

**VALLEY CAMP OF UTAH, INC.**Scofield Route  
Helper, Utah 84526

28 December 1984

Mr. Wayne Hedberg  
Permit Revision Supervisor  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

**RECEIVED**  
DEC 31 1984DIVISION OF  
OIL, GAS & MINING

Re: Cleaning of Sediment Pond No. 4

Dear Mr. Hedberg:

Dredging activities associated with cleaning of the No. 4 sediment pond at the Belina Complex were temporarily terminated on November 30, 1984. The major portion of the dredging work was completed on November 16th; additional work associated with the construction of a small sediment dike was not completed until November 30th.

Although winter conditions forced us to abandon the project before we accomplished a complete cleaning of the pond, we feel as though the dredging activities have provided sediment and water storage capacities within the pond that will meet runoff requirements, and produce discharge which will comply with N.P.D.E.S. limitations.

As you will notice on the enclosed drawing, the decant, spillway and berm elevations are actual, and the bottom of pond elevation is inferred. The actual bottom elevation could not be determined due to conditions. The inferred elevation was obtained by establishing the water level at the time of cleaning, and then subtracting the overall length of the dragline's chain and bucket, which were below the water surface when the bucket was lowered to the bottom of the pond. This distance, on the average, was eight (8) feet below the water surface. Considering that the water level was approximately three (3.0) feet below the decant pipe elevation, we were probably digging to an elevation of 8860±. The inferred elevation was estimated to be 8863± after settling.

A three (3) inch decant pipe (see attached drawing) was installed near the bottom of the primary discharge, which will provide constant discharge of an event. This orifice will also provide a sixty (60) hour detention period for a 10-year event. The elevation of this decant, when compared to the primary discharge elevation, will provide storage for 3.43 acre feet of water. The estimated sediment storage volume is 6.45 acre feet. Realizing these figures to be estimates, the pond, in its present state, would then provide a total volume of 9.88 acre feet. Please refer to Drawing No. A4-0092 for the details of the three (3) inch decant. As you can see, we have also installed a three (3) inch valve on this decant, which will allow for even greater detention time if the discharge analyses so indicate. The determination of the detention time which this decant provides was made by Vaughn Hansen Associates.

I previously mentioned the cleaning activities to be "temporarily" interrupted because we are still planning to do additional cleaning in the southwest corner of the pond. These activities will be resumed in the spring, as soon as conditions allow. At that time, we will attempt to remove the snow and material that has been, and will be again, pushed off the bank into the pond. We will also at that time clean up and regrade the area where the pond sediment was deposited.

Once all cleaning-enlarging activities have been completed, the pond will be surveyed and "as built" drawings will be submitted to the Division.

It is hoped that this action will be acceptable for abatement of Notice of Violation No. N84-7-6-1.

If you have questions or concerns pertaining to this project, please feel free to call me.

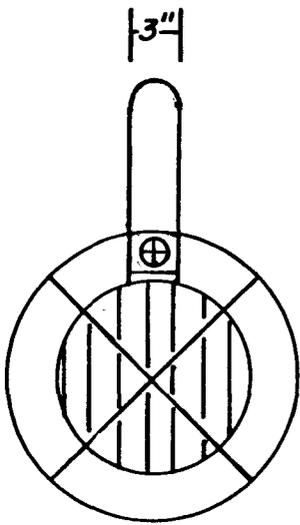
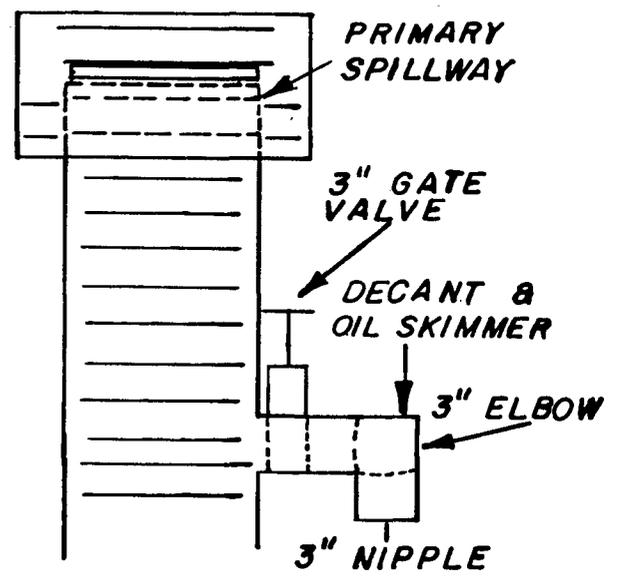
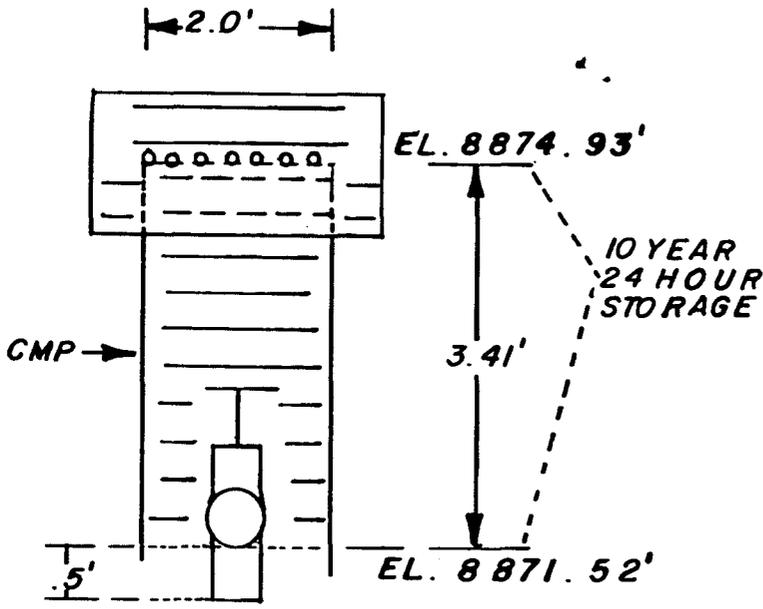
Sincerely,



