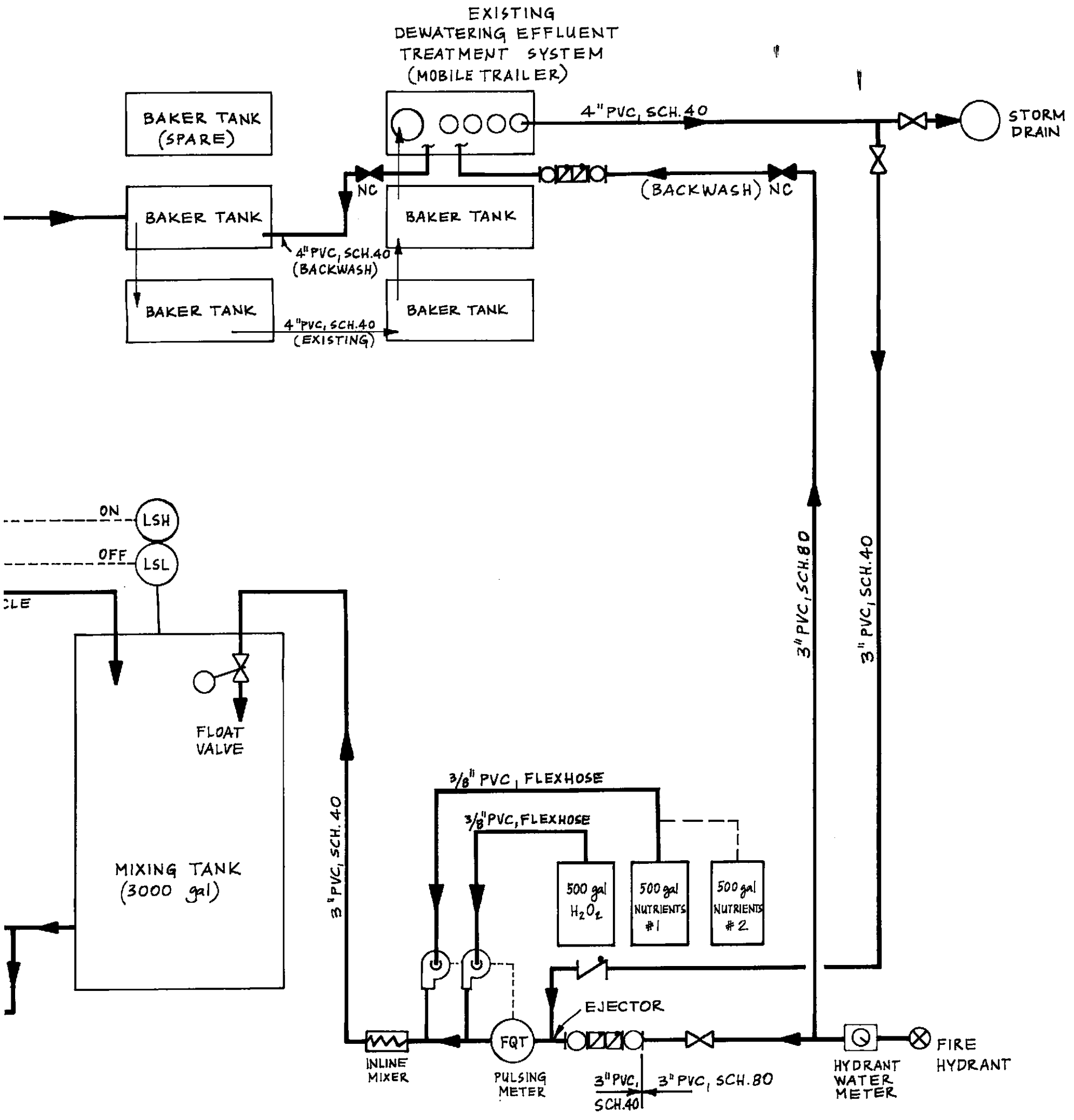


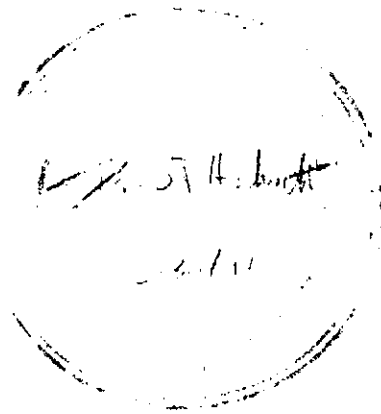
				SCALE: NOT TO SCALE
				DESIGNED BY: C. MYRICK
				DRAWN BY: A. KATANICS <i>ak</i>
				CHECKED BY: <i>PPH</i>
				DATE: 1/20/39
				APPROVED BY:
				DATE:
Δ	1/21/39	ISSUED FOR CONSTRUCTION	<i>LK</i>	
NO.	DATE	REVISIONS	BY	





Harding Lawson Associates
 Engineers and Scientists
 P.O. Box 518
 Novato, California
 (415) 892-0821

CITY OF OAKLAND/REDEVELOPMENT A
 1 CITY HALL PLAZA
 OAKLAND, CALIFORNIA

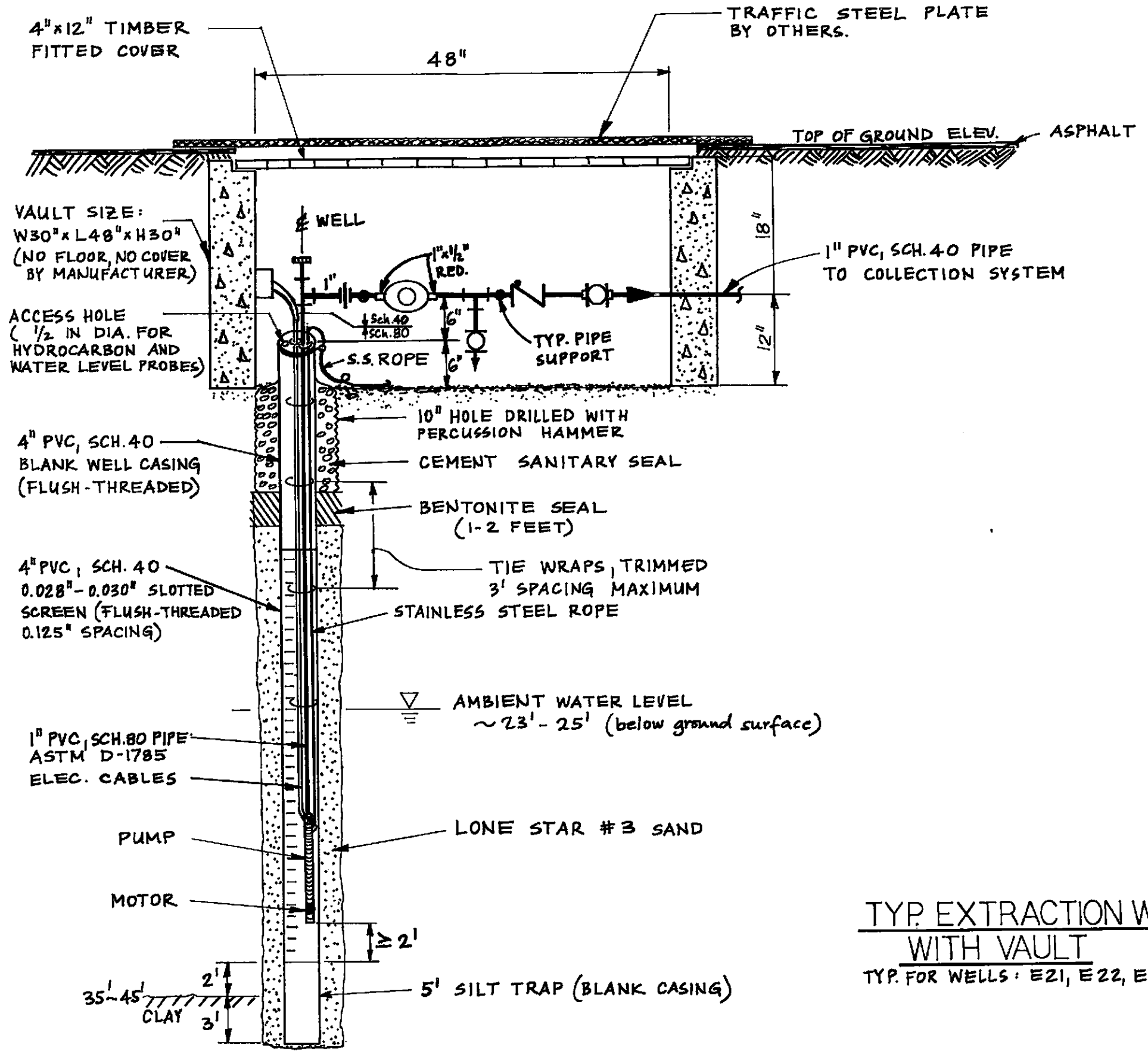


CY PIPING FLOW DIAGRAM
IN SITU BIOTREATMENT SYSTEM
PACIFIC RENAISSANCE PLAZA

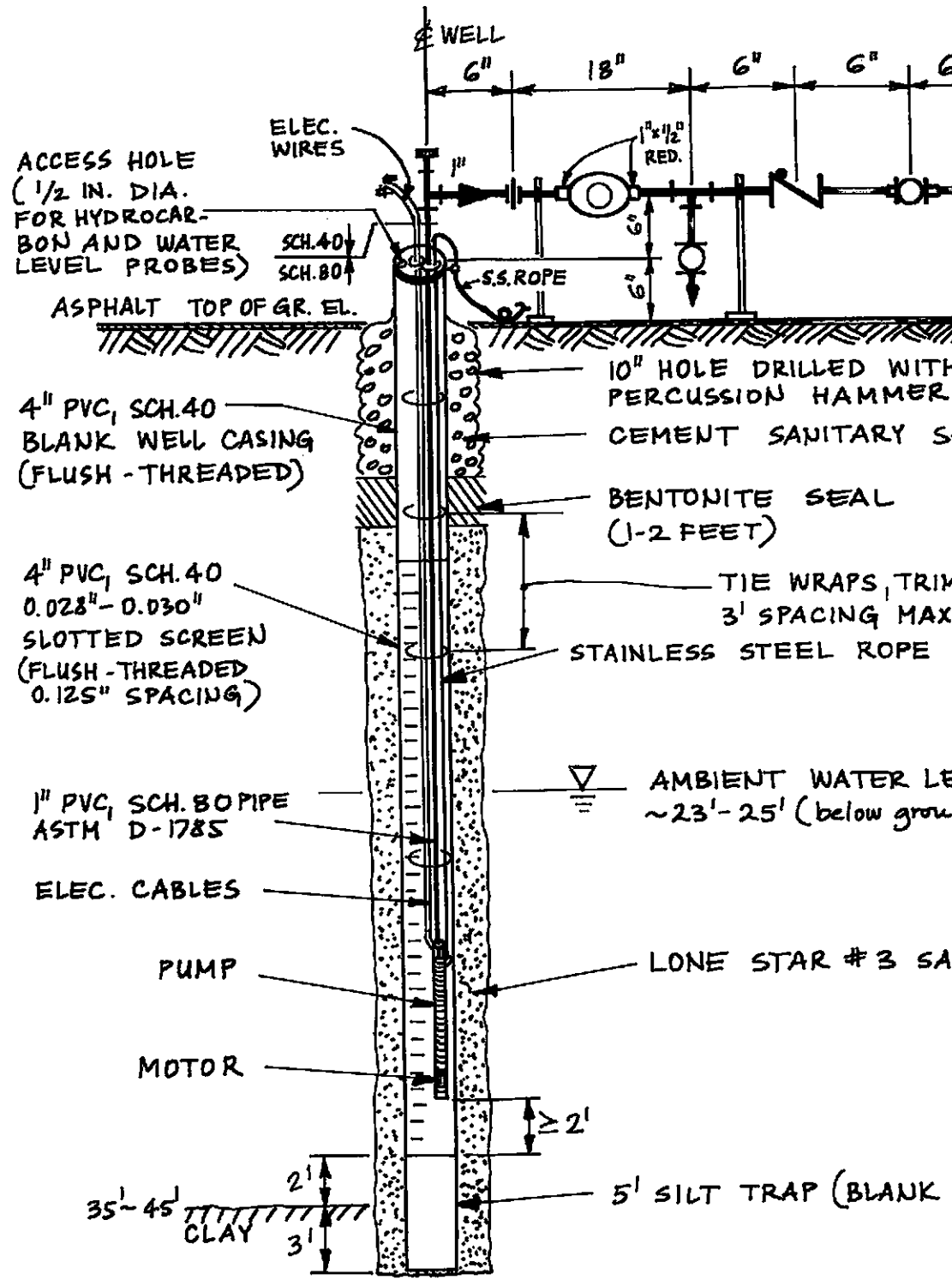
JOB NO.: 9382,030.02

DRAWING NO.: MI

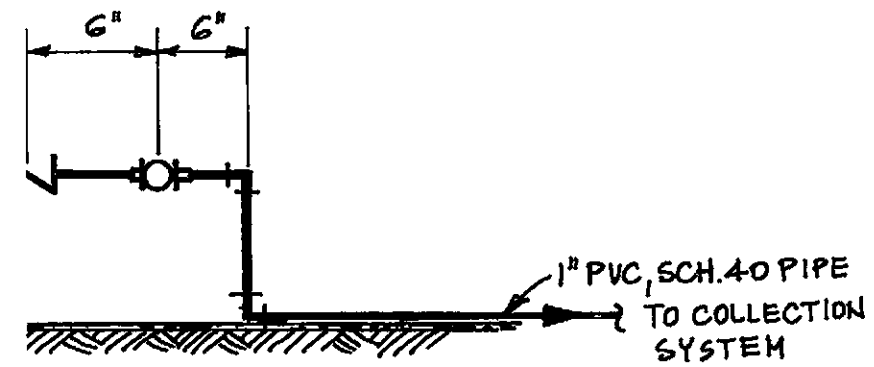
REV.: 0



TYP. EXTRACTION WELL WITH VAULT
TYP. FOR WELLS: E21, E22, E23



TYP. EXTRACTION WELL
TYP. FOR WELLS: E1, E2, E3, E4, E5, E6, E7, E15, E16, E17, E18, E19, E20



LLED WITH
 HAMMER
 NITARY SEAL
 SEAL

RAPS, TRIMMED
 ICING MAXIMUM
 EL ROPE

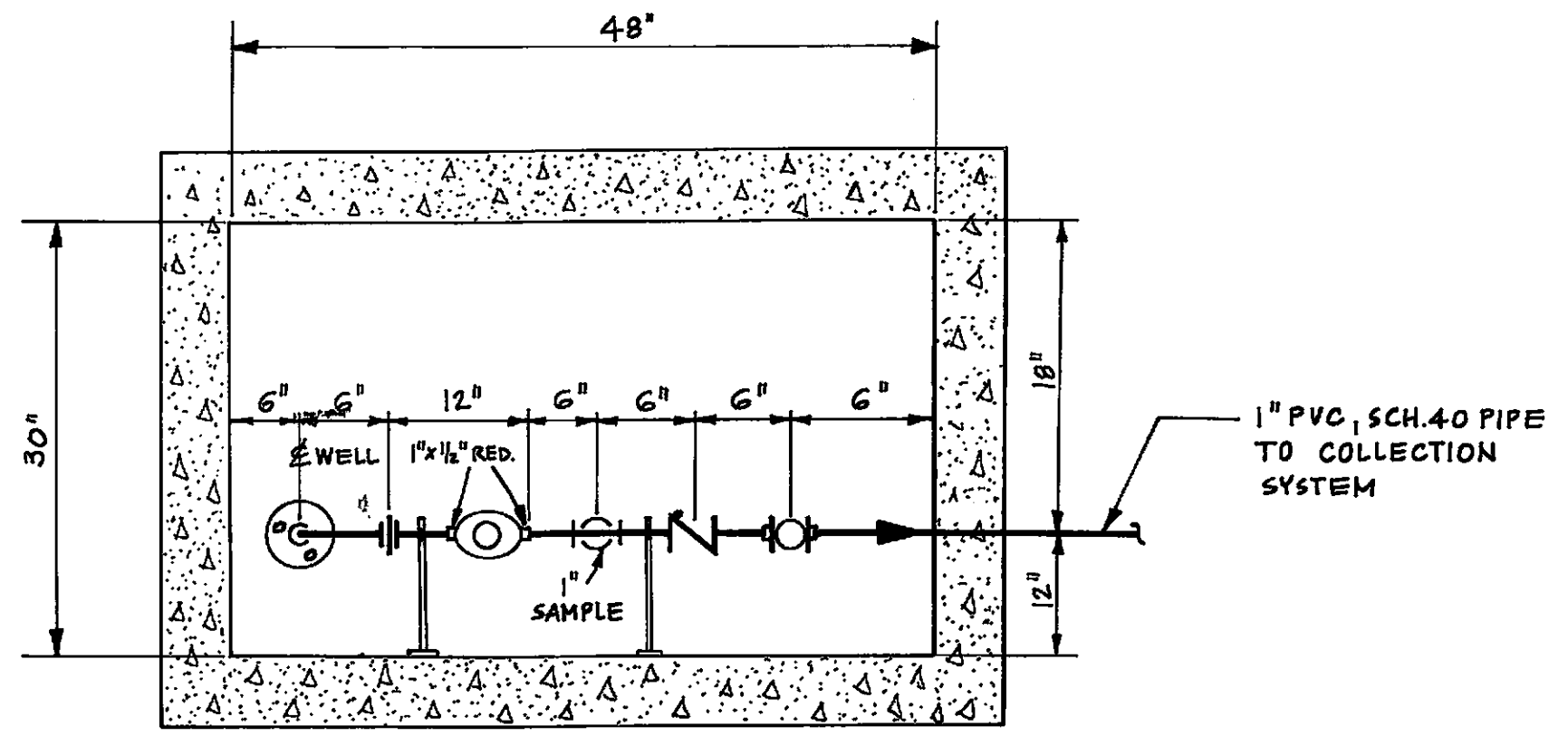
WATER LEVEL
 (below ground surface)

R #3 SAND

(BLANK CASING)

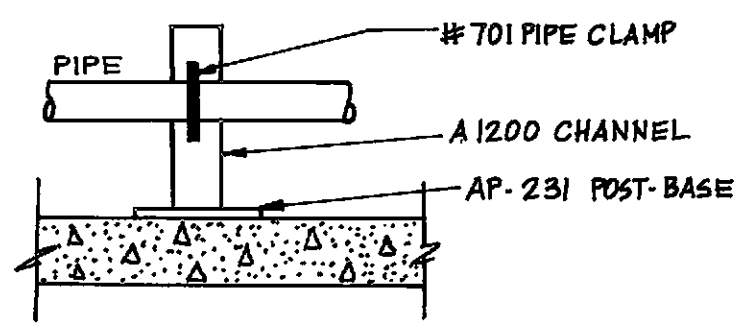
WELL ABOVE GR. SURFACE

E6, E7, E8, E9, E10, E11, E12, E13, E14, E19, E20



EXTRACTION WELL WITH VAULT

TYP. FOR: E21, E22, E23

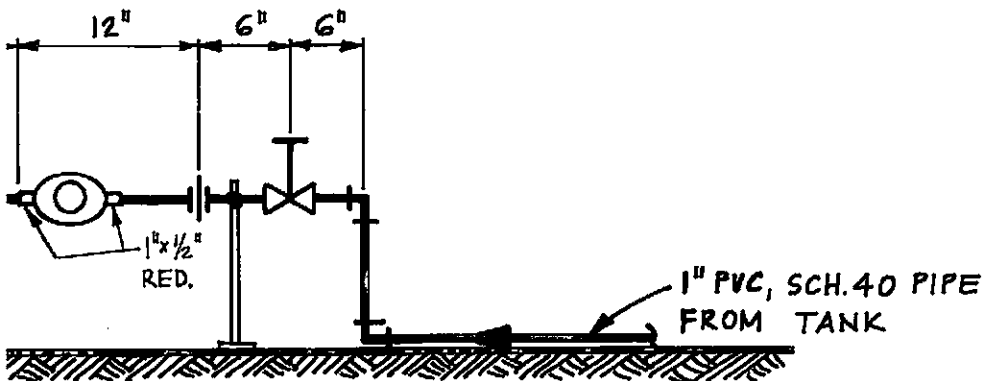


TYP. PIPE SUPPORT

NOTE: 1) PART NUMBERS REFER TO SUPERSTRUT COMPONENTS.

2) ATTACH SUPPORT TO WALL, WITH RED-HEADS ANCHORS. (OR EQUAL)

— PROBES



HOLE DRILLED
 WITH PERCUSSION HAMMER
 WITH RUBBER
 GASKET AND
 GROMMET SANITARY SEAL

ANTONITE SEAL
 (2 FEET)

AMBIENT WATER LEVEL
 ~23'-25' (below ground surface)

LONE STAR #3 SAND

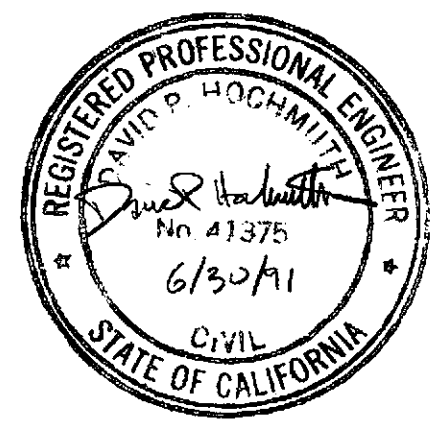
TYP. INJECTION WELL
ABOVE GR. SURFACE

TYP. FOR WELLS: I1, I2, I3, I4, I5,
 I6, I7, I8, I9

SILT TRAP
 (IN SAND ANK CASING)

NOTES:

- 1.) ALL PIPING MATERIAL INSIDE VAULTS AND ABOVE GROUND SHALL BE PVC, SCH. 40 ASTM D-1785.
- 2.) ALL PIPING MATERIAL INSIDE WELLS SHALL BE AS SHOWN.
- 3.) ALL FITTINGS SHALL BE PVC, SCH. 40 ASTM D-2466 FOR SOCKET TYPE.
- 4.) 1" GLOBE VALVE - ANGLE, PVC BODY, THREADED ENDS.
 1" TRUE UNION CHECK VALVES, PVC BODY, THREADED ENDS.
 1" GATE VALVES, PVC BODY, THREADED ENDS.
 1" TRUE UNION BALL VALVES, PVC BODY, THREADED ENDS.
 1" SOLENOID VALVES, PVC, ELECTRIC, FULLY AUTOMATIC.
 1" "WATER" - FLOW METERS SHALL BE MODEL NO. C-700 - POLYMER. ENDS WILL BE 1/2" THREADED ON BOTH SIDE.
- 5.) ELEVATIONS AND DIMENSIONS ARE APPROXIMATE. CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR DETERMINING PIPING DIMENSIONS.



CITY OF OAKLAND/REDEVELOPMENT AGENCY

WELLS, VAULT & PIPING DESIGN

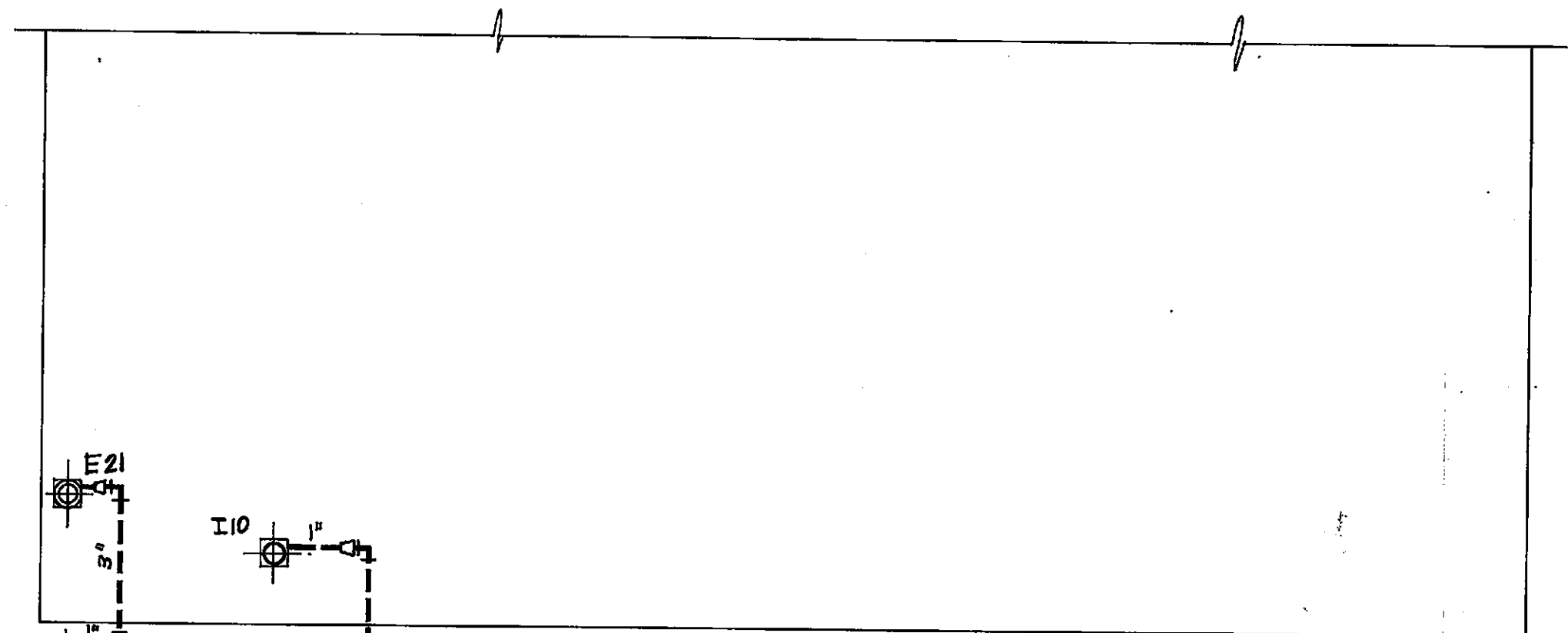
JOB NO.: 9382,030.02

1 CITY HALL PLAZA
 OAKLAND, CALIFORNIA

IN SITU BIOTREATMENT SYSTEM

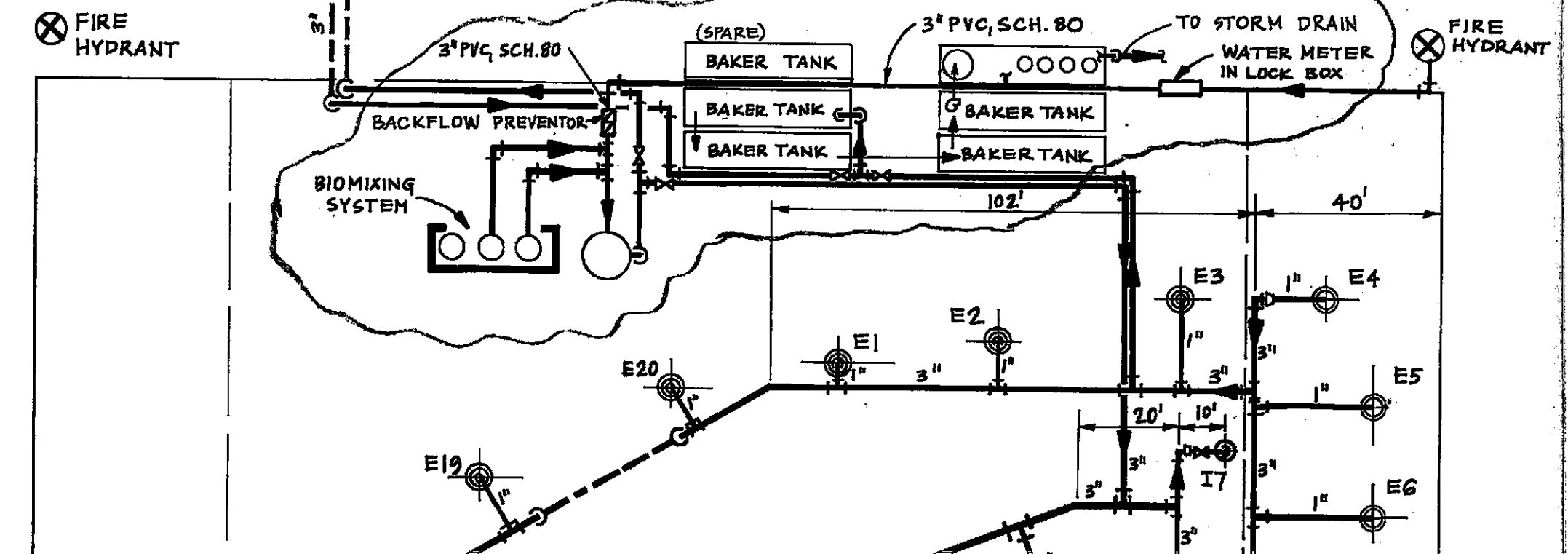
DRAWING NO.: C2

PACIFIC RENAISSANCE PLAZA - OAKLAND, CA

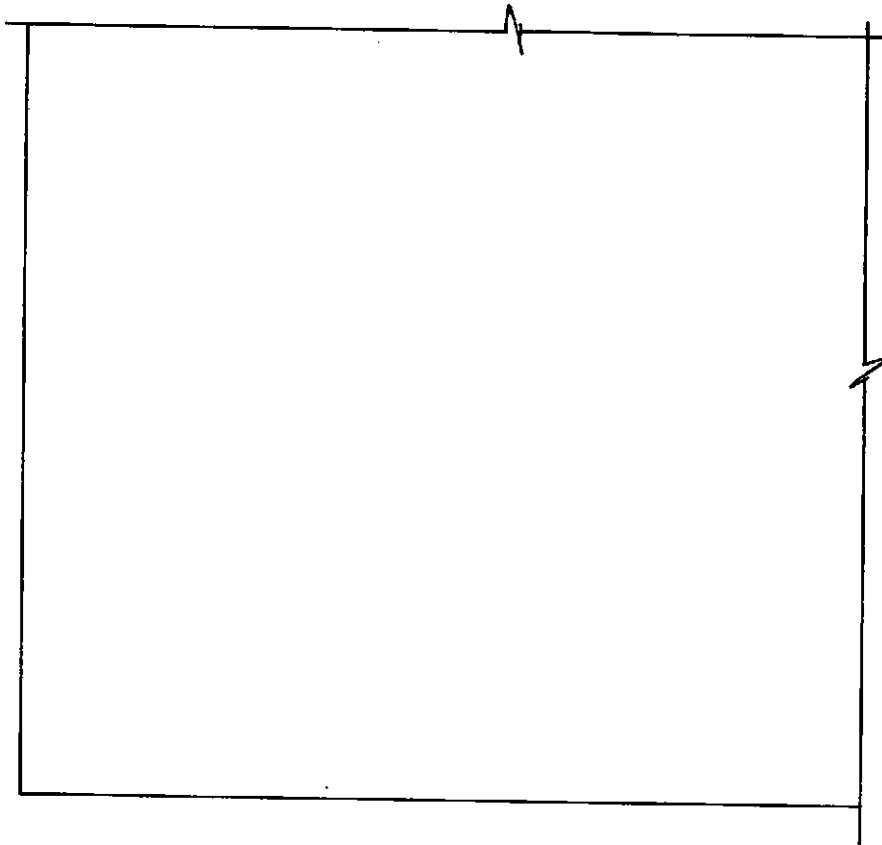


10TH STREET

LOCATION OF ALL TANKS AND EQUIPMENT WILL BE DETERMINED ON SITE.



KLIN

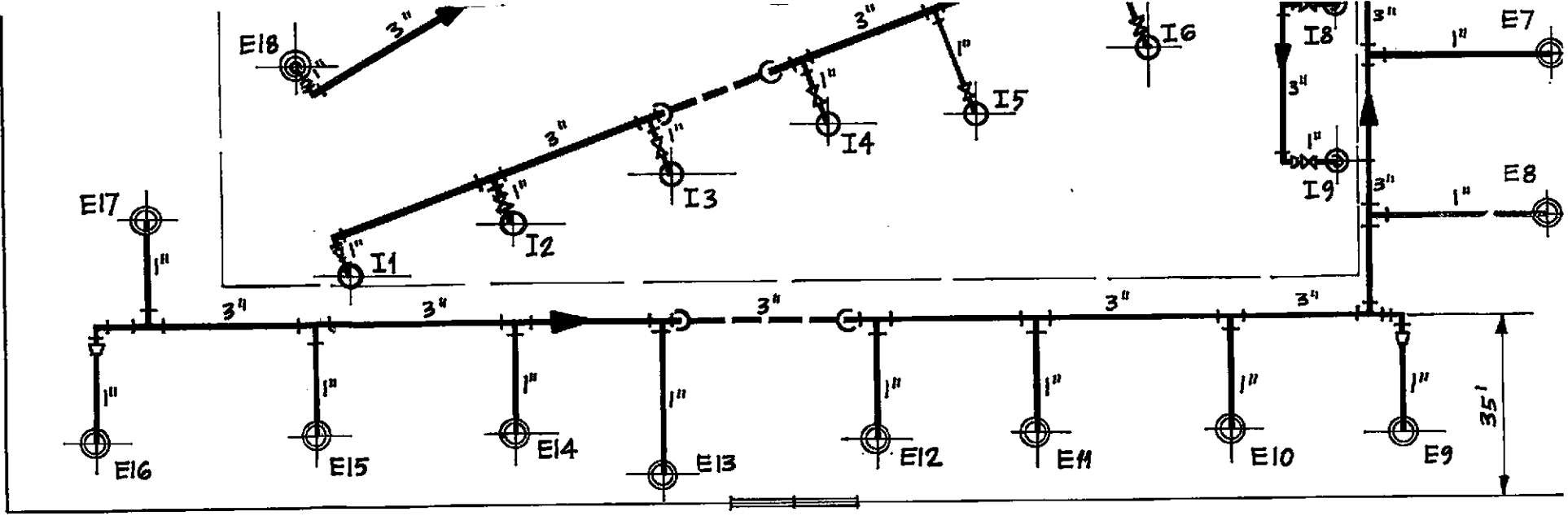


NOTES:

- 1) ELEVATIONS AND DIMENSIONS ARE APPROXIMATE. CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR DETERMINING PIPING DIMENSIONS
- 2) FOR PIPING DESIGN - SEE DRAWING C2.

TER

FRAN



9 TH STREET

ISSUED FOR CONSTRUCTION	BY
	ak
REVISIONS	BY

SCALE: 1" = 30'-0"
 DESIGNED BY: A. KATANICS & C. MYRICK
 DRAWN BY: A. KATANICS *AK*
 CHECKED BY: *YVA*
 DATE: 1/30/89
 APPROVED BY:
 DATE:









Harding Lawson Associates
 Engineers and Geoscientists
 P.O. Box 578
 Novato, California
 (415)892-0821

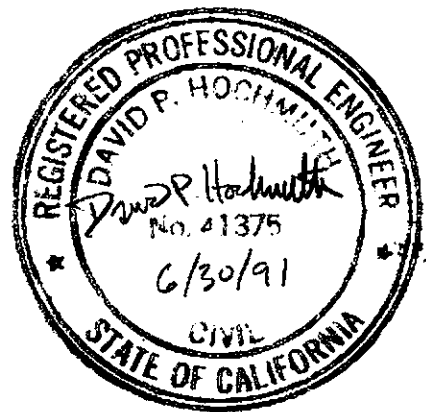
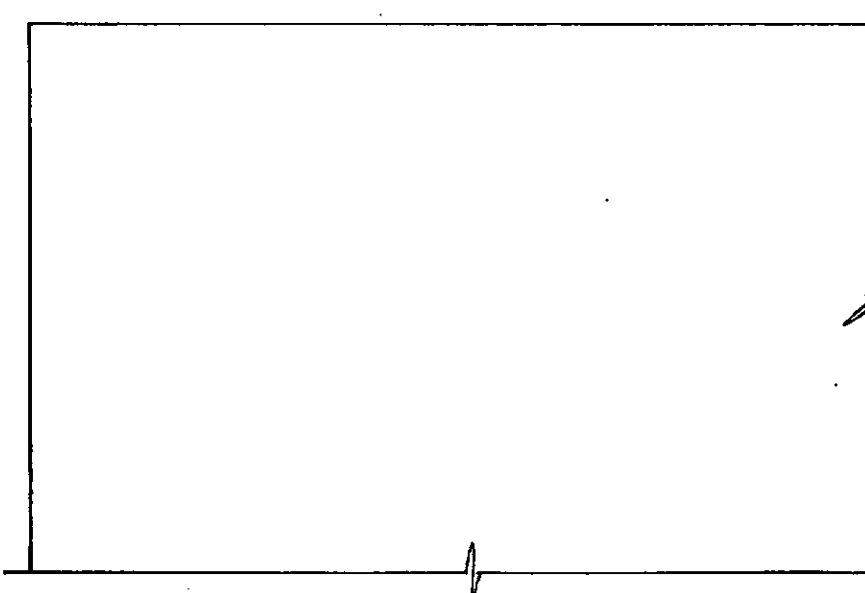
CITY OF OAK
 1 CITY HALL PL
 OAKLAND, CALIF

WEBS



LEGEND

-  EXTRACTION WELL
-  EXTRACTION WELL WITH VAULT
-  INJECTION WELL
-  INJECTION WELL WITH VAULT
-  PIPING (PVC, SCH.40) ABOVE GROUND
-  PIPING (PVC, SCH.40) IN TRENCH



