



INGRAM MASON & FAIRBAIRN

A DIVISION OF IMFC CORPORATION

ENVIRONMENTAL PROTECTION

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98 NOV 18 PM 4:30

Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Material Division
1131 Harbor Bay Parkway
Alameda, California 94502-6577

November 16, 1998

Attention: Ms. Madhulla Logan

Subject: Corrective Action Plan Reports
2504 MacArthur Boulevard
Oakland, California 94602

Dear Ms. Logan:

Pursuant to our conversation of November 12, 1998, regarding the corrective action plan reports for the site located at 2504 MacArthur Boulevard, Oakland, California; enclosed please find a copy of the table entitled "Cumulative Groundwater Monitoring Data, 11/95-09/98." Also, enclosed are the groundwater potentiometric level maps for November 1997, and for February, May, and August 1998. These contour maps, developed at your request, show that site-specific groundwater flow direction over a one-year period has remained basically toward the south with the gradient ranging from 0.018 ft/ft to 0.037 ft/ft.

As we discussed, the site is located at the heel of gently sloping Oakland Hills. The lithologic sequences of alluvial deposits consist of interbedded strata of silt and clay with some sand to at least 42 feet below ground surface. The analysis of generated data suggests that a confined aquifer is located underneath the site at an approximate depth of 30 feet. Due to the site's lithologic makeup, the aquifer's ceiling conditions appear to be relatively tight. Consequently, the potential contamination at the higher horizon (5 to 9 feet below ground surface) has apparently not impacted the groundwater.

If you have any comments or questions, please do not hesitate to call us.

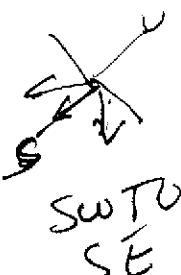
Very truly yours,

Fred A. Serafin
Director, Environmental Services

Enclosures

cc: M. Marr, 27737 Fallen Leaf Court, Hayward, CA 94542

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<u>Well Date</u>	<u>Wellhead * Elevation</u>	<u>Depth to Water</u>	<u>Elevation of Groundwater</u>	<u>Field Observations</u>
<u>MW-B1</u>				
07/11/95	198.19	9.70	188.49	None
11/06/96		8.60	189.59	None
12/12/96		7.40	190.79	None
01/23/97		5.20	192.99	None
02/27/97		5.95	192.24	None
03/26/97		6.03	192.16	None
04/25/97		6.21	191.98	None
05/23/97		7.01	191.18	None
06/27/97		7.06	191.13	None
07/22/97		7.66	190.53	None
08/22/97		8.20	189.99	None
11/25/97		7.05	191.14	None
02/24/98		5.00	193.19	None
05/22/98		6.82	191.27	None
08/20/98		7.90	190.29	None

<u>MW-B3</u>				
07/11/95	201.41	9.22	192.19	None
11/06/96		11.38	190.03	None
12/12/96		9.28	192.13	None
01/23/97		8.05	193.36	None
02/27/97		8.40	193.01	None
03/26/97		8.49	192.92	None
04/25/97		8.72	192.69	None
05/23/97		9.18	192.23	None
06/27/97		9.32	192.09	None
07/22/97		10.26	191.15	None
08/22/97		10.27	191.14	None
11/25/97		9.15	192.26	None
02/24/98		7.23	194.18	None
05/22/98		8.41	193.00	None
08/20/98		9.80	191.61	None



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2504 MacArthur Boulevard
Oakland, California

CUMULATIVE GROUNDWATER
MONITORING DATA 11/95 - 09/98

PROJECT NO.	DATE	TABLE NO. 1
MAR-101J	September 1998	Page 1 of 2

<u>Well Date</u>	<u>Wellhead * Elevation</u>	<u>Depth to Water</u>	<u>Elevation of Groundwater</u>	<u>Field Observations</u>
<u>MW-B5</u>				
07/11/95	201.39	9.26	192.13	None
11/06/96		10.28	191.11	None
12/12/96		9.58	191.81	None
01/23/97		8.28	193.11	None
02/27/97		8.40	192.99	None
03/26/97		8.53	192.86	None
04/25/97		8.88	192.51	None
05/23/97		9.51	191.88	None
06/27/97		9.73	191.66	None
07/22/97		10.20	191.19	None
08/22/97		10.23	191.16	None
11/25/97		9.15	192.24	None
02/24/98		7.78	193.61	None
05/22/98		8.02	193.37	None
08/20/98		9.96	191.43	None

* Wellhead Elevations based on a site survey by Brian Kangas Foulk Consulting Engineers of Walnut Creek, California, dated July 14, 1995.