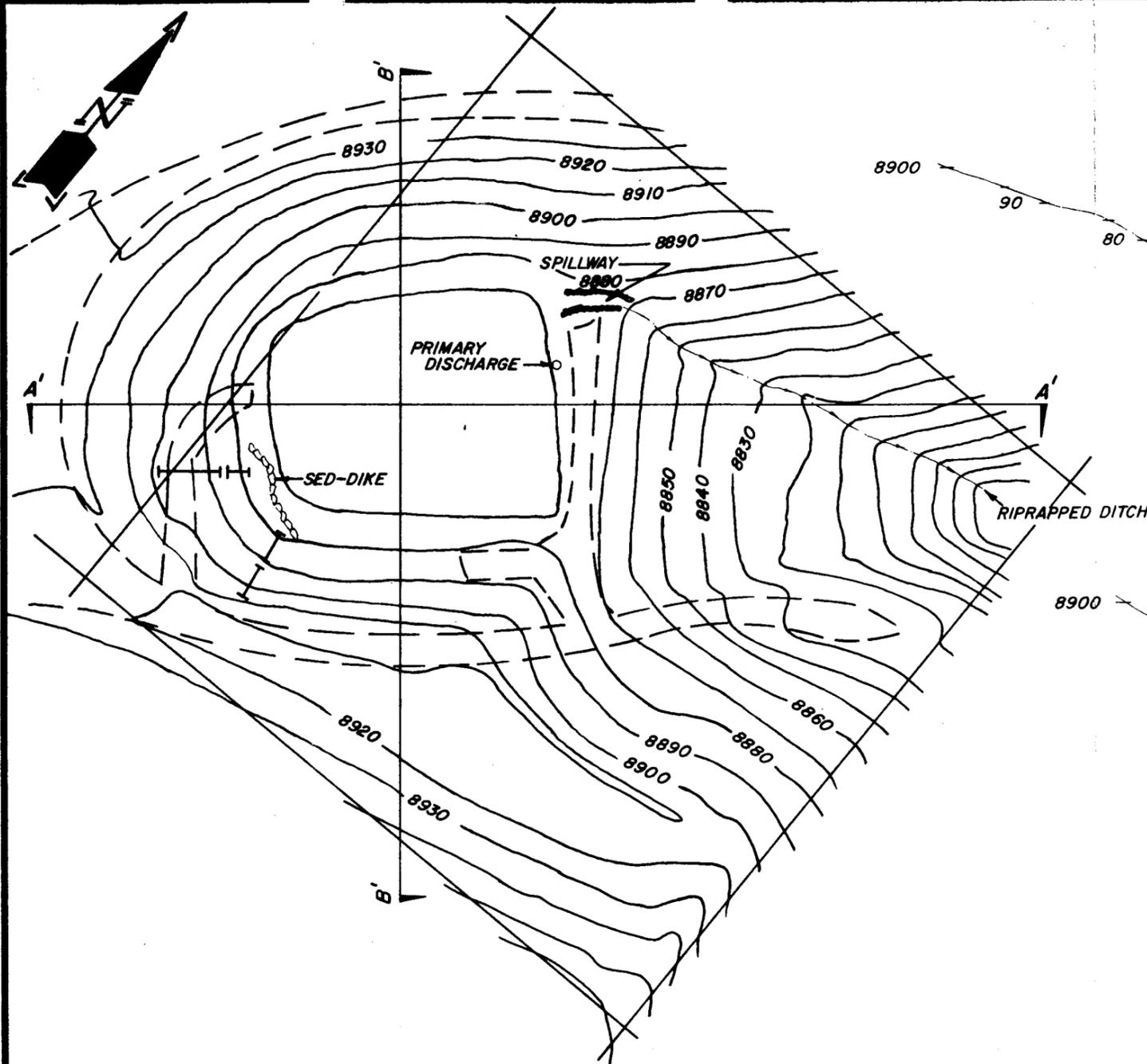
T. G. Whiteside  
Chief Engineer

Enclosures

Copies to: Steve McNeal, Utah State Dept. of Health, w/encl.  
Allen Klein, OSM, Denver, w/encl.