AND/REDEVELOPMENT AGENCY

SITE PLAN & COLLECTION SYSTEM

JOB NO.: 9382,030.02

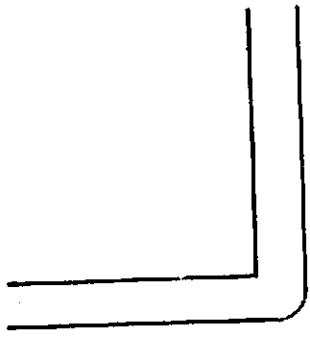
IN SITU BIOTREATMENT SYSTEM

DRAWING NO.: CI

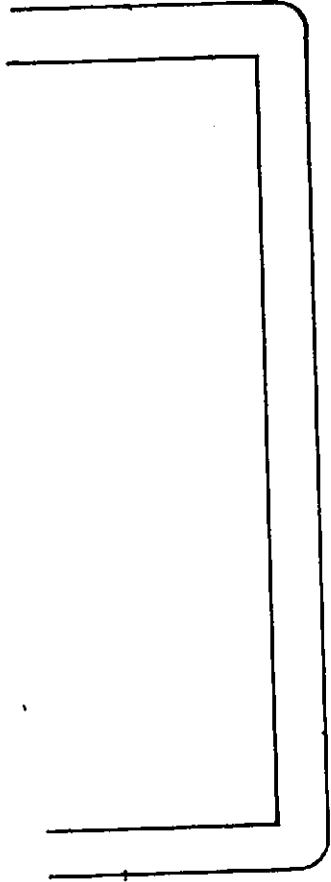
REV.: 0

ALABAMA

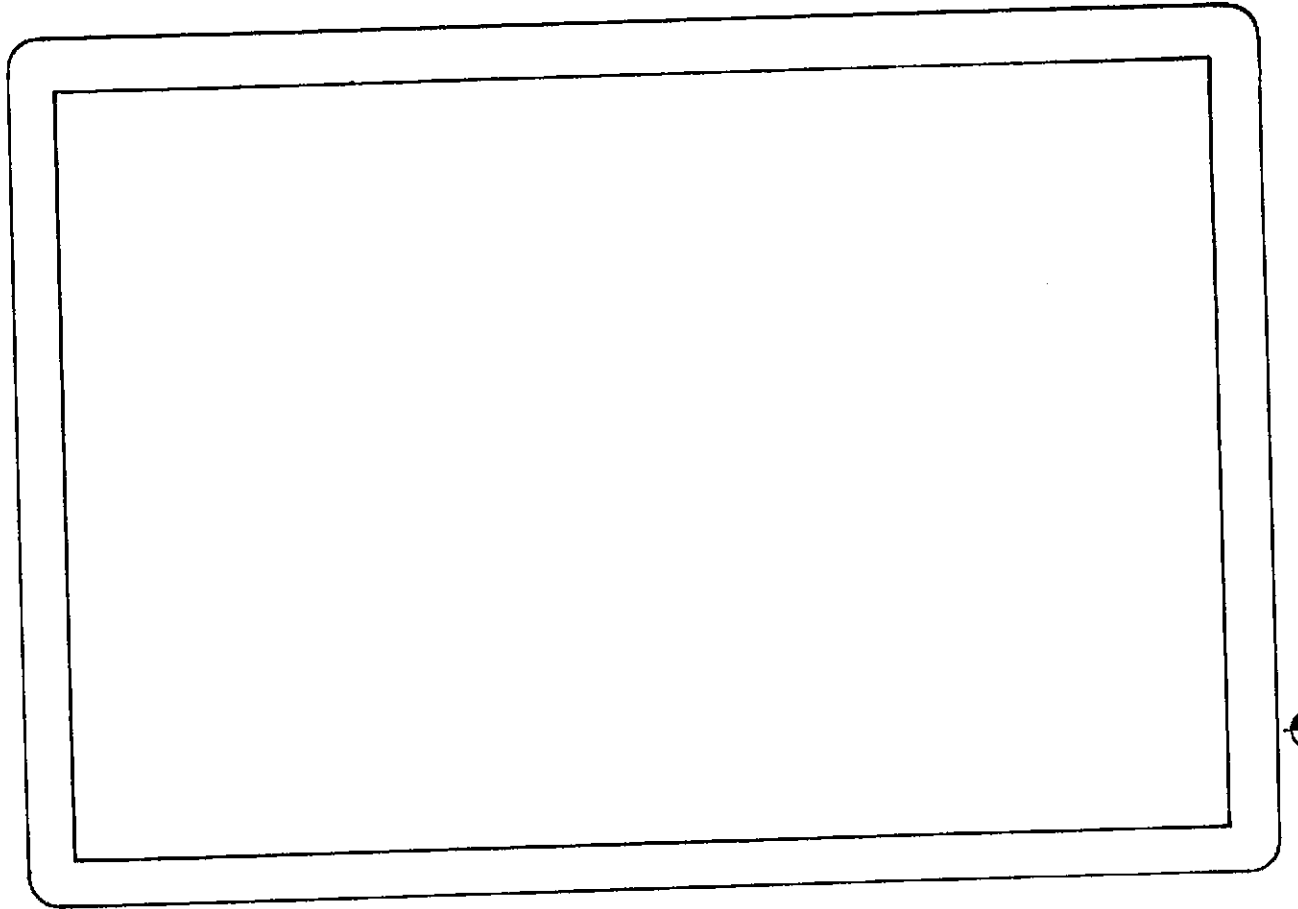
PACIFIC RENAISSANCE PLAZA - OAKLAND, CA



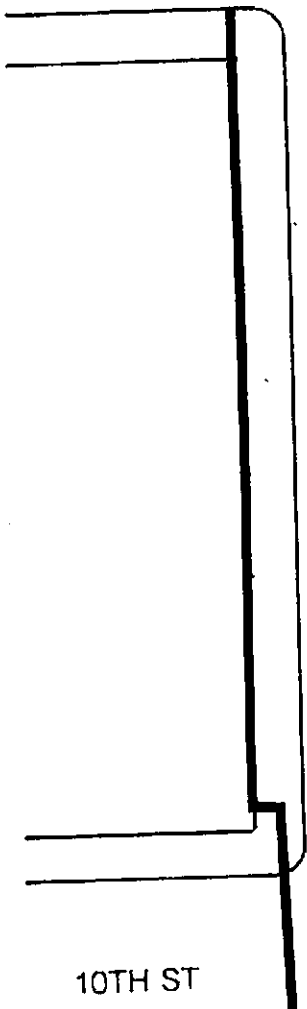
12 TH ST



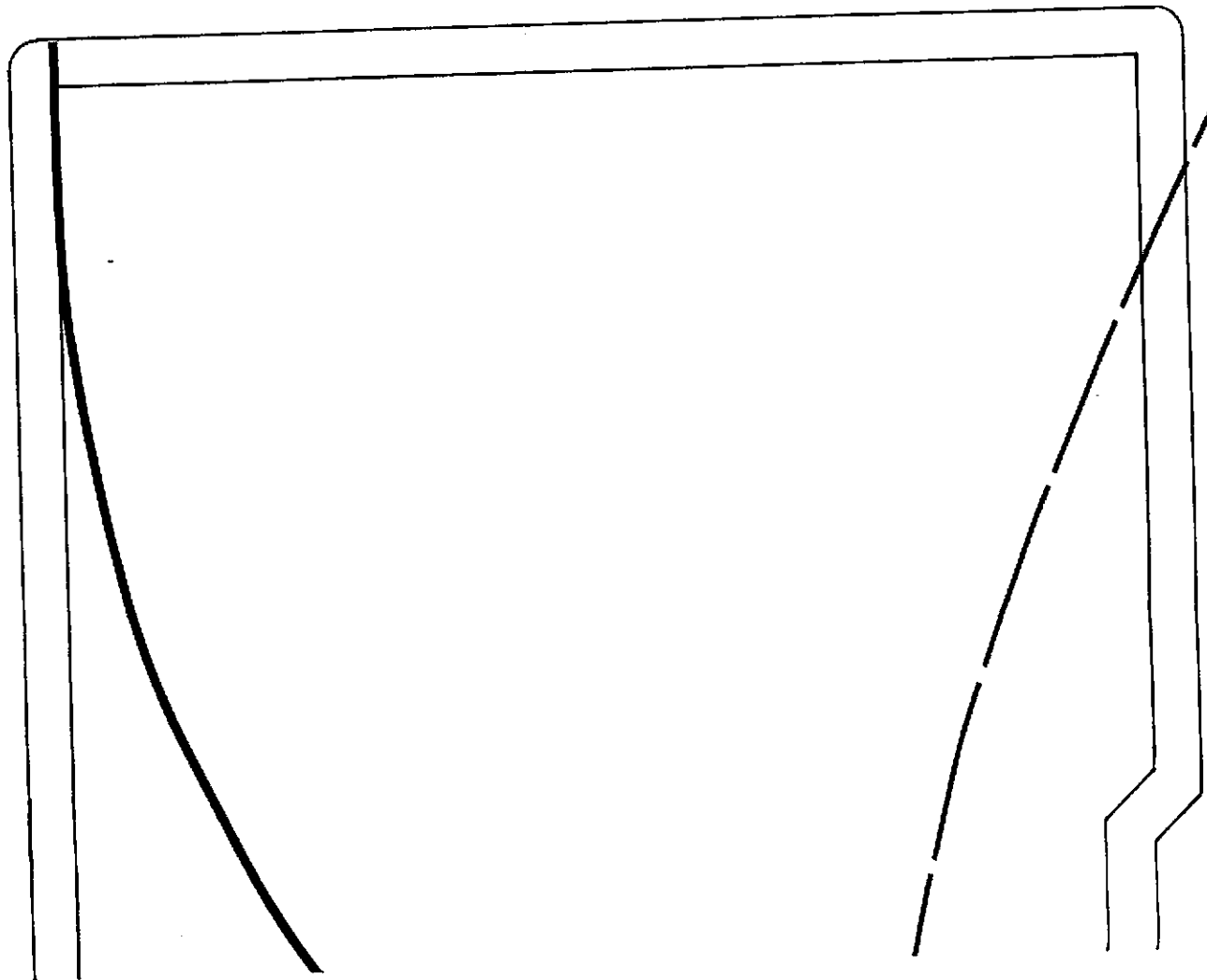
BROADWAY



11TH ST



10TH ST



FRANKLIN STREET

WEBSTER STREET

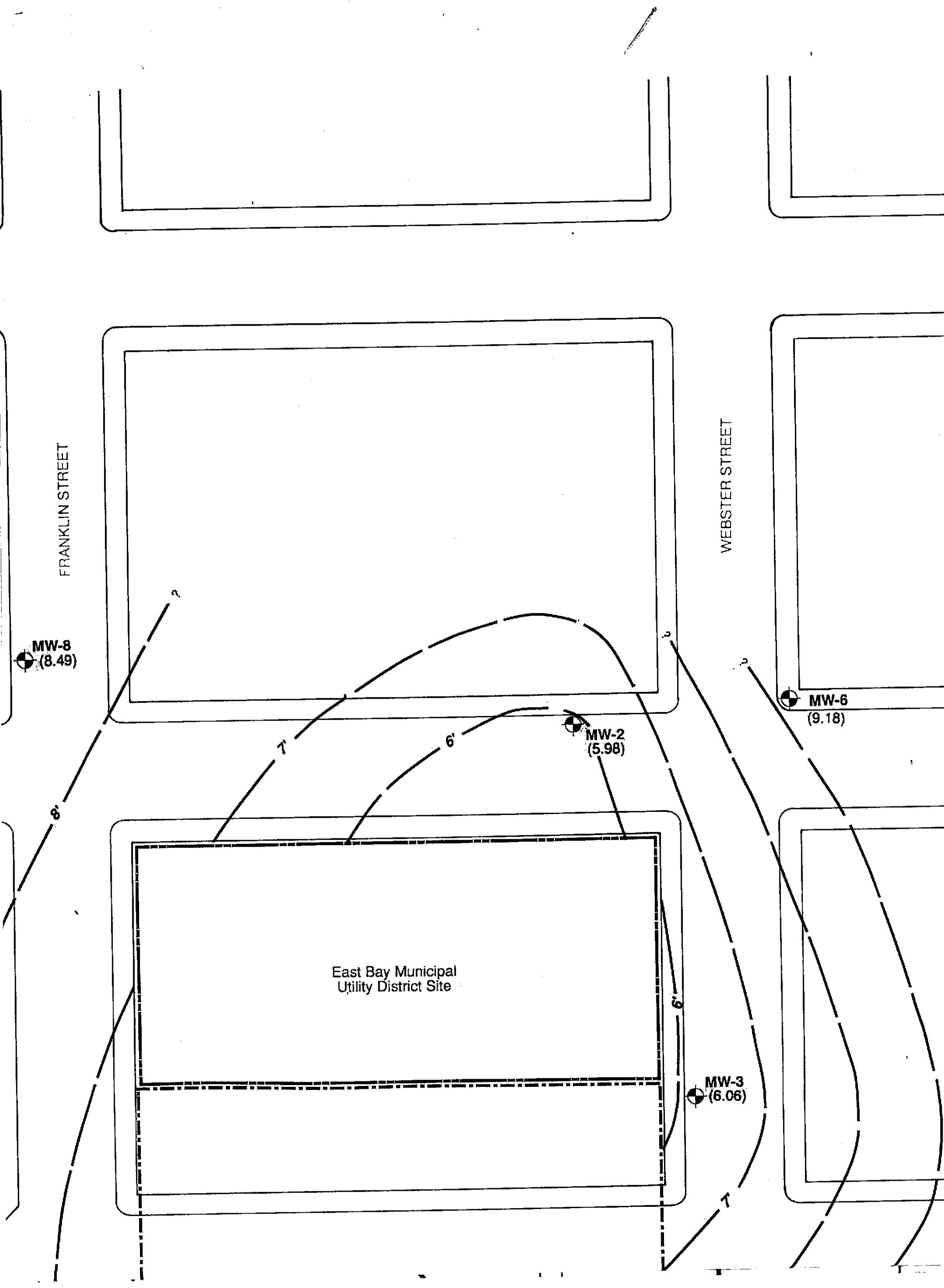
MW-8
(8.49)

MW-6
(9.18)

MW-2
(5.98)

MW-3
(6.06)

East Bay Municipal
Utility District Site



12 TH ST

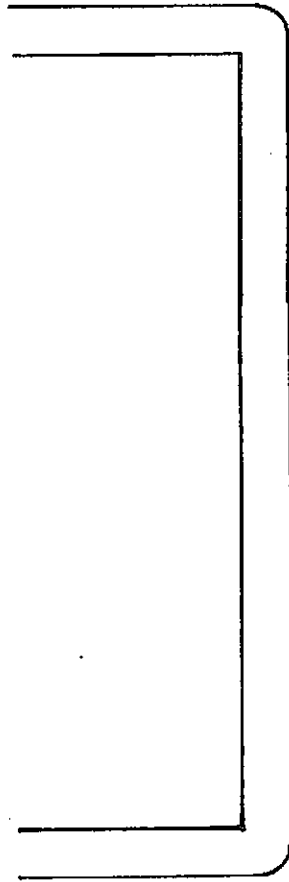
Former
Gasoline
Station

Operating Automobile
Dealership and
Repair Shop

HARRISON STREET

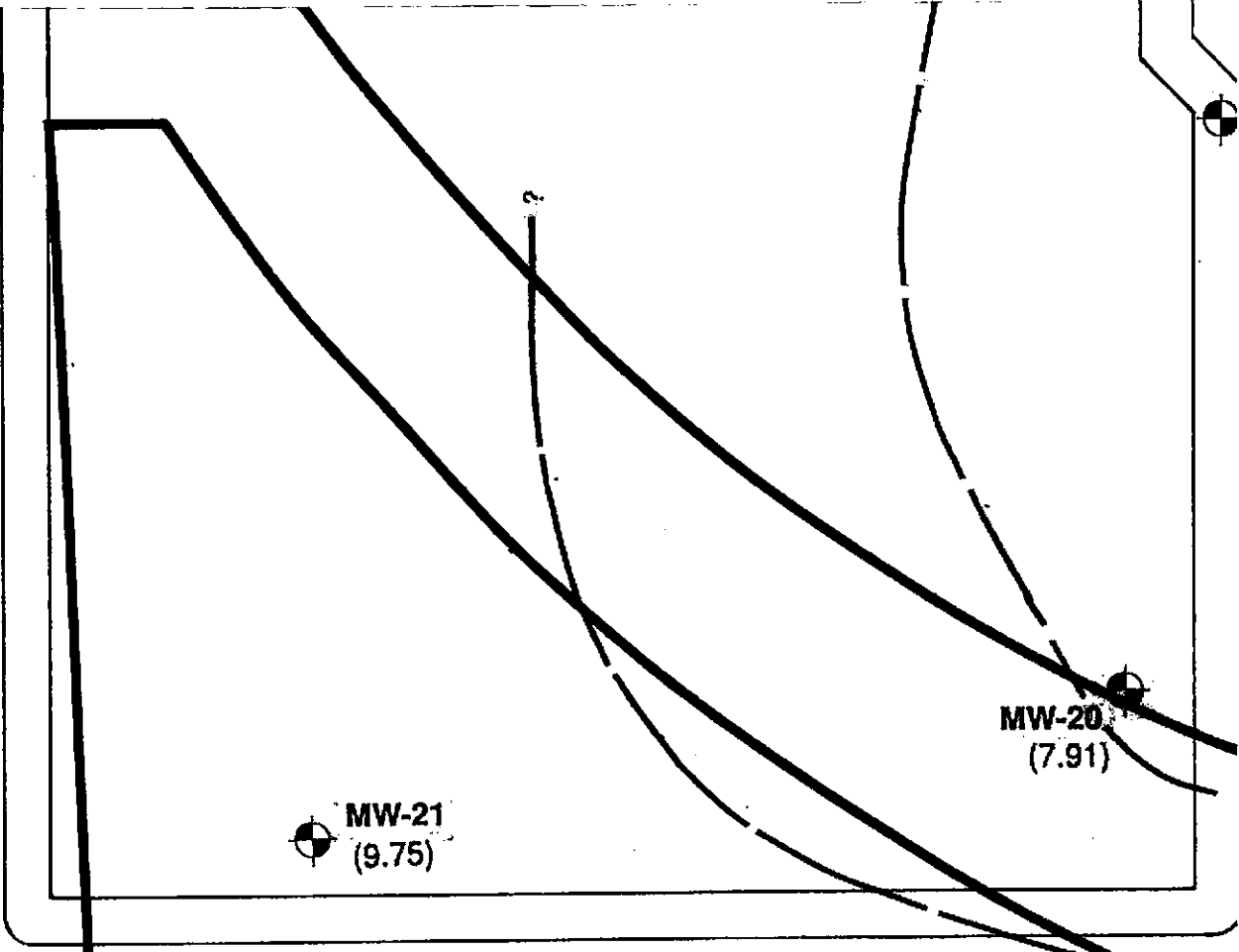
11TH ST

10TH ST

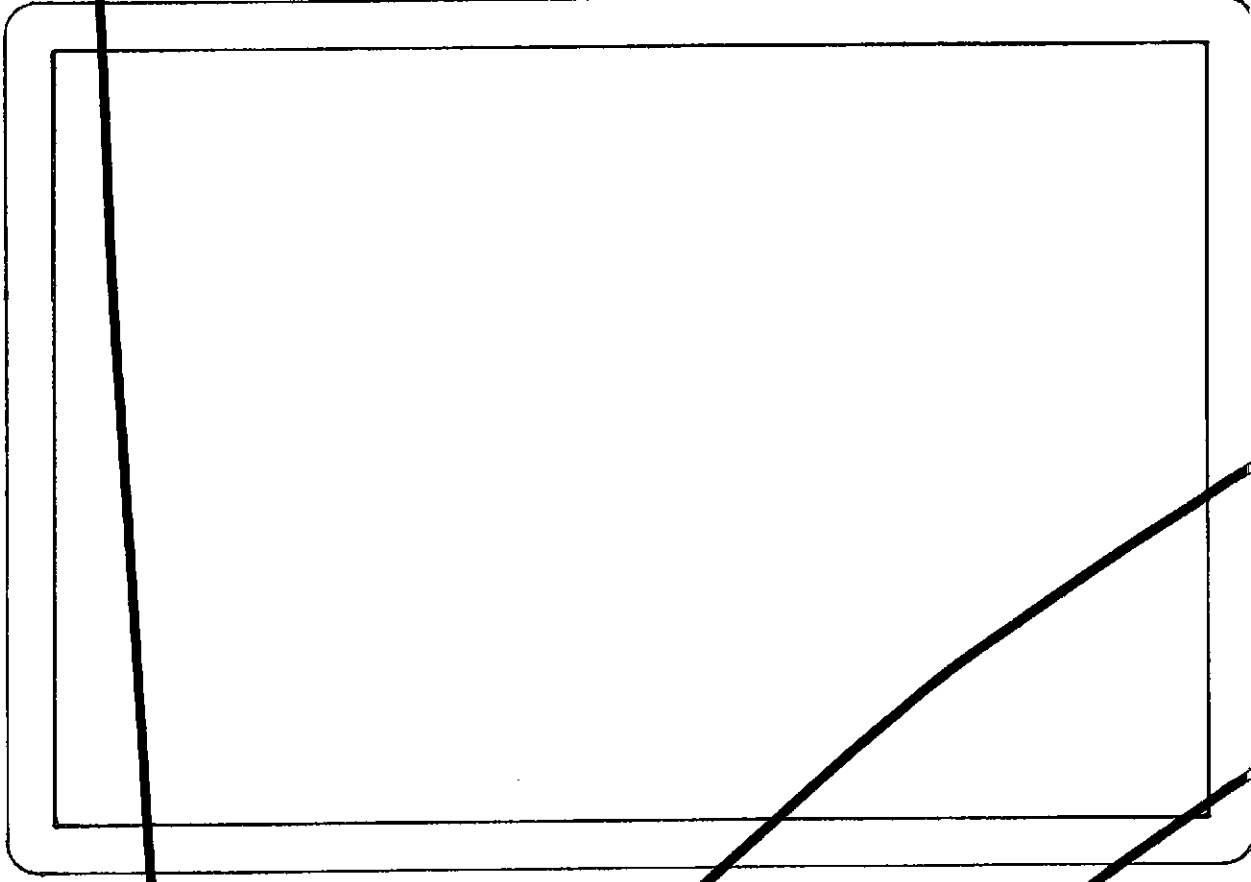


Former Gasoline Station

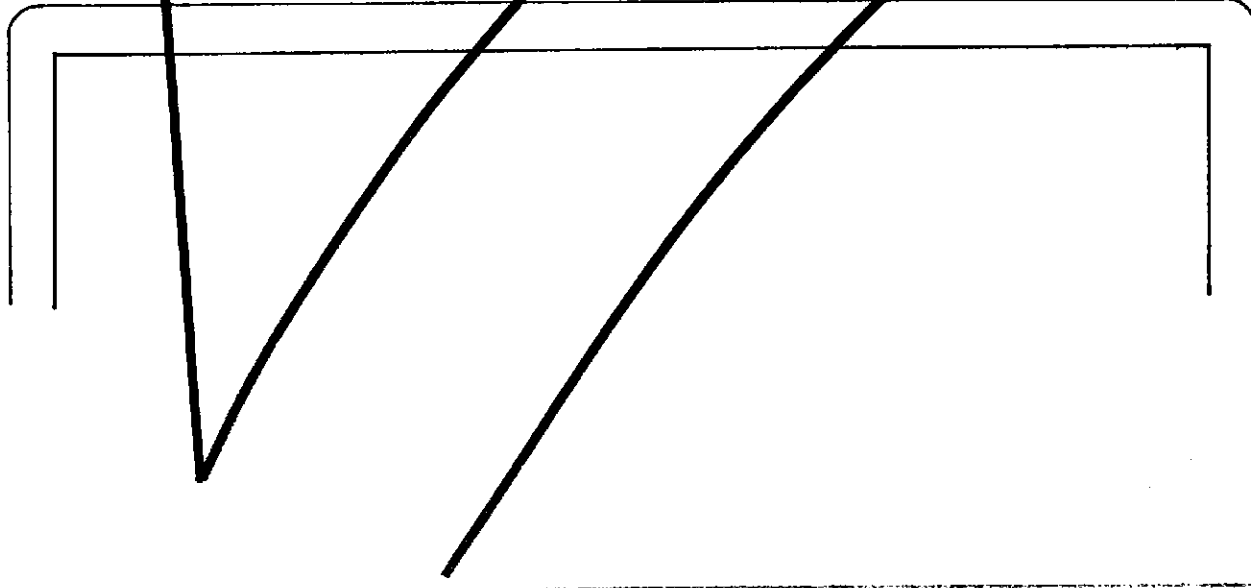
BROADWAY



9TH ST



8TH ST



MW-7
(7.06)

FRANKLIN STREET

Pacific Renaissance
Plaza Site

WEBSTER STREET

MW-12
(NM)

Groundwater
Cutoff Wall

MW-19
(10.06)

9'

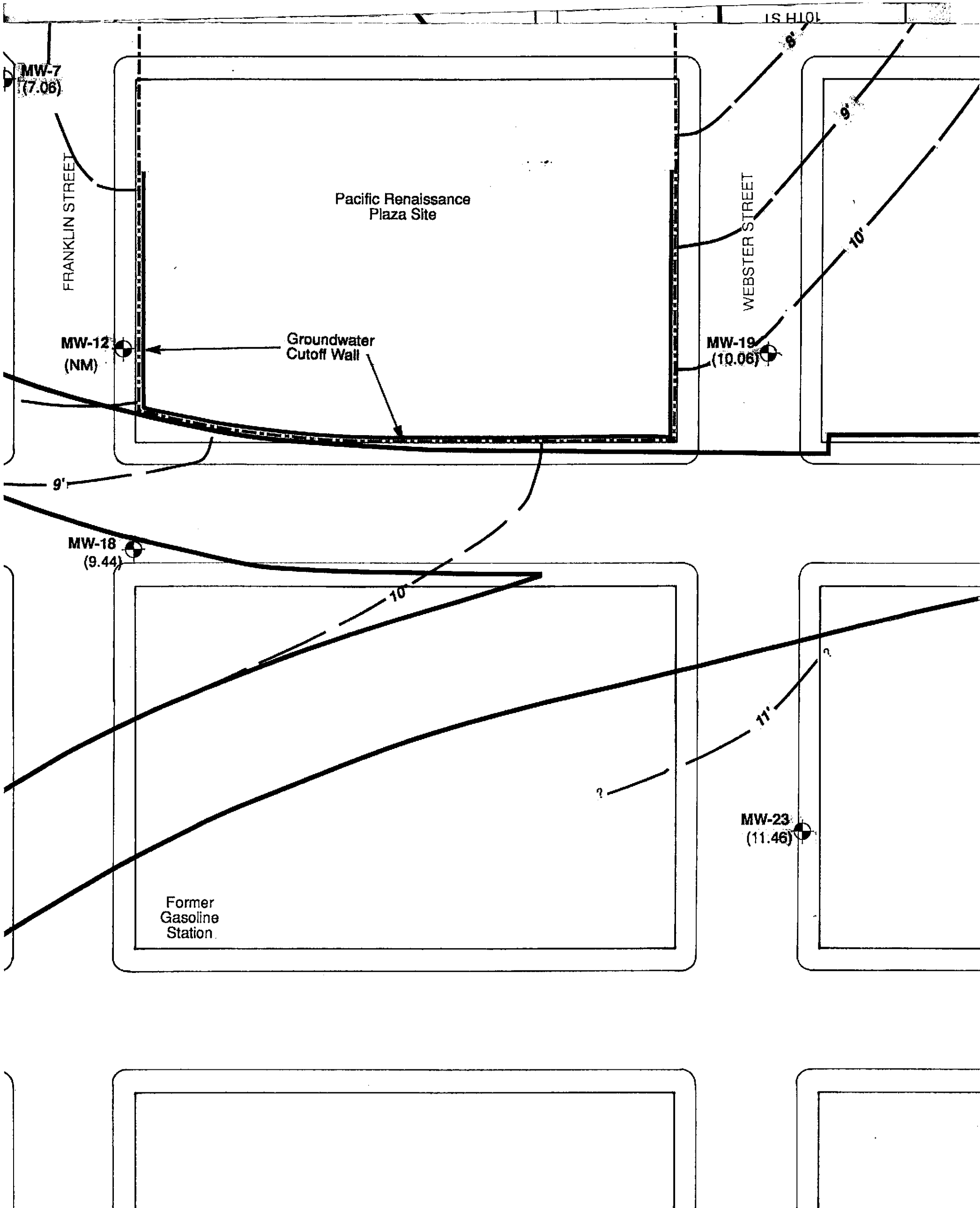
MW-18
(9.44)

10'

Former
Gasoline
Station

MW-23
(11.46)

11'



MW-2
(10.7)

HARRISON STREET

9TH ST

8TH S

Operating
Gasoline
Station

Operating
Gasoline
Station

EXPLANATION

MW-2
(5.98)



Monitoring Well Location and Number.
(Water-level elevations in feet AMSL
measured March 8, 1991)



BART Subsurface Easement Boundary



PRP Site Boundary



EBMUD Site Boundary



Water-Level Elevation Contour (feet AMSL)
(Contour Interval = 1 foot)

Note: These water-level contours do not
represent the effects of the injection
wells between the southern site boundary
and the BART tunnel, which are being
operated by the construction contractor.

NM

Not Measured



SCALE IN FEET



Harding Lawson Associates

Engineering and
Environmental Services

**Plan of Sites and Vicinity and
Water-Level Contour Map - March 1991**
Chinatown Redevelopment Project Area
Oakland, California

DRAWN

JOB NUMBER

APPROVED

DATE

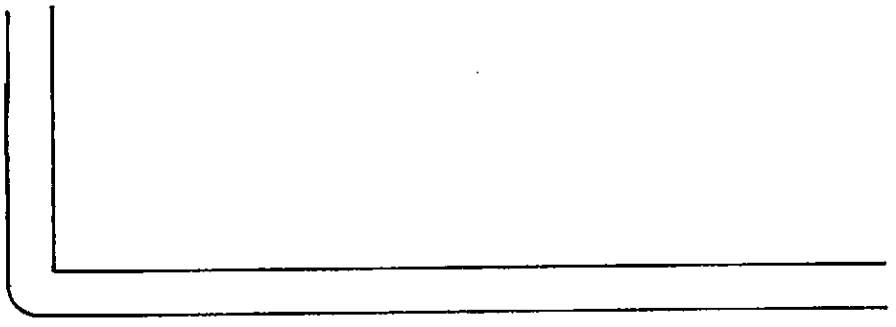
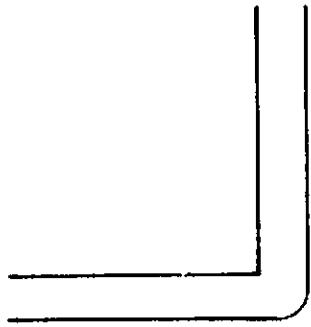
REVISED

NJB

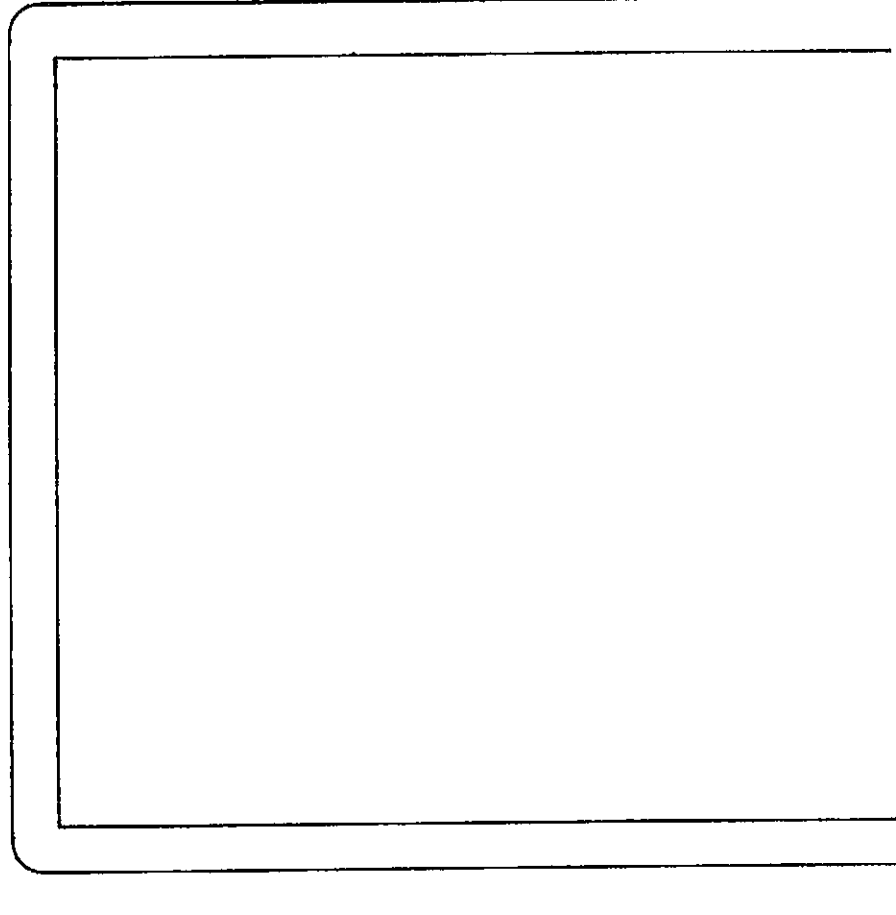
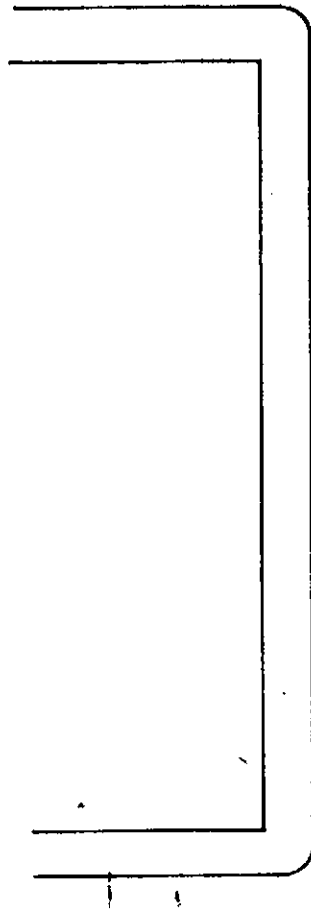
09382.040.02

MTE

4/91

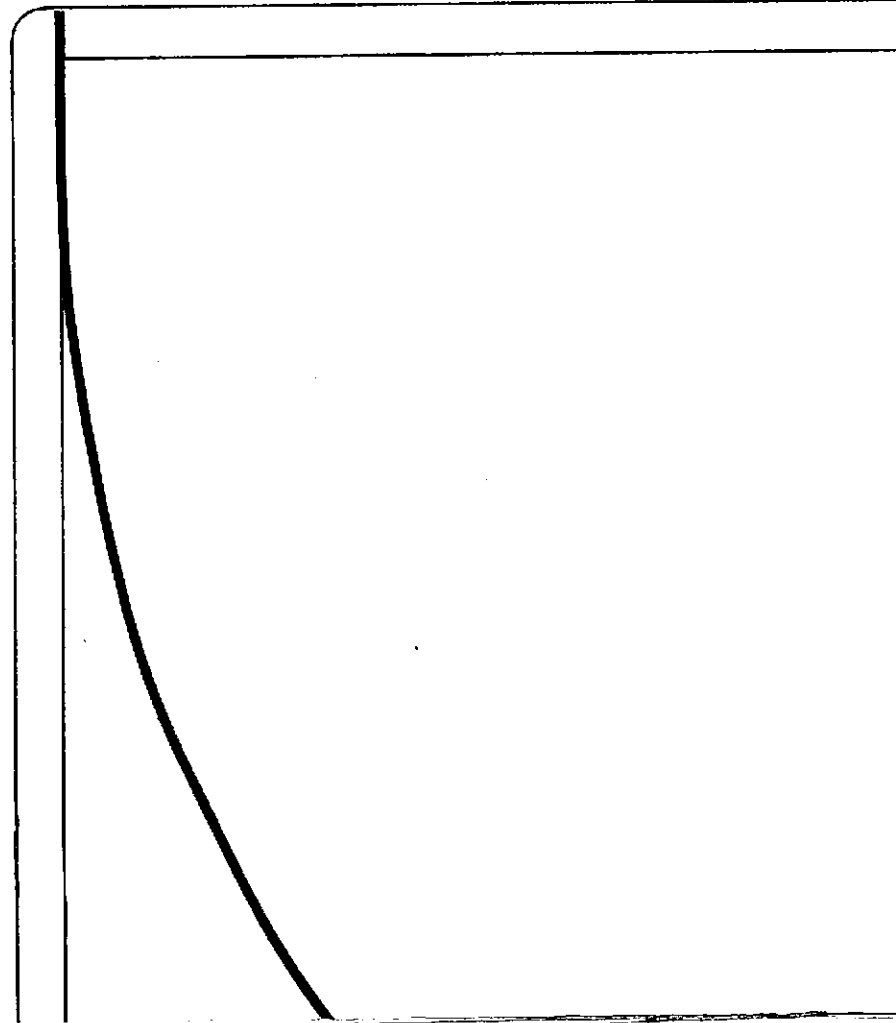


12 TH ST



BROADWAY

11TH ST



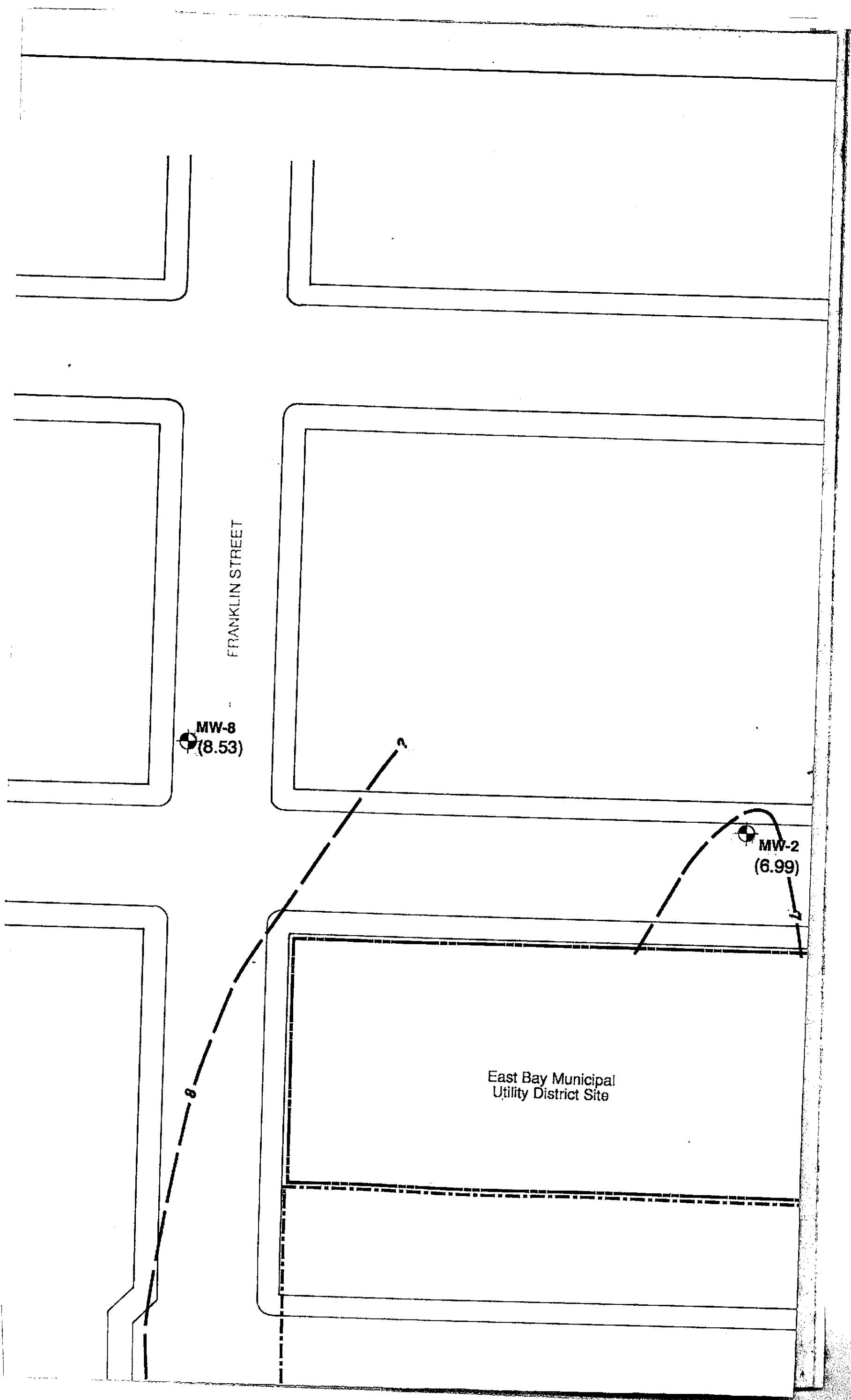
10TH ST

FRANKLIN STREET

MW-8
(8.53)

MW-2
(6.99)

East Bay Municipal
Utility District Site



Former
Gasoline
Station

12 TH ST

Operating Automobile
Dealership and
Repair Shop

HARRISON STREET

11TH ST

10TH ST

L-MW

BROADWAY

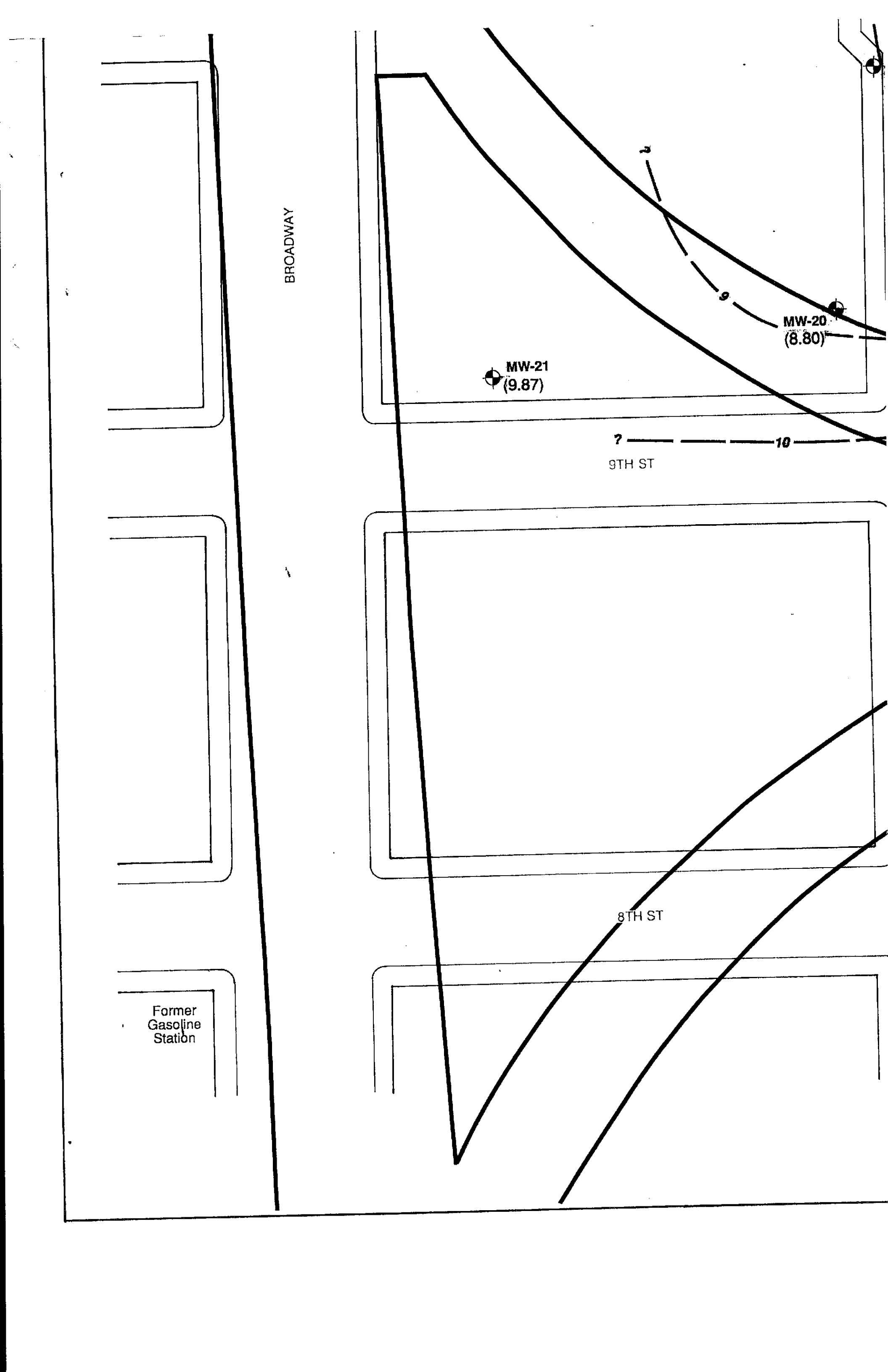
MW-21
(9.87)

