DEPARTMENT OF TRANSPORTATION
111 GRAND AVENUE
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December 21, 2011

Mr. Keith Nowell, P.G., C.H.G.
Alameda County Health Care Services
Environmental Protection Division
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Reference: Preferential Pathway Study
Former Hegenberger Maintenance Station
555 Hegenberger Road
Oakland, California

TO WHOM IT MAY CONCERN:

Attached for your review is the Preferential Pathway Study for the Former Hegenberger Maintenance Station, 555 Hegenberger Avenue, Oakland, California. This report was prepared for the Alameda County Environmental Health by Stantec Consulting Corporation.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached proposal or report is true and correct, to the best of my knowledge.

If you have any questions, please do not hesitate to contact me or Stantec Project Manager ,Gary Messerotes, at 408.356.6124 extension 252.

Sincerely,

for Ray Boyer, P.E.
Office of Environmental Engineering
Division of Environmental Planning & Engineering
Caltrans District 04

Preferential Pathway Study
Former Caltrans Hegenberger Maintenance Station
555 Hegenberger Road
Oakland, California 94612

December 21, 2011

Table of Contents

Limitations and Certifications

This report was prepared in accordance with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the Site. It was prepared for the exclusive use of the California Department of Transportation (Caltrans). Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Stantec. To the extent that this report is based on information provided to Stantec by third parties, Stantec may have made efforts to verify this third party information, but Stantec cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the Site existing at the time of the field investigation. No other warranties, expressed or implied are made by Stantec.

Prepared by:

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Project Scientist

Jack C. Hardin, REA
Managing Principal

Reviewed by:

Gary P. Messerotes, PG
Senior Project Manager

All information, conclusions, and recommendations provided by Stantec in this document regarding the Site have been prepared under the supervision of and reviewed by the Licensed Professional whose signature appears below:

Licensed Approver:

Name: **Gary P. Messerotes** **Signature:**

Date: 12/21/11 **Stamp:**

PROFESSIONAL GEOLOGIST
GARY P. MESSEROTES
No. 5650
exp. 07/31/11
STATE OF CALIFORNIA

1.0 Introduction

Stantec Consulting Corporation (Stantec) has prepared this preferential pathway study (Pathway Study) for the former California Department of Transportation (Caltrans) Hegenberger Maintenance Station, located at 555 Hegenberger Road, Oakland, California (Site; **Figure 1**). The Pathway Study was conducted in accordance with requirements stated in the letter from the Alameda County Environmental Health Department (ACEHD) dated July 25, 2011. The objective of this Pathway Study was to identify potential subsurface migration pathways and conduits (i.e., wells, utilities, pipelines) beneath the Site and assess the potential for vertical and lateral migration of contamination.

Stantec requested available maps and documents from various regulatory agencies, contacted Underground Services Alert (USA), and contracted a subsurface utility locating company to assess the potential for subsurface utility trenches to act as potential conduits for groundwater and petroleum hydrocarbon migration. A subsurface utility map showing subsurface utility trenches and other potential conduits are shown on **Figure 2**.

This study also consisted of an evaluation of well completion reports for wells located within a 1/2 mile radius of the Site that were available from the California Department of Water Resources (DWR) and Alameda County Public Works Agency (ACPWA). Stantec also reviewed available groundwater monitoring reports on the State Water Resource Control Board's (SWRCB) electronic database (Geotracker) for additional wells within a 1/2 mile radius of the Site. A sensitive receptor survey map showing the locations of the wells and sensitive receptors within a 1/4 mile and 1/2 mile radius are presented on **Figure 3**.

The conclusions presented in this report are professional opinions based on data described herein. Limitations associated with this report are described in the Limitations and Certifications page.

2.0 Site History and Previous Investigations

According to aerial photographs and building department records, the Site was undeveloped prior to 1948. The City of Oakland owned the Site between 1948 and 1972 and utilized the Site for offices and a corporate yard. The City constructed one additional warehouse and a storage building in 1949 and five warehouse buildings in 1954. Caltrans occupied the Site and operated an automotive fueling and maintenance facility and a construction lab between 1972 and 1991. Alameda County Environmental Health Inspection forms listed Caltrans as "out of business" in 1991. The adjacent property to the west, currently occupied by a General Motors Corporation (GMC) Truck Center, has used the former Caltrans Site to park and store vehicles between approximately 1993 and the present.

Between 1994 and 1996, two 2,000-gallon diesel and two 6,500-gallon gasoline underground storage tanks (USTs), product pipelines, vapor return lines, a fuel dispenser island, and a vehicle maintenance building were removed by Caltrans, under the supervision of GHH Engineering Incorporated (GHH). In September 1995, five groundwater monitoring wells (MW-1 through MW-5) were installed to assess the vertical and lateral extent of impacts to soil and groundwater from the former USTs and pump island.

Groundwater monitoring events were intermittent between 1995 and 1998. Groundwater monitoring resumed in 2001 and was conducted on an annual basis between 2001 and 2005. No groundwater sampling events were conducted between 2005 and September 2011, when Stantec reinitiated quarterly groundwater monitoring.

The groundwater samples were originally sampled for total petroleum hydrocarbons (TPH) as gasoline (GRO); TPH as diesel (DRO); TPH as motor oil (MO); oil and grease (O&G); benzene, toluene, ethylbenzene, and xylenes (BTEX); and methyl-tertiary butyl ether (MTBE). Volatile organic compounds (VOCs) were added to the groundwater sampling program in March 2001. Due to low concentrations of many of the constituents, the ACEHD approved the removal of TPH-MO, O&G, MTBE, and VOCs from the groundwater monitoring program, with only TPH-GRO, TPH-DRO, and BTEX remaining.

2.1 SUBSURFACE LITHOLOGY

According to GeoCon Consultants Inc.'s (GeoCon) *Low-Risk Case Closure Summary Report* for the Site, dated June 22, 2006, soils beneath the Site consist of unconsolidated alluvium and near-shore to wetlands deposits consisting of predominately fine sands, black bay mud, and silts inter-fingered with lesser amounts of clay and silt mixed sands and gravels. Soils encountered at the Site in previous subsurface investigations consisted of three feet of fill material (sub-angular clayey gravel) overlying moist, black, low permeability silty clay and clay deposits that extend to depths of approximately 13 feet below ground surface (bgs), which overlay stratigraphic units of saturated, olive-brown, silty sands, clayey sands, and clayey gravels to the maximum depth drilled of 20 feet bgs.

2.2 GROUNDWATER

As presented in GeoCon's *Low-Risk Case Closure Summary Report*, groundwater flow direction appears to flow in a radial direction outward from groundwater monitoring well MW-1, at gradients ranging between 0.042 and 0.006 foot per foot (ft/ft). During the installation of the groundwater monitoring wells in September 1995, groundwater was first encountered between 13 and 18 feet bgs. After construction and development of the groundwater monitoring wells, static water level measurements were reported between 6.42 and 6.88 feet bgs, indicating confined or semi-confined groundwater conditions. The boring logs indicated the top of the water bearing zone coincides with the base of a 13 foot thick confining layer of stiff, moist, black clay with medium plasticity.

On September 29, 2011, Stantec measured water levels in groundwater monitoring wells MW-1 through MW-5. During this event, depth-to-water ranged between 5.50 and 6.37 feet bgs with elevations between 3.77 and 4.69 feet above mean sea level. The flow direction and gradient could not be determined for the third quarter 2011 event due to the anomalously high groundwater elevation in MW-1. The groundwater elevation for MW-1 has historically been anomalous making it difficult to determine the flow direction and gradient at the Site. Regional groundwater flow direction is most likely towards the west; however, due to the close proximity to the San Francisco Bay, it may be tidally influenced. Historical and current groundwater elevations are presented in **Table 1**.

2.3 SURFACE WATER

Engineered channels and culverts are located to the north, south, and west of the Site. The nearest engineered channel is approximately 350 feet north of the Site's former UST complex. The channels and culverts drain into the San Leandro Bay located approximately one mile to the west, which then drains into the San Francisco Bay. According to GeoCon, based on the Site's proximity to the channels, these surface water receptors are not considered to be threatened by petroleum hydrocarbons originating from the Site. The locations of the channels, culverts, and the Bay in relation to the Site, are shown on **Figure 1**.

3.0 Preferential Pathway Study

Stantec conducted a Pathway Study of the Site vicinity to assess the potential for subsurface utility trenches to act as potential conduits for groundwater and petroleum hydrocarbon migration. To identify utilities in the Site vicinity, Stantec contacted the following agencies:

- Pacific Gas & Electric Company (PG&E);
- East Bay Municipal Utility District (EBMUD);
- AT&T North Bay/Pacific Bell;
- City of Oakland Building Services;
- City of Oakland Public Works Agency; and
- The Alameda County Public Works Agency.

Additionally, Stantec contacted Underground Services Alert (USA) and subcontracted a private utility locating company, Cruz Brothers, for identification of other utilities in the Site vicinity.

Water, sanitary sewer, and underground gas and electric utilities were located north, east, and west of the former UST complex on the Site. No underground utilities were located south of the former UST complex on the Site, with the exception of an unknown conduit pipe with no active flow. Technical aspects of the underground utilities and pipe diameter are shown on **Figure 2**. Locations and depths of the utilities were based on the following:

- Maps provided by City of Oakland Public Works Agency;
- Maps provided by EBMUD;
- USA markings provided by PG&E and Pacific Bell; and
- Cruz Brothers, subsurface utility locating company.

Summaries of the findings are presented in relation to the distance of the utility line to the former UST complex of the Site and are described in the following sections.

3.1.1 East Bay Municipal Utility District Water Lines

A water line (identified on Figure 2 as –W–), traversing south to southwest, supplies water to the GMC building west of the Site. The water line is located approximately 7 feet bgs in the asphalt parking area, north-northwest of the UST complex. The signal from the water line was lost as it trended southwest, therefore the entire location of the water line could not be determined. According to Cruz Brothers, the signal could have been lost due to a change in the material of the water line (i.e. from metal to PVC).

Two 4-inch diameter EBMUD water distribution lines (identified on Figure 2 as –W–) are located in the Site vicinity; one water line is in a utility trench, traversing east to west beneath South Coliseum Way, approximately 300 feet north of the UST complex, and one water line in a utility trench, traversing north to south beneath Hegenberger Road is approximately 140 feet east of the UST complex.

3.1.2 City of Oakland Sanitary Sewer Lines

Two 10-inch diameter sanitary sewer lines (identified on Figure 2 as –SS–), approximately 5.5 to 6 feet bgs, are located within utility trenches in the Site vicinity; one sewer line traversing east to west beneath South Coliseum Way, is approximately 270 feet north of the UST complex, and one traversing north to south beneath Hegenberger Road, is approximately 120 feet east of the UST complex. There are no current floor or storm drains on Site discharging to the sanitary sewer lines.

3.1.3 City of Oakland Storm Sewer Drain Lines

A 15-inch diameter storm sewer drain line (identified on Figure 2 as –SD–), approximately 5.5 to 8 feet bgs, is located approximately 270 feet north-northeast of the UST complex. The drain line traverses north-northeast and then connects to a west to east drain line beneath the intersection of South Coliseum Way and Hegenberger Road.

A 15-inch diameter storm sewer drain line, also approximately 5.5 to 8 feet bgs, is located approximately 160 feet east of the UST complex, traversing north-northeast beneath Hegenberger Road.

Storm sewer drain lines are also present approximately 270 feet northwest of the UST complex, however, information regarding the diameter of this drain line or depth was not provided.

3.1.4 Pacific Gas and Electrical Lines

Three 2-inch diameter PG&E gas and electric lines (identified on Figure 2 as –E–) within utility trenches are located approximately 200 feet north, 100 feet east, and 160 feet west of the UST complex. PG&E trenches are typically 1 to 2 feet wide and 2 to 4 feet bgs. One underground transformer in the sidewalk along South Coliseum Way is located approximately 270 feet north of the UST complex; one underground transformer is located adjacent to the GMC Sign approximately 260 feet north of the UST complex; and one aboveground transformer in the concrete median is located approximately 200 feet west of the UST complex.

3.1.5 AT&T North Bay / Pacific Bell Communication Lines

AT&T/Pacific Bell telephone and cable lines (identified on Figure 2 as –COM–) are located approximately 250 feet north and 110 feet northwest of the UST complex; however, at the time of this report preparation, no information regarding pipe diameter or depth was available.

3.1.6 Miscellaneous Pipelines Identified during Utility Survey

According to Cruz Brothers, an approximately 4-inch unknown conduit (identified on Figure 2 as –UC–) traverses through the Site from the fence line northwest of the former UST complex to the northeast corner of the remaining concrete pad of the former Site building (see **Figure 2**). The signal is lost beneath the reinforced concrete pad of the former building, however, the signal returns from the southwest corner of the concrete pad to the southwest fence line, north

of the mobile GMC sales office. The metal pipeline seems to get larger in diameter toward the fence line. The metal pipeline does not continue past the western fence line.

Additionally, two 4-inch low-volt electric lines (identified on Figure 2 as –V–) are located to the west of the former UST complex, with one of the electric lines is located adjacent to the former UST complex along the west side of the fence line and one electric line located approximately 120 feet to the west-northwest, traversing from the GMC Facility concrete median towards South Coliseum Way.

4.0 Sensitive Receptor Survey

The sensitive receptor survey portion of this Pathway Study consists of an evaluation of well completion reports for wells located within a 1/2 mile radius of the Site that were available from the DWR and ACPWA. Stantec also reviewed available groundwater monitoring reports on the SWRCB electronic database (GeoTracker) for additional wells within a 1/2 mile radius of the Site. A sensitive receptor survey map showing the locations of the wells and sensitive receptors within a 1/4 mile and 1/2 mile radius are presented on **Figure 3**.

4.1.1 Well Completion Report Survey

Stantec submitted well completion report survey requests to the DWR and ACPWA for all well completion and well destruction reports for properties located within a 1/2 mile radius of the Site. The reports reviewed from the DWR did not identify any municipal or water supply wells within the 1/2 mile radius of the Site. Copies of the well completion and well destruction reports are provided in **Appendix A**. A summary of the wells within the surveyed area are presented in **Table 2** and shown on **Figure 3**.

4.1.2 GeoTracker's Well Information

Stantec obtained additional well information for the surveyed area from the SWRCB GeoTracker Website. Stantec included well information from those properties which have open cases with the SWRCB. Twelve properties within a 1/2 mile radius of the Site have open cases with groundwater monitoring programs. Two sites within 250 feet of the Site (Shell Station #13-5694 and GMC Truck Center) have GeoTracker open cases with reported petroleum releases. A summary of the wells within the surveyed area are presented in **Table 2** and shown on **Figure 3**.

4.1.3 Off Site Sensitive Receptor Search (Non-Residential)

Stantec purchased a listing of federal and state databases and environmental records for offsite receptors within a one-mile radius of the Site from Environmental Data Resources (EDR). Documentation of these search results are provided in a summary report **(Appendix B)**. The nearest sensitive receptor (Pathways Hospice) is located approximately 880 feet southwest of the Site. The EDR summary report (**Appendix B**) includes a complete listing and summary of the records searched, the search distance for each record searched, and a map of the search results. A summary of the offsite receptors from the EDR report that are located within the surveyed area is included in **Table 3** and shown on **Figure 3**.

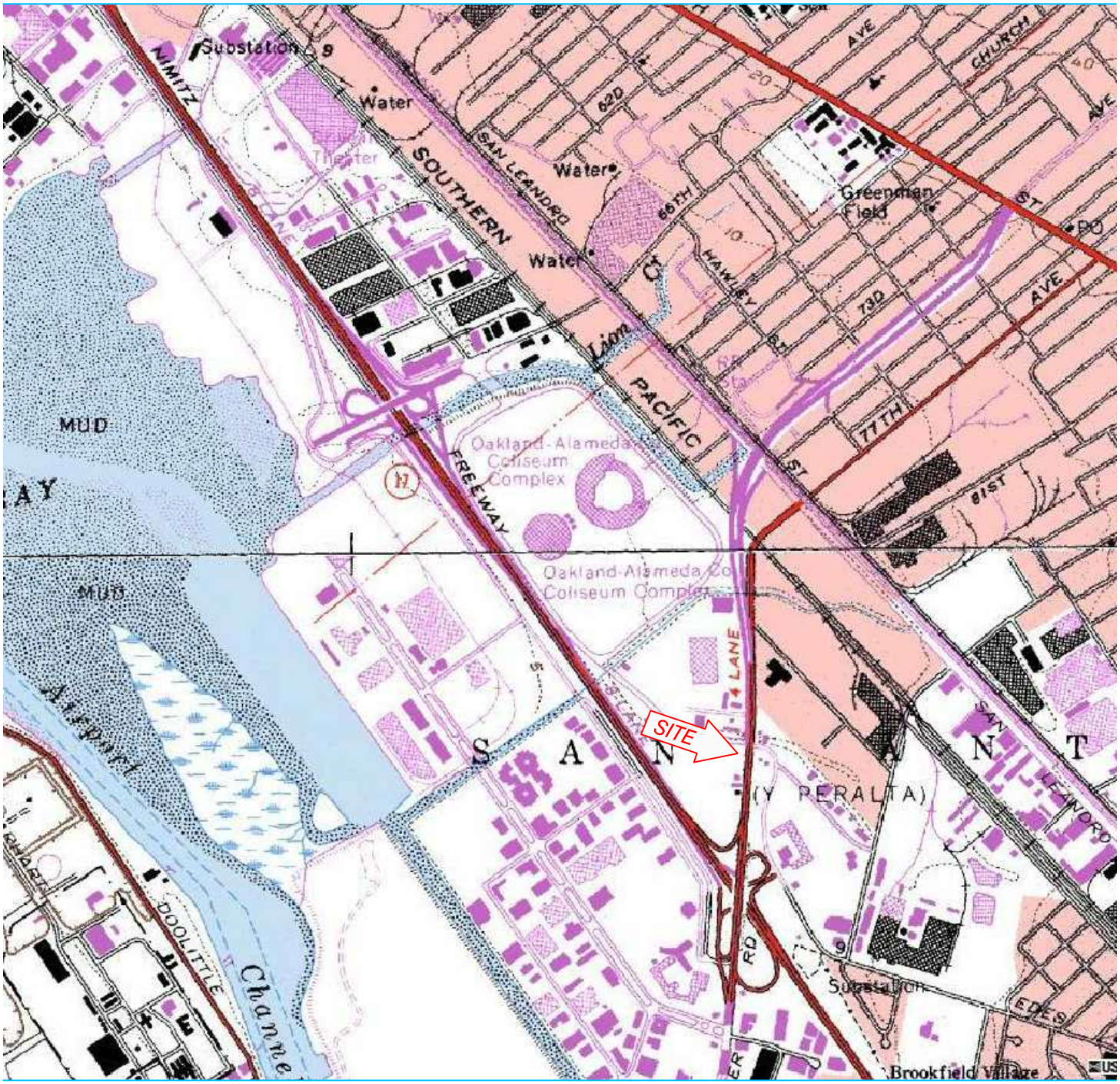
5.0 Conclusions

Based on the depth of identified utilities in the area of interest (up to approximately 8 feet bgs), and that first-encountered groundwater is documented to be between 13 to 18 feet bgs, Stantec concludes that utility lines at the Site have a very low potential to intercept impacted groundwater associated with the former Caltrans site.

There is the potential that the 4-inch low voltage line that runs adjacent to the west side of the former UST complex and the unknown conduit immediately south and northeast of the former UST complex may have encountered the petroleum hydrocarbon plume as it migrated through the vadose zone. However, with the subsurface lithology reported to be low permeability silty clay and clays down to 13 feet bgs, the probability of later migration of the plume through the vadose zone is low. This will be further evaluated during the proposed additional Site investigation, as presented in Stantec's Site Investigation Work Plan, being submitted under separate cover and simultaneously to ACEH with this Pathway Study.

Additionally, based on the distance of the closest down-gradient sensitive receptor (Pathways Hospice, approximately 880-feet southwest) and the industrial/commercial neighborhood of the Site, Stantec believes there is a low likelihood of a material threat or release to sensitive receptors located within a 1/2 mile radius of the Site.

FIGURES



1 1/2 0 1

SCALE (MILES)

1000 0 1000 2000 3000 4000 5000 6000 7000

SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE, OAKLAND, CALIFORNIA

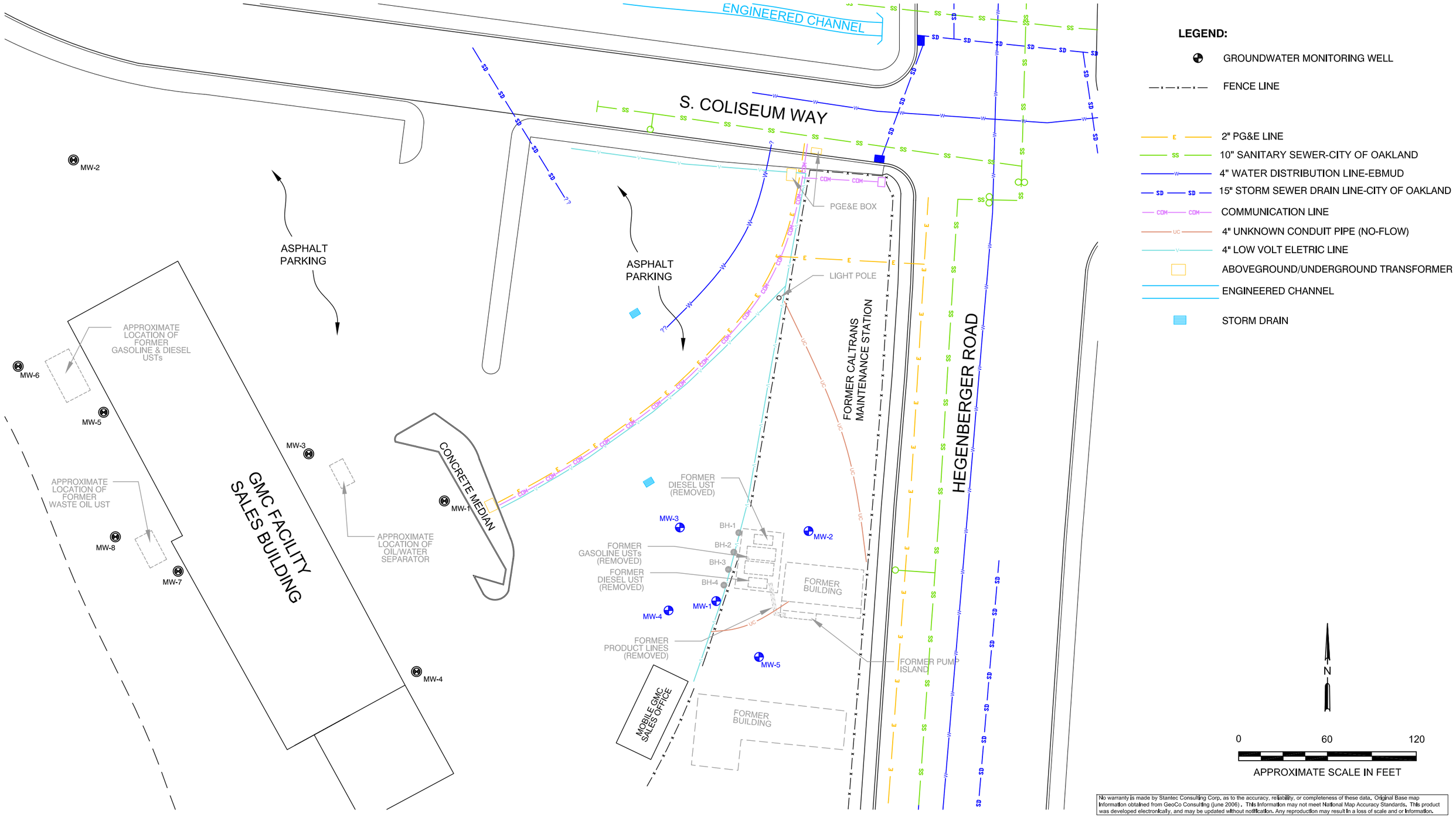
Stantec
15575 LOS GATOS BOULEVARD BLD-C
LOS GATOS, CALIFORNIA
PHONE (408) 356-6124/356-6138 (FAX)

FOR:
FORMER HEGENBERGER
MAINTENANCE STATION
555 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

SITE LOCATION MAP

FIGURE: **1**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702413	MDR	AF	--	10/13/11



Stantec
15575 LOS GATOS BOULEVARD BLD-C
LOS GATOS, CALIFORNIA
PHONE (408) 356-6124/356-6138 (FAX)

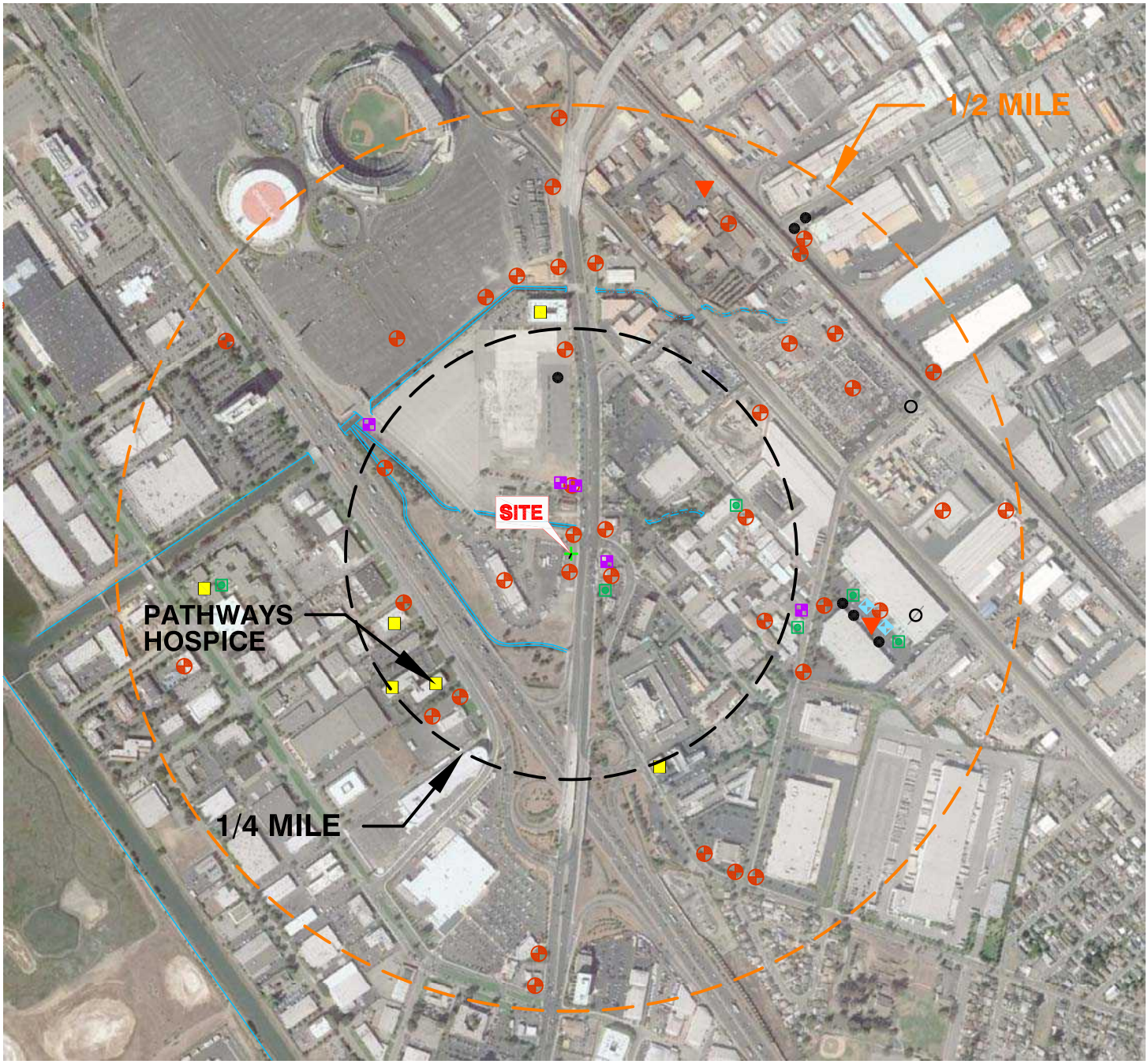
FOR:
FORMER HEGENBERGER MAINTENANCE STATION
555 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

SUBSURFACE UTILITY MAP

FIGURE: 2

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702413	MDR	AF		10/13/11

FILEPATH:M:_00 OTHER OFFICES\06-LOS GATOS\CAL-TRANS\OAKLAND\HEGENBERGER\FIG-2 SITE PLAN.dwg | Layout Tab: FIG-3 Site-utility | Drafter: miramirez | Dec 20, 2011 at 11:21



0 1/4 1/2 MILE

SCALE

North

CALIFORNIA

½ MILE RADIUS

- SITES WITH GROUNDWATER MONITORING WELLS
- SITES WITH IRRIGATION WELLS
- SITES WITH EXTRACTION WELLS
- SITES WITH RECOVERY WELLS
- SITES WITH PIEZOMETERS
- SITES WITH TEST WELLS
- SENSITIVE RECPTOR LOCATION
- SITES WITH INDUSTRIAL WELLS
- SITES WITH GEO TECH WELLS
- SITES WITH DESTROYED WELLS
- UNDERGROUND CULVERT & STORM DRAIN
- ENGINEERED CHANNEL

REFERENCE: GOOGLE EARTH OAKLAND, CALIFORNIA

Stantec

FOR:
FORMER HEGENBERGER
MAINTENANCE STATION
555 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

1/2 MILE RADIUS
SENSITIVE RECEPTOR SURVEY

FIGURE: **3**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185702413	MDR	AF	--	11/29/11

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TABLES

TABLE 1
Historic and Current Groundwater Elevations
Caltrans Former Hegenberger Maintenance Station
555 Hegenberger Road
Oakland, CA

Sample ID	Well Screen Interval (feet)	Date	TOC Elevation (feet, msl)	DTW (feet)	GW Elevation (feet, msl)
MW-1	4.5-19.5	10/11/95	99.73	6.55	93.18
		01/17/96	99.73	5.64	94.09
		04/16/96	99.73	5.46	94.27
		08/26/96	99.73	5.91	93.82
		11/14/96	99.73	6.16	93.57
		02/18/98	99.73	3.82	95.91
		03/30/01	99.73	6.19	93.54
		***12/26/01	10.26	4.08	6.18
		09/30/02	10.26	5.79	4.47
		02/20/03	10.26	4.49	5.77
		01/12/04	10.26	4.41	5.85
		05/12/05	10.26	4.45	5.81
		09/29/11	10.26	5.57	4.69
MW-2	5-20	10/11/95	99.68	6.88	92.80
		01/17/96	99.68	5.32	94.36
		04/16/96	99.68	5.81	93.87
		08/26/96	99.68	5.98	93.70
		11/14/96	99.68	6.72	92.96
		02/18/98	99.68	5.01	94.67
		03/30/01	99.68	6.54	93.14
		***12/26/01	10.22	5.53	4.69
		09/30/02	10.22	6.48	3.74
		02/20/03	10.22	5.98	4.24
		01/12/04	10.22	5.69	4.53
		05/12/05	10.22	5.55	4.67
		09/29/11	10.22	6.21	4.01
MW-3	4.5-19.5	10/11/95	98.92	6.42	92.50
		01/17/96	98.92	5.82	93.10
		04/16/96	98.92	5.85	93.07
		08/26/96	98.92	5.72	93.20
		11/14/96	98.92	6.28	92.64
		02/18/98	98.92	4.65	94.27
		03/30/01	98.92	5.62	93.30
		***12/26/01	9.46	4.66	4.80
		09/30/02	9.46	5.84	3.62
		02/20/03	9.46	5.55	3.91
		01/12/04	9.46	4.77	4.69
		05/12/05	9.46	4.63	4.83
		09/29/11	9.46	5.50	3.96
MW-4	4-19	10/11/95	99.46	6.63	92.83
		01/17/96	99.46	5.77	93.69
		04/16/96	99.46	5.89	93.57
		08/26/96	99.46	6.14	93.32
		11/14/96	99.46	6.72	92.74
		02/18/98	99.46	5.02	94.44

TABLE 1
Historic and Current Groundwater Elevations
Caltrans Former Hegenberger Maintenance Station
555 Hegenberger Road
Oakland, CA

Sample ID	Well Screen Interval (feet)	Date	TOC Elevation (feet, msl)	DTW (feet)	GW Elevation (feet, msl)
MW-4 (cont.)		03/30/01	99.46	6.21	93.25
		***12/26/01	10.00	5.37	4.63
		09/30/02	10.00	6.40	3.60
		02/20/03	10.00	5.83	4.17
		01/12/04	10.00	5.41	4.59
		05/12/05	10.00	5.59	4.41
		09/29/11	10.00	6.23	3.77
MW-5	5-20	10/11/95	99.91	6.68	93.23
		01/17/96	99.91	5.74	94.17
		04/16/96	99.91	5.85	94.06
		08/26/96	99.91	5.99	93.92
		11/14/96	99.91	6.70	93.21
		02/18/98	99.91	5.74	94.17
		03/30/01	99.91	6.73	93.18
		***12/26/01	10.34	5.23	5.11
		09/30/02	10.34	6.18	4.16
		02/20/03	10.34	5.80	4.54
		01/12/04	10.34	5.60	4.74
		05/12/05	10.34	6.18	4.16
		09/29/11	10.34	6.37	3.97

Notes
Data prior to September 29, 2011 was provided by Geocon Consultants, Inc.
TOC = Top of Casing
DTW = Depth to groundwater
GW = groundwater
msl = mean sea level
***Change of base reference for elevation above mean sea level to the California State Coordinate system, Zone III

TABLE 2
Summary of Wells within a 1/2 Mile Radius of the Site
Caltrans Former Hegenberger Maintenance Station
555 Hegenberger Road
Oakland, CA

SITE NAME	WELL TYPE	ADDRESS	APPROXIMATE DISTANCE FROM SITE (FEET)
SHELL #13-5694	Groundwater Monitoring Well	540 HEGENBERGER	240
GMC TRUCK CENTER	Groundwater Monitoring Well	8099 COLISEUM WAY	170
MALIBU GRAND PRIX	Groundwater Monitoring Well	8000 COLISEUM	1,245
RAN ROB TOOL & DIE	Groundwater Monitoring Well	631 85TH AVENUE	1,448
MOOSE LODGE #324	Groundwater Monitoring Well	690 HEGENBERGER RD.	1,826
SF OAKLAND AUTO TRUCK	Groundwater Monitoring Well	8255 SAN LEANDRO	2,302
AMERICAN BRASS & IRON FOUNDRY	Groundwater Monitoring Well	7825 SAN LEANDRO	2,550
ELMHURST BUSINESS PARK	Groundwater Monitoring Well	SAN LEANDRO ST & 85TH AVE	2,415
EDGEWATER CORP CENTER	Groundwater Monitoring Well	700 EDGEWATER DR	2,253
IMO INDUSTRIES INC.	Groundwater Monitoring Well	550 85TH AVENUE	2,025
FORMER CHEVRON STATION #9-1851	Groundwater Monitoring Well	451 HEGENBERGER	2,400
Unocal #5043 MW-2	Groundwater Monitoring Well	449 Hegenberger	2,638
Unocal #5043 MW-3	Groundwater Monitoring Well	449 Hegenberger	2,638
Unocal Corporation	Groundwater Monitoring Well	449 Hegenberger Road	2,638
Unocal Corporation	Groundwater Monitoring Well	449 Hegenberger Road	2,638
Unocal Corporation	Groundwater Monitoring Well	449 Hegenberger Road	2,638
Unocal Corporation	Groundwater Monitoring Well	449 Hegenberger Rd	2,638
Unocal Corporation	Groundwater Monitoring Well	449 Hegenberger Rd	2,638
IMO DELAVAL	Groundwater Monitoring Well	550 85TH AVENUE	1,889
IMO DELAVAL	Groundwater Monitoring Well	550 85TH AVE	1,889
IMO DELAVAL	Groundwater Monitoring Well	550 85TH AVE	1,889
IMO DELAVAL	Groundwater Monitoring Well	550 85TH AVE	1,889
IMO DELAVAL	Groundwater Monitoring Well	550 85TH AVE	1,889
Unknown	Groundwater Monitoring Well	550 85th Ave	1,889
Unknown	Groundwater Monitoring Well	8707 San Leandro St	2,369
AMER. BRASS&IRON FOUNDRY	Industrial Well	7825 SAN LEANDRO ST	2,540
DELAVAL TURBINE INC.	Industrial Well	550 85TH AV	1,889
TRANSAMERICA DELAVAL	Industrial Well	550 85TH AVE	1,889
Mother's Cake & Cookie Co	Test Well	810 81ST AVE	2,631
Mother's Cake & Cookie Co	Test Well	810 81ST AVE	2,631
Oakland Intntnl Trade Ctr	Test Well	633 Hegenberger	1,109
Oakland Intntnl Trade Ctr	Test Well	633 Hegenberger	1,109
Oakland Intntnl Trade Ctr	Test Well	633 Hegenberger	1,109
Oakland Intntnl Trade Ctr	Test Well	633 Hegenberger	1,109
IMO DELAVAL	Test Well	550 85TH AVE	1,889

TABLE 2
Summary of Wells within a 1/2 Mile Radius of the Site
Caltrans Former Hegenberger Maintenance Station
555 Hegenberger Road
Oakland, CA

SITE NAME	WELL TYPE	ADDRESS	APPROXIMATE DISTANCE FROM SITE (FEET)
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL	Test Well	550 85TH AVE	1,889
IMO DELAVAL INC.	Test Well	550 85TH AVE.	1,889
Malibu Grand Prix	Geotech	8000 S.Coliseum Way	1,680
MGC Construction	Geotech	Collins & Hegenberger	598
MGC Construction Company	Geotech	Collins & Hegenberger	568
West Coast Wire Rope	Geotech	597 85th Ave	1,361
ARCO MW-2	Abandoned / Destroyed	566 Hegenberger Road	492
IMO DELAVAL	Abandoned / Destroyed	550 85TH AVENUE	1,839
IMO DELAVAL	Abandoned / Destroyed	550 85TH AVENUE	1,839
IMO DELAVAL	Abandoned / Destroyed	550 85TH AVENUE	1,839
IMO DELAVAL	Abandoned / Destroyed	550 85TH AVENUE	1,839
IMO DELAVAL	Abandoned / Destroyed	550 85TH AVENUE	1,839
IMO Industries MW-18	Abandoned / Destroyed	550 85th Ave.	1,839
IMO Industries MW-21	Abandoned / Destroyed	550 85th Ave.	1,839
TRANSAMERICA DELAVAL	Abandoned / Destroyed	550 85TH AVE	1,839
IMO Industries MW-27	Abandoned / Destroyed	550 85th Ave.	1,839
IMO Industries MW-29	Abandoned / Destroyed	550 85th Ave.	1,839
IMO Industries MW-30	Abandoned / Destroyed	550 85th Ave.	1,839
IMO Industries MW-32	Abandoned / Destroyed	550 85th Ave.	1,839
IMO Industries MW-31	Abandoned / Destroyed	550 85th Ave.	1,839
LINCOLN PROPERTY CO	Abandoned / Destroyed	85TH AVE & SAN LEANDRO ST	2,434
LINCOLN PROPERTY CO	Abandoned / Destroyed	85TH AVE & SAN LEANDRO ST	2,434

TABLE 2
Summary of Wells within a 1/2 Mile Radius of the Site
Caltrans Former Hegenberger Maintenance Station
555 Hegenberger Road
Oakland, CA

SITE NAME	WELL TYPE	ADDRESS	APPROXIMATE DISTANCE FROM SITE (FEET)
LINCOLN PROPERTY CO	Abandoned / Destroyed	85TH AVE & SAN LEANDRO ST	2,434
Traveler's Companies	Extraction Well	7700 Edgewater Dr	1,986
Dwyer Properties B-1	Extraction Well	8401 Baldwin St	1,194
MGC Construction	Extraction Well	Collins & Hegenberger	568
Stephen Block EW-1	Extraction Well	631 85th Ave	1,407
IMO DELAVAL INC	Extraction Well	550 85TH AVE	1,839
IMO DELAVAL INC.	Extraction Well	550 85TH AVE	1,839
IMO DELAVAL INC.	Recovery Well	550 85TH AVE	1,839
IMO DELAVAL INC.	Recovery Well	550 85TH AVE	1,839

Table 3

Summary of Offsite Sensitive Receptors within a 1/2 mile Radius of the Site
Former Caltrans Hegenberger Maintenance Station
555 Hegenberger Road,
Oakland, California

Site Name	Sensitive Receptor Type	Address	Approximate Distance to Site (Feet)
Pathways Hospice	Lab/ Hospital	7901 Oakport St, Suite 3500	880
Midpeninsula Hospice	Lab/ Hospital	7901 Oakport St, Suite 3500	880
US Healthworks	Lab/ Hospital	7817 Oakport St	1,057
NAVCARE 2	Lab/ Hospital	8450 Edes Ave	1,202
Oakcare Medical Group, Inc	Lab/ Hospital	675 Hegenberger Rd, Suite 123	1,670
Health Service Solution	Lab/ Hospital	7700 Edgewater Dr, Suite 803	1,974

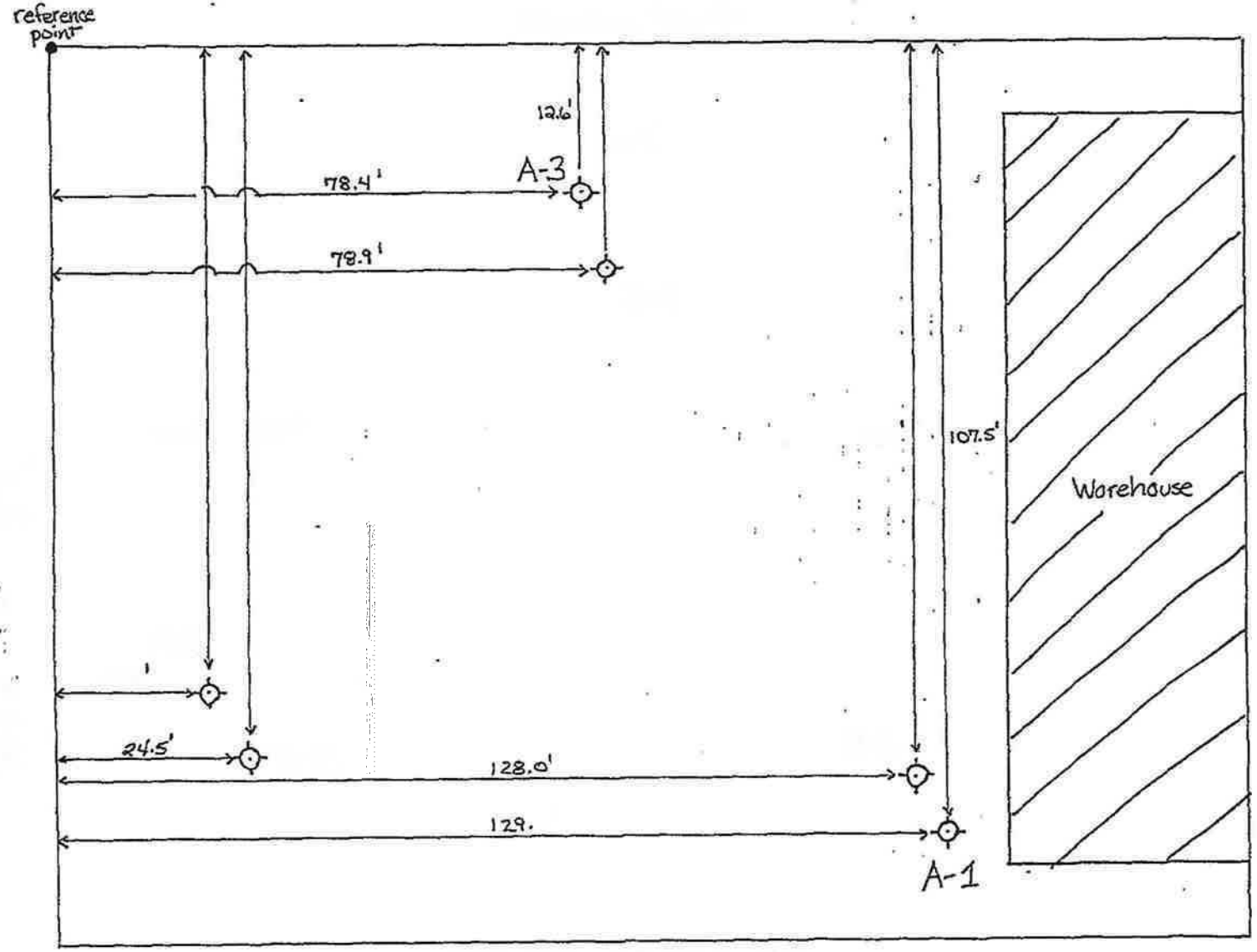
APPENDIX A

WELL COMPLETION REPORTS

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED


reference point
12.6'
A-3
78.4'
78.9'
107.5'
Warehouse
1'
24.5'
128.0'
129.
A-1

483681E

Corporal

1

JOB NO.	PAGE
	BORE HOLE NO.
PROJECT	LOCATION
DRILLING CONTRACTOR	
ENGINEER/GEOLOGIST	DRILLER
DATE START/TIME	DATE FINISH/TIME 1/1
SURFACE ELEVATION	TOTAL DEPTH
SCREEN TYPE	LENGTH
SLOT	

GROUND WATER

DATE	TIME	DEPTH	WEATHER
	1630	9.39 feet	

GROUND WATER

DATE	TIME	DEPTH	WEATHER

REMARKS

BORE HOLE LOG

GRAPHIC LOG

5

25/3W16Q5
483681E

JOB NO.

LOCATION

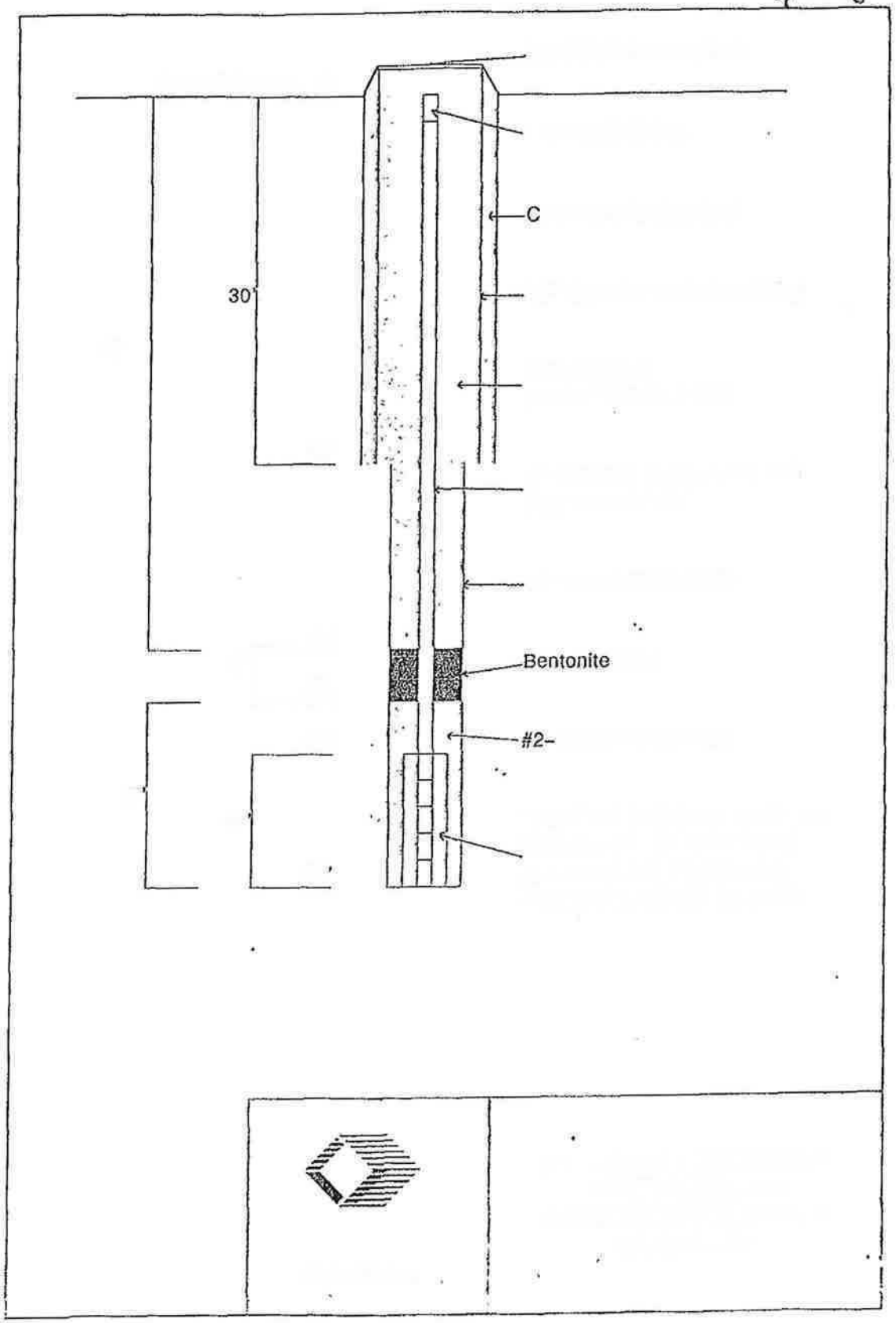
BORE HOLE LOG

DEPT

GRAPHIC LOG

drilled by hollow stem auger
31.5' (1/15/91 1455)
over-dri ed by mud rotary
12"- teel casing i lled
30' (1/15-1/16
auger dril
(1/17/91)

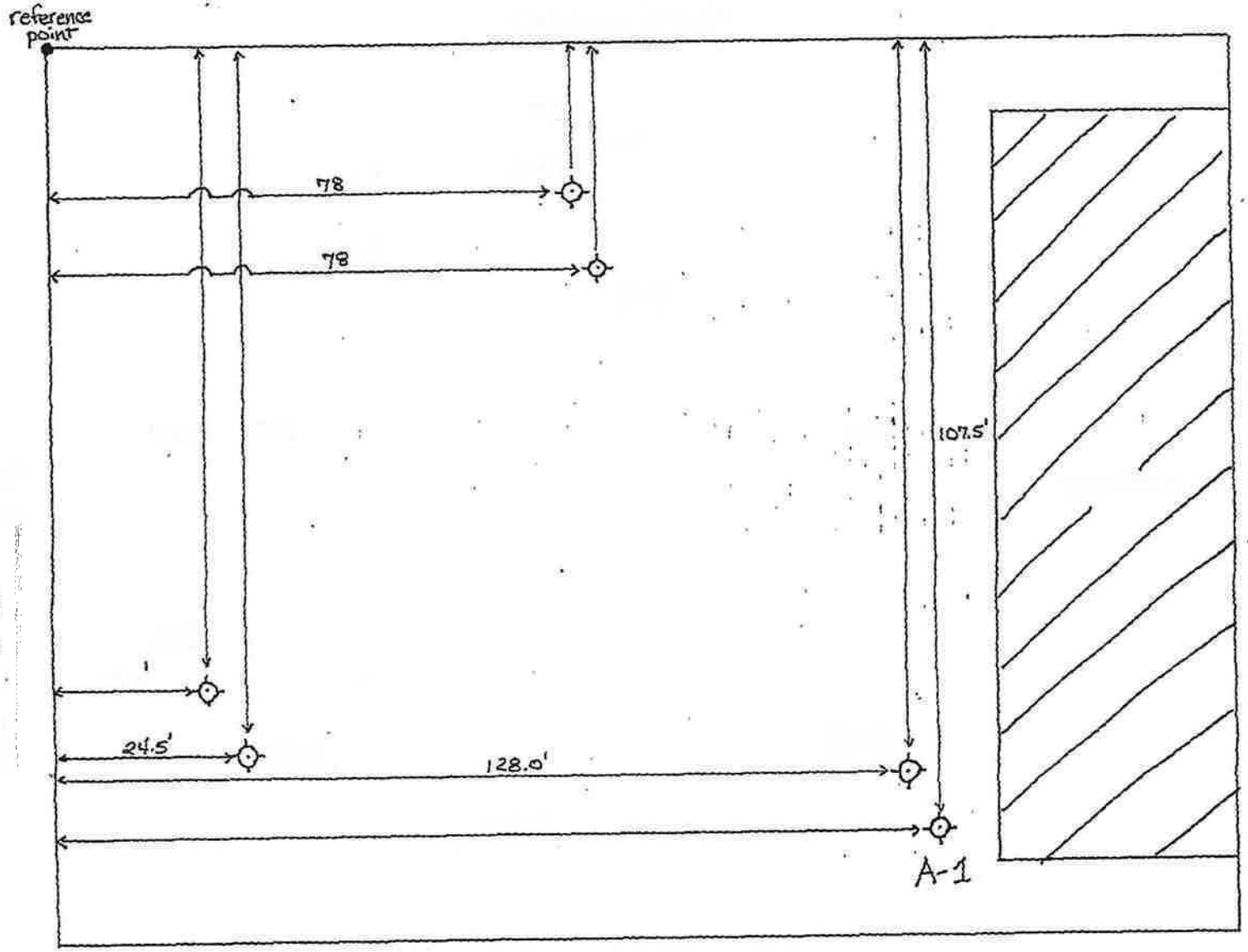
XX XX
XX
XX XX
XX XX


C
30'
Bentonite
#2-

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED


reference point
78
78
1
24.5'
128.0'
107.5'
A-1

F

JOB NO.

BORE HOLE NO.

O pora

OJECT

LOCATION

ILLING CONTRACTOR
L

HYDROGEOLOGIST

DRILLER

DATE START/TIME

DATE FINISH/TIME
1/21

SURFACE ELEVATION

TOTAL DEPTH

GROUND

GROUND WATER

DATE		DEPTH	WEATHER
1/22/91		9.52 feet	

DATE		DEPTH	WEATHER

BORE HOLE LOG

RE

GRAPHIC LOG

ML

5

CC

3

3425 W

Sa:

9

JOB NO.

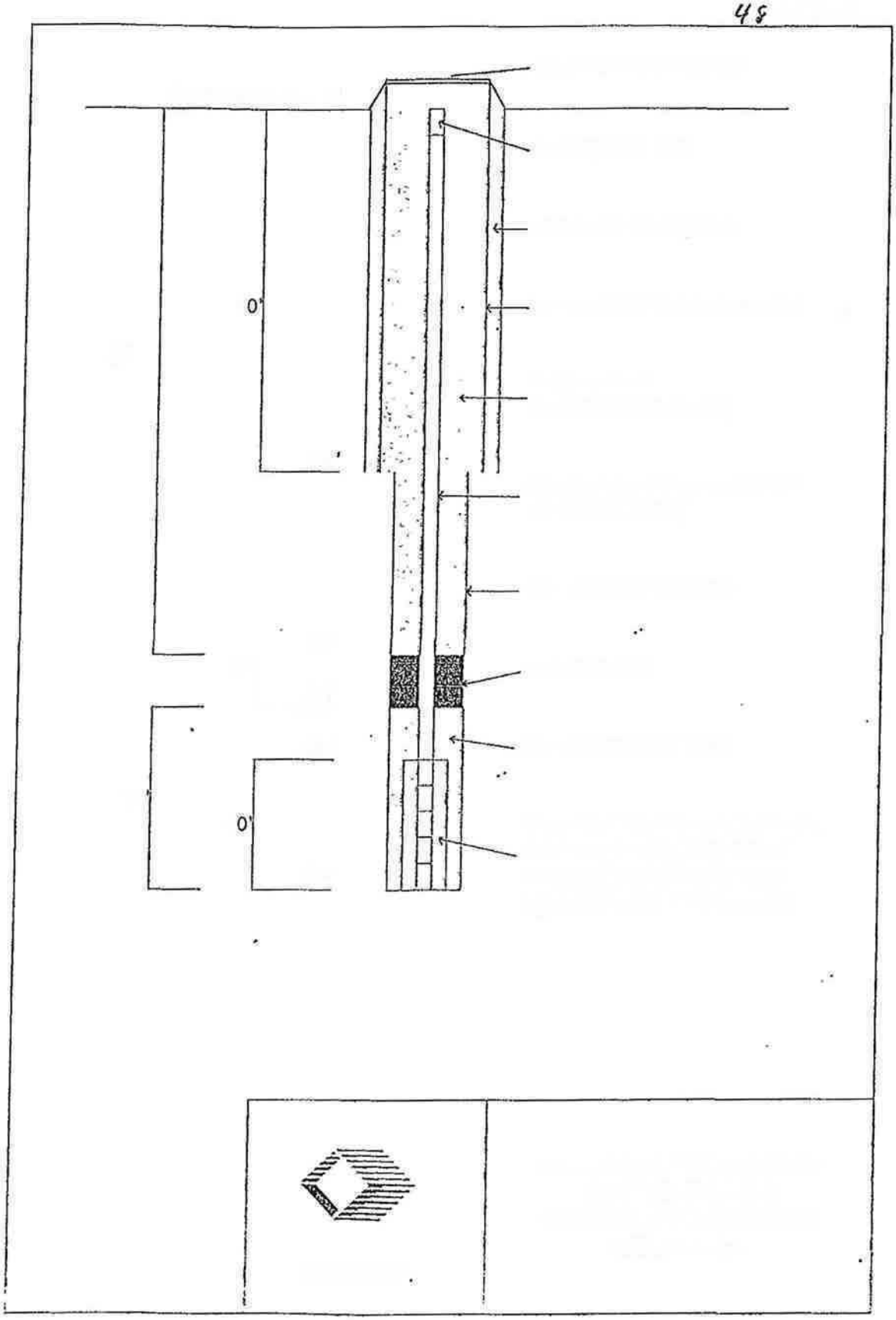
BORE HOLE NO. 48 F

PROJECT

LOCATION

BORE HOLE LOG

DEPT		RE			GRAPHIC LOG
				drilled by hollow stem auger t 32' (1/15/91 1115) over-drilled by mud rotary 12"-steel ing installed 0 to ' (1/15-1/16) hollow drill 1/91)	
			- sand, brown 5/4), gravel, approx. 20% lay and ilt		
		9	CL/ML		
		8/			
			-		
				hydrocarbon odor ID (boreho	XX XX XX XX XX XX XX XX XX XX
			ML/CL -		XXXXXXXX
			Well Construction 5.6"-diam. Pre-Pac Well Screen (dual 0.010" slotted casing w/#2- 4"-diam. Sched 40 PVC blank casing #2-12 grade sand filter pack bentonite pellet seal 5% bentonite/95% cement grout 12"-diameter steel casing		


0'
0'

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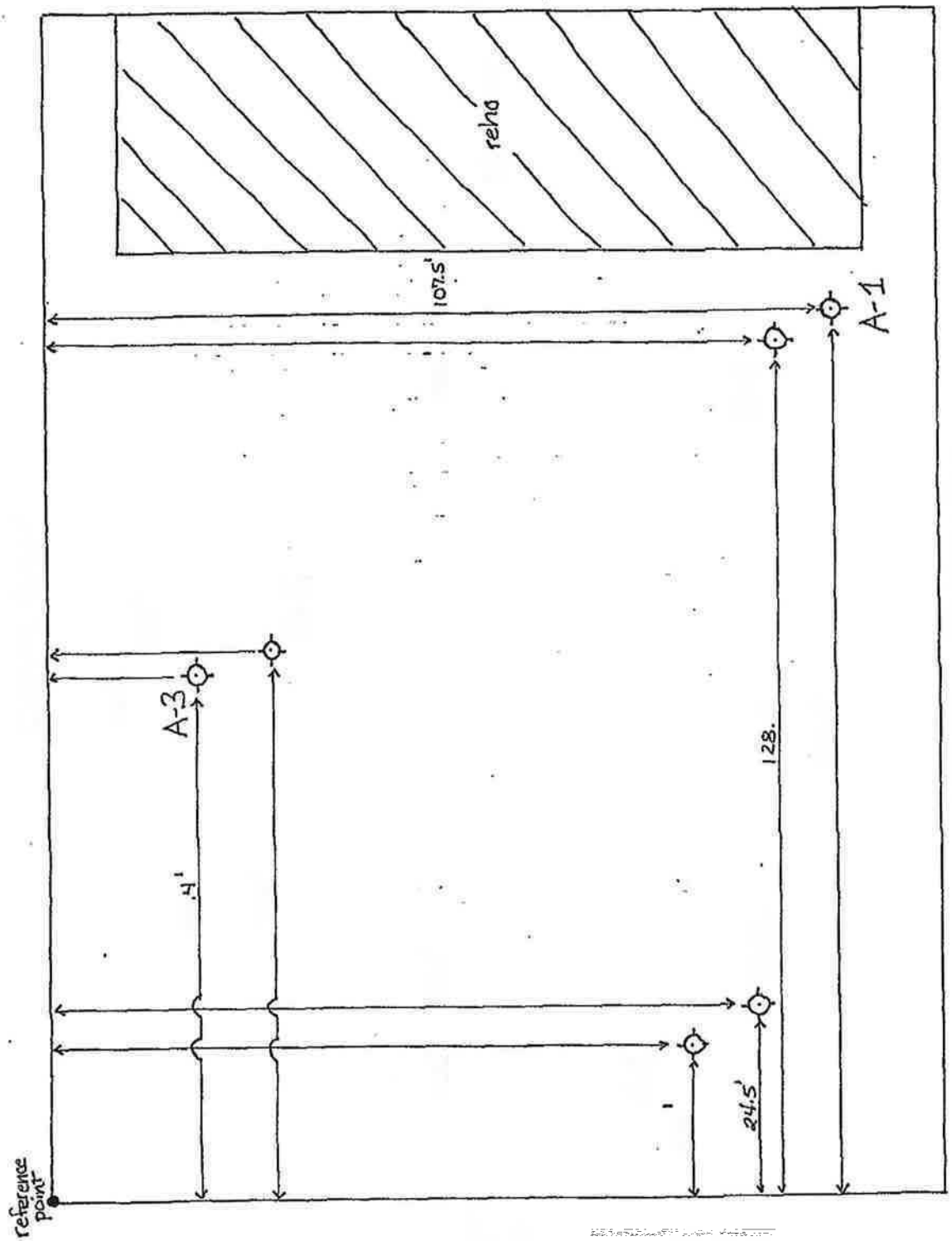
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

25/3W 16Q1-6

483681 [redacted]



25/3 16Q24
4836 1D

OHM Corpora

PAGE

PROJECT

LOCATION

DRILLING CONTRACTOR
L

DRILLING EQUIPMENT
Hol

HYDROGEOLOGIST

DRILLER

DATE START/TIME	DATE FINISH/TIME	SURFACE ELEVATION	TOTAL DEPTH
	1		
	SCREEN TYPE	LENGTH	SLOT

GROUND WATER

DATE	TIME	DEPTH	WEATHER
1/22/91	1630		

GROUND WATER

DATE			WEATHER

REMARKS

BORE HOLE LOG

R		GRAPHIC
5		
	GP - sandy gravel, dark yellowish brown (10YR 4/4), pebb	
	ML	

Boulevard Su Sacr Calif 95834 916-928-1819

25/13W
483681D

JOB NO.

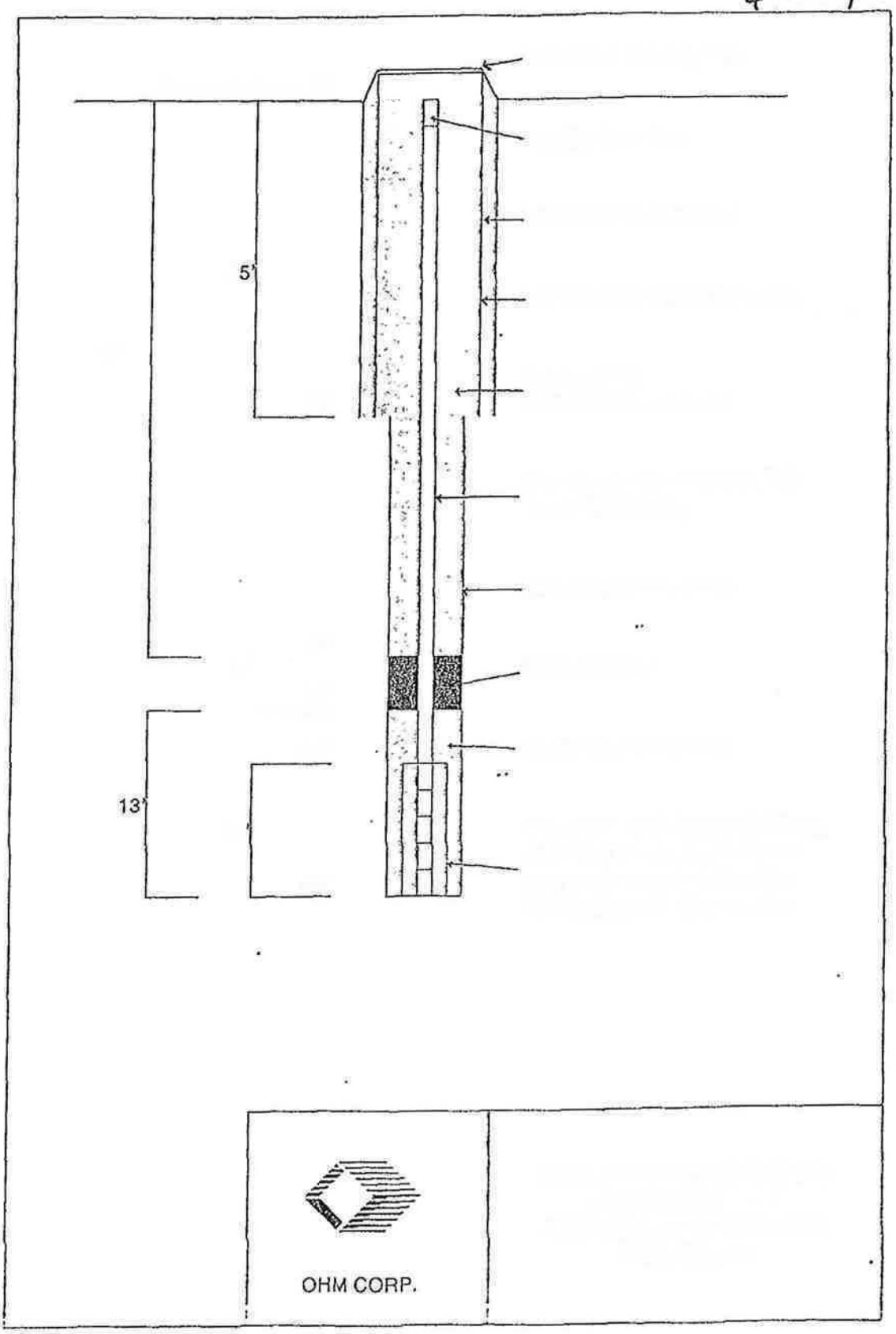
PROJECT

LOCATION

BORE HOLE LOG

DEPTH					GRAPHIC LOG
				drilled by hollow stem auger 32.5' (1/14/91 1145) -drilled mud rotary l casi installed 25' (15-1/16) drilli 7/91)	
		7/12/1			
			- f brown, t .. SM - il , sorted, trace gravel		

4 1



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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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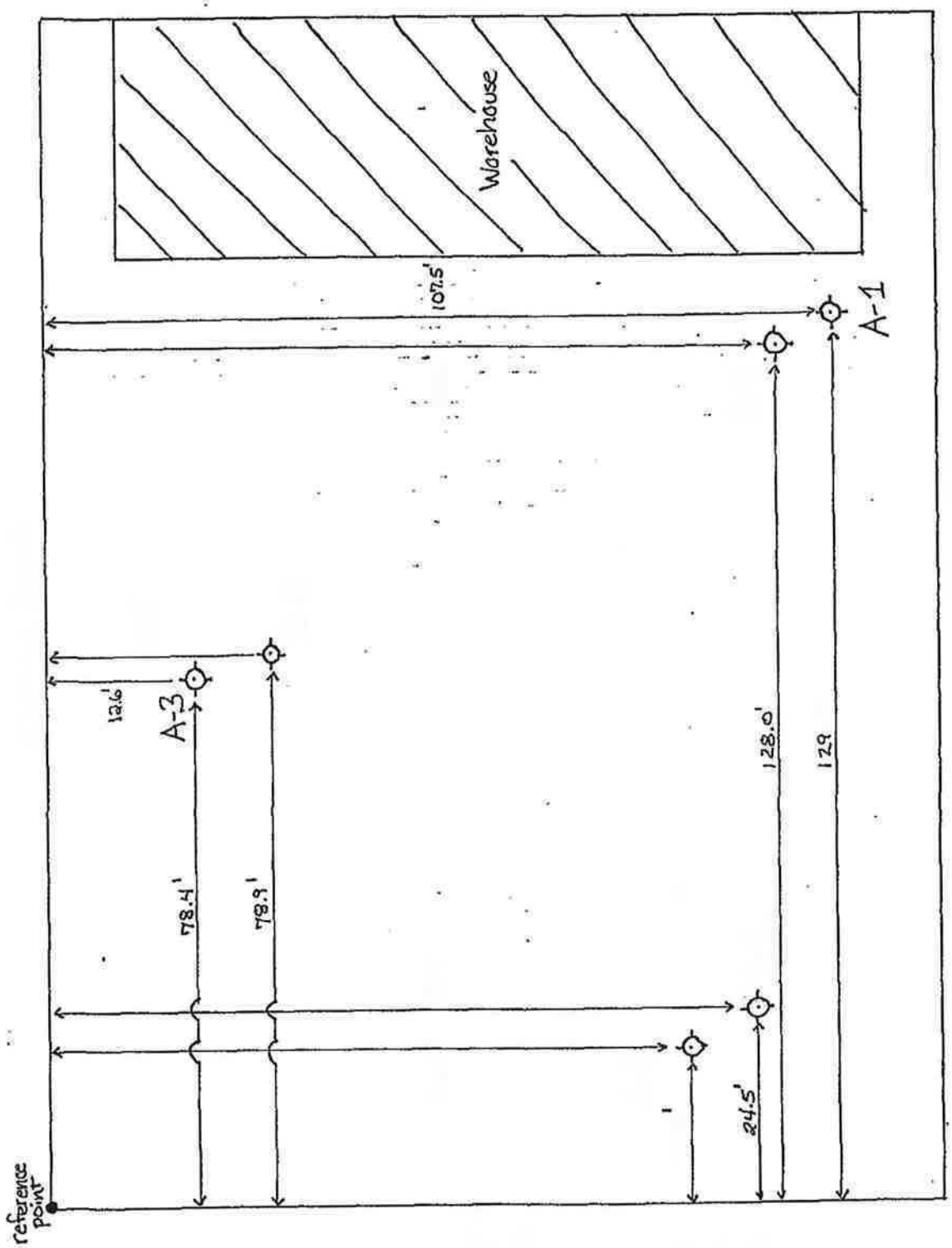
25/3W 16Q1-6

483681 [redacted] C



4836

Corpora

JOB NO.

BORE HOLE NO.

PROJECT

LOCATION

DRILLING CONTRACTOR

DRILLER

DATE START/TIME

DATE FINISH/TIME

SURFACE ELEVATION

TOTAL DEPTH

WELL CASING

LENGTH

GROUND WATER

DATE	TIME	DEPTH	WEATHER
12/28/90	1200	8.6 feet	clear

GROUND WATER

DATE			WEATHER

REMARKS

BORE HOLE LOG

GRAPHIC LOG

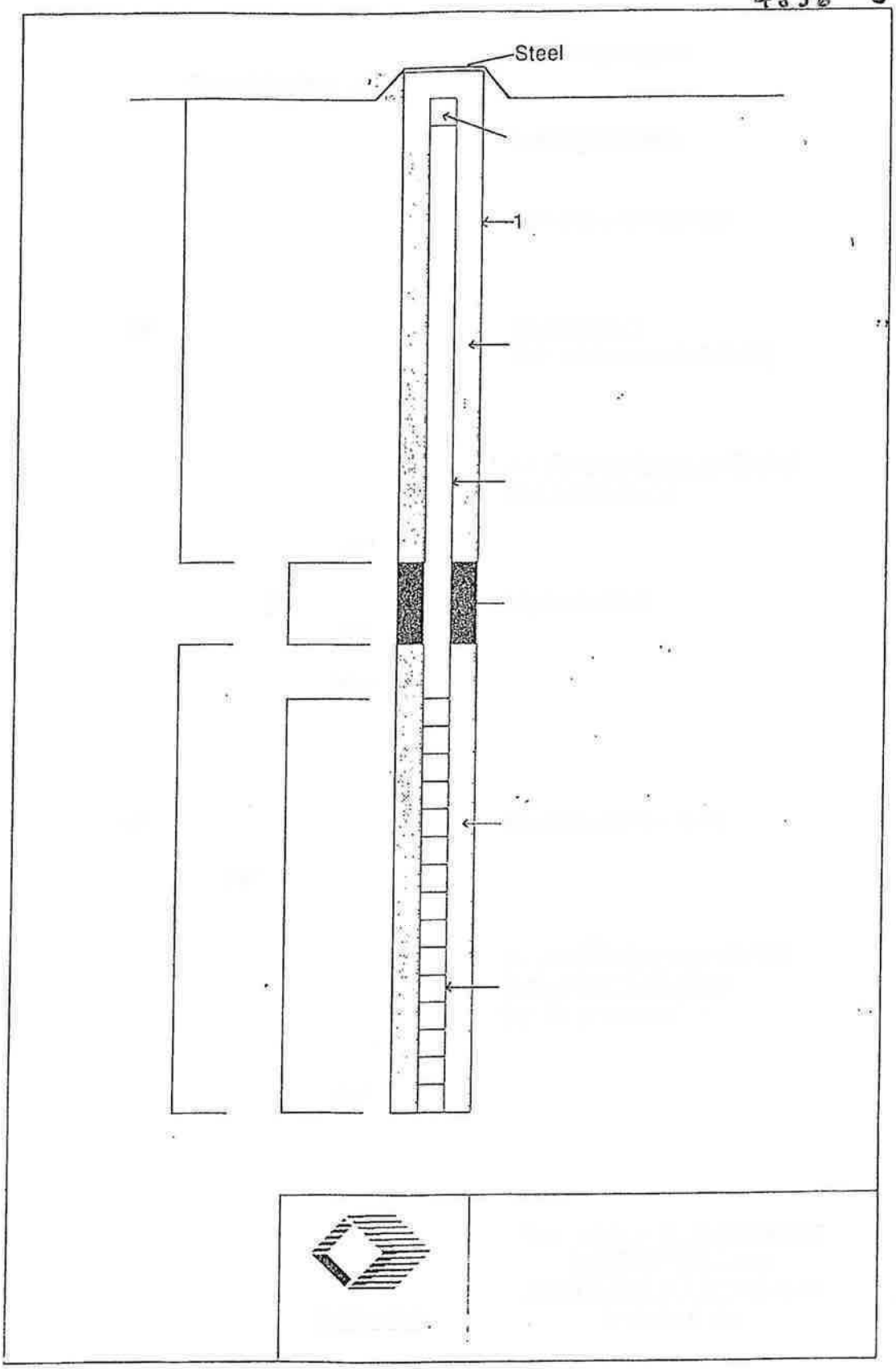
sandy
(10YR

XX
XX
XX
XX

XXXXXXXX
XXXXXXXX
XXXXXXXX
XXXXXXXX

1425 W. [illegible] Ave. [illegible] Sacramento California 95834 916-928-[illegible]

4836 C



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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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STATE OF CALIFORNIA DWR
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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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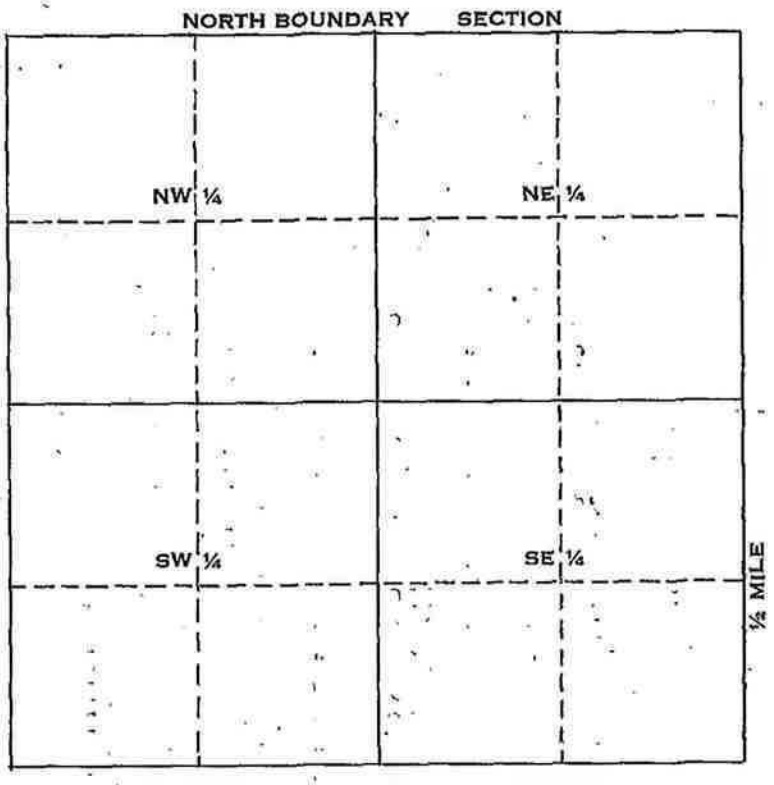
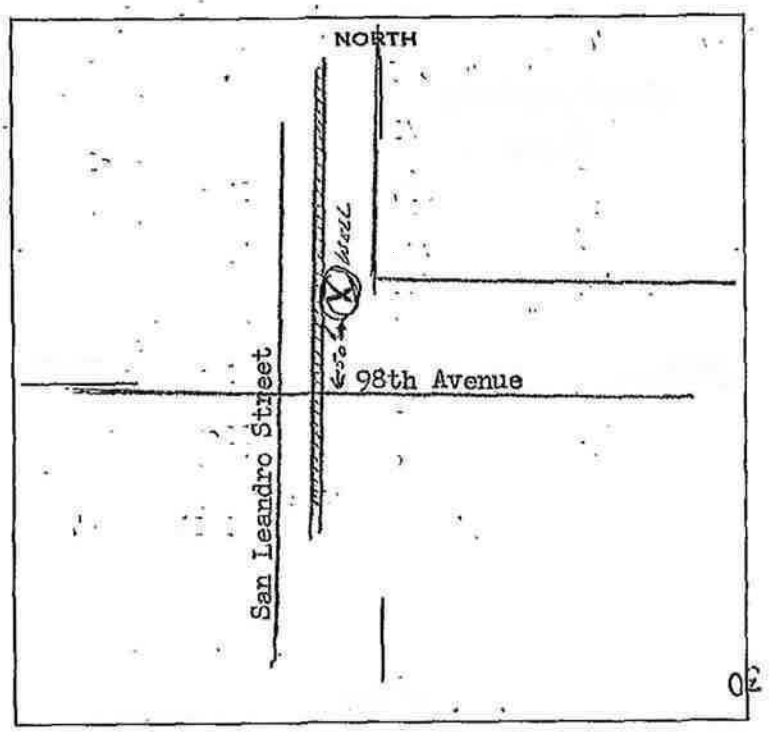
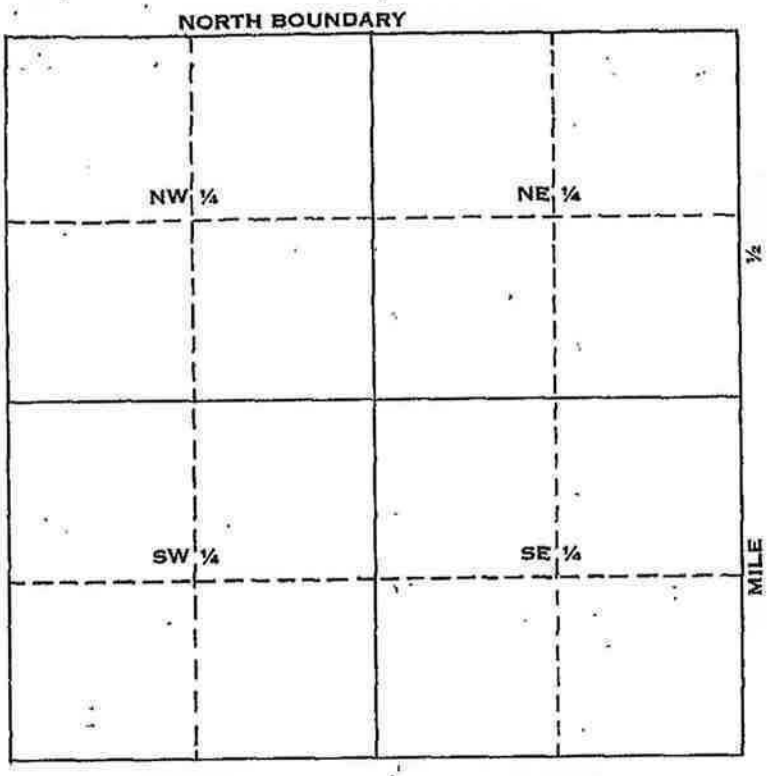
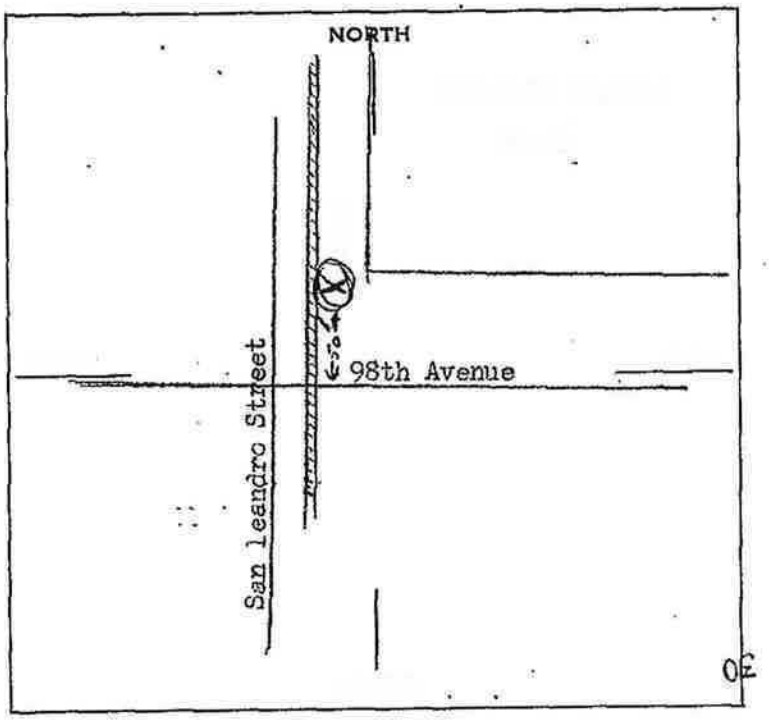

NORTH BOUNDARY SECTION
NW ¼
NE ¼
SW ¼
SE ¼
½ MILE

E/W


NORTH
98th Avenue
San Leandro Street


NORTH BOUNDARY
NW ¼
NE ¼
SW ¼
SE ¼
½
MILE

No._____


NORTH
98th Avenue
San Leandro Street

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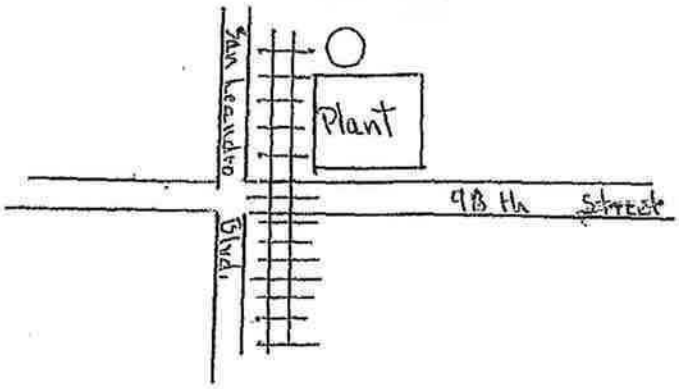
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

2d

unty Alameda



by M. Peyton 10/28 1957

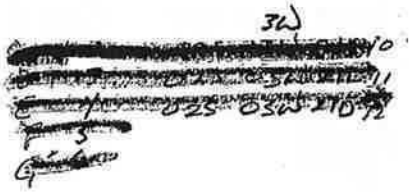
check to pure 21D80- correct

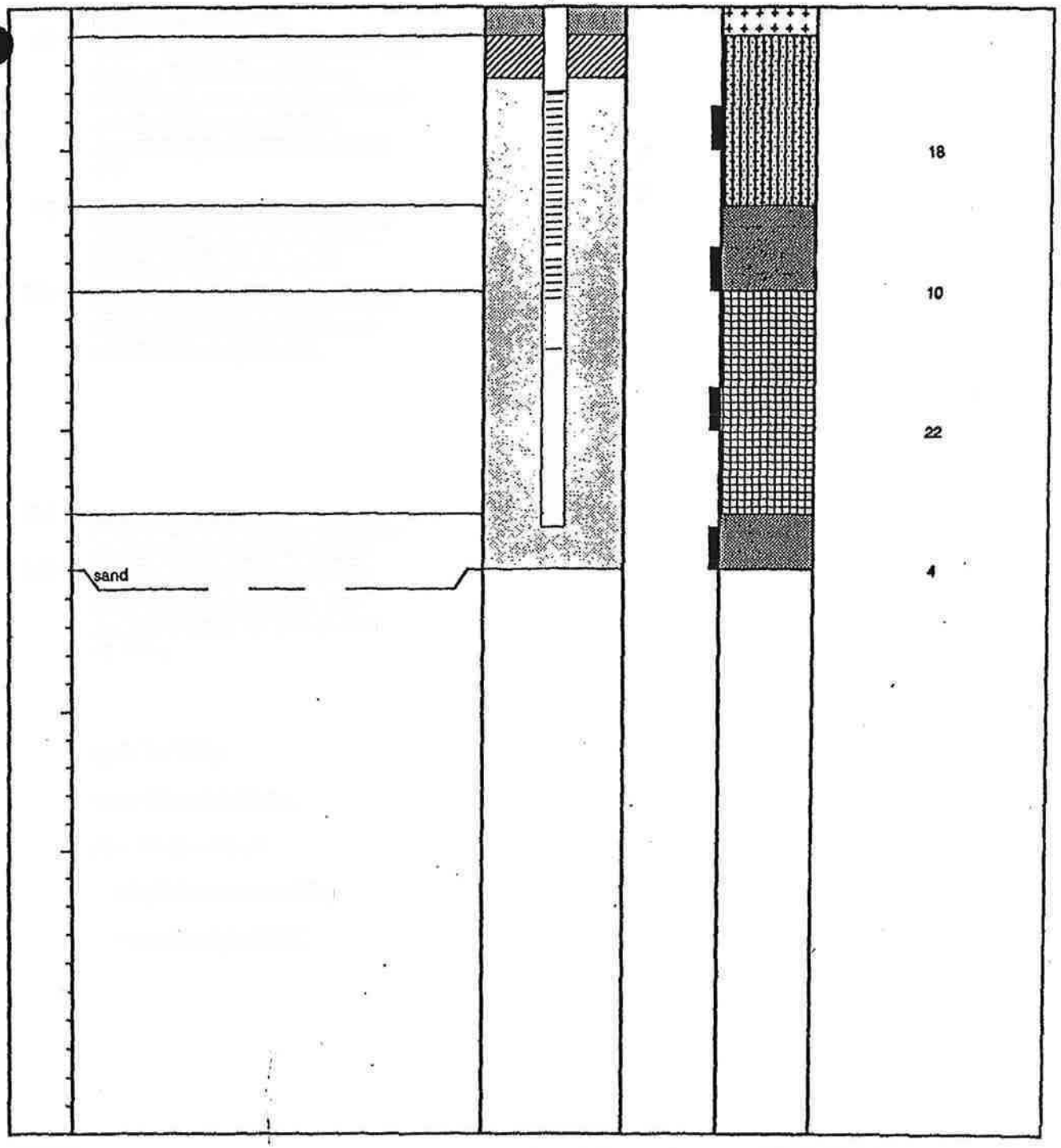
destroyed
Mobile B-53 drill rig. The casing was measured
open hole was reamed using 10-inch hollow
surface. The boring was then grouted ground
cement and 5% bentonite powder mixture.

r

-

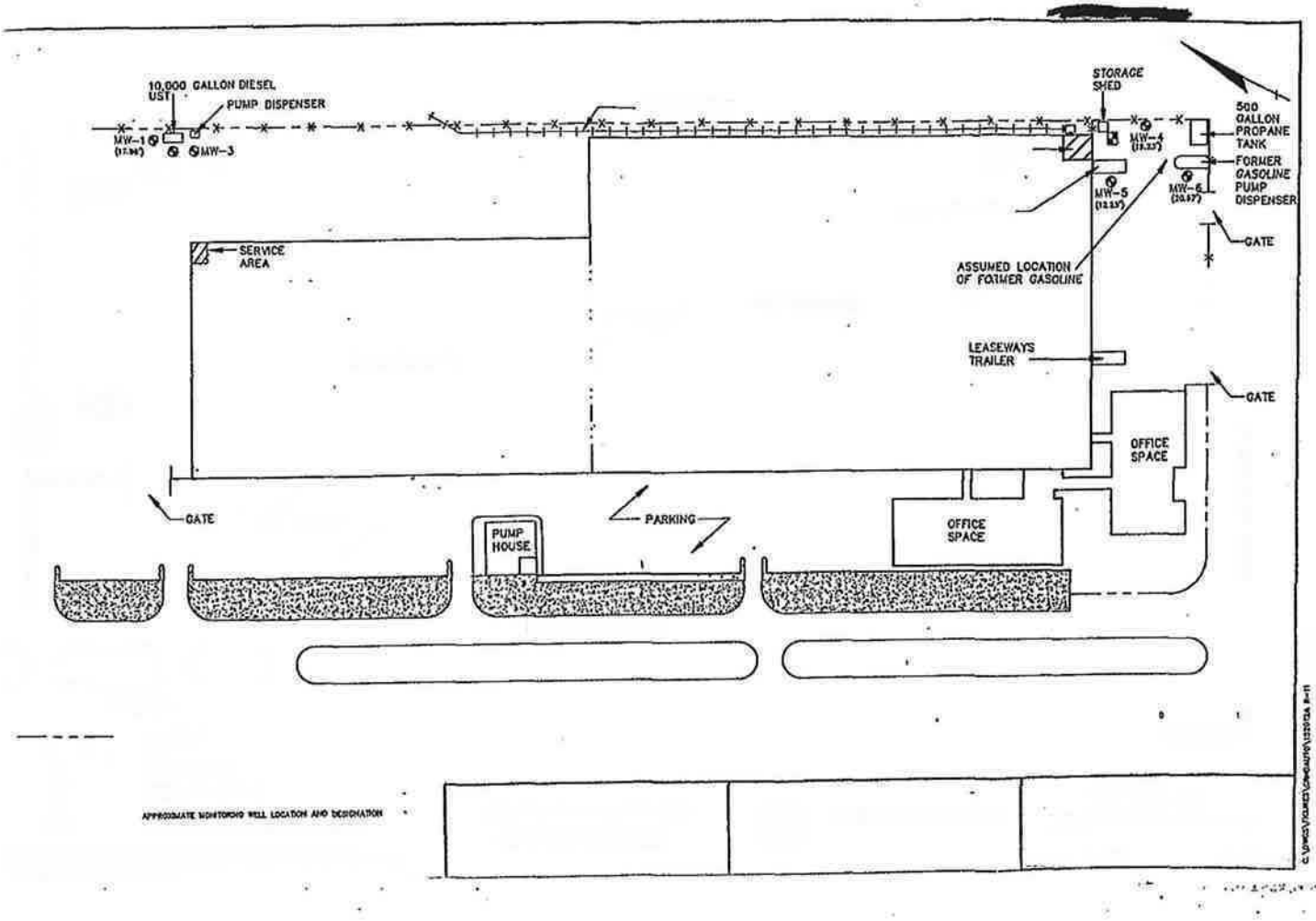
recycled paper





2/13/92.
temporary
25.00 feet.

bailing


10,000 GALLON DIESEL UST
PUMP DISPENSER
MW-1
MW-3
STORAGE SHED
500 GALLON PROPANE TANK
MW-4
FORMER GASOLINE PUMP DISPENSER
MW-5
MW-6
GATE
SERVICE AREA
ASSUMED LOCATION OF FORMER GASOLINE
LEASEWAYS TRAILER
GATE
OFFICE SPACE
GATE
PUMP HOUSE
PARKING
OFFICE SPACE
APPROXIMATE MONITORING WELL LOCATION AND DESIGNATION

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WELL COMPLETION REPORT
(WELL LOGS)

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WELL COMPLETION REPORT
(WELL LOGS)

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WELL COMPLETION REPORT
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WELL COMPLETION REPORT
(WELL LOGS)

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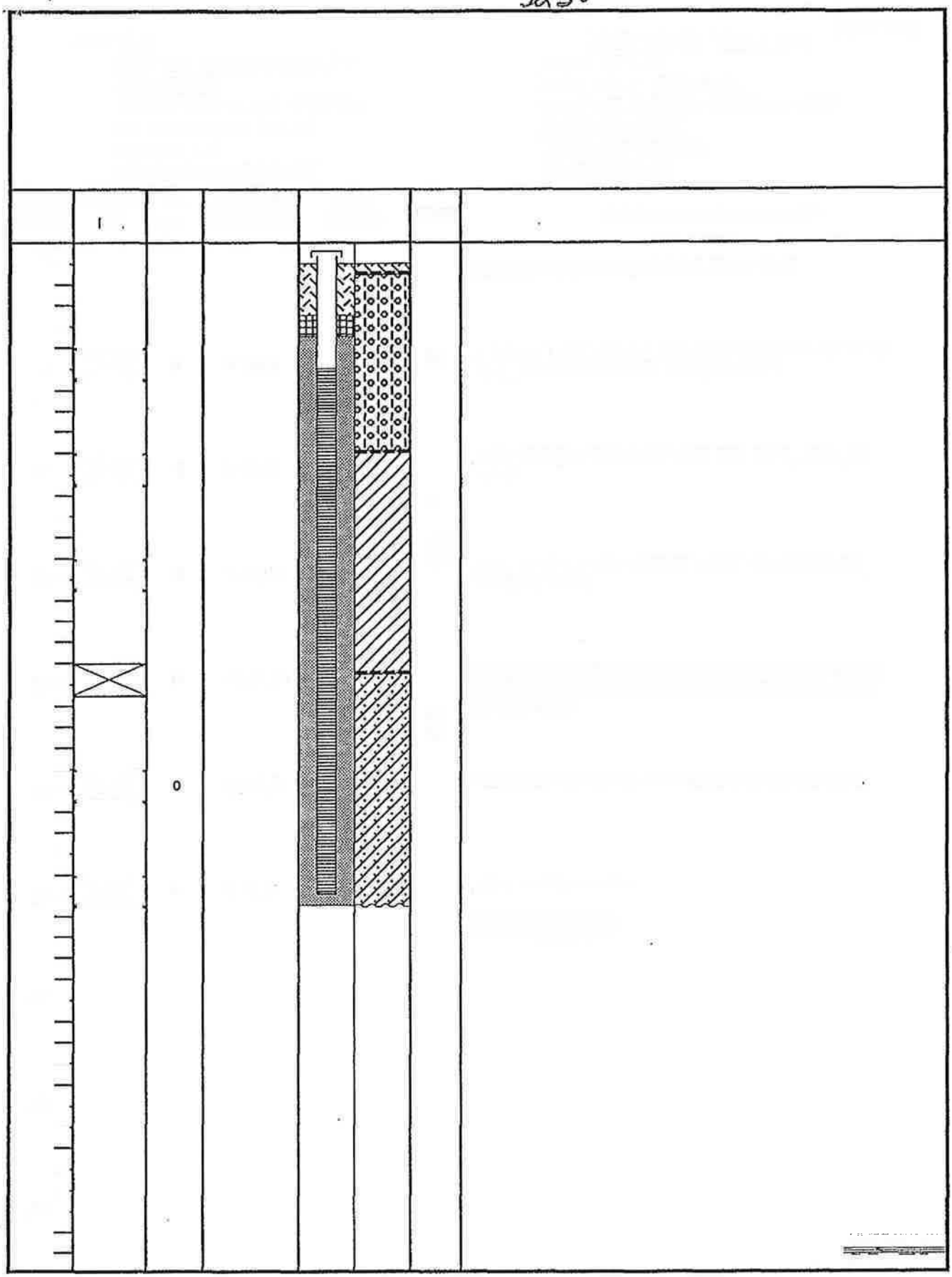
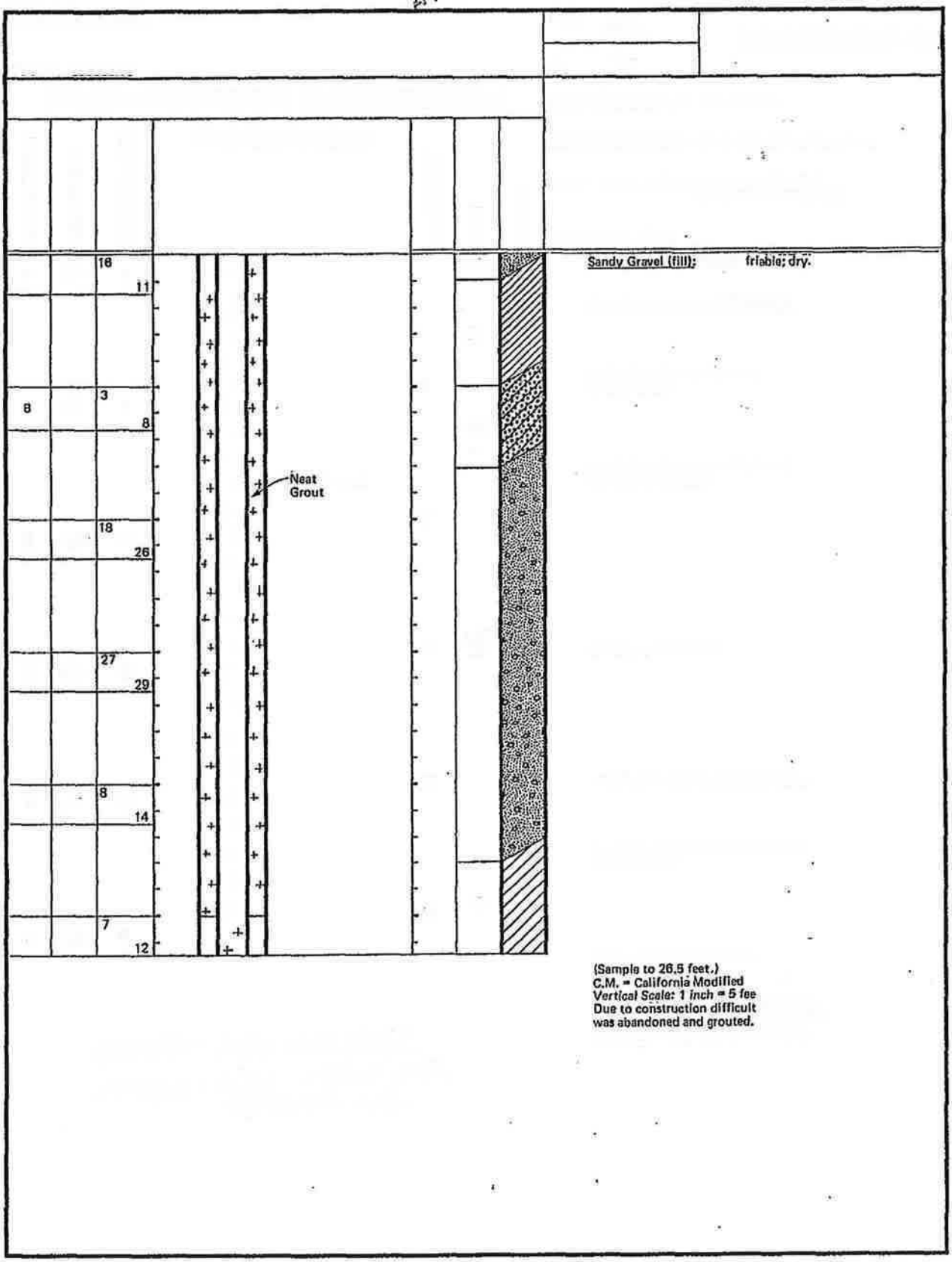
3250





Sandy Gravel (fill); friable; dry.

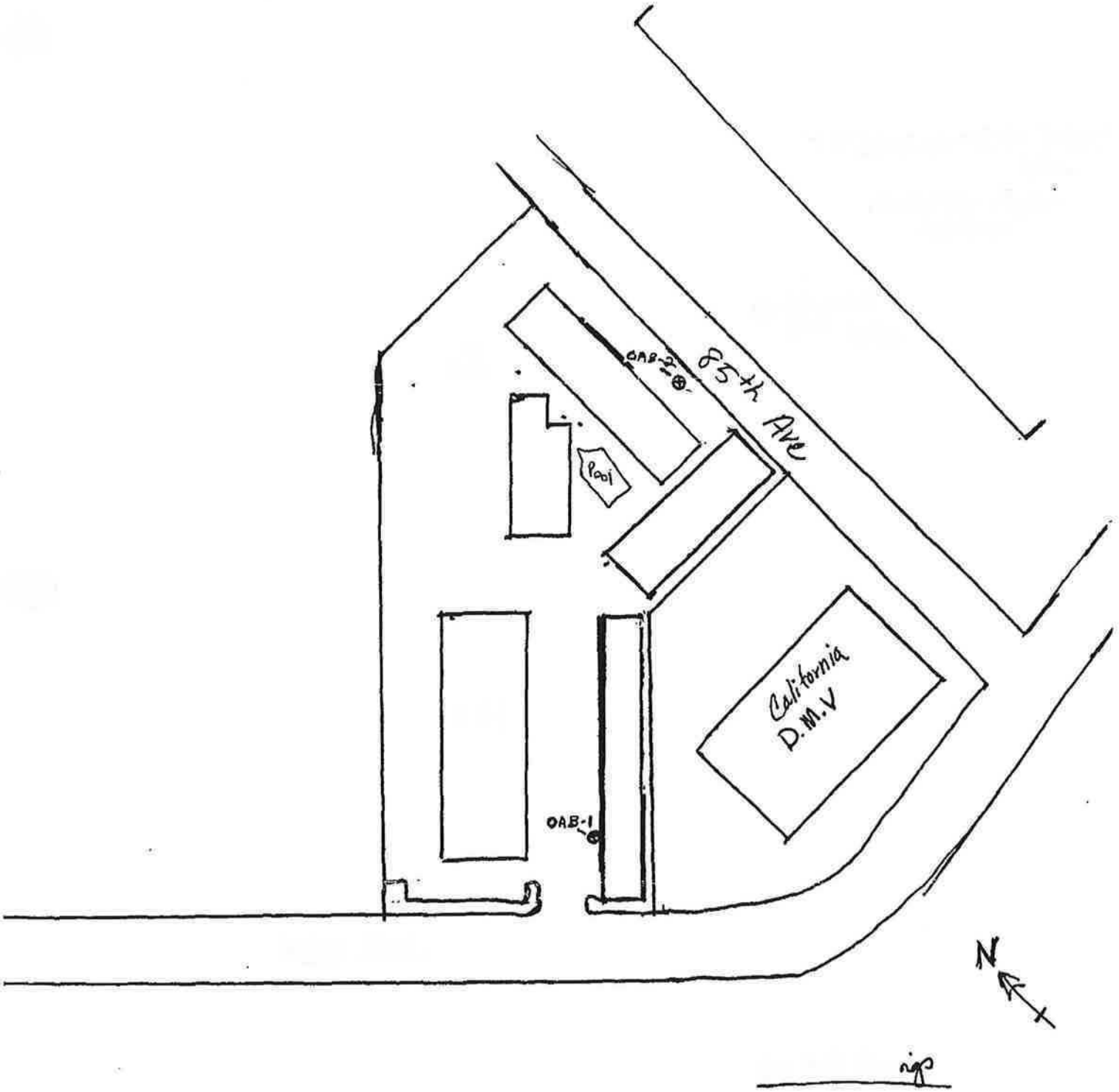
(Sample to 26.5 feet.)
C.M. = California Modified
Vertical Scale: 1 inch = 5 fee
Due to construction difficult
was abandoned and grouted.

WATER RESOURCES
ZONE 7
MANAGEMENT

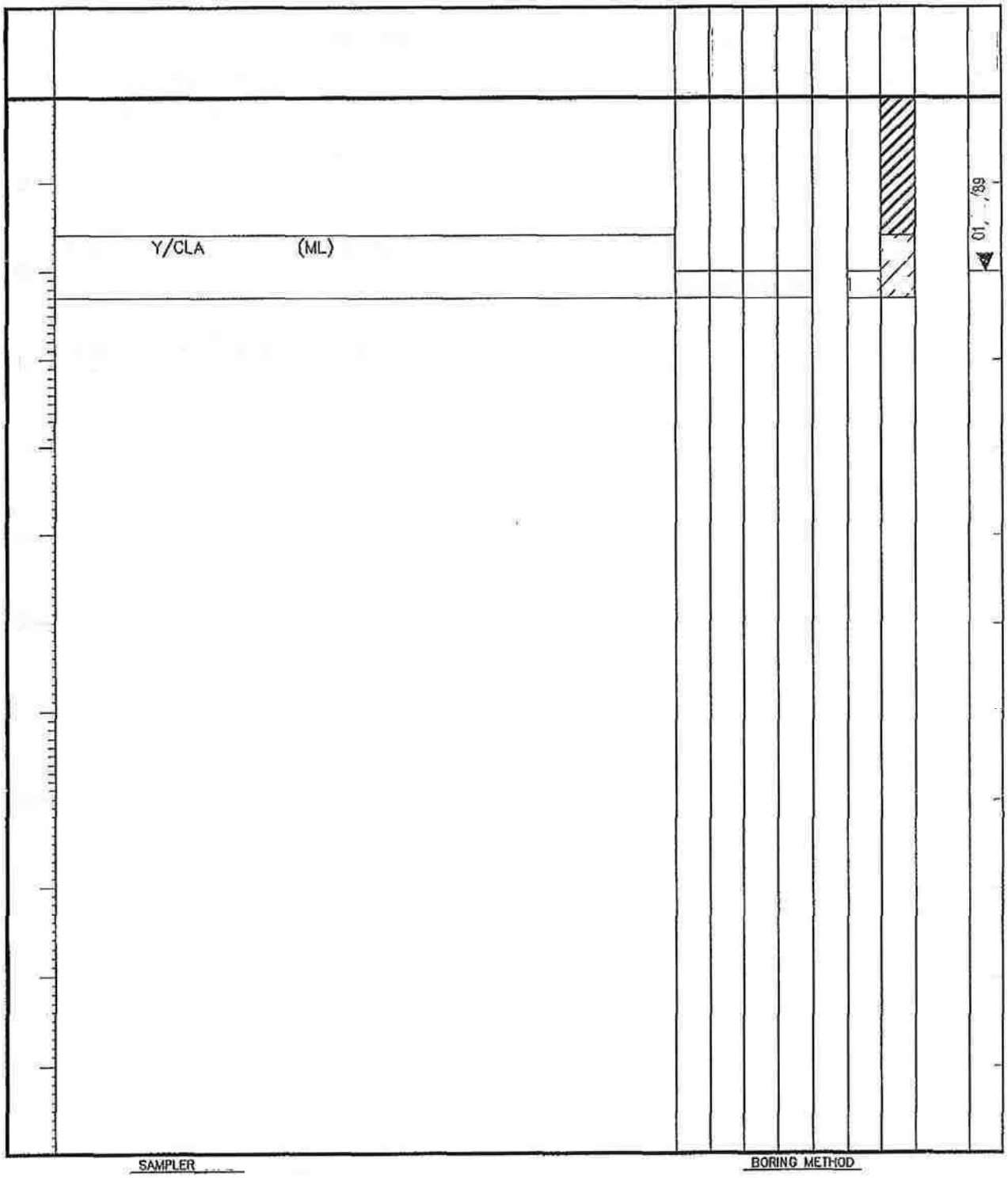
J. Kellington

KLLDI

xpence Inn
8



NSR



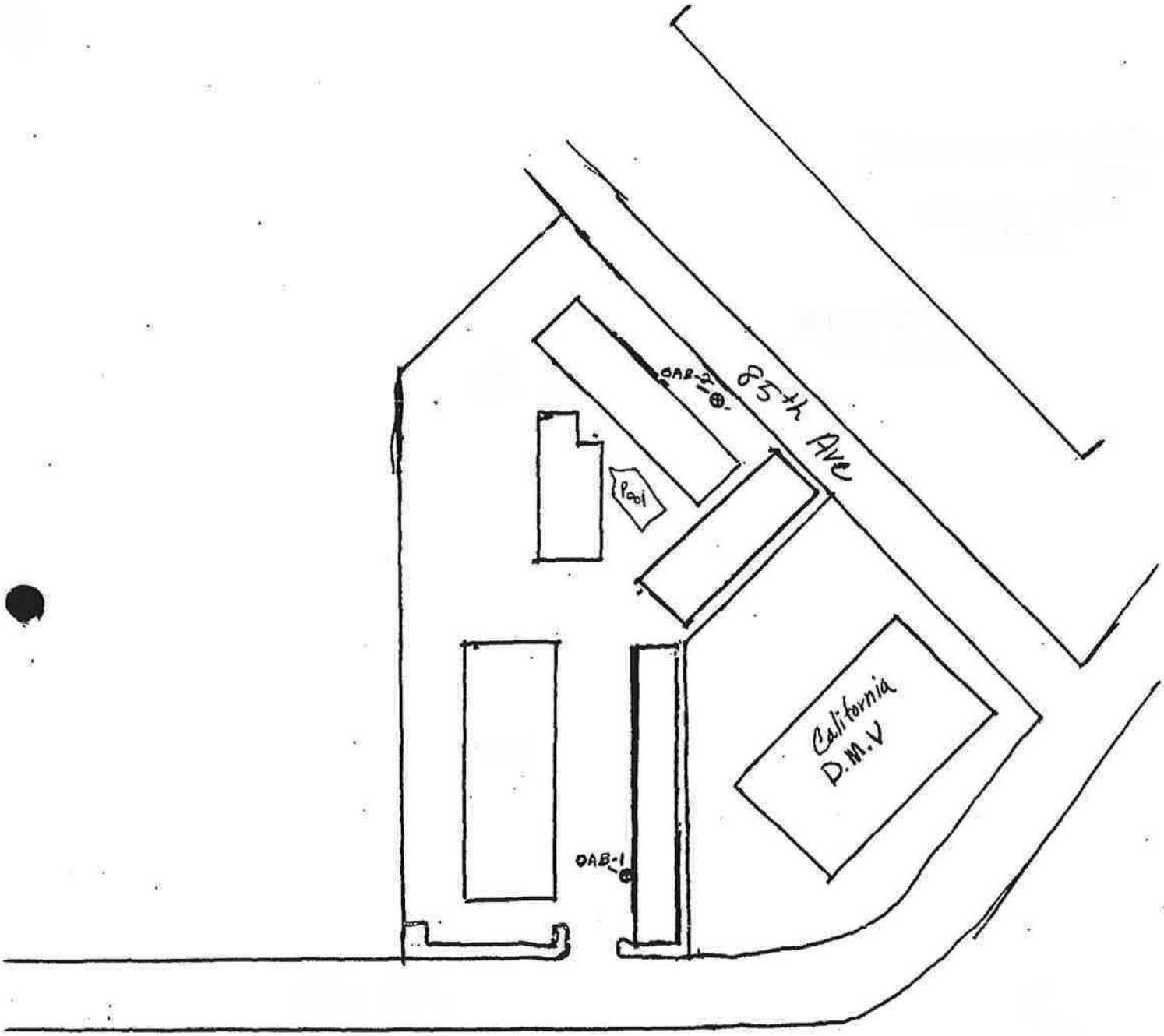
WATER RESOURCES
ZONE 7
MANAGEMENT

94566

J. Killingstad

Killings

Sixpence Inn
8480 Edes Avenue
Oakland, CA 94621



#89018
2S/3W-21K
Sheet 1 of 1

NSR

Client : MOTEL 6
Project Name : PHASE II
Project Location : OAKLAND, CALIFORNIA
Job Number : 4745-001 Boring No :
Logged By : M. WOOD
Approved By :
Drilled By : HEW DRILLING CO, INC

2 inches asphalt concre
FILL (af) 6 inches
QUATERNARY BAY MUD
CLAY (CL) black, moist,

TY (SM) black, dense, saturated, fine gravel
fine

01/10/89

SAMPLER TYPE

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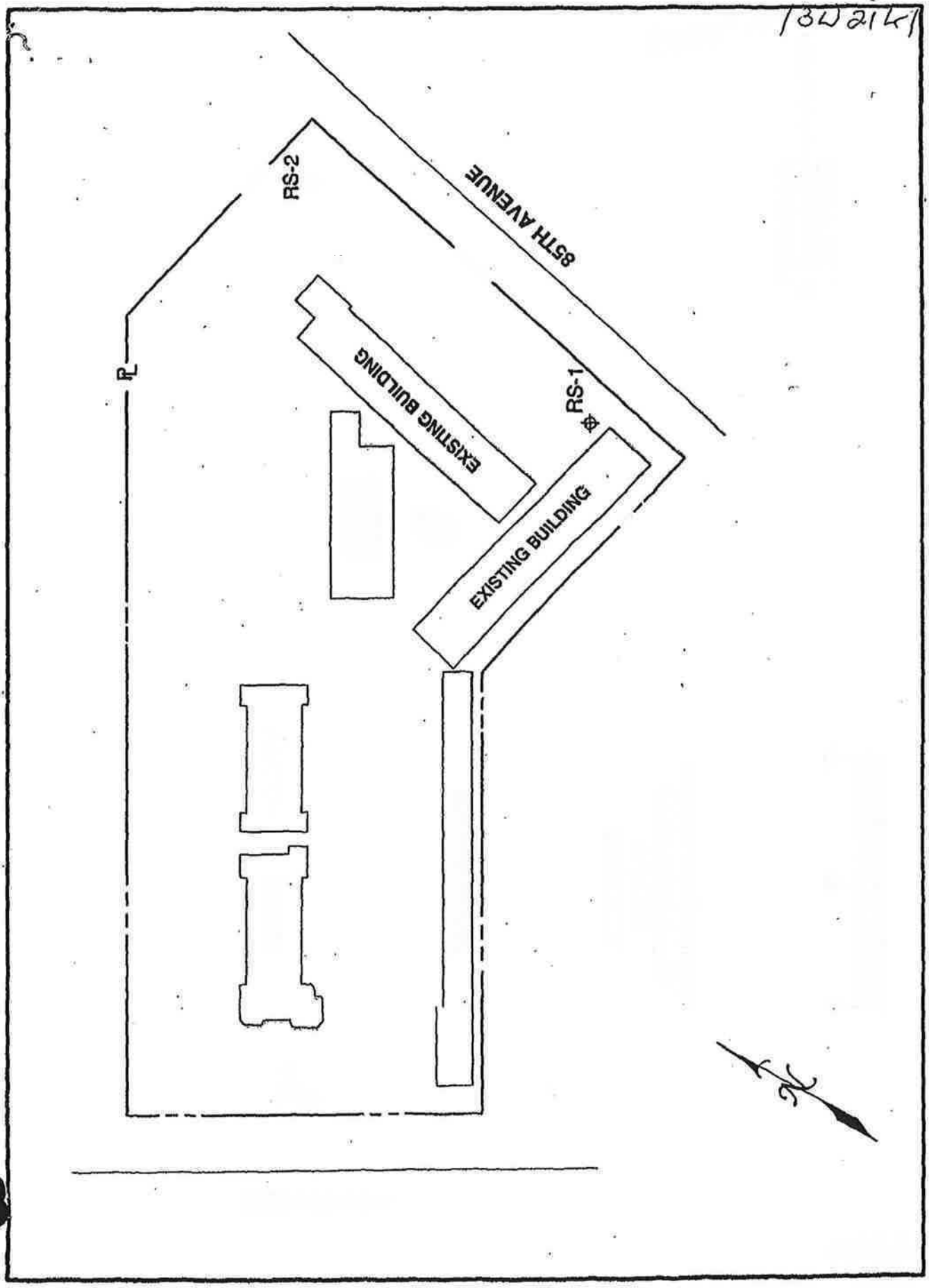
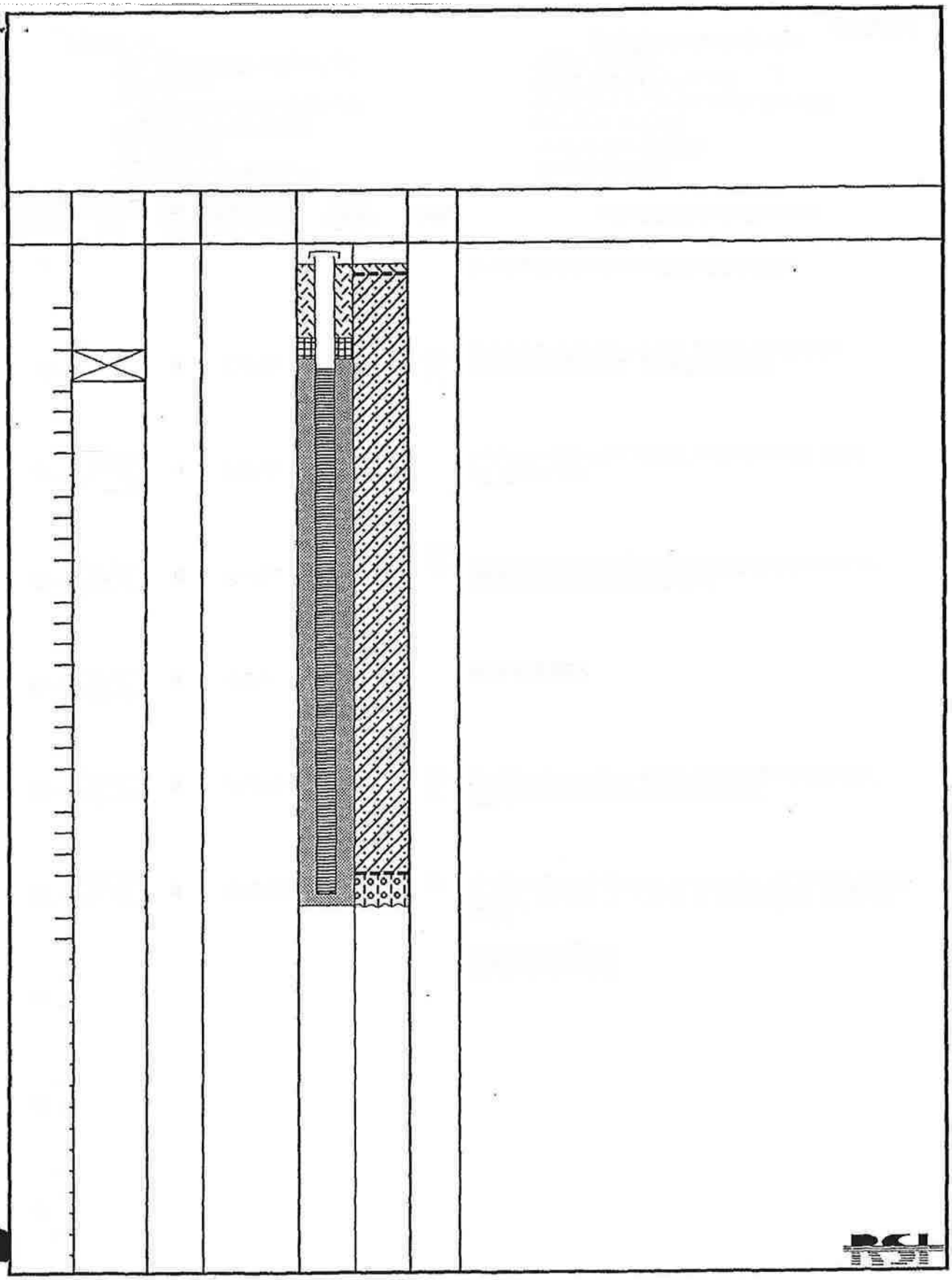
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED


13021
85TH AVENUE
RS-2
R
EXISTING BUILDING
RS-1
EXISTING BUILDING



12

ZONE 7 WATER RESOURCES MANAGEMENT

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

ARCO STATION 4494
7666 HEGENBERGER ROAD
OAKLAND, CALIFORNIA

NUMBER 2S/3W 21G8D

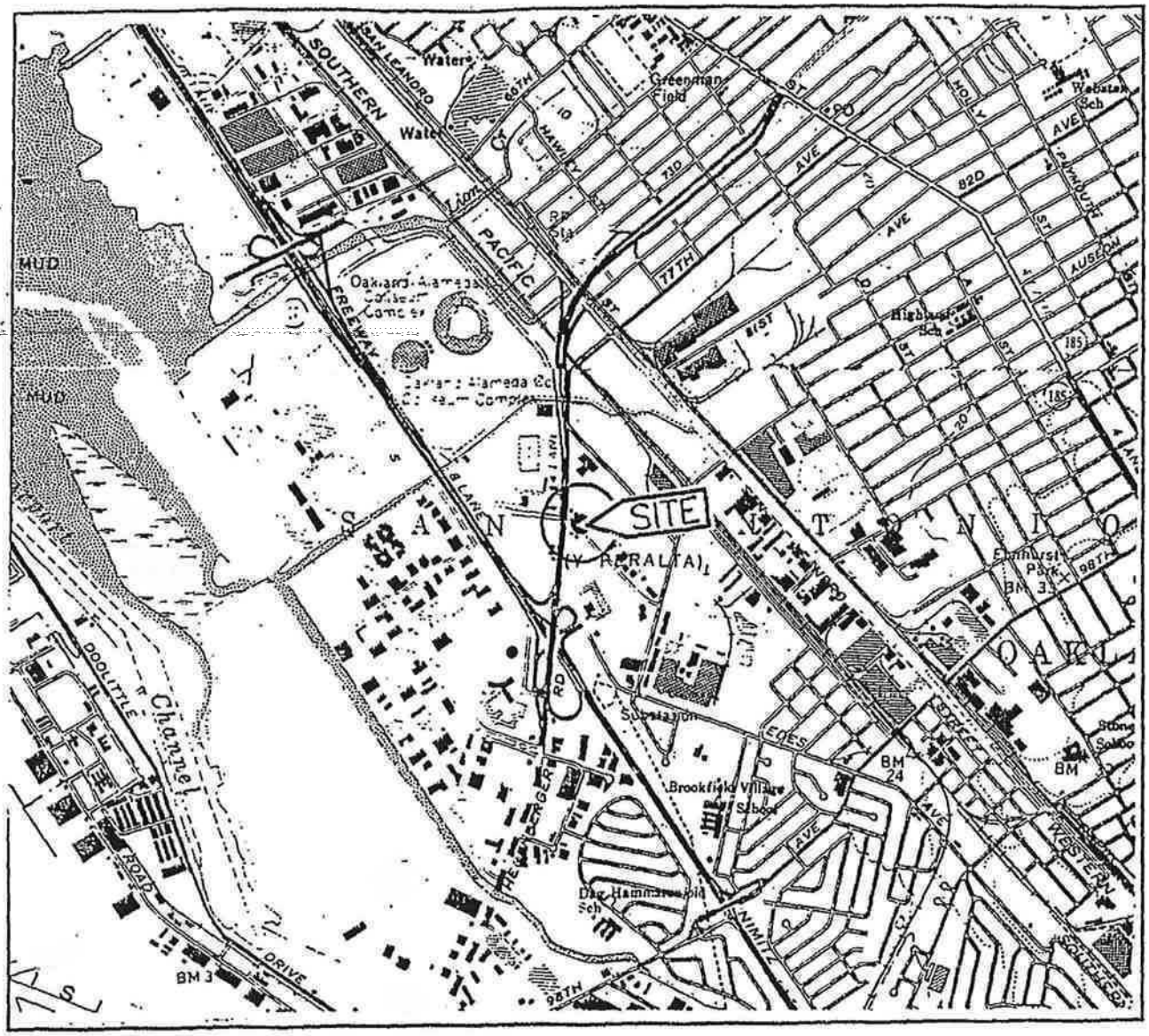
ARCO
ddress P.O. Box 5811 Voice (415) 811-2410
SAN MATEO @402

ERIN McCLUCAS RESNA INDUSTRIES INC. (A.) GENERAL
Fax (408) 264-2435
3315 ALMADEN EXPY SUITE 34 Voice (408) 264-7723
SAN JOSE 95118

OF

(E.) WELL

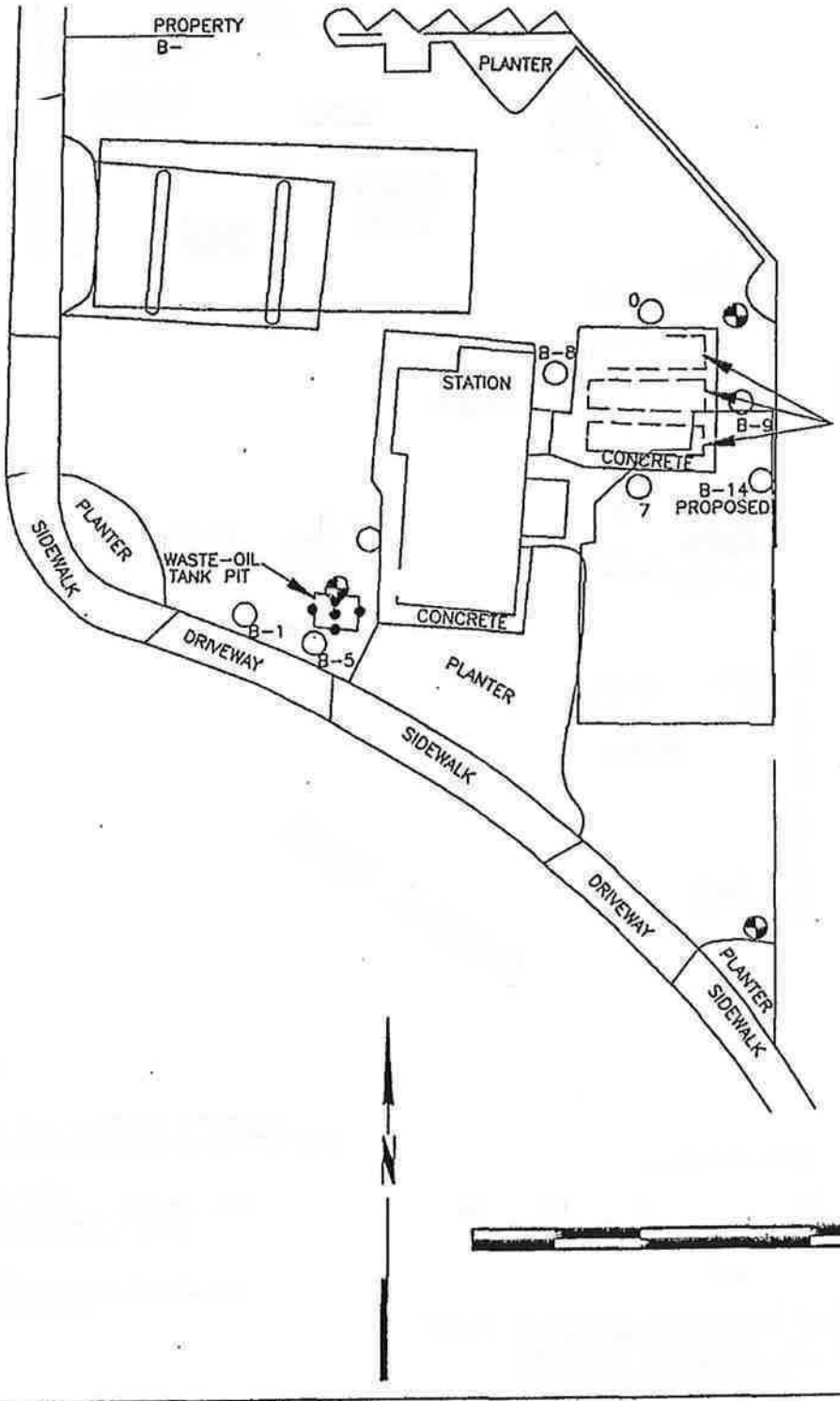
Approved Wyman Hong



.S. Geological Surve
.5-Minute Quadrang
akland East/San Le
hotorevised 1980

N

RESNA

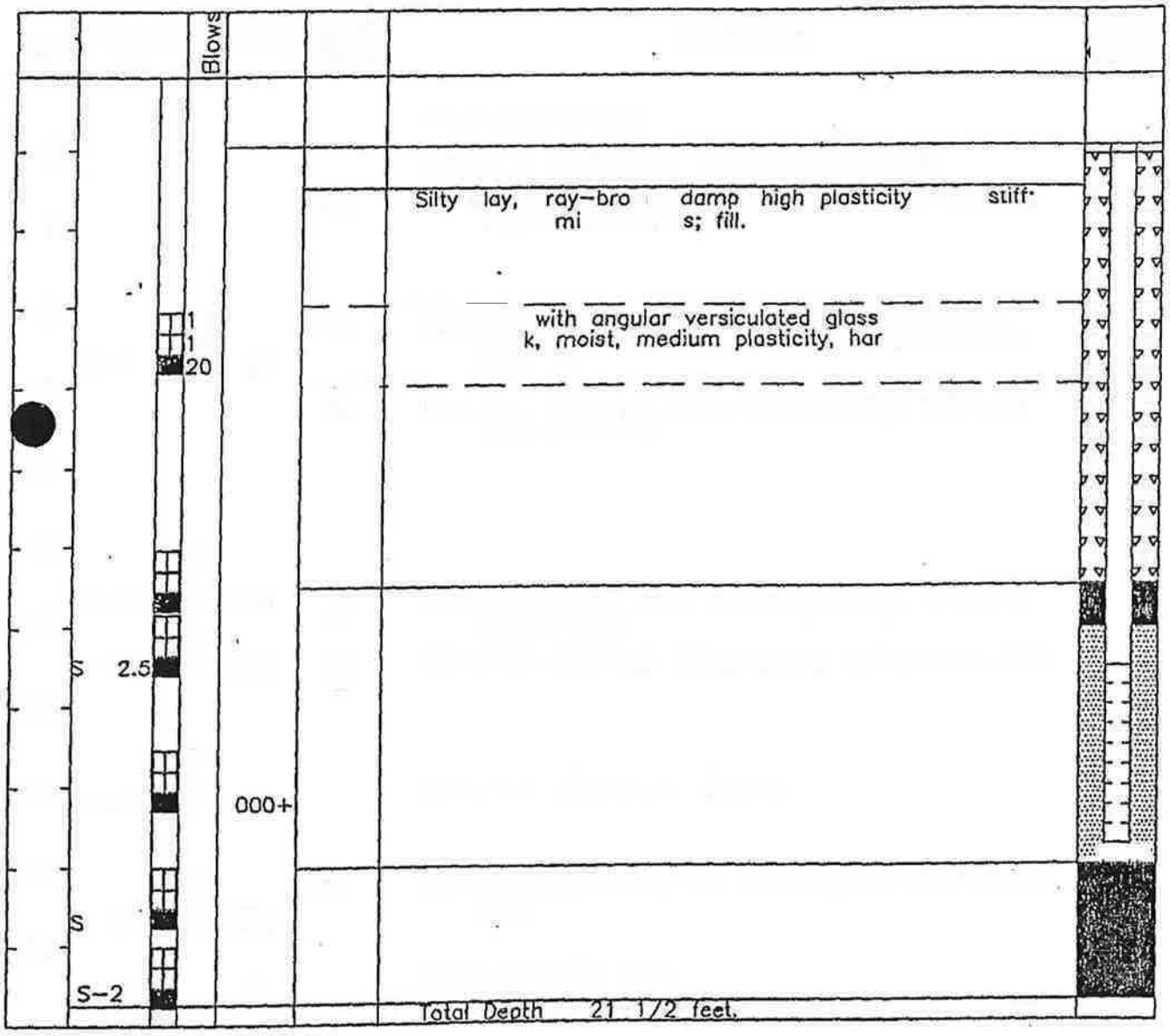

PROPERTY
B-
PLANTER
STATION
B-8
B-9
CONCRETE
B-14
PROPOSED
7
SIDEWALK
PLANTER
WASTE-OIL
TANK PIT
B-1
B-5
CONCRETE
DRIVEWAY
PLANTER
SIDEWALK
DRIVEWAY
PLANTER
SIDEWALK
N

RESNA

led: 1

eter:

: 40



RESNA
Working

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Woodward-Clyde

BORING LOCATION S. OUTER SIDE OF COLISEUM ("PUMPING WELL" LOCATION)	
R ING AG WATER DEVELOPMENT CORP DR LLE KLYDE CHIVRELL	DATE STARTED 9 90 DATE FINISHED
DRILLING EQUIPMENT SPEEDSTAR SS-16 TRUCKMOUNT W/ COMPRESSOR	COMPLETION DEPTH / SAMPLER
LL BIT 10.5" TR NE	
SIZE AND TYPE OF CASING 11 3/4 OD / 10 3/4 ID DRIVE CAS 6 ; 6 W CASING	R
TYPE OF PERFORATION 0.020" FACTORY 6" STEEL FACTORY PVC — FROM 53.0 TO 74.0 FT. 5 — 74.0	
SIZE AND TYPE OF PACK #2/12 LONESTAR SiO2 SAND — FROM TO 75.5 FT.	
YPE OF SEAL 1/4" VOLCLAY BENT PELLETS PORTLAND -II LONESTAR CEMENT W/ 5% GRAN. BENT — FROM TO FT.	

AMPLES

(Blows/6 in.)

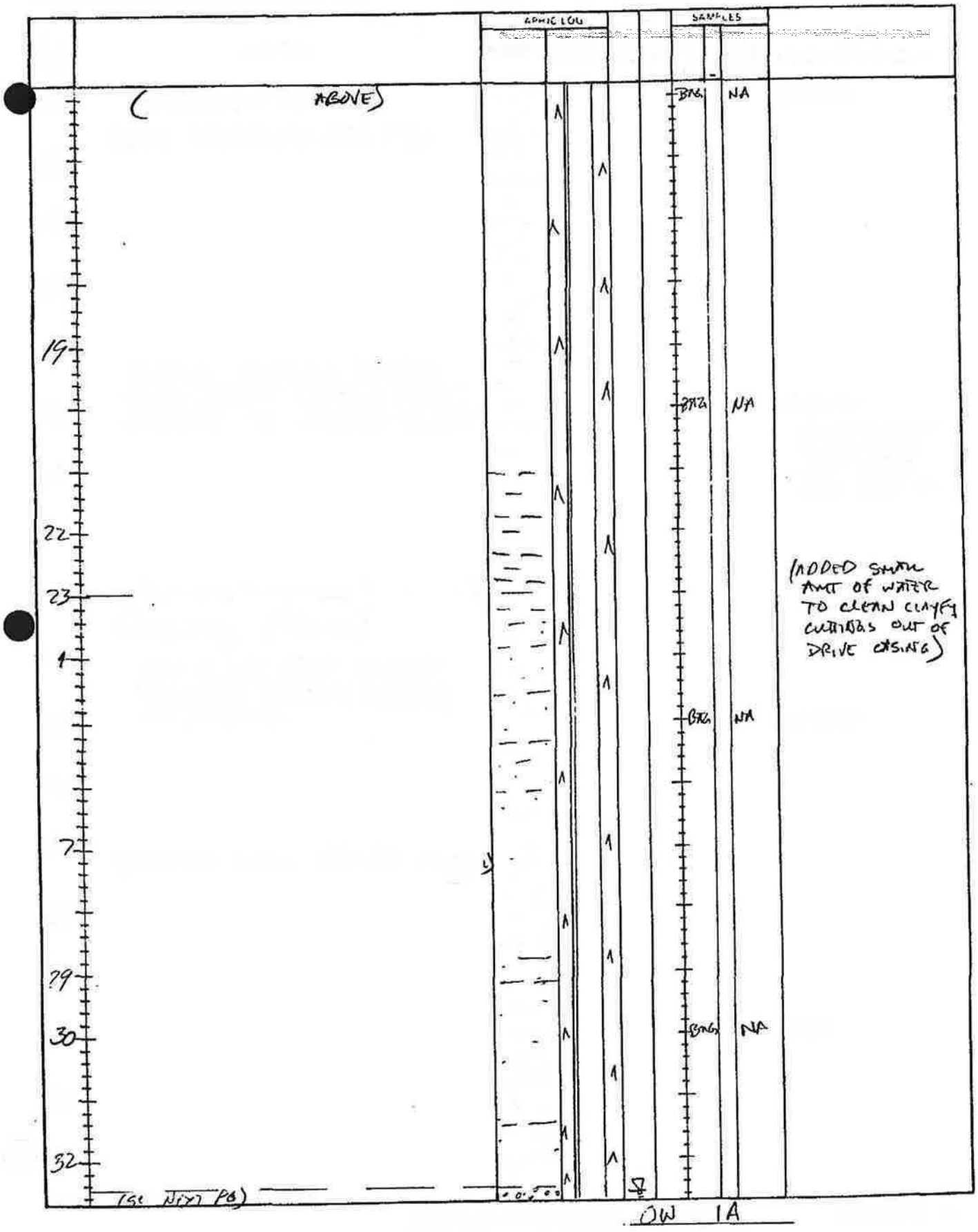
MODERATELY

AND

BAG

BAG

DW-01A


GRAPHIC LOG
SAMPLES
(ABOVE)
BAG
NA
19
22
23
1
7
29
30
32
(SEE NEXT PG)
(ADDED SMALL AMT OF WATER TO CLEAN CLAYEY CUTTINGS OUT OF DRIVE CASING)
OW 1A

OAKLAND COLISEUM 3 NO 98C0314A 2S/3W 16P7

SAMPLES

33 GRAVEL (GM-GP)

MED DENSE, SATURATED, MED OLIVE BROWN (5Y 4/4), FINE SUBANGULAR TO SUBROUNDED GRAVEL, & COARSE GRAINED SAND, W/ TRACE MED GRAVEL.

34 (GRADED SEQUENCES)

36

37

FREE WATER

BAG NA

1105 HRS ABUNDANT FREE WATER IN CUTTINGS

BAG NA

WATER RAISED

1 CLAY (CL)

SILTY, MOIST TO WET, DARK YELLOWISH BROWN (10YR 4/2), HIGHLY PLASTIC, W/ TRACE COARSE SAND

3

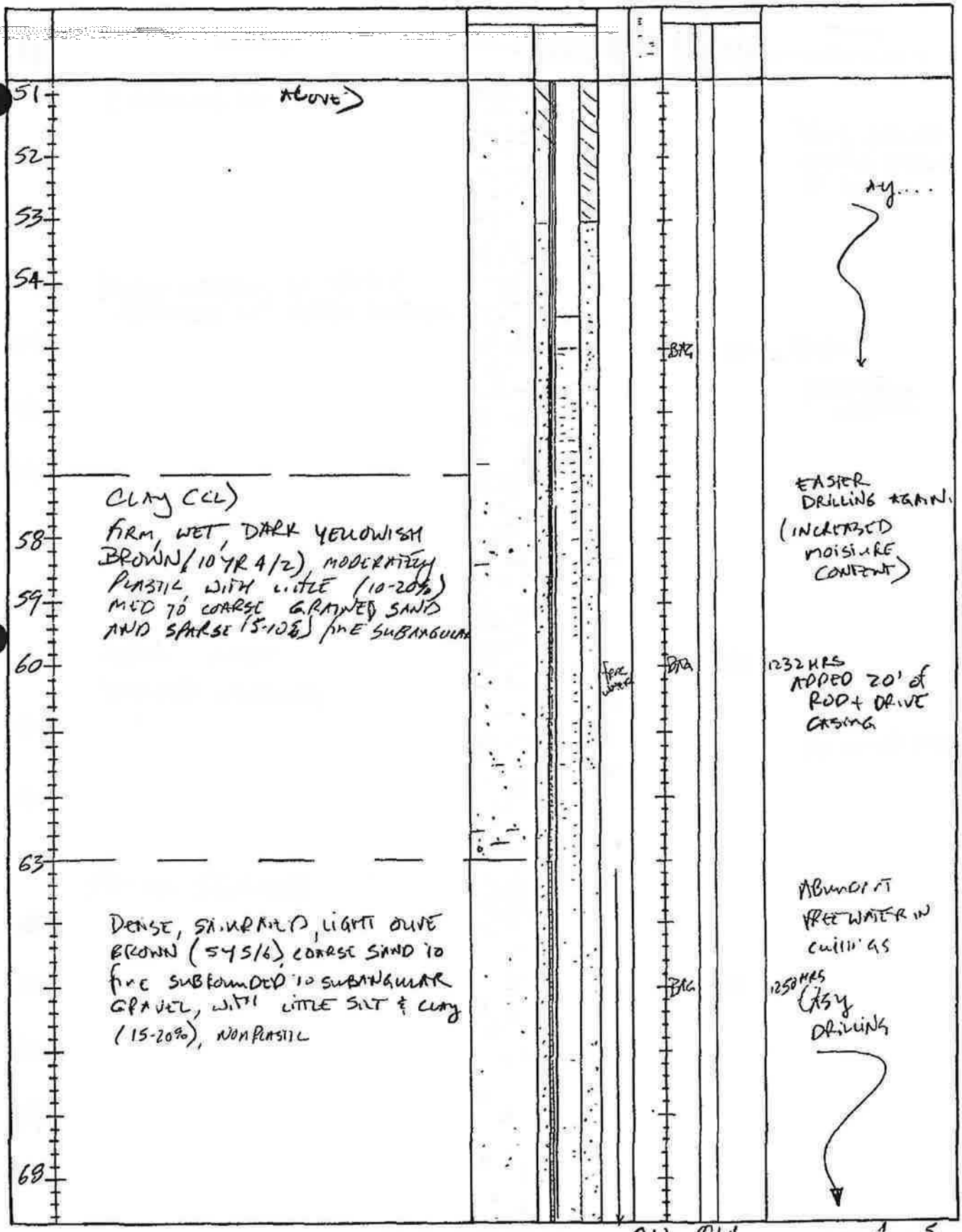
44

5

BAG NA

BAG NA

OW-01A


51
52
53
54
58
59
60
63
68
ABOVE)
CLAY (CL)
FIRM, WET, DARK YELLOWISH BROWN (10YR 4/2), MODERATELY PLASTIC WITH LITTLE (10-20%) MED TO COARSE GRAINED SAND AND SPARSE (5-10%) FINE SUBANGULA
DENSE, SATURATED, LIGHT OLIVE BROWN (5Y5/6), COARSE SAND TO FINE SUBROUNDED TO SUBANGULAR GRAVEL, WITH LITTLE SILT & CLAY (15-20%), NONPLASTIC
BAG
BAG
BAG
free water
Ay....
EASIER DRILLING AGAIN. (INCREASED MOISTURE CONTENT)
1232 HRS ADDED 20' of ROD + DRIVE CASING
ABUNDANT FREE WATER IN CUTTINGS
1250 HRS EASY DRILLING

OW OIA

4 5

ABOVE)

Slight increase in gravel size & roundness.

(GRADED SEQUENCES)

73

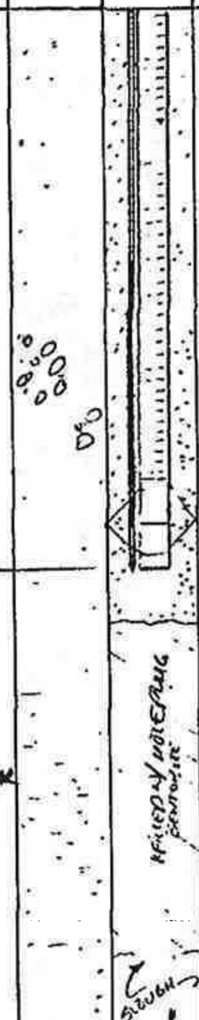
74

Gravelly Clay (GC)
firm to stiff, saturated, light olive brown to moderate olive

6

7

BANGULAR



EASY DRILLING

NA

0

1

CO

SLOUGHING w/ clayey materials.

1420 Reached TD
Pulled rod &
began geophys.
logging.

-20' of 1"
-60' of 1" slot
→ for sounding

20" Falling

83

84

85

OW-01A

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WELL COMPLETION REPORT
(WELL LOGS)

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NG LOCATION N

DRILLING AGENCY WATER

DRILLING EQUIPMENT SPEEDSTAR SS TRK W/

LING METHOD AIR ROTARY W/ CASING HAMMER | DRILL BIT DRAG BIT

SIZE AND TYPE OF CASING DRIVE CASING 9⅝"OD; 8⅝"ID, WELL CASING SCH40 | FROM TO FT.

YPE OF PERFORATION 0.020" FACTORY SLOT MARDMARK PVC | FROM TO FT.

SIZE AND TYPE OF PACK #2/12 LONESTAR O2 SAND | FROM TO FT.

TYPE OF SEAL N/A D M HYDRATED BENT POL./PORTLAND I-II NEAT CEMENT | FROM TO FT.

DATE STARTED 9 9 90/ 9

DATE FINISHED

COMPLETION DEPTH

NO. OF
F LES
A ER
1 V.

LES

RECOV. ft.

ASPHALT

Silty Clay (CL) firm, damp, dark (10YR 4/2) with gravel & little SAND (FILL)

LAR

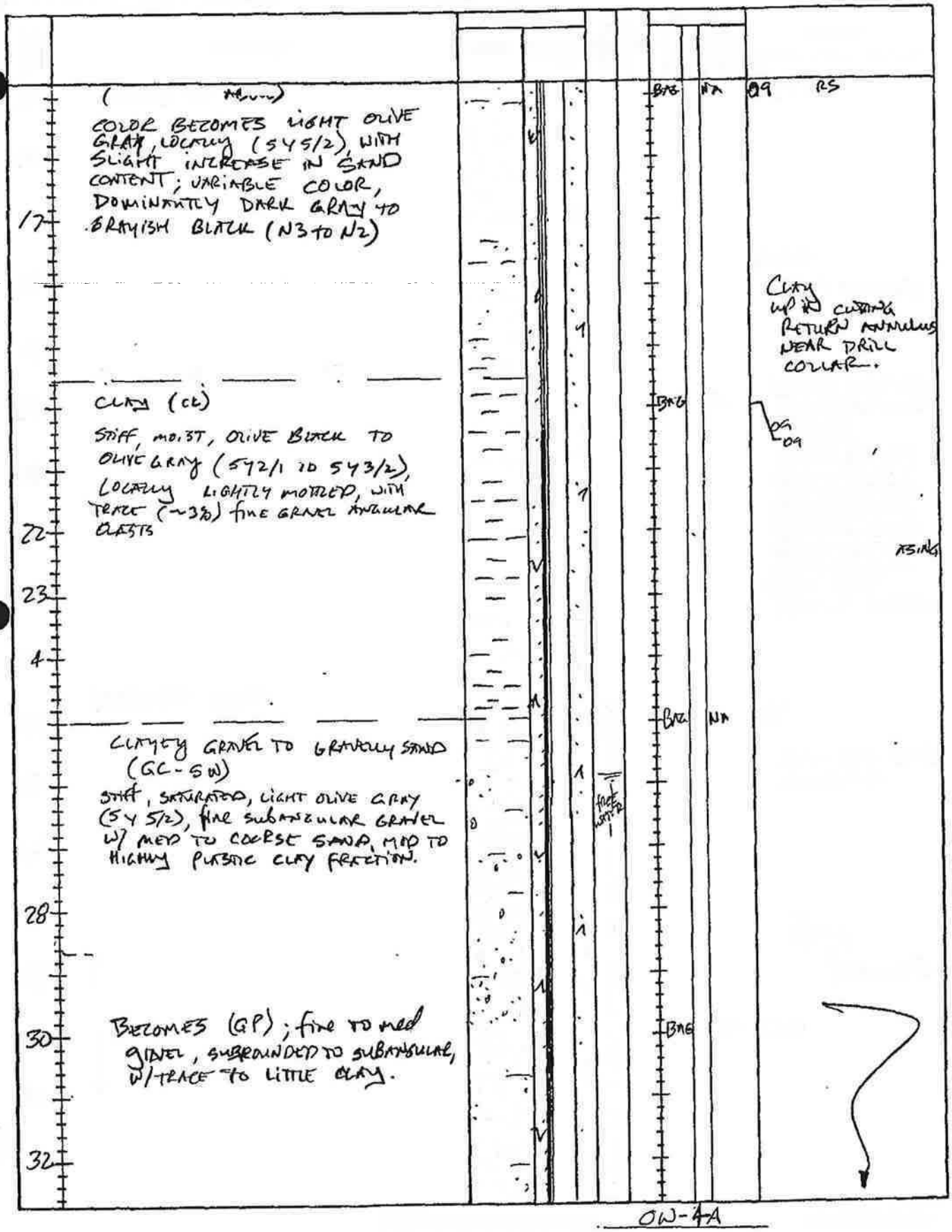
firm, moist, olive gray to light olive brown, lightly mottled (5Y3/2 to 5Y5/6), w/ subrounded gravels locally to 2" (>2%)

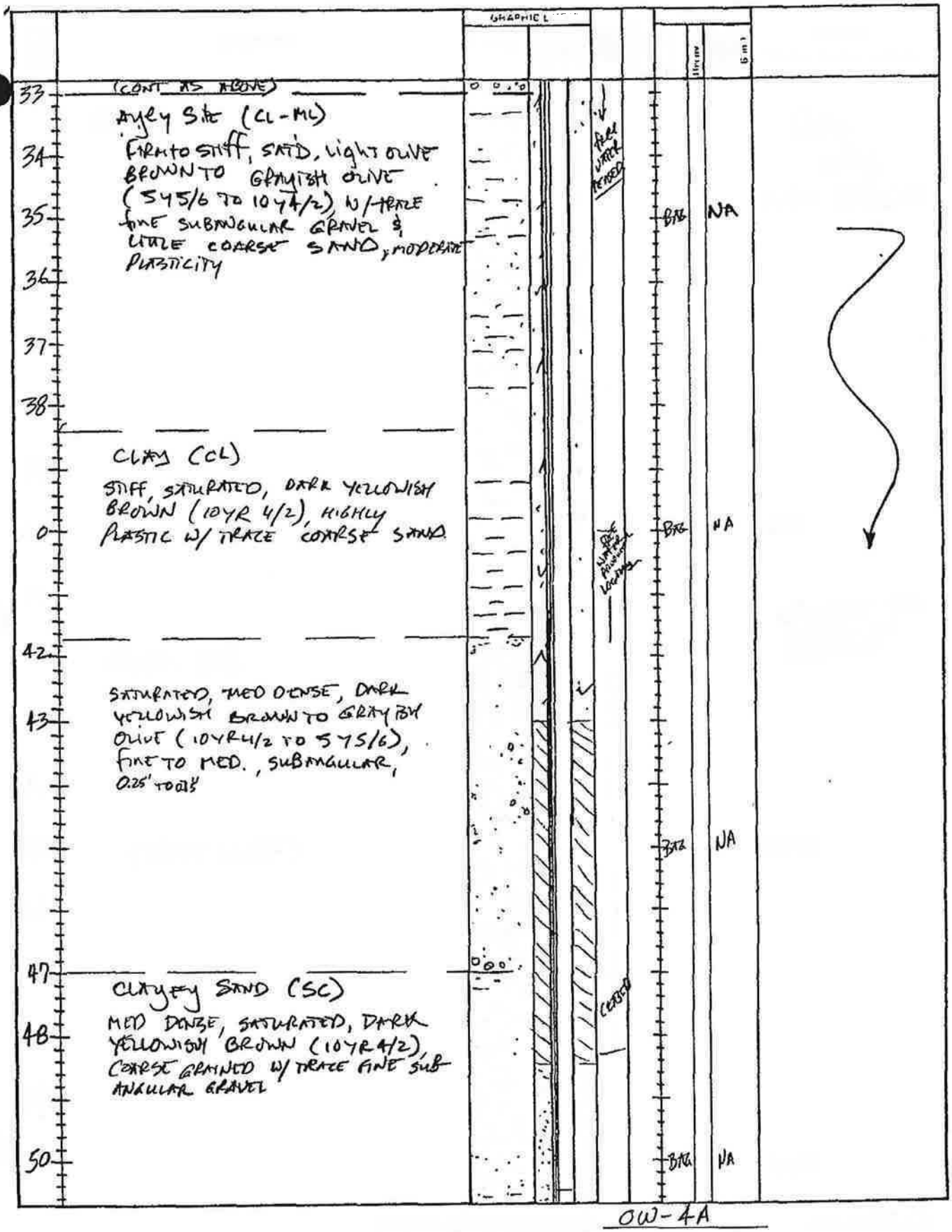
BAG

Relatively easy, steady drilling.

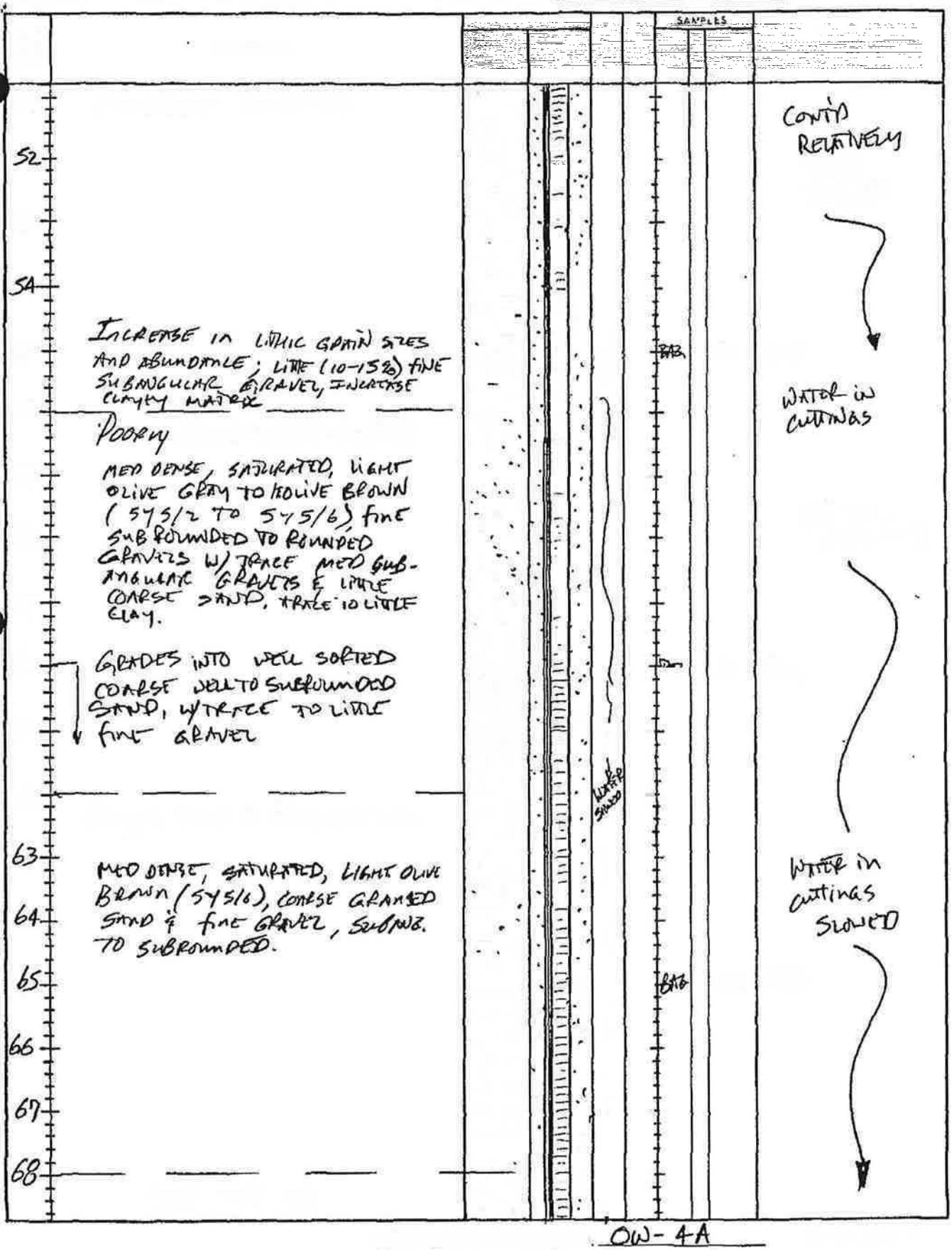
14

0 4A

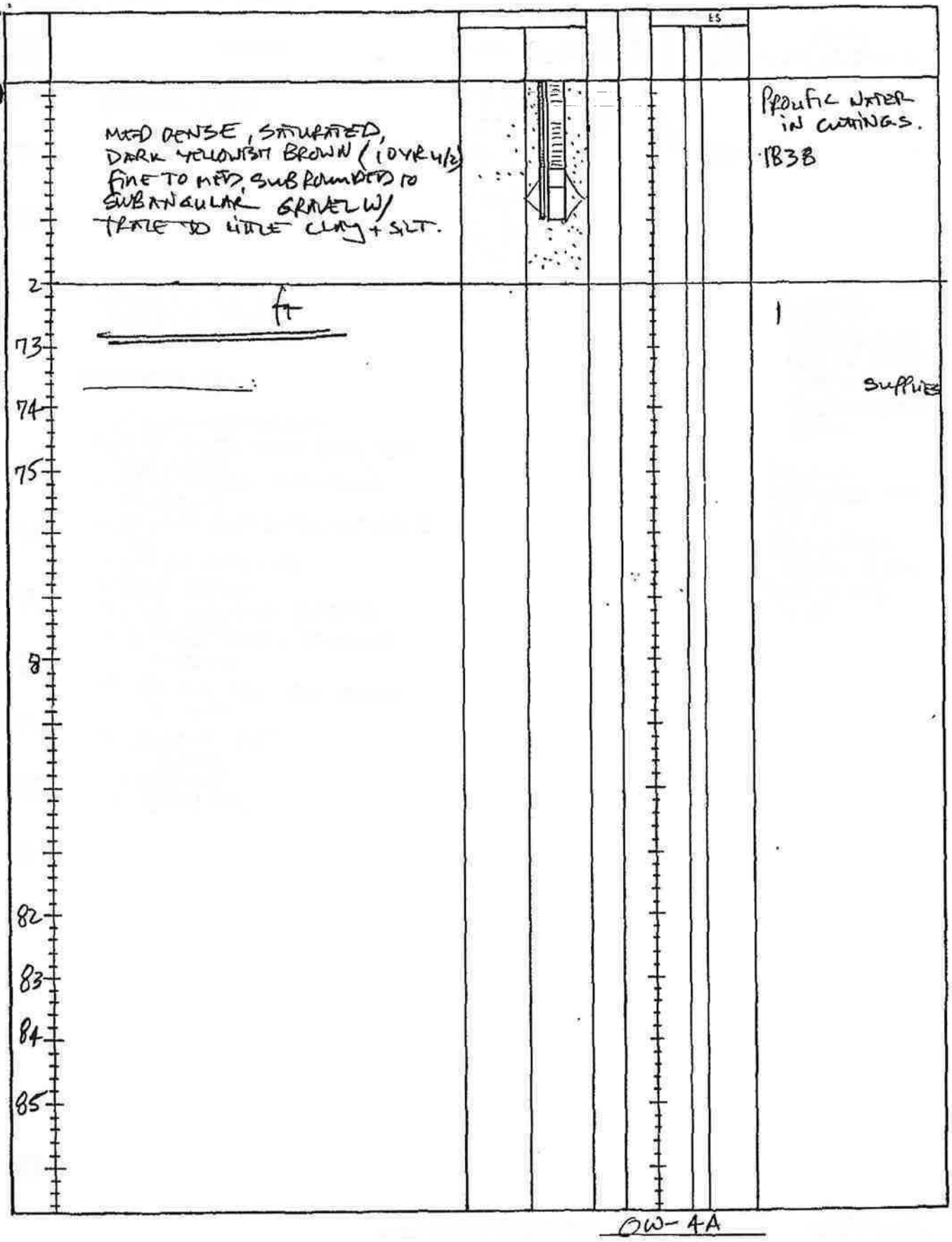

COLOR BECOMES LIGHT OLIVE GRAY, LOCALLY (5Y5/2), WITH SLIGHT INCREASE IN SAND CONTENT; VARIABLE COLOR, DOMINANTLY DARK GRAY TO GRAYISH BLACK (N3 TO N2)
17
CLAY (CL)
STIFF, MOIST, OLIVE BLACK TO OLIVE GRAY (5Y2/1 TO 5Y3/2), LOCALLY LIGHTLY MOTTLED, WITH TRACE (~3%) FINE GRAVEL ANGULAR CLASTS
22
23
4
CLAYEY GRAVEL TO GRAVELLY SAND (GC-SW)
STIFF, SATURATED, LIGHT OLIVE GRAY (5Y 5/2), FINE SUBANGULAR GRAVEL W/ MED TO COARSE SAND, MOD TO HIGHLY PLASTIC CLAY FRACTION.
28
BECOMES (GP); FINE TO MED GRAVEL, SUBROUNDED TO SUBANGULAR, W/TRACE TO LITTLE CLAY.
30
32
BAG
NA
09
RS
CLAY UP IN CASING RETURN ANNULUS NEAR DRILL COLLAR.
BAG
09
BAG
NA
BAG
ASING
FREE WATER
OW-4A


(CONT AS ABOVE)
33
Ayer Site (CL-ML)
FIRM TO STIFF, SAND, LIGHT OLIVE BROWN TO GRAYISH OLIVE (5Y5/6 TO 10Y4/2), W/ TRACE FINE SUBANGULAR GRAVEL & LITTLE COARSE SAND, MODERATE PLASTICITY
34
35
36
37
38
CLAY (CL)
STIFF, SATURATED, DARK YELLOWISH BROWN (10YR 4/2), HIGHLY PLASTIC W/ TRACE COARSE SAND
0
42
SATURATED, MED DENSE, DARK YELLOWISH BROWN TO GRAY BY OLIVE (10YR4/2 TO 5Y5/6), FINE TO MED., SUBANGULAR, 0.25" TO 1"
43
47
CLAYEY SAND (SC)
MED DENSE, SATURATED, DARK YELLOWISH BROWN (10YR4/2), COARSE GRAINED W/ TRACE FINE SUB ANGULAR GRAVEL
48
50
BTG
NA
BTG
NA
BTG
NA
BTG
NA

OW-4A


SAMPLES
CONTD RELATIVELY
52
54
INCREASE IN LITHIC GRAIN SIZES AND ABUNDANCE; LITTLE (10-15%) FINE SUBANGULAR GRAVEL, INCREASE CLAYEY MATRIX
BAB
WATER IN CUTTINGS
POORLY
MED DENSE, SATURATED, LIGHT OLIVE GRAY TO OLIVE BROWN (5Y5/2 TO 5Y5/6), FINE SUBROUNDED TO ROUNDED GRAVELS W/ TRACE MED SUBANGULAR GRAVELS & LITTLE COARSE SAND, TRACE TO LITTLE CLAY.
GRADES INTO WELL SORTED COARSE WELL TO SUBROUNDED SAND, W/ TRACE TO LITTLE FINE GRAVEL
WATER BEARING SAND
63
MED DENSE, SATURATED, LIGHT OLIVE BROWN (5Y5/6), COARSE GRAINED SAND & FINE GRAVEL, SUBANG. TO SUBROUNDED.
WATER IN CUTTINGS SLOWED
64
65
BAB
66
67
68

OW-4A


ES
MED DENSE, SATURATED, DARK YELLOWISH BROWN (10YR 4/2) FINE TO MED, SUBROUNDED TO SUBANGULAR GRAVEL W/ TRACE TO LITTLE CLAY + SILT.
Pfoufic WATER IN CUTTINGS.
1B3B
2
73
74
75
8
82
83
84
85
1
SUPPLIES

OW-4A

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(WELL LOGS)

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319705 25/3W P9

AME OAKLAND COLISEUM NO. 90C0314A/000

BORING LOCATION S-SE OUTER SIDE OF COLISEUM	ELEVATION AND DATUM
DRILLING AGENCY WATER DEVELOPMENT CORP. DRILLER KLYDE CHIVRELL	DATE STARTED 9-4-90 DATE FINISHED
DRILLING EQUIPMENT SPEEDSTAR SS 16 TRUCKMOUNT	COMPLETION DEPTH
DRILLING METHOD AIR ROTARY W/ CASING HAMMER DRI 8.5" TRICONE	NO. OF SAMPLES
SIZE AND TYPE OF CASING DRIVE = 9 5/8 O.D./8 5/8 WELL 4" PVC	W R E
T C 2 3	FROM 62.0 TO 82.0 FT. FROM 6 TO 83.0 FT. 0 TO 60.0 FT. 52

IC	IPLES	

ASPHALT

BEGAN DRILLING. 1425 HRS.