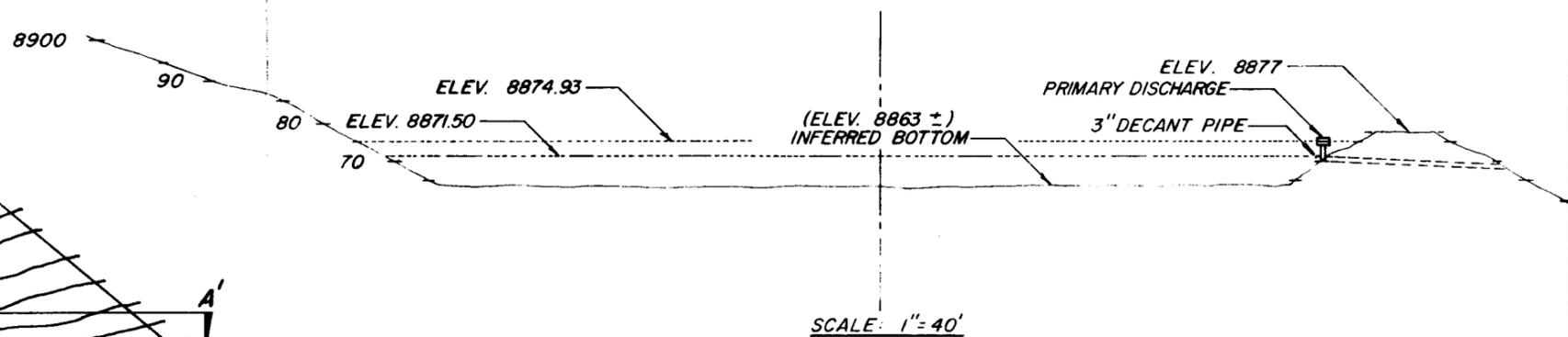
DRAWN BY: <b>K. PAPPAS</b>	DATE: <b>11-16-84</b>	 <b>VALLEY CAMP of UTAH</b> SCOFIELD ROUTE HELPER, UTAH 84526
CHECKED BY: <b>S. K. T.</b>	DATE:	
REVISED BY:	SCALE: <b>NONE</b>	
APPROVAL ENG.:		
APPROVAL SAFETY:	TITLE: <b>004 SEDIMENT POND DECANT REVISION</b>	DRAWING NO. <b>A4-0092</b>
APPROVAL MINE:		REV. NO. <b>1</b>



SCALE: 1" = 100'

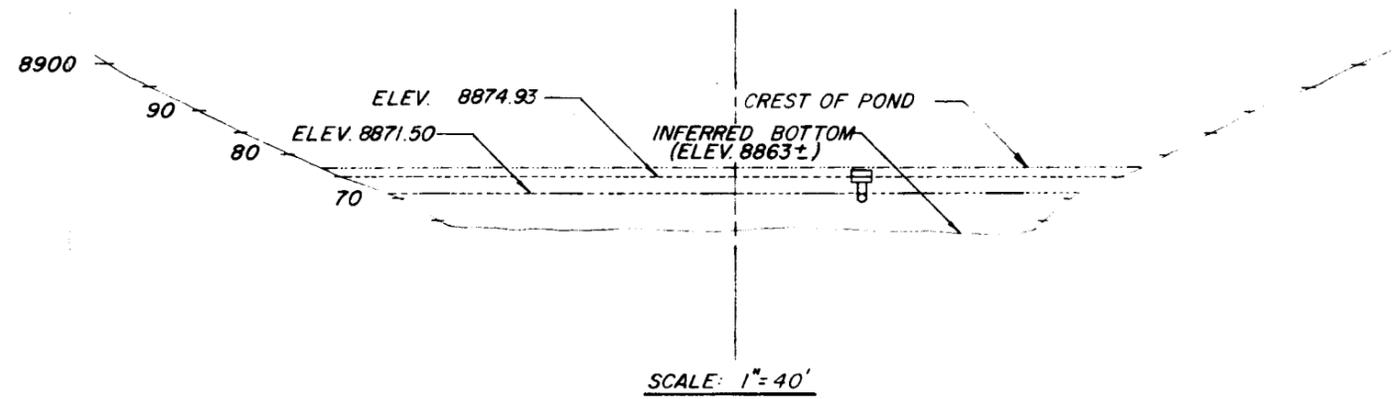
NOTE: CONTOURS LEFT OF B' LINE ARE INFERRED.

A' X-SECTION (INFERRED)



SCALE: 1" = 40'

B' X-SECTION (INFERRED)



SCALE: 1" = 40'

DRAWN BY:	S.K. TANNER
DATE:	DEC. 14, 1984
CHECKED BY:	
DATE:	
APPROVAL:	<i>[Signature]</i>
APPROVAL:	
APPROVAL:	



**VALLEY CAMP OF UTAH, INC.**  
**SCOFIELD ROUTE**  
**HELPER, UTAH 84526**

TITLE: **BELINA MINE COMPLEX  
 RECONDITIONED SED-POND 004**

SCALE: AS NOTED

DRAWING NO. **BI-0024**