MW-20
(8.80)

? ——— 10 ———
9TH ST

8TH ST

Former
Gasoline
Station



MW-7
(8.04)

FRANKLIN STREET

Pacific Renaissance
Plaza Site

WEBSTER STREET

MW-12
(NM)

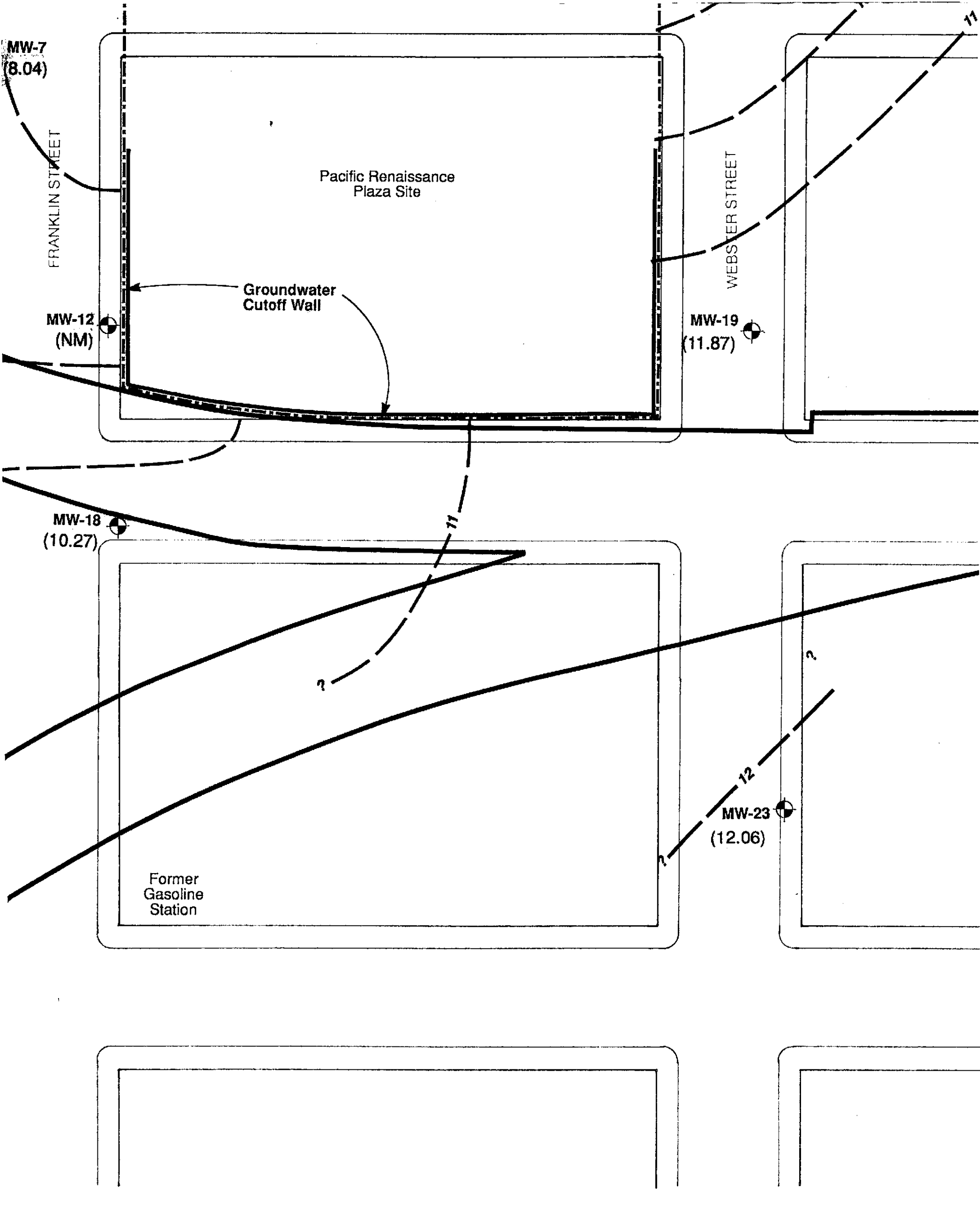
Groundwater
Cutoff Wall

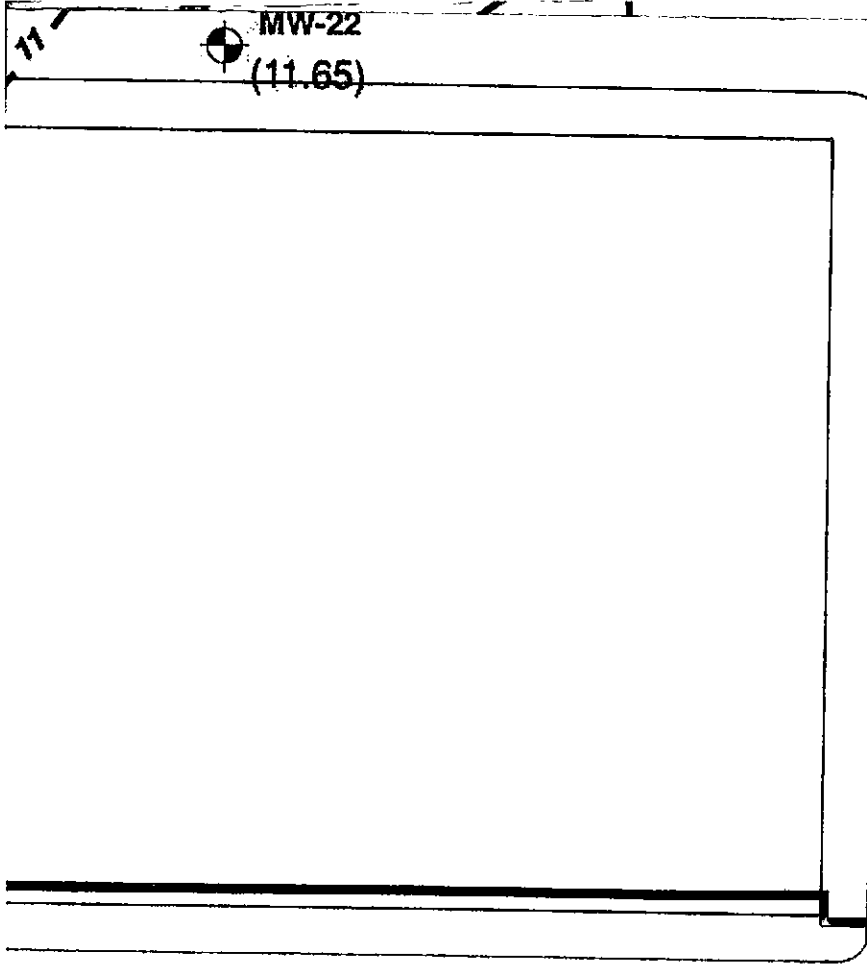
MW-19
(11.87)

MW-18
(10.27)

Former
Gasoline
Station

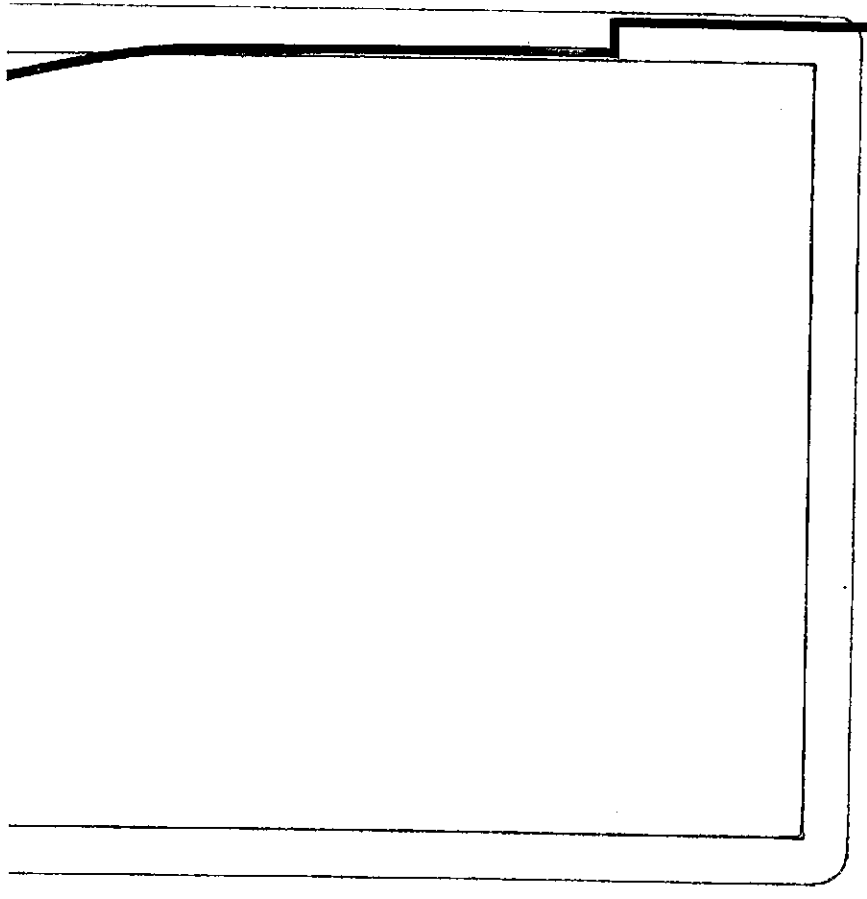
MW-23
(12.06)



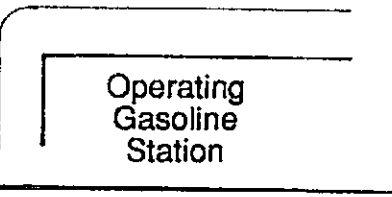
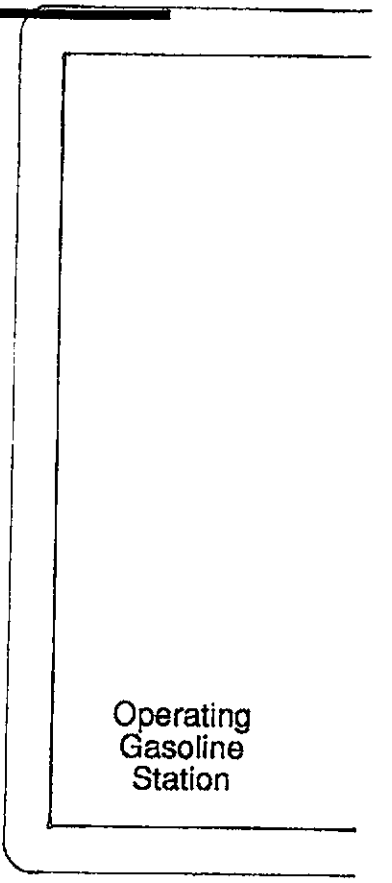
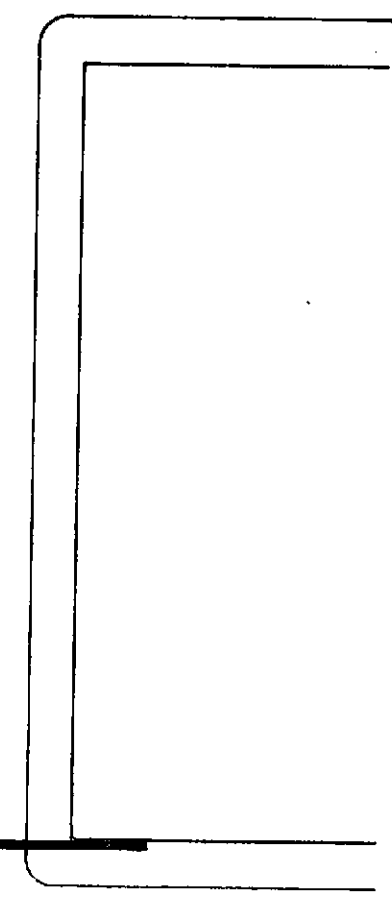


HARRISON STREET

9TH ST



8TH ST



MW-2
(7.41)

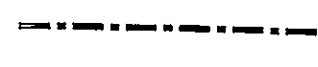


EXPL

Monit
(Water
meas



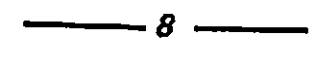
BART



PRP S



EBMU

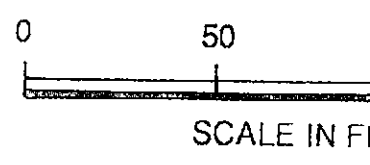
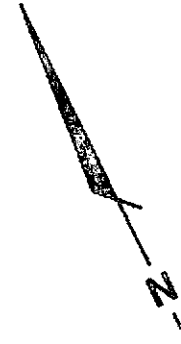


Water-
(Contc

Note: These
repres
wells b
and th
operat

NM

Not Me



SCALE IN FEET



Harding Lawson Associates
Engineering and
Environmental Services

**Plan of Sites and
Water-Level Co**
Chinatown Red
Oakland, Califor

DRAWN
NJB

JOB NUMBER
09382,040.02

APPROVED

MTE

HARRISON STREET

EXPLANATION

MW-2
(7.41)



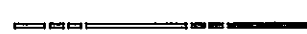
Monitoring Well Location and Number
(Water-level elevations in feet AMSL
measured June 6, 1991)



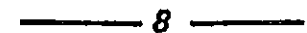
BART Subsurface Easement Boundary



PRP Site Boundary



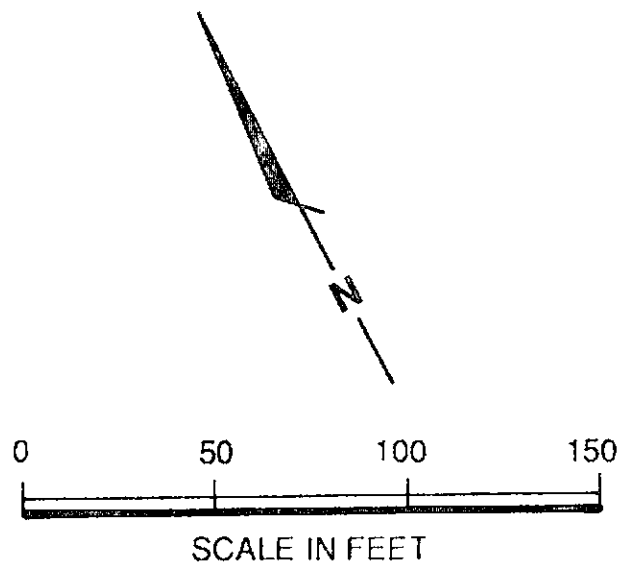
EBMUD Site Boundary



Water-Level Elevation Contour (feet AMSL)
(Contour Interval = 1 foot)

Note: These water-level contours do not represent the effects of the injection wells between the southern site boundary and the Bart tunnel, which were being operated by the construction contractor

NM Not Measured



Operating Gasoline Station

Operating Gasoline Station

PLATE



Harding Lawson Associates

Engineering and Environmental Services

**Plan of Sites and Vicinity and
Water-Level Contour Map - June 1991**
Chinatown Redevelopment Project Area
Oakland, California

1

DRAWN
NJB

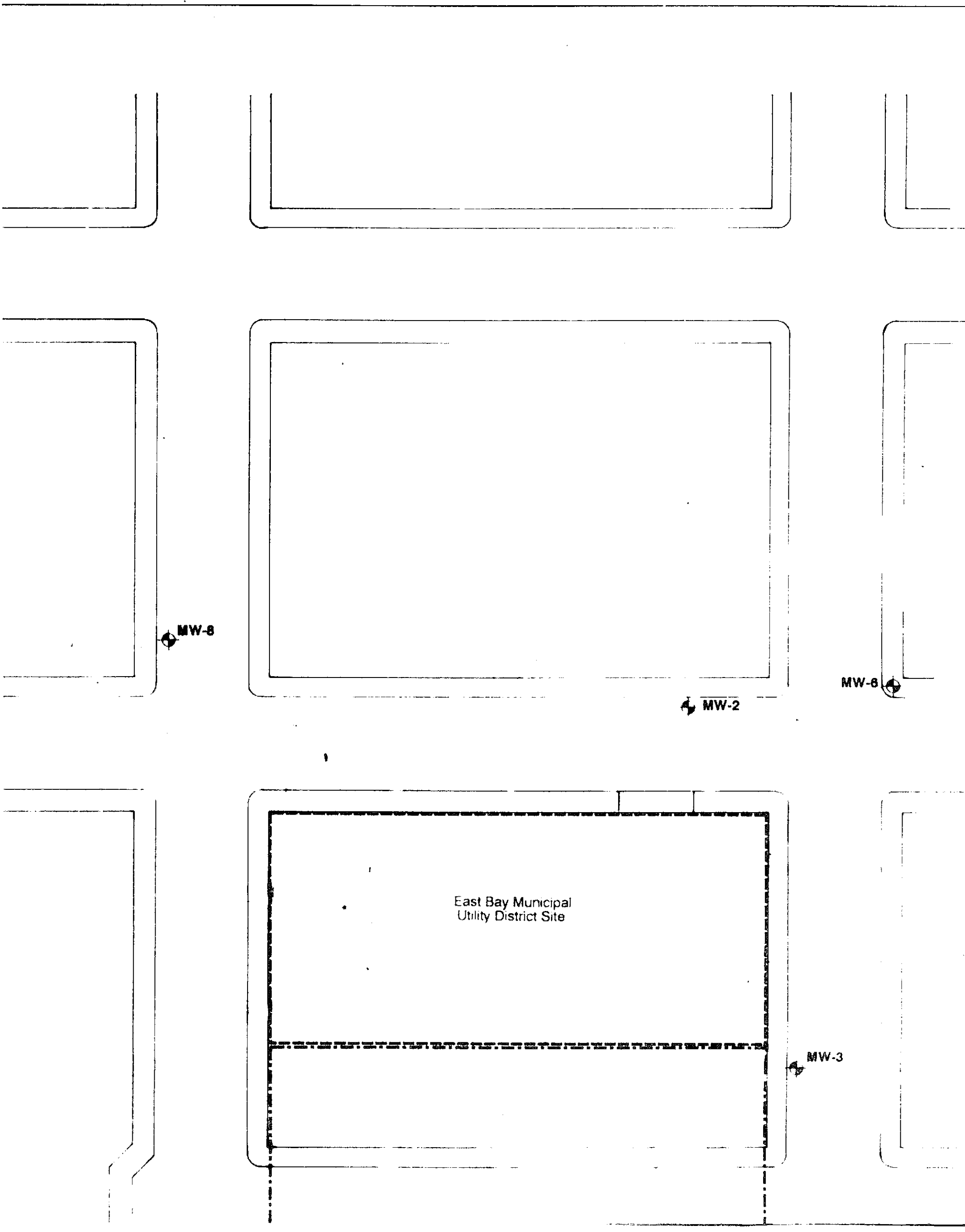
JOB NUMBER
09382,040.02

APPROVED

MTE

DATE
7/91

REVISED DATE
8/91



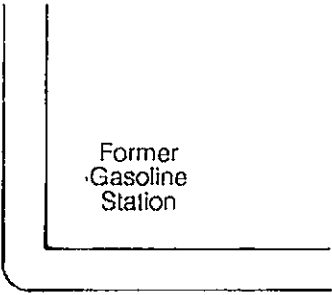
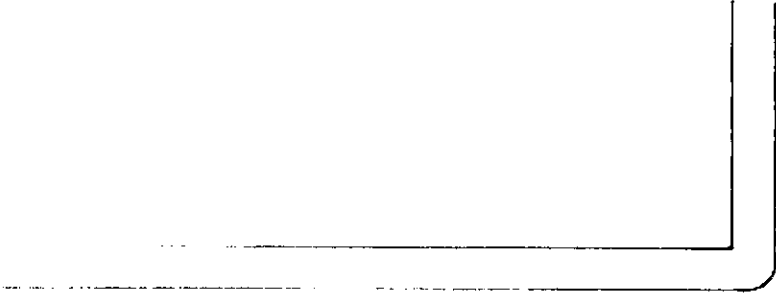
MW-8

MW-2

MW-8

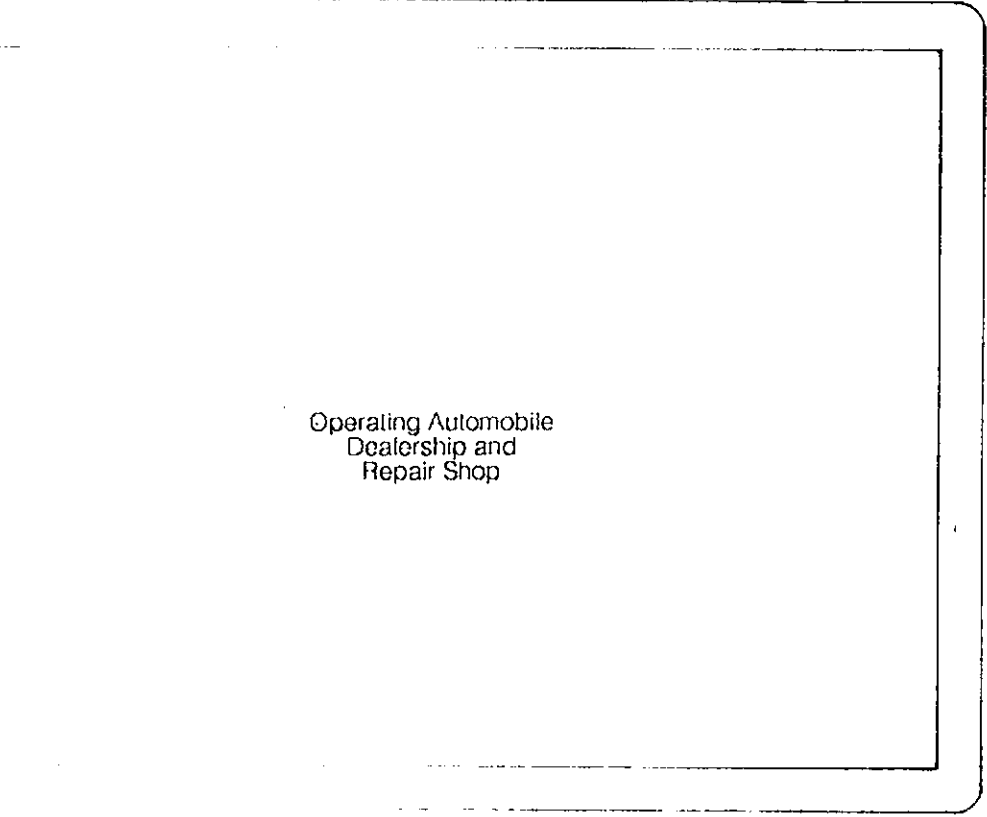
East Bay Municipal
Utility District Site

MW-3

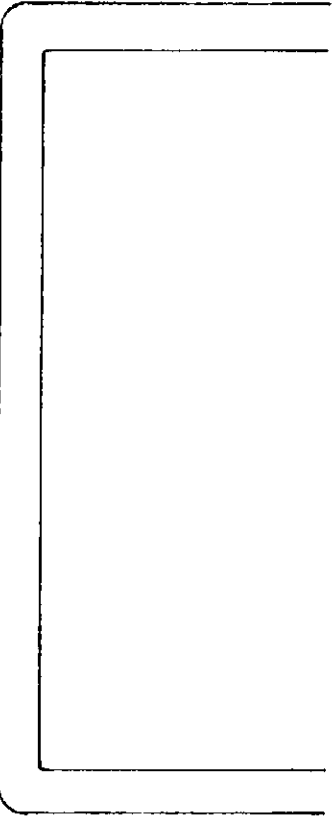


Former
Gasoline
Station

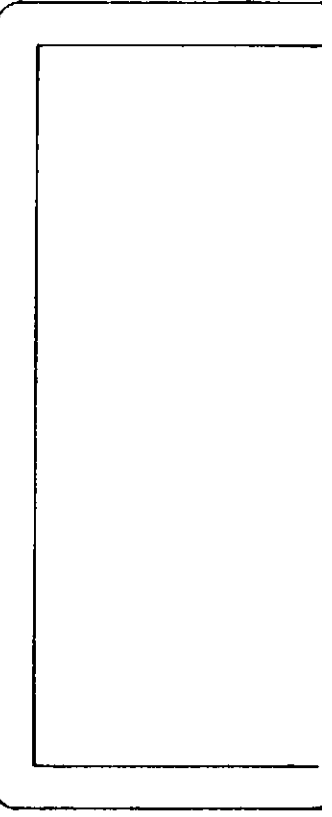
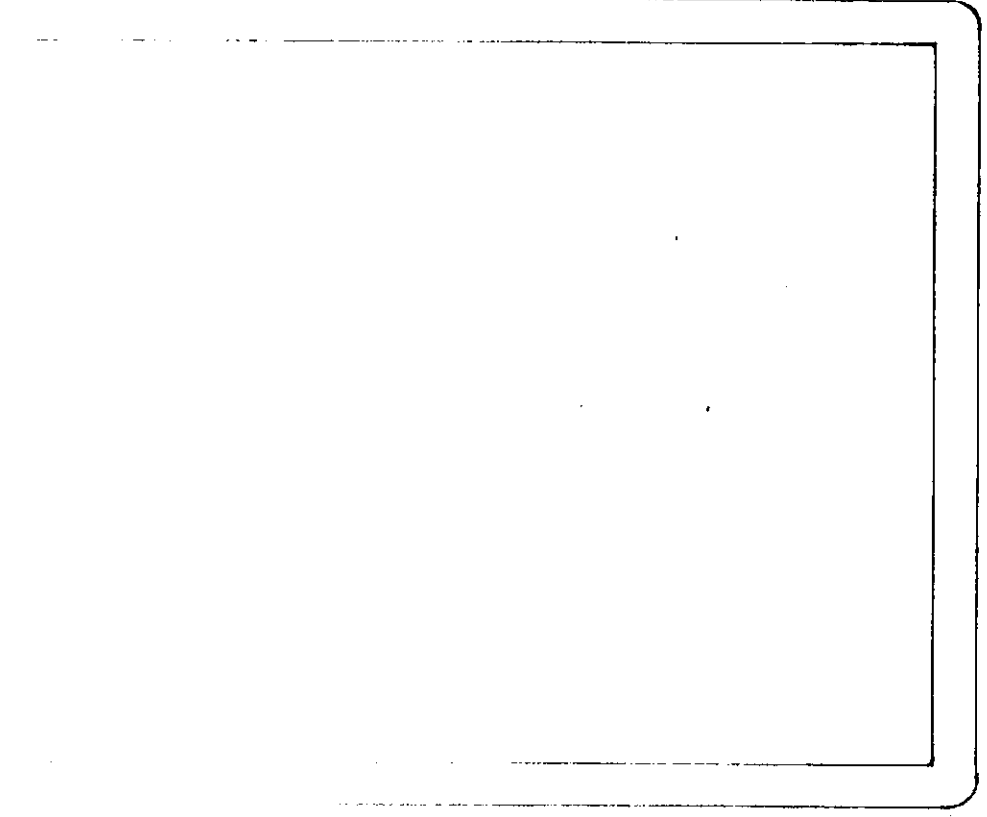
12TH STREET



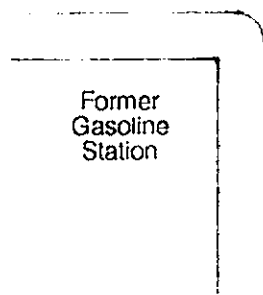
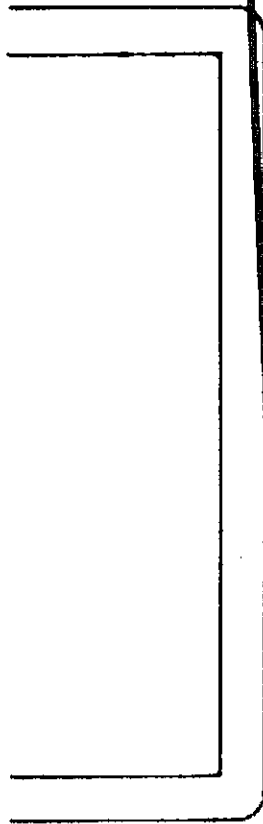
Operating Automobile
Dealership and
Repair Shop



11TH STREET

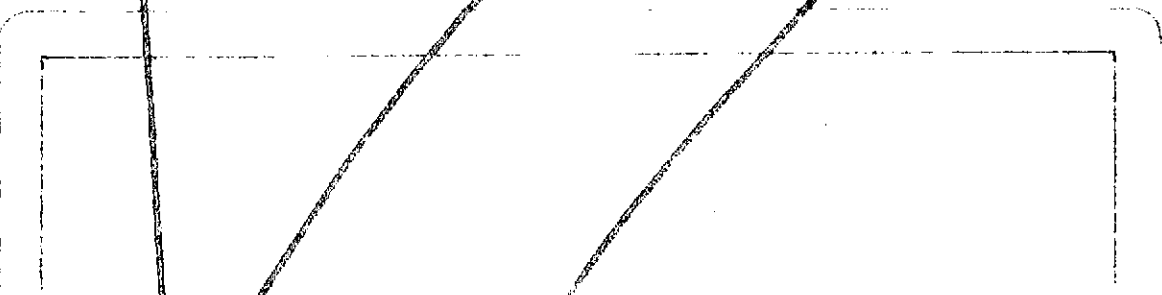
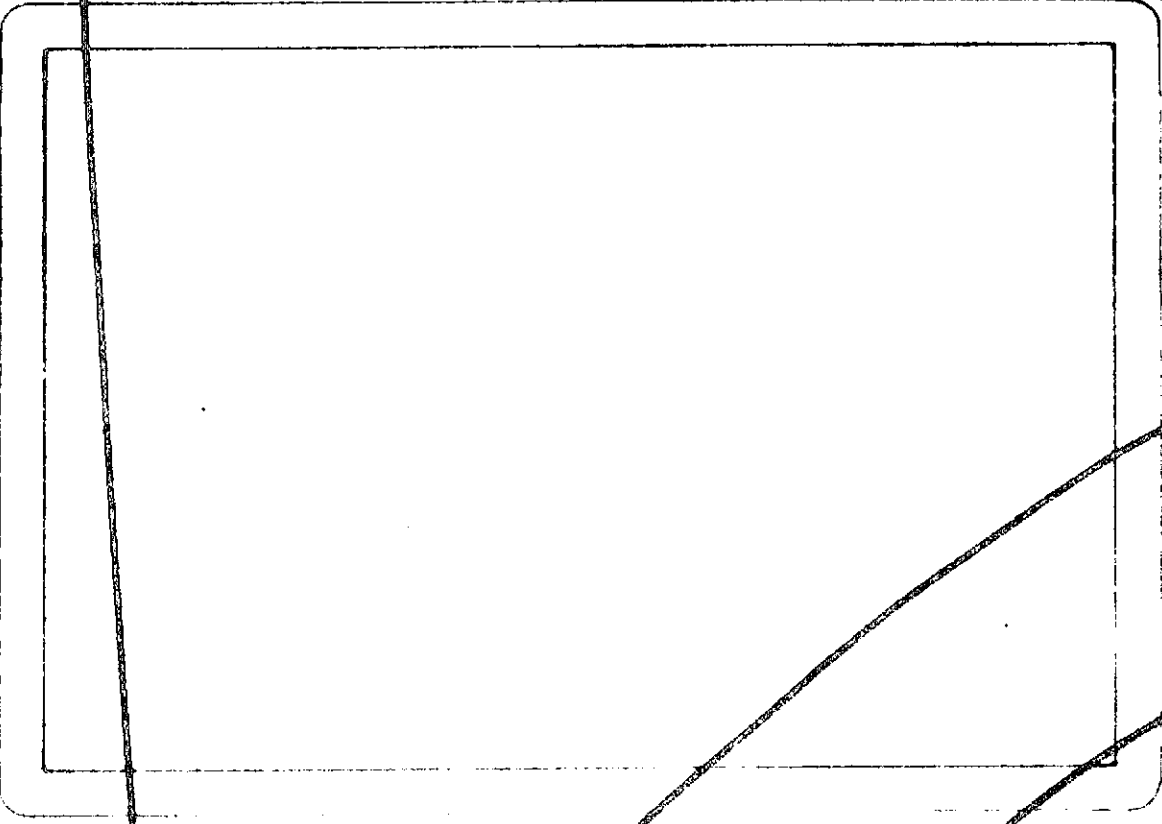


10TH STREET



Former Gasoline Station

BROADWAY



MW-21
(10.70)

MW-20
(13.80)

MW-7
(13.95)

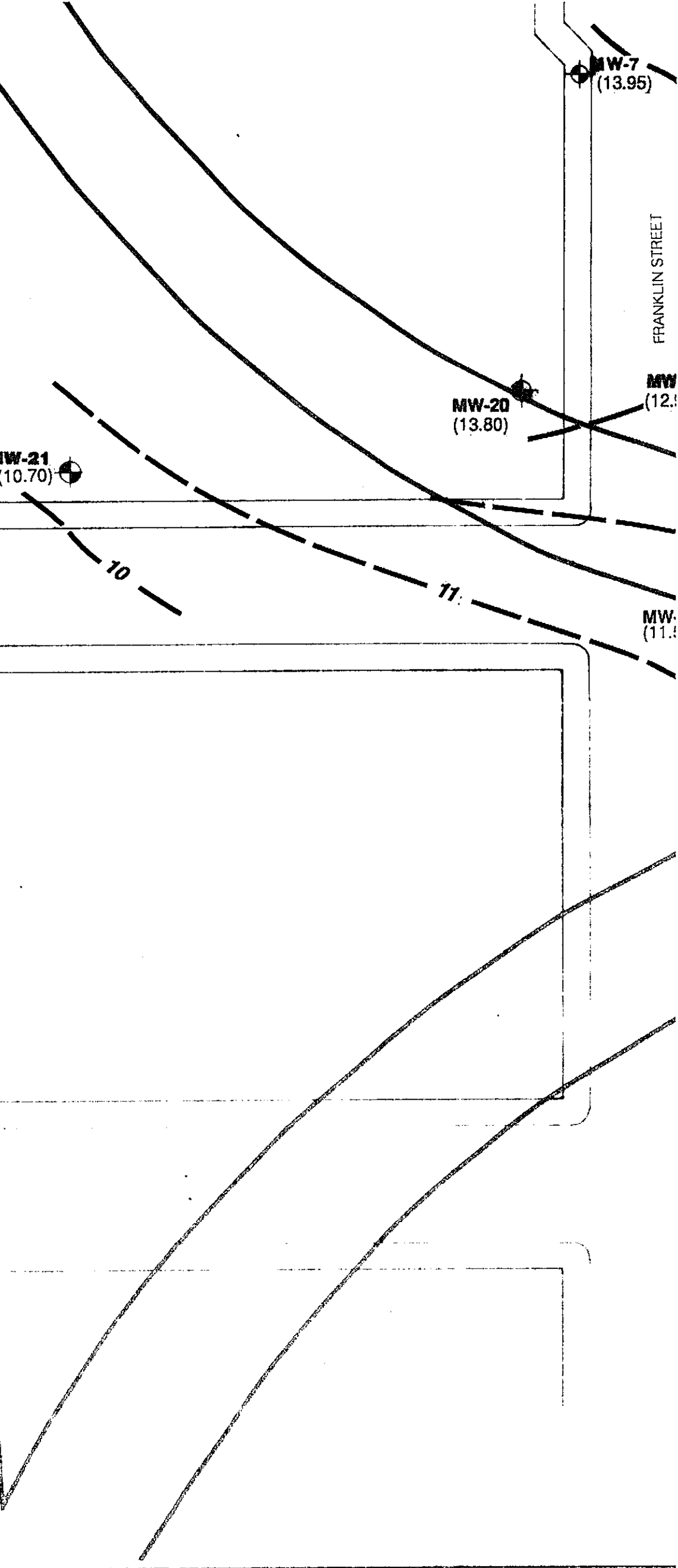
FRANKLIN STREET

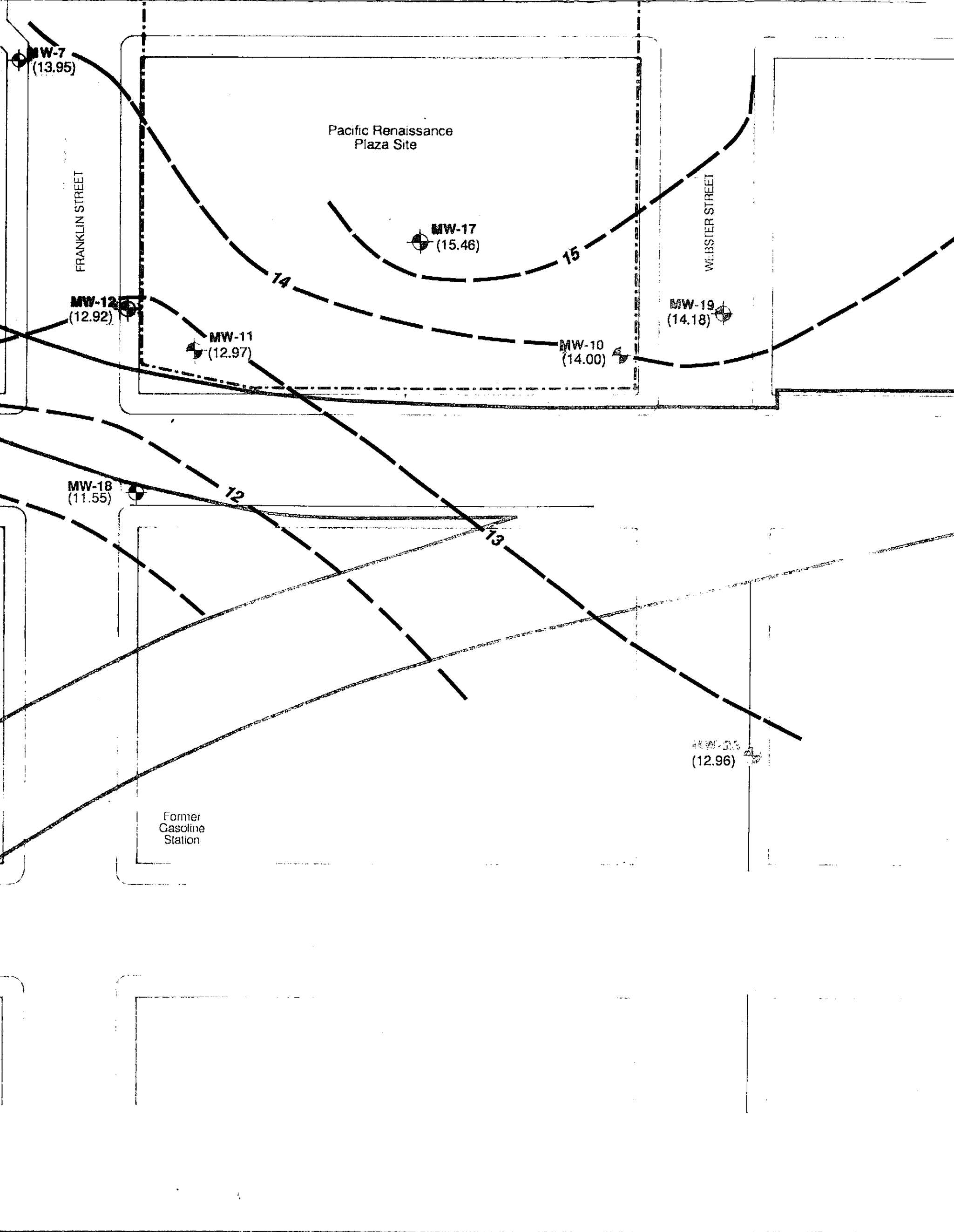
MW
(12.1)

