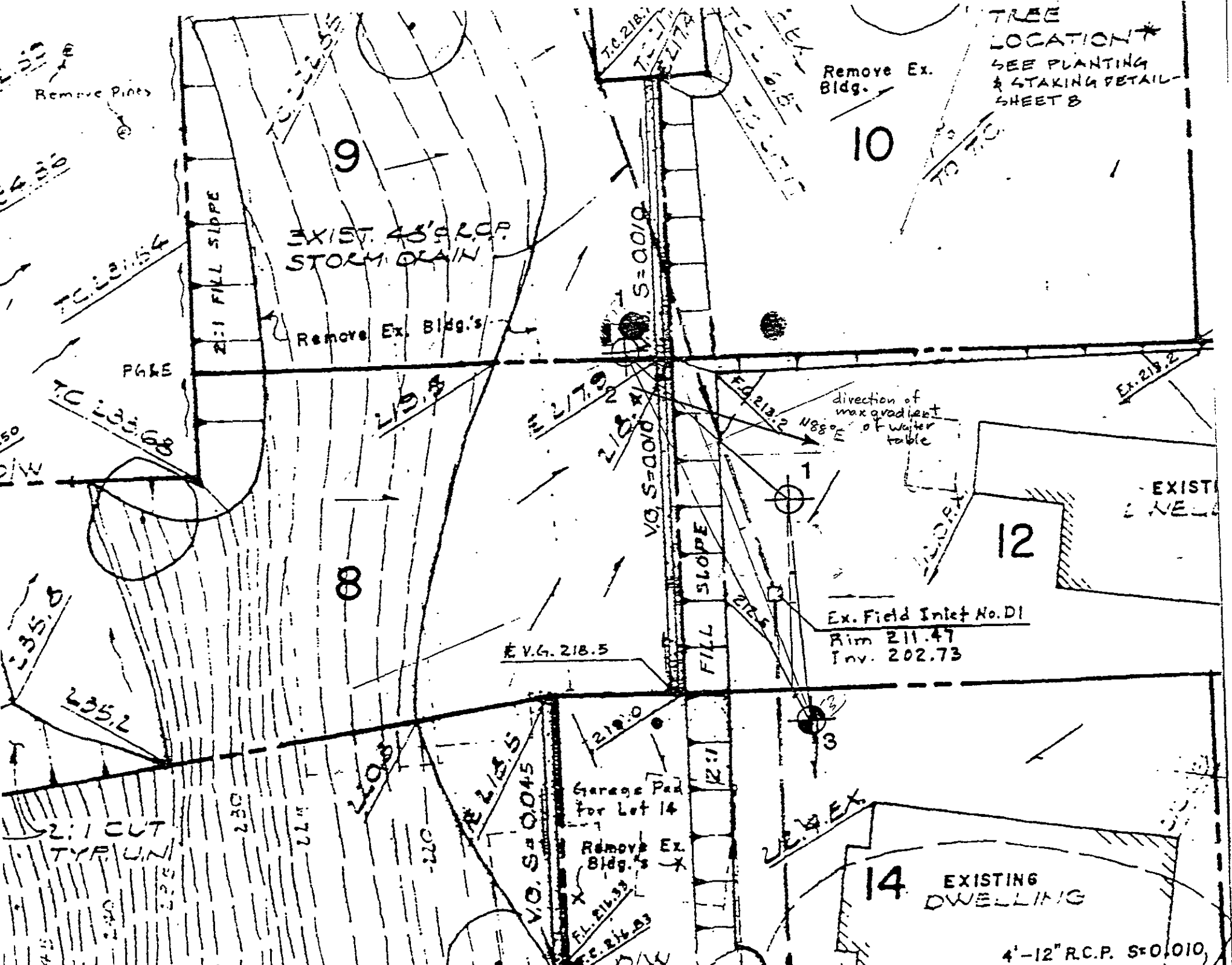
Ex. Field Inlet No. D1
Rim 211.47
Inv. 202.73

