

# PEER

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*Pollution, Environment, Energy and Resources*

JAN 17 1996

DCN: Willow Grove 2 23909

Title: Meeting Minutes for 12  
December 1995

ARF

12 Dec 1995

Mr. Winston Crow  
Air National Guard Readiness Center/CEVR  
3500 Fetchet Avenue  
Andrews Air Force Base, Maryland 20762-5157

**REFERENCE: PEER TASK NO. 1566-017; NGB CONTRACT NO. DAHA-90-94-D-0011; DELIVERY ORDER NO. 0017; PRESUMPTIVE REMEDY ENGINEERING EVALUATION/COST ANALYSIS AND REMEDIAL DESIGN AT WILLOW GROVE AIR RESERVE STATION, WILLOW GROVE, PENNSYLVANIA**

**SUBJECT: FINAL KICKOFF/SCOPING MEETING MINUTES**

Dear Mr. Crow:

Enclosed please find two (2) copies of the Final Meeting Minutes.

If you have any questions or comments, please call Lori Melroy or me at (423) 483-3191.

Sincerely,



For C.W. Stanley, P.G.  
Oak Ridge Office Manager

LAM:dfc

cc: Harry Shank (NGB-AQC-E)  
Attendees

**PRESUMPTIVE ENGINEERING EVALUATION & COST ASSESSMENT  
111th FIGHTER WING  
PENNSYLVANIA AIR NATIONAL GUARD  
WILLOW GROVE, PENNSYLVANIA**

**FINAL  
KICKOFF/SCOPING MEETING MINUTES  
DECEMBER 11-12, 1995**

The Air National Guard held a kickoff/scoping meeting at the 111th Fighter Wing (FW) at the Pennsylvania Air National Guard (Base) in Willow Grove, Pennsylvania on December 11-12, 1995. The purpose of the meeting was to discuss the Presumptive Remedy Engineering Evaluation/Cost Analysis (PREE/CA) for the Motor Pool Area (MPA) targeted for clean up under the Installation Restoration Program (IRP).

The kickoff/scoping meeting consisted of a site walkover, an initial briefing, and a regulatory meeting. Representatives from the Air National Guard (ANG/CEVR), Base personnel, and PEER Consultants (PEER) attended each of the activities.

Site Walkover

Winston Crow (ANG/CEVR), Alan Klavans (ANG/CEVR), Lt. Col Alexander Luyando (111 FW), TSgt Derrick Hyatt (111 FW), and Terence Ashworth (PEER) toured the MPA of the Base on December 11, 1995. The locations of existing monitoring wells and soil boring locations were discussed. The possibility of installing additional soil borings and monitoring wells was also discussed. No locations were finalized. Hal Dusen from the 913th Air Force Reserve (AFRES) joined the group and led a tour of the POL Area that is undergoing remediation by soil vapor extraction (SVE).

Initial Briefing

An initial briefing took place between the Base, the ANG/CEVR and PEER on December 11, 1995. Attachment A presents a list of the attendees. The primary purpose of the meeting was to define the strategy for the upcoming Regulatory Agency Meeting. Winston Crow (ANG/CEVR) presented an overview of the IRP program and the status of the MPA. The overall approach preferred by the ANG is to remediate the MPA in conjunction with the POL Area. The POL Area belongs to the 913th AFRES and is currently being remediated.

Mr. Charanjit Gill (AFRES) presented an overview of the SVE system. The current pilot system consists of eight SVE extraction wells. The vacuum blower and air treatment system was sized to accommodate 35 wells in total. The pilot system has been in

operation for approximately nine months and is currently turned off as part of the pilot testing process. Early results indicate some success and recent sampling conducted in September 1995 has shown a reduction (approximately 60 percent) in the dissolved contamination plume size. Additional data indicate a concurrent reduction in the areal extent of free product. The consultant (Geraghty and Miller) hired by AFRES is currently preparing a report that discusses these recent sample data.

### Regulatory Agency Meeting

This meeting was held on December 12, 1995. A list of attendees is presented in Attachment B. Winston Crow (ANG/CEVR) introduced the meeting attendees and gave the introduction, described the MPA status, and discussed the MPA and the adjacent Base areas requiring remediation. Copies of the overhead transparencies discussed at the meeting are provided in Attachment C.

The site discussions began with a brief description of the site and the regional context, then described the MPA in more detail. Overhead slides were presented to show the existing soil boring locations and site specific groundwater flow direction. The discussion of the groundwater flow direction was fairly detailed because of the many separate investigations of base areas that indicate different groundwater flow directions. The groundwater flow direction in the MPA is north or northwesterly based on the latest available data (November 1994).