(Cuttings samples collected & logged every 5')

SILTY CLAY (ML-CL) MED DENSE, DAMP, DARK YELLOWISH BROWN (10YR 4/2), WITH LITTLE TO SOME COARSE GRAINED, ANGULAR SAND & LITHIC FRAGMENTS, LOW TO MOD PLASTICITY (FILL)?

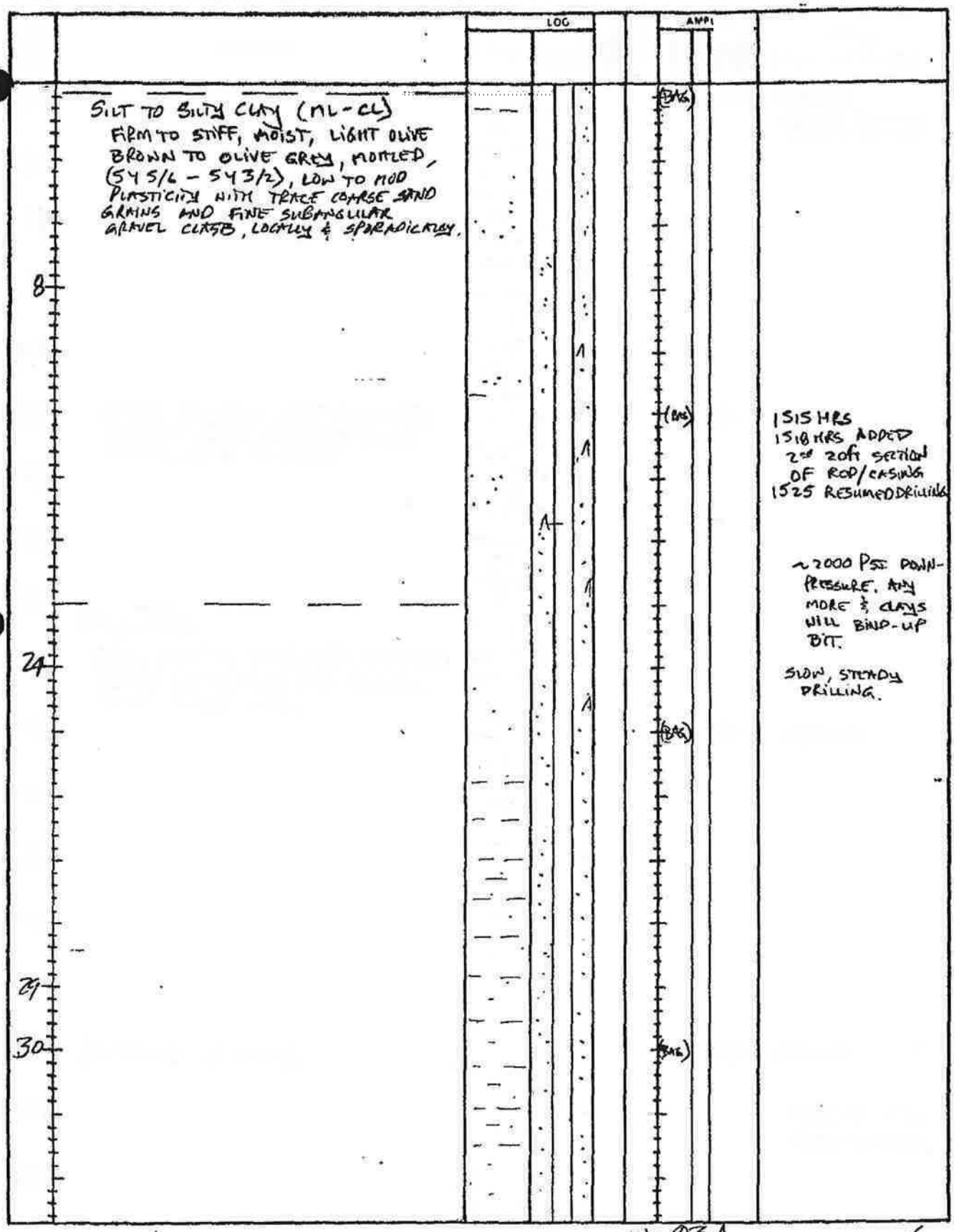
FIRM TO STIFF (~). DAMP TO MOIST, DARK YELLOWISH BROWN TO GRAYISH OLIVE (10YR 4/2 TO 10Y 4/2) LIGHTLY MOTTLED, MOD. PLASTIC, TRACE MED GRAINED SAND.

(BAG)

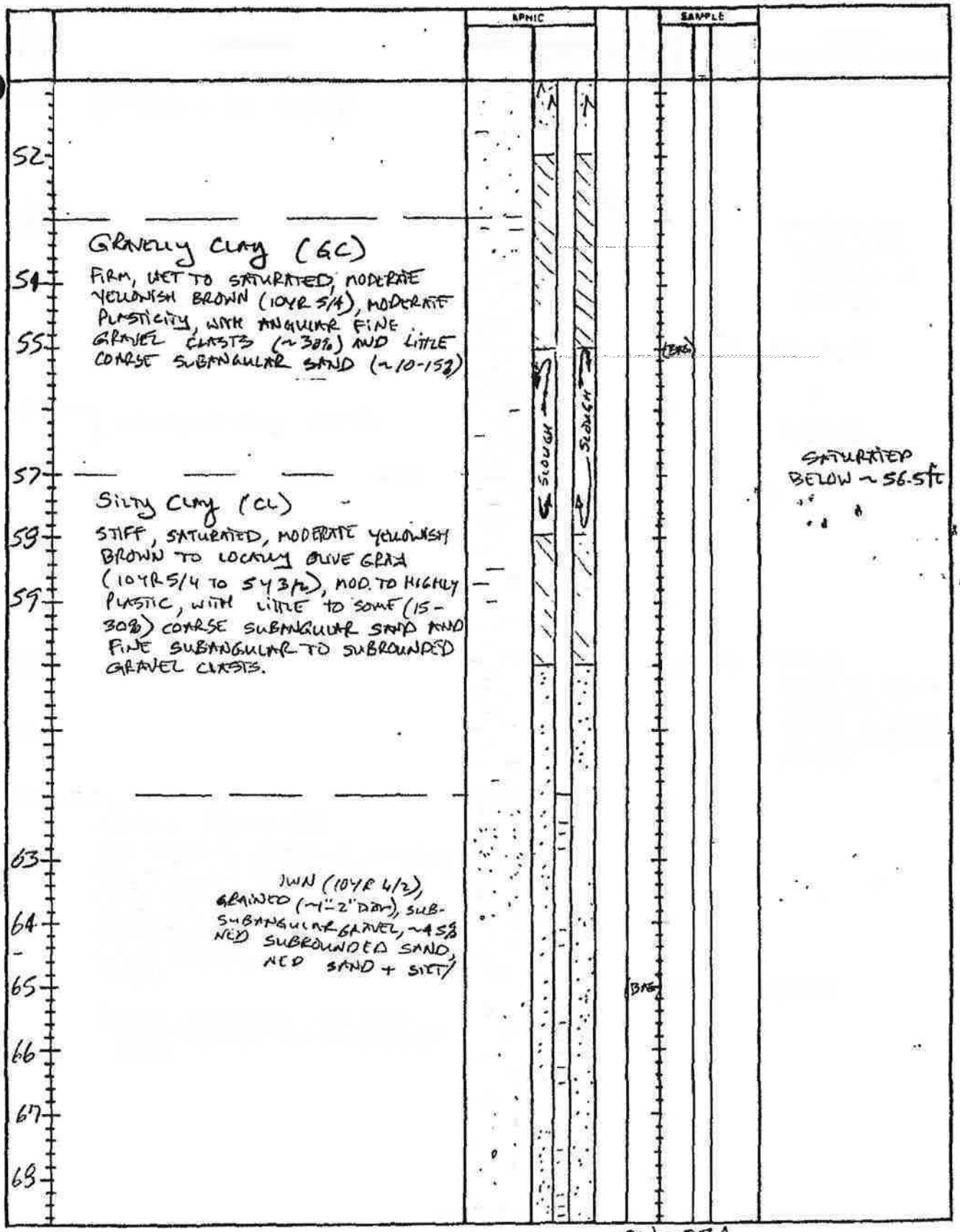
COR 1

GRAY (5Y

Consultants

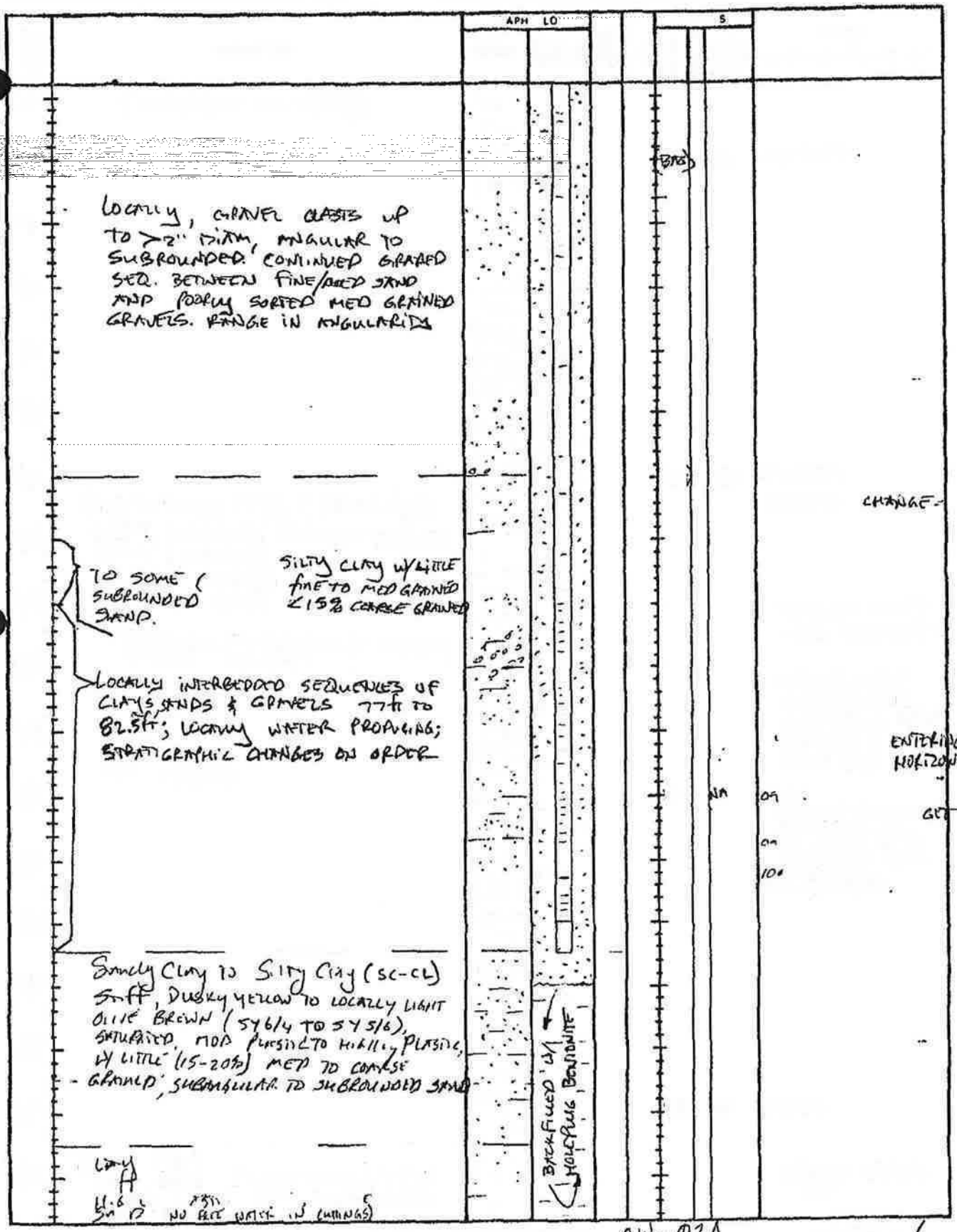


Depth	Description	PHIC LO	SAMPLE	Remarks
33				
34	MATERIAL BECOMES SILTIER; (CL-ML), LOWER PLASTICITY			
35	COLOR BECOMES LIGHT OLIVE GRAY TO MODERATE BROWN (5Y 5/2 TO 5YR 3/4)			
37				1700HRS ANNULAR SPACE PLUGGED W/ CLAYEY MATERIALS RETURN. HAD TO PULL TOOLS TO HOLE/CASING CLEAR
38				
	SILTY CLAY TO CLAY (ML-CL) FIRM TO STIFF, MOIST,			
40	COLOR BECOMES MODERATE BROWN TO MODERATE YELLOWISH BROWN (5YR 3/4 TO 10YR 5/4), MODERATE PLASTICITY			1815 ADDED 3RD 20ft SECTION OF ROD/DRIVE CASING 1825 RESUMED DRILLING
2				
3				SHUT DOWN @ ~43ft 1830HRS AWAITING ADDITIONAL COMPRESSOR ARRIVAL ; RESUMED.
44				
45				[illegible] EASIER 43' to 44' 0805HRS
6				
7	BECOMES SOFT TO FIRM 47			
	SILTY CLAY TO CLAYEY SILT (CL-ML)			
48	SOFT TO FIRM, MOIST TO WET, MODERATE YELLOWISH BROWN (10YR 5/4) MOD. PLASTIC, W/ TRACE MED TO COARSE GRAINED SAND.			
49				
50	DAR YEL [illegible] YEL [illegible] 14 TO 7R 6/6) W/ [illegible] ANGULAR FINE GRAINED GRAVELS			


APNIC
SAMPLE
52
54
55
57
59
59
63
64
65
66
67
68
GRAVELLY CLAY (GC)
FIRM, WET TO SATURATED, MODERATE YELLOWISH BROWN (10YR 5/4), MODERATE PLASTICITY, WITH ANGULAR FINE GRAVEL CLASTS (~30%) AND LITTLE COARSE SUBANGULAR SAND (~10-15%)
SILTY CLAY (CL)
STIFF, SATURATED, MODERATE YELLOWISH BROWN TO LOCALLY OLIVE GRAY (10YR 5/4 TO 5Y 3/2), MOD. TO HIGHLY PLASTIC, WITH LITTLE TO SOME (15-30%) COARSE SUBANGULAR SAND AND FINE SUBANGULAR TO SUBROUNDED GRAVEL CLASTS.
SLOUGH
SLOUGH
BAG
BAG
SATURATED BELOW ~56.5ft
DWN (10YR 4/2), GRAINED (~1"-2" DIA), SUB-SUBANGULAR GRAVEL, ~45% NED SUBROUNDED SAND, NED SAND + SILT/

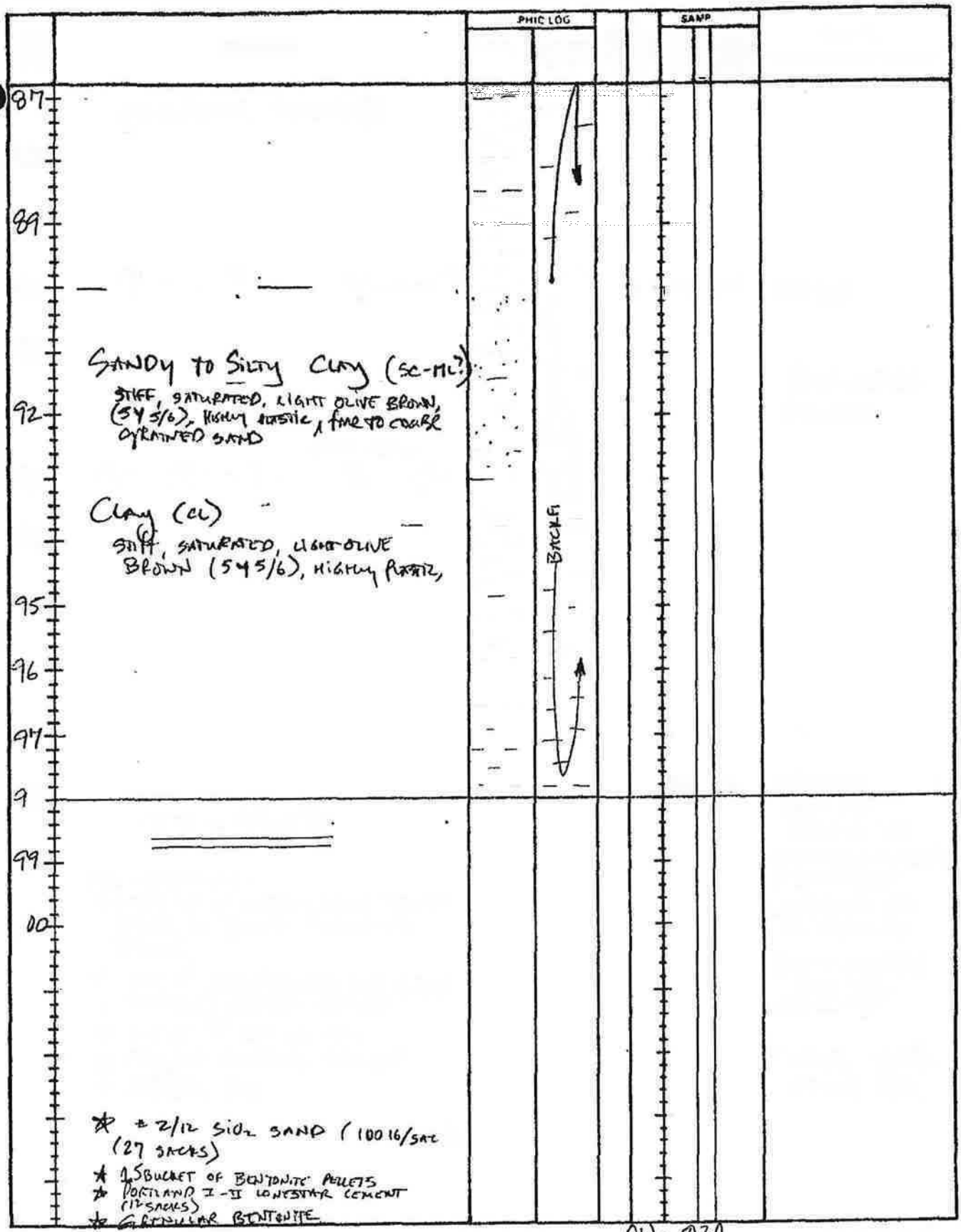
OW-03A

25/3W 10P9
NO. 9000314M



OW-03A

6


PHIC LOG
SAMP
87
89
92
95
96
97
9
99
00
SANDY TO SILTY CLAY (SC-ML?)
STIFF, SATURATED, LIGHT OLIVE BROWN, (5Y 5/6), HIGHLY PLASTIC, FINE TO COARSE GRAINED SAND
CLAY (CL)
STIFF, SATURATED, LIGHT OLIVE BROWN (5Y 5/6), HIGHLY PLASTIC,
BACKFI
± 2/12 SiO2 SAND (10016/SAC (27 SACKS)
1.5 BUCKET OF BENTONITE PELLETS
PORTLAND I-II LONESTAR CEMENT (12 SACKS)
GRANULAR BENTONITE

OW-03A

ABOVE)

52

53

54

55

(GC)

DENSE, RATED, (OYR 5/4) W/~35 ANGU 20% COARSE SAND, MOD PLASTICITY

56

-)

57

MOD PLASTICITY GRAINED SAND, GRAVEL

YRS/4)

58

59

60

61

62

63

64

65

66

67

68

FREE WATER

AGAIN

FREE WATER

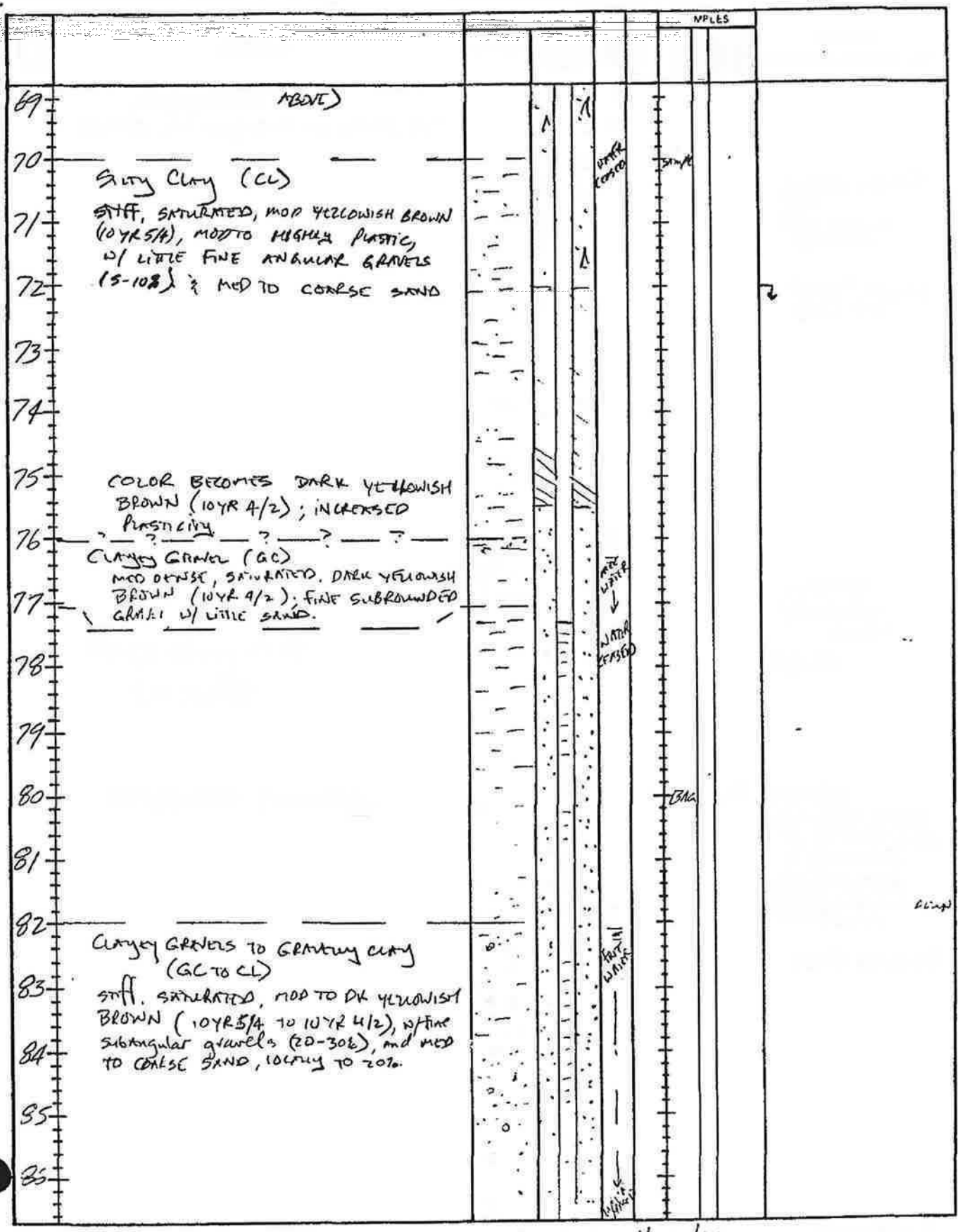
BAG

BAG

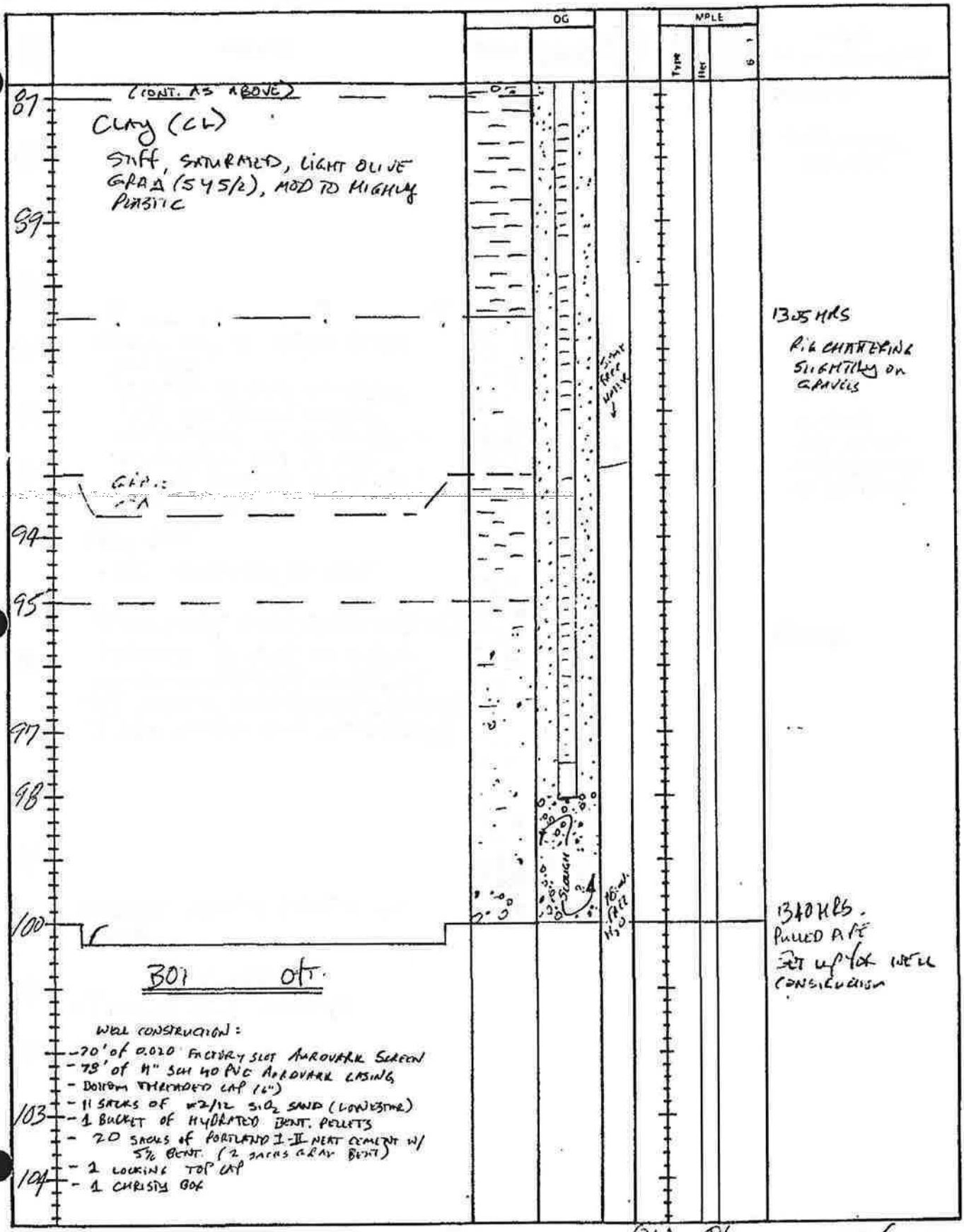
BAG

WATER

25/3W 16P11
NO. 90C0314A



25/3W 16P1L
NO. 90C0314A



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WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

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(WELL LOGS)

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No.

Date 9/5

Name liseum -5B

Location North East corner Ft stn

Boring Rotary Wash Rig Failing 1

um GR N URFACE R illing Wt

1		1	1	3, 4
2				
3				
4				
5	ty clayey sand (SC)	35		1
6	[illegible] layers of [illegible] and dry silty . clays.			2, 3, 4
7	mod. dense, saturated			
8				
9				
0	[illegible] gravelly	40		1
1	[illegible] to ½"	1		2, 3, 4 — 80
2	clay [illegible] w/ gravel			
3				
4				
5		5		1
6	amples		4	2, 3, 4
7		7		
8		8		
9		9		
0				

Rick 3075
432-9614

2S/3W 16P?1
Page 2
319709

No. 90C0314A

Name C[illegible] | Location North East corner [illegible]

Boring [illegible] Wash | Rig Failing

Datum Ground Surface | Engr. R Shilling | Wt. 1 0 | Drop

( ) coarse, tly brown, moderately -10 by weight ( )	50	1 2 3 4			
	55	1 2 3	0		
gravel [illegible]	60				
			50/2"		HIT GRAVEL REFUSAL on blow counts 0% recovery SPT bouncing on gravels
	9				

3/
319709

Date 9/5

Name Coliseum Location North East Corner of Stadium

No. 15 Gr. Type Boring R tary Rig Failing 1

Datum GROUND SURFACE R. Stilling Wt. Drops

70

6:20

Ran out of gas & Hard time cleaning

1

3

reveal ?

4

75

5 gravelly silty clay
grey to grey-brown, stiff
6 very stiff, plastic "non-permeable
7 gravel to 3/4" in sampler

10

1 2 3 4

nose dup

0

1 32

60 50/4"

2

3 fermenting

4 layers of more & less clayey sands and gravels

5

6 12 50/4"

3 4

7

8

9

13

0

No. 9 3 Date /6

Name Cali Location Nor East cor

Boring 4 . 4 Rig Failing

Datum Engr. L. Sinling Wt.

9

1

gravel

10

2

6

7

8

9

Date

Name Location

Datum Engr. Wt. Ham.

110

Silty Clay (CL-CH)
Light brown w/ light gray silty pockets, very stiff to hard, very little sand/some gravel

pler

Clayey silty
mottled brown
very stiff to

ks

cuttings reveal change back to clays
Silty Sandy C

120

1

, very ang l
lig own (v y stiff to hard)
ligh gr y lay matrix

2

bottom f hole
near and at

shoe

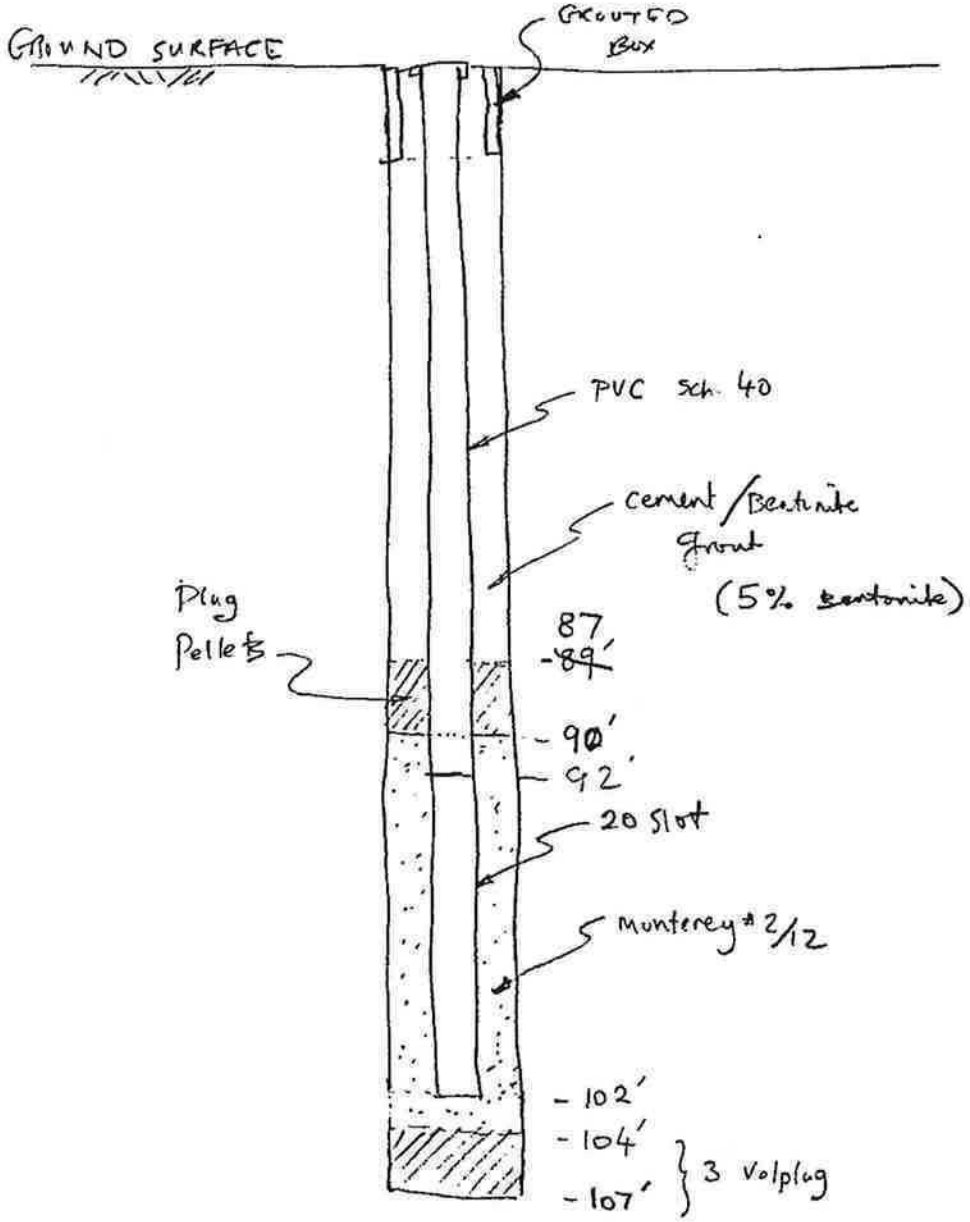
5

7

8

9

HOLE # 15'


GROUND SURFACE
GROUTED BOX
PVC Sch. 40
cement / Bentonite grout
(5% bentonite)
Plug Pellets
87'
-89'
-90'
-92'
20 slot
Monterey #2/12
-102'
-104'
-107'
3 Volplug

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(WELL LOGS)

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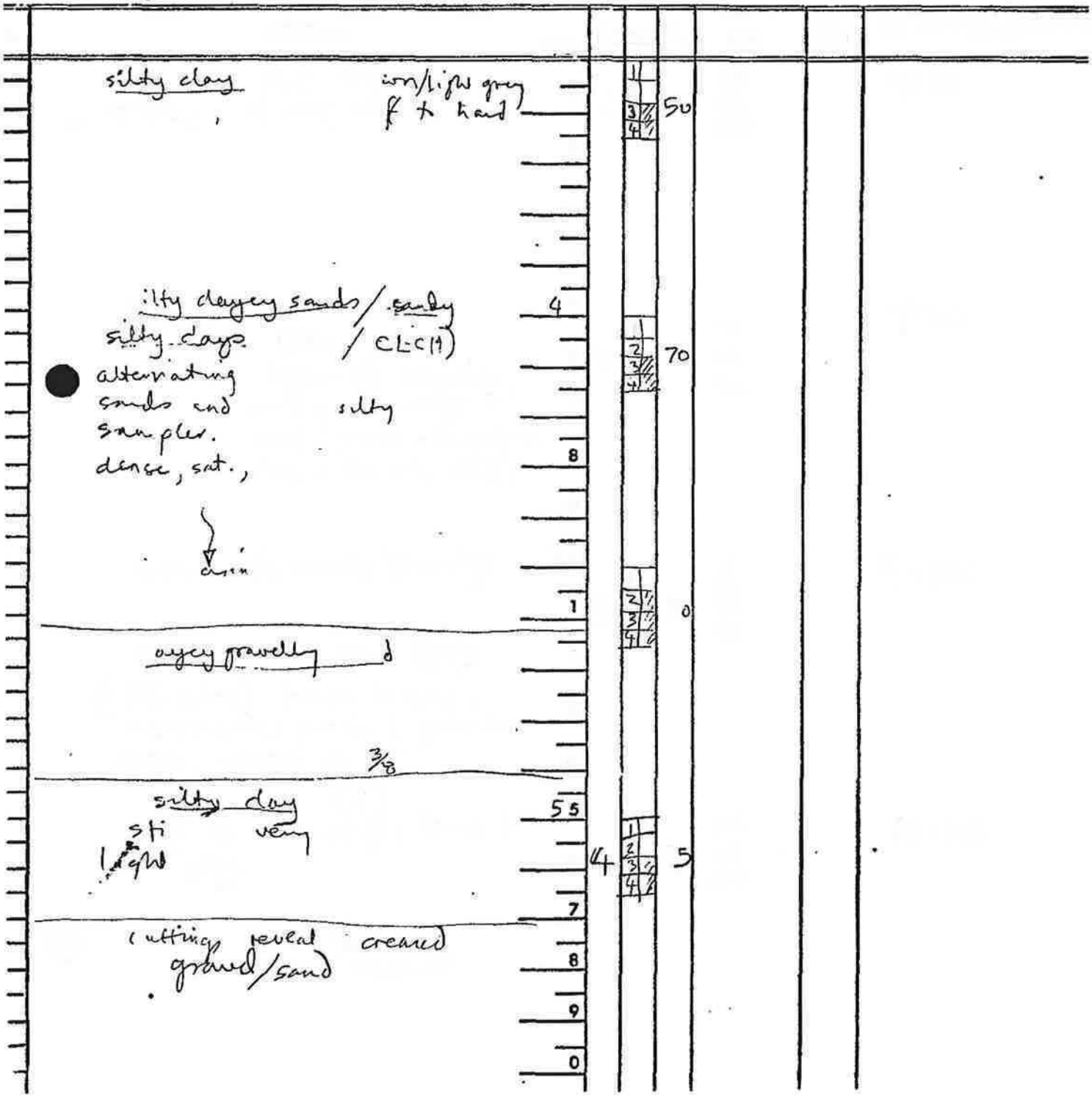
2S/3W 16P5
319711

Name Coliseum Location North east corner of

Boring Rotary Rig Failing

Datum GR SUR Engr. R. Shilling Wt. Ham. 140 Drop



Date 9/9

Name Coliseum — Location North West corner of

Hole No. 16/6B Gr. El. — Type Boring Rotary Wash Rig Failing

Datum Ground surface — Engr. R. Milling Wt. Ham. 140

Description	Depth	Pen.	Blows			
	60					
silty clayey gravelly sand (SW) brown/grey light grey pockets of silty sand gravel to 3/8" – sub-angular		1 2 3 4	20		–	
as above, slightly more clayey – gravels to 3/4" in sampler. coarse sands, Fe staining	6	2 3 4	49 50/5½"			
cuttings → wet … cups						
silty clay (CH gravel to 1 stiff, brown grey mottling	70	1 2 3 4	50			
	7	1 2 3 4				
	7					
	8					
	9					

No. 9000 A Date 9/9

Name Coliseum Location North west corner of stadium

No. 16(66) Gr. El. Type Boring Rotary Wash Rig Failing 1

Datum GROUN SU Engr. R. Shilling Wt. Ham. 140 Drop

80

gravelly sandy clay
gravelly
of shoe.

gravel 3/8",
to subs

very gravelly sand
gravel to 1",
sample drove
@ shoe

8

10

7

9

-CH)

brown w/ dark inclusions
stiff to very stiff
sandy pockets in
matrix

4

No good sample
(mail in shoe
only)
Finish hole

5

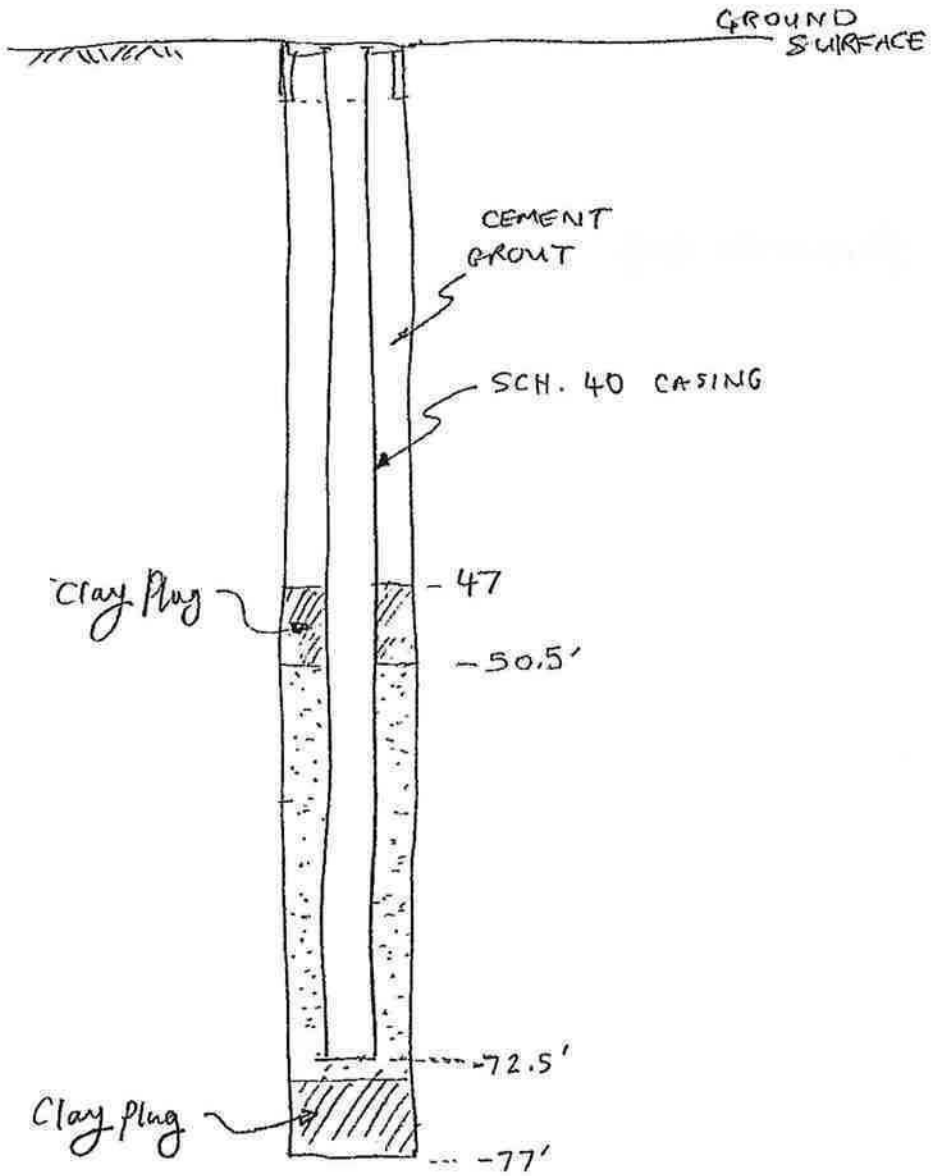
8

9

HOLE 16.

319711

AS-CONSTRUCTED SCHEMATIC



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WELL COMPLETION REPORT
(WELL LOGS)

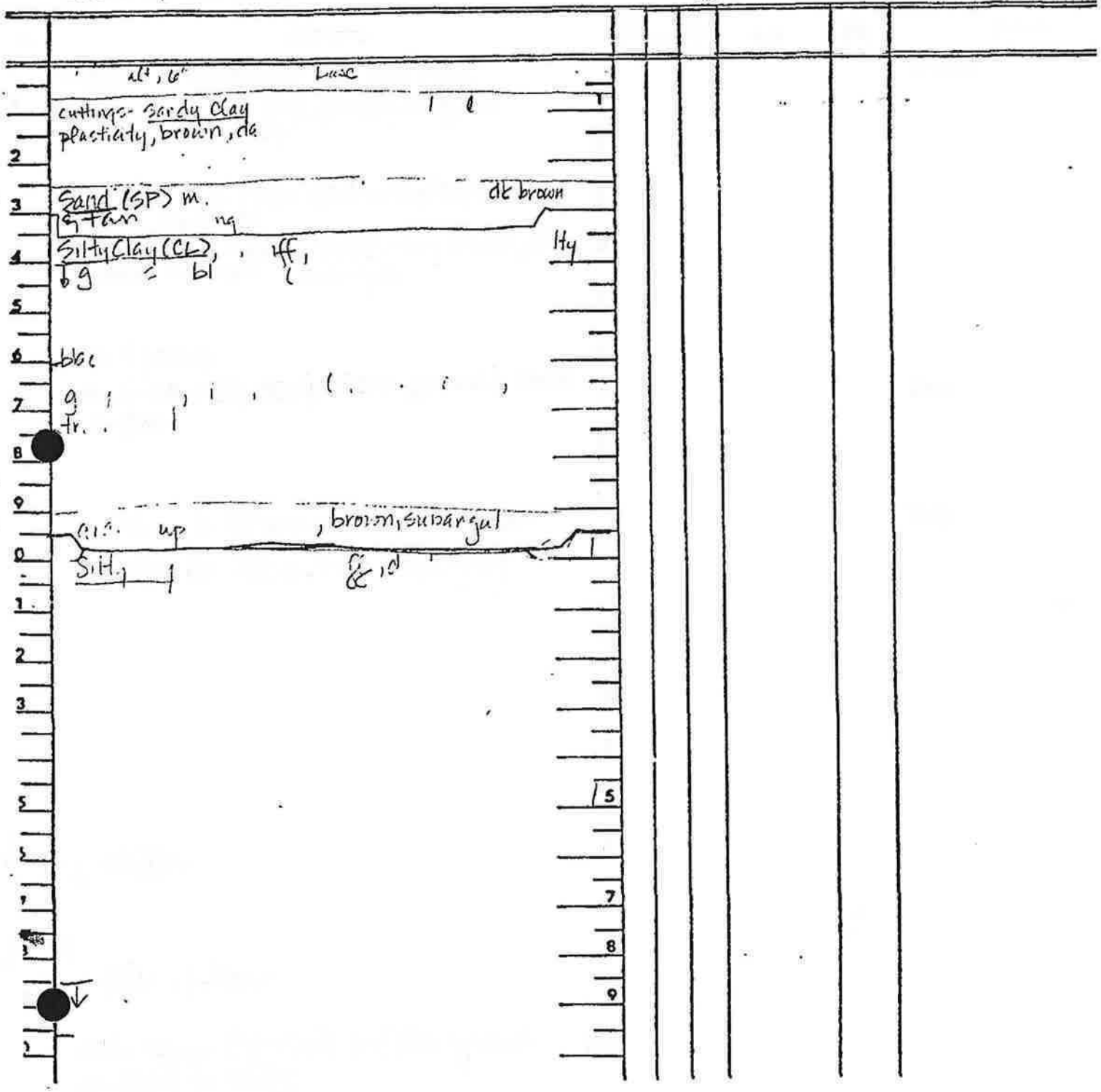
REMOVED

No. 90C0314A Date Sept 4, 1990

Name Oakland Coliseum Location Concourse Gate C

No. 90-13 Gr. 0 2 Type Boring MUD ROTARY Rig FAILING 1500

Datum Top of Pavement Engr. Chang Wt. Ham. 140#/30



25/3W-16P6
319.708

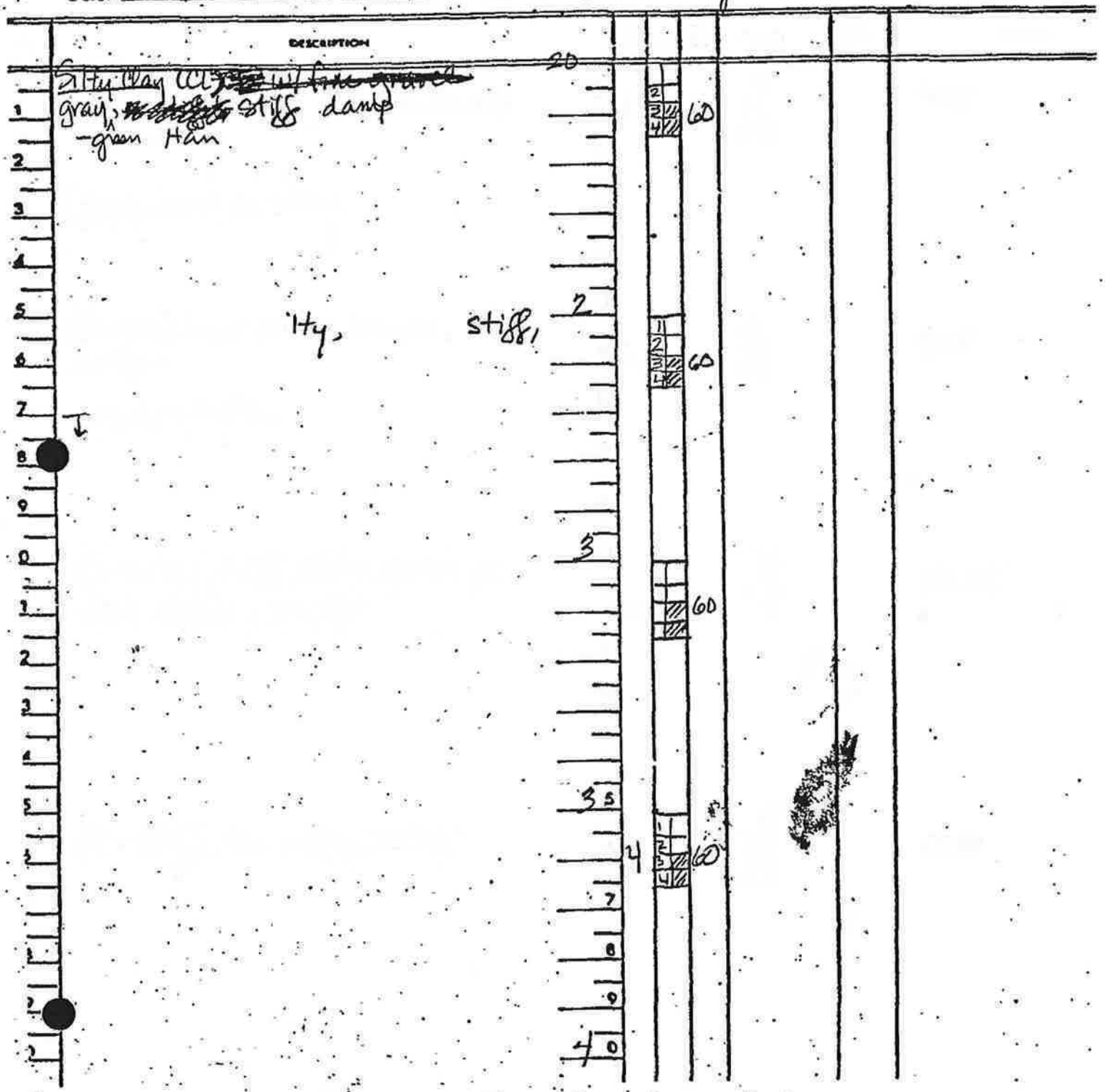
90C0314A

Date Sept 4

Name Oakland Coliseum Location

Boring Rig

Datum Engr. S. Chang Wt. Hom.



Date Sept 4 25/3W

Name ______ Location ______

Boring ______ Rig ______

Datum ______ Engr. Si Chang Wt. ______

Rec.

40

to v. stiff
brown

1 — 2, 3, 4 — 60 — 18 / 18

4

w/black lenses of silty
), v. stiff, moist

1, 2, 3, 4 — 65 — 10

8

50

1, 2, 3, 4 — 60

Grout

55

Silty clay (CL) very silty, sandy, stiff, moist

Sand lens - f. to coarse grained, dense, brown

1, 2, 3, 4

7

8

6

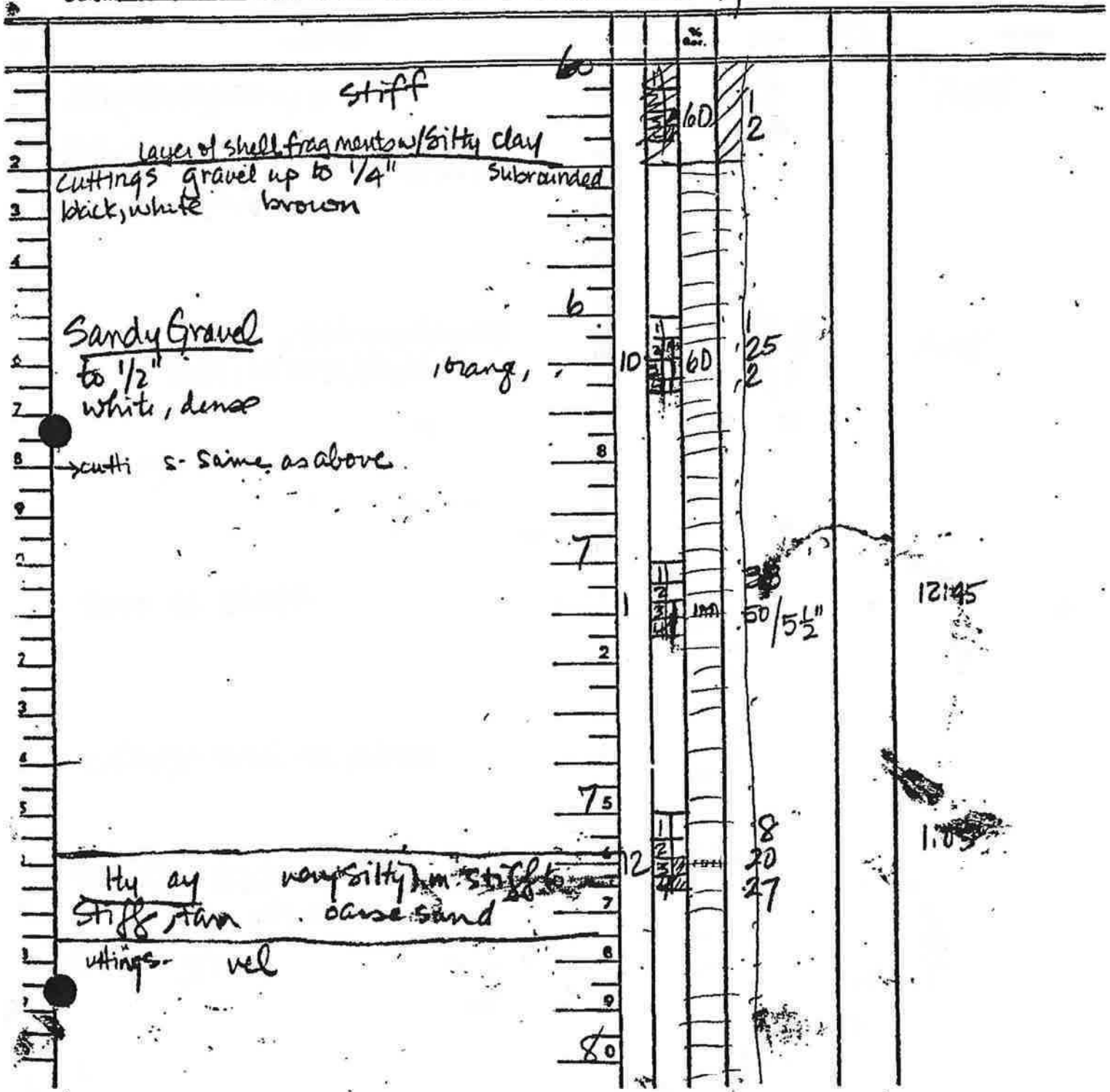
25/3W.16P6
319708

Job No. 90CD314A Date Sept 4

Name Location

El. Type Boring Rig

Datum Engr. S. Chang Wt.



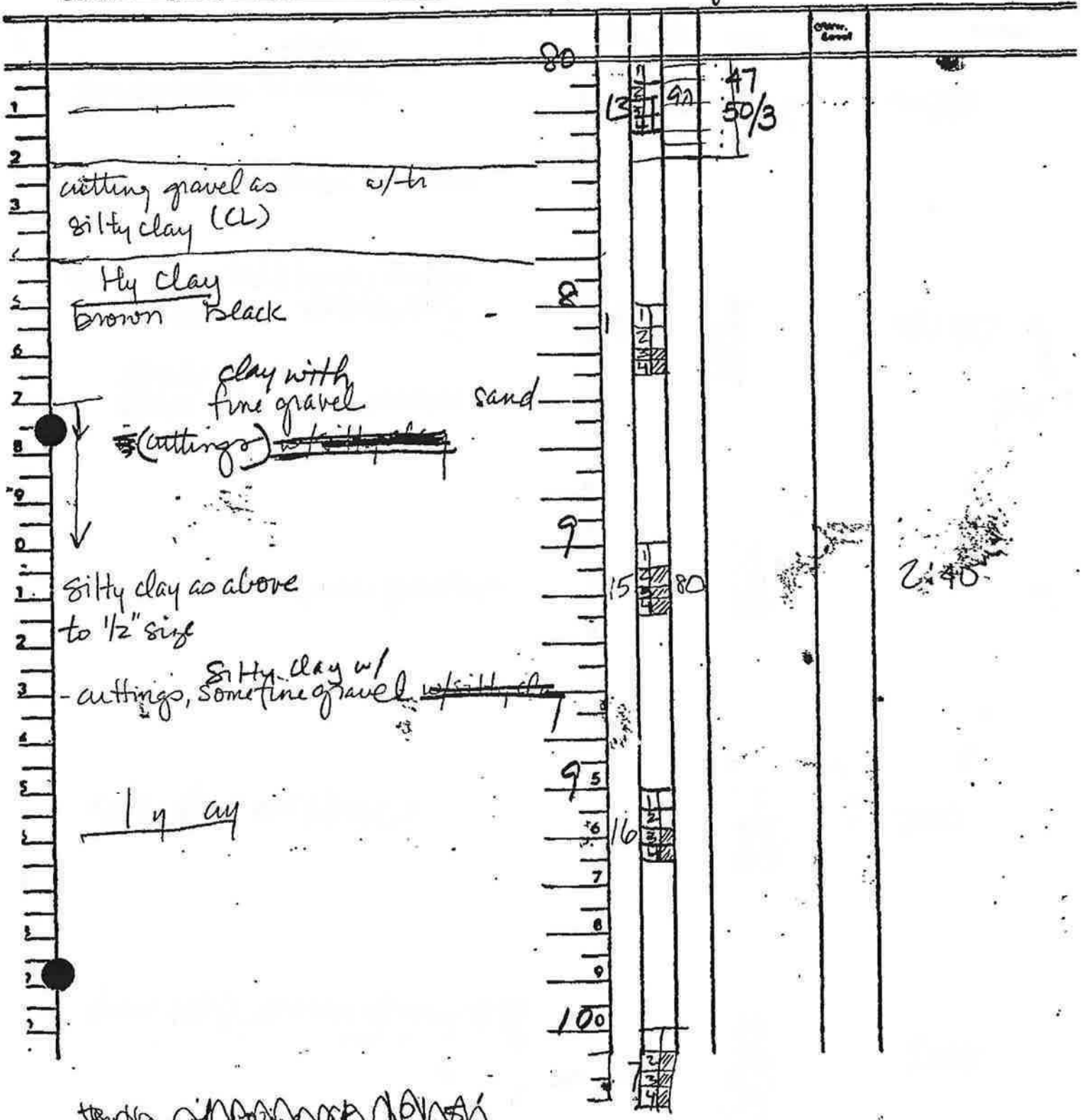
yd

Job No. 90C0314A Date Sept 4

Name Location

No. 90-13 Gr. El. Type Boring Rig

Datum Engr. S. Chang Wt.



Date 9/4/9

Name _____ Location _____

T _____ Boring _____ Rig _____

Datum _____ Engr S. Chang Wt. _____

100

Clayey
Gravelly Sands
w/ black
stained

10

18 2 3 4 0

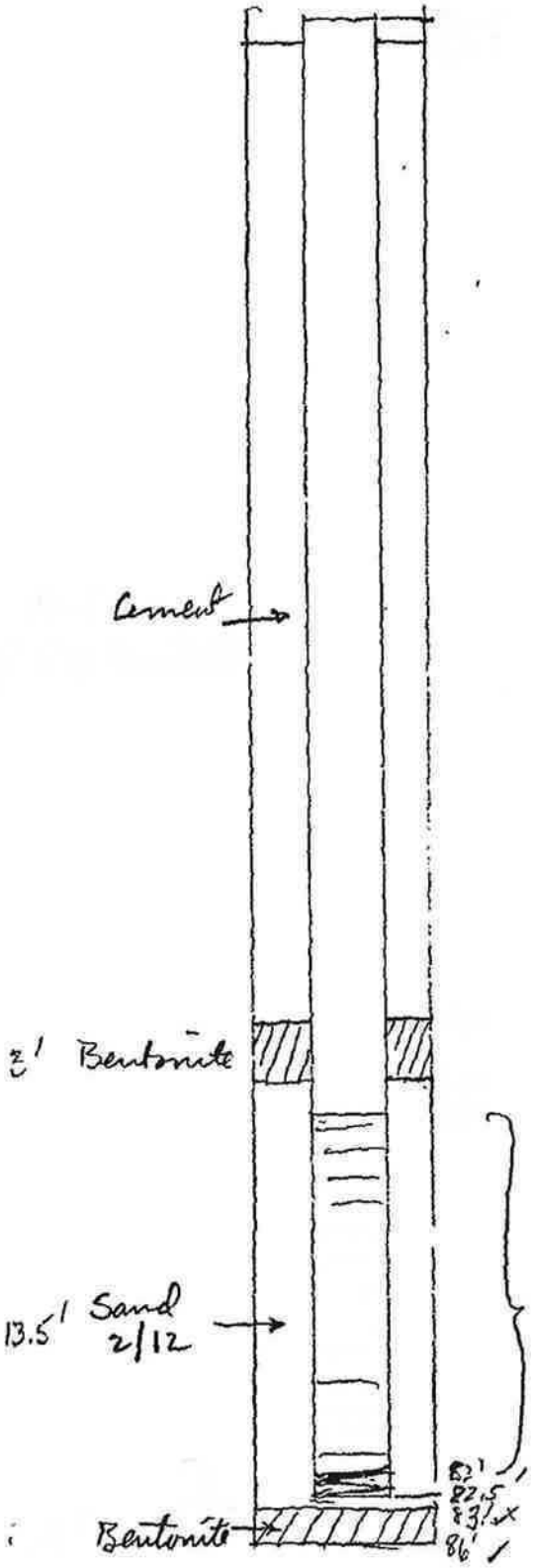
), silty
gravel

11

1 2 3 4 100

Bottom of boring 5 ft.

25/3 6P6



14 sand
14 cement

3
cement

01482A

~~01-482A-11~~ 3

Remarks:
by: S. Chang
Location: 76 ft. from north pier, 24 ft. from wall

LABORATORY

Unconfined

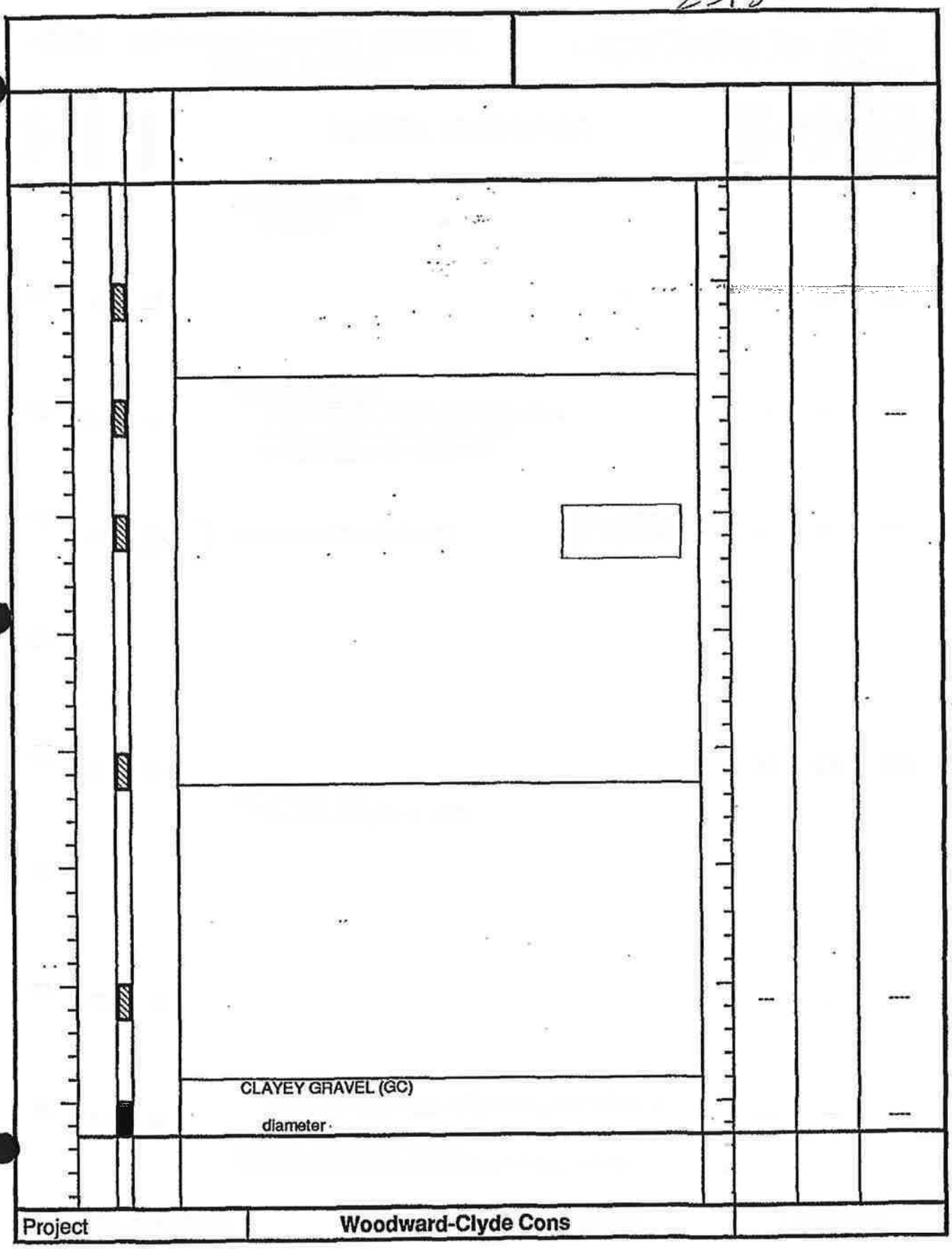
Surface I Imately +6 feet

SILTY CLAY

gravel up

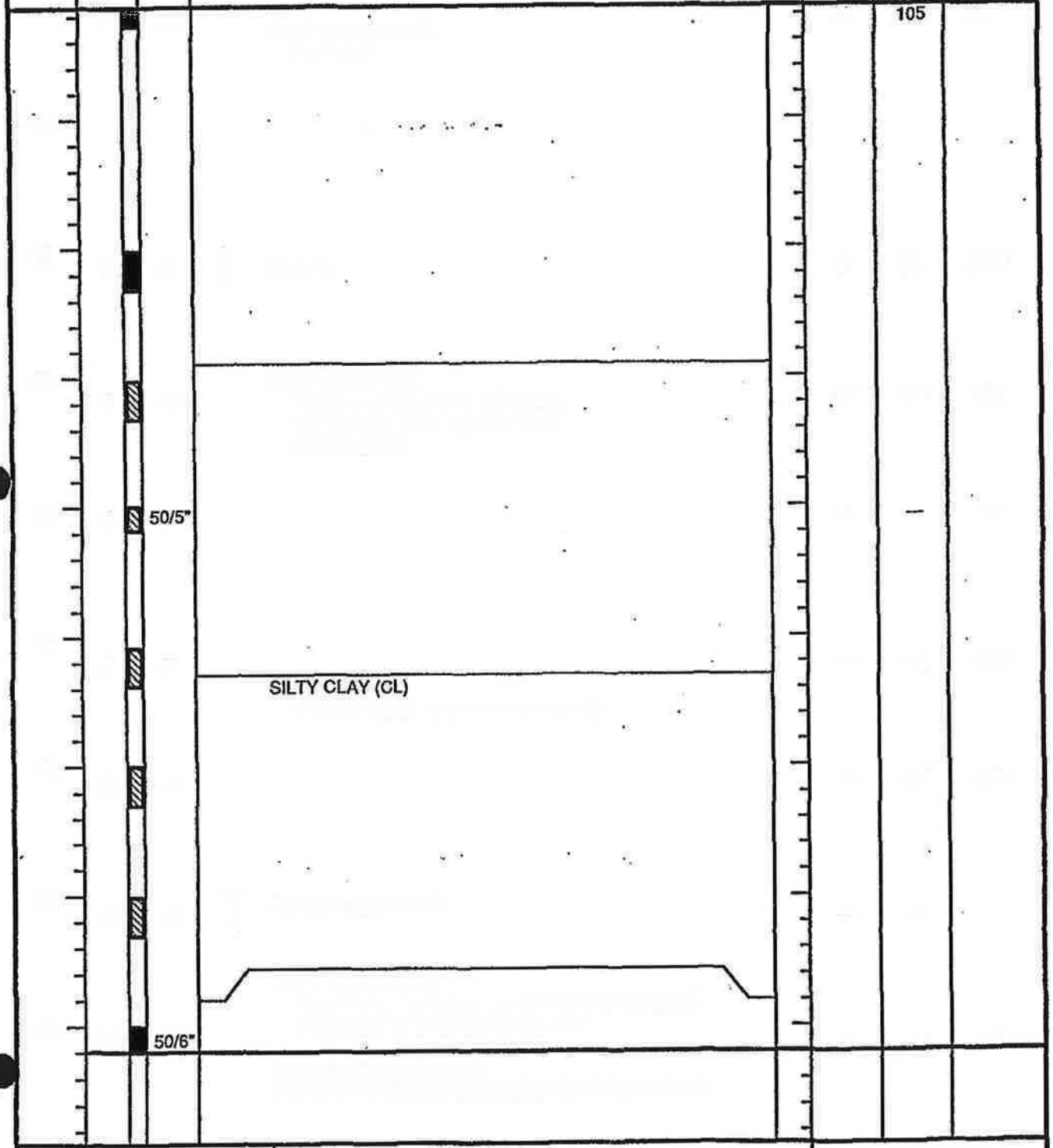
L c#(57-28332-6
874 075

2513



Project | Woodward-Clyde Cons

(Continued)



01-48 D /

Drilled: August 6, 1990
Boring: 4-7/8-Inch Rotary Wash
Hammer Weight: 140 pounds/30" fall

Remarks:

LABORATORY TESTS

Unconfined Compress.

Surface Elevation: Approximately

Moist, brown, gravel

Project No.

Woodward-Clyde Consultants

Figure

Dakland Coliseum 90C0314

BORING LOCATION Near OW5B by Pit Area			ELEVATION AND	
DRILLING AGENCY Pitcher	DRILLER Steve		STARTED FINISHED	7/7/90
DRILLING EQUIPMENT Failing 1500			COMPLETION	
DRILLING METHOD Rotary	DRILL BIT 9 7/8"			ST.
SIZE AND TYPE OF CASING Sch. 40 4" PVC			WATER ELEV.	COMPL. 24
TYPE OF PERFORATION	FROM 74	TO 54 FT.		CHECKED
SIZE AND TYPE OF PACK 2x12 Lapis Lustre	74	TO 52 FT.	Bill ff	
TYPE OF SEAL bent-pellets / grout-cement	FROM 52/50	TO 50/.05 FT.		

GRAPHIC LOG | SAMPLES | Type | Recovery

ASPHALT 6" ... RAV

... TE CLAY (CL)

Mud Cuttings

2

5

7

... (CL), firm, ... f.g.-f.g. sand

grout seal from 50'

Sch 40 4" PVC blank from 54'

12

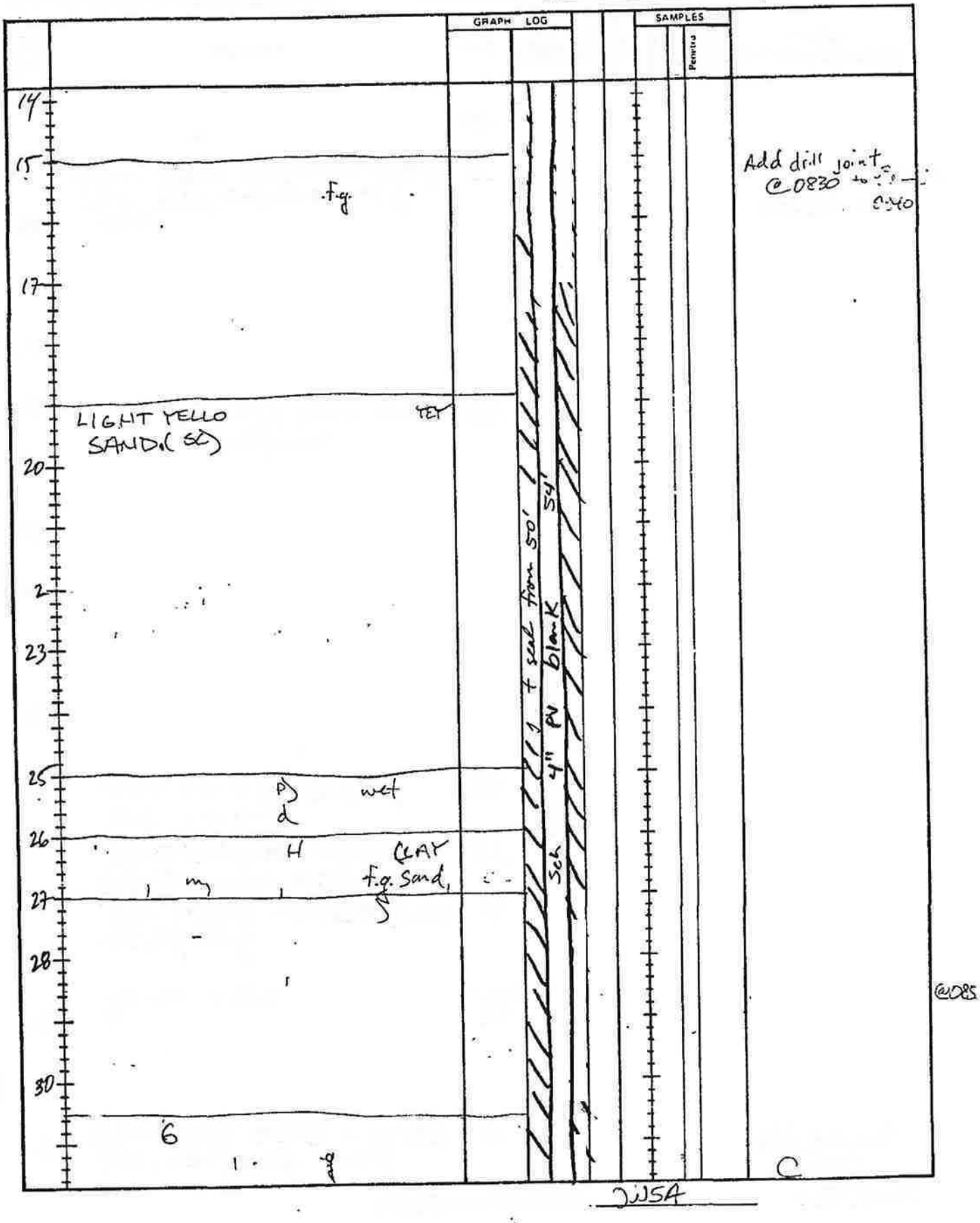
... E GRAY SILTY CLAY (CL)

14

OW5A

319704

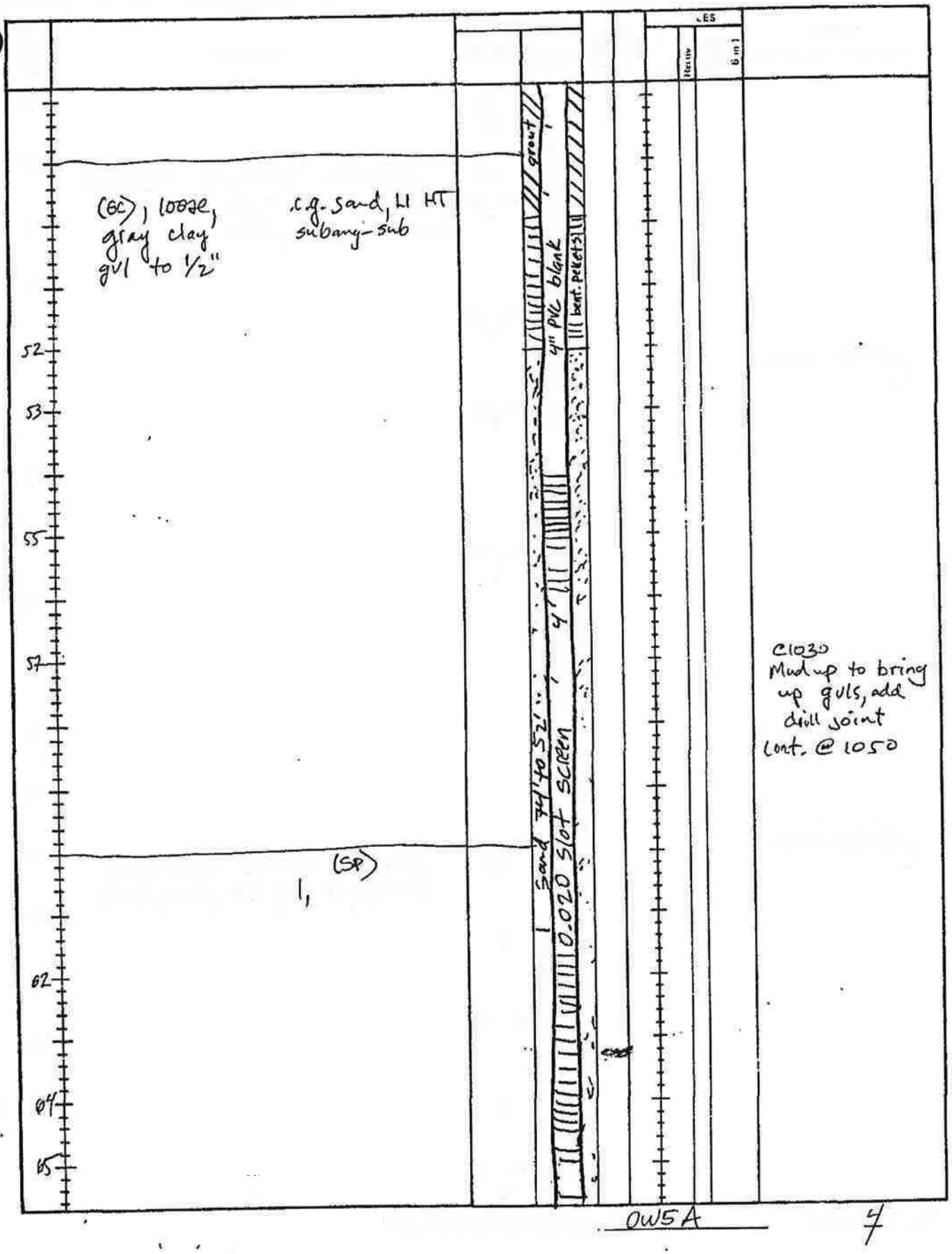
Oakland Colrs NO. 90C0314



90C0314

Depth	Description	Graphic log	Well construction	Notes
				7
33	GRAY SILTY CLAY (CL) firm, m f.g sand, 15-20% silt			
35	GRAY dense, wet, sand, 15- ( ),	o		
	LT BROWN d. dense, wet, f.g.-m.g. sand			
37	DARK GRAY gravel (CL), f.g.-m., st, 15-25% gravel		4" PVC blank f 54 SCH 40; grout seal from 50'	
		CL		
42	GRAY (GP), wet	o		
44				
45				
	LT BROWN (GC), hard, wet, subrounded gvl to 1/2"			
47	GRAVELLY SAND RAVEL (SP/GP)	SP/GP		1006

A


(GC) loose, gray clay gvl to 1/2"
c.g. Sand, LI HT subang-sub
grout
4" PVC blank
bent. pellets
Sand 74' to 52'
4" 0.020 slot screen
(SP)
52
53
55
57
62
64
65
C1030 Mud up to bring up guls, add drill joint cont. @ 1050
OW5A
4

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

90C0314

BOR NG LOCAT North p imet wal y		ELEVATION AND	
DRI AGEN Pitcher	DRILLER Steve	DATE STARTED DA ISHED '90	9/6/90
DRILLING EQUIPMENT Failing 1500		COMPLETION DE / 0(	
D LLING METHOD ud Rotary	IT 4 7/8", 9 7/8"	NO. OF SAMPLES / DIST.	UNDIST.
SIZE AND 4" Sc 4 PV		WATER ELEV.	
TYPE OF PERFORATION 10	FROM 100 TO 80 FT.		
SIZE AND TYPE OF PACK 2X12 Lapis lustre	OM 100.5' TO 78 FT.	to ff	
T PE OF SEAL bentonite/gro cement	FROM 78/76 TO 76/0.5' FT.		

Depth	Description	Graphic / Well	Remarks
	ASP LL, EROCK, CLAYEY		logging mud cuttings to 40' ↓
2			
4			
5			
	DARK CLAY (CL) moist,	4" bl k from 80'; grout seal from 76	
7			
	6 (CL), firm, pebble gvls ubang- nded trace sand		
12	LIGHT YELLOWISH (CL) Stiff, moist		
14	BL (CL), firm, moist,		

OW4B

90C0314

GRAPHIC L | SAMPLES

14

7

22

OLIVE GRAY CLAY (CL), soft, moist, mottled w/ yellow brown clay,

25

26

SAND/ GRAVEL / GRAVELLY SAND (SP/GP), wet, LIGHT BROWN med dense, ang-subang gv m.g.-v.c.g.,

7

28

Sch 40 4" PVC bl K from 80'
gro t seal from 76'

cuttings ↓

Add diff joint, clean mud tub @ 1540

1542 cont'd.

SAMPLI

2

33

37

42 GRAY GRAVEL (GP), loose, wet, Subang-rnded gvls to 1" in size. 10-15% v.c.g. sand.

4" v blank fro 80

grout seal fro 70'

45 H SILTY ff, moist,

4

5

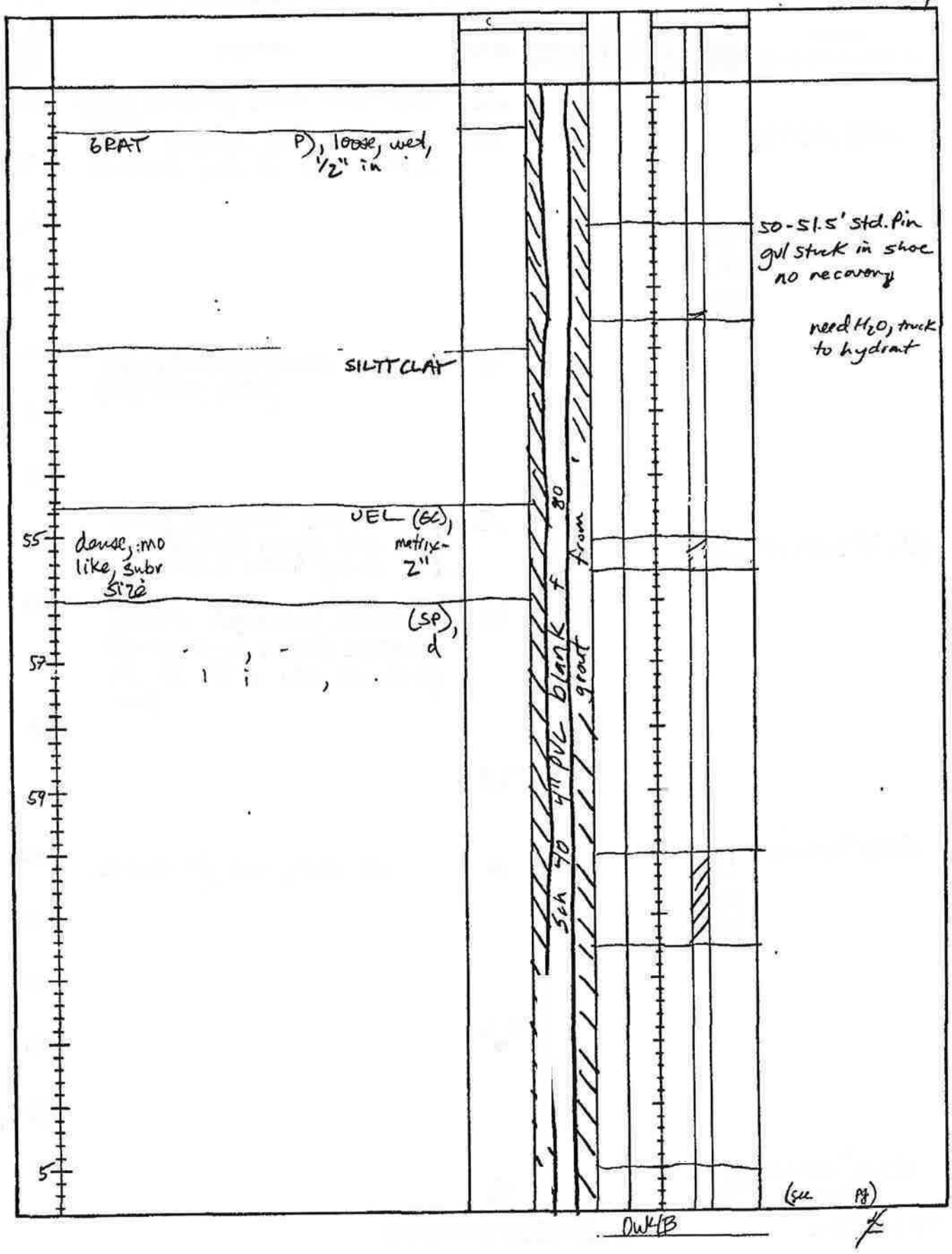
1

@1

47

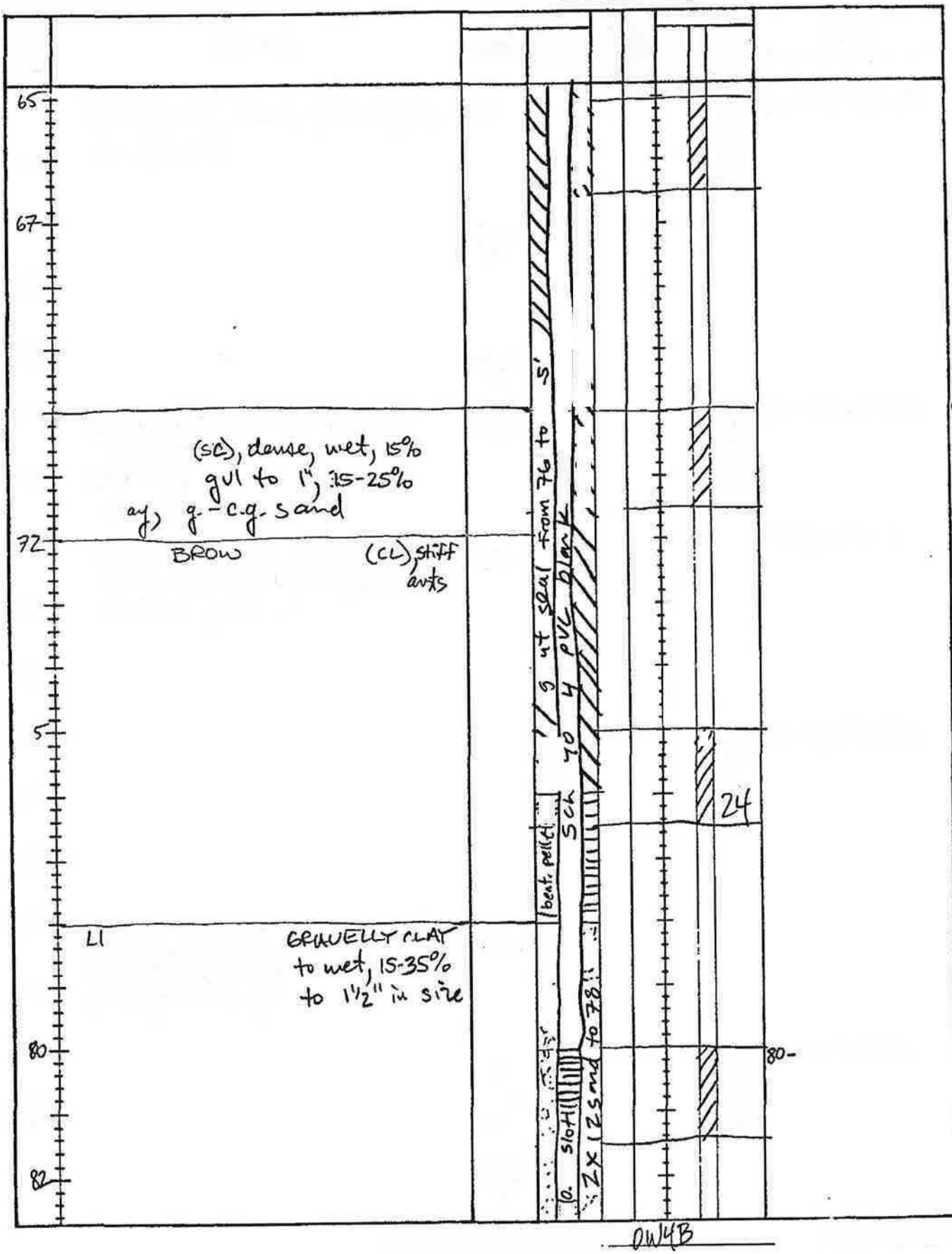
48

9000314

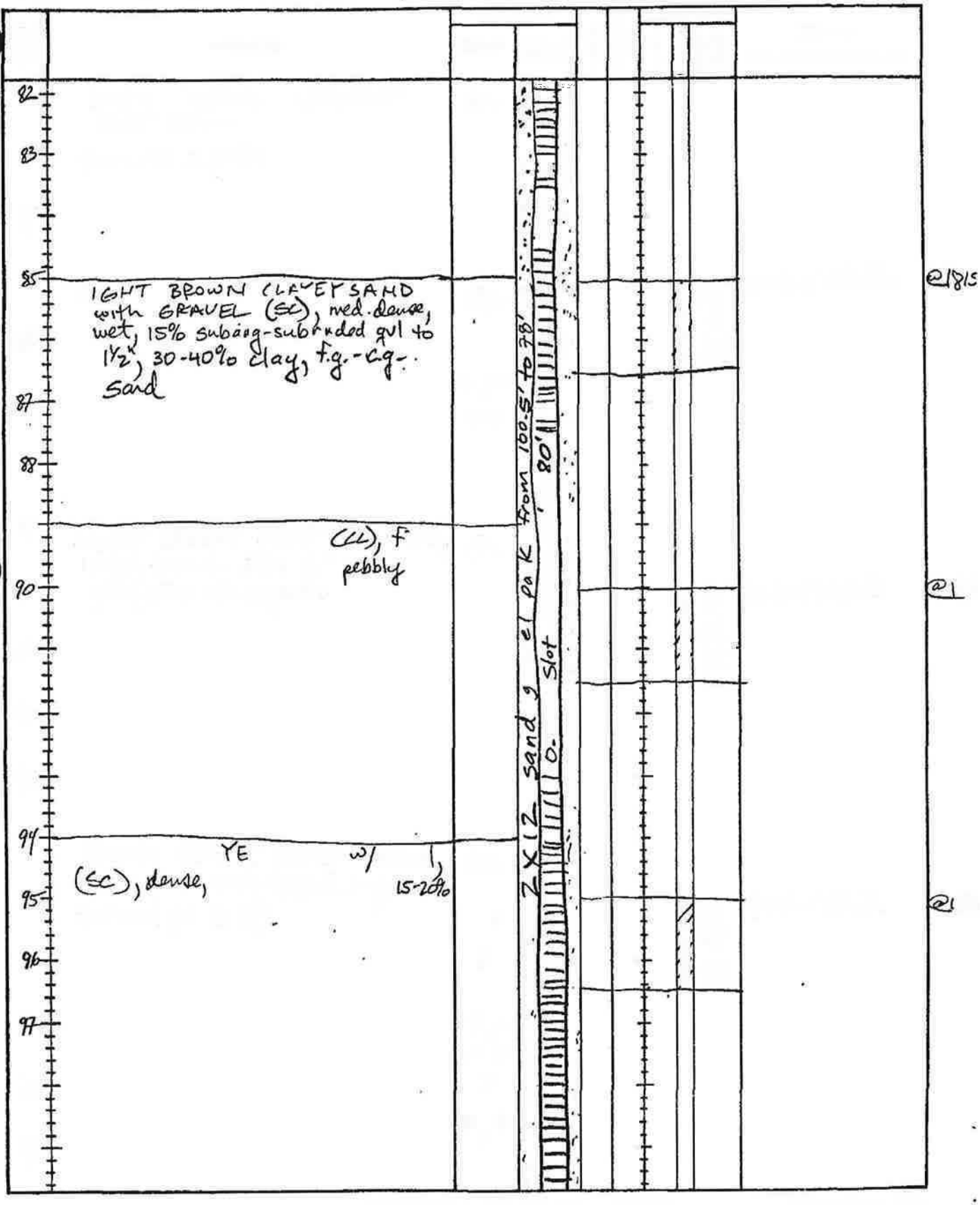


e1711

Oakland Coliseum



E. Oakland Coliseum



		GR	LOG			SAMPLES		
100	HT BROWN (CL)							@ 190
102								1918 - Drillers depart 1925 - check "mess" - tell Ray - depart 1940 - gas

0 4B

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

9060314

BORING LOCATION South perimeter walkway		ELEVATION AND DATUM	
DRILLING AGENCY Pitcher		DATE STARTED 9/4/90 DATE FINISHED 1/5/90	
DRILLING EQUIPMENT Fail		COMPLETION DEPTH 93'	SAMPLER
DRILLING METHOD Mud R			
SIZE AND TYPE OF CASING 4" PVC SCH 40		F RST	COMPL.
TYPE OF PERFORATION 0.010	FROM 73 TO 88 FT.	LOGGED	
SIZE AND TYPE F PAC 2x12 Lapis Lust.	FROM 93.5' TO 86 FT.		
TYPE OF SEAL bent. pellets / grout	FROM 86/84 TO 84/~1 FT.		

GRAPHIC LOG | LES

0 — fill (GC)

LIGHT BROWN LEAN CLAY (CL) firm, moist, trace f.g.-m.g. sand, 10% mottled w/ gray clay

- Color change BROWN, 5- in clay

11

Advance to 20' Mud cuttings log, 15' Kelley

grout seal from 84' to surface

CH 40 4" PVC blank to 88'

DWB

14

Alluvium contd.

change to DARK

17

Y AT

otlbs

4

25

C), stiff,

27

moist, subang in clay

1/2'' olive

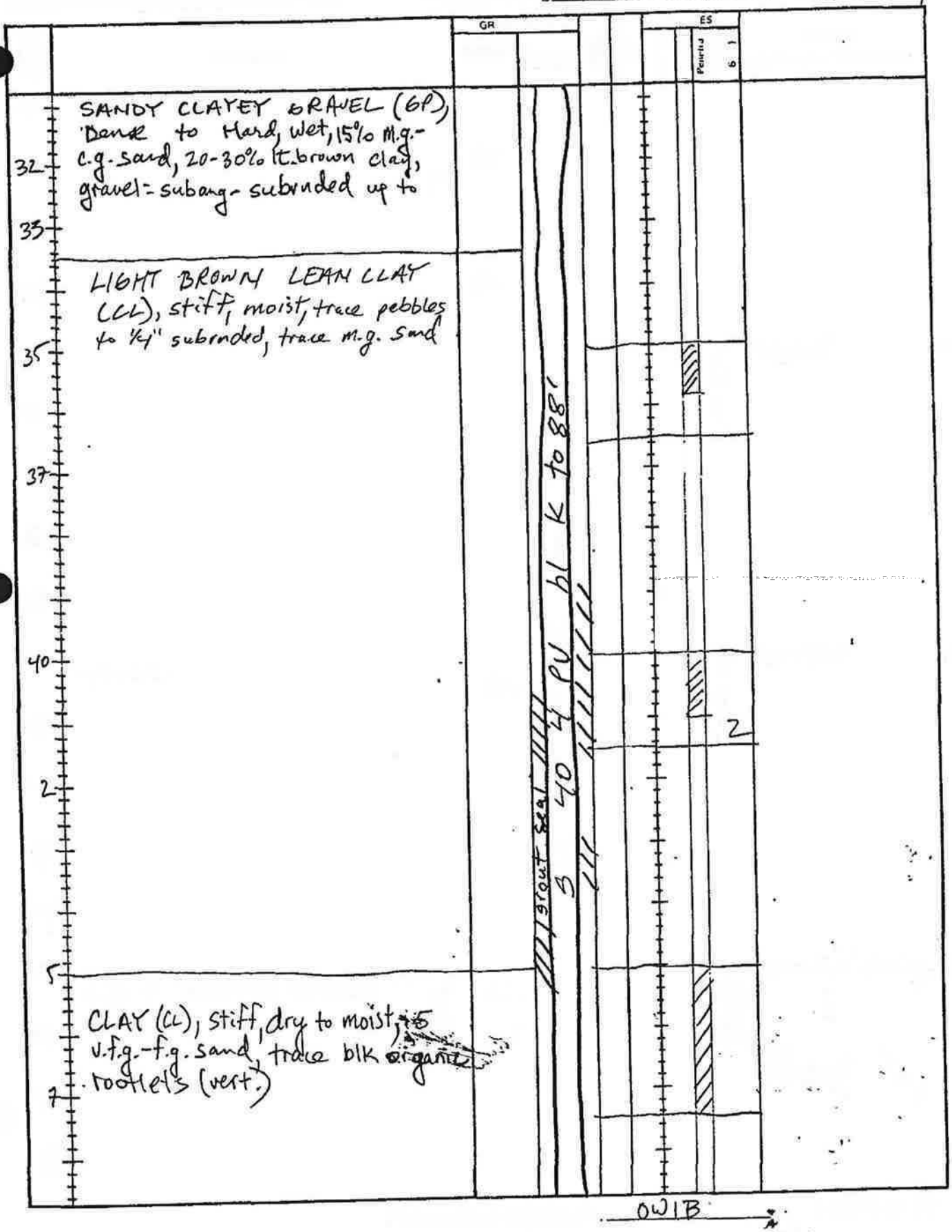
Grout & 4" PVC to 88'

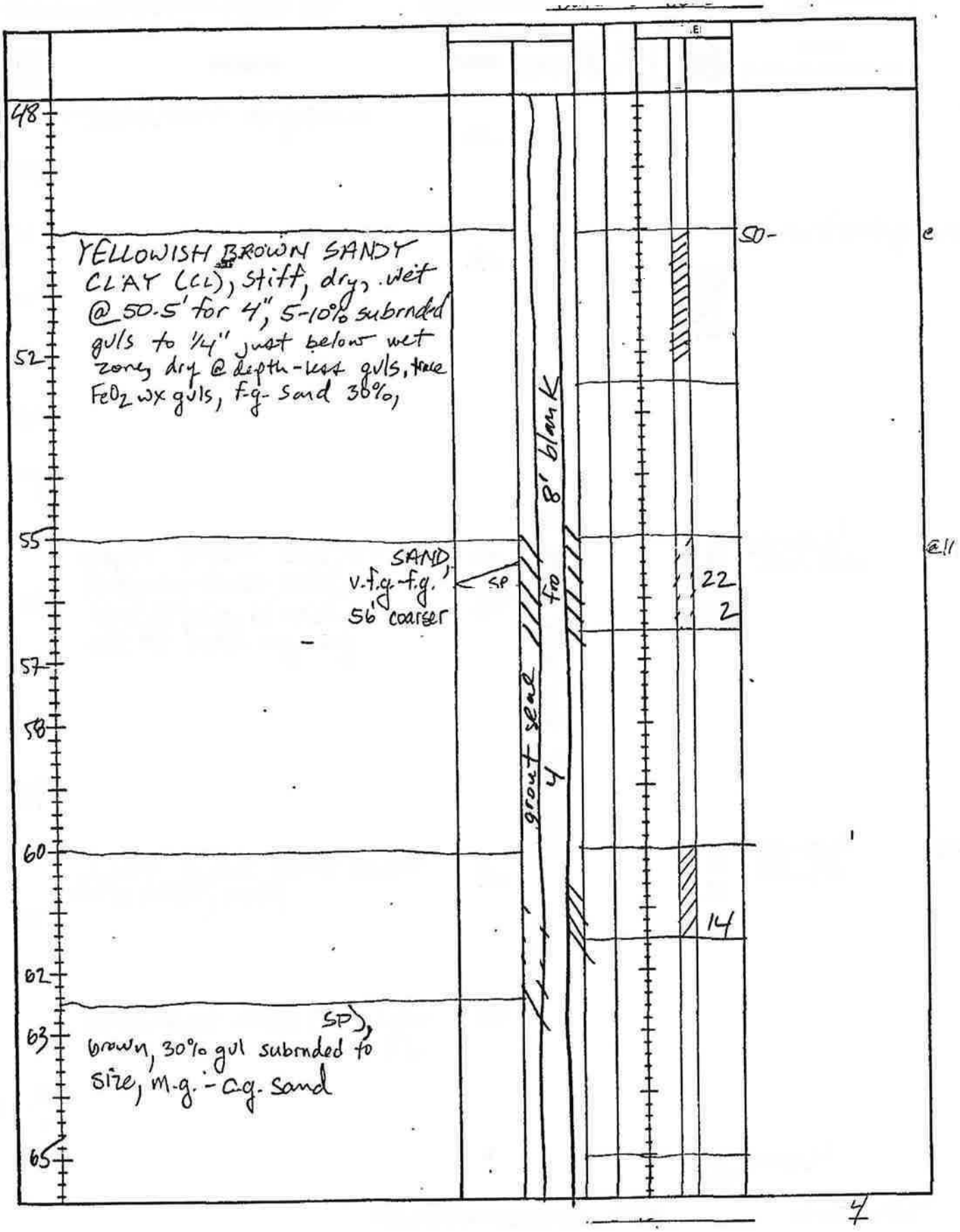
SANDY CLAY/GRAVELLY CLAY (CL), LIGHT OLIVE BROWN, stiff, moist trace mottling, 15-20% m.g. sand, 15-20% rnded pebbles to 1/4"

vd lez

NO. OW1B

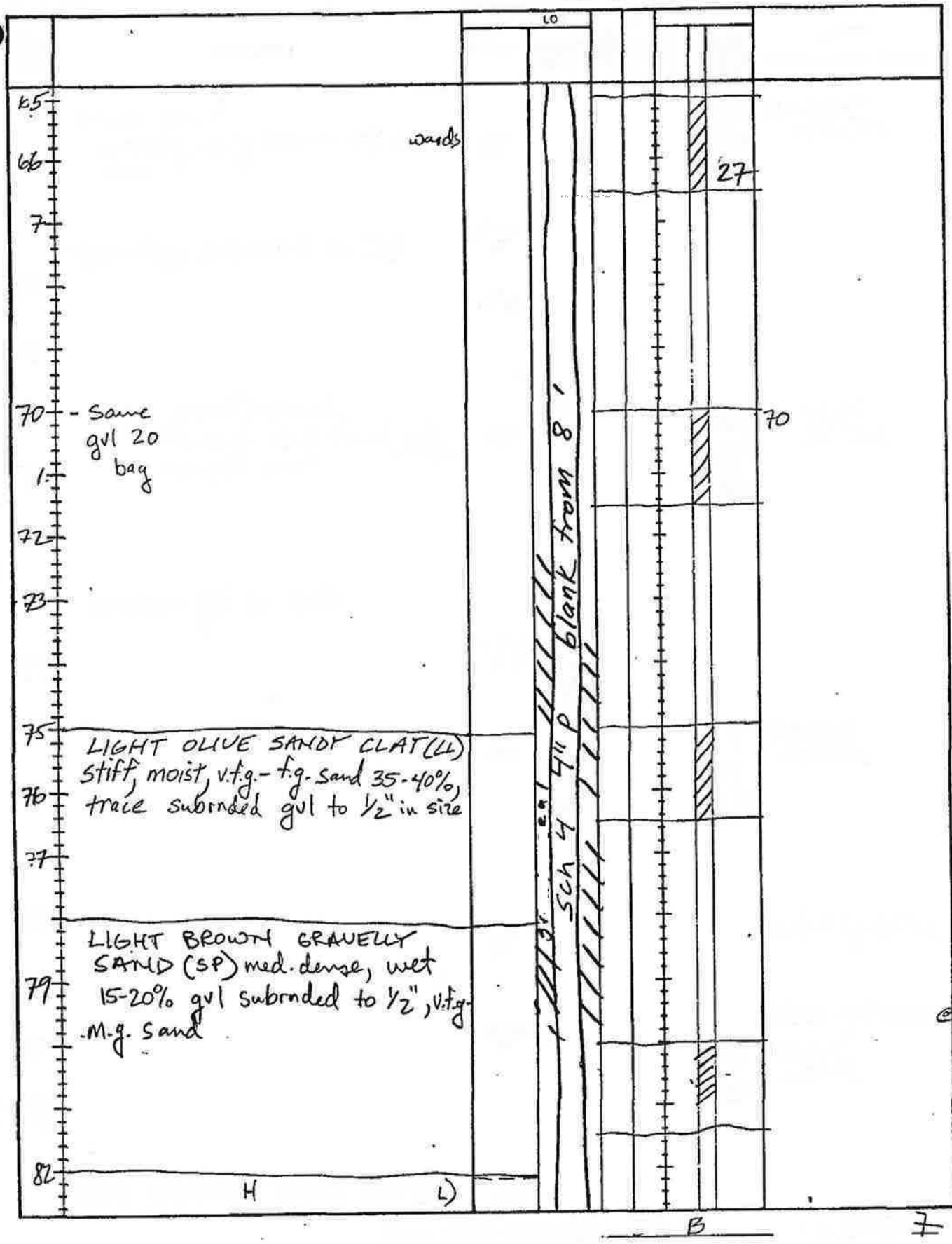
E Oakland Coliseum 9000314




48
52
55
57
58
60
62
63
65
YELLOWISH BROWN SANDY CLAY (CL), stiff, dry, wet @ 50.5' for 4", 5-10% subrnded gvls to 1/4" just below wet zone, dry @ depth - less gvls, trace FeO2 wx gvls, f.g. Sand 30%,
SAND, v.f.g.-f.g. 56' coarser
SP
brown, 30% gvl subrnded to size, M.g.-c.g. Sand
SP),
8' blank
to
grout seal
4
50-
22
2
14
@11

319703

Oakland Coliseum NO. 900314



9000314

SAMPLES

cont'd

LIGHT YELLOWISH BROWN CLAY (CL), firm, moist, trace mottling gray CL, trace v.f.g. Sand

LIGHT BROWN (SP), med. dense, 5% subrnded gv -mg. sand, in size

LIGHT YELLOW BROWN SANDY CLAY (CL), s to v.stiff, moist, 25-30% v.f.g.-fg. Sand,

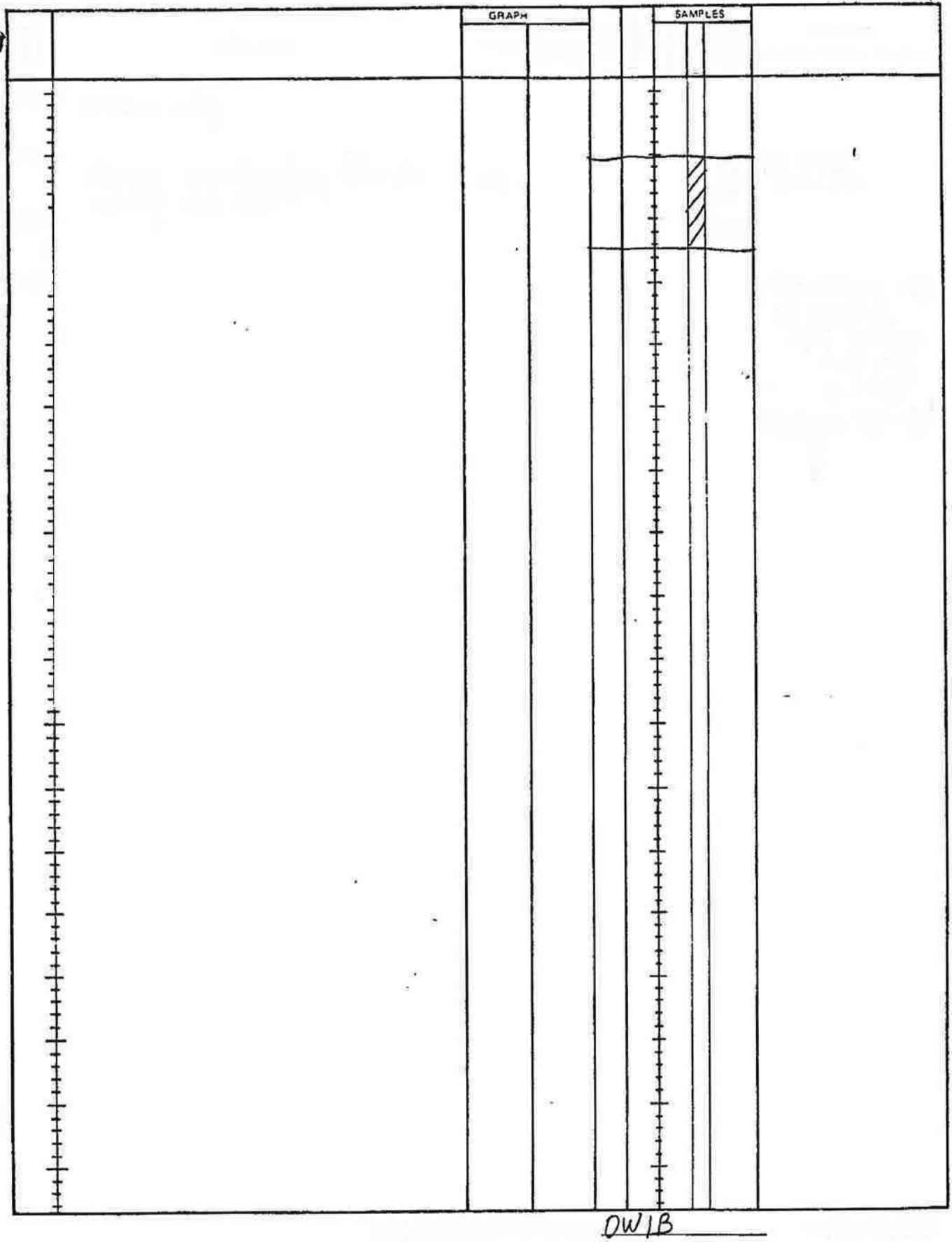
4" PVC blank 88 3" bgs / grout seal

2x12 sand 10ft 3 88

Vol plug chips 96-5-93

@13

E. Oakland Co 900314



DWIB

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

OF COLISEUM IN PARK LOT; OF OWNER		TUM
	ER: MD CHIVRELL	DATE STARTED 9/1 DATE FINISHED '90
DRILLING EQUIPMENT Spec SIII		COMPLETION DEPTH
LIN R		
SIZE AND TYPE OF CASING DRIVE CASING 9 5/8" OD/8 5/8" ID; WELL " PVC		
TYPE OF PE 0.020" FI		
TY E S LOWSLOT		

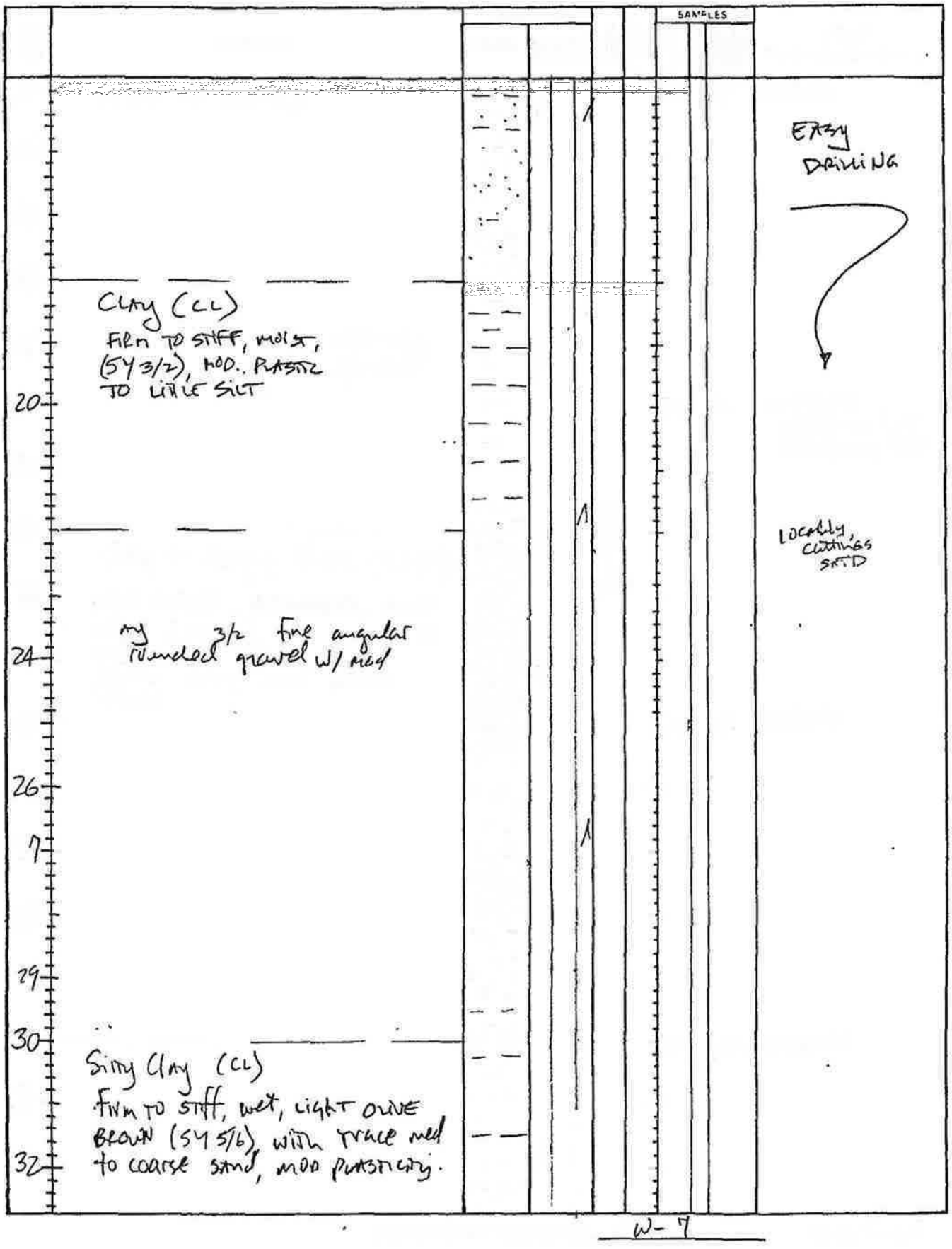
PLES

ASPHA

FIRM, DAMP, DARK YELLOWISH BROWN (10YR 4/2), WITH LITTLE COARSE SUBANGULAR SAND & TRACE FINE GRAVEL (FILL)

FIRM TO STIFF, DAMP, OLIVE GRAY TO DARK YELLOWISH BROWN (5Y 3/2 TO 10YR 4/2) WITH ANGULAR FINE GRAVEL, LEATHERY. (FILL)

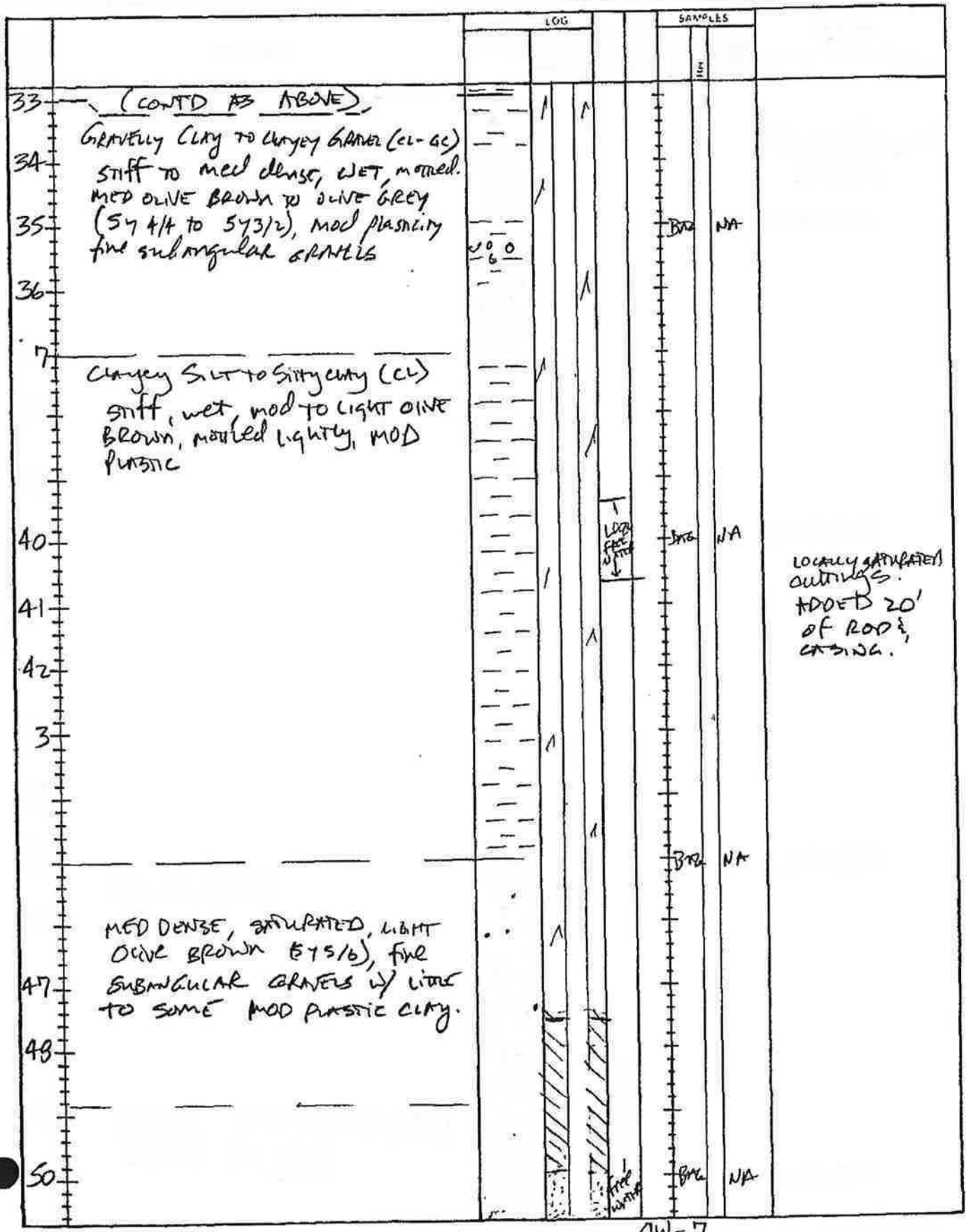
C 7


SAMPLES
EASY DRILLING
Clay (CL)
FIRM TO STIFF, MOIST, (5Y 3/2), MOD. PLASTIC TO LITTLE SILT
20
LOCALLY, CUTTINGS SAND
my rounded 3/4 fine angular gravel w/ med
24
26
7
29
30
Silty Clay (CL)
FIRM TO STIFF, WET, LIGHT OLIVE BROWN (5Y 5/6) WITH TRACE MED TO COARSE SAND, MOD PLASTICITY.
32

W-7

25/3W 16 P10

OAKLAND COLISEUM NO. 90CQ314A

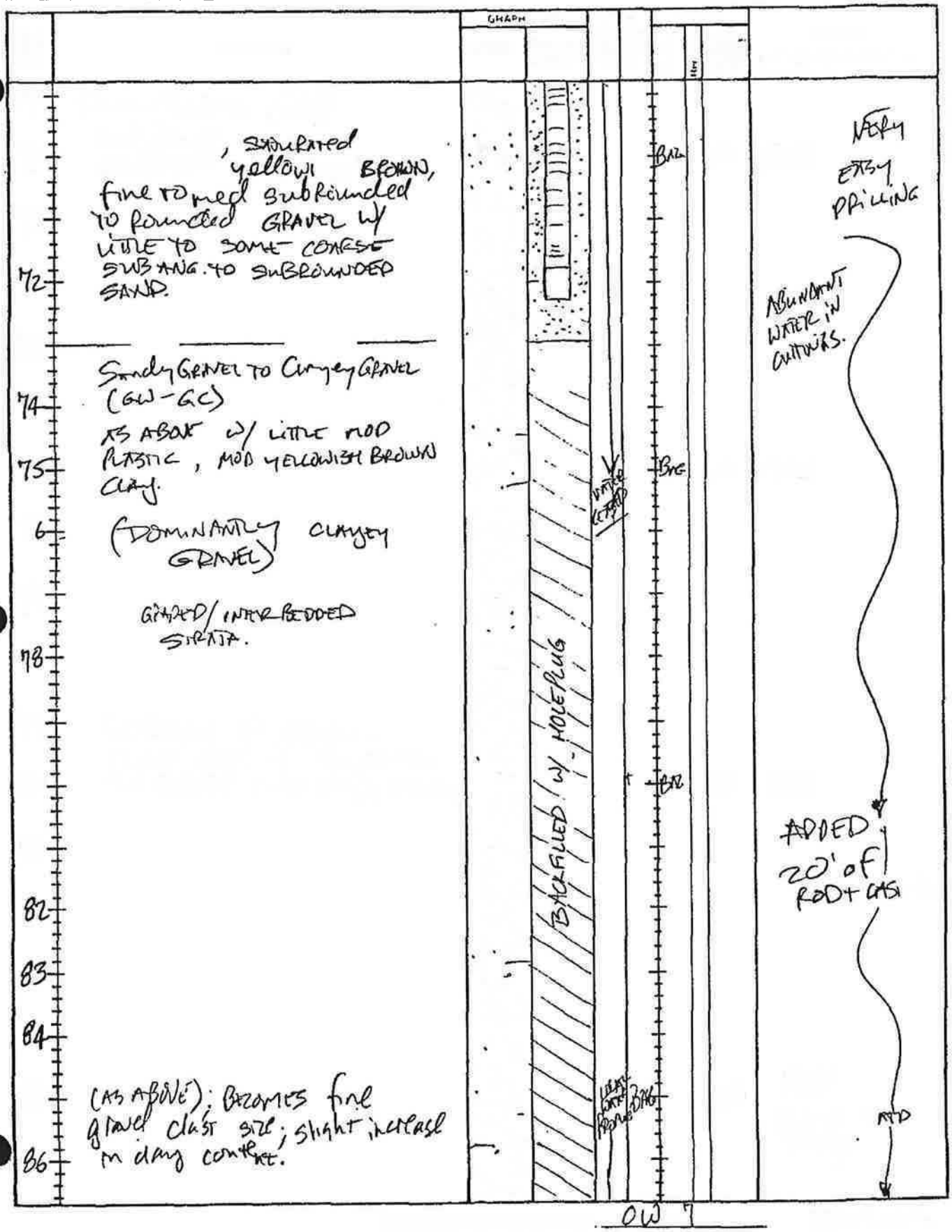


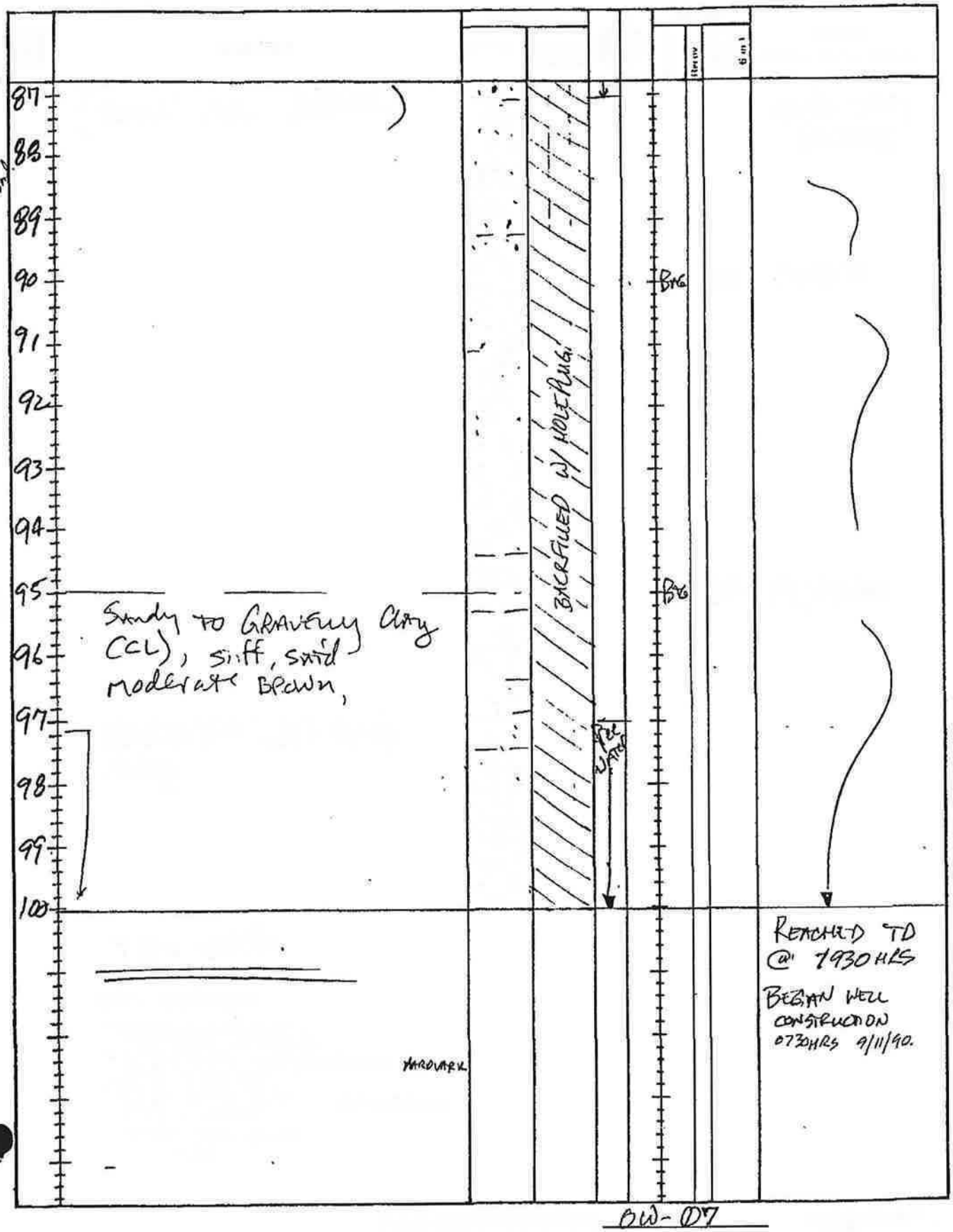
OW-7

	LOG	SAMPL	
5			Relatively easy drilling
53 GRAVEL (GP) (AS ABOVE); fine to med subrounded to subangular gravels			
54	FEET WATER PRESSURE		
55		BAG	
GRAVELLY SAND (SW) med dense, saturated med olive brown to grayish olive (5Y4/4 to 10Y4/2), med to coarse, subang. to subrounded sand with trace silt, and gravels 10 to 35%, fine to med. sub-rounded to subang.			Abundant ~~water~~ in cuttings → reduction
57			
59			
		BAG W	1805 HRS Added 20' of rod + casing
Grades into fine to med grained sand; (AS ABOVE)			
63			
64			
		BAG W	
67			
68			

NO. OW-7

25/3W 16D
NO 91DC0314A




87
88
89
90
91
92
93
94
95
96
97
98
99
100
Sandy to GRAVELLY Clay (CL), stiff, said moderate BROWN,
BACKFILLED W/ HOLEPLUG
BW-07

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

E COLISEUM

NG LOCA	WALKWAY BLDGS	T	TUM
DRILLING AGENCY WATER DEVELOPMENT	DRILLER KLYDE CHILRELL	DATE STARTED / DATE FINISHED	-9 / 90
DRILLING EQUIPMENT SPEEDSTAR 5 16 TRUCK	NTW/2 COMPRESSORS	COMPLETION DEPTH 98.0 FT.	SAMPLER N
DRILLING METHOD AIR ROTARY	DRAG BIT		
SIZE AND TYPE OF CASING 10" STEEL DRIVE CASING & PIPE FOR			
TYPE OF PERFORATION 0.020" FACTORY SLOT AARDVARK			C
SIZE AND TYPE OF PACK #2/12 LONESTAR O2 SAND			
TYPE OF SE 5" DIAM H' GRAN. BENT.			

HIC LOG | SAMPLES

A, PHAL

SILTY CLAY (ML-CL)

SOFT TO FIRM, DAMP, LIGHT OLIVE GRAY TO DARK YELLOWISH BROWN (5Y 5/2 TO 10YR 4/2), WITH TRACE COARSE ANGULAR SAND GRAINS & BRICK FRAG.'S (FILL)

SILTY CLAY (ML-CL)

FIRM, MOIST, DARK YELLOWISH BROWN (10YR 4/2), LOW PLASTICITY, TRACE SUBROUNDED COARSE GRAINED SAND

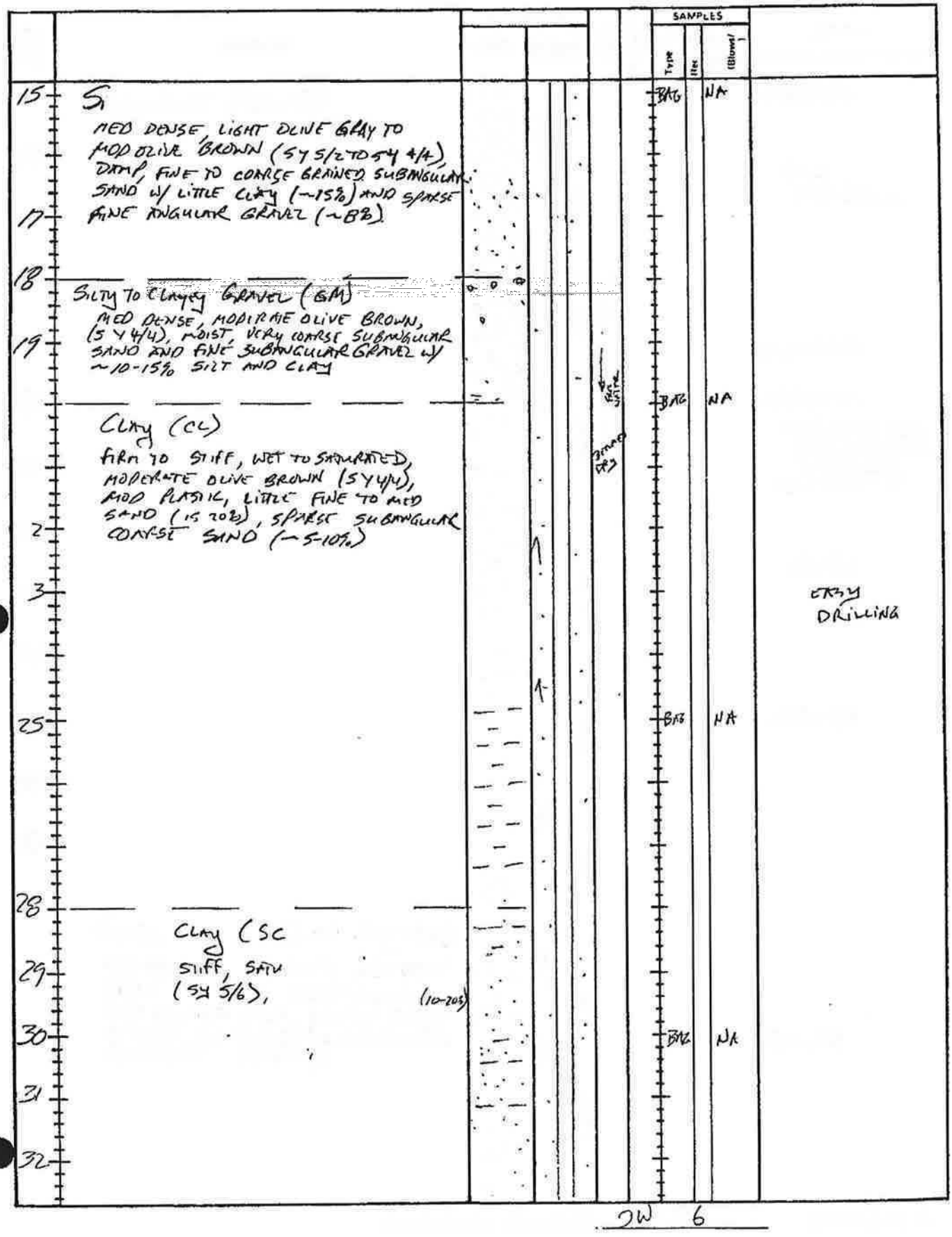
5 — BAG

LOCALLY, COLOR BECOMES GRAYISH BLACK (N2); INCREASE IN SAND GRAIN CONTENT (~5%); BECOMES CLAYIER (CL) BELOW 8'

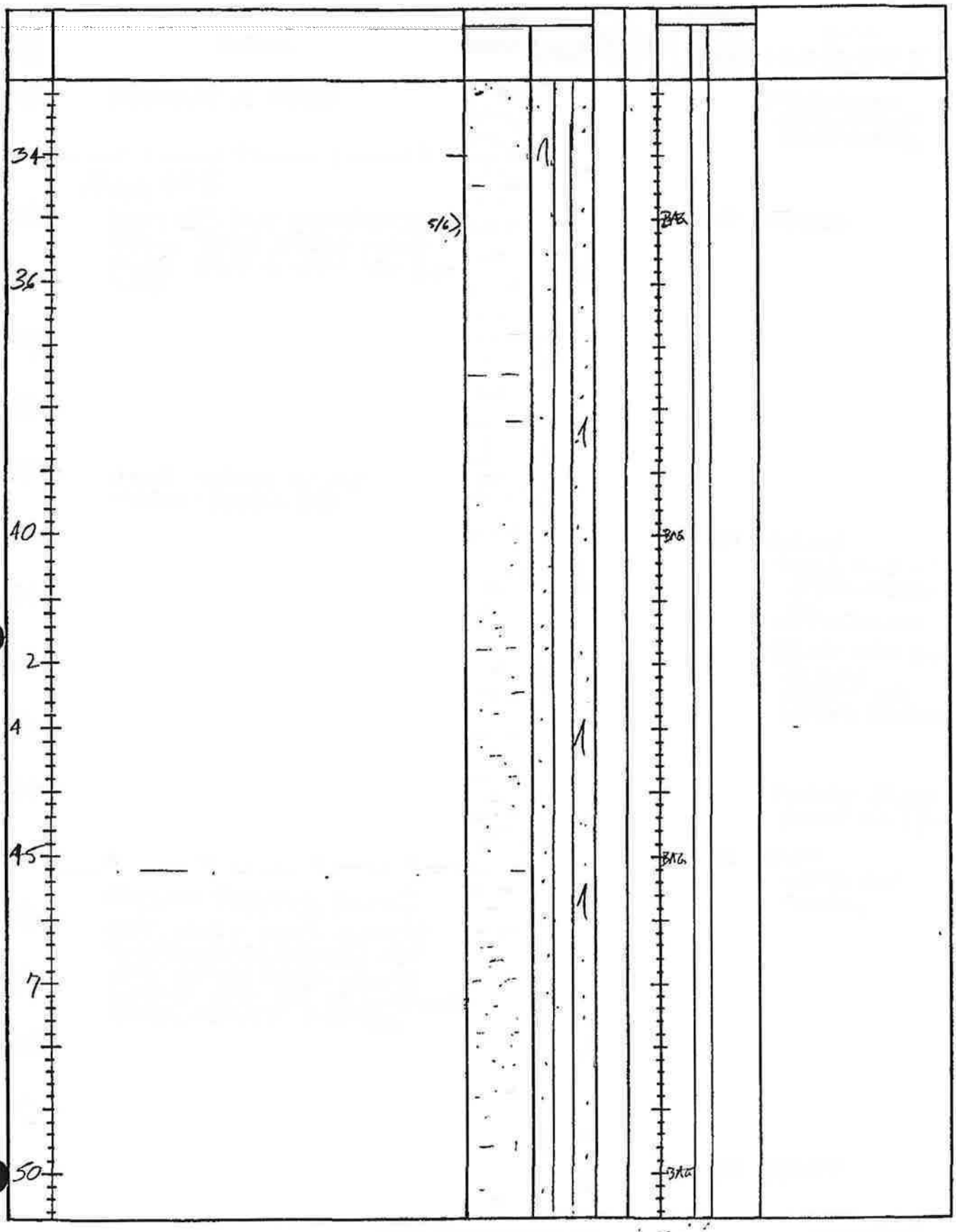
10 — BAG

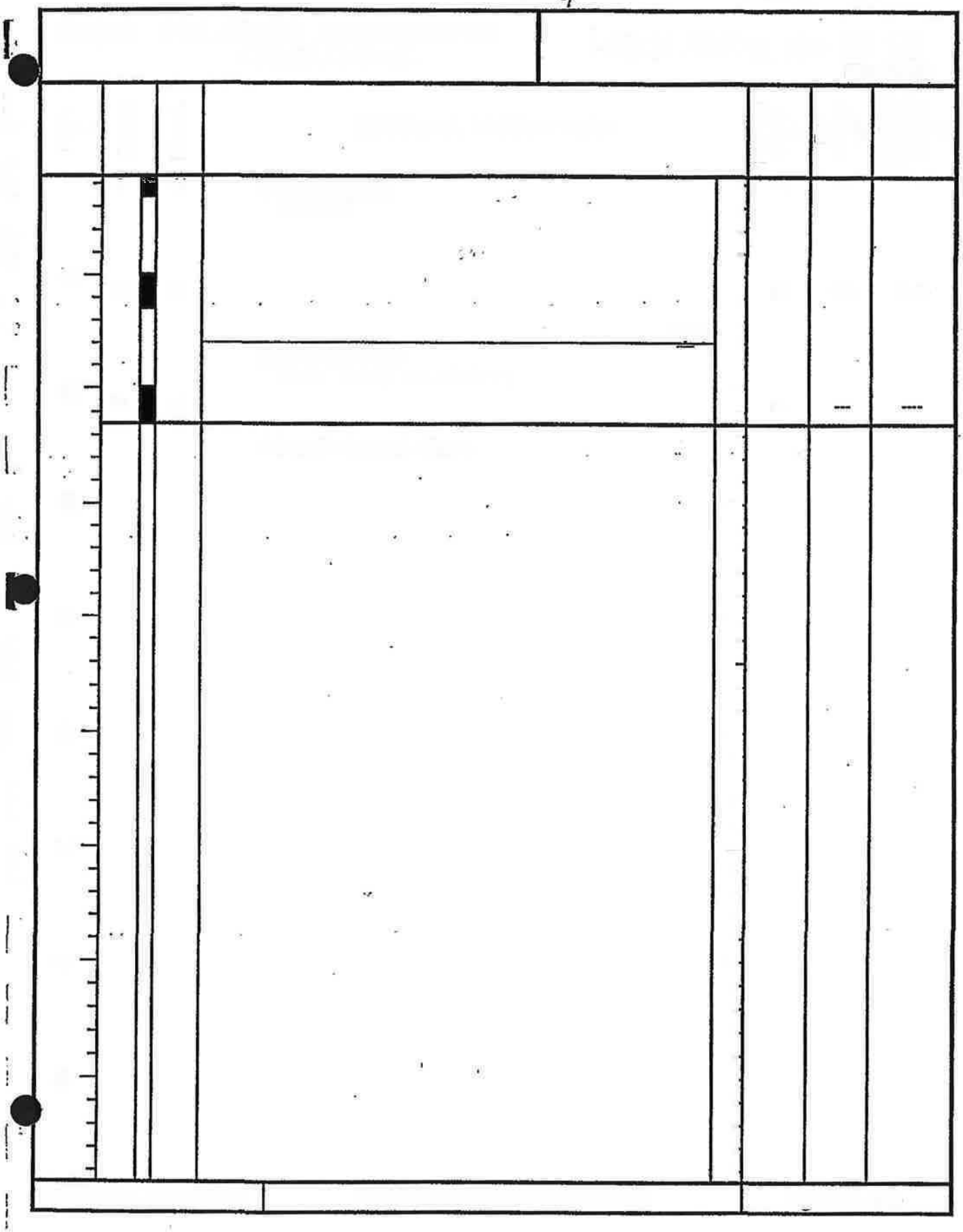
2

O. OW-06A


SAMPLES
Type
No.
(Blows/)
15
17
18
19
2
3
25
28
29
30
31
32
SM
MED DENSE, LIGHT OLIVE GRAY TO MOD OLIVE BROWN (5Y 5/2 TO 5Y 4/4), DAMP, FINE TO COARSE GRAINED SUBANGULAR SAND W/ LITTLE CLAY (~15%) AND SPARSE FINE ANGULAR GRAVEL (~8%)
SILTY TO CLAYEY GRAVEL (GM)
MED DENSE, MODERATE OLIVE BROWN, (5Y 4/4), MOIST, VERY COARSE SUBANGULAR SAND AND FINE SUBANGULAR GRAVEL W/ ~10-15% SILT AND CLAY
CLAY (CL)
FIRM TO STIFF, WET TO SATURATED, MODERATE OLIVE BROWN (5Y 4/4), MOD PLASTIC, LITTLE FINE TO MED SAND (15-20%), SPARSE SUBANGULAR COARSE SAND (~5-10%)
CLAY (SC
STIFF, SATU
(5Y 5/6),
(10-20%)
BAG
NA
BAG
NA
BAG
NA
BAG
NA
EASY DRILLING

JW 6


34
36
40
2
4
45
7
50
5/6)
1
1
1
1
BAG
BAG
BAG
BAG



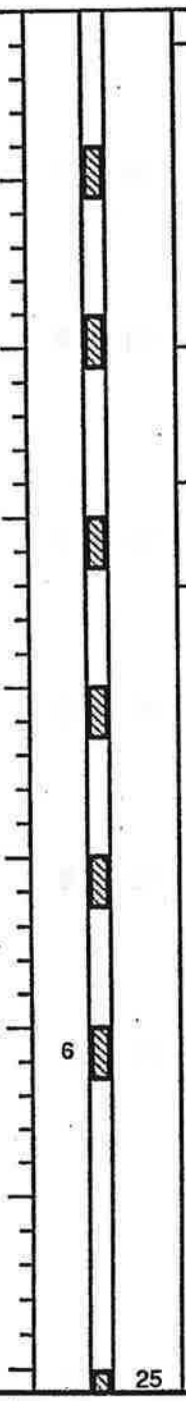
1 2

Remarks:
by: S. Chang
Location: 1 ft. from south pier, 22.5 ft. from wall

LABORATORY TESTS

Unconfined Compress.