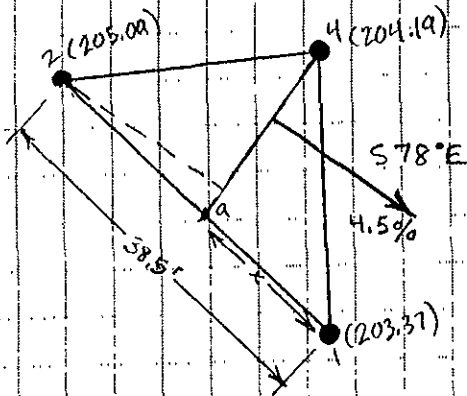
Garage Pad for Lot 14

Remove Ex. Bldg.'s

EXISTING DWELLING

4'-12" R.C.P. S=0.010





line from Well #4 to point a
 is the strike of the planar
 surface of the water table.

distance x = the distance
 from well #1 to point a

point a is the same elevation
 as well #4 but along the line
 from well #1 to well #2

Finding point a:

$$\frac{204.19 - 203.37}{205.09 - 203.37} = \frac{.82}{1.72} = \frac{x}{38.5} \quad x = 18.35'$$

Calculation of Gradient:

$$\frac{205.09 - 204.19}{20.0} = \frac{.9}{20.0} = 4.5\%$$

S 78° E = direction of gradient of water table

Measurement recorded on 5/24/91

TYPICAL TREE LOCATION*
SEE PLANTING & STAKING DETAIL SHEET B

Remove Ex. Bldg.

10

#4

Parameter	Reporting Limit	Date 11/02/90	Date 2/11/91	Date 6/06/91
Petroleum Hydrocarbons		--	--	--
Volatile Matter as Gasoline	0.05	ND	ND	ND
Benzene	0.5	ND	ND	ND
Ethylbenzene	0.5	ND	ND	ND
Toluene	0.5	ND	ND	ND
Xylenes, Total	0.5	ND	ND	ND

EXIST. 48" RCP STORM DRAIN

9

#2

Parameter	Reporting Limit	Date 11/02/90	Date 2/11/91	Date 6/06/91
Petroleum Hydrocarbons		--	--	--
Volatile Matter as Gasoline	0.05	ND	0.16	0.52
Benzene	0.5	ND	12	23
Ethylbenzene	0.5	ND	7.9	ND
Toluene	0.5	ND	ND	ND
Xylenes, Total	0.5	ND	20	19

#1

Parameter	Reporting Limit	Date 11/02/90	Date 2/11/91	Date 6/06/91
Petroleum Hydrocarbons		--	--	--
Volatile Matter as Gasoline	0.05	ND	ND	0.05
Benzene	0.5	0.8	ND	ND
Ethylbenzene	0.5	ND	ND	ND
Toluene	0.5	1.1	ND	ND
Xylenes, Total	0.5	2.1	ND	ND

EXISTING LINE LINES

Ex. Field Inlet No. D1
Rim 211.47
Inv. 202.73

#3

Parameter	Reporting Limit	Date 11/02/90	Date 2/11/91	Date 6/06/91
Petroleum Hydrocarbons		--	--	--
Volatile Matter as Gasoline	0.05	ND	ND	ND
Benzene	0.5	0.7	ND	ND
Ethylbenzene	0.5	ND	ND	ND
Toluene	0.5	0.8	ND	ND
Xylenes, Total	0.5	2.2	ND	ND

Garage Pad for Lot 14

Remove Ex. Bldg. X

2:1 FILL SLOPE

V.G. S=0.010

2:1 FILL SLOPE

2:1 FILL SLOPE

Pines

PG&E

CUT LINE

F.G. 214.0

Ex. 213.2

E.V.G. 218.5

V.G. S=0.045

E 213.5

218.0

210.3

217.2

230

217

214.8

Rem

Install