

VALLEY CAMP OF UTAH, INC.

Scofield Route
Helper, Utah 84526

27 July 1982



Mr. Tom Tetting
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Dear Mr. Tetting:

As per your phone request of this date, please find enclosed a copy of the May 17, 1982, correspondence to Mr. Steven R. McNeal, Division of Environmental Health, as referenced to in my ACR response.

In addition, I am also transmitting a copy of said letter to Ms. Sarah Bramson of O.S.M., as you directed.

Please call if I may be of further assistance concerning this matter.

Sincerely,

T. G. Whiteside
Senior Mining Engineer

Enclosure

Copy to: Sarah Bramson, OSM, w/encl.

VALLEY CAMP OF UTAH, INC.

Scofield Route
Helper, Utah 84526

17 May 1982

Steven R. McNeal
Public Health Engineer
Department of Health
Division of Environmental Health
P. O. Box 2500
Salt Lake City, Utah 84110-2500

Dear Mr. McNeal:

The details, as you have requested by your letter of May 4, are presented by the drawing attached. As you can see, the size of the culvert and inlet oil skimmer design are much larger than required, but in that we have several feet of 18 in. and 30 in. culvert on hand, we decided to use this size. The 18 in. pipe is 16 gauge, .3" x 1" CMP. In that the cover over the pipe is 2 - 5 feet with no traffic, Q.E.D., there is no problem with the flexure or settling of the structure. The grade of the outlet from Pond #1 will be approximately $\frac{1}{4}$ " for each 1 foot in length, to minimize the settlement of whatever solids remain in the pipe.

The second and third ponds are used as polishing filters, and if they ever need cleaning, the mine discharge will be stopped during the maintenance process. Pond #1 will be used as the primary settling area. When periodic maintenance is required in this area, all discharge from the mine will be discontinued, and if any water, settlement, etc. is continued through, it will be filtered by ponds 2 and 3.