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Oakland, California

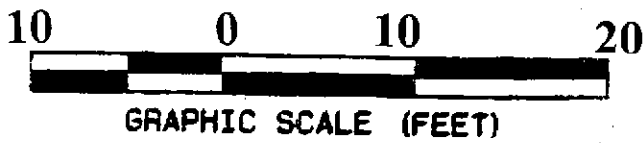
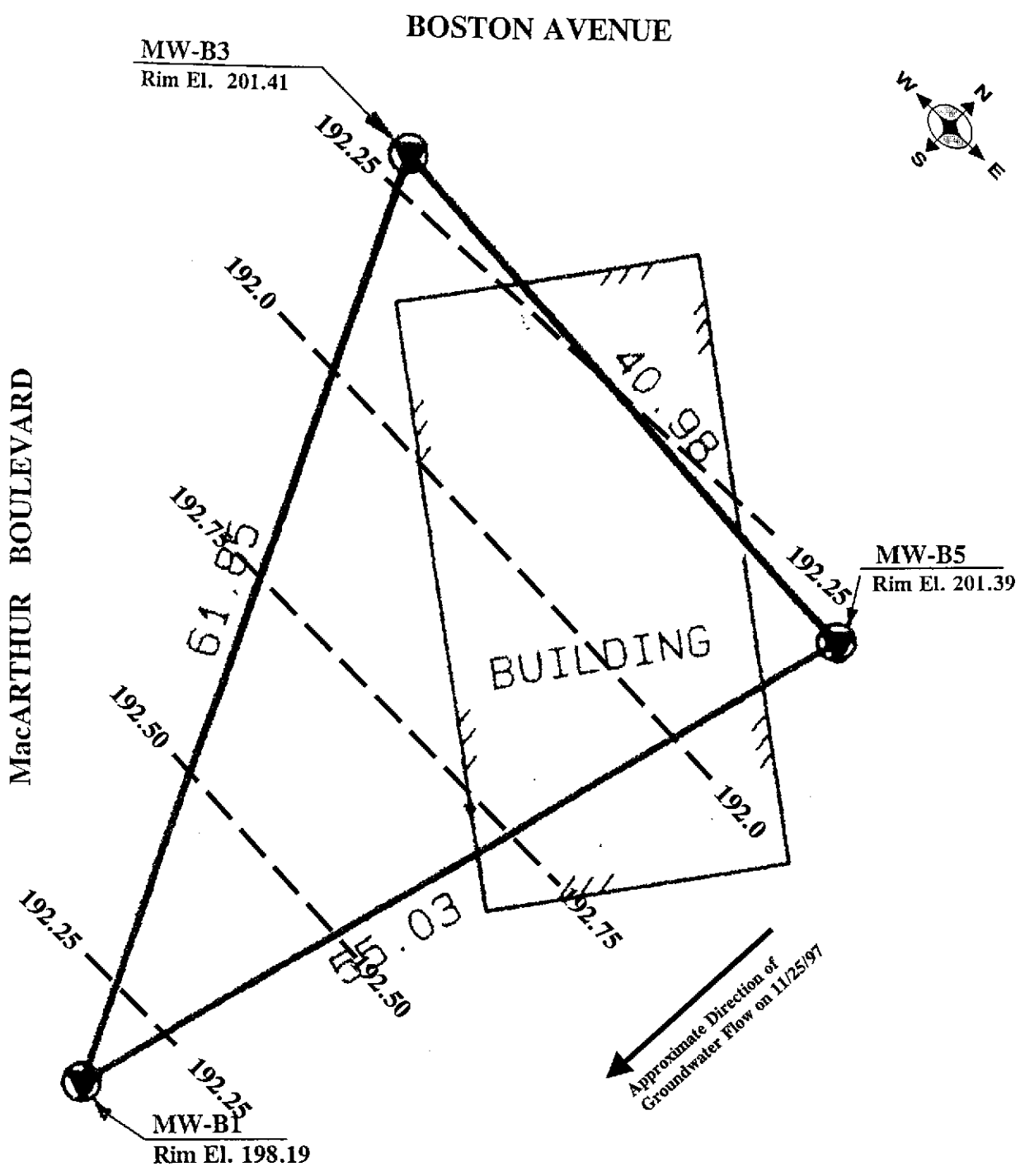
CUMULATIVE GROUNDWATER
MONITORING DATA 11/95 - 09/98