MW
(11.1)

10

11




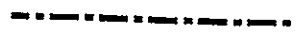
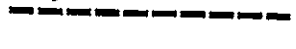



MW-22
(14.56)

EXPLANATION

MW-1
(13.95)

Monitoring Well Location and Number
(water-level elevations in feet AMSL
measured September 12-13, 1990)

-  BART Subsurface Easement Boundary
-  PRP Site Boundary
-  EBMUD Site Boundary
-  Water-Level Elevation Contour (feet AMSL)
contour interval = 1 foot

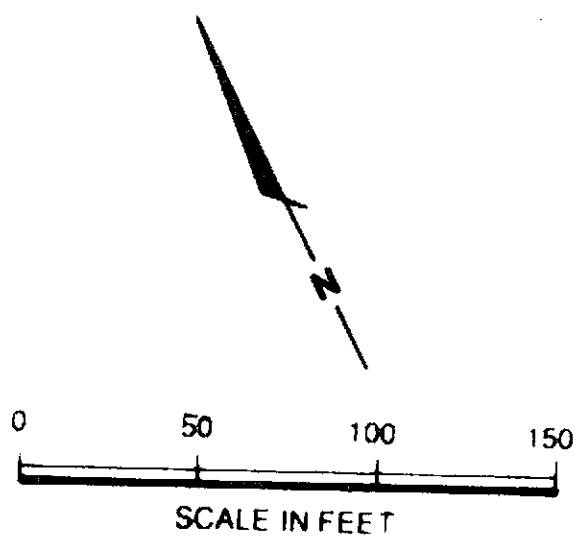
HARRISON STREET

9TH STREET

Operating Gasoline Station

8TH STREET

Operating Gasoline Station



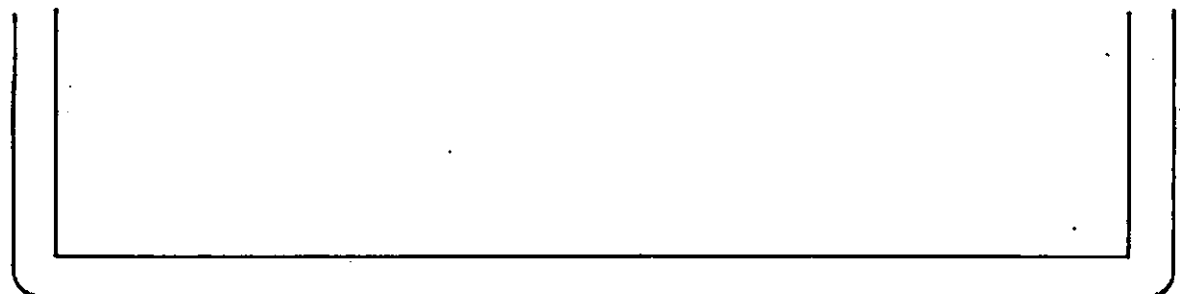
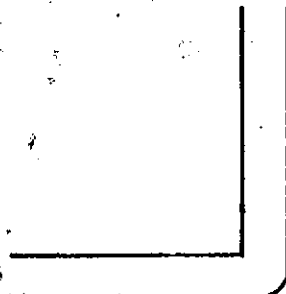
Harding Lawson Associates
Engineering and Environmental Services

Plan of Sites and Vicinity
Water-Level Contour Map - September 1990
Chinatown Redevelopment Project Area
Oakland, California

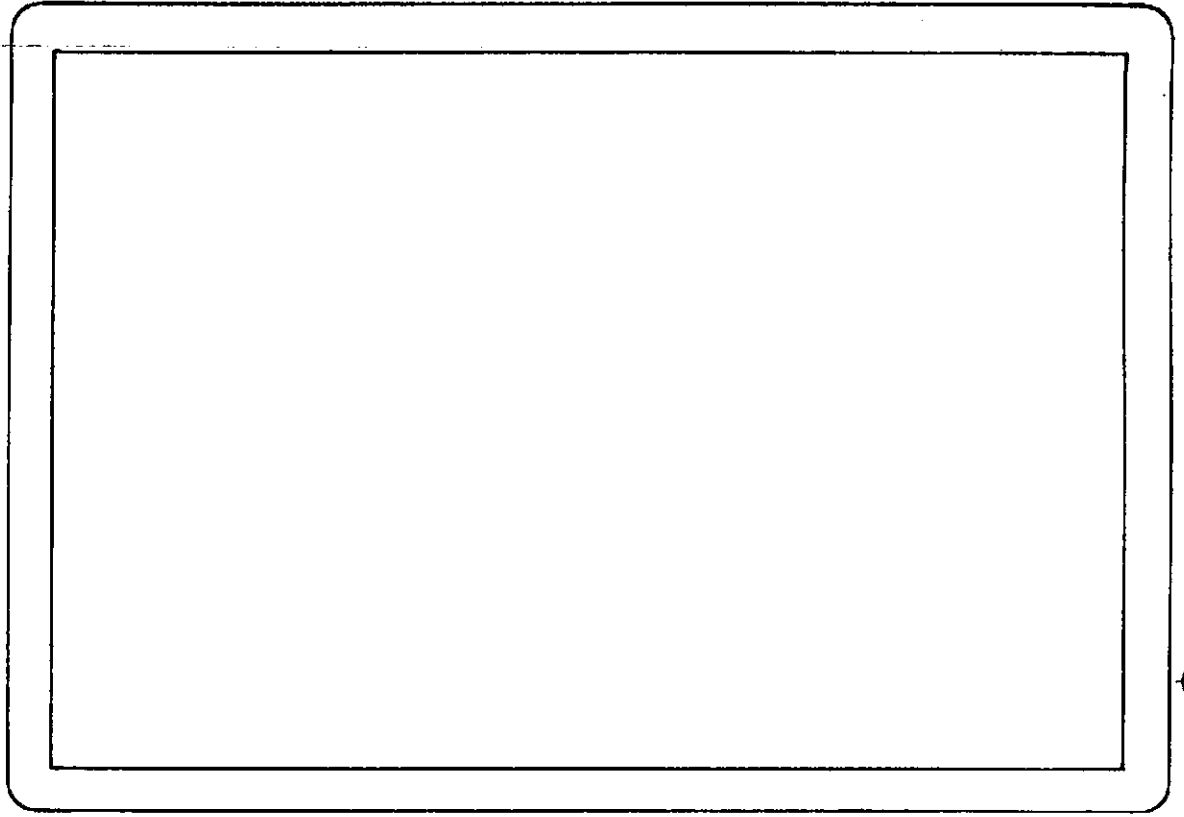
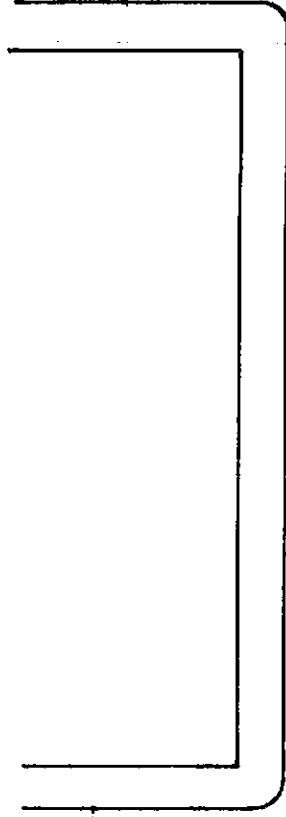
PLATE
1

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CVD	9382,040.02	MTE	11/90	

1980



12 TH ST

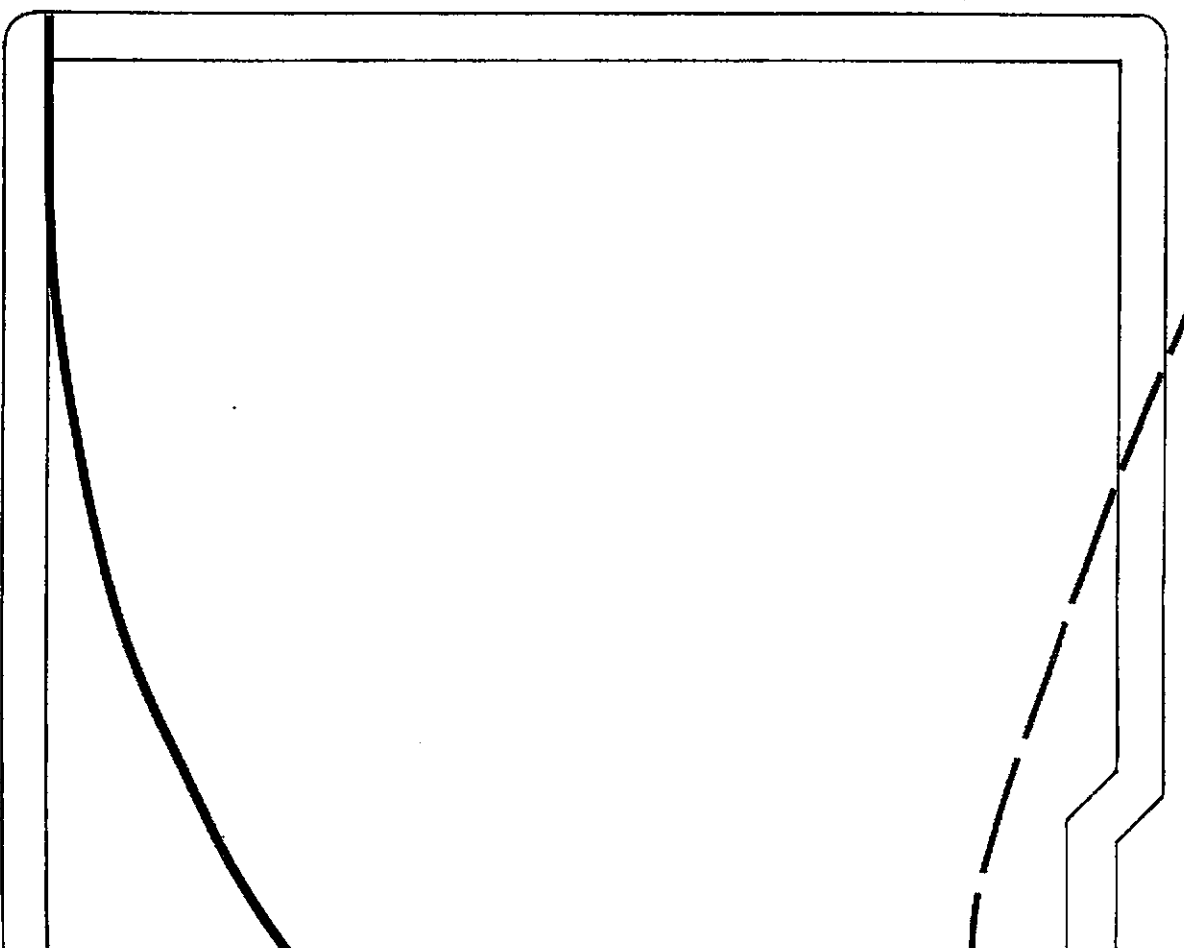
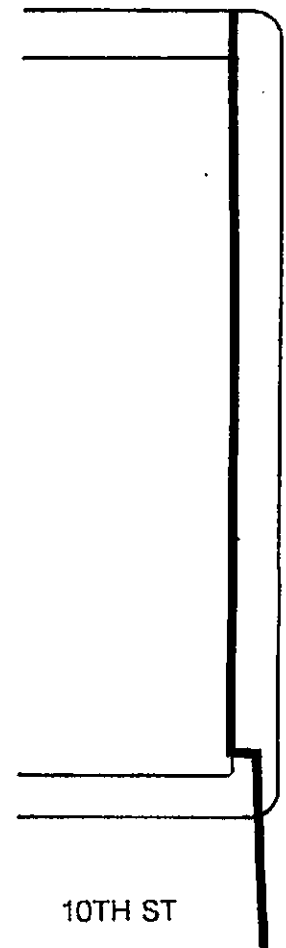


BROADWAY

FRANKLIN STREET

MW-8
(11.8)

11TH ST



10TH ST

12

FRANKLIN STREET

WEBSTER STREET

MW-8
(11.82)

MW-2
(12.61)

MW-6
(13.01)

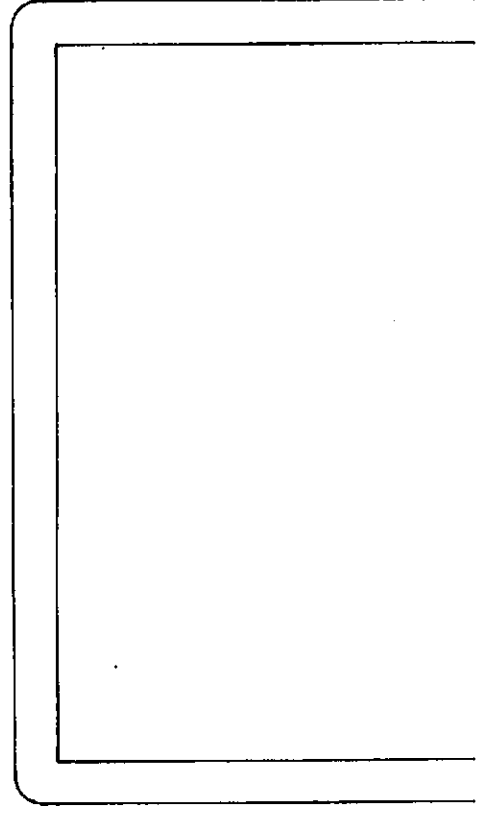
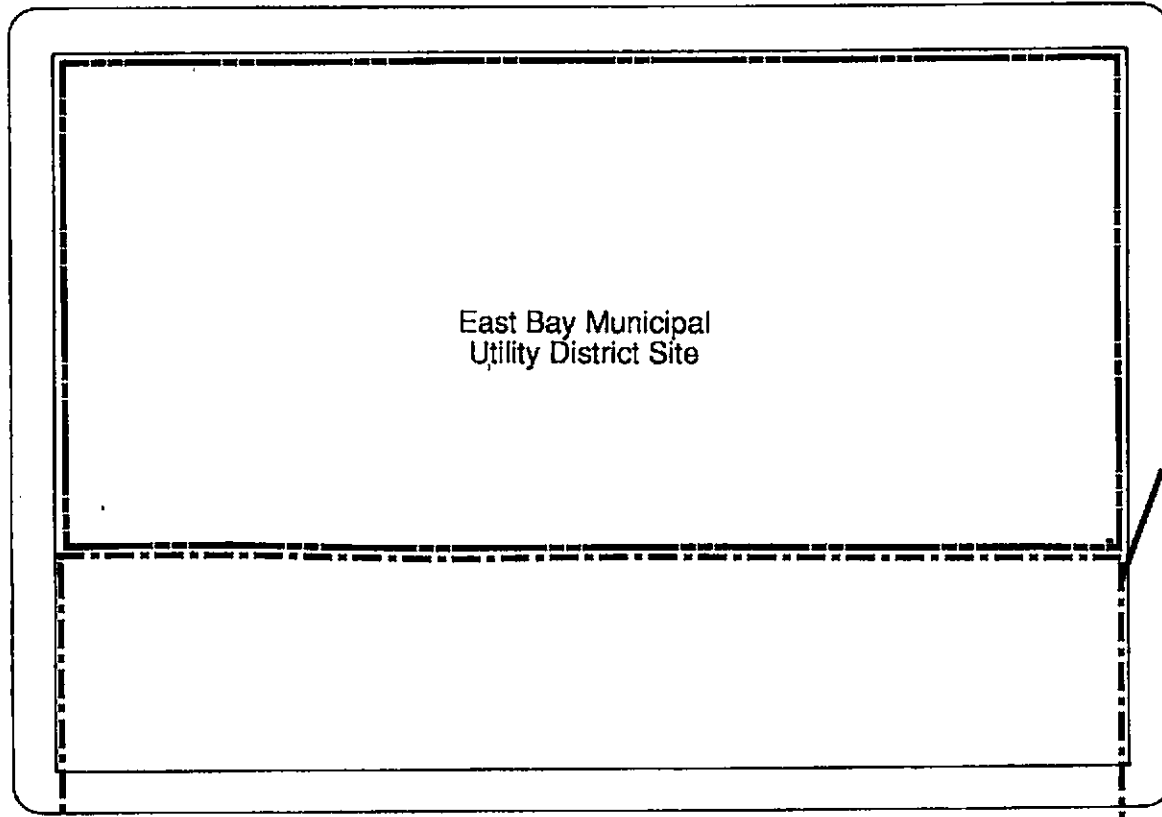
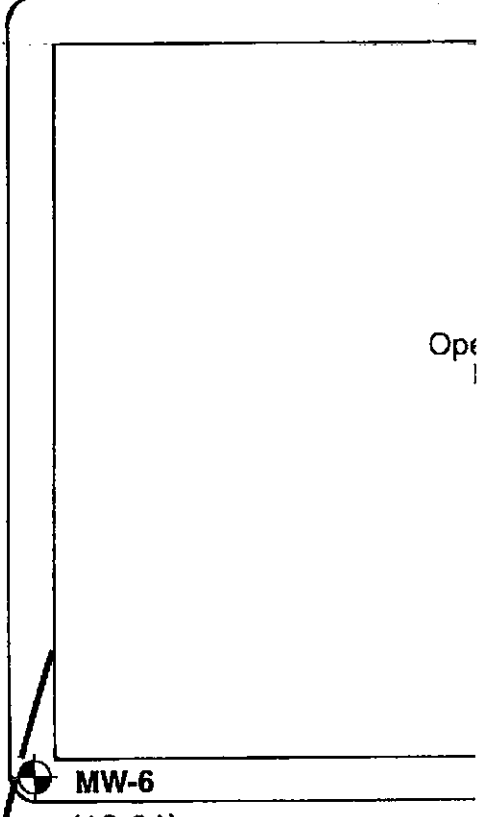
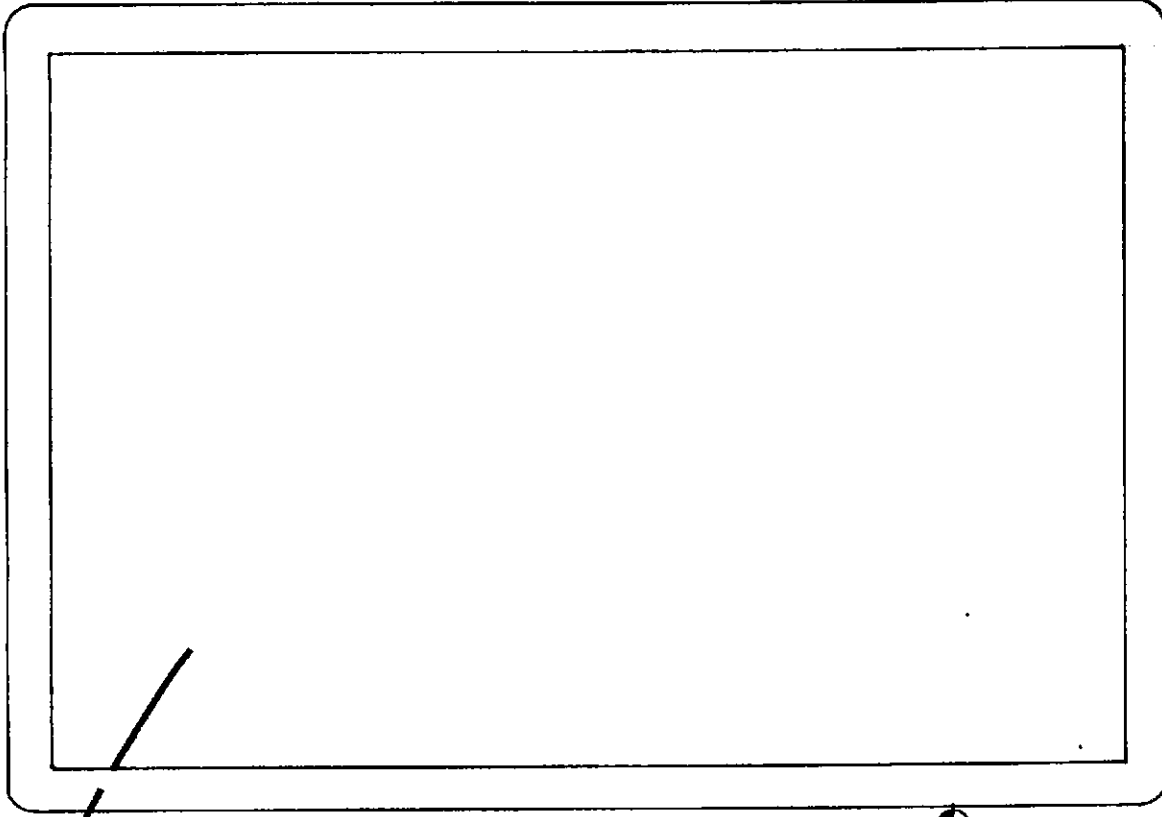
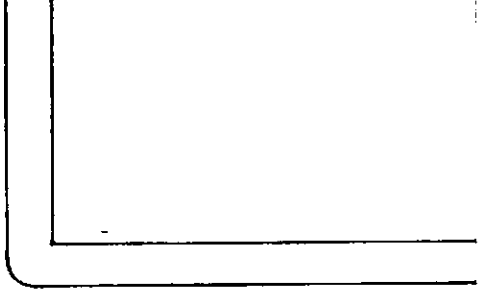
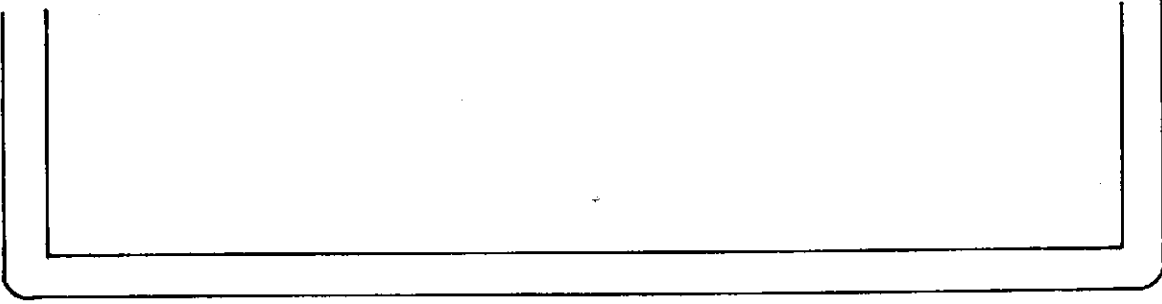
East Bay Municipal
Utility District Site

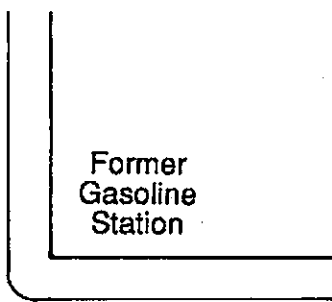
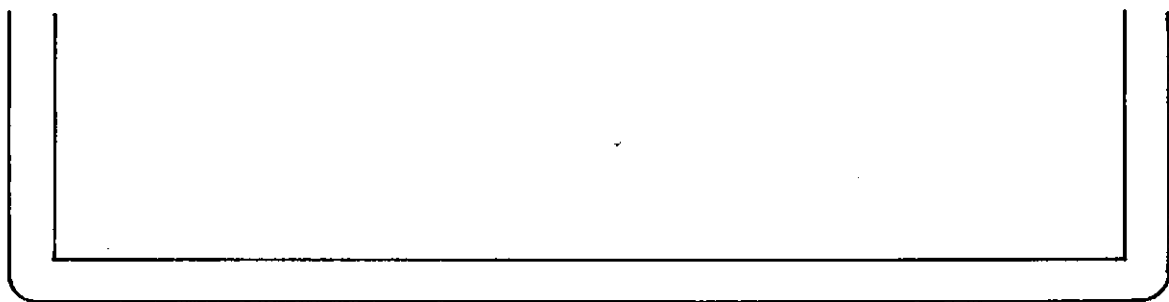
MW-3
(13.07)

12

13

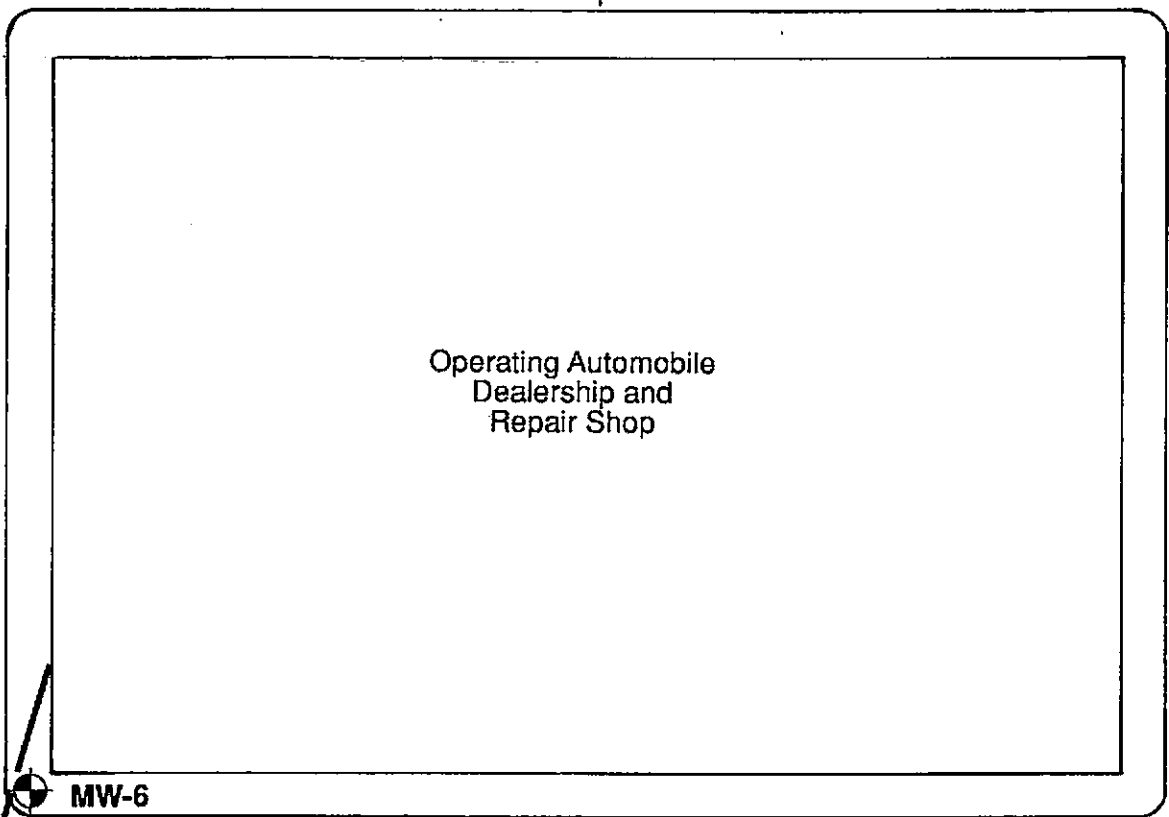
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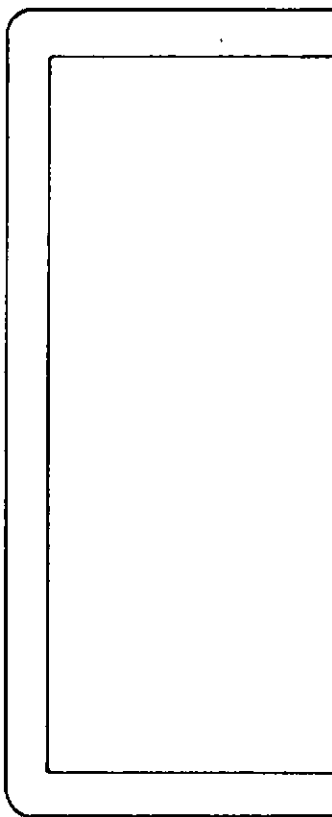


Former Gasoline Station

12 TH ST



Operating Automobile Dealership and Repair Shop



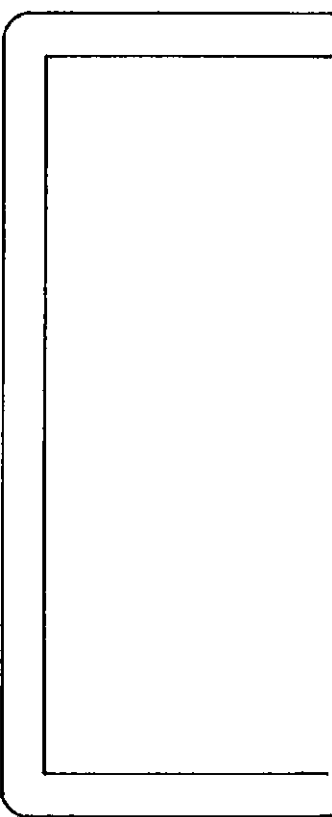
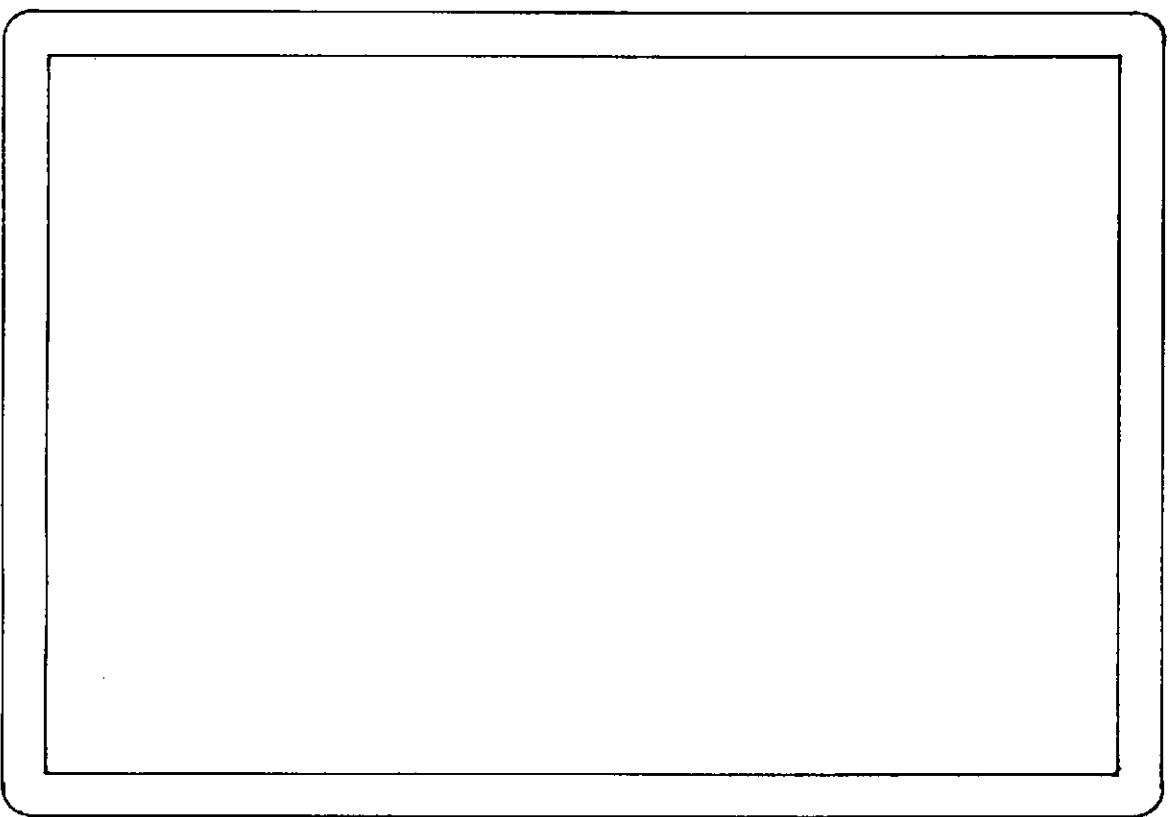
WEBSTER STREET

HARRISON STREET



MW-6
(13.01)

11TH ST

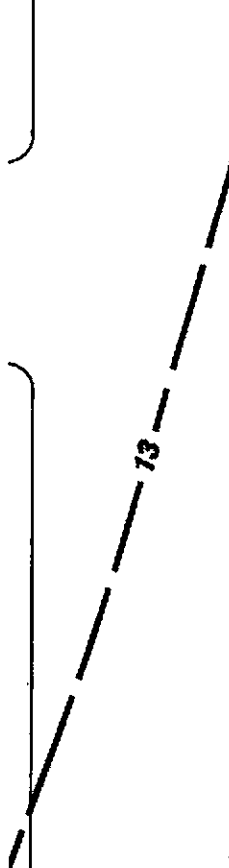


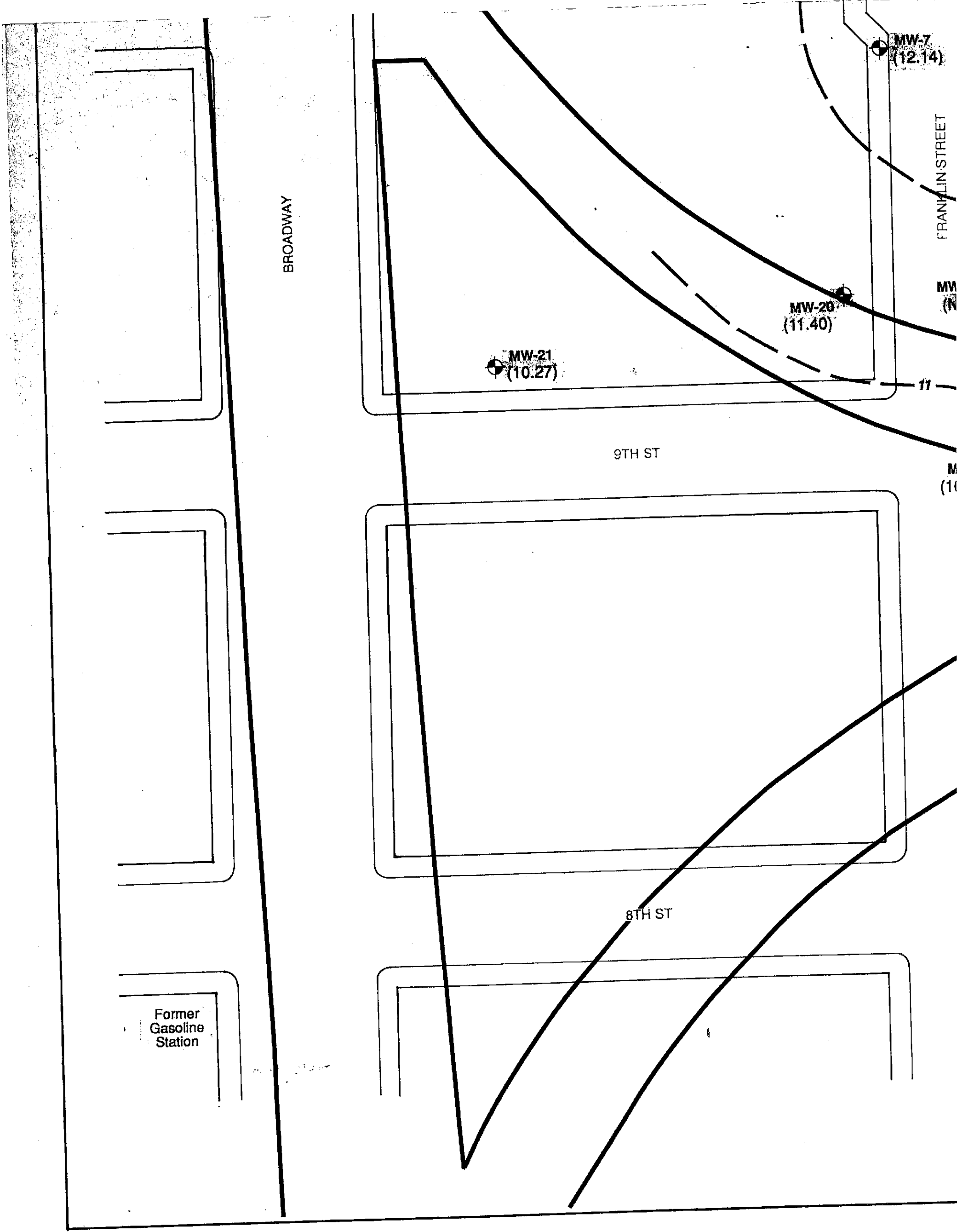
10TH ST



MW-3
(13.07)

13





BROADWAY

FRANKLIN STREET

MW-7
(12.14)

MW-20
(11.40)

MW-21
(10.27)

9TH ST

8TH ST

Former
Gasoline
Station

MW-7
(12.14)

FRANKLIN STREET

Pacific Renaissance
Plaza Site

WEBSTER STREET

MW-12
(NM)

GROUNDWATER
CUTOFF WALL

MW-19
(13.50)

11

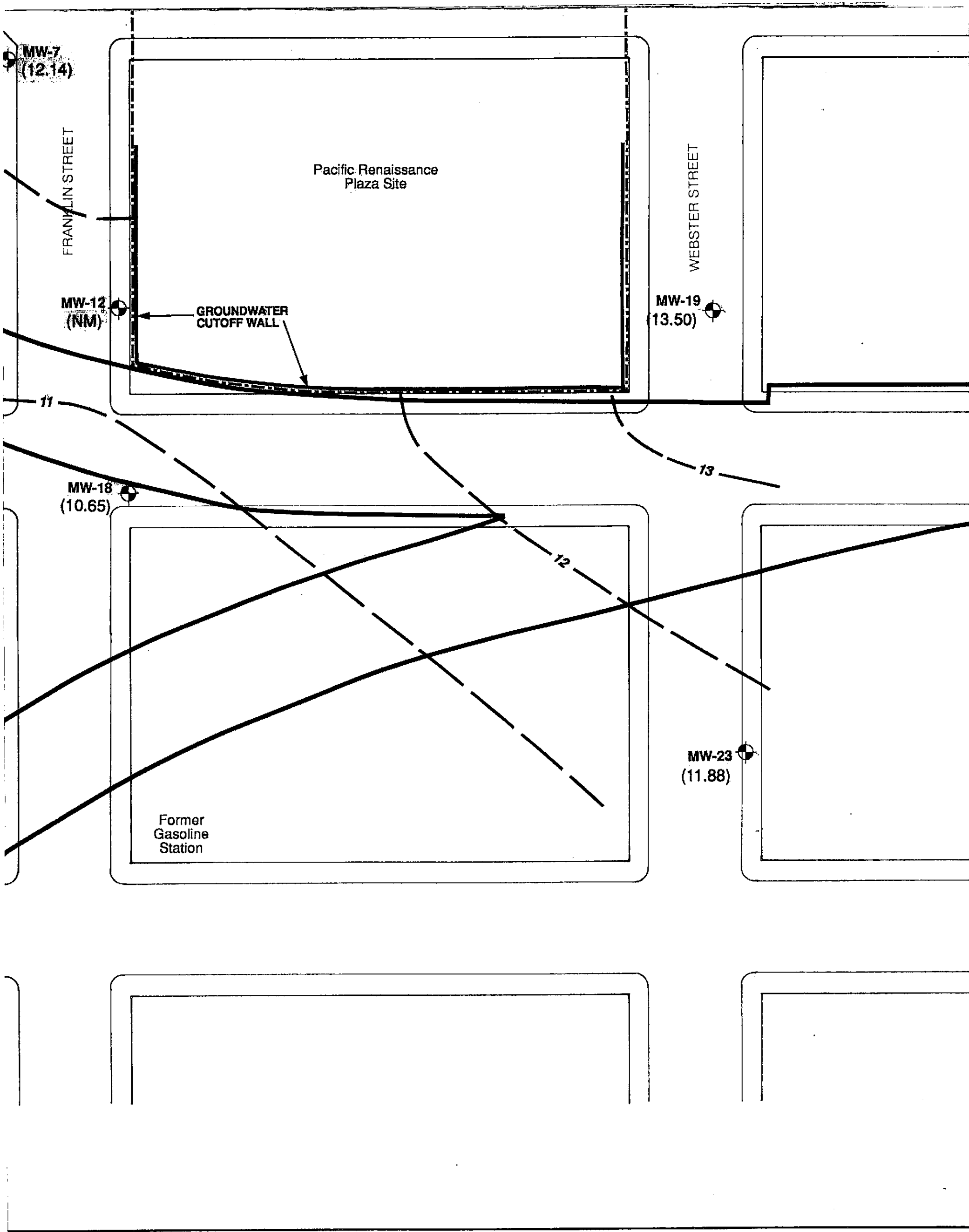
13

MW-18
(10.65)