E. B. Foust, P.E.
Chief Engineer

Attachment

See correspondence of 17 Nov 1981 and 24 July 1981

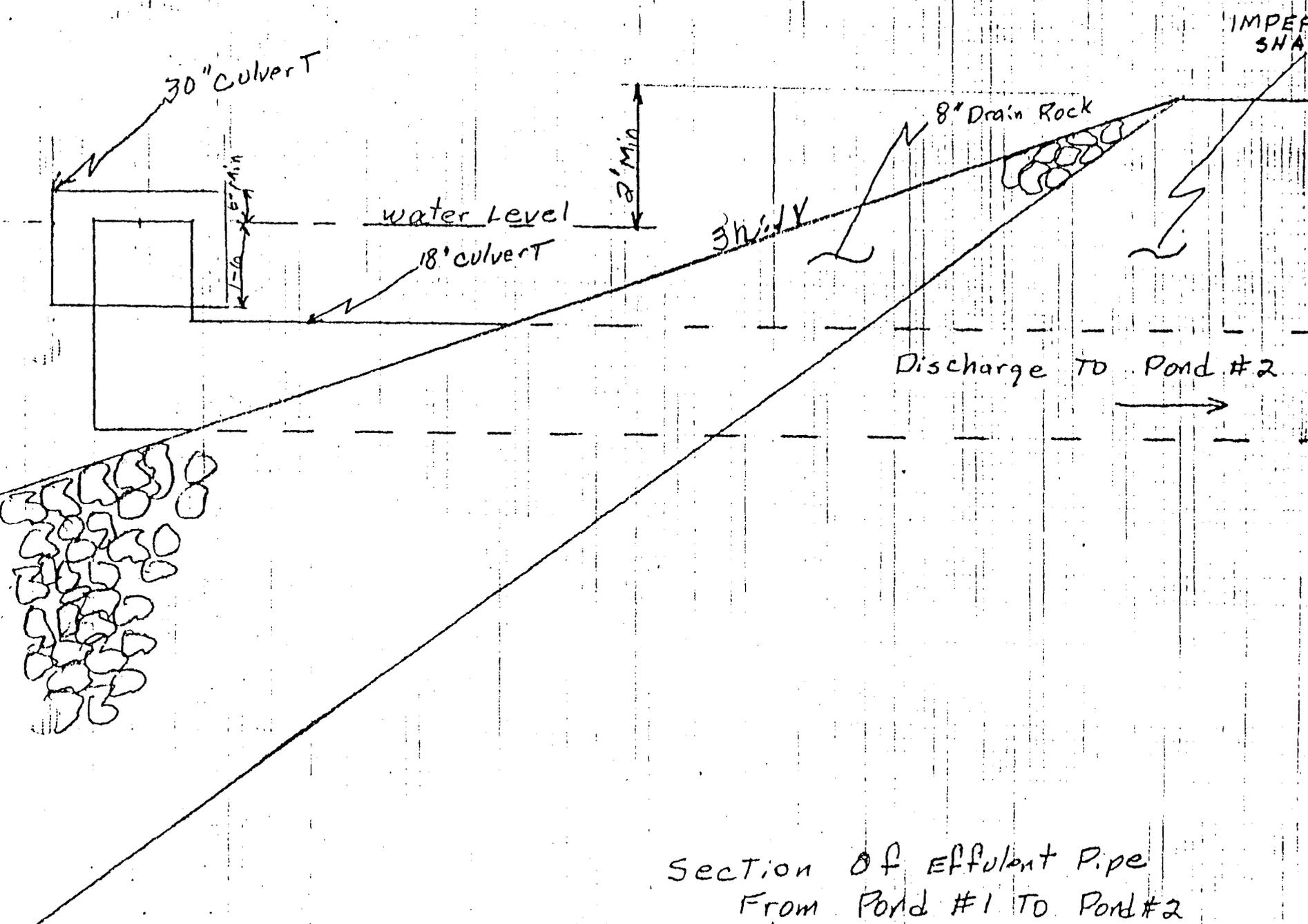
SUBJECT
DRAWN BY

SCOTTED ROUTE HELPER, UTAH 84526

DRAWING NO.

DATE:

IMPERVIOUS SHALE



Section of Effluent Pipe
From Pond #1 TO Pond #2
showing Oil skimmer

VALLEY CAMP OF UTAH, INC.

Scofield Route
Helper, Utah 84526

30 November 1981

(File) ACT 1007 m
Copy letter
map to Tom T. &
Tom P. & Sally

JIM

DEC 28 1981

RECEIVED
DEC 21 1981

DIVISION OF
OIL, GAS & MINING

Mr. James W. Smith, Jr.
Coordinator of Mined Land Development
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: Belina No. 2 Approval
Stipulation No. 6-81-4

Dear Mr. Smith:

On June 10, 1981, the Division granted Valley Camp of Utah, Inc., approval to commence mining in the Belina No. 2 Mine on a Carbon County Lease. Said approval was conditional upon the applicant's compliance with ten stipulations set forth by the Division. As of this date, it is my understanding that nine of the ten stipulations have been complied with. In an effort to comply with the remaining stipulation, No. 6-81-4, the following and enclosed information is offered.

Regarding regulations UMC 817.47 and 817.153 (c) relating to "Discharge Structures" and "Road Drainage", all culverts within the permit area are in compliance.

As far as an inventory of existing culverts is concerned, some of those can be found in the Vaughn Hansen Associates "Compliance Survey". This survey addressed size and location of all culverts which were at that time installed. Culverts installed after the survey was completed are located and described on the enclosed map. In order to ensure adequate drainage by these structures, it has been our practice to install oversized culverts.

As a result of conversations with Messers. Ron Daniels and Thomas Portle relating to this stipulation, I assume this information will be acceptable.

I do, however, realize that should future on site inspections reveal any items of concern with these culverts, we will be required to insure compliance through additional measures.

Mr. James W. Smith, Jr.
30 November 1981
Page 2

Thank you for your cooperation and consideration in this matter.

