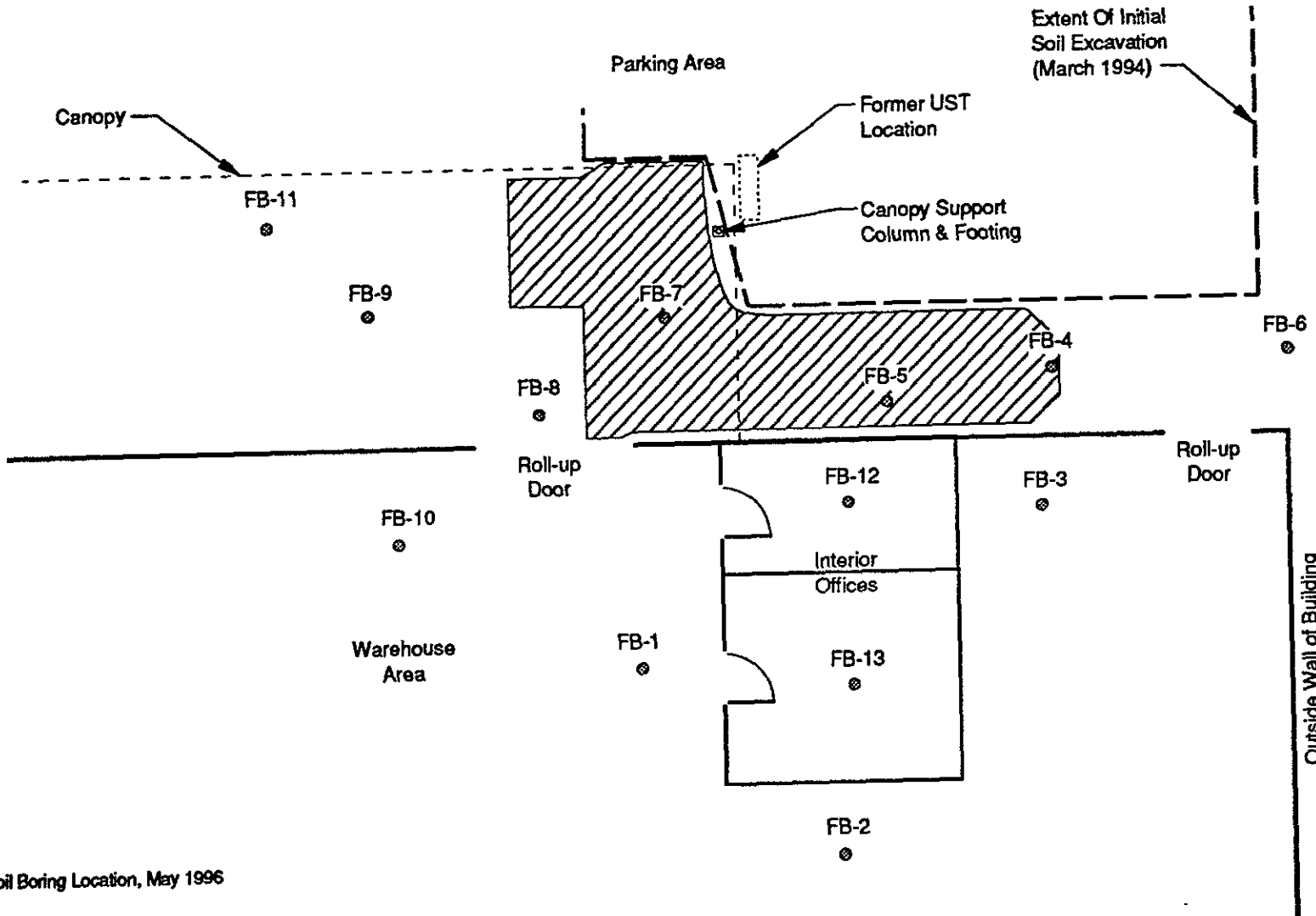
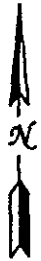


PROJECT NO.
7703.022

**LABORATORY ANALYTICAL RESULTS
FROM GROUND-WATER SAMPLES**
Housing Authority of the City of Alameda
Alameda, California

Figure 6

Versar Inc.



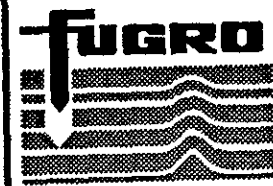
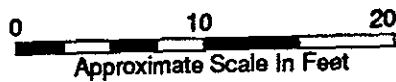
LEGEND

FB-13
● Soil Boring Location, May 1996

 Area of Soil Excavation

NOTES:

All Locations Are Approximate



DRAWN BY: J. Paradis

DATE: May 31, 1996

REVISED BY: J. Paradis

DATE: September 19, 1996

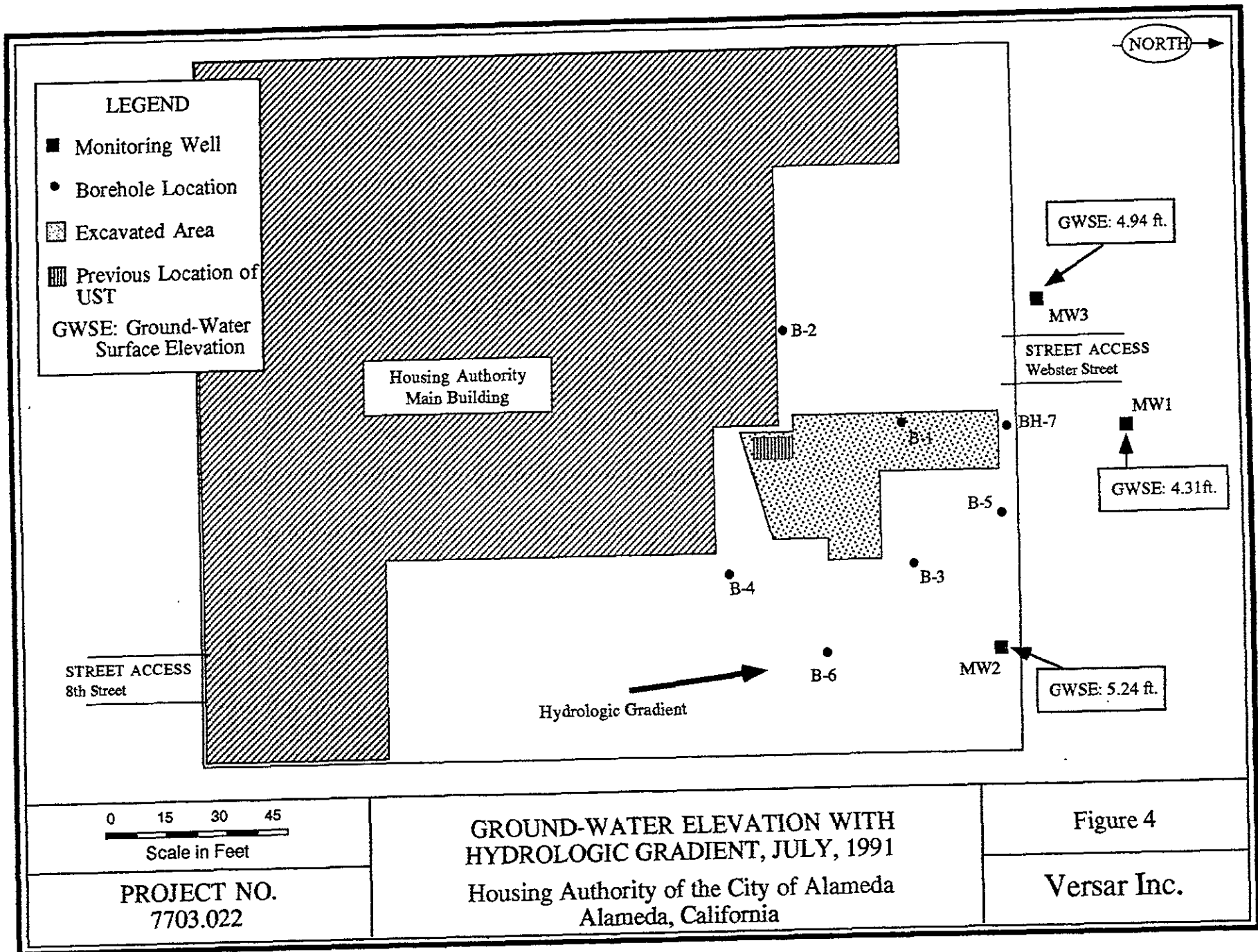
EXCAVATION AREA MAP

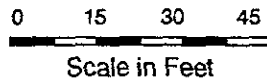
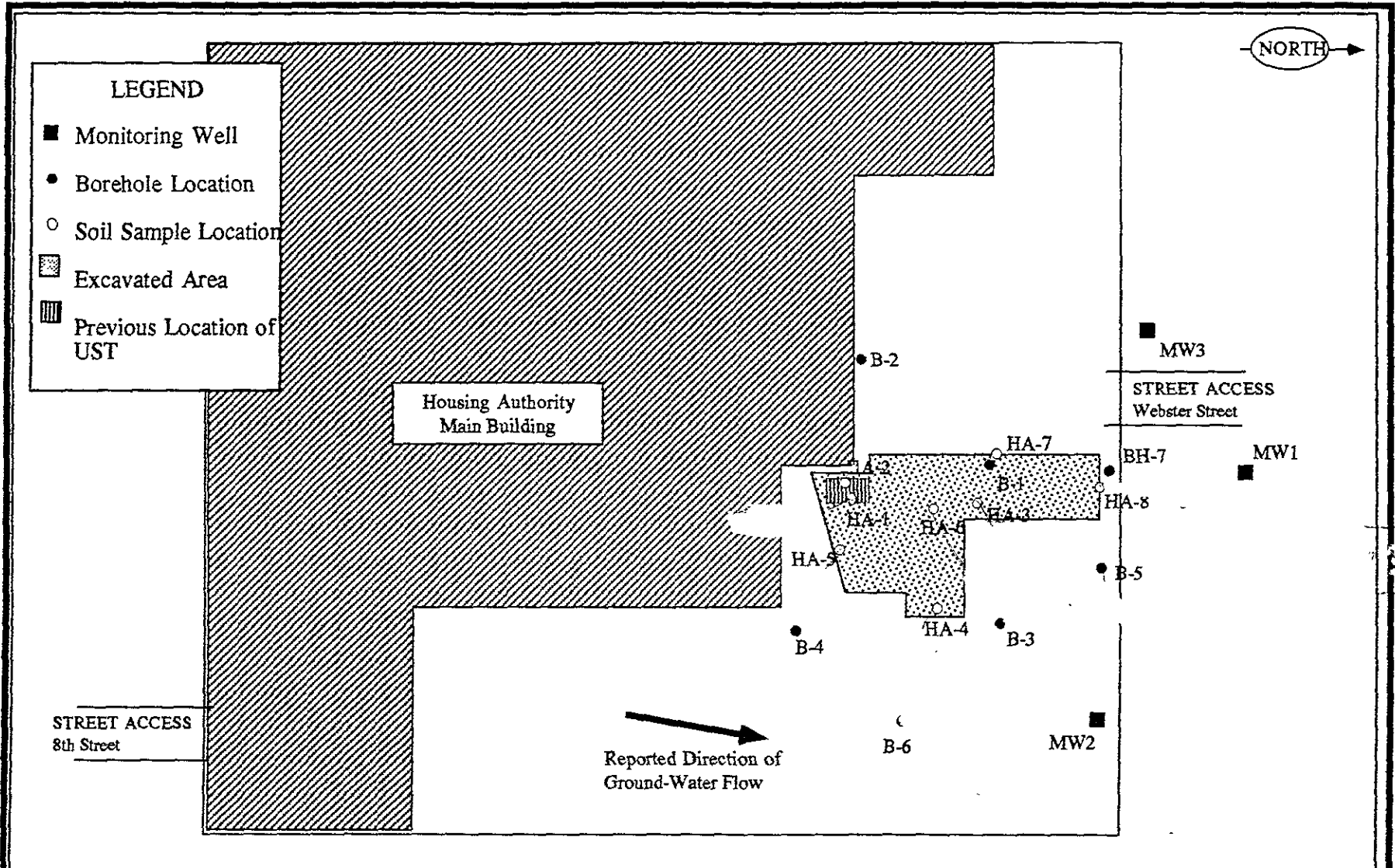
City of Alameda Housing Authority Property
1916 Webster Street
Alameda, CA