12

Former
Gasoline
Station

MW-23
(11.88)



MW-22
(13.61)

WEBSTER STREET

HARRISON STREET

MW-19
(13.50)

9TH ST

13

MW-23
(11.88)

Operating
Gasoline
Station

8TH ST

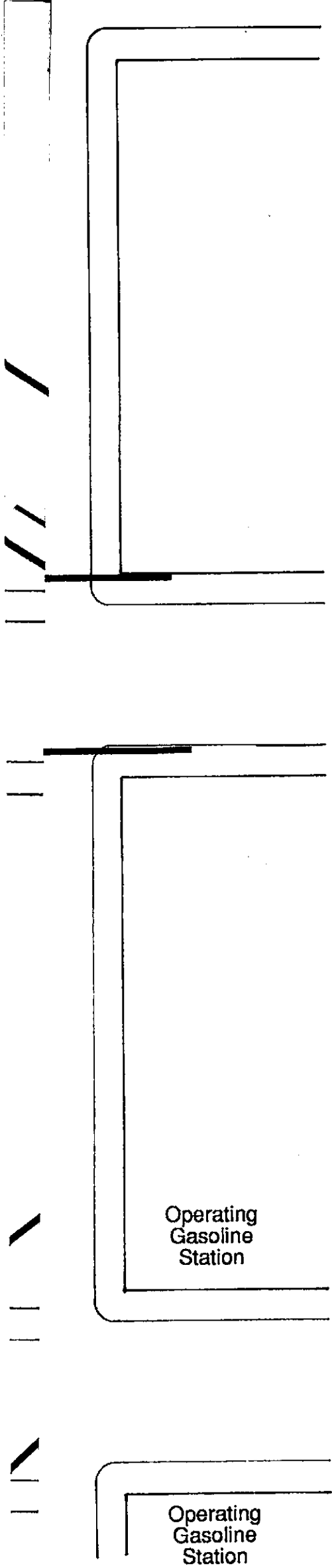
Operating
Gasoline
Station



Harding Lawson As
Engineering and
Environmental Services

DRAWN
NJB

JOB NUMBER
09382,040.02



EXPLANATION

MW-2
(12.61)



Monitoring Well Location and Number
(Water-level elevations in feet AMSL
measured September 19, 1991)



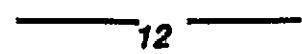
BART Subsurface Easement Boundary



PRP Site Boundary



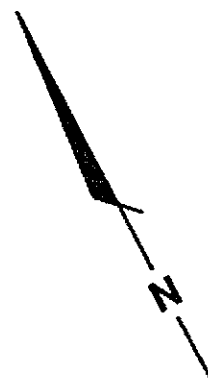
EBMUD Site Boundary



Water-Level Elevation Contour (feet AMSL)
(Contour interval = 1 foot)

NM

Not Measured



SCALE IN FEET

Operating
Gasoline
Station

Operating
Gasoline
Station

PLATE



Harding Lawson Associates

Engineering and
Environmental Services

**Plan of Sites and Vicinity and
Water-Level Contour Map - September 1991**
Chinatown Redevelopment Project Area
Oakland, California

1

DRAWN
NJB

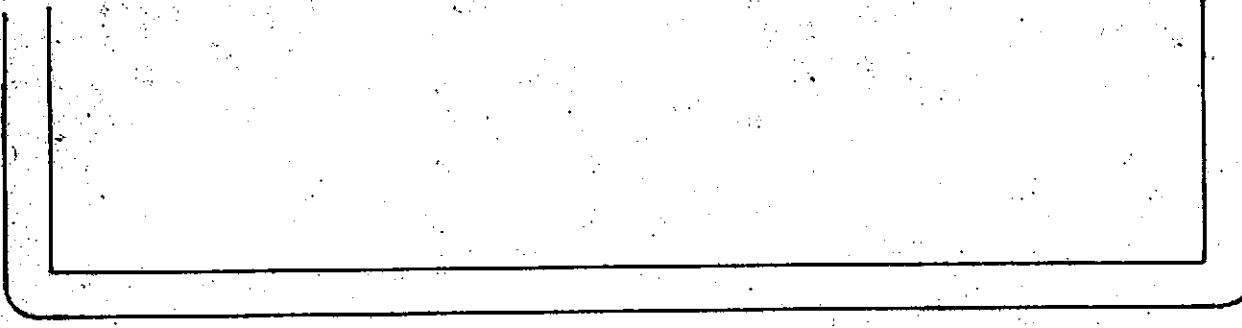
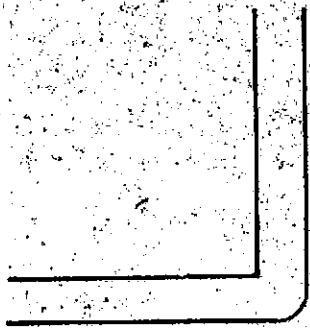
JOB NUMBER
09382,040.02

APPROVED
MTE

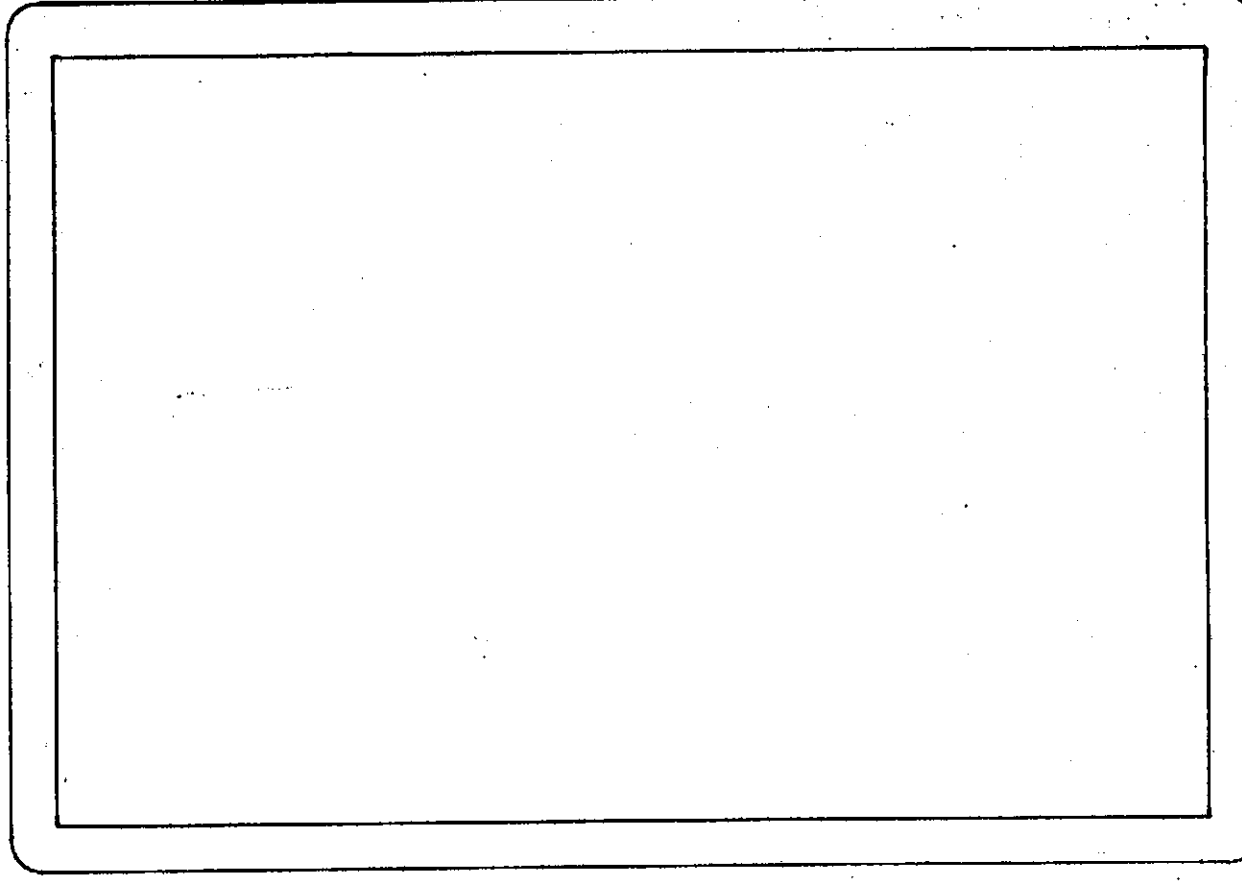
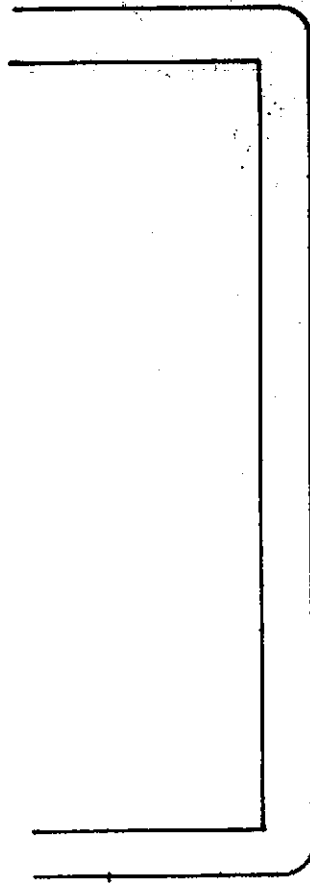
DATE
7/91

REVISED DATE
9/91

20126



12 TH ST

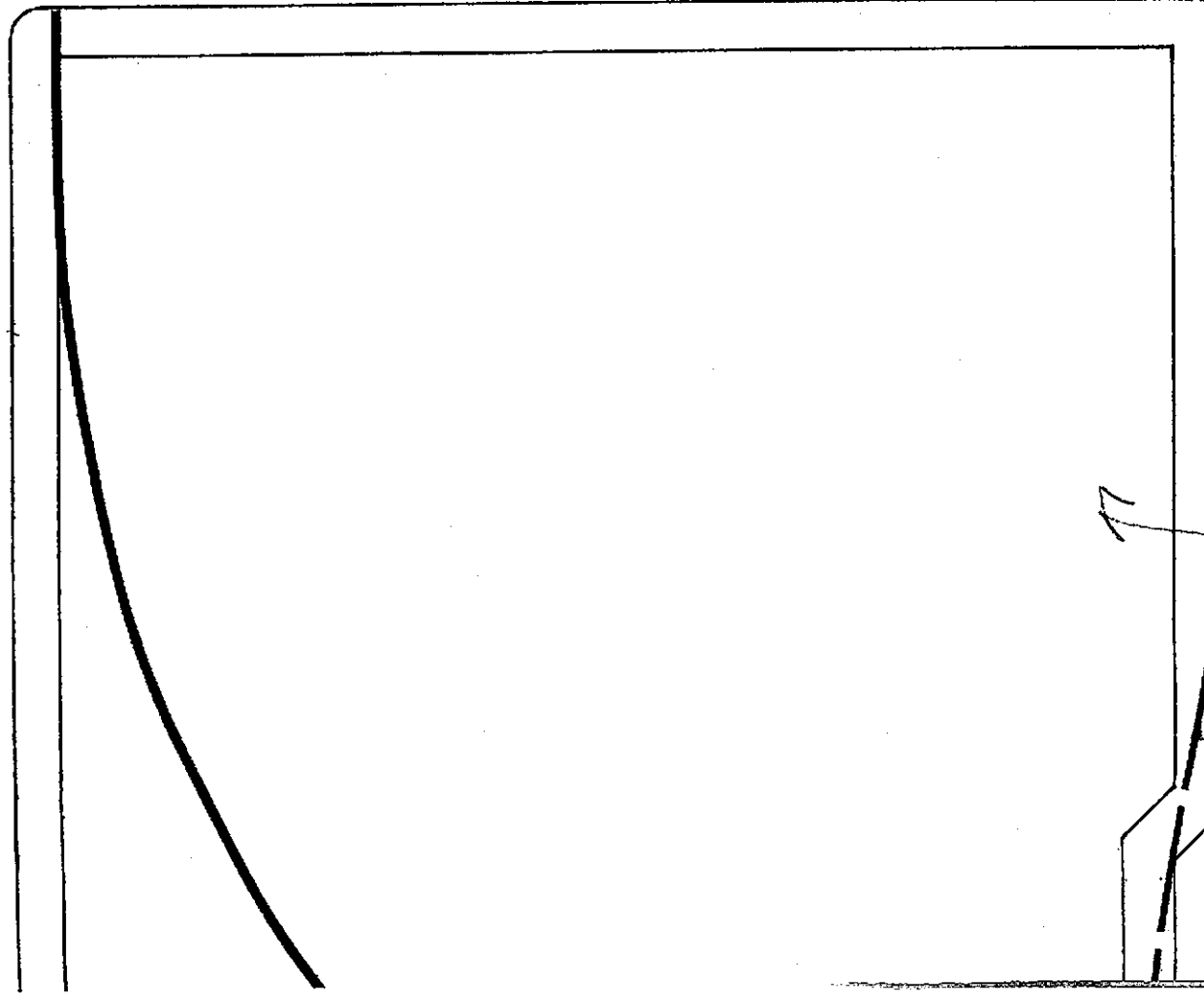


BROADWAY

11TH ST



10TH ST



FRANKLIN STREET

WEBSTER STREET

MW-8
(14.83)

MW-2
(15.50)

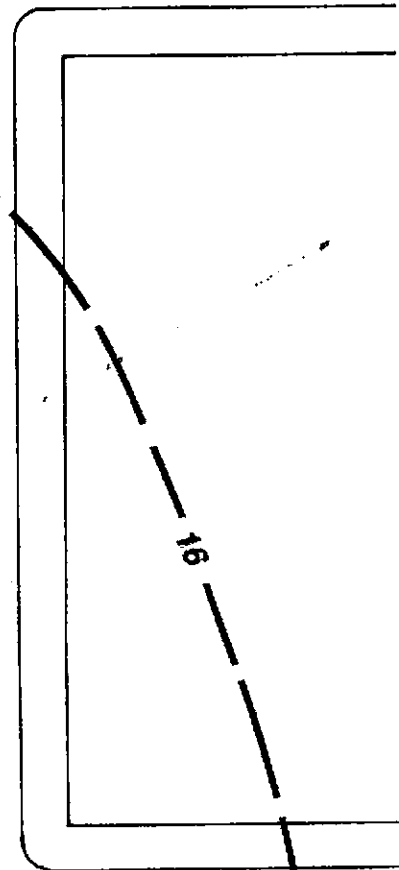
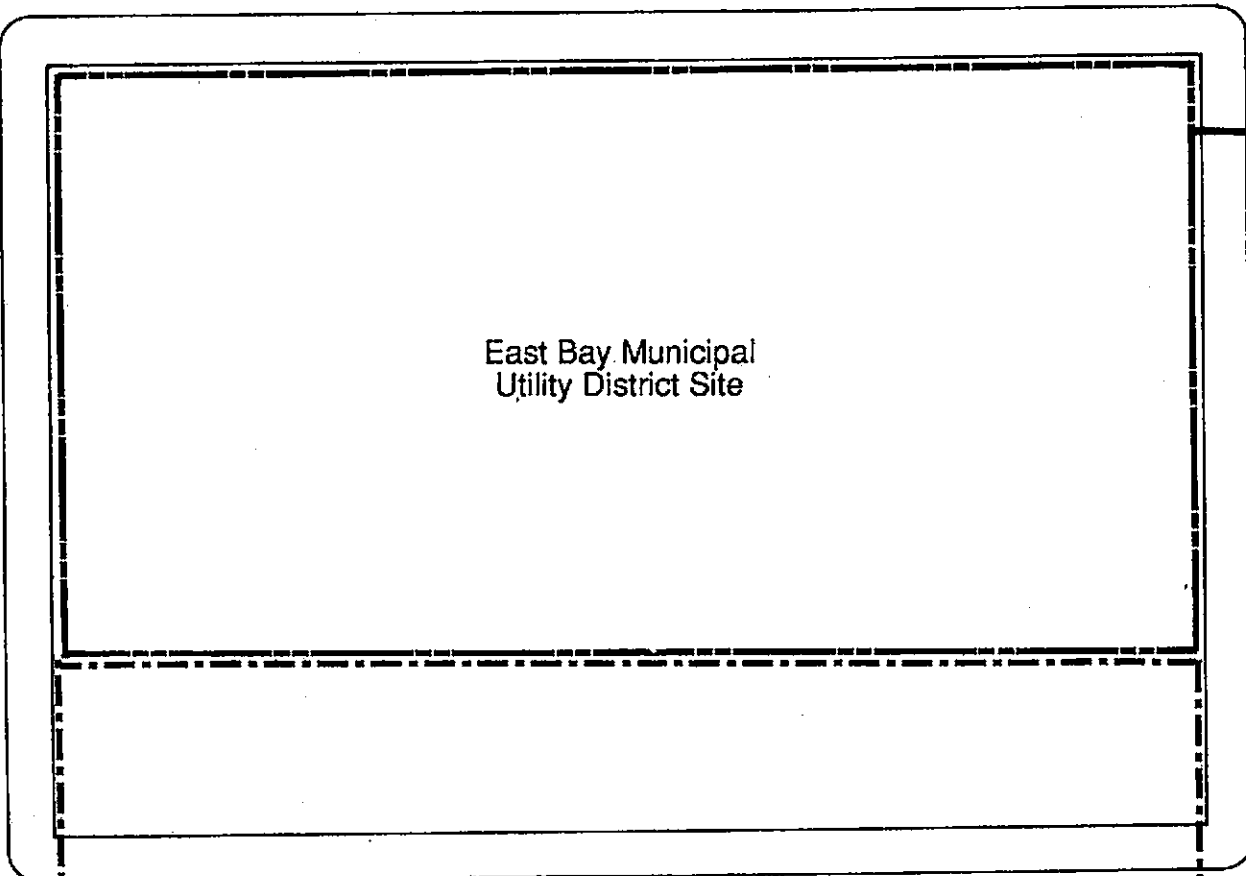
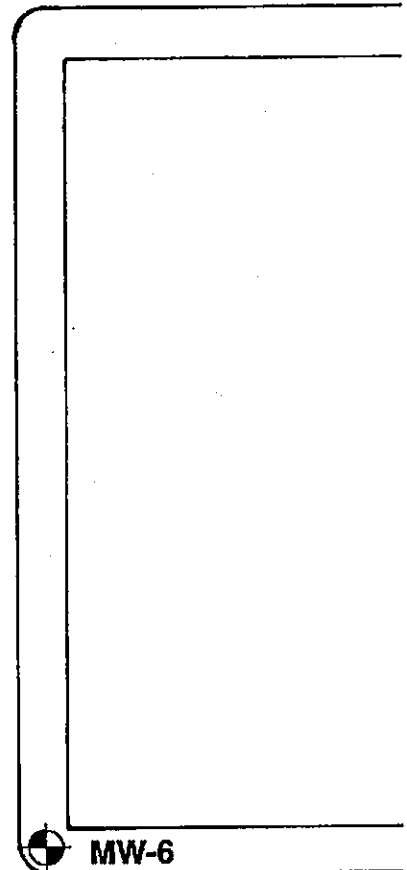
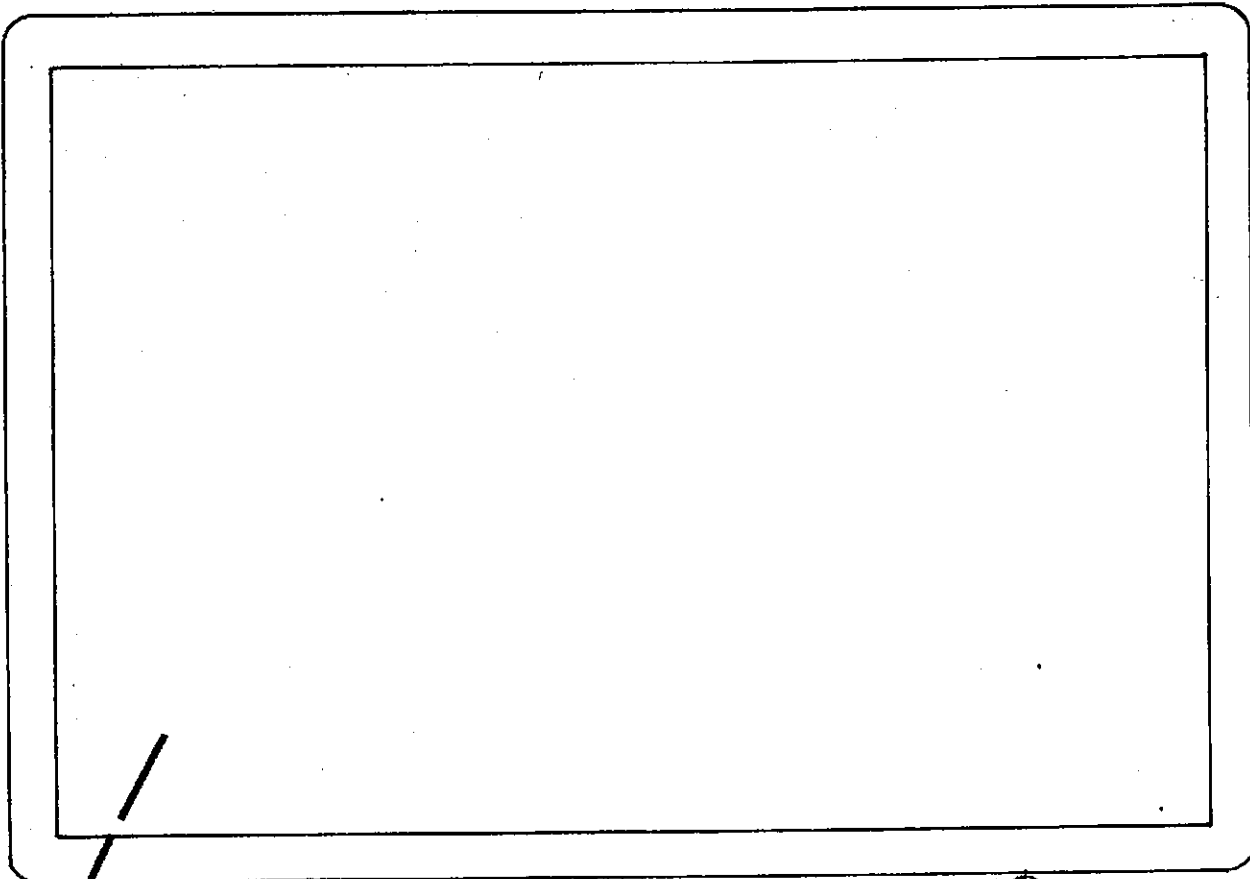
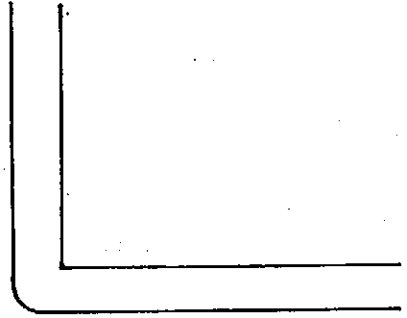
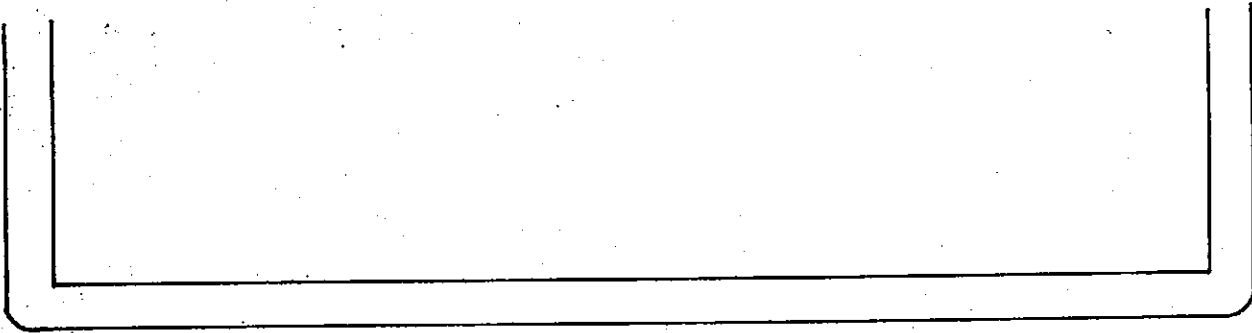
MW-6
(15.67)

East Bay Municipal
Utility District Site

MW-3
(16.41)

15

16



Former
Gasoline
Station

12 TH ST

WEBSTER STREET

Operating Automobile
Dealership and
Repair Shop

HARRISON STREET

MW-6
(15.67)

11TH ST

MW-3
(16.41)

16

10TH ST

BROADWAY

Former Gasoline Station

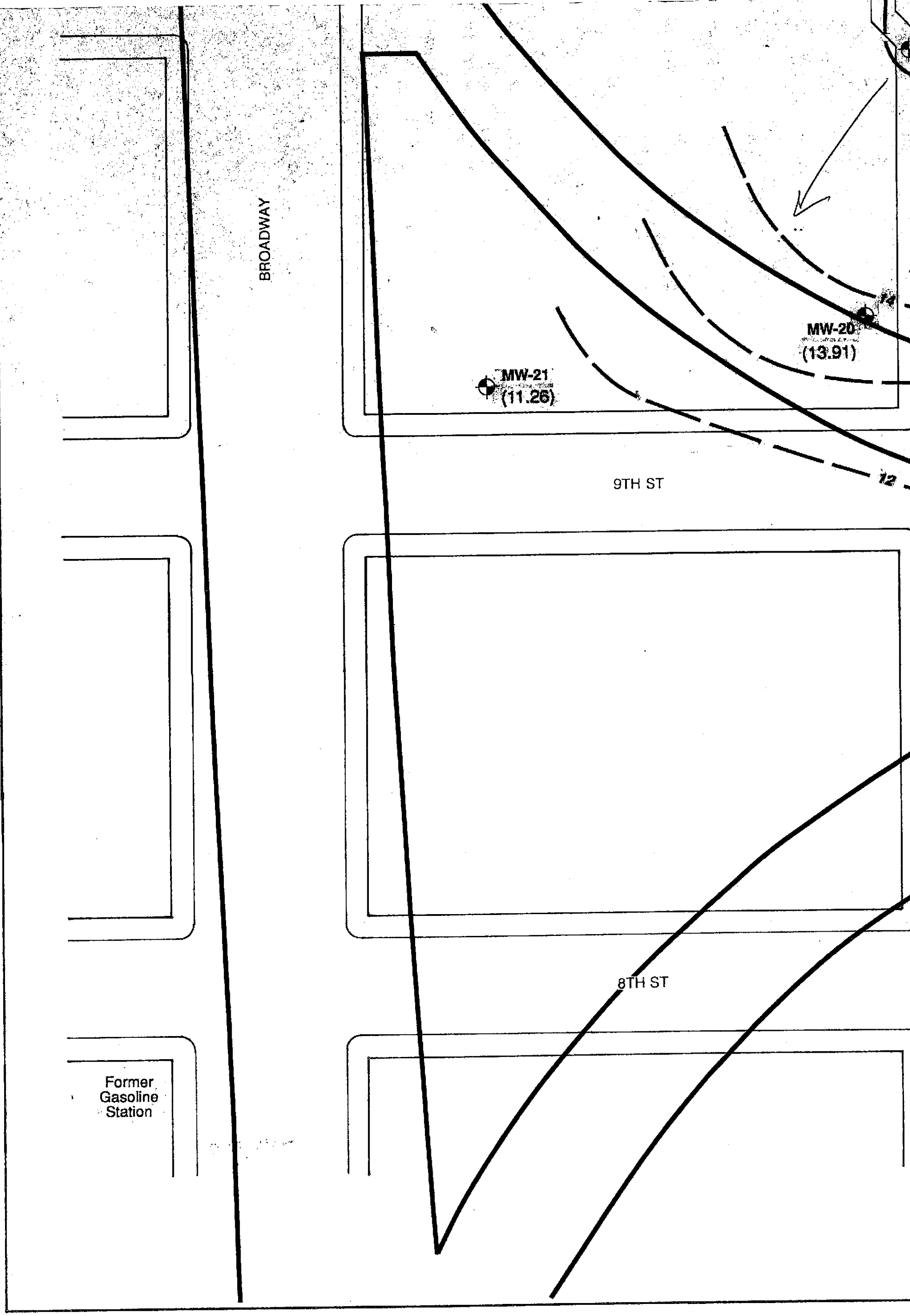
MW-21
(11.26)

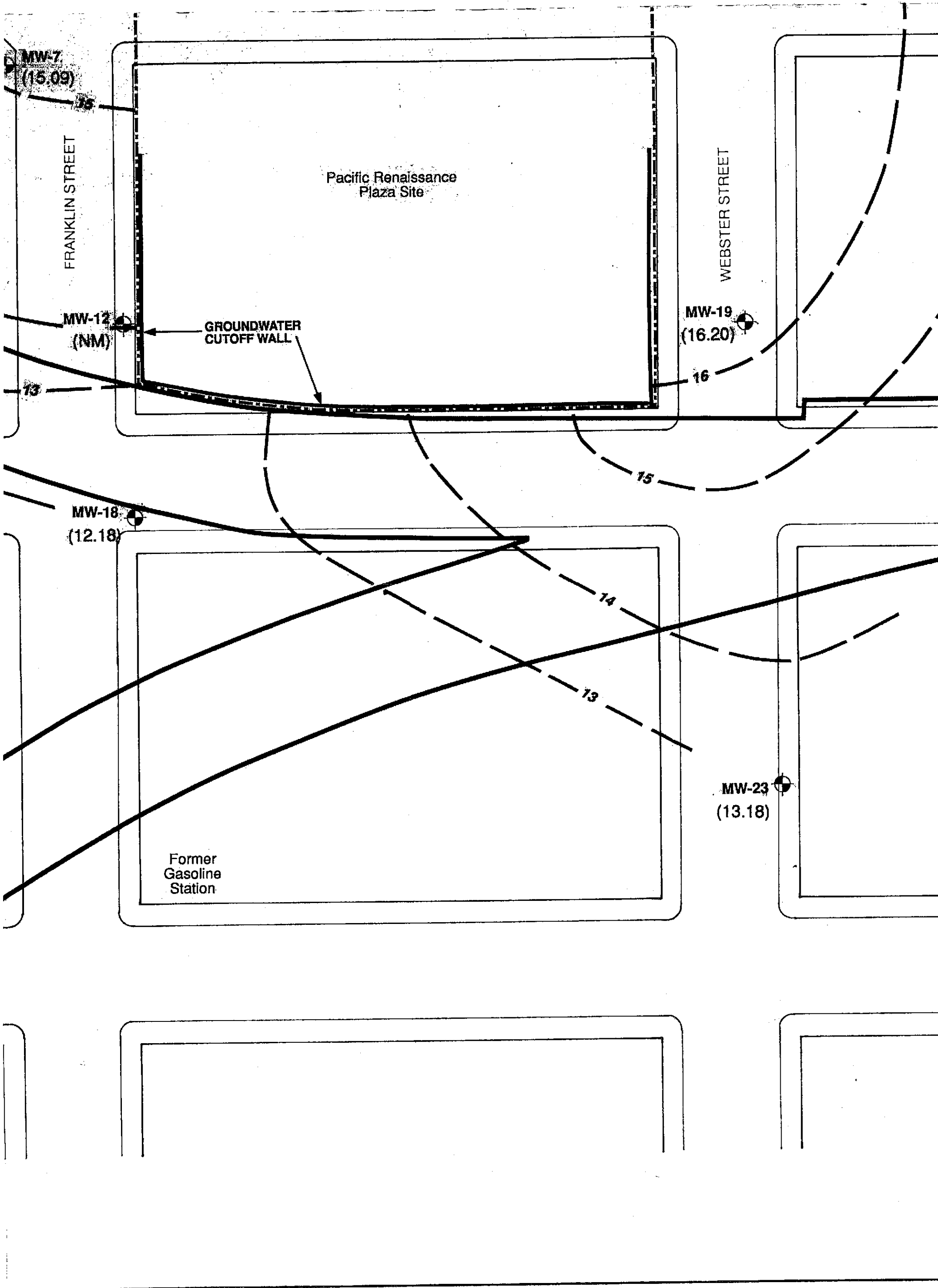
MW-20
(13.91)

9TH ST

8TH ST

12





MW-7
(15.09)

FRANKLIN STREET

Pacific Renaissance
Plaza Site

WEBSTER STREET

MW-12
(NM)

GROUNDWATER
CUTOFF WALL

MW-19
(16.20)

MW-18
(12.18)

Former
Gasoline
Station

MW-23
(13.18)

13

15

14

13

16

MW-22
(15.72)

HARRISON STREET

9TH ST

Operating
Gasoline
Station

8TH ST

Operating
Gasoline
Station



Harding Lawson Associat
Engineering and
Environmental Services

DRAWN
NJB

JOB NUMBER
09382,040.02

EXPLANATION

MW-2
(15.50)



Monitoring Well Location and Number
(water-level elevations in feet AMSL
measured March 27, 1992)



BART Subsurface Easement Boundary



PRP Site Boundary



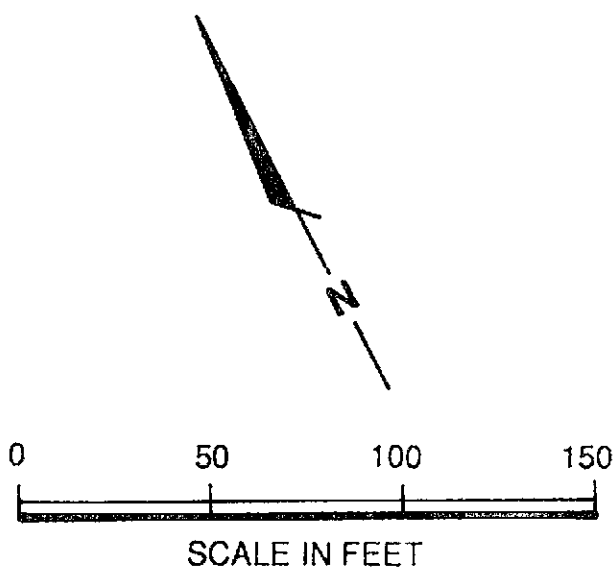
EBMUD Site Boundary



Water-Level Elevation Contour (feet AMSL)

NM

Not Measured



Operating
Gasoline
Station

Operating
Gasoline
Station

PLATE



Harding Lawson Associates
Engineering and
Environmental Services

**Plan of Sites and Vicinity and
Water-Level Contour Map-March 1992**
Chinatown Redevelopment Project Area
Oakland, California

1

IN

JOB NUMBER

09382,040.02

APPROVED

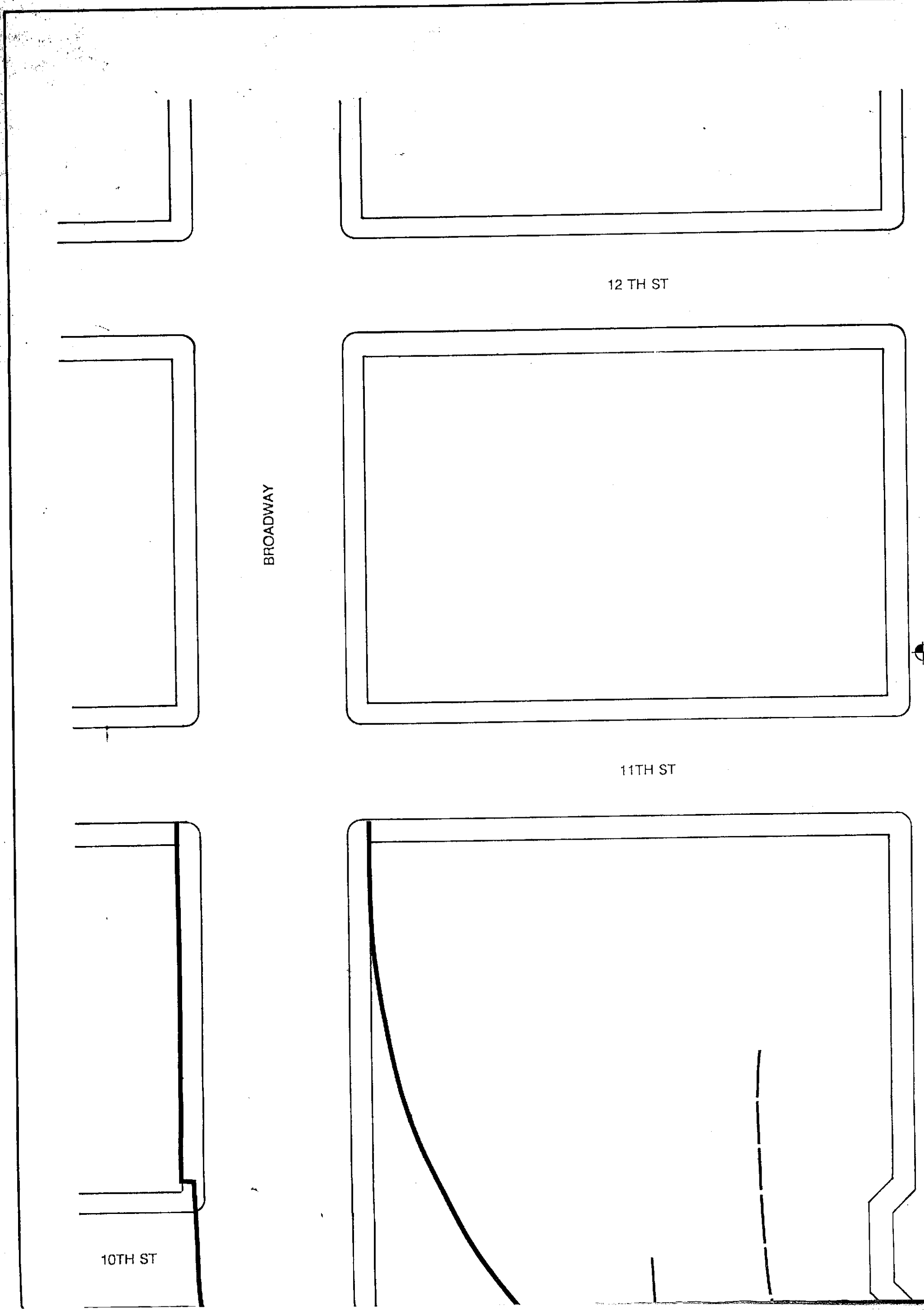
DATE

7/91

REVISED DATE

4/92

26-74 20126



BROADWAY

12 TH ST

11TH ST

10TH ST



FRANKLIN STREET

WEBSTER STREET

MW-8
(14.63)

MW-2
(15.35)

MW-6
(15.52)

15

East Bay Municipal
Utility District Site

MW-3
(15.98)

12 TH ST

Former
Gasoline
Station

Operating Automobile
Dealership and
Repair Shop

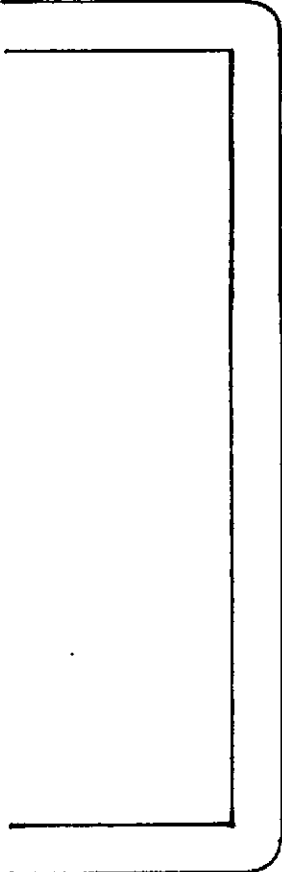
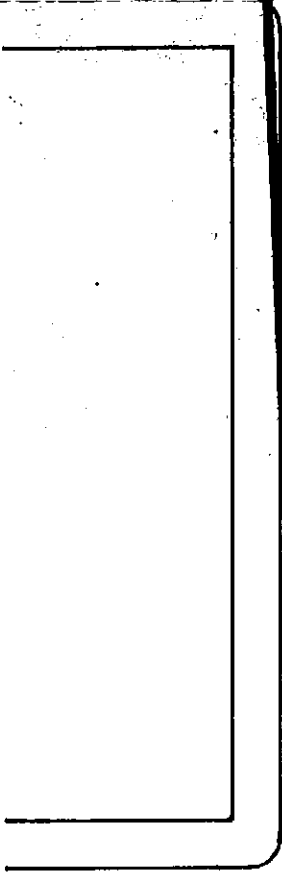
HARRISON STREET