The concentrations of total petroleum hydrocarbon (TPH) in soil within the MPA are generally below 50 ppm. Only eight samples exceeded 50 ppm. The Pennsylvania Department of Environmental Regulation (PADER) soil cleanup criterion for TPH is 10 ppm. However, the background concentration of TPH in soil established during the Remedial Investigation (RI) for the POL Area, Open Drum Storage Area, and the Ponding Basin was 50 ppm. The RI was conducted by Dames and Moore for AFRES in 1988. An overhead was presented to show the soil boring locations and the limits of soil impacts exceeding 10 ppm within the MPA.

Following the presentation on MPA site conditions, the discussion moved to the POL Area. Mr. Charanjit Gill (AFRES) presented an overview of the POL site and remediation progress. The original release was approximately 30,000 gallons. The pilot SVE system has reduced the area of impacts and only one monitoring well (DMW-06) contains a measurable thickness of free product. Results of the latest groundwater sampling from the POL Area are due in a "couple of weeks." The objectives for the POL Area are to clean groundwater to 5 ppb of benzene and 10 ppm of TPH.

Winston Crow then introduced the alternatives for remediation of the MPA. The two preferred remedies are to:

- Extend the POL Area SVE system to the MPA and remediate the MPA concurrently with the POL Area. The SVE system has sufficient capacity to permit additional extraction wells.
- Complete a PREE/CA for the MPA. A PREE/CA is a non-time critical removal action under CERCLA and is similar in scope to the RI/FS approach.

The ANG prefers the first alternative because of budget and time factors. Mr. Dave Kennedy (PADER) wants to insure that the Navy, AFRES and the ANG present "one face" to the public during the public meetings held throughout the remediation process.

Mr. Drew Lausch of the EPA noted that in the Site Assessment (SA) Report for the MPA, additional sampling and analysis for benzene, toluene, ethylbenzene, and xylenes (BTEX) and volatile organic compounds was proposed. He stated that if the results of these data indicate a "petroleum" origin for the MPA contamination, the MPA may be excluded from CERCLA actions because petroleum storage tanks are excluded under CERCLA regulations. Mr. Lausch (EPA) could not express an opinion on whether the inclusion of the MPA with the POL Area remediation would be acceptable to the EPA. Mr. Kennedy (PADER) believed the State would likely accept that alternative. However, Mr. Kennedy (PADER) pointed out that the SVE is not directly addressing the groundwater issue. Mr. Crow stated that the SVE will reduce the source of the contamination and, therefore, will accelerate natural degradation of the contamination in groundwater. He stated that additional monitoring wells could be added downgradient of the MPA to determine the nature and extent of groundwater contamination, and requested that the State provide comments on this option.

Pending further discussions with the EPA attorneys, Mr. Lausch would prefer to continue with treating the MPA as a CERCLA site. This approach is also consistent with the ANG preference.

Mr. Kennedy (PADER) would like an official notification (letter) describing the ANG approach of appending the MPA to the POL Area for remediation. He agreed with the ANG that getting the SVE running soon may be advantageous, as the SVE system may help in mitigating the impacts to groundwater.

Mr. Crow then gave a summary of the meeting and summarized the following action items:

- The AFRES is to provide to ANG a copy of the interpreted data from the latest groundwater sampling at the POL Area. These data should be available early in January 1996.
- Mr. Kennedy is to discuss the MPA site with the Underground Storage Tank (UST) division of PADER and obtain any comments on the SA from them. Following receipt of these comments, the ANG is to provide PADER a letter (called an Approval Memorandum) describing the desired approach to the MPA remediation and a scope for the PREE/CA. Mr. Kennedy will approve and provide comments on the MPA approach based on this letter.
- Mr. Crow is to hold further discussions with Carlton Crenshaw (AFRES) with respect to combining the remediation of the POL Area and MPA sites.

Following the meetings, PEER remained at the base to review the 111th FW EMO correspondence and document files. In addition, the documents pertaining to the 913th AFRES POL area were also reviewed.