FIGURE

4

PROJECT NUMBER:
95-37-1311





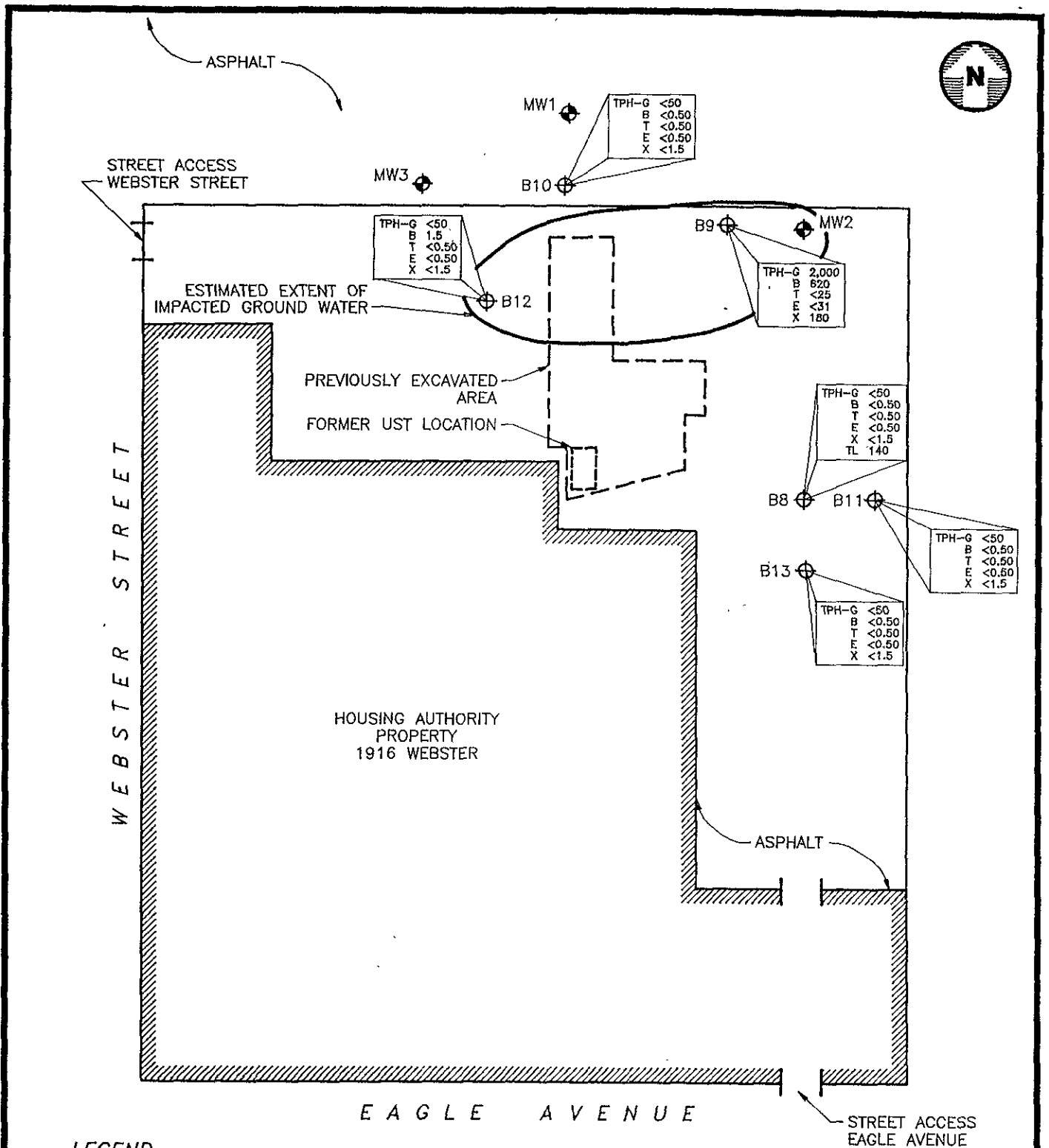
SITE LAYOUT MAP


Housing Authority of the City of Alameda
Alameda, California

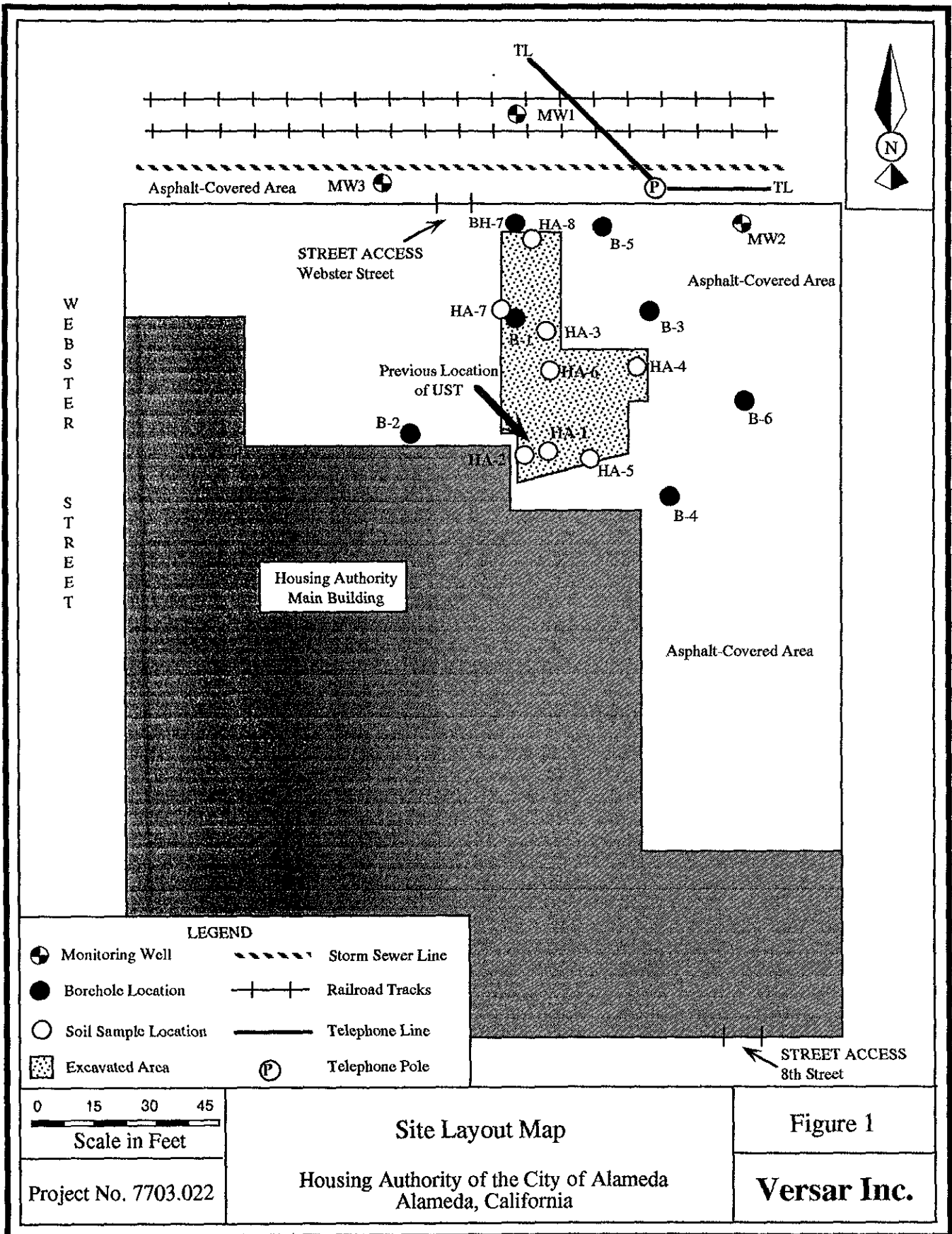
Figure 3

PROJECT NO.
7703.022

Versar Inc.

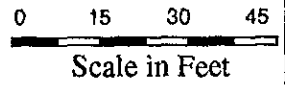


 Environmental Science & Engineering, Inc. <small>A CILCORP Company</small>	DATE 2/94	PETROLEUM HYDROCARBONS IN GROUND WATER JULY 31, 1992	FIGURE NO. 5
	REVISED		ALAMEDA HOUSING AUTHORITY 1916 WEBSTER STREET ALAMEDA, CALIFORNIA
4090 NELSON AVENUE, SUITE J CONCORD, CA 94520	CAD FILE 51991006		



LEGEND

- ⊕ Monitoring Well
- Borehole Location
- Soil Sample Location
- ▨ Excavated Area
- Storm Sewer Line
- +— Railroad Tracks
- Telephone Line
- Ⓟ Telephone Pole



Project No. 7703.022

Site Layout Map
Housing Authority of the City of Alameda
Alameda, California

Figure 1

Versar Inc.