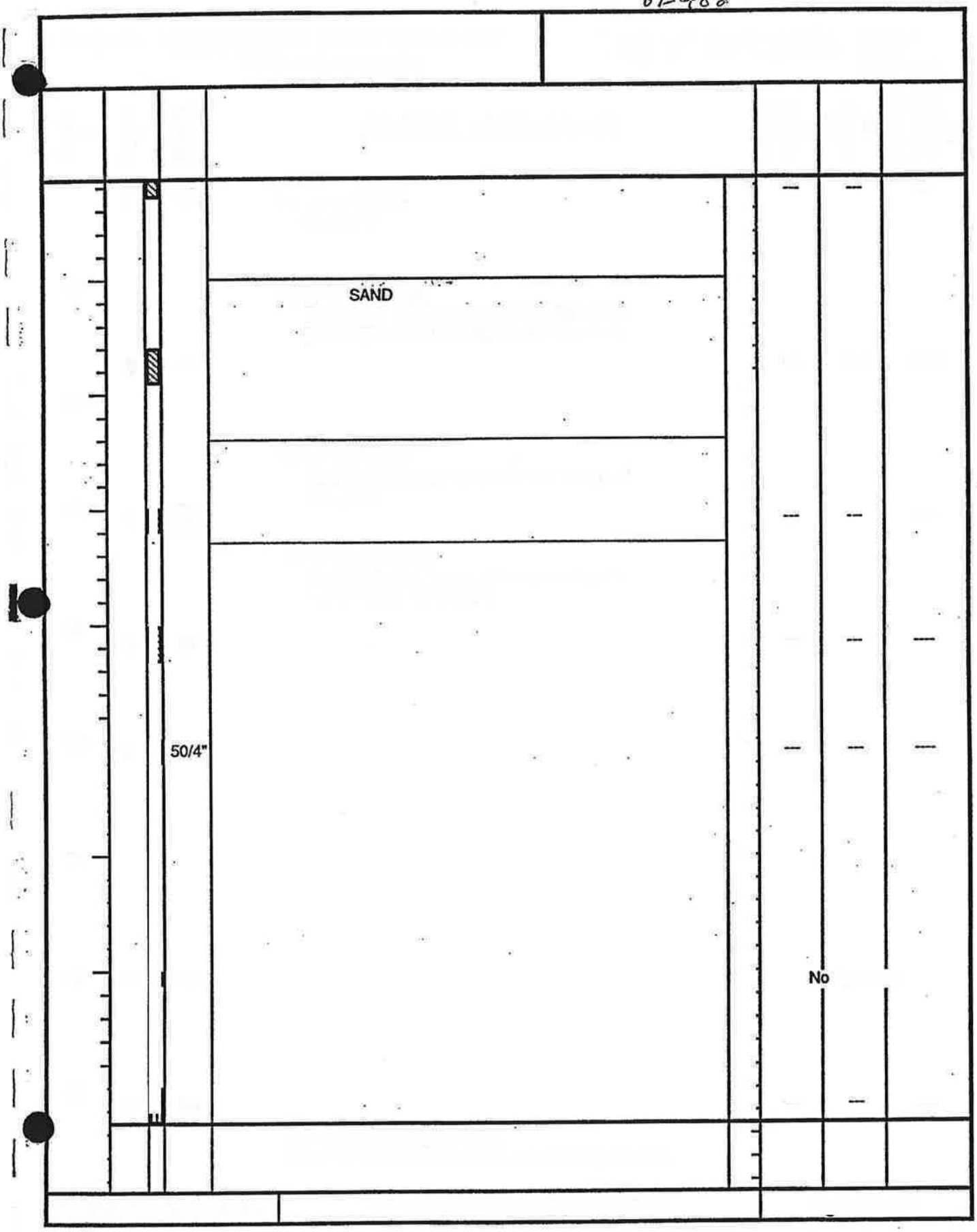
Surface Elevation: Approximately +6 feet



ject

Woodward-Clyde

61-482



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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

482D /

Remarks:
by: S. Chang
Location: 79 ft. from south pier, 24 ft. from wall

LABORATORY TESTS

Surface E feet

Moist, brown, gravel

Project

01 of 2 BW16

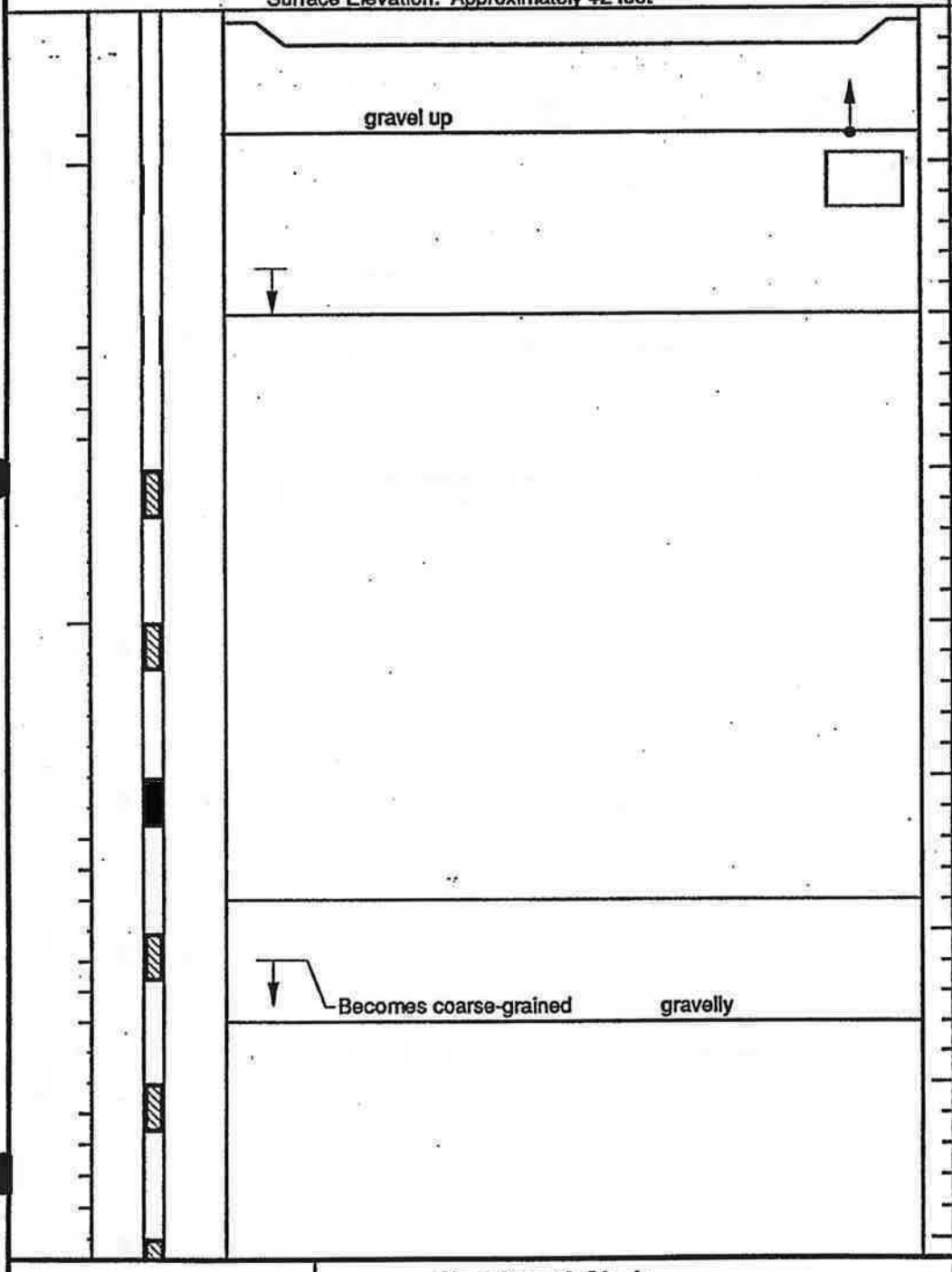
Remarks:

S. Rudianto

Location: Parking lot between Coliseum and Arena, north side

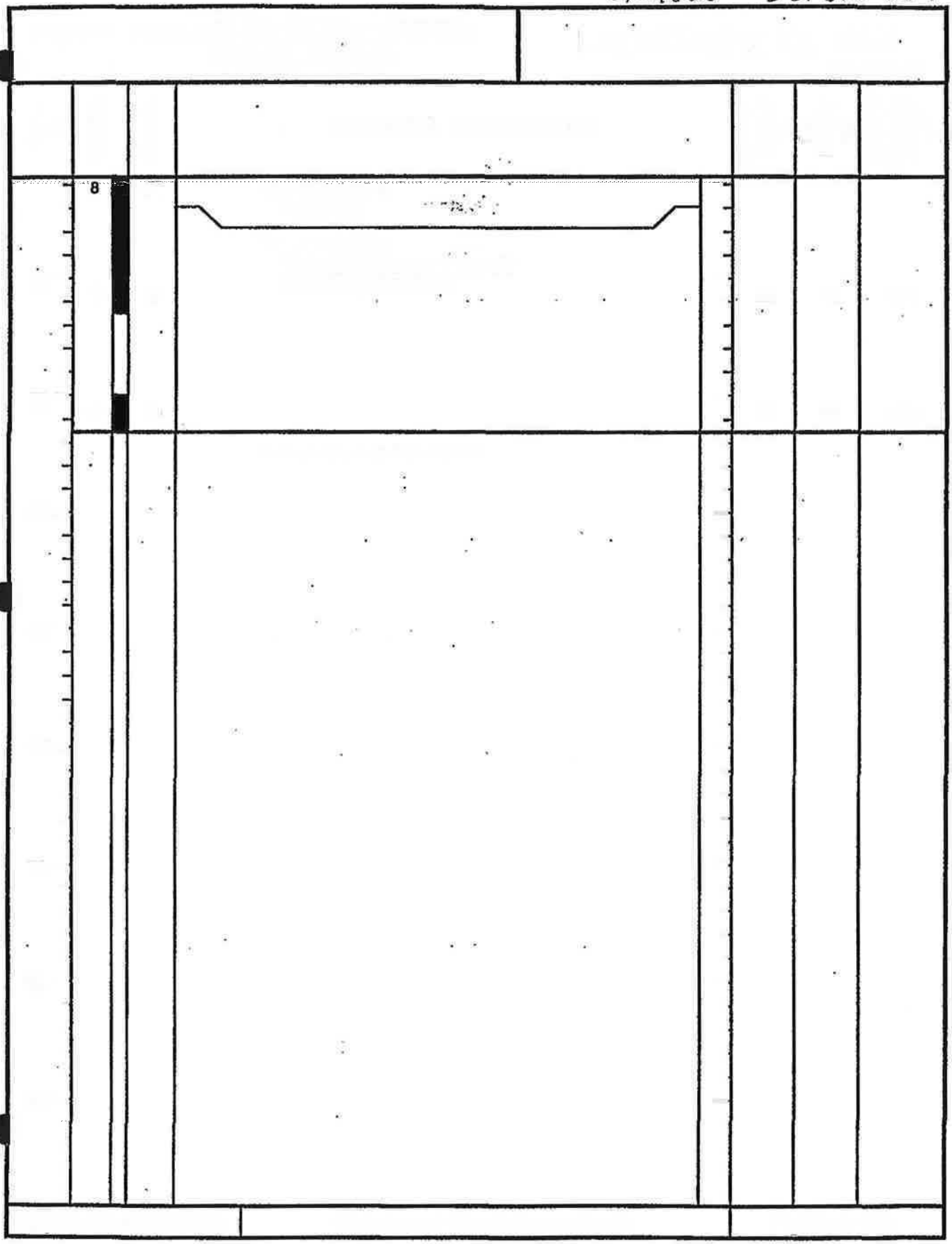
LABORATORY TESTS

Surface Elevation: Approximately +2 feet



Woodward-Clyde

01-4828 25/3W 16P



01 48 S/3W

Remarks:

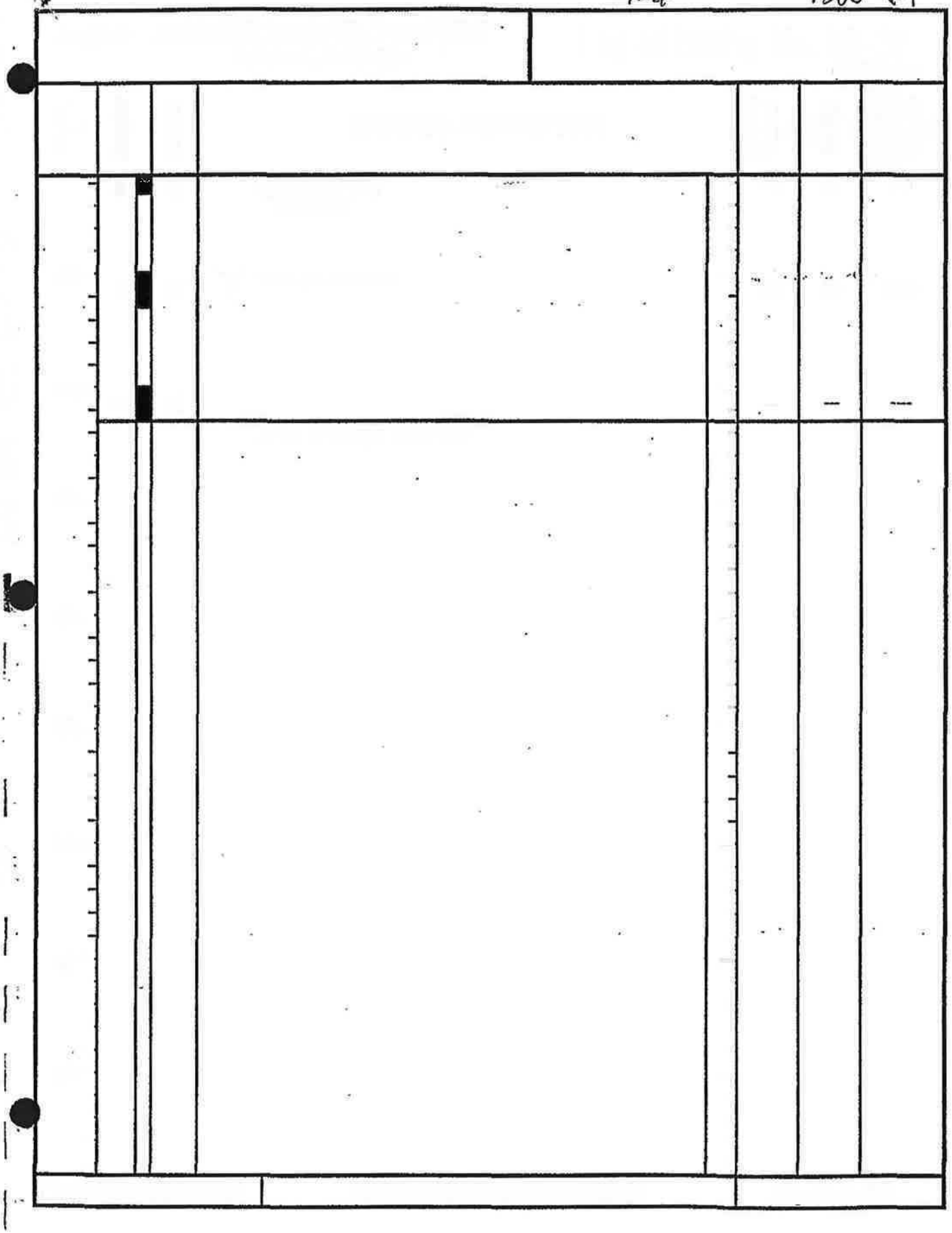
LABORATORY TESTS

	Dry pcf	Unconfined Compress.
Surface E feet		

2" ASPHALT CONCRETE 3" AGGREGATE

SILTY SAND (SM) FILL

BW 6P



01 4 2G 2

Boring: Stem

Remarks:
by: R.P. Shilling
Location: Parking lot behind scoreboard

LABORATORY TESTS

Surface E

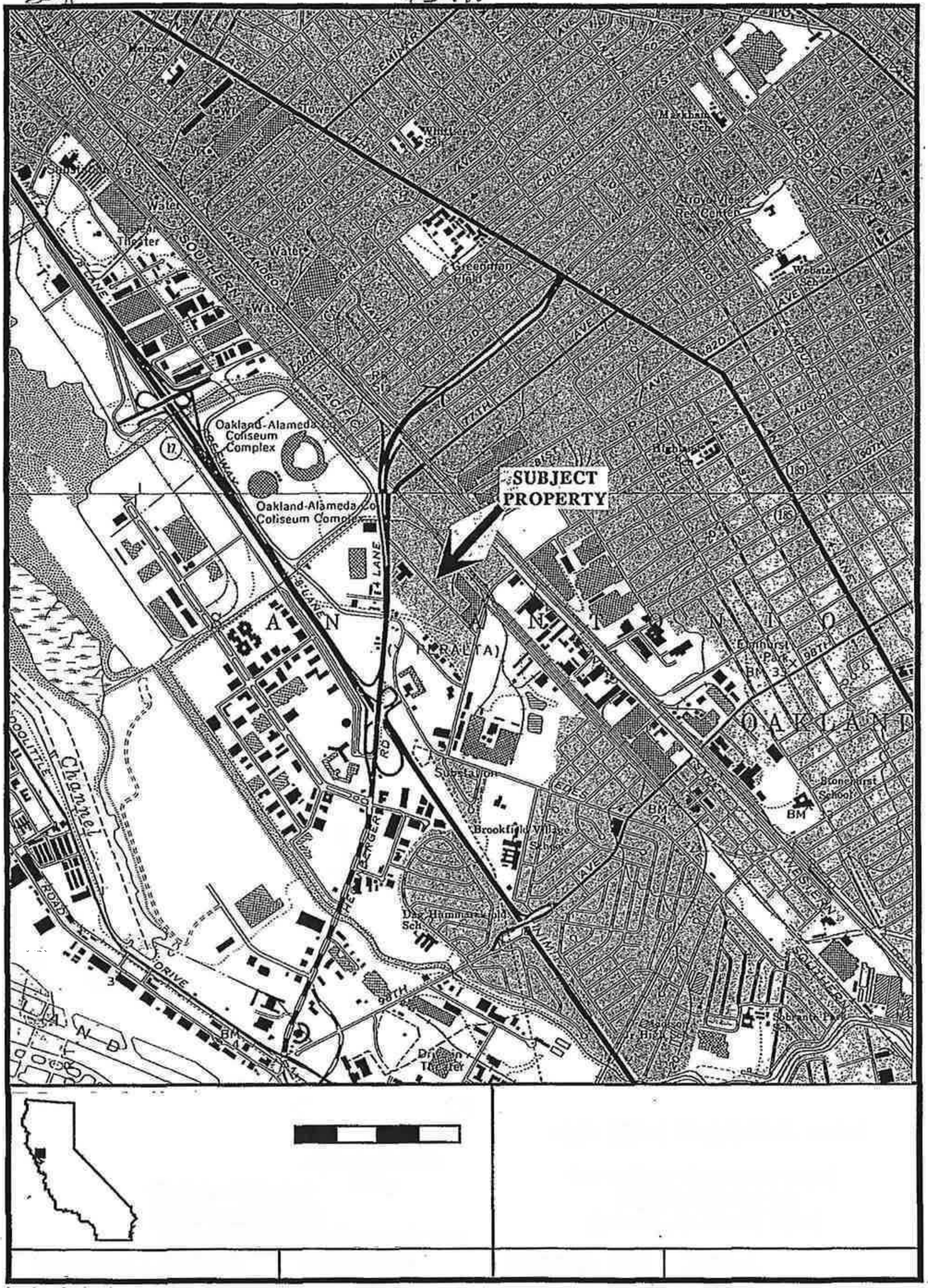
2" ASPHALT CONCRETE over 9" AGGREGATE BASE
SANDY GRAVEL (GP) FILL
Damp, brown

CONFIDENTIAL

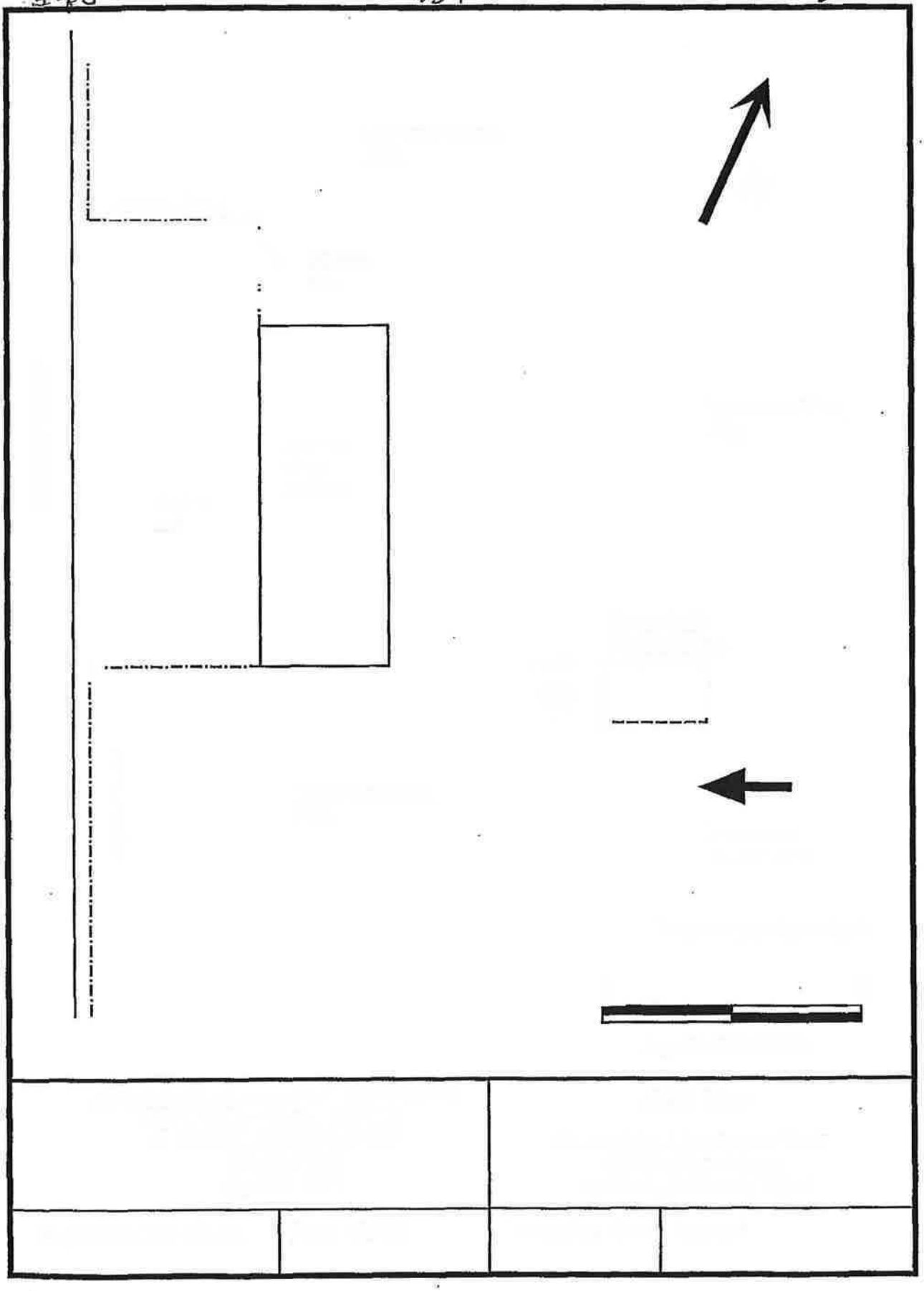
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

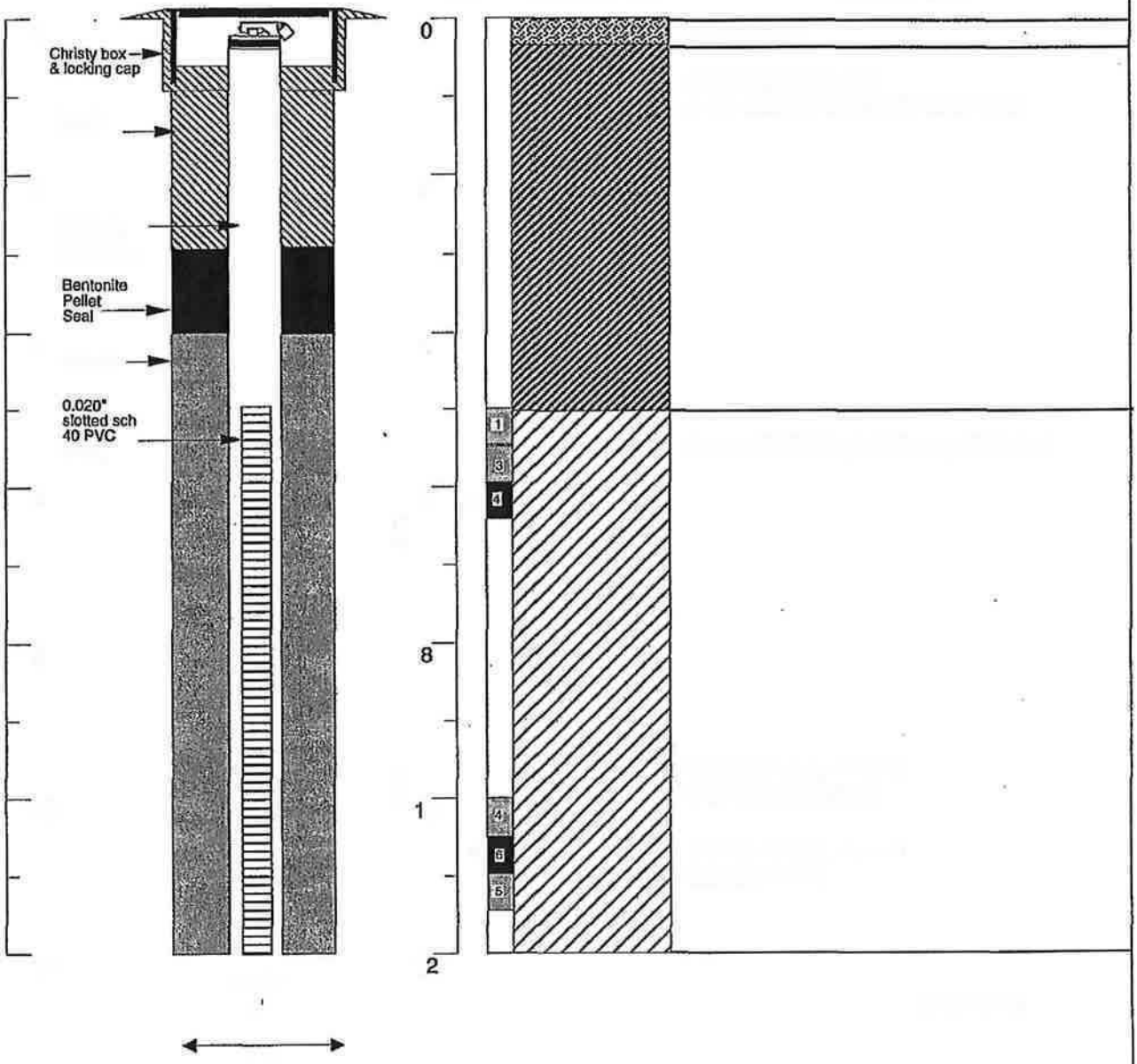
43411

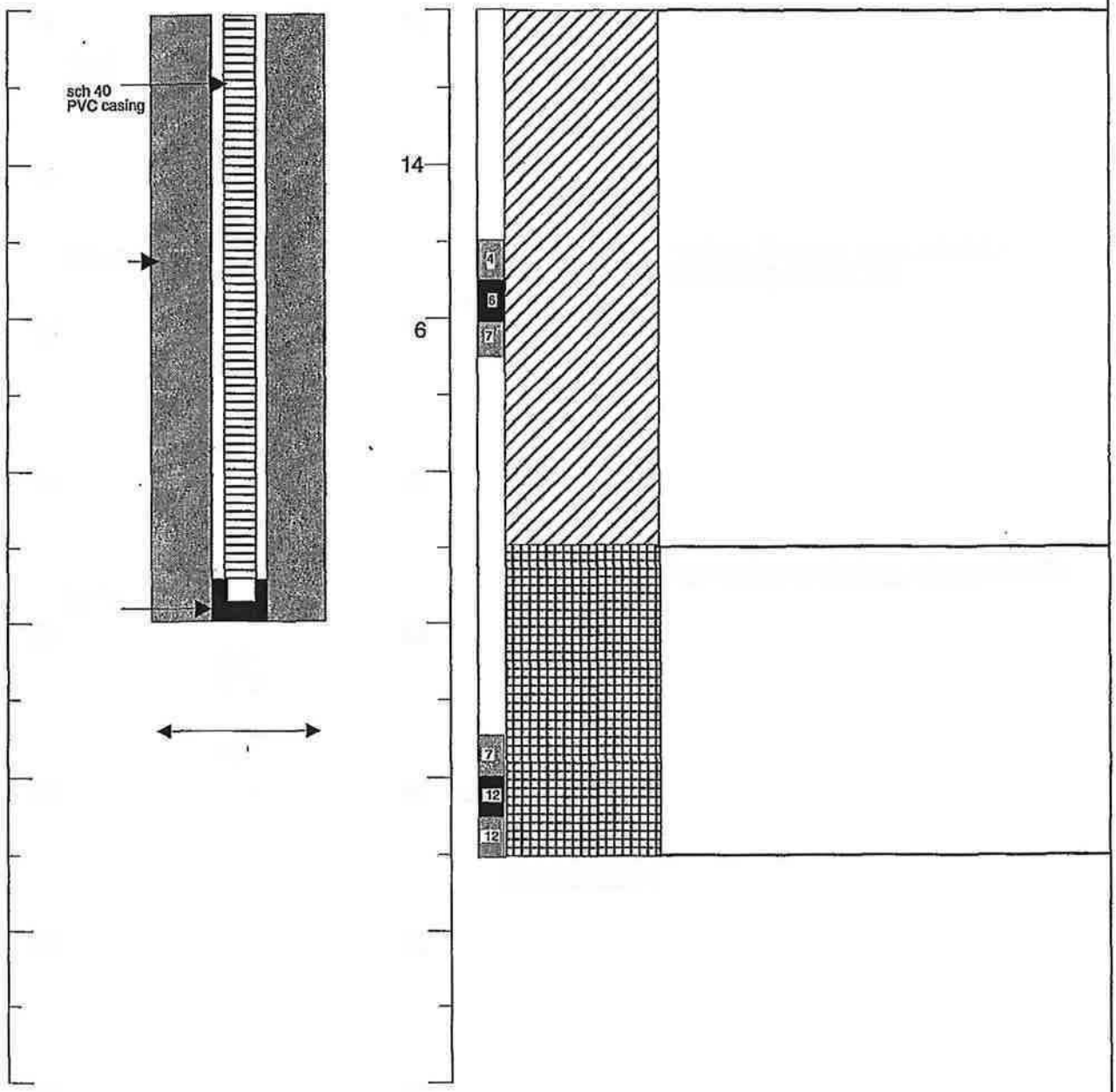

SUBJECT
PROPERTY
Oakland-Alameda
Coliseum
Complex
Oakland-Alameda Co
Coliseum Complex
OAKLAND
Brookfield Village
School
Stonehurst
School
Greenman
Field
Webster
Sch
Substation
Drive-in
Theater
Theater
Whittier
Sch
Markham
Sch
Elmhurst
Park

375 434 B



434 2S/3W 21B1



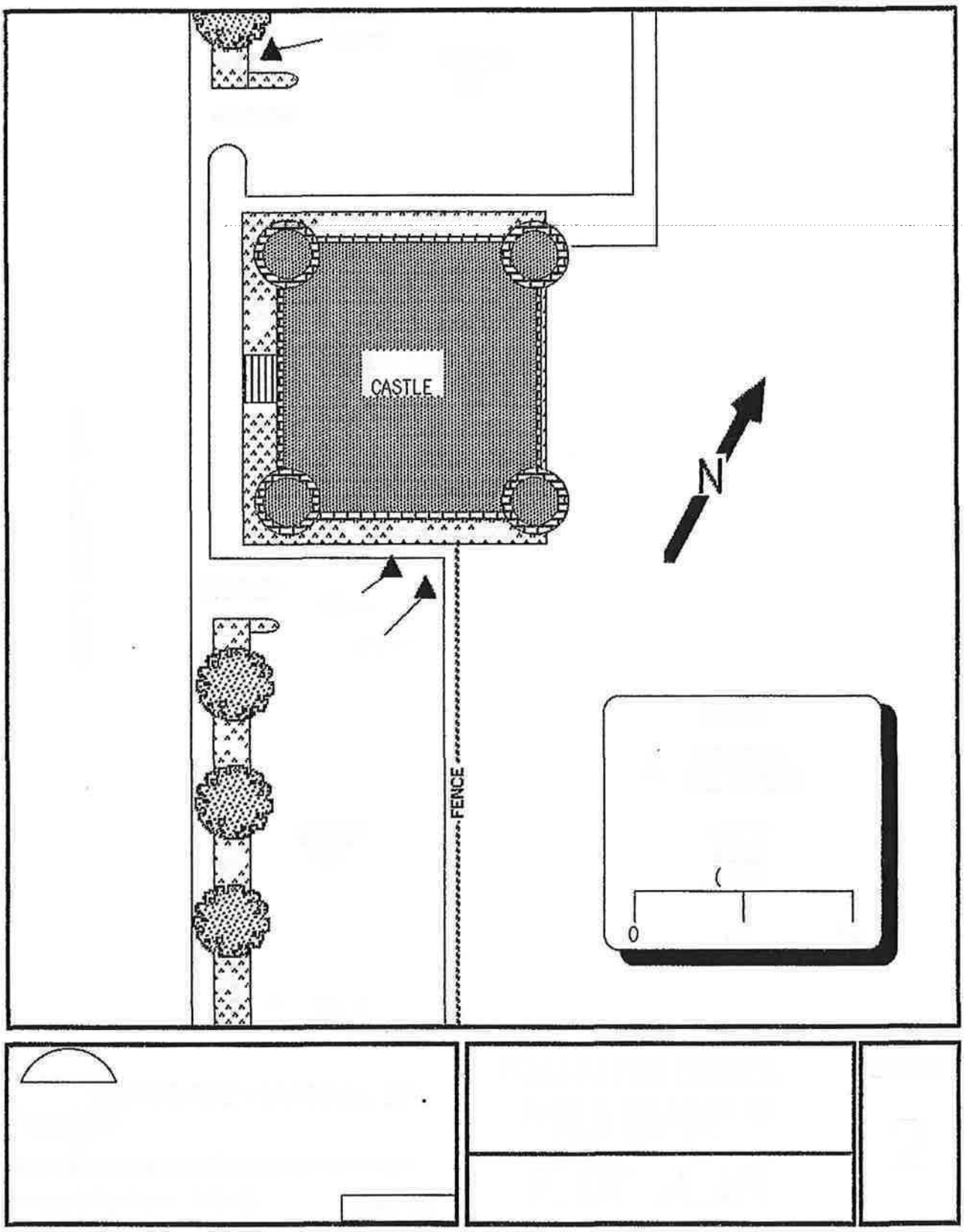


Location of sample sealed for chemical analysis

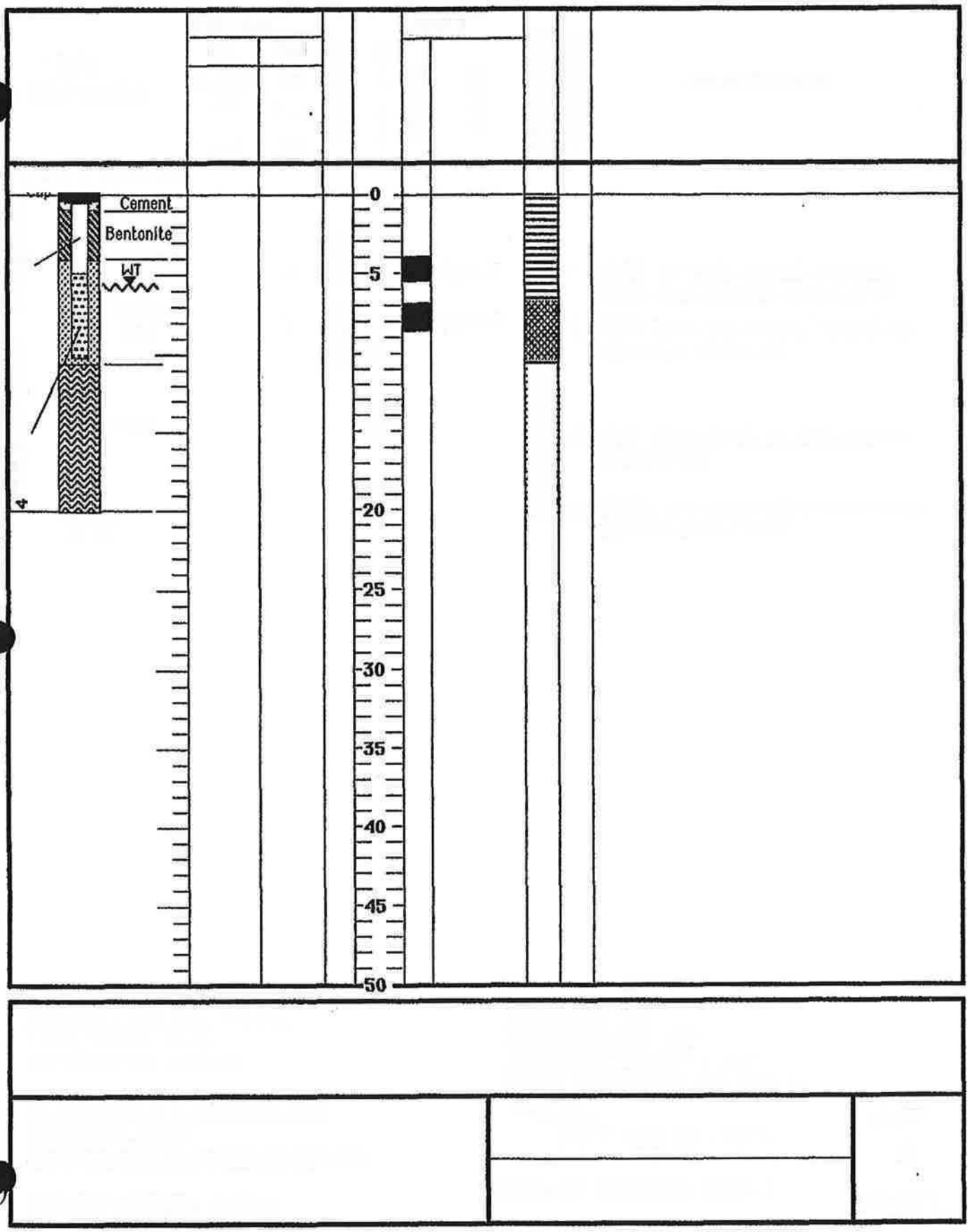
Sieve sample

Grab sample

ENVIRONMENTAL


CASTLE
N
FENCE
0

COLISEUM
SOUTH
OAKPORT


Cement
Bentonite
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CONFIDENTIAL

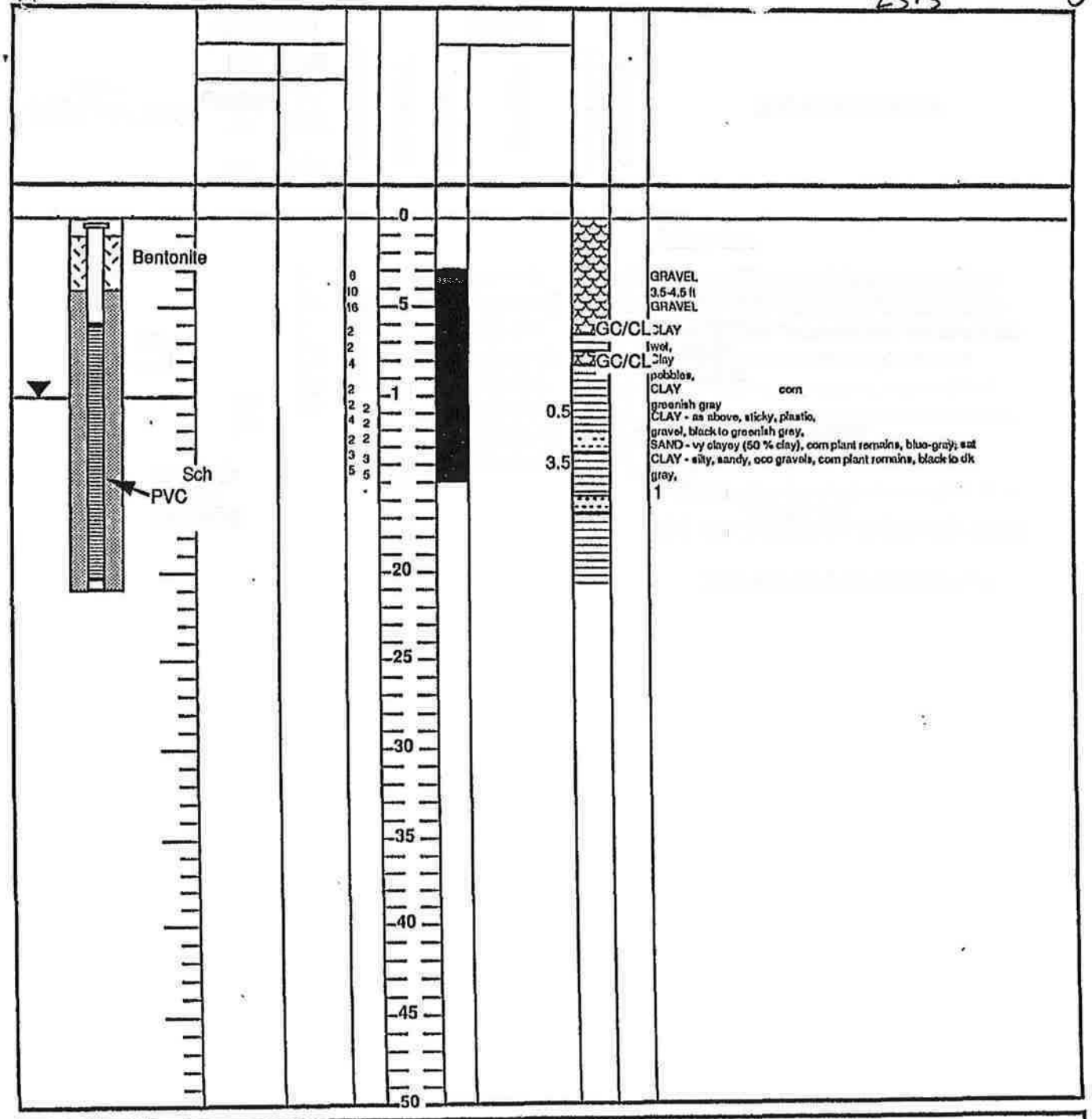
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

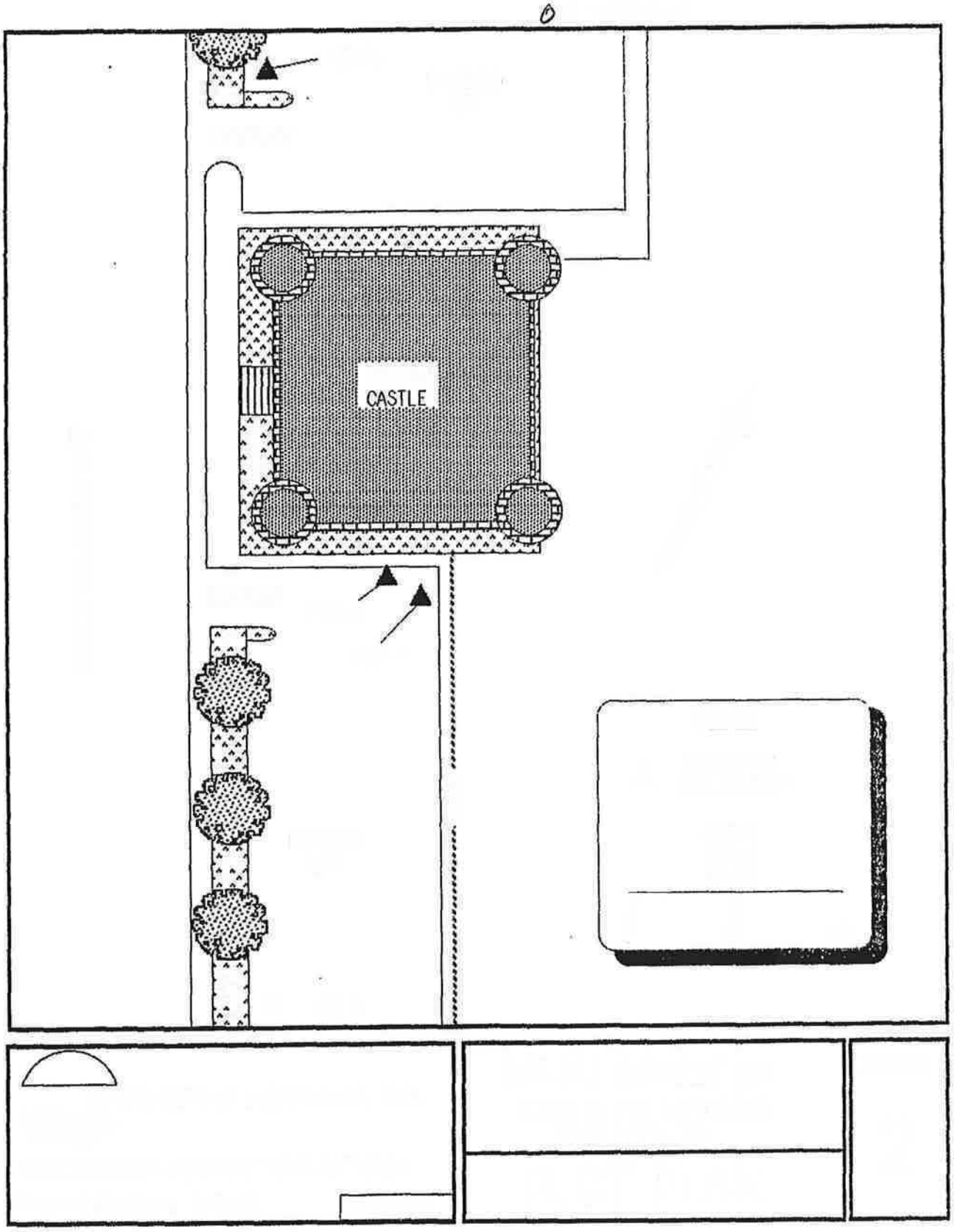
REMOVED



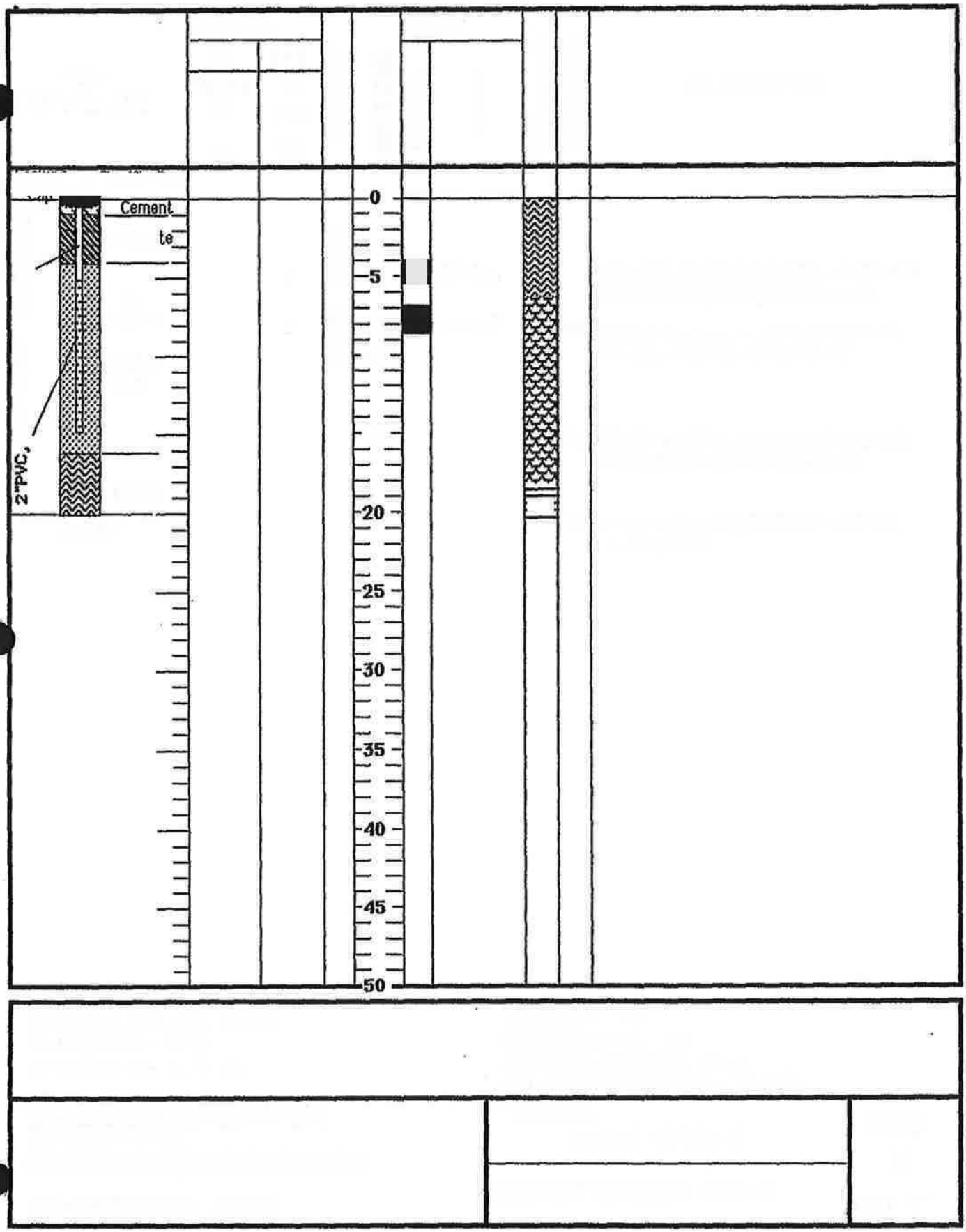
LOCATION:

Parking

page


CASTLE

CITY
COLISEUM
SOUTH
OAKPOR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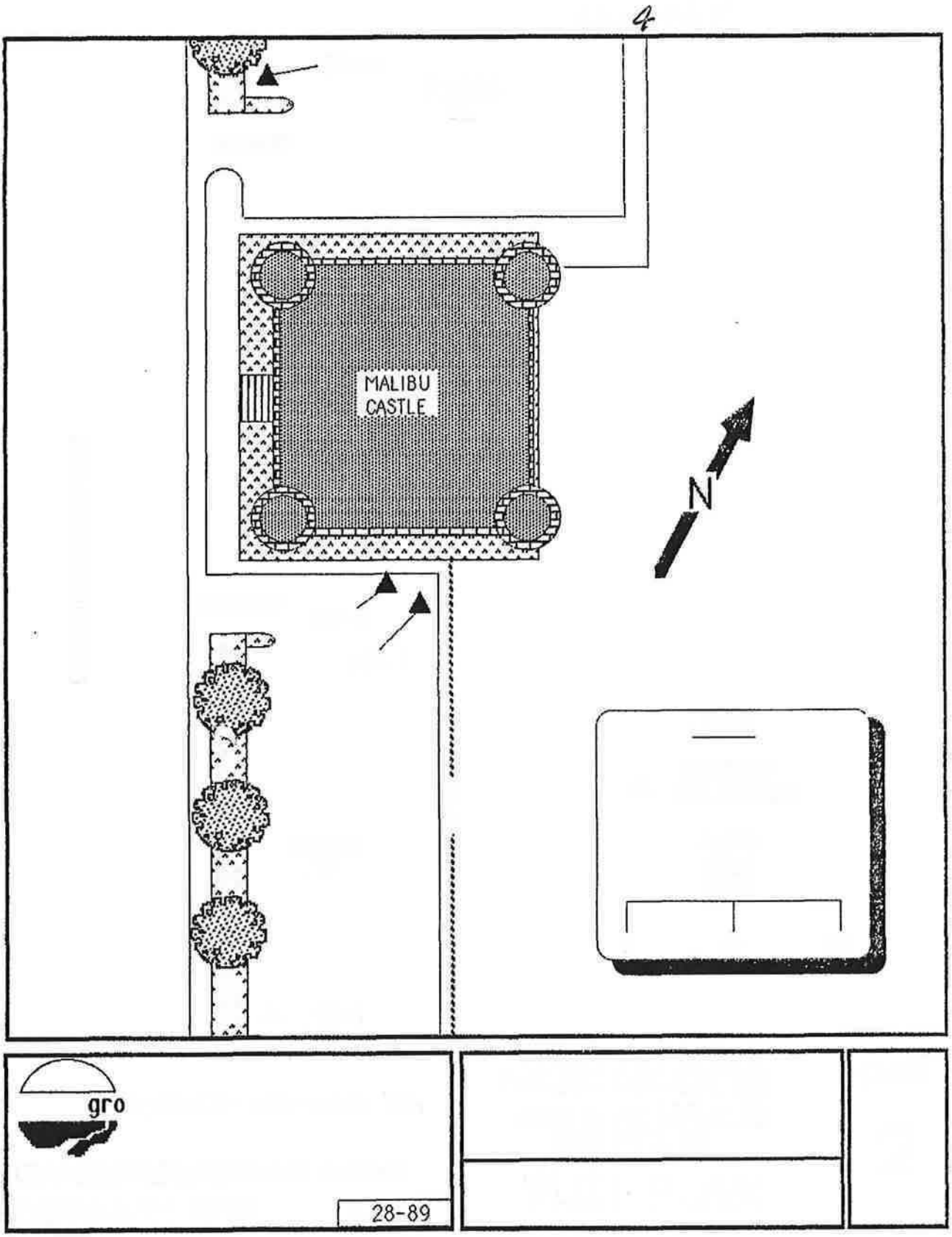
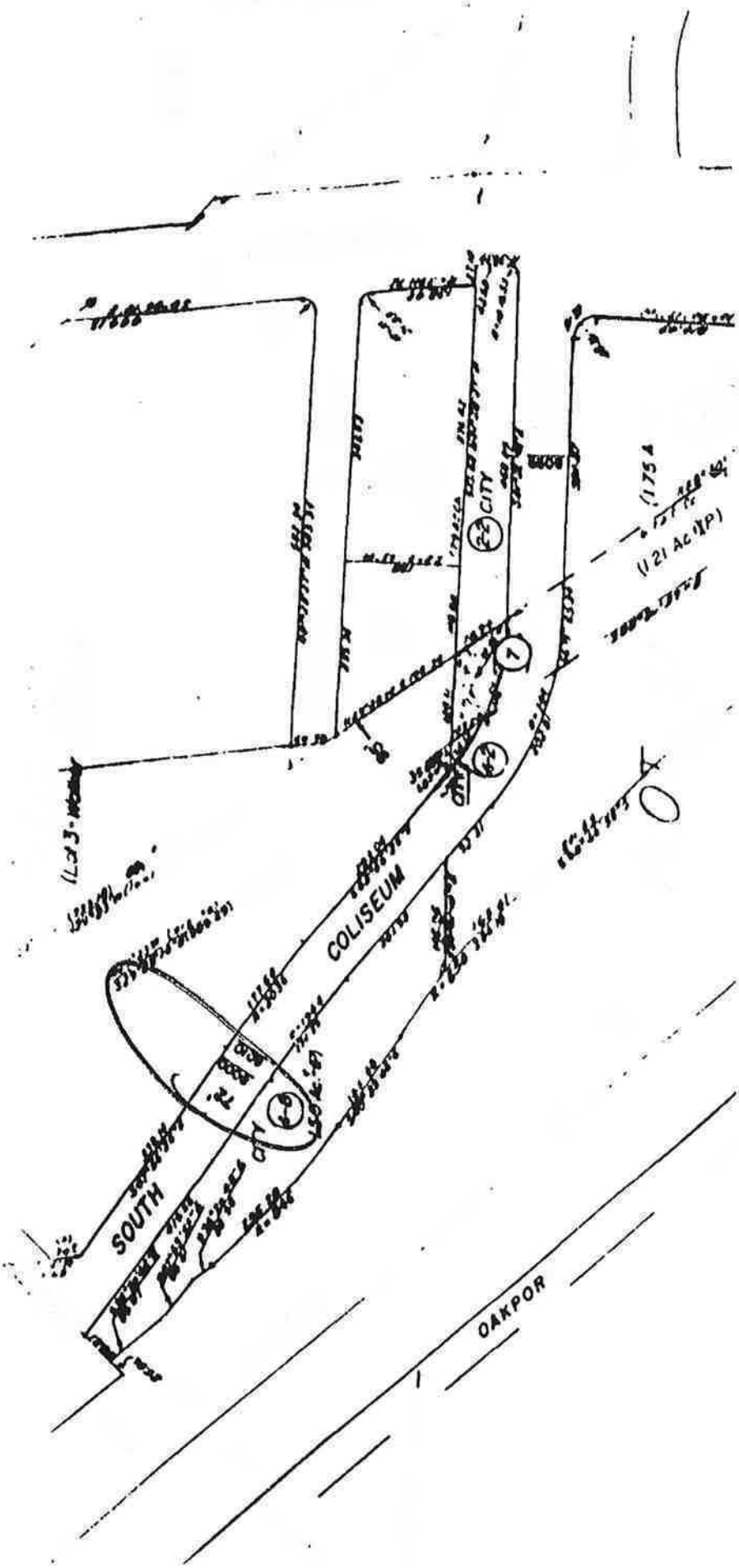
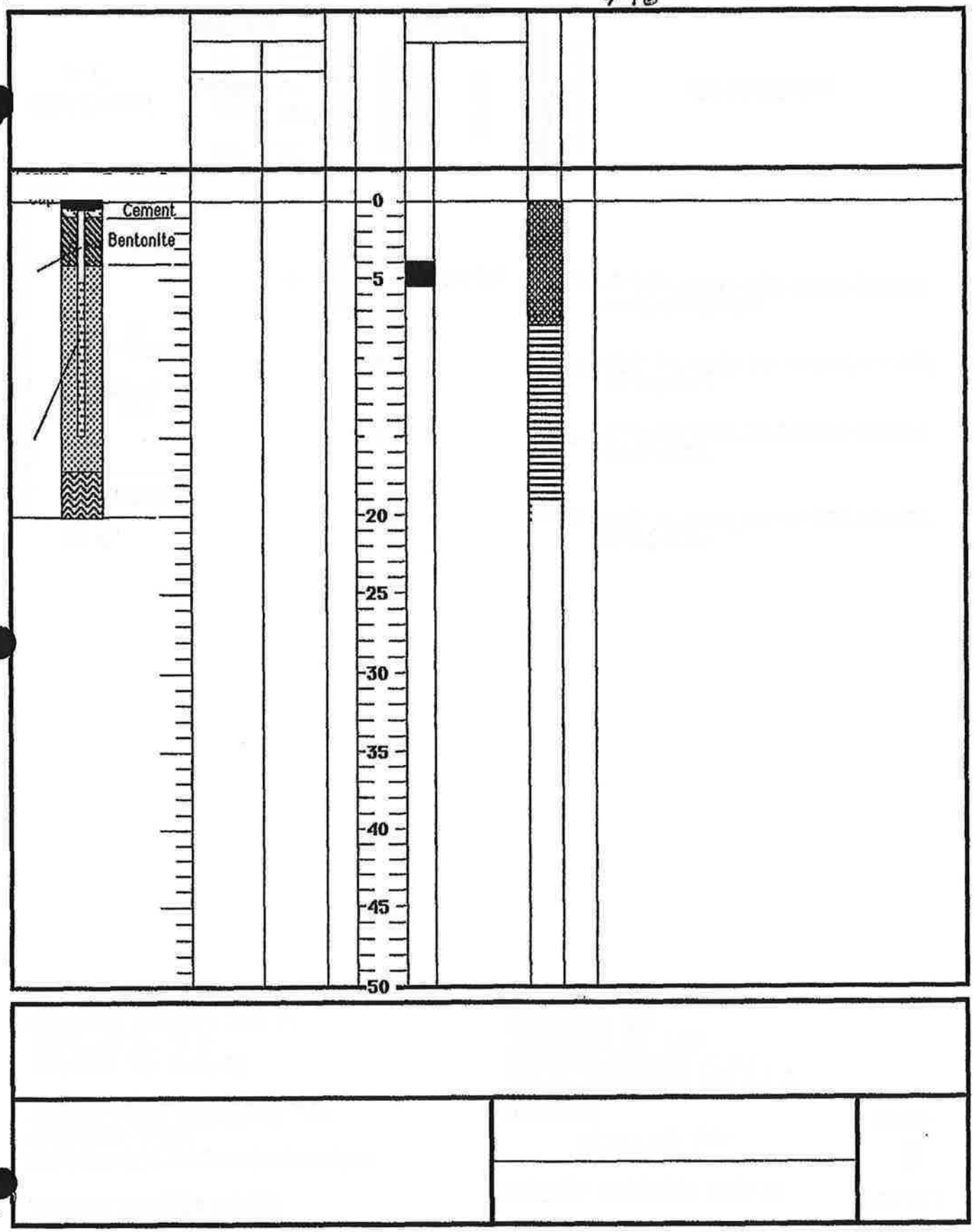

4
MALIBU
CASTLE
N
gro
28-89


CITY
COLISEUM
SOUTH
OAKPOR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Bentonite
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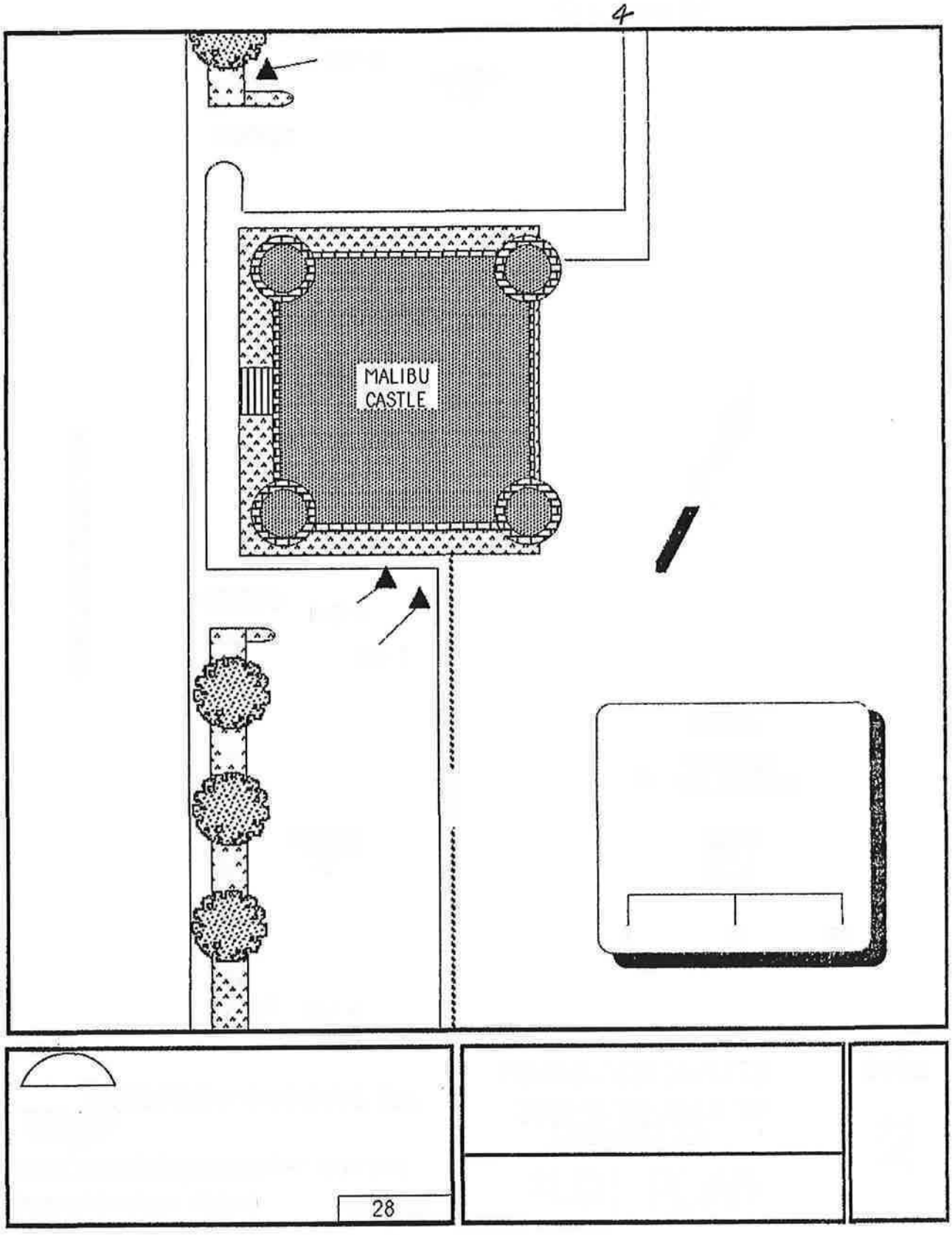
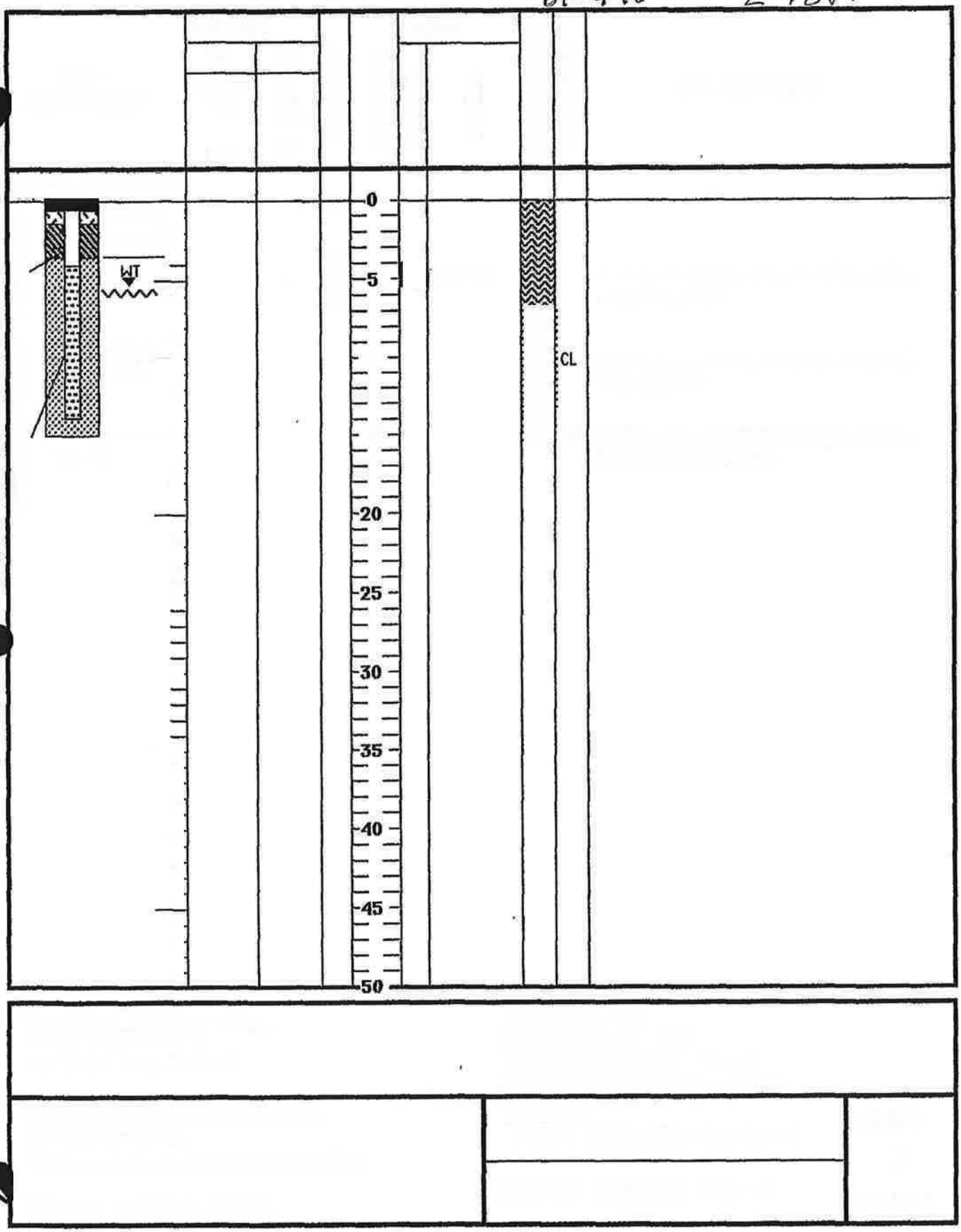
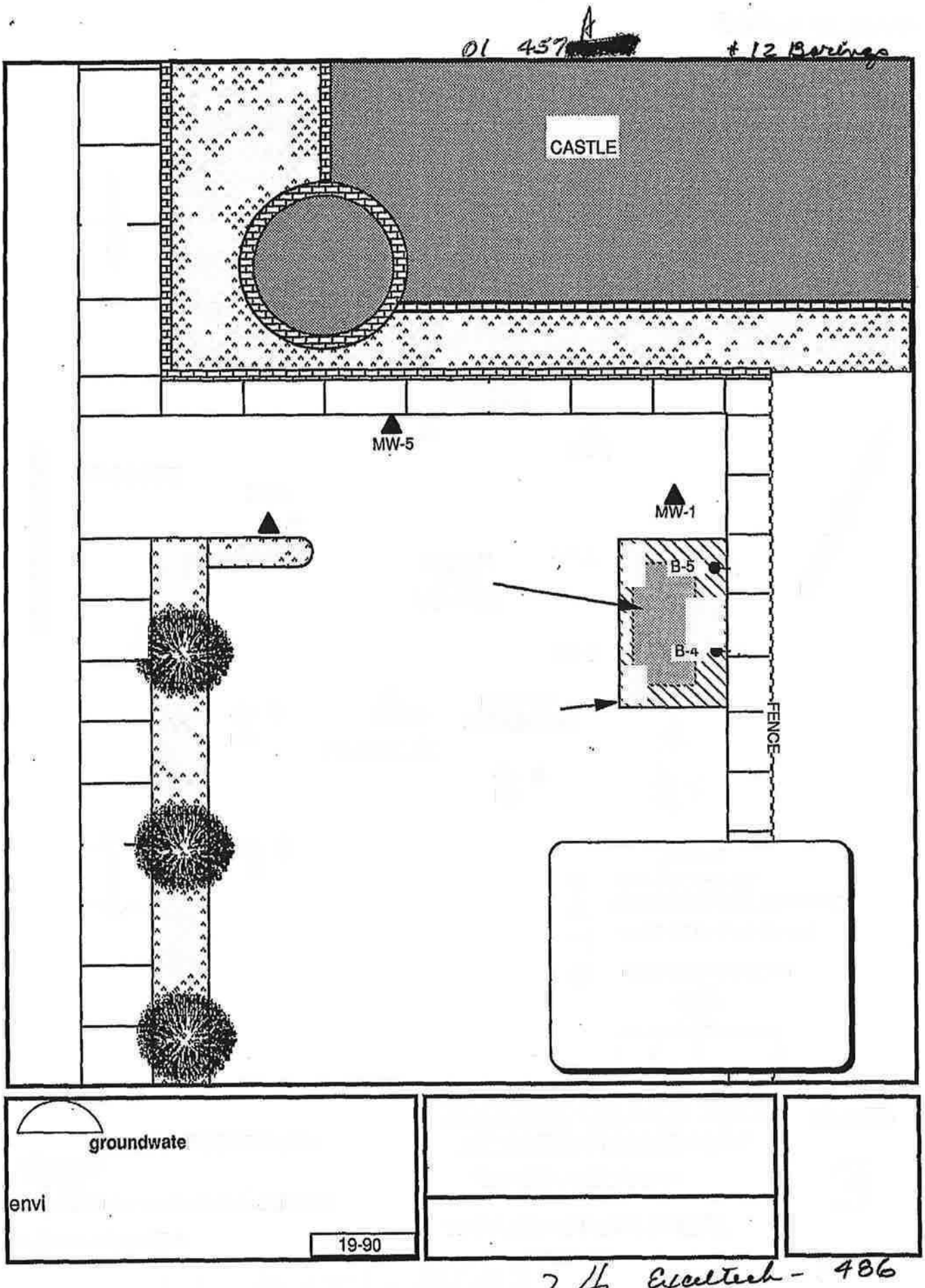

4
MALIBU
CASTLE
28

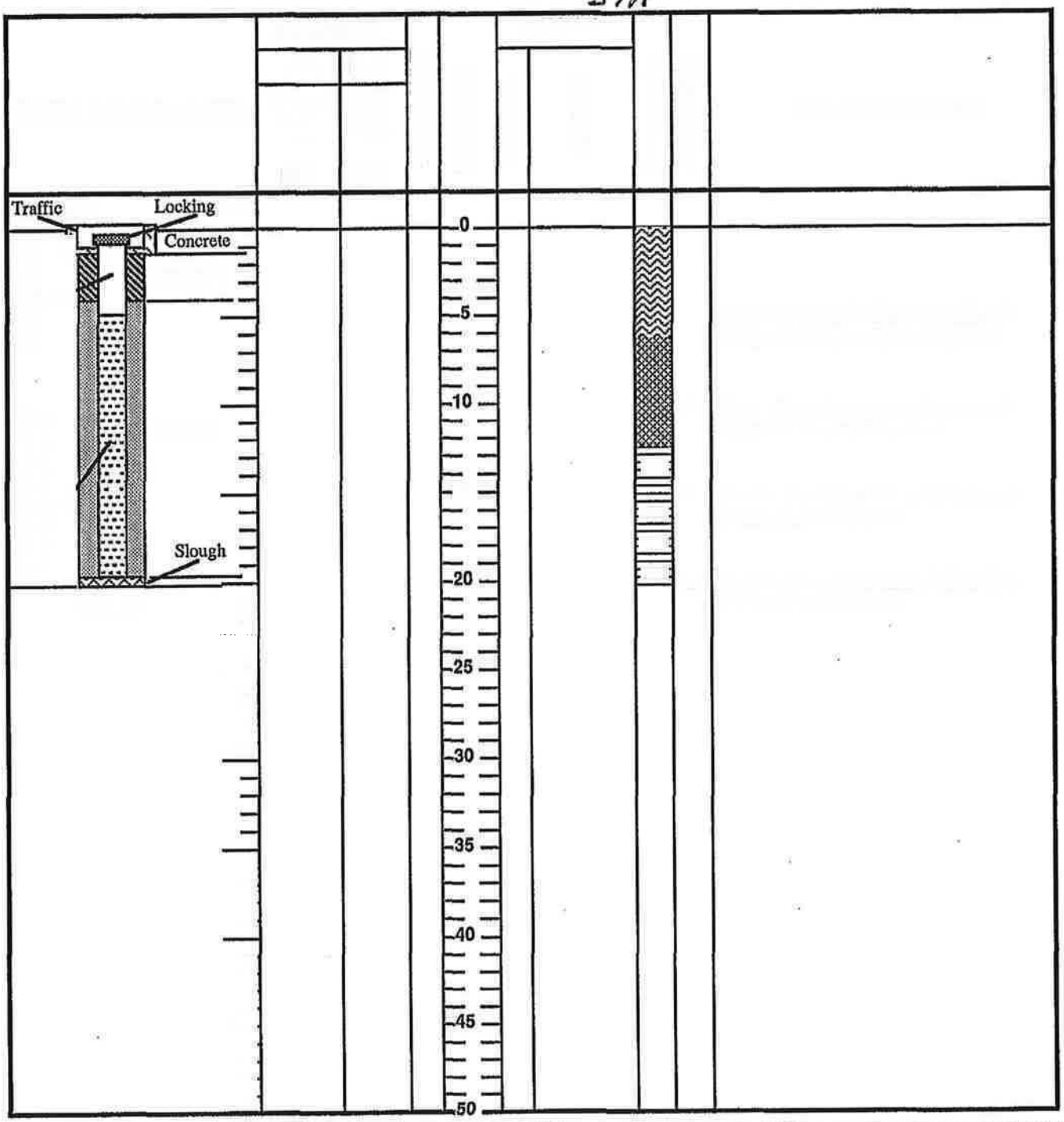
COLLINS
CITY
COLISEUM
SOUTH
AKPOR

01-446 2 13W





24 Excaltech - 486


Traffic
Locking
Concrete
Slough
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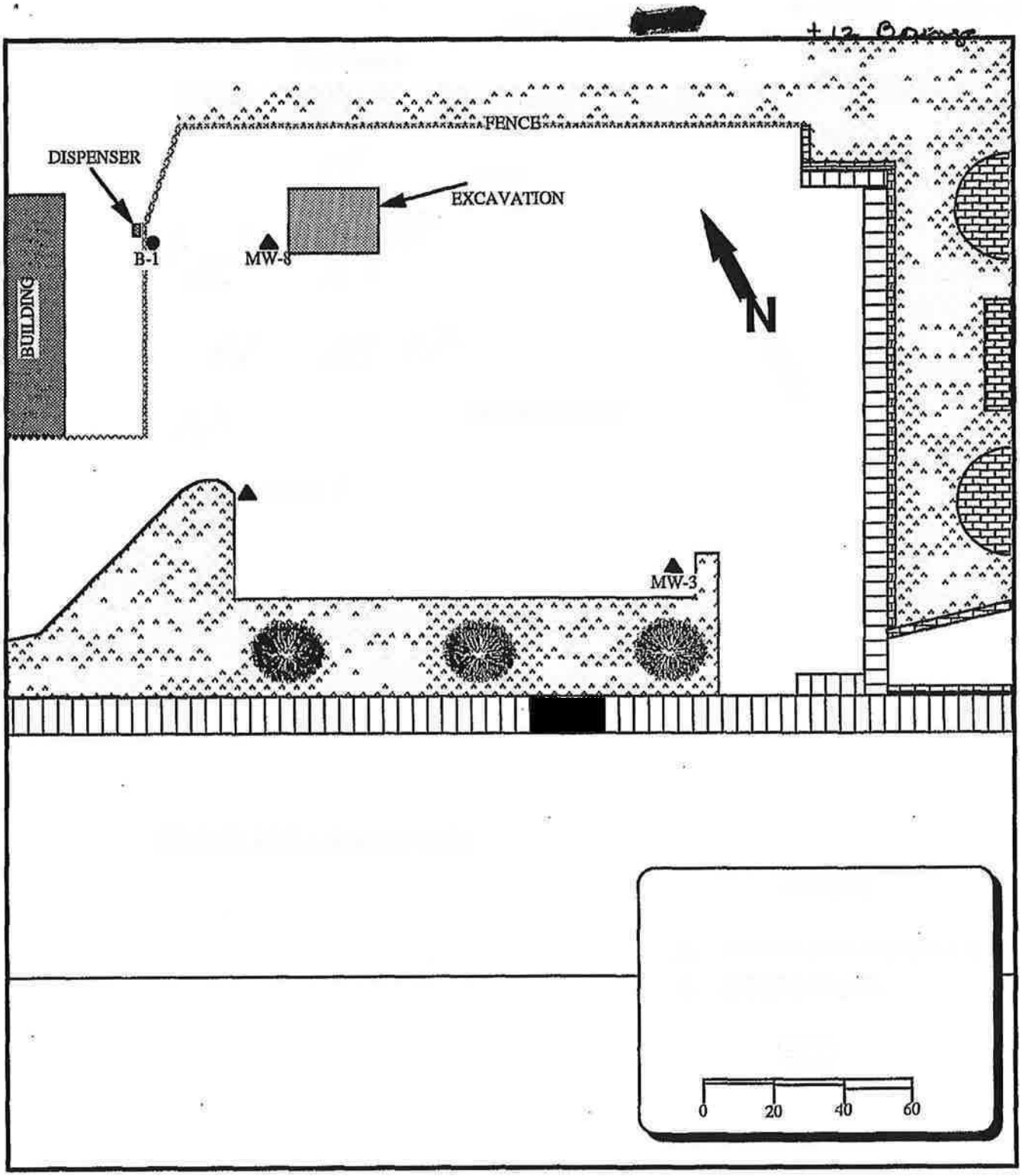


groundwater resources, inc.

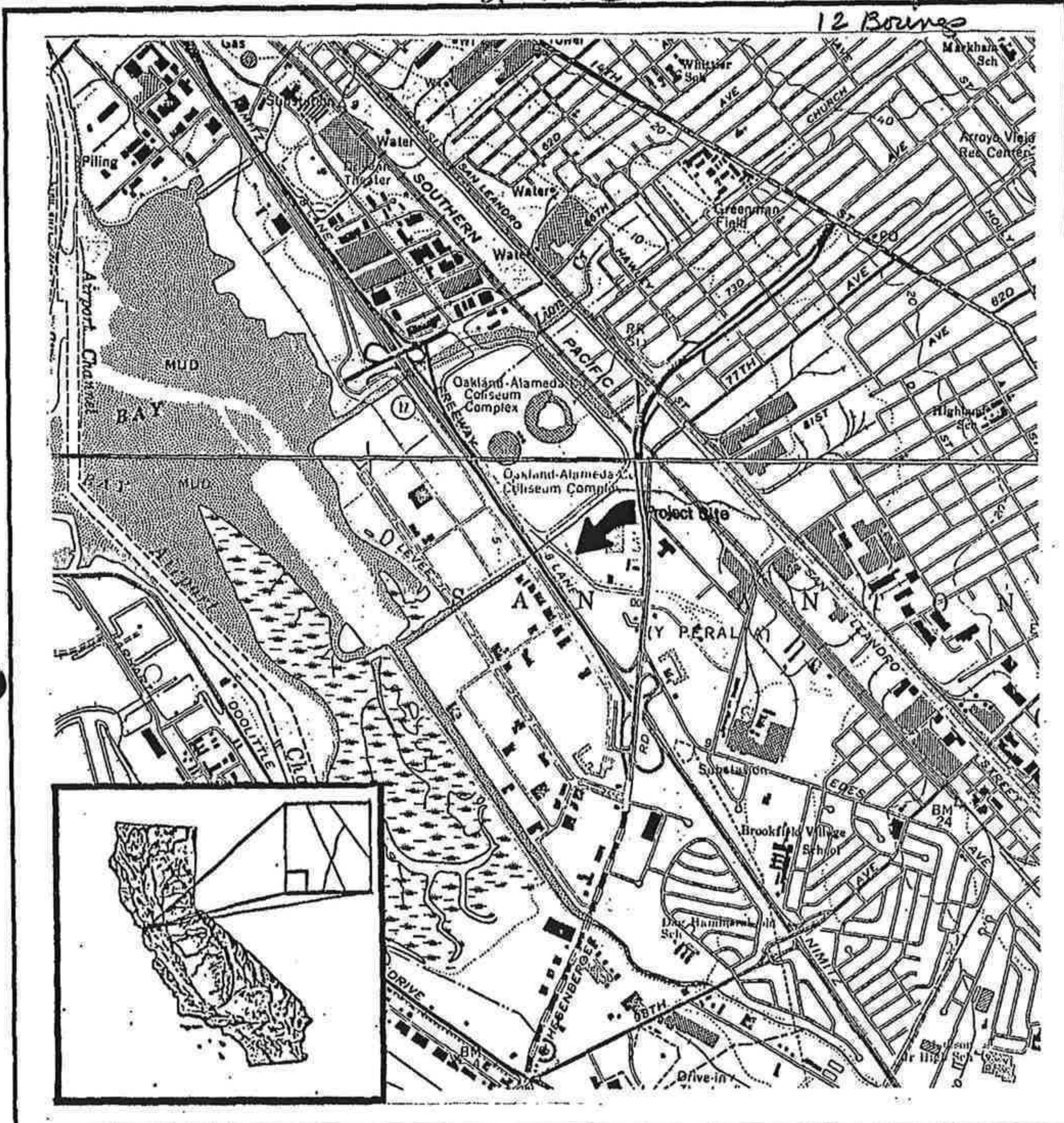
environmental/geotechnical services

Add –

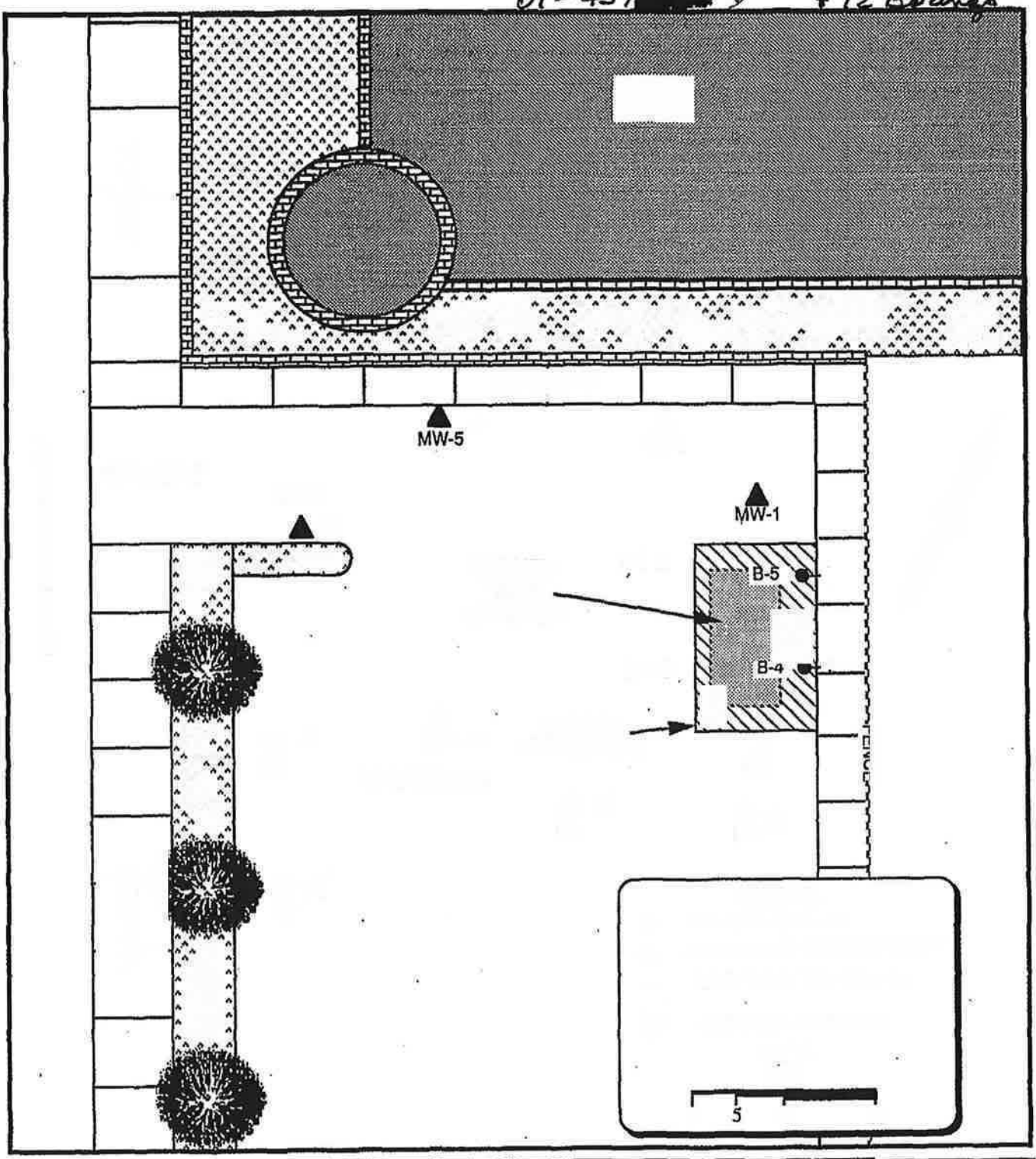
01-457[redacted]

2S/3W 21G5-10

12 Borings



01-457[redacted] B + 12 Borings

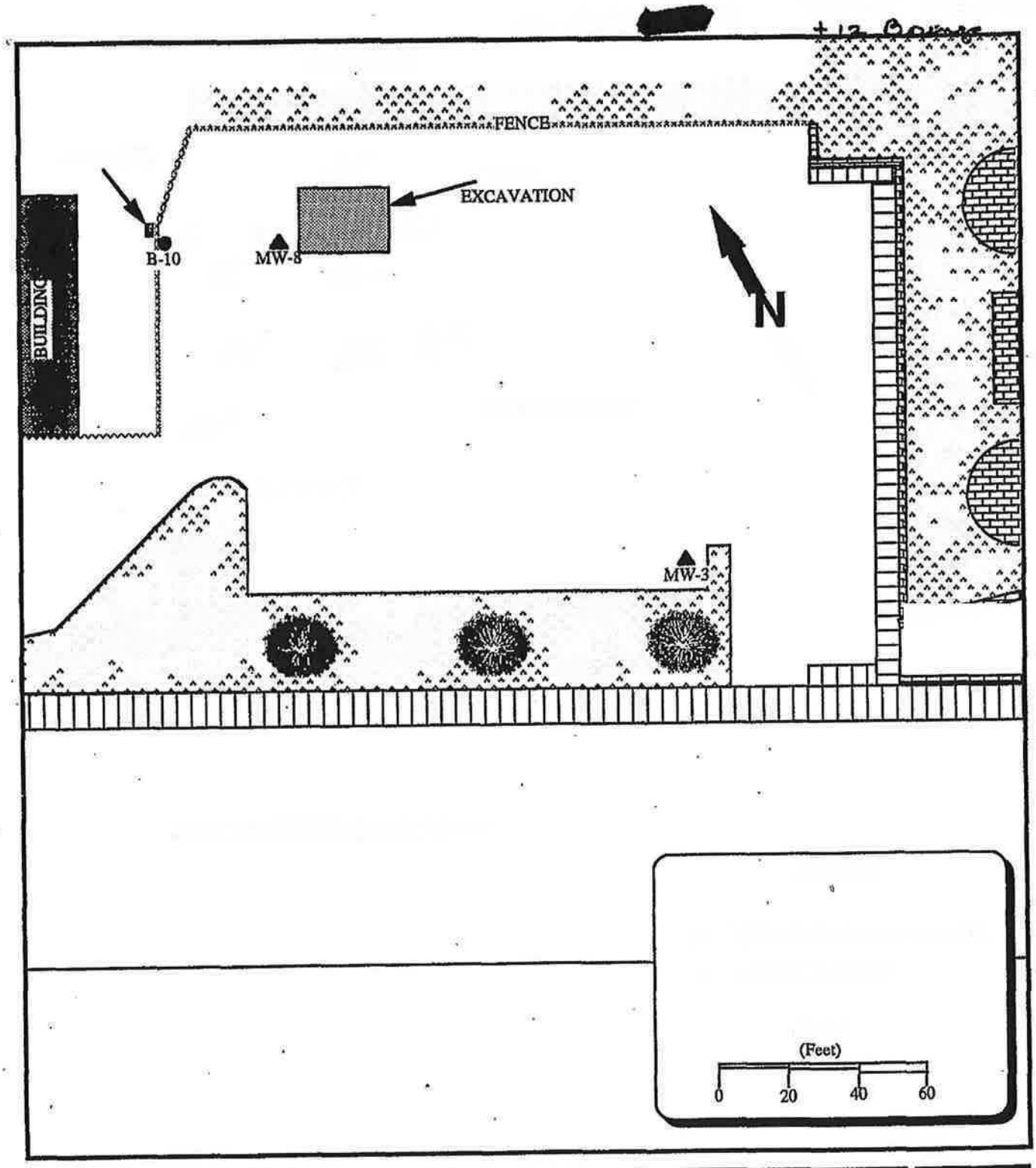


groundwater

enviro

6-19-90

24 Excaltech - 486



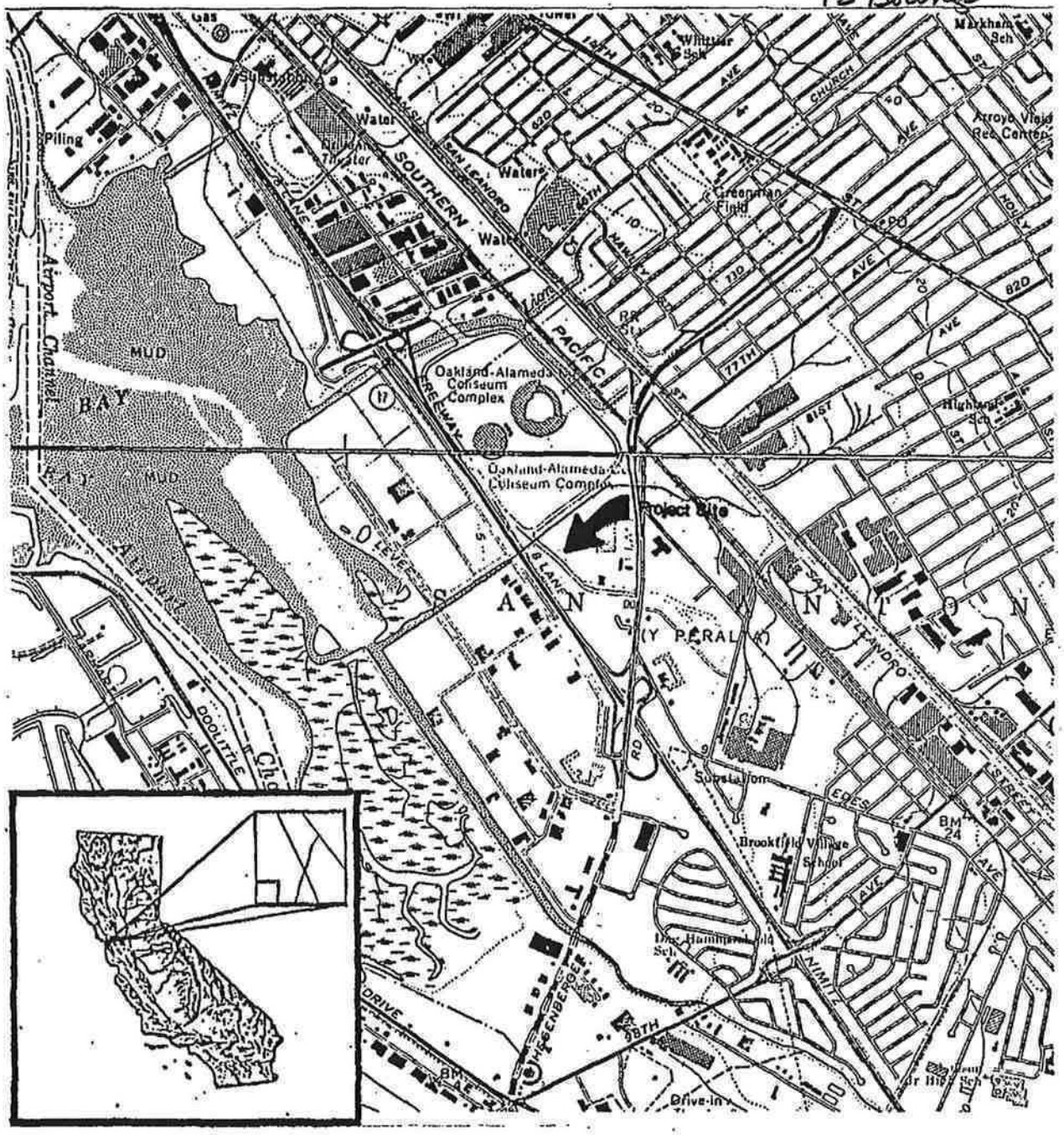
groundwater

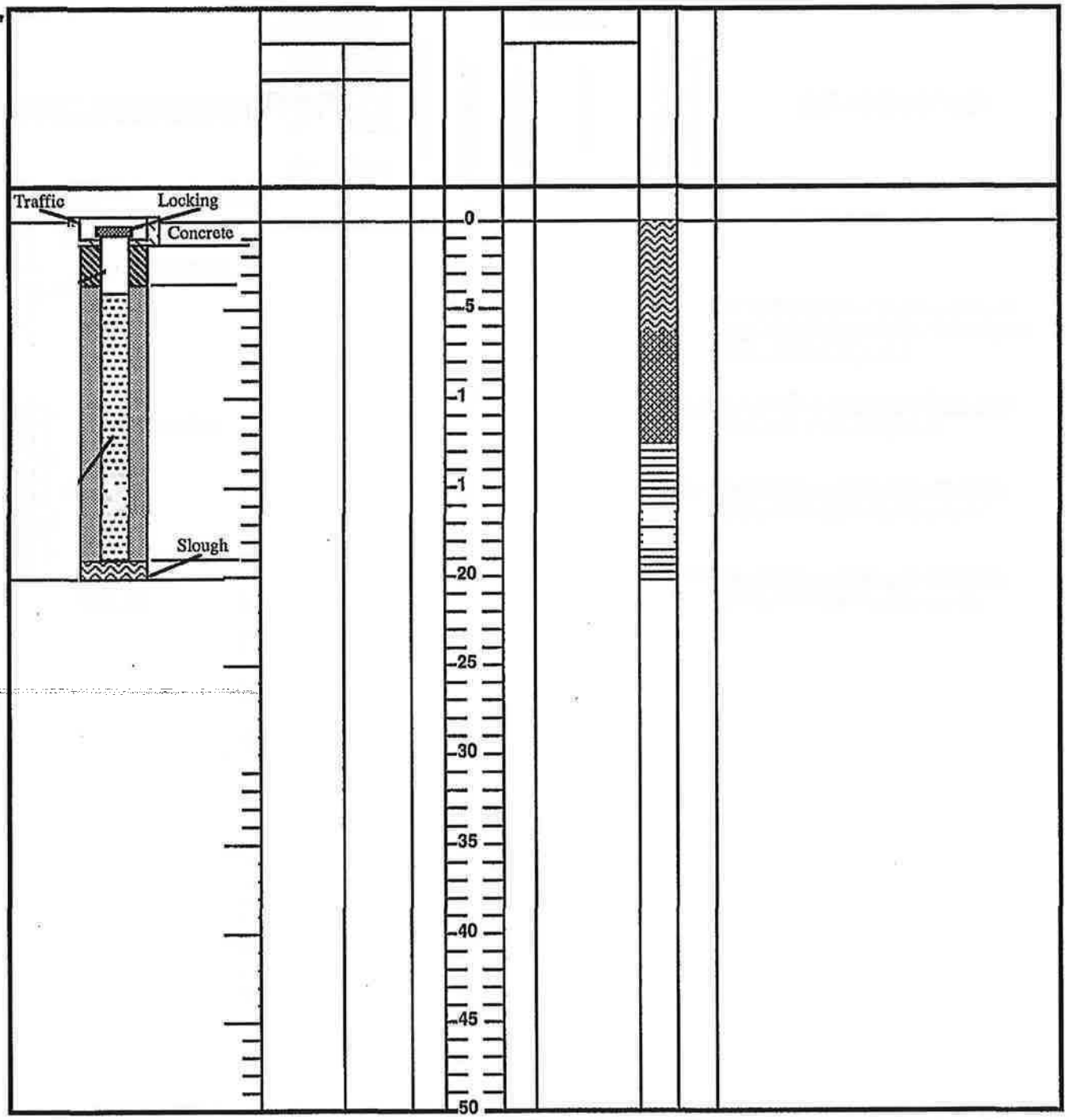
environmental/geotechnical

01-457[redacted] B

2S/3W21C5-10

12 Borings




Traffic
Locking
Concrete
Slough
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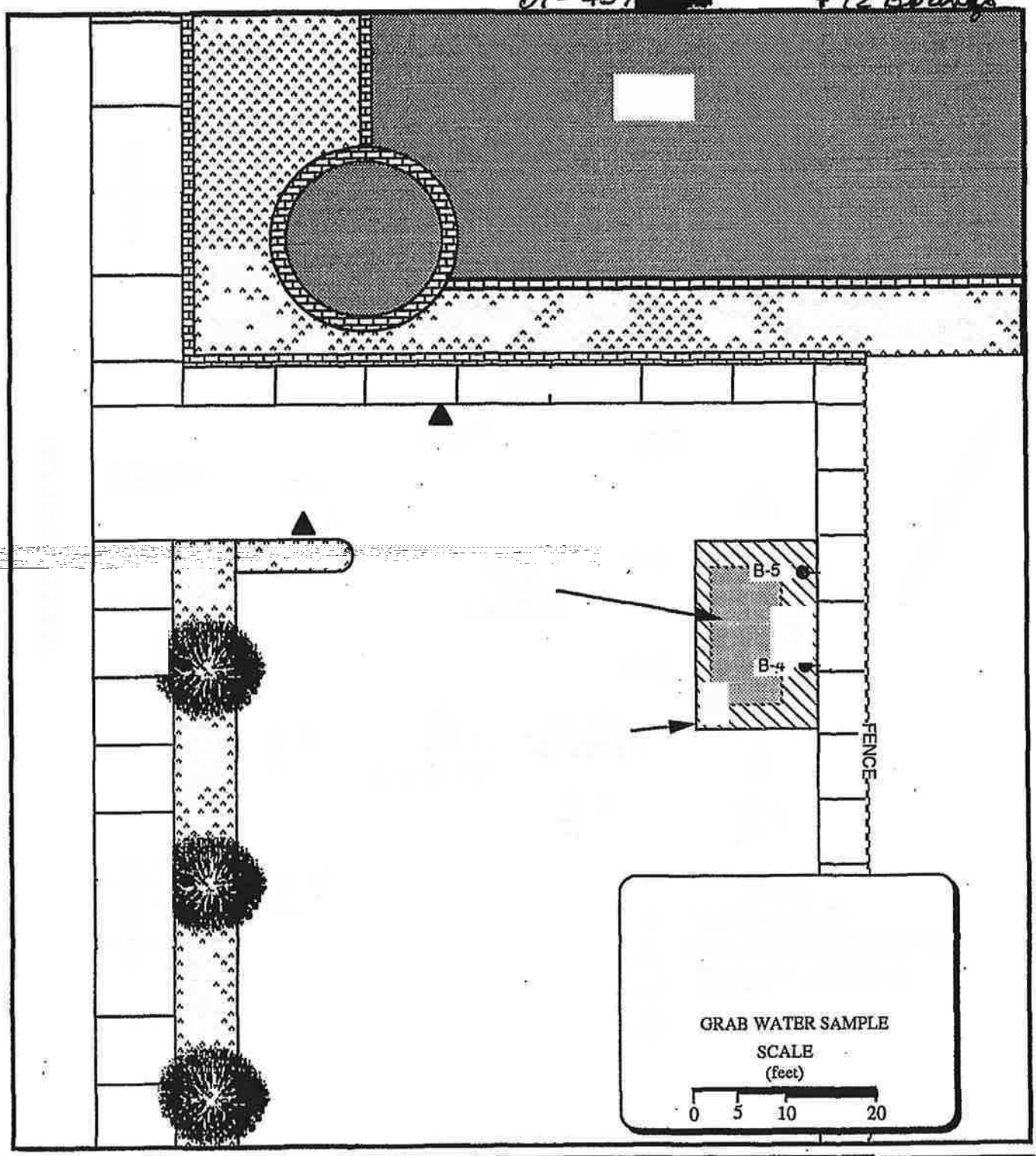
01-457[redacted]

25/3W C
+12 Borings



groundwater
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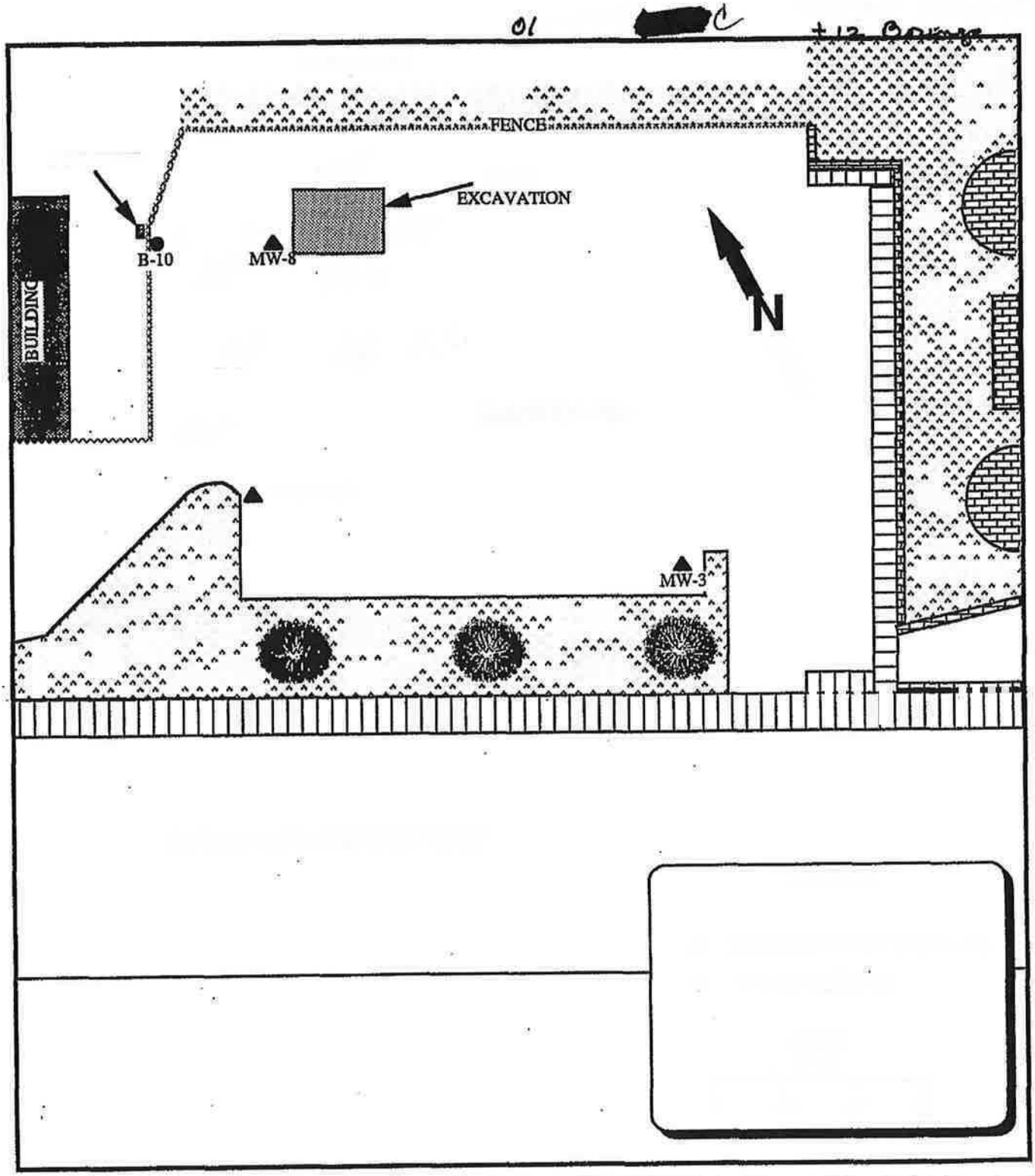
Excaltech - 486

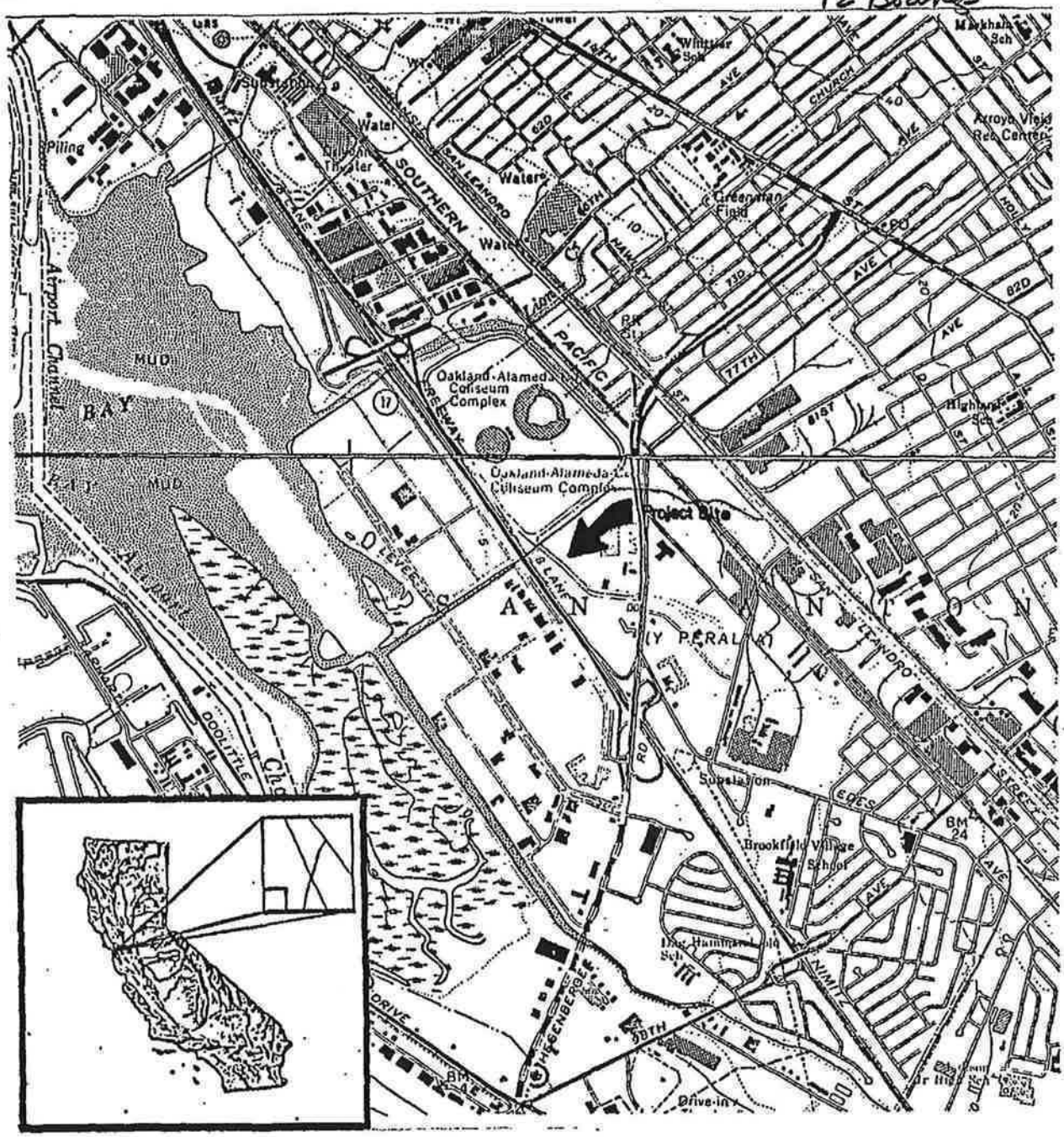


groundwate

environmental/geotechnical

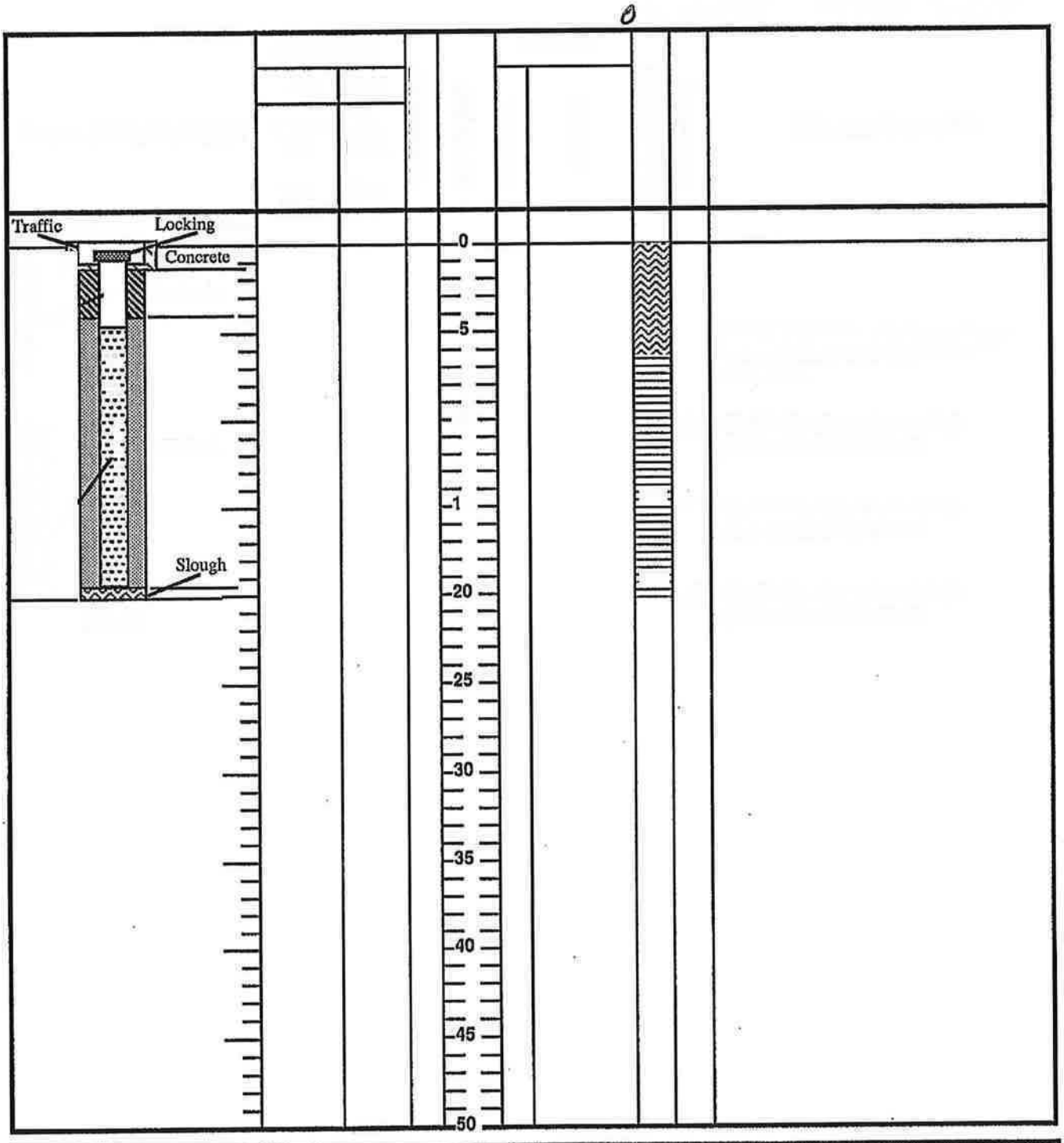
01-457[redacted] 2S 3W 21C 5 10

12 Borings



LAND, IA

roje


Traffic
Locking
Concrete
Slough
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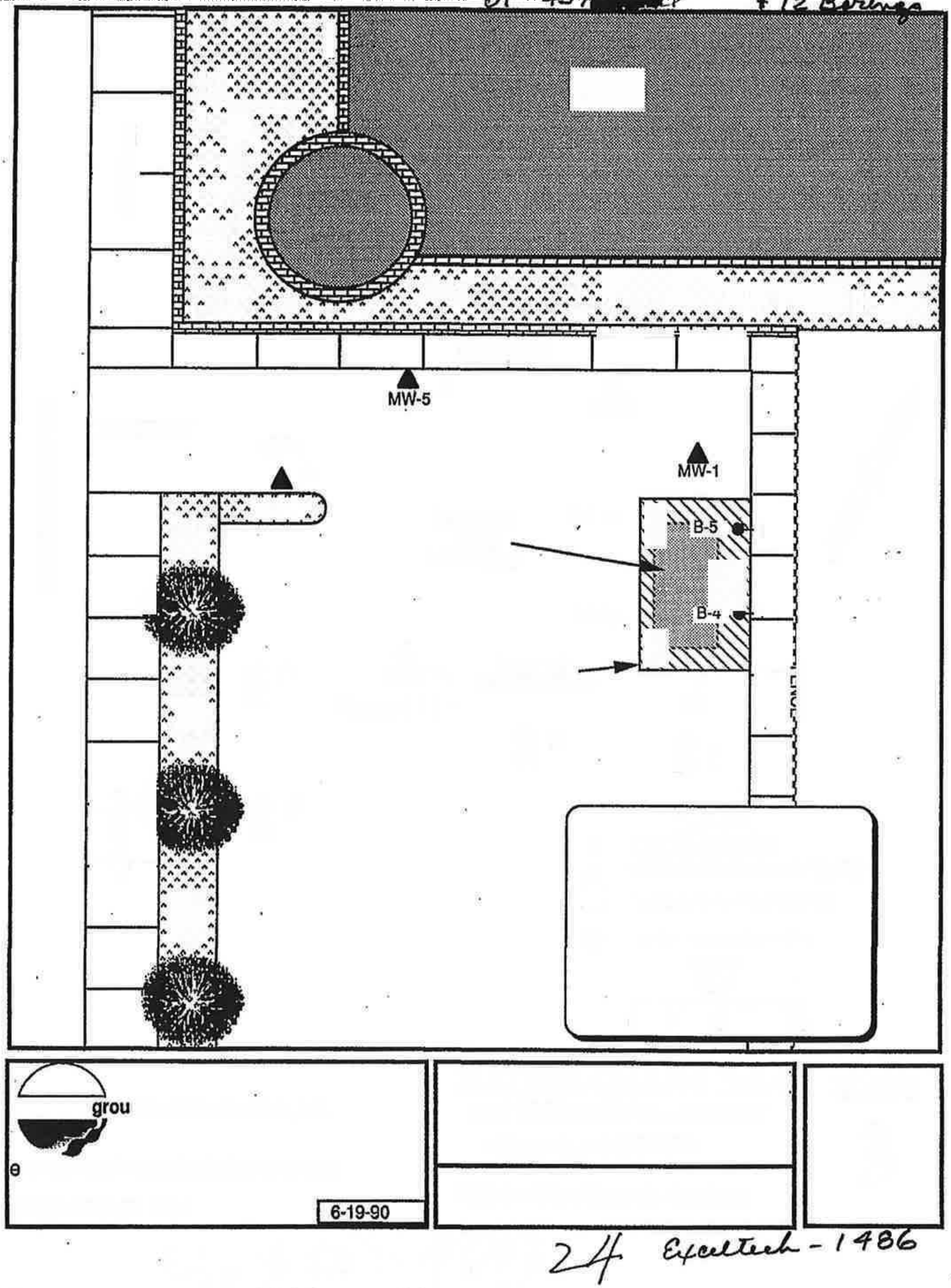
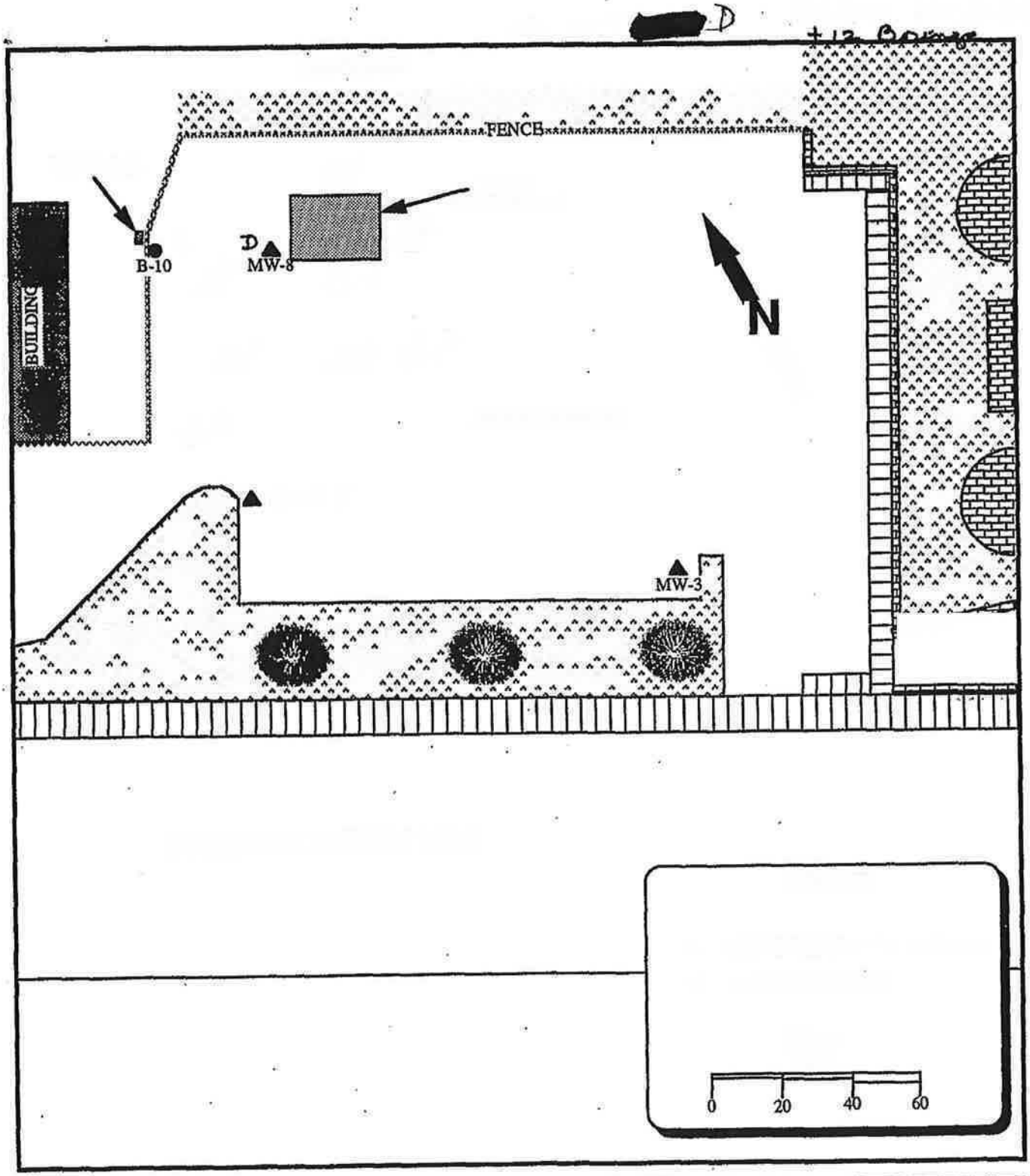
01 457[redacted]D 2513 + 12 Borings



24 Excelteck - 1486



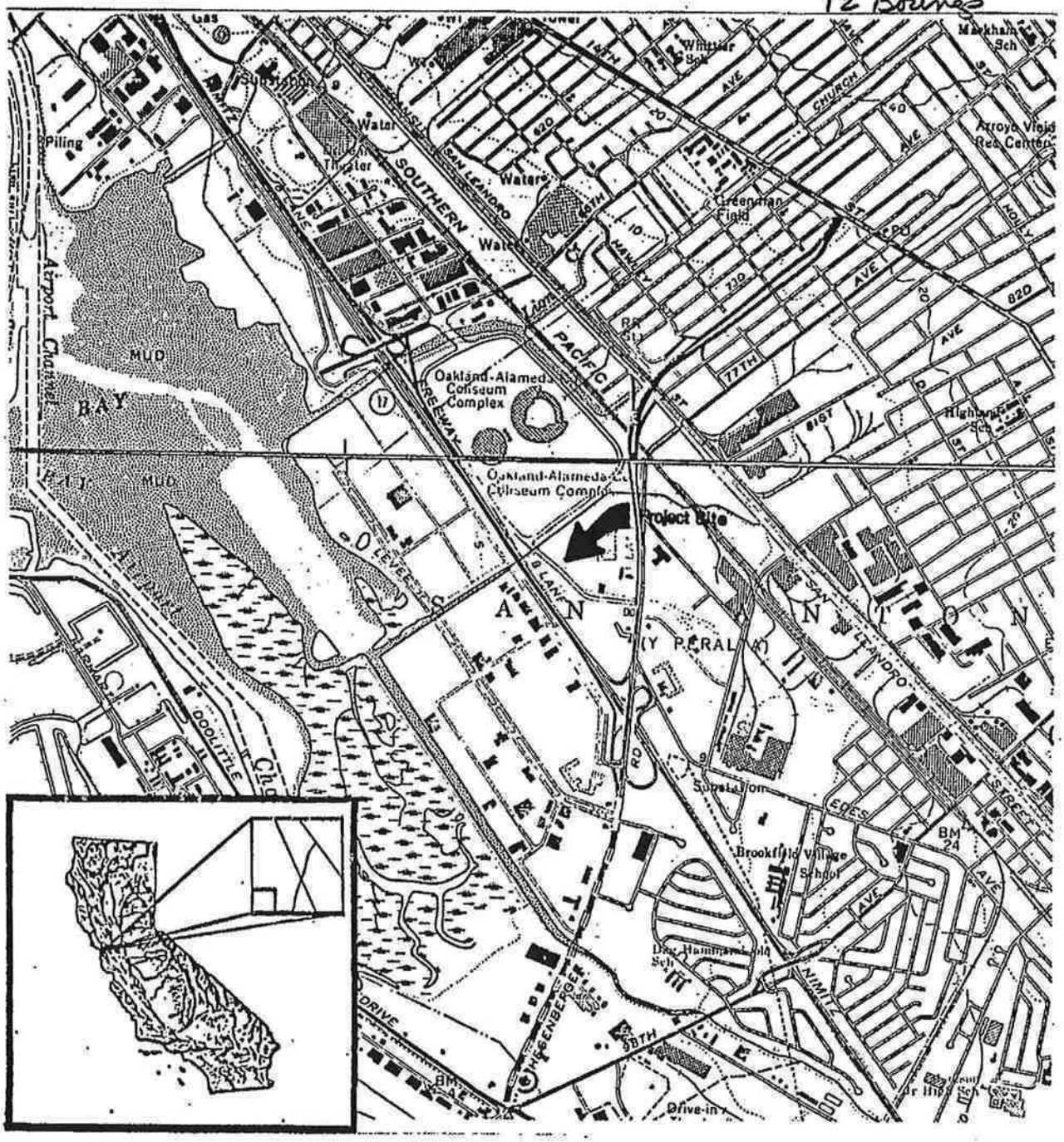
groundwater

environmental/geotechnical

01-457[redacted] D

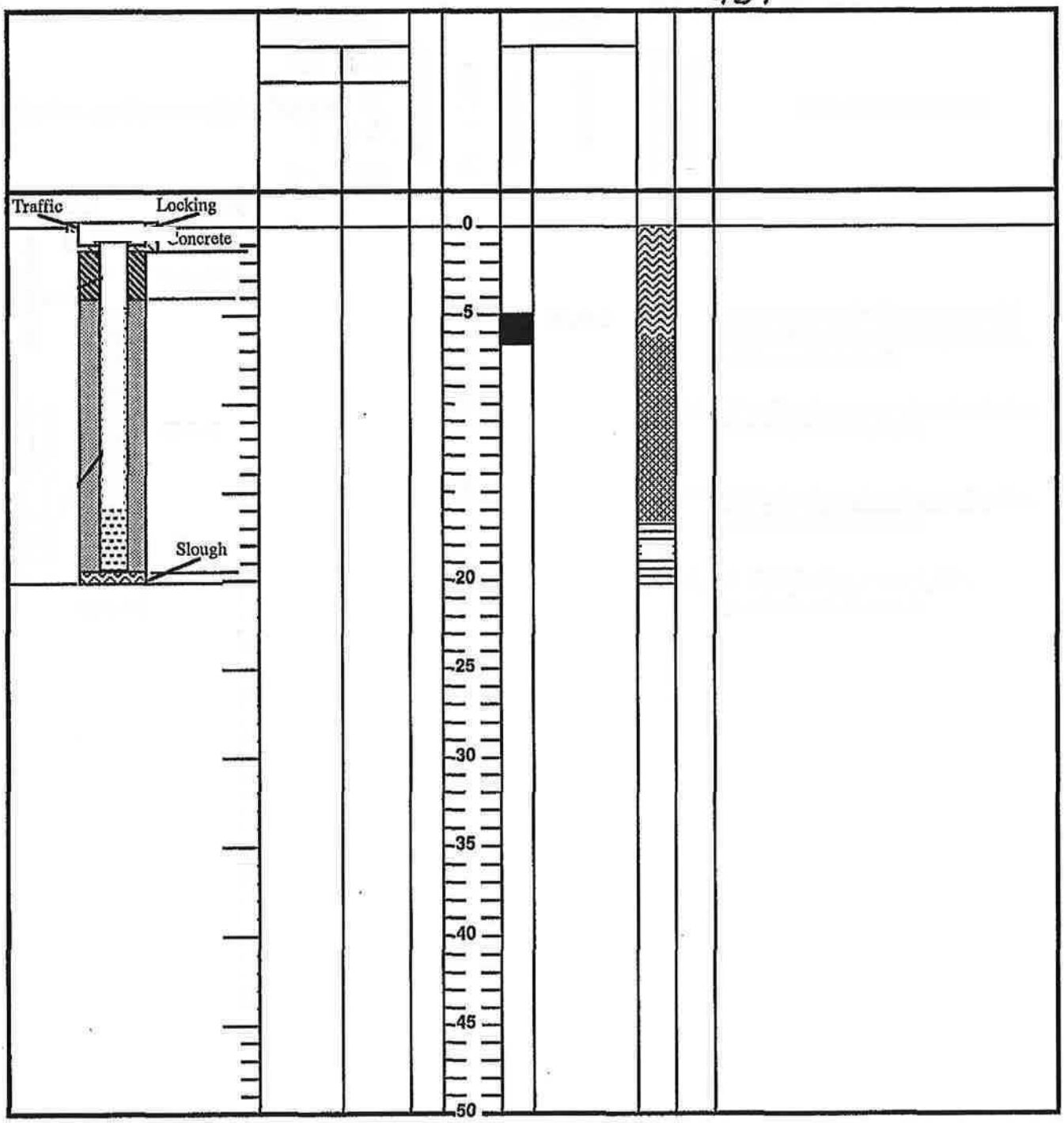
2S 3W 21C 5-10

12 Borings



D,

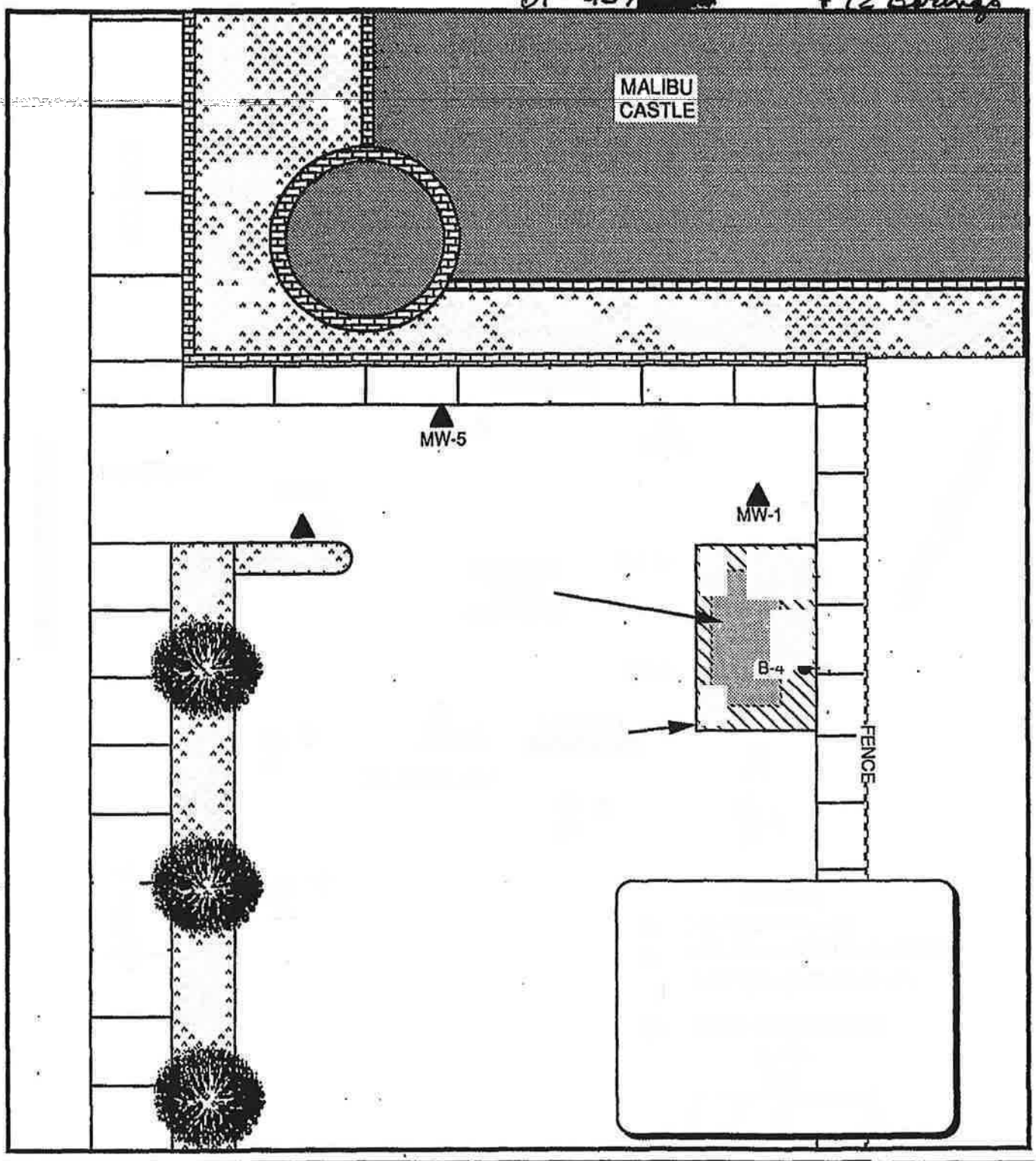
457



GROUNDWATER RESOURCES,

25/W 8

01 457[redacted] 25/3W
+12 Borings

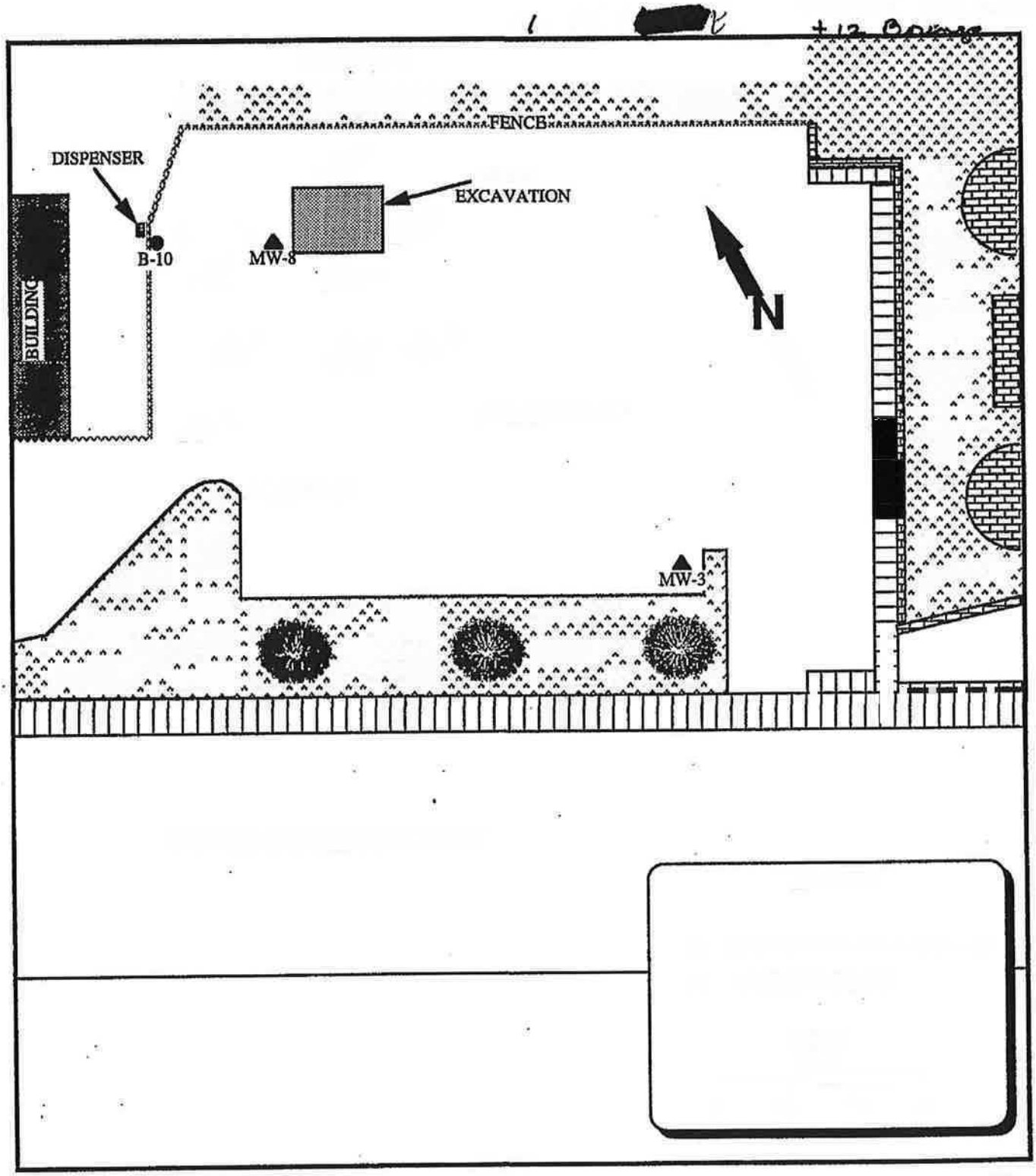


groundwater resources, inc.

environmental/geotechnical services

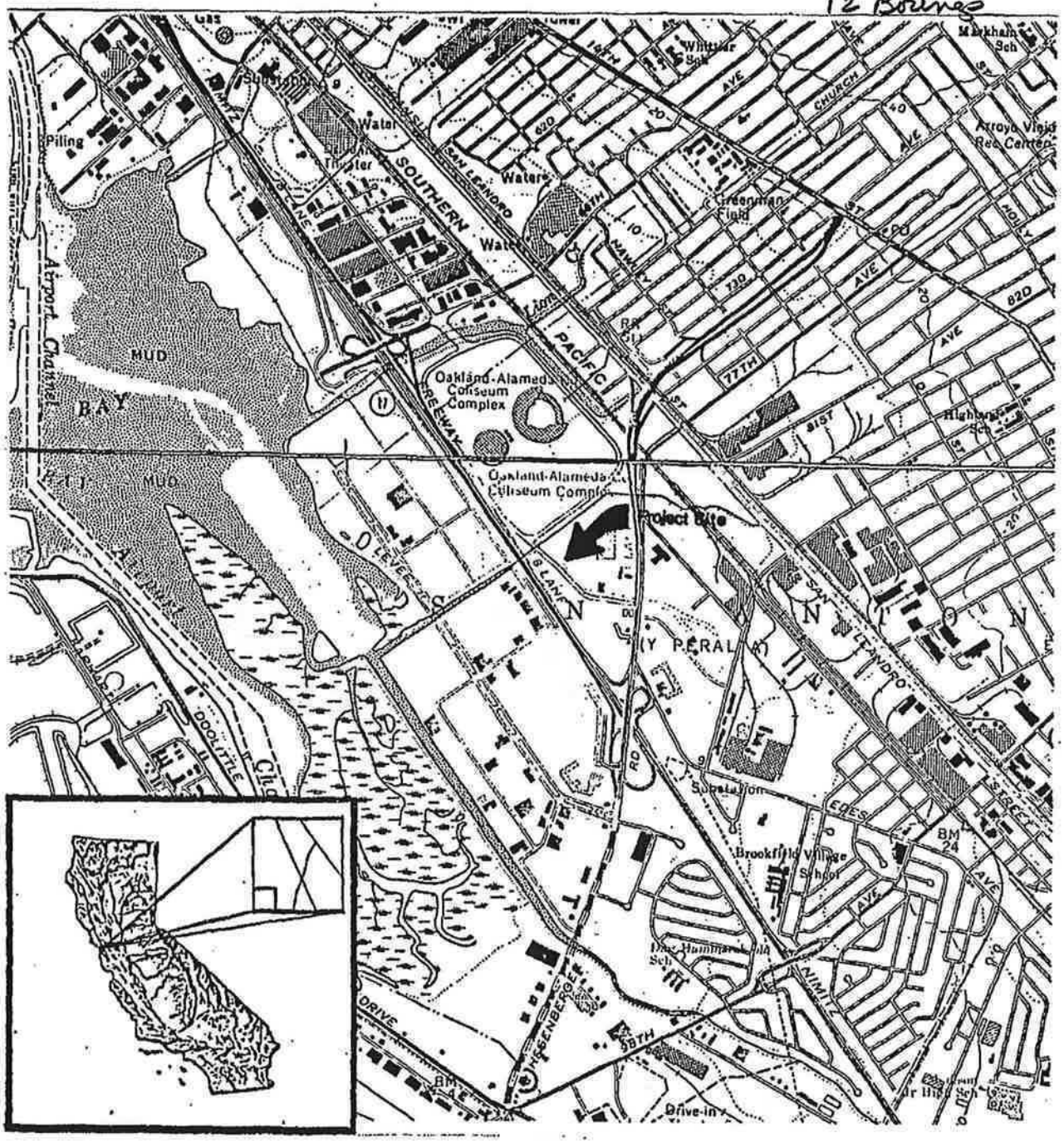
6-19-90

Excaltech - 486


FENCE
DISPENSER
EXCAVATION
B-10
MW-8
BUILDING
N
MW-3
groundwater

01 7[redacted] 2S/3W-21C5 10

12 Borings



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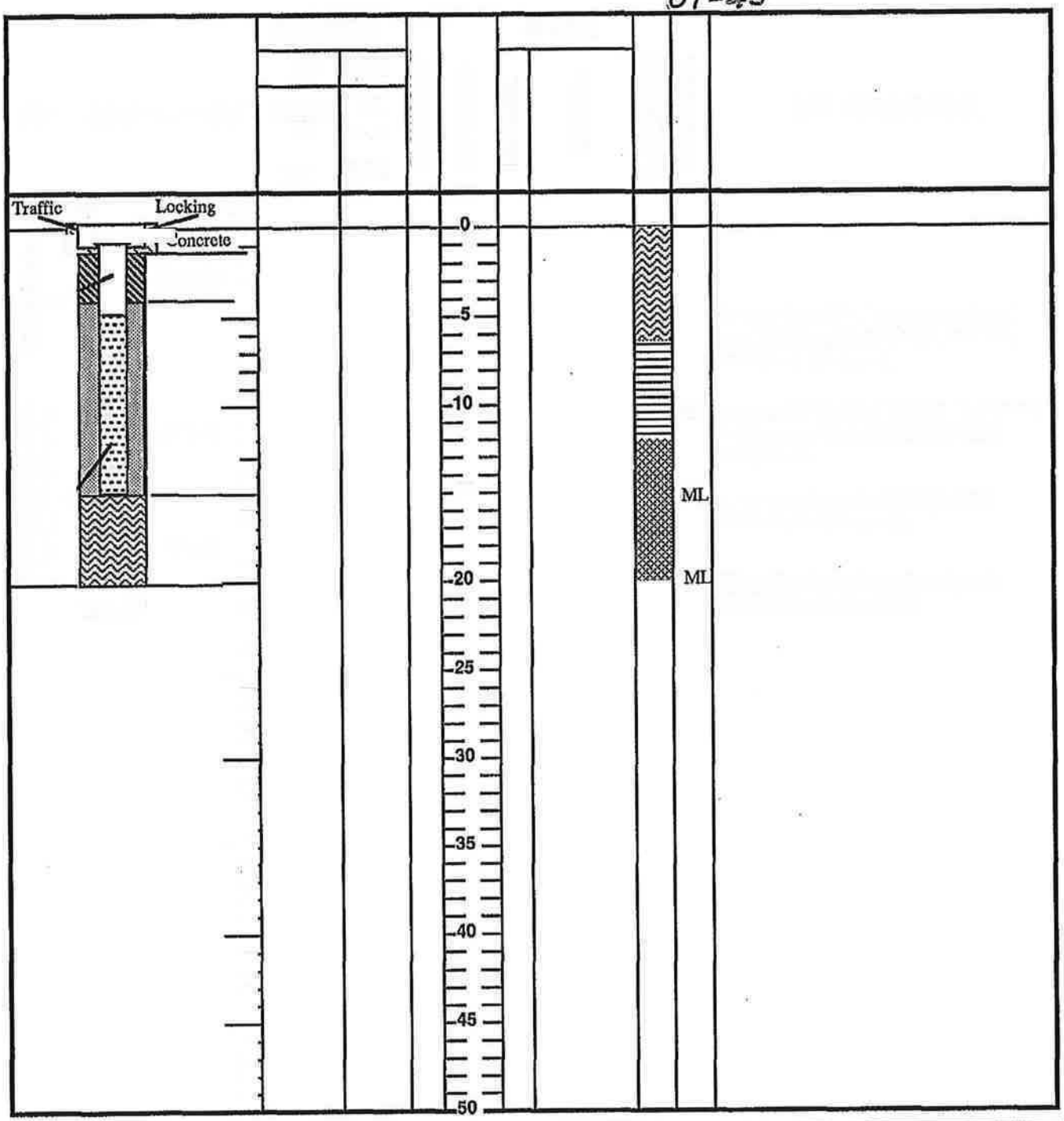

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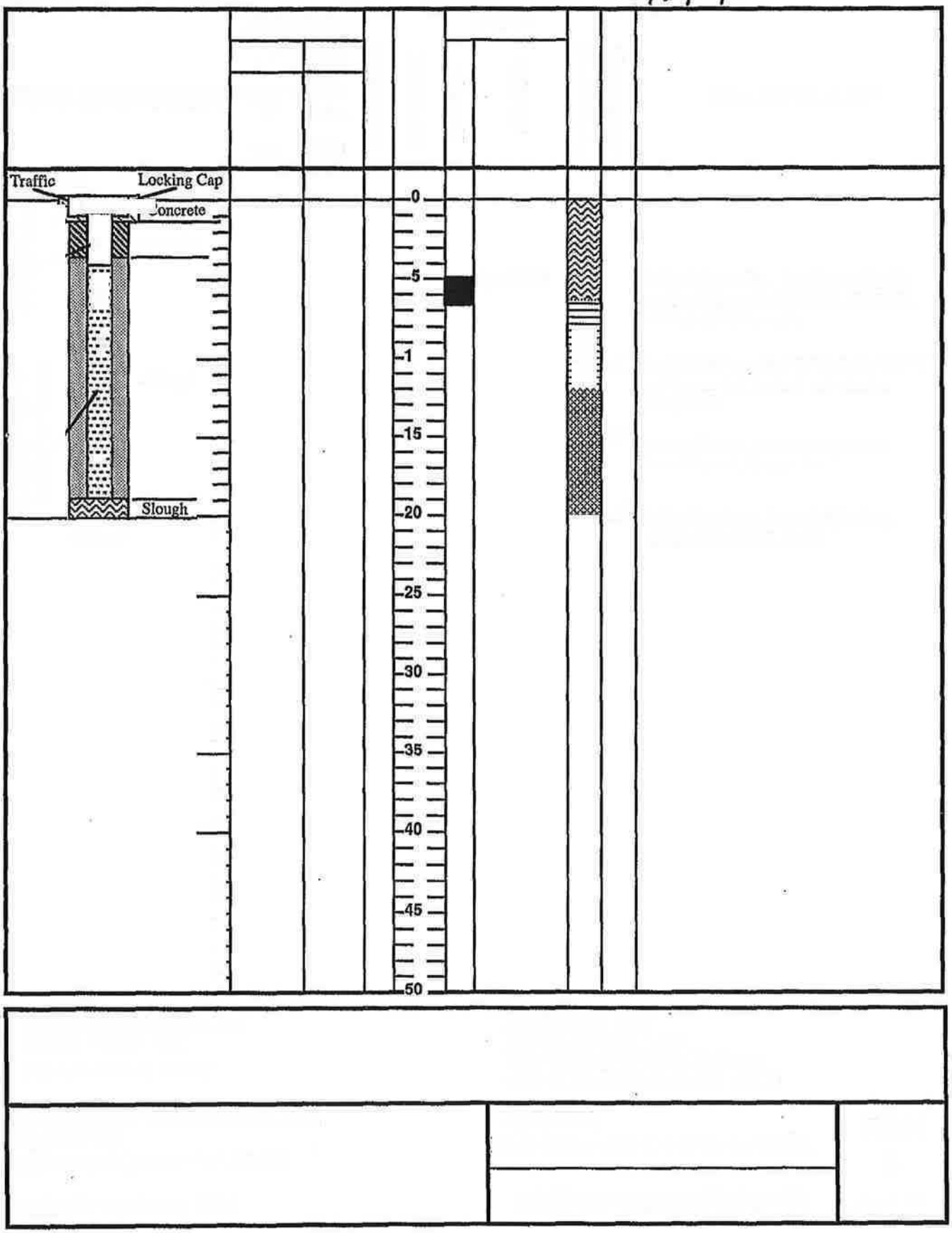
Traffic
Locking Cap
Concrete
Slough
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-1
-15
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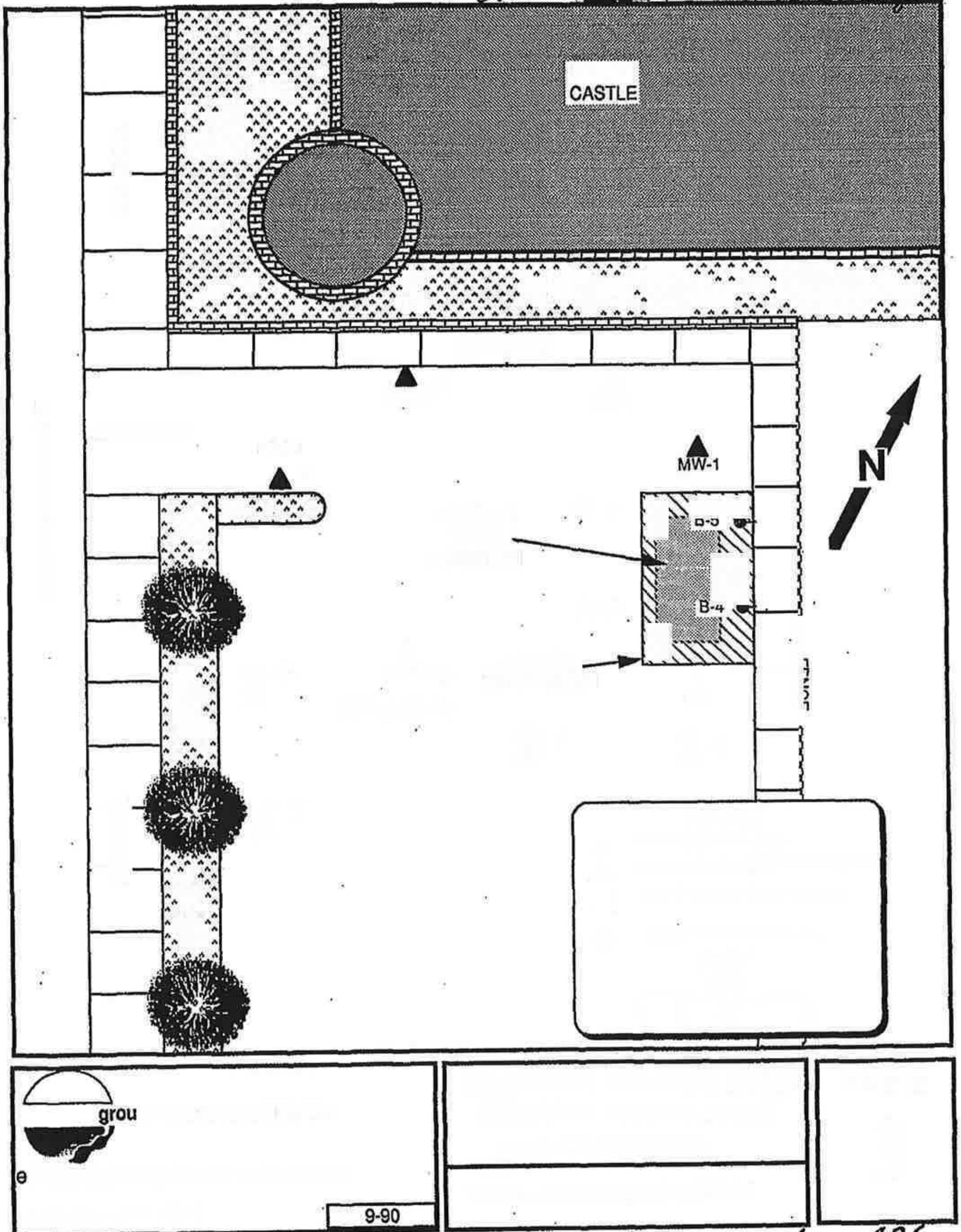
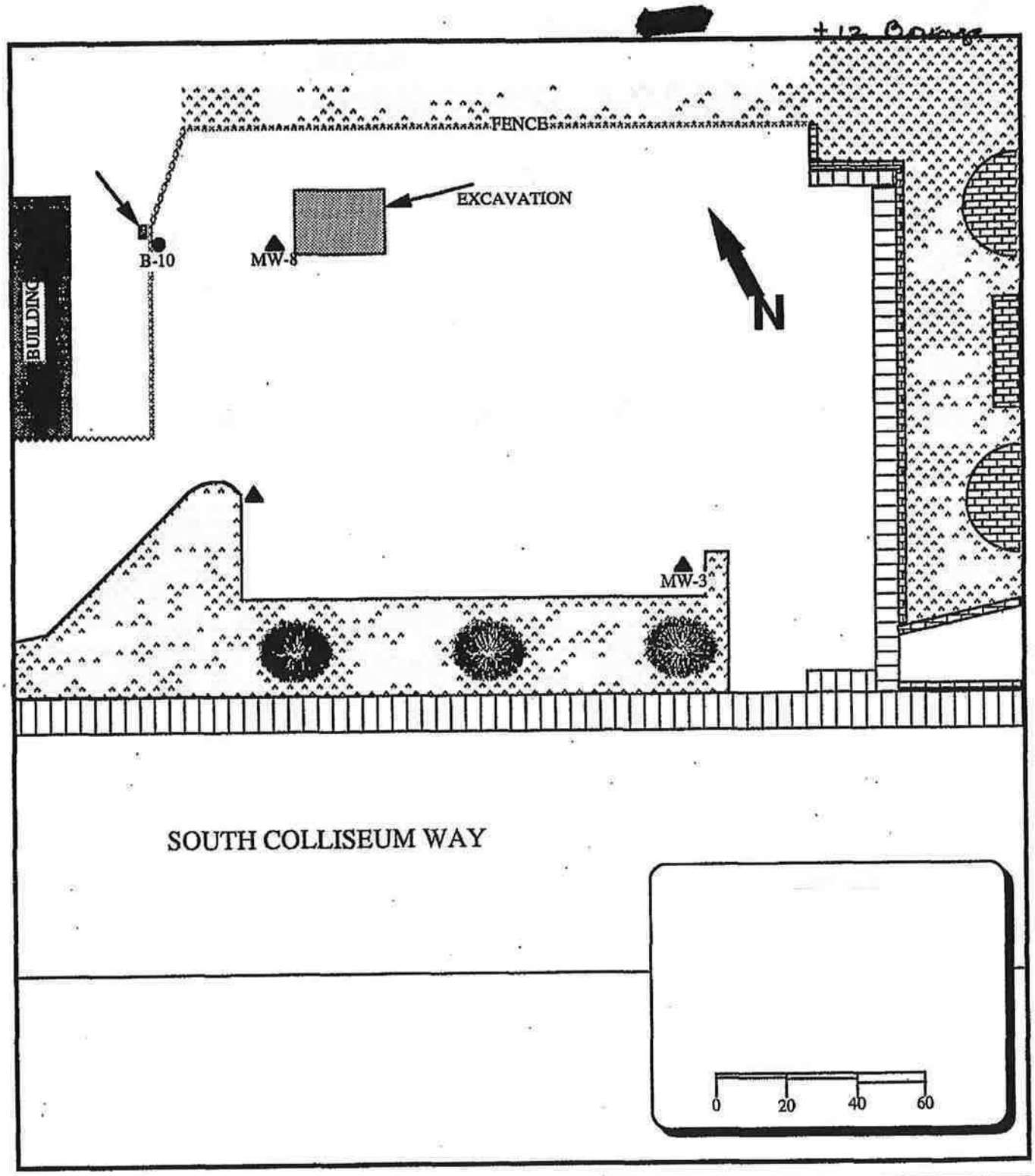
-45
-50

01 7[redacted]F + 12 Borings



24 Excaltech - 486


+12 Borings
FENCE
EXCAVATION
B-10
MW-8
MW-3
BUILDING
N
SOUTH COLLISEUM WAY
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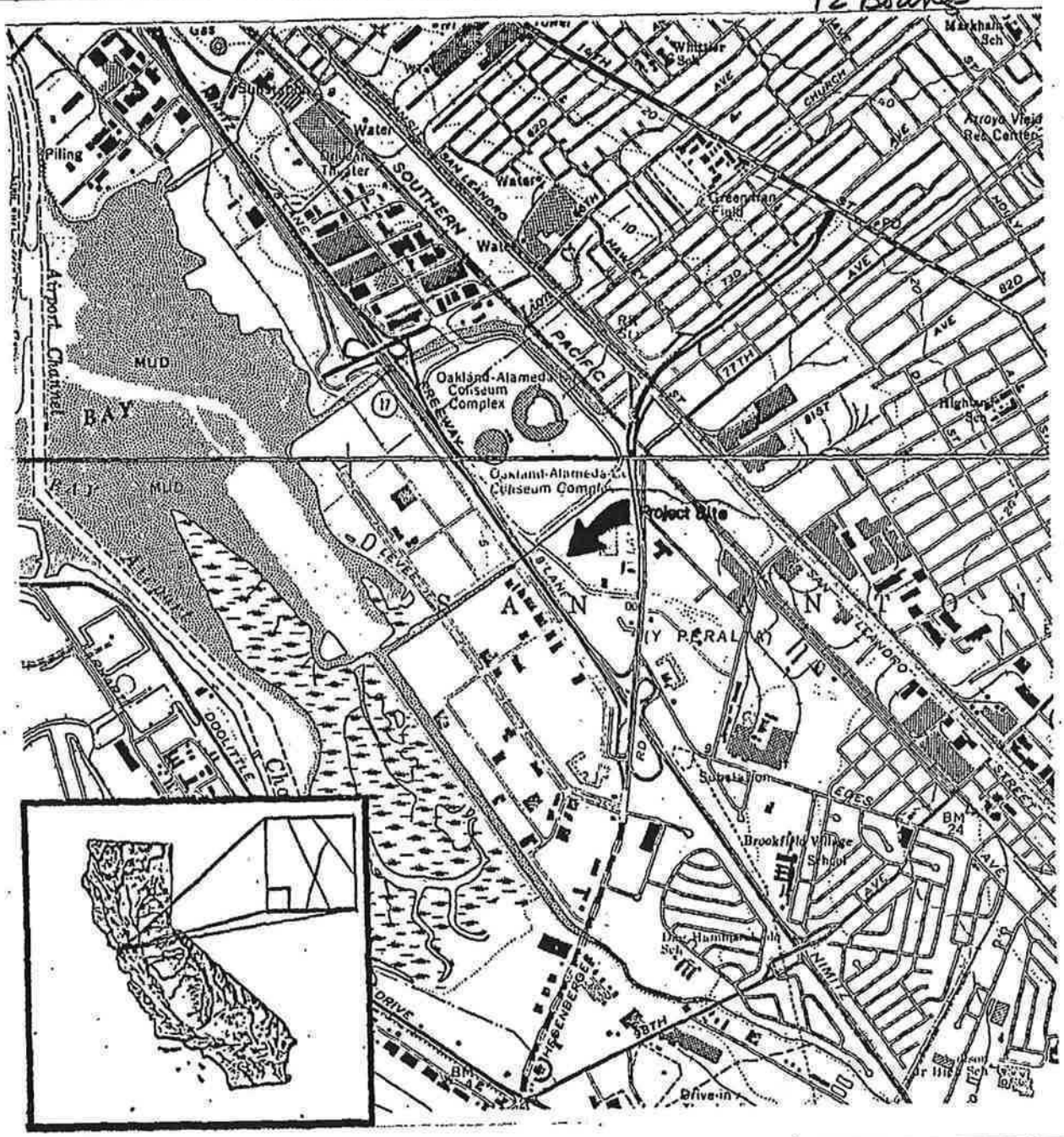
40
60
groundwater

01-457[redacted]