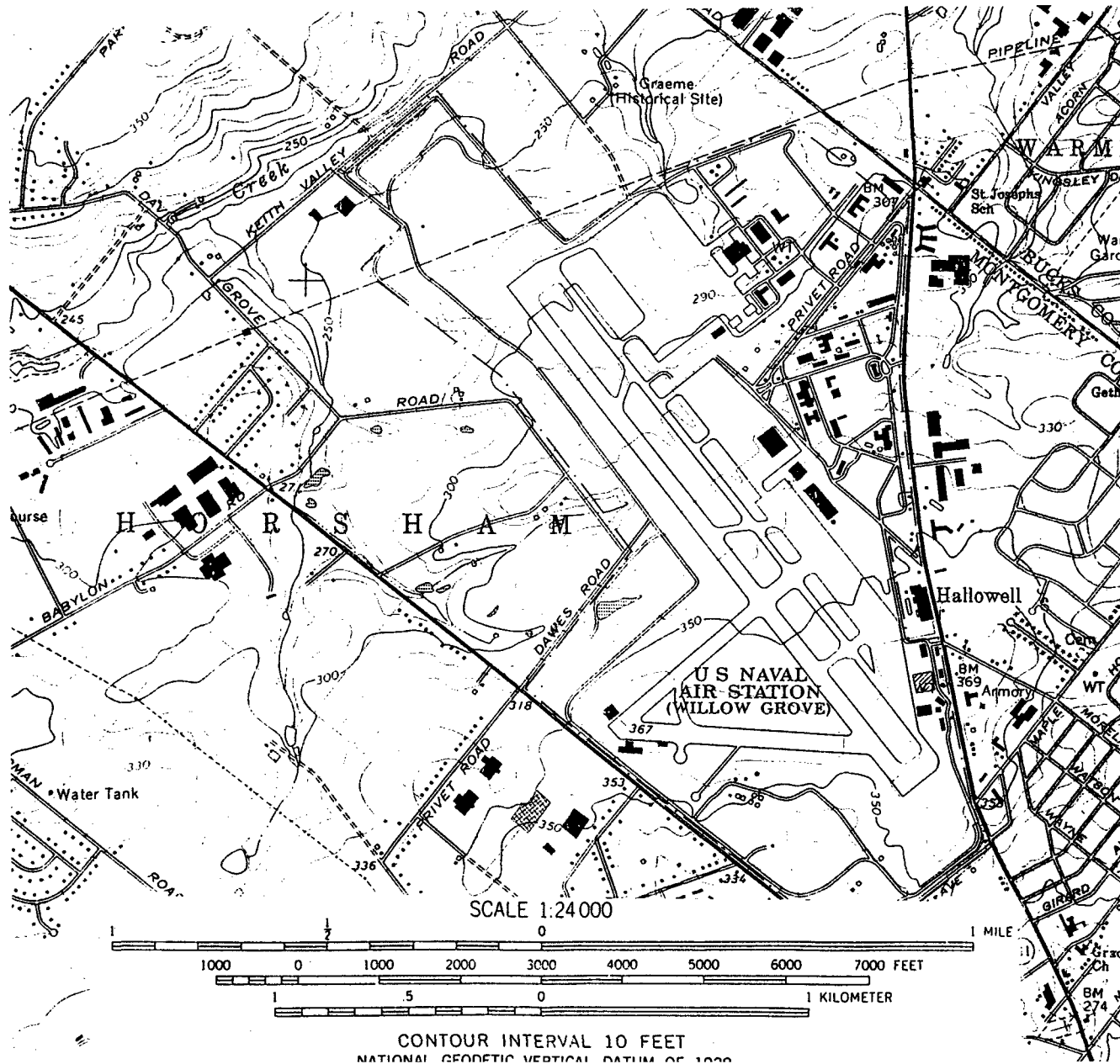
**ATTACHMENT B****LIST OF ATTENDEES – REGULATORY AGENCY MEETING  
DECEMBER 12, 1995****KICKOFF/SCOPING MEETING  
PRESUMPTIVE ENGINEERING EVALUATION AND COST ASSESSMENT  
111th FIGHTER WING  
PENNSYLVANIA AIR NATIONAL GUARD  
WILLOW GROVE, PENNSYLVANIA**