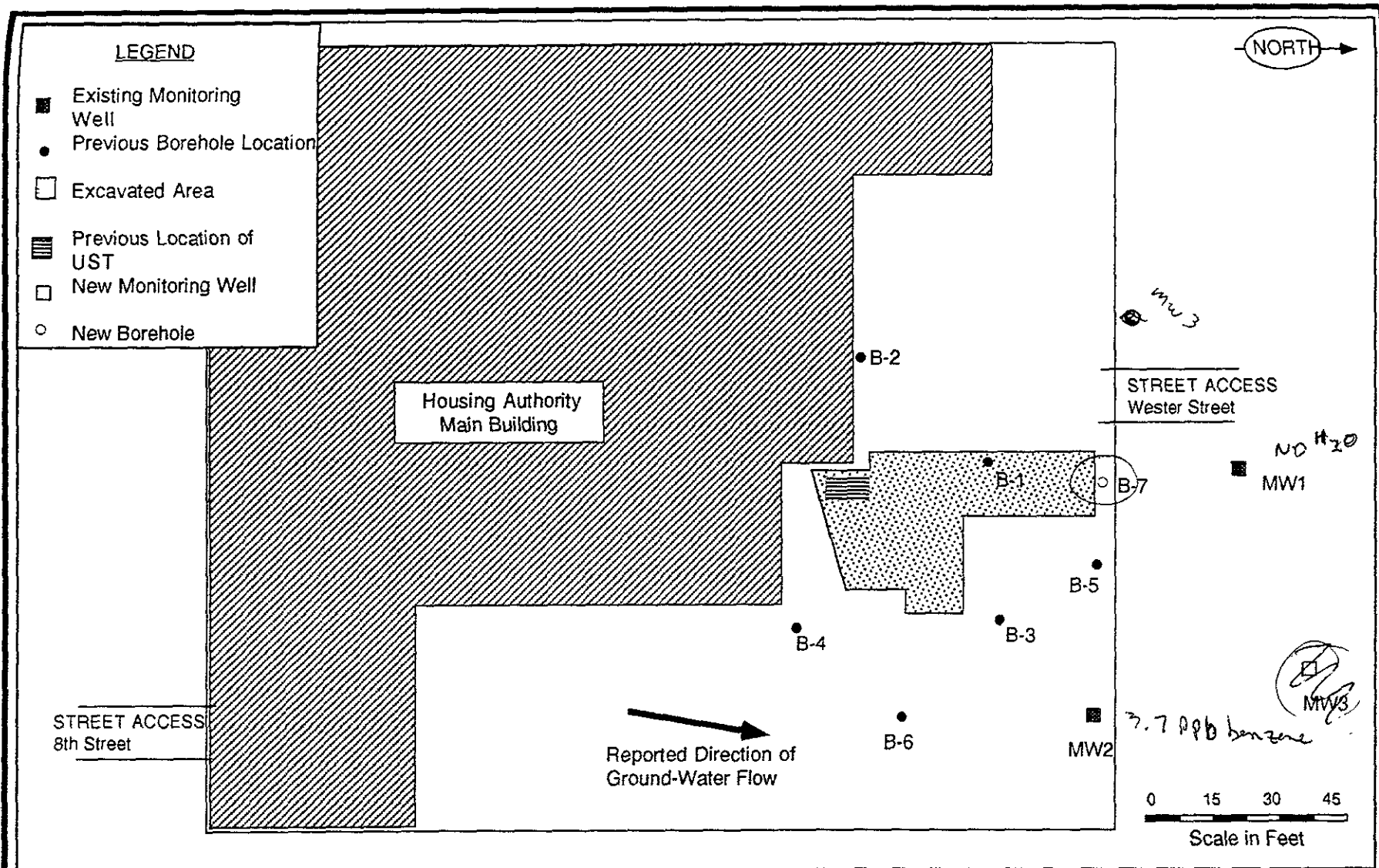


Figure 4-1. Proposed Monitoring Well and Borehole Locations, with Existing Monitoring Well and Borehole Locations from Previous Investigations

WEBSTER STREET

ATLANTIC AVENUE

City Of Alameda Housing Authority
1916 Webster Street

Building

Canopy

Former
Excavation
Limits

MW-3

NS

MW-1

NS

MW-4

700
280

MW-5

3,400
1,400

MW-2

NS

MW-6

NS

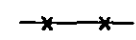
LEGEND



Monitoring Well

700 TPH-G (parts per billion)

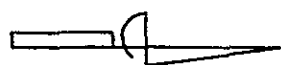
280 Benzene (parts per billion)



Fence

NS

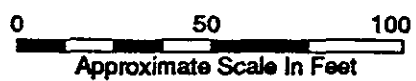
Not Sampled



NOTES

Site Sketch After Map
By Ron Archer, Civil Engineer, Inc.

All Locations Are Approximate



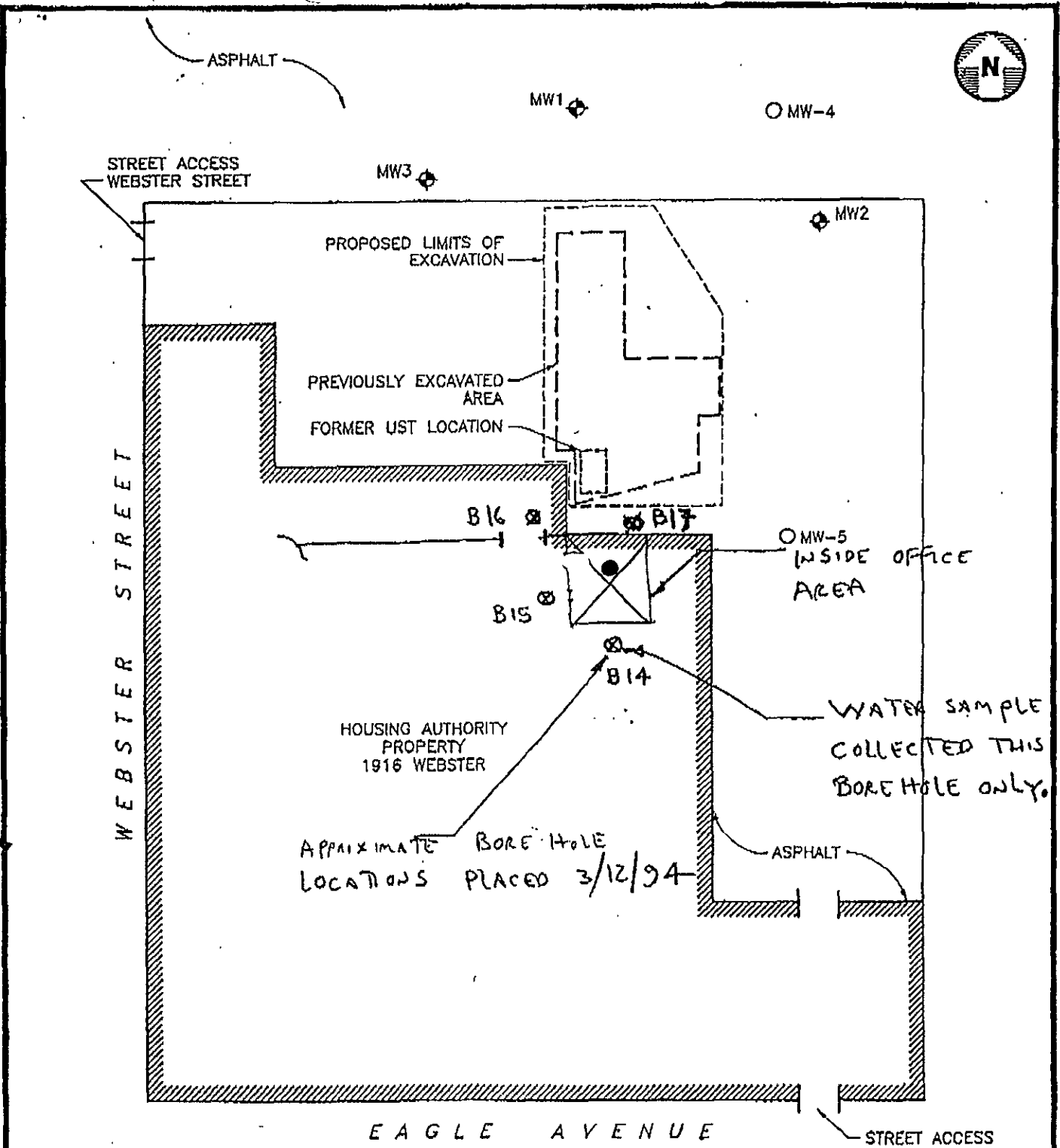
DRAWN BY: D. Hada
DATE: January 4, 1996
REVISED BY: J. Parada
DATE: January 5, 1996