11TH ST

10TH ST

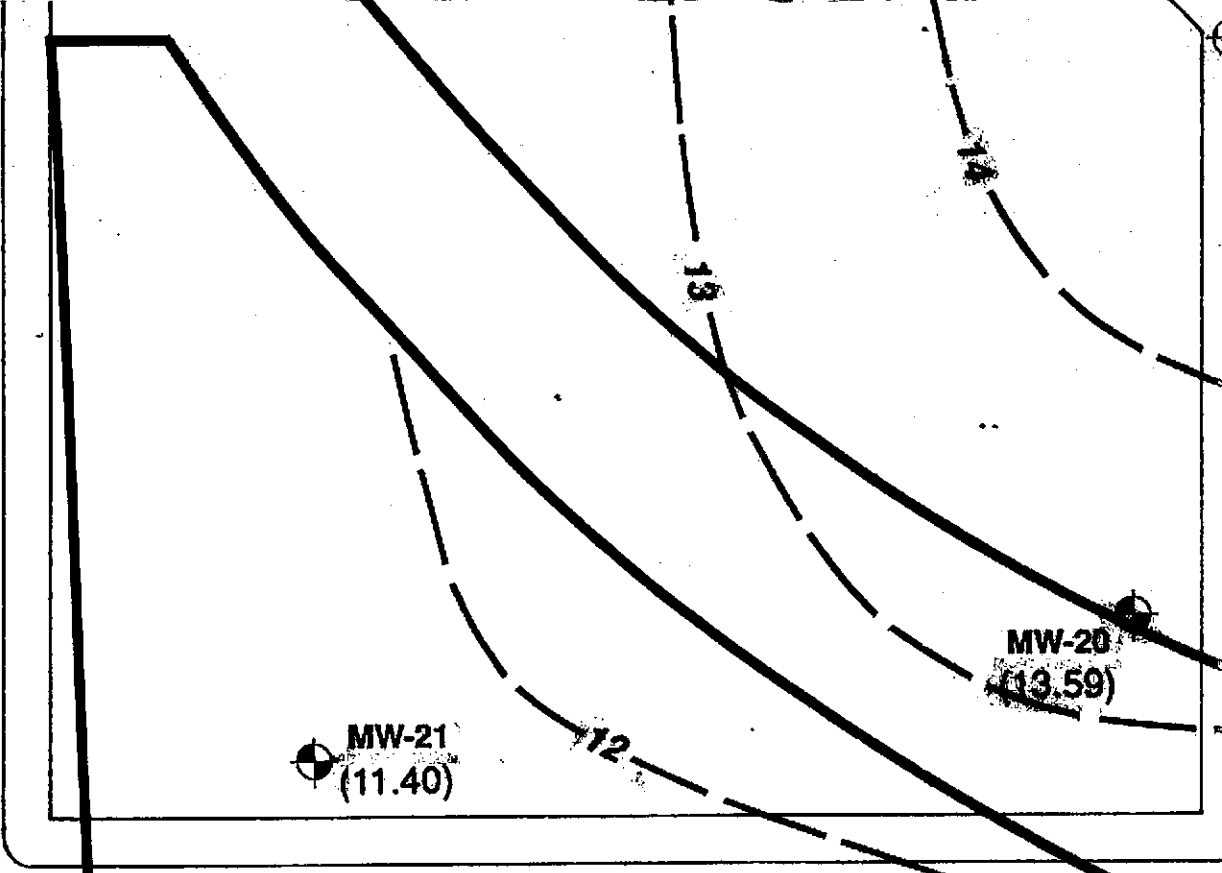
MW-22
(15.75)

MW-22

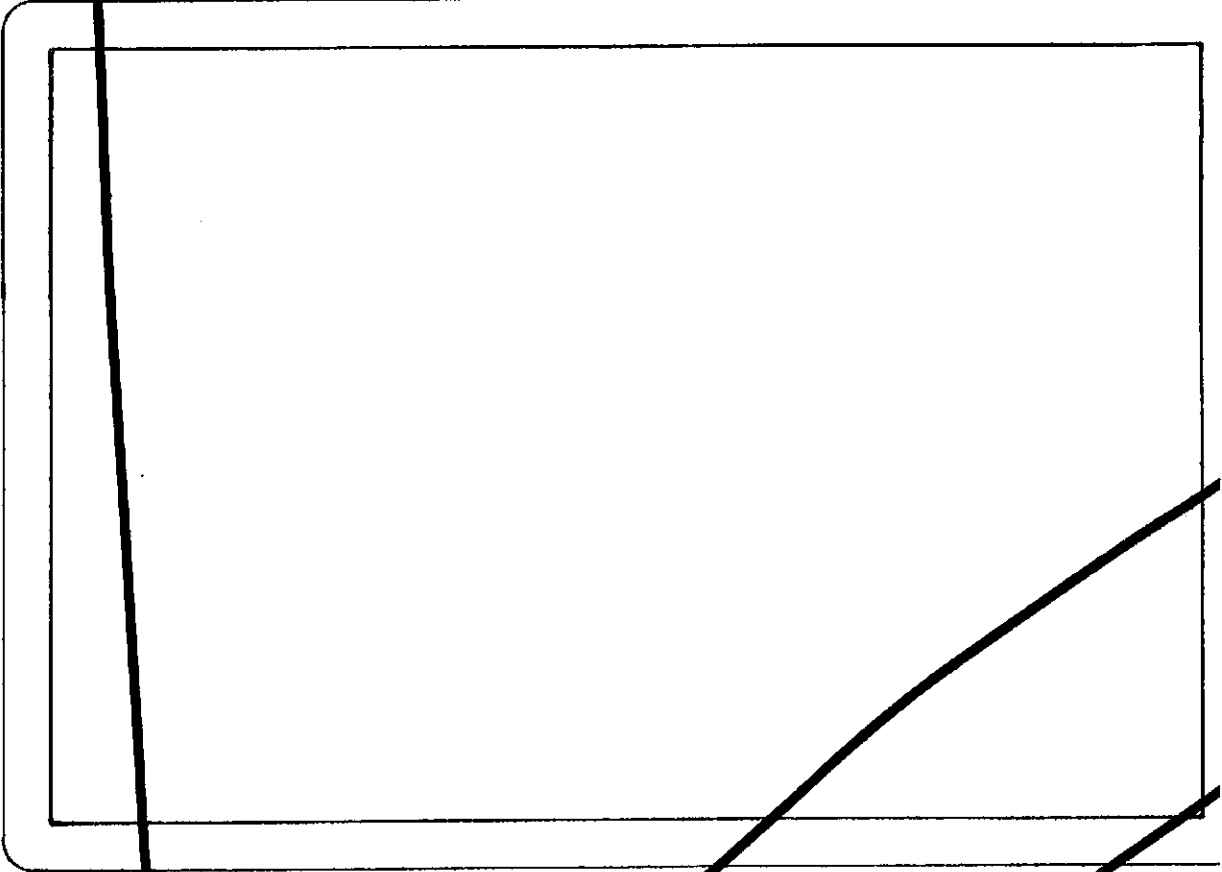


Former Gasoline Station

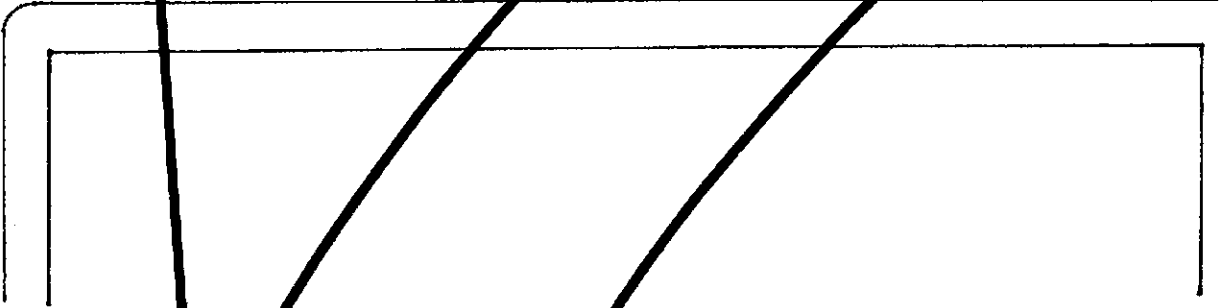
BROADWAY



9TH ST



8TH ST



MW-7
(14.73)

FRANKLIN STREET

Pacific Renaissance
Plaza Site

WEBSTER STREET

MW-12
(NM)

GROUNDWATER
CUTOFF WALL

MW-19
(15.68)

MW-18
(11.91)

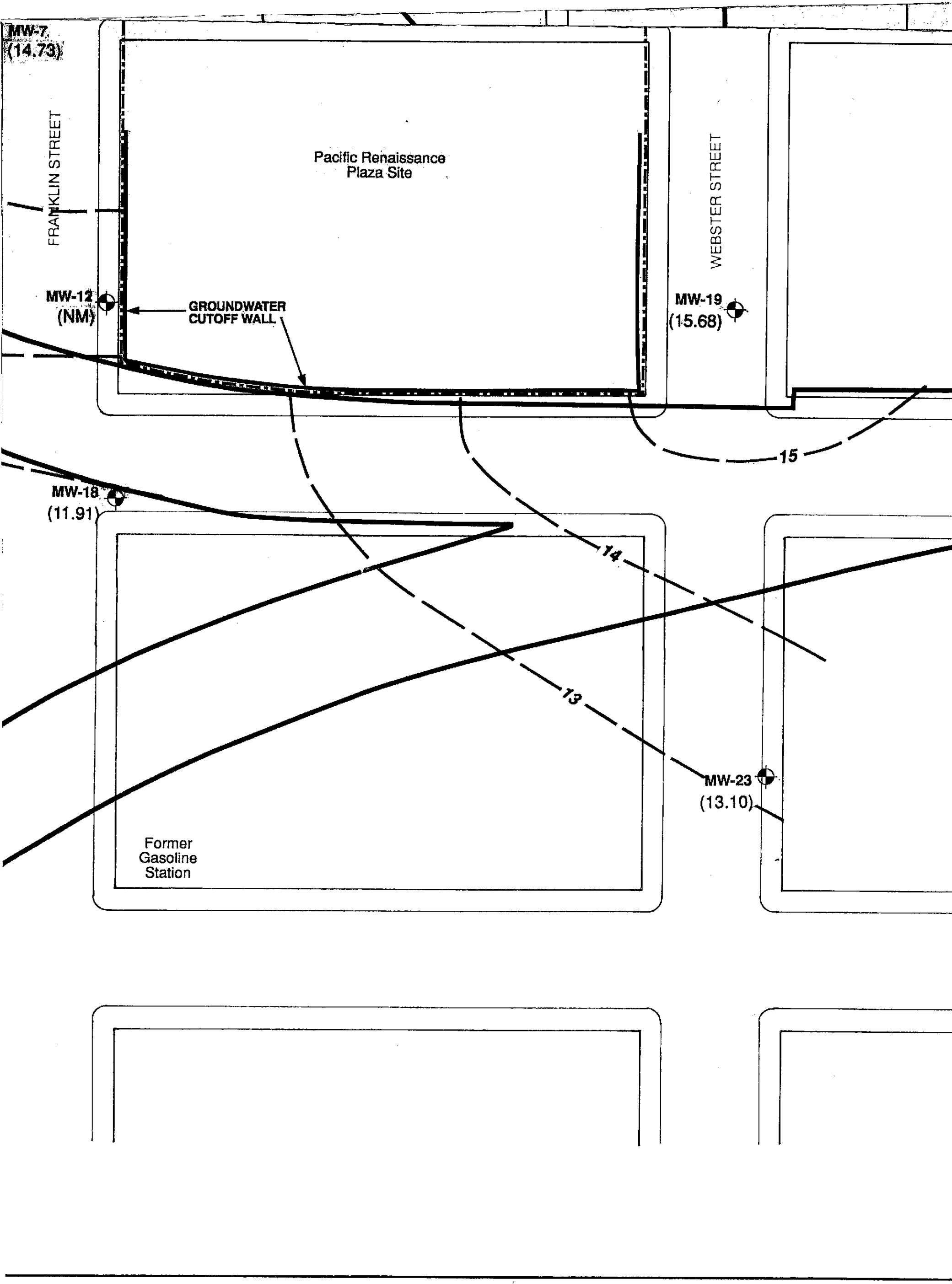
Former
Gasoline
Station

MW-23
(13.10)

14

13

15



HARRISON STREET

9TH ST

8TH ST

Operating Gasoline Station

Operating Gasoline Station

EXPLANATION


MW-2
(13.59)



Monitoring Well Location and Number
(Water-level elevations in feet AMSL)
Measured June 25, 1992

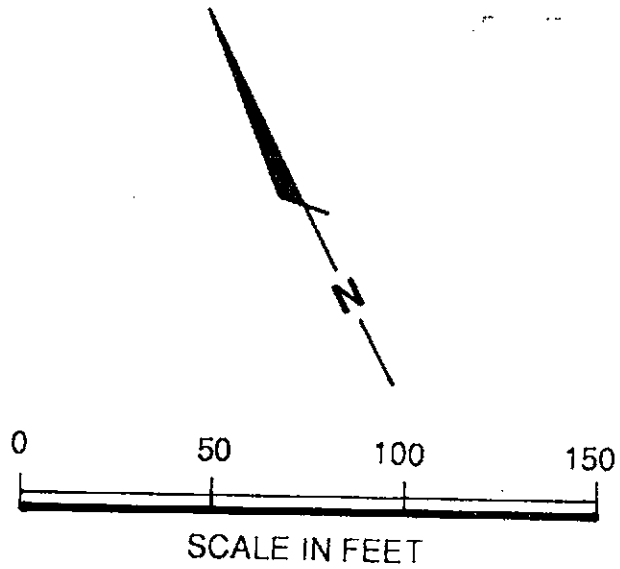
 BART Subsurface Easement Boundary

 PRP Site Boundary

 EBMUD Site Boundary

 Water-Level Elevation Contour (feet AMSL)

NM Not Measured



(89' 8-1

FRANKLIN STREET



Harding Lawson Associates

Engineering and
Environmental Services

Plan of Project Area and
Water-Level Contour Map - June 1992
Chinatown Redevelopment Project Area
Oakland, California

PLATE

1

DRAWN
NJB

JOB NUMBER
10874 040

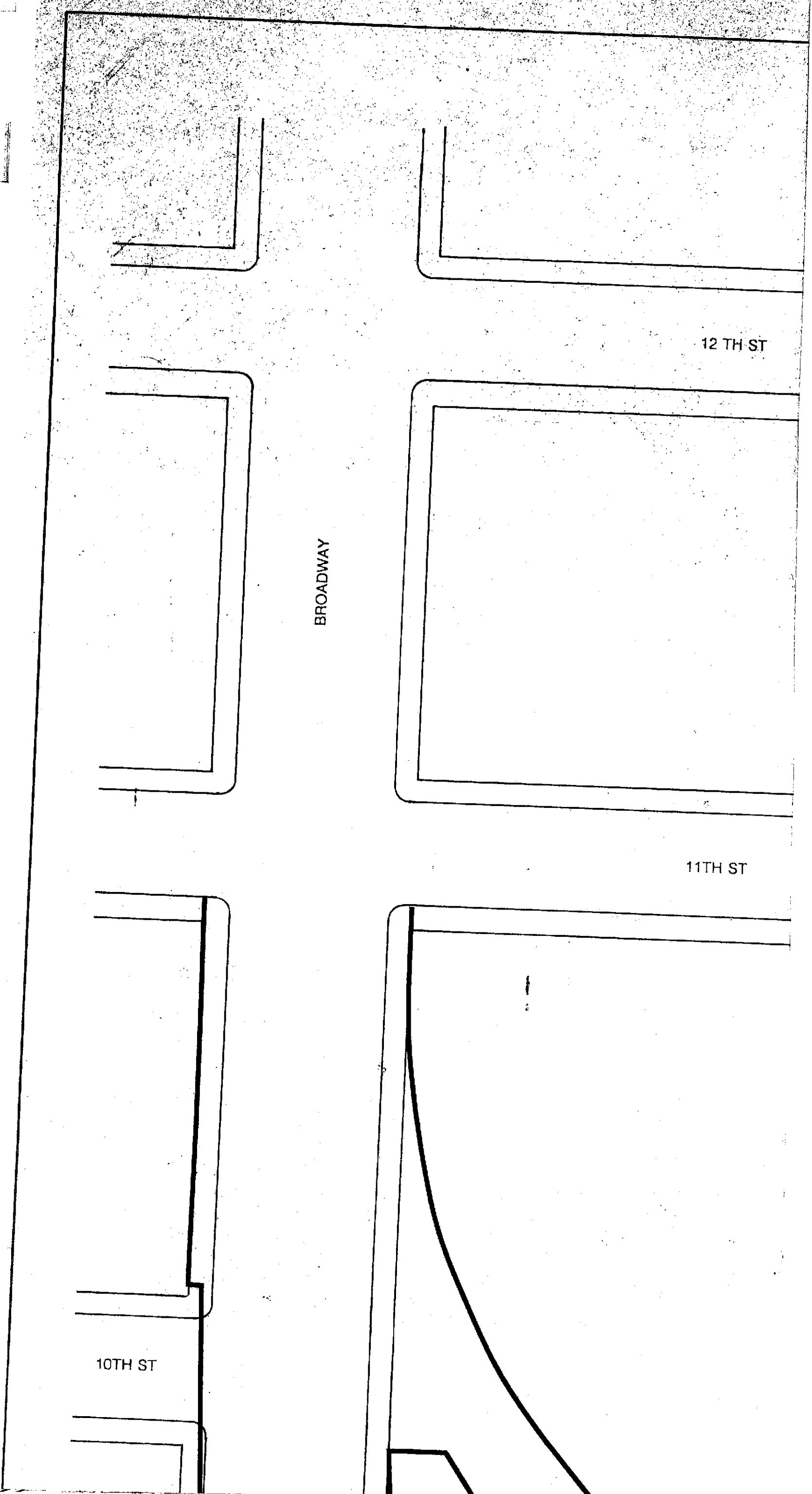
APPROVED

MTE

DATE
7/91

REVISED DATE
7/92

20126



BROADWAY

12 TH ST

11TH ST

10TH ST

FRANKLIN STREET

MW-8
(13.00)

MW-2
(13.61)

East Bay Municipal
Utility District Site

ORIGINAL EXTENT OF HYDROCARBONS IN SOIL
(FULLY EXCAVATED)

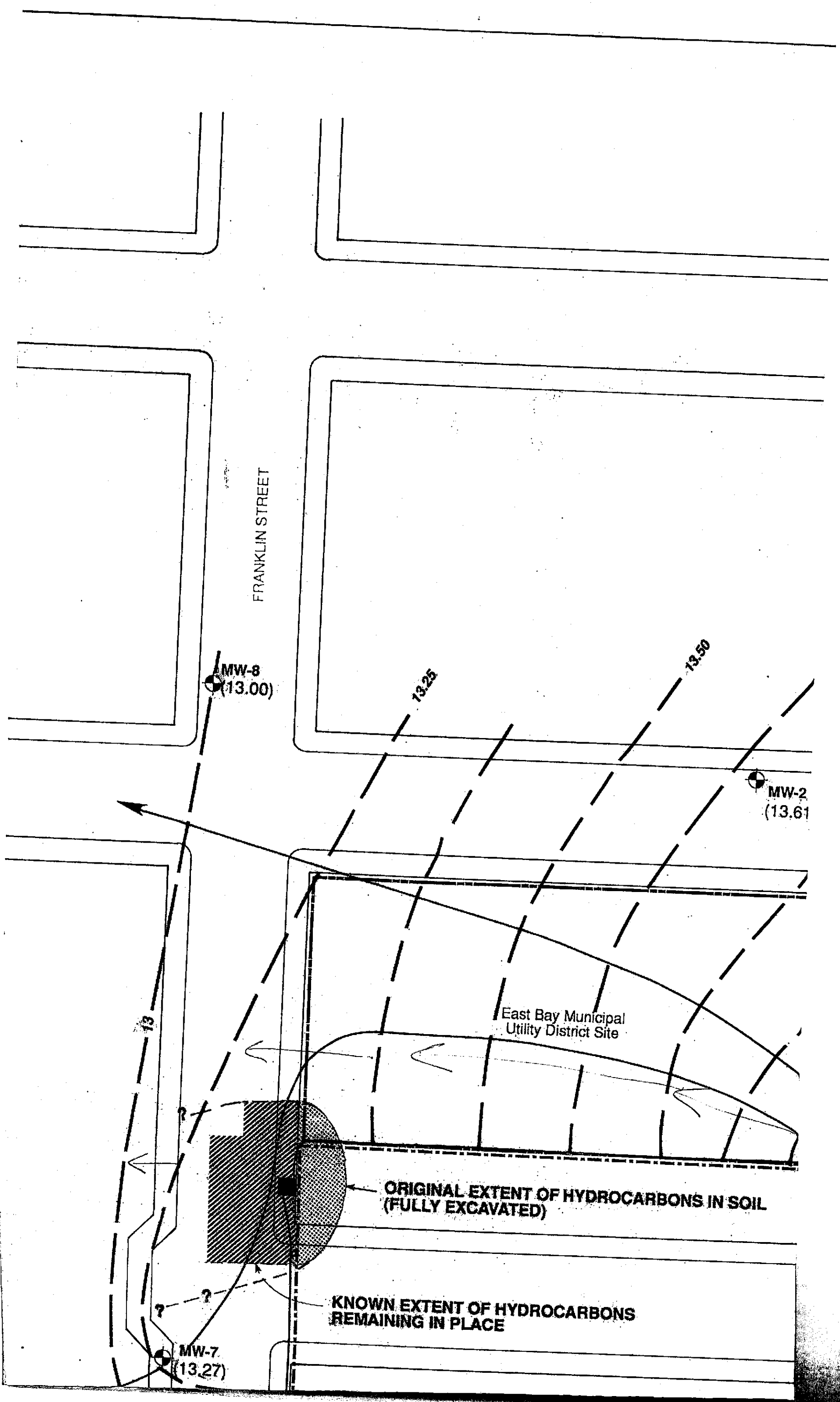
KNOWN EXTENT OF HYDROCARBONS
REMAINING IN PLACE

MW-7
(13.27)

13.25

13.50

13



Former Gasoline Station

12 TH ST

Operating Automobile Dealership and Repair Shop

WEBSTER STREET

HARRISON STREET

13.75

MW-6
(13.85)

11TH ST

14

MW-3
(14.12)

10TH ST

MW-22
(14.23)

BROADWAY

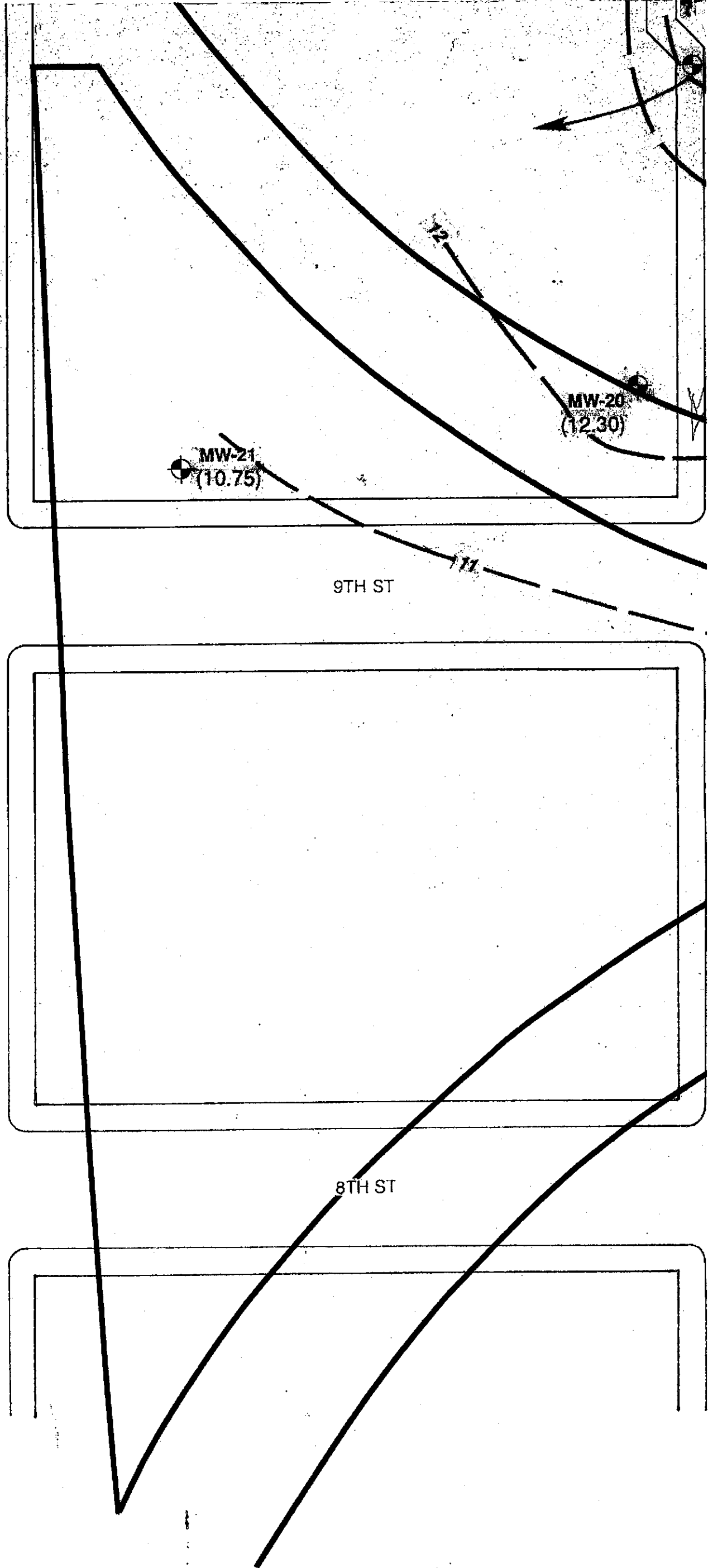
MW-21
(10.75)

MW-20
(12.30)

9TH ST

8TH ST

Former
Gasoline
Station



REMAINING IN PLACE

MW-7
(13.27)

FRANKLIN STREET

Pacific Renaissance
Plaza Site

WEBSTER STREET

MW-12
(NM)

GROUNDWATER
CUTOFF WALL

MW-19
(14.25)

14

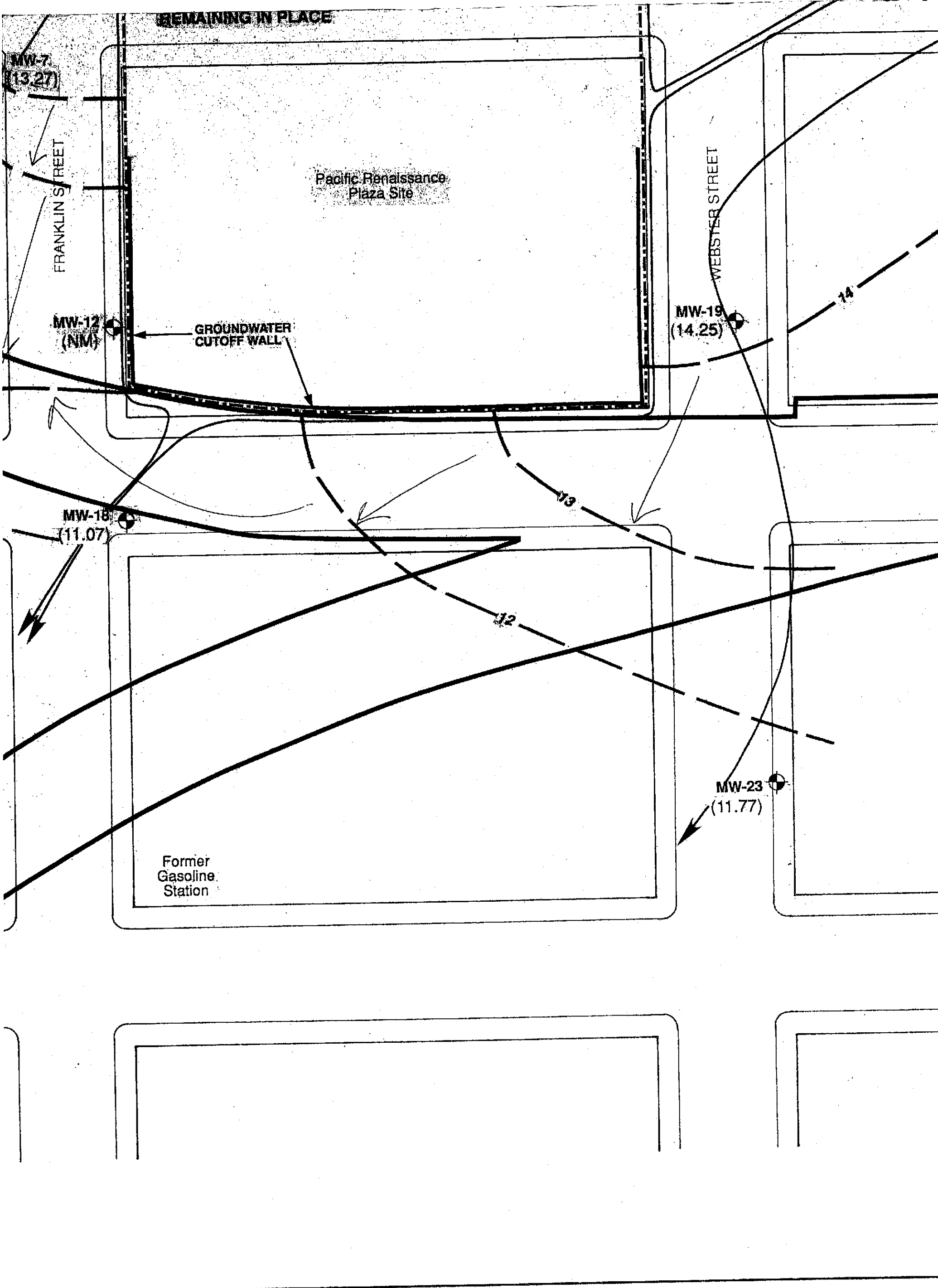
MW-18
(11.07)

19

12

MW-23
(11.77)

Former
Gasoline
Station



MW-22
(14.23)

14

HARRISON STREET

9TH ST

Operating
Gasoline
Station

8TH ST

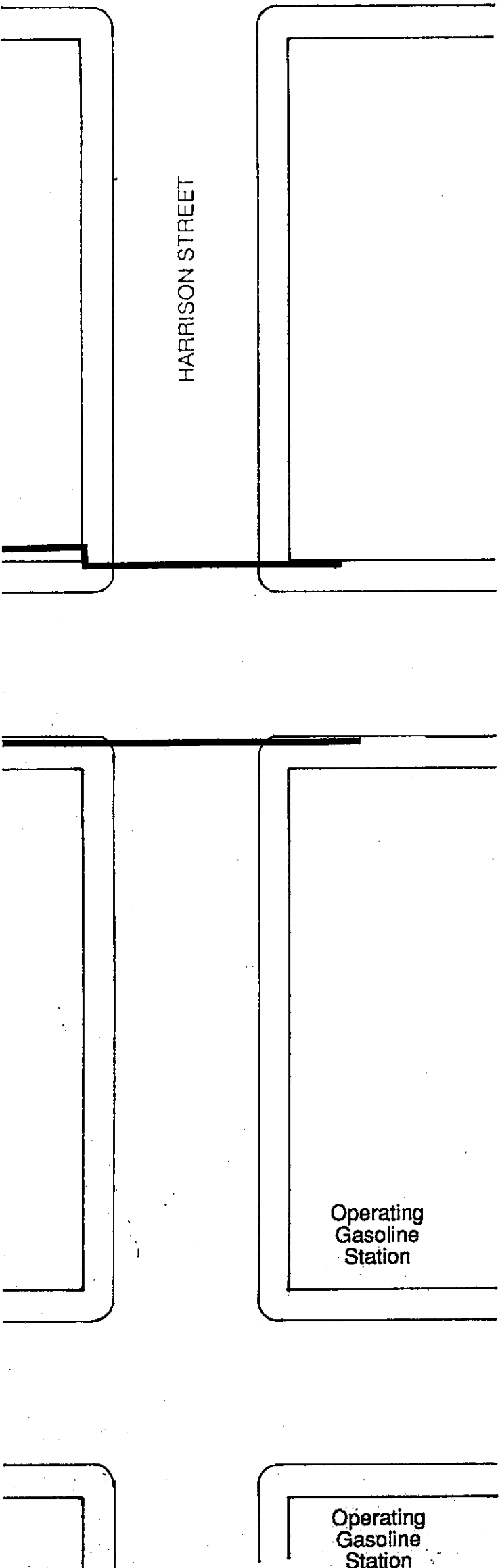
Operating
Gasoline
Station










Harding Lawson Associates
Engineering and
Environmental Services

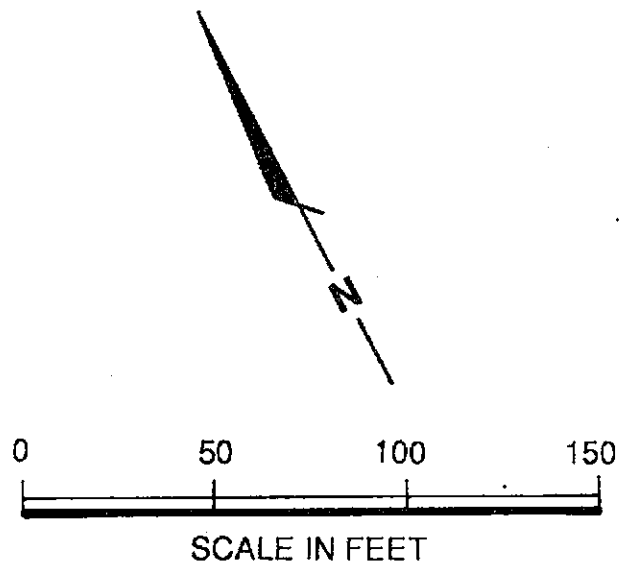
DRAWN
NJB

JOB NUMBER
92006,458.02



EXPLANATION

- MW-2 (13.61)  Monitoring Well Location and Number (water-level elevations in feet AMSL measured December 20, 1991)
-  BART Subsurface Easement Boundary
-  PRP Site Boundary
-  EBMUD Site Boundary
-  Water-Level Elevation Contour (feet AMSL)
- NM Not Measured
-  Tank Locations (Approximate)
-  Groundwater Flow Line



Harding Lawson Associates

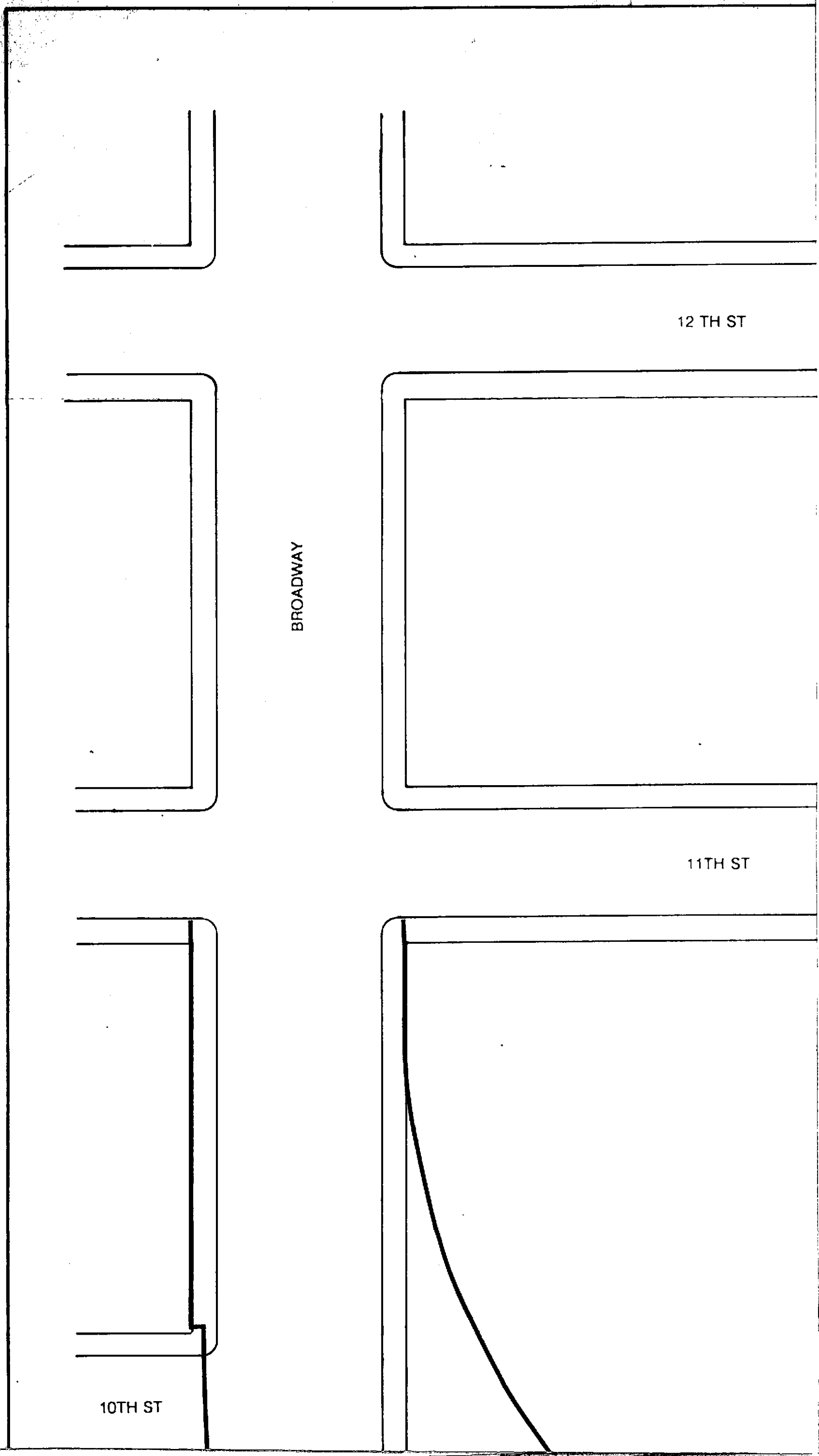
Engineering and Environmental Services

Plan of Sites and Vicinity and Groundwater Flow Net - December 1991
 Chinatown Redevelopment Project Area
 Oakland, California

PLATE

1

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
NJB	92006,458.02		7/91	4/92

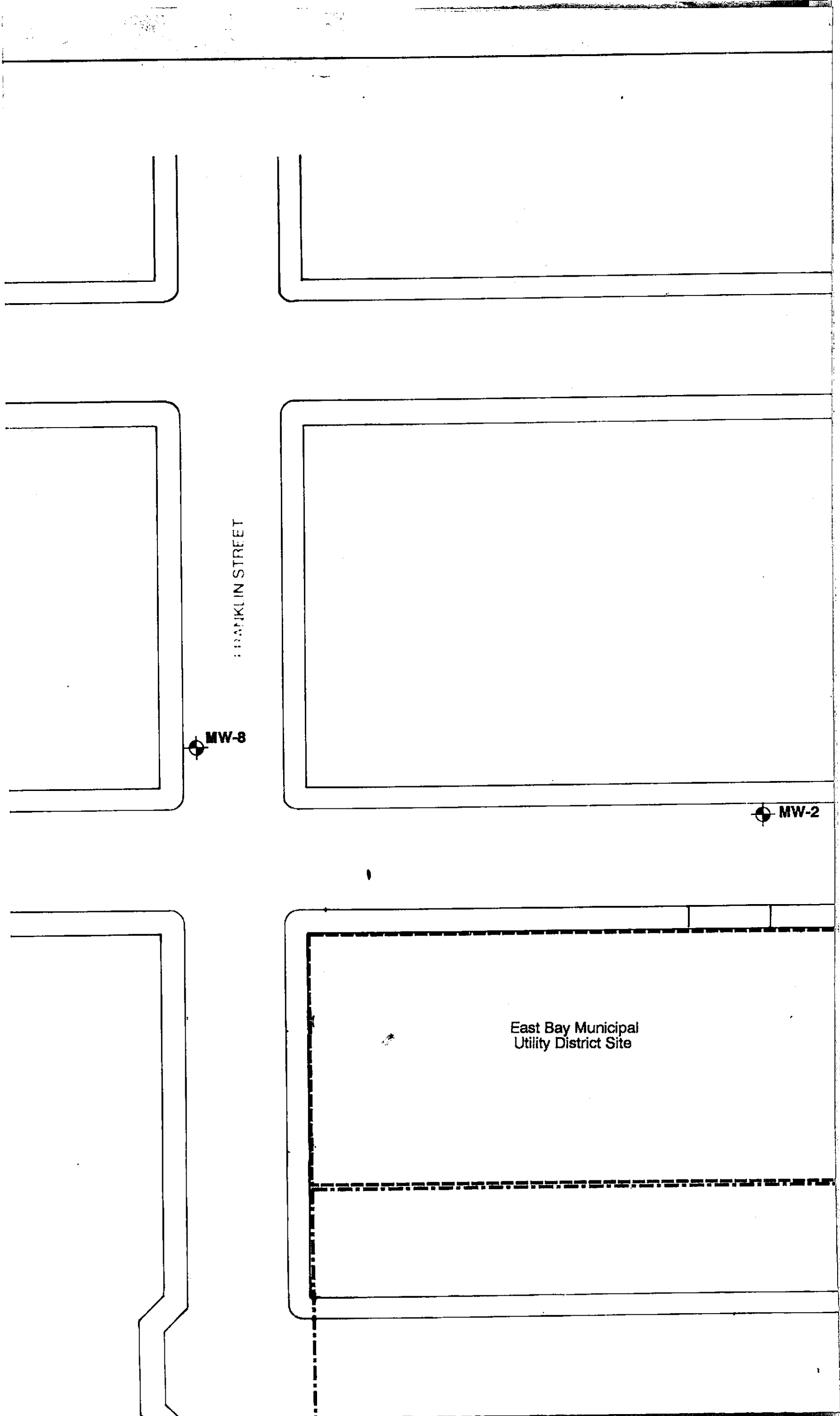


12 TH ST

BROADWAY

11TH ST

10TH ST



FRANKLIN STREET

MW-3

MW-2

East Bay Municipal
Utility District Site

Former
Gasoline
Station

12 TH ST

WEBSTER STREET

OPERATING AUTOMOBILE
DEALERSHIP AND
REPAIR SHOP

HARRISON STREET

MW-6

11TH ST

MW-3

10TH ST

MW-22

BROADWAY

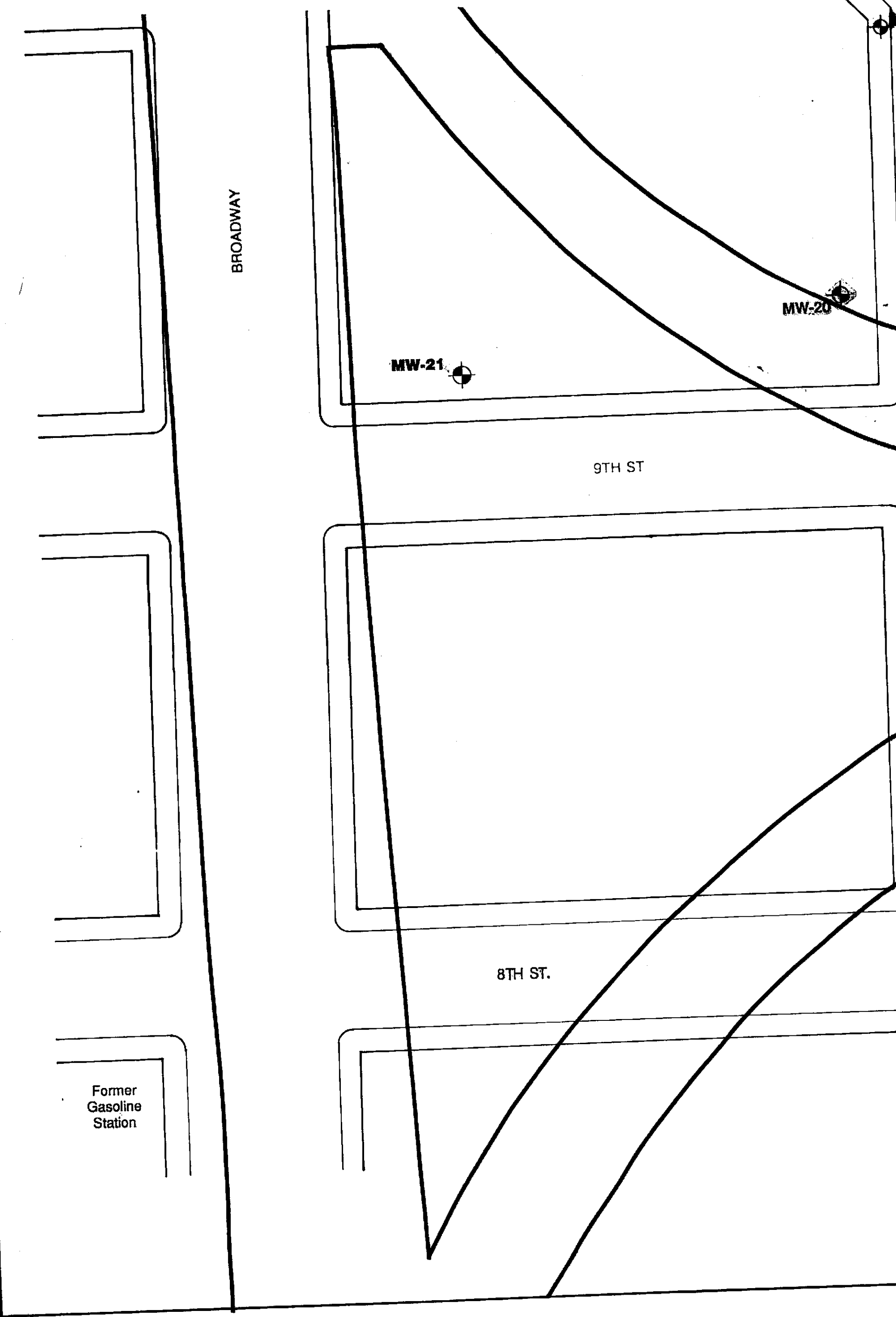
MW-21

MW-20

9TH ST

8TH ST.