PROJECT NO.	DATE	TABLE NO. 1
MAR-101J	September 1998	Page 2 of 2

BOSTON AVENUE



MacARTHUR BOULEVARD



LEGEND

---191--- Groundwater Contours & Elevations



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 2504 MacArthur Boulevard
 Oakland, California

GROUNDWATER POTENTIOMETRIC LEVELS

November 1997

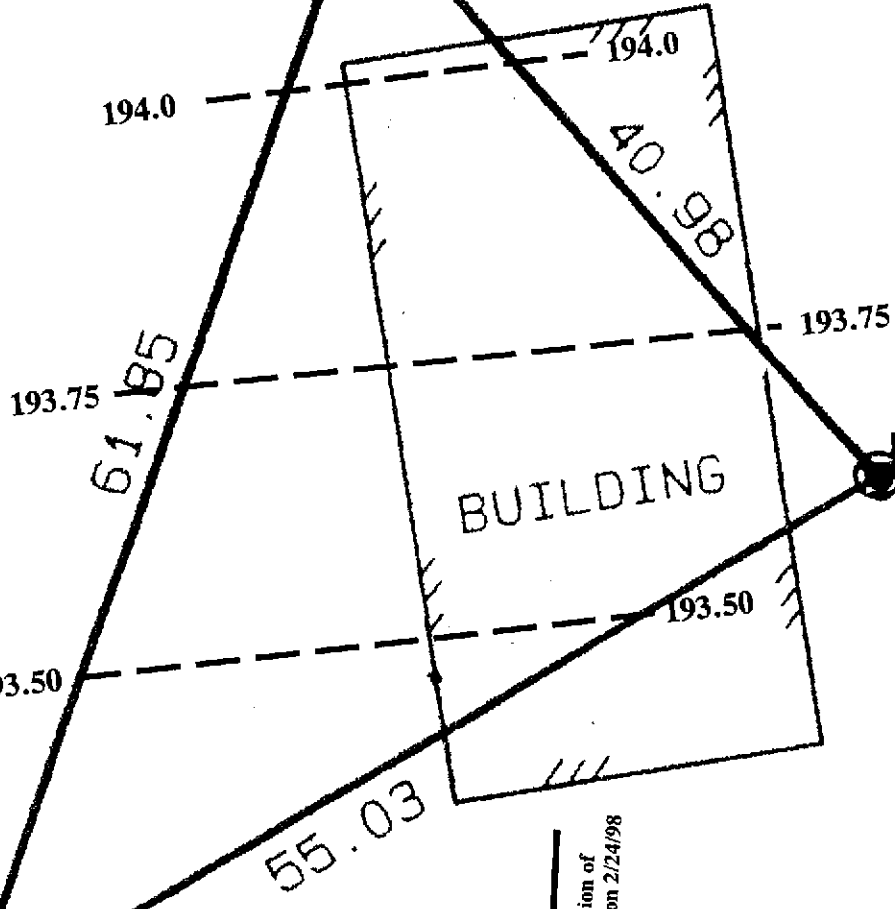
PROJECT NO.	DATE	FIGURE NO.
MAR-101J	November 1998	A-1

BOSTON AVENUE



MW-B3
Rim El. 201.41

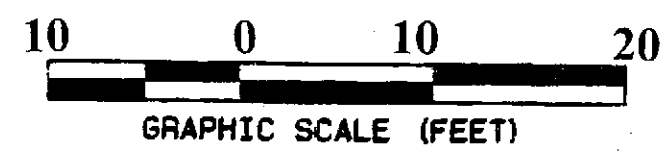
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MW-B5
Rim El. 201.39

MW-B1
Rim El. 198.19

Approximate Direction of
Groundwater Flow on 2/24/98



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---191--- Groundwater Contours
& Elevations