**DISTRIBUTION MAP OF TPH-G AND BENZENE
IN GROUND WATER November 30, 1995**

Alameda Housing
1916 Webster Street
Alameda, CA

**FIGURE
3**

PROJECT NUMBER:
94-37-7623




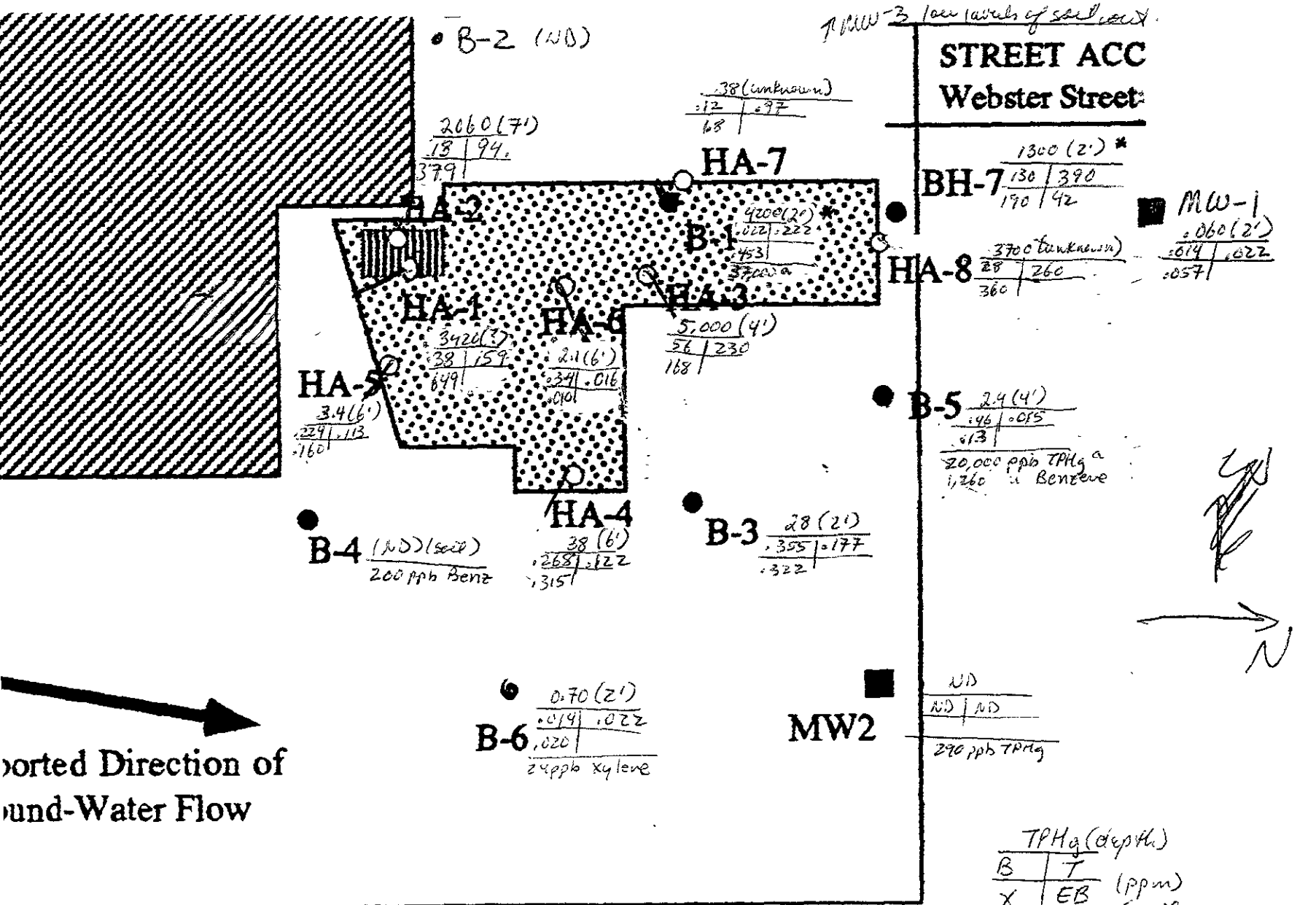
LEGEND

- ◆ GROUND WATER MONITORING WELL
- PROPOSED GROUND WATER MONITORING WELL



3/12/94 SOIL BORING LOCATIONS

 <p>Environmental Science & Engineering, Inc. A CILCORP Company</p>	<p>DATE 2/94</p>	<p>PROPOSED MONITORING WELL LOCATIONS AND LIMITS OF EXCAVATION</p>	<p>FIGURE NO. 7</p>
	<p>REVISD</p>		<p>ALAMEDA HOUSING AUTHORITY 1916 WEBSTER STREET</p>
<p>4090 NELSON AVENUE, SUITE J CONCOURSE 2, ALAMEDA, CA 94529</p>	<p>CAD FILE</p>		