<b>Name/Rank</b>	<b>Organization/Address</b>	<b>Phone No./DSN</b>
LtCol Alex Luyando	111th FW/CE 1120 Fairchild Street Willow Grove ARS Willow Grove, PA 19090-5101	(215) 443-1348 DSN 991-1348
Cpt Stephanie Sullenbarger	111th FW/PAO 1120 Fairchild Street Willow Grove ARS Willow Grove, PA 19090-5101	(215) 443-1504 DSN 991-1504
TSgt Derrick E. Hyatt	111 FW/SGPB 1120 Fairchild Street Willow Grove ARS Willow Grove, PA 19090-5236	(215) 443-1433 DSN 991-1433
Hal Dusen	913 SPTG/CEV 2164 McGuire Street Willow Grove ARS Willow Grove, PA 19090-5232	(215) 443-1108 DSN 991-1108
Charanjit Gill	913 SPTG/CEV 2164 McGuire Street Willow Grove ARS Willow Grove, PA 19090-5232	(215) 443-1105 DSN 991-1105
Drew Lausch	Drew Lausch 3HW50 U.S. EPA Region 3/SF 841 Chestnut Building Philadelphia, PA 19107	(215) 597-3161
David Kennedy	PA Dept. of Environmental Protection	(610) 832-6199
Winston Crow	3500 Fetchet Avenue ANG/CEVR Andrews AFB, MD 20762-5157	(301) 836-8155 DSN 278-8155
Alan Klavans	3500 Fetchet Avenue ANG/CEVR Andrews AFB, MD 20762-5157	(301) 836-8451 DSN 278-8451
Terence Ashworth	PEER Consultants, P.C. 575 Oak Ridge Turnpike Oak Ridge, TN 37830	(423) 483-3191 (423) 483-8617 (FAX)



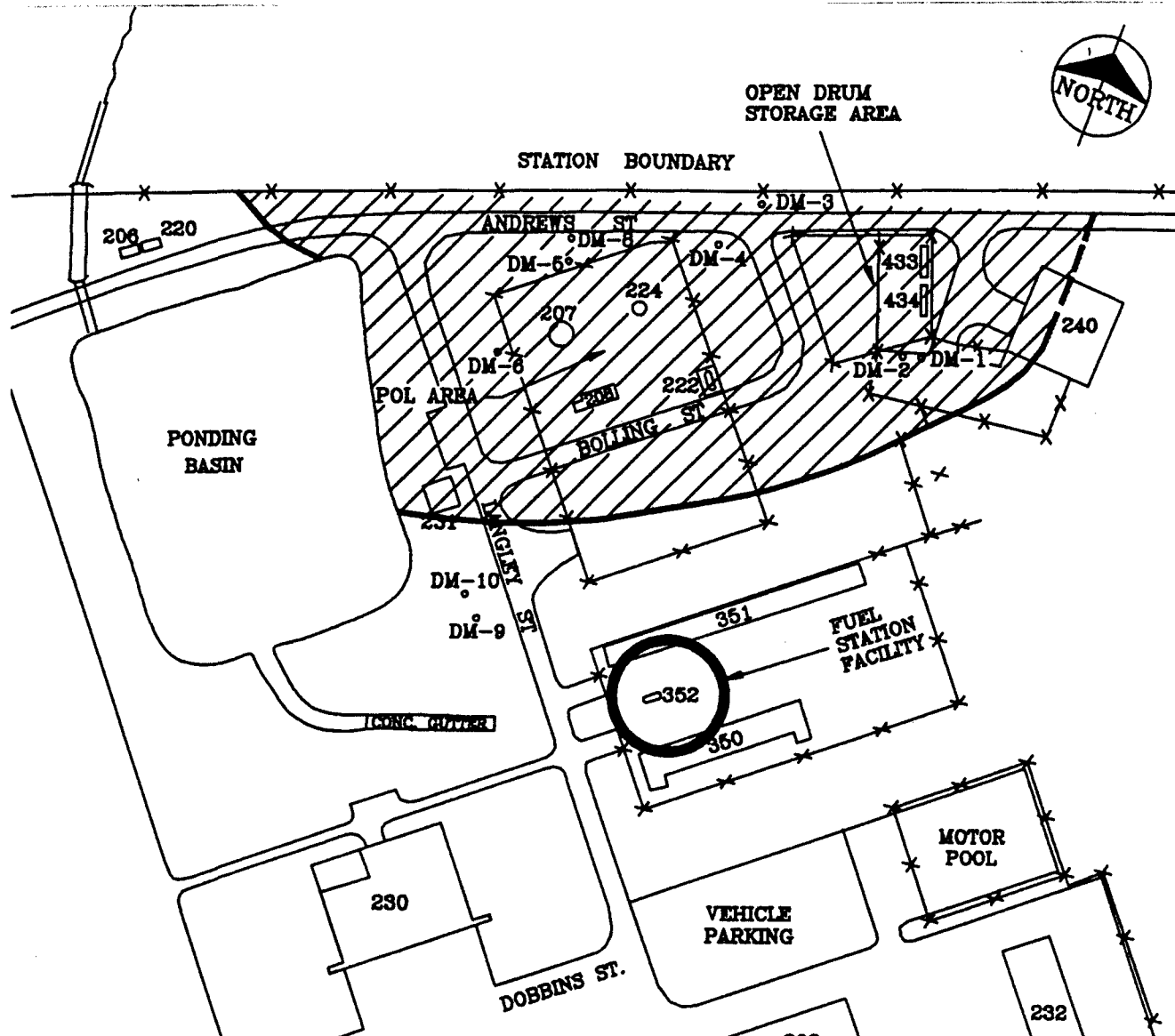
**ATTACHMENT C**  
**REGULATORY MEETING OVERHEADS**