2S/3W-21C5-10

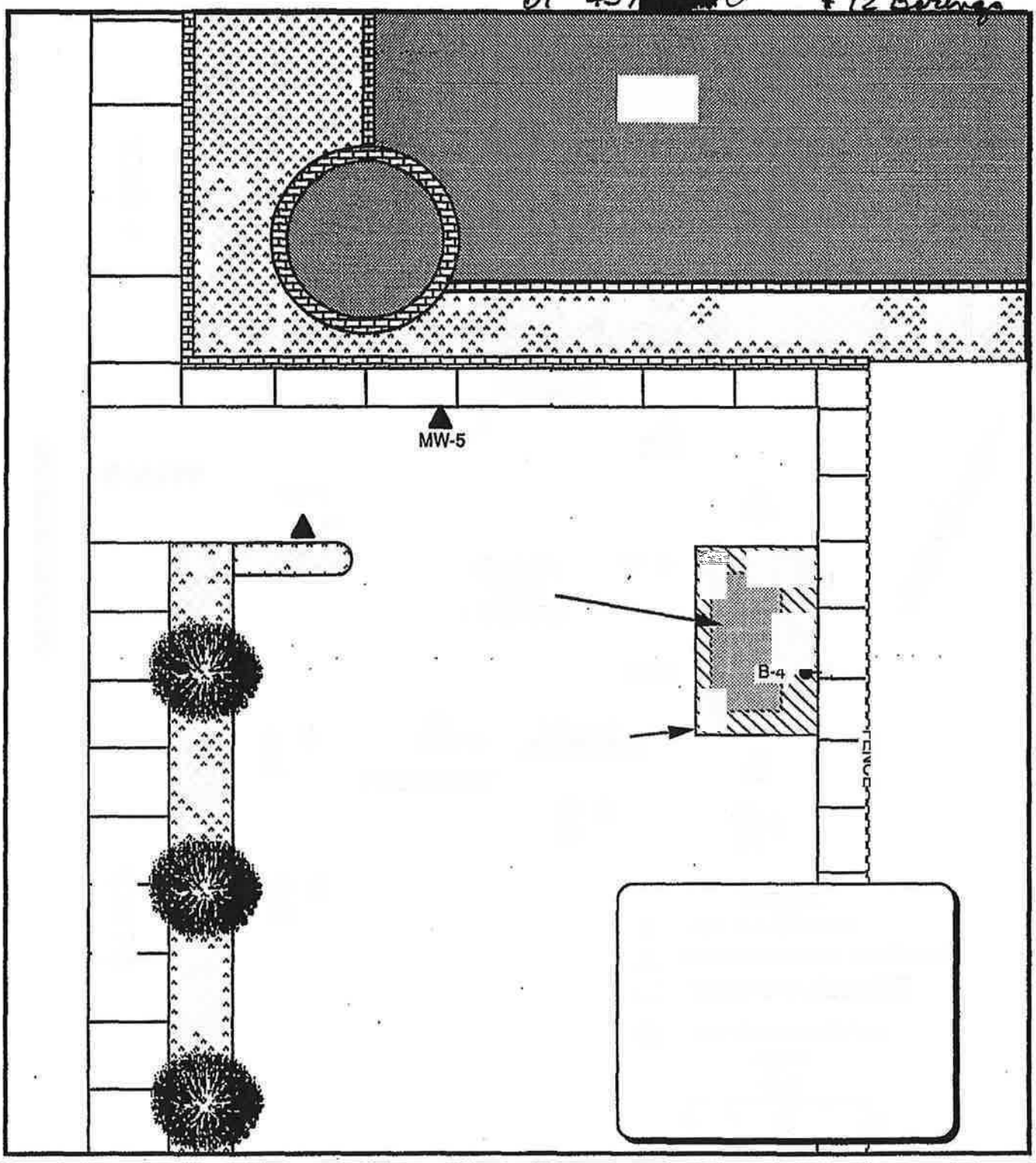
12 Borings



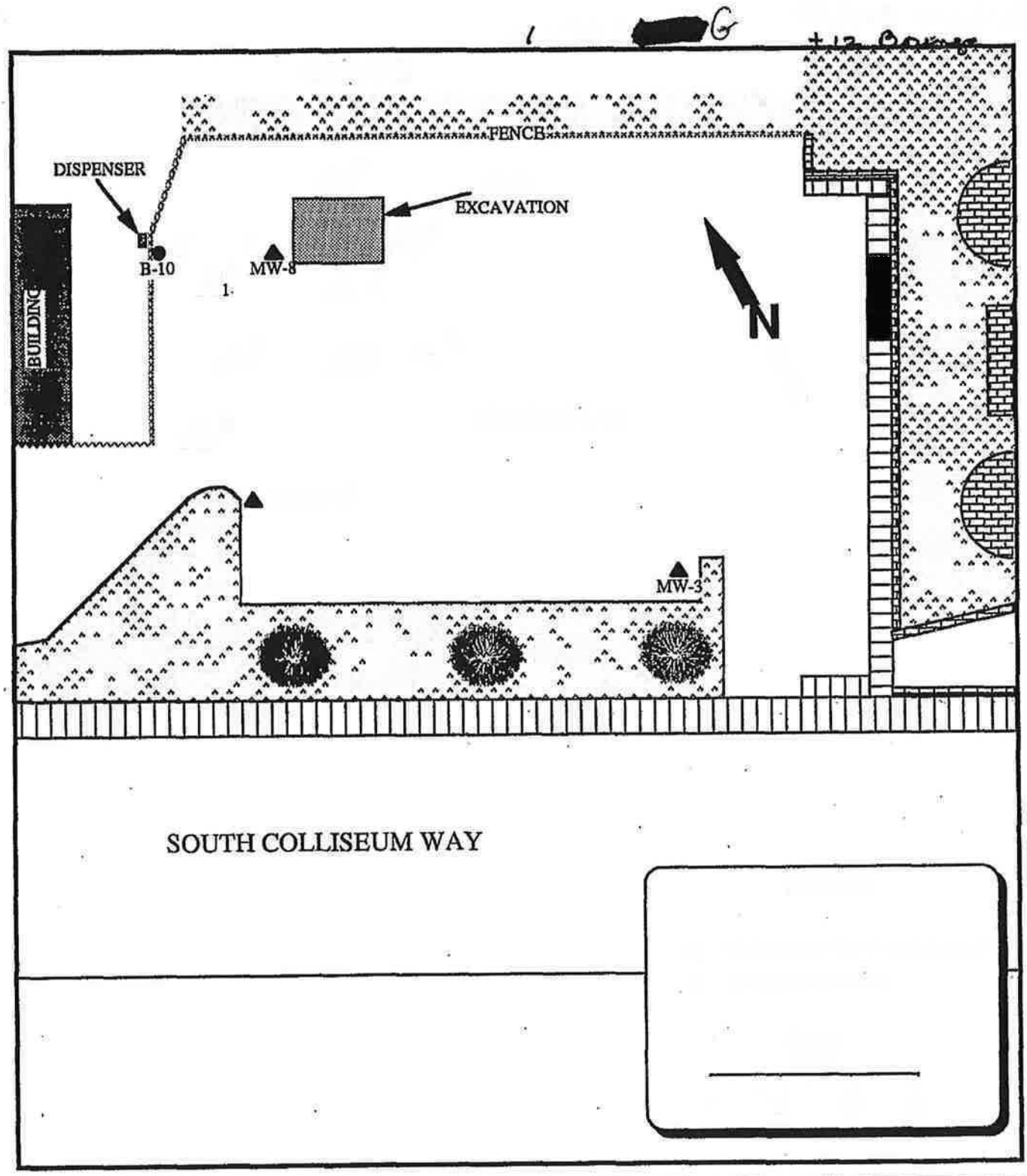
MALIBU GRAND RACE TRACK

OAKLAND,

01 457 [redacted] G 13 C + 12 Borings



Exceltech - 486

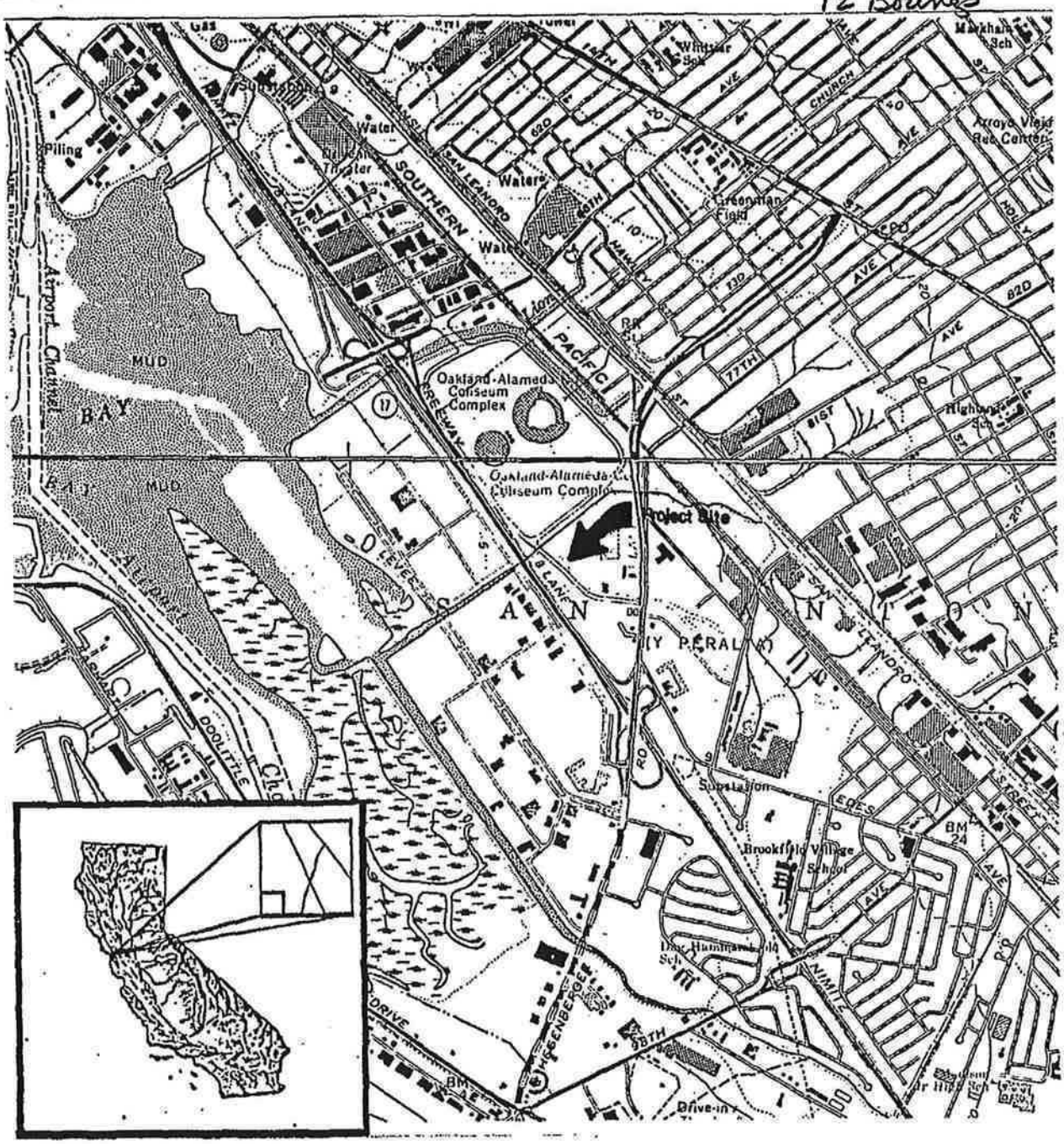


groundwater

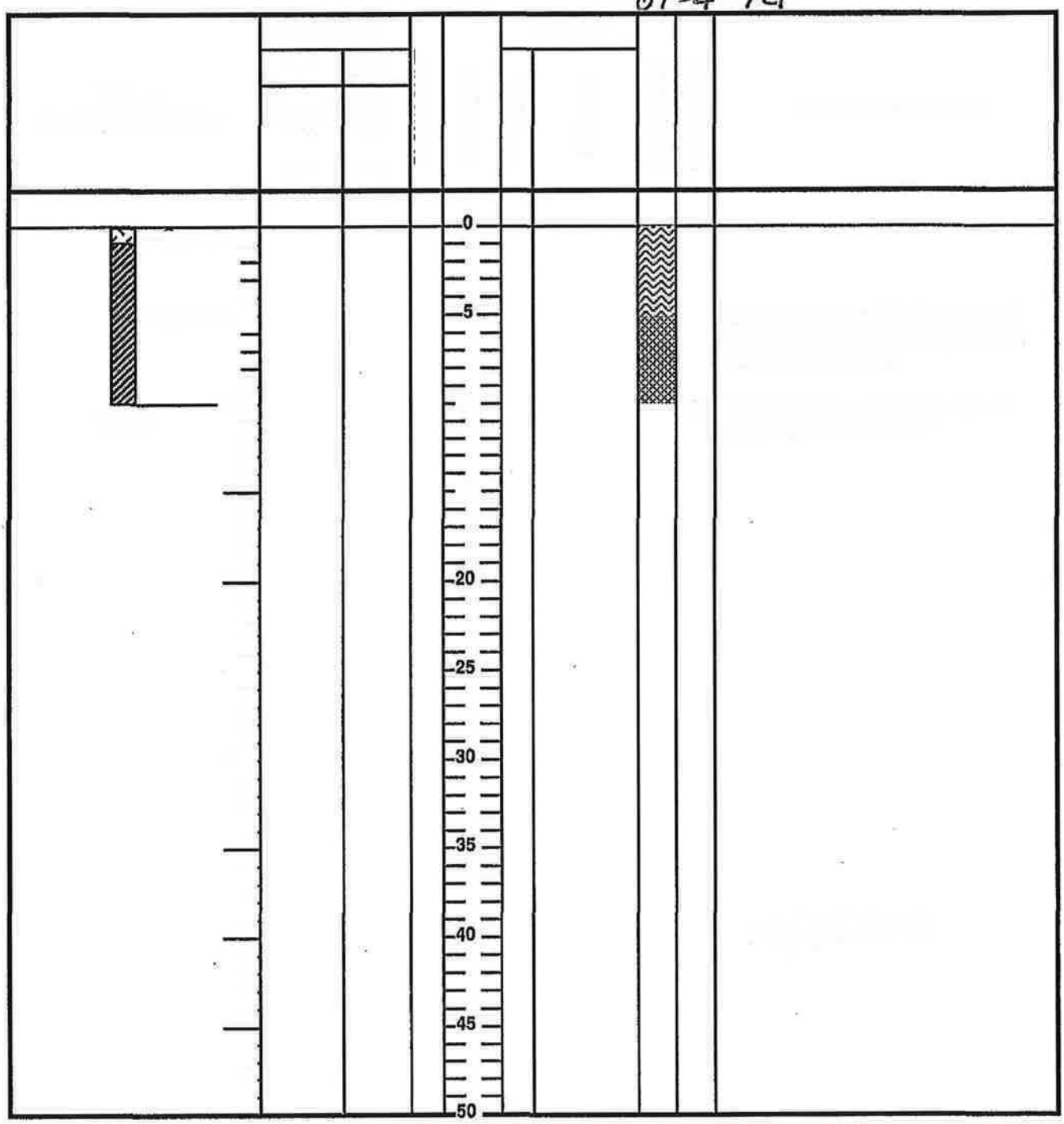
environmental/geotechnical

01-457[redacted]G 2S/3W21C5-10

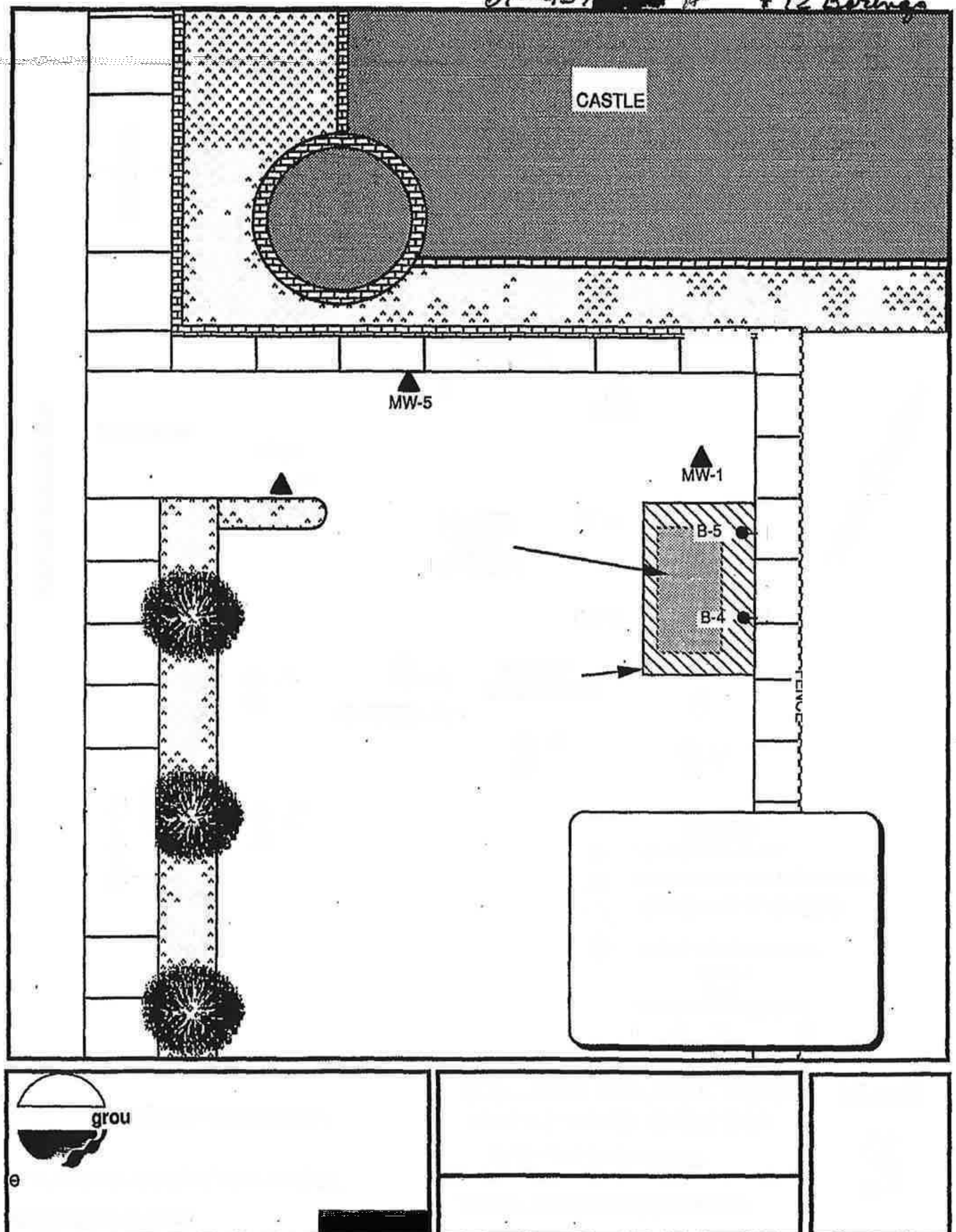
12 Borings



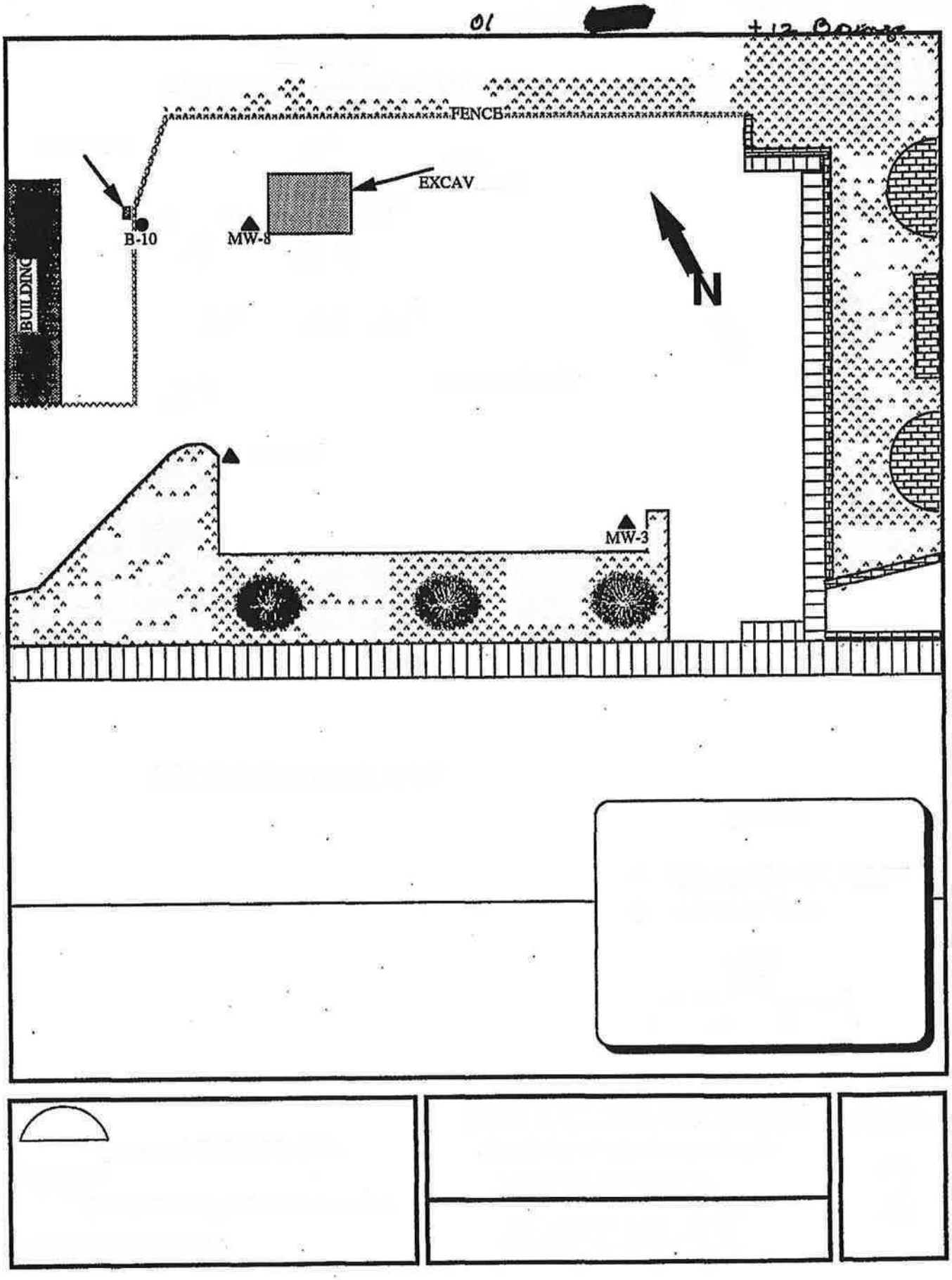
01-4 7G



01-457 [redacted] H # 12 Borings

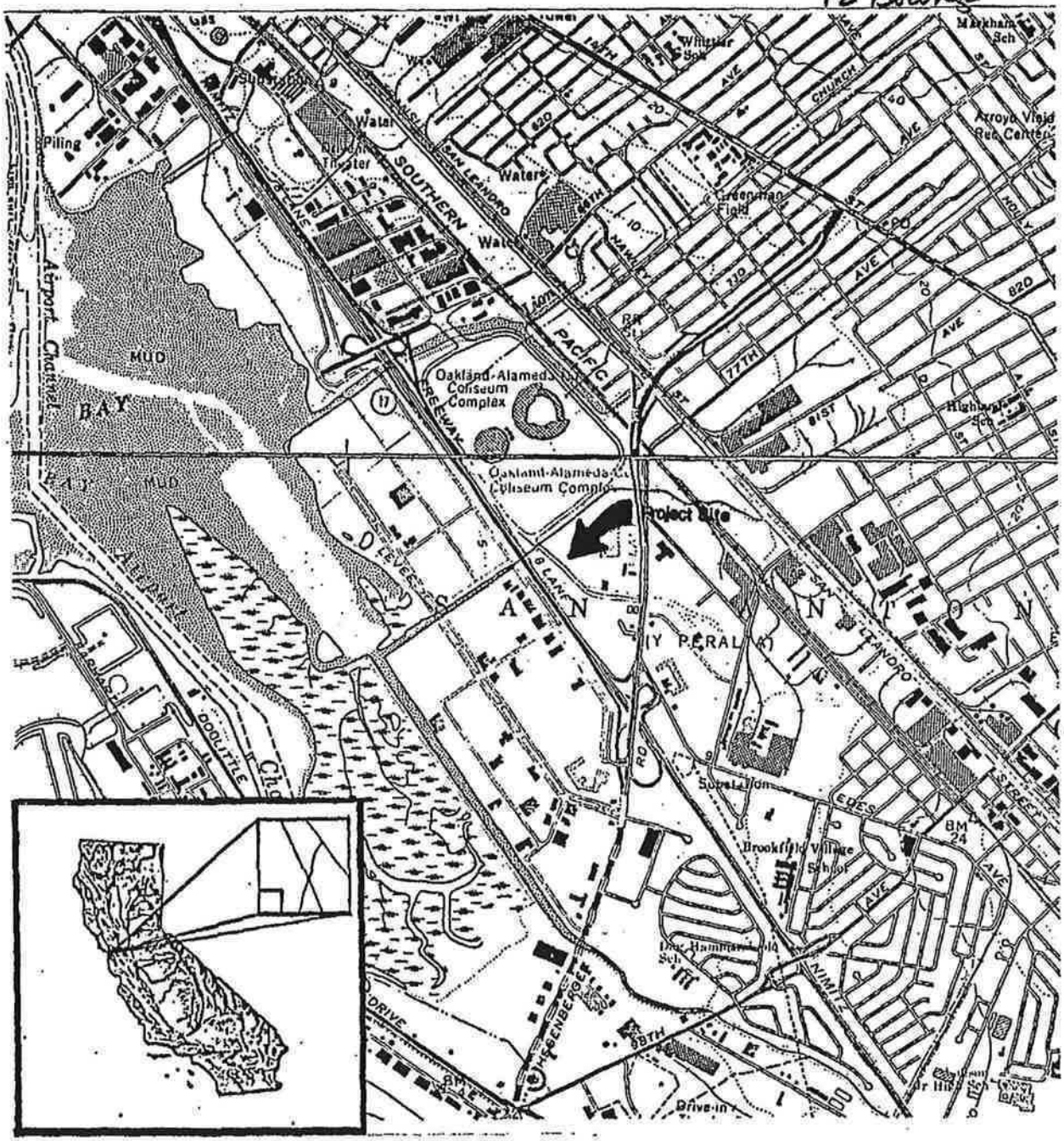


Excel tech 86

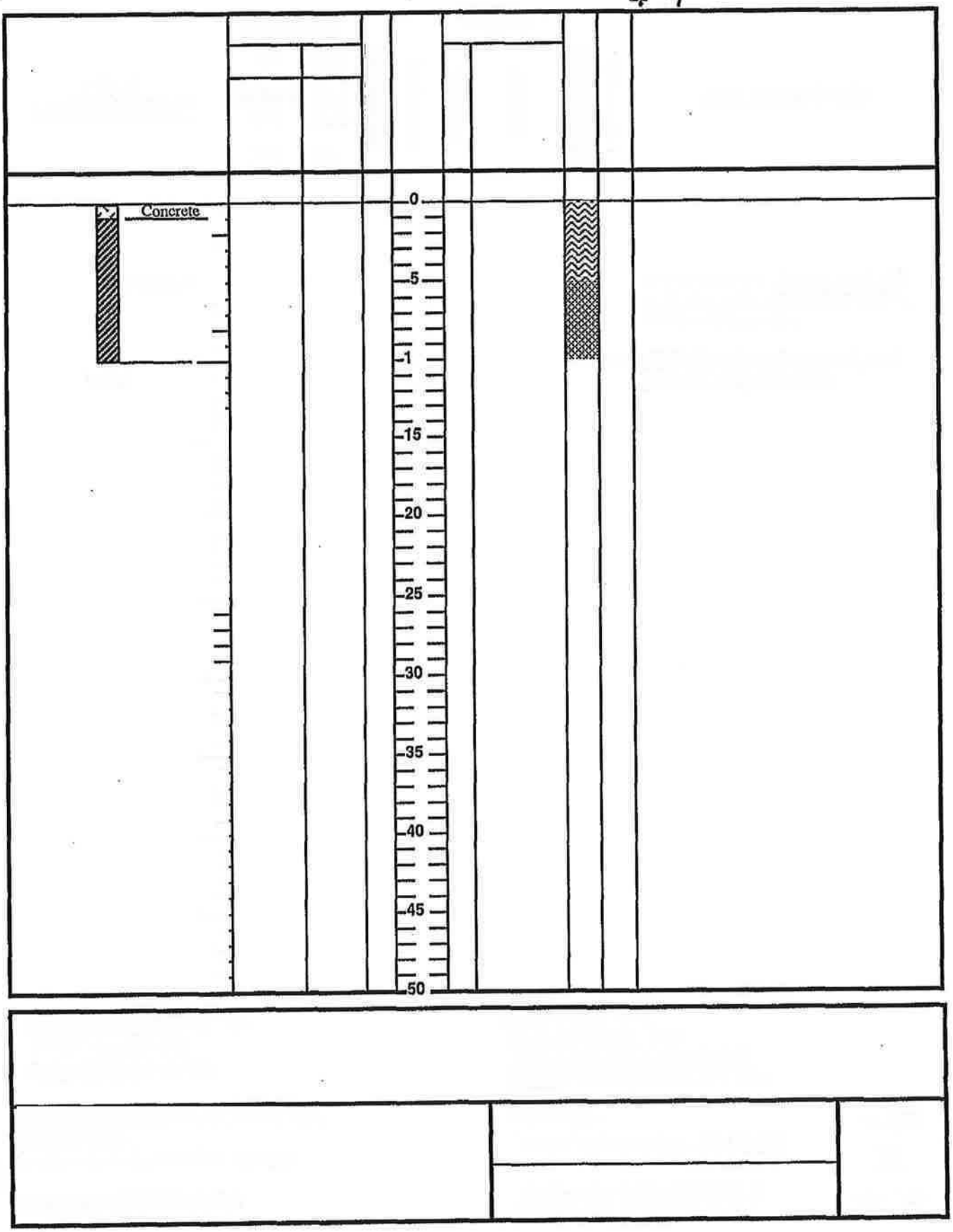

FENCE
EXCAV
B-10
MW-8
MW-3
BUILDING
N

01-457[redacted] H 2S 3W 21C5-10

12 Borings



OAKLAND,


Concrete
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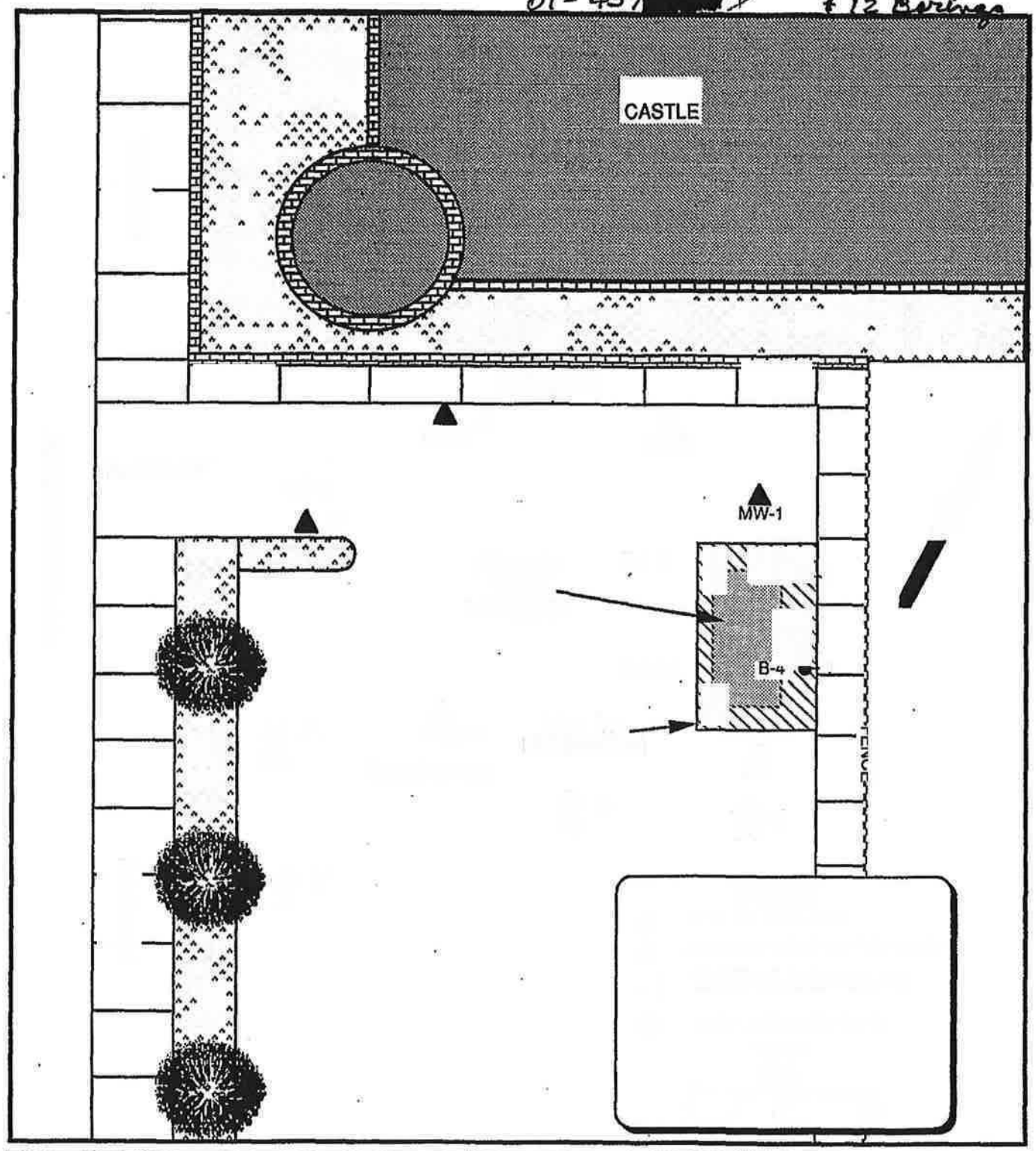
01-457[redacted]I 2s/3 + 12 Borings

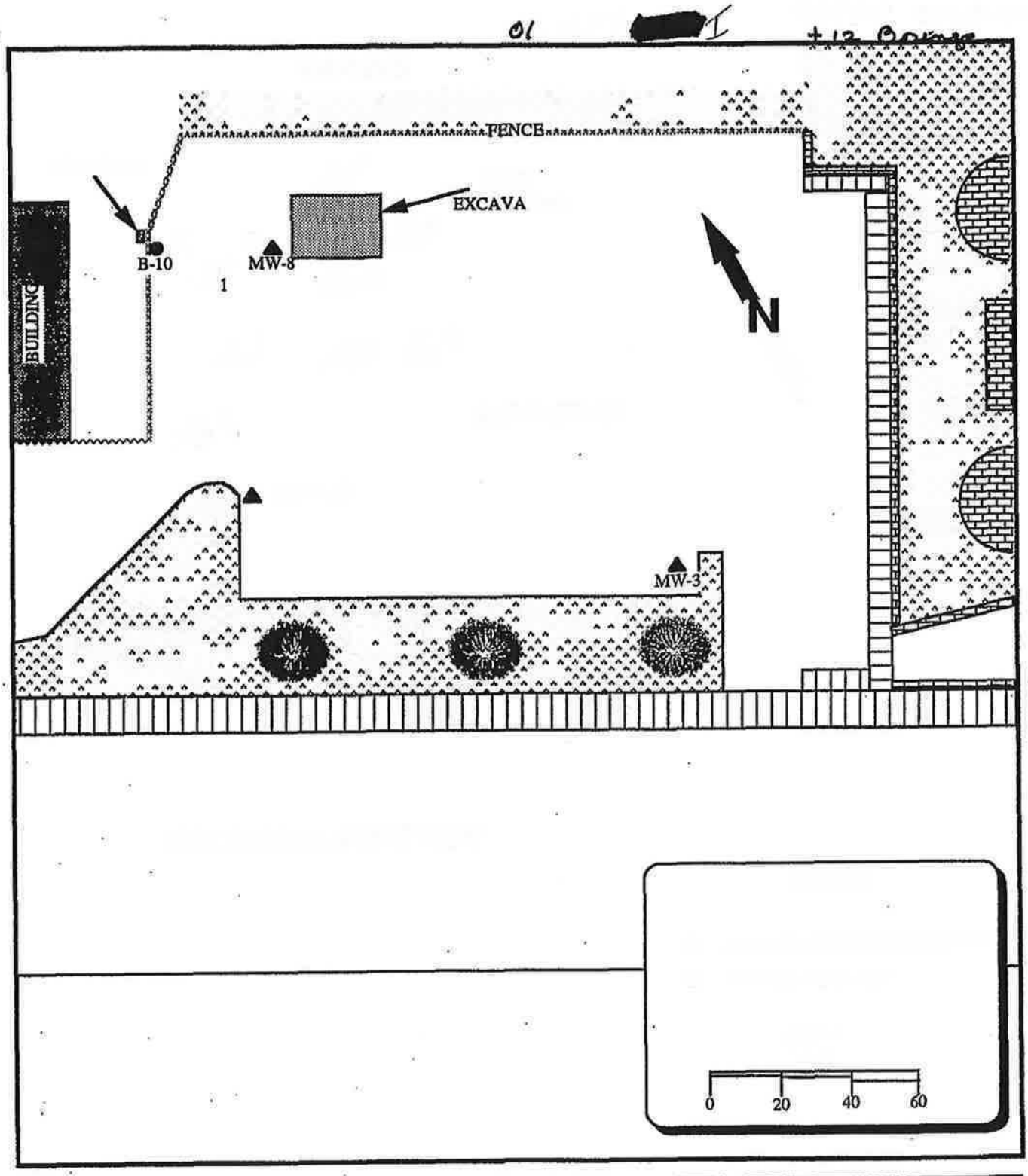


groundwater

environmental/geotechnical

6-19-90

24 caltech 1486



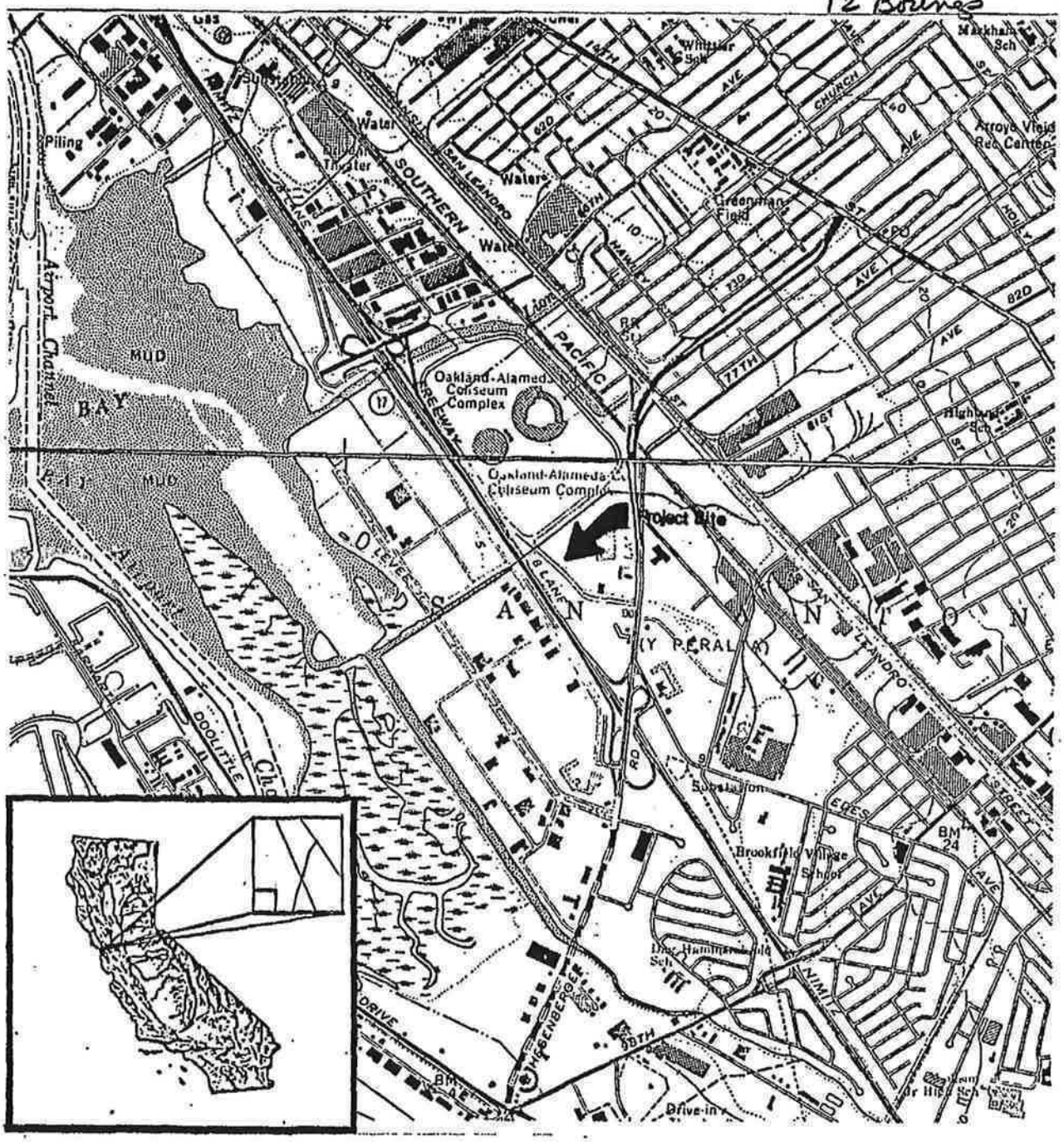
groundwater

environmental/geotechnical

01 457[redacted] I

S/3W 21C5-10

12 Borings



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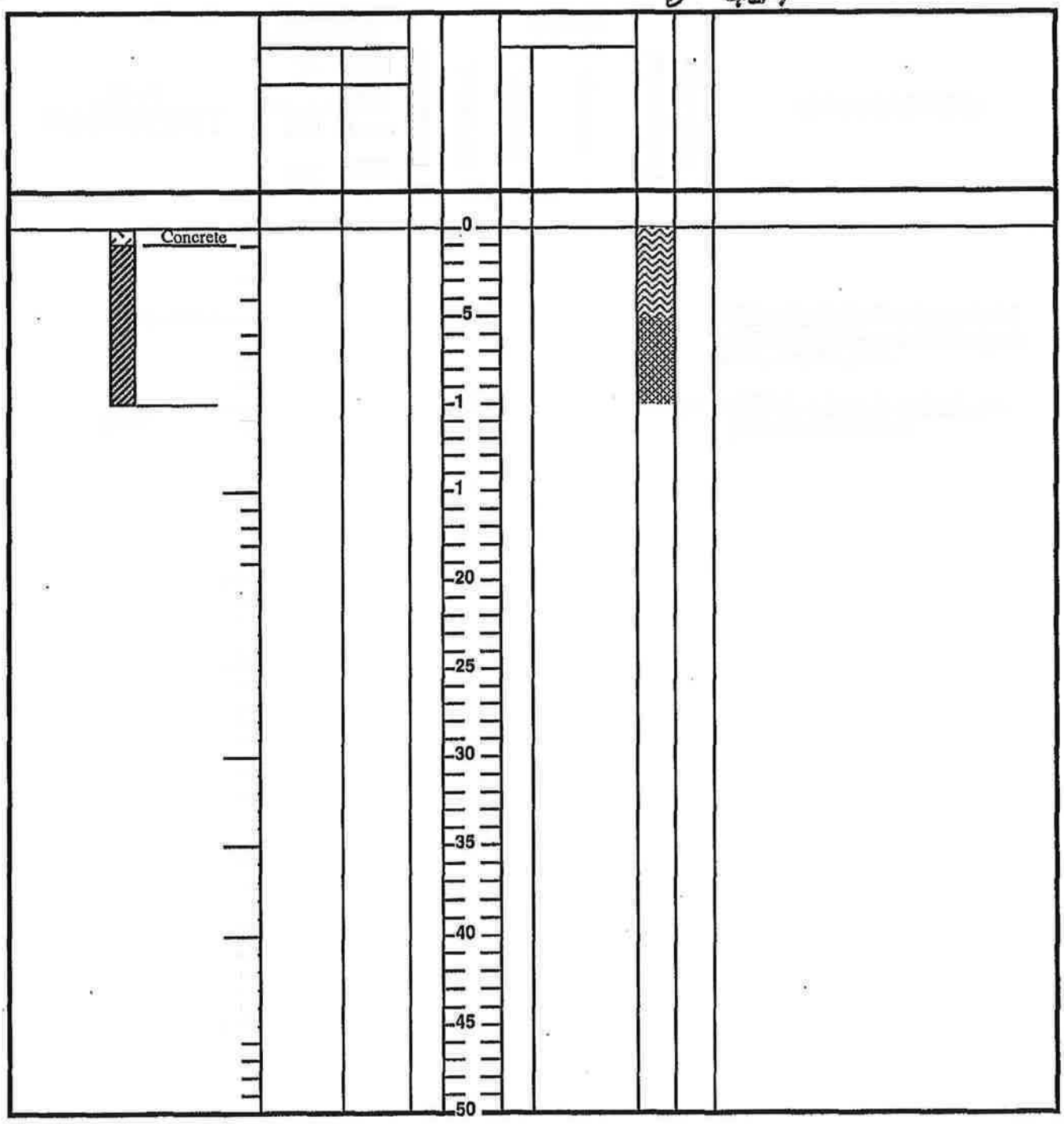

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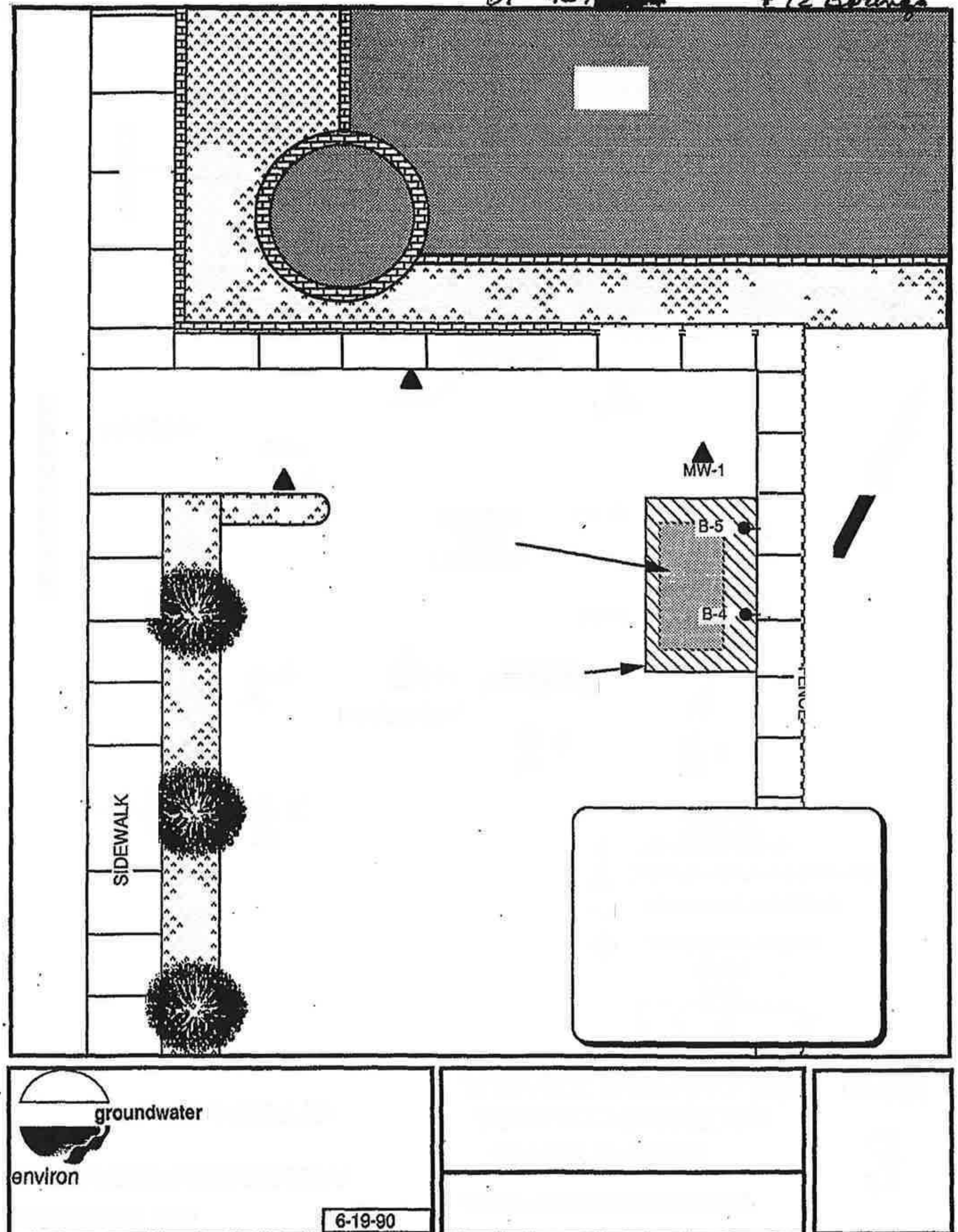
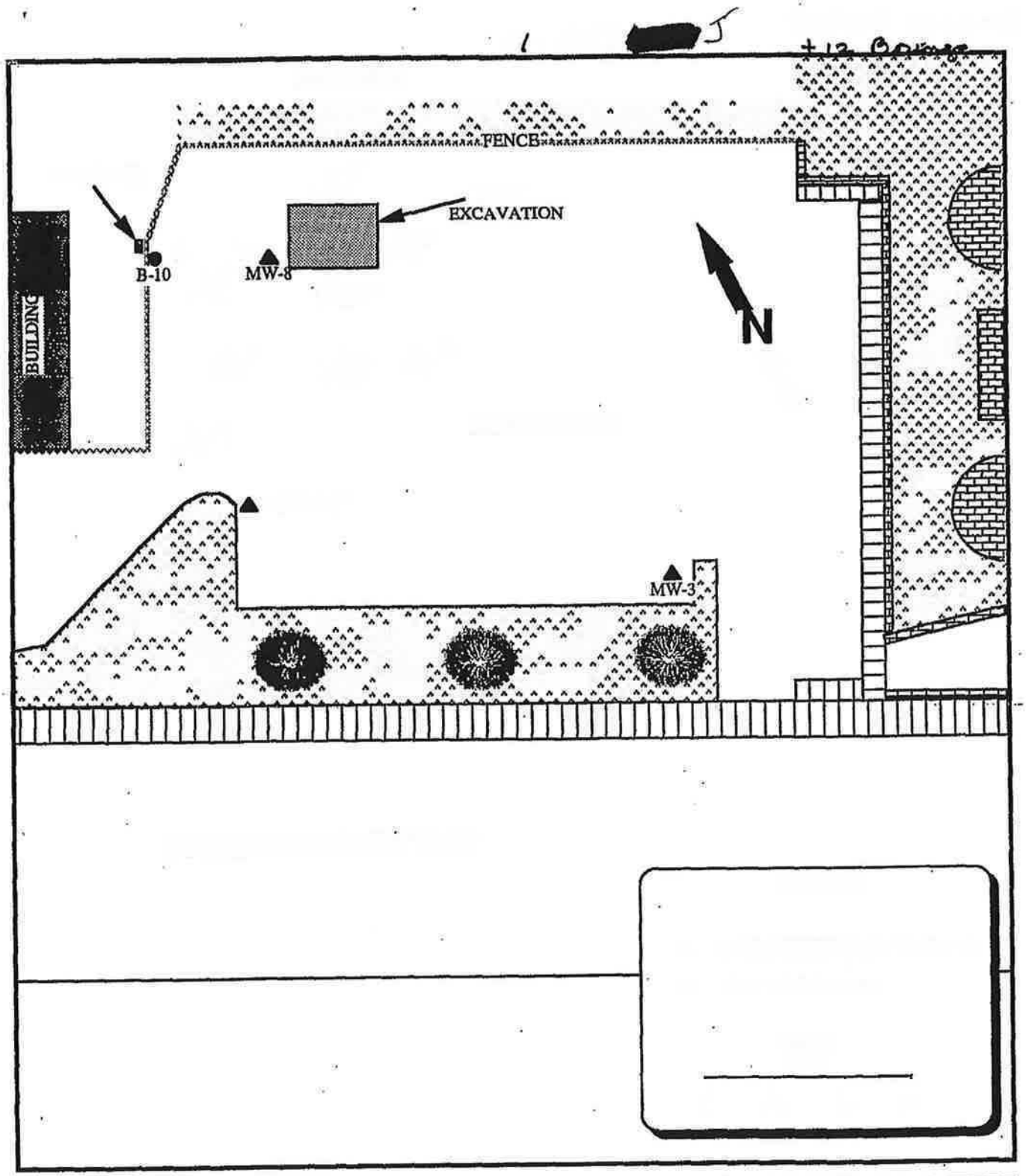


24 Excaltech 86



groundwater

environmental/geotechnical

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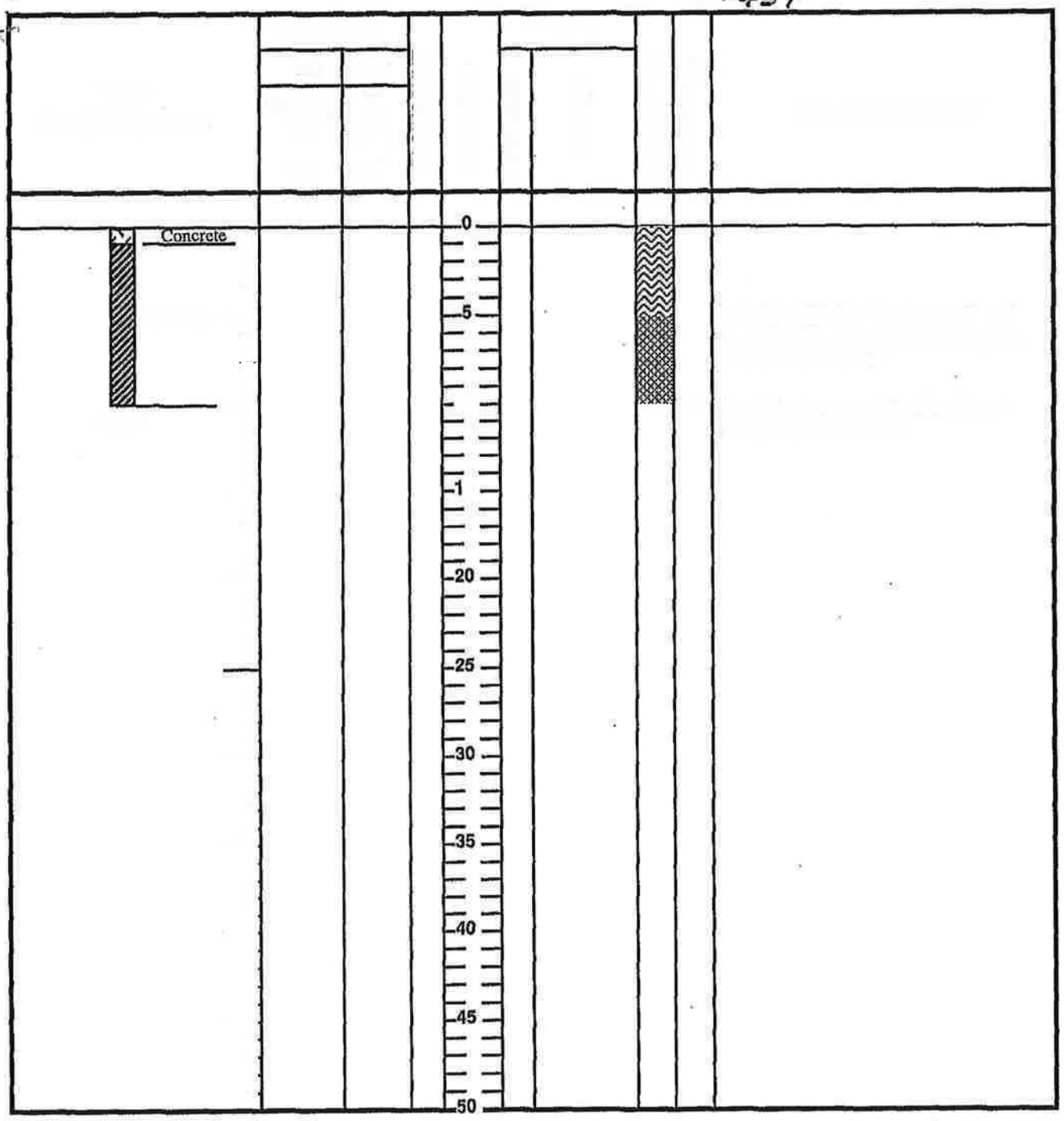

GROUNDWATER RESOURCES, INC.

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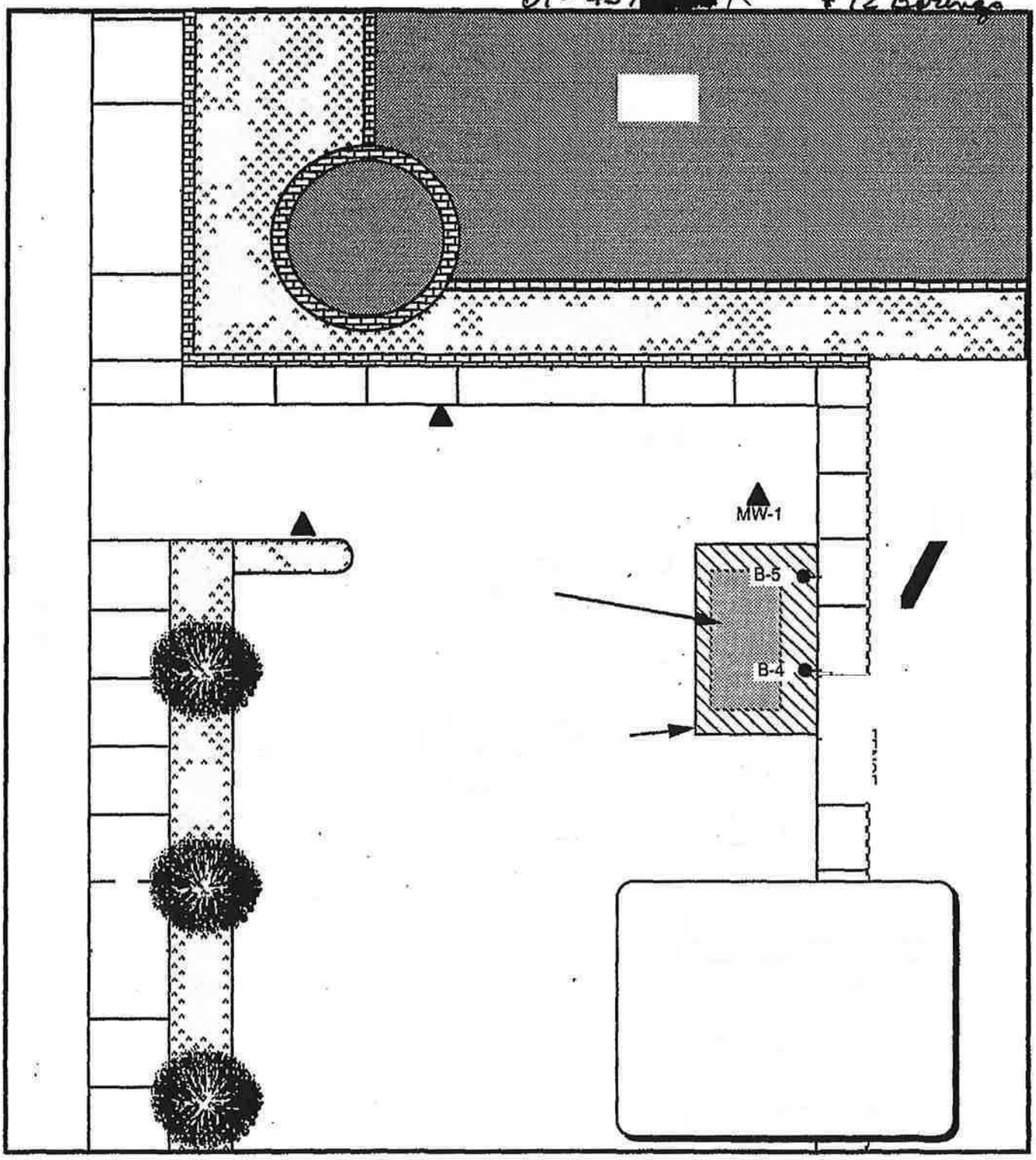

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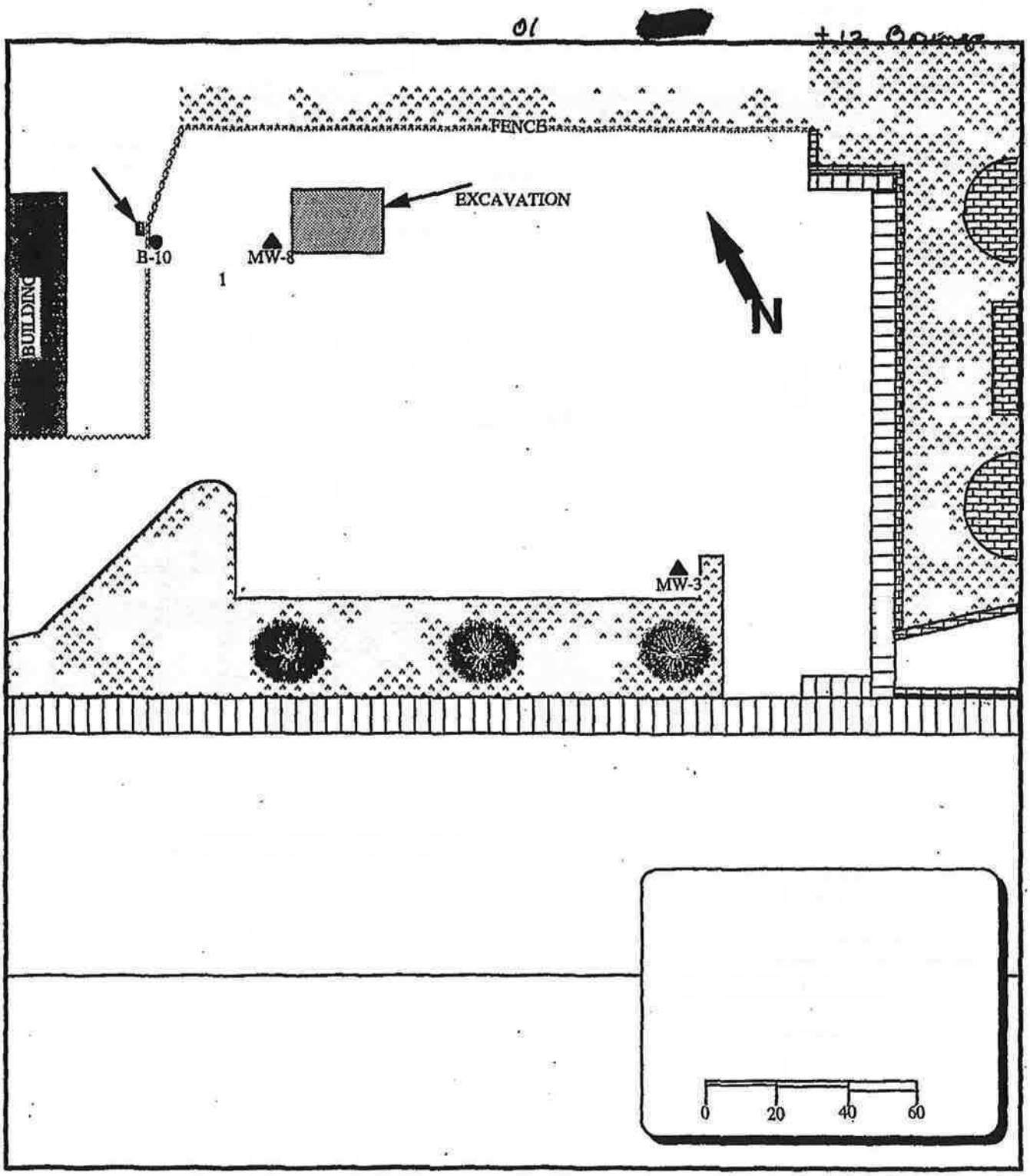
24 Excelteeh - 486



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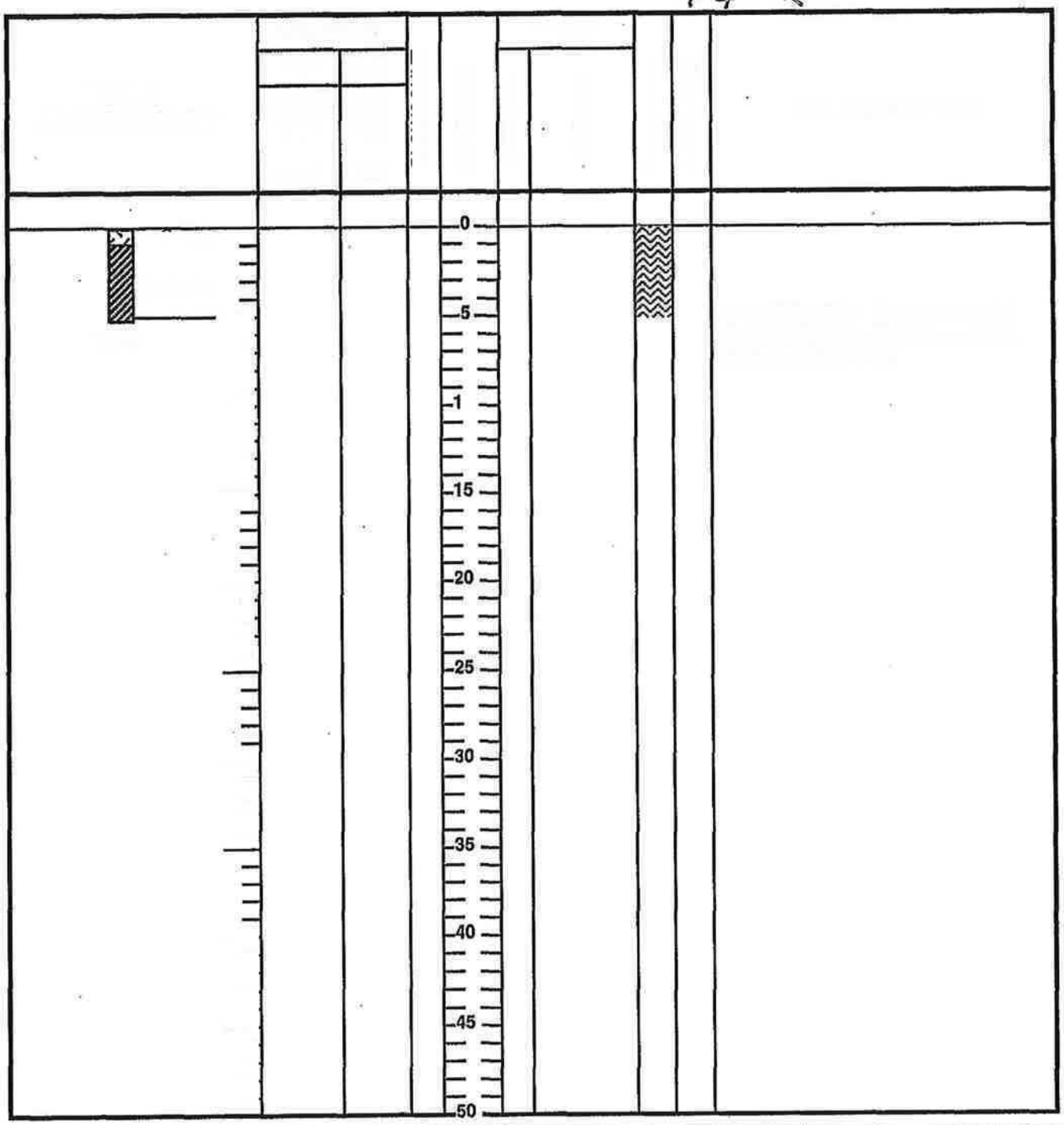
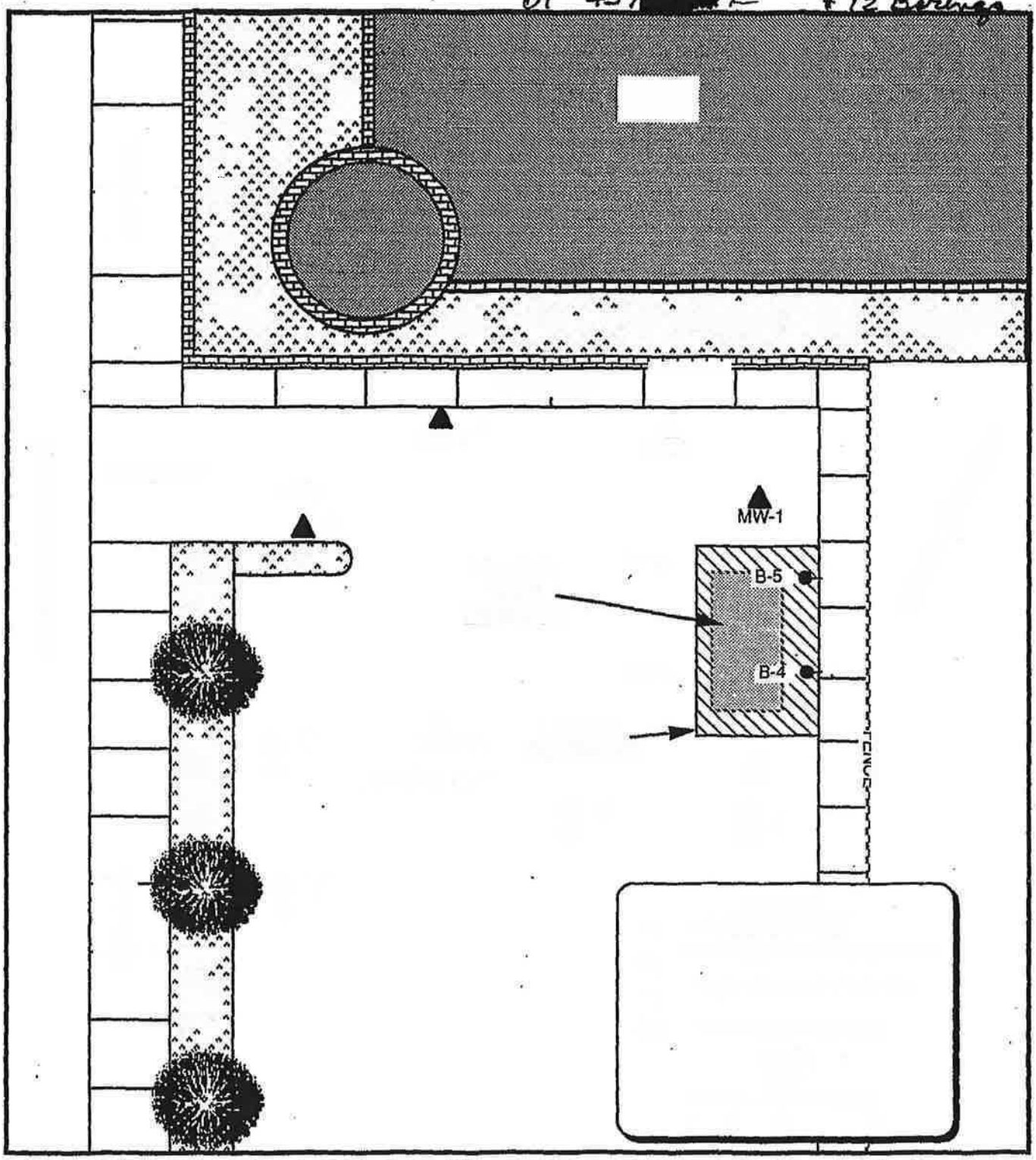


01 457 [redacted] L + 12 Borings



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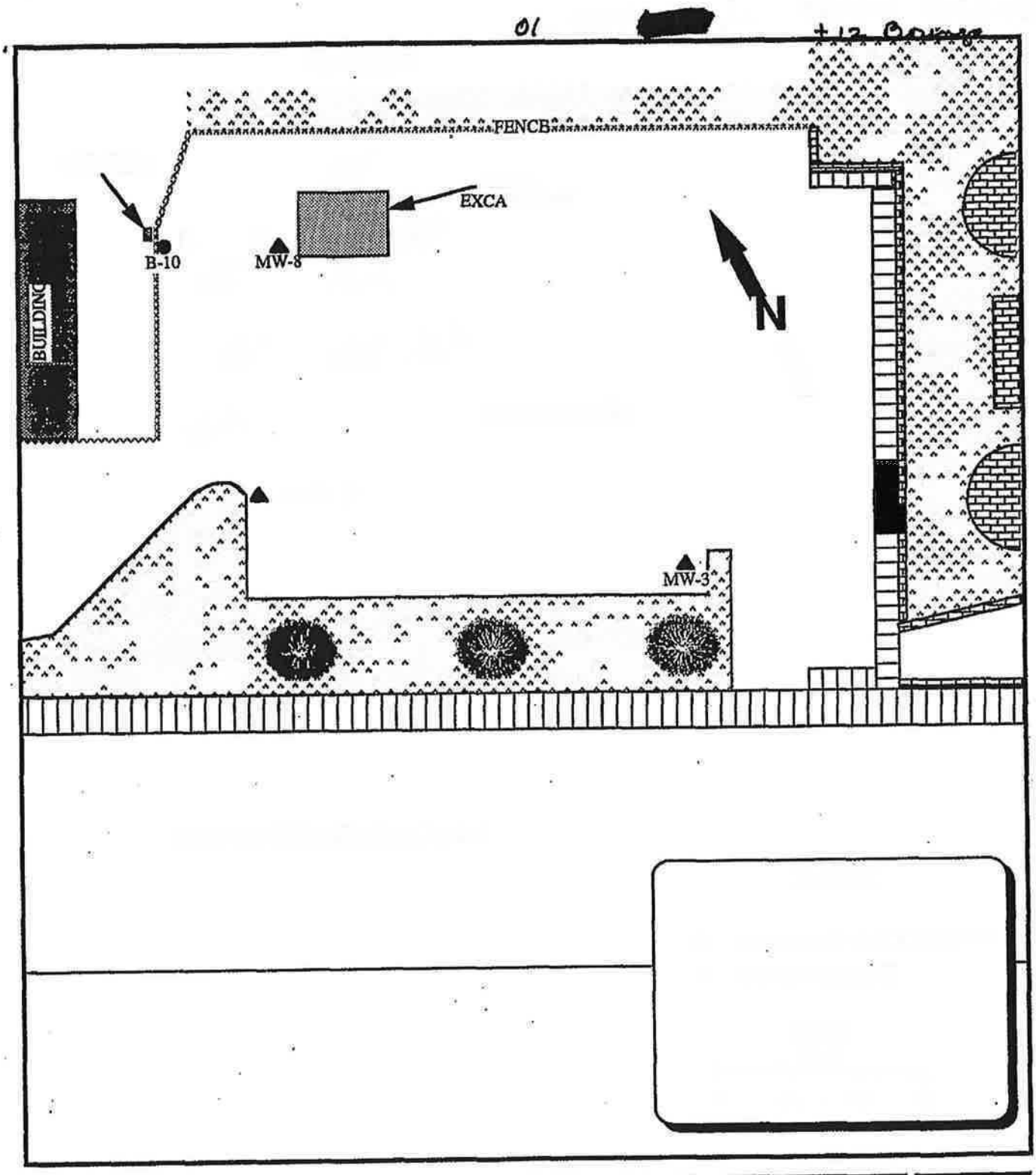
24 Excel Tech - 486



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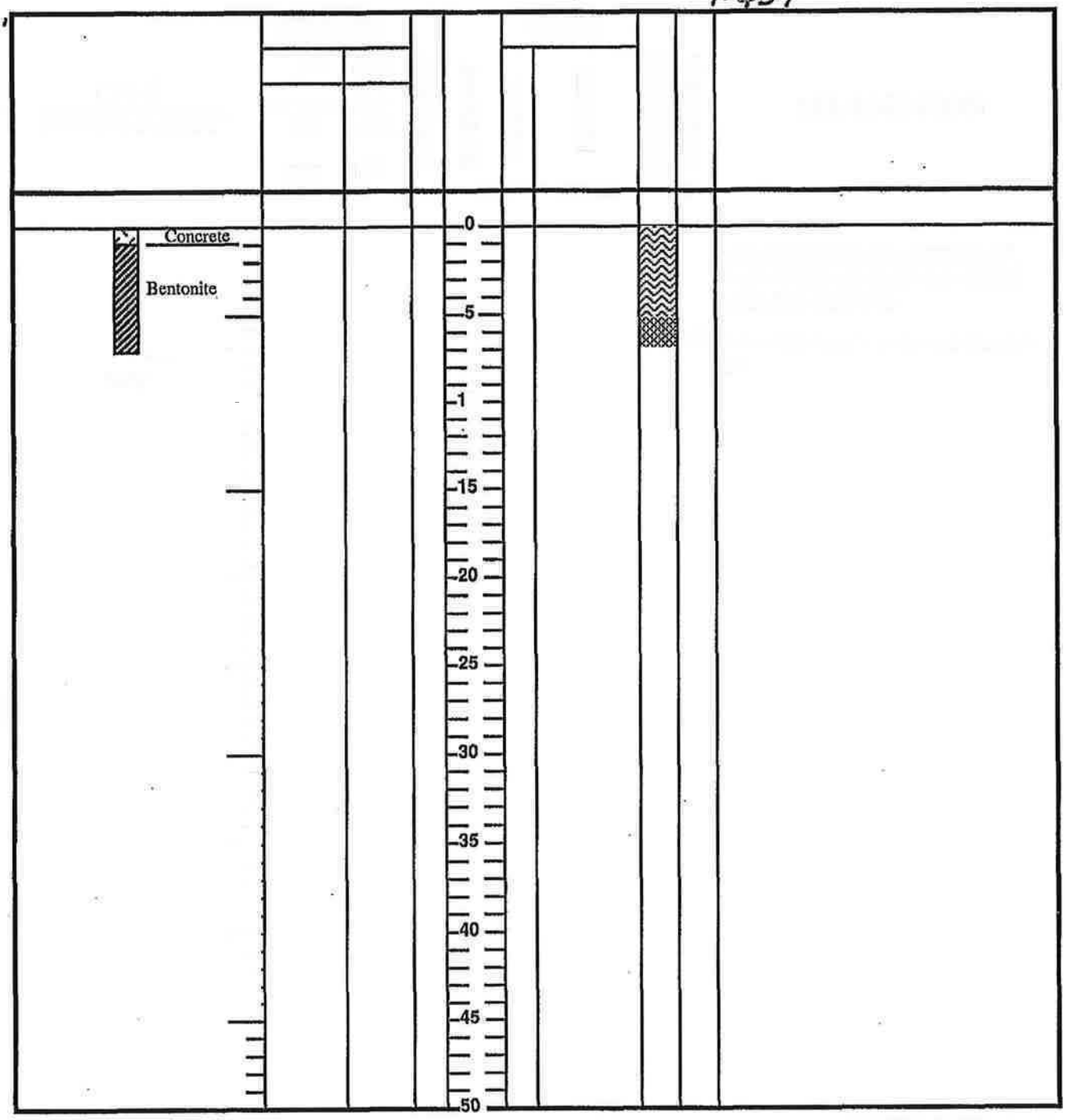

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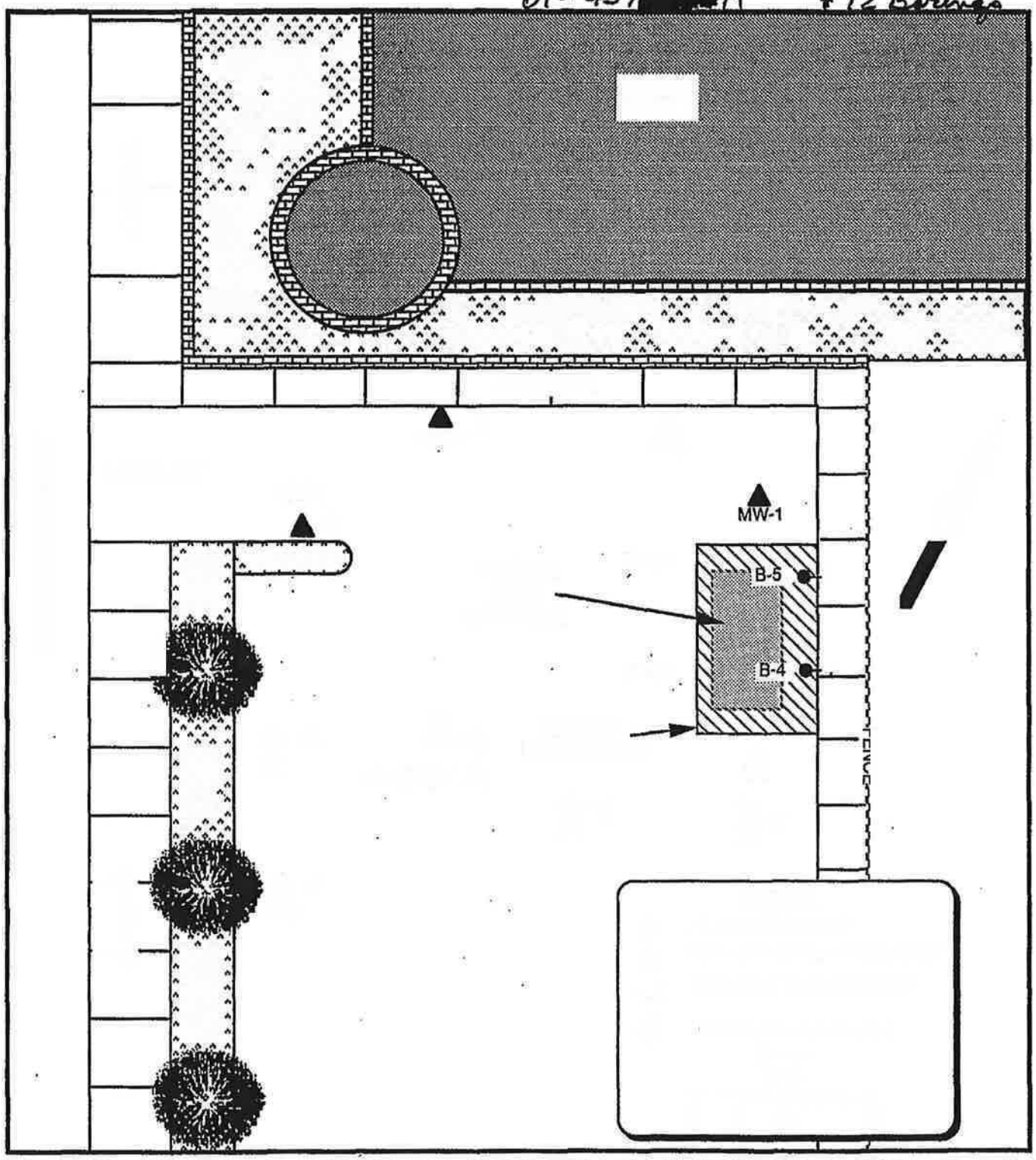
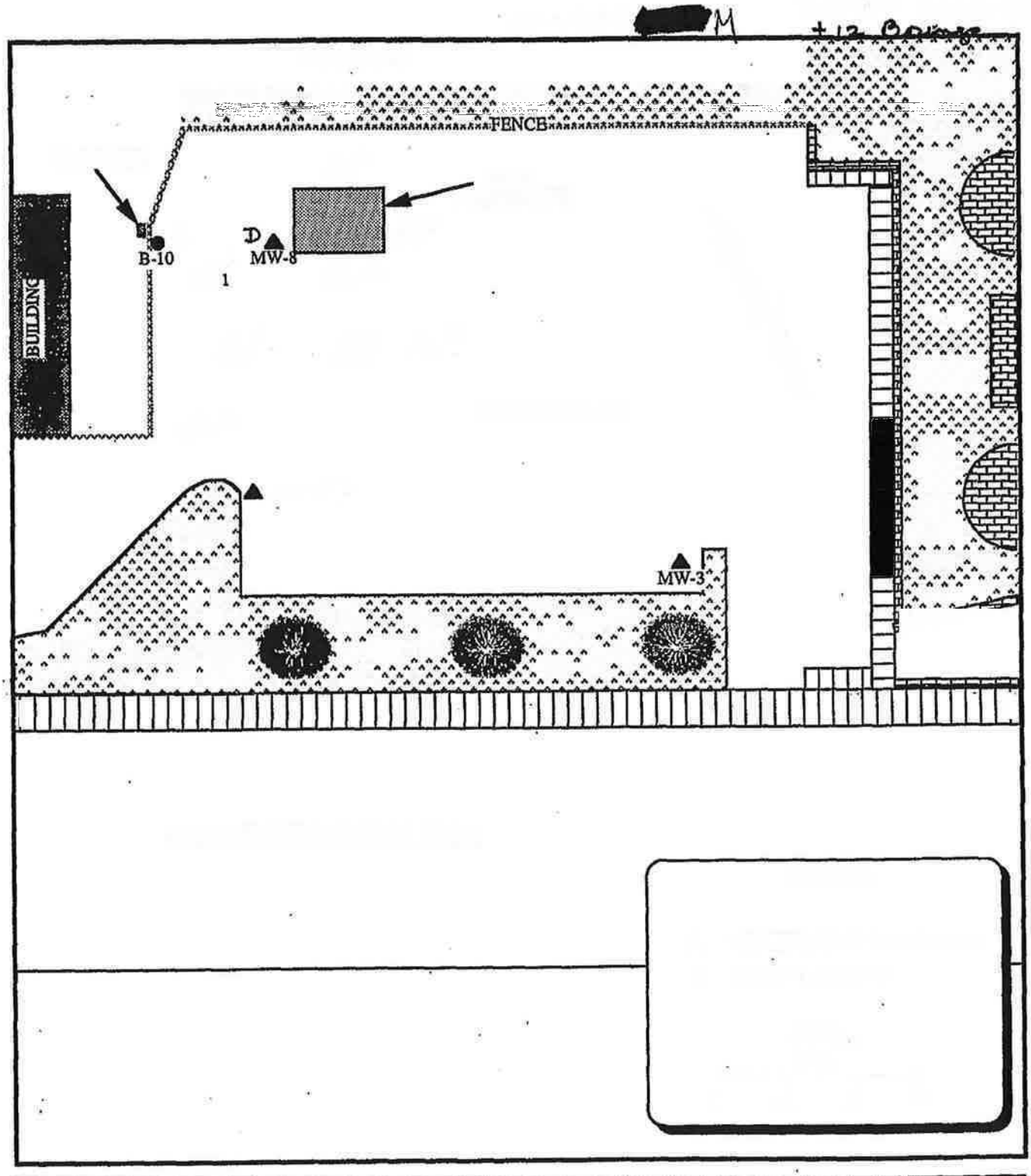


24 Excaltech - 486



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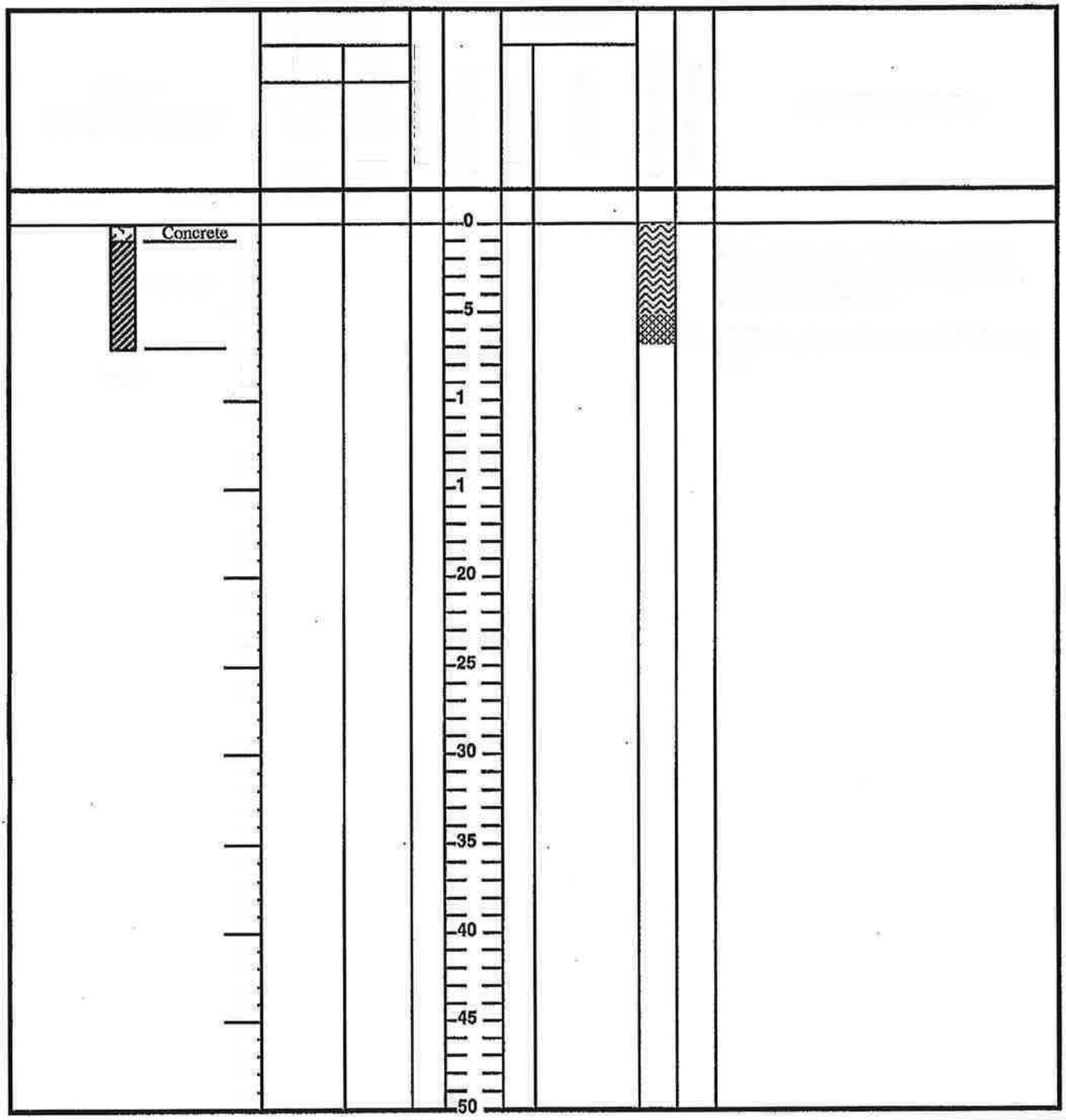
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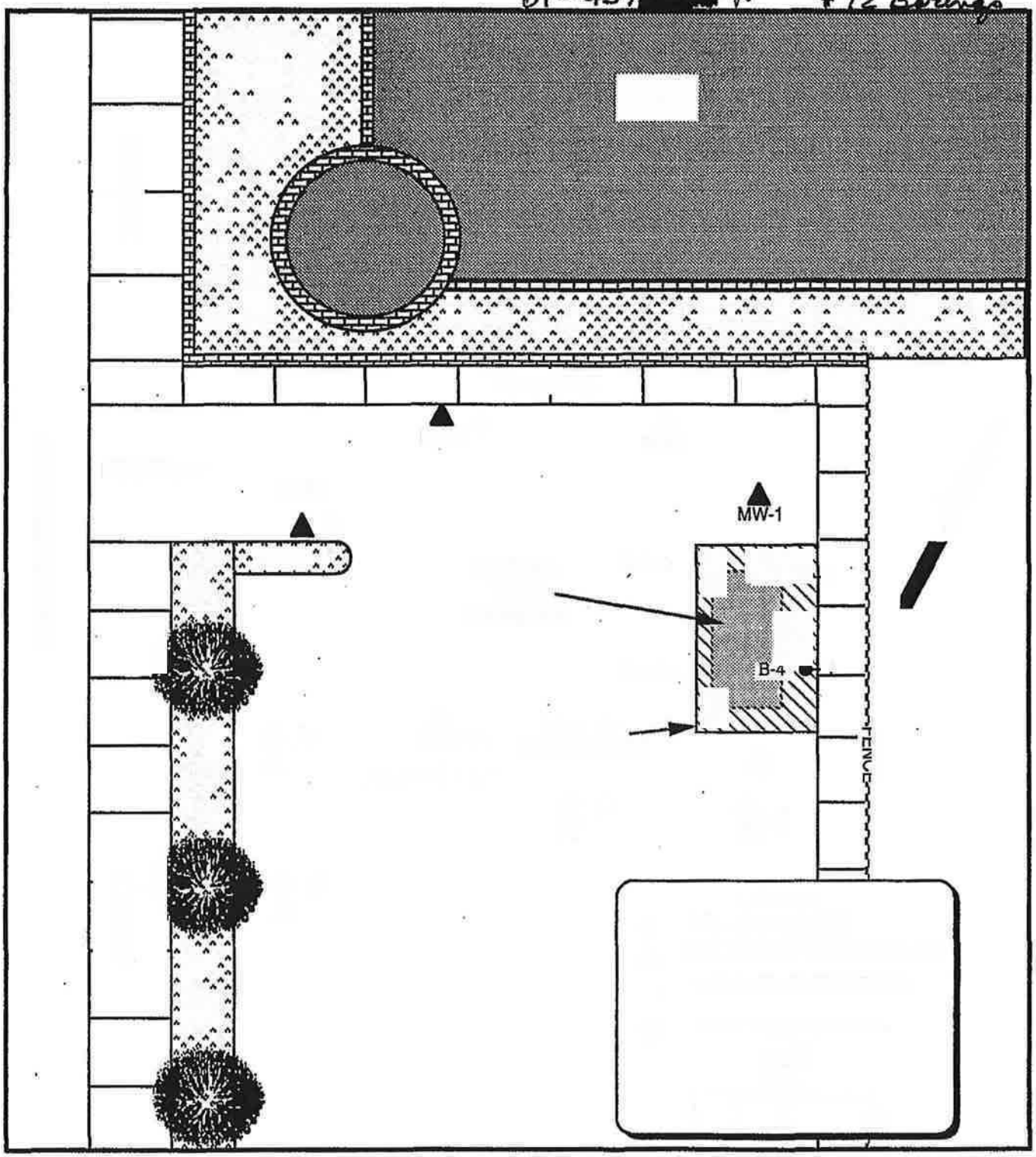

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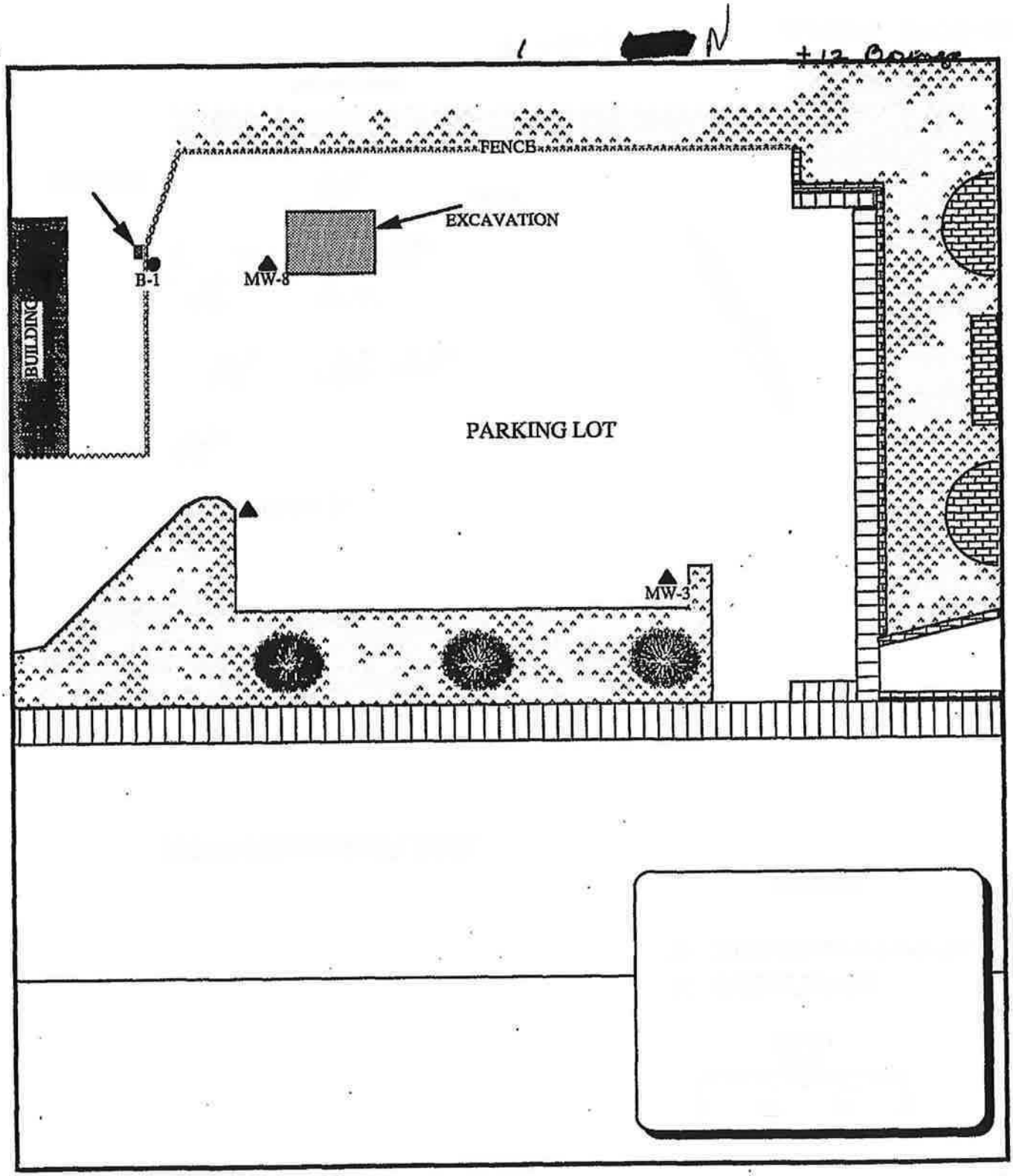

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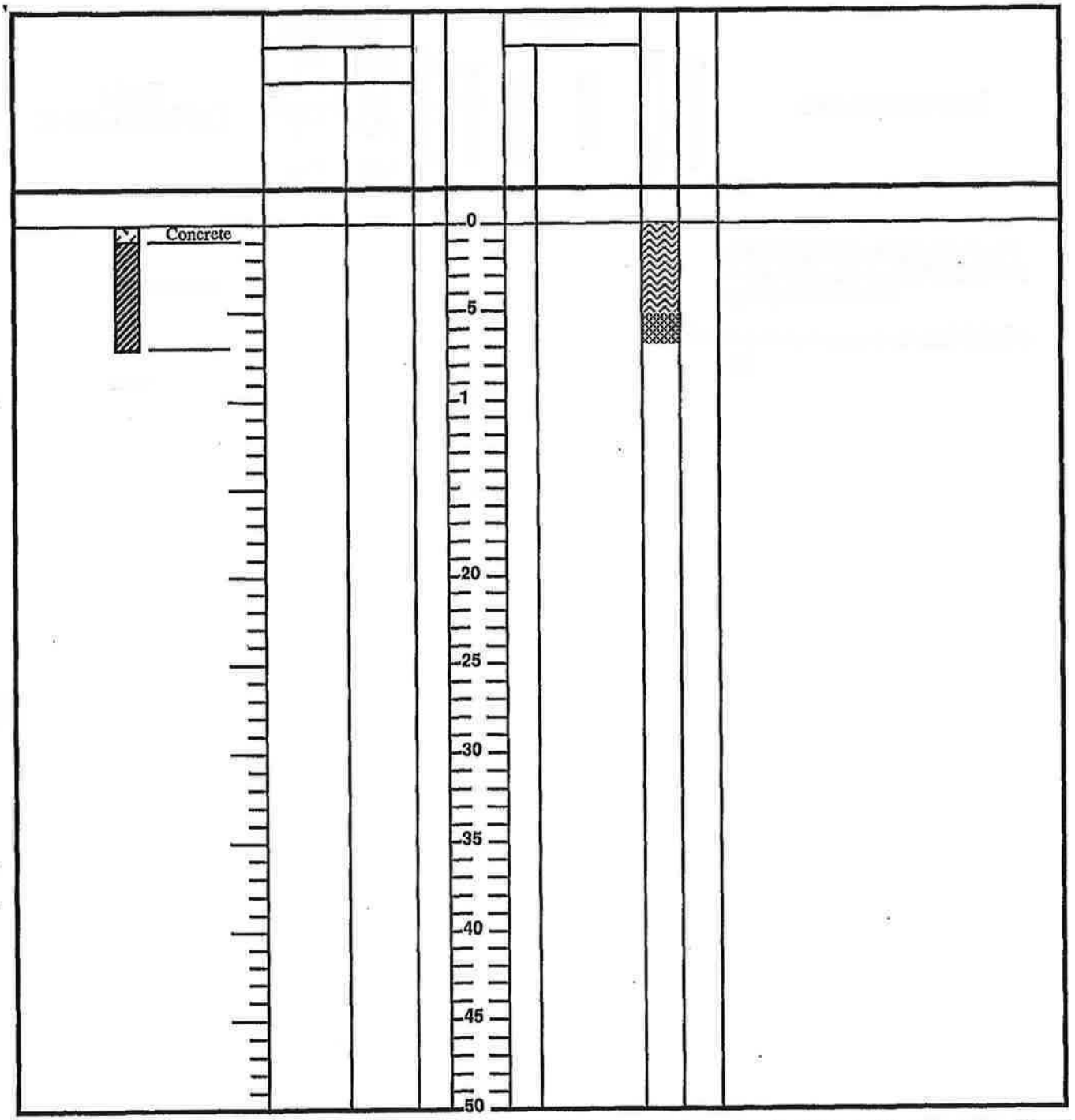
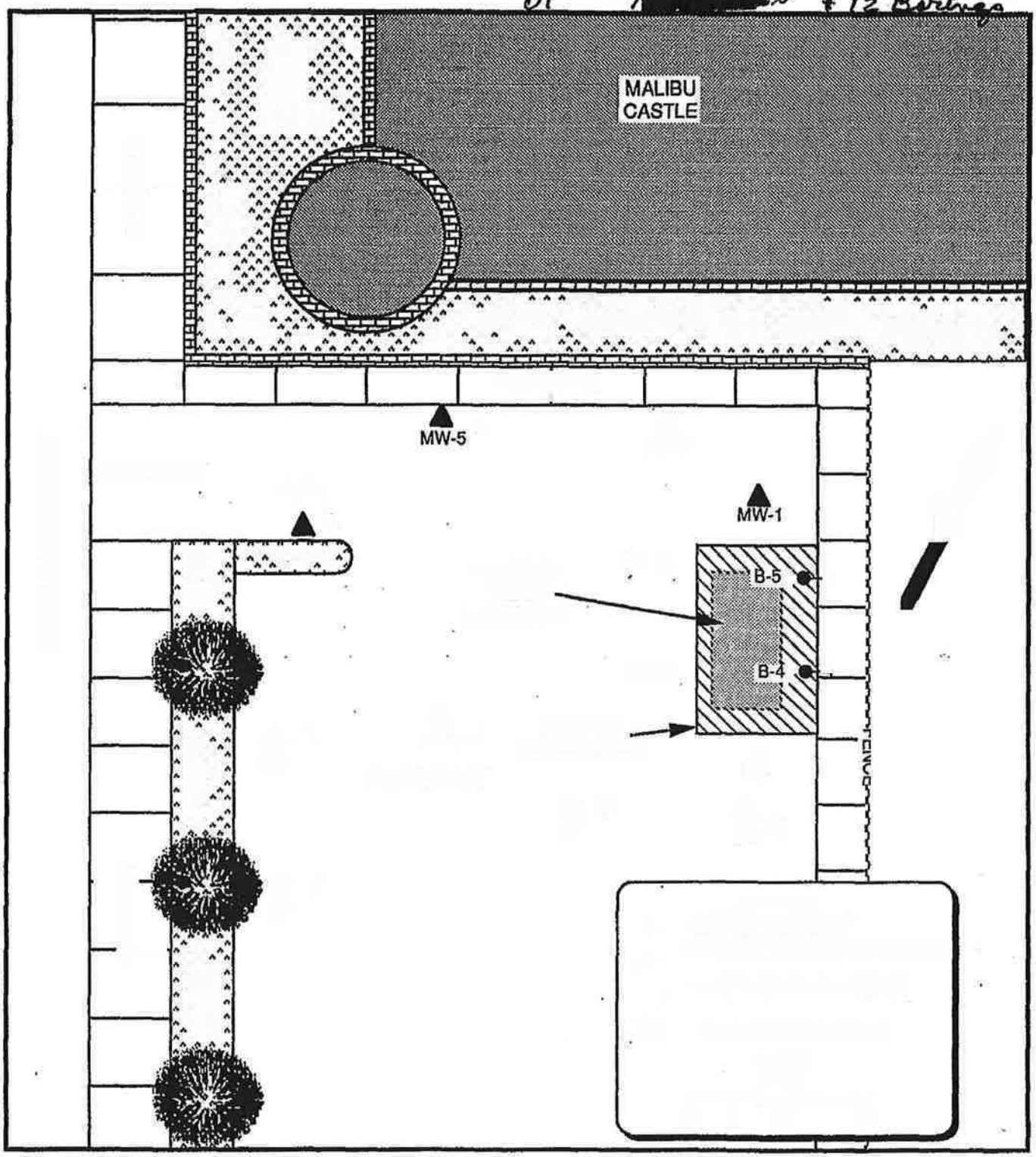


GROUNDWATER

01 7 [redacted] B + 12 Borings



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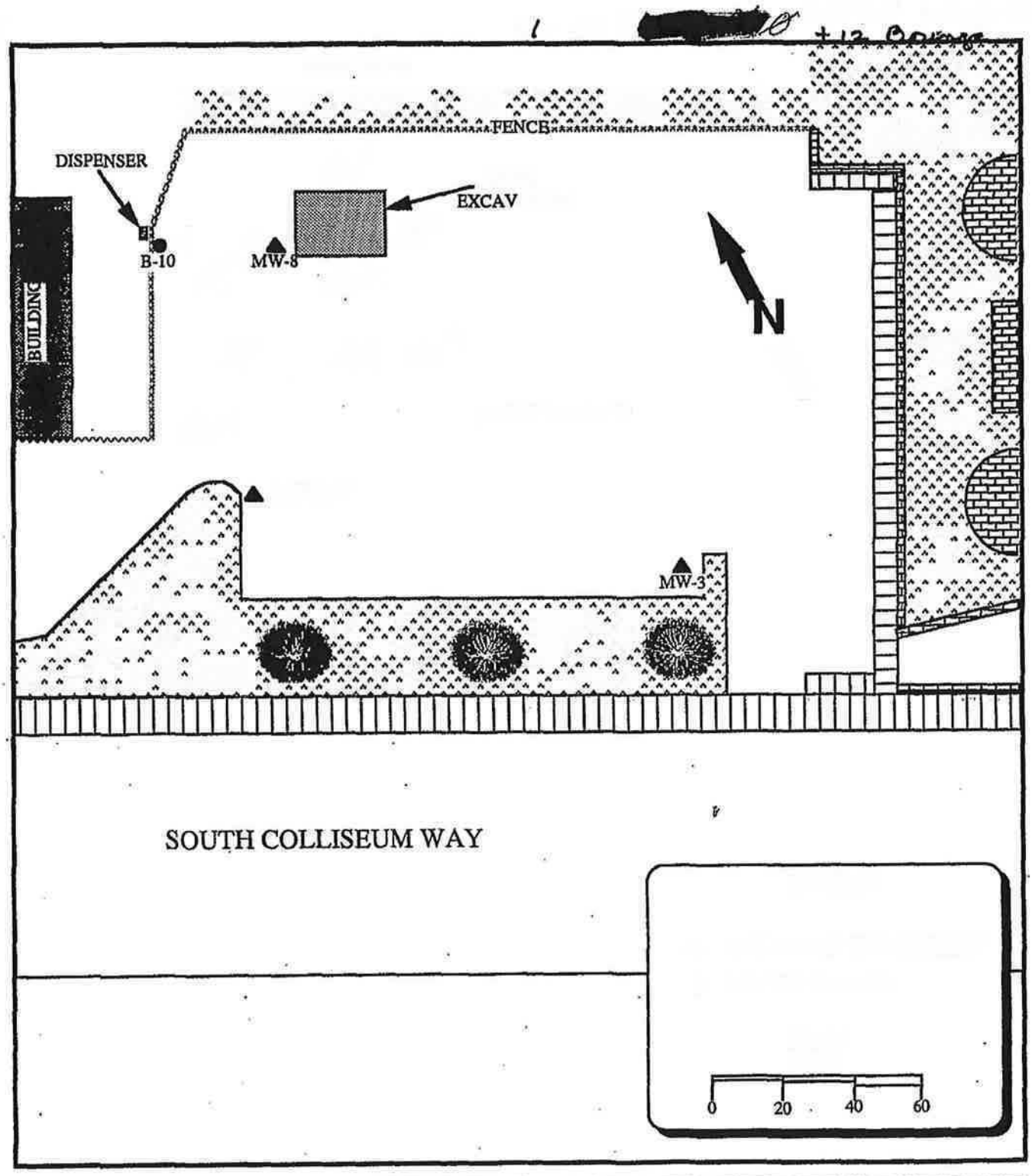
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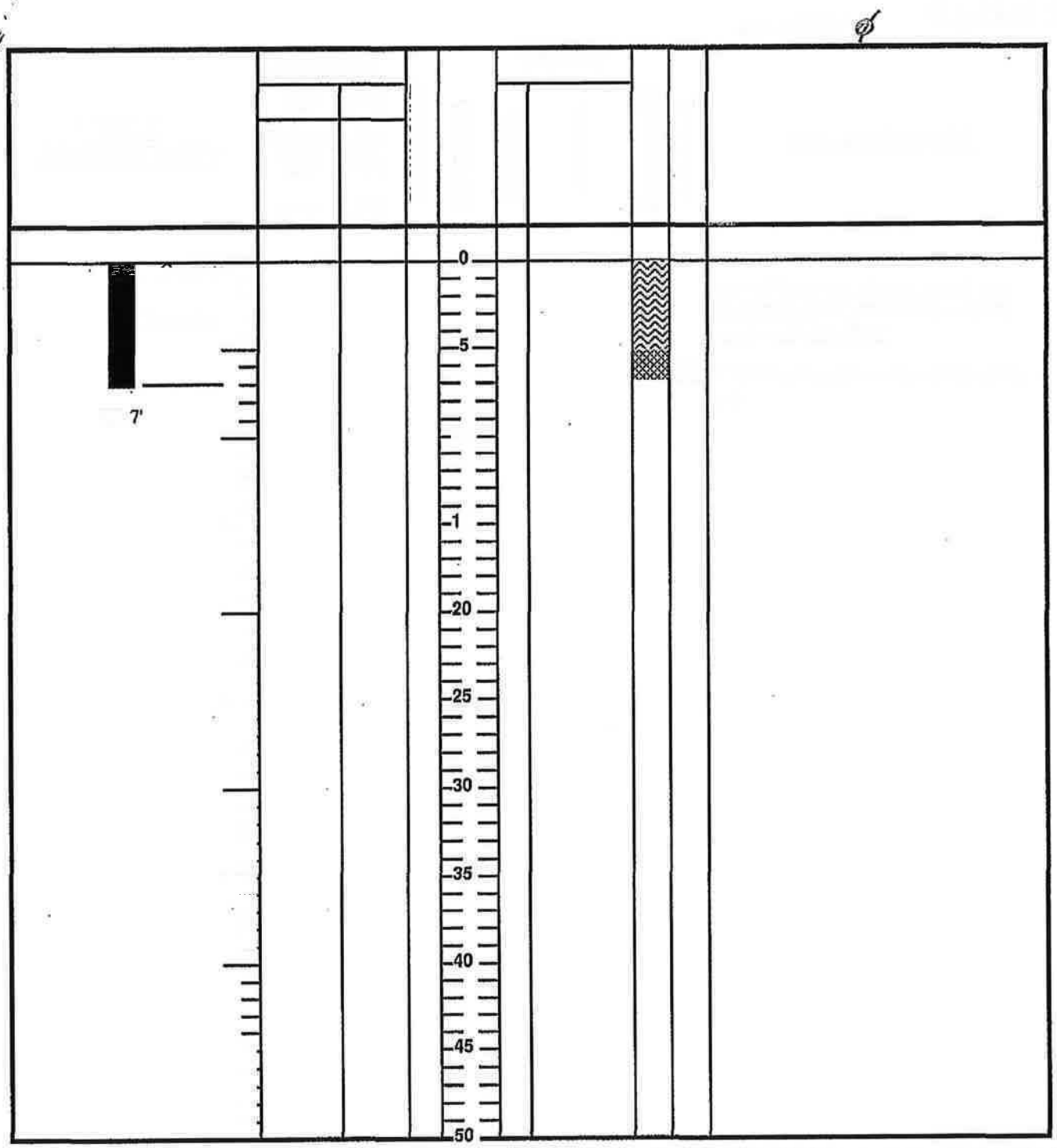

GROUNDW RESOURCES,

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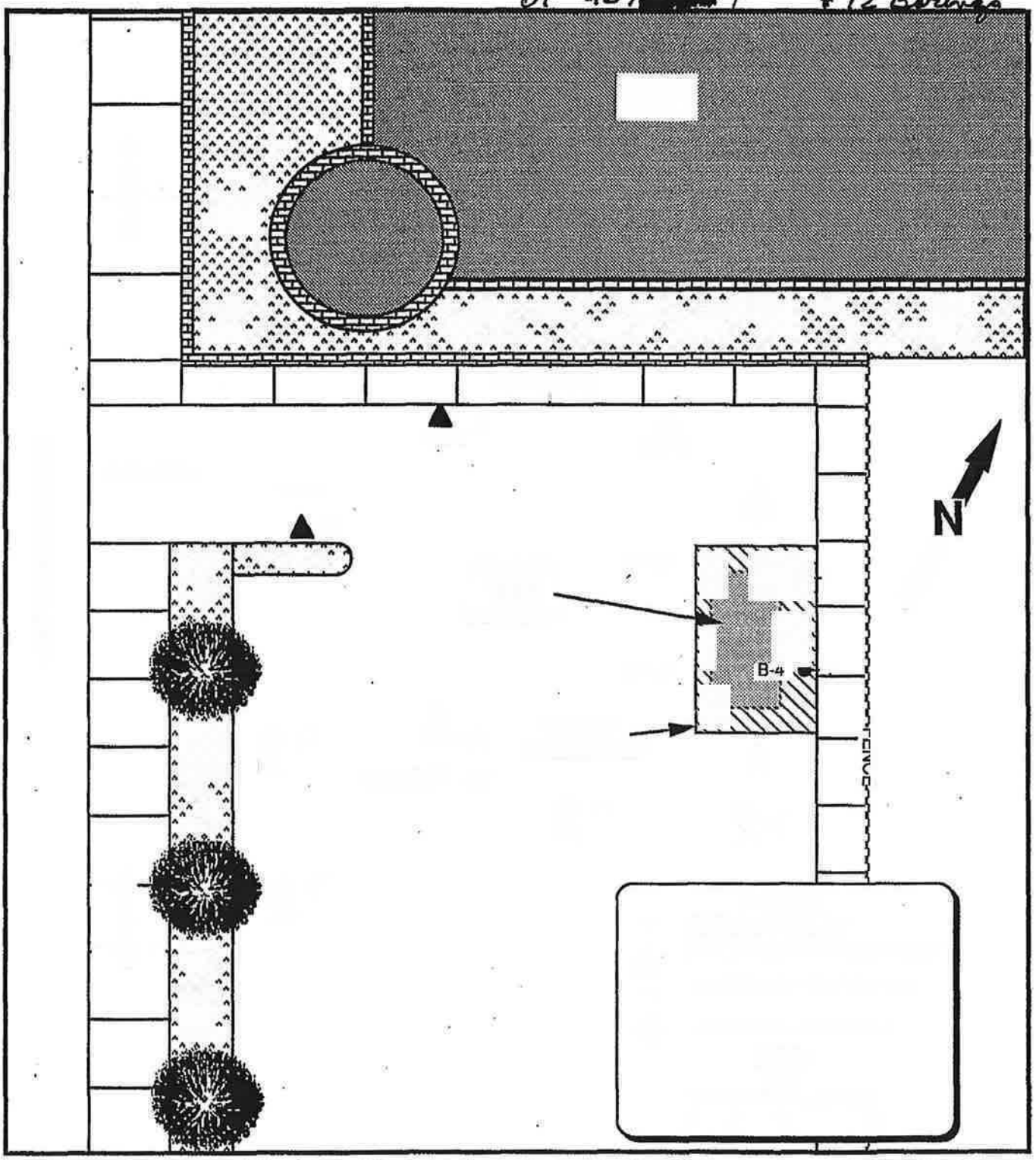

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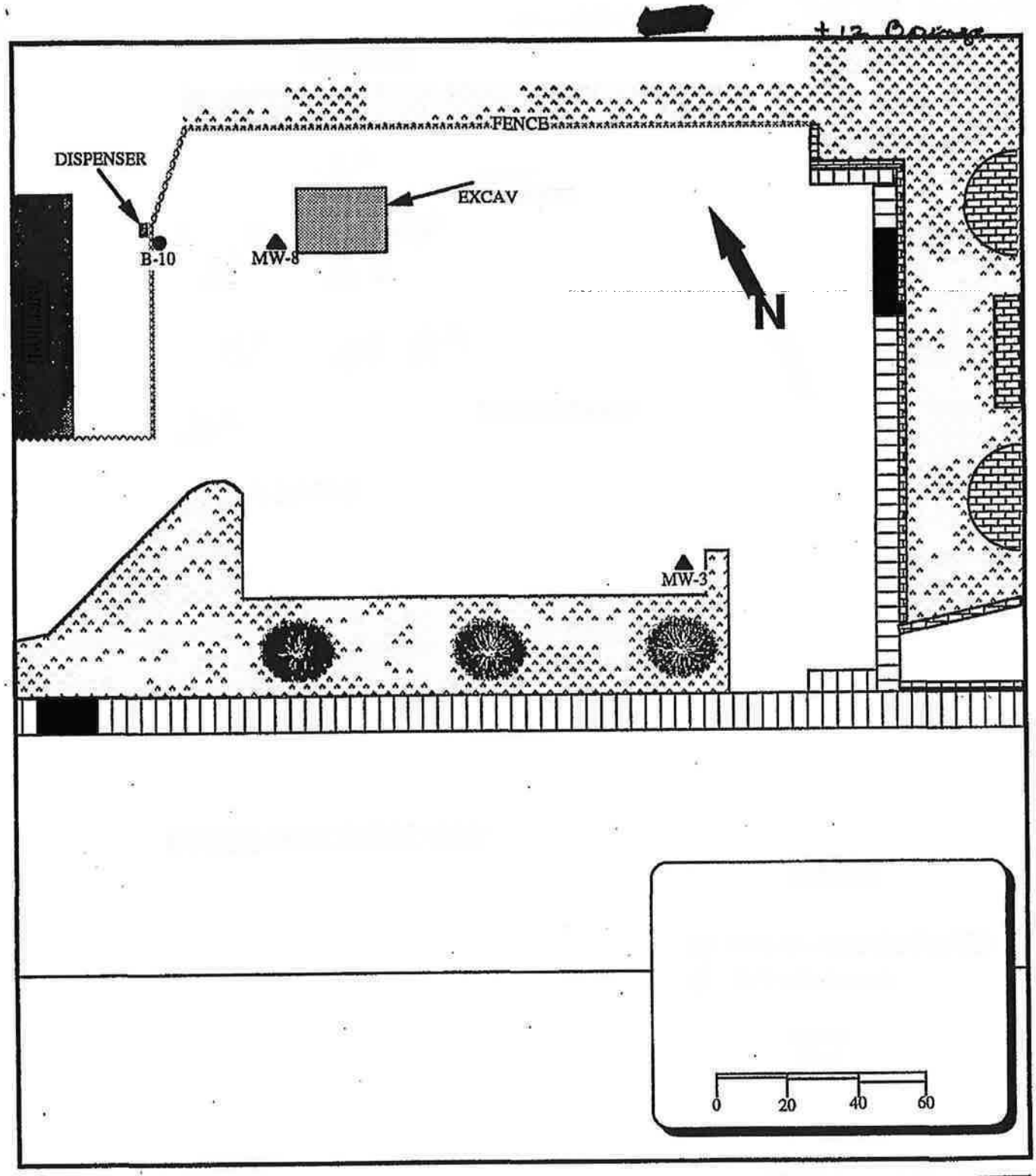
24 Excaltech - 486



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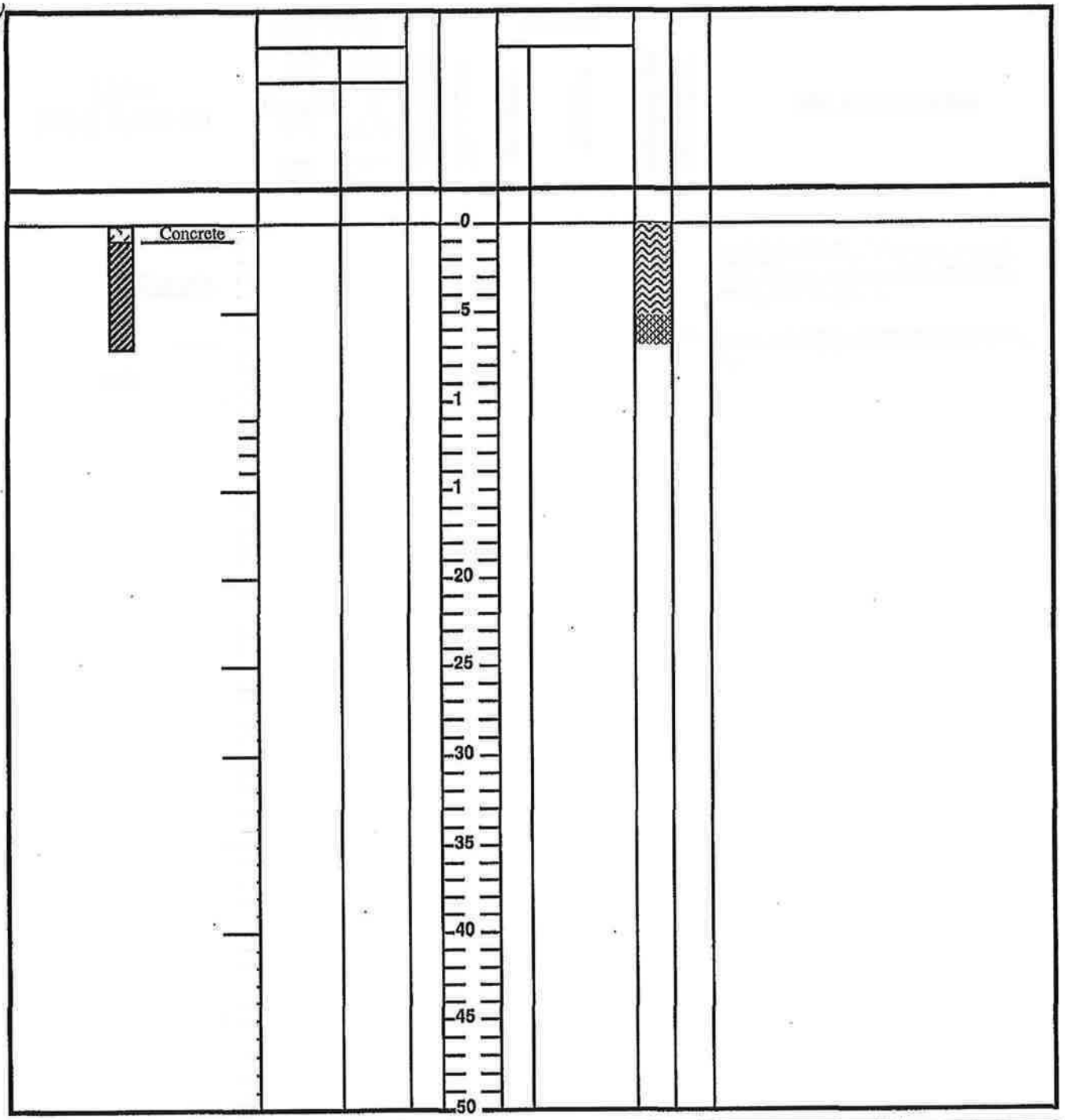
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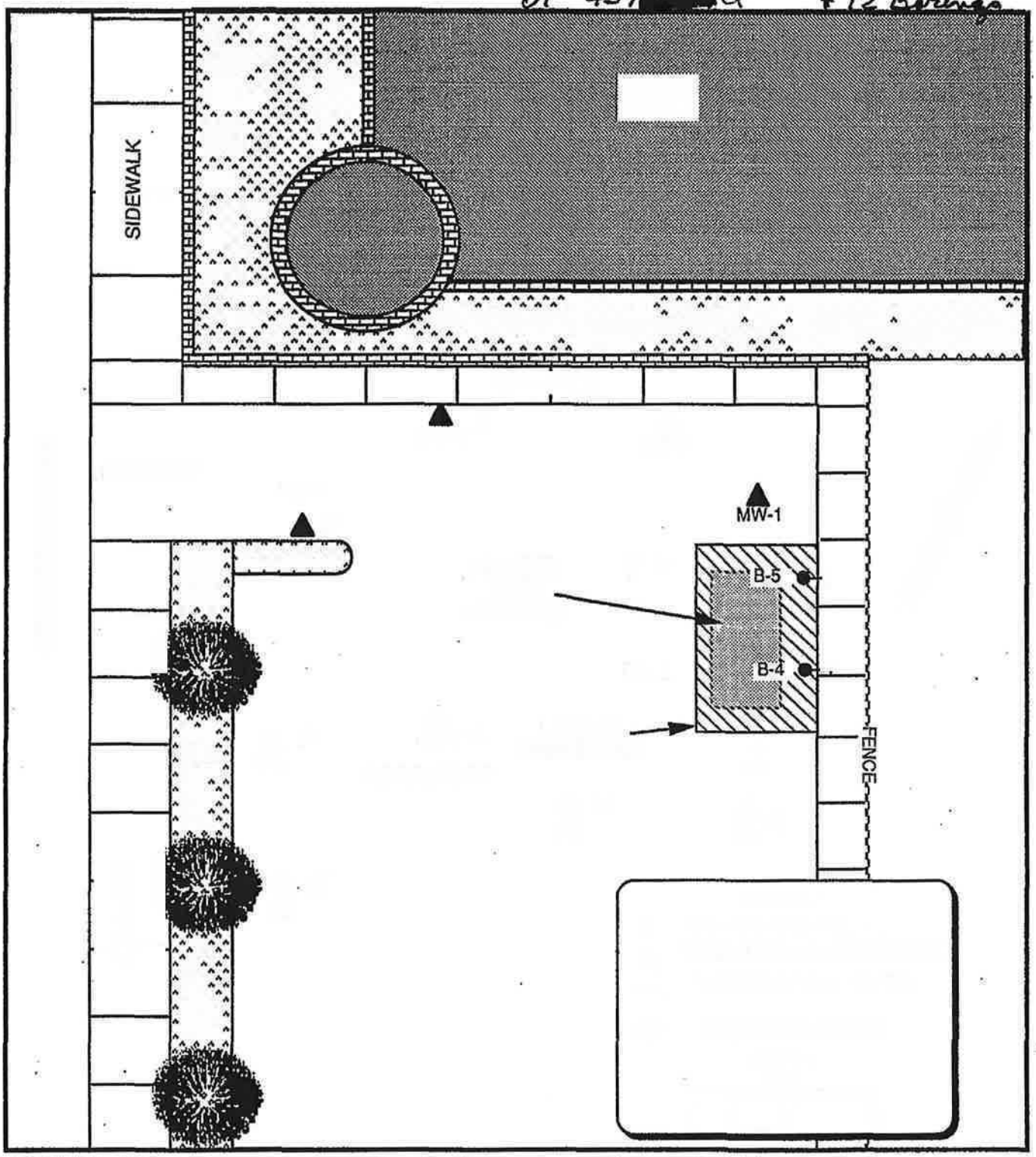

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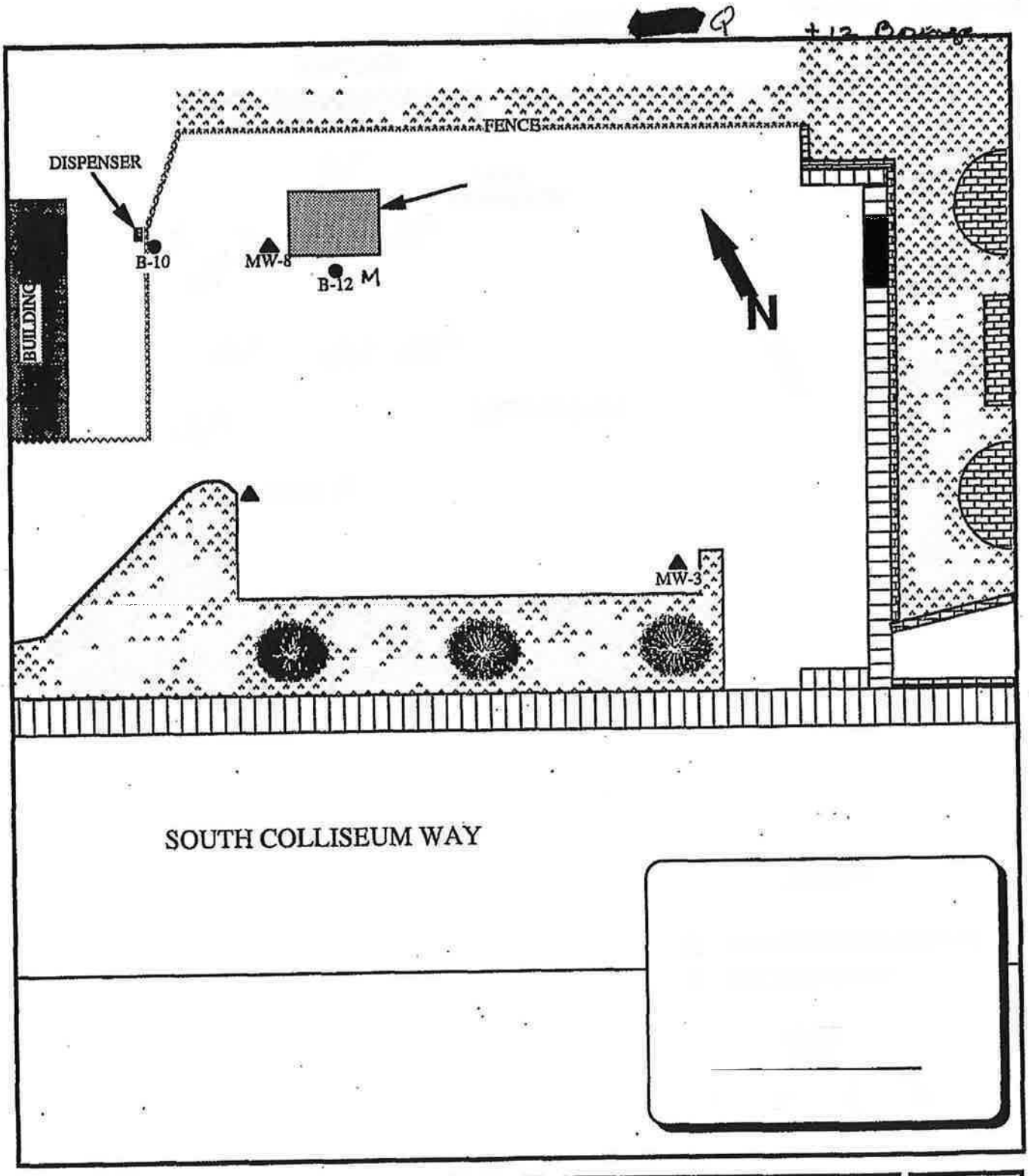
24 Excel Tech 86



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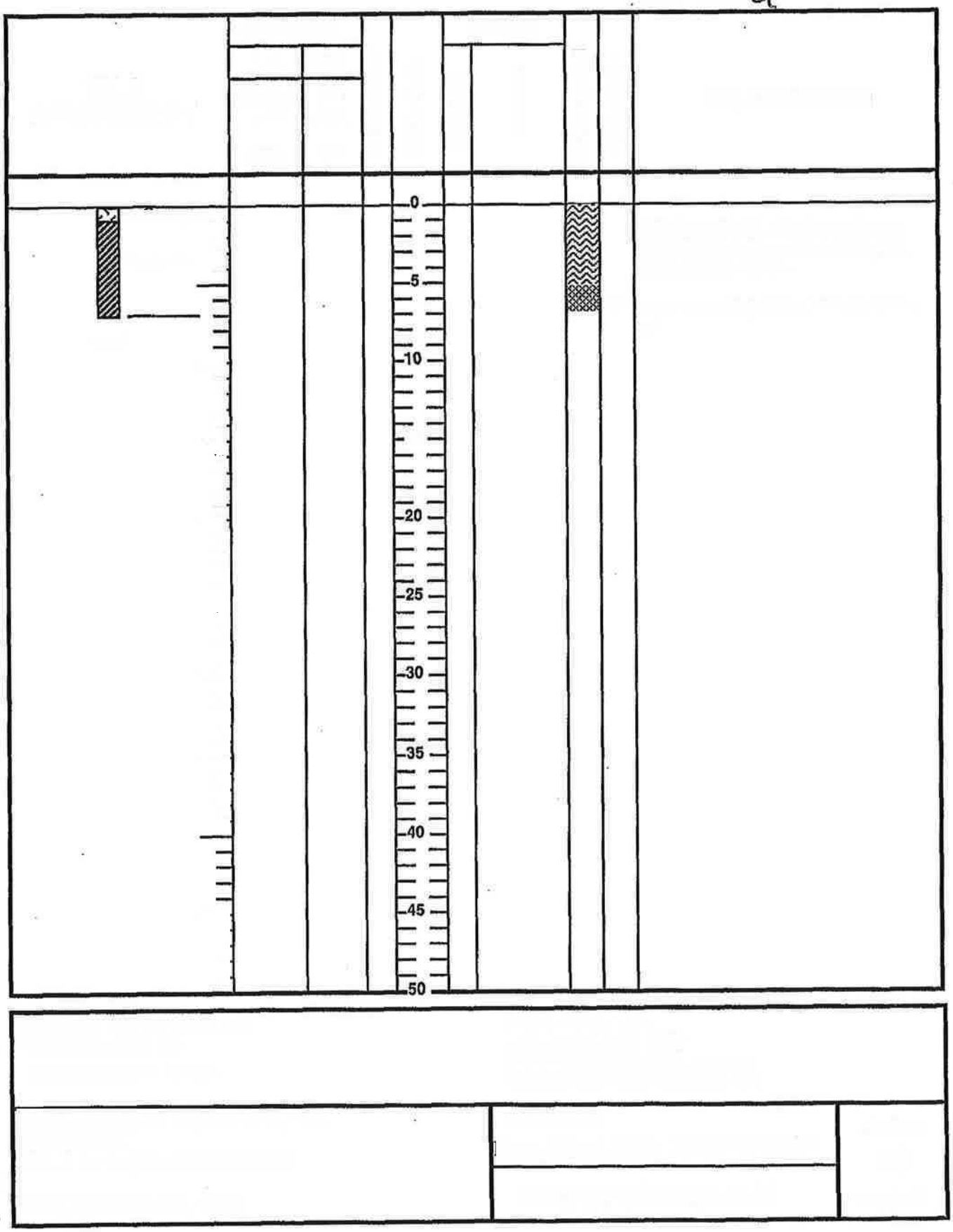
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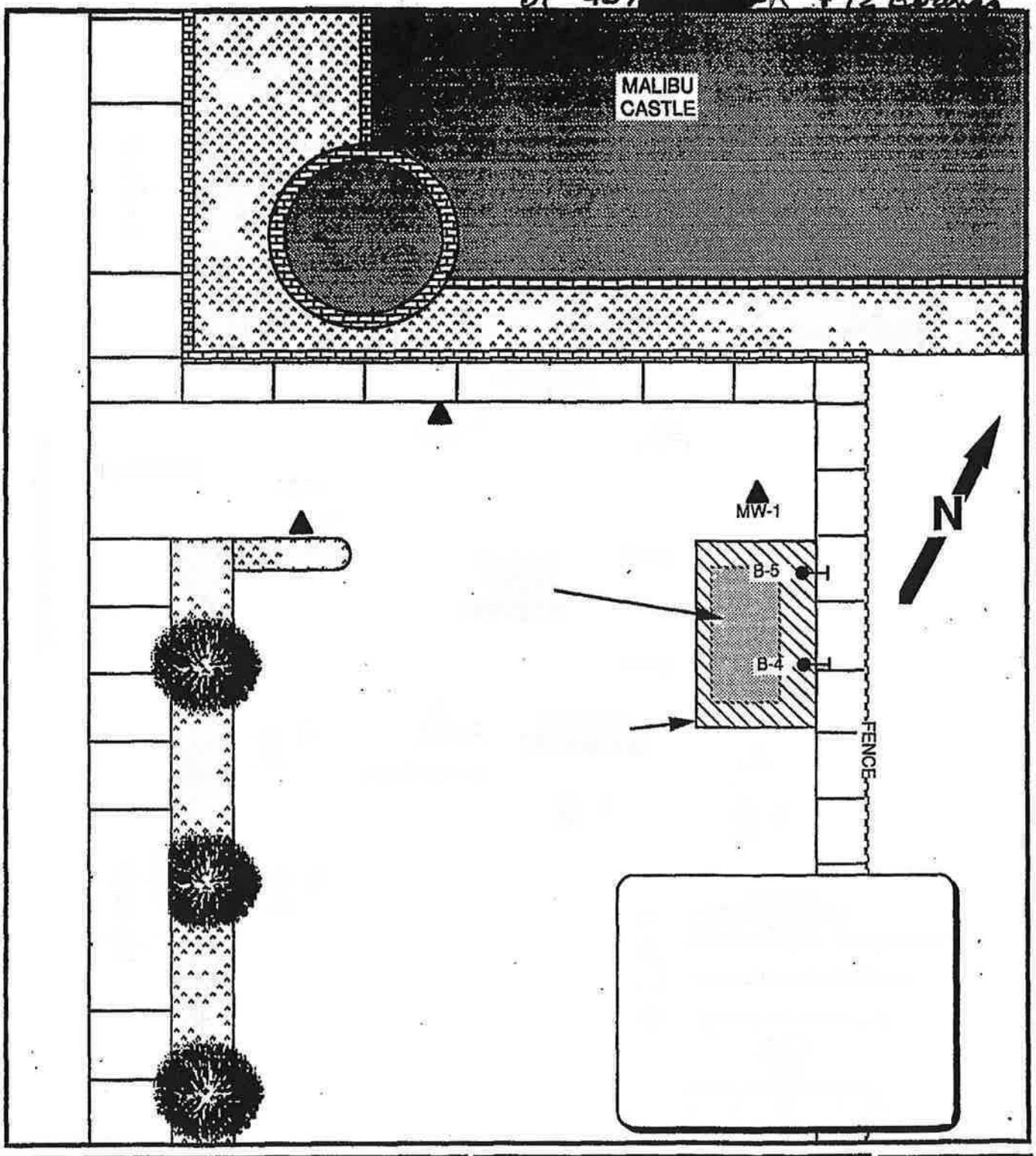

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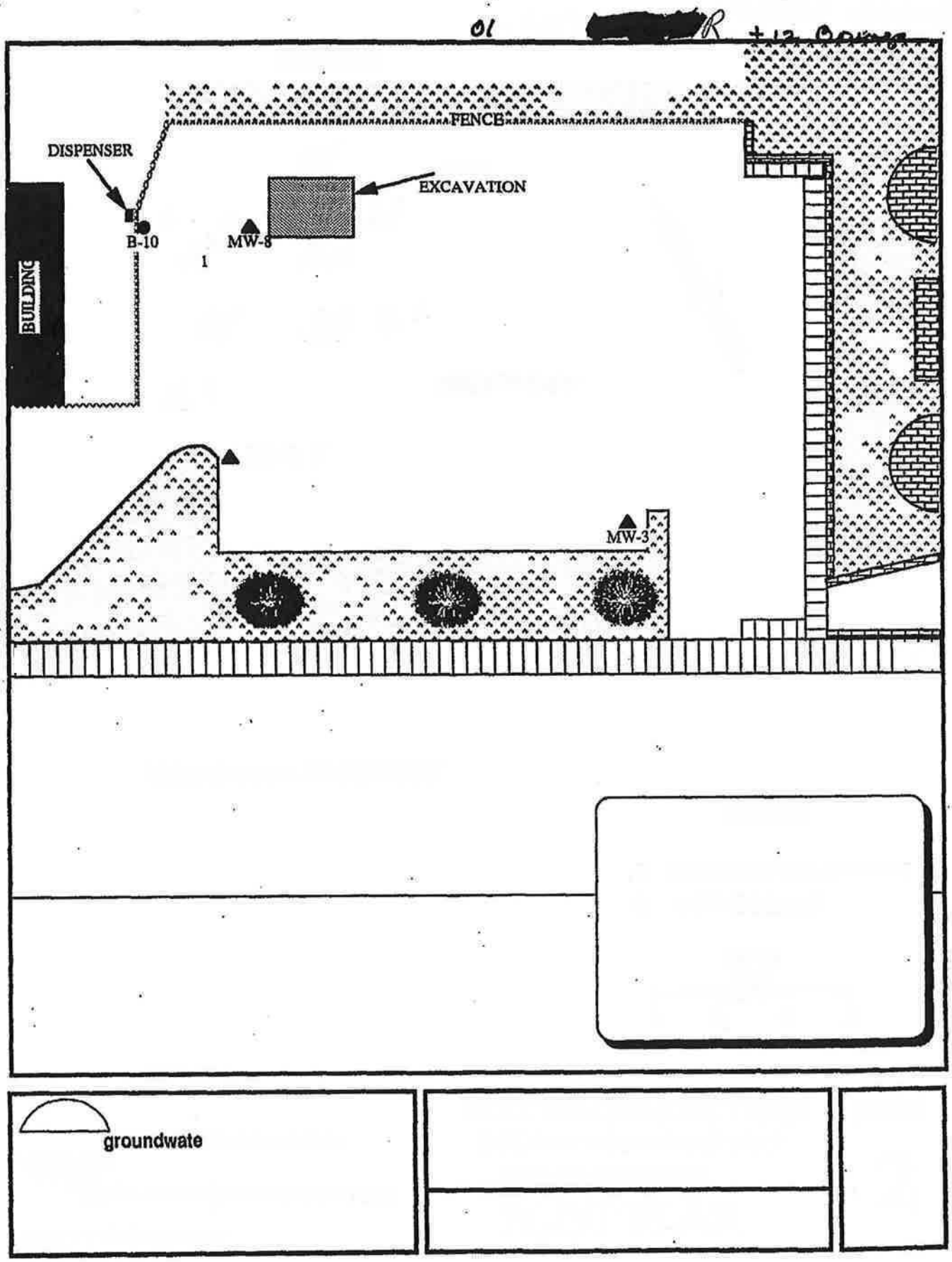
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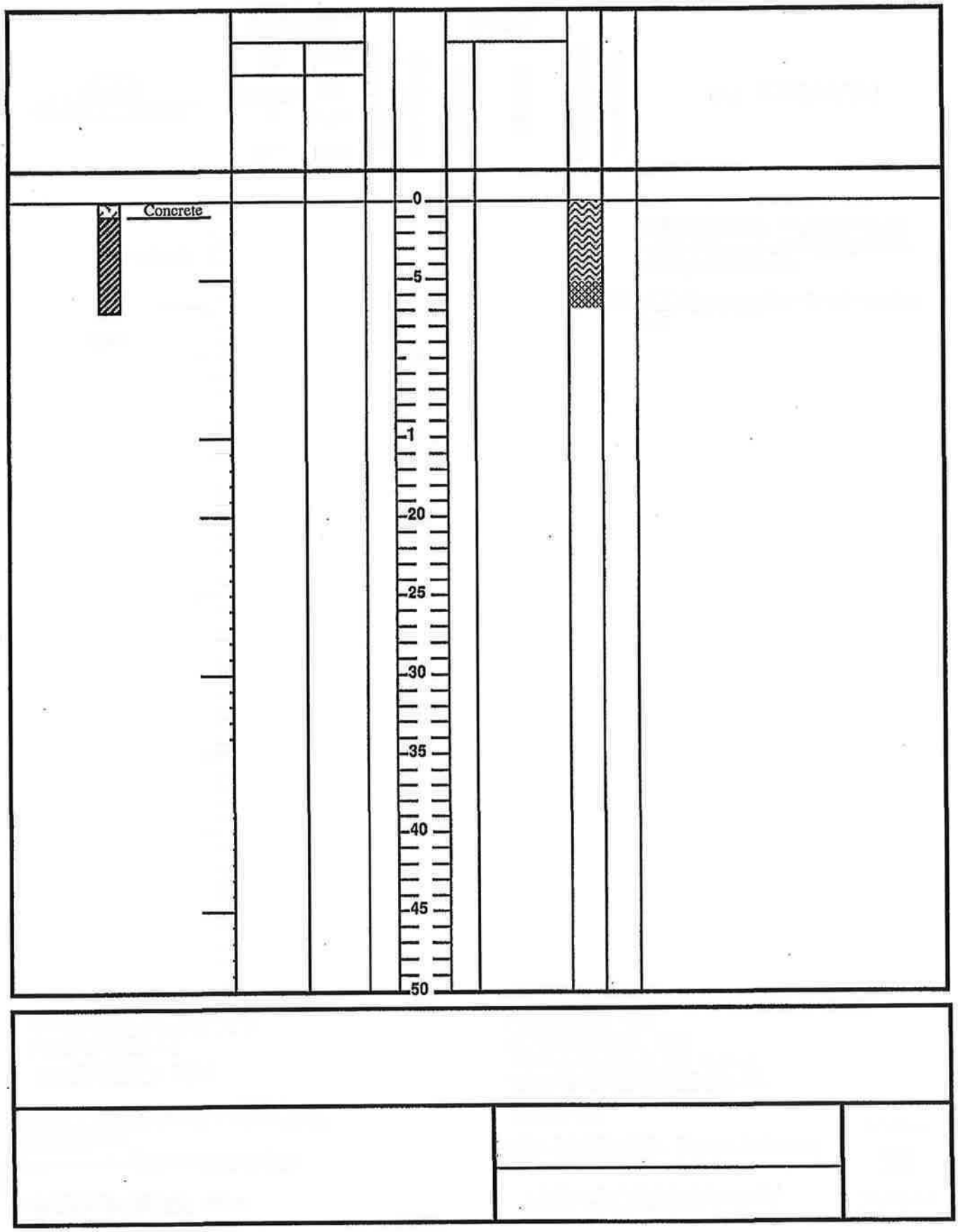
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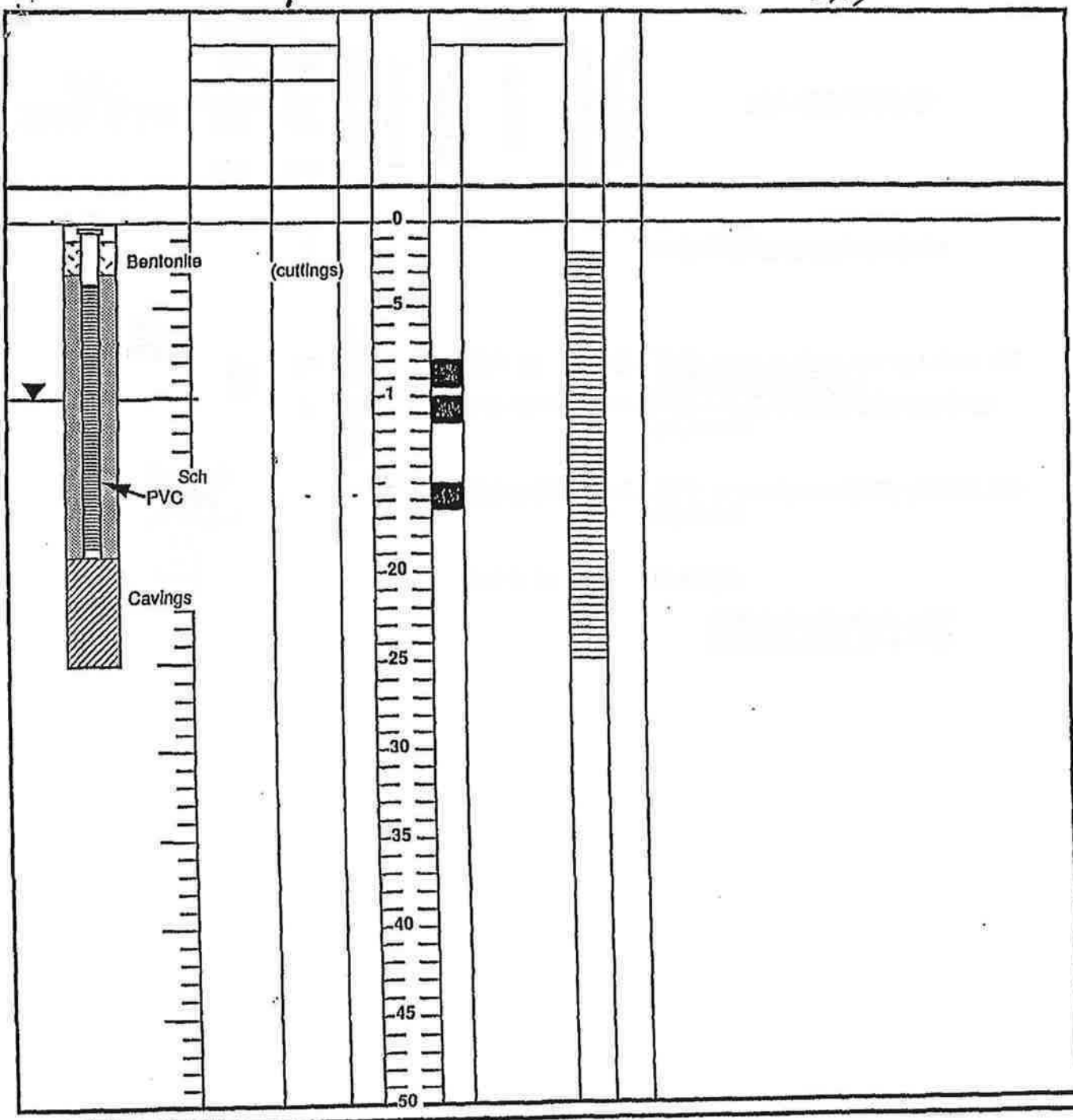

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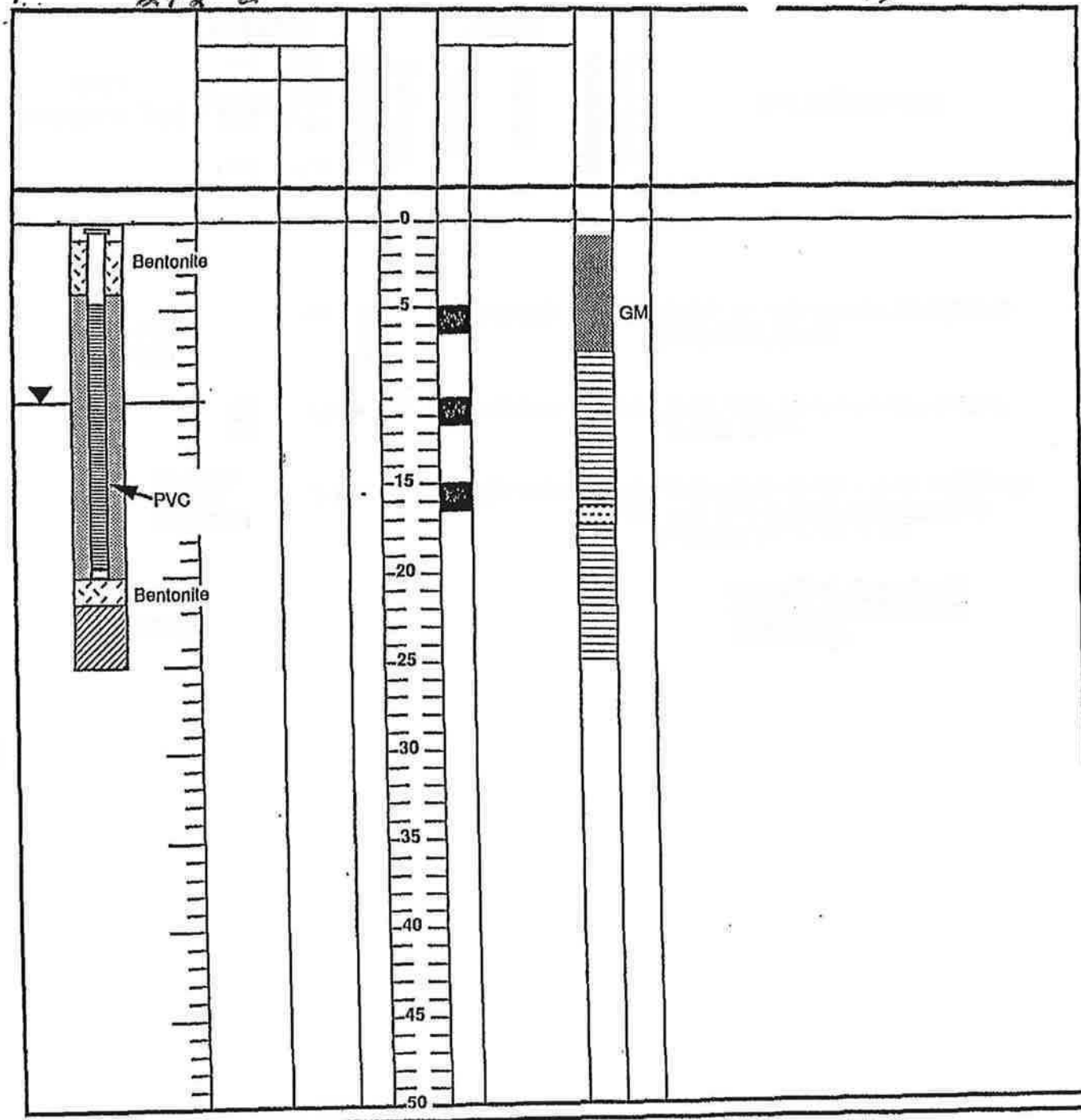

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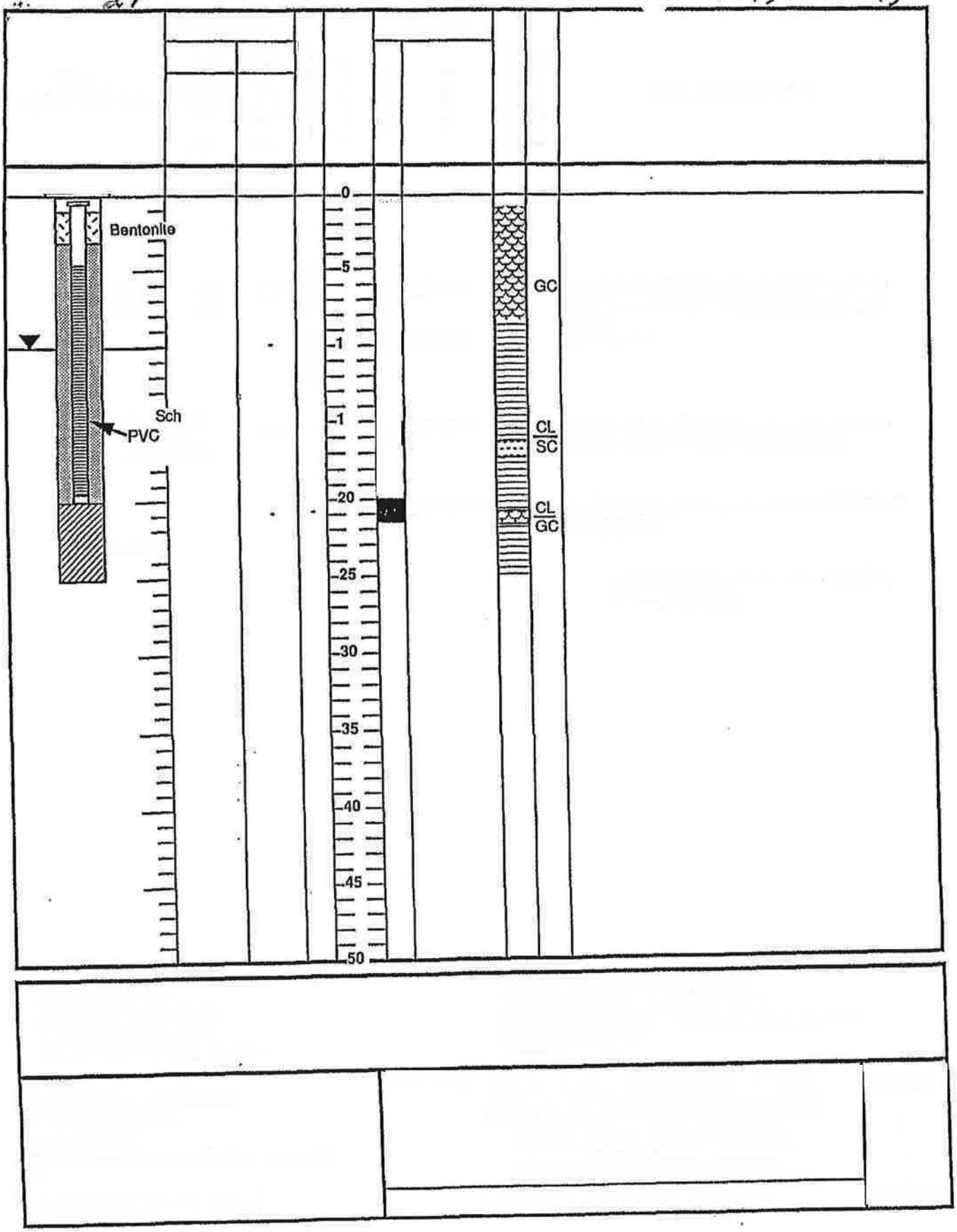

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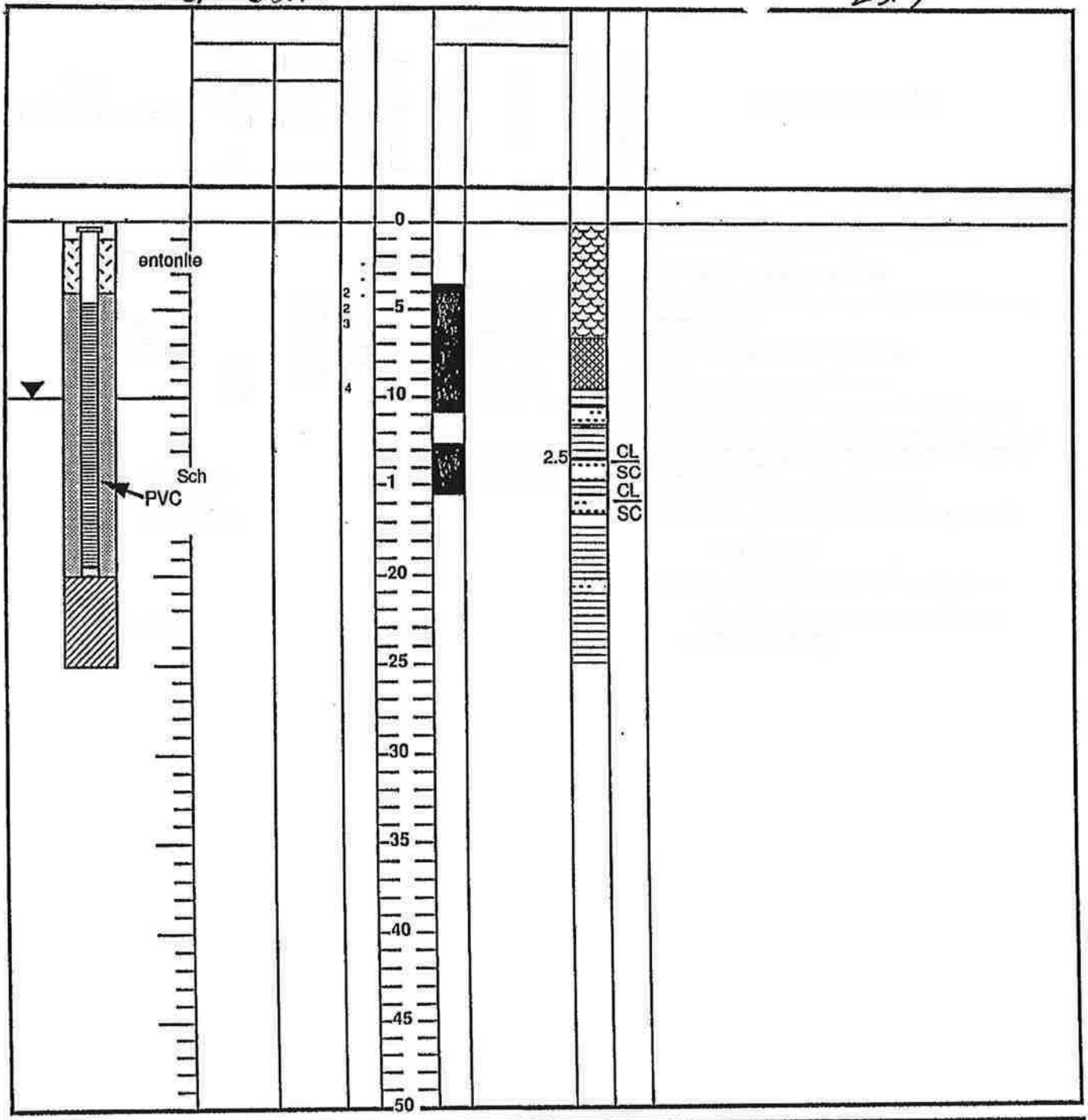

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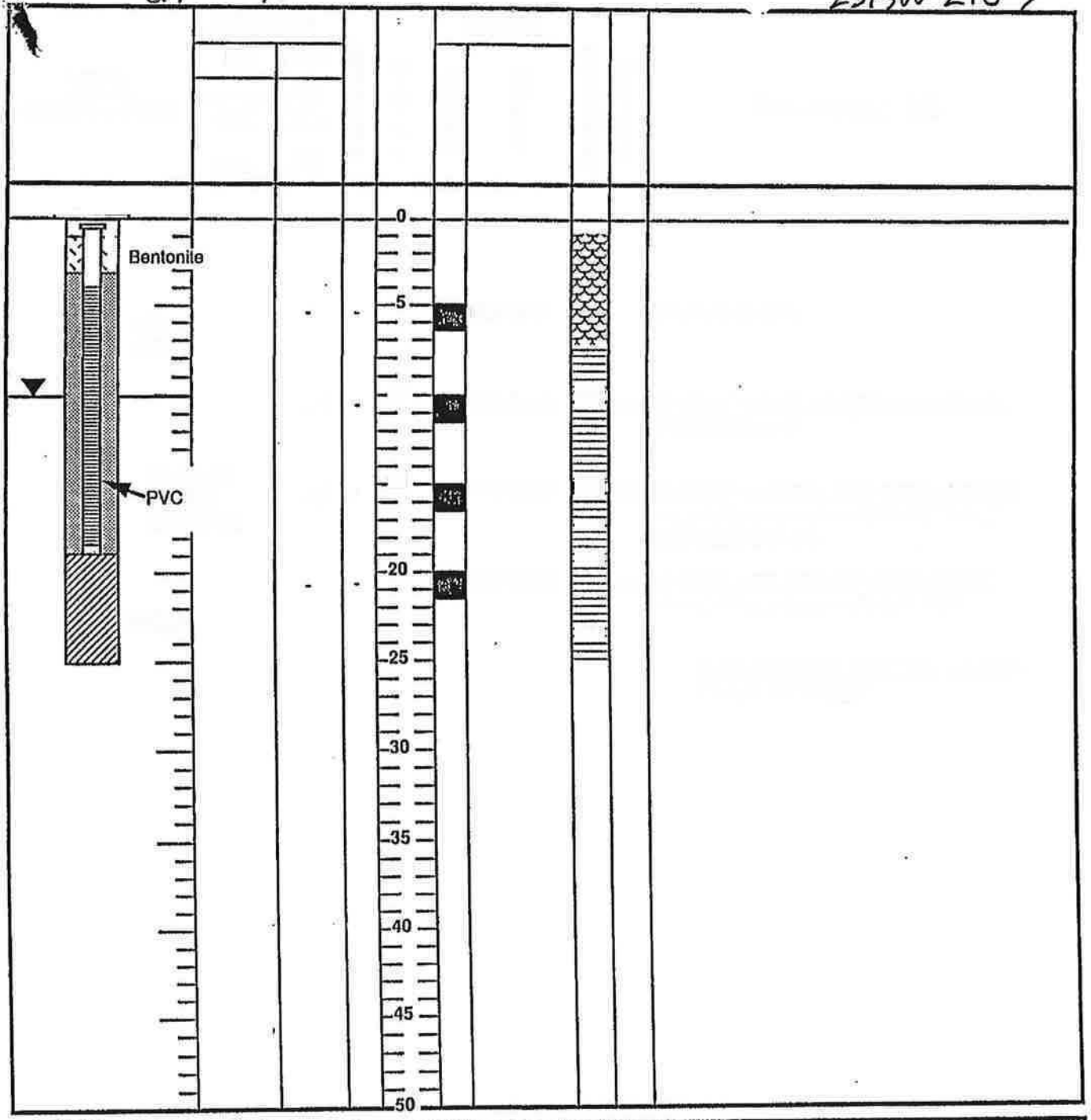

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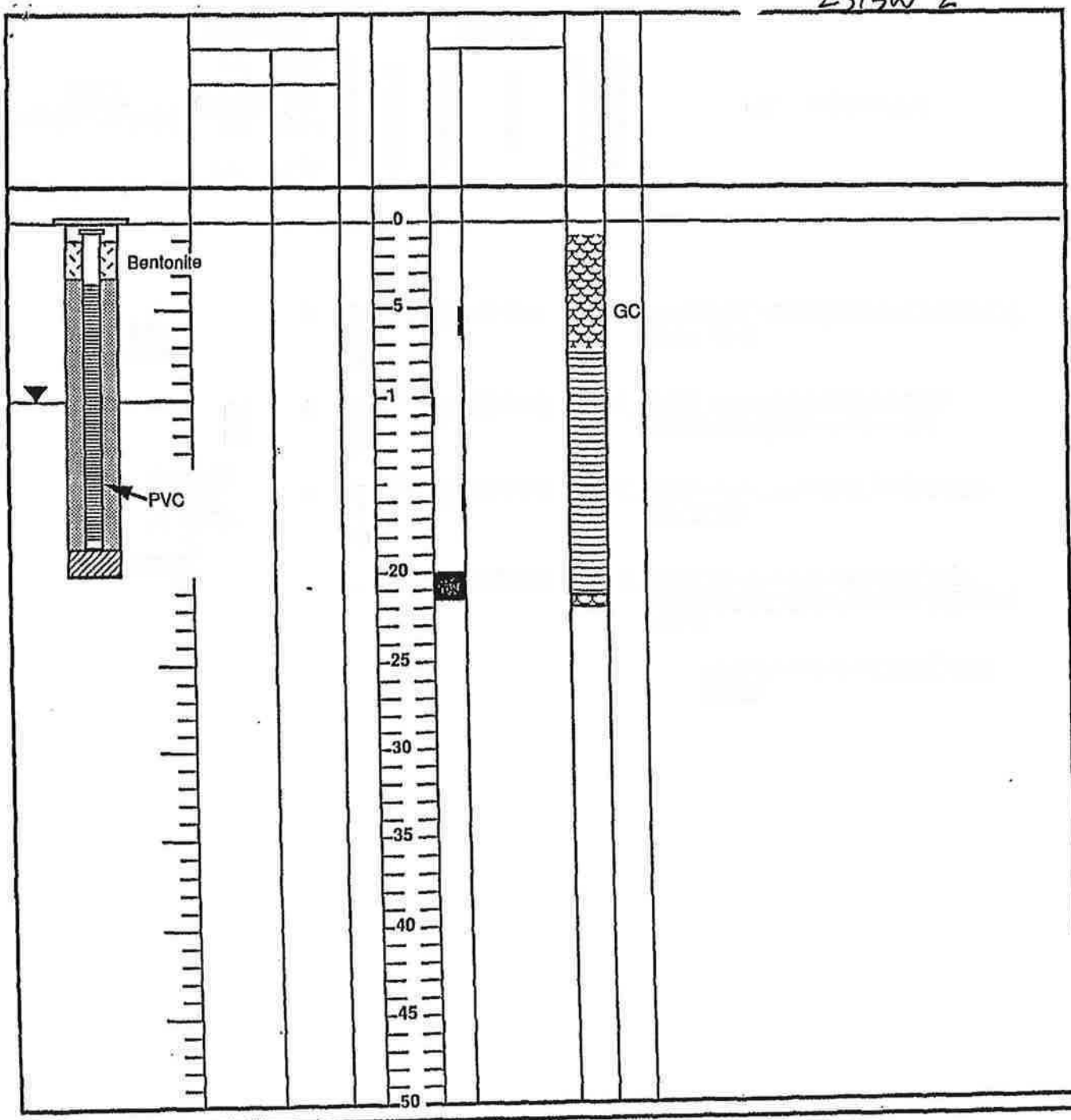

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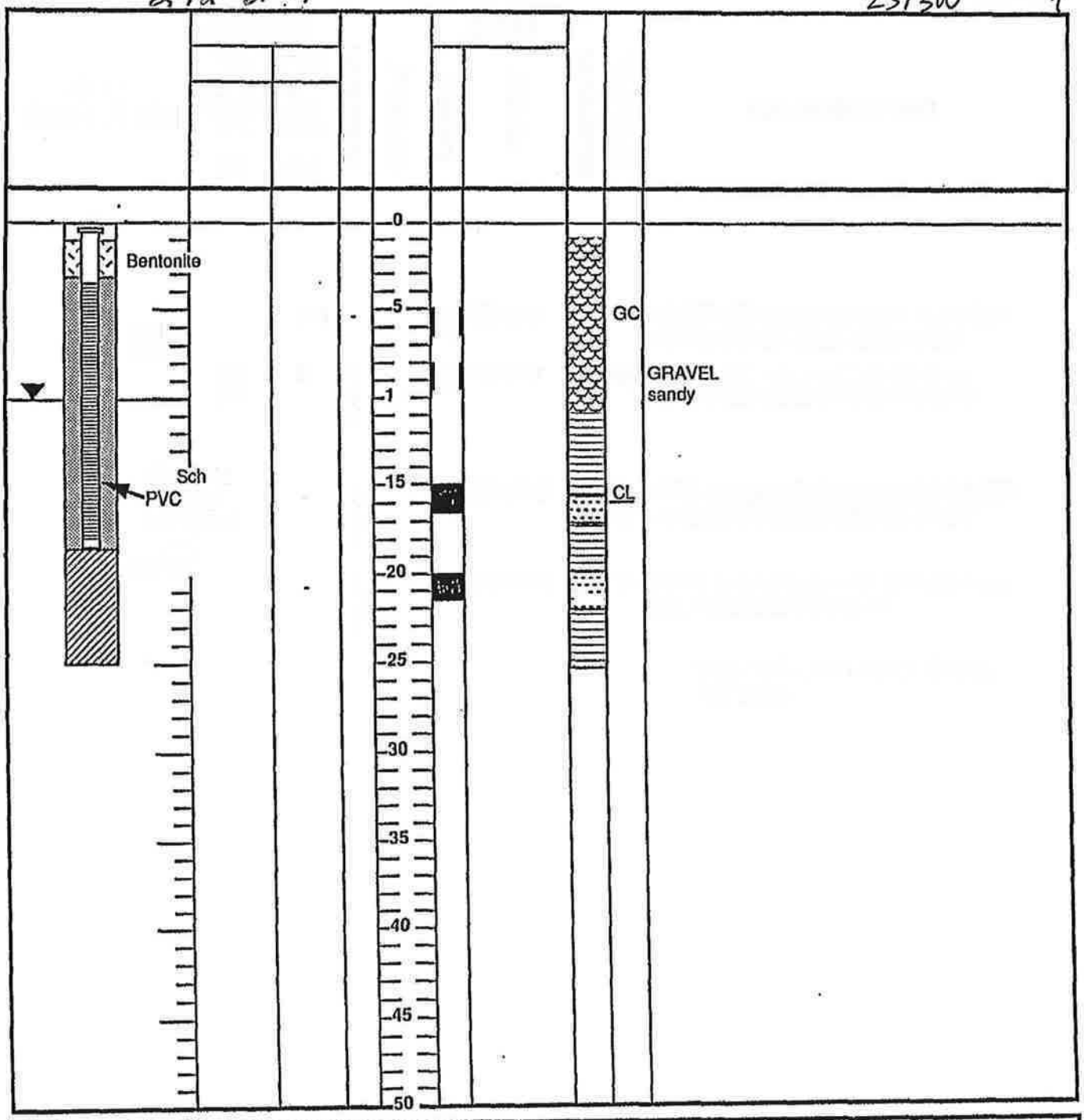