TE LAYOUT MAP

(7/16/86) HA-1 - HA-2 - Initial pit Samples
 (7/25/86) HA-3 → HA-6 - Initial Overexc. Samples
 (8/13/86) B-1 → B-4 - 4 benches (2 from each bench)

(8/14/86) - B5, B6, MW1, MW2 - Also pit water sample (3,300 ppb TPH; 320 ppb Benzene),
 (9/1/86) → midit. Exam. + two confirm. Samples (HA-7 + HA-8)

Fig

Versa:

* Contamination at other depths:
 a - g.w. grab sample (ppb) TPH

TPH _a (depth)		(ppm)
B	T	
X	EB	Soil

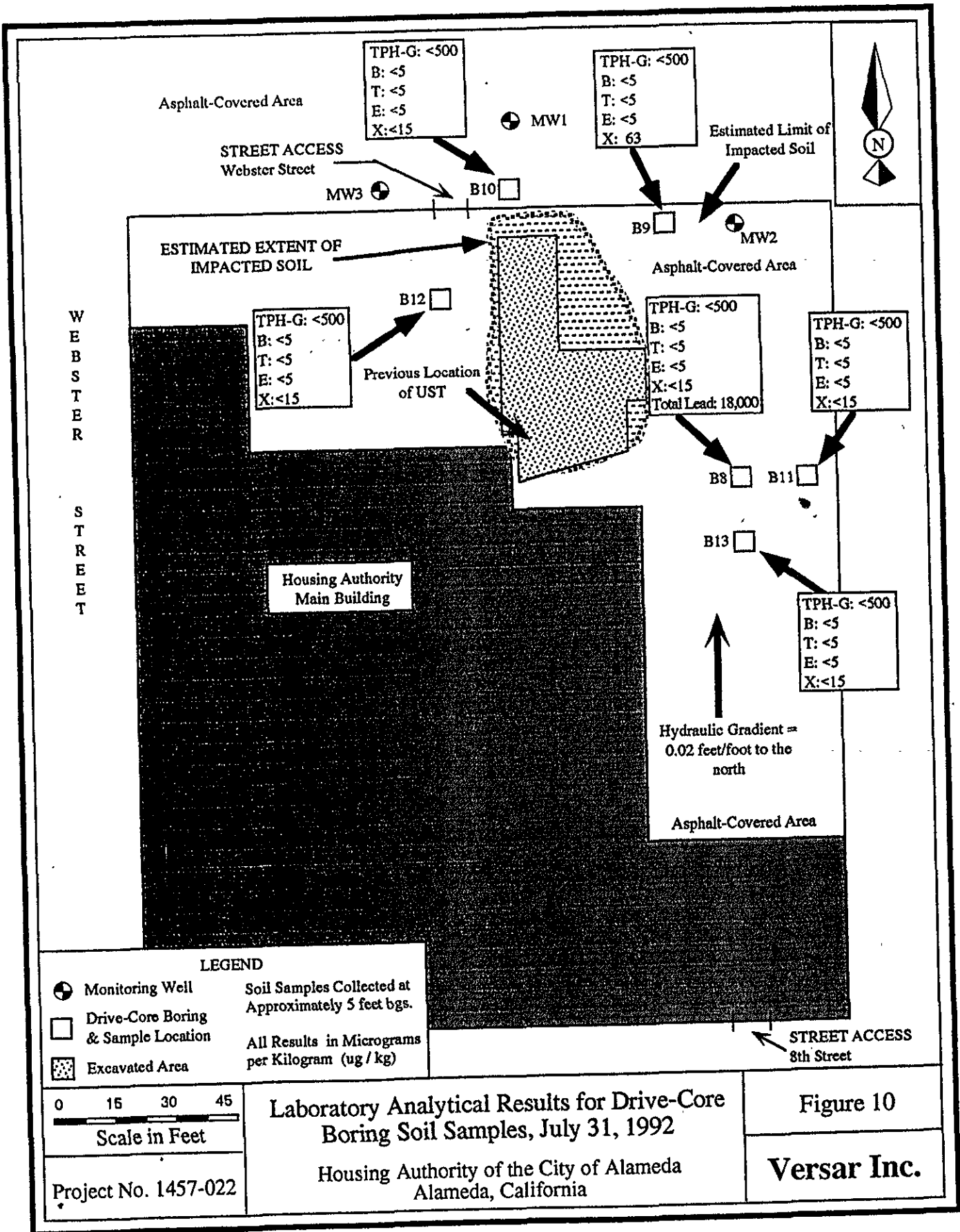
Authority of the City of Alameda

**Housing Authority
Main Building**

Re
Gr

S

Housing A



Asphalt-Covered Area

TPH-G: <500
B: <5
T: <5
E: <5
X: <15

TPH-G: <500
B: <5
T: <5
E: <5
X: 63

STREET ACCESS
Webster Street

Estimated Limit of Impacted Soil

MW3

B10

B9

MW2

ESTIMATED EXTENT OF IMPACTED SOIL

Asphalt-Covered Area

W
E
B
S
T
E
R

TPH-G: <500
B: <5
T: <5
E: <5
X: <15

B12

Previous Location of UST

TPH-G: <500
B: <5
T: <5
E: <5
X: <15
Total Lead: 18,000

TPH-G: <500
B: <5
T: <5
E: <5
X: <15

S
T
R
E
E
T

Housing Authority
Main Building

B8

B11

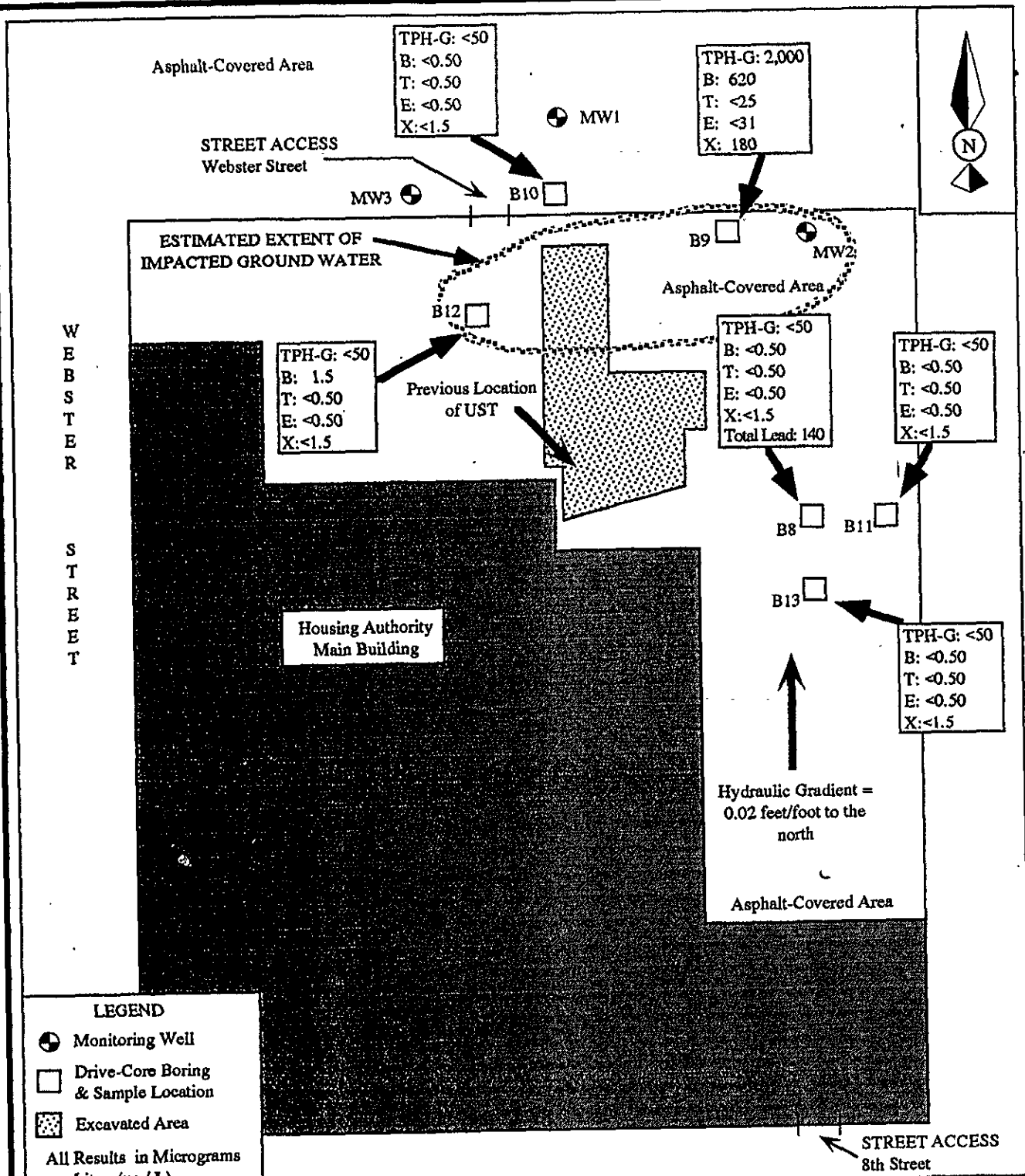
B13

TPH-G: <500
B: <5
T: <5
E: <5
X: <15

Hydraulic Gradient =
0.02 feet/foot to the north

Asphalt-Covered Area

STREET ACCESS
8th Street