# Base & Vicinity

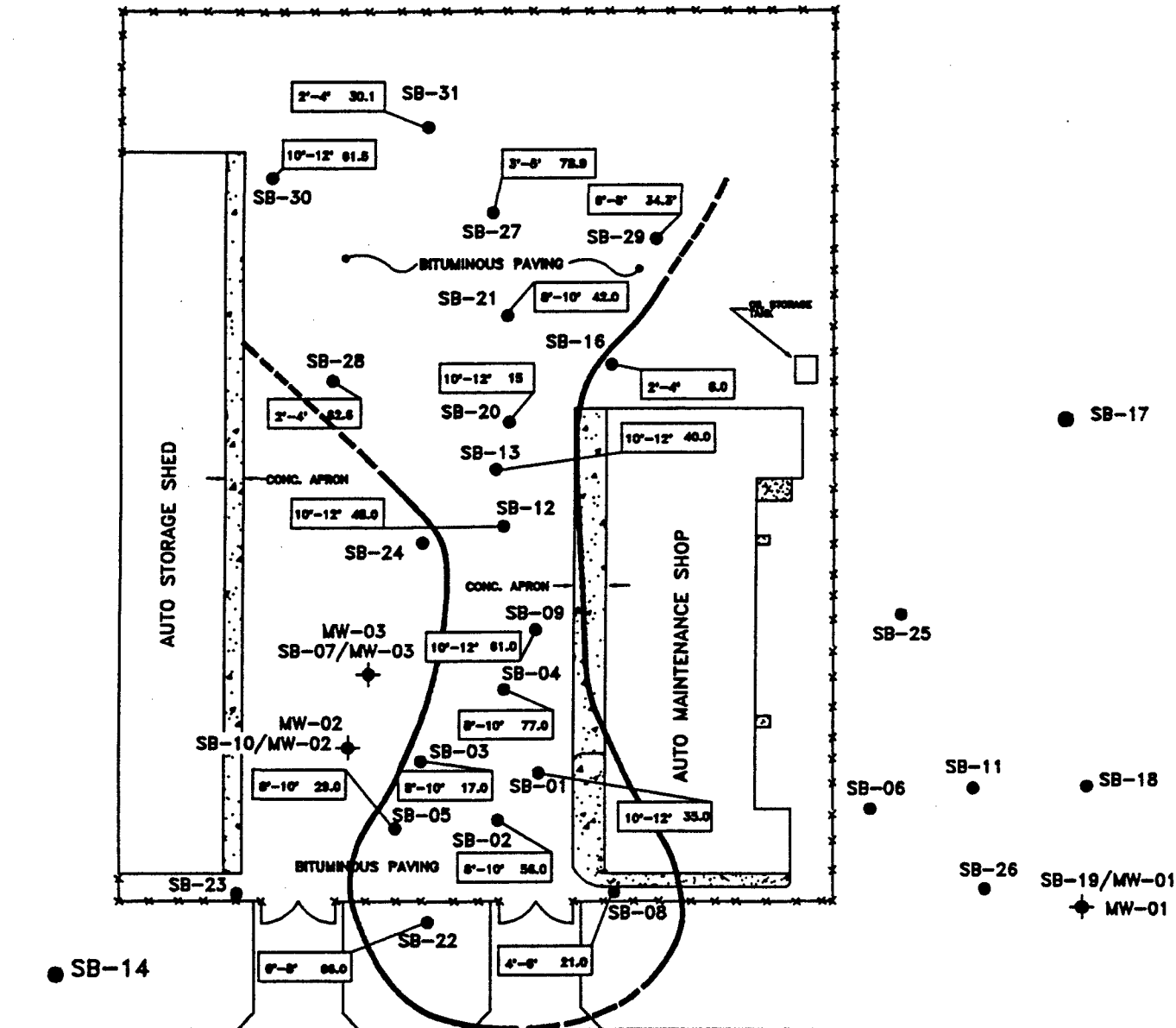




# Investigated Areas



# MPA Impacted Soil Area



# November 1994 GW Flow