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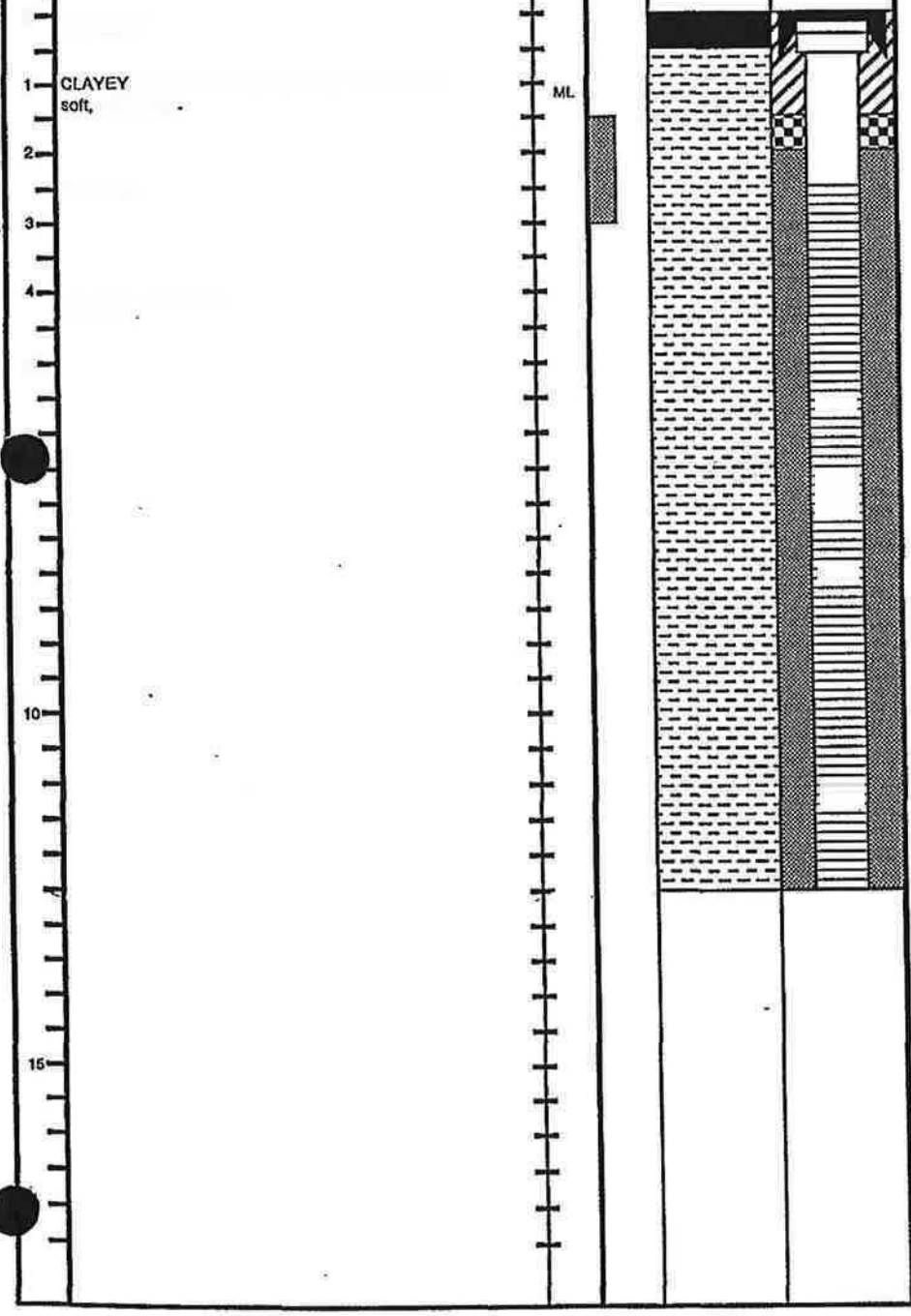

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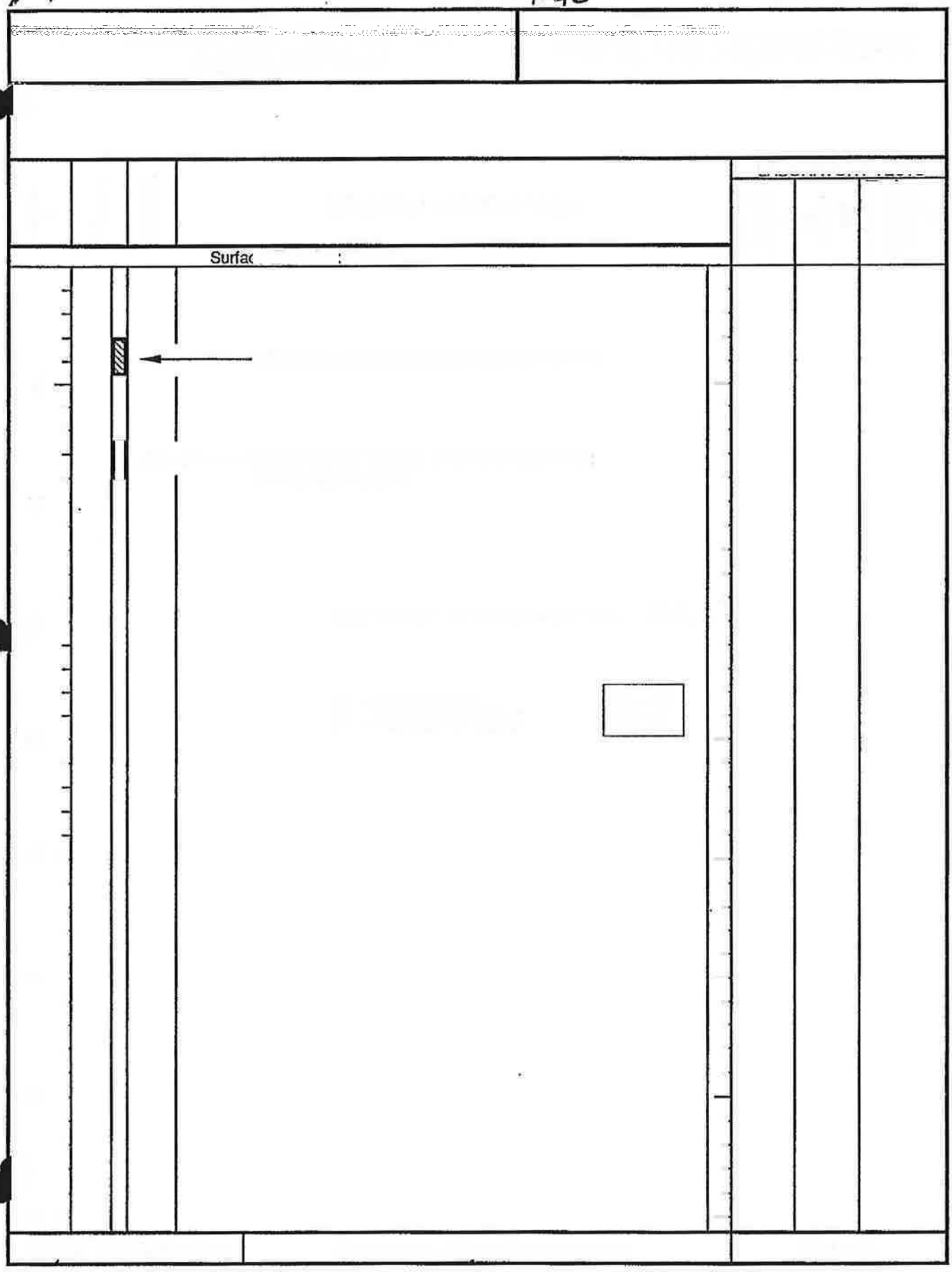
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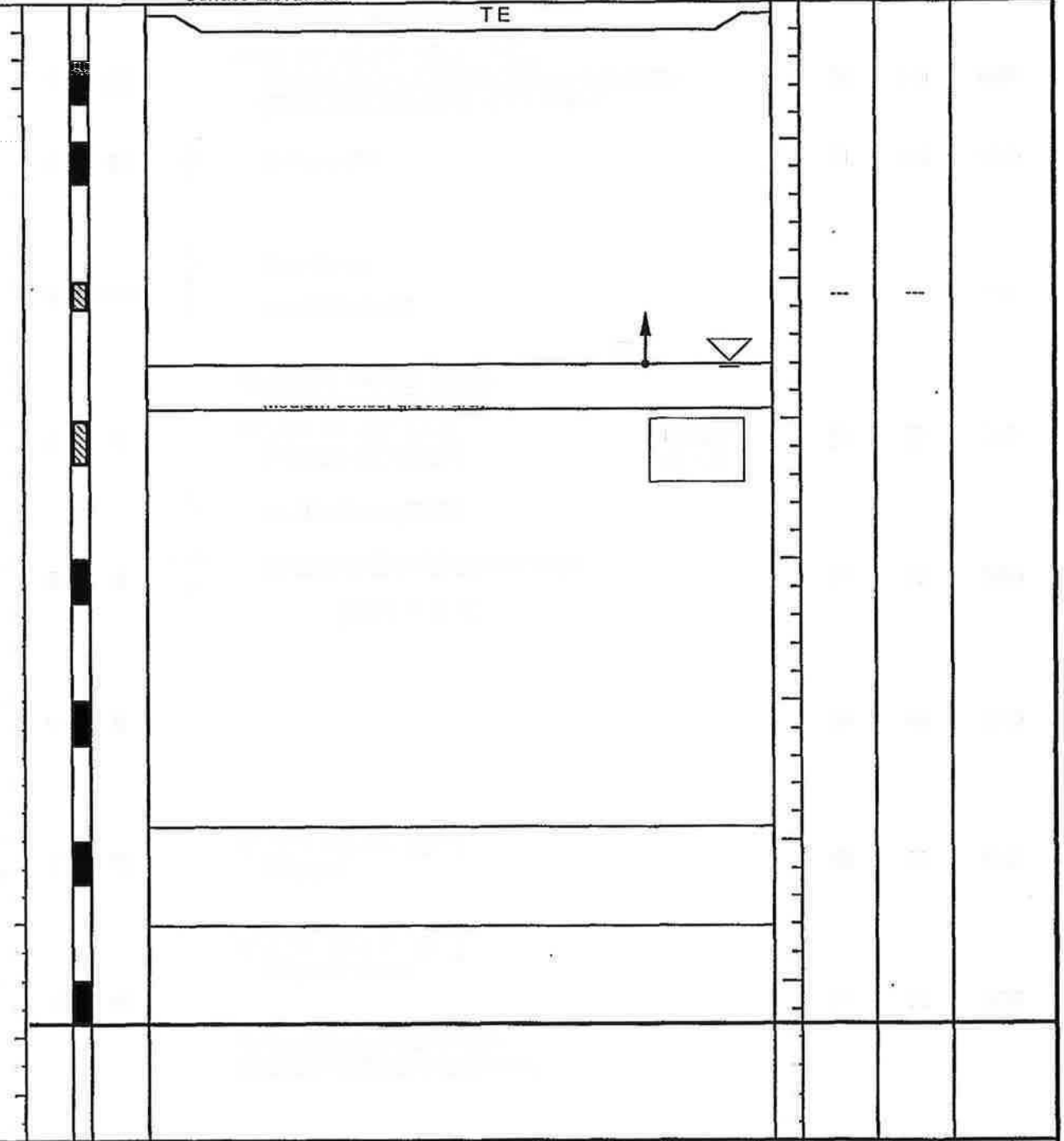

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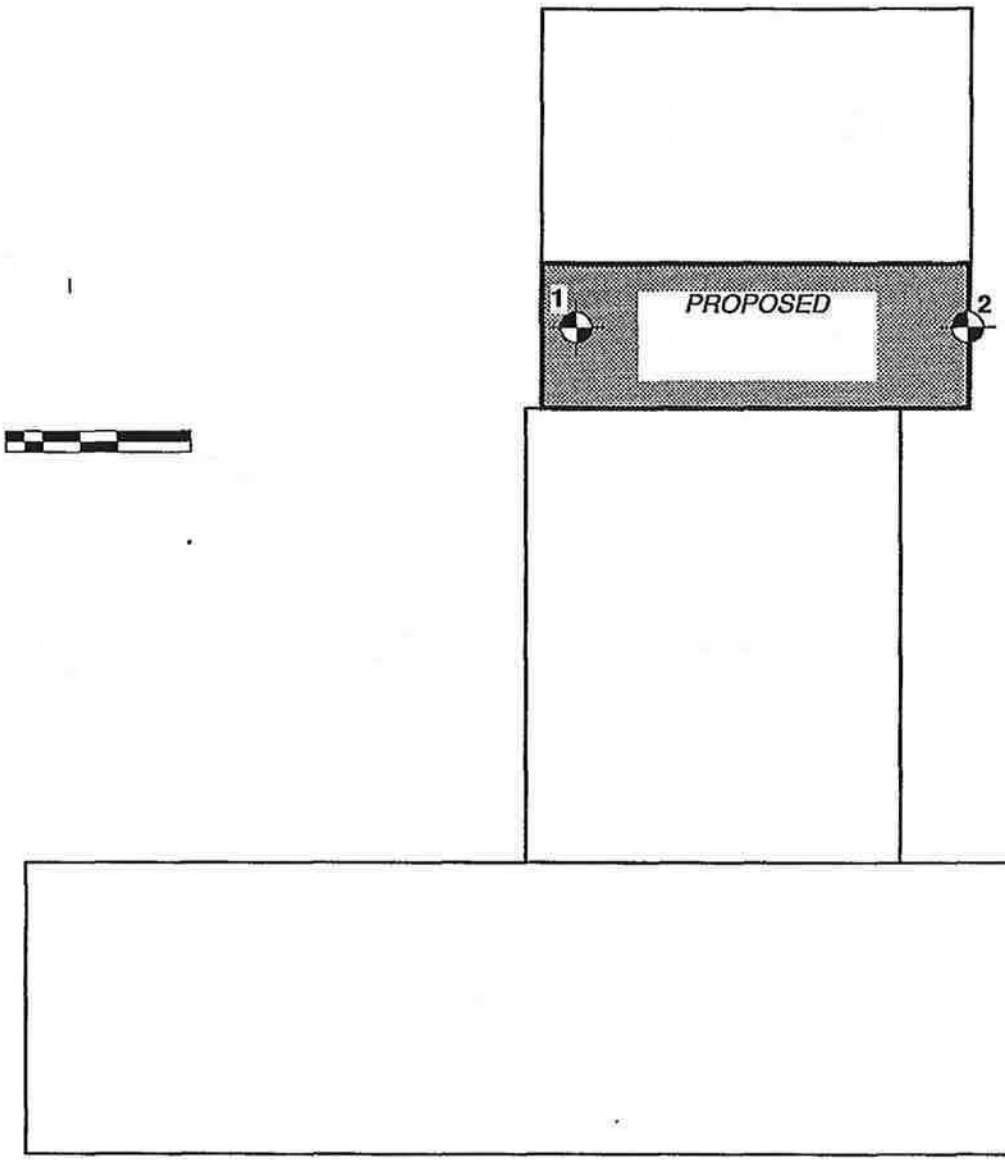

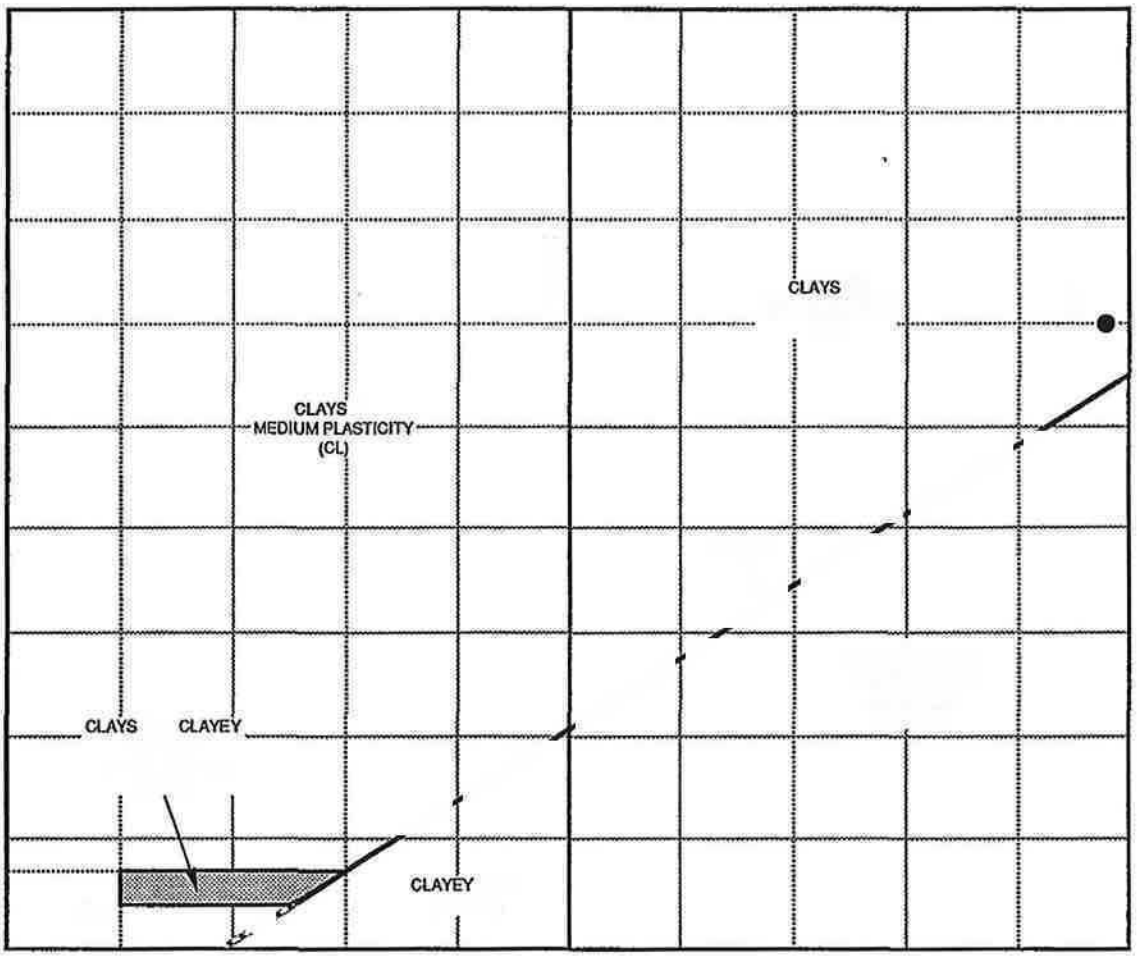
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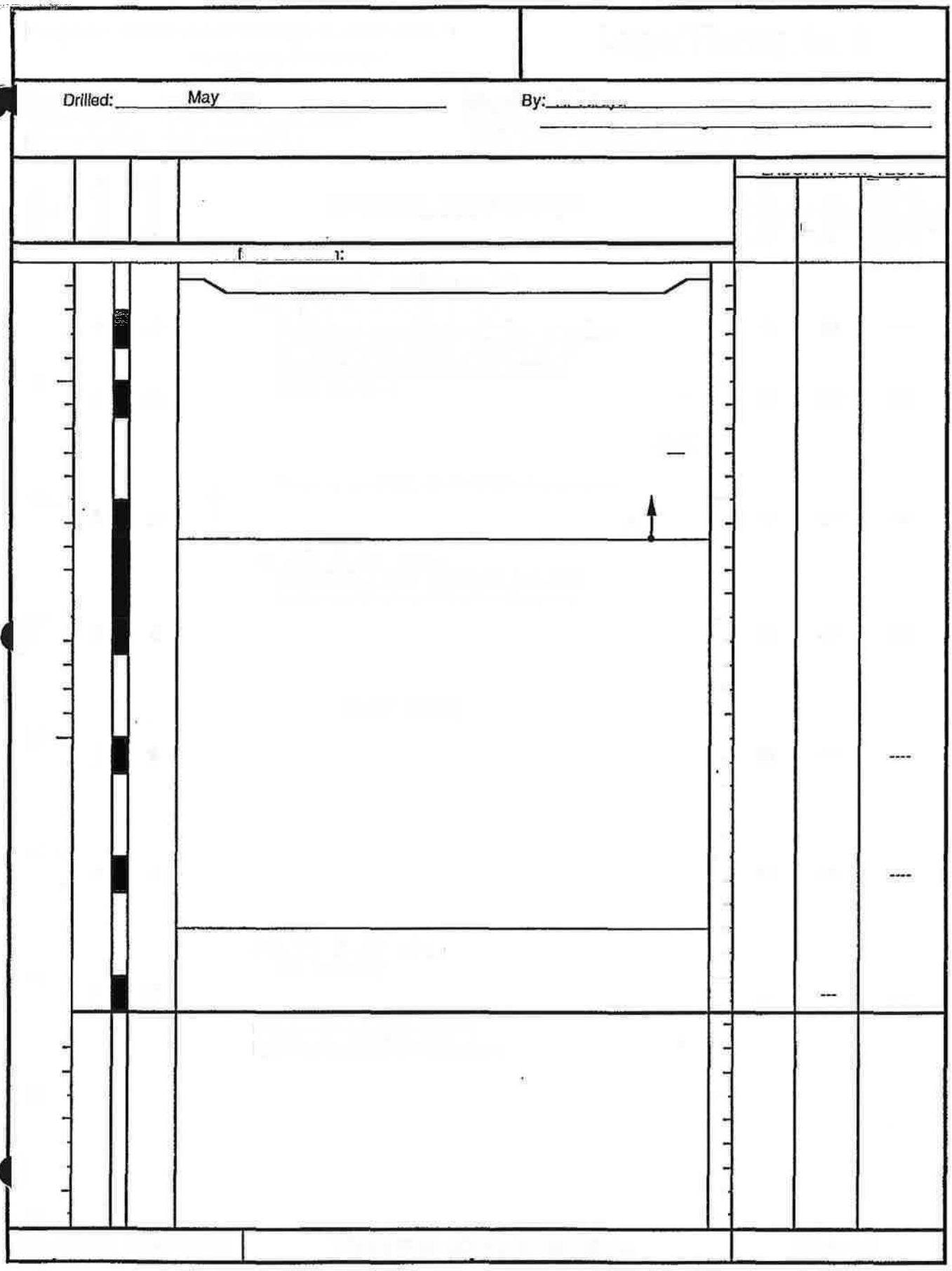
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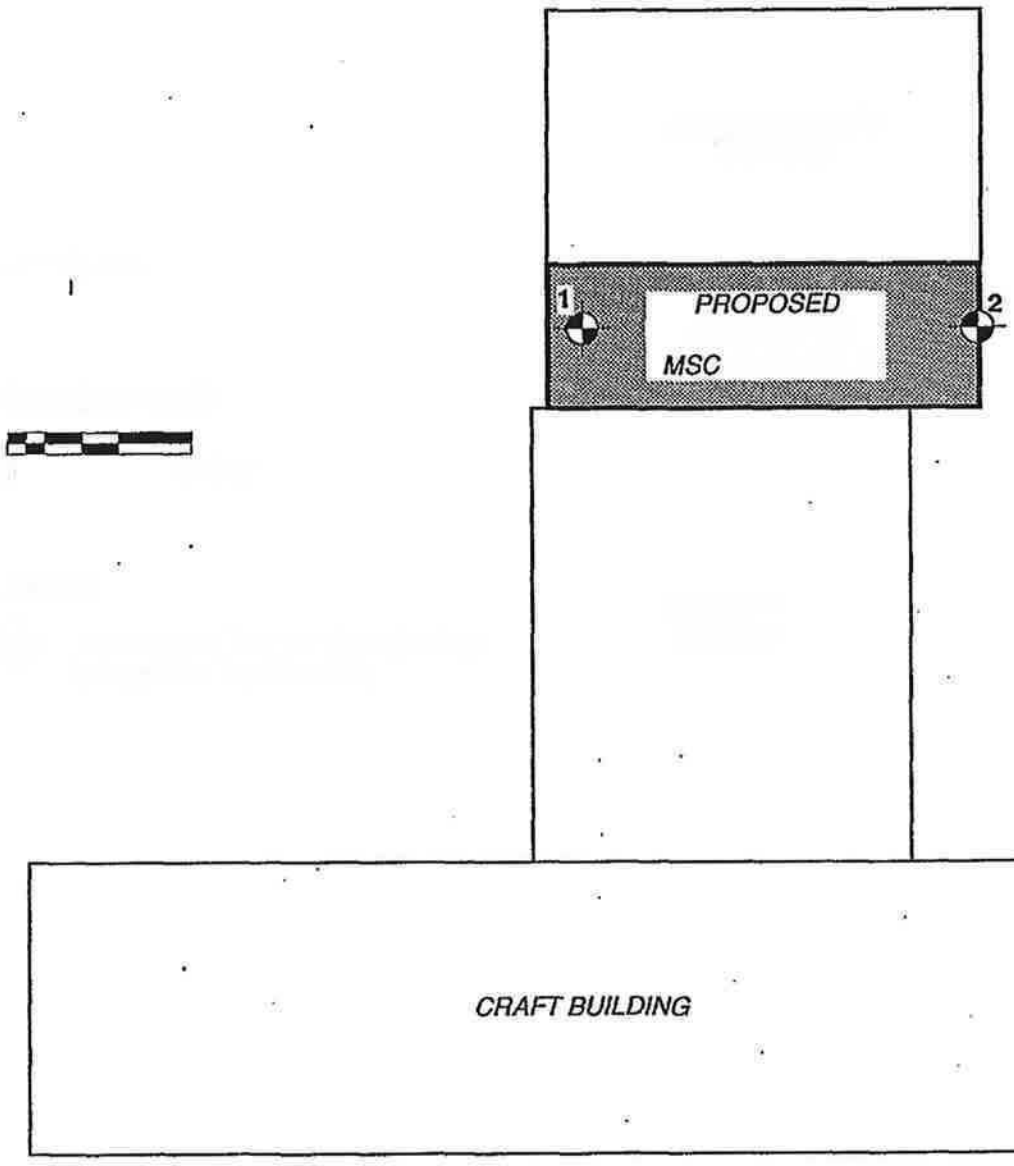

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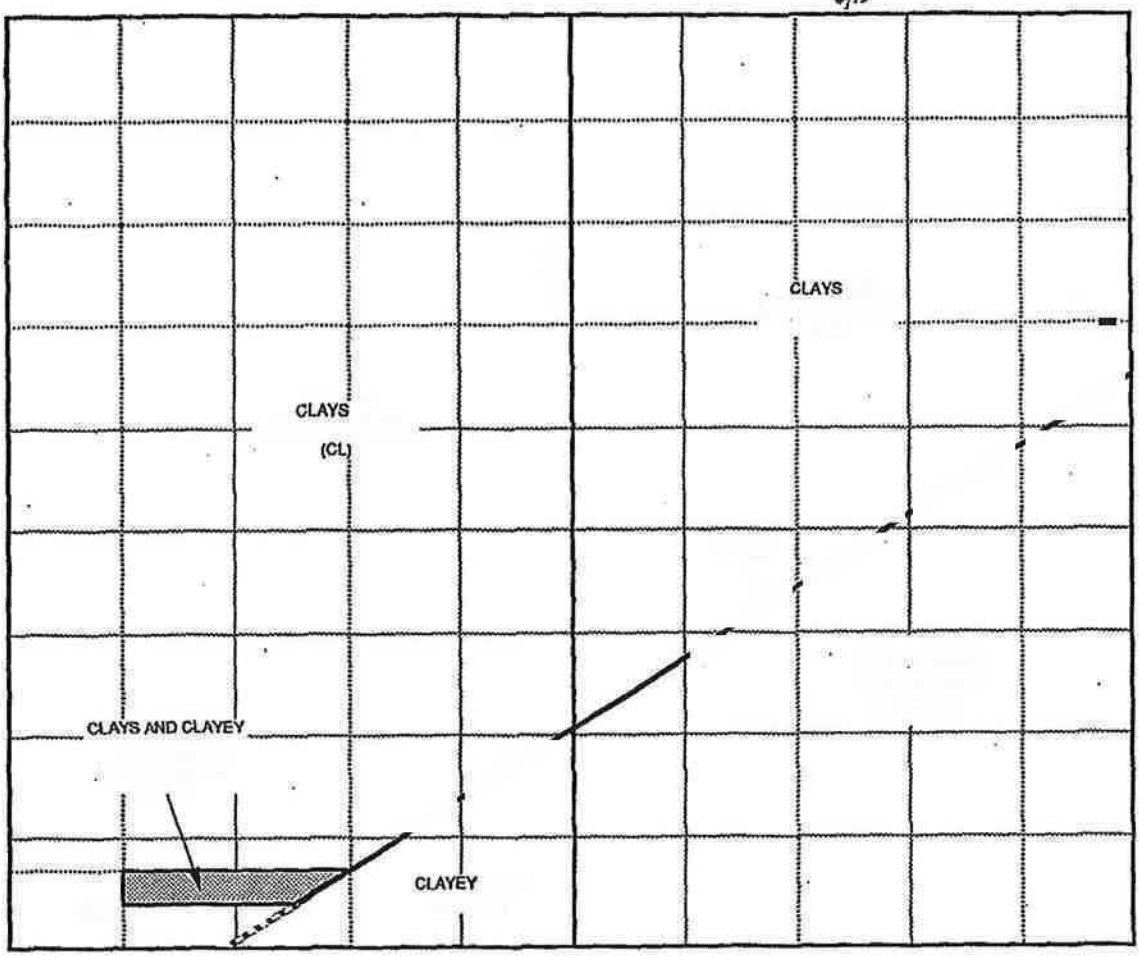
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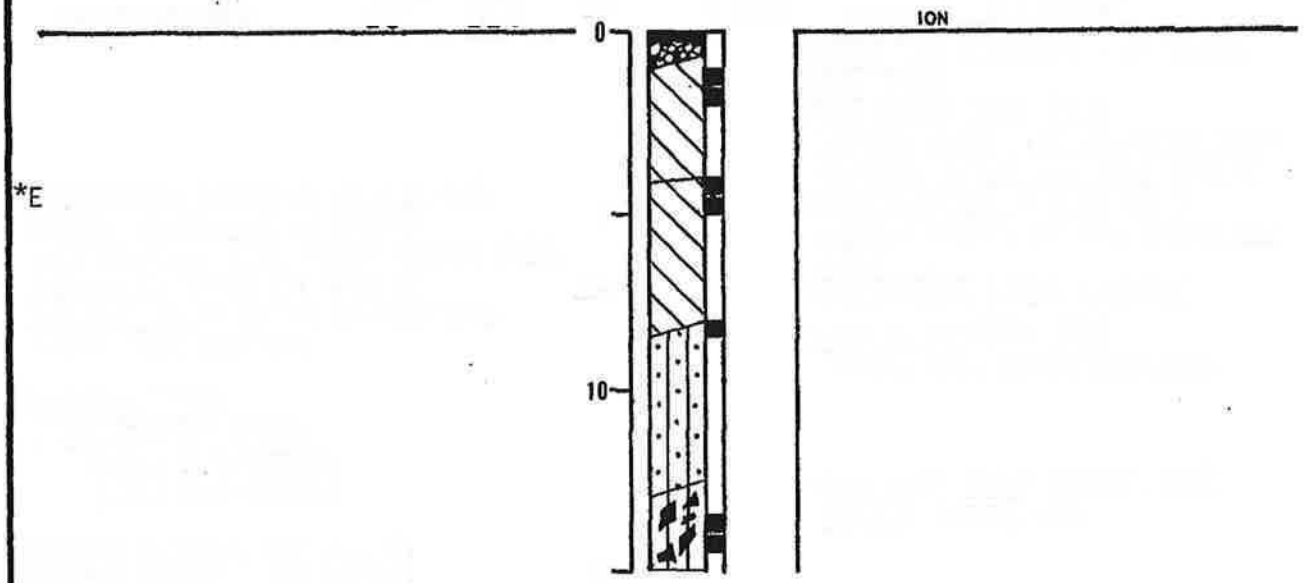

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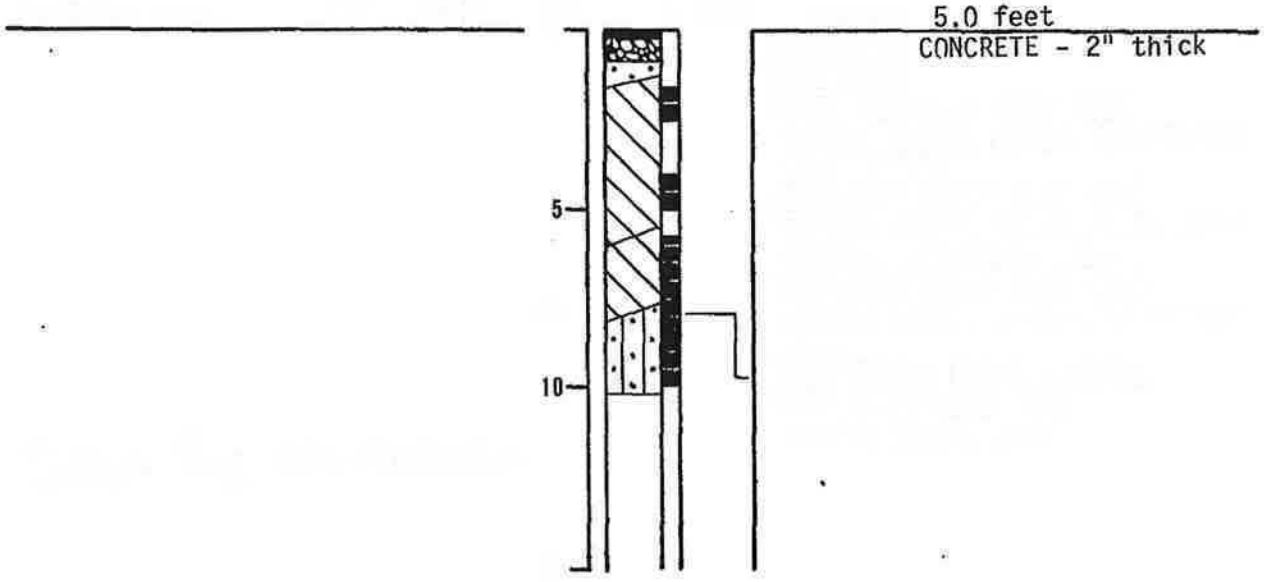

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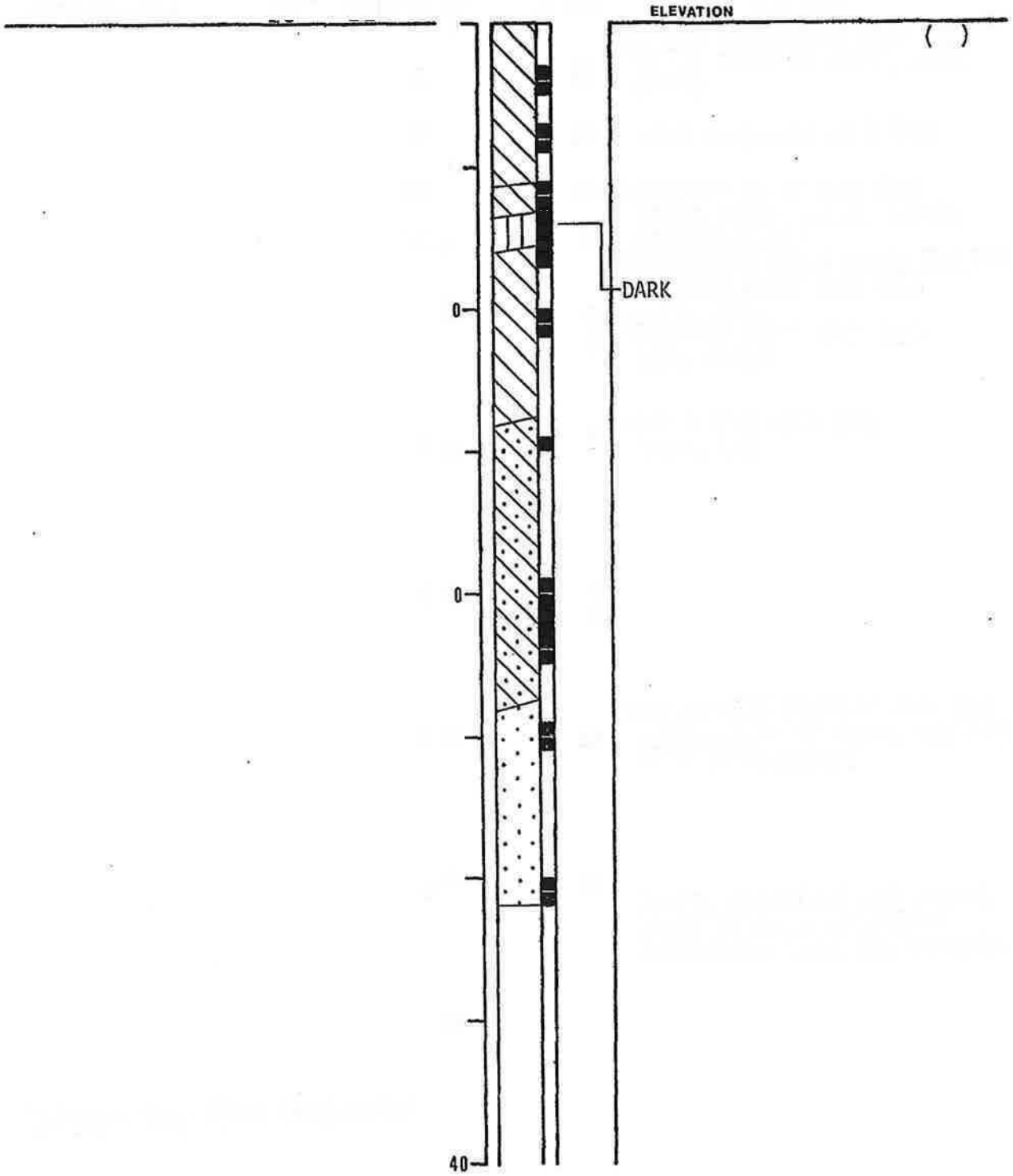

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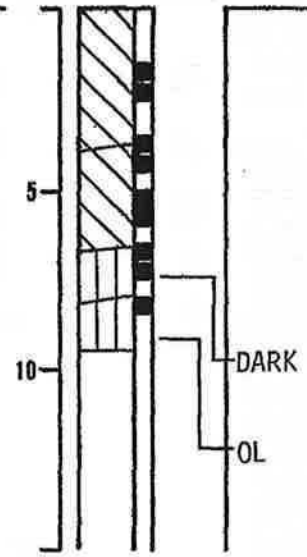

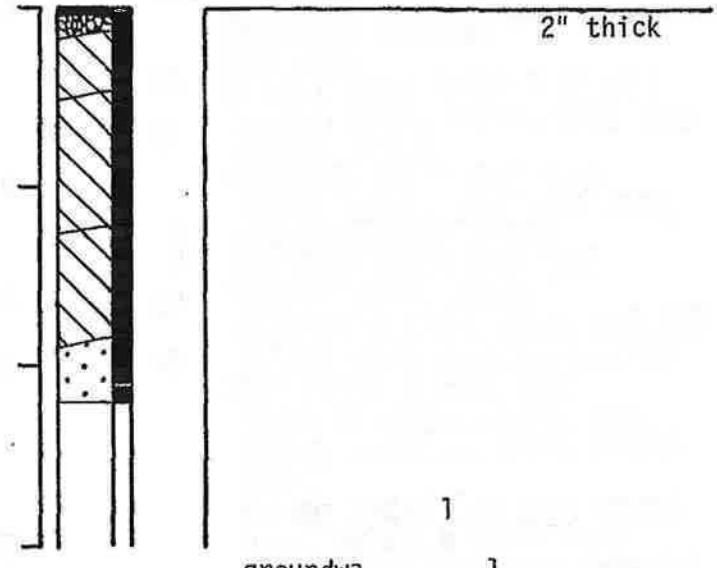

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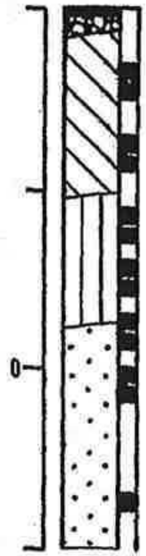


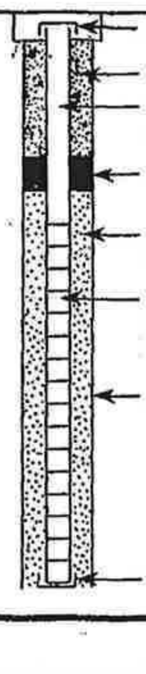
Driller: Bay Area xploratio

346365H

MOISTURE CONTENT %

DRY DENSITY (PCF)

OVM (ppm)



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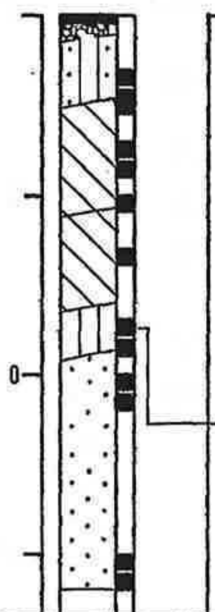

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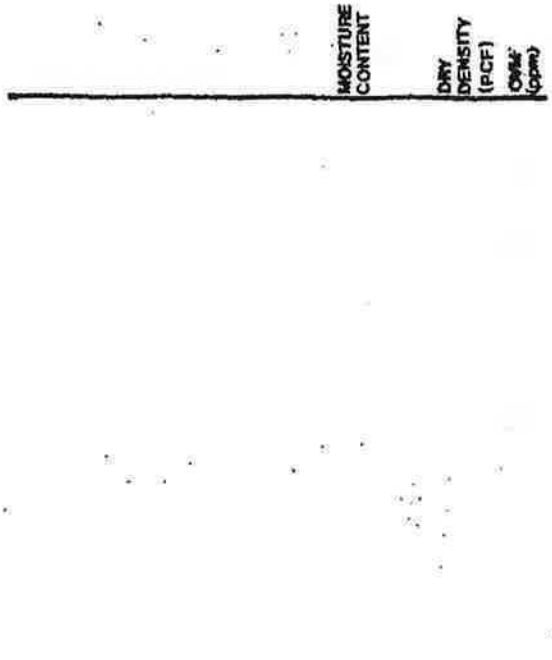

ELEVATION 4.6 feet

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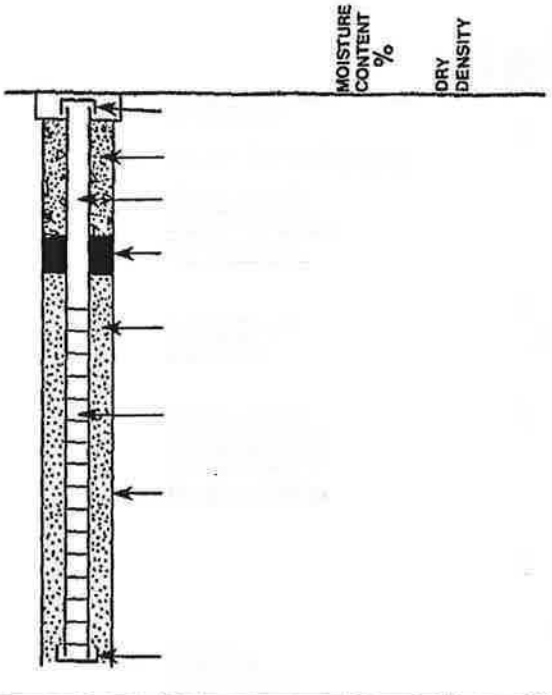

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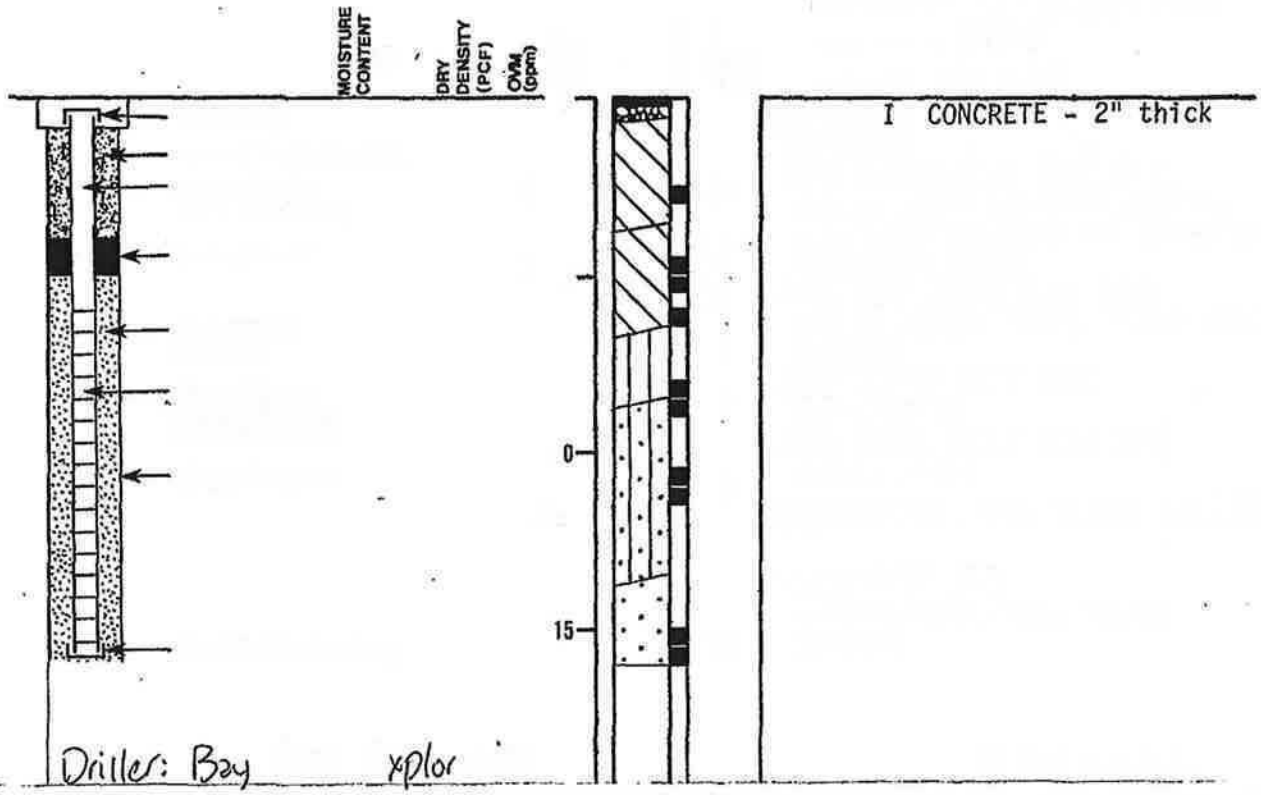

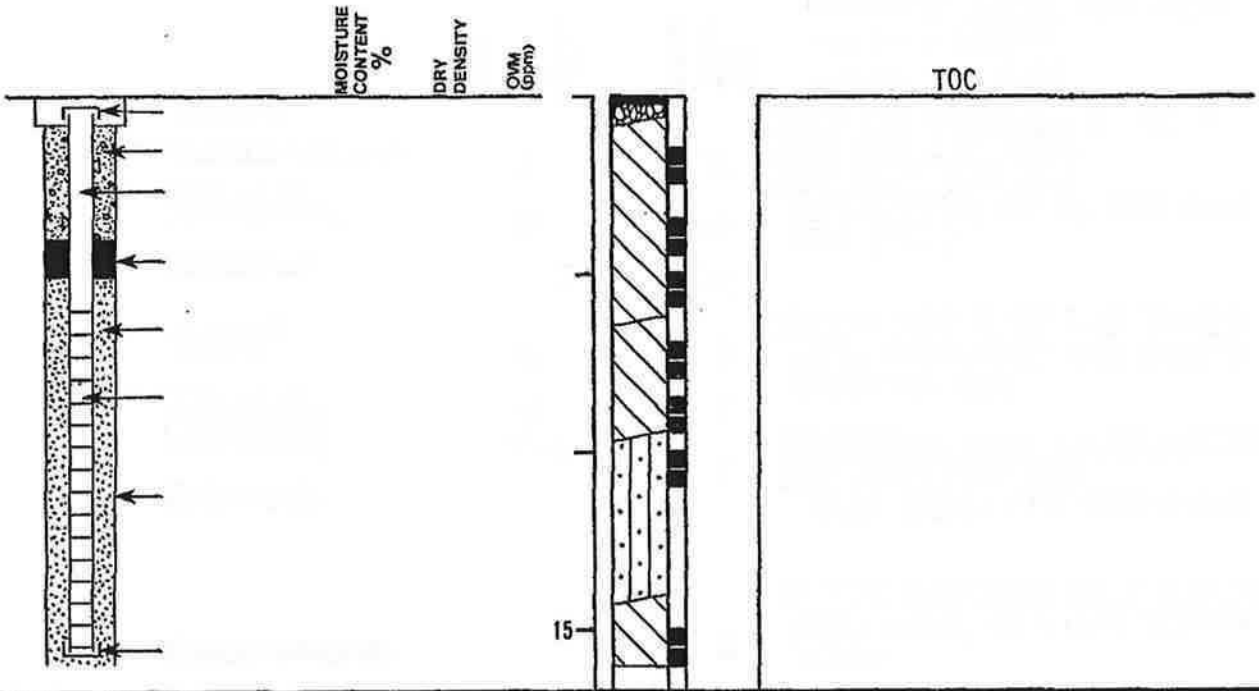

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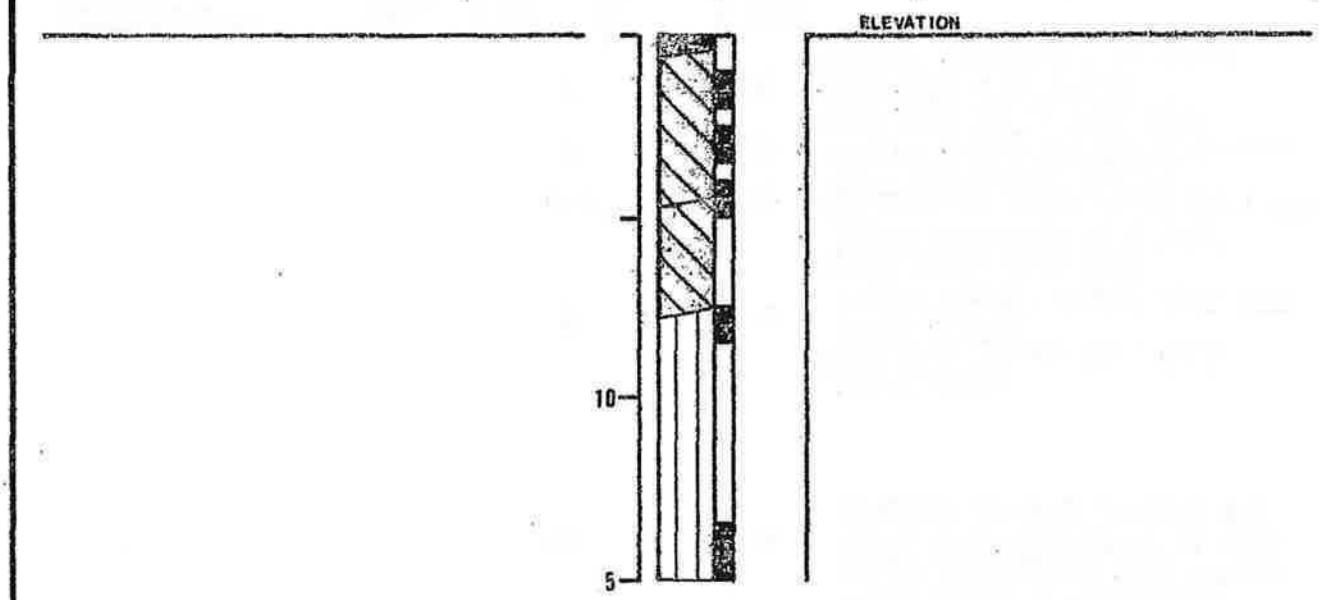

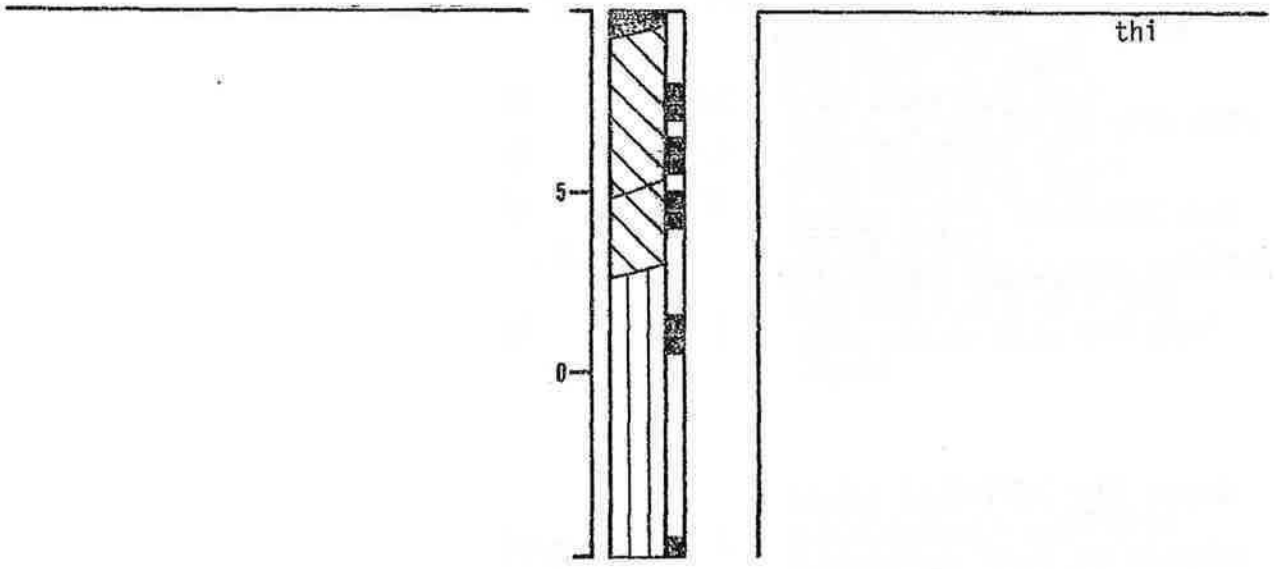

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MOISTURE CONTENT

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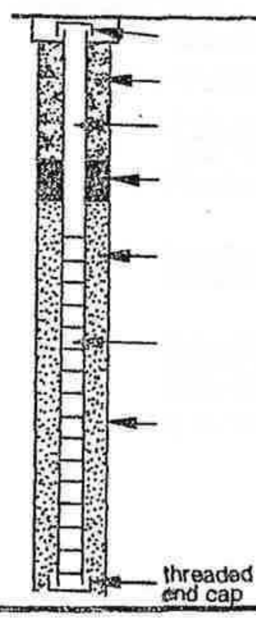

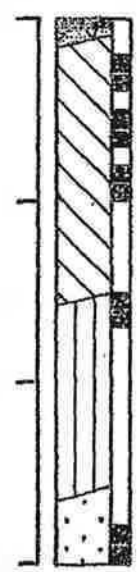

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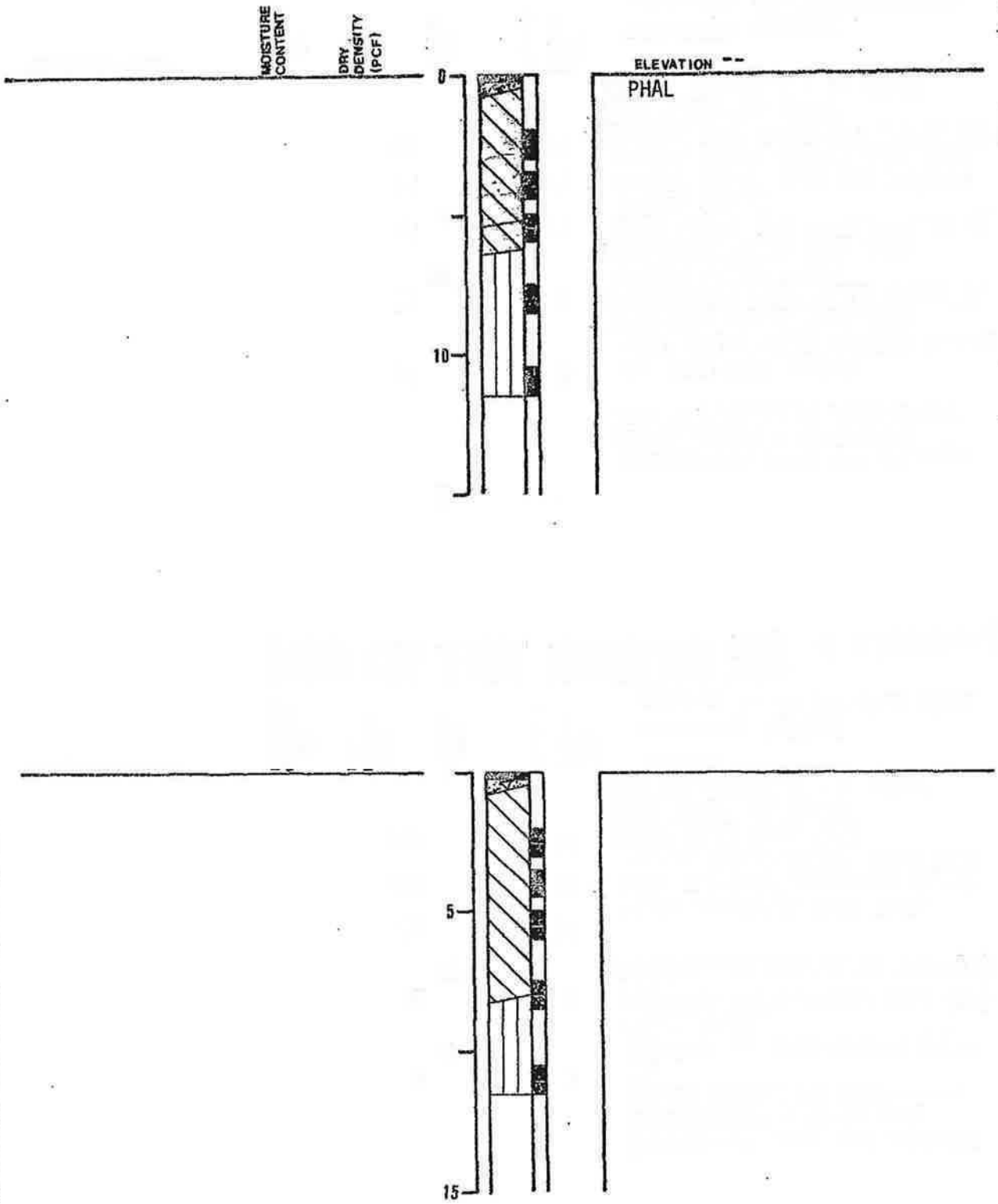

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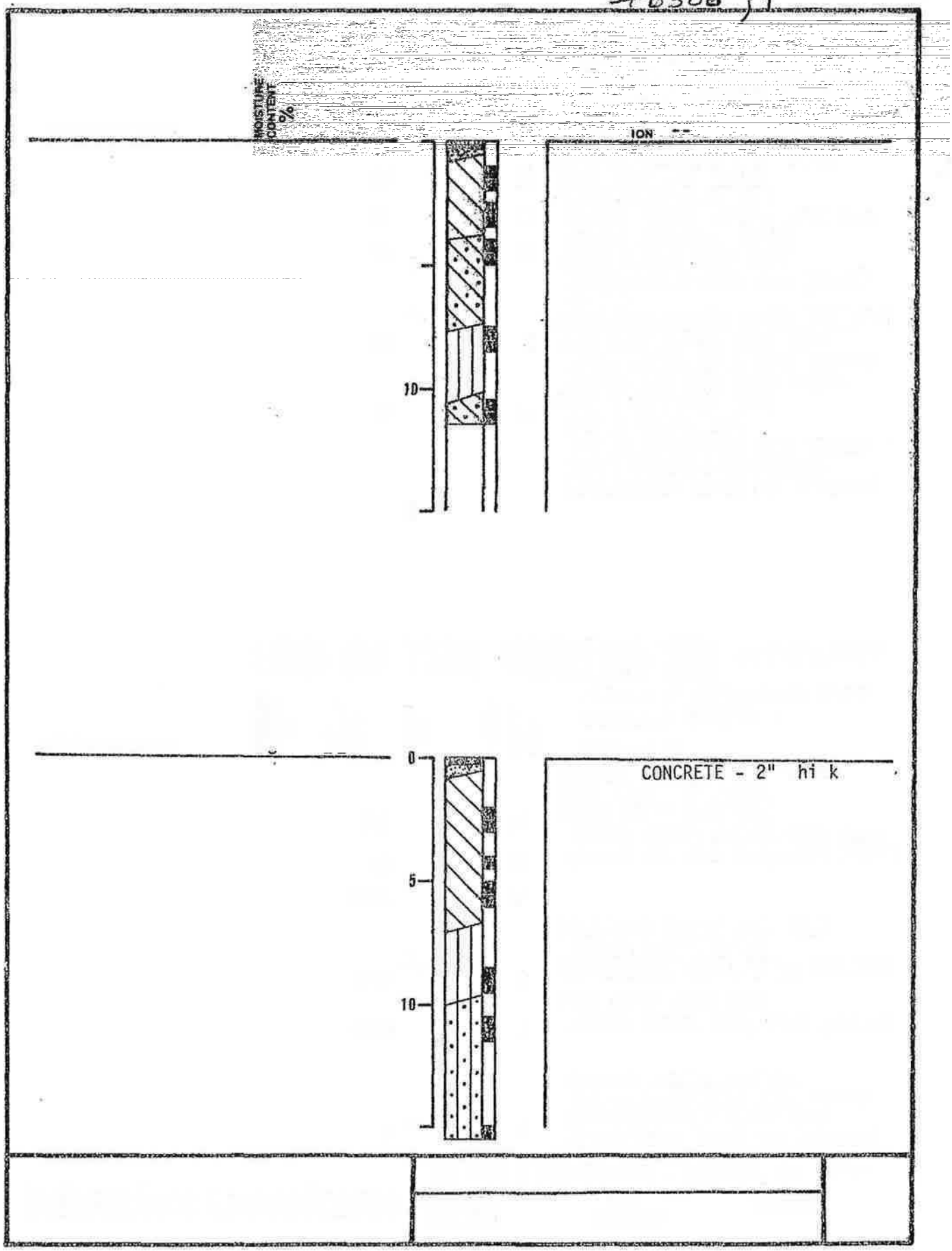

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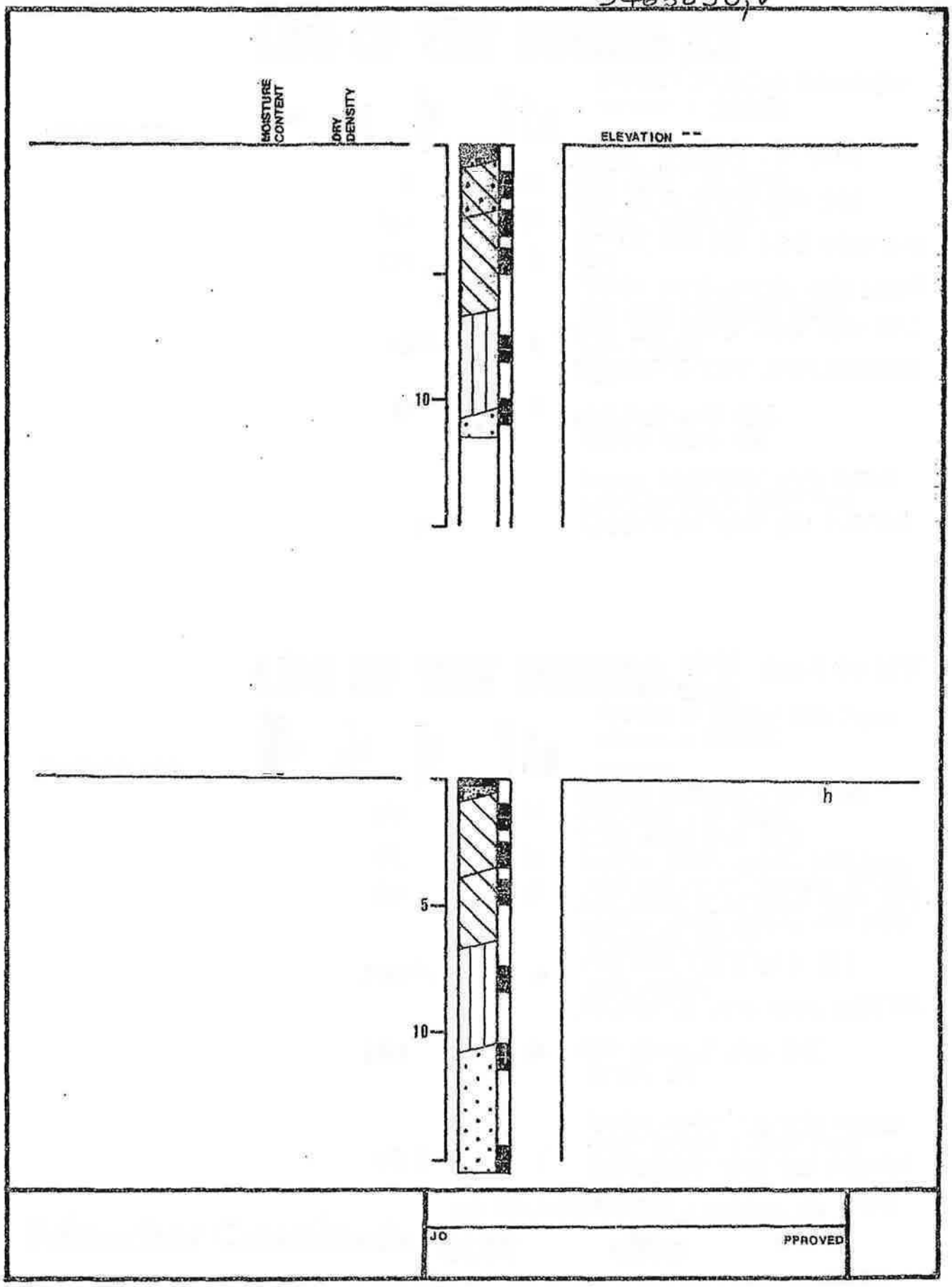

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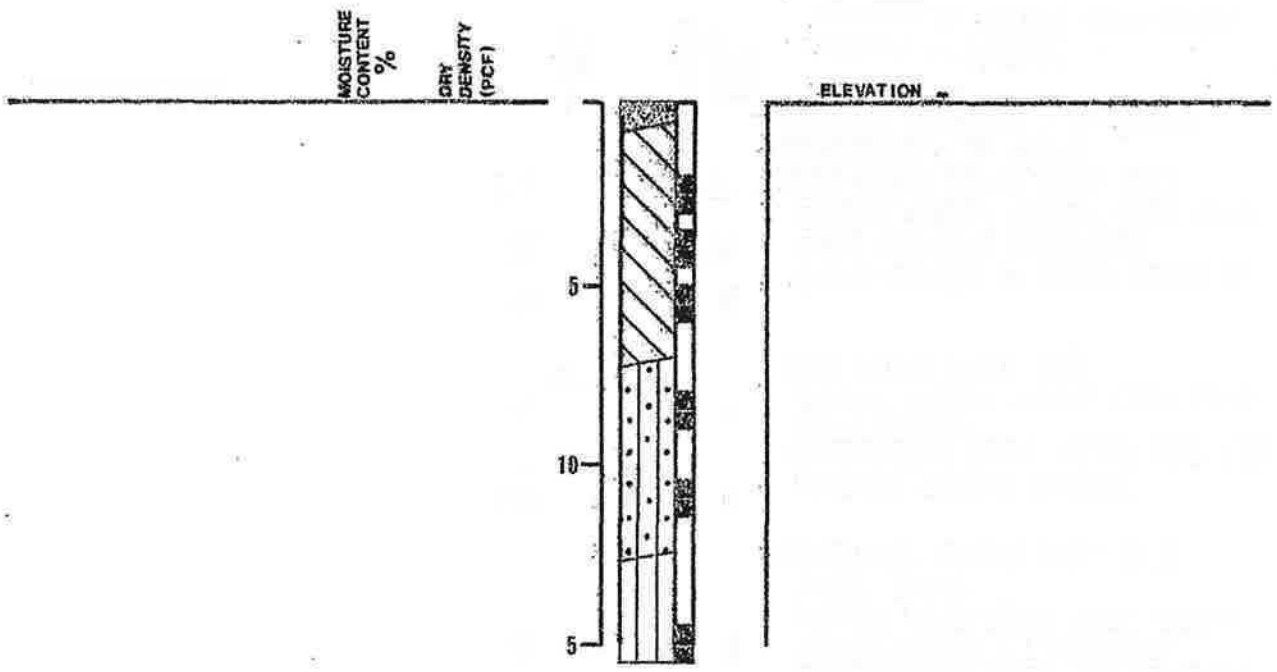

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WELL COMPLETION REPORT
(WELL LOGS)

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MOISTURE CONTENT %

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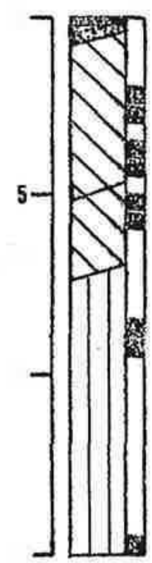

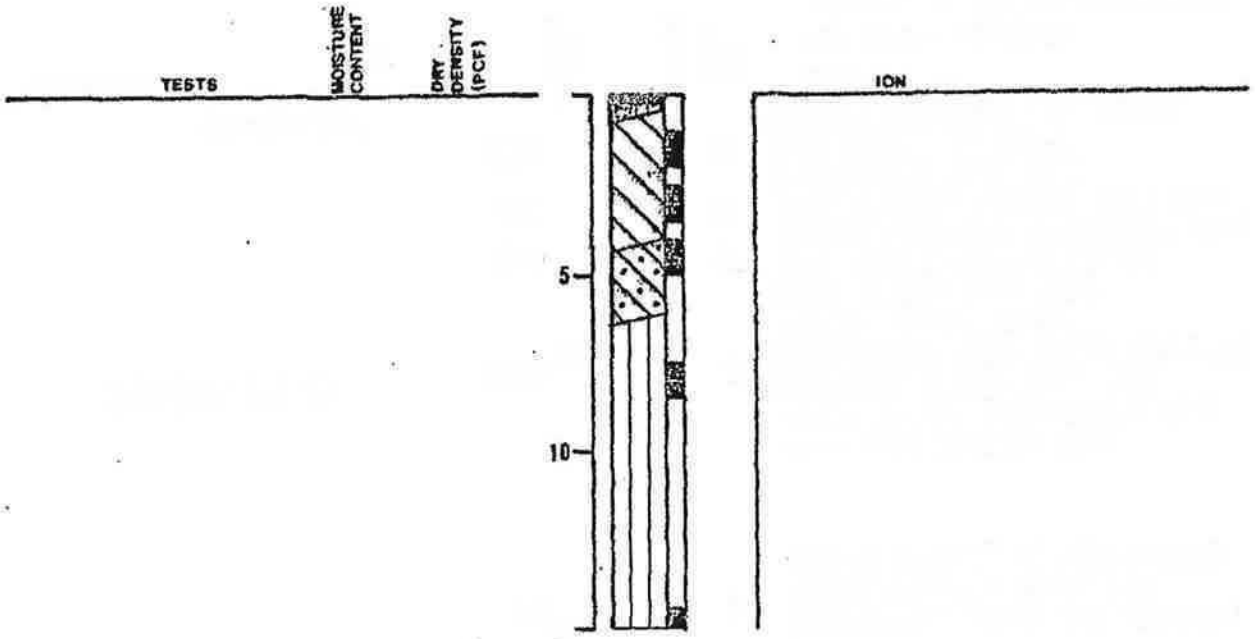
TESTS
MOISTURE CONTENT
DRY DENSITY (PCF)
ION
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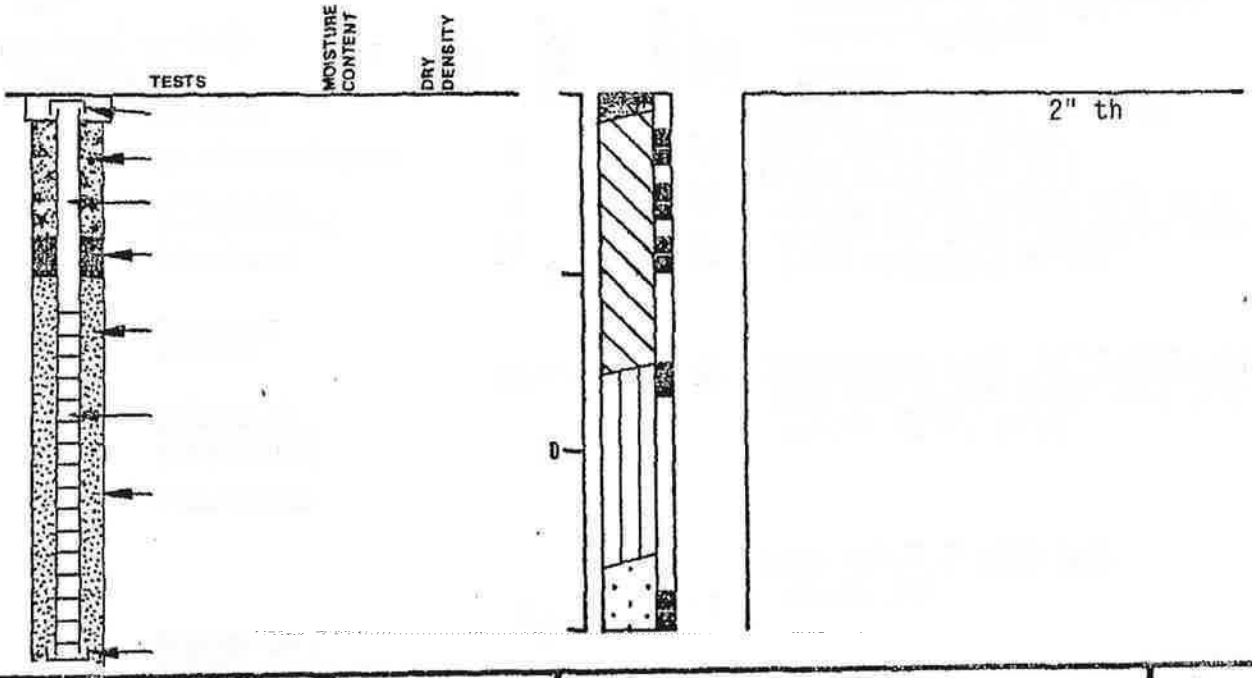
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MOISTURE CONTENT
DRY DENSITY
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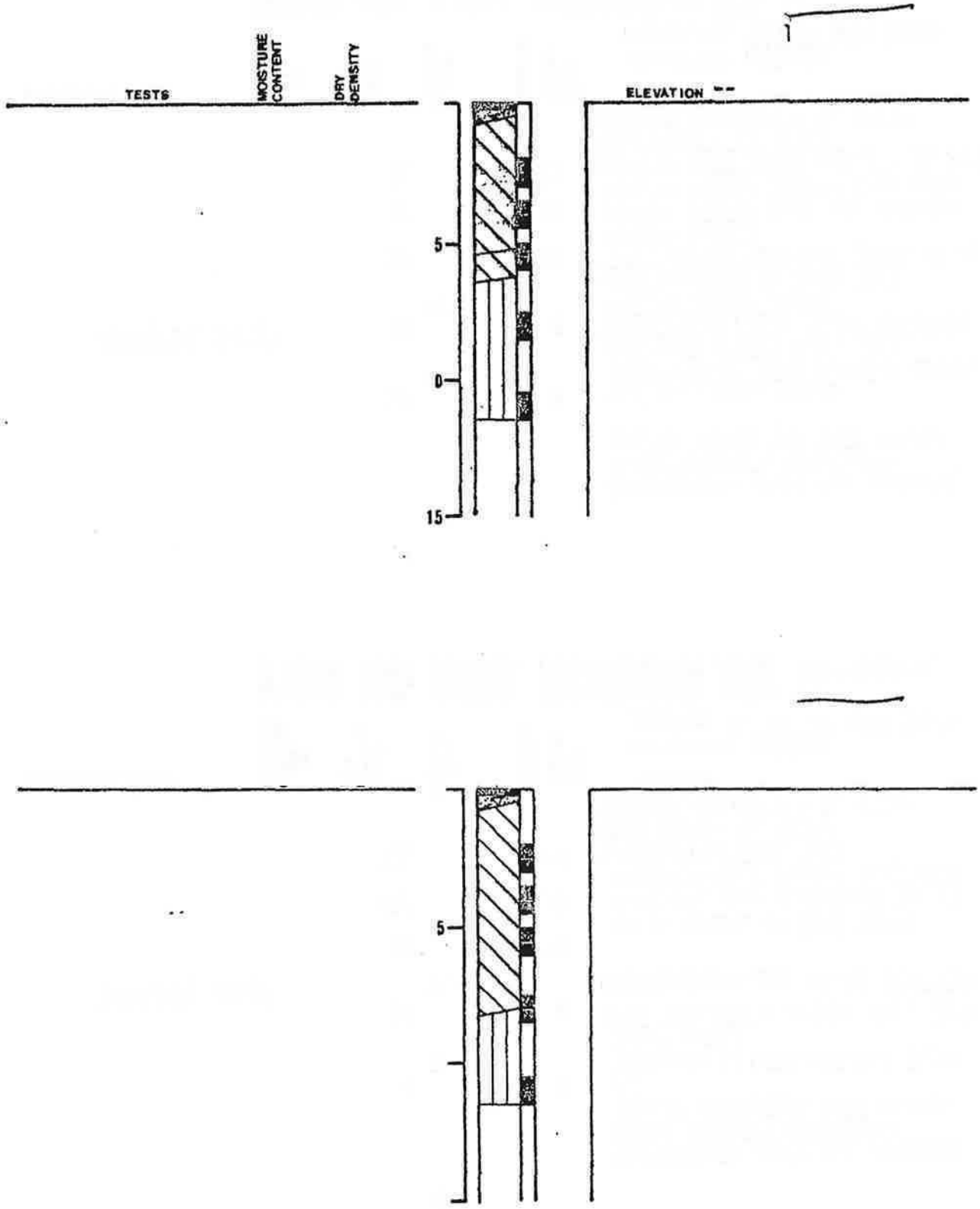
TESTS
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DRY DENSITY
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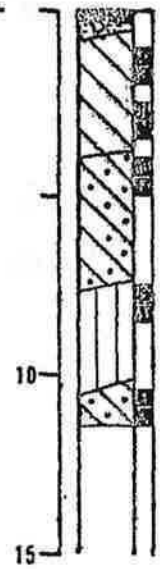
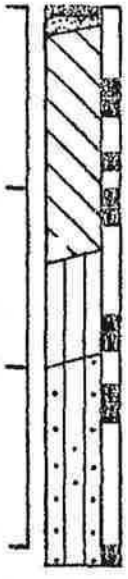
ELEVATION --





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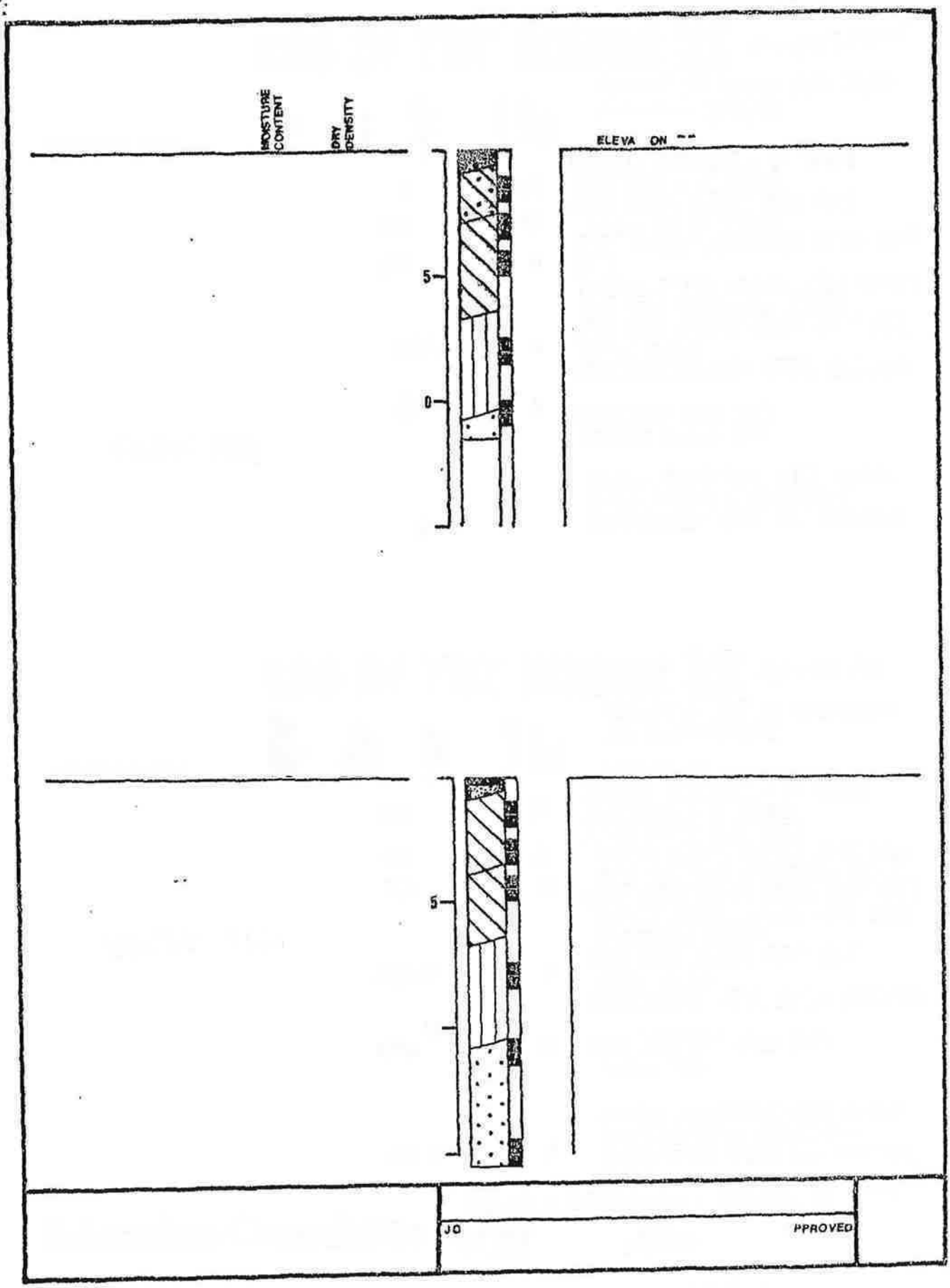
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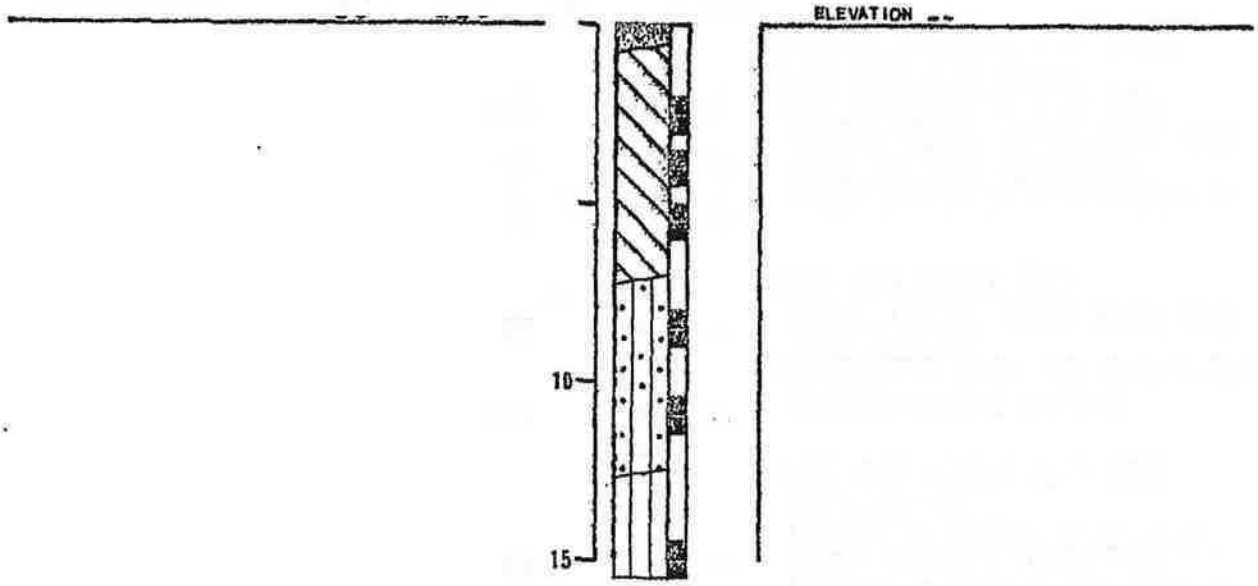

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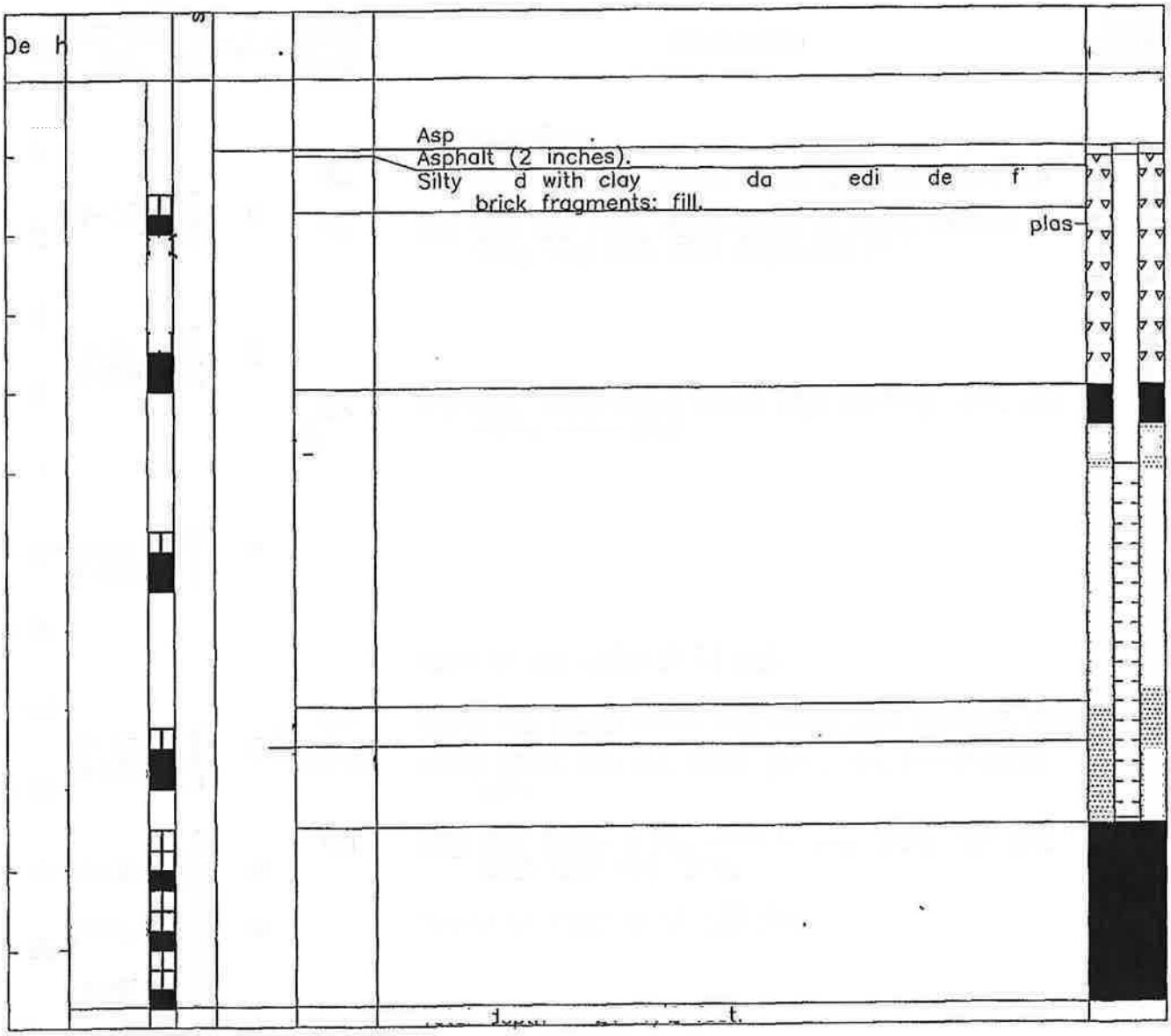

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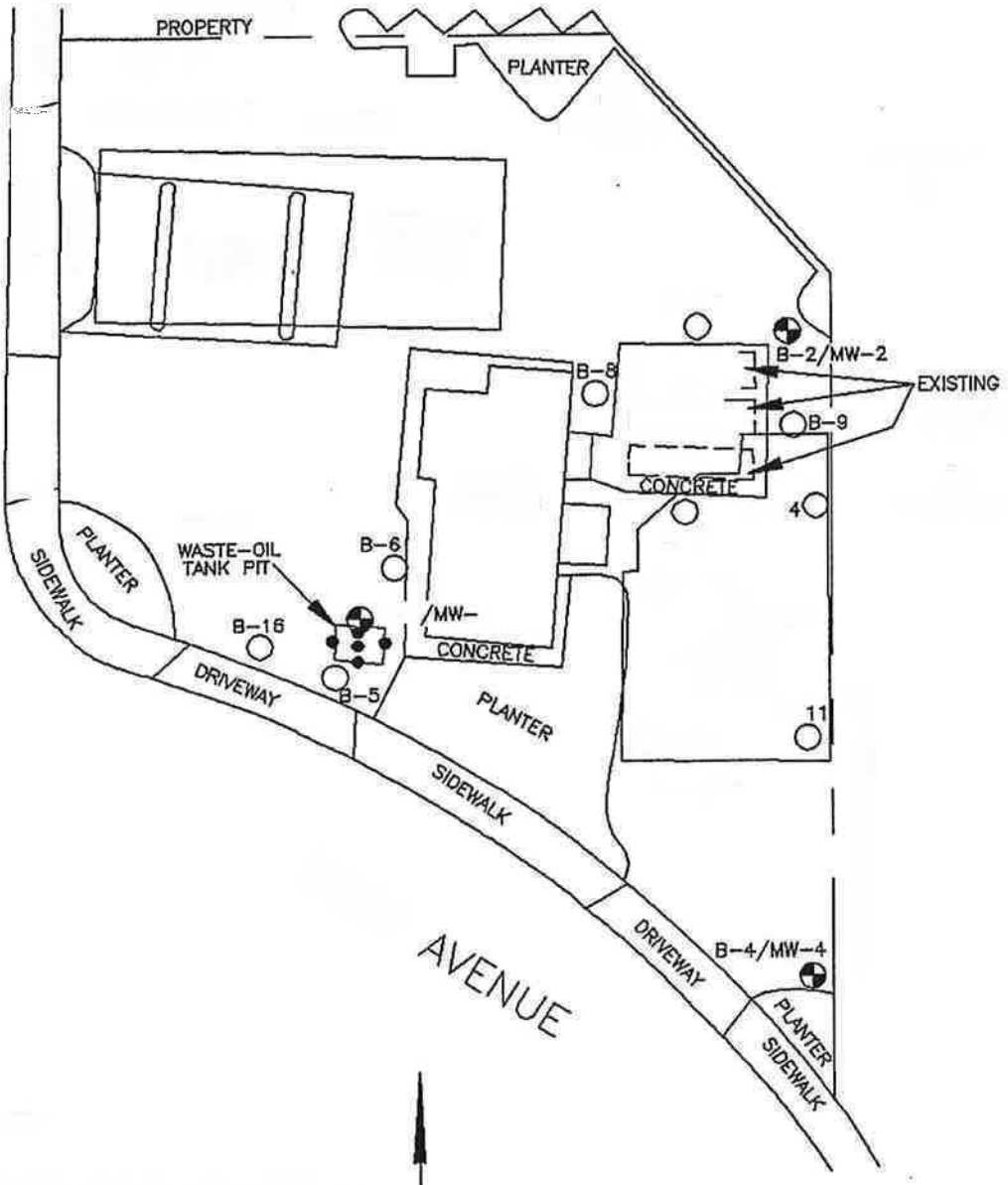
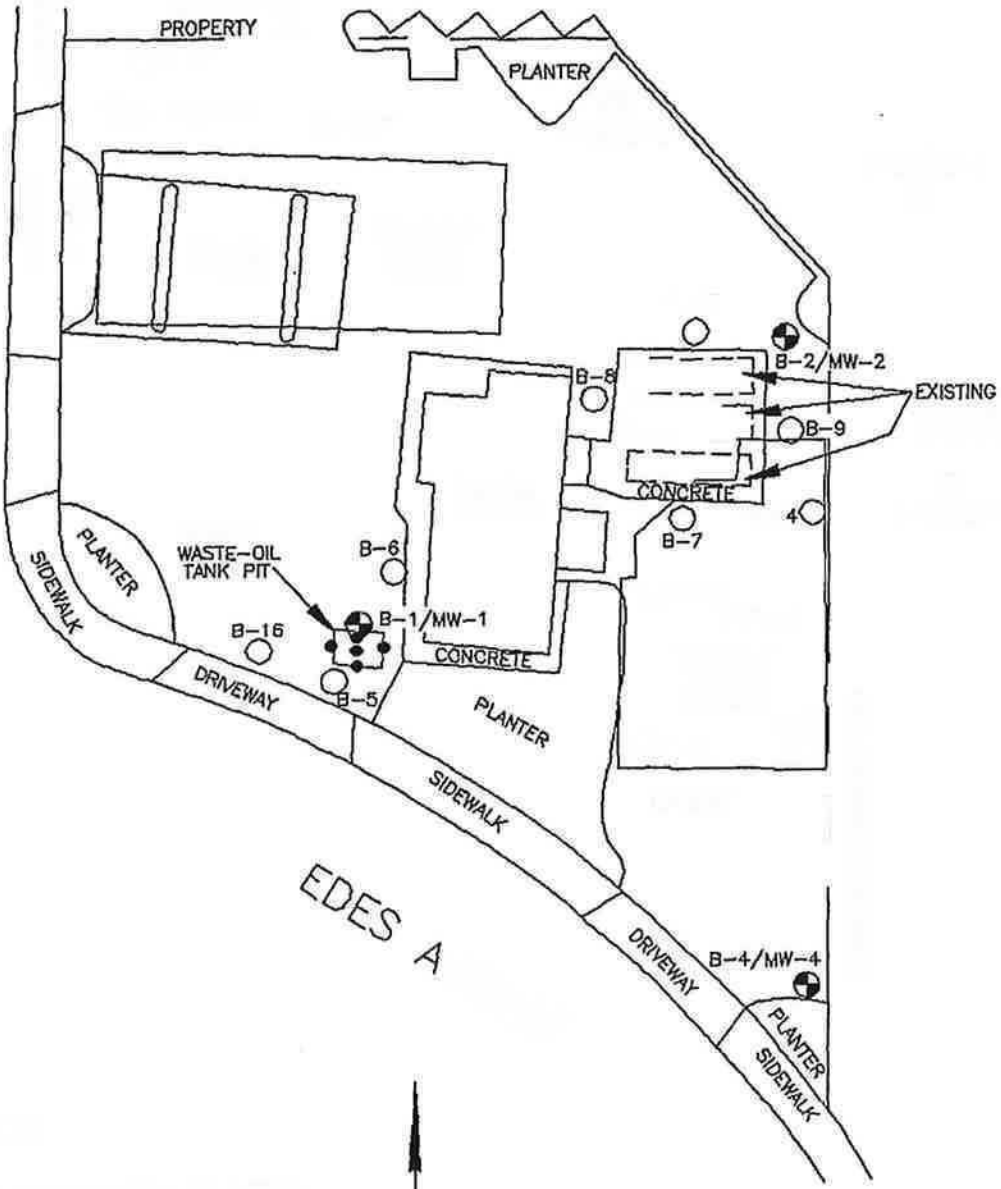
25/3 G16-18



Modified from plans supp
(dated August 12, 1982)
and City of Oakland Dep
(dated December 19, 19

25/3 21G16-18



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(dated August 12, 1982)
and City of Oakland Dept.
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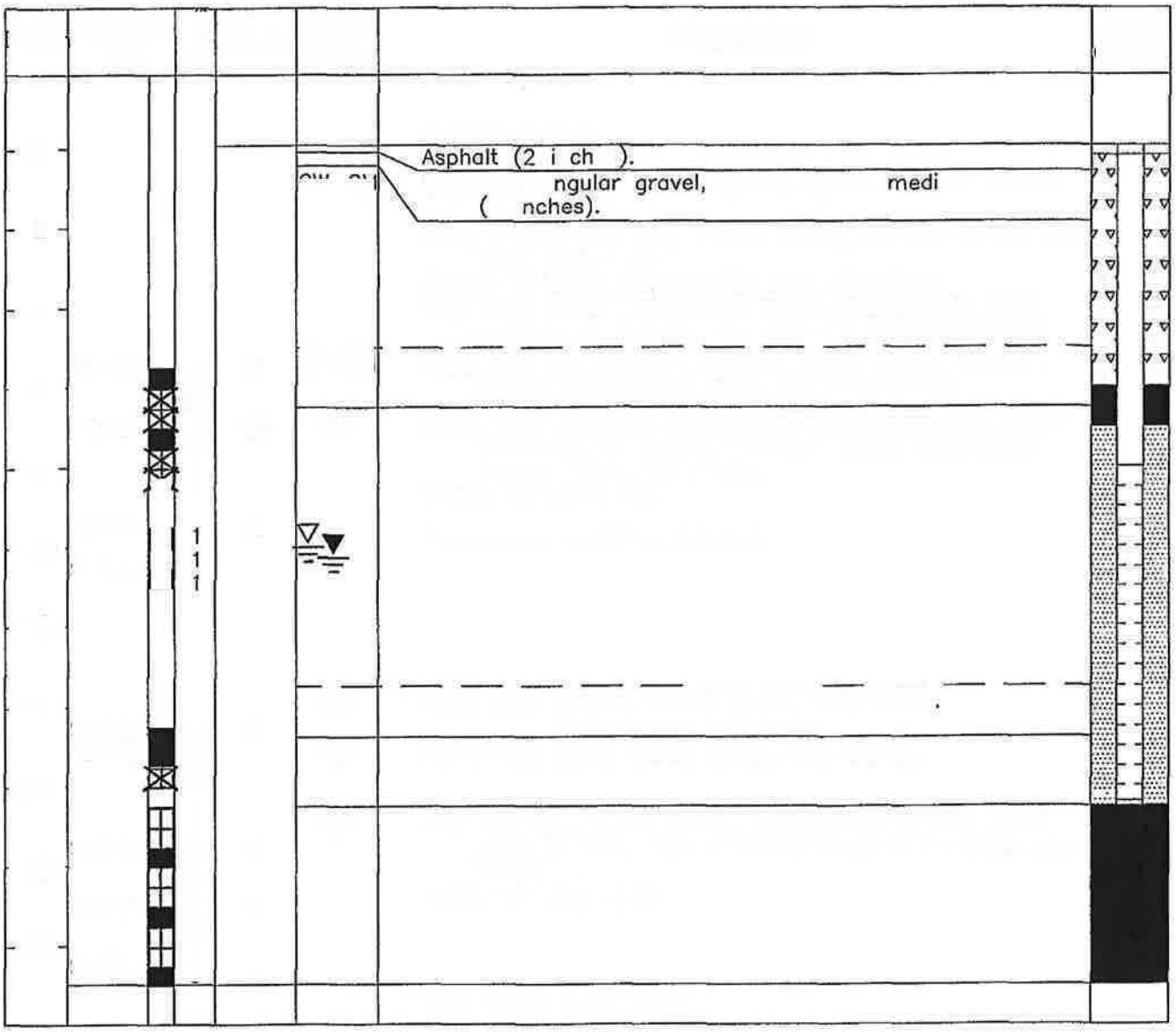

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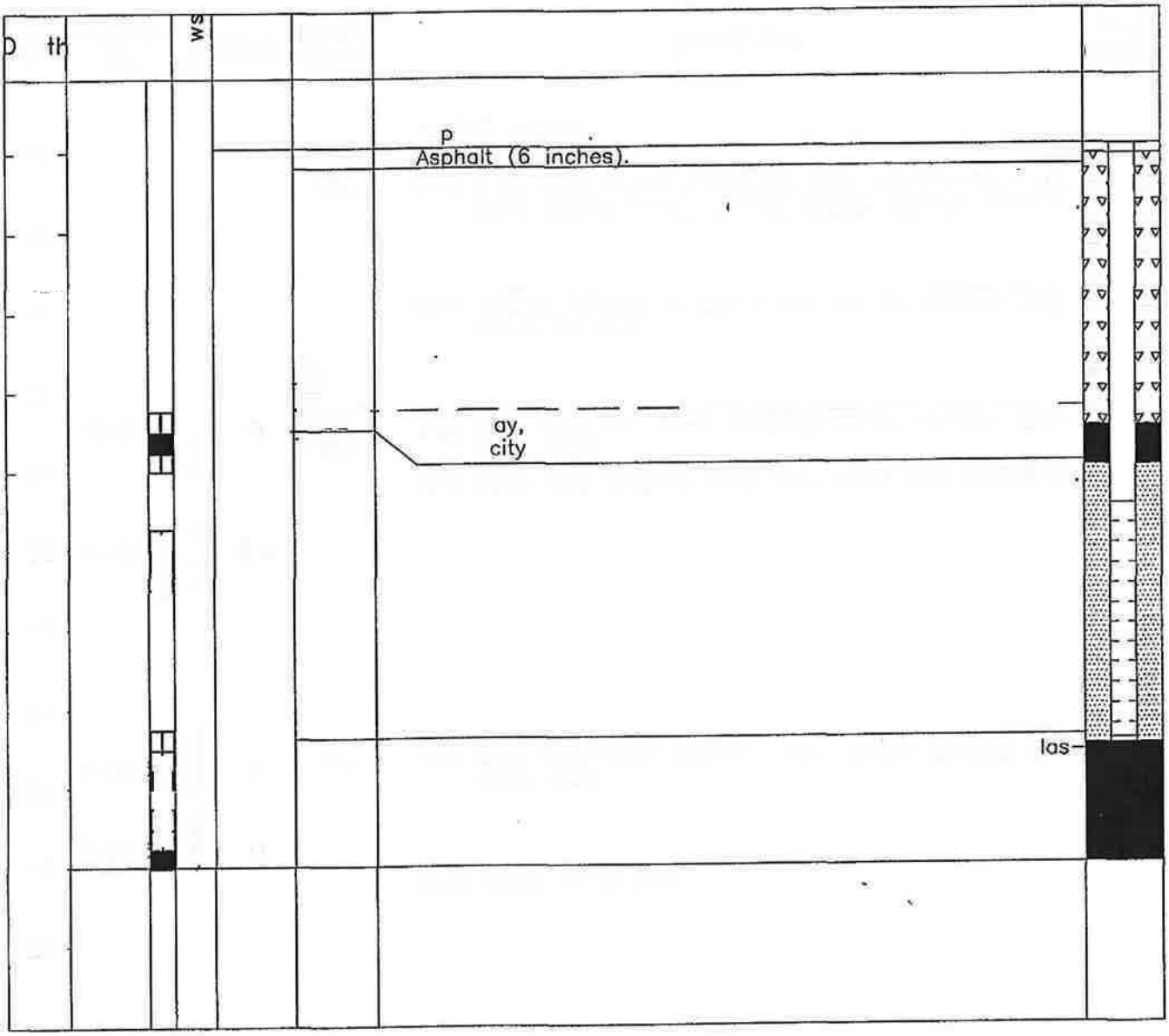

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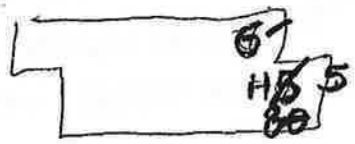
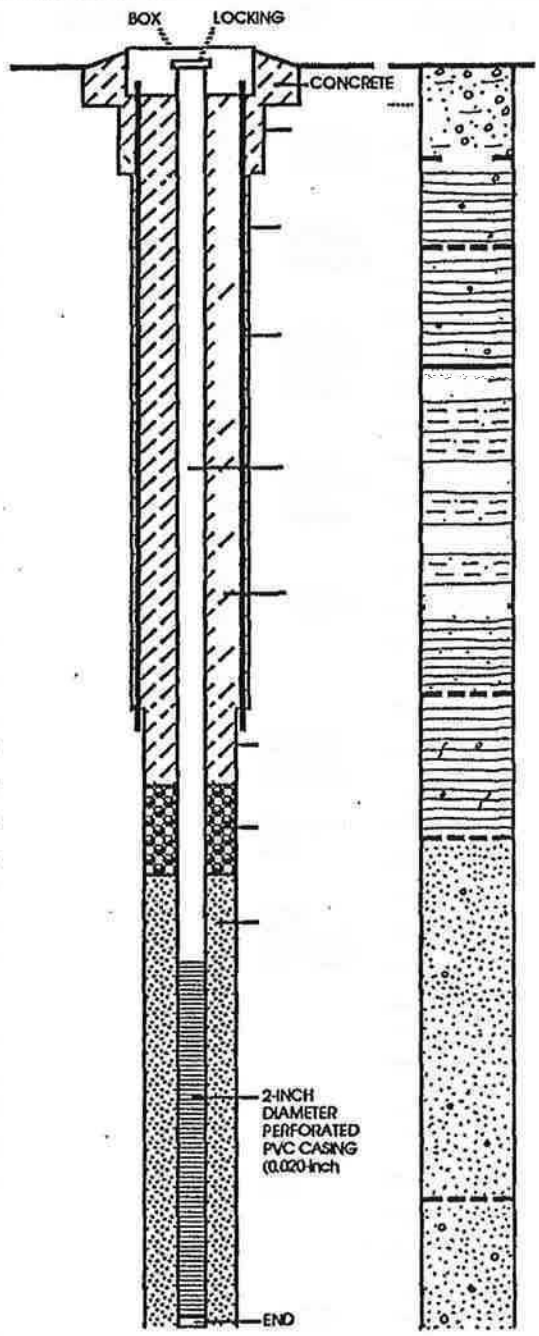
As requested, we are providing you
location and installation informat
located at 631 85th Avenue in Oak
logic and well construction logs
attached. After questions arose regarding the grout seal quality
1 LF-1 was destroyed by removing
with cement-bentonite grout.
jacent to the destroyed well in
standards.



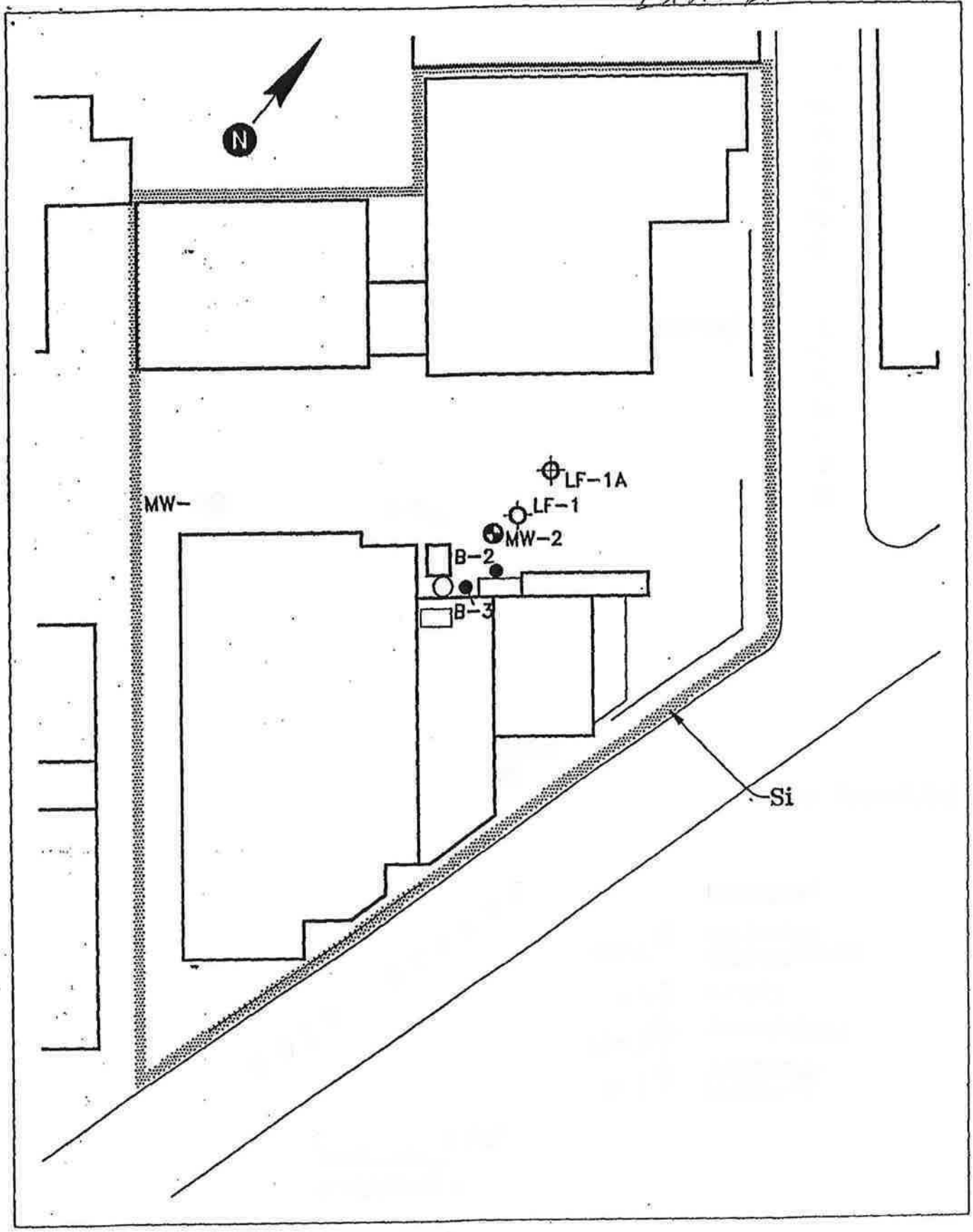


CLAY (CL), dark gray, moist, moderate plasticity, abundant organic matter a trace of coarse sand to fine gravel.

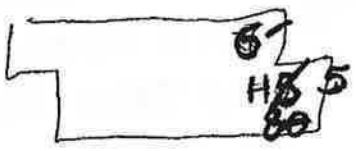
SANDY CLAYEY SILT (ML), light grayish brown, moist to wet, soft to moderately stiff, with about 10% fine very fine sand. OVM reading inside auger was 212

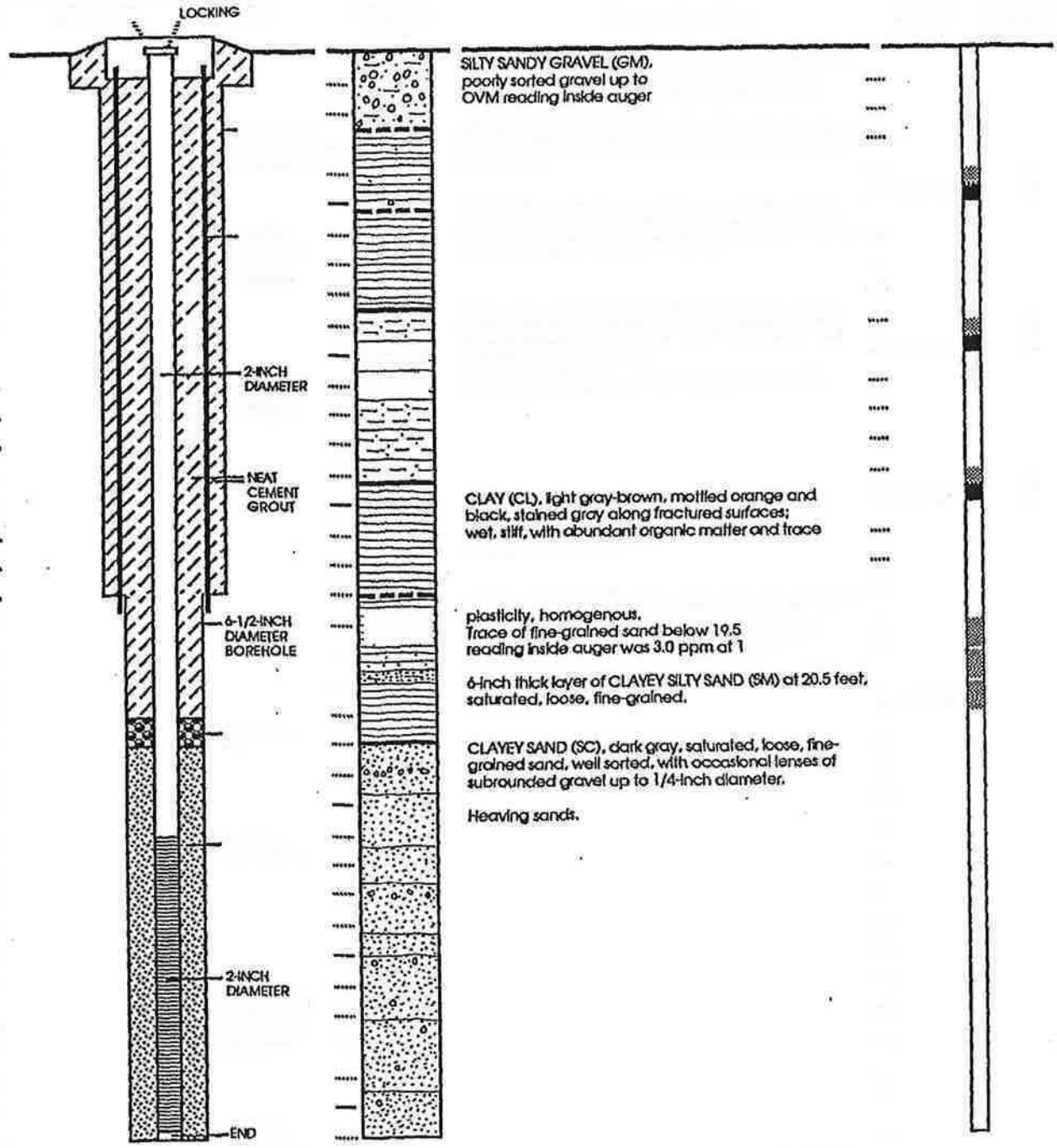
Destroyed well

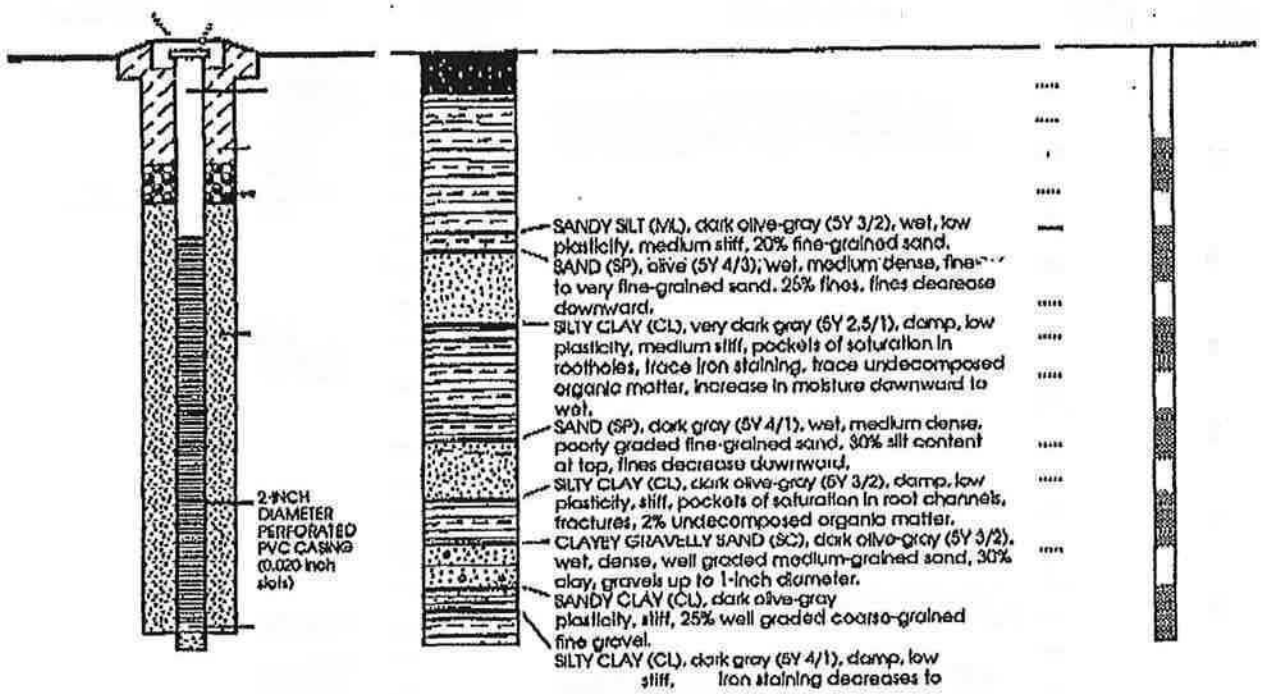
2S/3W 21H 7



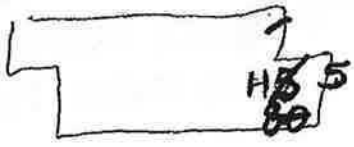
kland, California. The litho-
for well LF-1 and LF-1A are
regarding the grout seal quali
ll LF-1 was destroyed by removin
with cement-bentonite grout.
djacent to the destroyed well in
standards.

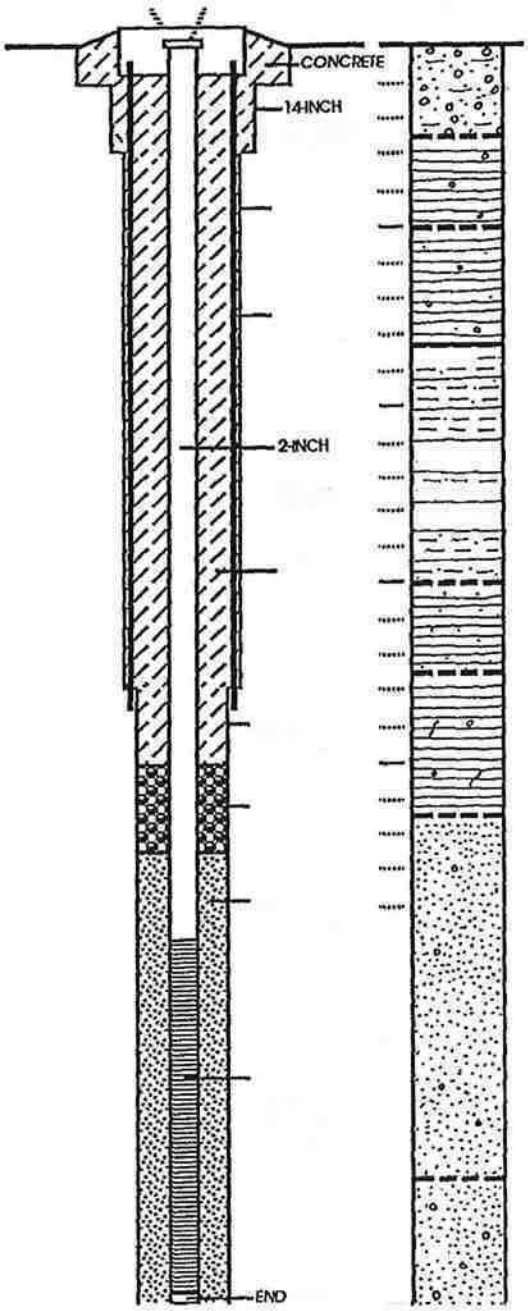



LOCKING
2-INCH DIAMETER
NEAT CEMENT GROUT
6-1/2-INCH DIAMETER BOREHOLE
2-INCH DIAMETER
END
SILTY SANDY GRAVEL (GM), poorly sorted gravel up to
OVM reading inside auger
CLAY (CL), light gray-brown, mottled orange and black, stained gray along fractured surfaces; wet, stiff, with abundant organic matter and trace
plasticity, homogenous.
Trace of fine-grained sand below 19.5
reading inside auger was 3.0 ppm at 1
6-inch thick layer of CLAYEY SILTY SAND (SM) at 20.5 feet, saturated, loose, fine-grained.
CLAYEY SAND (SC), dark gray, saturated, loose, fine-grained sand, well sorted, with occasional lenses of subrounded gravel up to 1/4-inch diameter.
Heaving sands.


2-INCH DIAMETER PERFORATED PVC CASING (0.020 inch slots)
SANDY SILT (ML), dark olive-gray (5Y 3/2), wet, low plasticity, medium stiff, 20% fine-grained sand.
SAND (SP), olive (5Y 4/3), wet, medium dense, fine- to very fine-grained sand, 25% fines, fines decrease downward.
SILTY CLAY (CL), very dark gray (5Y 2.5/1), damp, low plasticity, medium stiff, pockets of saturation in roothales, trace iron staining, trace undecomposed organic matter, increase in moisture downward to wet.
SAND (SP), dark gray (5Y 4/1), wet, medium dense, poorly graded fine-grained sand, 30% silt content at top, fines decrease downward.
SILTY CLAY (CL), dark olive-gray (5Y 3/2), damp, low plasticity, stiff, pockets of saturation in root channels, fractures, 2% undecomposed organic matter.
CLAYEY GRAVELLY SAND (SC), dark olive-gray (5Y 3/2), wet, dense, well graded medium-grained sand, 30% clay, gravels up to 1-inch diameter.
SANDY CLAY (CL), dark olive-gray plasticity, stiff, 25% well graded coarse-grained fine gravel.
SILTY CLAY (CL), dark gray (5Y 4/1), damp, low
stiff, Iron staining decreases to

located at 631 85th Avenue in Oak
logic and well construction logs
attached. After questions arose regarding the grout seal quality around the conductor casing, well LF-1 was destroyed by removing the casing and filling the hole with cement-bentonite grout. Well LF-1A was then installed adjacent to the destroyed well in
standards.





CLAY (CL), dark gray, moist, moderate plasticity, abundant organic matter a trace of coarse sand to fine gravel.

SANDY CLAYEY SILT (ML), light grayish brown, moist to wet, soft to moderately stiff, with about 10% fine very fine sand. OVM reading inside auger was 212

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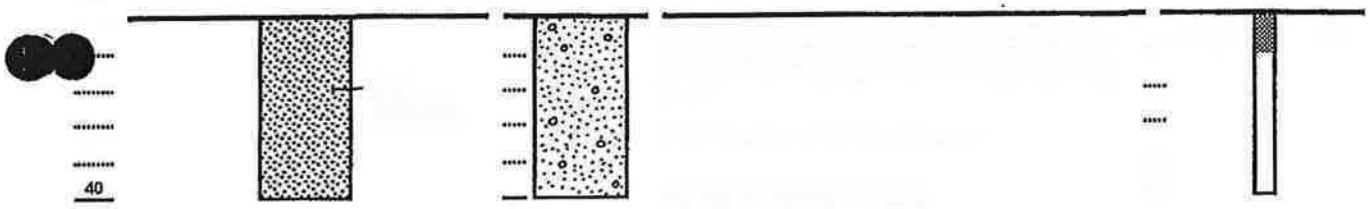
destroyed well

Destroyed 11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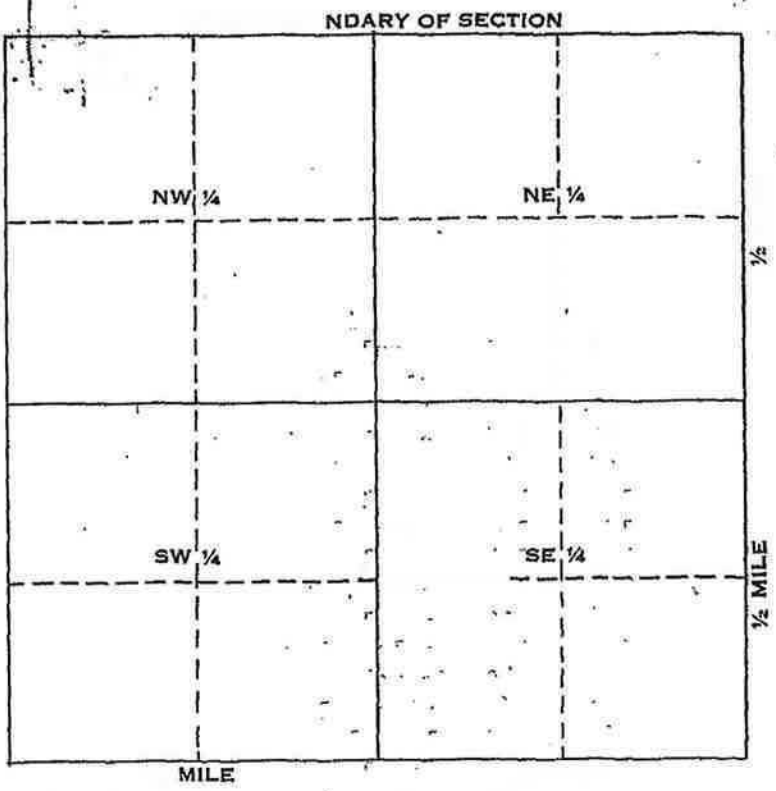
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E/W

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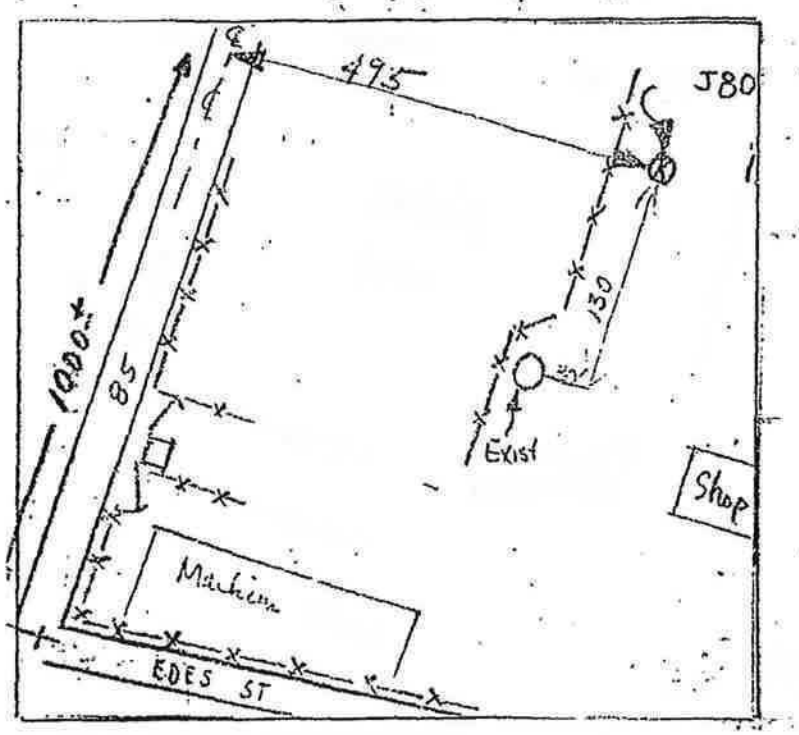
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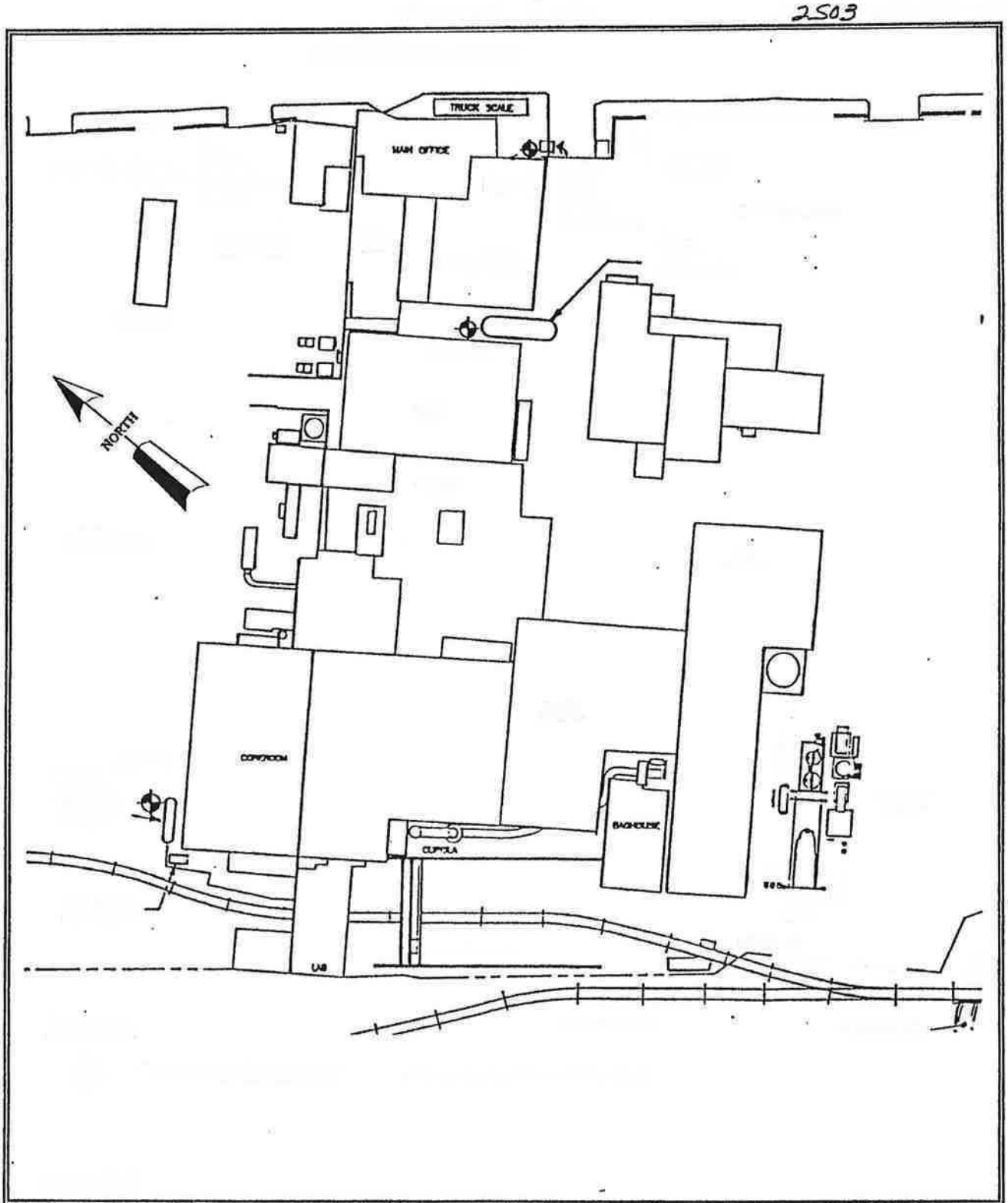

BSK
& ASSOCIATES

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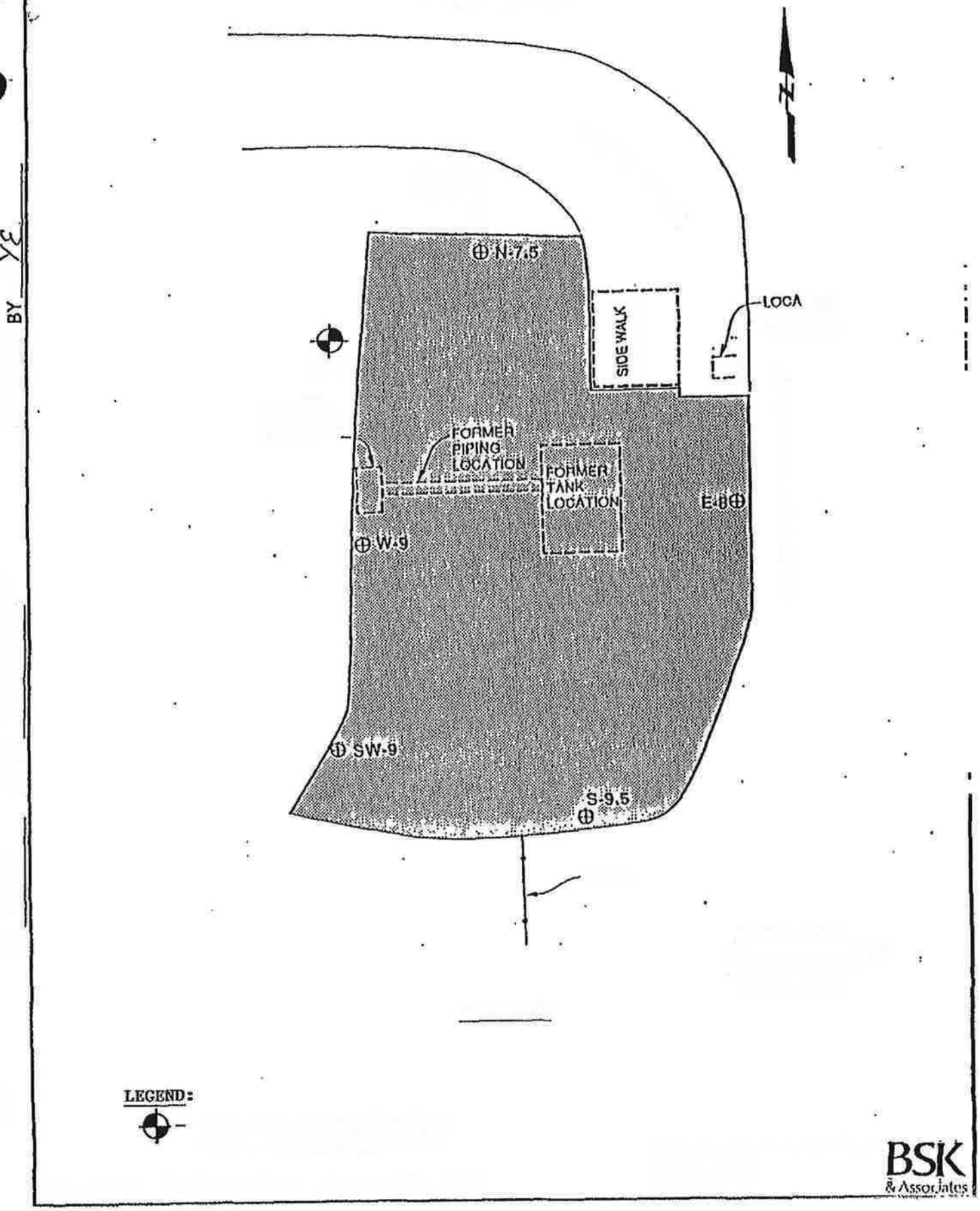
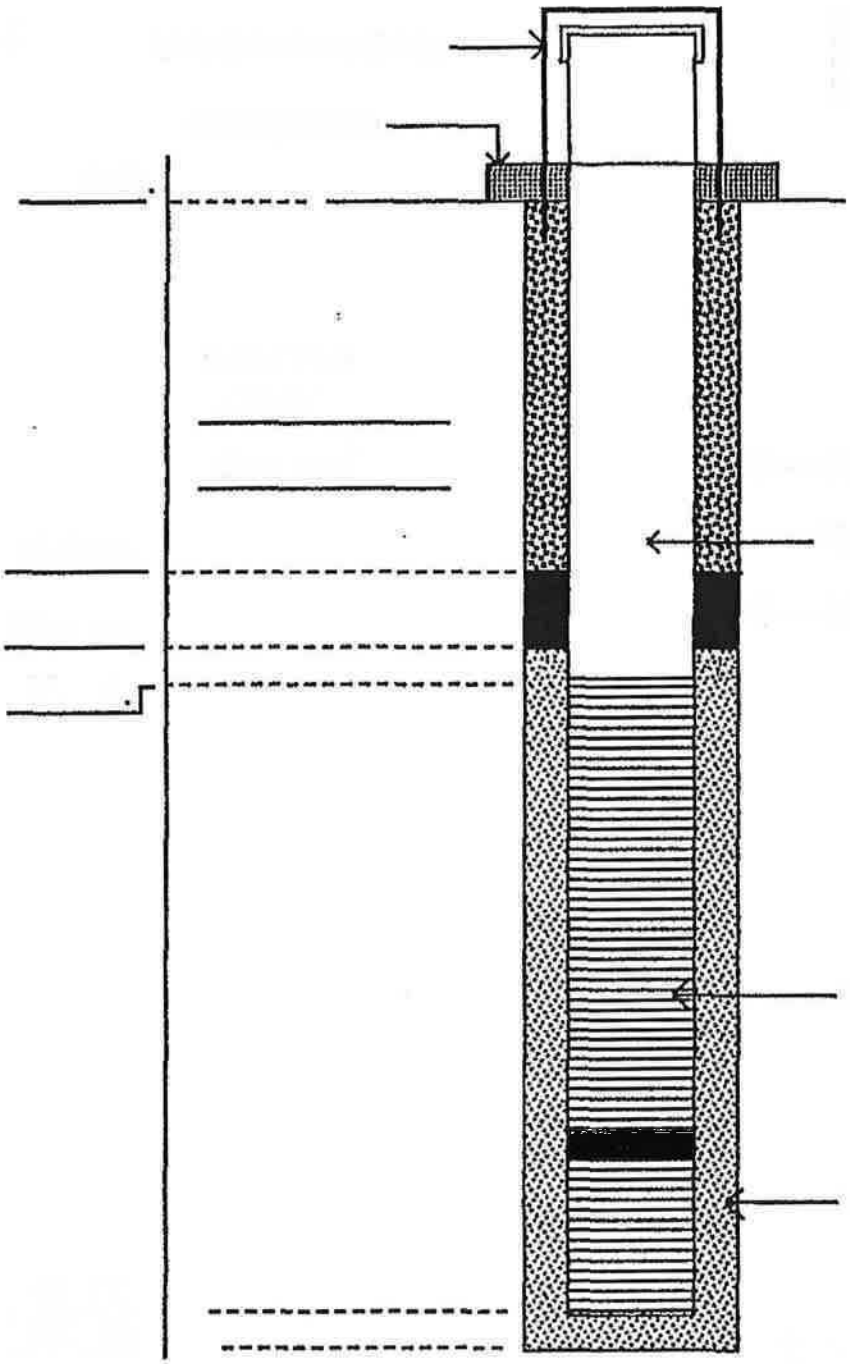


BSK & Associates

MW-1
P92276.3
1/19/92



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Layne

Layne Company

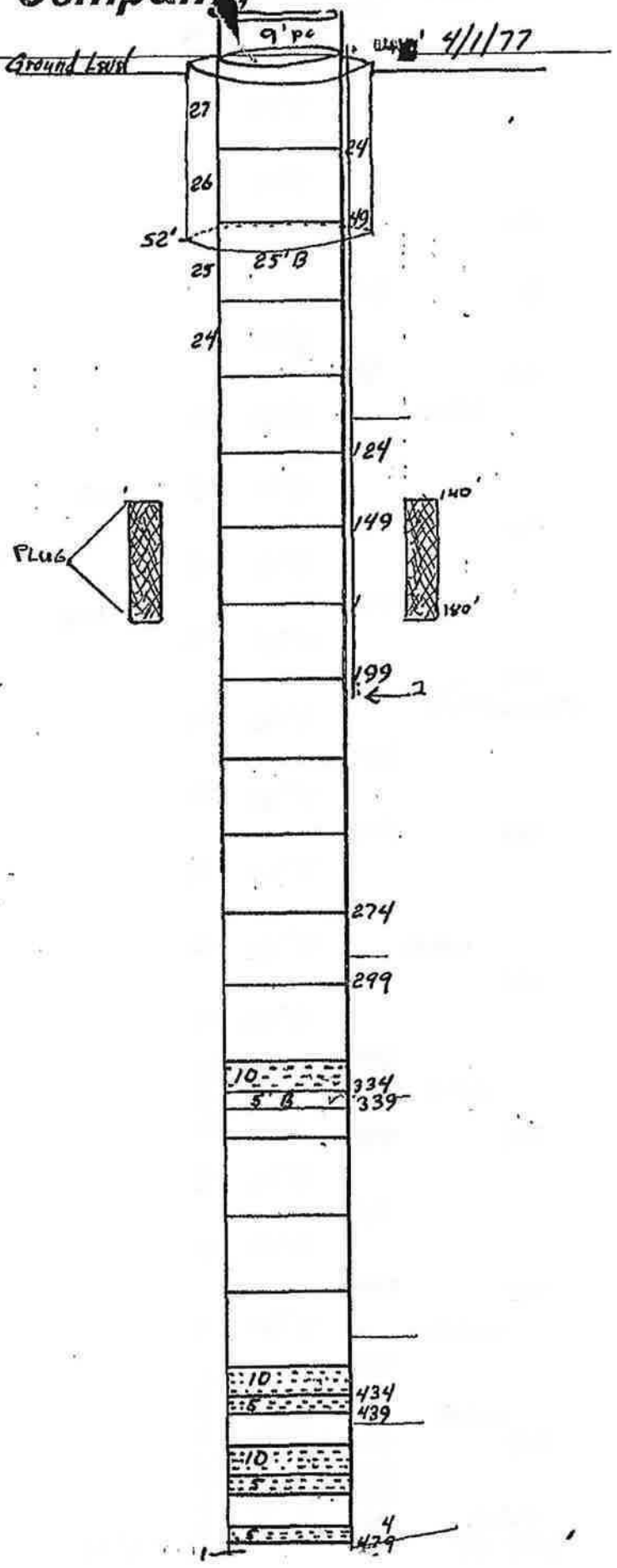
American Brass Iron

Ground Level

4/1/77

Casing Size

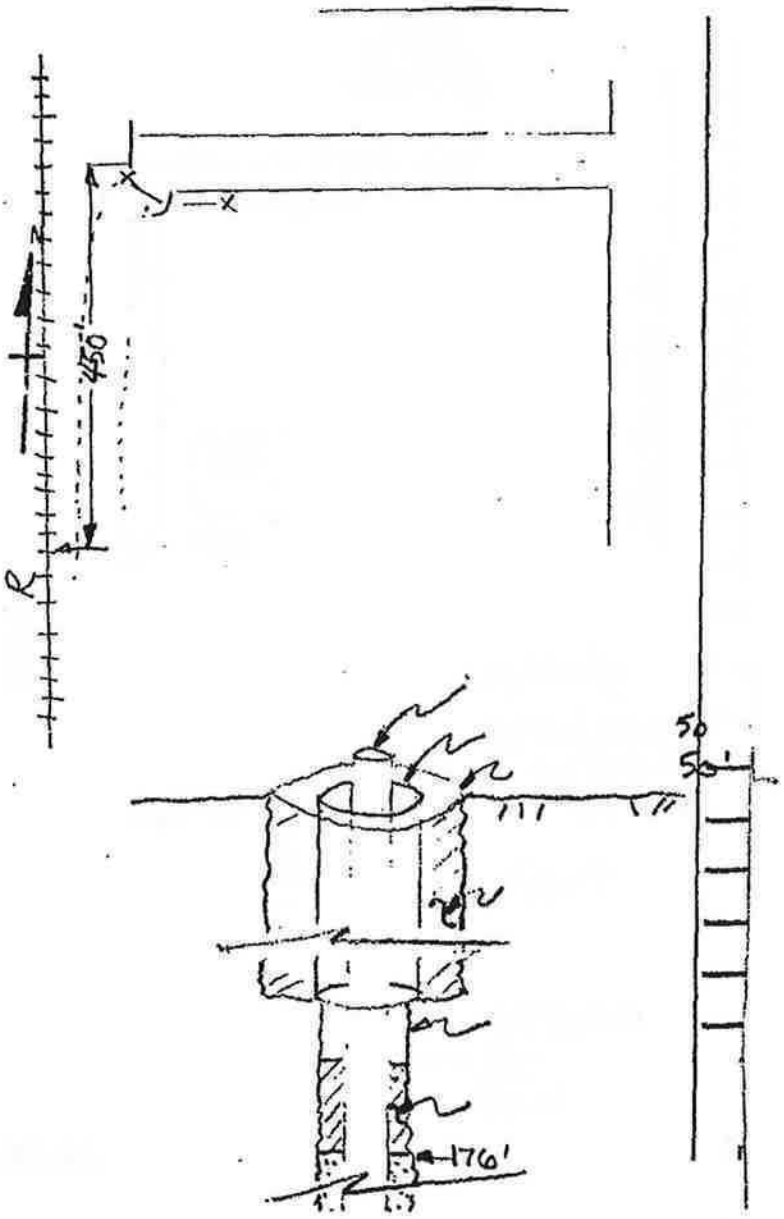
14" OD 1/4 S.W. Blank Collared
14" OD 50 slot Johnson Screen
30" Conductor



Birdseye

Pea Gravel

Casing installation supervised by: _____


450'
50
50'
176'

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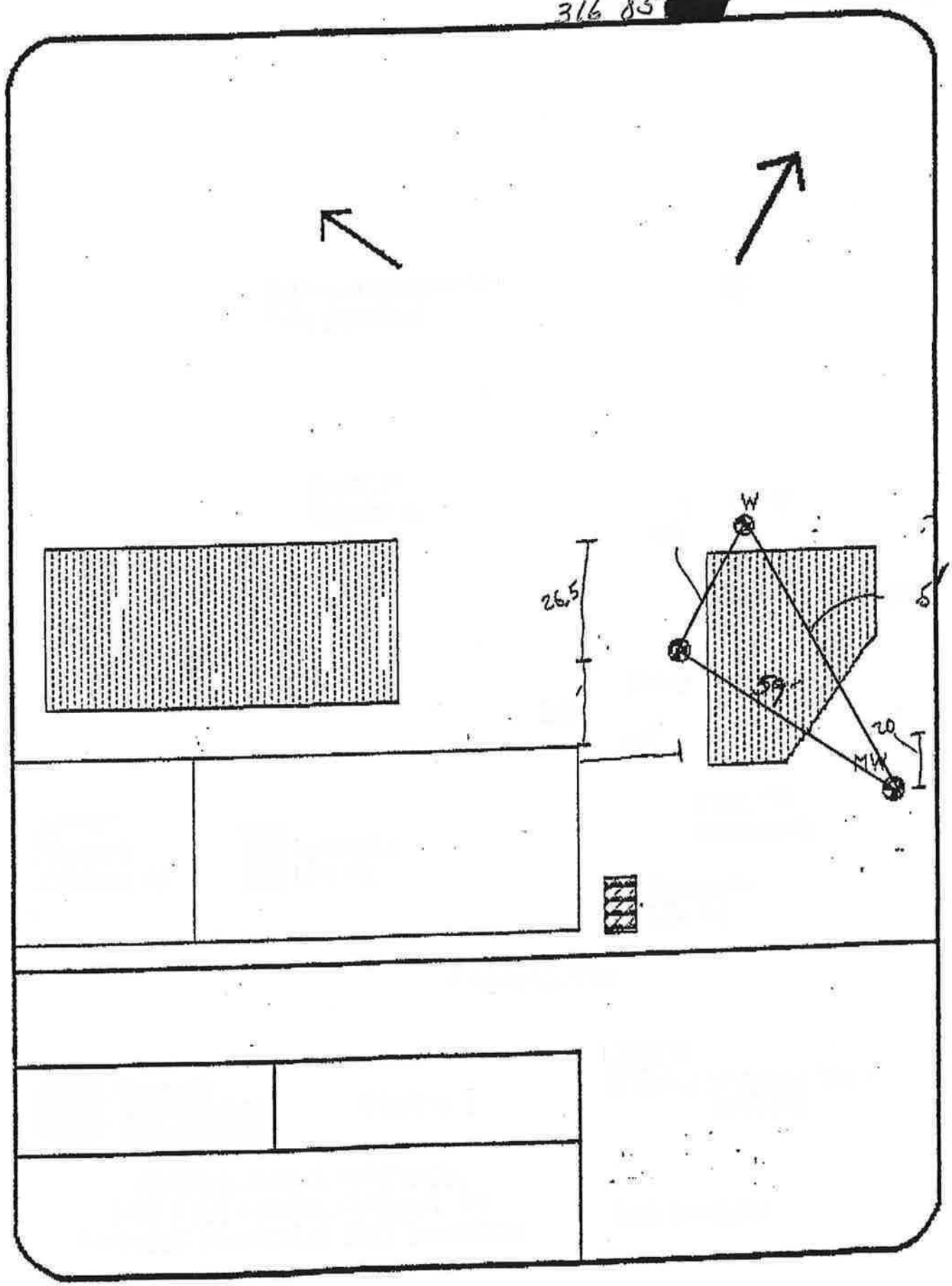
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

316 85 A



OJECT & PRO
88 552 / Mothers Cookies

LO IO
Oakland, CA

MW 1

Bob Pr

DR LLING FOREMAN
BAE / Scott Fichie

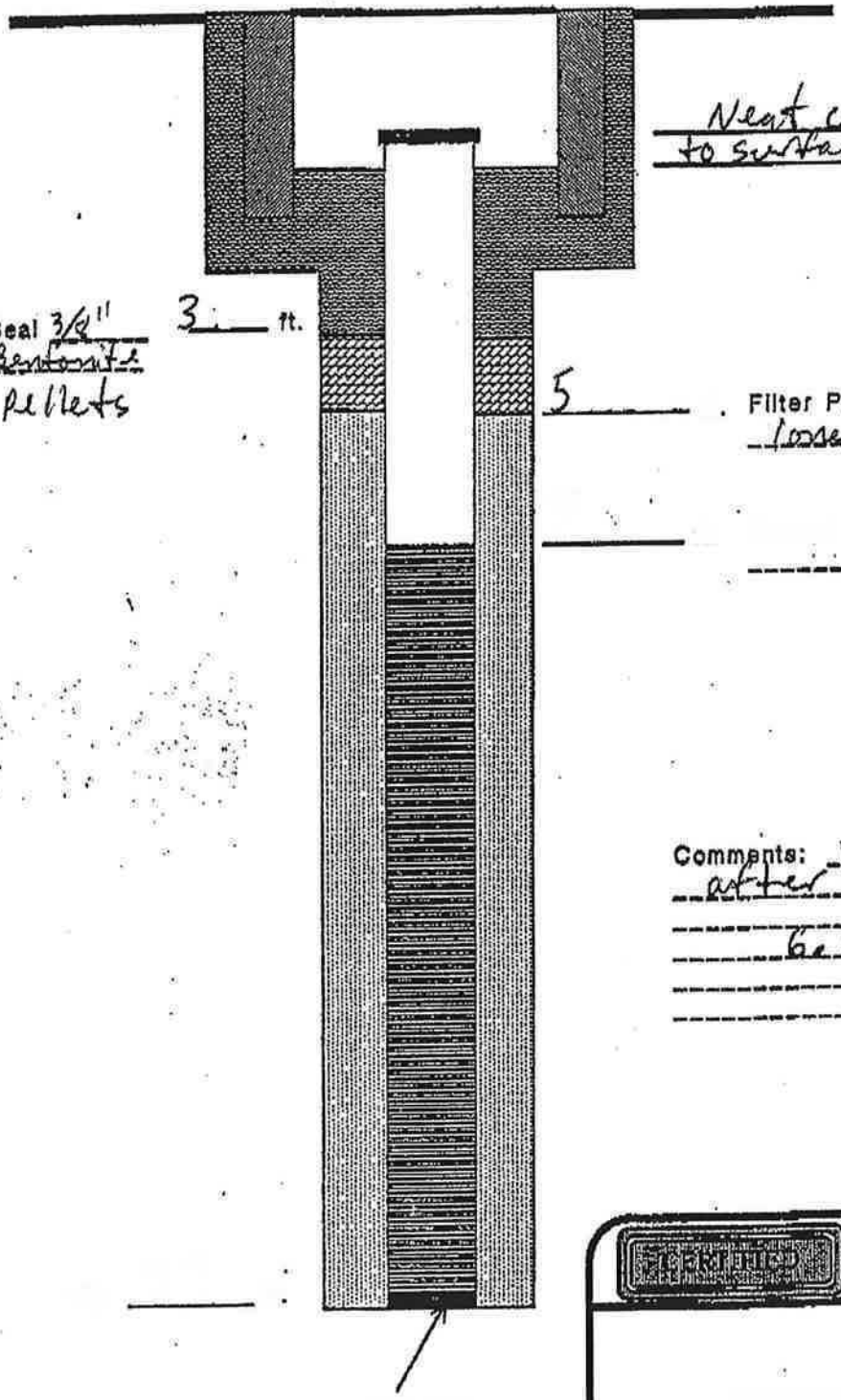
DRILL ME MODEL
Hollow stem Auger / CME55

AMPL ET SI
Cal. mod. splitspoon

GE IST
B. WEBB

LAB R ORY
McCampbell

STI		me	dor						
	5							m	
	12								
	19								
	4				fa		Brown		
	8								
	9								
	8								
	12								gradational contact from
	14			S	Fine grained silty sand		low	sa	silty clay to fine grained silty sand
	20								well graded sand with gravel gravel clasts (ular to subrounded)
	25			W	well graded sand w/ gravel			m/m	
	32								
	4					Dense			
	14								
	22								



Neat cement to surface

Seal 3/8" Bentonite pellets 3 ft.

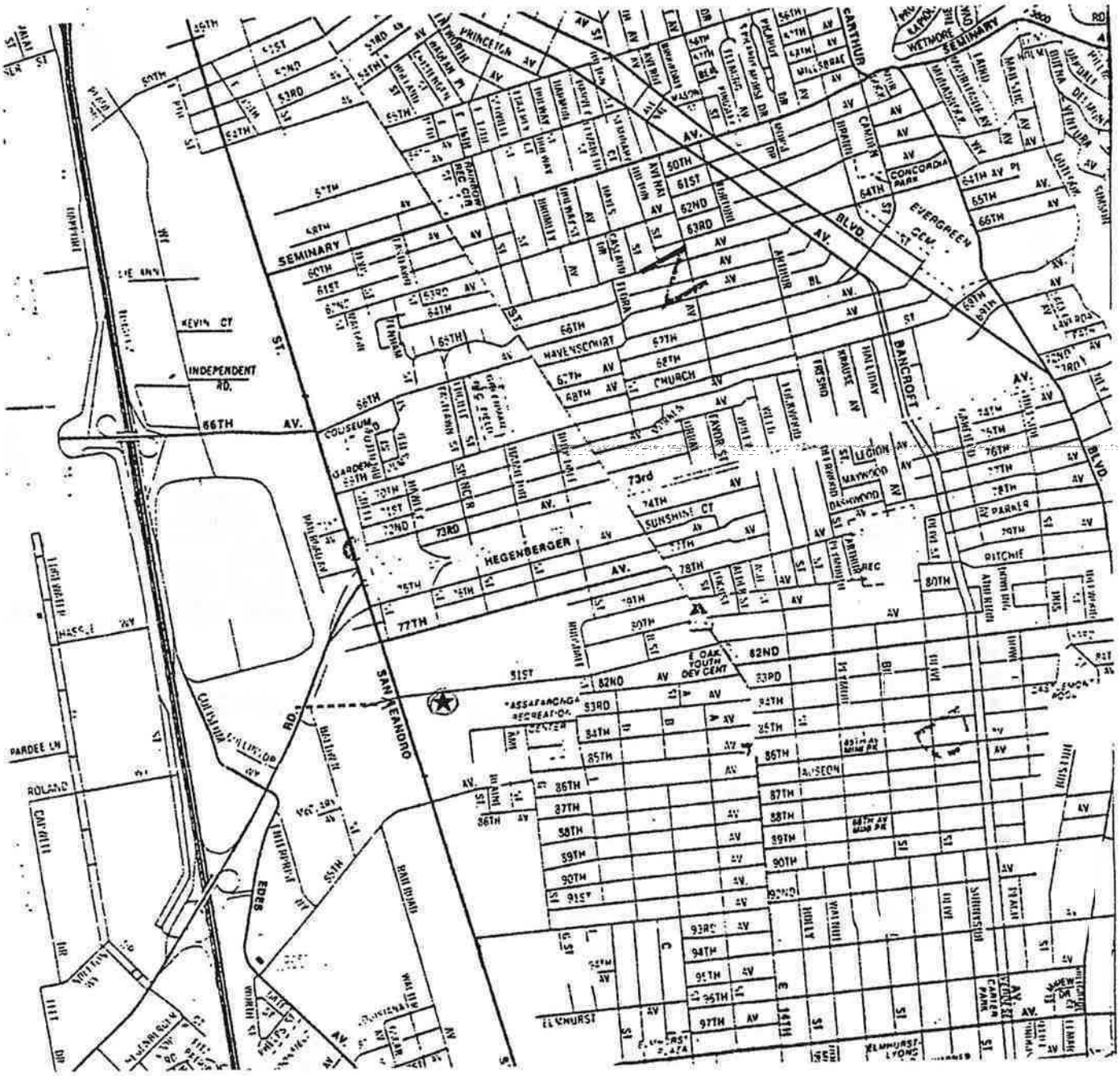
5 . Filter Pack #2X12 Lonestar

0

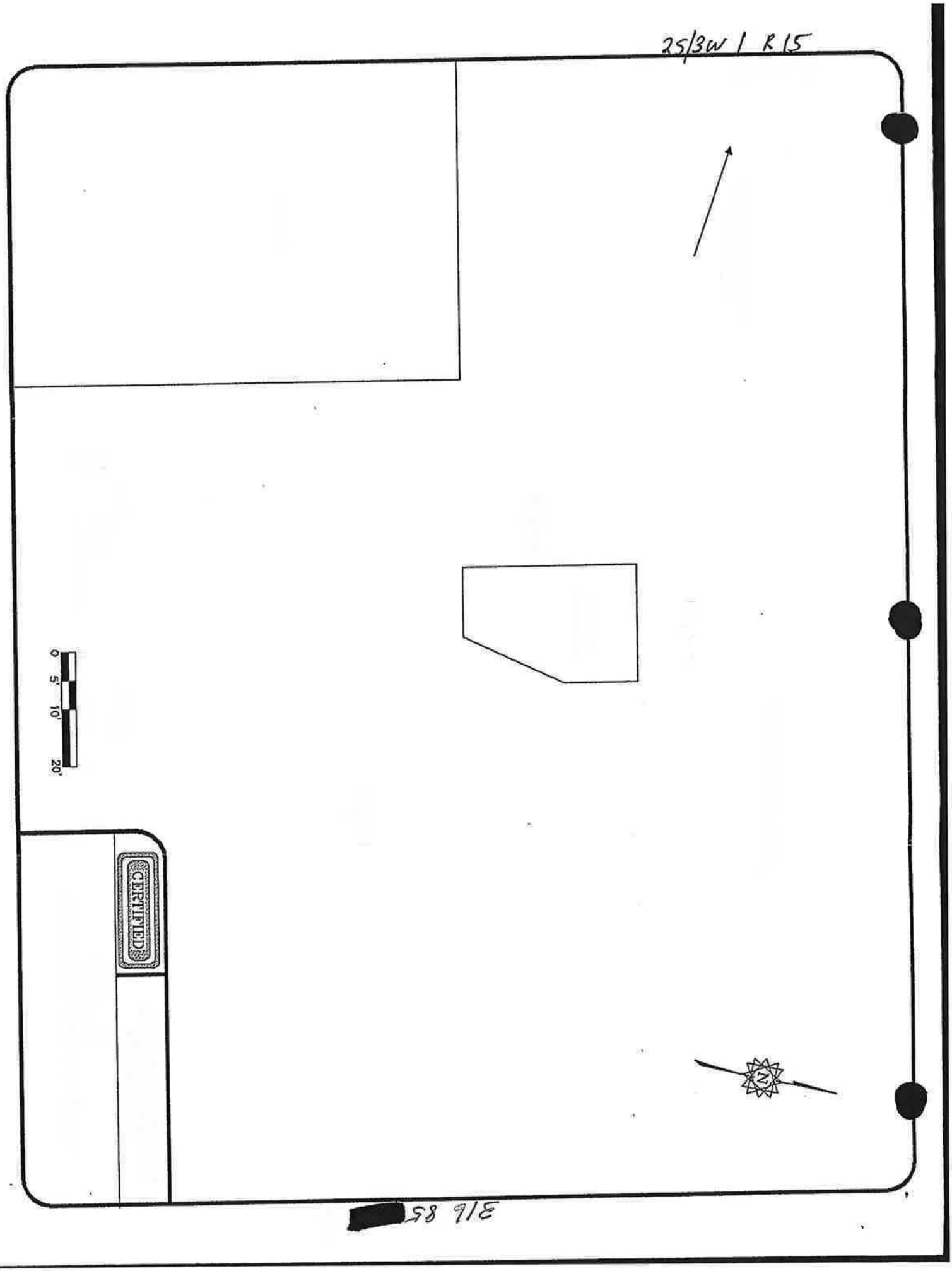
Comments: Water level after completion 6e17'

CERTIFIED

31 [redacted] 2S/3W 16 R15



CERTIFIED


25/3W 1 R15
0
5'
10'
20'
CERTIFIED
22
3/6 85

1 2

MW-1

	1? / 1?		
	8 / 9		f St H_2O Encountered @ 10.5 ft
	8 / 1? / 1?		grade[illegible] ... Silt ...
	20 / 25 / 32	w	w[illegible] ... sand with ...
	? / ? / ?		