Laboratory Analytical Results for Drive-Core Boring Ground-Water Samples, July 31, 1992

Figure 11

Project No. 1457-022

Housing Authority of the City of Alameda
Alameda, California

Versar Inc.

TABLE 3
 LABORATORY ANALYTICAL RESULTS FOR GROUND WATER¹
 VERSAR INVESTIGATION

Housing Authority of the City of Alameda
 Alameda, California

Sample ID	Date	TPH as ² Gasoline (µg/L)	Benzene ³ (µg/L)	Toluene ³ (µg/L)	Ethylbenzene ³ (µg/L)	Xylenes ³ (µg/L)
MW1	07-91	<50	<0.50	<0.50	<0.50	<1.5
	11-91	<50	<0.50	<0.50	<0.50	<1.5
	02-92	<50	<0.50	<0.50	<0.50	<1.5
	07-92	<50	<0.50	<0.50	<0.50	<1.5
MW2	07-91	<50	3.7	<0.50	0.50	5.1
	11-91	<50	1.1	<0.50	<0.50	4.5
	02-92	<50	<0.50	<0.50	<0.50	1.6
	07-92	<50	<0.50	0.59	<0.50	<1.5
MW3	07-91	<50	<0.50	<0.50	<0.50	<1.5
	11-91	<50	<0.50	<0.50	<0.50	<1.5
	02-92	<50	<0.50	<0.50	<0.50	<1.5
	07-92	<50	<0.50	<0.50	<0.50	<1.5
Cal MCL ⁴		--	1	100 ⁵	680	1,750

¹Results are expressed in micrograms per liter (µg/L), approximately equal to parts per billion.

²DHS Method, LUFT Field Manual, Purge and Trap.

³Modified EPA Method 8020, Purge and Trap.

⁴California EPA Maximum Contaminant Level for drinking water (U.S. EPA, 1991).

⁵California DOHS Action Level for drinking water (U.S. EPA, 1991).