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Oakland, California

GROUNDWATER POTENTIOMETRIC LEVELS

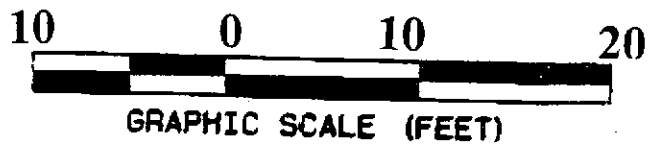
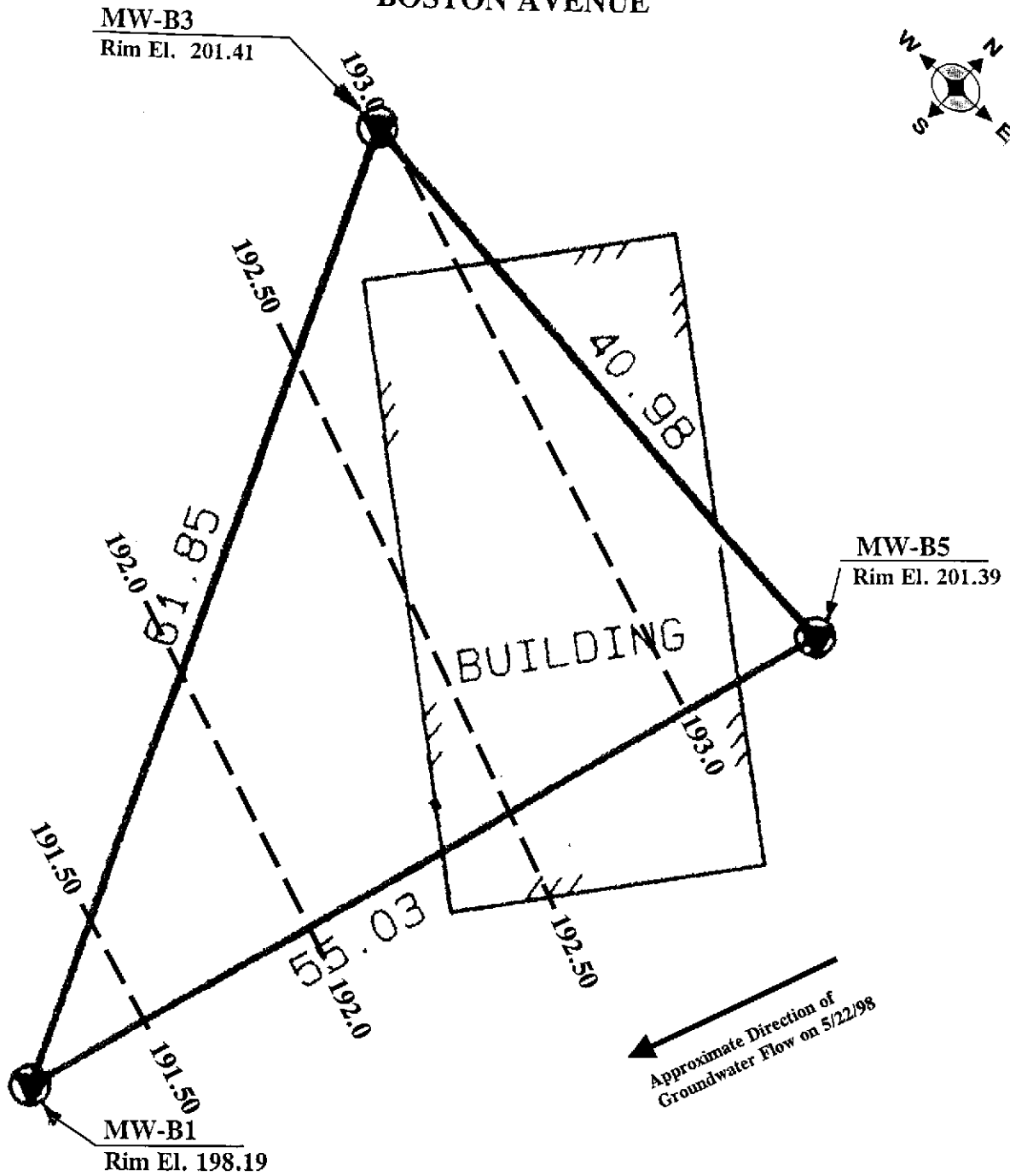
February 1998