2

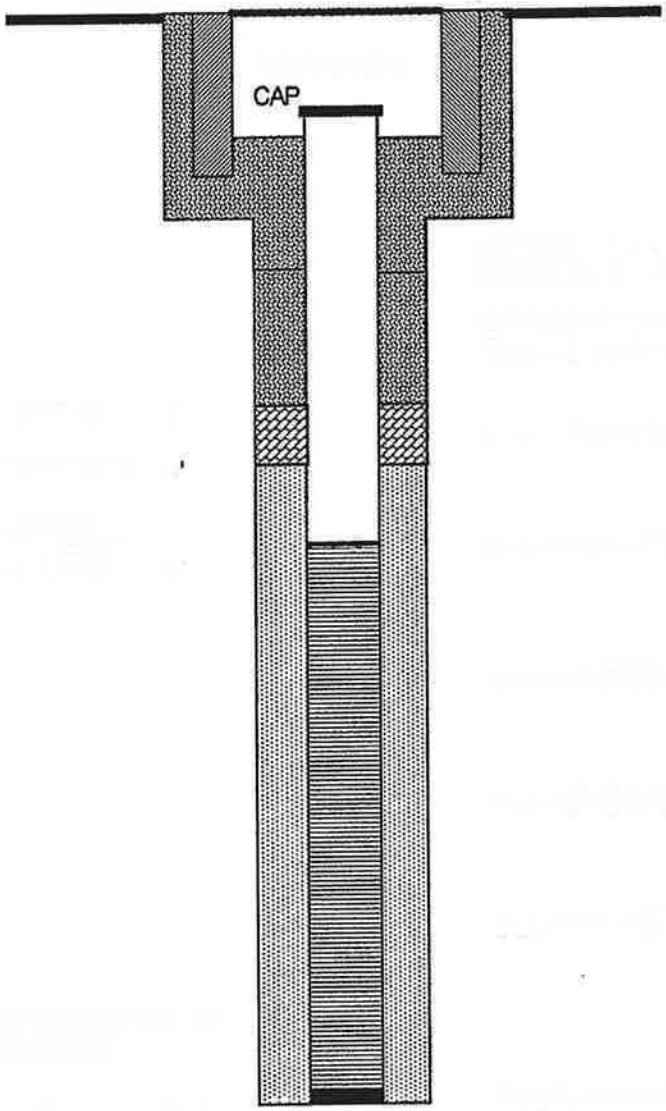
w-1

9

8
17
24

To

13 1 R



CERTIFIED

SLP

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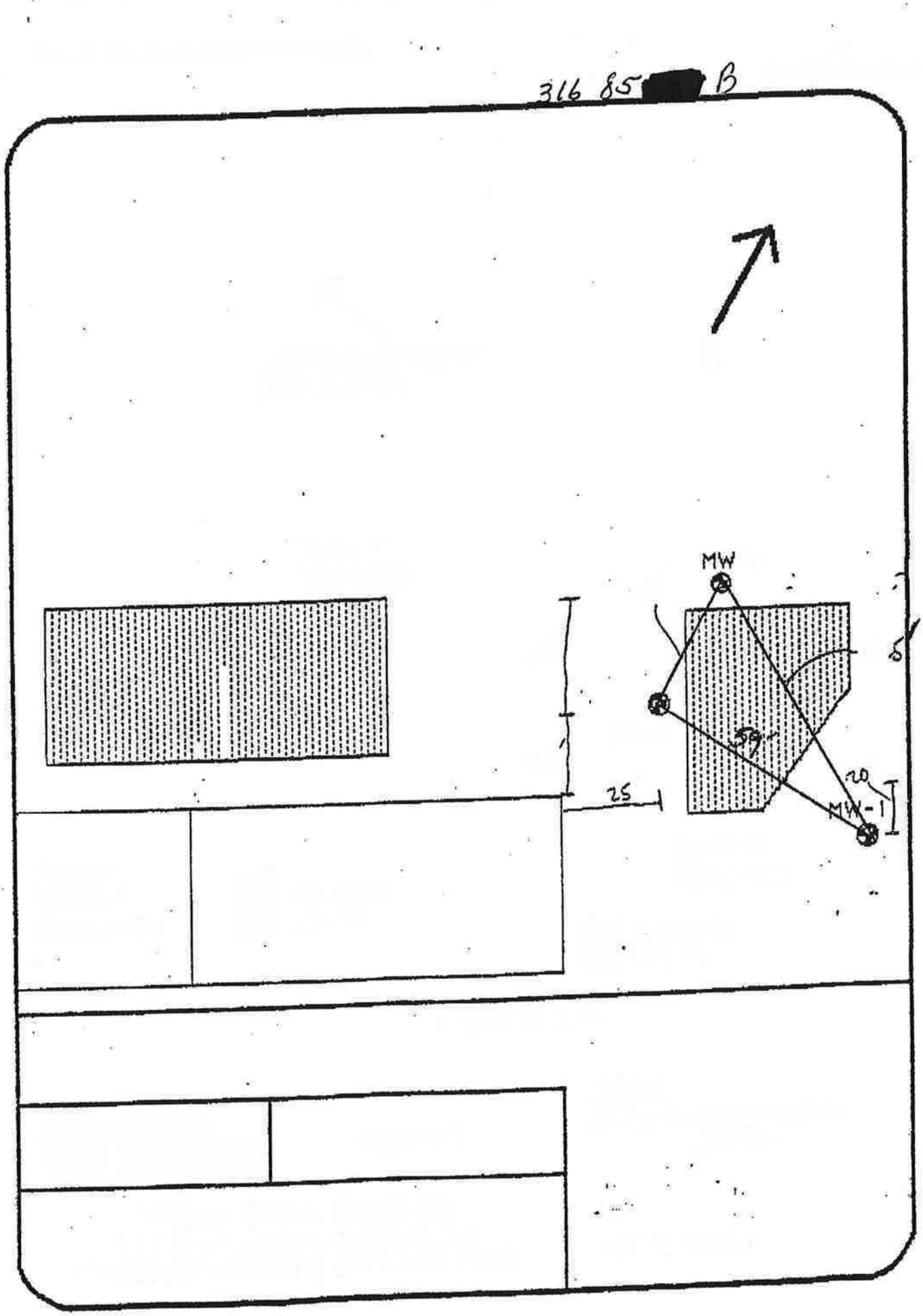
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

316 85 [redacted] B



PRO / Mothers Cookies
LOC ION Oakland, CA
ob P. re
MW 2
DR LLI G CO. FOREMAN BAE / Scott Fichie
DRILL METHOD / MO EL Hollow Stem Auger / CME55
SAMPL E S Cal. mod. Split spoon
CONDITIONS:
GE IST B. WEBB
LABOR McCambell

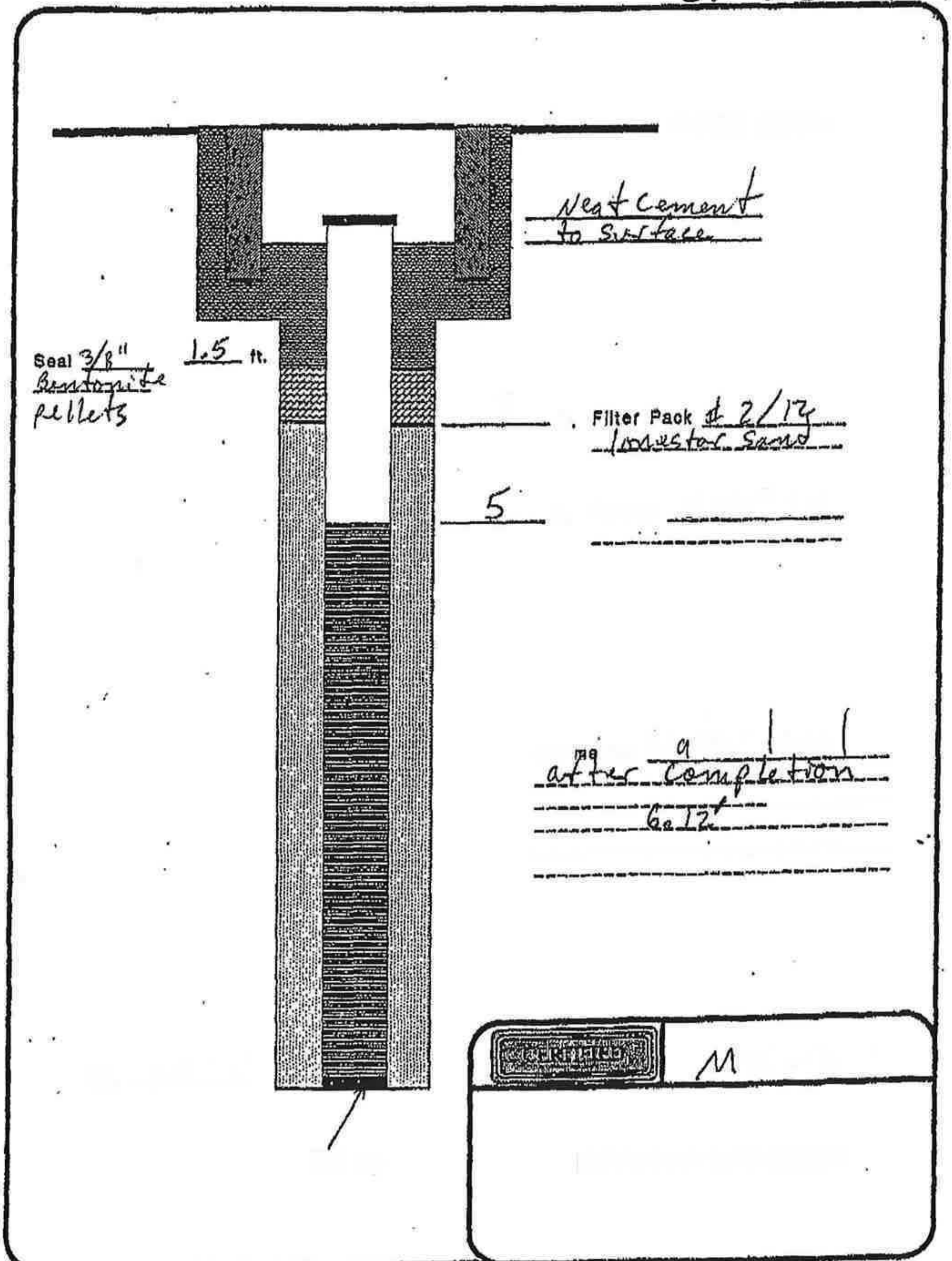
	4							
	12							
	19							
	4							
9	8			fa				
	9							
	8							
	12							
	14							gradational contact from silty clay to fine rained silty Sand.
			S		Dense	Brown	Sa	
	20							well graded sand with gravel gravel clasts angular to subrounded)
	25		W			loose		
21	32				se			
	9							
	14				Dense			
	27							

2

O I N . & PROJECT 88-552 / Mothers Cookies	JEC LOCA I Oakland, CA
C Bob Pires	HOLE MW-7
DRILLIN CO. FOREMAN BAE / Scott Fitchie	
DR LL ME / MO EL Hollow Stem Auger / CMESS	
AMPL NG TH DIS. Calif. mod Split spoon	
GEO OGIST B. WEBB	
LAB ATORY McCampbell	

LE	1	Hc					
2	8						
30	17			4" graded Sand w/ 1			
31	24						
3							Total Depth 37.0ft

31 85B 25/3W



Neat cement to surface
Seal 3/8" Bentonite pellets
1.5 ft.
Filter Pack # 2/12 Lonestar Sand
5
9
after completion
6.12'
M

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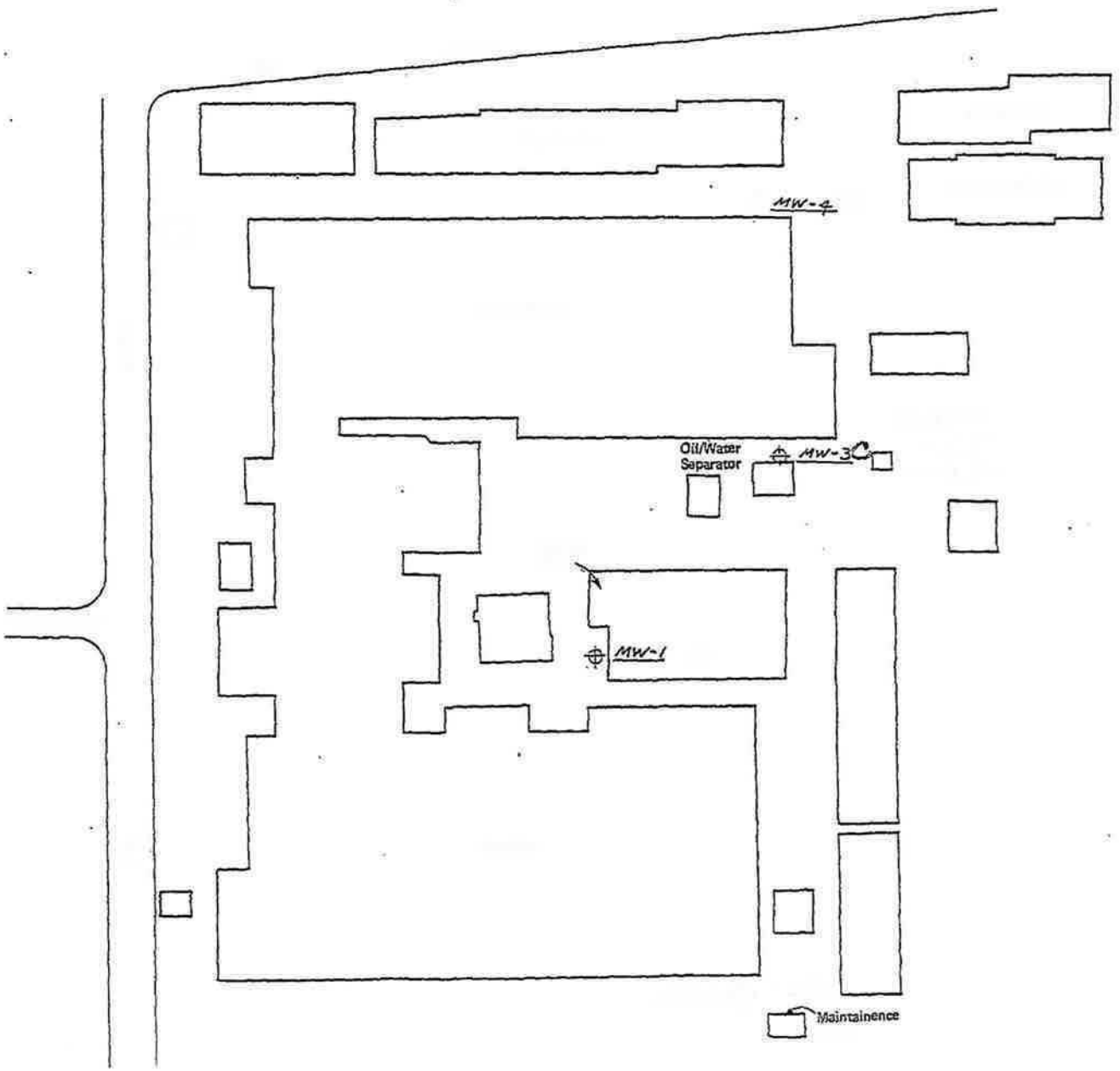
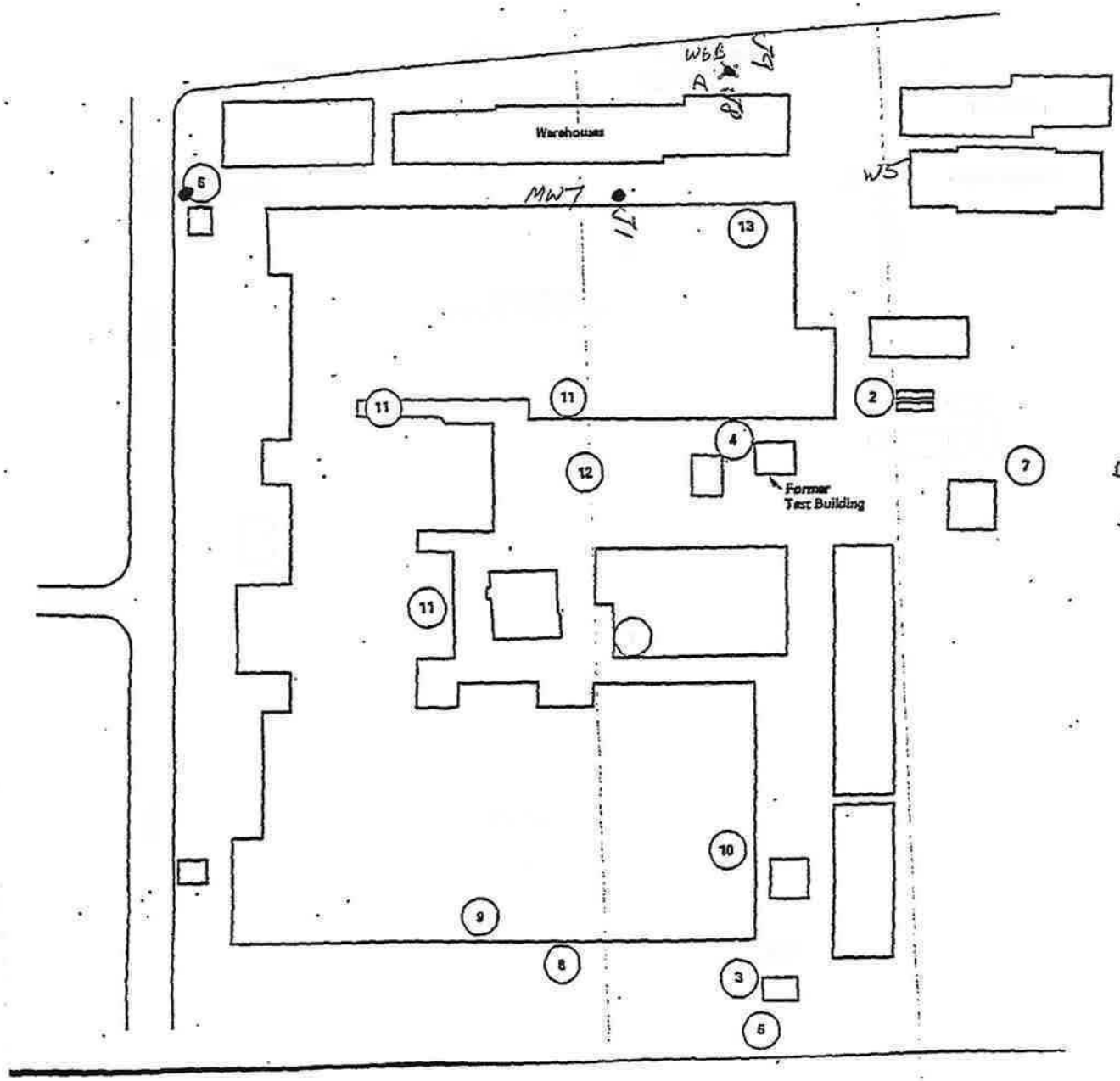
(WELL LOGS)

REMOVED



0 100 200

Graphic Scale In Feet
(Approx.)



1. Plating Shop
2. Hydrocarbon Storage – Shipping Preparation Building Area
3. Maintenance Shop
4. Main Assembly Building Oil/Water Former Test Building
5. Edes Avenue Oil/Water Separator
6. Settling Pond Fill Material
7. Product Drum Storage Area
8. Foundry Scrap Area
9. Foundry Area
10. Foundry Furnaces/Plating Sludge Dewatering Area
11. Transformer Units
12. Underground Gasoline Storage Tank Location
13. Machine Shop Vapor Degreaser

IMO Delaval
Oakland, California

Environmental Assessment
Generalized Locations of Investigation Areas

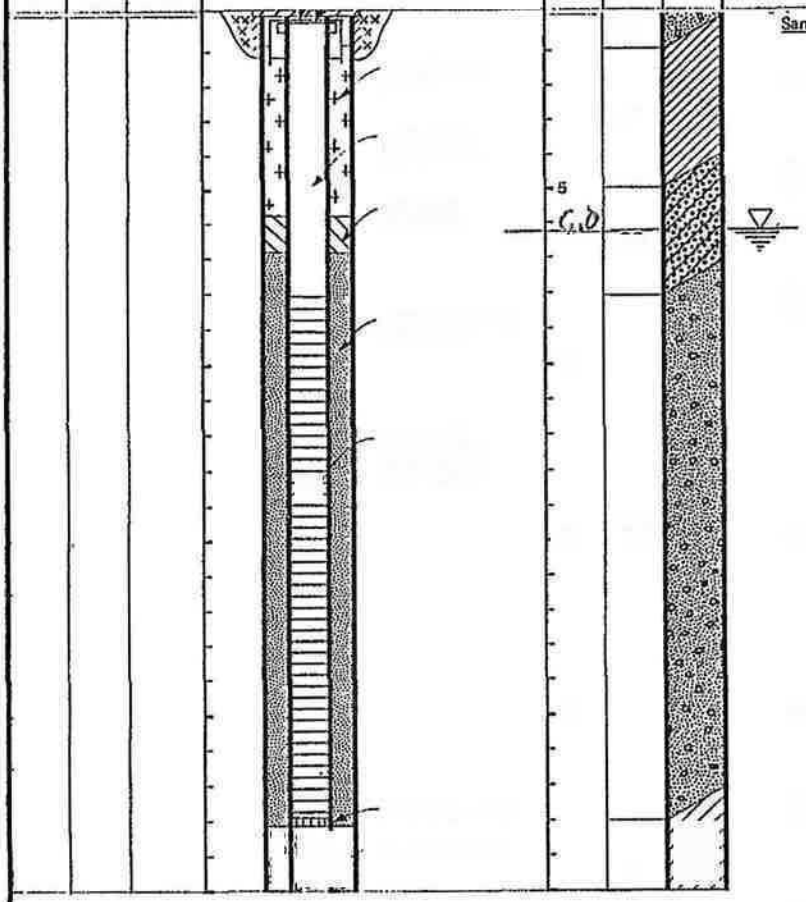
KJIC 800088
April 1988

✓

KP: ✓ 1

25/3W21J3

Kennedy/Jenks/Chilton



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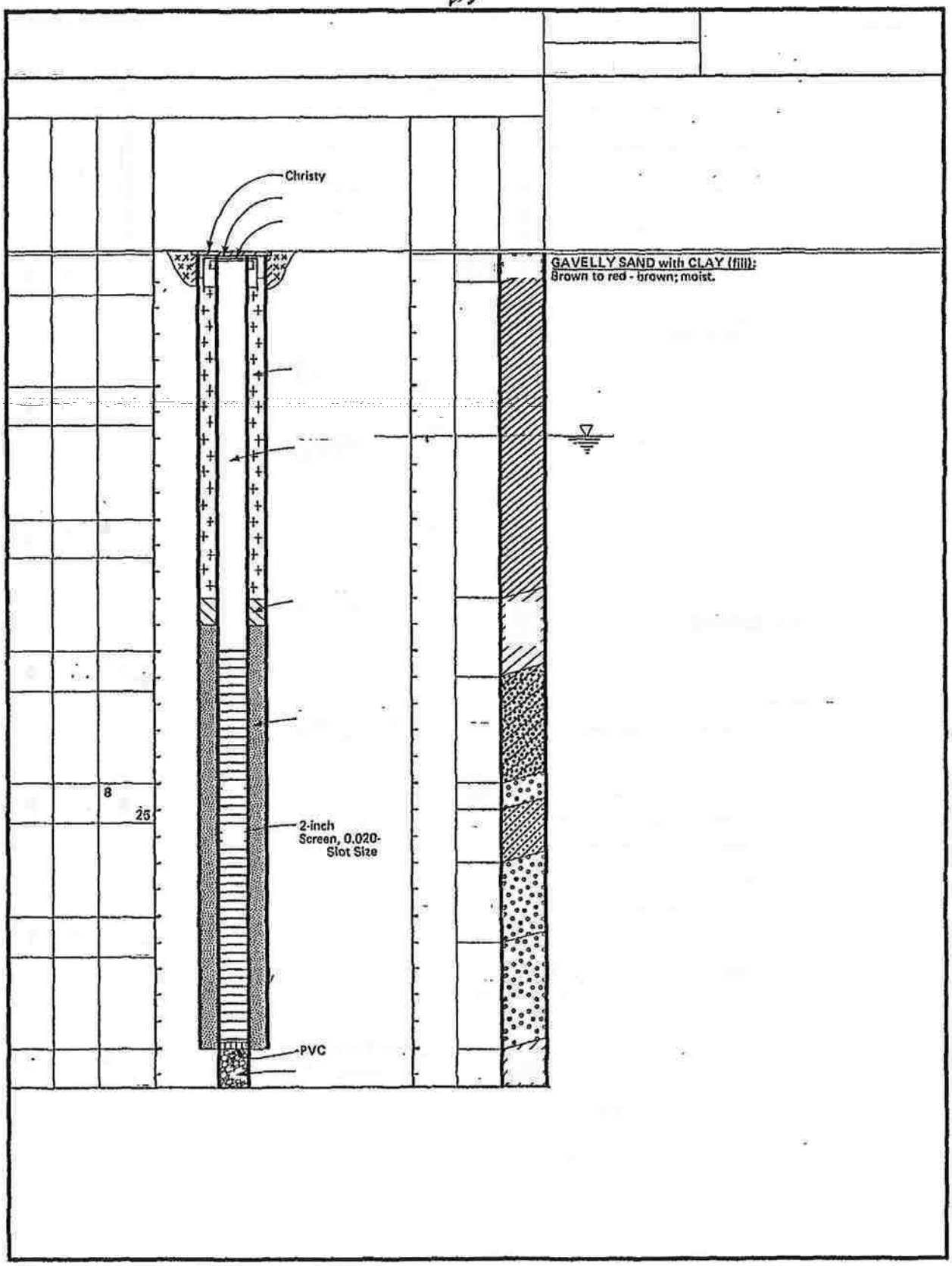
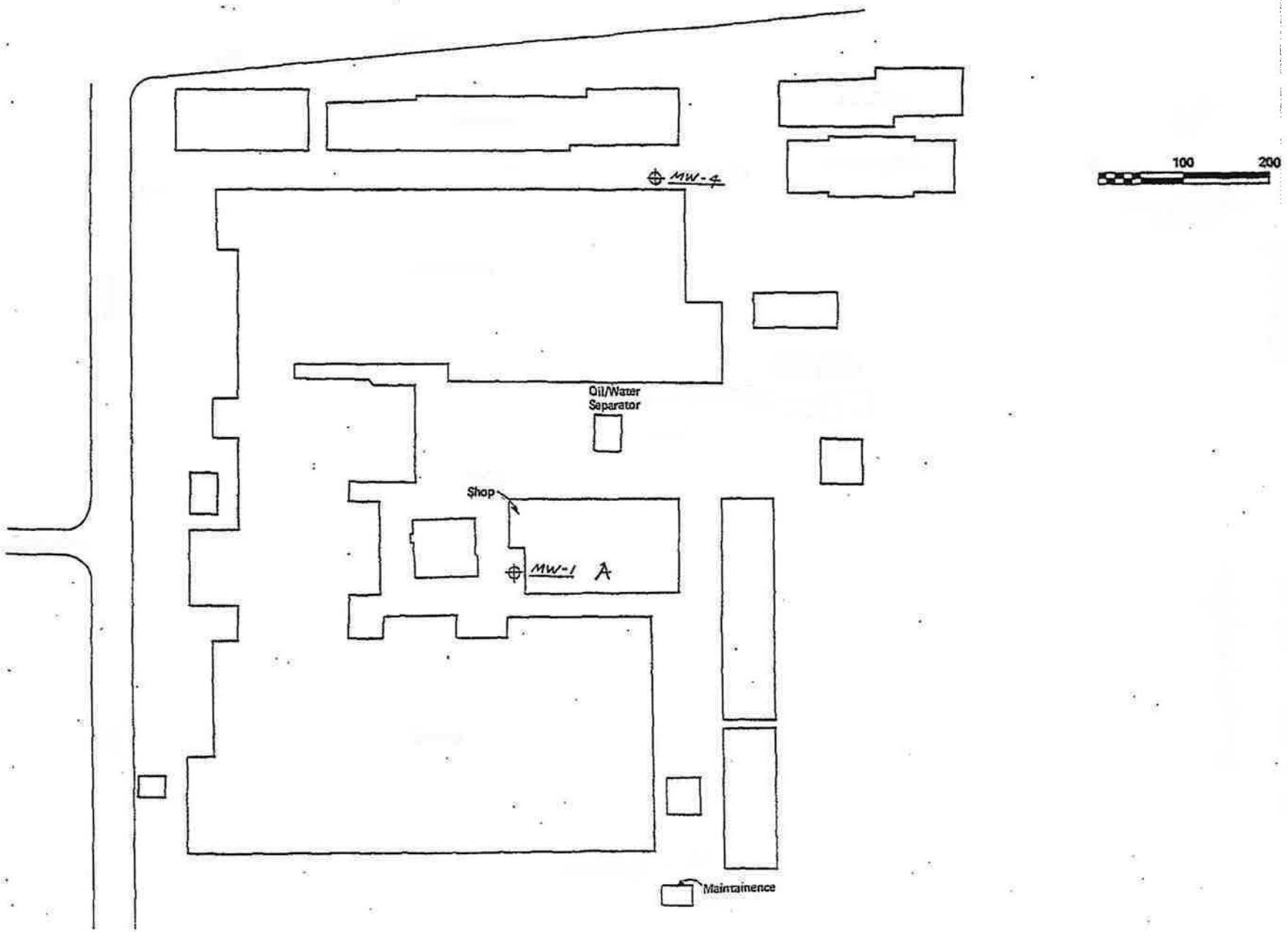
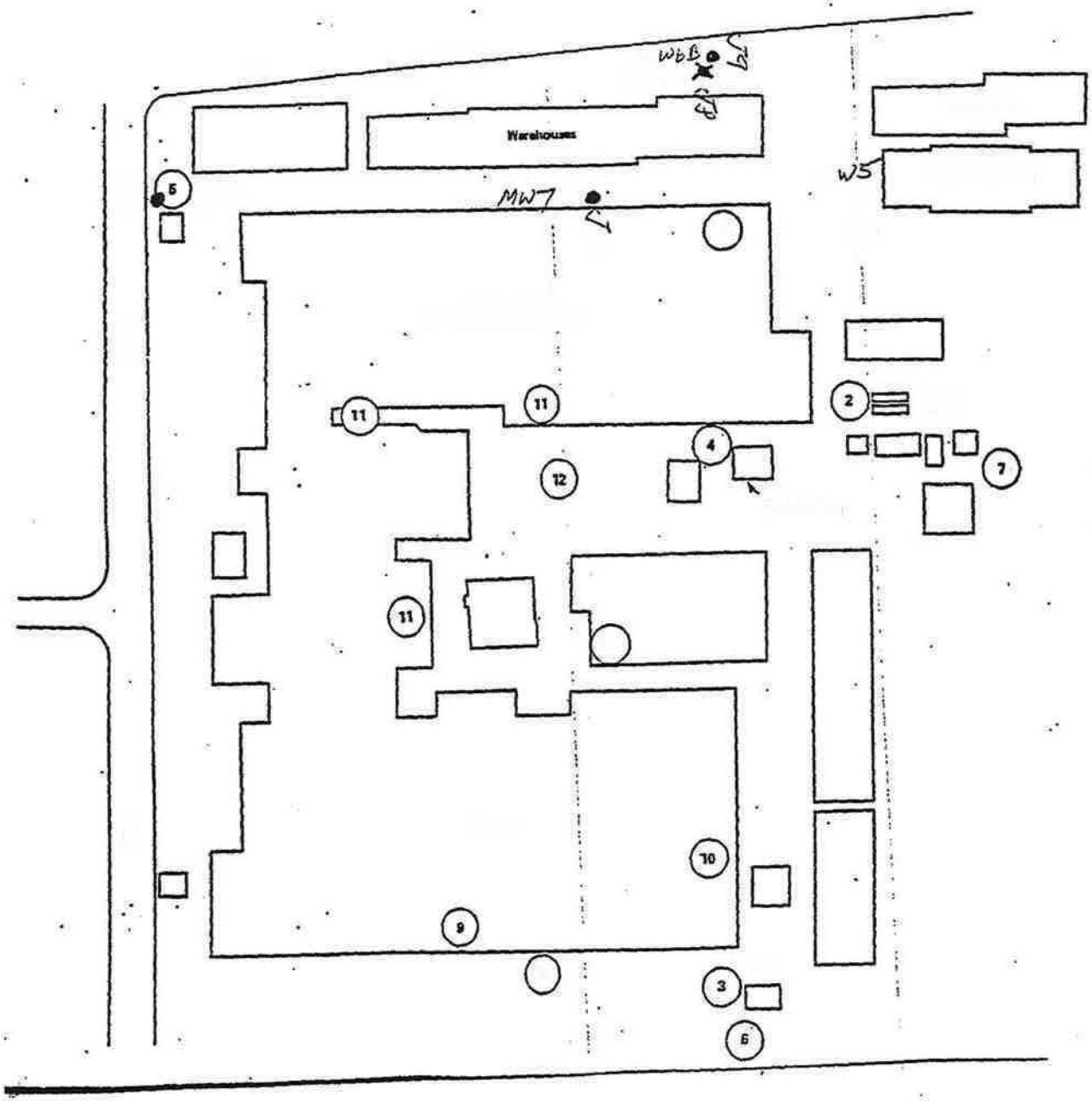
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED


Christy
GAVELLY SAND with CLAY (fill):
Brown to red - brown; moist.
8
25
2-inch
Screen, 0.020-
Slot Size
PVC


MW-4
Oil/Water
Separator
Shop
MW-1
A
Maintainence
100
200



1. Plating Shop
2. Hydrocarbon Storage -- Shipping Preparation Building Area
3. Maintenance Shop
4. Main Assembly Building Former Test Building
5. Edac Oil/Water Separator
6. Settling Material
7. Product Drum Storage Area
8. Foundry Scrap Area
9. Foundry
10. Foundry Dewatering Area
11. Transformer Units
12. Underground Gasoline Tank Location

Locations of Investigation Areas

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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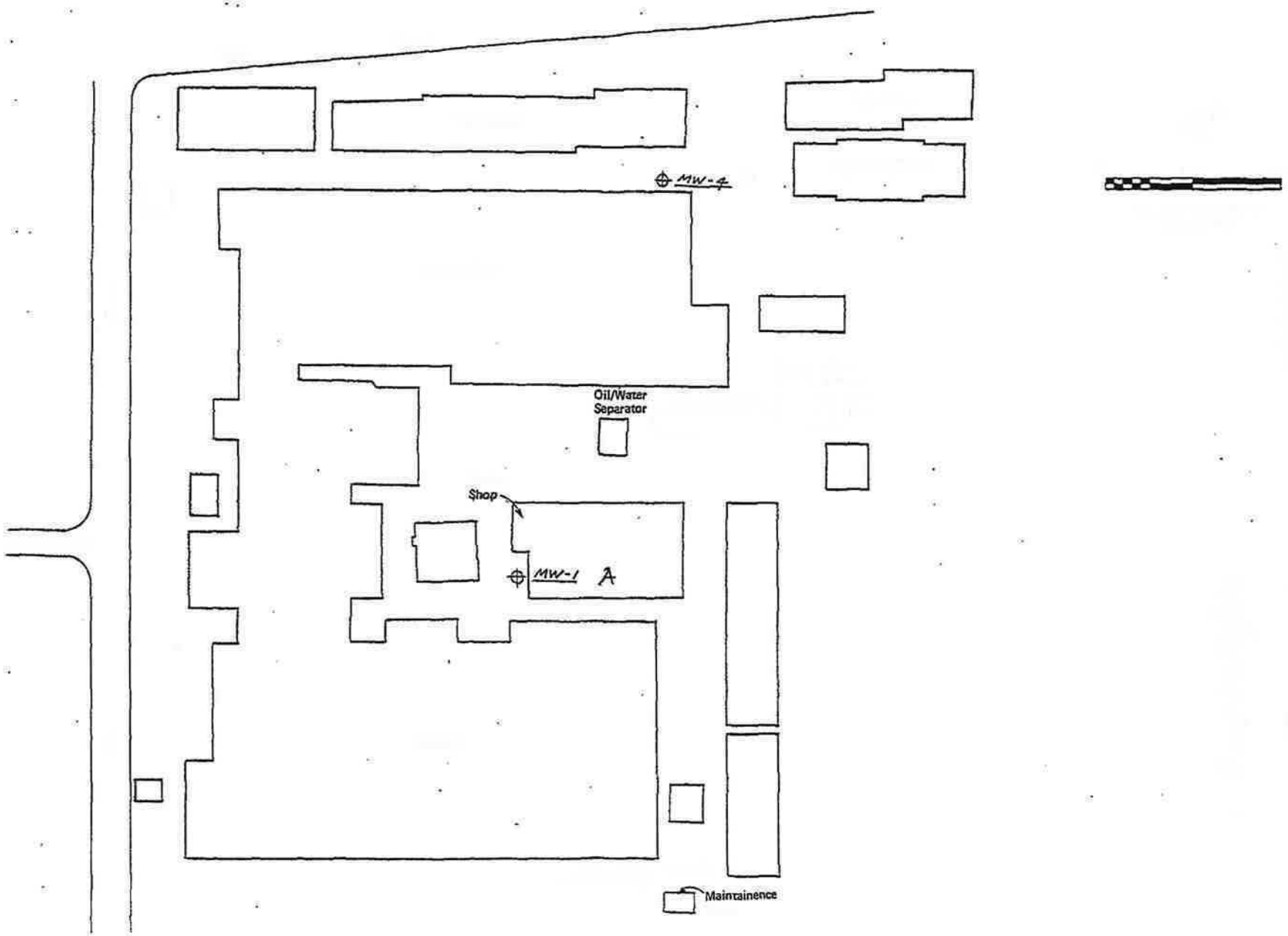
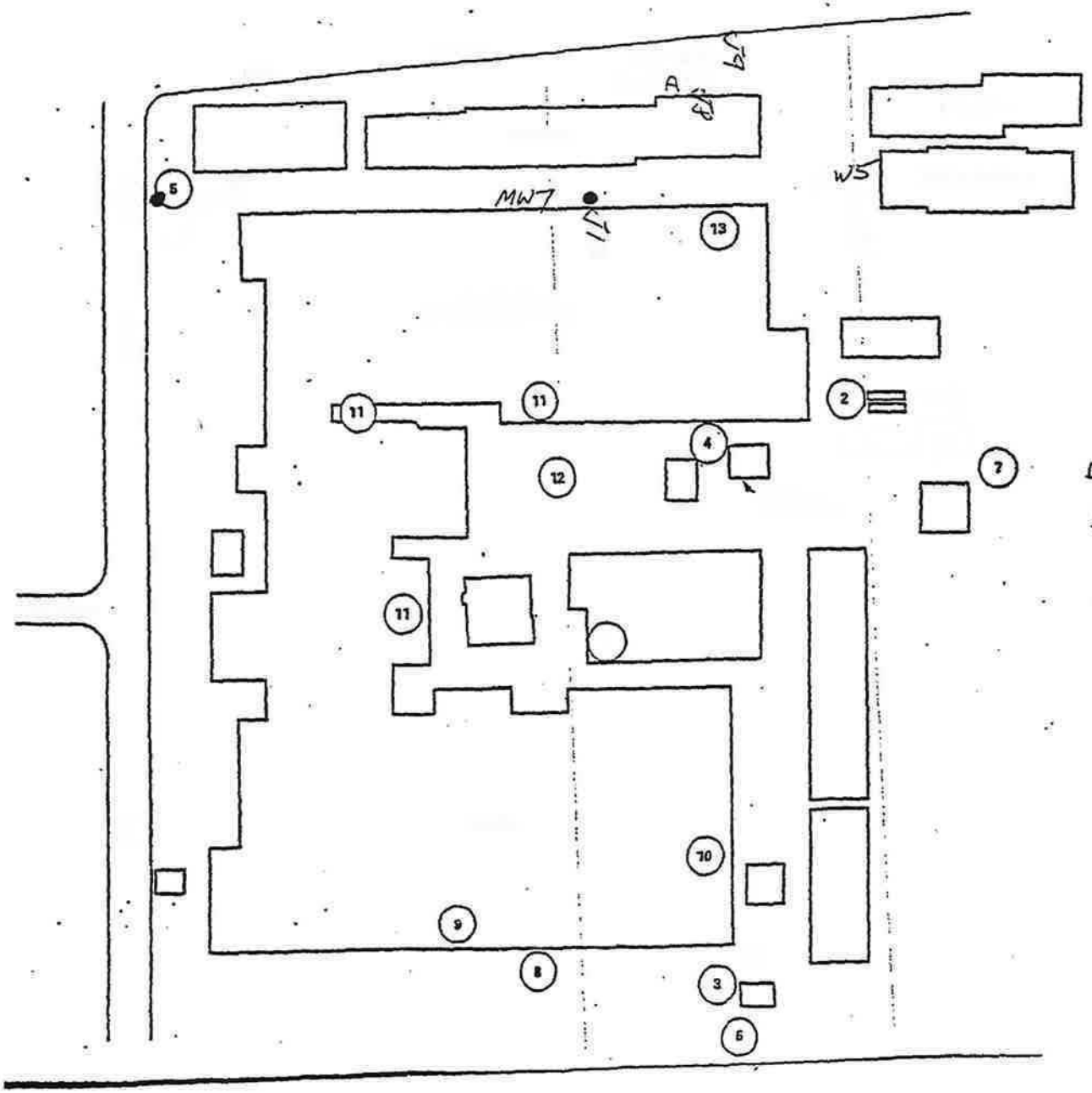

MW-4
Oil/Water
Separator
Shop
MW-1
Maintainence



INVESTIGATION

1. Plating Shop
2. Hydrocarbon Storage – Shipping Preparation Building Area
3. Maintenance Shop
4. Main Assembly Building Oil/Water Former Test Building
5. Edes Avenue Oil/Water Separator
6. Settling Pond Fill Material
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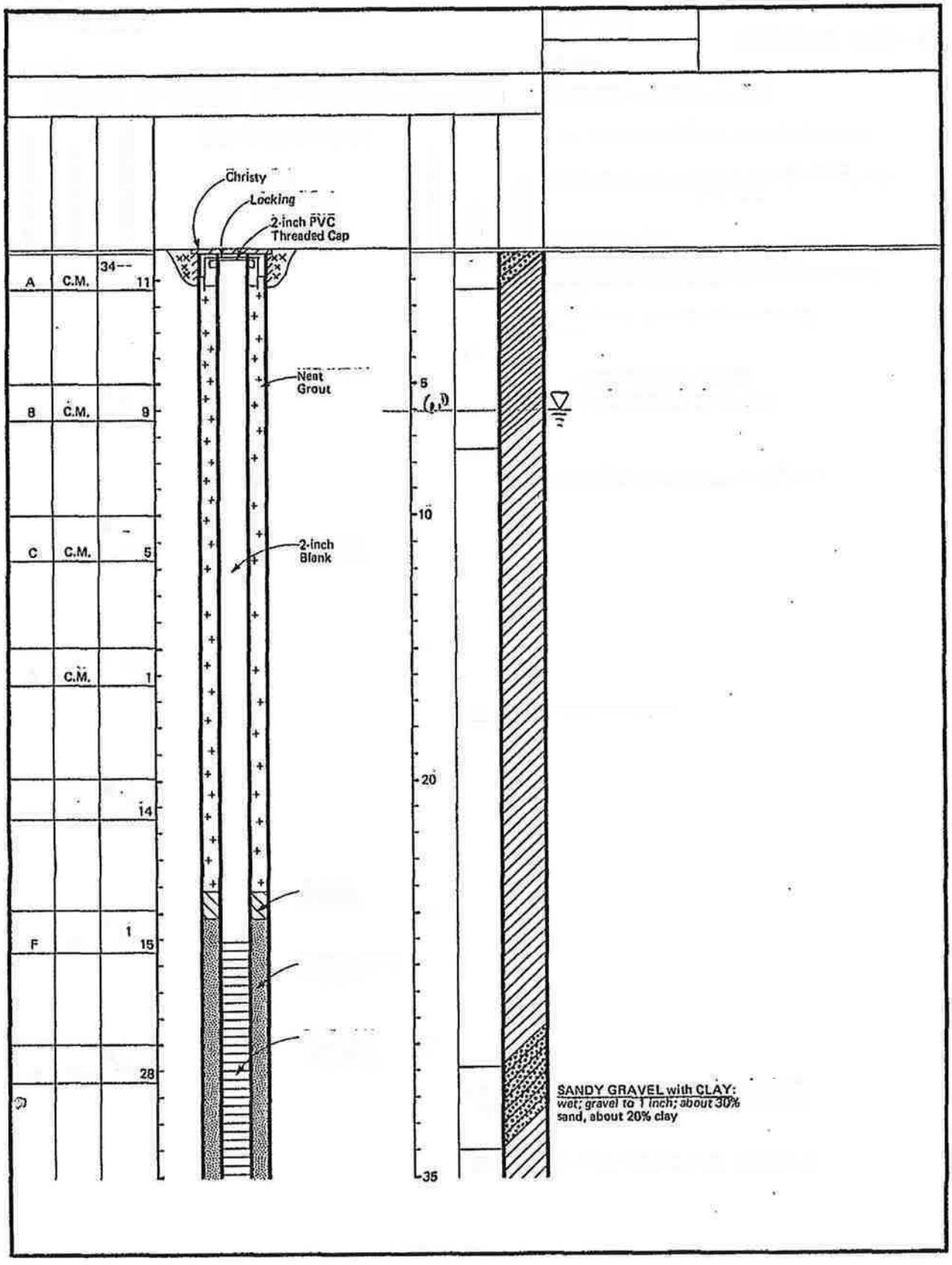
9. Foundry Area
10. Foundry Furnance/Plating Sludge Dewatering Area
11. Transformer Units
12. Underground Gasoline Storage Tank Location
13. Machine Shop Vapor Degreaser

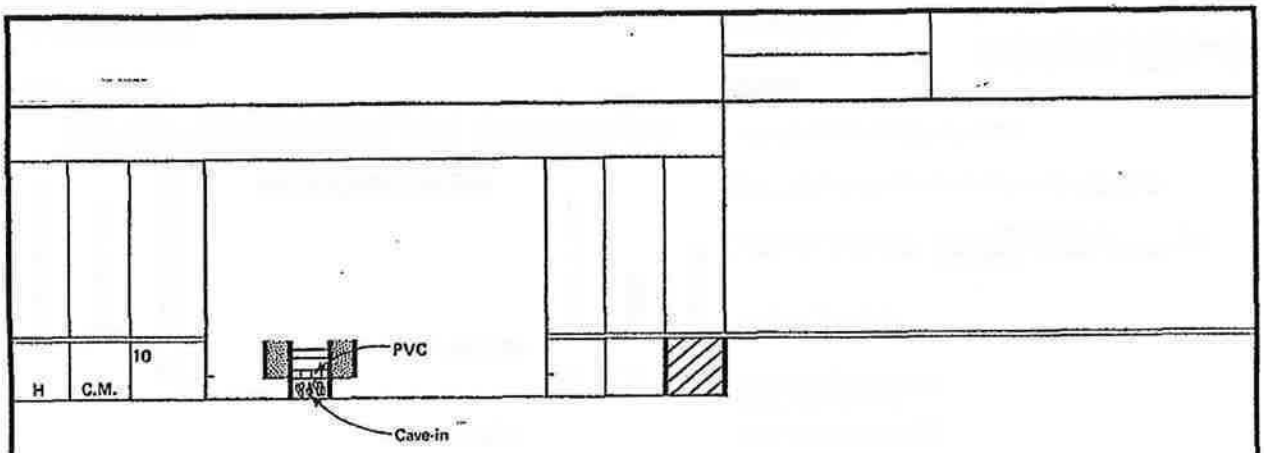
IMO Delaval
Oakland, California

Environmental Assessment
Generalized Locations of Investigation Areas

K/J/C 800088
April 1988

Figure 1


Christy
Locking
2-inch PVC Threaded Cap
Neat Grout
2-inch Blank
A
C.M.
34--
11
B
C.M.
9
C
C.M.
5
C.M.
1
14
F
1
15
28
5
10
20
35
SANDY GRAVEL with CLAY:
wet; gravel to 1 inch; about 30% sand, about 20% clay


H
C.M.
10
PVC
Cave-in

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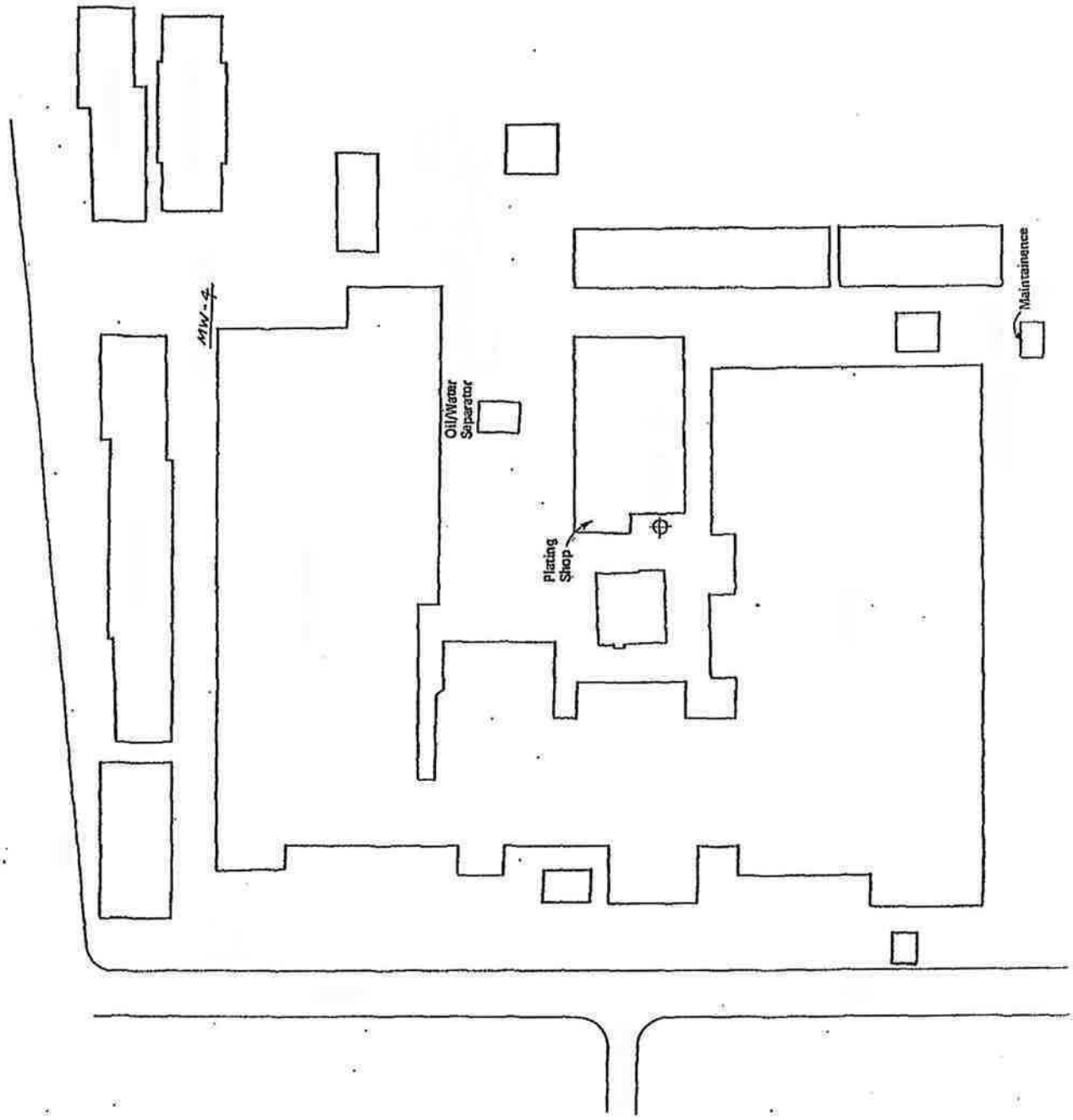
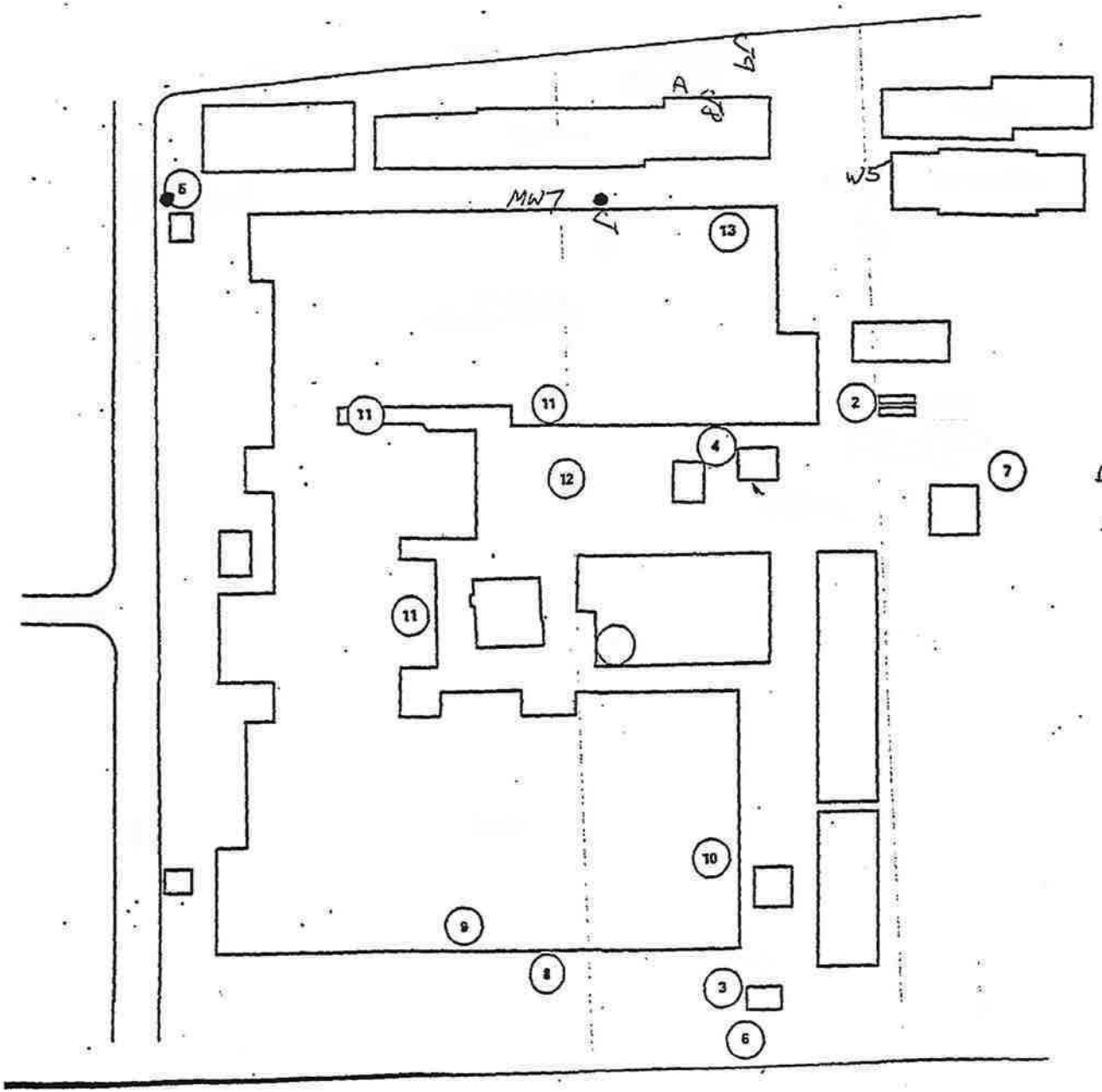
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

179310 [redacted]

25/3W21J3-6



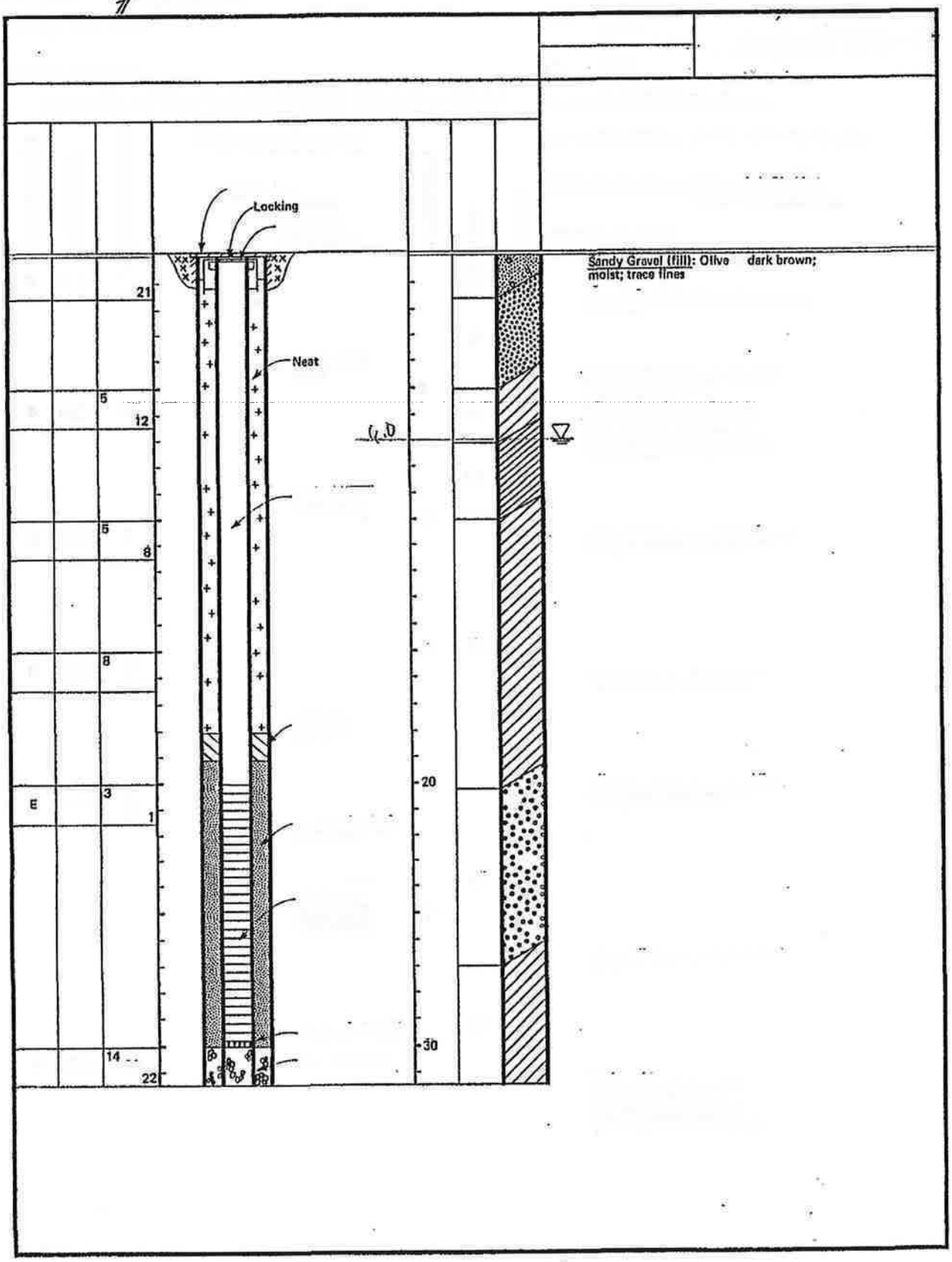


1. Shop
2. Hydrocarbon Storage – Shipping Preparation Building Area
3. Maintenance Shop
4. Main Assembly Building Oil/Water Separator – Former Test Building
5. Edes Oil/Water Separator
6. Settling Pond Fill Material
7. Product Drum Storage Area
8. Foundry Scrap Area
9. Foundry
10. Foundry Dewatering Area

DS1
DS3
DS2

793 - D

Environmental Assessment Generalized of Investigation Areas


Locking
Neat
21
5
12
5
8
8
E
3
1
14
22
20
30
Sandy Gravel (fill): Olive dark brown; moist; trace fines

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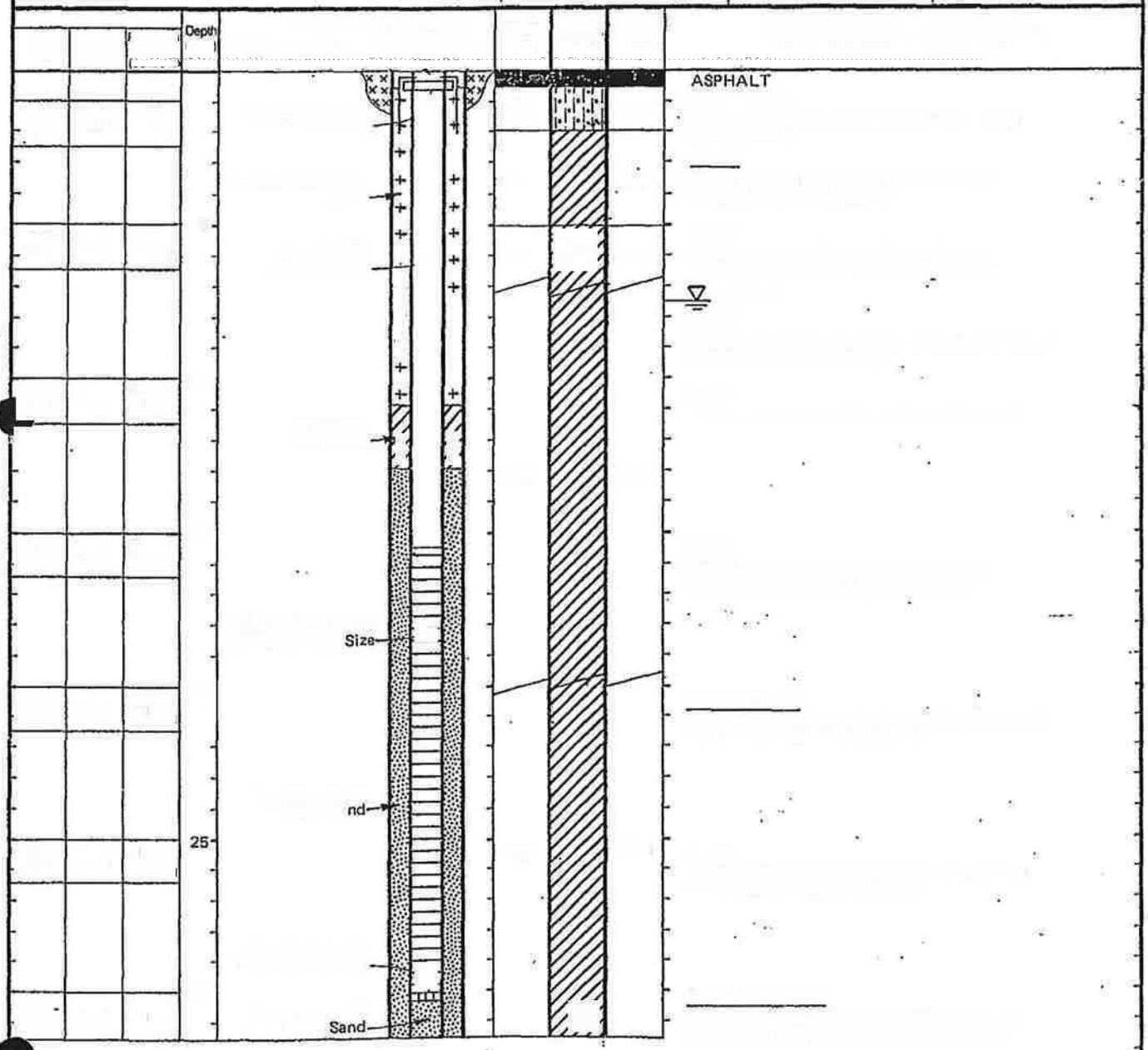
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

BORING LOCATION: IMO 550 85th Avenue,			MW
DRILLING COMPANY: Maggiora	DRILLER		IMO
DRILLING METHOD (S): Hollow Stem Auger	DRILL BIT (S) SIZE:		880008.00
ISOLATION CASING: —	FROM — TO — FT.	ELEVATION AND DATUM: 10.82-feet MSL	TOTAL DEPTH: 31.5-feet
BLANK CASING: Schedu PVC, 2-inch diameter	FROM TO FT.	DATE STARTED: 4/20/88	DATE COMPLETED: 4/20/88
PERFORATED CASING: Schedule 40	FROM TO FT.	STATIC WATER ELEVATION -after development: -feet	
SIZE AND TYPE OF FILTER PACK	FROM TO FT.	LOGGED BY: EAR	
SEAL: bentonite pellets, 0-25 inch	FROM TO FT.	SAMPLING	
GROUT	FROM TO FT.		



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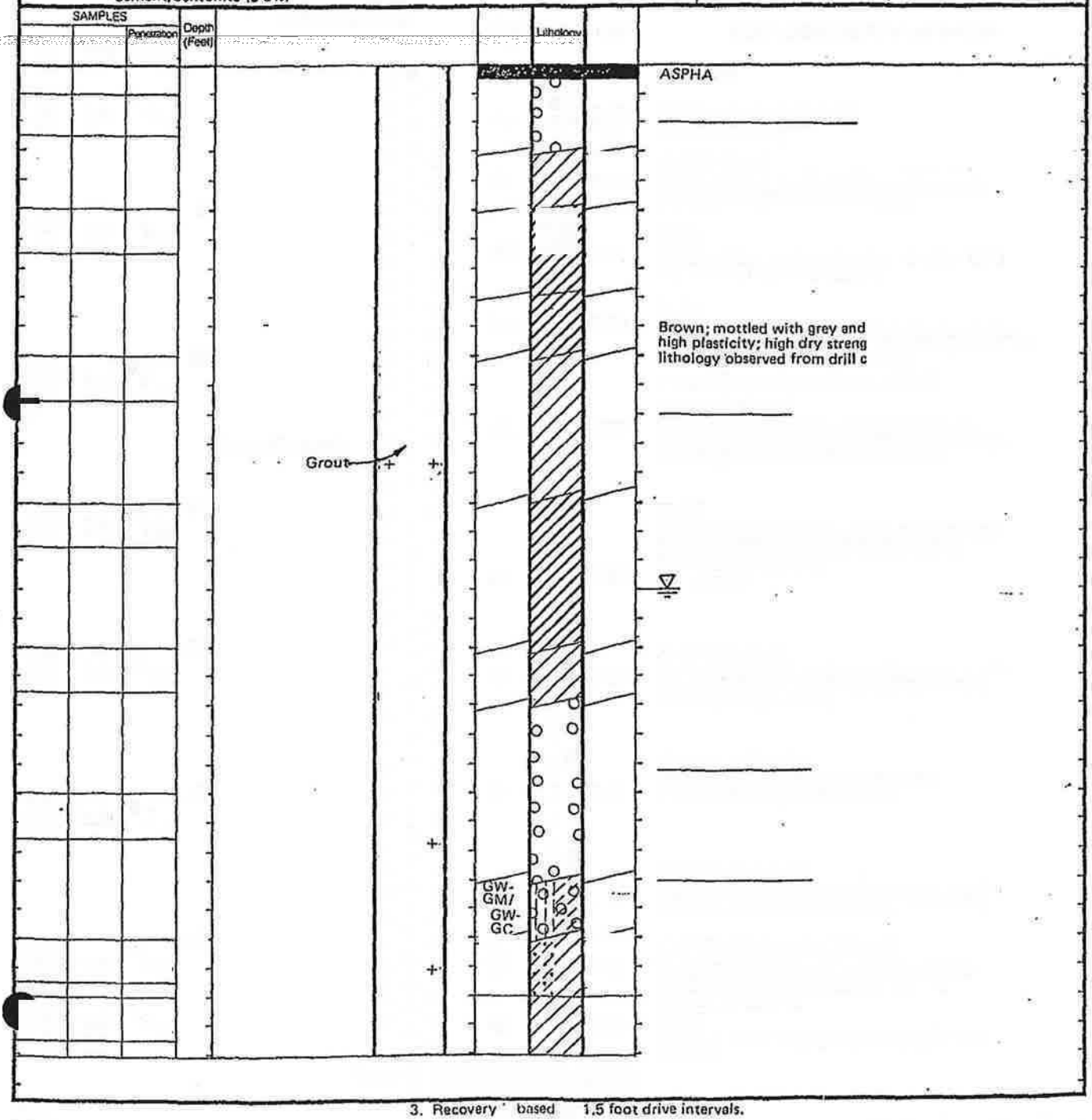
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

BORING LOCATION: IMO Delaval 550 , Oakland, 94621	
DRILLING COMPANY: Maggiora Drilling, Inc.	DRILLER
DRILLING METHOD (S): Hollow Stem Auger	DRILL BIT (S) SIZE: 8-inch O.D.
	880008.00
CIRCULATION CASING —	FROM — TO — FT.
BLANK CASING —	FROM — TO — FT.
PERFORATED CASING —	FROM — TO — FT.
SIZE AND TYPE OF FILTER PACK —	FROM — TO — FT.
SEAL —	FROM — TO — FT.
GROUT: Cement/bentonite (3-5%)	FROM — TO — FT.
ELEVATION AND DATUM: Not Measured	TOTAL DEPTH: 34.2-feet
LOGGED BY: EAR	



3. Recovery based 1.5 foot drive intervals.

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

9 42

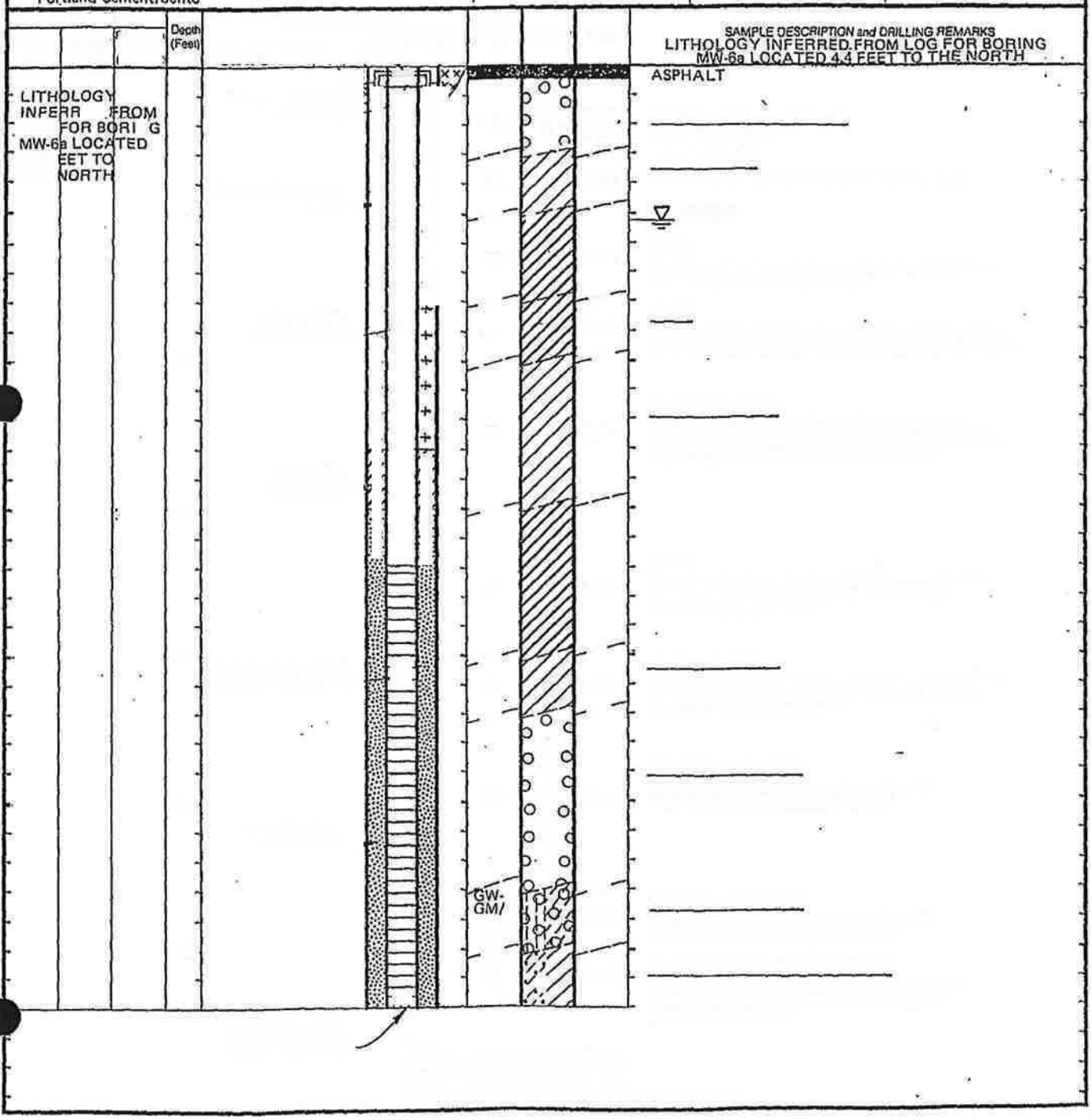
BORING LOCATION: IMO Delaval 550 85th Avenue, Oakland, CA 94621	MW-6b
DRILLING COMPANY: Maggiora Bros. Drilling,	DRILLER: IMO De
DRILLING METHOD (S): Auger	DRILL BIT (S) SIZE: O. .
ISOLATION CASING	FROM TO FT.
BLANK CASING: Schedule 40 PVC,	FROM TO FT.
PERFORATED CASING: Schedule PVC, 2-inch ,	FROM .0 TO FT.
SIZE AND TYPE OF FILTER PACK: Sand	FROM .0 TO FT.
SEAL: Hyd pellets,	FROM TO 5.0 FT.
GROUT: Portland Cement/bento	FROM TO FT.

880008.

ELEVATION AND DATUM	TOTAL DEPTH
9.25-feet MSL	32-feet

STATIC WATER ELEVATION after development: 1-feet, measured 4/28/88

LOGGED BY: R



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WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

BORING LOCATION
IMO Delaval Avenue, Oakland,

DRILLING COMPANY
Maggiora Bros. Drilling, Inc.

JDH

Delaval-Oak

DRILLING METHOD (S)
Hollow Stem Auger

DRILL BIT (S) SIZE:
8-inch O.D.

ISOLATION CASING — FROM TO FT.

BLANK CASING — FROM TO FT.
40 PVC, 1.0 19.0

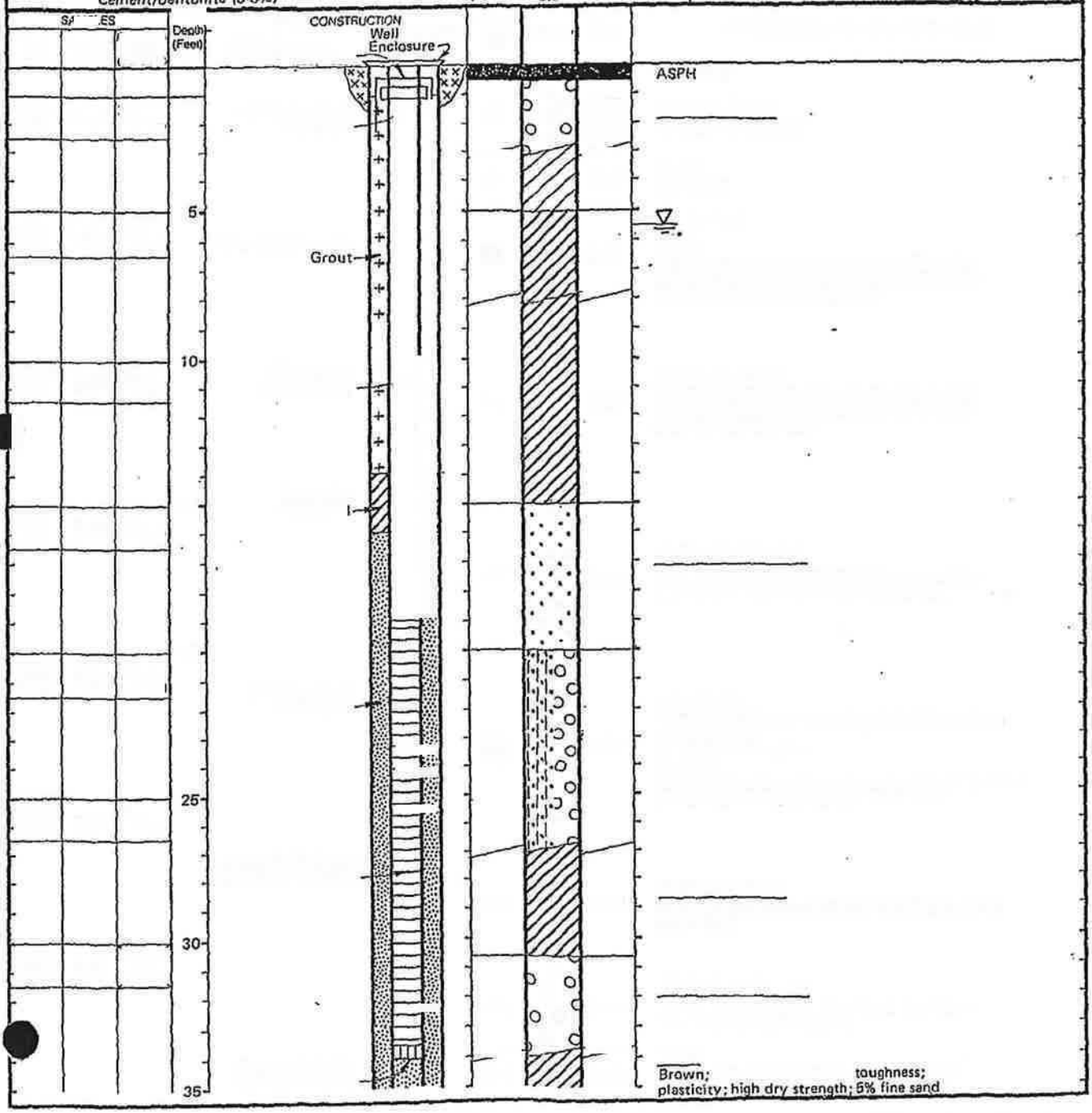
PERFORATED CASING — FROM TO FT.
Schedule 40 PVC, 2-inch diameter, 0.020-inch slots .0

SIZE AND TYPE OF FILTER PACK — FROM TO FT.
Lonestar No. 3 Filter Sand 16.0 36.5

LOGGED BY

SEAL — FROM TO FT.
Hydro pellets, 6.0

GROUT — FROM TO FT.
Cement/bentonite (3-5%) 0.5



Brown; toughness; plasticity; high dry strength; 5% fine sand

SAMPLES								
[redacted] No.		Preservation	Depth					

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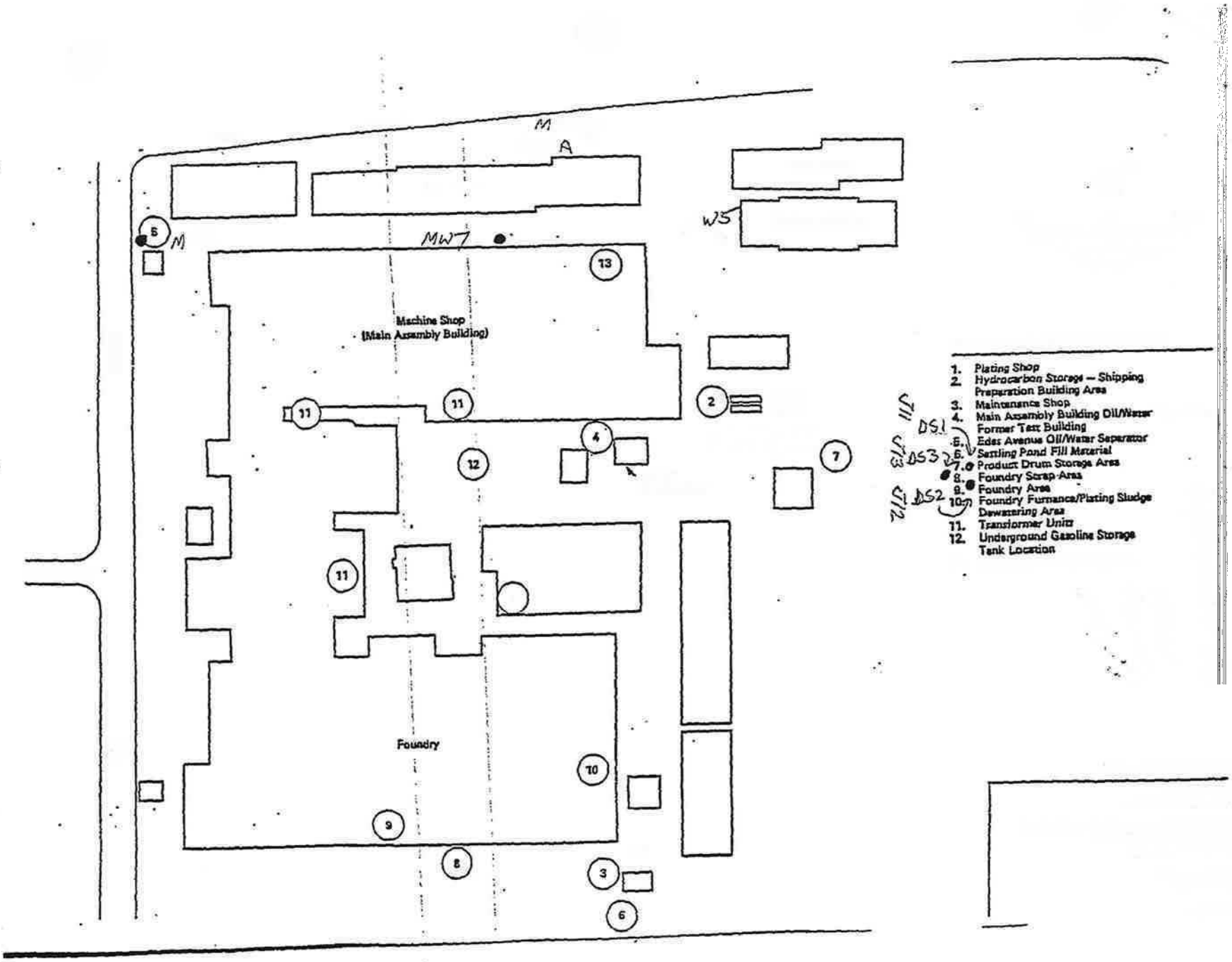
(WELL LOGS)

REMOVED


M
A
W5
MW7
5
M
13
Machine Shop
(Main Assembly Building)
11
11
2
4
12
7
11
Foundry
10
9
8
3
6
1. Plating Shop
2. Hydrocarbon Storage – Shipping Preparation Building Area
3. Maintenance Shop
4. Main Assembly Building Oil/Water Former Test Building
5. Eden Avenue Oil/Water Separator
6. Settling Pond Fill Material
7. Product Drum Storage Area
8. Foundry Scrap Area
9. Foundry Area
10. Foundry Furnace/Plating Sludge Dewatering Area
11. Transformer Units
12. Underground Gasoline Storage Tank Location
DS1
DS3
DS2

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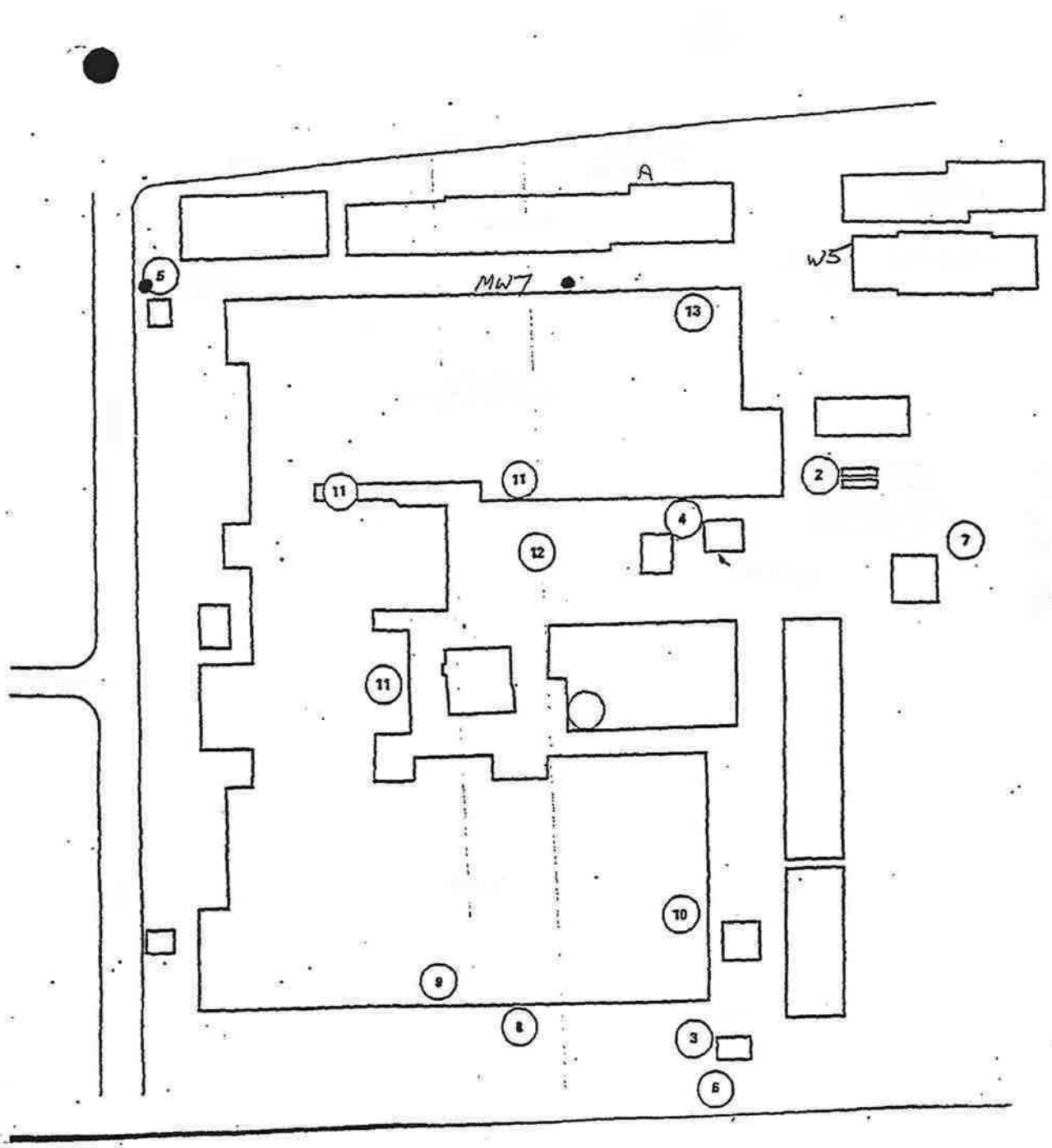
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



INVESTIGATION

1. Plating
2. Hydrocarbon Storage Preparation Building Area
3. Maintenance Shop
4. Main Assembly Building
5. Former Test Building Edes Oil/Water Separator
6. Settling Pond Fill Material
7. Product Drum Storage Area
8. Foundry
9. Foundry Area
10. Foundry Furnace/Plating Sledge Dewatering Area
11. Transformer Units
12. Underground Gasoline Storage Tank Location
13. Machine Shop Vapor Degreaser

DS1

DS2

ennedy/Jenks/Chilton

IMO Delaval
Oakland, California

Environmental Assessment
Generalized Locations of Investigation Areas

KJ/C 600088
April 1988

Figure 1

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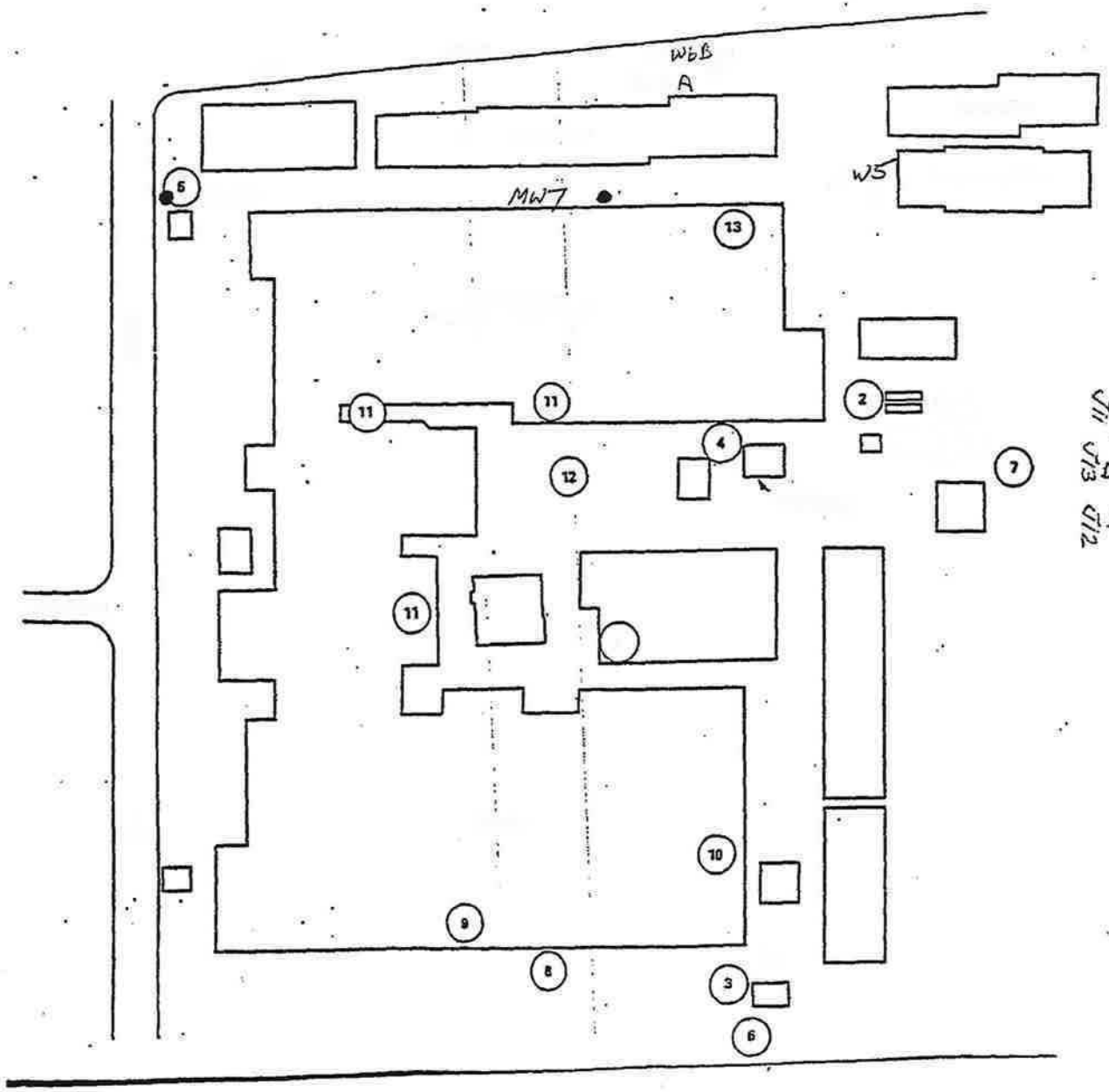
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



1. Plating Shop
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11. Transformer Units
12. Underground Gasoline Storage Tank Location
13. Machine Shop Vapor Degreaser

Kennedy/Jenks/Chilmon

IMO Delaval
Oakland, California

Preliminary Environmental Assessment
Generalized Locations of Investigation Areas

KJ/C 800088
April 1988

Figure 1

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Addk 3

MW-22

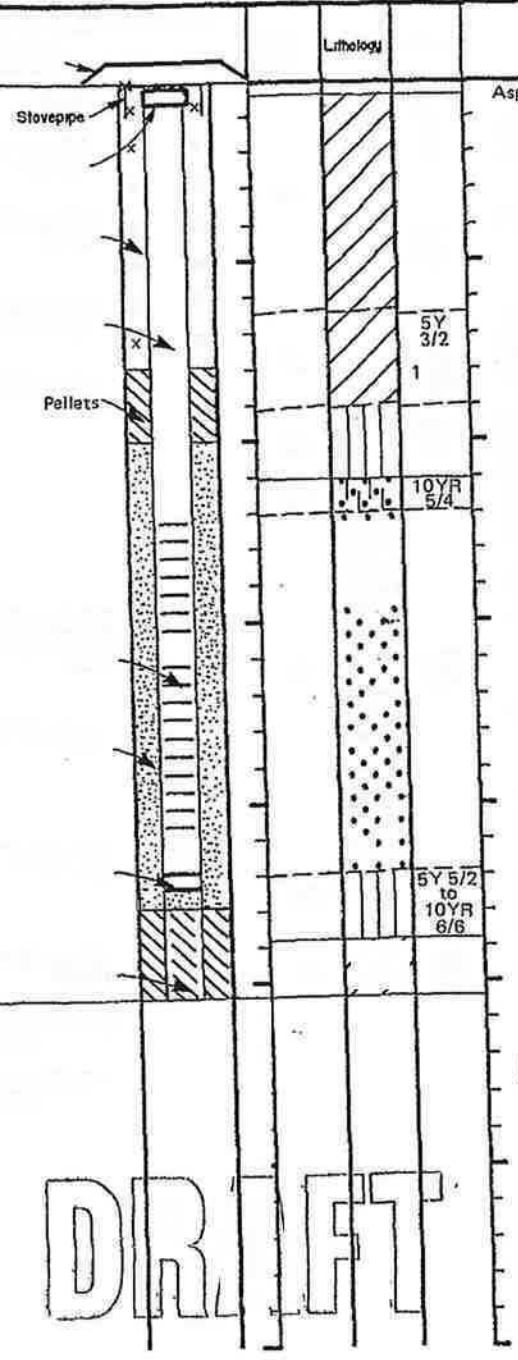
MO Delaval, Avenue, Oakland, California

IMO Delaval

880008.00-G-91

DRILLING COMPANY: Spectrum Exploration	DRILLER: uylendall	ELEVATION AND DATUM: 15.77 above MSL	TOTAL DEPTH
DRILLING METHOD (S): Stem Anger	DRILL BIT (S) SIZE: inch	DATE STARTED: 4-	DATE COMPLETED: 4-1 -89
ISOLATION CASING	FROM TO FT	STATIC WATER ELEVATION: 5.45 Feet above Mean Sea Level (4/26/89)	
BLANK CASING: 2-inch schedule 40	FROM TO 12.0 FT	LOGGED BY	
PERFORATED CASING: schedu PVC-0.020	FROM 2.0 TO 22.0 FT	SAMPLING METHODS	WELL COMPLETION
SIZE AND TYPE OF FILTER PACK: No. 3 Monterey Sand	FROM TO 23.0 FT		
SEAL: pel	FROM 8.0 TO 10.0 FT; FROM 23.0 TO 24.0		
GROUT: 5%)	FROM TO .0 FT		

Recovery	Pen. Blows/6in	Depth
0.5	4	
0.5	7	
0.5	10	
0.5	3	
0.5	7	
0.5	7	
0.5	4	
0.5	8	
0.5	10	
0.5	8	
0.5	12	
0.5	15	
0.5	13	
0.5	20	
0.5	50	
0.5	17	
0.5	27	
0.5	21	
0.5	9	
0.5	11	
0.5	20	
0.5	12	20
0.5	15	
0.5	25	
0.5	7	
0.5	10	
0.5	12	
0.5	6	
0.5	10	
0.5	17	25
		30
		35



DRAFT

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

27119V

BORING LOCATION: IMO Delaval, 550 85th Avenue, Oakland,		
DRILLING COMPANY: Spectrum Exploration	DRILLER: ck Kuylendall	880008,00-G-91
DRILLING METHOD (S): Anger	DRILL BIT (S) SIZE: inch O	
ISOLATION CASING: None	FROM TO FT	
BLANK CASING: 2 Sc	FROM TO FT: 1 .0	DATE STARTED: 4- 7-89 / DATE COMPLETED: 4-1
PERFORATED CASING: 2 Sch u	FROM TO FT: 14.0 2 .0	STATIC WATER ELEVATION: 5.50 Feet Mea Level (4/26/89)
SIZE AND TYPE OF FILTER PACK: No. 3 Monterey	FROM TO FT: 12.0 29.0	LOGGED BY
SEAL: ¼ Inch Bentonite Pellets	FROM TO FT: .0 2.0	SAMPLING METHODS
GROUT: Cament/Bentonite (< 5%)	FROM TO FT	

			Depth
	0		
	0	14	
A	0.5	50	
	0.5	7	
B	0.5	6	
C	0.5	7	
	0.5	11	
D	0.5	10	
E	0.5	11	
	0.5	4	
	0.5	6	
	0.5	6	
	0.5	5	
F	0.5	7	
C	0.5	13	
	0.5	6	
	0.5	1	
	0.5	12	
	0	10	
	0	10	
	0.5	14	
	0.5	14	
	0.5	37	
	0.5	xx	
	0.5	15	20
	0.5	17	
	0.5		
	0.5		
	0.5	14	
	0.5		
	0.5	10	
	0.5	12	
			30
			35

Organic Analyzer Reading i @ 5.0 Ft.= ppm

Organ Analyzer @ 8

SANDY SILT
40-45% fine to medium sand, hard to stiff, moist to damp, light olive brown, 5% angular gravel

LEAN CLAY
5% fine grained sand, low plasticity, stiff, dry to moist, ~~moderate~~ yellowish brown

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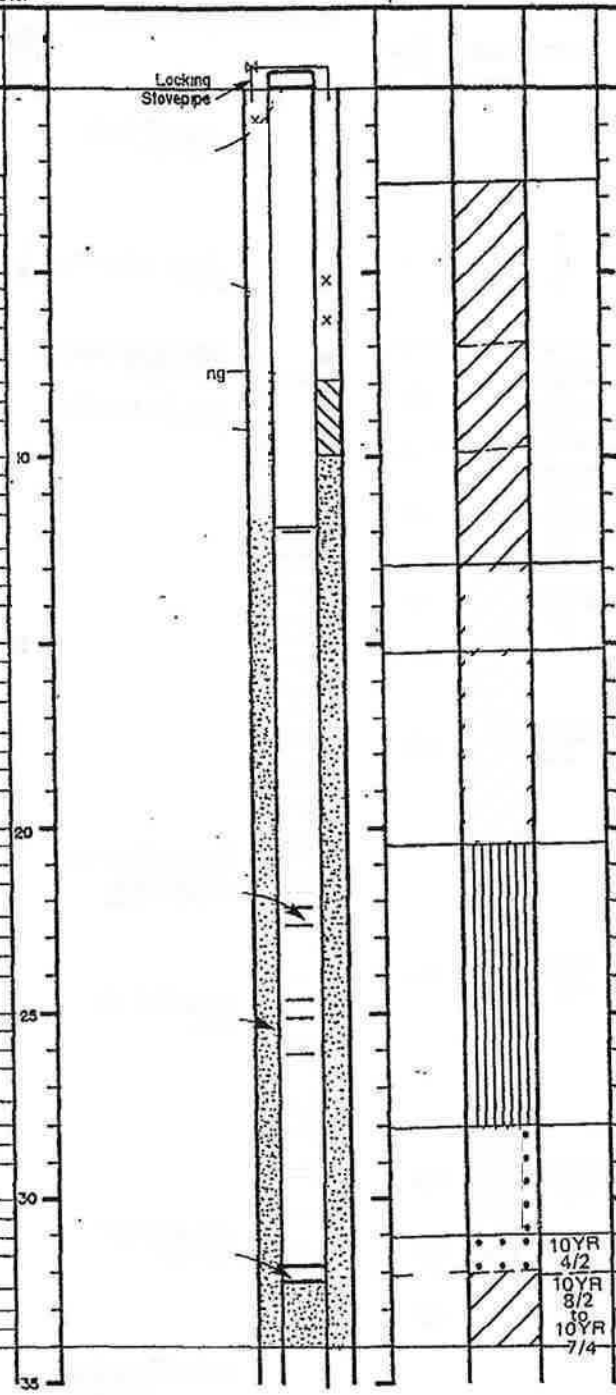
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

Inv Add
271/93

BORING TION MO . Avenue, Oakland, fornia	
DRILLING COMPANY Spectrum Exploratio	DRILLER
DRILLING METHOD (S) Anger	
ISOLATION CASING None	FROM TO FT
BLANK CASING 2-inch Schedule 40 PVC	
PERFORATED CASING 2 40 PVC-0.02 inch	
SIZE AND TYPE OF FILTER PACK No. 3 Monterey	
GROUT Cement/Bentonite (<5%)	WELL COMPLETION

	0.5	
	0.5	7
		7
		5
A		9
B		9
	0.5	4
		4
	0.5	7
C		
D		12
		3
		3
		3
		4
	0.5	9
		5
		5
		9
	0.5	3
		4
		9
		5
		5
		9
		4
		5
		6
		5
		7
		8
		5
		6
		8
		8
		13
		20



9 ppm

Open ft=

Increased clay to 30-40%

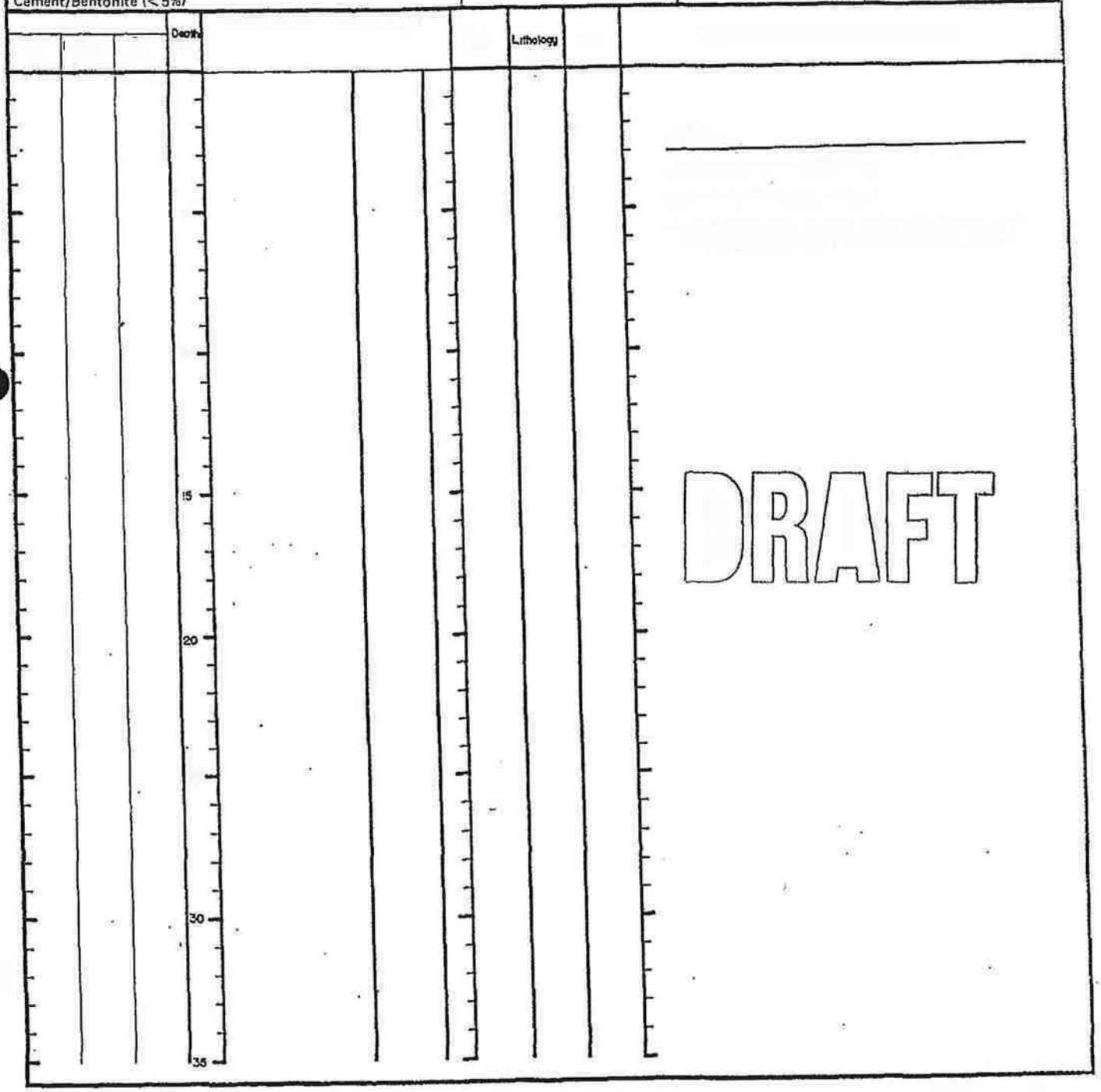
DRAFT

SAND
silt, poorly sorted, fine

greyish

93

BORING LOCATION IMO Delaval, Avenue, Oakland, California	Name MW-24
DRILLING COMPANY Spectrum Exploration	DRILLER
DRILLING METHOD (S) Anger	
ISOLATION CASING	
PERFORATED	FROM TO FT
GROUT Cement/Bentonite (<5%)	FROM TO FT
STATIC WATER ELEVATION	
LOGGED BY S.E.	
SAMPLING METHODS	



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WELL COMPLETION REPORT
(WELL LOGS)

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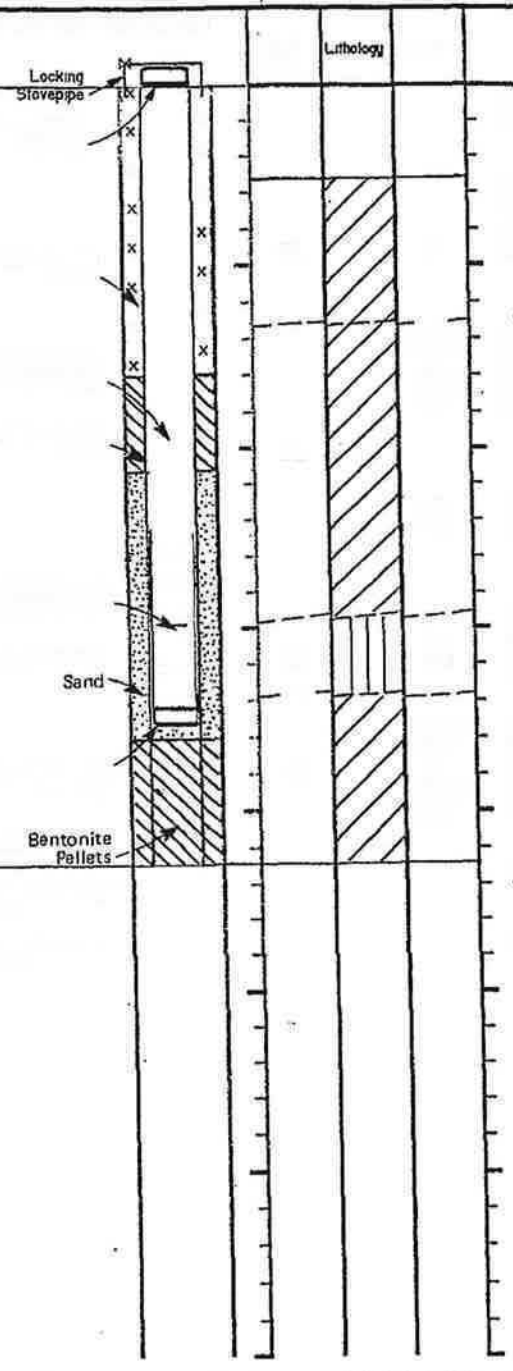
Inv
2711

BORING LOCATION Delaval, 550 Avenue, land,			
DRILLING COMPANY Spectrum Exploration			
DRILLING METHOD (S) Anger			
ISOLATION CASING	FROM TO FT		
BLANK CASING 2-inch Sched			
PERFORATED CASING 2-inch Sched	FROM TO FT	STATIC WATER ELEVATION 4.36 Feet above Mea	
SIZE AND TYPE OF FILTER PACK nterey	FROM 1 TO 8.0 FT	LOGGED BY S.E.	
SEAL Bento	FROM 8.0 TO 10.5 FT 18.0 21.5	SAMPLING METHODS	WELL COMPLETION
GROUT Cement/Bentonite (<5%)	FROM TO FT		

	Recovery	Pen. Blows/6in	Depth (Ft)
	0.5	11	
A	0.5	25	
B	0.5	22	
	0.5	5	
C	0.5	5	
D	0.5	10	
	0.5	4	
E	0.5	7	
F	0.5	10	
	0.5	6	
G	0.5	7	
H	0.5	10	
	0.5	7	10
	0.5	10	
	0.5	14	
	0.5	3	
	0.5	4	
	0.5	5	
	0.5	4	
	0.5	4	
	0.5	7	
	0.5	6	
	0.5	10	
	0.5	11	
	0.5	5	20
	0.5	5	
	0.5	8	
			25
			30
			35



Organic Analyzer Reading i @ 3 Ft.= 45 ppm

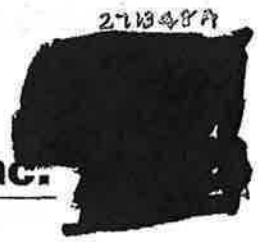
ing 5 Ft.= 240 ppm

Reading 8 Ft.= 340 ppm

O Analyzer @ 10.5 Ft.= ppm

100 ppm

DRAFT

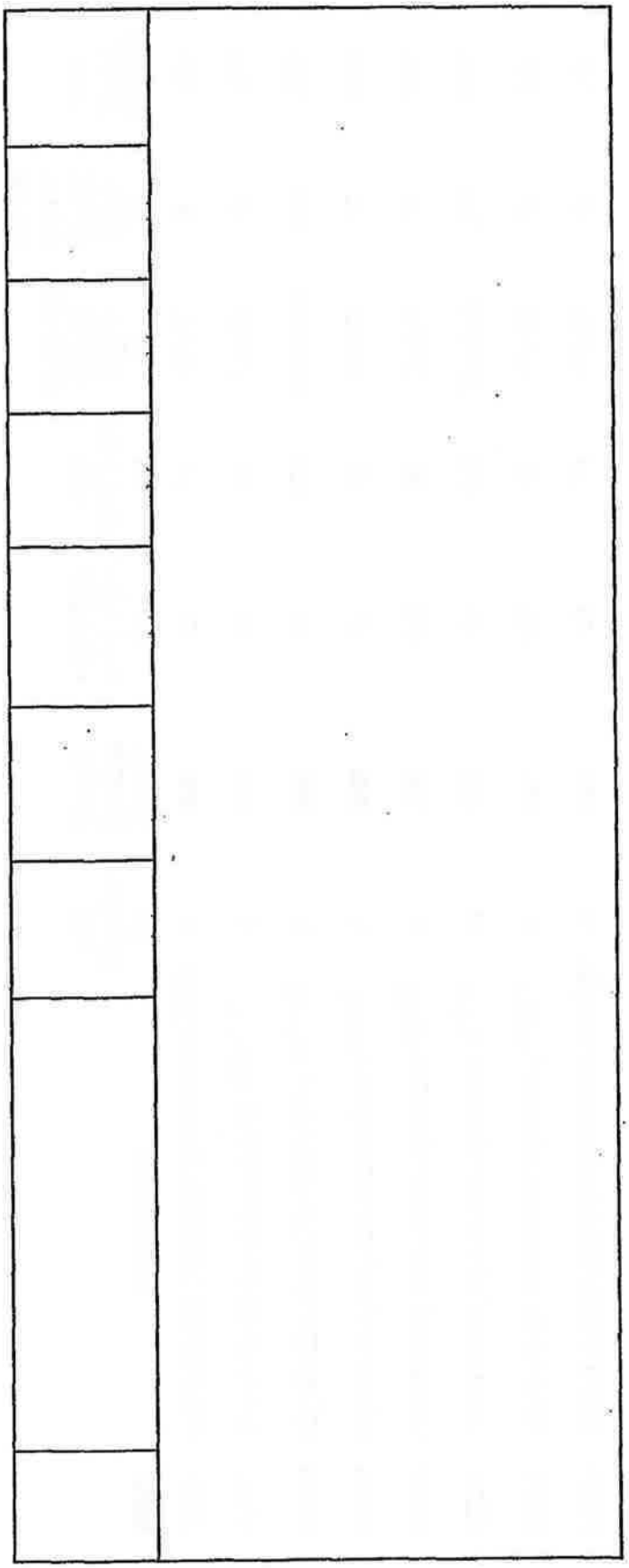


well destruction permit from t
Control and Water Conservation
excavation permit from the City
grade from the Port of Oakland.
included as Attachment B.

destroyed the eight off-site m
supervision of EKI personnel.
destroyed in accordance with A
casing, grout seal, and gravel
a hollow stem auger to the bot

2S/3W 21J 20, [redacted]

271348A [redacted]



[redacted]

21 - 27

[redacted]

ski, nc. [redacted]

Engineers

m

Inc

up

Between 8 and 11 June 1992, We
destroyed the eight off-site m
supervision of EKI personnel.
destroyed in accordance with A
casing, grout seal, and gravel
a hollow stem auger to the bot

								Material

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WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

2/1/96

BORING: Offsite IMO Delaval, Oakport St. at Hege erge jacent to OSB-2)		MW-27
DRILLING COMPANY: Spectrum Exploration	DRILLER: ylendall	Delaval
DRILLING METHOD (S): Hollow Anger	DRILL BIT (S) SIZE: 8 inch	880008.00-G-91
ISOLATION CASING	FROM TO FT	ELEVATION AND DATUM: bove MSL .0
BLANK CASING	FROM TO FT: 14.0	DATE STARTED: 4/21/89 DATE COMPLETED: 4/21/89
PERFORATED CASING: 2 inch Schedule 40 Screen (.02	FROM 14.0 TO 39.0 FT	STATIC WATER ELEVATION: 3.77 feet above Mea Sea (4/26/89)
SIZE AND TYPE OF FILTER PACK: No. 3 Monterey Sand	FROM 12.0 TO 40.0 FT	
SEAL: 1/4-inch Bentonite Pellets	FROM 0.0 TO FT	
GROUT: Cement/Benton	FROM 1.0 TO FT	

Recovery	Pen. Blows/6in	Depth
	1	
	3	
	2	
0.5	1	
0.5	2	
0.5	2	
0.5	3	
0.5	3	
0.5		
0.5	4	
0.5	5	
B	8	
0.5	1	
	2	
0.5	6	
0.5	2	
0.5	7	
0.5	15	
0.5	11	20
0.5	23	
0.5	25	25
		30
		35

Organic Vapor Analyzer @ 3.5 Ft.= 500 ppm

lyzer in @ 5.0 Ft.= 100 ppm

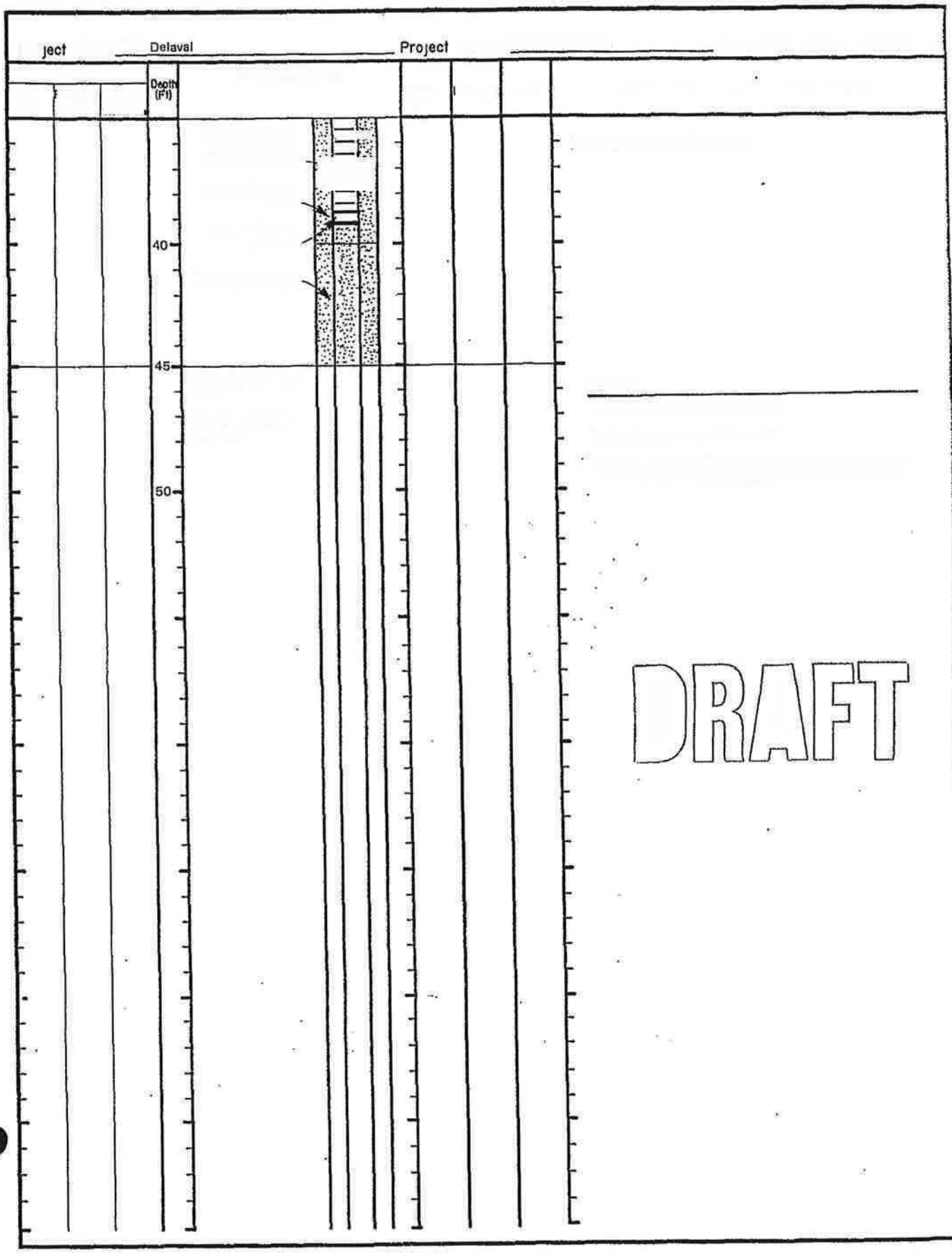
Reading 8 Ft.= 30 ppm

Organic Vapor Analyzer @ 11 Ft.= ppm

DRAFT

SILTY SAND
Fine grained sand, 35-40% silt, stiff to hard, moist, dark yellowish orange

SAND
Fine to coarse sand, 50-60% coarse grained, 10-15% gravels, stiff to hard, saturated, stiff to hard, saturated


ject
Delaval
Project
Depth (Ft)
40
45
50
DRAFT

25/3W 21J [redacted]

35-27119014

[redacted]

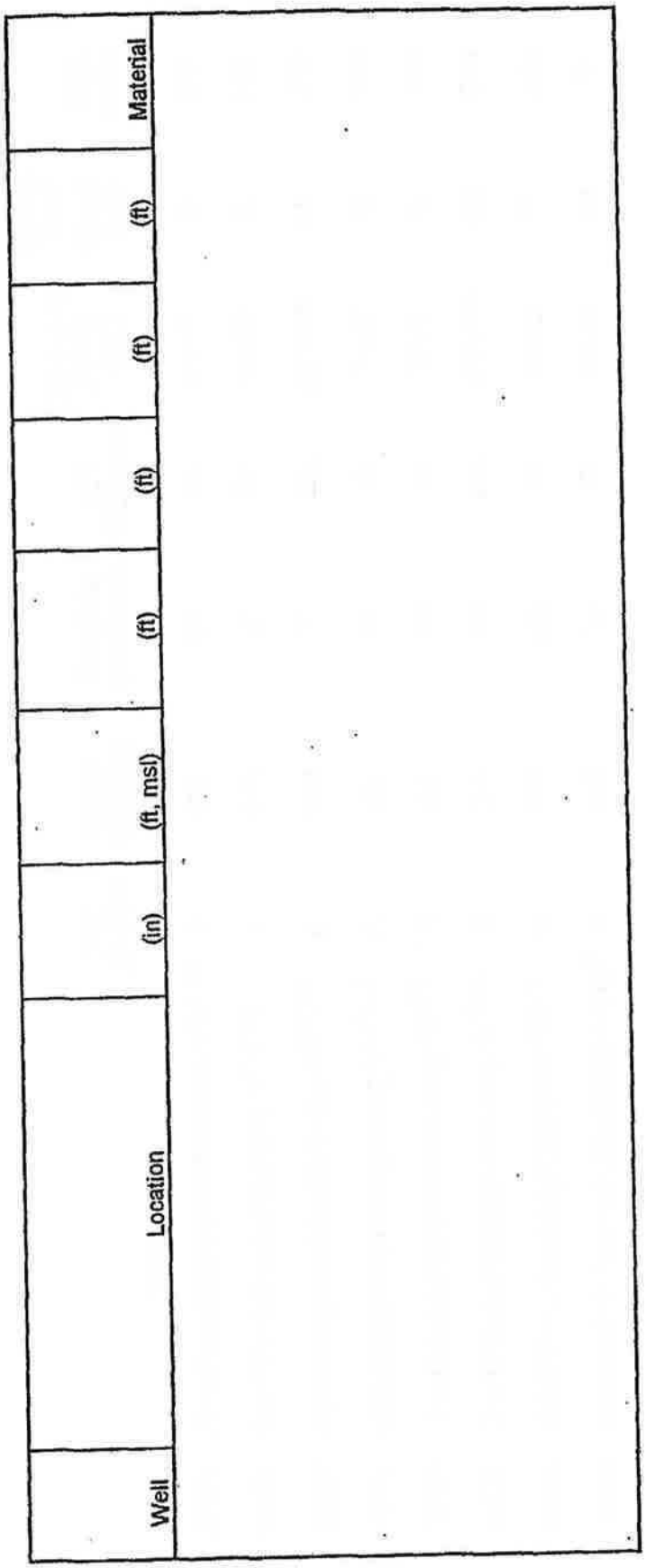
nc.

um

c

25/3W 21J [redacted]

19[redacted]



/3 J[redacted]

NI - 27,1190 I[redacted]

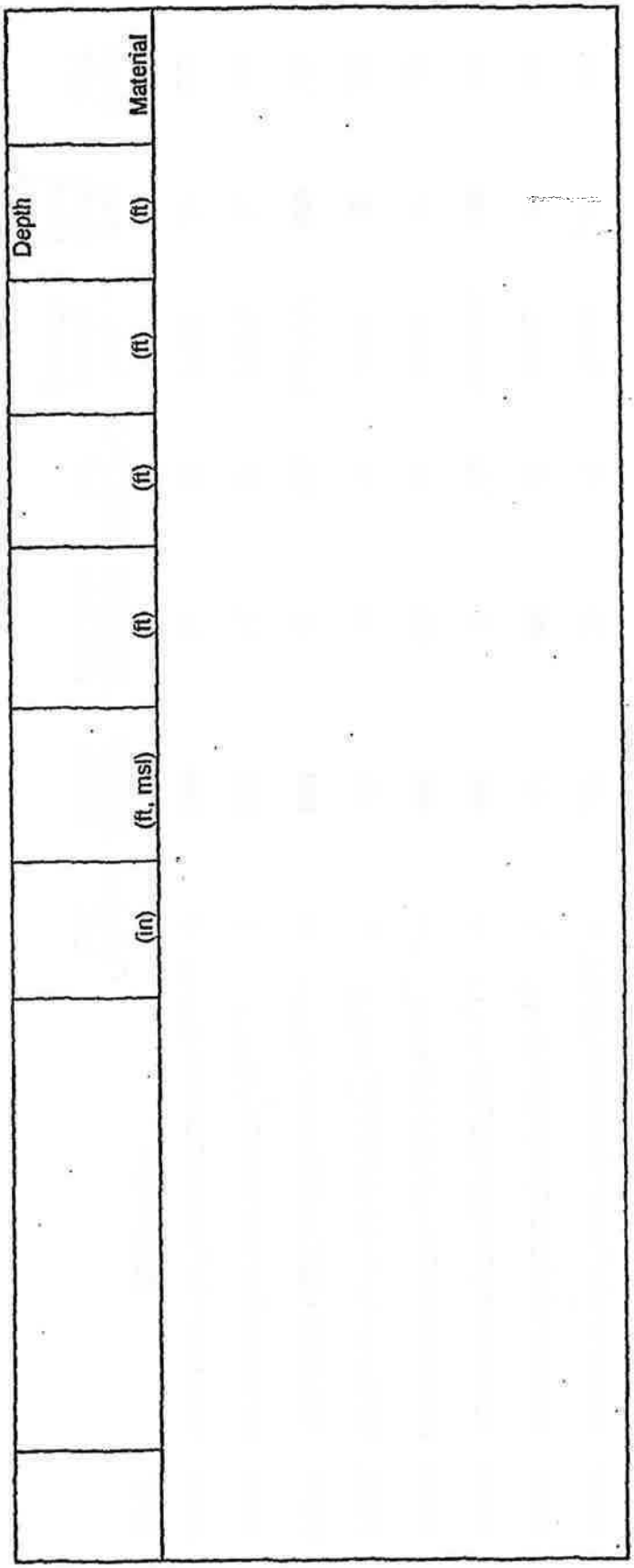
, Inc.[redacted]

well destruction permit from t
Control and Water Conservation
excavation permit from the City
grade from the Port of Oakland.
included as Attachment B.

destroyed the eight off-site m
supervision of EKI personnel.
destroyed in accordance with A
casing, grout seal, and gravel
a hollow stem auger to the bot
Using a tremie pipe, the resul
neat cement to 2 feet below gr

23/3W 21 [redacted]

of [redacted]

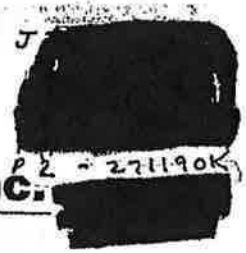


destroyed the eight off-site m
supervision of EKI personnel.
destroyed in accordance with A
casing, grout seal, and gravel
a hollow stem auger to the bot

Cold patch asphalt was used to
around monitoring well MW-32,
California, Department of Motor
Surface repair was not required
due to the fact that these well
strips, or right-of-ways along
of Oakland streets.

Soil and debris generated during
eight wells were placed in 55-ga
the IMO Delaval site for disposa
Oversized materials (e.g., PVC w
stored on-site next to the drum

25/3W 21



m

The destroyed monitoring wells
confirm groundwater gradient o
of these wells eliminates the p
may serve as potential conduits
monitoring well, there exists
may be introduced into the well
yandalism or fluid entry around
or grout seal that has shrunk.
with wells that are seldom samp

well destruction permit from t
Control and Water Conservation
excavation permit from the City
grade from the Port of Oakland.
included as Attachment B.

Between 8 and 11 June 1992, We
destroyed the eight off-site m
supervision of EKI personnel.
destroyed in accordance with A
casing, grout seal, and gravel
a hollow stem auger to the bot
Using a tremie pipe, the resul
neat cement to 2 feet below gr

Well	Well	(in)	(ft, msl)	(ft)	(ft)	(ft)	Depth (ft)	Material

25/3W

[redacted]

Inc. f1 190-

[redacted]

m

27190

Inc.

may serve as potential condui
monitoring well, there exists
may be introduced into the wel
vandalism or fluid entry aroun
or grout seal that has shrunk.
with wells that are seldom samp

well destruction permit from t
Control and Water Conservation
excavation permit from the City
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destroyed in accordance with A
casing, grout seal, and gravel
a hollow stem auger to the bot

Cold patch asphalt was used to
around monitoring well MW-32,
California, Department of Moto
Surface repair was not require
due to the fact that these wel

PV

Andrew N. Safford, P.E.
Project Engineer

a

Well	Location	(in)	(ft, msl)	(ft)	(ft)	(ft)	Depth (ft)	Material

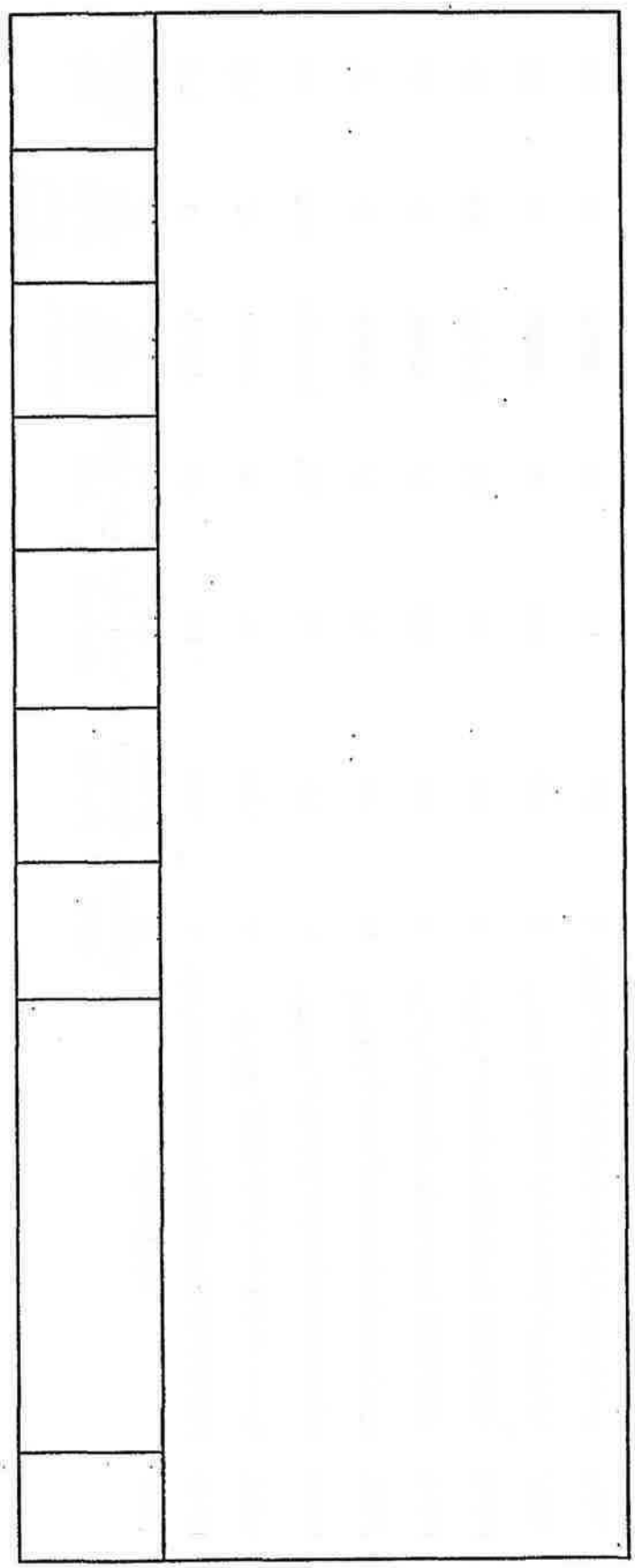
[redacted]

, Inc.

7271189

Between 8 and 11 June 1992, We
destroyed the eight off-site m
supervision of EKI personnel.
destroyed in accordance with A
casing, grout seal, and gravel
a hollow stem auger to the bot

a



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WELL COMPLETION REPORT
(WELL LOGS)

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Inv/Addv

LOCATION: Offsite I Delaval, Oakport St. Hegenberger (Adjacent OSB-3)			
DRILLING COMPANY: Spectrum Exploration	DRILLER: Kuylendall		
DRILLING METHOD (S): Hollow Anger	DRILL BIT (S) SIZE:		
ISOLATION CASING: None	FROM TO FT		
BLANK CASING: 2-inch Schedule 40	FROM 0.5 TO 22.5 FT	DATE STARTED: 4-21-89	DATE COMPLETED: 4-21-89
PERFORATED CASING: 2-inch PVC-0.02 slots	FROM 22.5 TO 27.5 FT	STATIC WATER ELEVATION: See (4-26-89)	
SIZE AND TYPE OF FILTER PACK: No. 3 Monterey	FROM 20.5 TO 29.0 FT	LOGGED BY:	
SEAL: 1/4-inch Bentonite Pellets	FROM 18.5 TO 20.5 FT	SAMPLING METHODS:	WELL COMPLETION:
GROUT: Cement/Bentonite	FROM TO 18.5 FT		

	Recovery	Pen. Blows/ft	Depth	CONSTRUCTION	Lithology
	0.5	1			
	0.5	1			
	0.5	3			
	0.5	1	5		CL
	0.5	1			
A	0.5	3			
	0.5	1			ML
	0.5	1			
	0.5	2			
	0.5	3	10		
	0.5	6			
B	0.5	8			CL
	0.5	5			
	0.5	6			
	0.5	7			
	0.5	3	15		
	0.5	5			
	0.5	5			
	0.5	4			
	0.5	6			
	0.5	8			
	0.5	3	20		
	0.5	2			
	0.5	4			
	0.5	12			
	0.5	20			
		23			
	0.5	1	25		
	0.5	15			
	0.5	35			
		9			
	0.5	14			
			30		
			35		

Analyzer Angers @ 2.5 Ft.= 20-30 ppm

Reading 5 Ft.= 8 ppm

Reading Ft.= 8 ppm

10.5 Ft. 8 ppm

13 Ft.= 8 ppm

DRAFT

SAND WITH GRAVEL
Well sorted, fine to course grained, 15-20% angular gravels up to 1/4-1/2 inch, 10% silt, hard, saturated, dark yellowish brown

WATER RESOURCES 20 E 7 MANAGEMENT

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCA 8 WELLS (3 @ corner of Shellmound Ave. 85th; 2 along Hwy 880 S. bound off-ramp; 3 along Edgewater, Oakland Attached

CLIENT
Name Imo Industri
Address 3450 Princeton Pike (609) 896-76
City Lawrenceville, NJ

L
Name Erler + Kalinowski, Inc. (A.)
Attn: Mr. Paul Hoffey
ress 1730 S. Amphlett #320 Phone (415) 578-1172
City San Mateo, CA

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POSED
ost
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LLER

TECHN (E.)

ST

2 May 19
29 May 1992

May

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GNA Stephen A Tarantino Date 5/18/92

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WELL COMPLETION REPORT
(WELL LOGS)

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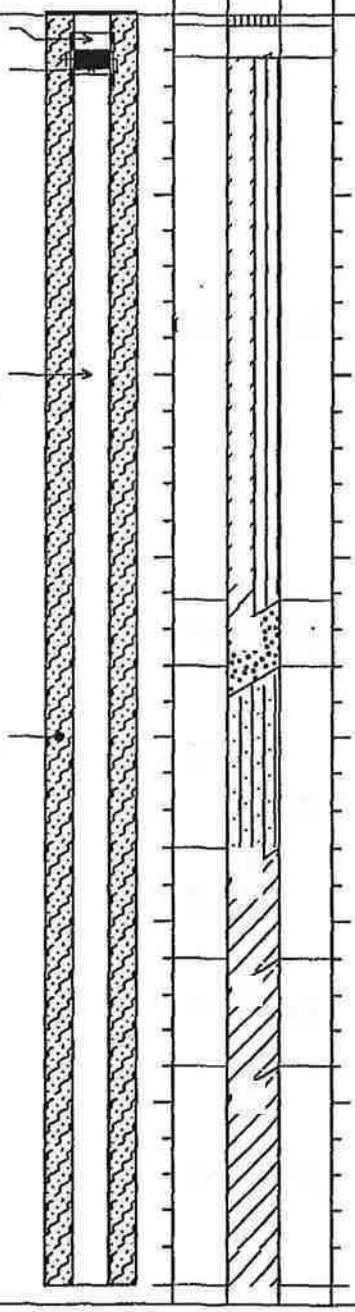
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

g g A

LOCATION ARKING LOT OAKLAND, CA		
NG CO DEVELO	LER AY	
NG METHOD (S) DIARY	DRILL B 10-INCI	
TION CASING ECTIONS, REMO		T SE
CASING H 7. SCHEDULE 40 PVC		T 11
RATED CASING H I.D. SCH.40 0.02-INCH SLOTS	FROM TO 45 !	
AND TYPE OF FILTER PACK INTEREY CLEAN, WASHED SAND		
SEAL BENTONITE PELLETS.		
JT MENT/5%		



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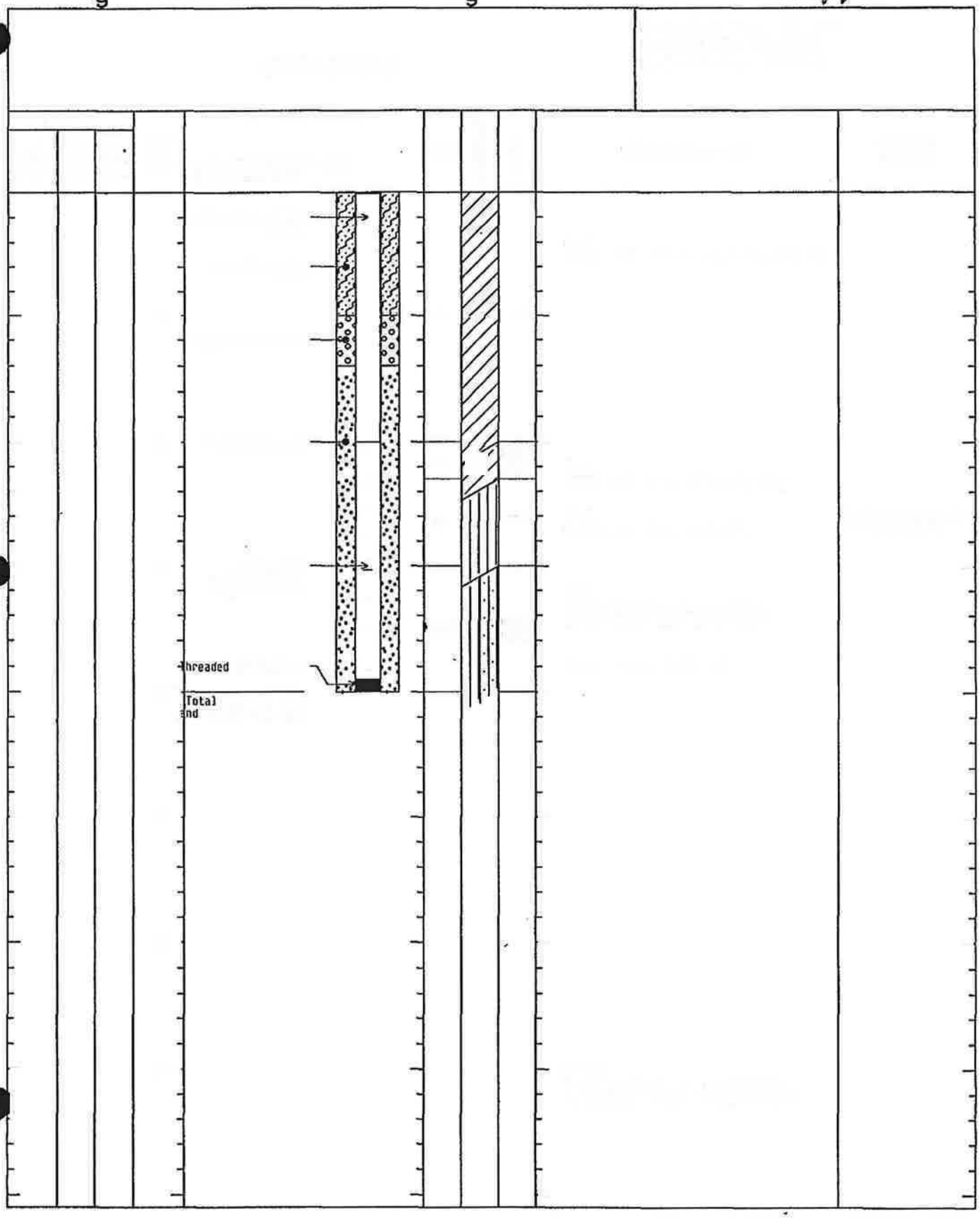
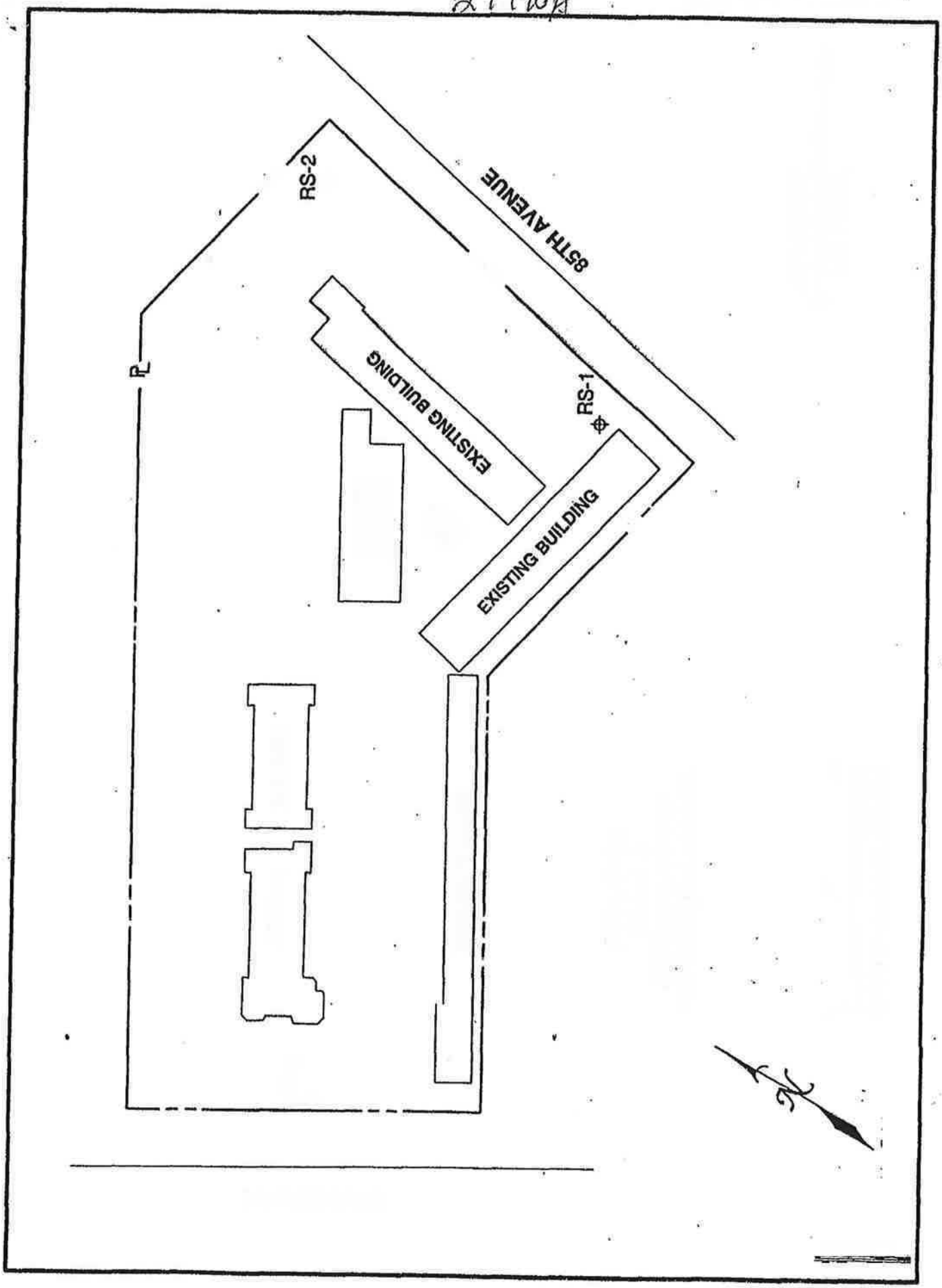
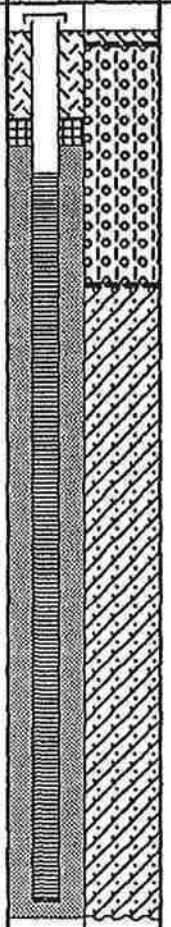


27190A





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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

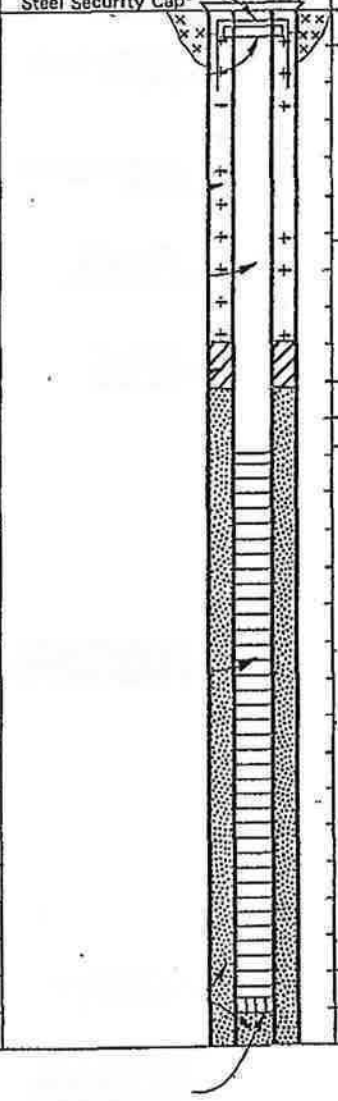
REMOVED

9547

BORING LOCATION: IMO Delaval 550 85th Avenue, Oakland, CA 94621			MW-8
DRILLING COMPANY: Maggiora Drilling,			
DRILLING METHOD (S): Hollow Auger			
ISOLATION CASING: —	FROM —	TO —	FT.
BLANK CASING: Schedule 40 PVC, 2-inch diameter	FROM 0.2	TO 12.0	FT.
PERFORATED CASING: Schedule 40 PVC, 2-inch diameter, .020-	FROM 12.0	TO	FT.
SIZE AND TYPE OF FILTER PACK: Lonestar No. 3 Filter Sand	FROM	TO 28.0	FT.
SEAL: Hydro pellets, 3/8-inch	FROM 9.0	TO 0.2	FT.
GROUT	FROM 0.5	TO 9.0	FT.

ELEVATION AND DATUM: 8.72-feet	TOTAL DEPTH: 28-feet
DATE STARTED: 4/25/88	DATE COMPLETED: 4/25/88
STATIC WATER ELEVATION after development: 3.7-feet, measured 4/28/88	
LOGGED BY	

SAMPLES | Depth | CONSTRUCTION | Lithology



GRAVELLY CLAY with SAND

Brown; 60% clay; 10-15% medium to coarse sand; 10% brown, tan, white, and green gravels up to 1-inch; trace fine sand and silt; decreasing sand with depth

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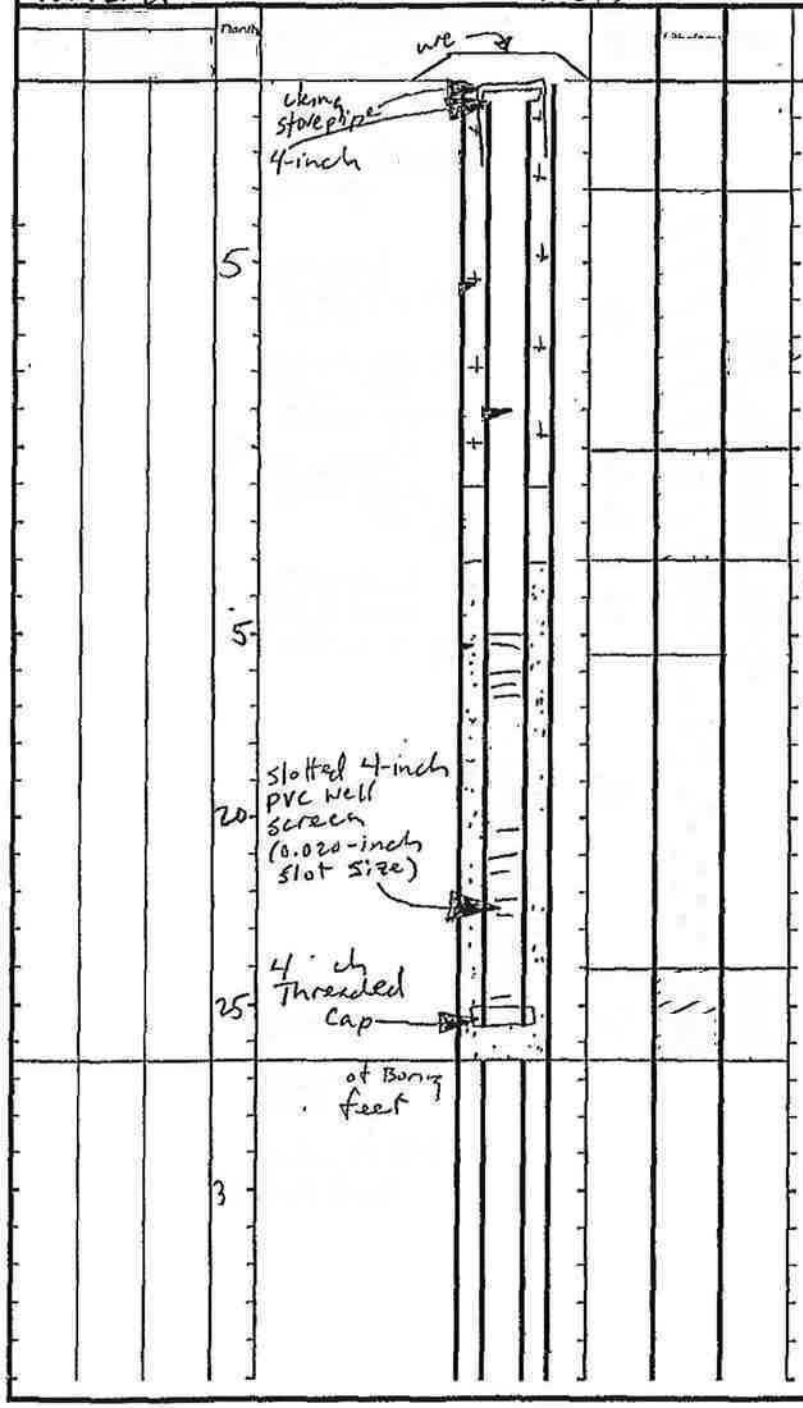
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

371188 Inv/Add/2
California 94612

BORING LOCATION: Imo Delaikl 550 5th Avenue, Oakland,	MW-
DRILLING COMPANY: Spectrum Explora n, Inc	
	ELEVATION AND DATUM: — / TOTAL DEPTH: 26.5 fee
BLANK CASING: Schedule 40 PVC, 4 meter — FROM 5,0 TO — FT.	
PERFORATED CASING: Schedule to PVC 4-inch Diameter, .020-inch Slots — FROM 15,0 TO 5,0 FT.	
NO TYPE OF FILTER PACK: ounster No. 3 Filter Sand — FROM — TO 25,0 FT.	
SEAL: Volt, 3/8 inch — FROM 1. TO 13. FT.	SAMPLING METHODS: — / WELL COMPLETION: —
GROUT: Portland Cement / Bentom (3-5%) — FROM — TO — FT.	



orange hard

POORLY GRADED
dark yell b , fine to
ff to l

We GRADED
ello ff to

FAT CLAY
Moderate yellow brown to high plasticity, stiff, moist

A)

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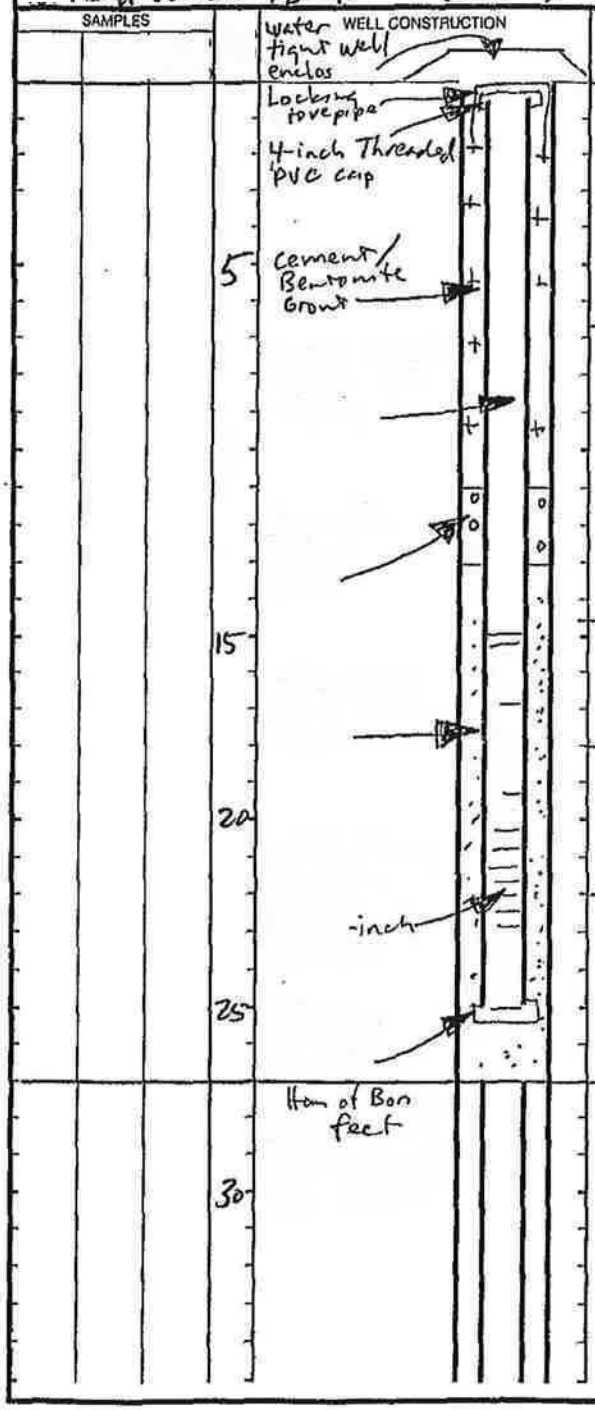
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

BORING LOCATION	Delaval Avenue, Oakland, CA 946
COMPANY	ectrum Explorati , Inc.
DRILLING METHOD (S)	Hollow Stem Auger
ISOLATION CASING	FROM TO FT.
BLANK CASING	Schedule 40 PV , inch Diameter FROM .5 TO 1 FT.
PERFORATED CASING	10 PVC, 4 inch Diame , 0.020 inch Slots FROM 15. TO FT.
SIZE AND TYPE OF FILTER PACK	onestar No. 3 FROM 13. TO FT.
SEAL	Bentom , 3/8 inch FROM TO FT.
	Hand Cement/Bento (3-5%) FROM 1. TO FT.
DRILLER	
	Delaval, Oakland
ELEVATION AND DATUM	
STATIC WATER ELEVATION	

SAMPLES

WELL CONSTRUCTION



F Am

yellow stiff,

SILT Pale
Mottled, ~~dark~~ yellowish brown to dark yellow brown, non plastic, stiff, saturated

grayish orange green, fine q saturated

LEAN CLAY
li

4. Color designati accordance with Rock chart (Geology of America, 1984)

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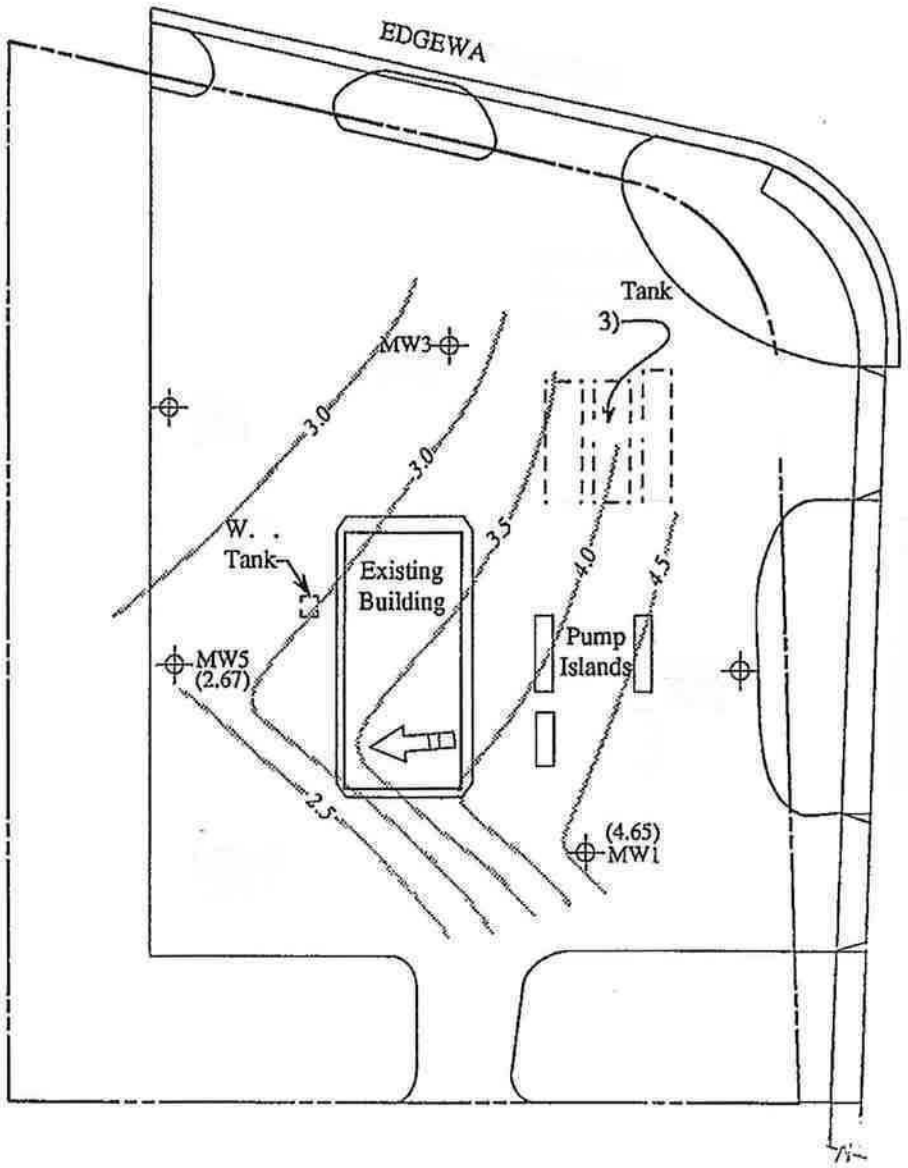
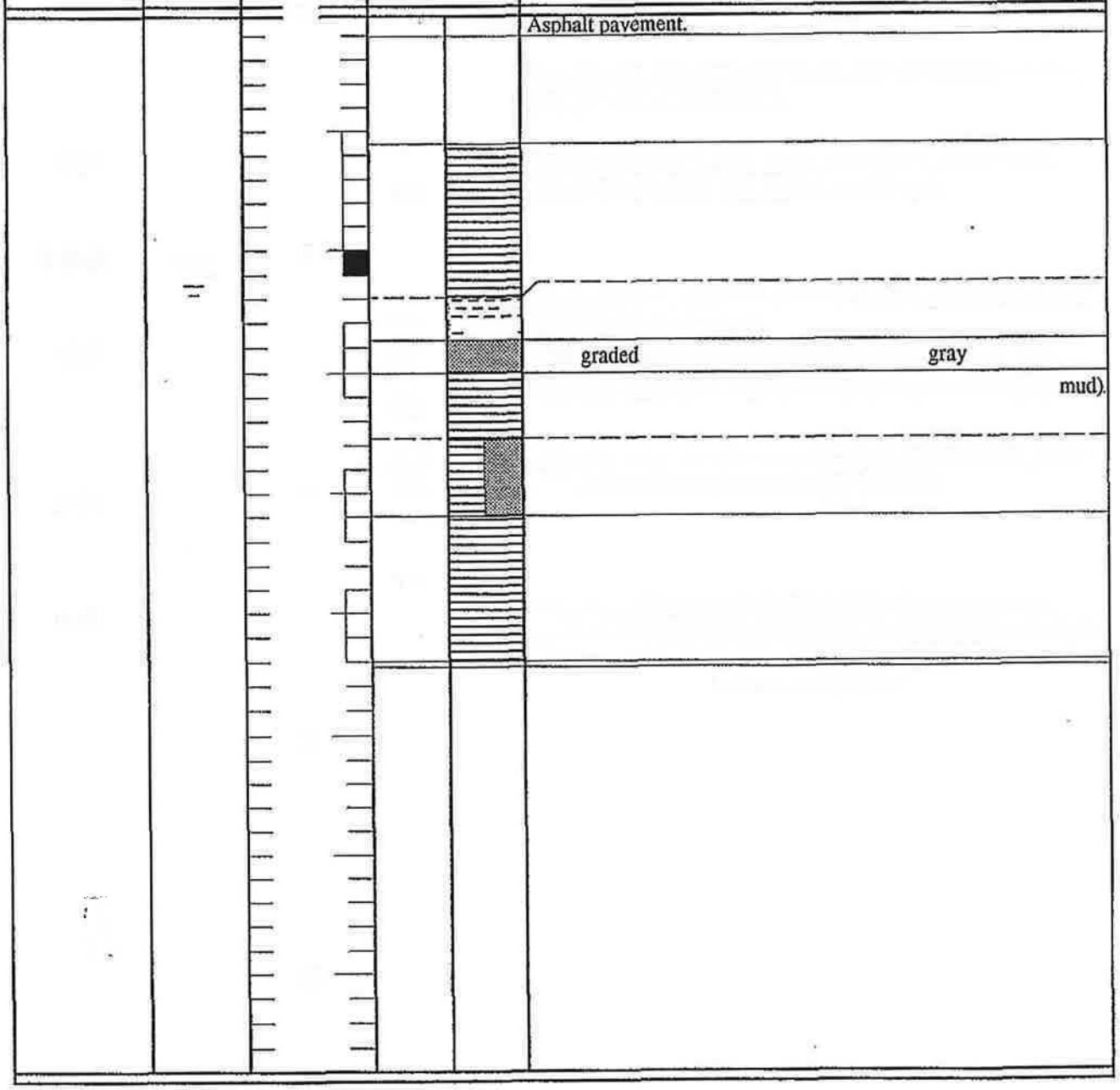
STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

25/3W21Q 5&6?