Former
Gasoline
Station



MW-7

FRANKLIN STREET

Pacific Renaissance
Plaza Site

WEBSTER STREET

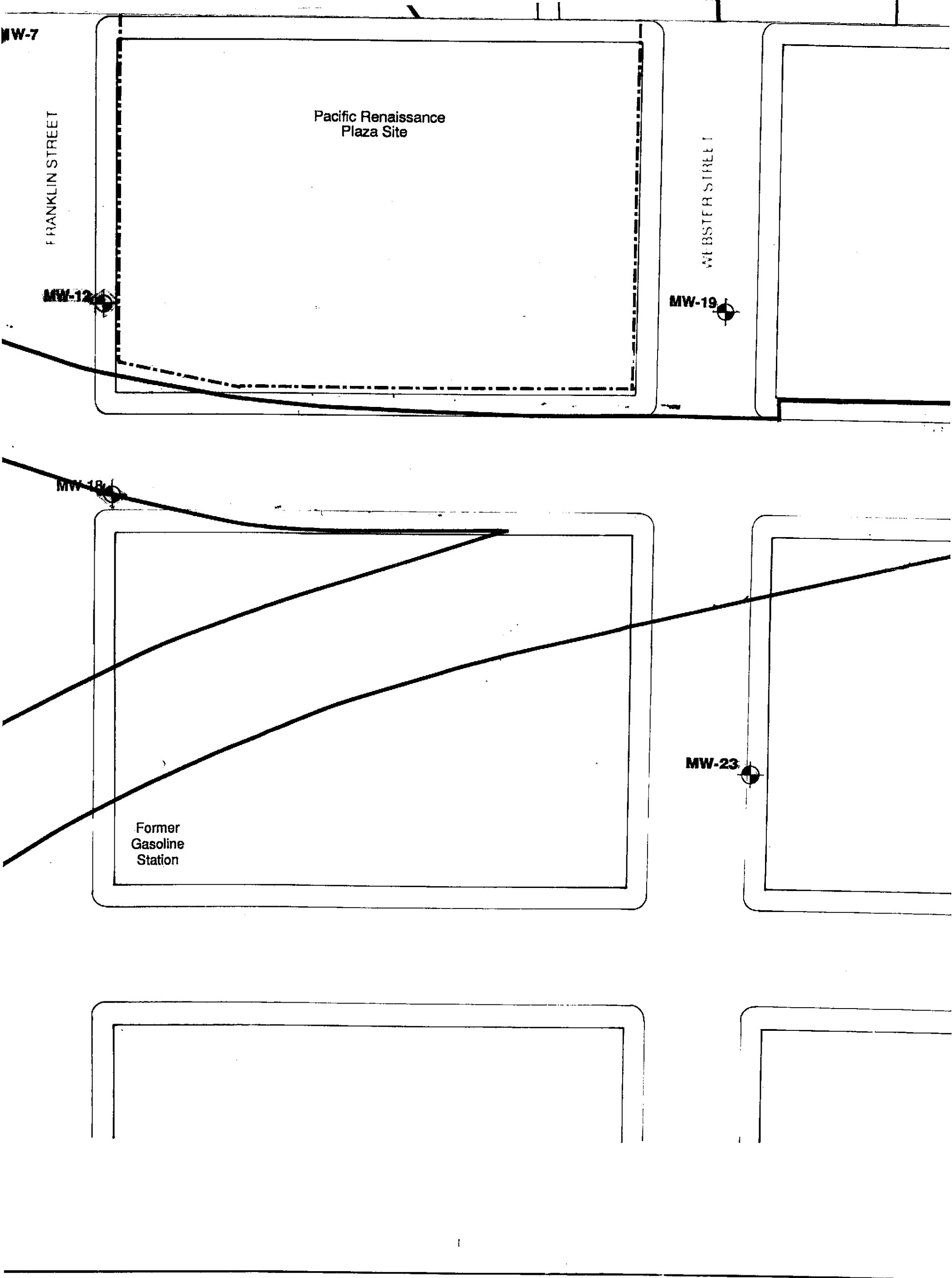
MW-12

MW-19

MW-18

Former
Gasoline
Station

MW-23



HARRISON STREET

9TH ST

8TH ST

Operating
Gasoline
Station

Operating
Gasoline
Station






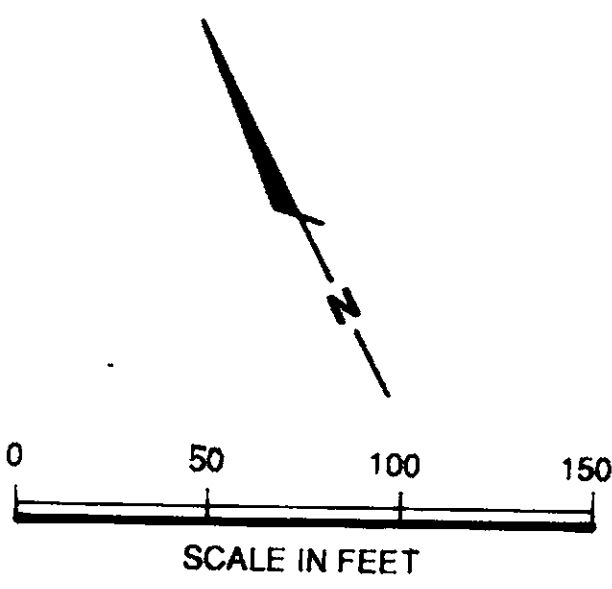
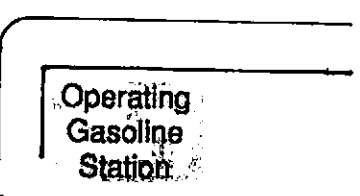
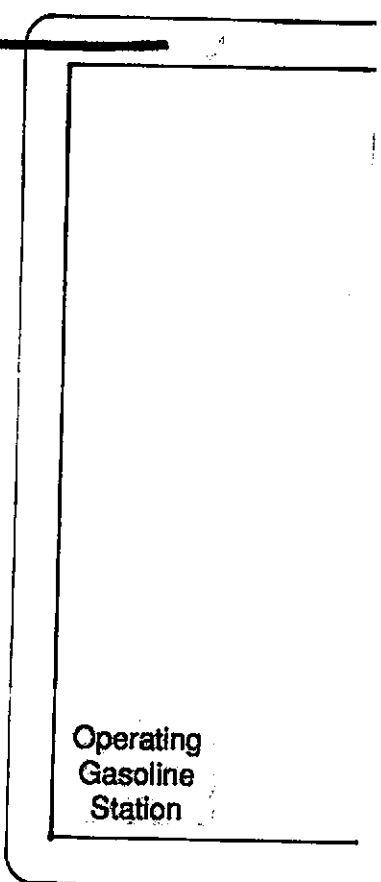
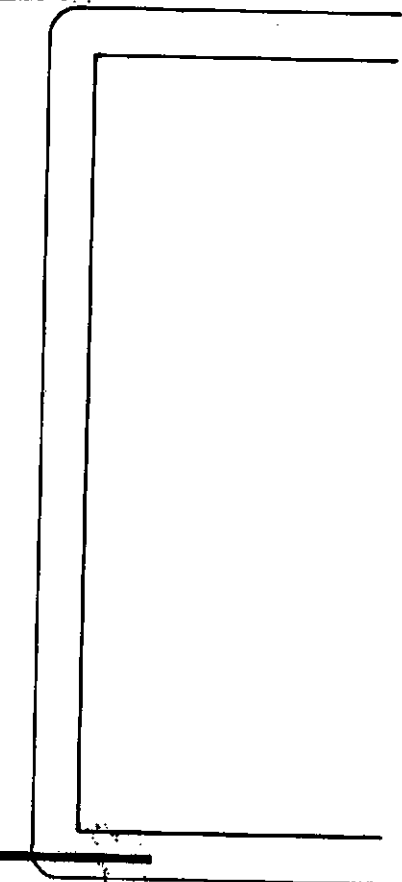
Harding Lawson Associates
Engineering and
Environmental Services

DRAWN
CVD

JOB NUMBER
09382,040.02

HARRISON STREET

-  BART Subsurface Easement Boundary
-  PRP Site Boundary
-  EBMUD Site Boundary



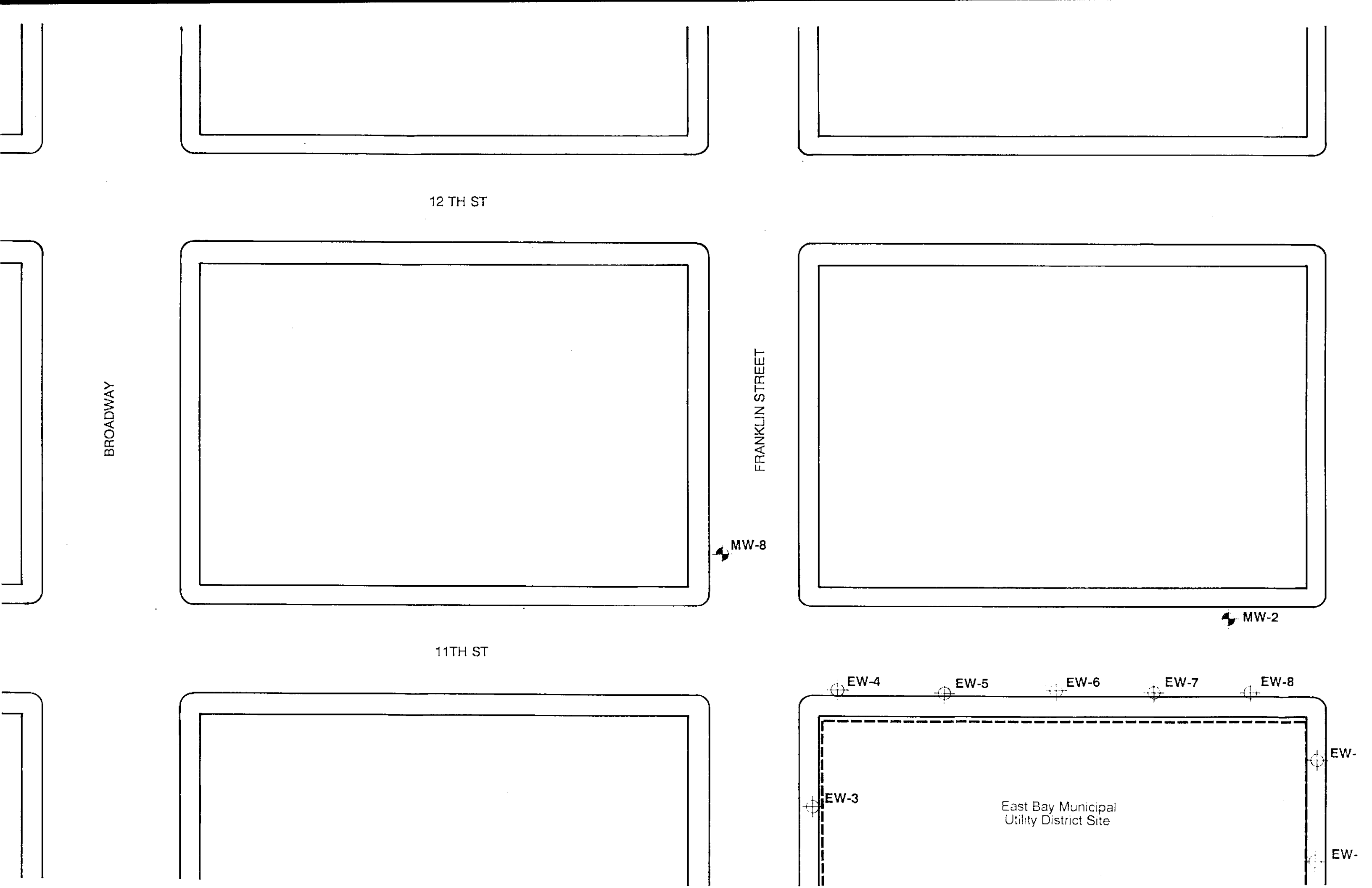
Harding Lawson Associates
Engineering and Environmental Services

Plan of Sites and Vicinity
Chinatown Redevelopment Project Area
Oakland, California

PLATE
1

DRAWN CVD	JOB NUMBER 09382,040.02	APPROVED	DATE 10/90	REVISED DATE
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18613
18437



12 TH ST

BROADWAY

FRANKLIN STREET

MW-8

MW-2

11TH ST

EW-4

EW-5

EW-6

EW-7

EW-8

EW-3

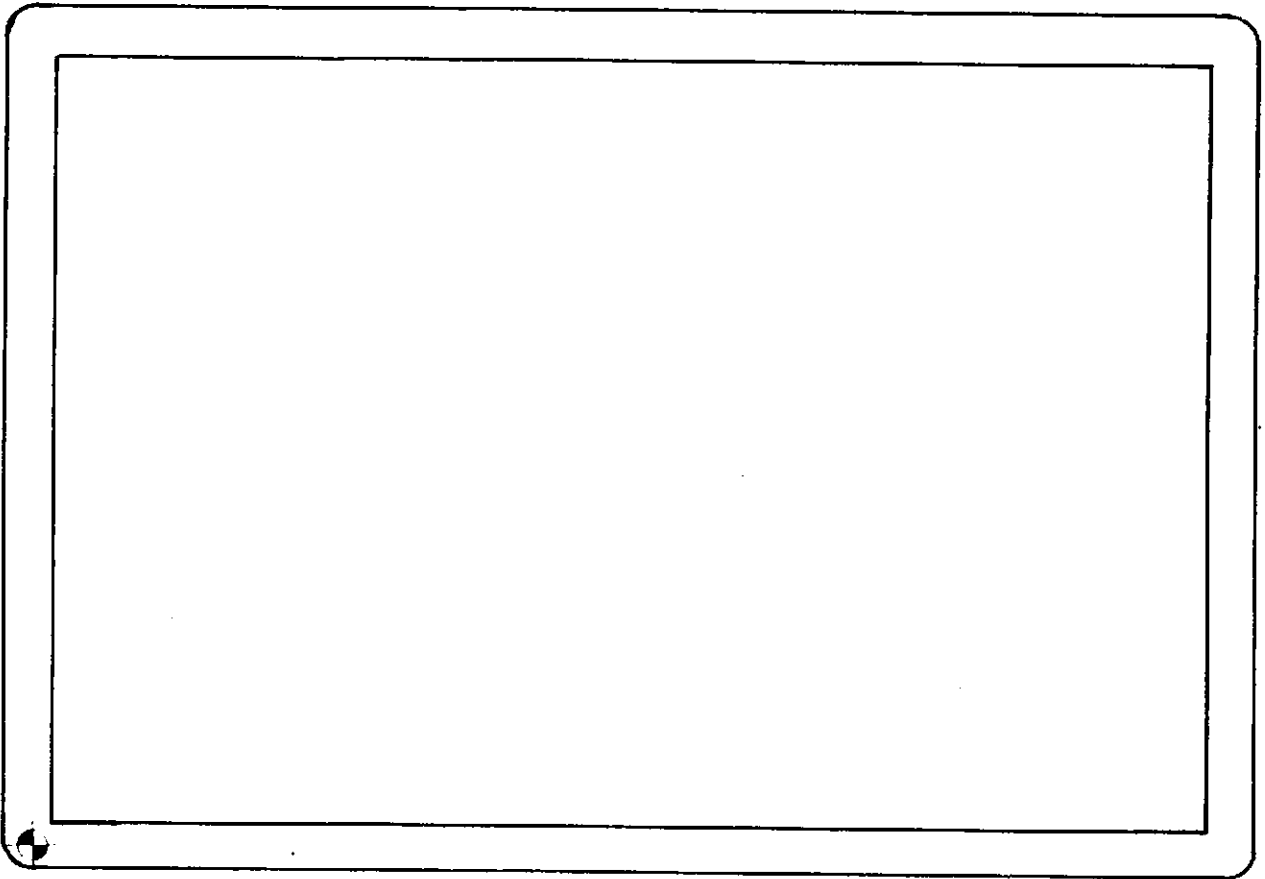
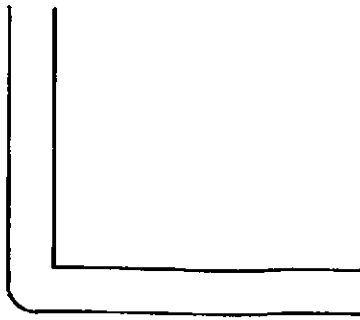
EW-

EW-

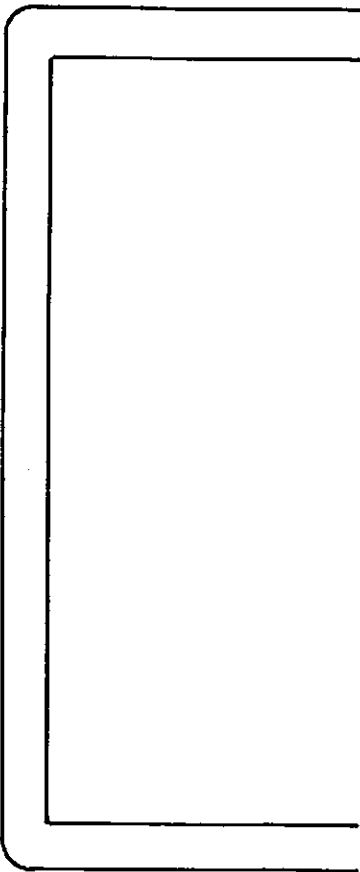
East Bay Municipal
Utility District Site



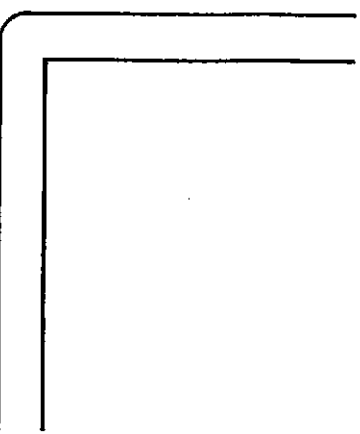
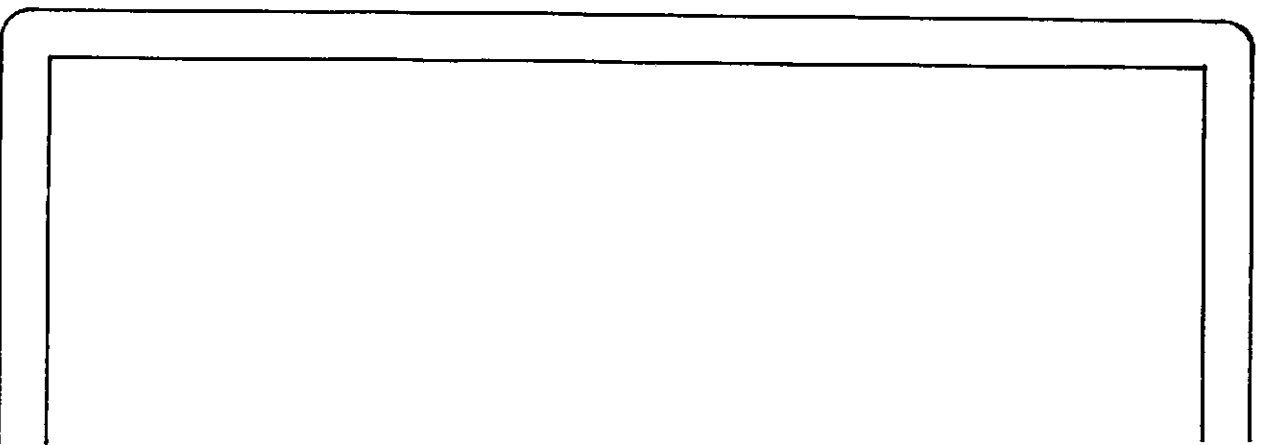
12 TH ST



HARRISON STREET



11TH ST



MW-6

EXPLANATION

EW-5

Extraction Well

MW-8

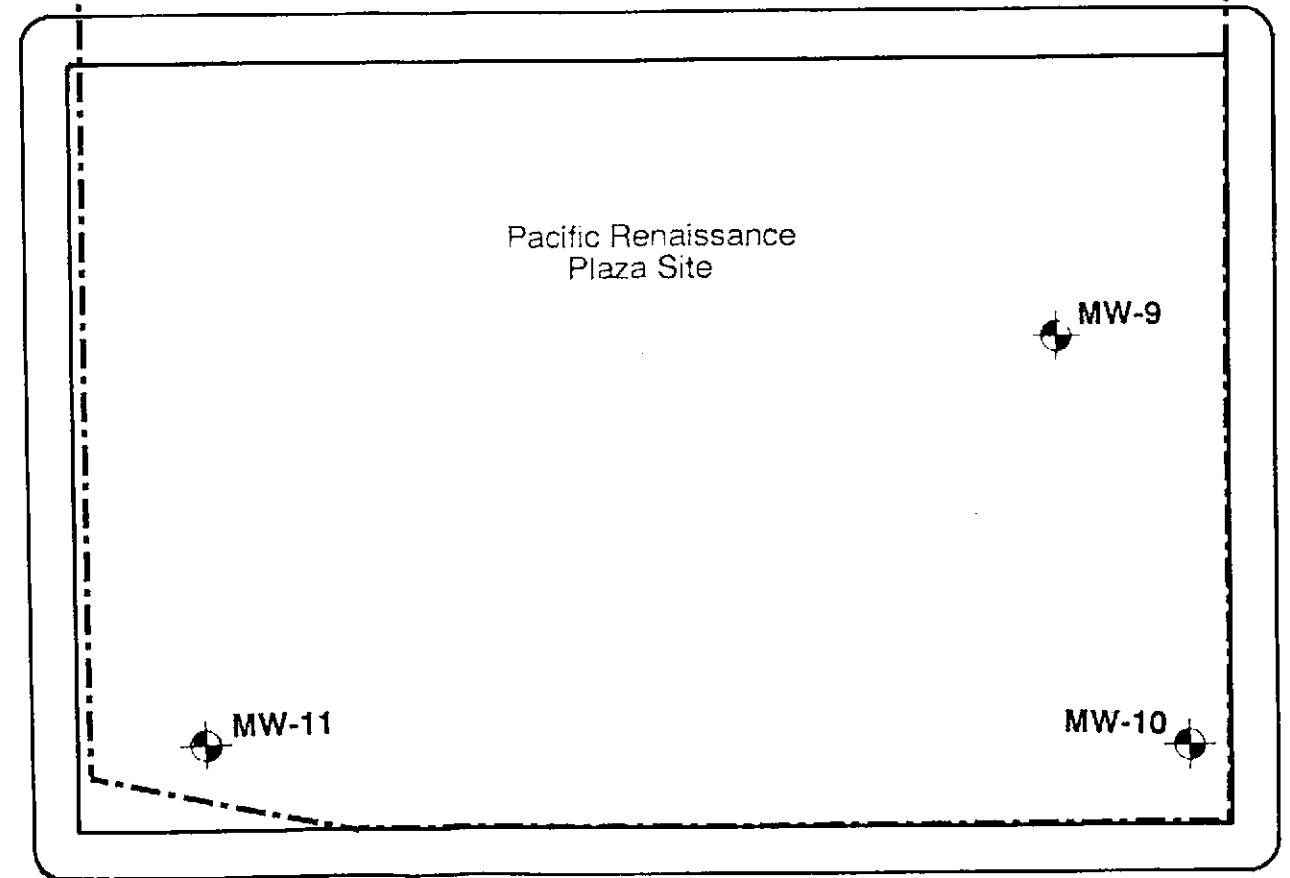
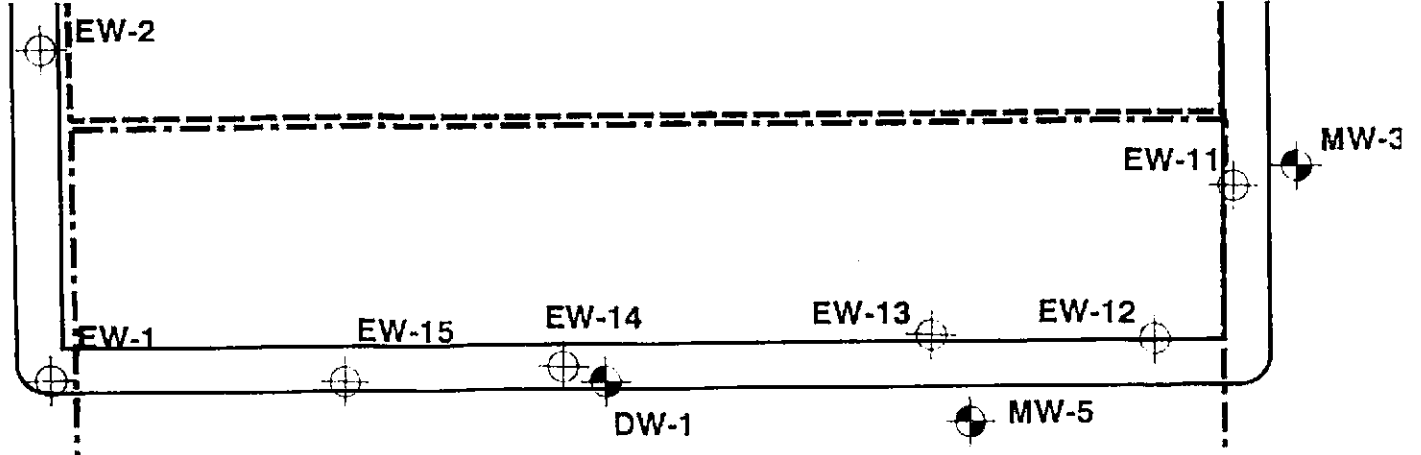
Monitoring Well

BROADWAY

9TH ST

FRANKLIN STREET

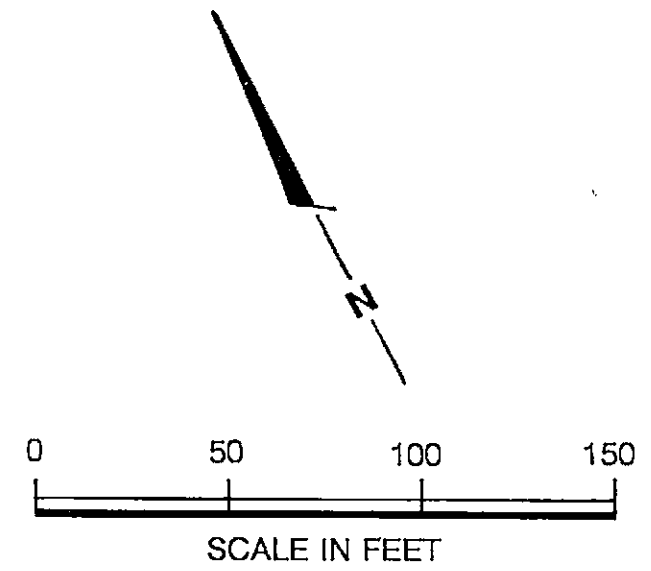
WEBSTER STREET



10TH ST

9TH ST

HARRISON STREET



Harding Lawson Associates
Engineering and
Environmental Services

Site and Well Location Map
A-Aquifer Monitoring Report
August 1988 through February 1989
Chinatown Redevelopment Project Area

PLATE



BROADWAY

12 TH ST

11TH ST

FRANKLIN

WEBSTER

MW-8
9.66

MW-6
8.96

MW-2
5.66

EW-4
0.3

EW-5
0.6

EW-6
-1.3

EW-7
-5.4

EW-8
-1.8

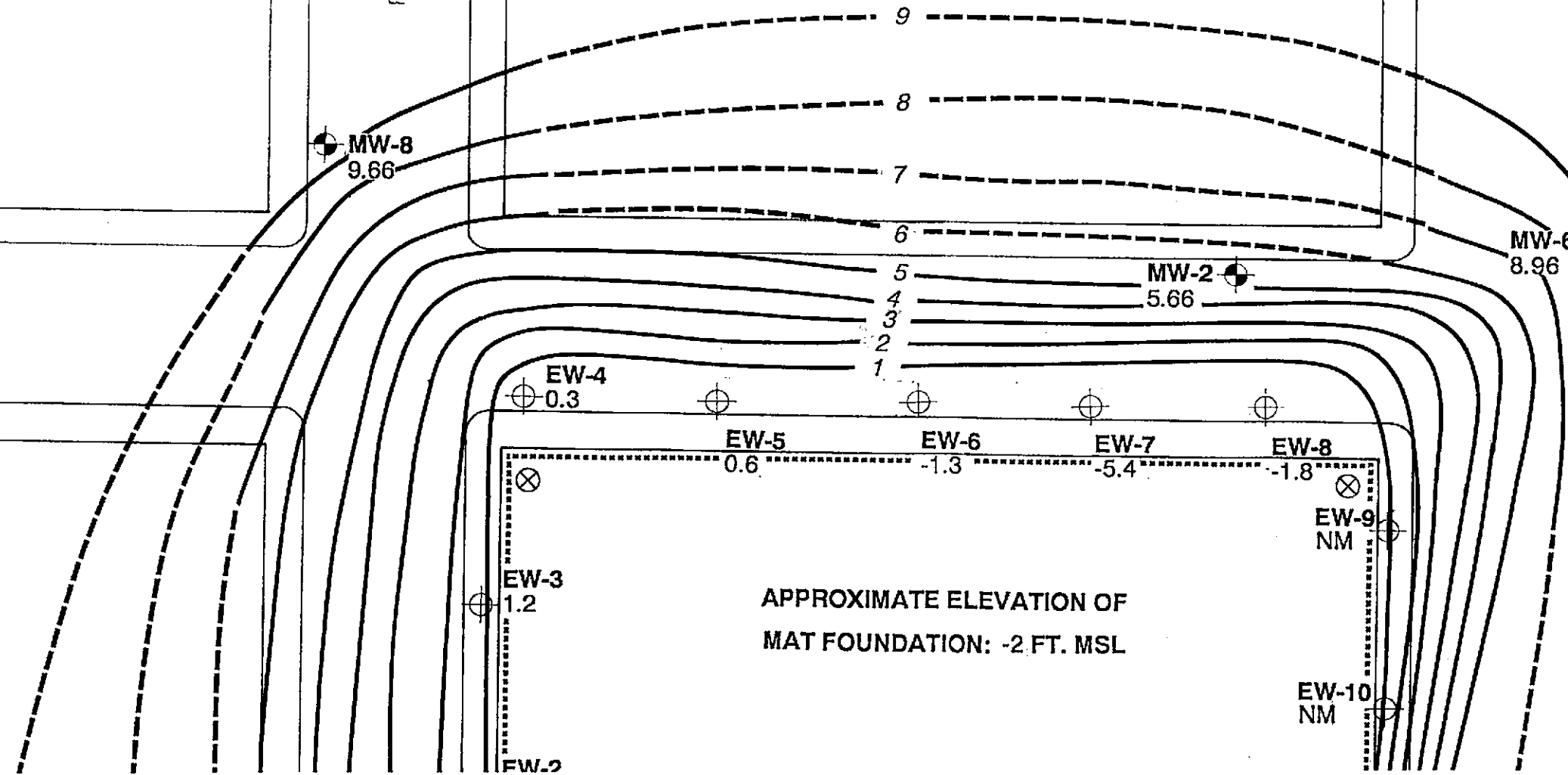
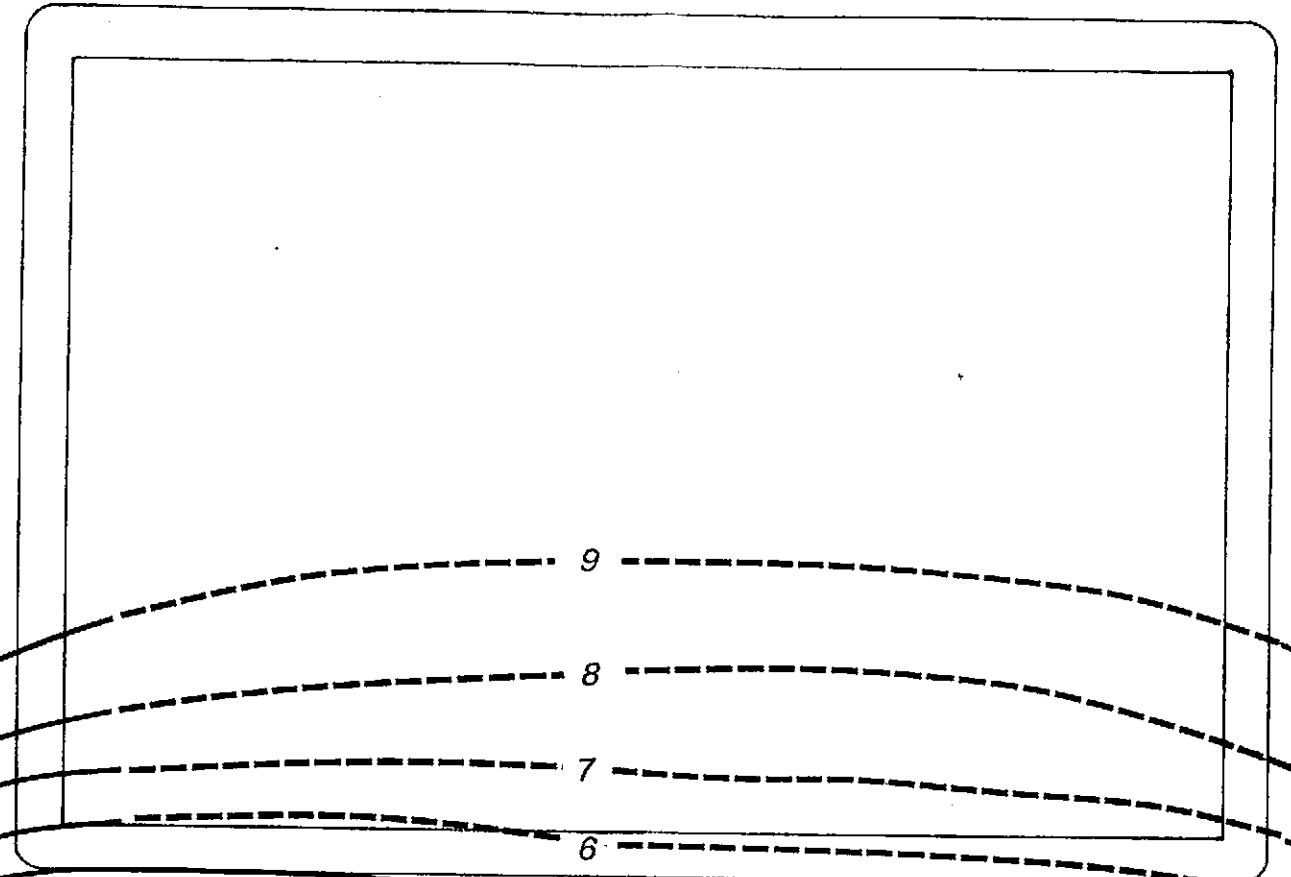
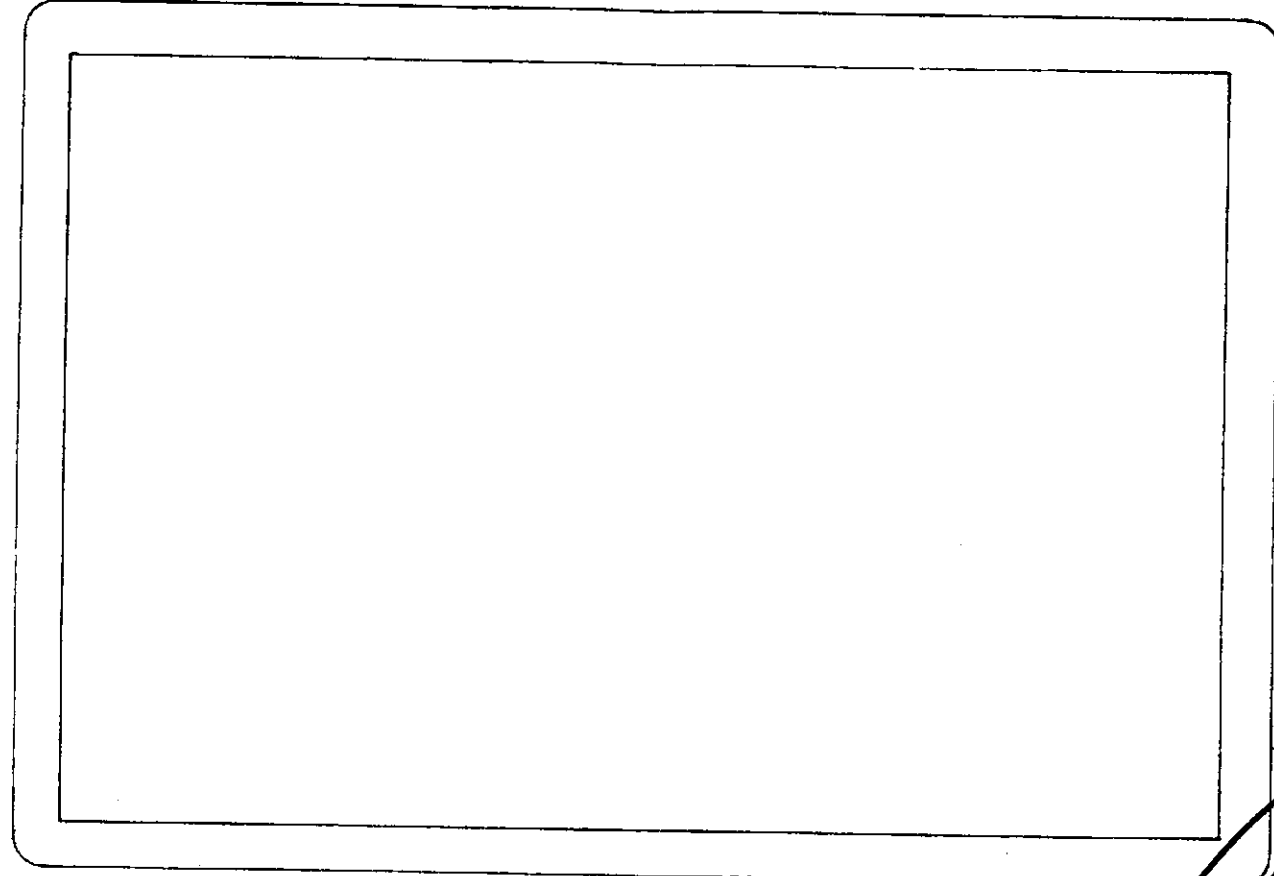
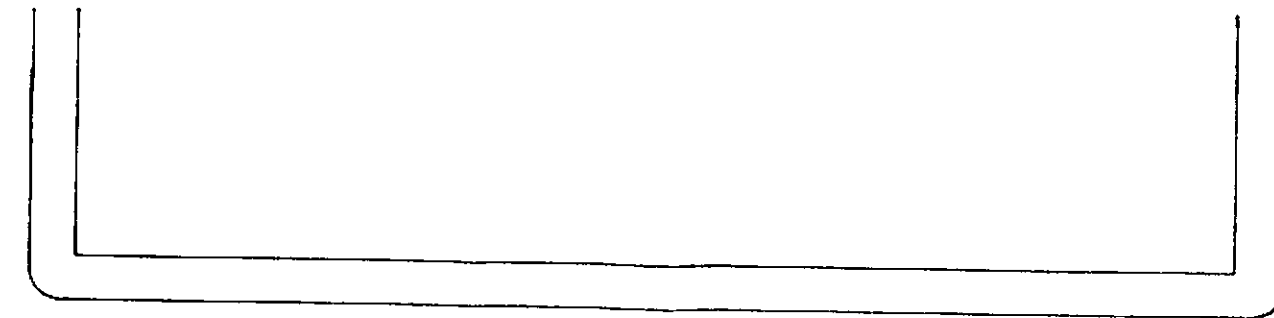
EW-9
NM