Sincerely,



T. G. Whiteside
Senior Mining Engineer

k

Enclosures

File
Revised letter to U.S. Dept. of Justice
Joe

VALLEY CAMP OF UTAH, INC.

Scofield Route
Helper, Utah 84526

17 November 1981

RECEIVED
NOV 24 1981
JIM

NOV 30 1981
DIVISION OF
OIL, GAS & MINING

Mr. Calvin K. Sudweeks
State Department of Health
Division of Environmental Health
150 West North Temple
P. O. Box 2500
Salt Lake City, Utah 84110

Dear Mr. Sudweeks:

After receiving Don Ostler's letter of 21 August 1981, and his site inspection in September, 1981, the source of BOD's in the effluent from the Belina #1 Mine discharge filter pond has been found. All of the subsequent samples taken in October and November show the BOD within acceptable limits.

The proposed filter pond will not settle in the site selected in that the existing filter pond and the proposed filter pond are sitting on rock.

On the revised drawing attached, you will find that in the first pond, a berm has been added to meet the requirements for the 2 foot freeboard.

An oil skimmer is added from the primary, or first pond, to the filtering ponds as shown.

As the pond becomes filled with sediment, cleaning can be done from one pond to another, meeting the required effluent standards using the second and third ponds as filters during cleaning. When cleaning the second or third ponds, the discharge will be discontinued, and no effluent will be discharged during the cleaning operation.

Yours very truly,



Edwin B. Foust
Chief Engineer

Attachment

Copies to: DOGM
EPA - Denver

VALLEY CAMP OF UTAH, INC.

Scofield Route
Helper, Utah 84526

File A-1007

JIM

AUG 05 1981

James W. Smith, Jr.
Coordinator of Mined Land Development
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

RECEIVED
JUL 24 1981

To Wayne Lee for action response

DIVISION OF OIL, GAS & MINING

Send copy to McNeal

RE: Filter Pond Design
Belina No. 1 Mine

The filter pond in use at Valley Camp of Utah Belina No. 1 Mine is undersized for the amount of water presently being discharged from the mine. The present filter flow rate is 1.56 gpm per sq.ft. at 250 gpm; it is proposed to enlarge this filter capacity by decreasing the flow rate to .260 gpm per sq.ft. at 250 gpm.

To enlarge the filter area will require lengthing the filter dike from 40 feet to 60 feet and installing a new filter dike in the Northern most pond; requiring the water to pass through two filter areas instead of the present primary filter area. It is also proposed to construct an inlet prefilter composed of 1½" blast furnace slag which can easily be periodically replaced.

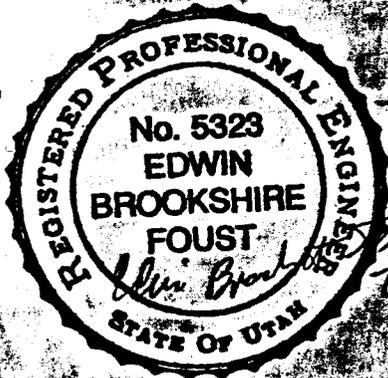
During construction of the pond all mine discharge will be diverted to the mine area sediment pond in accordance with regulations required by the Federal and State authorities.

The construction of the filter will consist of sealing the bottom of the pond and dike with 18" of impervious shale; then covering this shale with a layer of 1½" blast furnace slag to a thickness of 12". The filter dike will be constructed with a core of 1½" blast furnace slag then a layer of 3/8 x 0 coke breeze to a filter thickness of 18" followed by another layer of 1½" blast furnace slag as shown in the construction drawing.

To enlarge the filter pond no topsoil or outslopes will be disturbed therefore the stabilization of the slopes and revegetation will not be changed from the present. The proposed addition to the filter pond will be constructed so as to not receive any surface drainage from the surrounding area.

Sincerely yours;

E.B. Foust
E.B. Foust P.E.
Chief Engineer



7/24/81 FILTER