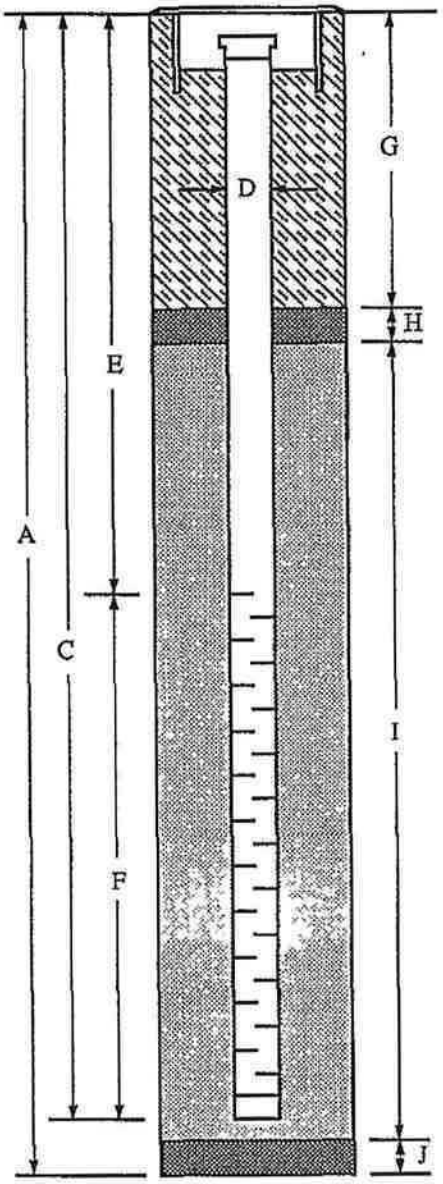
B[redacted]
A




Asphalt pavement.
graded
gray
mud).

413612A

Hegenberger Rd., WELL .



Material:

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WELL COMPLETION REPORT
(WELL LOGS)

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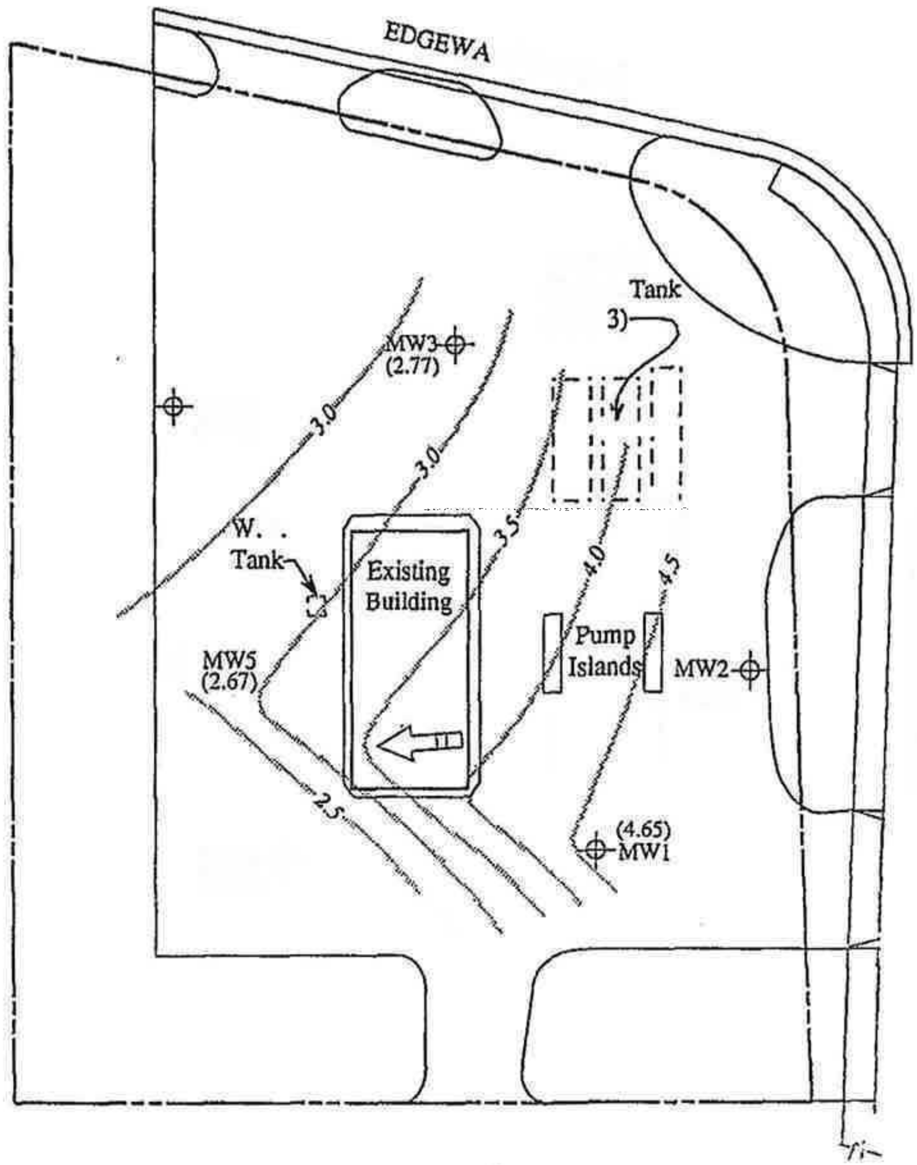
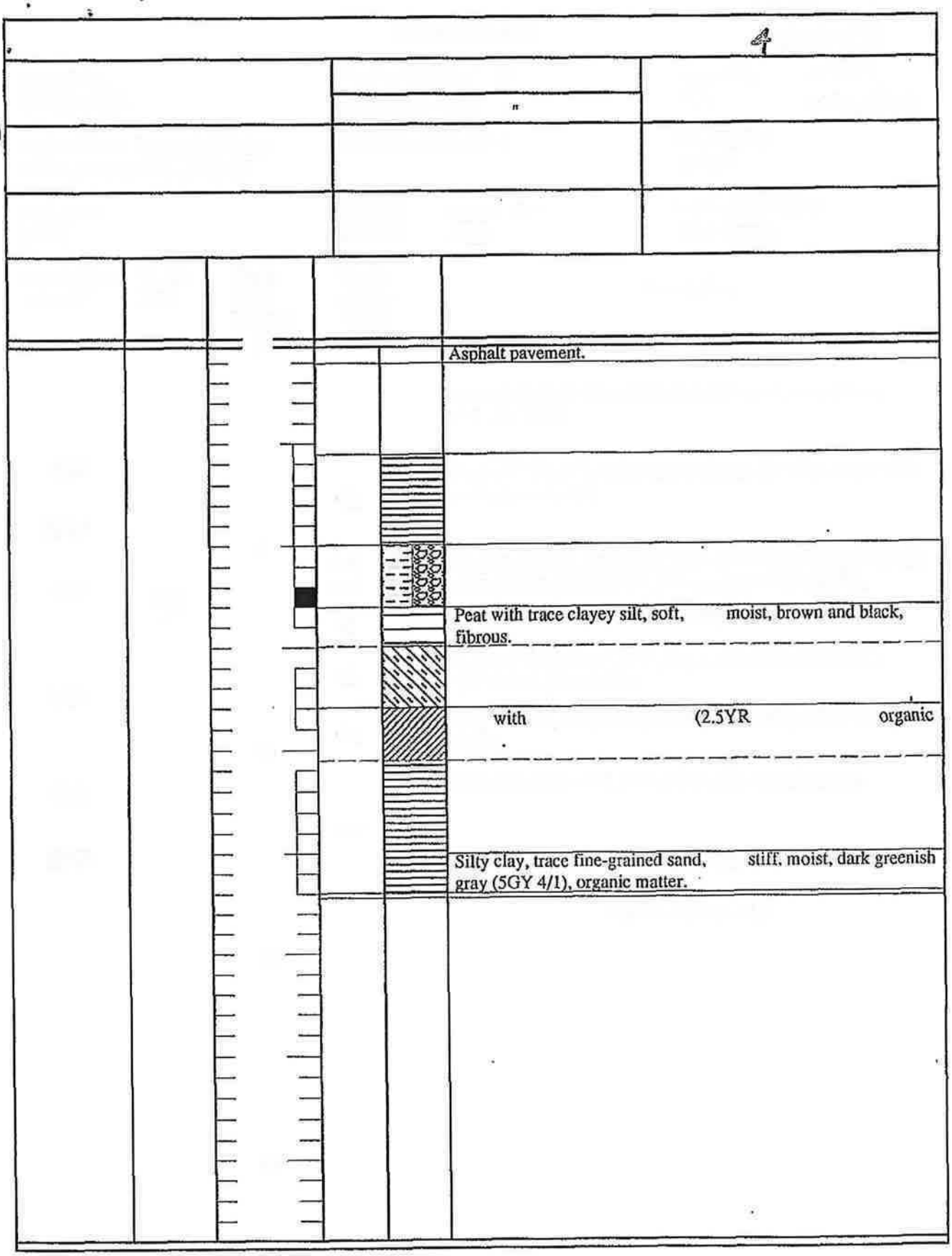
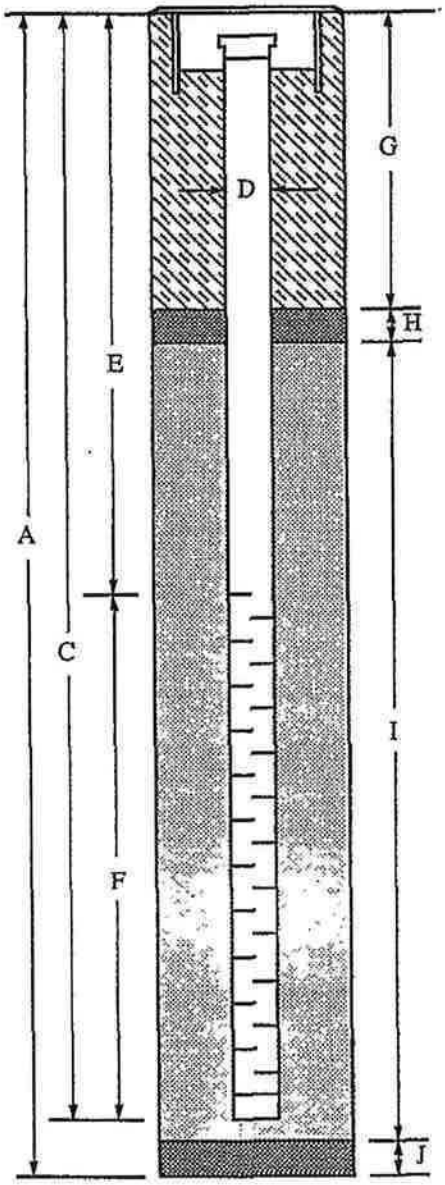
2S/3W21Q
8[redacted]B




Asphalt pavement.
Peat with trace clayey silt, soft, moist, brown and black, fibrous.
with (2.5YR organic
Silty clay, trace fine-grained sand, stiff, moist, dark greenish gray (5GY 4/1), organic matter.

WELL



Stem

ter:

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(WELL LOGS)

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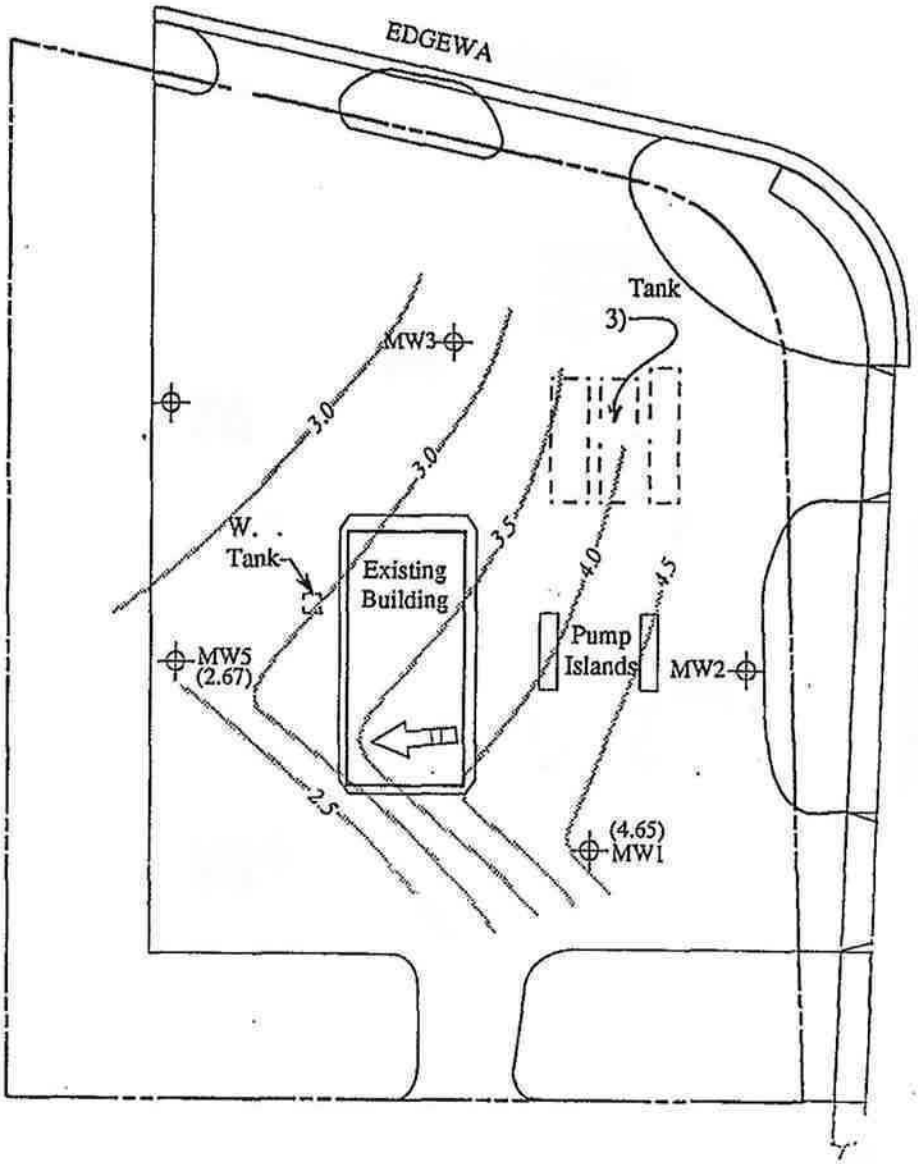
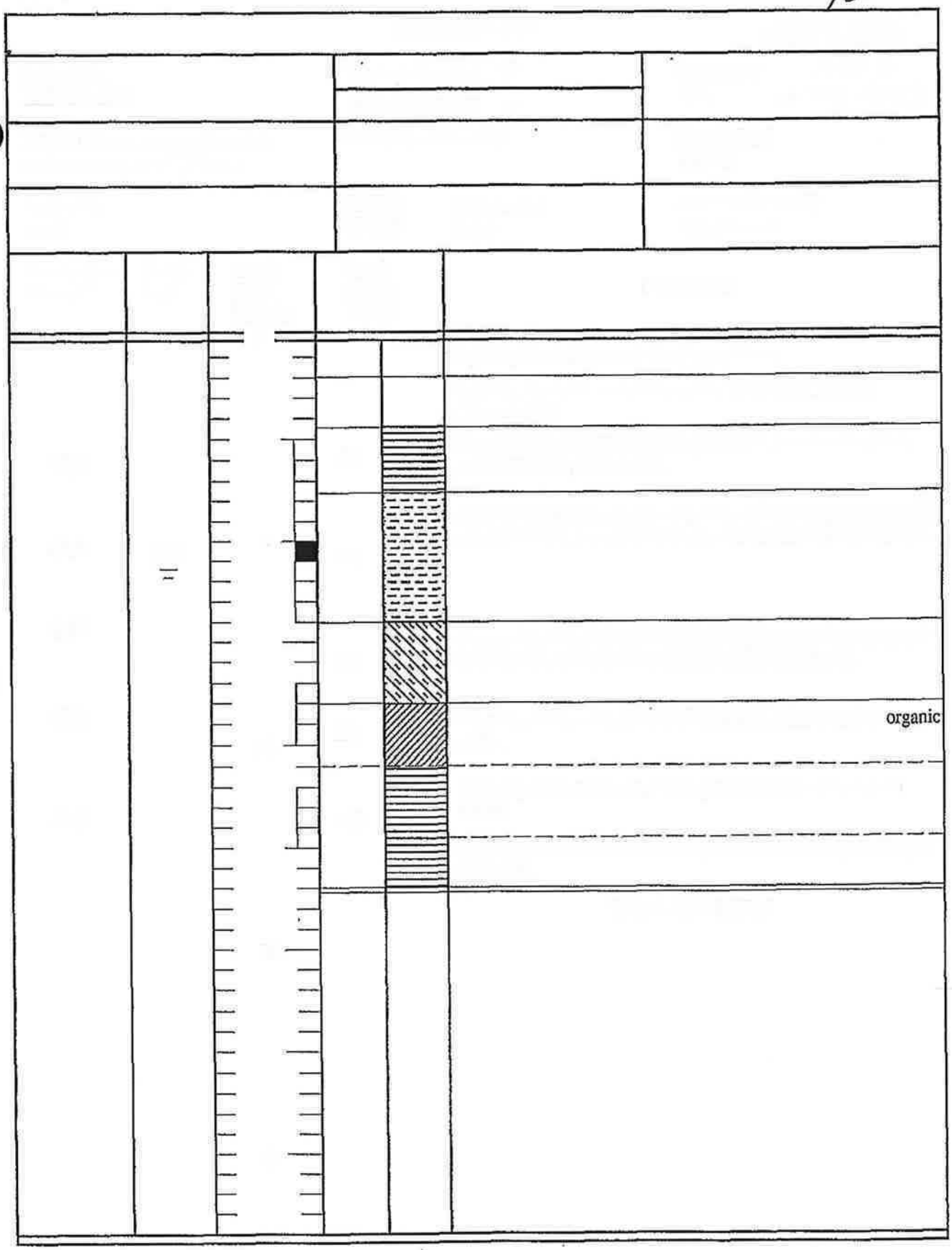
25/3W21Q 5½ 7

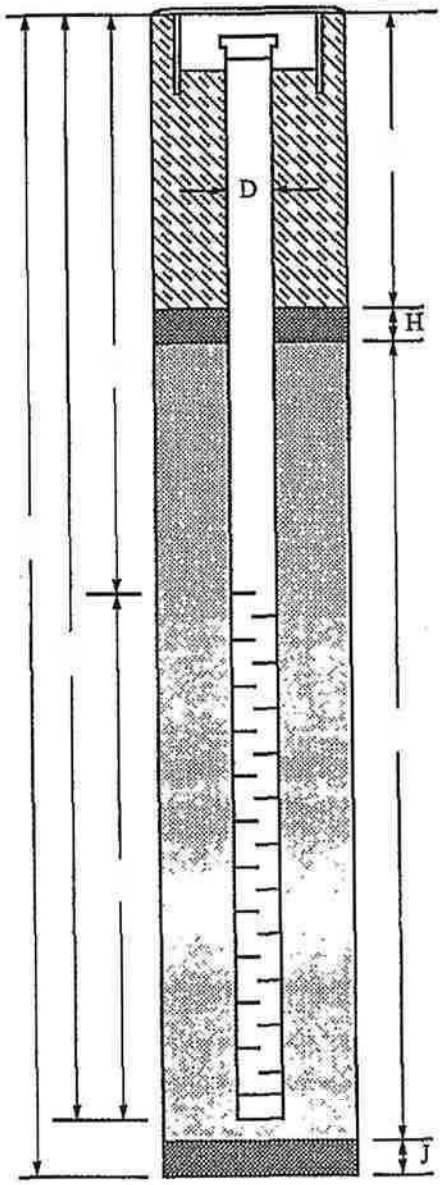
B [redacted] C




organic

413618C 25/3W 21

Hegenberger WELL



Size:

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(WELL LOGS)

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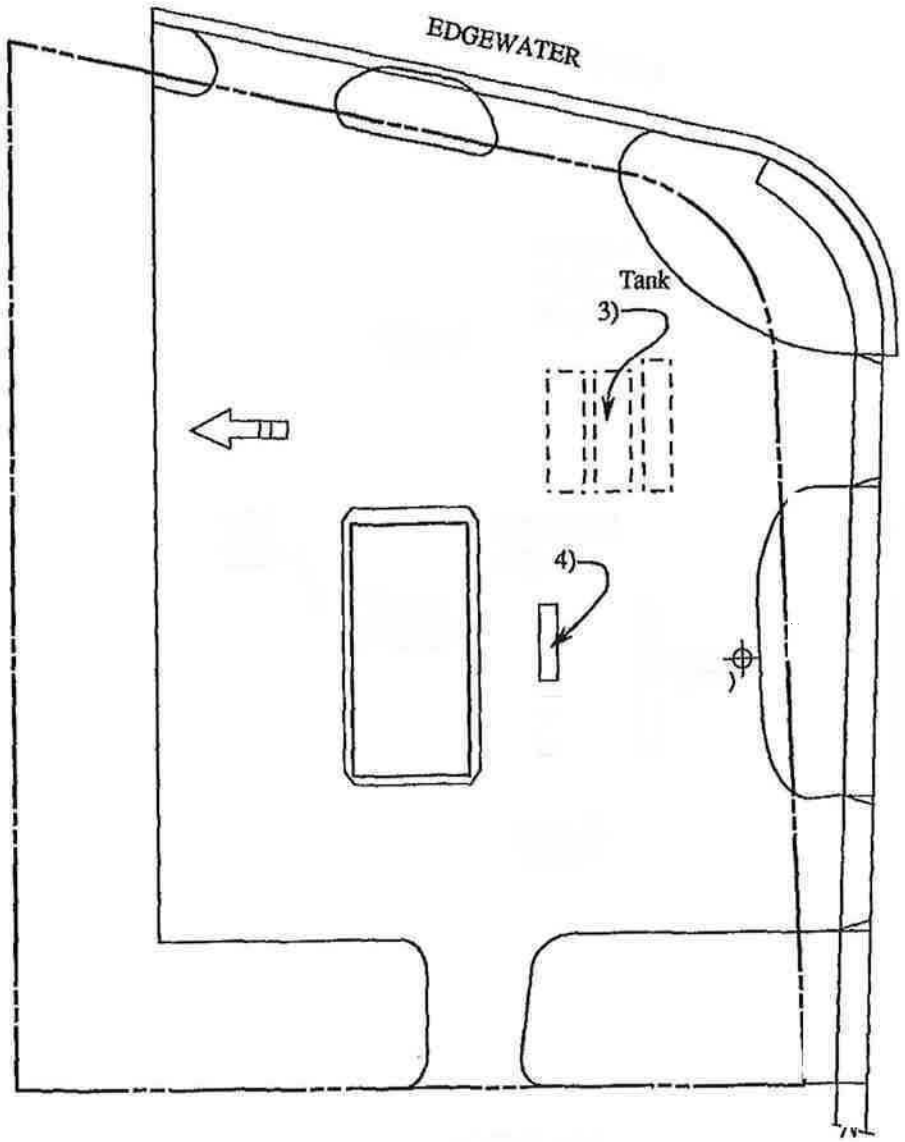
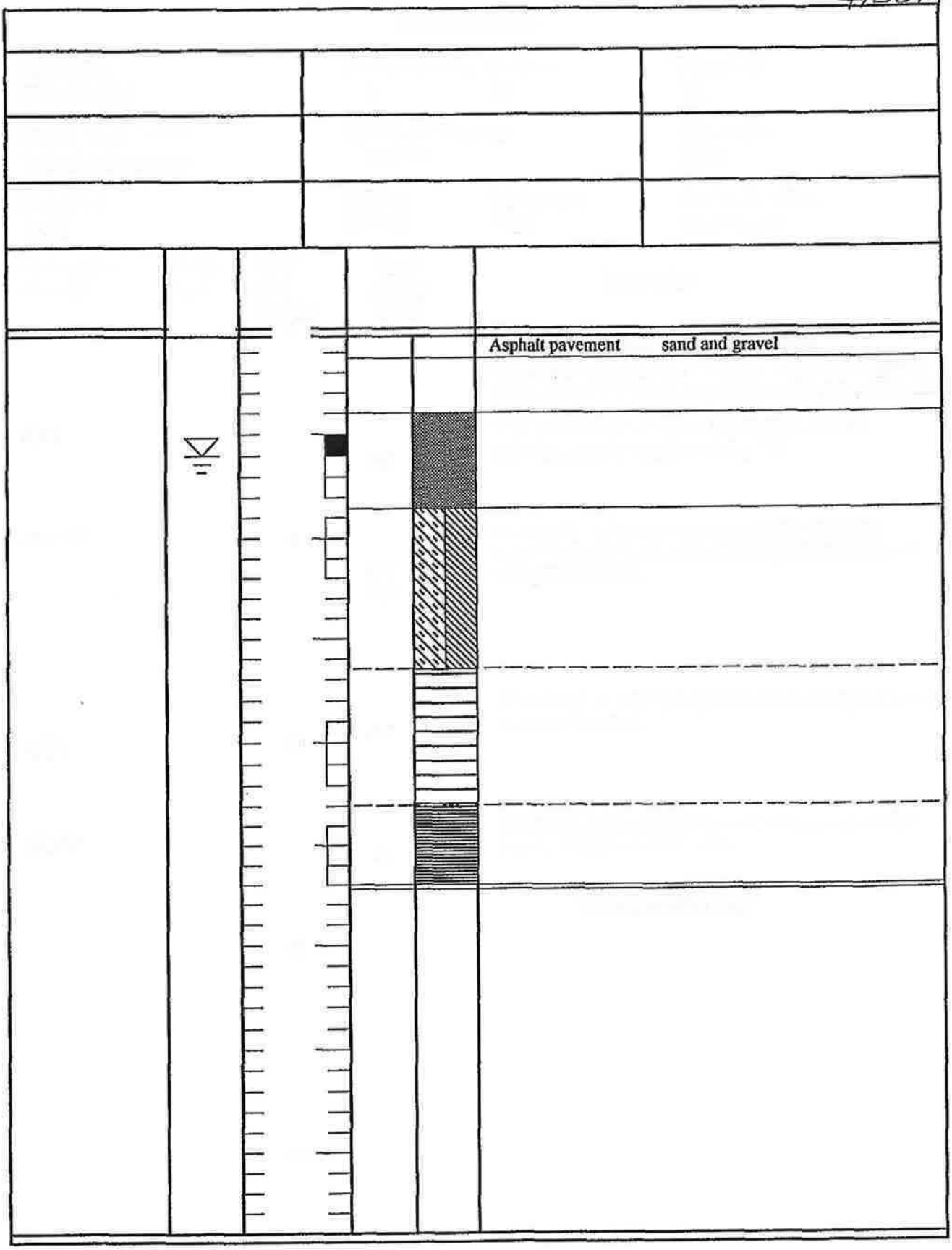
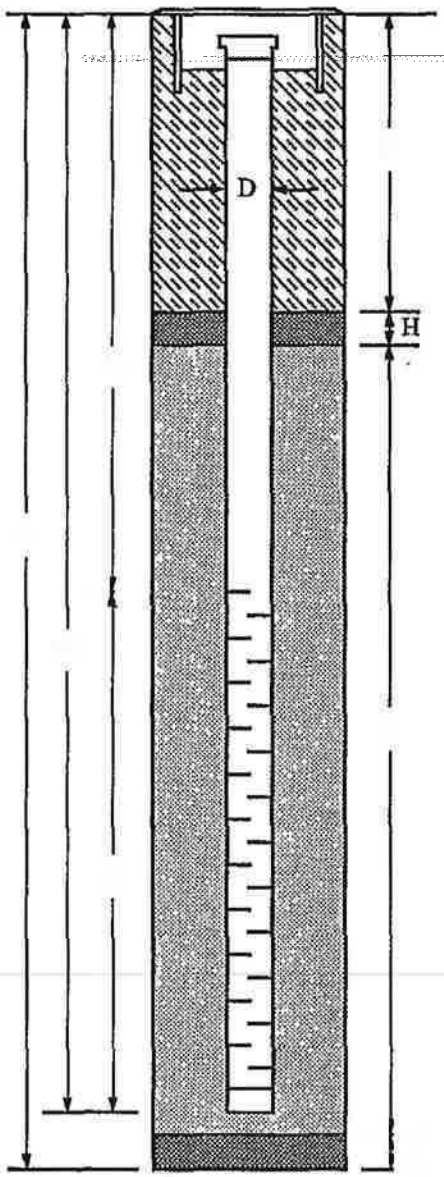

EDGEWATER
Tank
3)
4)

413694




D
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(WELL LOGS)

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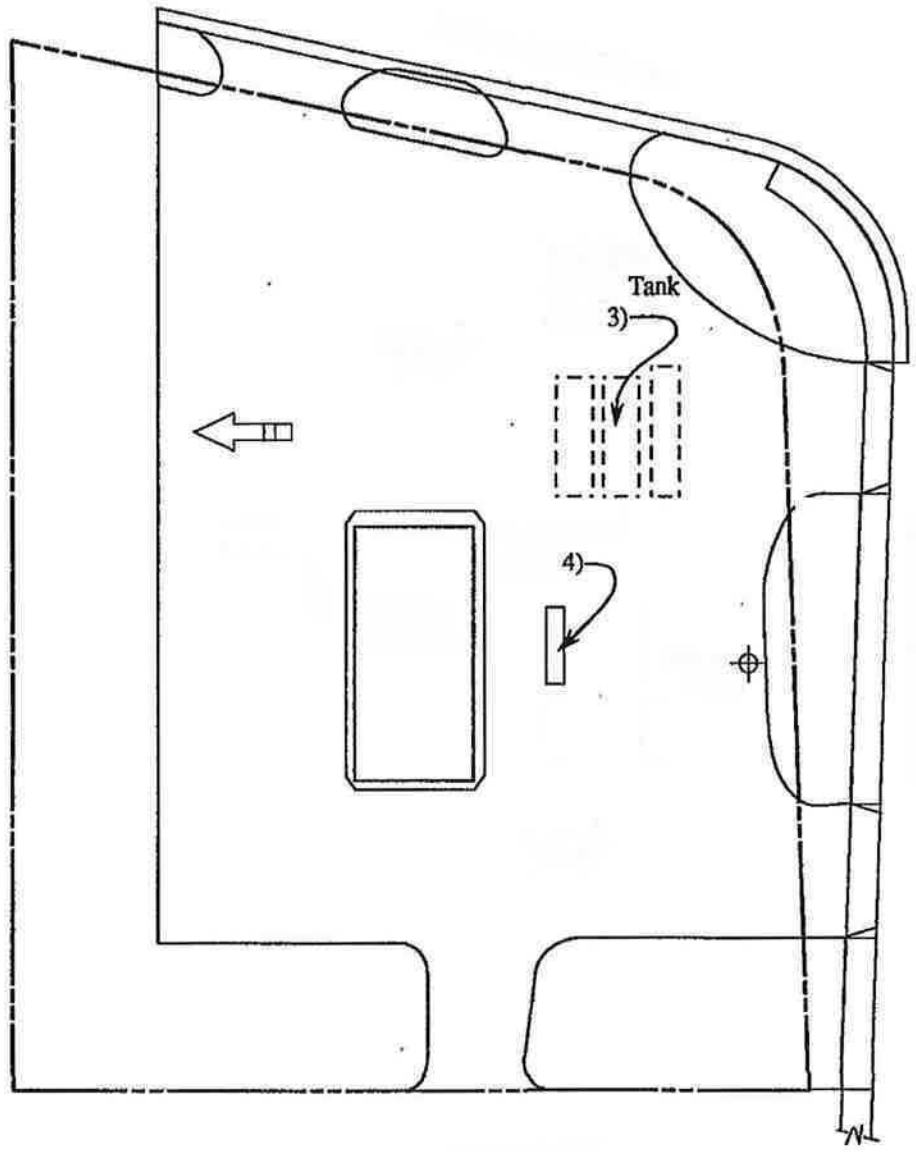
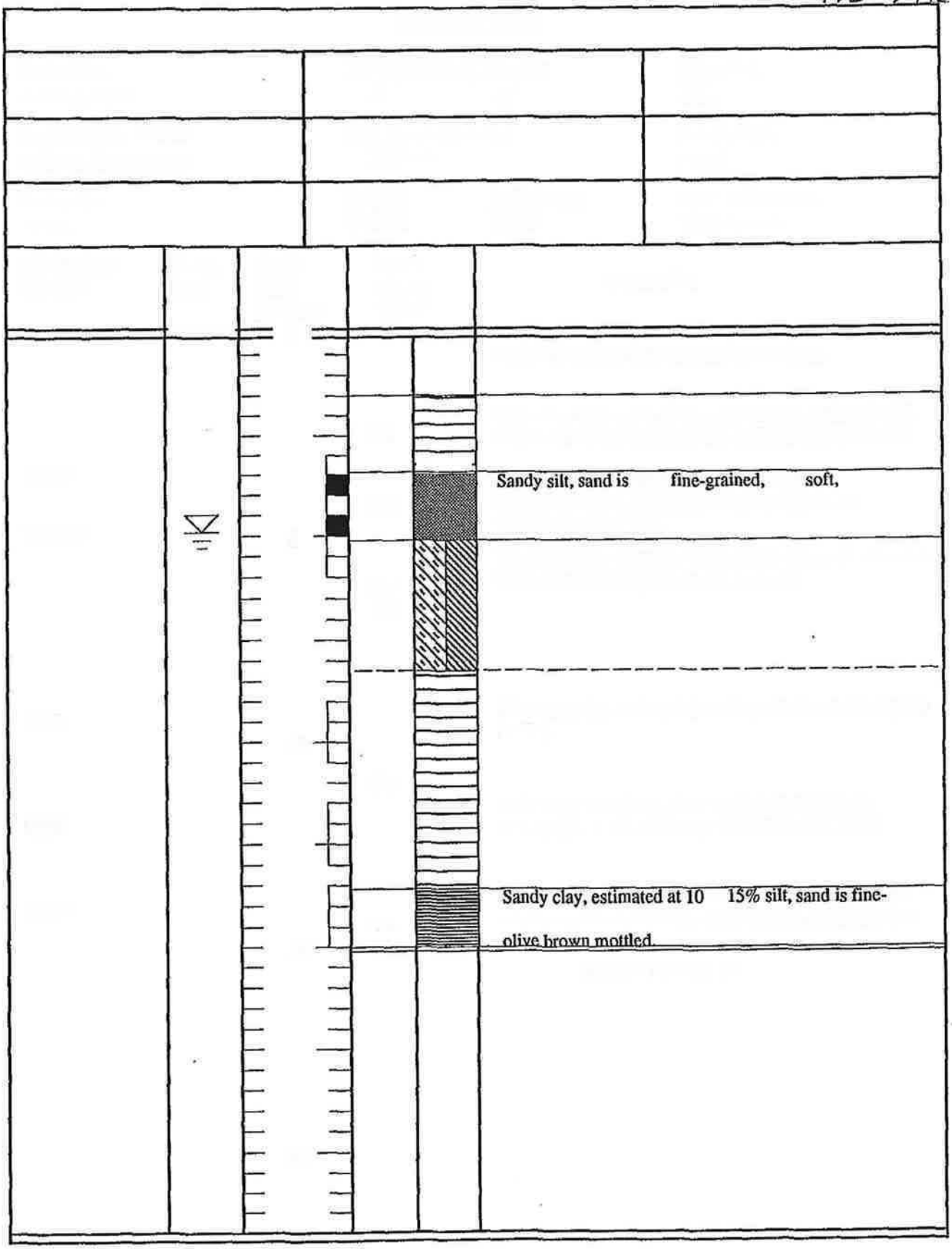
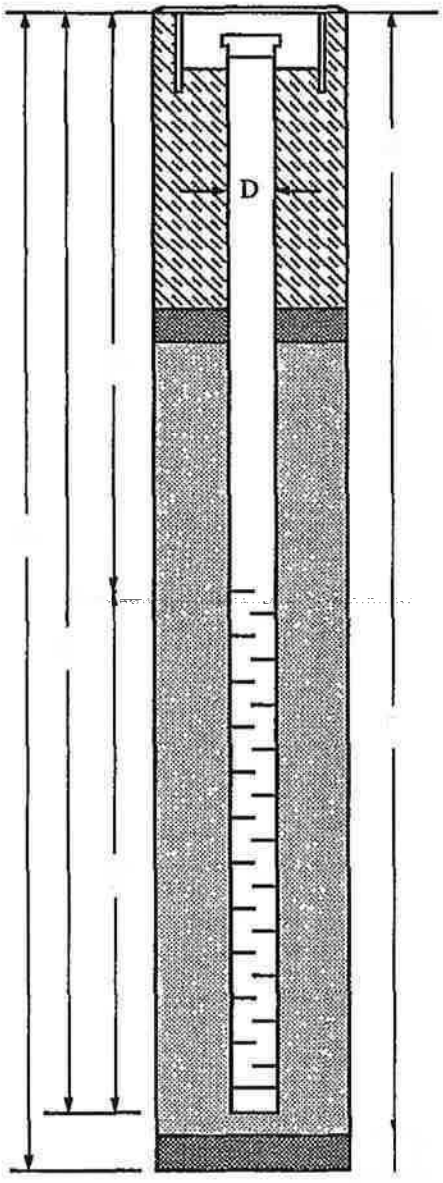

Tank
3)
4)
N

413 94B


Sandy silt, sand is fine-grained, soft,
Sandy clay, estimated at 10 15% silt, sand is fine-
olive brown mottled.

4136948



8

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(WELL LOGS)

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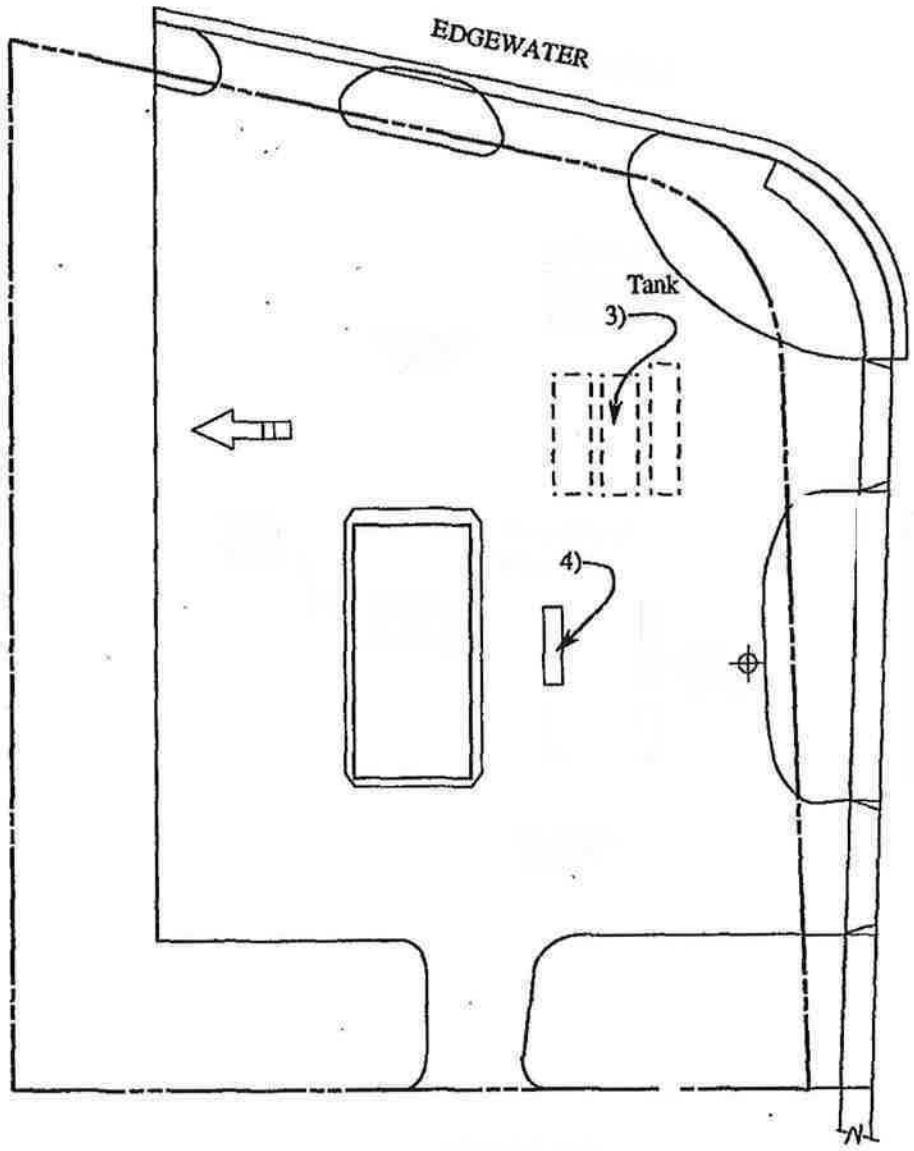
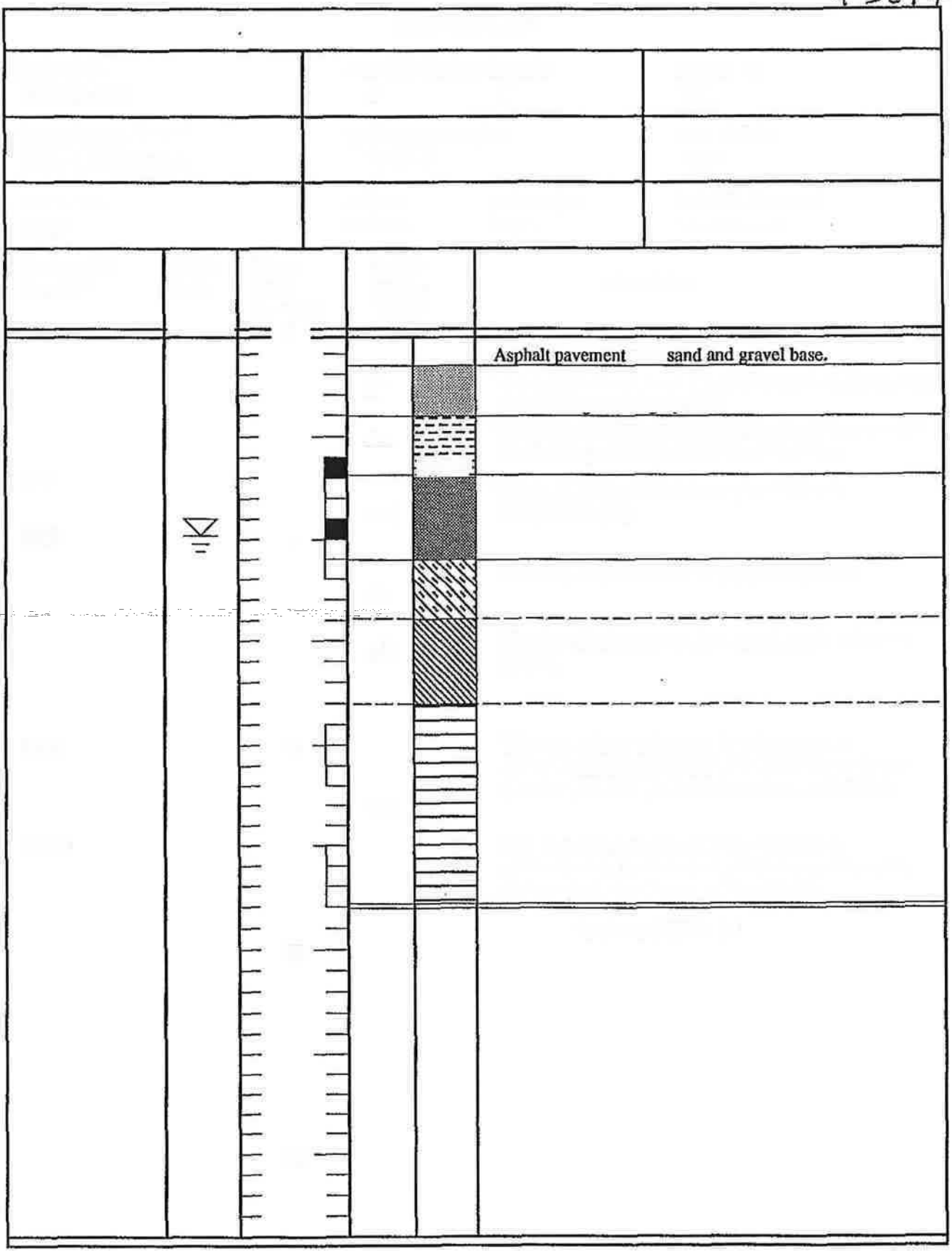
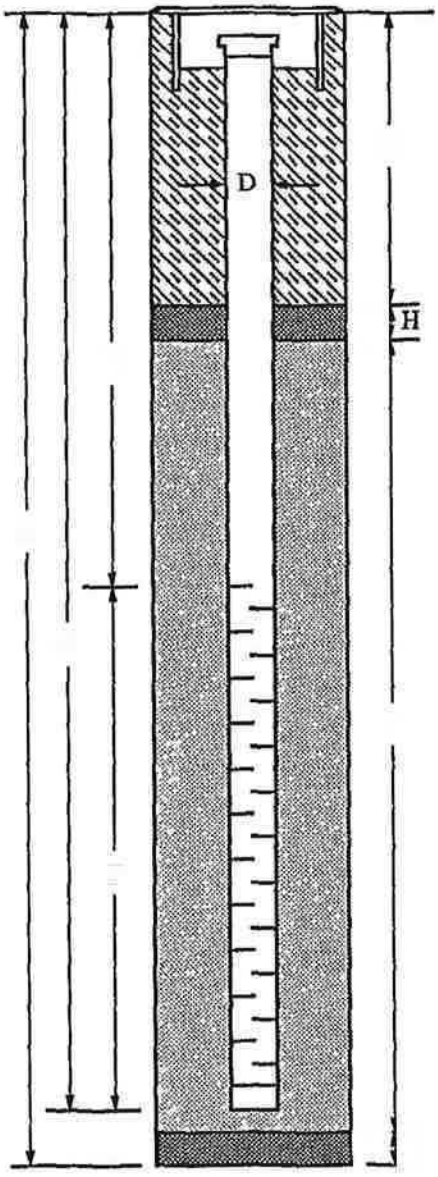

EDGEWATER
Tank
3)
4)
N

43694



4 94C



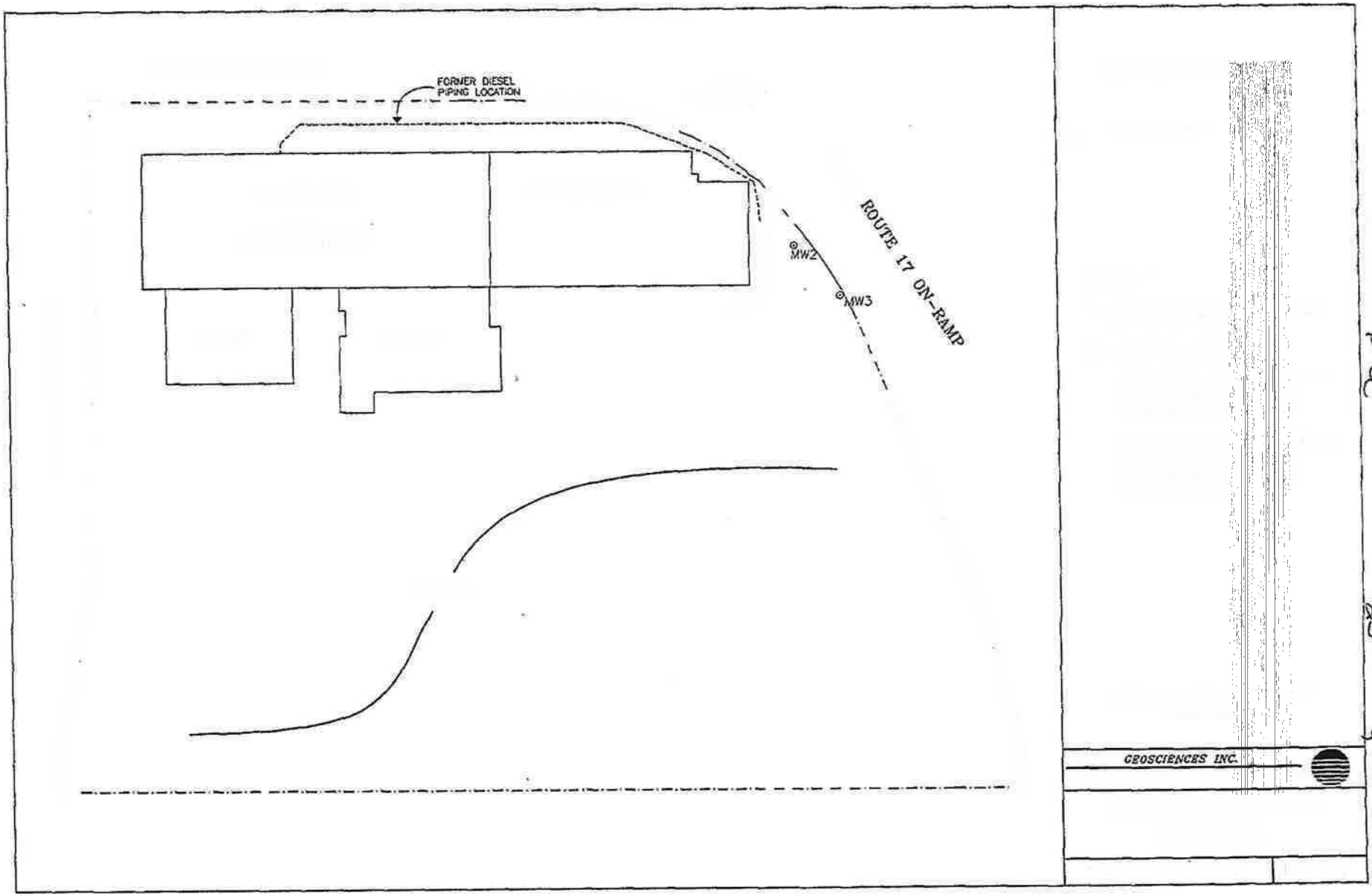
14'

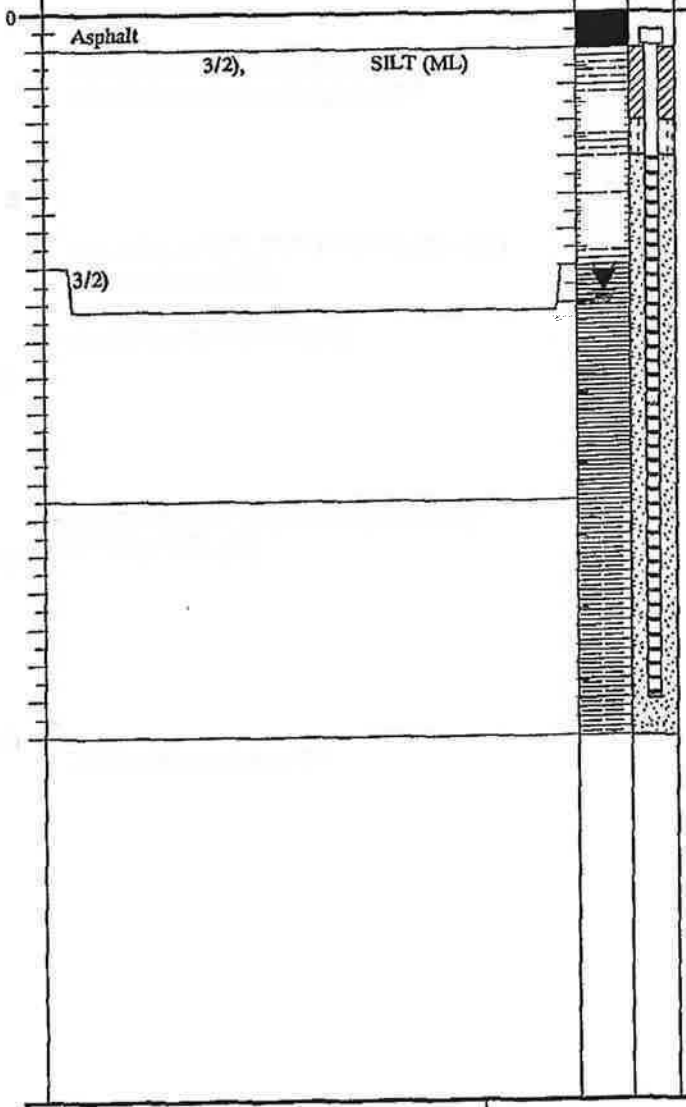
40

2.375"

Machined

12.5'

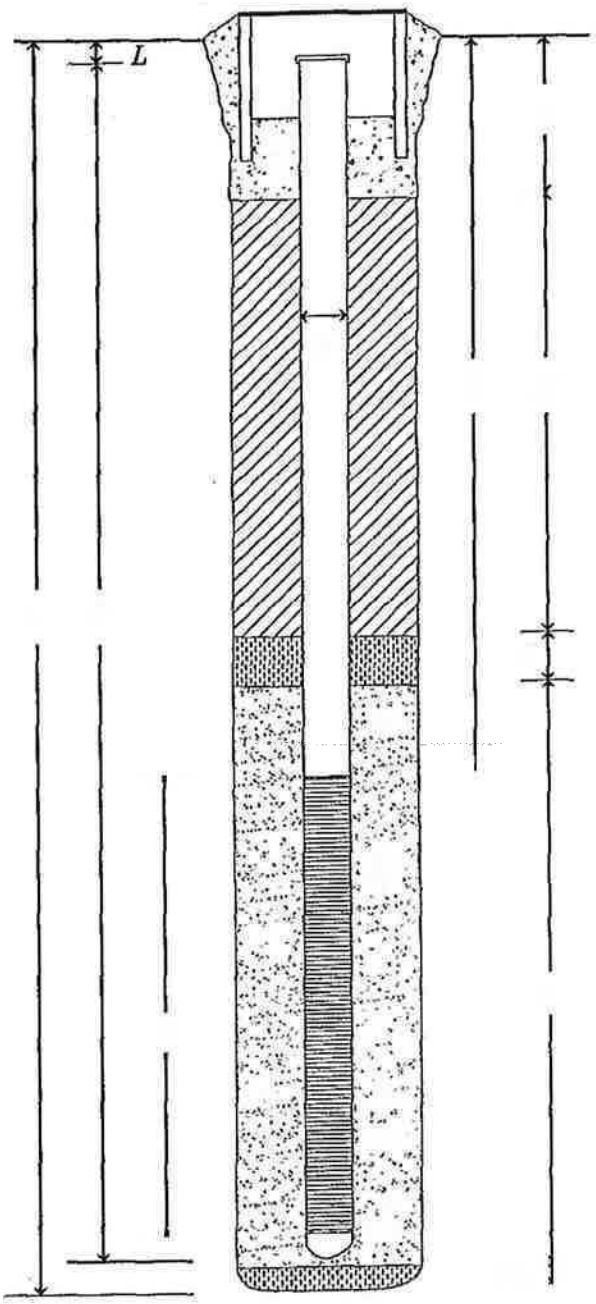

FORMER DIESEL
PIPING LOCATION
MW2
MW3
ROUTE 17 ON-RAMP
GEOSCIENCES INC.


0
Asphalt
3/2),
SILT (ML)
3/2)

2100

erger

lameda

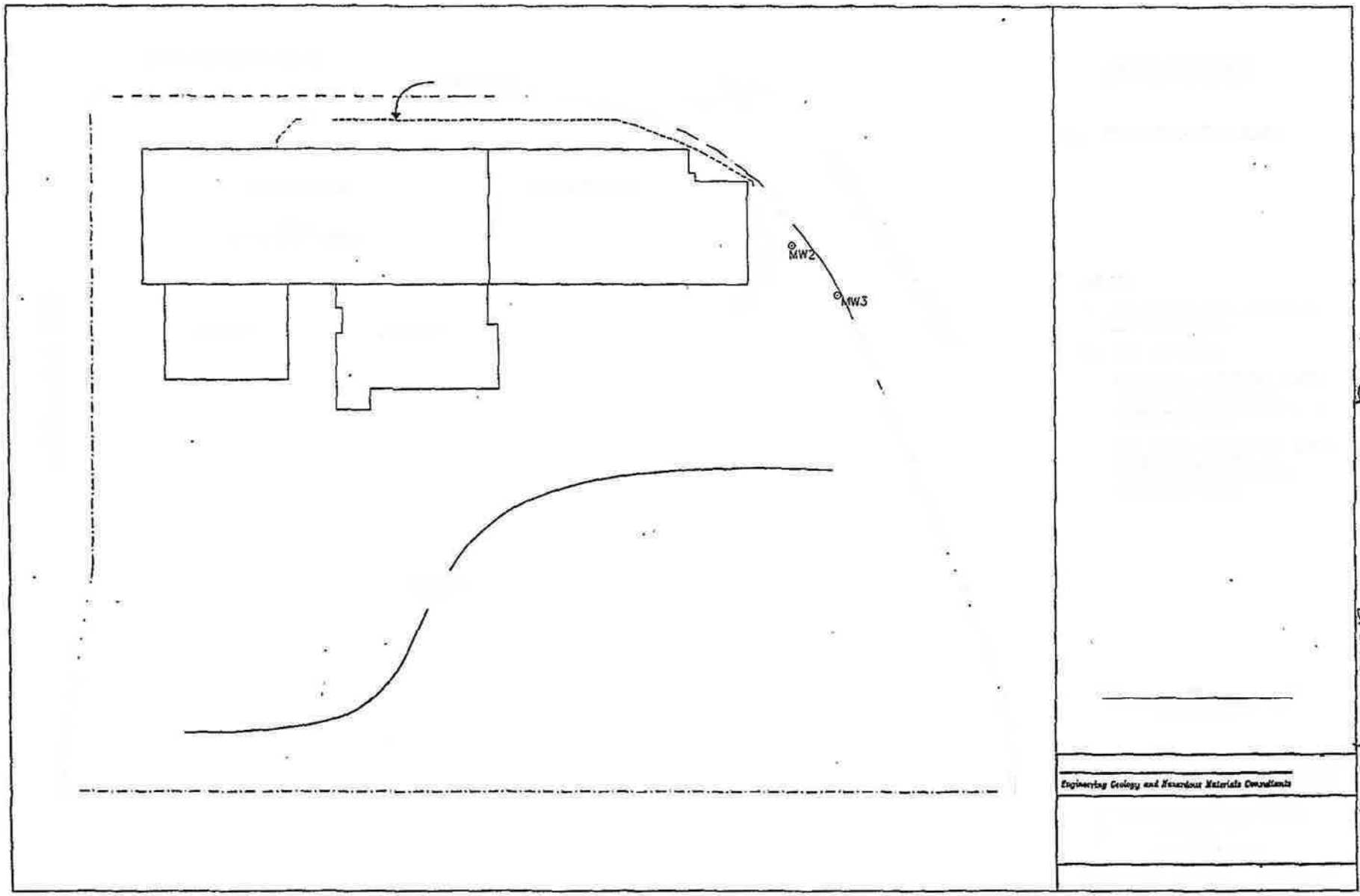


20.0 ft.

10.0 in.

Concrete

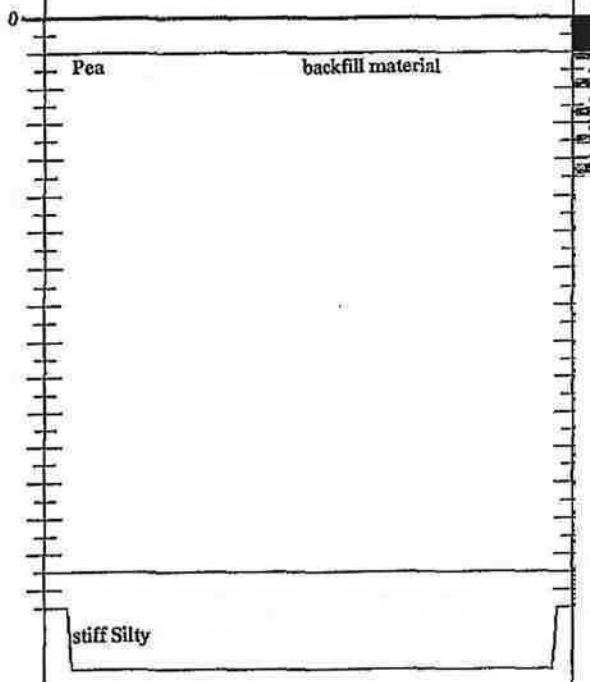
Cement



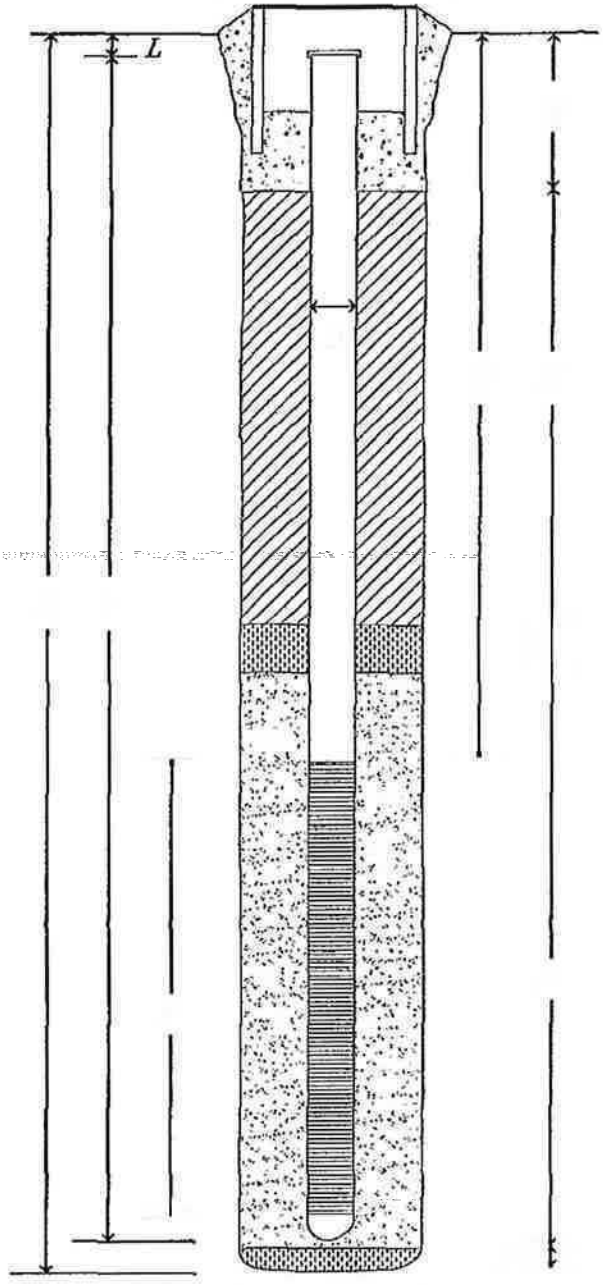
Engineering Geology and Hazardous Materials Consultants

Map

2503W 9 -1


0
Pea
backfill material
stiff Silty

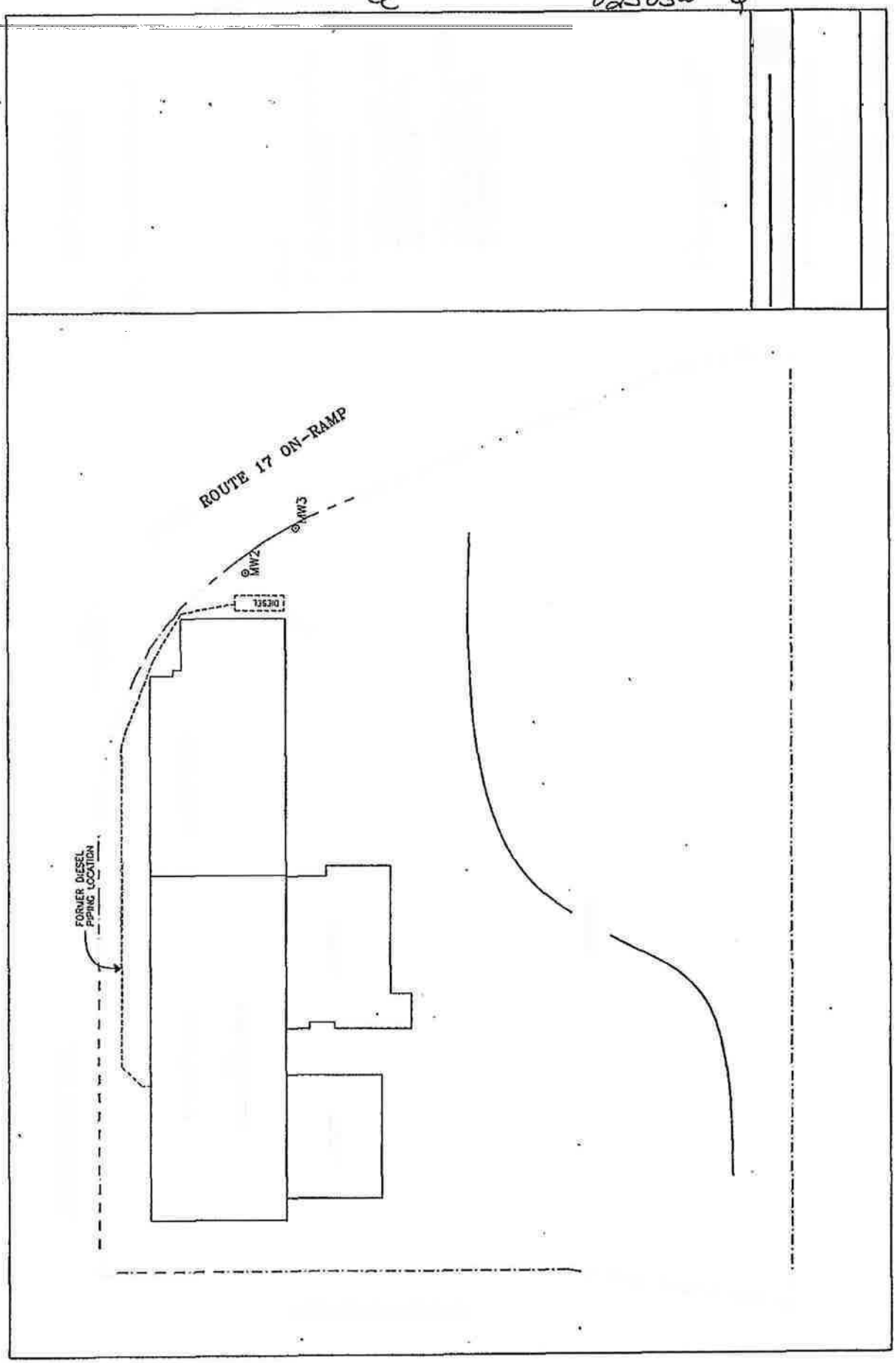
Sea



6.0 in.

12.0 in.

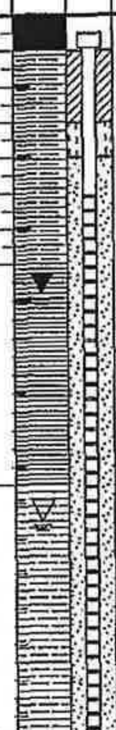
Q 022503W Q



2g   01-548Q   02S03W21Q1

0

Olive CLAY

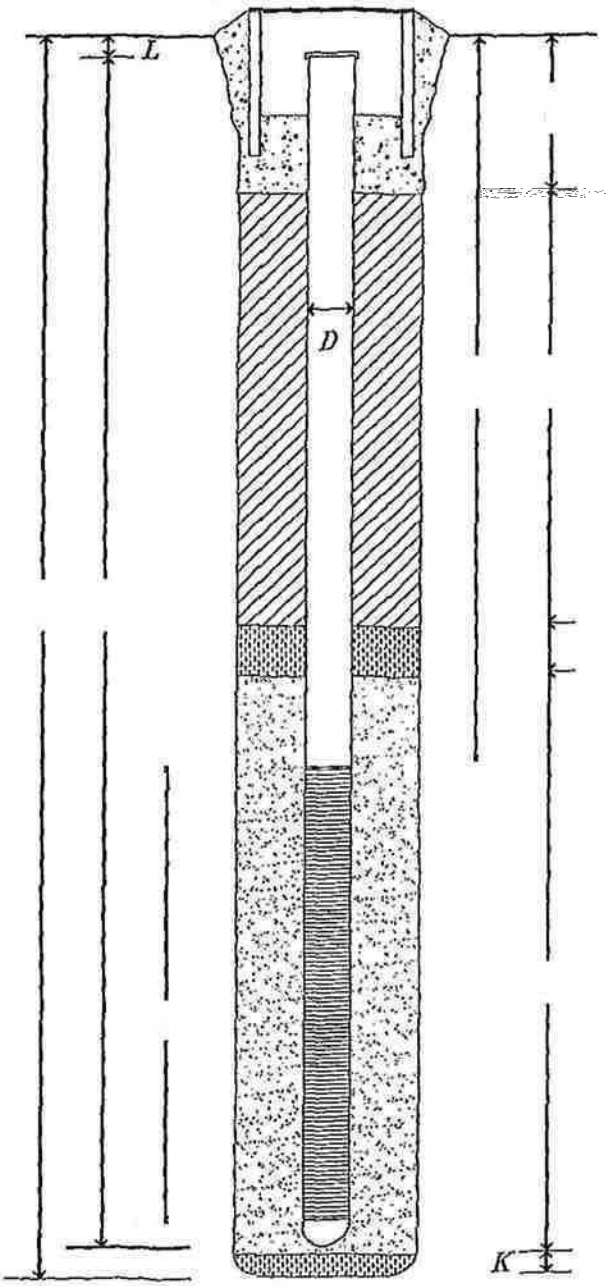


MW3-

MW3-2-2

MW3-3-2

MW3-4-2


L
D
K

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STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

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(WELL LOGS)

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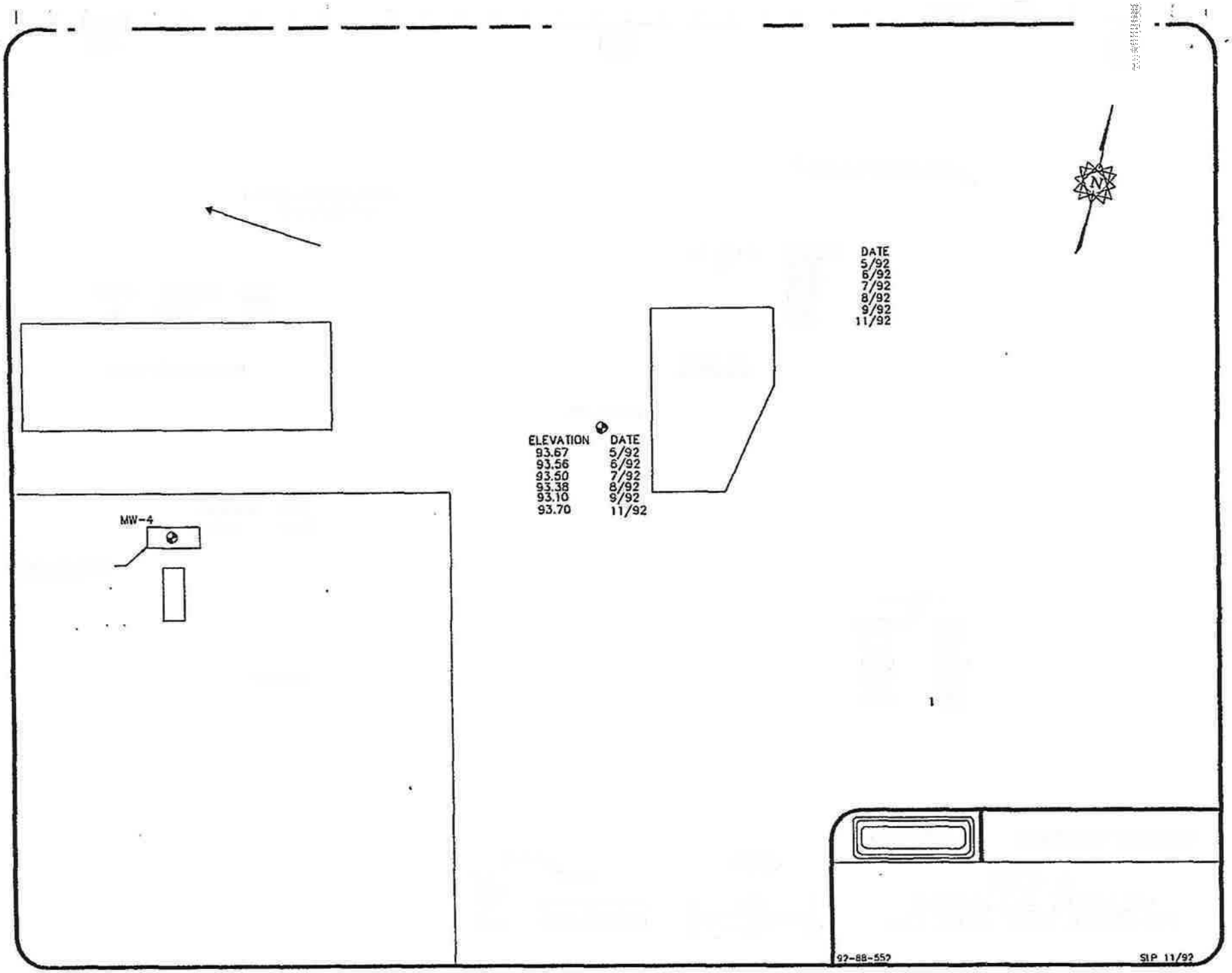
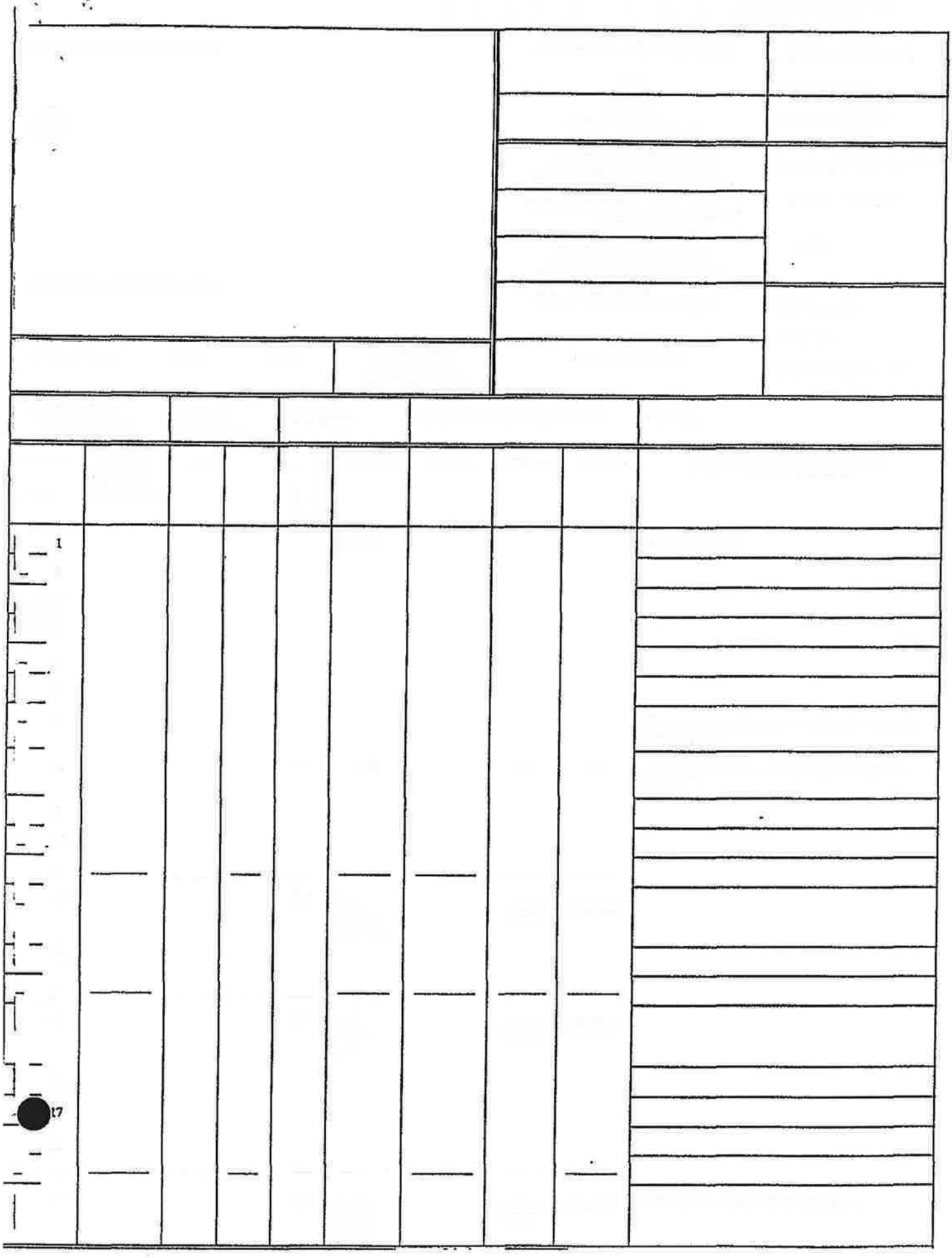

N
DATE
5/92
6/92
7/92
8/92
9/92
11/92
ELEVATION
93.67
93.56
93.50
93.38
93.10
93.70
DATE
5/92
6/92
7/92
8/92
9/92
11/92
MW-4
92-88-552
SIP 11/92

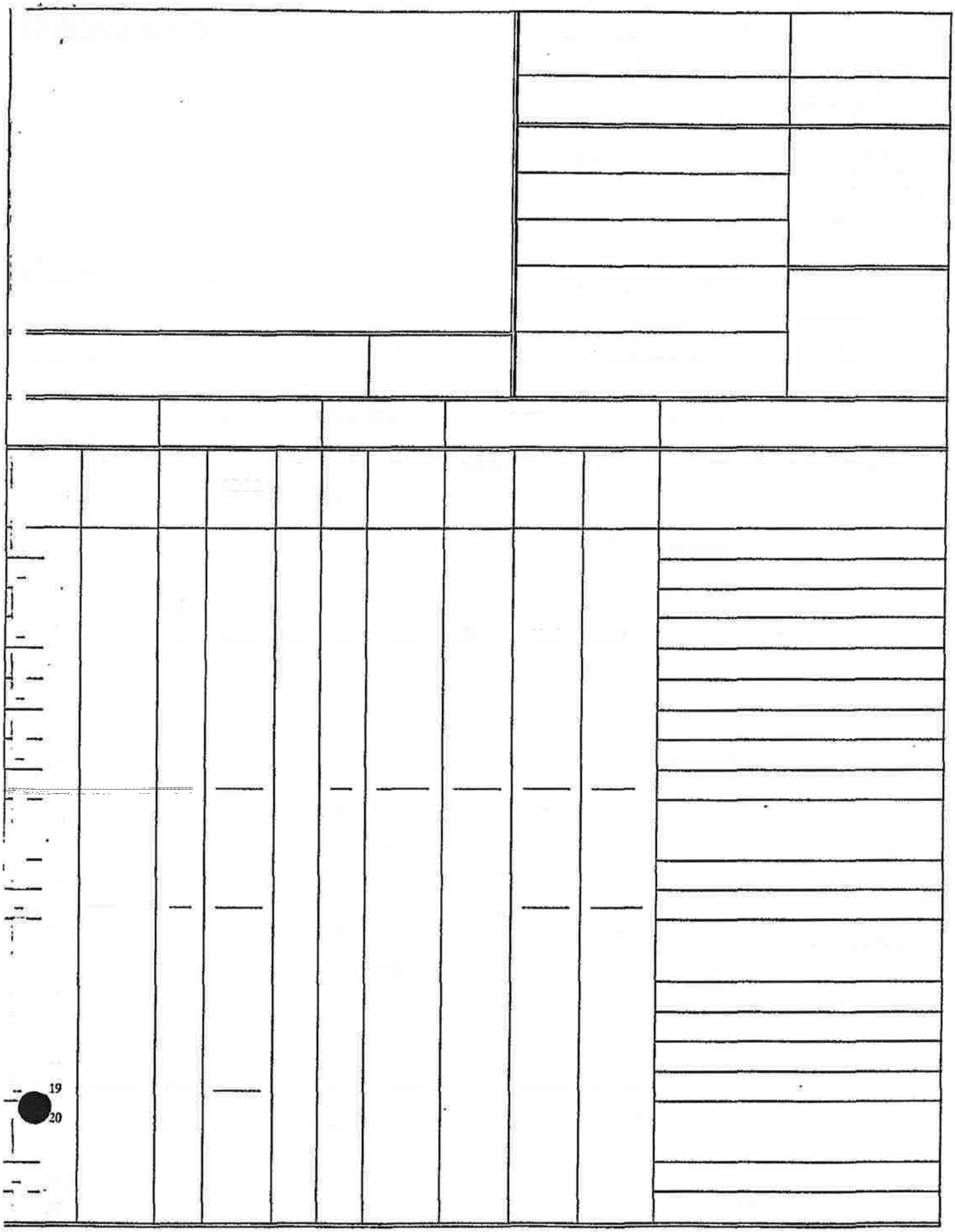


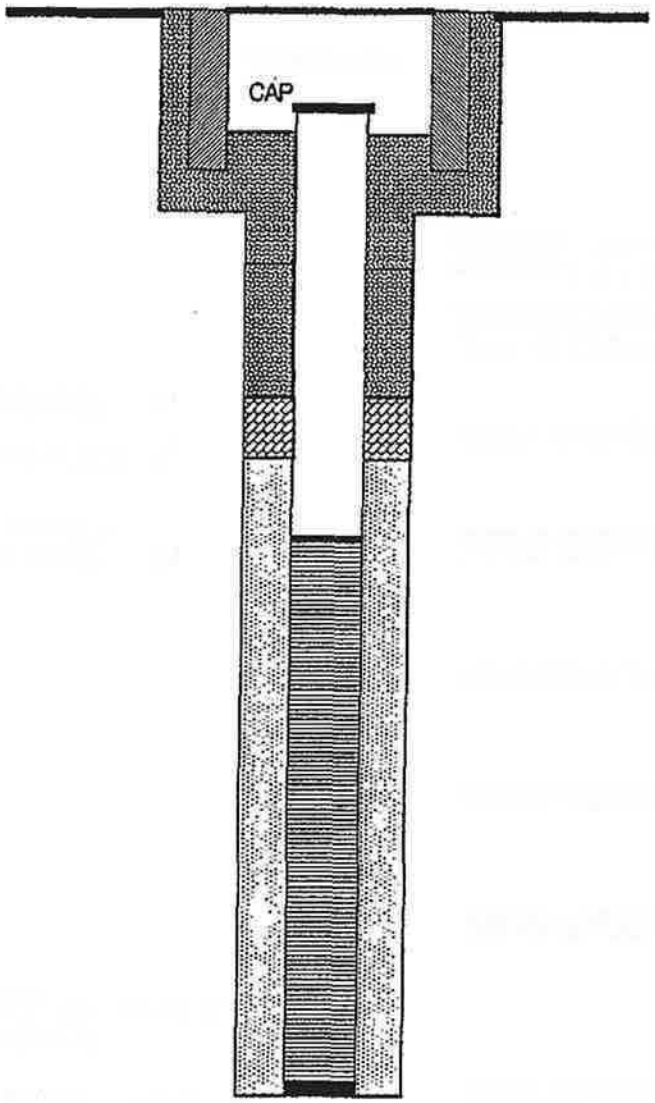
ELEVATION -

DATUM -

TOTAL DEPTH - 25'

25

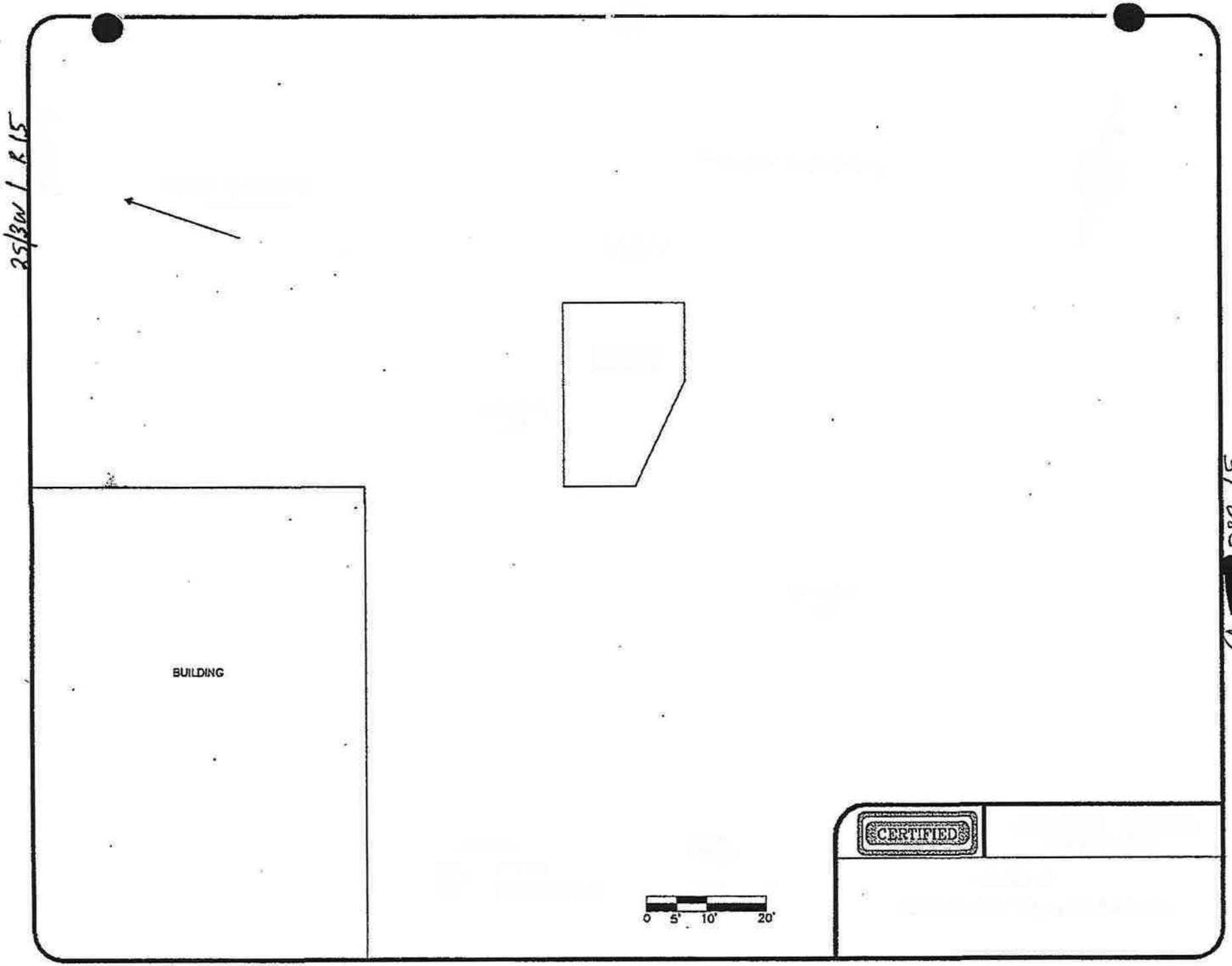




CERTIFIED

31608 [redacted] 2S/3W 16 R/S

CERTIFIED

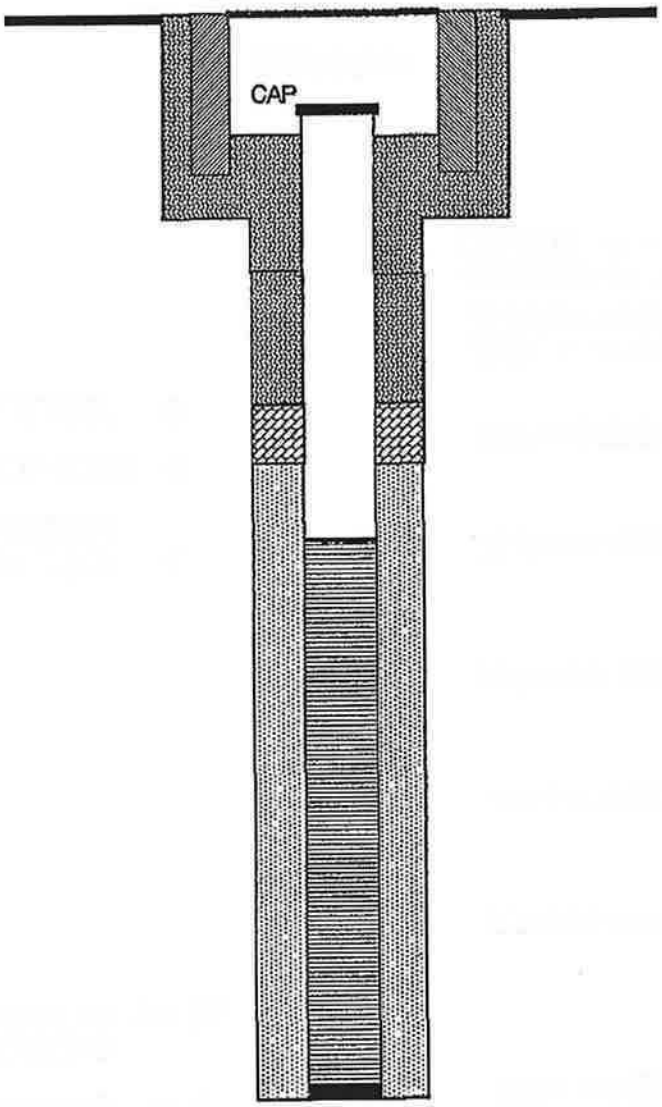

25/3w 1 & 15
BUILDING
CERTIFIED
0 5' 10' 20'

W

1/92

METHOD(S
Splitspoon

Depth	Blows	Notes
	6	
	14	
	20	
	4	
	8	
	9	
		first H2O [illegible]
	8	
	12	
	14	[illegible] contact
	20	
20	25	[illegible] sand
	32	Sandy [illegible]
25	8	[illegible]
	14	
	27	



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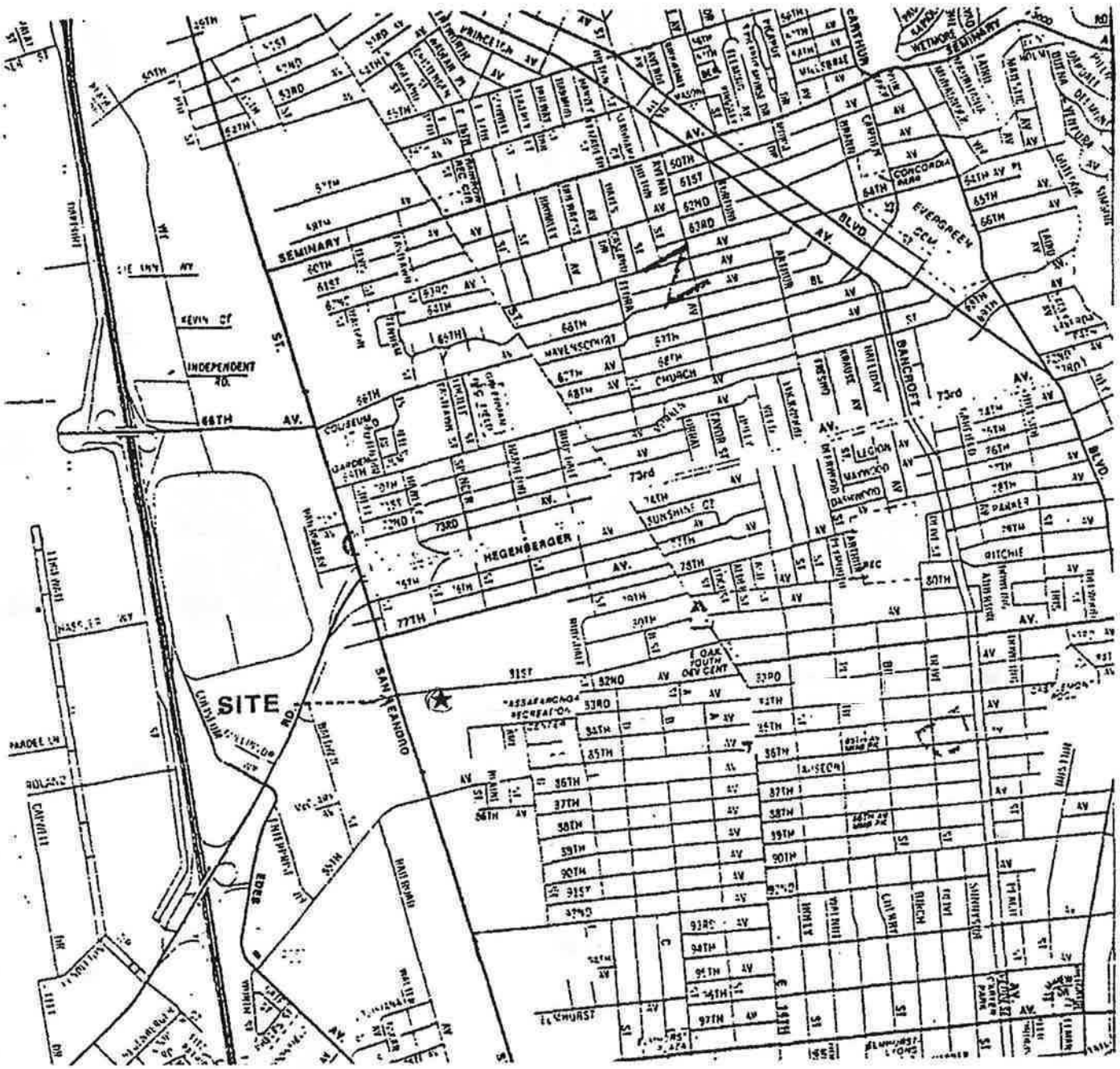
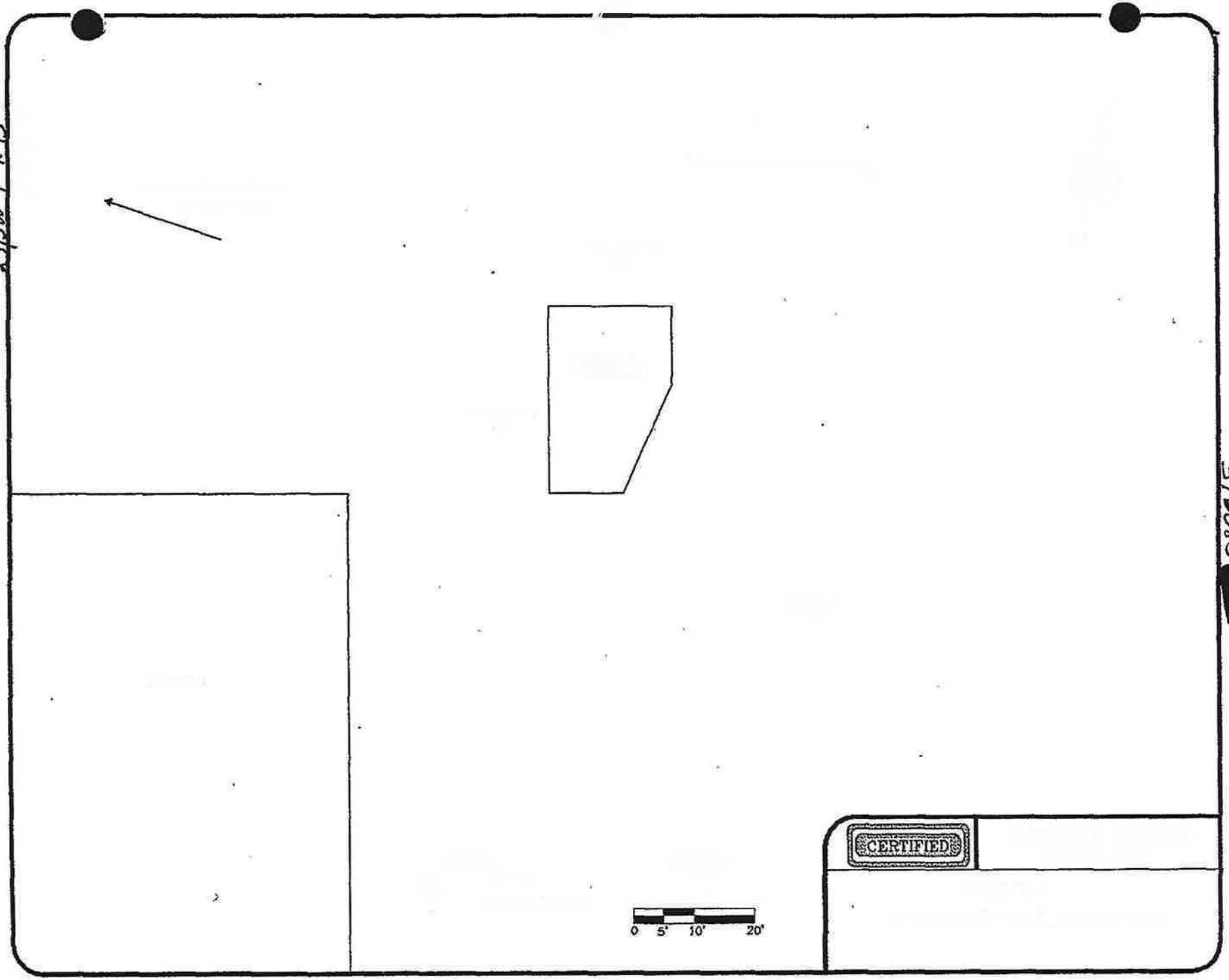
6/10/92

316 [redacted] 2S/3W 16 R15



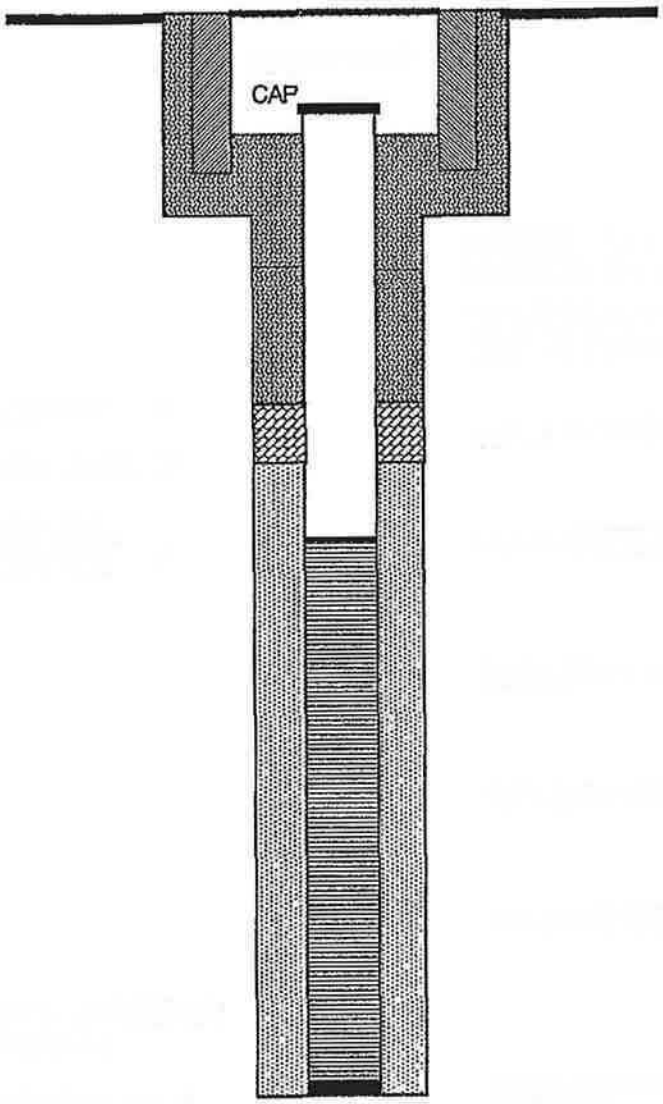

25/3W / R15
31085
CERTIFIED
0 5' 10' 20'

MW

4/1/92

6		
17		
14		
4		
8		
13	SM	gra[illegible] [illegible] from silty [illegible] to fi[illegible] silty sand.
13		
20		Hea[illegible] [illegible] s
25		
30		Total D[illegible] 22.5 f[illegible]

25/ 16R15



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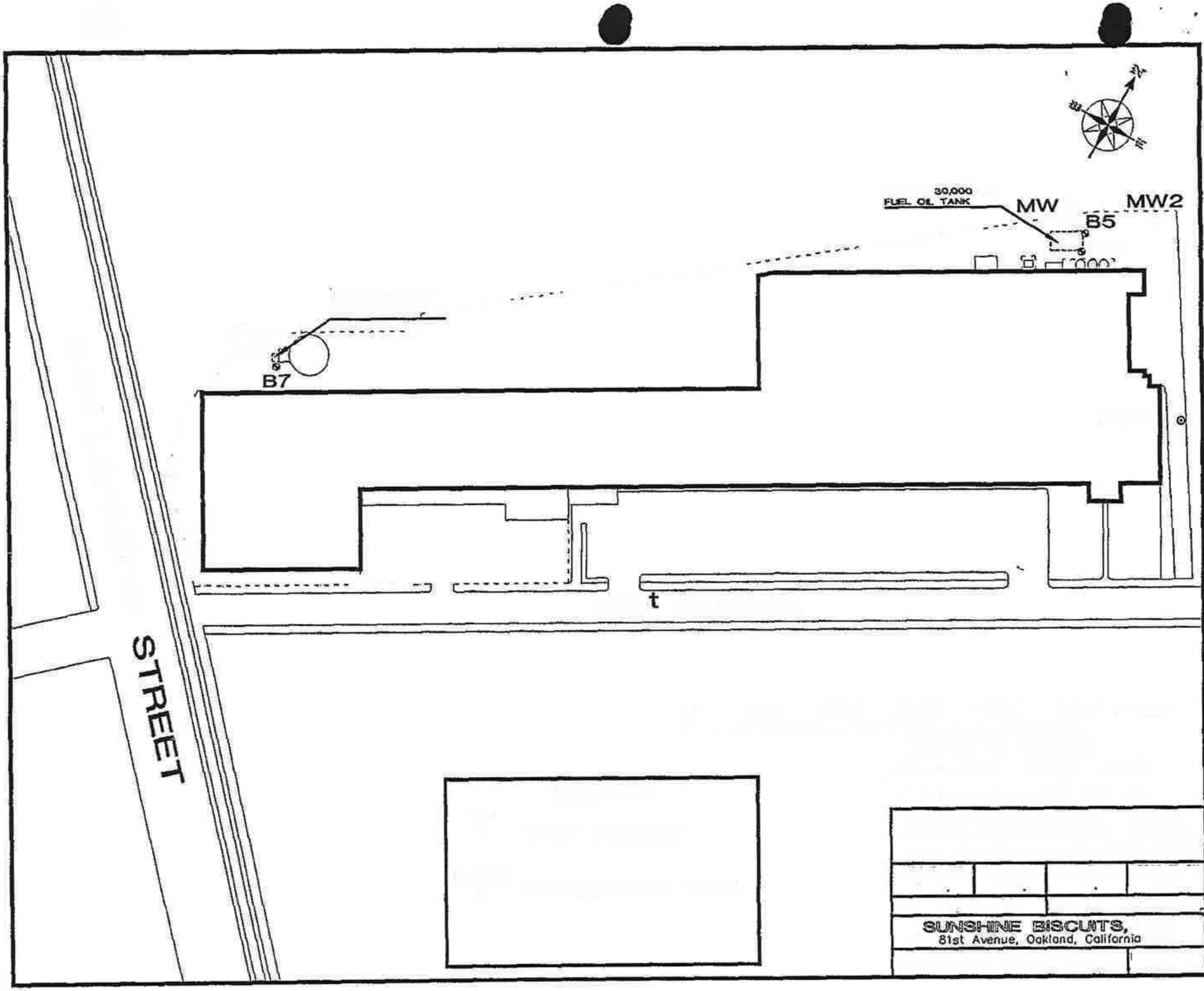


25/3 -16R11
7 3 borings

Drill

ine

Avenue,

3,

West HazMat Drilling Corporation

Auger Di

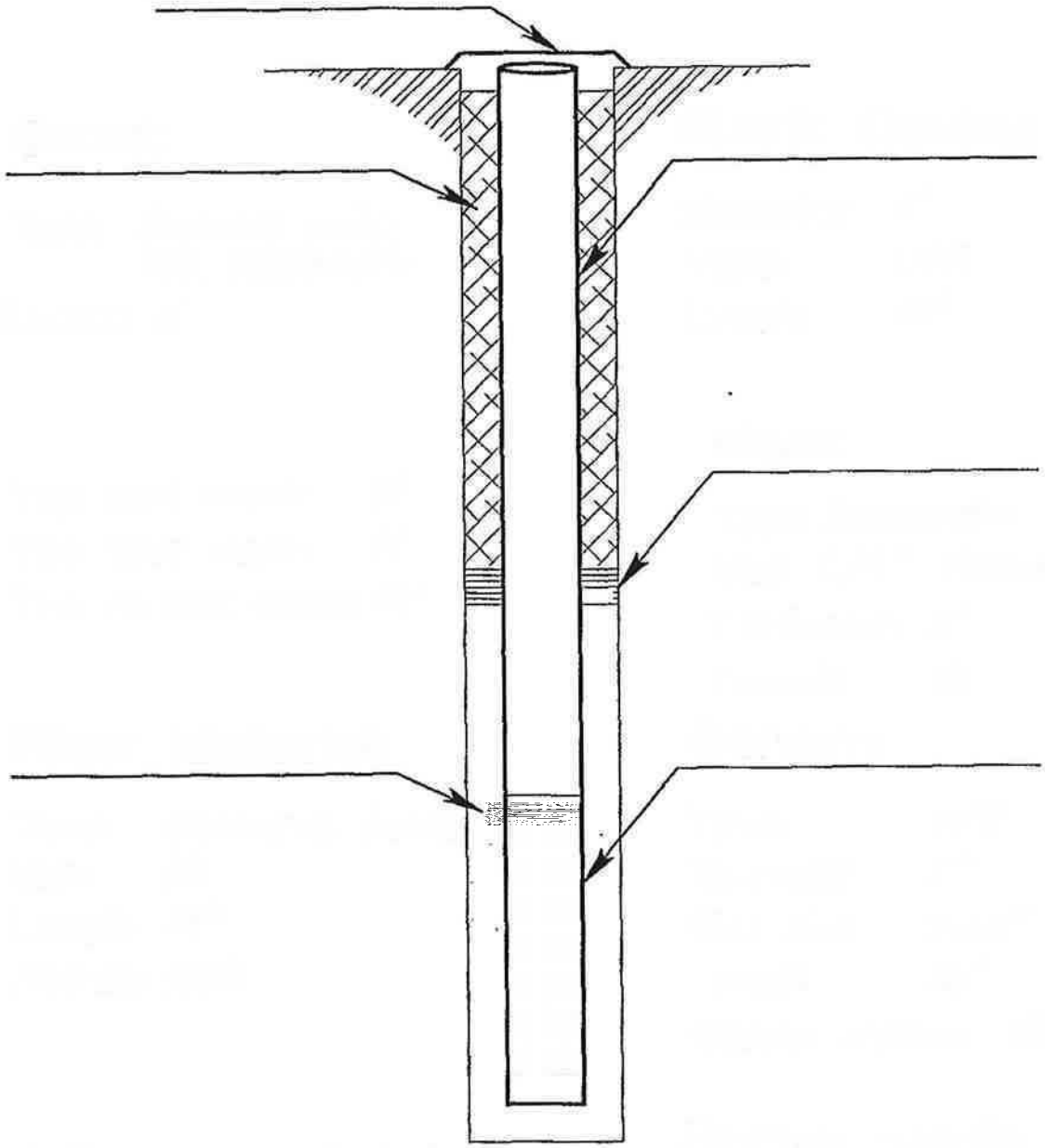
Standard Penetrometer

105 PID units 108 ppm Hexane

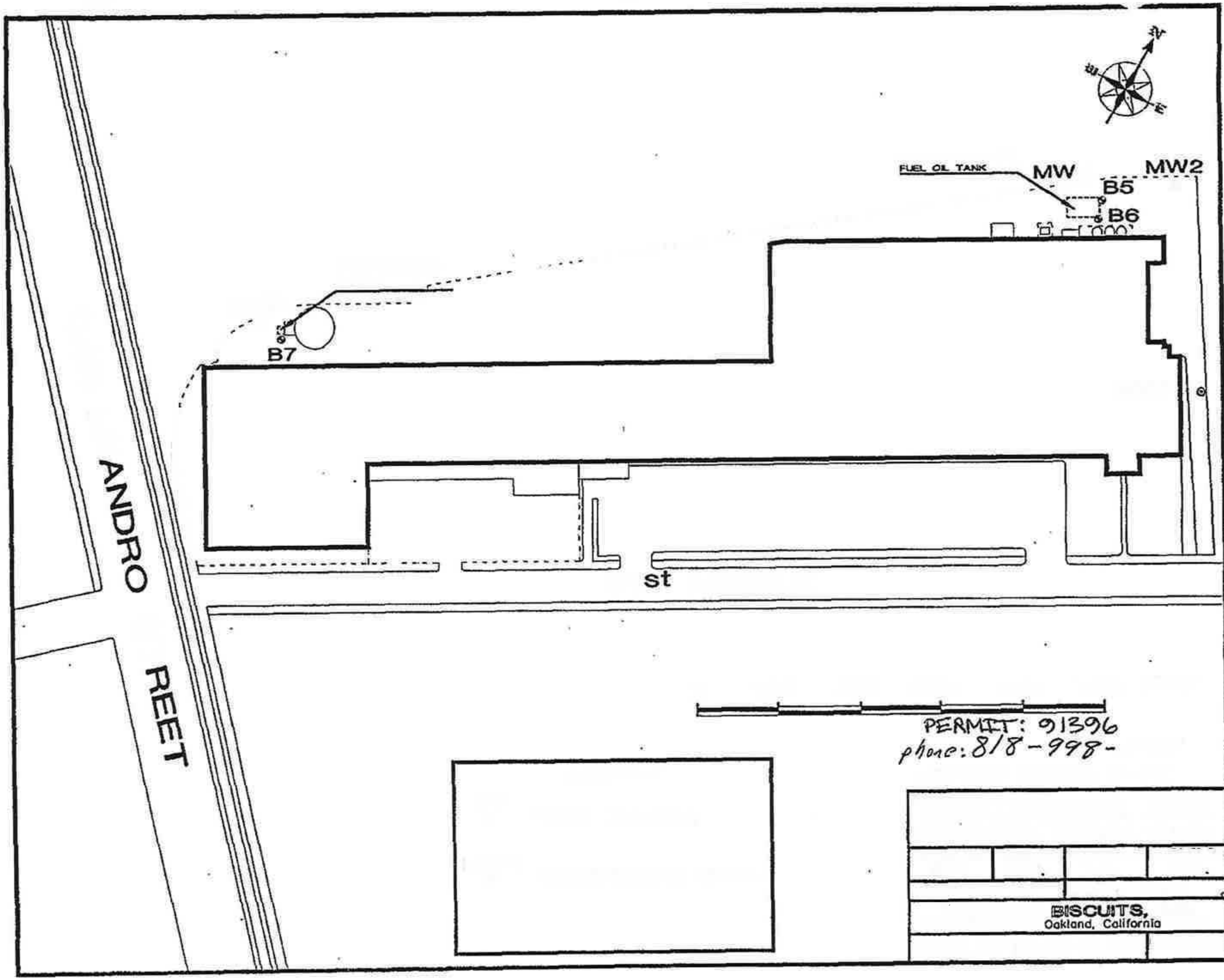
Adonis B. Esmilla

Adonis B. Esmilla

*



B


FUEL OIL TANK
MW
MW2
B5
B6
B7
ANDRO
REET
st
PERMIT: 91396
phone: 818-998-
BISCUITS,
Oakland, California

Bi

1s akland,

9

A

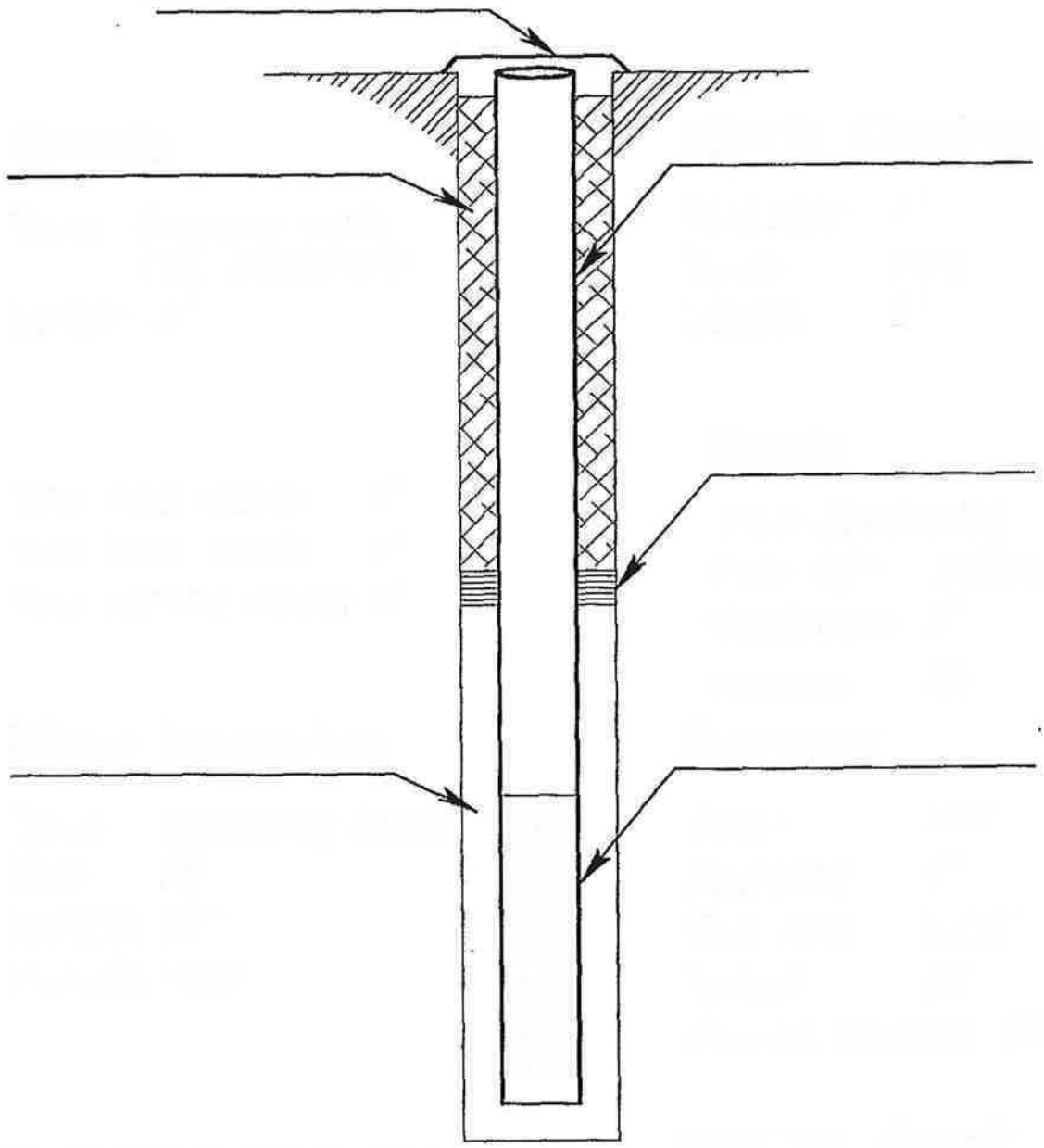
Pene

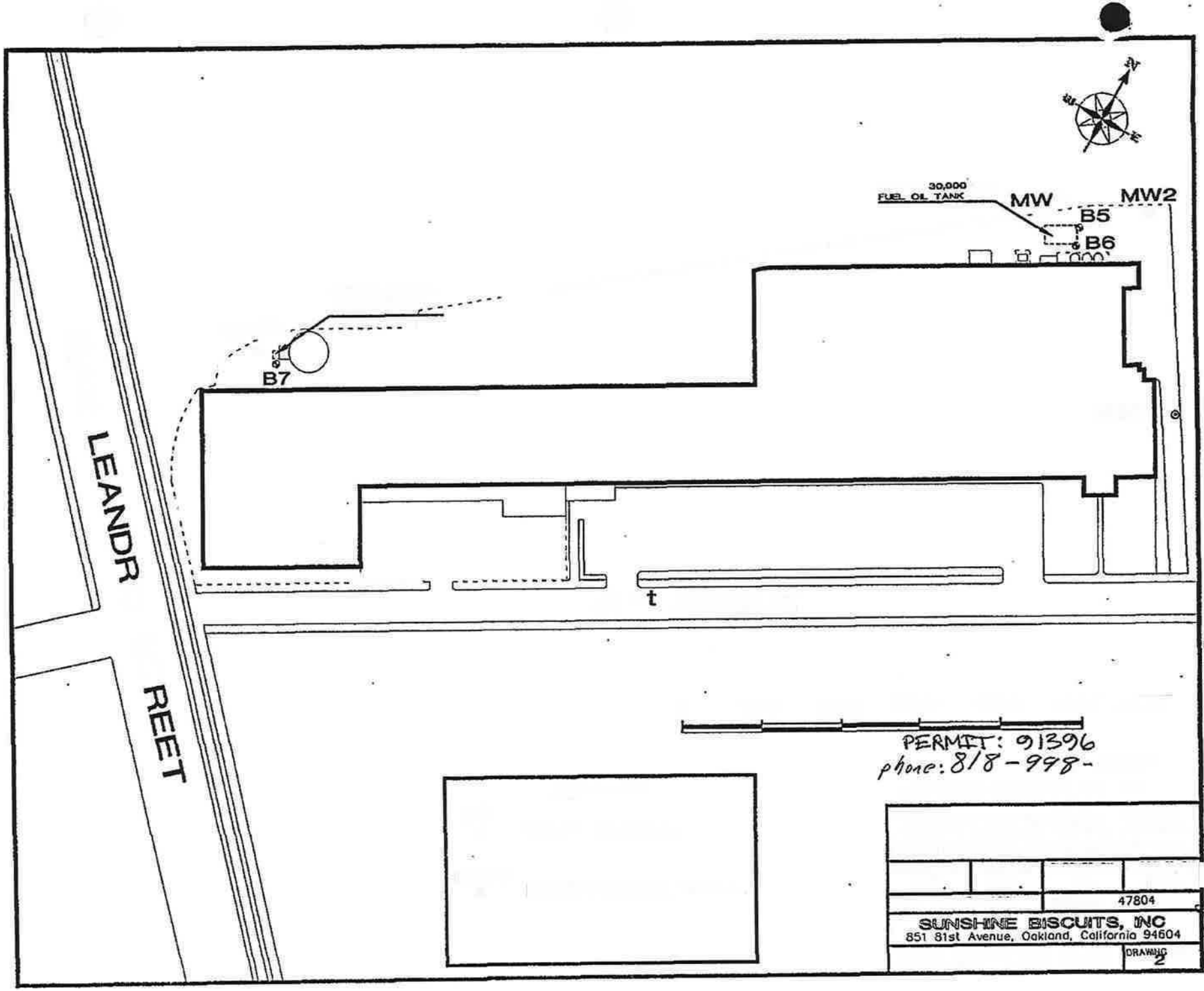
105 PID units = 108 ppm Hexane

Adonis B. Esmilla

Adonis B. Esmilla

S/BW




30,000
FUEL OIL TANK
MW
MW2
B5
B6
B7
LEANDR
REET
t
PERMIT: 91396
phone: 818-998-
47804
SUNSHINE BISCUITS, INC
851 81st Avenue, Oakland, California 94604
DRAWING
2

Dr MW3

sh ts

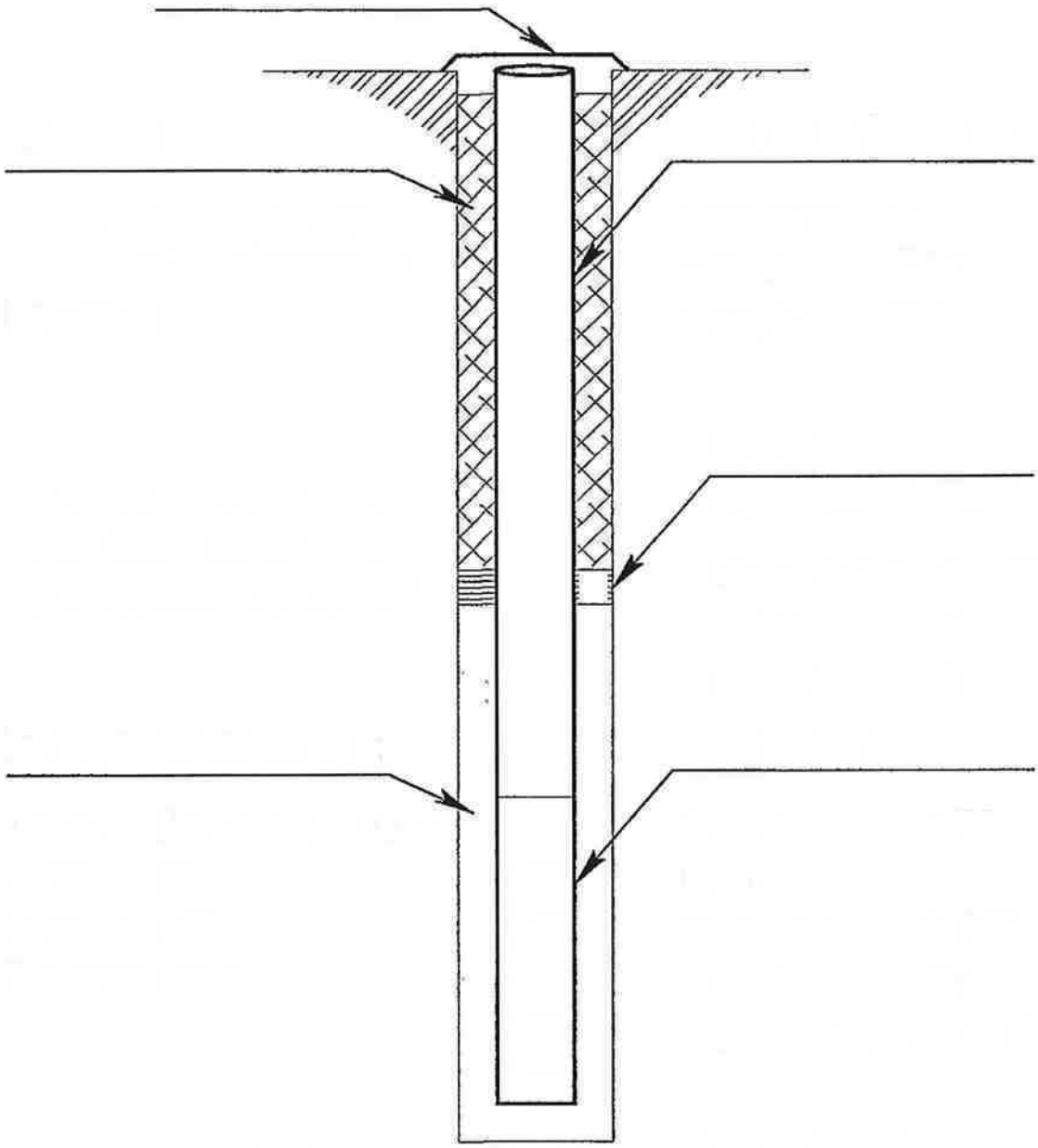
Avenue, nd,

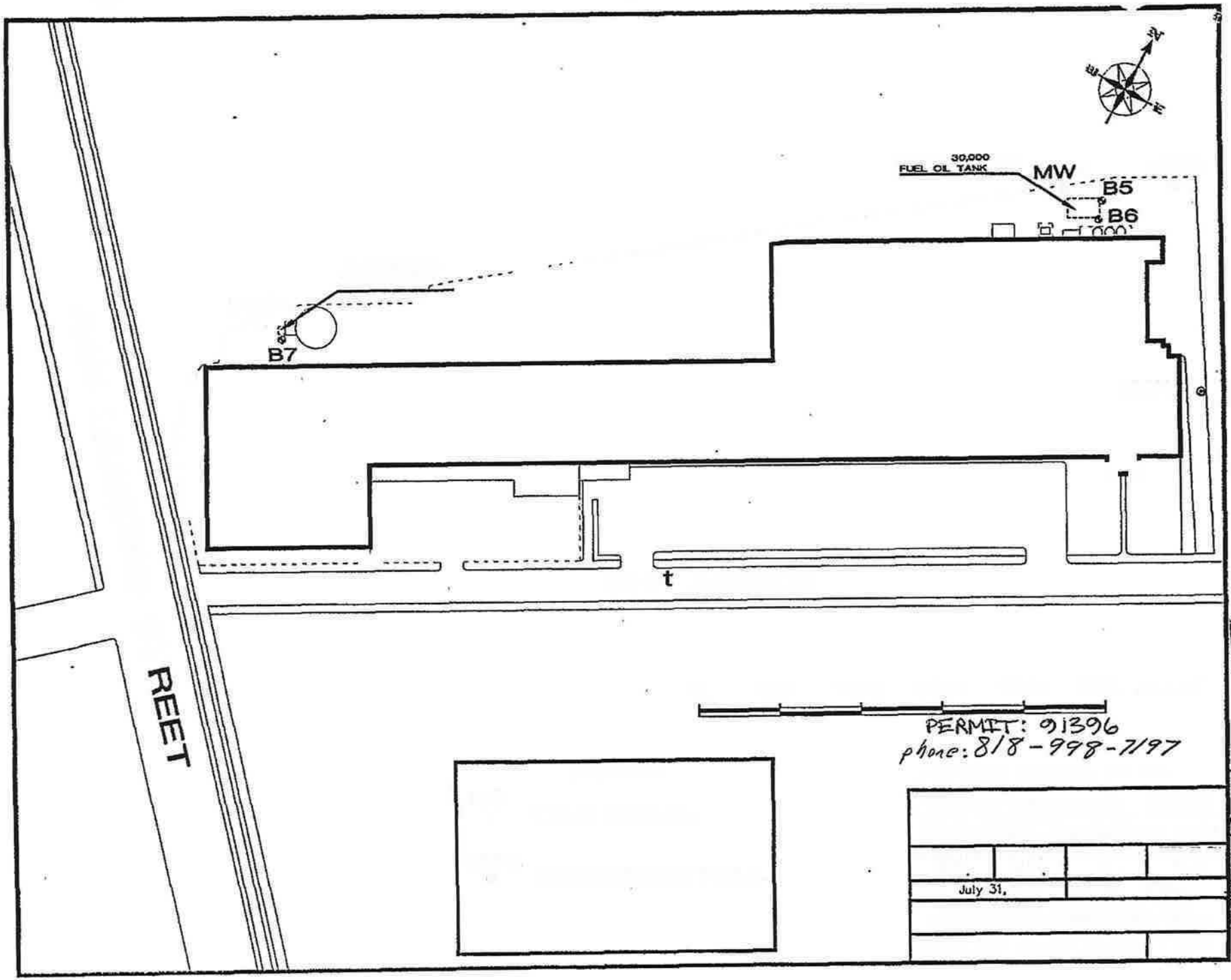
George Pavlov
West HazMat Drilling Corporation
ow Diameter
etromete
105 PID units = 108 ppm Hexane
Adonis B. Esmilla
Adonis B. Esmilla

ure, ng,

Note
1.
2.

25/3W




30,000
FUEL OIL TANK
MW
B5
B6
B7
REET
PERMIT: 91396
phone: 818-998-7197
July 31,

Dr... MW.

nsh... ts

8... Oa...

i... ion

low...

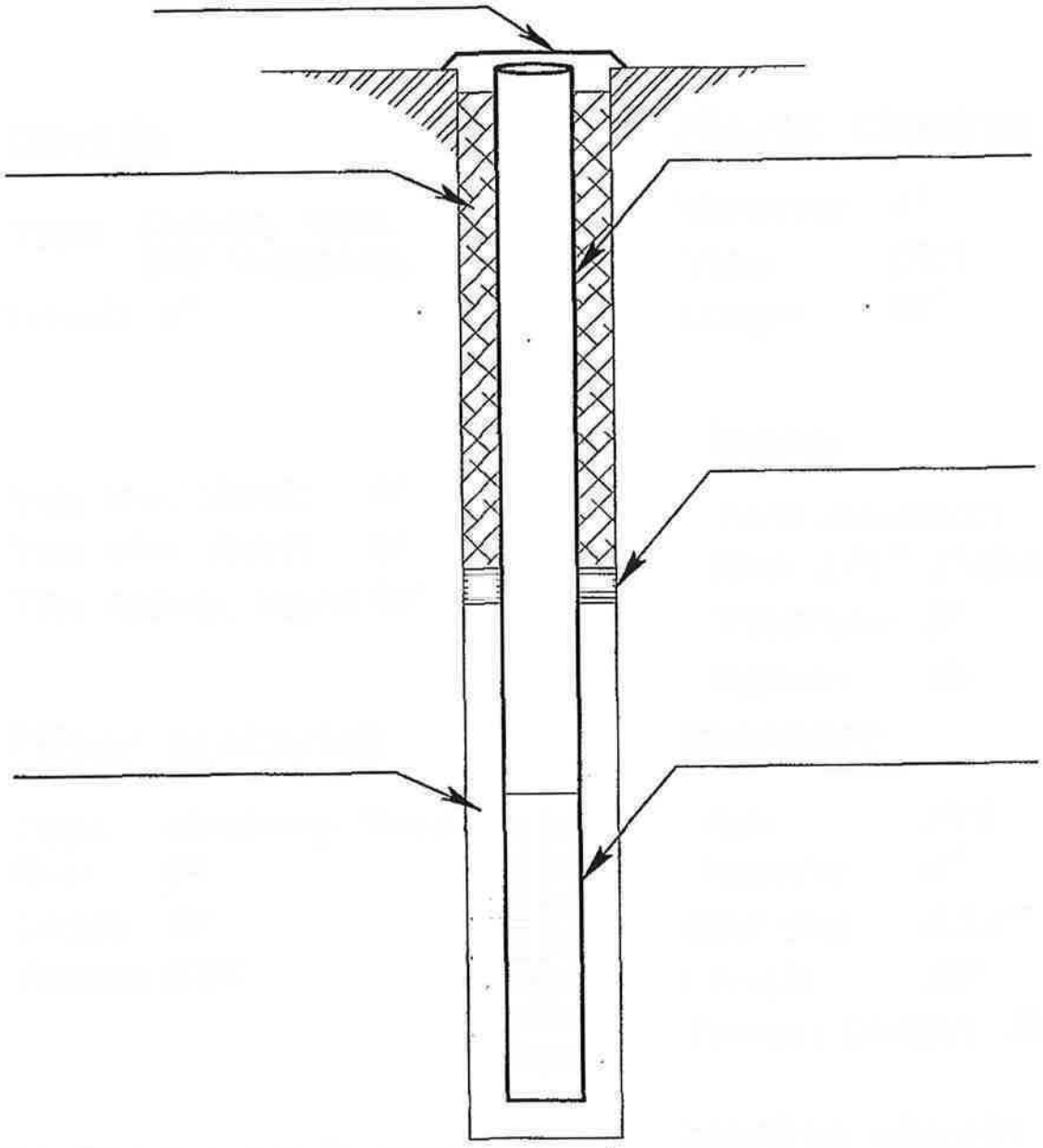
Sta... Penetrometer

105 PID units 108 ppm Hexane

Adonis B. Esmilla

Adonis B. Esmilla

sture, So... etc.



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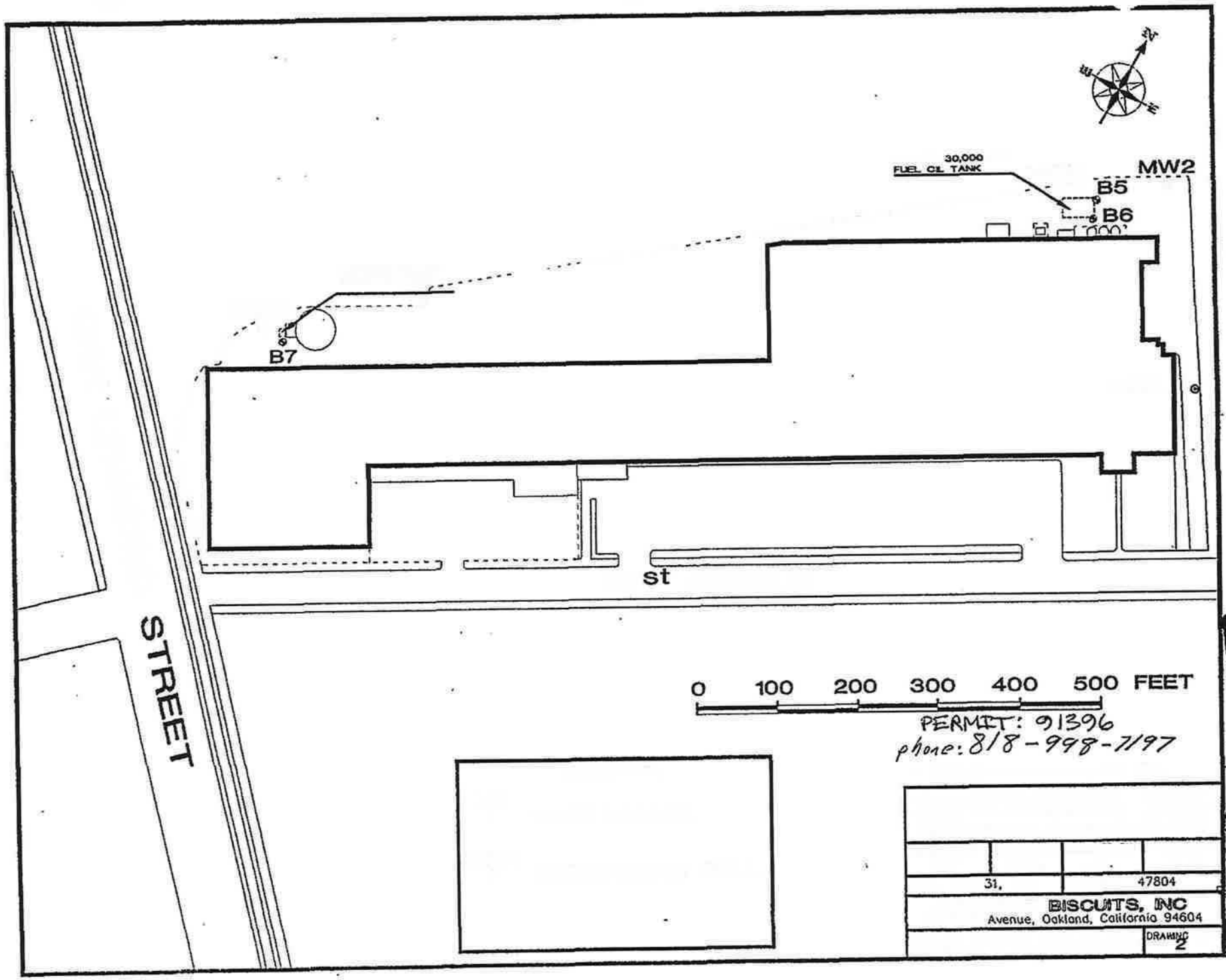
30,000
FUEL OIL TANK
MW2
B5
B6
B7
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STREET
0 100 200 300 400 500 FEET
PERMIT: 91396
phone: 818-998-7197
31,
47804
BISCUITS, INC
Avenue, Oakland, California 94604
DRAWING
2

Dr B

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8 Oa

George Pavlov
West HazMat Drilling Corporation
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105 PID units 108 ppm Hexane
Adonis B. Esmilla
Adonis B. Esmilla

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Notes:

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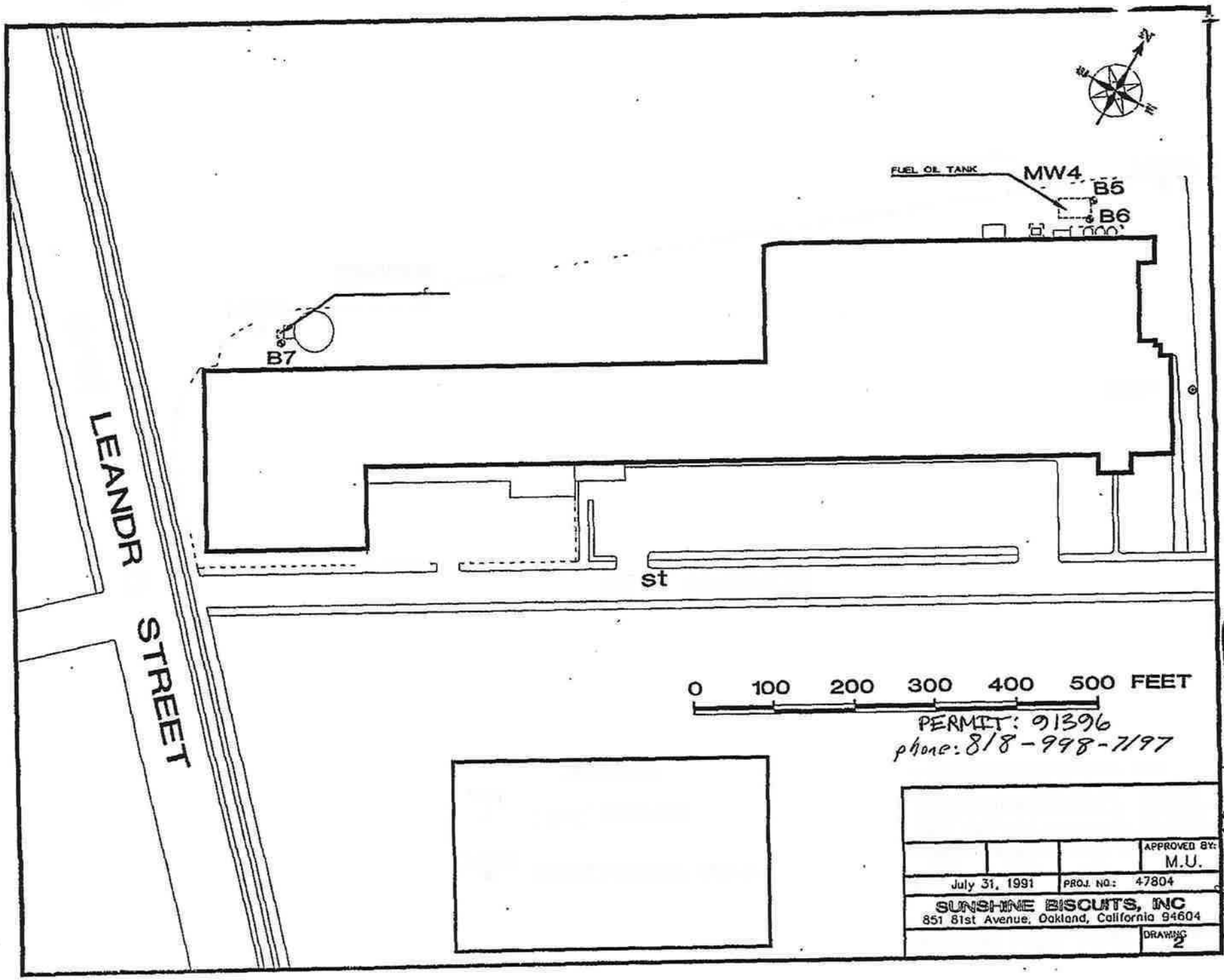
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PERMIT: 91396
phone: 818-998-7197
APPROVED BY: M.U.
July 31, 1991
PROJ. NO.: 47804
SUNSHINE BISCUITS, INC
851 81st Avenue, Oakland, California 94604
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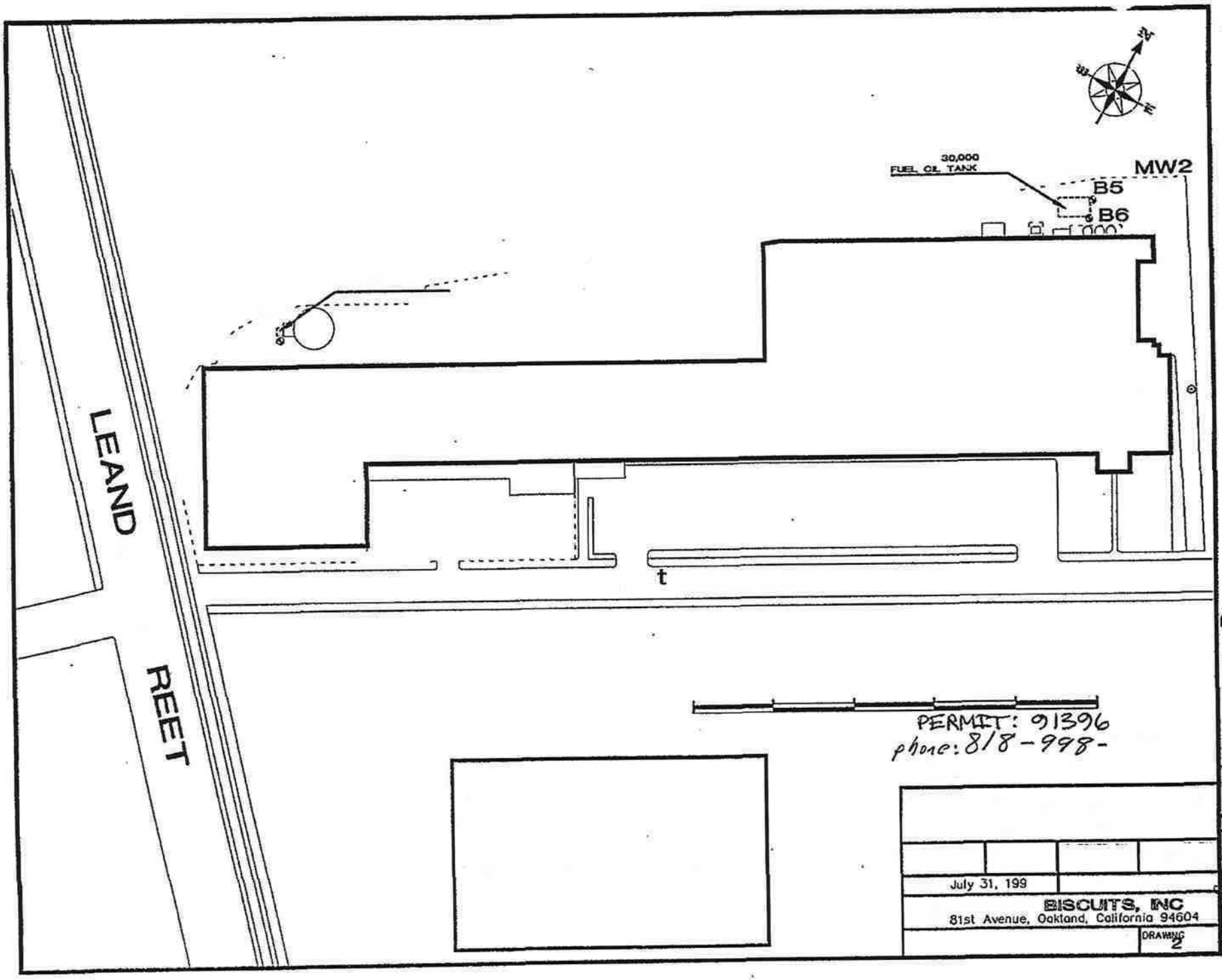
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BISCUITS, INC
81st Avenue, Oakland, California 94604
DRAWING
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104 PID units 108 ppm Hexane

Adonis B. Esmilla

Adonis B. Esmilla

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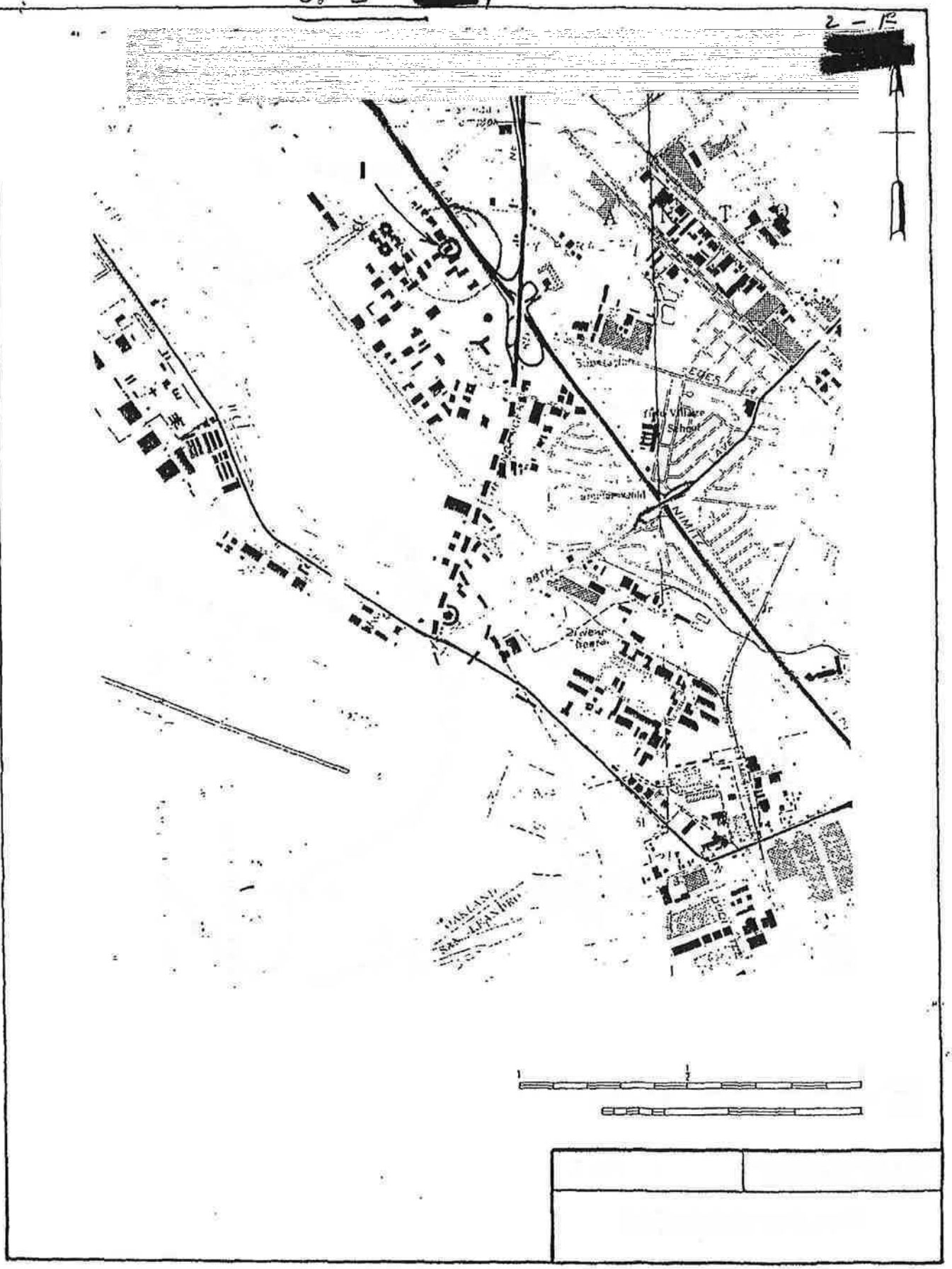
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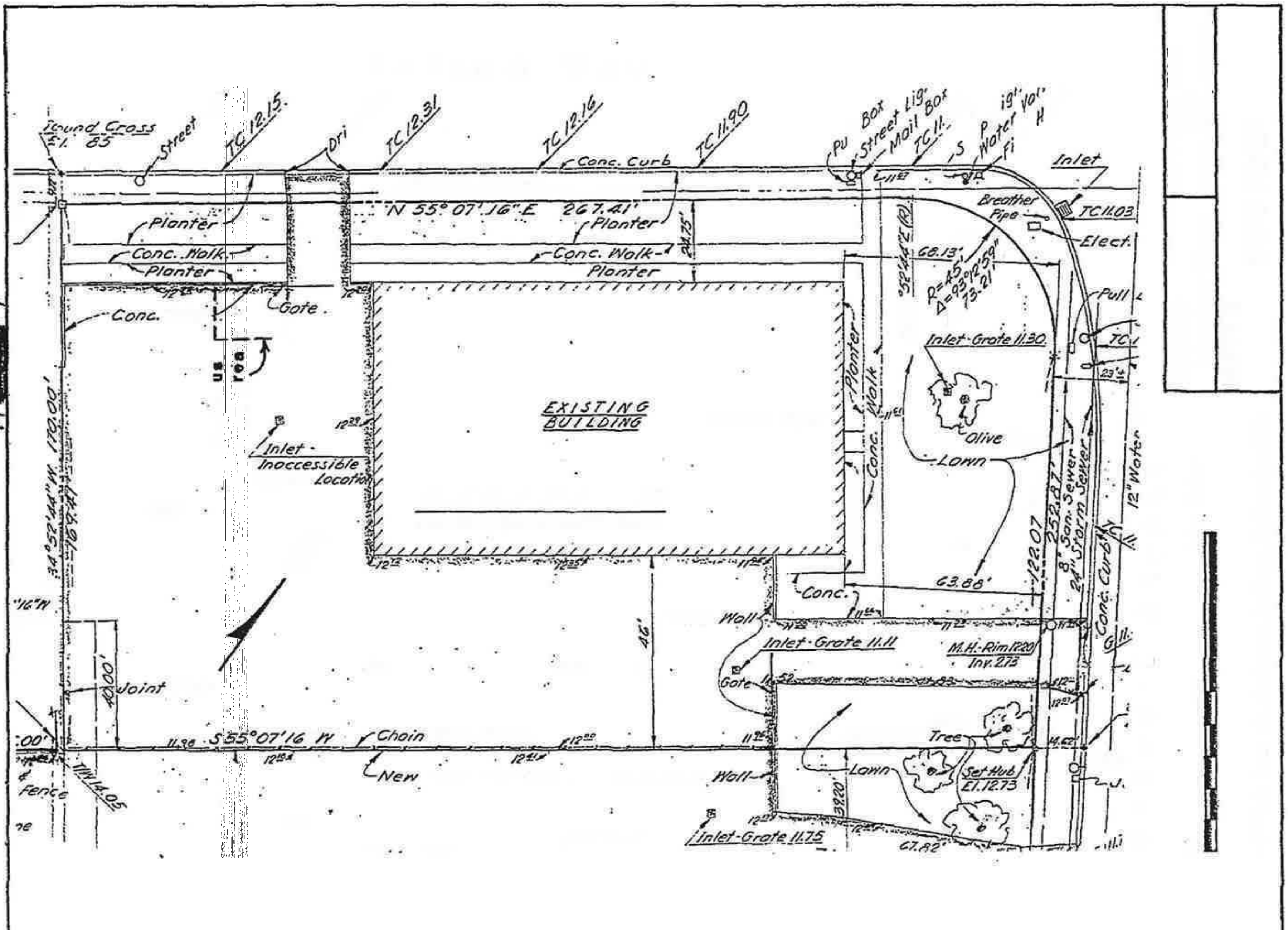
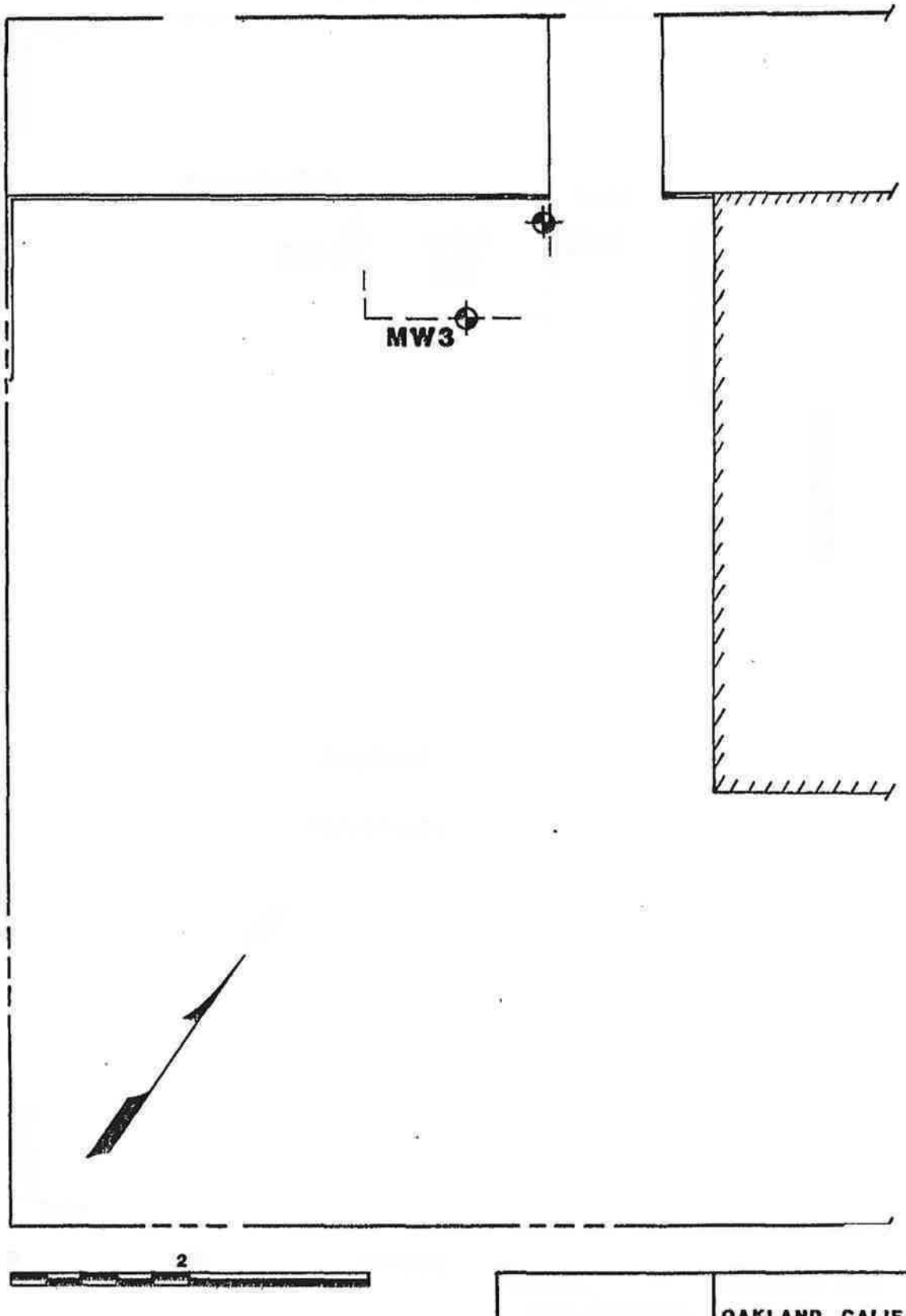
98TH



EXISTING BUILDING
N 55° 07' 16" E 267.41'
S 55° 07' 16 W
34° 52' 44" W 170.00'
Chain
New
Fence
Joint
40.00'
46'
24.75'
Planter
Conc. Walk
Conc. Curb
Conc.
Gate
Dri
Wall
Lawn
Olive
Tree
Set Hub El. 12.73
Inlet-Grate 11.75
Inlet-Grate 11.11
Inlet-Grate 11.30
M.H.-Rim 12.20 Inv. 2.73
Inlet
Inaccessible Location
TC 12.15
TC 12.31
TC 12.16
TC 11.90
TC 11.03
Street
Mail Box
Breather Pipe
Elect.
Pull
R=45'
Δ=93°12'59"
73.21
68.13'
63.88'
122.07
252.87
8" San. Sewer
24" Storm Sewer
12" Water
Conc. Curb
39.20'
67.82'

01 541 [redacted] F



OAKLAND, CALIF.