EW-3
1.2

EW-2

EW-10
NM

APPROXIMATE ELEVATION OF
MAT FOUNDATION: -2 FT. MSL



A

12 TH ST

11TH ST

HARRISON

EXPLANATION

EW-3



Extraction Well

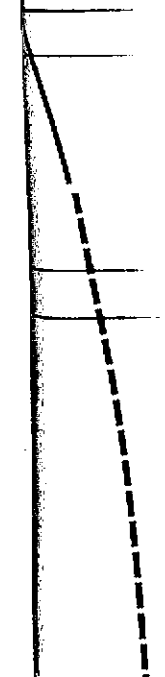
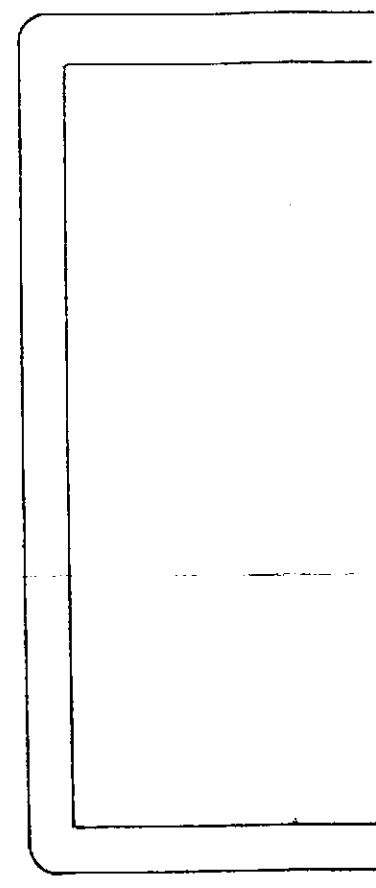
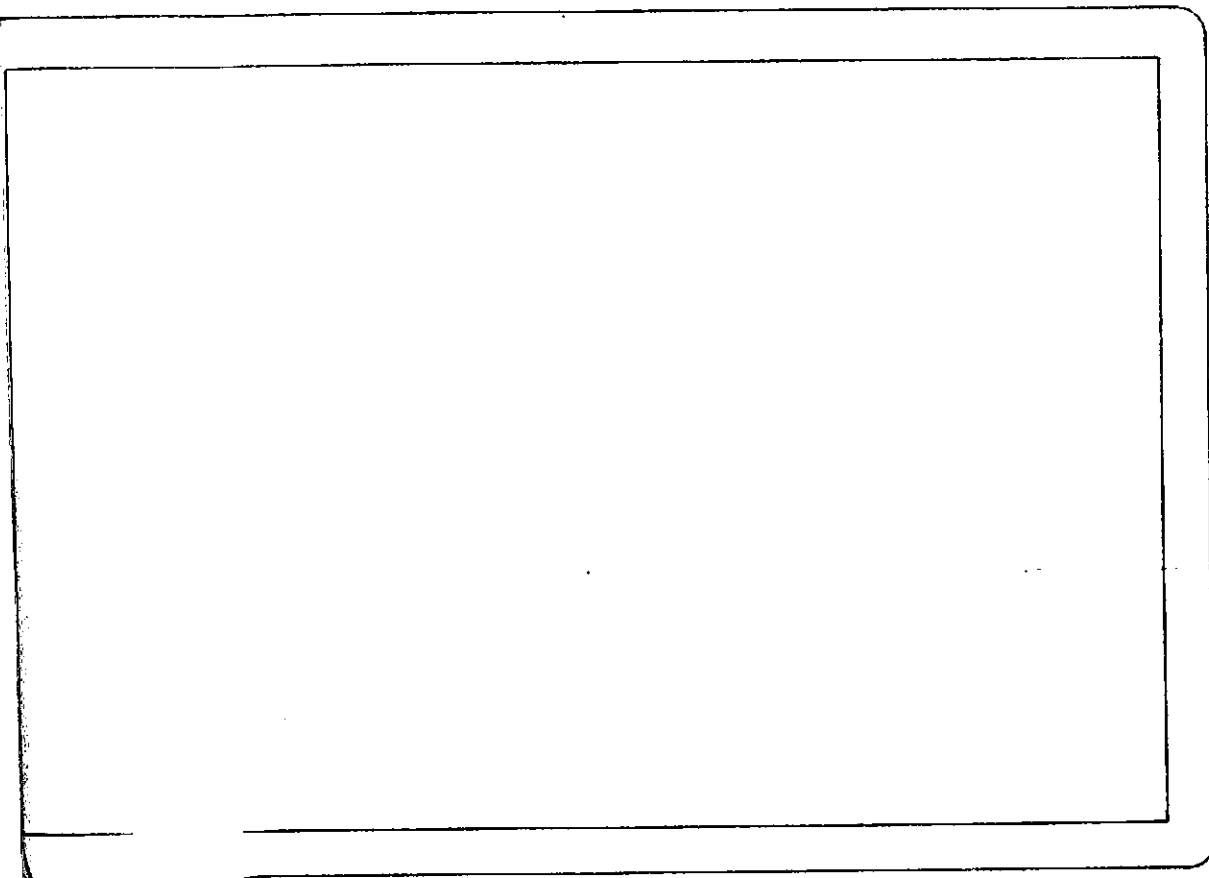
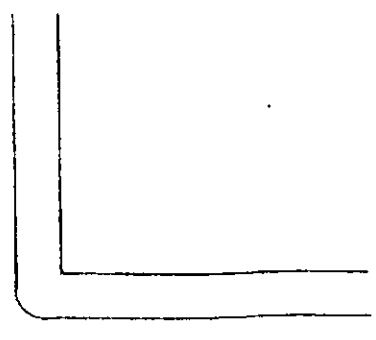
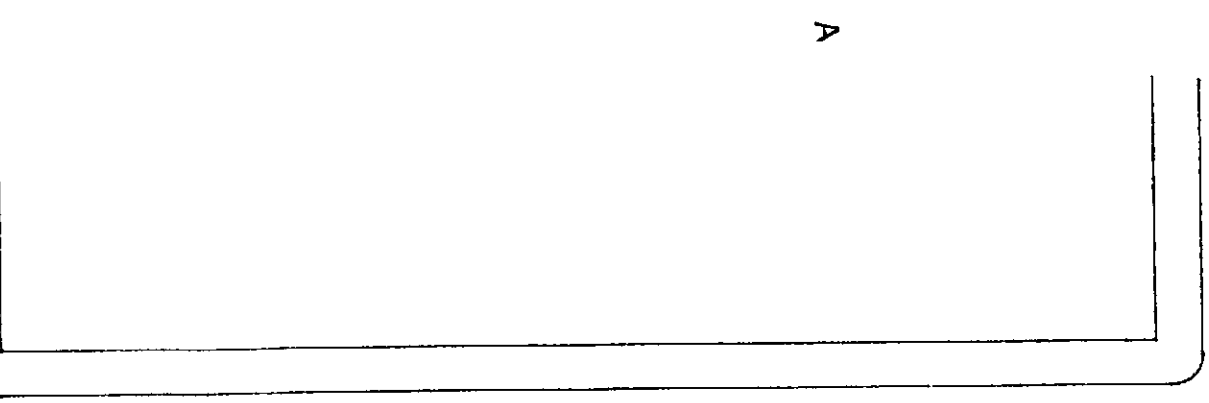
MW-3



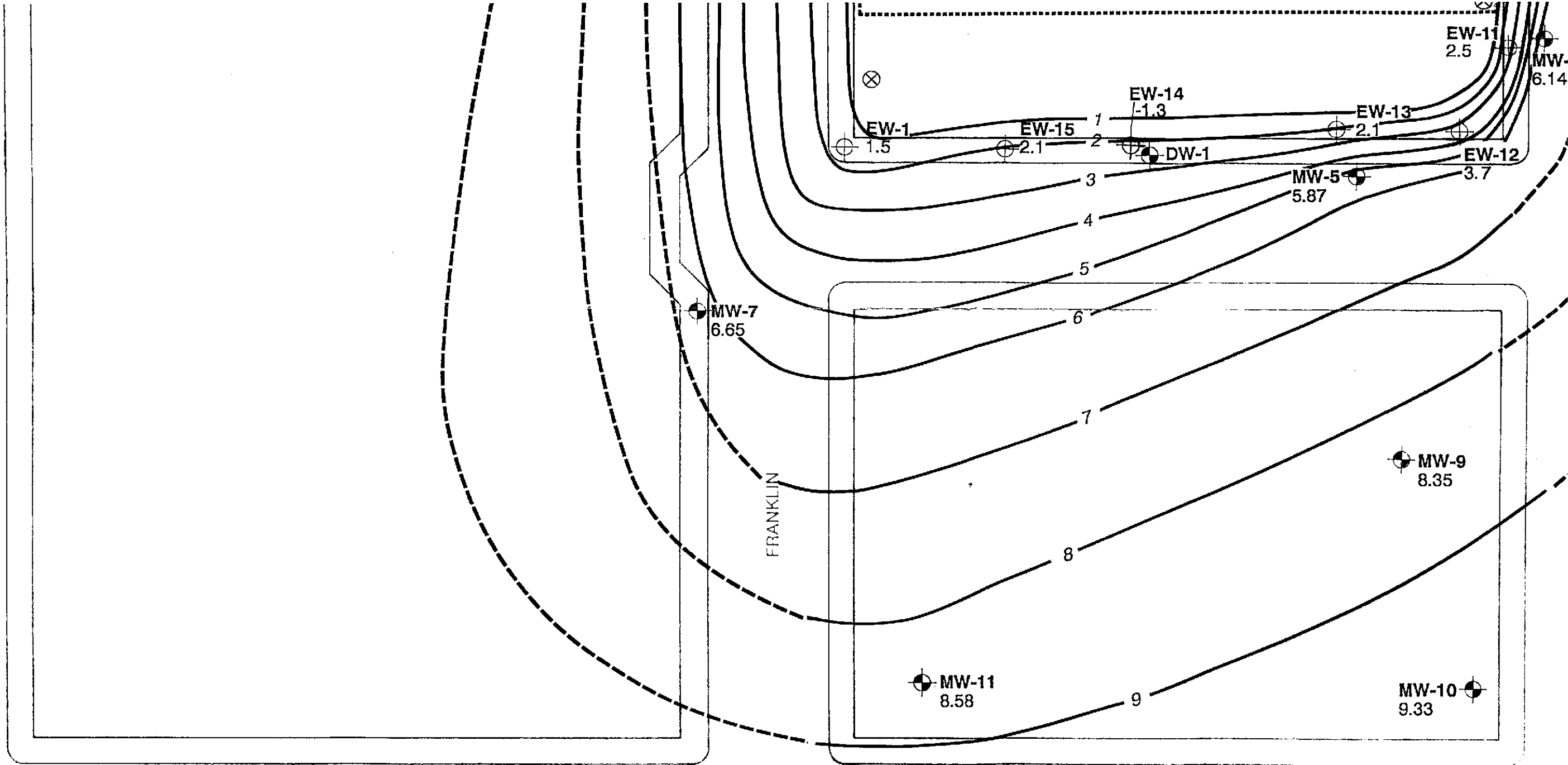
Monitoring Well



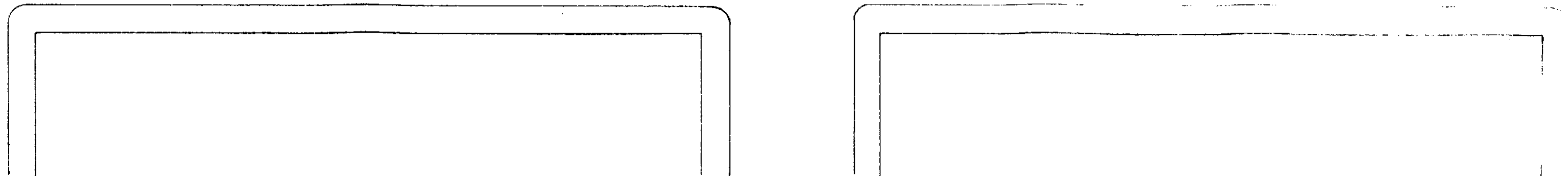
Approximate Location of Sump

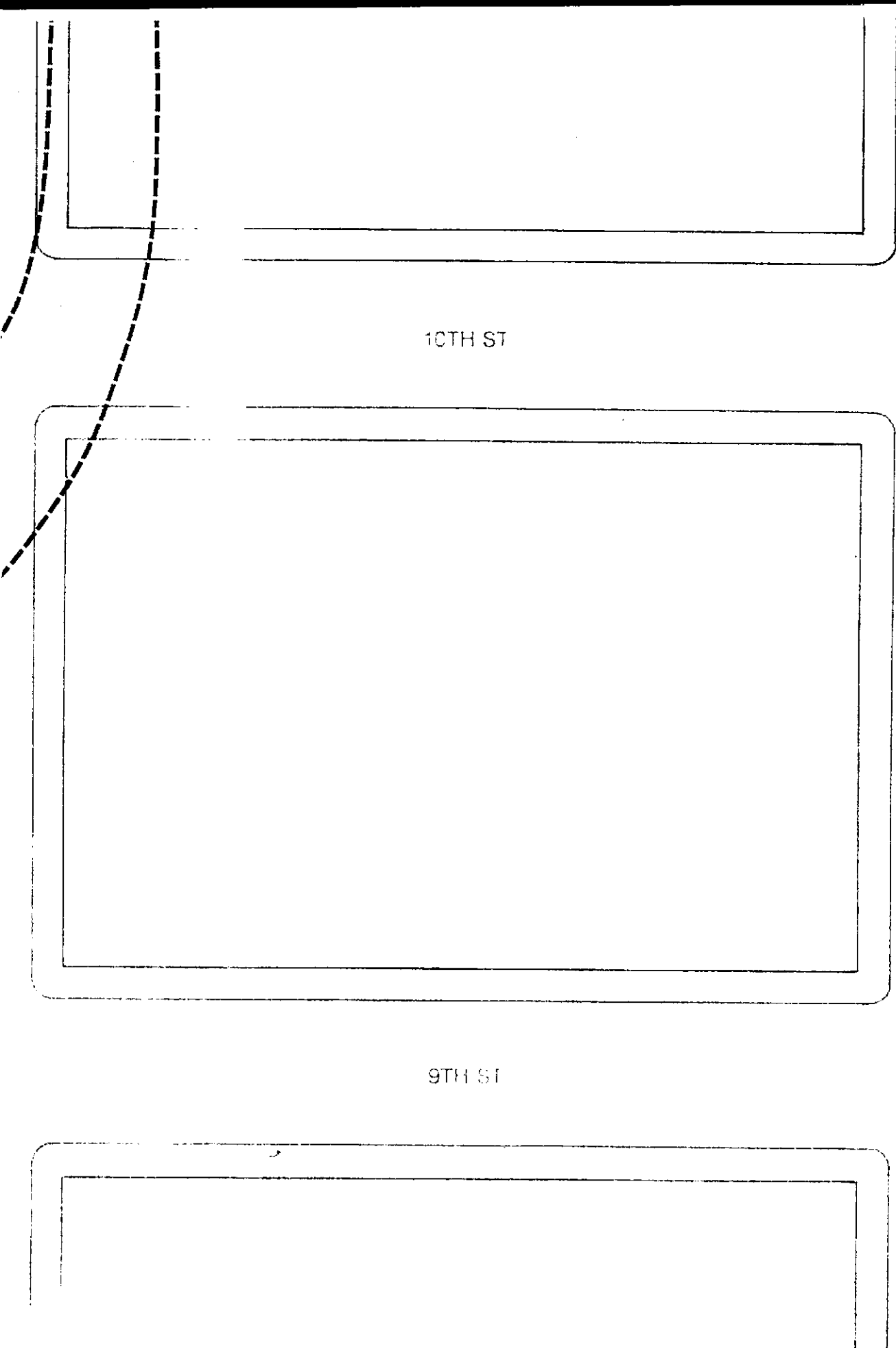


BROADWAY

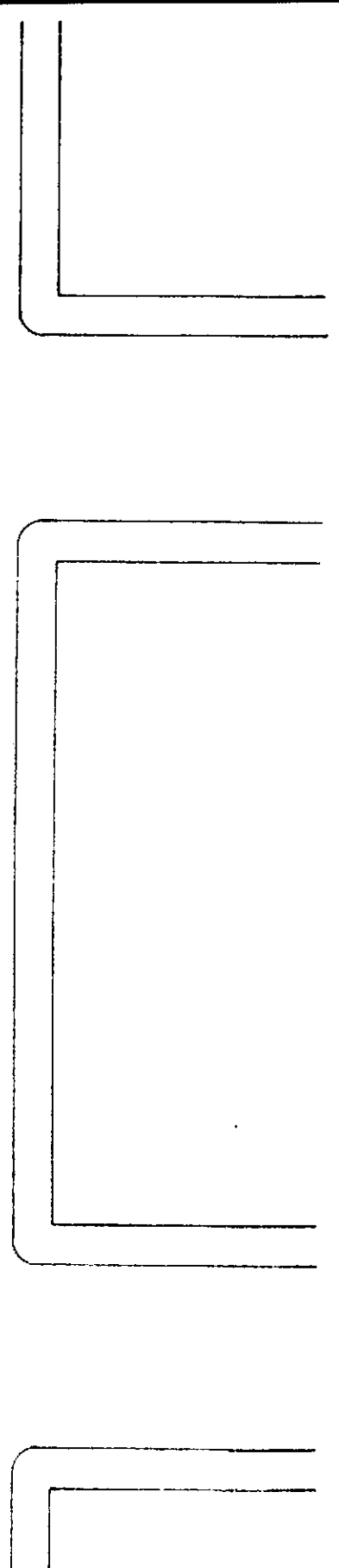


9TH ST





HARRISON



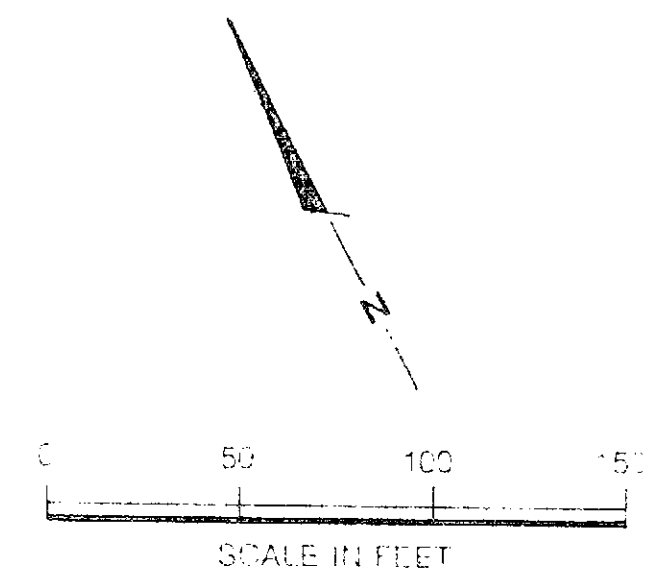
6.14 Ground-Water Elevation*
(Feet above Mean Sea Level)

Generalized Ground-Water Elevation Contour
(Feet above Mean Sea Level)
Contour Interval = 1 Foot

..... Approximate Extent of Mat Foundation

NM Not Measured

*NOTE: Posted values for extraction well
water levels are pump intake elevations.
Sources: AGE (1988), Viking (1988)



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Ground-Water Elevations - September 9, 1988
A-Aquifer Monitoring Report
August 1988 through February 1989
Chinatown Redevelopment Project Area

BROADWAY

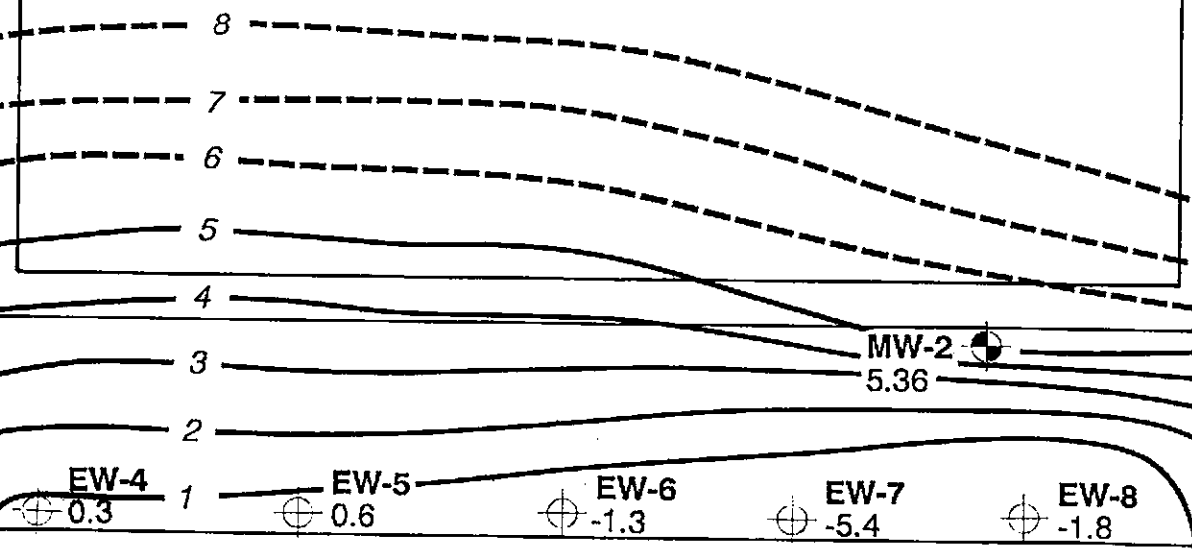
12 TH ST

FRANKLIN

11TH ST

MW-8
7.27

MW-2
5.36



EW-3
1.2

EW-9
NM

APPROXIMATE ELEVATION OF
MAT FOUNDATION: -2 FT. MSL

EW-10
NM

EW-2

WEBSTER

12 TH ST


HARRISON

11TH ST

MW-6
8.47

EXPLANATION

EW-10  Extraction Well

MW-10  Monitoring Well

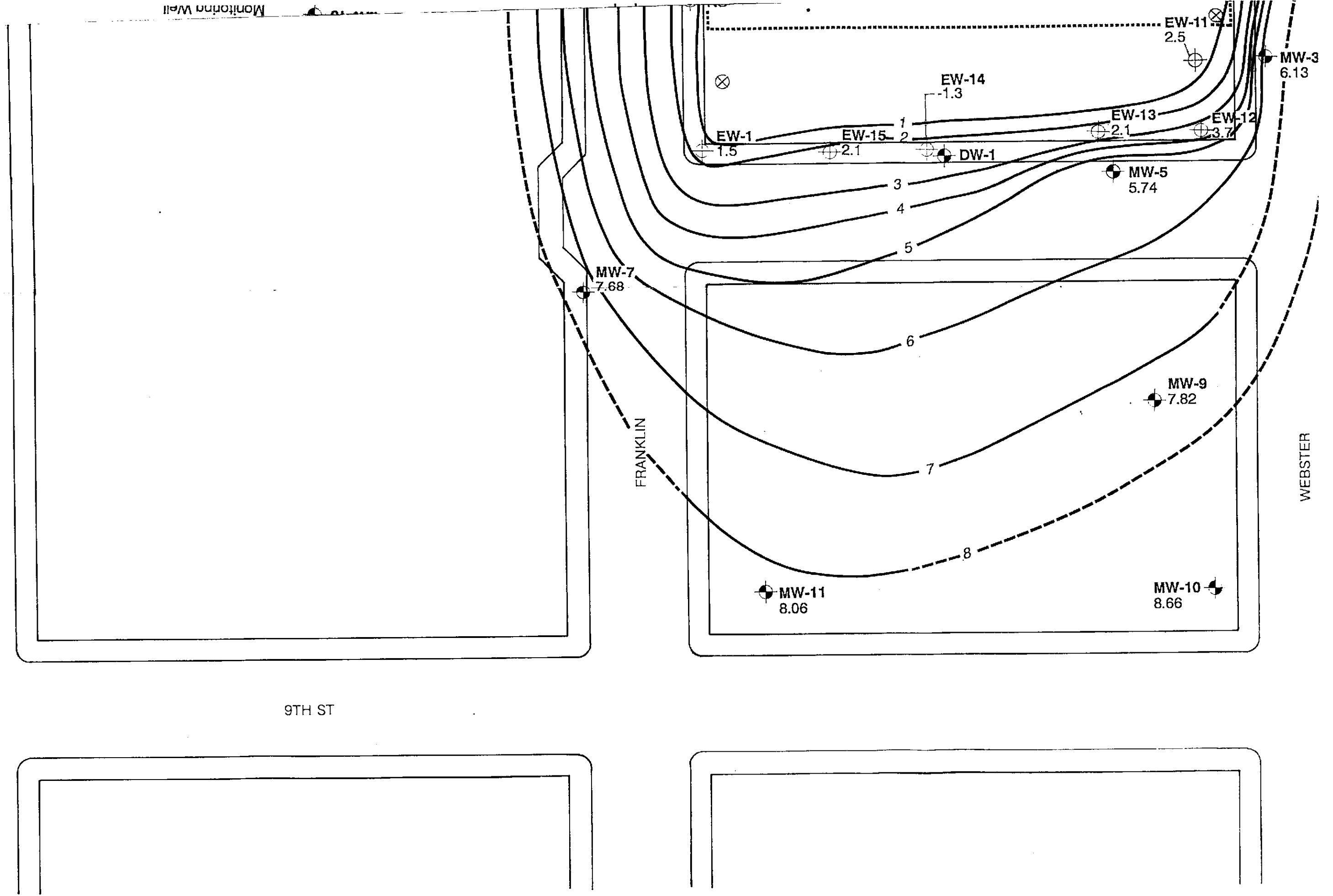
Monitoring Well

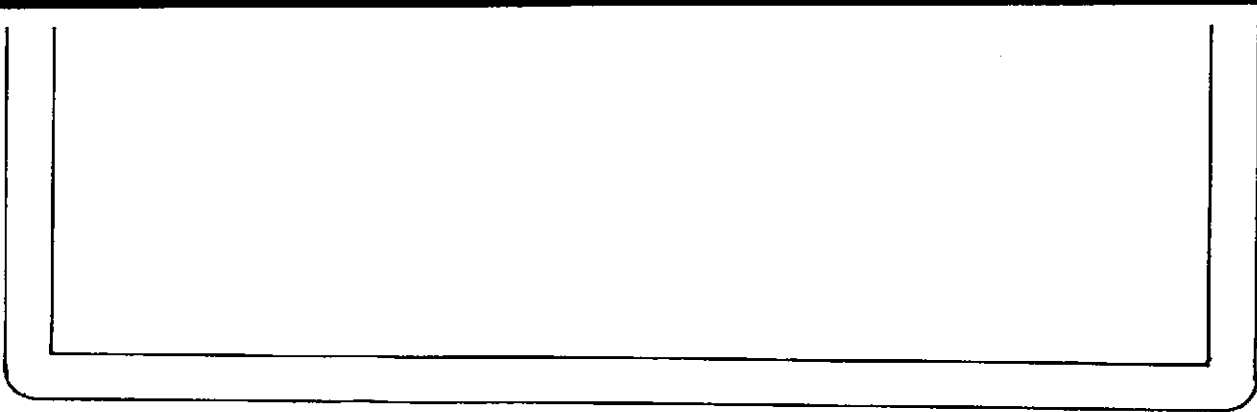
BROADWAY

9TH ST

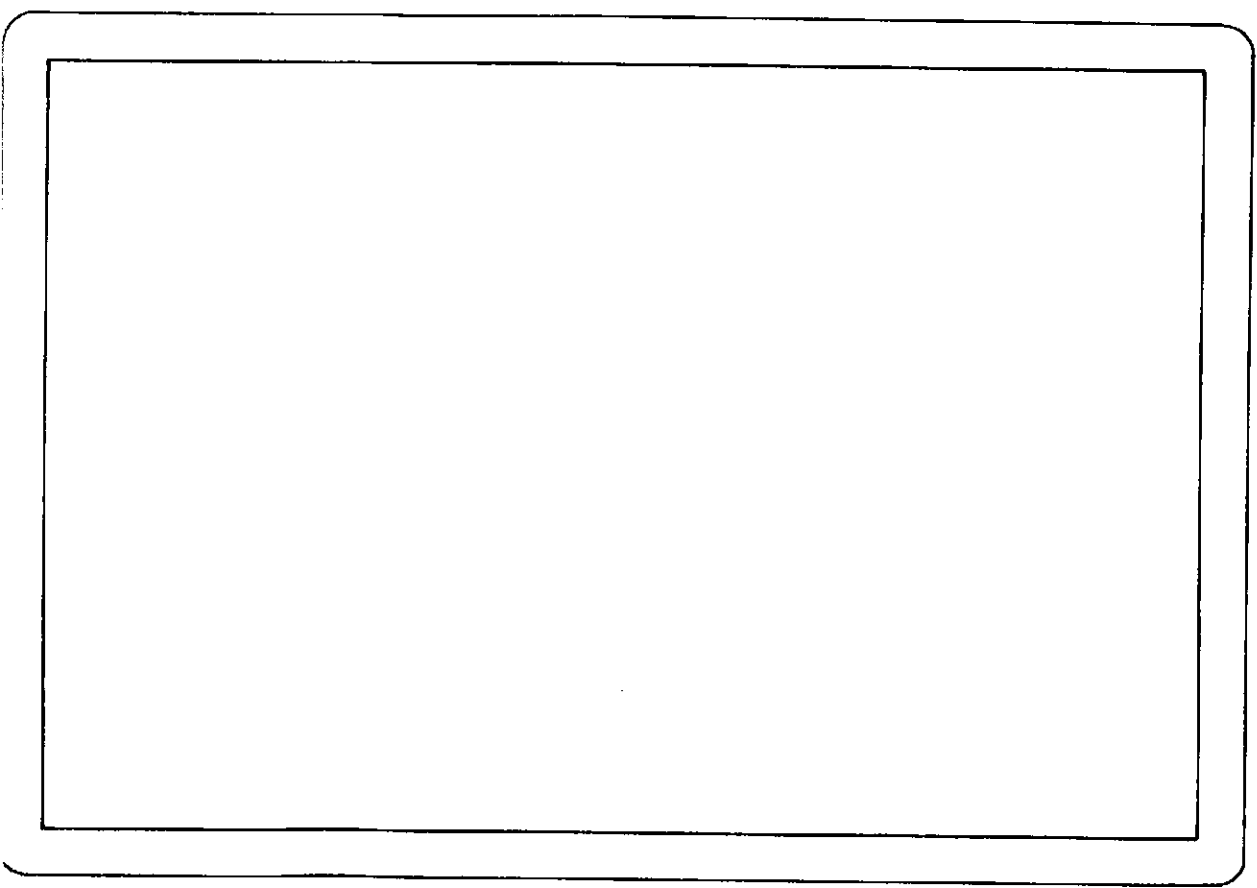
FRANKLIN

WEBSTER

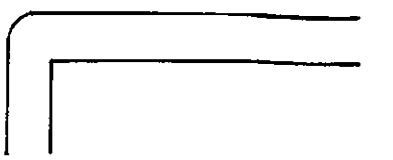
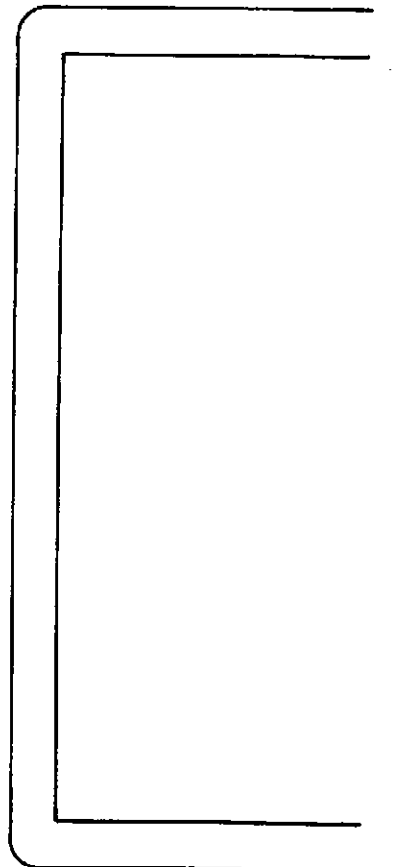
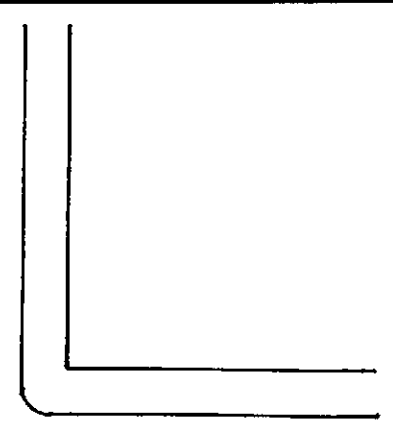
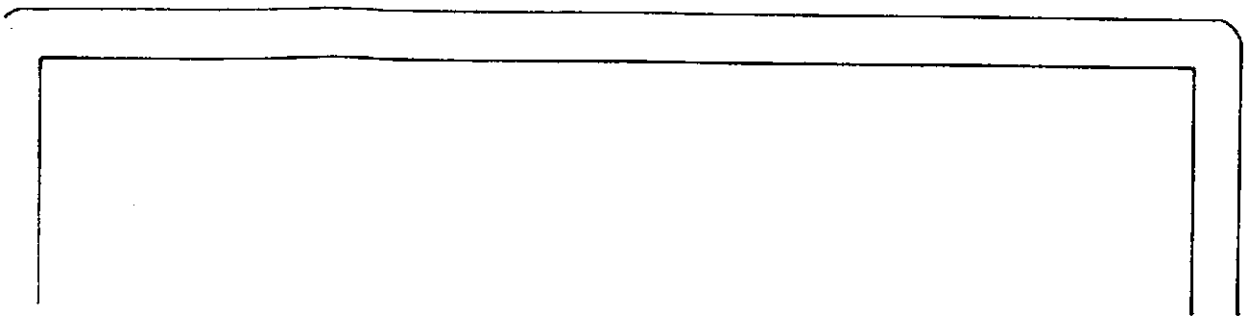




10TH ST



9TH ST



HARRISON

⊗ Approximate Location of Sump

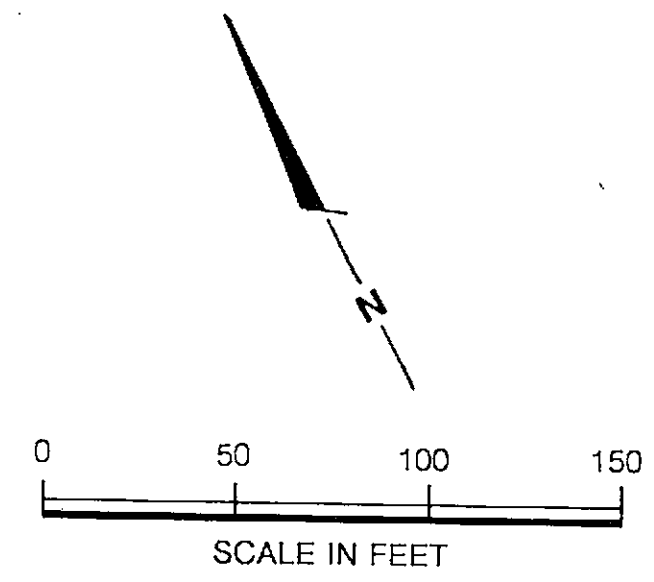
8.66 Ground-Water Elevation*
(Feet above Mean Sea Level)

— 7 — Generalized Ground-Water Elevation Contour
(Feet above Mean Sea Level)
Contour Interval = 1 Foot

..... Approximate Extent of Mat Foundation

NM Not Measured

*NOTE: Posted values for extraction well
water levels are pump intake elevations.
Sources: AGE (1988), Viking (1988)



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Environmental Services

Ground-Water Elevations - December 1, 1988
A-Aquifer Monitoring Report
August 1988 through February 1989
Chinatown Redevelopment District

PLATE