PROJECT NO.	DATE	FIGURE NO.
MAR-101J	November 1998	A-2

BOSTON AVENUE



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 Oakland, California

GROUNDWATER POTENTIOMETRIC LEVELS

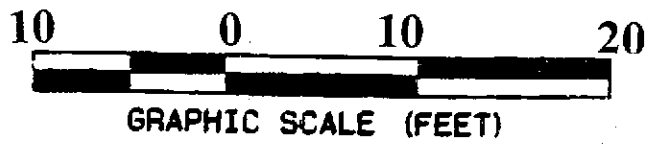
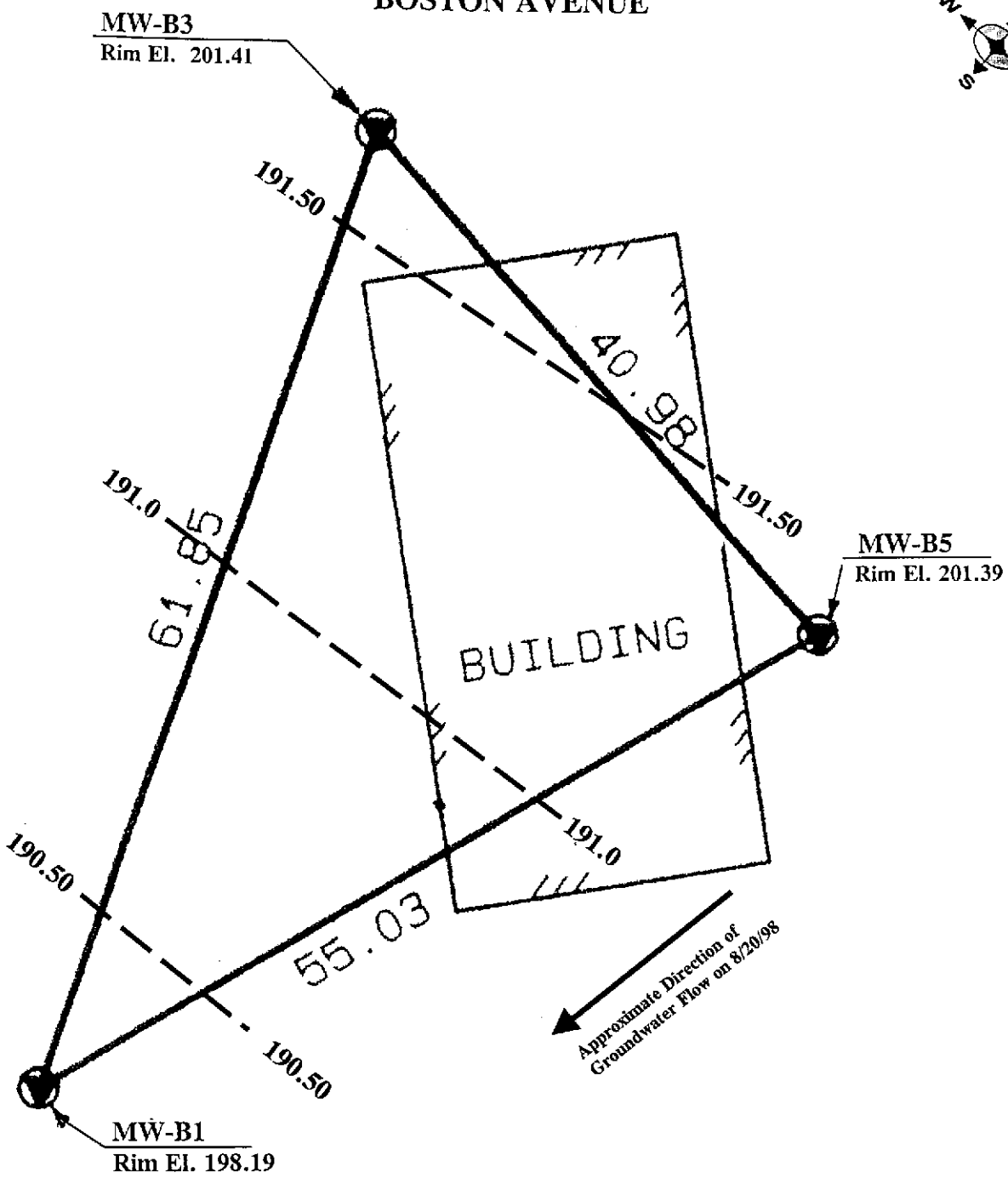
May 1998

PROJECT NO.	DATE	FIGURE NO.
MAR-101J	November 1998	A-3

BOSTON AVENUE



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---191--- Groundwater Contours & Elevations



MARR & ASSOCIATES
 2504 MacArthur Boulevard
 Oakland, California

GROUNDWATER POTENTIOMETRIC LEVELS

August 1998

PROJECT NO.	DATE	FIGURE NO.
MAR-101J	November 1998	A-4