LA 3

NITORING W
LOCATIONS

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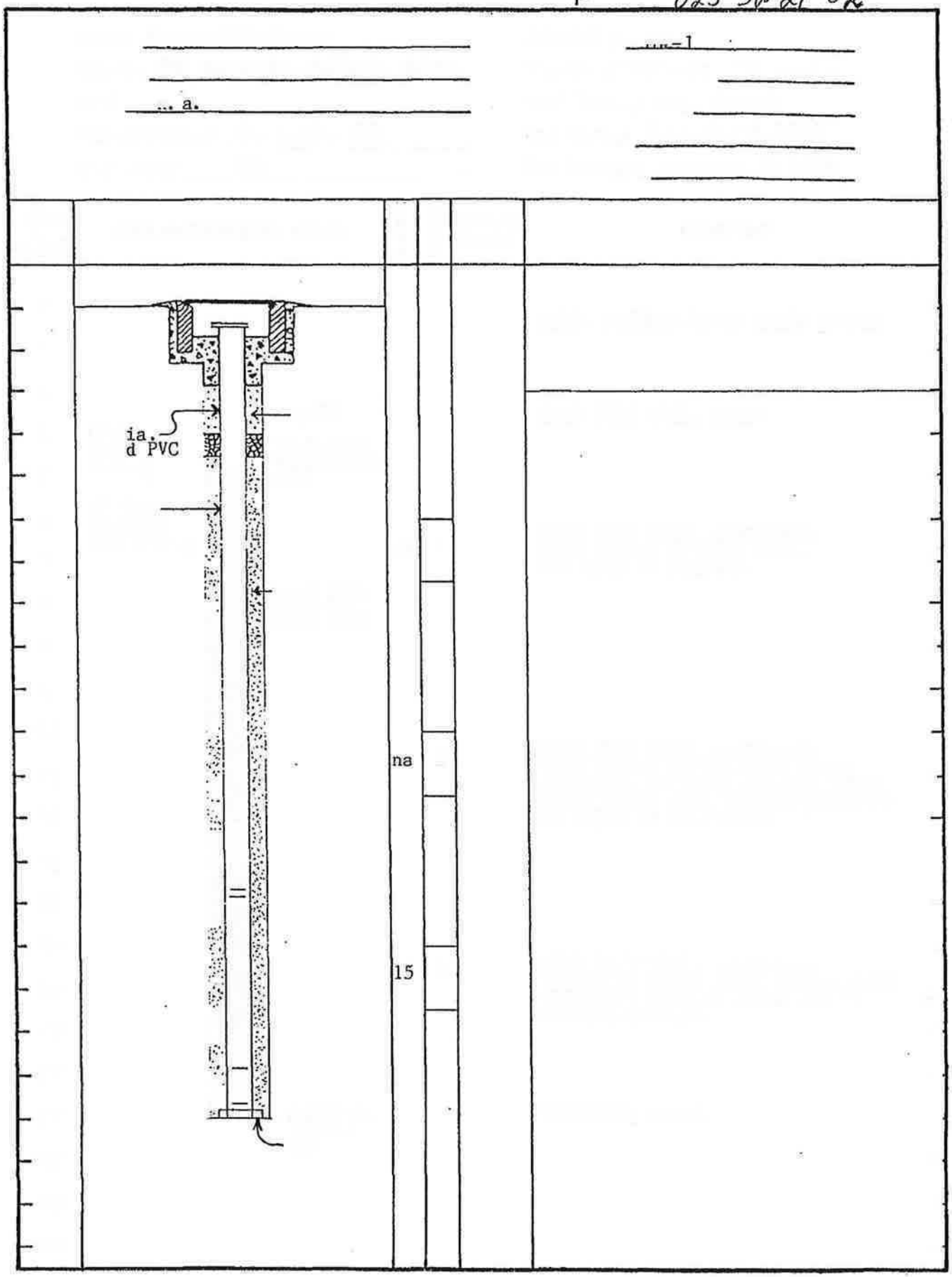

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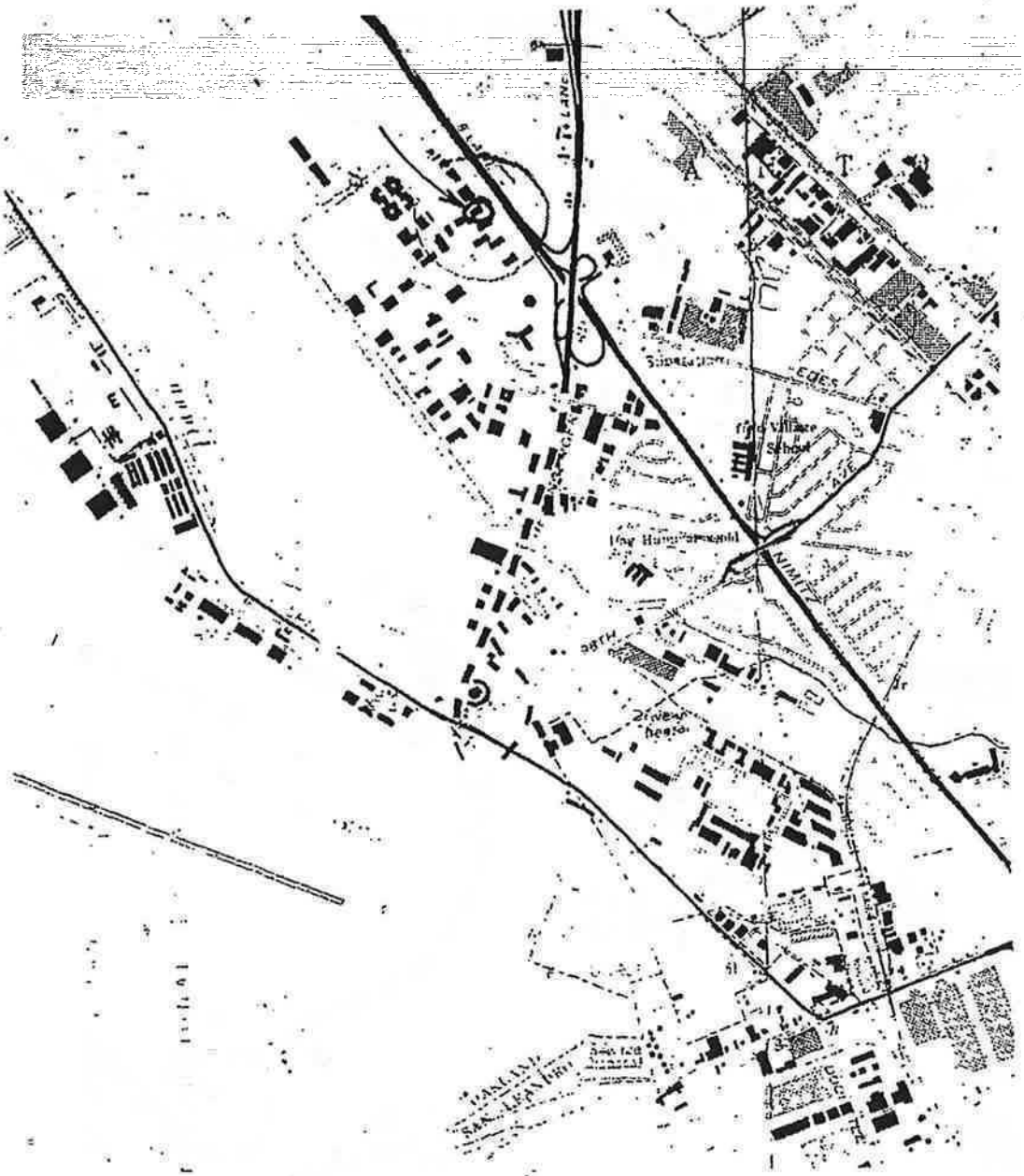
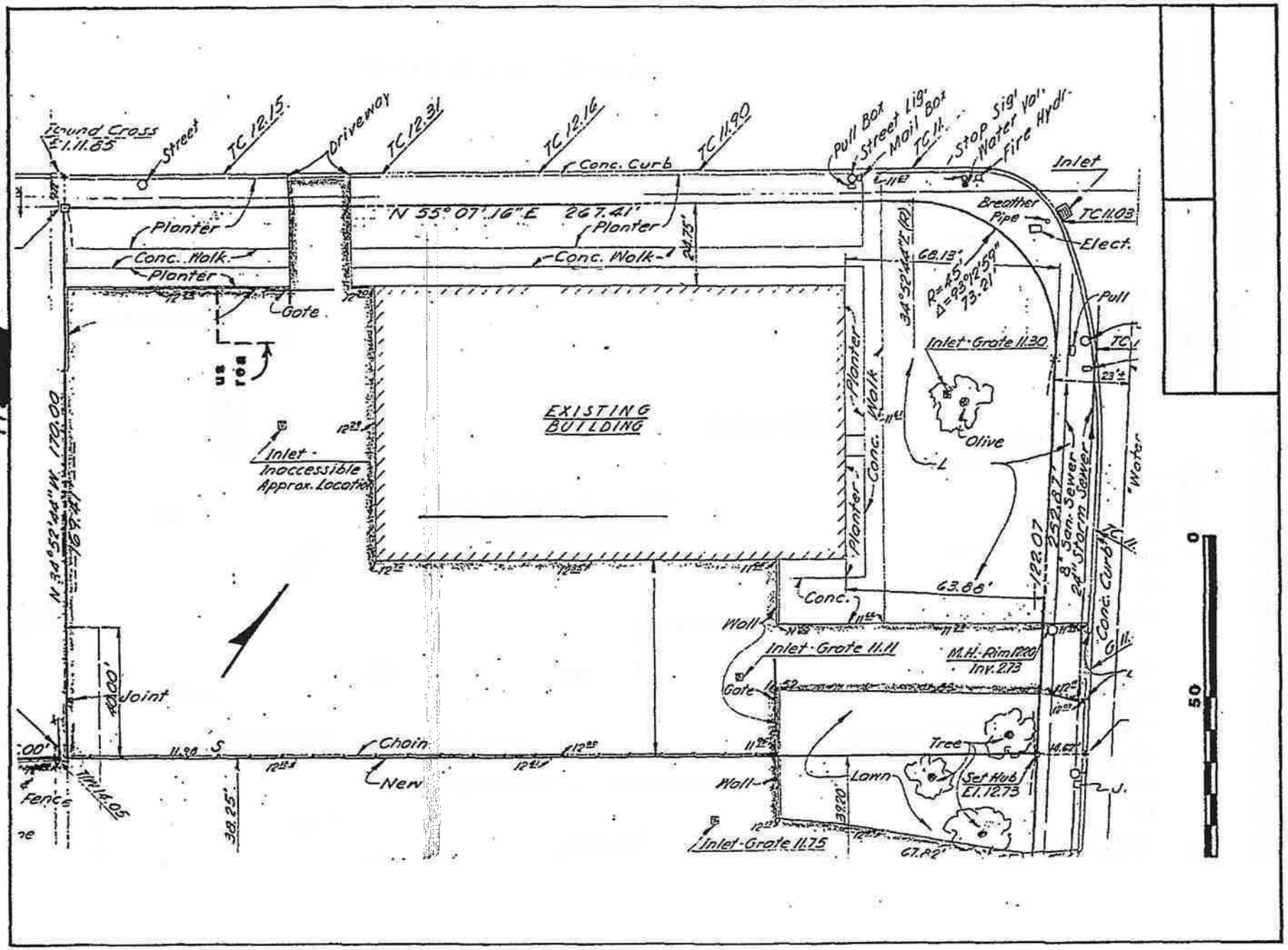
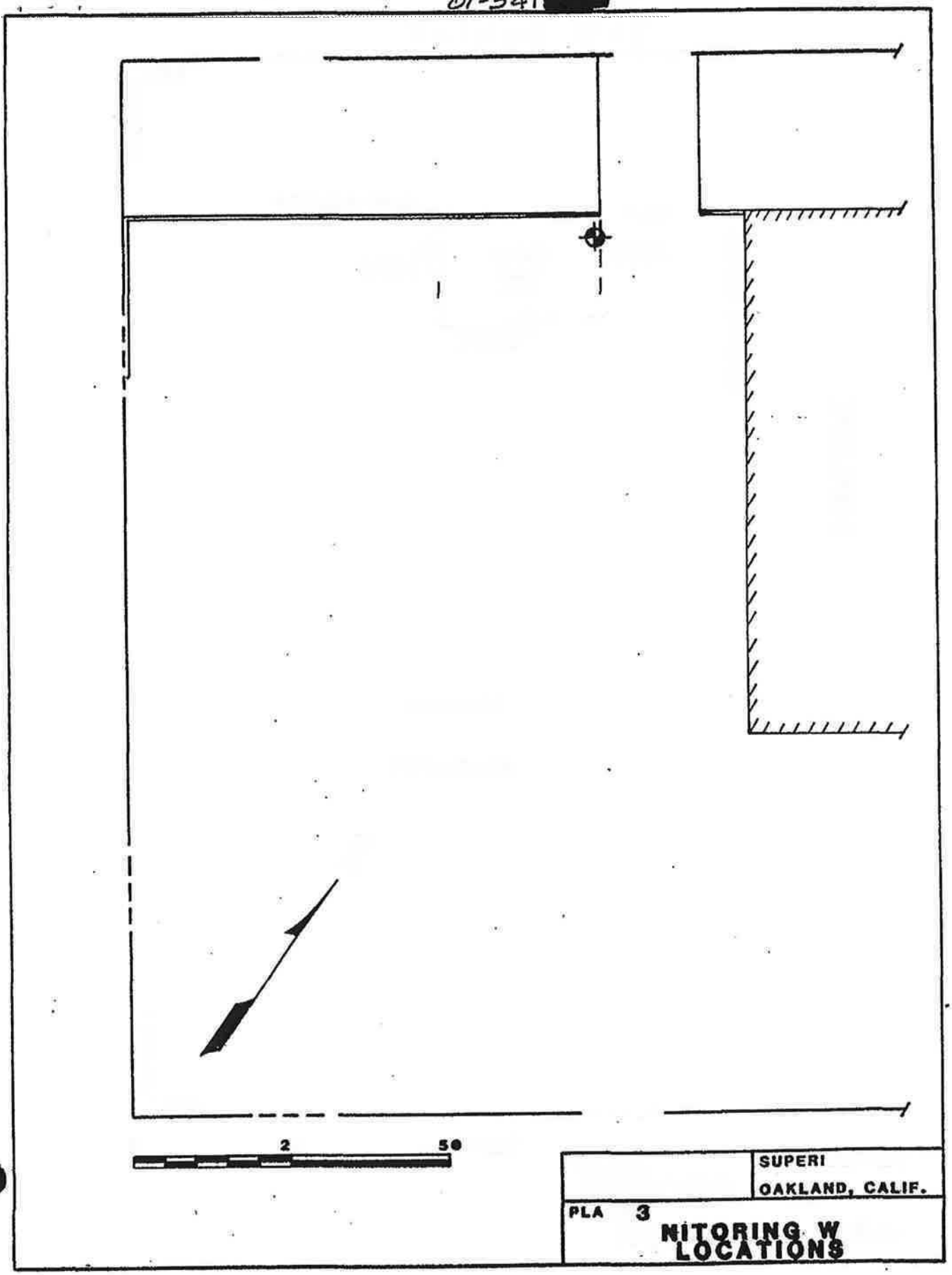



Found Cross
E 1.11.85
Street
TC 12.15
Driveway
TC 12.31
TC 12.16
TC 11.90
Conc. Curb
Pull Box
Street Lig'
Mail Box
TC 11.
Stop Sig'
Water Val'
Fire Hydr'
Inlet
N 55° 07' 16" E 267.41'
Planter
Conc. Walk
Planter
Conc. Walk
Planter
24.75'
Breather Pipe
TC 11.03
Elect.
68.13'
R=45'
Δ=93°12'59"
73.21
34°52'44"E (R)
Pull
Inlet-Grate 11.30
TC
Gate
EXISTING BUILDING
Inlet-Inaccessible Approx. Location
Planter
Walk
Conc.
Planter
Olive
Water
252.87'
8" Sam. Sewer
24" Storm Sewer
122.07'
63.66'
Conc.
Conc. Curb
Wall
Inlet-Grate 11.11
M.H.-Rim 11.00
Inv. 2.73
Gate
Joint
Chain
Tree
Lawn
Set Hub
El. 12.73
Wall
Fence
38.25'
Inlet-Grate 11.75
67.82'
0
50

01-541[redacted]



01-5 1G 02S03W21

Compa..,

on

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ZONE 7 WATER RESOURCES MANAGEMENT

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCAT OF PROJECT rear of Property located at 7801 Oakport St. Oakland, CA 94621

CL
lame
ddres

PPL
John Hl
Epigene International
d 38750 Paseo Padre Pkwy, B-4
C Fremont

(A.)

R

WELL

EOTECHNICAL PROJECTS NA
Number of Borings ___ Maximum
Hole Diameter ___ In. Depth ___ ft.

ESTIMATED STARTING DATE 11/5/92 ?
ESTIMATED COMPLETION DATE 11/5/92

D. CATHODIC. Fill hole above anode placed by tremie.
E. WELL DESTRUCTION. See attached.

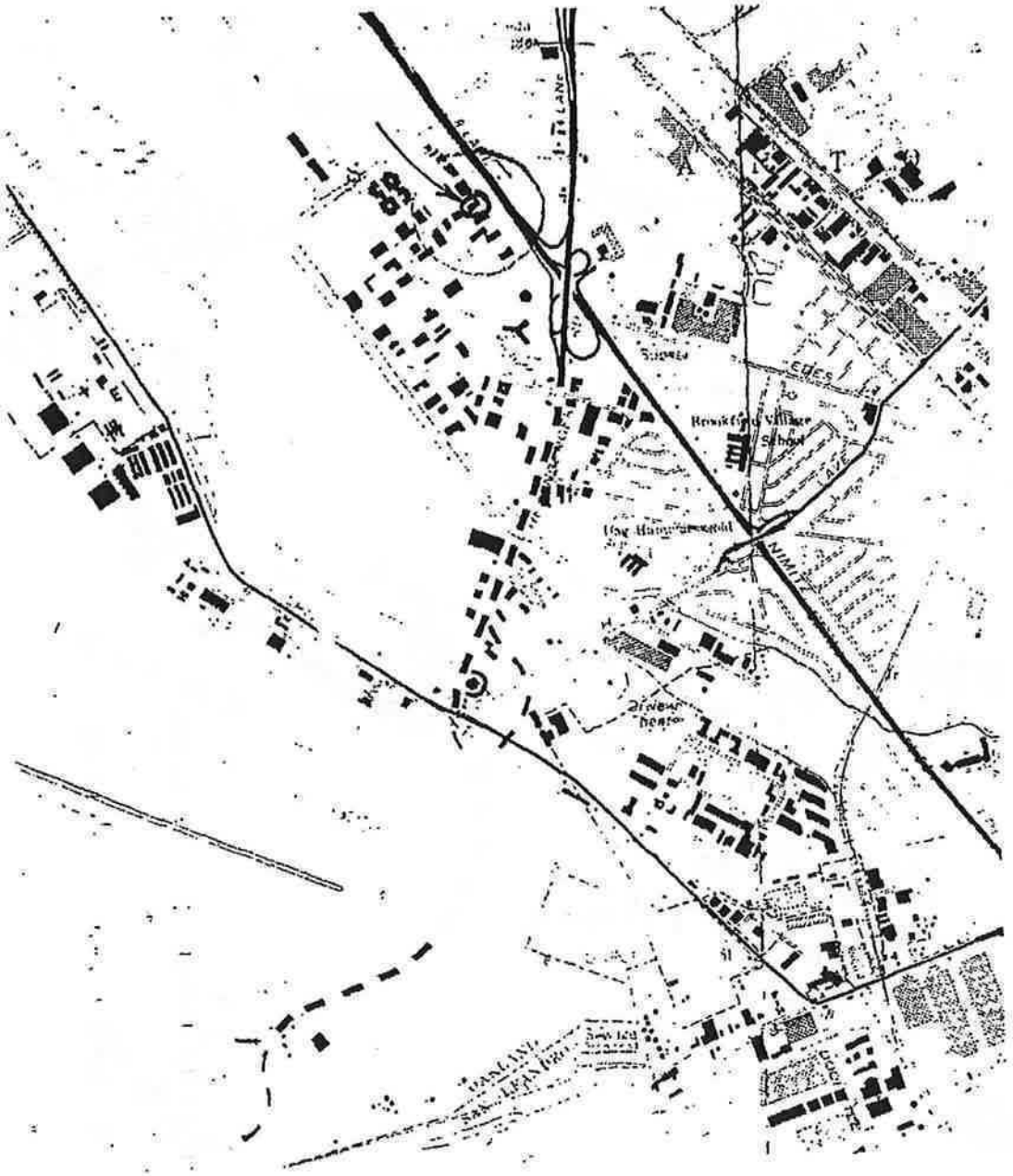
Approved Wyman Hong
Wyman Hong

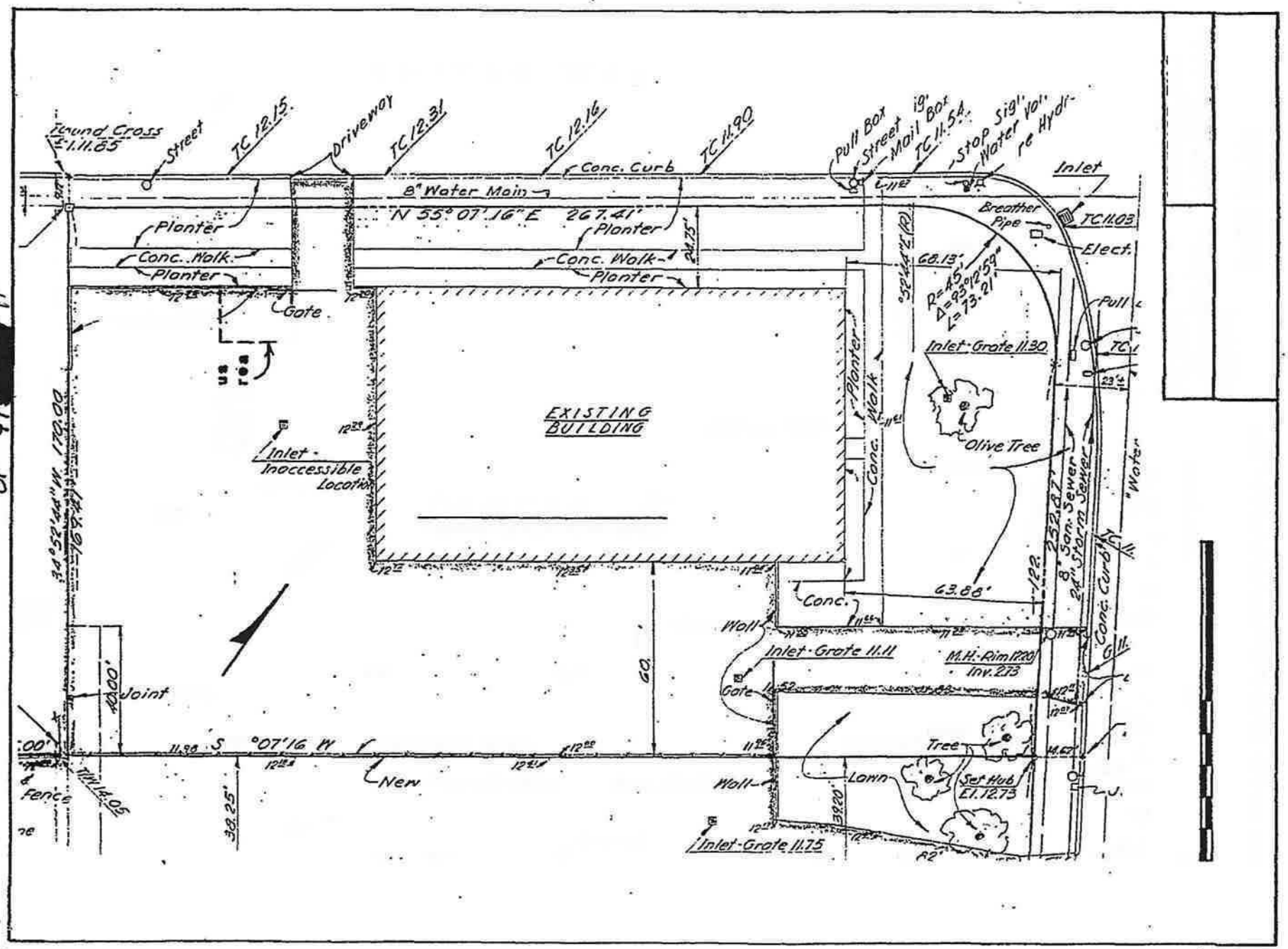
hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

ICANT'S
SIGNATURE John Hart Date 10/29/92

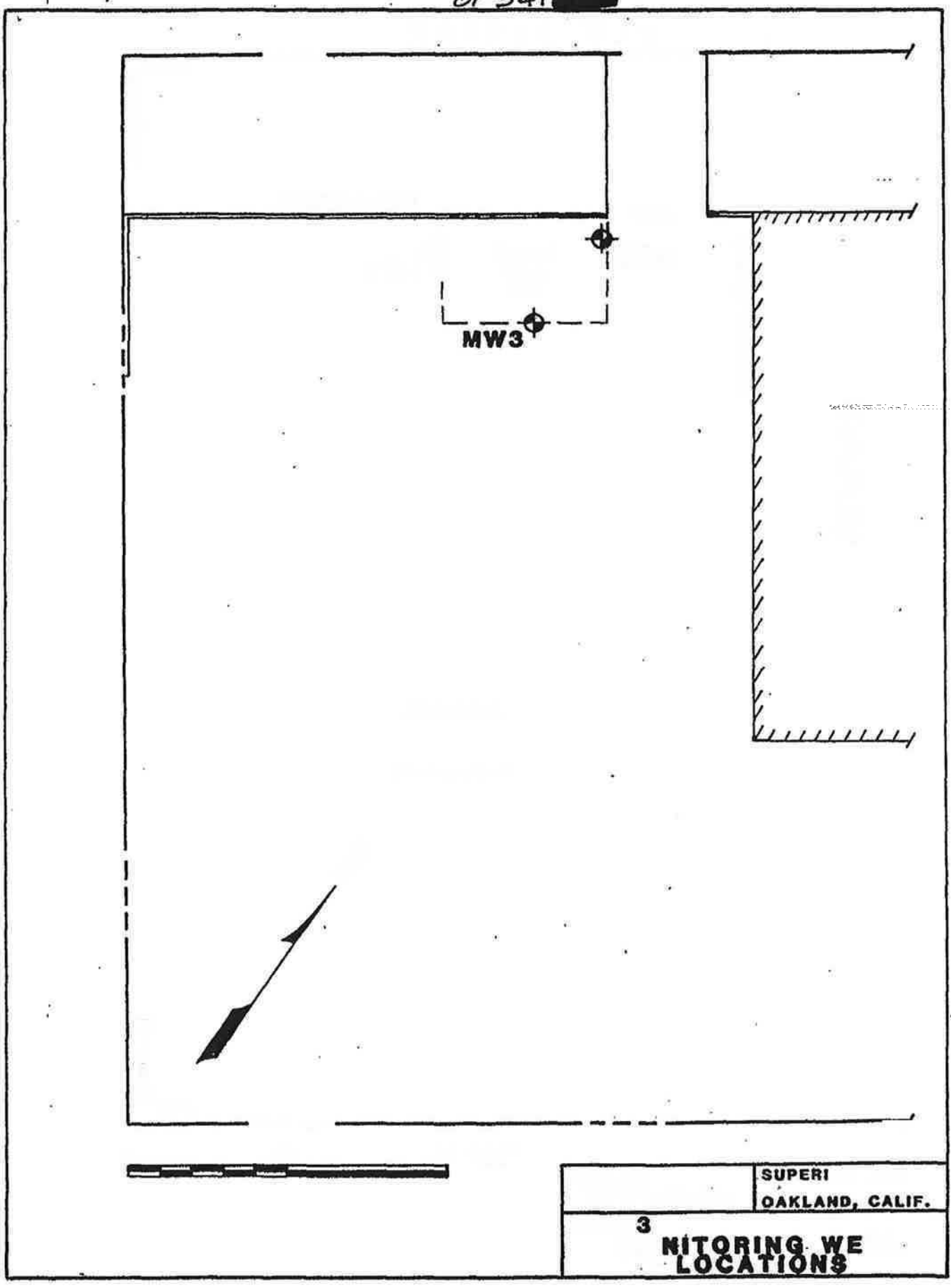
PRINTED BY UNION LABOR-LOCAL 444, AFL-CIO-LOCAL 616, SEIU

01-541[redacted] H

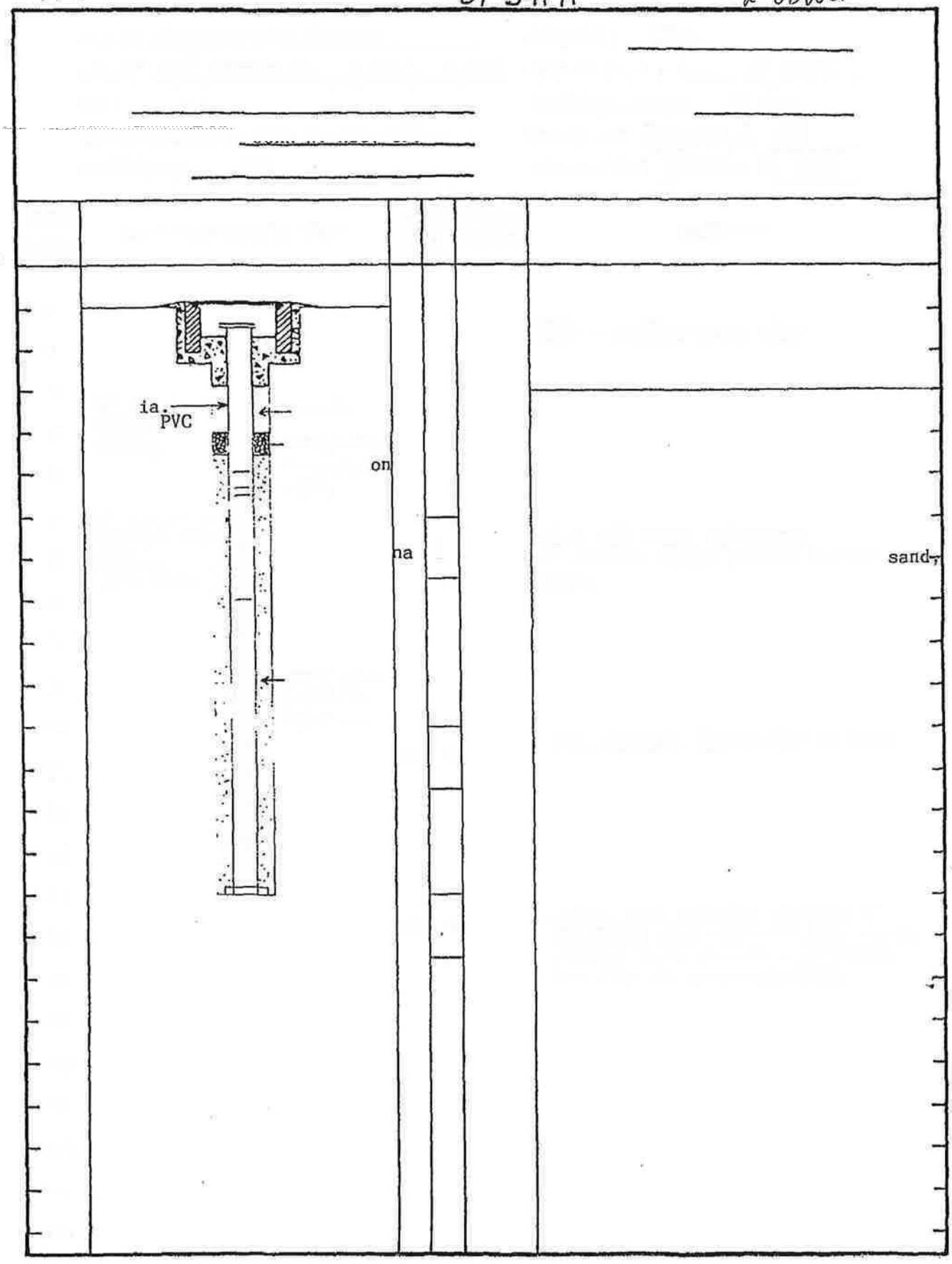



Ground Cross
El. 11.85
Street
TC 12.15
Driveway
TC 12.31
TC 12.16
TC 11.90
Conc. Curb
Pull Box
Street lig'
Mail Box
TC 11.54
Stop Sig'l
Water Val'
re Hydr-
Inlet
8" Water Main
N 55° 07' 16" E 267.41'
Planter
Conc. Walk
Planter
Conc. Walk
Planter
24.75'
Gate
Breather Pipe
TC 11.03
Elect.
68.13'
R=45'
Δ=93°12'59"
L=73.21'
Inlet-Grate 11.30
Pull
EXISTING BUILDING
Planter
Conc. Walk
Olive Tree
Inlet-Inaccessible Locatio
34° 52' 44" W 170.00
63.88'
122.
8" San. Sewer
24" Storm Sewer
Conc. curb
Conc.
Wall
Inlet-Grate 11.11
M.H.-Rim 11.20
Inv. 2.73
Gate
Joint
40.00'
60.
S 07° 16' W
11.98
Tree
Lawn
Set Hub
El. 12.73
Wall
Fence
New
38.25'
Inlet-Grate 11.75
39.20'

01 541 [redacted]

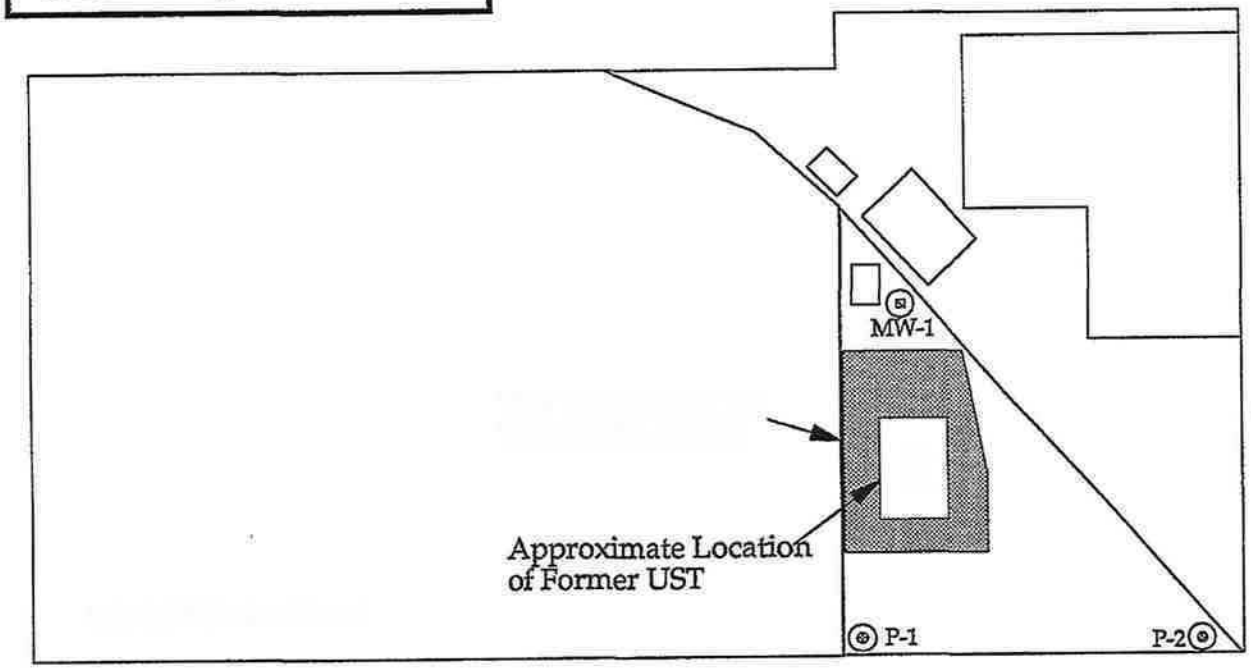


01 541 H 2 03W2



LEGEND

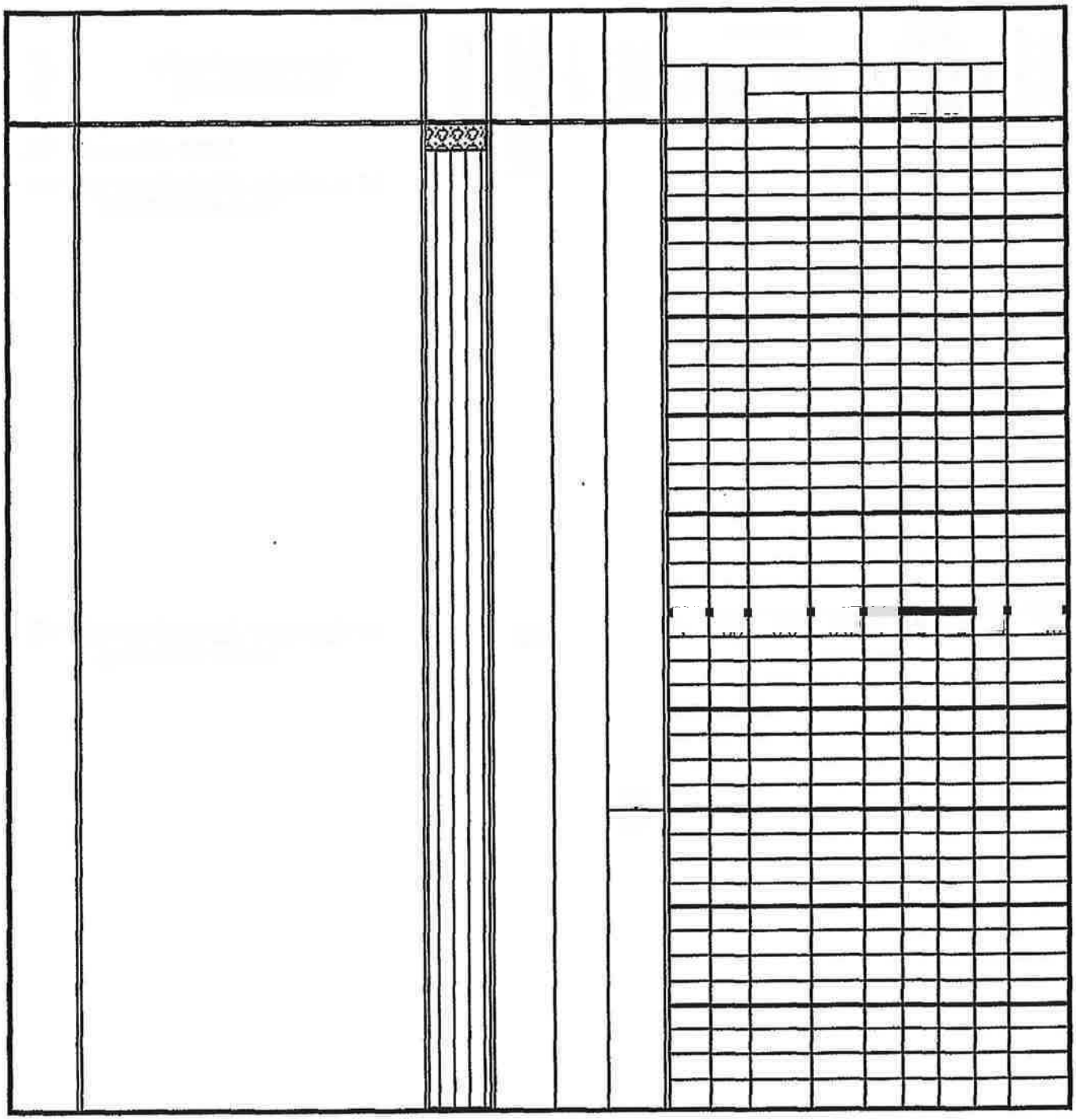
- 4" dia. Monitoring Well
- 2" dia. Piezometer
- Soil Boring



NORTH

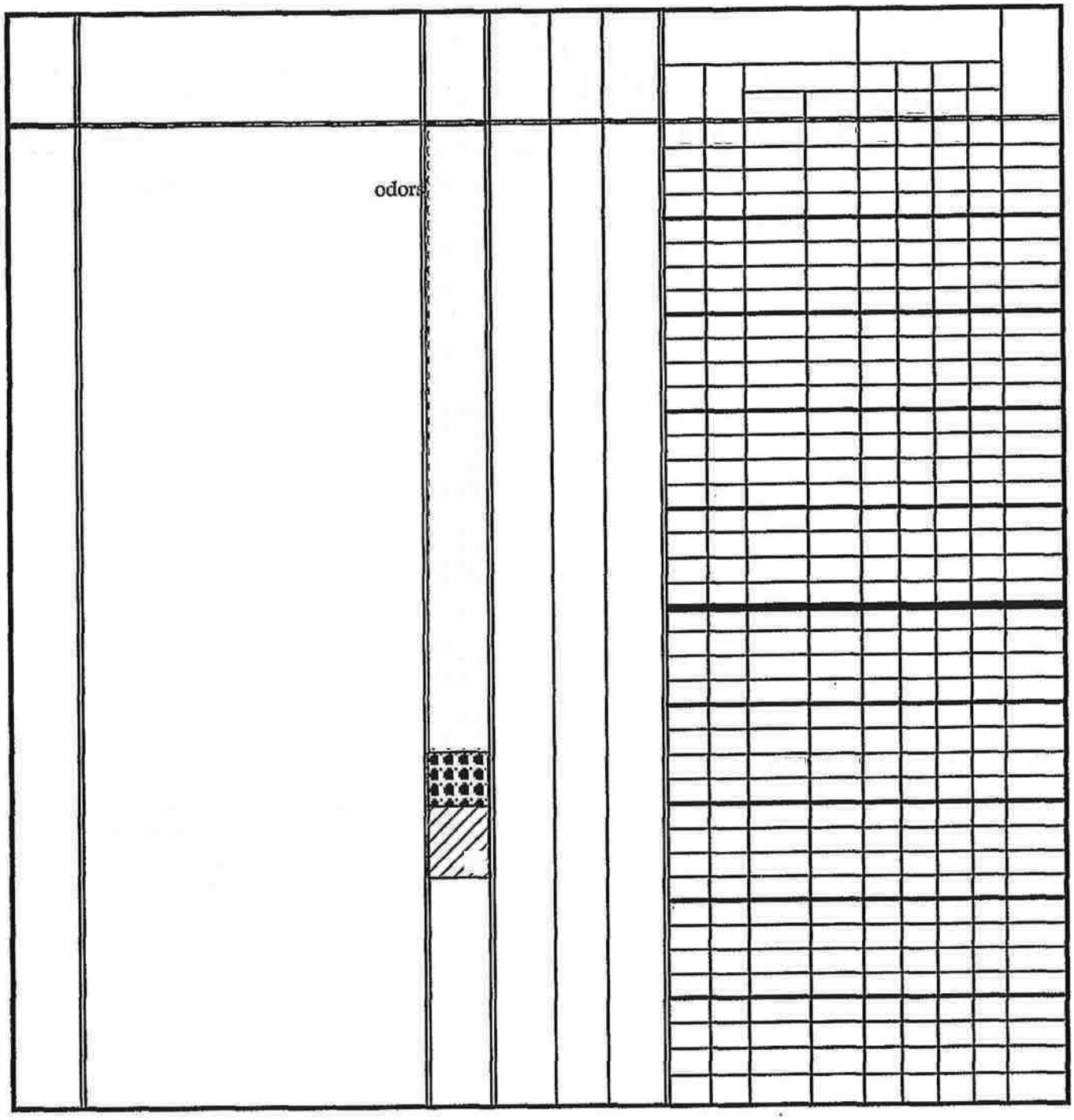
PROJECT NO.: 244.1		

feet

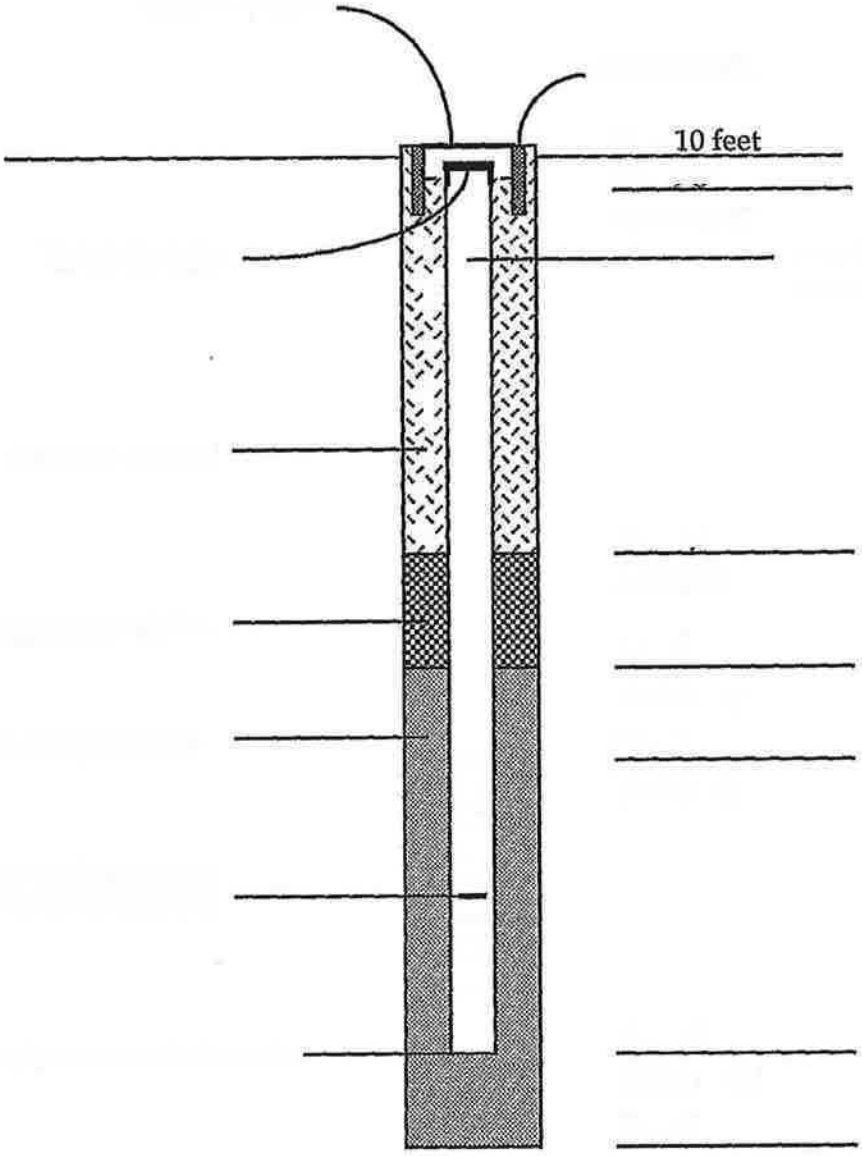


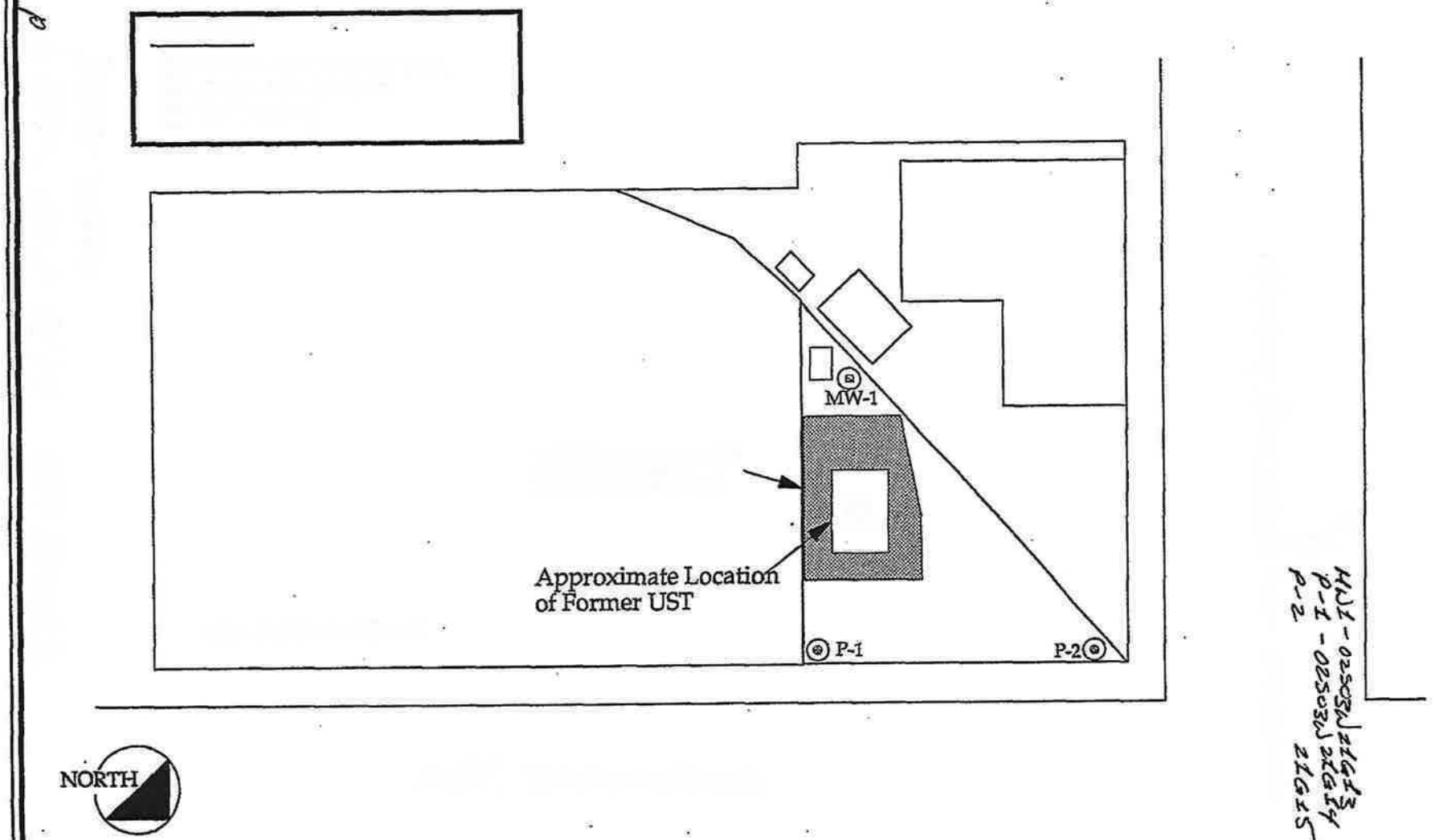
244.1

westing northin building



BY: Jeff Stivers

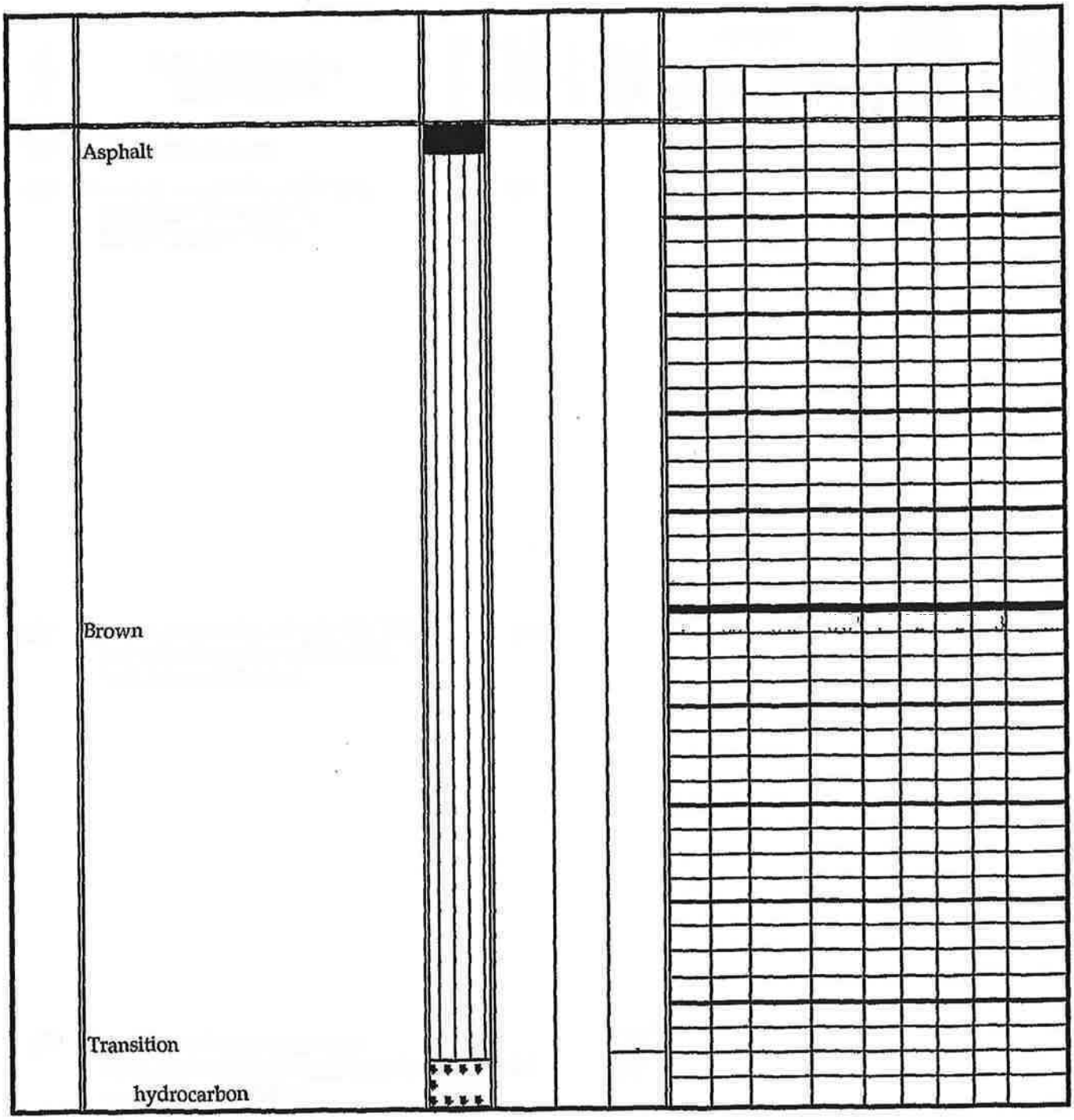




PROJECT NO.: 244.1		

2 feet easting and 5 feet northing of the northeast corner of the building

feet



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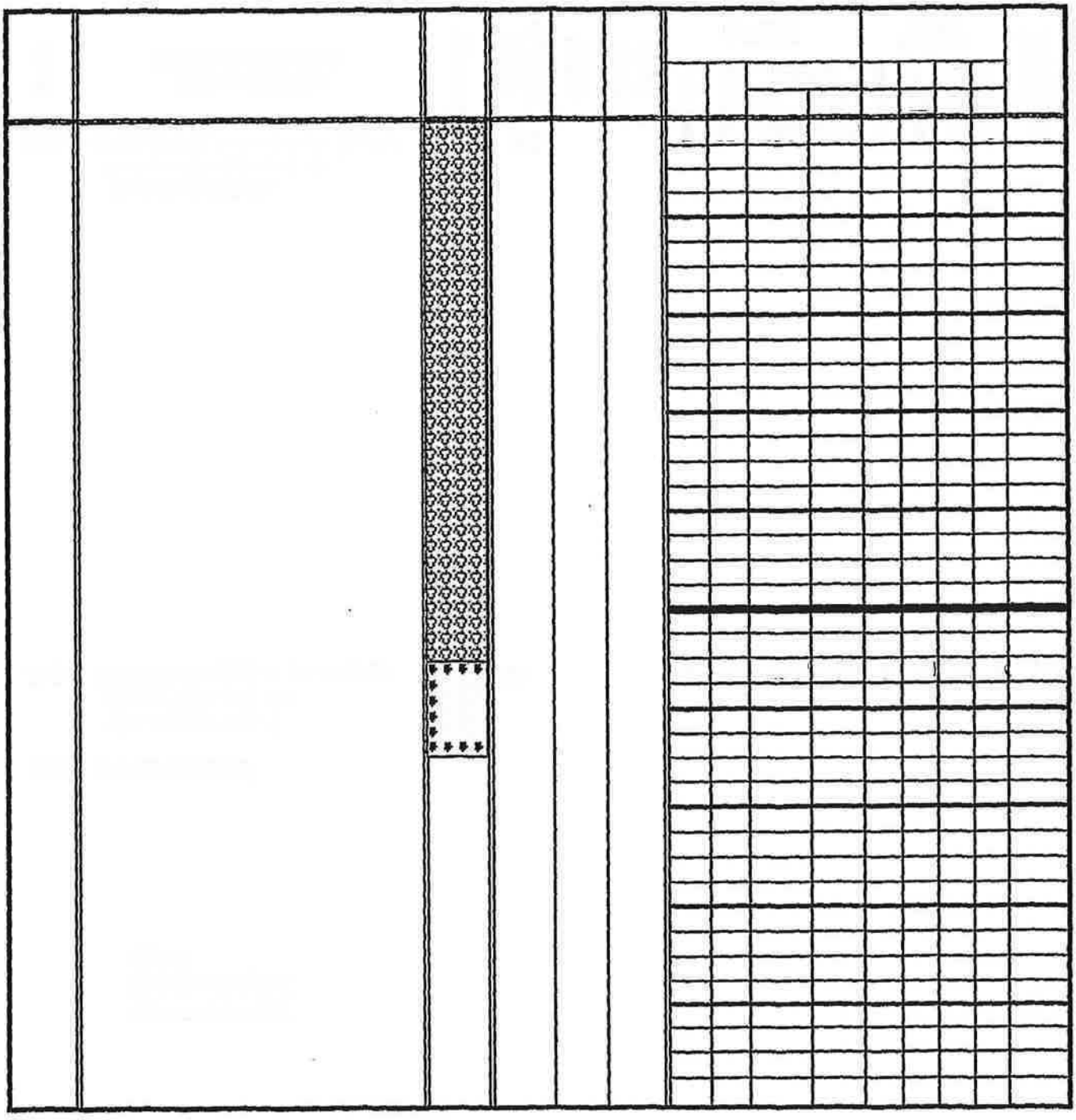
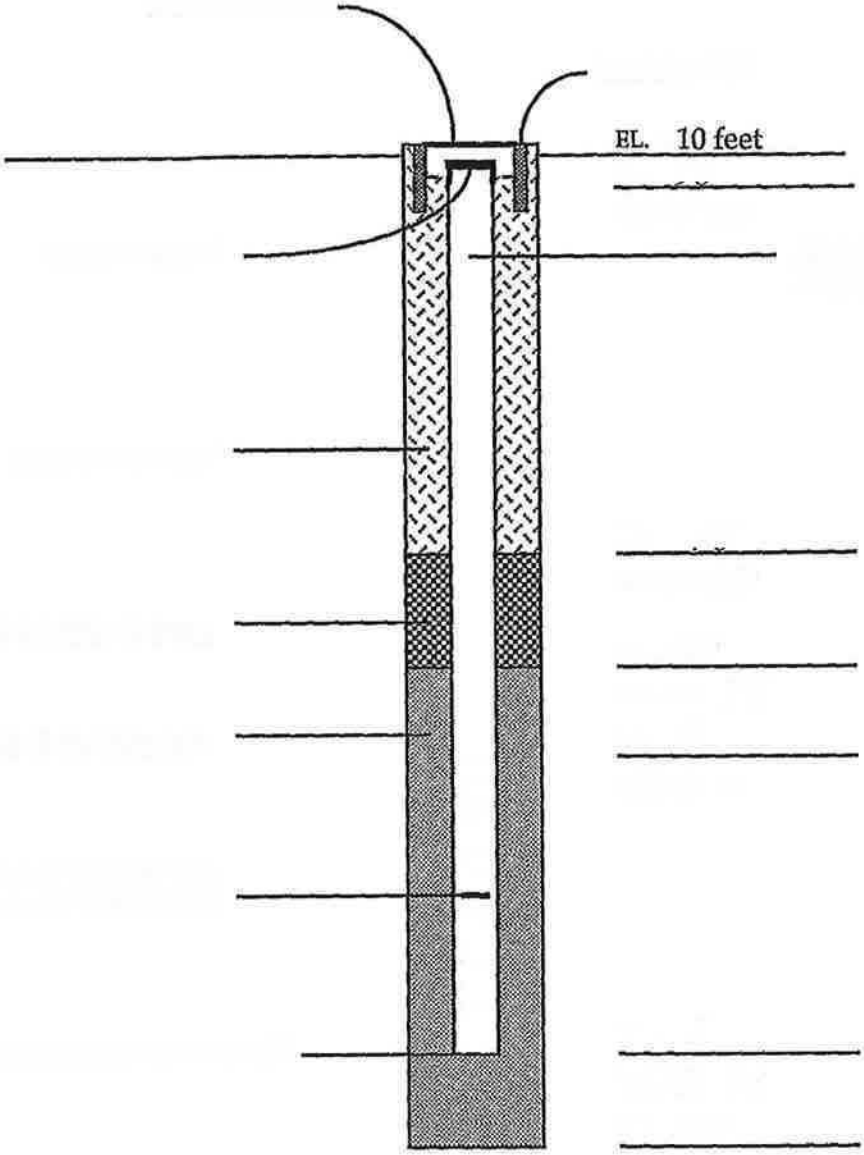
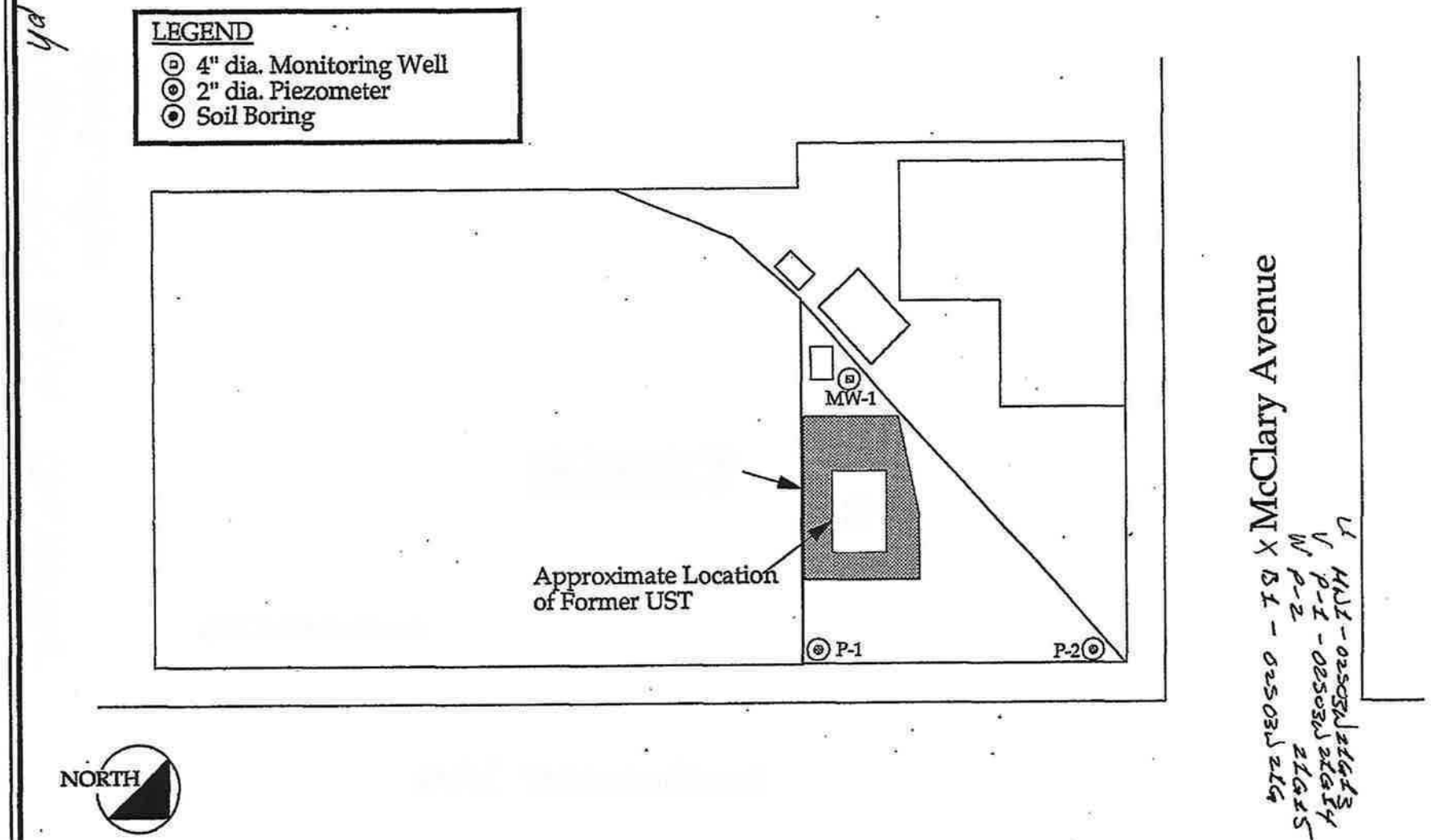


easting, northing bldg.

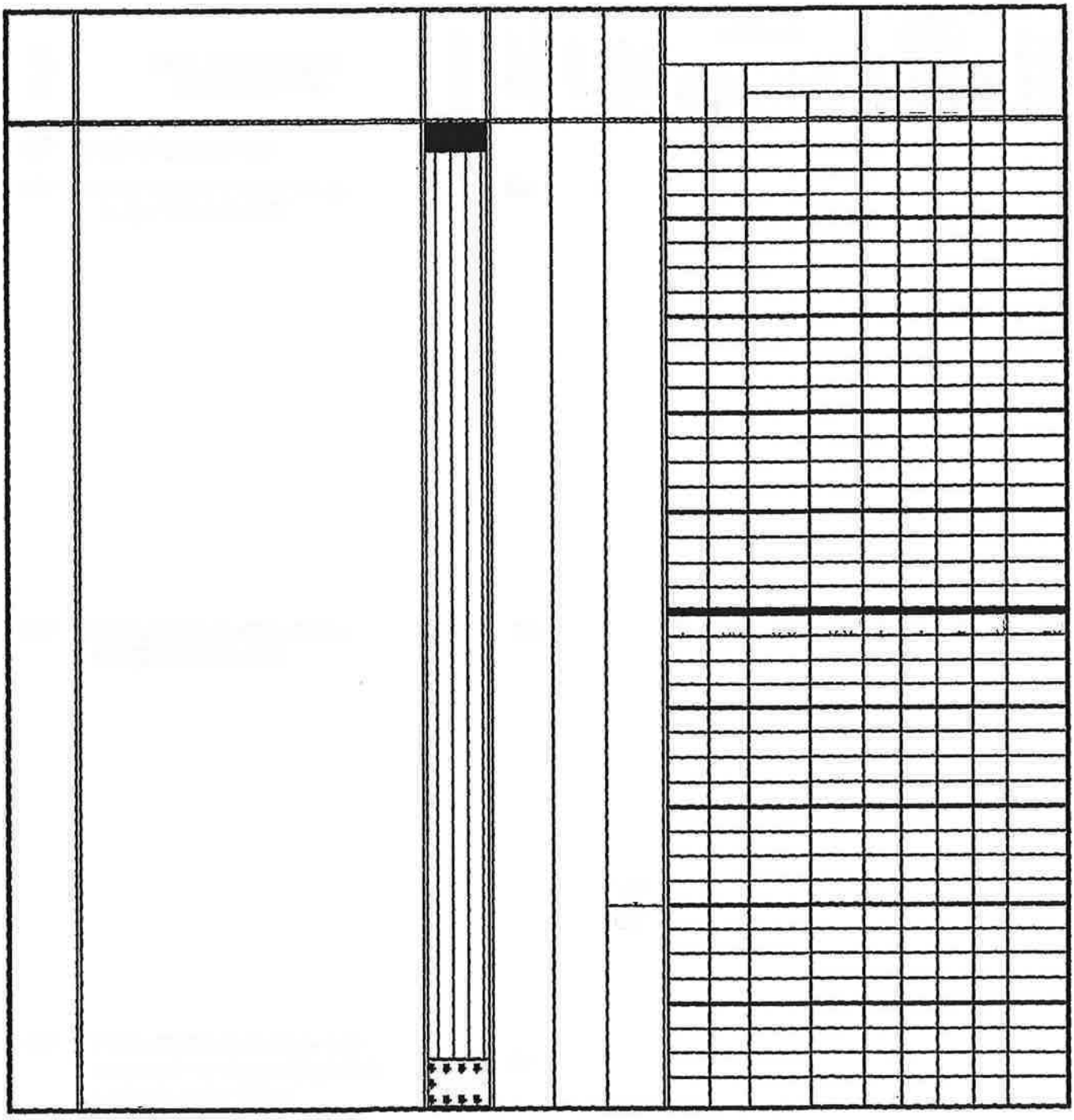


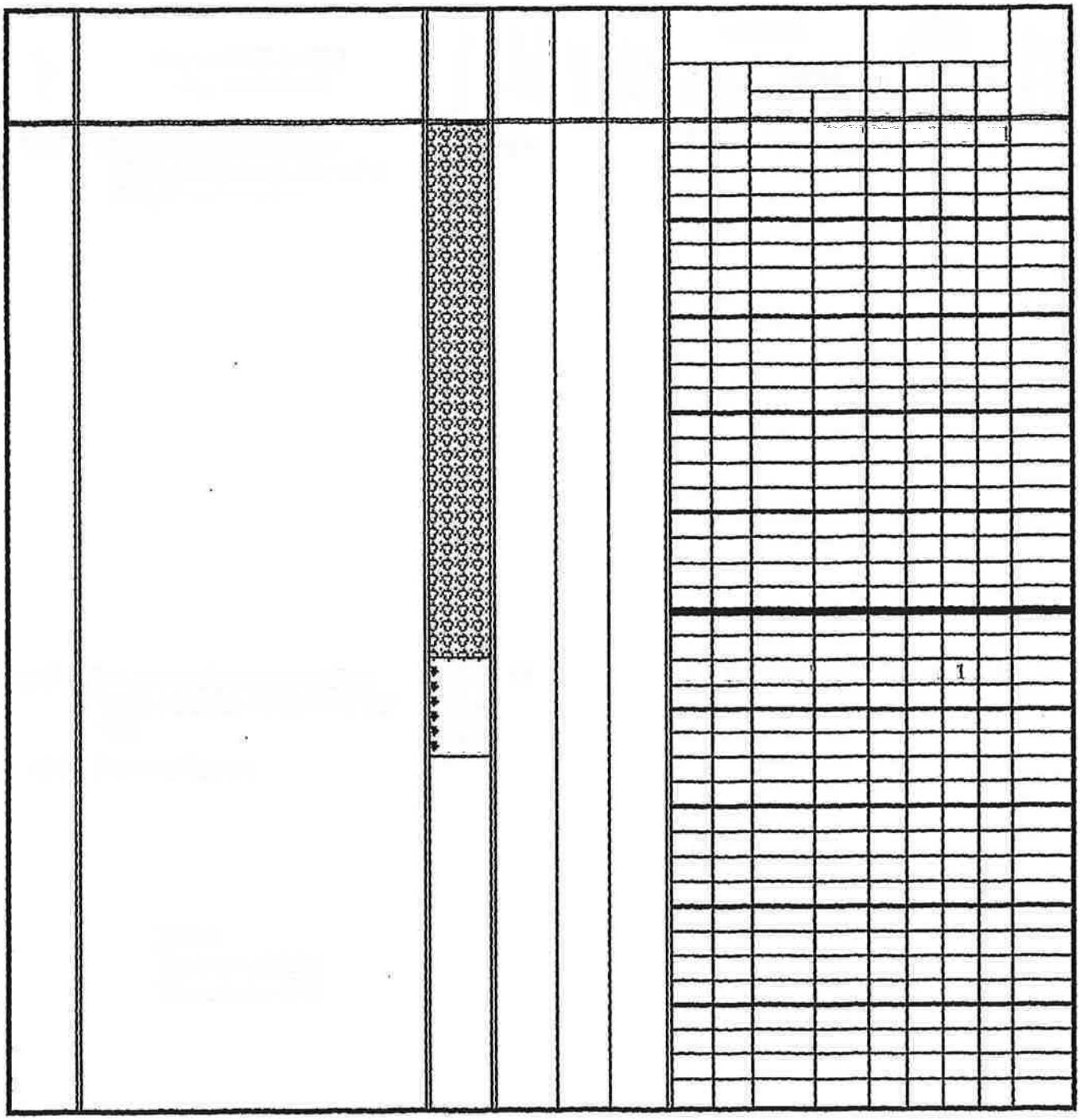

LEGEND
4" dia. Monitoring Well
2" dia. Piezometer
Soil Boring
MW-1
Approximate Location of Former UST
P-1
P-2
McClary Avenue
NORTH

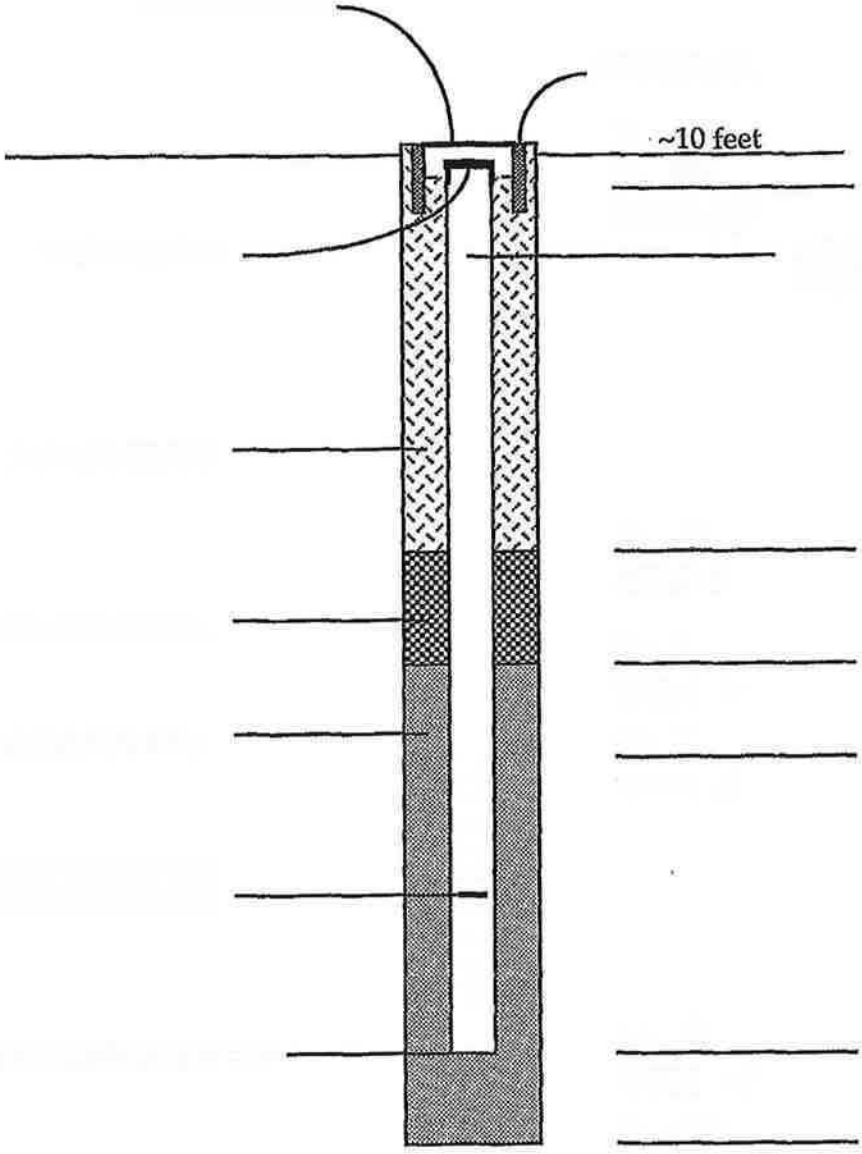
244.1-05		

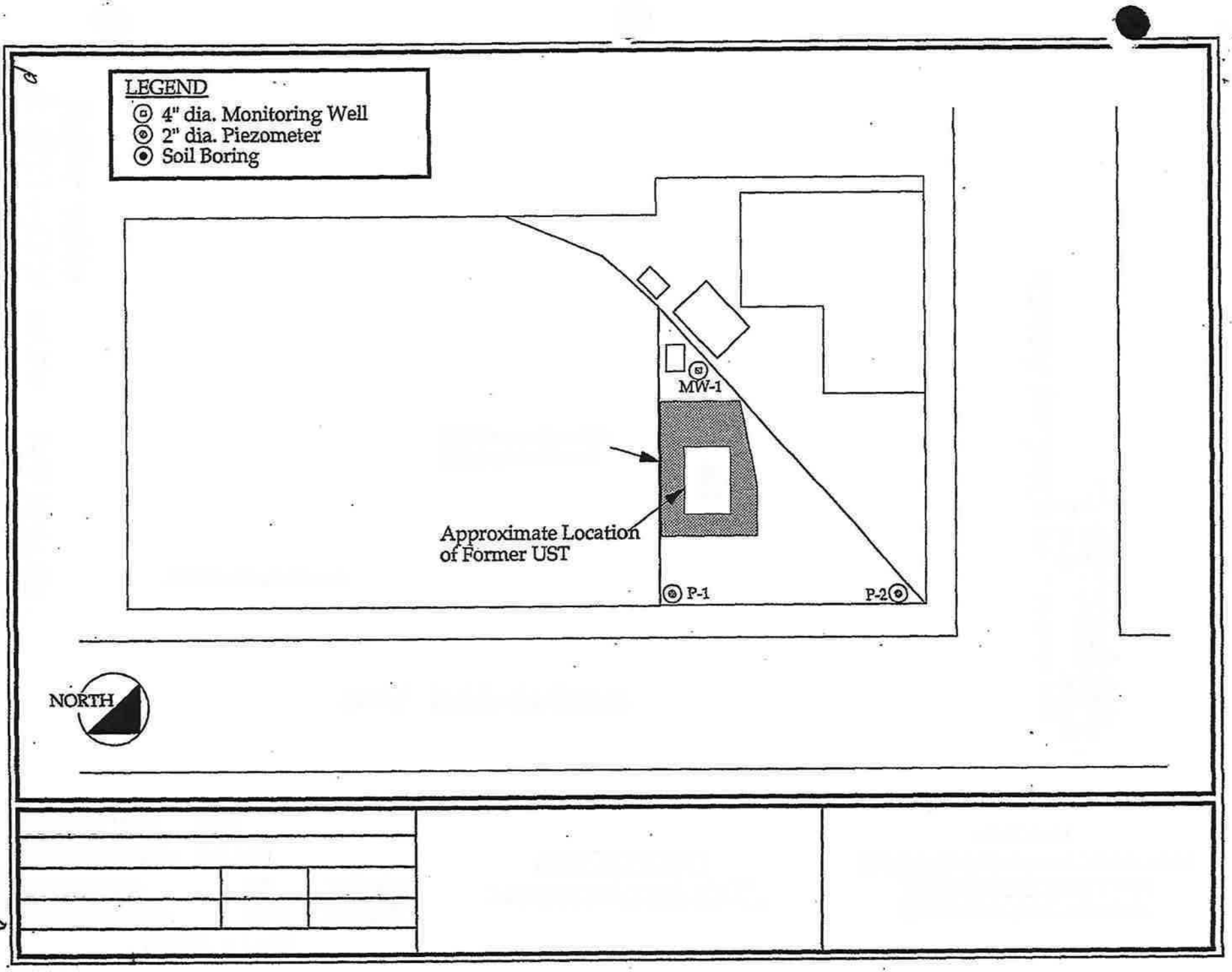
Properties

the

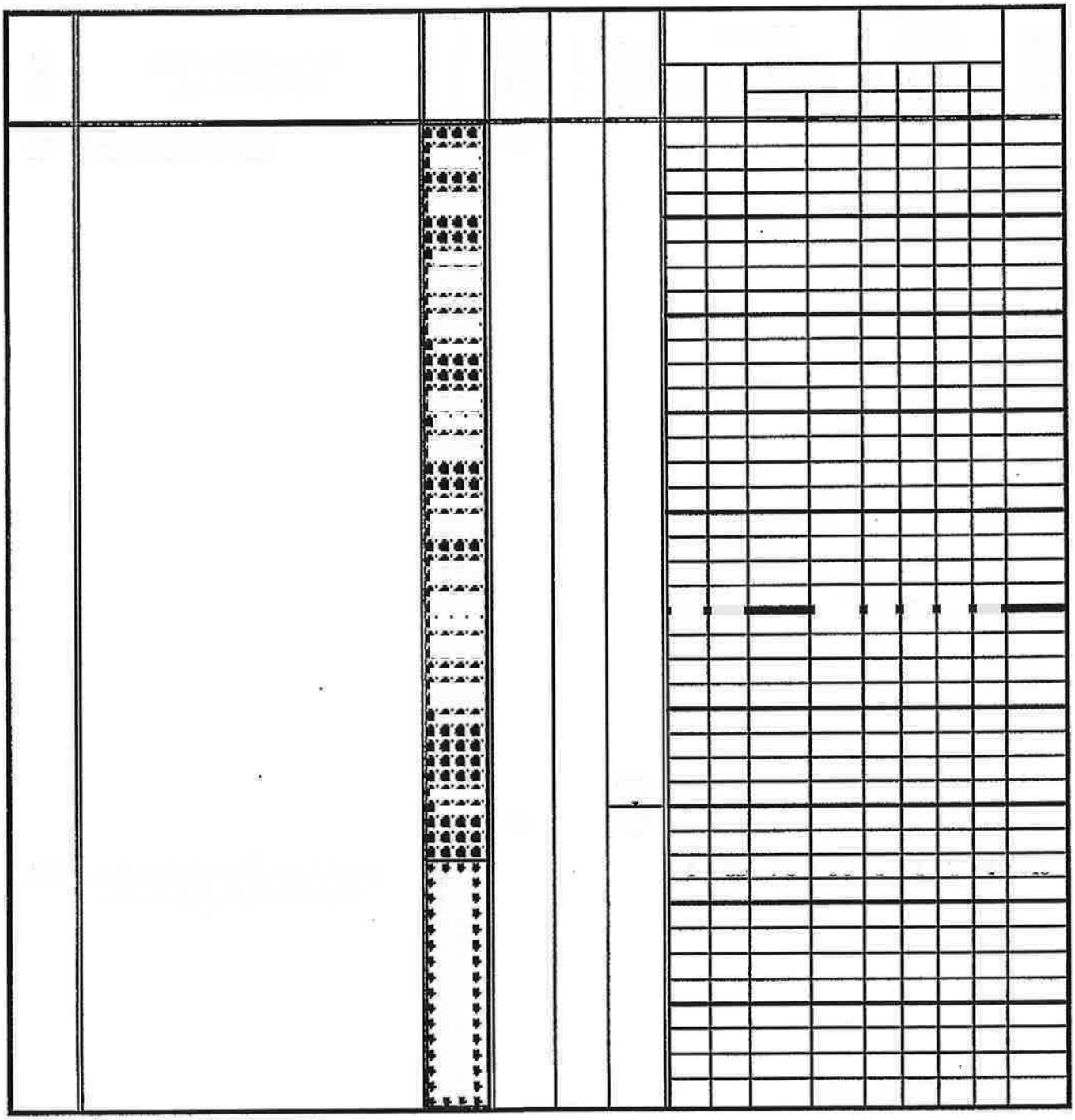





~10 feet


LEGEND
4" dia. Monitoring Well
2" dia. Piezometer
Soil Boring
MW-1
Approximate Location
of Former UST
P-1
P-2
NORTH

westin n buildin



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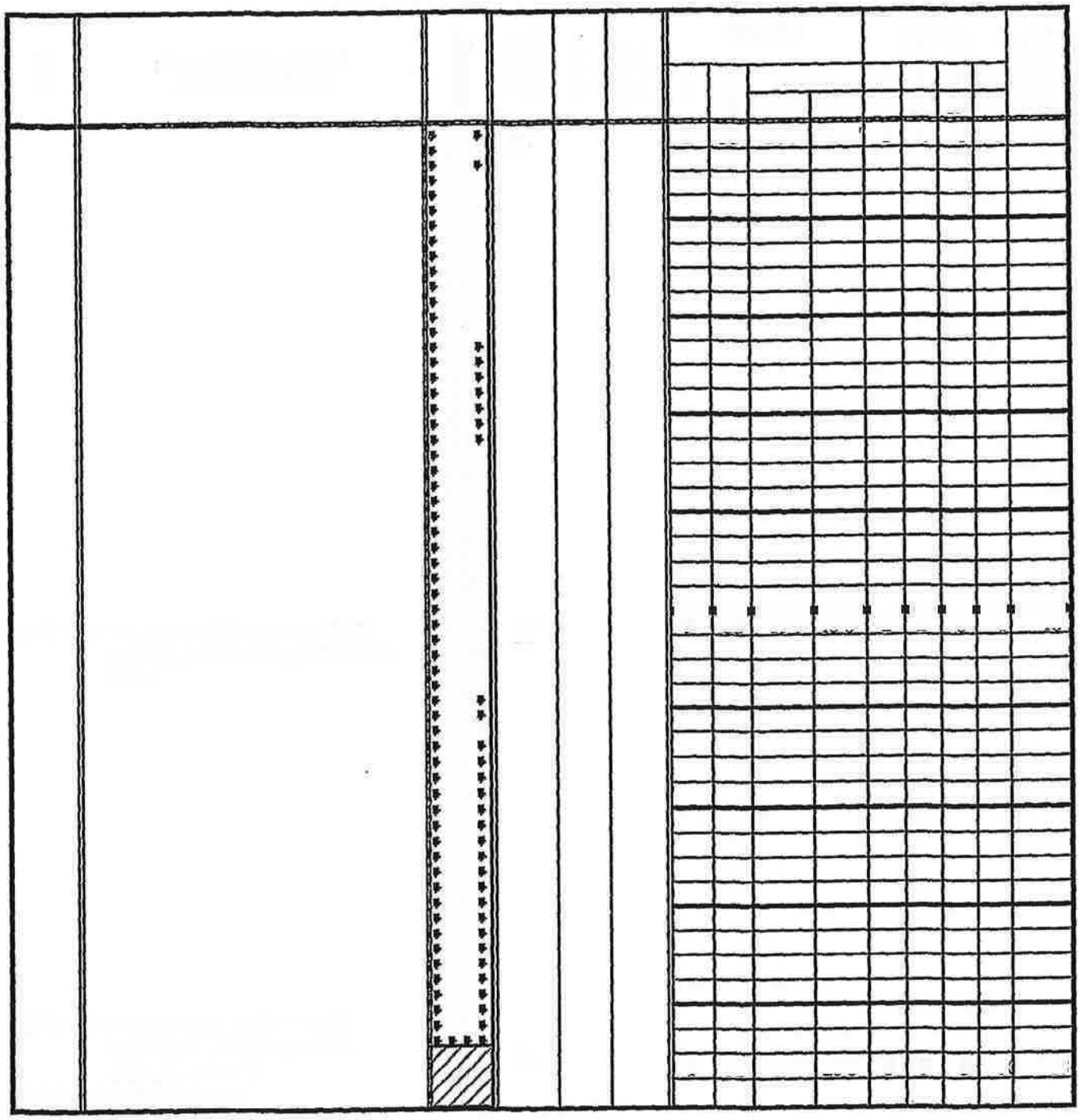
westing the buildi

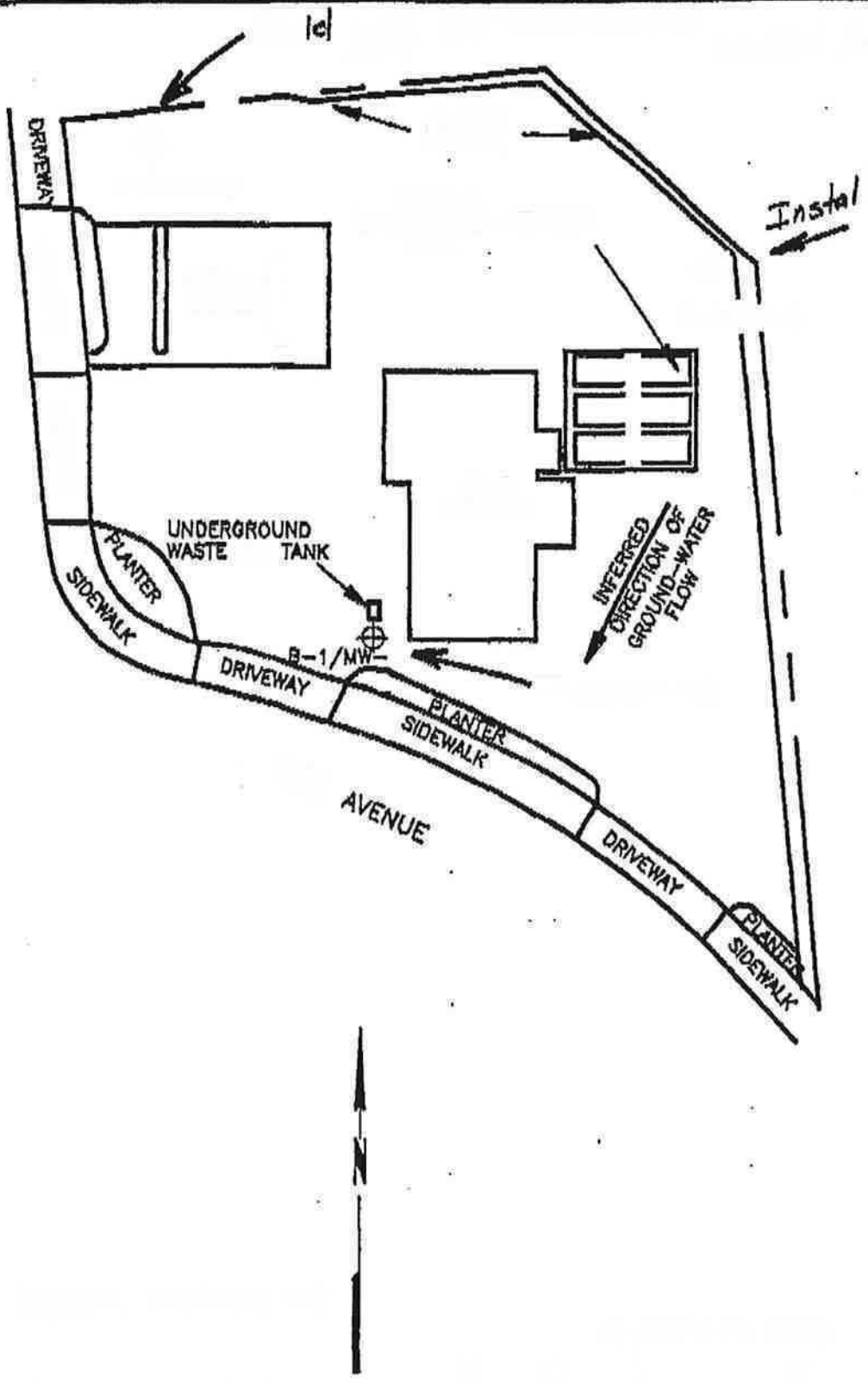
feet



2S/3W 2G1 01-4520

Applied GeoSystems

01-452Q

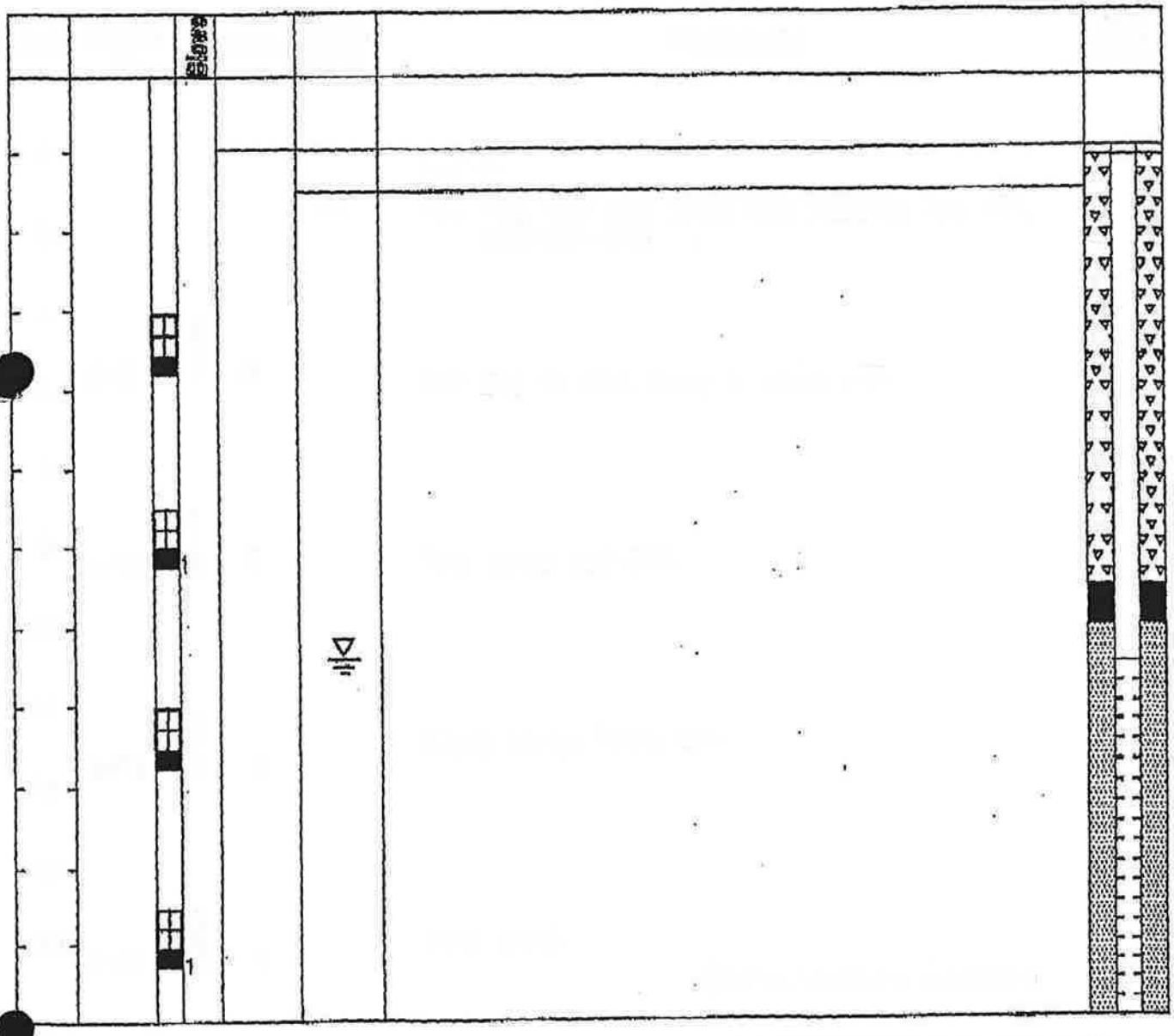


Applied Geosystems

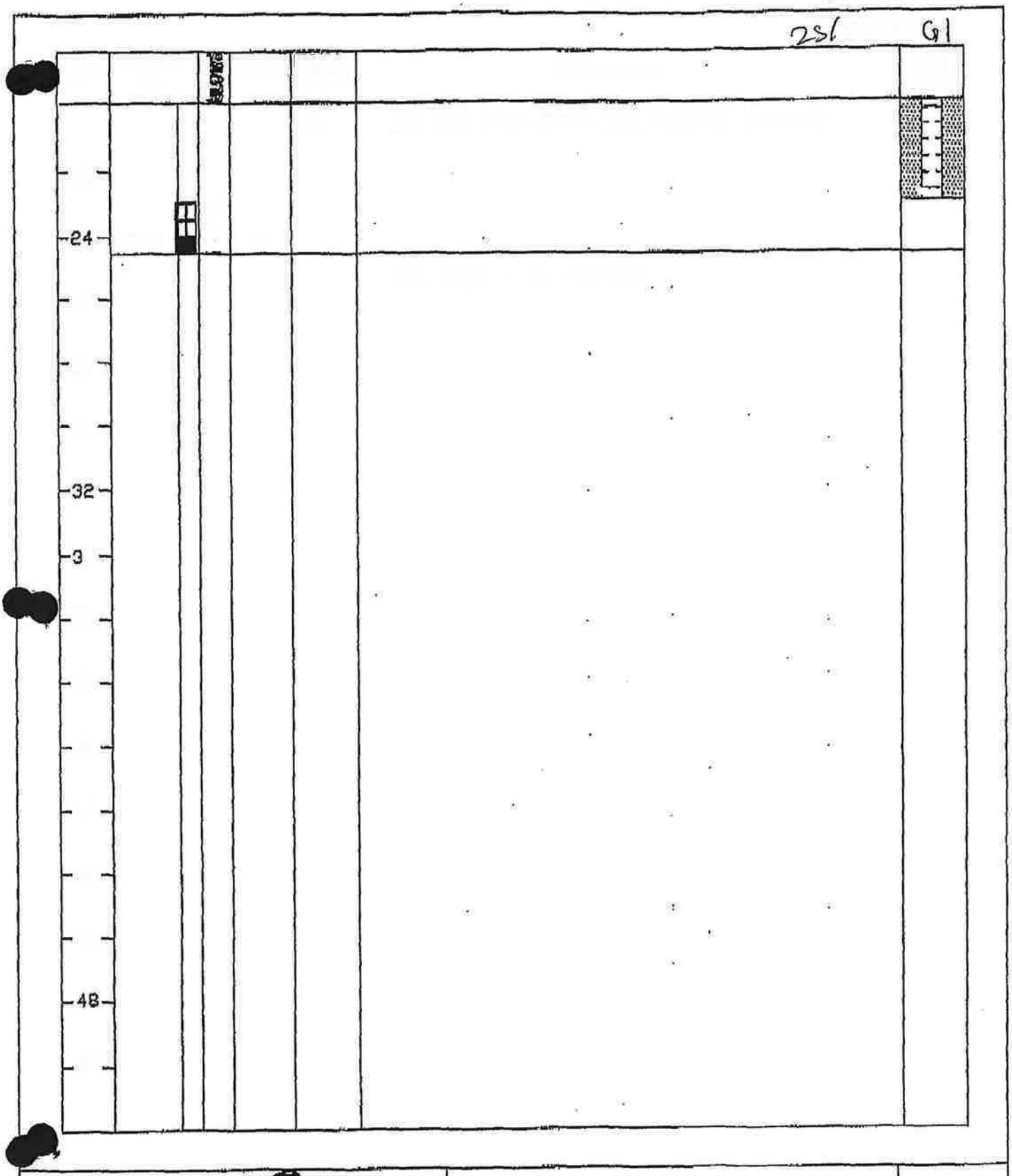
Arco Service
HEGENBERGER
Calif.

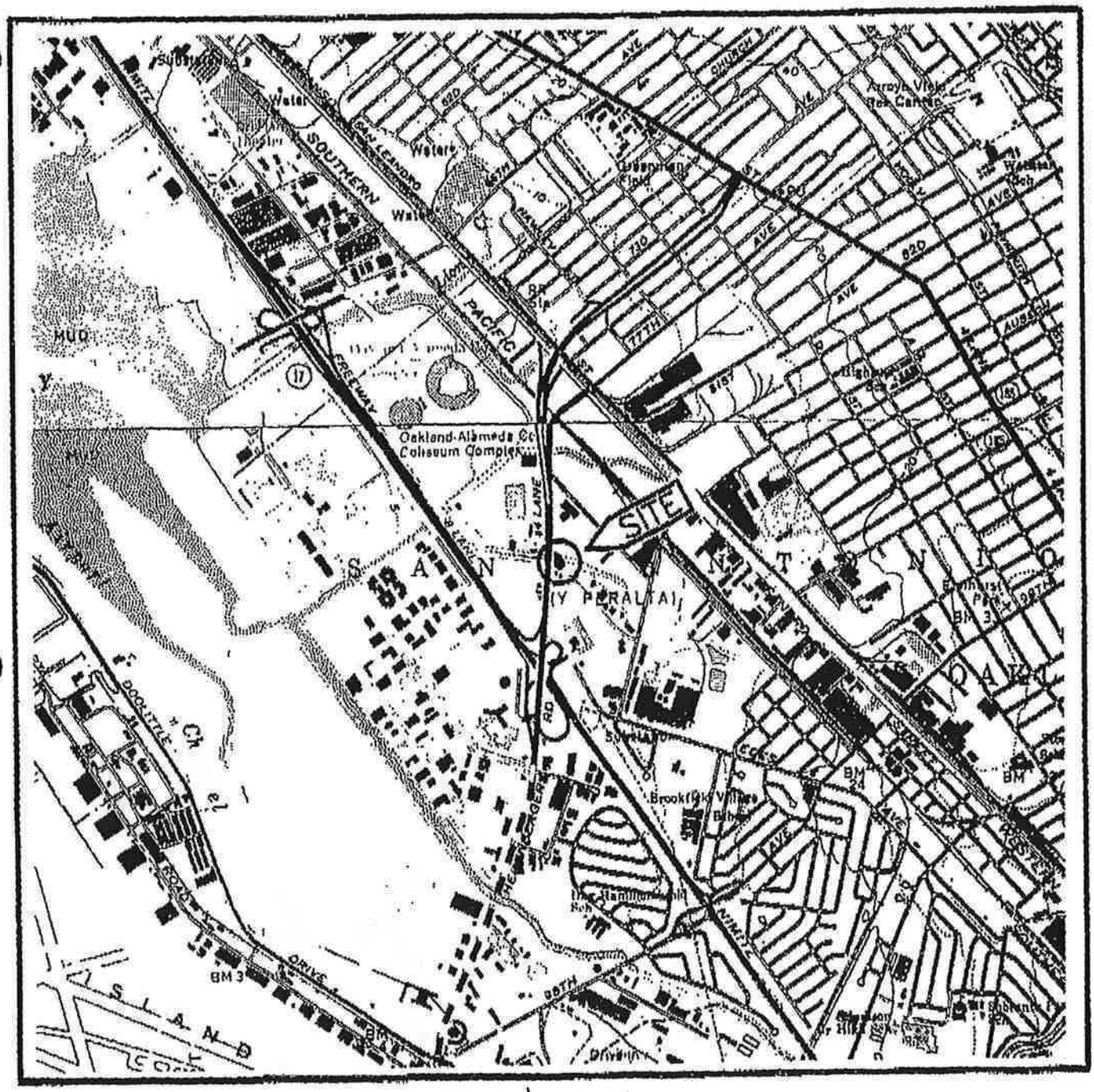
2S/3W 21G1

Total
Casing
diameter:
Drl
low-Stem



Appli d Ge Systems


251
G1
24
32
3
48
Applied GeoSyste



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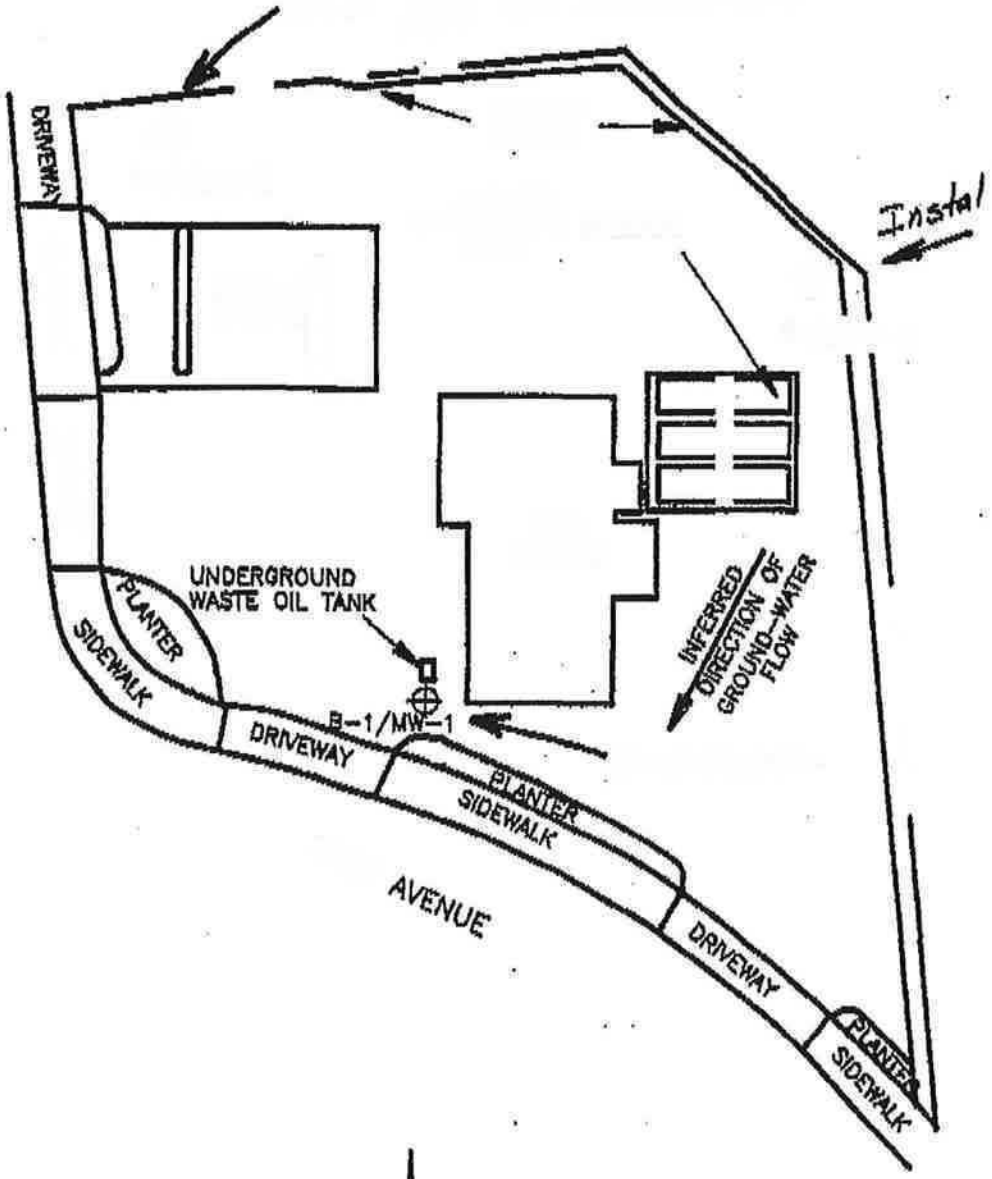
Applied GeoSystems



Applied GeoSystems

GENERALIZED SITE PLAN
Arco Service Station No. 4494
HEGENBERGER
California

Total

Casing

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6						
	S–					
	S-21					

Applied GeoSystems

APPENDIX B

ENVIRONMENTAL DATA RESOURCES OFFSITE RECEPTOR REPORT

Former Caltrans Hegenberger
555 Hegenberger Road
Oakland, CA 94621

Inquiry Number: 3215538.1s
November 29, 2011

EDR Offsite Receptor Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available records was conducted by Environmental Data Resources, Inc. (EDR). The EDR Offsite Receptor Report provides information which may be used to comply with the Clean Air Act Risk Management Program 112-R. *"The rule requires that you estimate in the RMP residential populations within the circle defined by the endpoint for your worst-case and alternative release scenarios (i.e., the center of the circle is the point of release and the radius is the distance to the endpoint). In addition, you must report in the RMP whether certain types of public receptors and environmental receptors are within the circles."*

The address of the subject property, for which the search was intended, is:

FORMER CALTRANS HEGENBERGER
555 HEGENBERGER ROAD
OAKLAND, CA 94621

Distance Searched: 1.000 miles from subject property

RECEPTOR SUMMARY
An X indicates the presence of the receptor within the search radius.

Residential Population
Estimated population within search radius: 10353 persons.

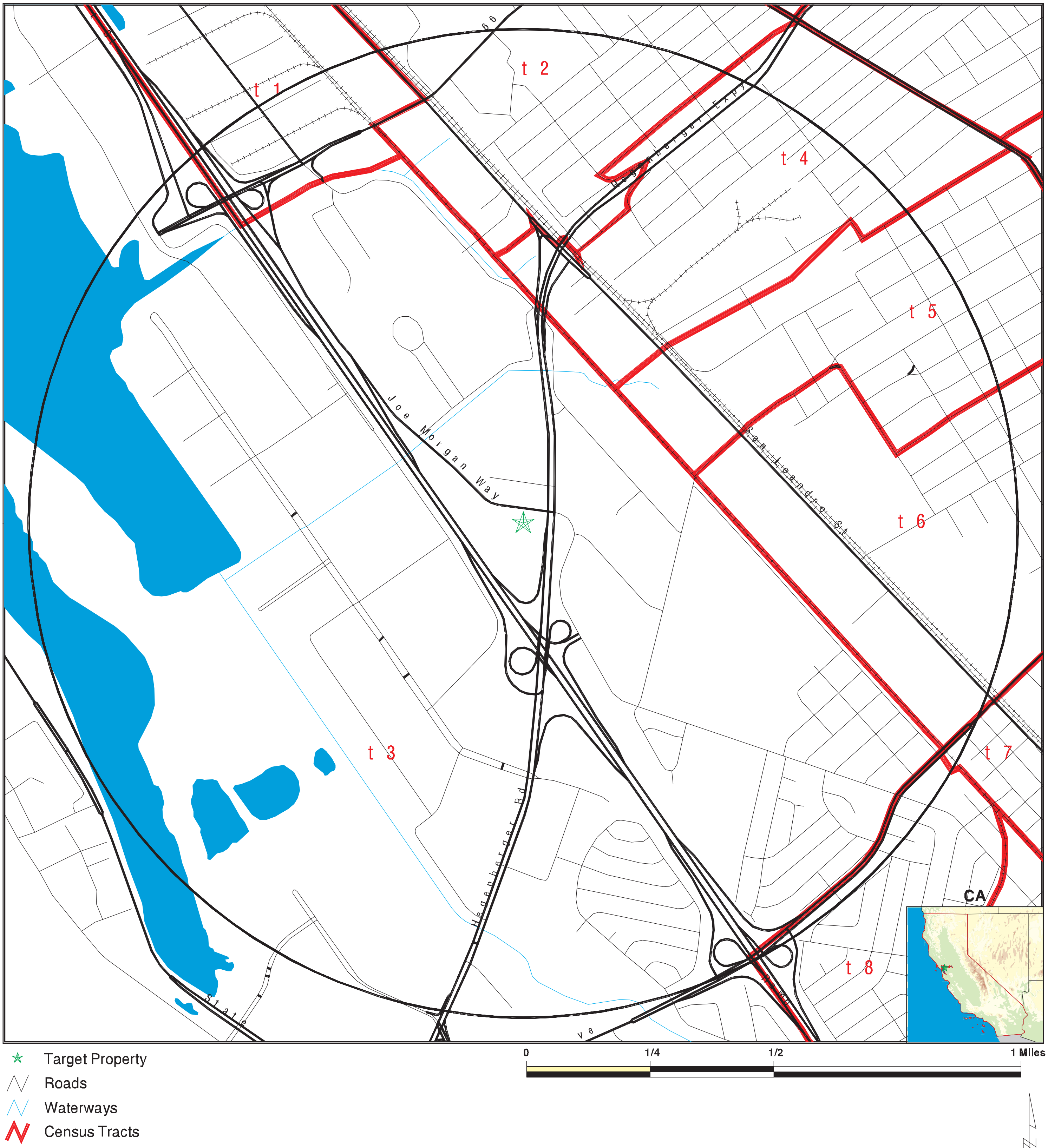
Other Public Receptors

Type	Within Search Radius	Sites Total
Day Care Centers:	X	16
Medical Centers:		
Nursing Homes:		
Schools:	X	5
Hospitals:	X	12
Colleges:	X	1
Arena:		
Prison:		

Environmental Receptors

Type	Within Search Radius	Sites Total
Federal Land:		

CENSUS MAP - 3215538.1s

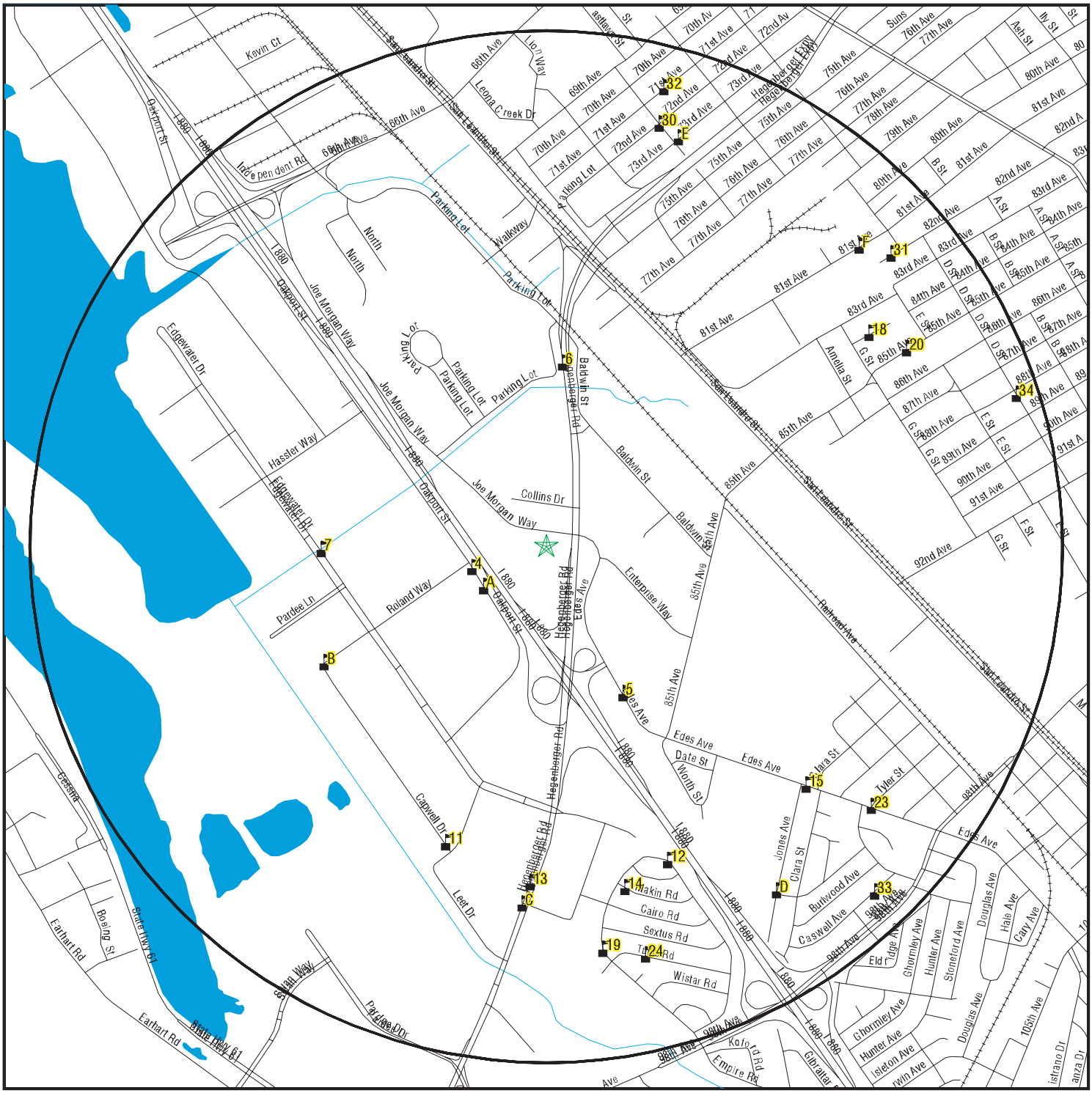


TARGET PROPERTY:	Former Caltrans Hegenberger	CUSTOMER:	Stantec
ADDRESS:	555 Hegenberger Road	CONTACT:	Alicia Falk
CITY/STATE/ZIP:	Oakland CA 94621	INQUIRY #:	3215538.1s
LAT/LONG:	37.7444 / 122.1971	DATE:	November 29, 2011 6:54 pm

CENSUS FINDINGS

Map ID	Tract Number	Total Population	Population in Radius	Total Area(sq.mi.)	Area in Radius(sq.mi.)
T1	4073.00	2516	202.4	1.00	0.08
T2	4088.00	5174	2236.2	0.46	0.20
T3	4090.00	3327	306.5	22.86	2.11
T4	4089.00	3339	2435.9	0.33	0.24
T5	4095.00	3555	2330.3	0.31	0.20
T6	4094.00	4455	2590.0	0.48	0.28
T7	4093.00	5492	29.3	0.41	0.00
T8	4091.00	2163	222.1	0.19	0.02

RECEPTOR MAP - 3215538.1s



TARGET PROPERTY:	Former Caltrans Hegenberger	CUSTOMER:	Stantec
ADDRESS:	555 Hegenberger Road	CONTACT:	Alicia Falk
CITY/STATE/ZIP:	Oakland CA 94621	INQUIRY #:	3215538.1s
LAT/LONG:	37.7444 / 122.1971	DATE:	November 29, 2011 6:54 pm

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site		EDR ID Database
A1			SRHO20070010897
WSW	Hospital type:	01	AHA Hospitals
1/8-1/4 mi	Num of times COO:	05	
764	Owner date:	Not Reported	
Higher	City:	OAKLAND	
	Has plan of corr:	1	
	Compliance status:	A	
	SSA county code:	000	
	Cross ref number:	051506	
	FMS survey date:	Not Reported	
	Current survey date:	19980422	
	Medicare/Medicaid:	1	
	Facility name:	PATHWAYS HOSPICE	
	Intermediary/Carrier:	00040	
	Medicaid number:	Not Reported	
	Partcipation date:	19790628	
	Prior COO date:	19990423	
	Prior carrier:	00041	
	Provider ID:	057227	
	Record Status:	A	
	Region code:	09	
	Is Partial Record:	Not Reported	
	state abbrev:	CA	
	ssa state:	05	
	state region cd:	BK	
	street address:	7901 OAKPORT STREET, SUITE 3500	
	Phone num:	5106324390	
	Termination reason:	01	
	Term Date:	19981231	
	Purpose of action:	2	
	Provider control:	03	
	Zip:	94621	
	Fips state:	06	
	Fips cnty:	001	
	SSA MSA:	418	
	SSA MSA size code:	B	
	Date accredited:	Not Reported	
	Accred expire date:	Not Reported	
	Accred Org:	0	
	Num beds:	0000	
	Num cert beds:	0000	
	Source:	US_HOSPITAL_POSOTHER	
	Edr id:	SRHO20070010897	

A2			SRHO20070133688
WSW	Hospital type:	01	AHA Hospitals
1/8-1/4 mi	Num of times COO:	00	
764	Owner date:	Not Reported	
Higher	City:	OAKLAND	
	Has plan of corr:	Not Reported	
	Compliance status:	Not Reported	
	SSA county code:	000	
	Cross ref number:	Not Reported	
	FMS survey date:	Not Reported	
	Current survey date:	Not Reported	

Medicare/Medicaid:	Not Reported
Facility name:	MIDPENINSULA HOSPICE
Intermediary/Carrier:	Not Reported
Medicaid number:	Not Reported
Partcipation date:	19950404
Prior COO date:	Not Reported
Prior carrier:	Not Reported
Provider ID:	05D0600670
Record Status:	A
Region code:	09
Is Partial Record:	Y
state abbrev:	CA
ssa state:	05
state region cd:	LAB
street address:	7901 OAKPORT STREET SUITE 3500
Phone num:	5106324390
Termination reason:	08
Term Date:	20000831
Purpose of action:	Not Reported
Provider control:	02
Zip:	94621
Fips state:	06
Fips cnty:	001
SSA MSA:	418
SSA MSA size code:	B
Date accredited:	Not Reported
Accred expire date:	Not Reported
Accred Org:	Not Reported
Num beds:	0000
Num cert beds:	0000
Source:	US_HOSPITAL_POSCLIA
Edr id:	SRHO20070133688

A3 SRHO20070009474
WSW AHA Hospitals
1/8-1/4 mi
764
Higher

Hospital type:	01
Num of times COO:	01
Owner date:	19990101
City:	OAKLAND
Has plan of corr:	1
Compliance status:	A
SSA county code:	060
Cross ref number:	057227
FMS survey date:	Not Reported
Current survey date:	19980422
Medicare/Medicaid:	1
Facility name:	PATHWAYS HOME HEALTH AND HOSPICE
Intermediary/Carrier:	00040
Medicaid number:	Not Reported
Partcipation date:	19840316
Prior COO date:	Not Reported
Prior carrier:	Not Reported
Provider ID:	051506
Record Status:	A
Region code:	09
Is Partial Record:	Not Reported

state abbrev:	CA
ssa state:	05
state region cd:	SJ
street address:	7901 OAKPORT STREET, SUITE 3500
Phone num:	5106324390
Termination reason:	00
Term Date:	Not Reported
Purpose of action:	2
Provider control:	03
Zip:	94621
Fips state:	06
Fips cnty:	013
SSA MSA:	418
SSA MSA size code:	B
Date accredited:	Not Reported
Accred expire date:	Not Reported
Accred Org:	0
Num beds:	0000
Num cert beds:	0000
Source:	US_HOSPITAL_POSOTHER
Edr id:	SRHO20070009474

4 SRHO20070147316
WSW AHA Hospitals
1/8-1/4 mi
792
Higher

Hospital type:	01
Num of times COO:	00
Owner date:	Not Reported
City:	OAKLAND
Has plan of corr:	Not Reported
Compliance status:	Not Reported
SSA county code:	000
Cross ref number:	Not Reported
FMS survey date:	Not Reported
Current survey date:	Not Reported
Medicare/Medicaid:	Not Reported
Facility name:	US HEALTHWORKS
Intermediary/Carrier:	Not Reported
Medicaid number:	Not Reported
Partcipation date:	19930526
Prior COO date:	Not Reported
Prior carrier:	Not Reported
Provider ID:	05D0870772
Record Status:	A
Region code:	09
Is Partial Record:	Y
state abbrev:	CA
ssa state:	05
state region cd:	M2
street address:	7817 OAKPORT STREET
Phone num:	5106380701
Termination reason:	00
Term Date:	20080831
Purpose of action:	Not Reported
Provider control:	04
Zip:	94621
Fips state:	06

Fips cnty:	001	
SSA MSA:	418	
SSA MSA size code:	B	
Date accredited:	Not Reported	
Accred expire date:	Not Reported	
Accred Org:	Not Reported	
Num beds:	0000	
Num cert beds:	0000	
Source:	US_HOSPITAL_POSCLIA	
Edr id:	SRHO20070147316	

5 SRHO20070134795
SSE AHA Hospitals
1/4-1/2 mi
1703
Higher

Hospital type:	01
Num of times COO:	00
Owner date:	Not Reported
City:	OAKLAND
Has plan of corr:	Not Reported
Compliance status:	Not Reported
SSA county code:	000
Cross ref number:	Not Reported
FMS survey date:	Not Reported
Current survey date:	Not Reported
Medicare/Medicaid:	Not Reported
Facility name:	NAVCARE 2
Intermediary/Carrier:	Not Reported
Medicaid number:	Not Reported
Partcipation date:	19930504
Prior COO date:	Not Reported
Prior carrier:	Not Reported
Provider ID:	05D0602903
Record Status:	A
Region code:	09
Is Partial Record:	Not Reported
state abbrev:	CA
ssa state:	05
state region cd:	LAB
street address:	8450 EDES AVENUE
Phone num:	5106325514
Termination reason:	01
Term Date:	19950930
Purpose of action:	Not Reported
Provider control:	04
Zip:	94621
Fips state:	06
Fips cnty:	001
SSA MSA:	418
SSA MSA size code:	B
Date accredited:	Not Reported
Accred expire date:	Not Reported
Accred Org:	Not Reported
Num beds:	0000
Num cert beds:	0000
Source:	US_HOSPITAL_POSCLIA
Edr id:	SRHO20070134795

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site		EDR ID Database
6			SRHO20070154407
North	Hospital type:	01	AHA Hospitals
1/4-1/2 mi	Num of times COO:	00	
1877	Owner date:	Not Reported	
Higher	City:	OAKLAND	
	Has plan of corr:	Not Reported	
	Compliance status:	Not Reported	
	SSA county code:	000	
	Cross ref number:	Not Reported	
	FMS survey date:	Not Reported	
	Current survey date:	Not Reported	
	Medicare/Medicaid:	Not Reported	
	Facility name:	OAKCARE MEDICAL GROUP, INC	
	Intermediary/Carrier:	Not Reported	
	Medicaid number:	Not Reported	
	Partcipation date:	19971229	
	Prior COO date:	Not Reported	
	Prior carrier:	Not Reported	
	Provider ID:	05D0937961	
	Record Status:	A	
	Region code:	09	
	Is Partial Record:	Y	
	state abbrev:	CA	
	ssa state:	05	
	state region cd:	LAB	
	street address:	675 HEGENBERGER ROAD SUITE 123	
	Phone num:	5106325514	
	Termination reason:	08	
	Term Date:	20031228	
	Purpose of action:	Not Reported	
	Provider control:	04	
	Zip:	94621	
	Fips state:	06	
	Fips cnty:	001	
	SSA MSA:	418	
	SSA MSA size code:	B	
	Date accredited:	Not Reported	
	Accred expire date:	Not Reported	
	Accred Org:	Not Reported	
	Num beds:	0000	
	Num cert beds:	0000	
	Source:	US_HOSPITAL_POSCLIA	
	Edr id:	SRHO20070154407	

7			SRHO20070149950
West	Hospital type:	01	AHA Hospitals
1/4-1/2 mi	Num of times COO:	00	
2301	Owner date:	Not Reported	
Higher	City:	OAKLAND	
	Has plan of corr:	Not Reported	
	Compliance status:	Not Reported	
	SSA county code:	000	
	Cross ref number:	Not Reported	
	FMS survey date:	Not Reported	
	Current survey date:	Not Reported	

Medicare/Medicaid:	Not Reported
Facility name:	HEALTH SERVICE SOLUTION
Intermediary/Carrier:	Not Reported
Medicaid number:	Not Reported
Partcipation date:	19951013
Prior COO date:	Not Reported
Prior carrier:	Not Reported
Provider ID:	05D0907414
Record Status:	A
Region code:	09
Is Partial Record:	Y
state abbrev:	CA
ssa state:	05
state region cd:	LAB
street address:	7700 EDGEWATER DRIVE SUITE 803
Phone num:	5106324872
Termination reason:	12
Term Date:	20010827
Purpose of action:	Not Reported
Provider control:	04
Zip:	94621
Fips state:	06
Fips cnty:	001
SSA MSA:	418
SSA MSA size code:	B
Date accredited:	Not Reported
Accred expire date:	Not Reported
Accred Org:	Not Reported
Num beds:	0000
Num cert beds:	0000
Source:	US_HOSPITAL_POSCLIA
Edr id:	SRHO20070149950

B8 SRHO20070147246
WSW AHA Hospitals
1/4-1/2 mi
2565
Higher

Hospital type:	01
Num of times COO:	00
Owner date:	Not Reported
City:	OAKLAND
Has plan of corr:	Not Reported
Compliance status:	Not Reported
SSA county code:	000
Cross ref number:	Not Reported
FMS survey date:	Not Reported
Current survey date:	Not Reported
Medicare/Medicaid:	Not Reported
Facility name:	NEIGHBORHOOD HOME HEALTH
Intermediary/Carrier:	Not Reported
Medicaid number:	Not Reported
Partcipation date:	19960610
Prior COO date:	Not Reported
Prior carrier:	Not Reported
Provider ID:	05D0915846
Record Status:	A
Region code:	09
Is Partial Record:	Y

state abbrev:	CA
ssa state:	05
state region cd:	LAB
street address:	400 ROLAND WAY
Phone num:	5106357797
Termination reason:	17
Term Date:	20000329
Purpose of action:	Not Reported
Provider control:	02
Zip:	94621
Fips state:	06
Fips cnty:	001
SSA MSA:	418
SSA MSA size code:	B
Date accredited:	Not Reported
Accred expire date:	Not Reported
Accred Org:	Not Reported
Num beds:	0000
Num cert beds:	0000
Source:	US_HOSPITAL_POSCLIA
Edr id:	SRHO20070147246

B9 SRHO20070108896
WSW AHA Hospitals
1/4-1/2 mi
2565
Higher

Hospital type:	01
Num of times COO:	00
Owner date:	Not Reported
City:	OAKLAND
Has plan of corr:	Not Reported
Compliance status:	A
SSA county code:	000
Cross ref number:	Not Reported
FMS survey date:	Not Reported
Current survey date:	19960619
Medicare/Medicaid:	1
Facility name:	NEIGHBORHOOD HOME HEALTH DIV OF ABHOW
Intermediary/Carrier:	00140
Medicaid number:	Not Reported
Partcipation date:	19960619
Prior COO date:	Not Reported
Prior carrier:	Not Reported
Provider ID:	557709
Record Status:	A
Region code:	09
Is Partial Record:	Not Reported
state abbrev:	CA
ssa state:	05
state region cd:	BK
street address:	400 ROLAND WAY
Phone num:	5106357797
Termination reason:	01
Term Date:	19990630
Purpose of action:	1
Provider control:	01
Zip:	94621
Fips state:	06

Fips cnty:	001	
SSA MSA:	418	
SSA MSA size code:	B	
Date accredited:	Not Reported	
Accred expire date:	Not Reported	
Accred Org:	0	
Num beds:	0000	
Num cert beds:	0000	
Source:	US_HOSPITAL_POSOTHER	
Edr id:	SRHO20070108896	

B10 SRHO20070147538
WSW AHA Hospitals
1/4-1/2 mi
2570
Higher

Hospital type:	01
Num of times COO:	00
Owner date:	Not Reported
City:	OAKLAND
Has plan of corr:	Not Reported
Compliance status:	Not Reported
SSA county code:	000
Cross ref number:	Not Reported
FMS survey date:	Not Reported
Current survey date:	Not Reported
Medicare/Medicaid:	Not Reported
Facility name:	ADVANTAGE OCCUPATIONAL MEDICINE CENTER
Intermediary/Carrier:	Not Reported
Medicaid number:	Not Reported
Partcipation date:	19970613
Prior COO date:	Not Reported
Prior carrier:	Not Reported
Provider ID:	05D0929441
Record Status:	A
Region code:	09
Is Partial Record:	Y
state abbrev:	CA
ssa state:	05
state region cd:	LAB
street address:	401 ROLAND WAY STE 130
Phone num:	5106359515
Termination reason:	08
Term Date:	20050612
Purpose of action:	Not Reported
Provider control:	04
Zip:	94621
Fips state:	06
Fips cnty:	001
SSA MSA:	418
SSA MSA size code:	B
Date accredited:	Not Reported
Accred expire date:	Not Reported
Accred Org:	Not Reported
Num beds:	0000
Num cert beds:	0000
Source:	US_HOSPITAL_POSCLIA
Edr id:	SRHO20070147538

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation	Site		EDR ID Database
11			SRCL20051004425
SSW	Unitid:	367608	Colleges
1/2-1 mi	Instnm:	CET-OAKLAND	
3207	Addr:	8390 CAPWELL DR	
Higher	City:	OAKLAND	
	Stabbr:	CA	
	Zip:	94621	
	Zip4:	Not Reported	
	Unk:	Not Reported	
	Fips:	094621	
	Oberge:	8	
	Chfnm:	Yolanda Ojeda	
	Chftitle:	Acting Director	
	Gentele:	4082877924	
	Fintele:	4082877924	
	Admtele:	4082877924	
	Ein:	941658311	
	Duns:	-1	
	Opeid:	2332820	
	Opeflag:	1	
	Webaddr:	-1	
	Sector:	8	
	Iclevel:	3	
	Control:	2	
	Hloffer:	2	
	Ugoffer:	1	
	Groffer:	2	
	Fpoffer:	2	
	Hdegoffer:	0	
	Deggrant:	2	
	Hbcu:	2	
	Hospital:	2	
	Medical:	2	
	Tribal:	2	
	Carnegie:	-3	
	Locale:	1	
	Openpubl:	1	
	Act:	A	
	Newid:	-2	
	Deathyr:	-2	
	Closedat:	-2	
	Cyactive:	1	
	Postsec:	1	
	Pseflag:	1	
	Pset4flg:	1	
	Rptmth:	2	
	Fte:	99	
	Enrtot:	99	
	Edr id:	SRCL20051004425	

12			SRDCCA200740806
SSE	EDR ID:	SRDCCA200740806	Daycare
1/2-1 mi	Facility number:	13419109	
3452	Facility name:	"WASHINGTON-BOLTON, ARNETTA "	
Higher	Facility eval. code:	0105	

Facility office number:	02
Facility county number:	01
Facility type code:	810
Facility status code:	03
Address:	9239 CORAL ROAD
City:	OAKLAND
State:	CA
Zip:	94603
Alt. address:	9239 CORAL ROAD
City:	OAKLAND
State:	CA
Zip:	94603
Facility investor:	"WASHINGTON-BOLTON, ARNETTA "
Licensee type:	A
License effective date:	61228
License expiration date:	Not Reported
License issue date:	061228
Program type:	"MAX. CAP: 6 - NO MORE THAN 3 INFANTS OR 4 INFANTS ONLY. CAP 8 - NO MORE THAN 2 INFANTS, 1 CHILD IN KINDERGARTEN OR ELEMENTARY SCHOOL AND 1 CHILD AT LEAST AGE 6. "
Original app. received date:	061117
Facility closed date:	Not Reported
Mailing address:	9239 CORAL ROAD
Mailing city:	OAKLAND
Mailing state:	CA
Mailing zip:	94603
Contact person:	"WASHINGTON-BOLTON, ARNETTA"
Facility capacity:	8
Type of clients served:	960
Facility phone:	5104308920

13
South
1/2-1 mi
3452
Higher

SRHO20070108623
AHA Hospitals

Hospital type:	01
Num of times COO:	00
Owner date:	Not Reported
City:	OAKLAND
Has plan of corr:	Not Reported
Compliance status:	A
SSA county code:	000
Cross ref number:	Not Reported
FMS survey date:	Not Reported
Current survey date:	19980225
Medicare/Medicaid:	1
Facility name:	HEALTH SERVICE SOLUTIONS
Intermediary/Carrier:	00040
Medicaid number:	Not Reported
Partcipation date:	19921006
Prior COO date:	Not Reported
Prior carrier:	Not Reported
Provider ID:	557234
Record Status:	A
Region code:	09
Is Partial Record:	Not Reported
state abbrev:	CA
ssa state:	05

state region cd:	BK
street address:	333 HEGENBERGER RD STE 401
Phone num:	5106324872
Termination reason:	01
Term Date:	20010731
Purpose of action:	2
Provider control:	03
Zip:	94621
Fips state:	06
Fips cnty:	001
SSA MSA:	418
SSA MSA size code:	B
Date accredited:	Not Reported
Accred expire date:	Not Reported
Accred Org:	0
Num beds:	0000
Num cert beds:	0000
Source:	US_HOSPITAL_POSOTHER
Edr id:	SRHO20070108623

14
SSE
1/2-1 mi
3588
Higher

SRDCCA200721358
Daycare

EDR ID:	SRDCCA200721358
Facility number:	13417031
Facility name:	"WILLIAMS, KIMBERLY "
Facility eval. code:	0105
Facility office number:	02
Facility county number:	01
Facility type code:	810
Facility status code:	03
Address:	208 MAKIN ROAD
City:	OAKLAND
State:	CA
Zip:	94603
Alt. address:	208 MAKIN ROAD
City:	OAKLAND
State:	CA
Zip:	94603
Facility investor:	"WILLIAMS, KIMBERLY "
Licensee type:	A
License effective date:	30612
License expiration date:	Not Reported
License issue date:	030612
Program type:	"MAXIMUM CAPACITY: 6 CHILDREN WITH NO MORE THAN 3 INFANTS, OR 4 INFANTSONLY, OR CAPACITY 8 CHILDREN WHEN 2 ARE AT LEAST 6 YEARS OF AGE WITH AMAXIMUM OF 2 INFANTS; PROPERTY OWNER/LANDLORD CONSENT IS REQUIRED "
Original app. received date:	030516
Facility closed date:	Not Reported
Mailing address:	208 MAKIN ROAD
Mailing city:	OAKLAND
Mailing state:	CA
Mailing zip:	94603
Contact person:	"WILLIAMS, KIMBERLY "
Facility capacity:	8
Type of clients served:	960

	Facility phone:	5106336323	

15 SRHO20070009875
SE AHA Hospitals
1/2-1 mi
3613
Higher

Hospital type:	01
Num of times COO:	00
Owner date:	Not Reported
City:	OAKLAND
Has plan of corr:	Not Reported
Compliance status:	Not Reported
SSA county code:	000
Cross ref number:	Not Reported
FMS survey date:	Not Reported
Current survey date:	Not Reported
Medicare/Medicaid:	Not Reported
Facility name:	OVER 60 HEALTH
Intermediary/Carrier:	00450
Medicaid number:	Not Reported
Partcipation date:	19950315
Prior COO date:	Not Reported
Prior carrier:	51051
Provider ID:	051981
Record Status:	A
Region code:	09
Is Partial Record:	Y
state abbrev:	CA
ssa state:	05
state region cd:	SF
street address:	9255 EDES AVENUE
Phone num:	5103822190
Termination reason:	00
Term Date:	Not Reported
Purpose of action:	1
Provider control:	02
Zip:	94603
Fips state:	06
Fips cnty:	001
SSA MSA:	418
SSA MSA size code:	B
Date accredited:	Not Reported
Accred expire date:	Not Reported
Accred Org:	Not Reported
Num beds:	0000
Num cert beds:	0000
Source:	US_HOSPITAL_POSOTHER
Edr id:	SRHO20070009875

C16 SRPU20071009675
South Public Schools
1/2-1 mi
3673
Higher

Ncessch:	062805011561
Schname05:	EDUCATION FOR CHANGE UPPER ELEMENTARY
Mstreet05:	303 HEGENBERGER RD., STE. 301
Mcity05:	OAKLAND
Mstate05:	CA
Mzip05:	94621
Mzip405:	Not Reported

Member05:	-2	
Phone05:	M	
Locale05:	1	
Type05:	1	
Level05:	4	
Gslo05:	N	
Gshi05:	N	
Edr id:	SRPU20071009675	

C17 SRPU20071009655
South Ncessch: 062805010728 Public Schools
1/2-1 mi Schname05: EDUCATION FOR CHANGE EAST OAKLAND COMMUNITY CHARTE
3673 Mstreet05: 303 HEGENBERGER RD., STE. 301
Higher Mcity05: OAKLAND
Mstate05: CA
Mzip05: 94621
Mzip405: Not Reported
Member05: 606
Phone05: (510) 879-1240
Locale05: 1
Type05: 1
Level05: 4
Gslo05: KG
Gshi05: 04
Edr id: SRPU20071009655

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18 SRDCCA200731488
ENE EDR ID: SRDCCA200731488 Daycare
1/2-1 mi Facility number: 13418436
3950 Facility name: "BRAXTON, VICKI A "
Higher Facility eval. code: 0203
Facility office number: 02
Facility county number: 01
Facility type code: 810
Facility status code: 03
Address: 945 84TH AVE #B
City: OAKLAND
State: CA
Zip: 94621
Alt. address: 945 84TH AVE #B
City: OAKLAND
State: CA
Zip: 94621
Facility investor: "BRAXTON, VICKI A "
Licensee type: A
License effective date: 50824
License expiration date: Not Reported
License issue date: 050824
Program type: "MAX. CAP: 6 - NO MORE THAN 3 INFANTS OR 4 INFANTS ONLY.
CAP 8 - NO MORE THAN 2 INFANTS, 1 CHILD IN KINDERGARTEN OR ELEMENTARY SCHOOL AND 1 CHILD AT LEAST AGE 6. "
Original app. received date: 050810
Facility closed date: Not Reported
Mailing address: 945 84TH AVE #B

Mailing city:	OAKLAND	
Mailing state:	CA	
Mailing zip:	94621	
Contact person:	"BRAXTON, VICKI A "	
Facility capacity:	8	
Type of clients served:	960	
Facility phone:	5106399082	

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19 SRDCCA200729713
South EDR ID: SRDCCA200729713 Daycare
1/2-1 mi Facility number: 13418339
4168 Facility name: "MIJANGO, VILMA "
Higher Facility eval. code: 0105
Facility office number: 02
Facility county number: 01
Facility type code: 810
Facility status code: 03
Address: 9561 EMPIRE ROAD
City: OAKLAND
State: CA
Zip: 94603
Alt. address: 9561 EMPIRE ROAD
City: OAKLAND
State: CA
Zip: 94603
Facility investor: "MIJANGO, VILMA "
Licensee type: A
License effective date: 50726
License expiration date: Not Reported
License issue date: 050726
Program type: "MAX. CAP: 6 - NO MORE THAN 3 INFANTS OR 4 INFANTS ONLY.
CAP 8 - NO MORE THAN 2 INFANTS, 1 CHILD IN KINDERGARTEN OR ELEMENTARY SCHOOL AND 1 CHILD AT LEAST AGE 6. "
Original app. received date: 050603
Facility closed date: Not Reported
Mailing address: 9561 EMPIRE ROAD
Mailing city: OAKLAND
Mailing state: CA
Mailing zip: 94603
Contact person: "MIJANGO, VILMA "
Facility capacity: 8
Type of clients served: 960
Facility phone: 5106326478

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20 SRDCCA200752429
ENE EDR ID: SRDCCA200752429 Daycare
1/2-1 mi Facility number: 10216108
4202 Facility name: OAKLAND HEAD START - TASSAFARONGA
Higher Facility eval. code: 0207
Facility office number: 02
Facility county number: 01
Facility type code: 850
Facility status code: 03
Address: 975- 85TH AVENUE

City:	OAKLAND
State:	CA
Zip:	94621
Alt. address:	150 FRANK H. OGAWA PLAZA #5352
City:	OAKLAND
State:	CA
Zip:	94612
Facility investor:	CITY OF OAKLAND
Licensee type:	F
License effective date:	951018
License expiration date:	Not Reported
License issue date:	951018
Program type:	AGES: 2 YEARS TO FIRST GRADE ENTRY. HOURS OF OPERATION: MONDAY THROUGH FRIDAY 8:15 A.M. TO 4:45 P.M. IN ONE CLASSROOM.
Original app. received date:	940527
Facility closed date:	Not Reported
Mailing address:	505 - 14TH STREET SUITE #300
Mailing city:	OAKLAND
Mailing state:	CA
Mailing zip:	94612
Contact person:	"COOPER, ARNETTA "
Facility capacity:	25
Type of clients served:	950
Facility phone:	5106390580

D21
SSE
1/2-1 mi
4244
Higher

SRDCCA200749311
Daycare

EDR ID:	SRDCCA200749311
Facility number:	10215401
Facility name:	O.U.S.D. - BROOKFIELD CDC
Facility eval. code:	0203
Facility office number:	02
Facility county number:	01
Facility type code:	850
Facility status code:	03
Address:	401 JONES AVENUE
City:	OAKLAND
State:	CA
Zip:	94603
Alt. address:	495 JONES AVE
City:	OAKLAND
State:	CA
Zip:	94603
Facility investor:	OAKLAND UNIFIED SCHOOL DISTRICT
Licensee type:	F
License effective date:	940222
License expiration date:	Not Reported
License issue date:	940222
Program type:	AGES 2-1ST GR ENTRY. HRS:MON-FRI (1)IN PORTABLE RM 1-7AM TO 5:3PM (2) IN PORT RM 3 & SCHOOL RM 9-8:30AM TO 2:30PM (3)IN PORT RM 2-8:30AM TO 12:30PM. MAX.# OF CHILDREN:(1)7AM-8:30AM-20 (2)8:30AM TO 12:30PM-82(3)12:30 PM TO 2:30PM-61 (4)2:30PM TO 5:30PM-20. SUBJECT TO 2 WAIVERS.
Original app. received date:	930512
Facility closed date:	Not Reported

Mailing address:	1025 - 2ND AVENUE	
Mailing city:	OAKLAND	
Mailing state:	CA	
Mailing zip:	94606	
Contact person:	JOSEPHINE ROLAND	
Facility capacity:	59	
Type of clients served:	950	
Facility phone:	5106330462	

D22 SRPU20071012618
SSE Ncessch: 062805004243 Public Schools
1/2-1 mi Schname05: BROOKFIELD ELEMENTARY
4244 Mstreet05: 401 JONES AVE.
Higher Mcity05: OAKLAND
Mstate05: CA
Mzip05: 94603
Mzip405: 1123
Member05: 487
Phone05: (510) 879-1030
Locale05: 1
Type05: 1
Level05: 1
Gslo05: KG
Gshi05: 05
Edr id: SRPU20071012618

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23 SRDCCA200752430
SE EDR ID: SRDCCA200752430 Daycare
1/2-1 mi Facility number: 10216109
4263 Facility name: OAKLAND HEAD START - BROOKFIELD
Higher Facility eval. code: 0203
Facility office number: 02
Facility county number: 01
Facility type code: 850
Facility status code: 03
Address: 9600 EDES AVENUE
City: OAKLAND
State: CA
Zip: 94603
Alt. address: "505 - 14TH STREET, SUITE #300 "
City: OAKLAND
State: CA
Zip: 94612
Facility investor: CITY OF OAKLAND
Licensee type: F
License effective date: 940921
License expiration date: Not Reported
License issue date: 940921
Program type: AGES 2YRS. TO FIRST GRADE ENTRY.
HOURS OF OPERATION: MON. - FRI. 8:15AM - 4:45PM IN 3 CLASSROOM AREAS.
Original app. received date: 940527
Facility closed date: Not Reported
Mailing address: "505 - 14TH STREET, SUITE #300 "

Mailing city:	OAKLAND	
Mailing state:	CA	
Mailing zip:	94612	
Contact person:	ANDREA BURNETT	
Facility capacity:	48	
Type of clients served:	950	
Facility phone:	5106155737	

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24 SRDCCA200718576
SSE EDR ID: SRDCCA200718576 Daycare
1/2-1 mi Facility number: 13416366
4308 Facility name: "HARRISON, SOPHIA "
Higher Facility eval. code: 0105
Facility office number: 02
Facility county number: 01
Facility type code: 810
Facility status code: 03
Address: 229 TUNIS ROAD
City: OAKLAND
State: CA
Zip: 94603
Alt. address: 229 TUNIS ROAD
City: OAKLAND
State: CA
Zip: 94603
Facility investor: "HARRISON, SOPHIA "
Licensee type: A
License effective date: 20620
License expiration date: Not Reported
License issue date: 020620
Program type: "MAXIMUM CAPACITY: 6 CHILDREN WITH NO MORE THAN 3 INFANTS, OR 4 INFANTSONLY, OR CAPACITY 8 CHILDREN WHEN 2 ARE AT LEAST 6 YEARS OF AGE WITH AMAXIMUM OF 2 INFANTS; PROPERTY OWNER/LANDLORD CONSENT IS REQUIRED "
Original app. received date: 020430
Facility closed date: Not Reported
Mailing address: 229 TUNIS ROAD
Mailing city: OAKLAND
Mailing state: CA
Mailing zip: 94603
Contact person: "HARRISON, SOPHIA "
Facility capacity: 8
Type of clients served: 960
Facility phone: 5106353188

E25 SRDCCA200726266
NNE EDR ID: SRDCCA200726266 Daycare
1/2-1 mi Facility number: 13417859
4360 Facility name: "RODRIGUEZ, ALICIA "
Higher Facility eval. code: 0301
Facility office number: 02
Facility county number: 01
Facility type code: 810
Facility status code: 03

Address:	1001 73RD AVENUE
City:	OAKLAND
State:	CA
Zip:	94621
Alt. address:	1001 73RD AVENUE
City:	OAKLAND
State:	CA
Zip:	94621
Facility investor:	"RODRIGUEZ, ALICIA "
Licensee type:	A
License effective date:	40917
License expiration date:	Not Reported
License issue date:	040917
Program type:	"MAXIMUM CAPACITY: 6 CHILDREN WITH NO MORE THAN 3 INFANTS, OR 4 INFANTSONLY, OR CAPACITY 8 CHILDREN WHEN 2 ARE AT LEAST 6 YEARS OF AGE WITH AMAXIMUM OF 2 INFANTS; PROPERTY OWNER/LANDLORD CONSENT IS REQUIRED "
Original app. received date:	040826
Facility closed date:	Not Reported
Mailing address:	1001 73RD AVENUE
Mailing city:	OAKLAND
Mailing state:	CA
Mailing zip:	94621
Contact person:	"RODRIGUEZ, ALICIA "
Facility capacity:	8
Type of clients served:	960
Facility phone:	5106336314

E26
NNE
1/2-1 mi
4414
Higher

SRDCCA200730746
Daycare

EDR ID:	SRDCCA200730746
Facility number:	13418137
Facility name:	"JELKS,BARBARA "
Facility eval. code:	0301
Facility office number:	02
Facility county number:	01
Facility type code:	810
Facility status code:	03
Address:	1011 -73RD AVE
City:	OAKLAND
State:	CA
Zip:	94621
Alt. address:	1011 -73RD AVE
City:	OAKLAND
State:	CA
Zip:	94621
Facility investor:	"JELKS, BARBARA "
Licensee type:	A
License effective date:	50411
License expiration date:	Not Reported
License issue date:	050411
Program type:	MAX. CAP (WHEN THERE IS AN ASSISTANT PRESENT): 12 - NO MORE THAN 4 INFANTS. CAP 14 - NO MORE THAN 3 INFANTS. 1 CHILD IN KINDERGARTEN OR ELEMENTARY SCHOOL AND 1 CHILD AT LEAST AGE 6.
Original app. received date:	050209
Facility closed date:	Not Reported

Mailing address:	1011 -73RD AVE	
Mailing city:	OAKLAND	
Mailing state:	CA	
Mailing zip:	94621	
Contact person:	A	
Facility capacity:	14	
Type of clients served:	960	
Facility phone:	5106394429	

F27 SRDCCA200755767
NE
1/2-1 mi
4431
Higher

Daycare

EDR ID:	SRDCCA200755767
Facility number:	13418180
Facility name:	OUSD - ACORN/WOODLAND
Facility eval. code:	0207
Facility office number:	02
Facility county number:	01
Facility type code:	850
Facility status code:	03
Address:	1025 EIGHTY FIRST AVENUE
City:	OAKLAND
State:	CA
Zip:	94621
Alt. address:	495 JONES AVENUE
City:	OAKLAND
State:	CA
Zip:	94603
Facility investor:	OAKLAND UNIFIED SCHOOL DISTRICT
Licensee type:	F
License effective date:	60206
License expiration date:	Not Reported
License issue date:	060206
Program type:	"AGES 2 TO FIRST GRADE ENTRY. OPERATING MON - FRI, 8:15AM - 3:15PM IN 2 CLASSROOMS AND THE CAFETERIA. "
Original app. received date:	051220
Facility closed date:	Not Reported
Mailing address:	495 JONES AVENUE
Mailing city:	OAKLAND
Mailing state:	CA
Mailing zip:	94603
Contact person:	"VASQUEZ, LINDA "
Facility capacity:	48
Type of clients served:	950
Facility phone:	5108790197

F28 SRPU20071009643
NE
1/2-1 mi
4431
Higher

Public Schools

Ncessch:	062805010686
Schname05:	ENCOMPASS ACADEMY ELEMENTARY
Mstreet05:	1025 81ST AVE.
Mcity05:	OAKLAND
Mstate05:	CA
Mzip05:	94621
Mzip405:	Not Reported
Member05:	152

Phone05:	(510) 879-0207	
Locale05:	1	
Type05:	1	
Level05:	1	
Gslo05:	KG	
Gshi05:	03	
Edr id:	SRPU20071009643	

F29 SRPU20071009657
NE Public Schools
1/2-1 mi
4431
Higher

Ncessch:	062805010730
Schname05:	ACORN WOODLAND ELEMENTARY
Mstreet05:	1025 81ST AVE.
Mcity05:	OAKLAND
Mstate05:	CA
Mzip05:	94621
Mzip405:	Not Reported
Member05:	258
Phone05:	(510) 879-0190
Locale05:	1
Type05:	1
Level05:	1
Gslo05:	KG
Gshi05:	05
Edr id:	SRPU20071009657

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30 SRDCCA200701674
NNE Daycare
1/2-1 mi
4466
Higher

EDR ID:	SRDCCA200701674
Facility number:	10210911
Facility name:	"JOHNSON, PEGGY "
Facility eval. code:	0301
Facility office number:	02
Facility county number:	01
Facility type code:	810
Facility status code:	03
Address:	7203 SPENCER STREET
City:	OAKLAND
State:	CA
Zip:	94621
Alt. address:	7203 SPENCER STREET
City:	OAKLAND
State:	CA
Zip:	94621
Facility investor:	"JOHNSON, PEGGY "
Licensee type:	A
License effective date:	930731
License expiration date:	Not Reported
License issue date:	Not Reported
Program type:	"MAXIMUM CAPACITY: 12 CHILDREN, INCLUDING LICENSEE'S CHILDREN UNDER 10 YEARS OLD WHEN IN THE HOME, WITH NO MORE THAN 4 INFANTS. (INFANT MEANS A CHILD UNDER 2 YEARS OLD. "
Original app. received date:	870826
Facility closed date:	Not Reported
Mailing address:	7203 SPENCER STREET

Mailing city:	OAKLAND	
Mailing state:	CA	
Mailing zip:	94621	
Contact person:	"JOHNSON, PEGGY "	
Facility capacity:	12	
Type of clients served:	960	
Facility phone:	5105623060	

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31 SRDCCA200724957
NE EDR ID: SRDCCA200724957 Daycare
1/2-1 mi Facility number: 13417498
4619 Facility name: "DAVIS, D'YENDIS "
Higher Facility eval. code: 0301

Facility office number:	02
Facility county number:	01
Facility type code:	810
Facility status code:	03
Address:	1023 82ND AVENUE
City:	OAKLAND
State:	CA
Zip:	94621
Alt. address:	1023 82ND AVENUE
City:	OAKLAND
State:	CA
Zip:	94621
Facility investor:	"DAVIS, D'YENDIS "
Licensee type:	A
License effective date:	50727
License expiration date:	Not Reported
License issue date:	050727
Program type:	"MAXIMUM CAPACITY: 6 CHILDREN WITH NO MORE THAN 3 INFANTS, OR 4 INFANTSONLY, OR CAPACITY 8 CHILDREN WHEN 2 ARE AT LEAST 6 YEARS OF AGE WITH AMAXIMUM OF 2 INFANTS; PROPERTY OWNER/LANDLORD CONSENT IS REQUIRED "
Original app. received date:	040220
Facility closed date:	Not Reported
Mailing address:	1023 82ND AVENUE
Mailing city:	OAKLAND
Mailing state:	CA
Mailing zip:	94621
Contact person:	"DAVIS, D'YENDIS "
Facility capacity:	8
Type of clients served:	960
Facility phone:	5104308355

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32 SRDCCA200714453
NNE EDR ID: SRDCCA200714453 Daycare
1/2-1 mi Facility number: 13415788
4839 Facility name: ROZELIA DOWNS
Higher Facility eval. code: 0301

Facility office number:	02
Facility county number:	01
Facility type code:	810
Facility status code:	03

Address:	1039 71ST AVENUE
City:	OAKLAND
State:	CA
Zip:	94621
Alt. address:	P.O.BOX 1002
City:	OAKLAND
State:	CA
Zip:	94604
Facility investor:	ROZELIA DOWNS
Licensee type:	A
License effective date:	10626
License expiration date:	Not Reported
License issue date:	010626
Program type:	"MAXIMUM CAPACITY: 6 CHILDREN WITH NO MORE THAN 3 INFANTS, OR 4 INFANTSONLY, OR CAPACITY 8 CHILDREN WHEN 2 ARE AT LEAST 6 YEARS OF AGE WITH AMAXIMUM OF 2 INFANTS; PROPERTY OWNER/LANDLORD CONSENT IS REQUIRED "
Original app. received date:	010611
Facility closed date:	Not Reported
Mailing address:	P.O.BOX 1002
Mailing city:	OAKLAND
Mailing state:	CA
Mailing zip:	94604
Contact person:	BROWN & DOWNS
Facility capacity:	8
Type of clients served:	960
Facility phone:	5105699249

33
SE
1/2-1 mi
4880
Higher

SRDCCA200740092
Daycare

EDR ID:	SRDCCA200740092
Facility number:	13419116
Facility name:	"BRADDY, THIMIKIA "
Facility eval. code:	0105
Facility office number:	02
Facility county number:	01
Facility type code:	810
Facility status code:	03
Address:	448 CASWELL STREET
City:	OAKLAND
State:	CA
Zip:	94603
Alt. address:	PO BOX 144
City:	SAN LORENZO
State:	CA
Zip:	94580
Facility investor:	"BRADDY, THIMIKIA "
Licensee type:	A
License effective date:	61219
License expiration date:	Not Reported
License issue date:	061219
Program type:	"MAX. CAP: 6 - NO MORE THAN 3 INFANTS OR 4 INFANTS ONLY. CAP 8 - NO MORE THAN 2 INFANTS, 1 CHILD IN KINDERGARTEN OR ELEMENTARY SCHOOL AND 1 CHILD AT LEAST AGE 6. "
Original app. received date:	061120
Facility closed date:	Not Reported

Mailing address:	PO BOX 144
Mailing city:	SAN LORENZO
Mailing state:	CA
Mailing zip:	94580
Contact person:	"BRADDY, THIMIKIA "
Facility capacity:	8
Type of clients served:	960
Facility phone:	5108782186

34 SRDCCA200727907
ENE
1/2-1 mi
5050
Higher

EDR ID:	SRDCCA200727907
Facility number:	13418106
Facility name:	"STANLEY, YOLANDA "
Facility eval. code:	0301
Facility office number:	02
Facility county number:	01
Facility type code:	810
Facility status code:	03
Address:	8819 D STREET
City:	OAKLAND
State:	CA
Zip:	94621
Alt. address:	8819 D STREET
City:	OAKLAND
State:	CA
Zip:	94621
Facility investor:	"STANLEY, YOLANDA "
Licensee type:	A
License effective date:	50228
License expiration date:	Not Reported
License issue date:	050228
Program type:	"MAX. CAP: 6 - NO MORE THAN 3 INFANTS OR 4 INFANTS ONLY. CAP 8 - NO MORE THAN 2 INFANTS, 1 CHILD IN KINDERGARTEN OR ELEMENTARY SCHOOL AND 1 CHILD AT LEAST AGE 6. "
Original app. received date:	050124
Facility closed date:	Not Reported
Mailing address:	8819 D STREET
Mailing city:	OAKLAND
Mailing state:	CA
Mailing zip:	94621
Contact person:	"STANLEY, YOLANDA "
Facility capacity:	8
Type of clients served:	960
Facility phone:	5106339713

Daycare

RECORDS SEARCHED/DATA CURRENCY TRACKING

Census

Source: U.S. Census Bureau
Telephone: 301-457-4100
2000 U.S. Census data was used to estimate residential population following these EPA guidelines:
"Census data are presented by Census tract. If your circle covers only a portion of the tract, you should develop an estimate for that portion...Determine the population density per square mile (total population of the Census tract divided by the number of square miles in the tract) and apply that density figure to the number of square miles within your circle."

FED_LAND: Federal Lands

Source: USGS
Telephone: 888-275-8747
Federal lands data. Includes data from several Federal land management agencies, including Fish and Wildlife Service, Bureau of Land Management, National Park Service, and Forest Service. Includes National Parks, Forests, Monuments; . Wildlife Sanctuaries, Preserves, Refuges; Federal Wilderness Areas.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Colleges - Integrated Postsecondary Education Data

Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on integrated postsecondary education in the United States.

Arenas

Source: Dunhill International
EDR indicates the location of buildings and facilities - arenas - where individuals who are public receptors are likely to be located.

Prisons: Bureau of Prisons Facilities

Source: Federal Bureau of Prisons
Telephone: 202-307-3198
List of facilities operated by the Federal Bureau of Prisons.

Daycare Centers: Licensed Facilities

Source: Department of Social Services
Telephone: 916-657-4041

STREET AND ADDRESS INFORMATION