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**Southern Utah  
Fuel Company**

P.O. Box P  
Salina, Utah 84654  
(801) 529-7428  
(801) 637-4880 (Mine)

FILED 41/002

cc Sle K w

**Subsidiary of  
Coastal States  
Energy Company**

May 14, 1982

Mr. Steven McNeal  
Public Health Engineer  
Department of Health  
P.O. Box 2500  
150 West North Temple  
Salt Lake City, Utah 84110-2500

Dear Steven:

This letter provides the information requested in your May 4, 1982 correspondence (copy enclosed).

The diagram labeled "Item-1 Construction Details" shows the dimensions and reinforcement of the two dams which are used to back up water for settling of solids and impoundment in the northwest corner of our mined-out 2E panels.

The sheet labeled "Item-2" shows the various operational water levels and control devices which will maintain the water levels. The solids settling area covers more than 100 acres. The actual water impoundment volume behind the dams can be 800,000 gallons as shown on the sheet labeled "Item-3 Volume of Storage". Discharge quality will be better than or equal to the limits in our NPDES permit. The quantity should be approximately 0.54 MGD. The sheet labeled "Item-5" details safeguards against discharge of oil and floating debris.

We would be pleased to show you this installation at your convenience. Call me if I can be of further help.

Yours very truly,

Kerry A. Frame  
Chief Engineer

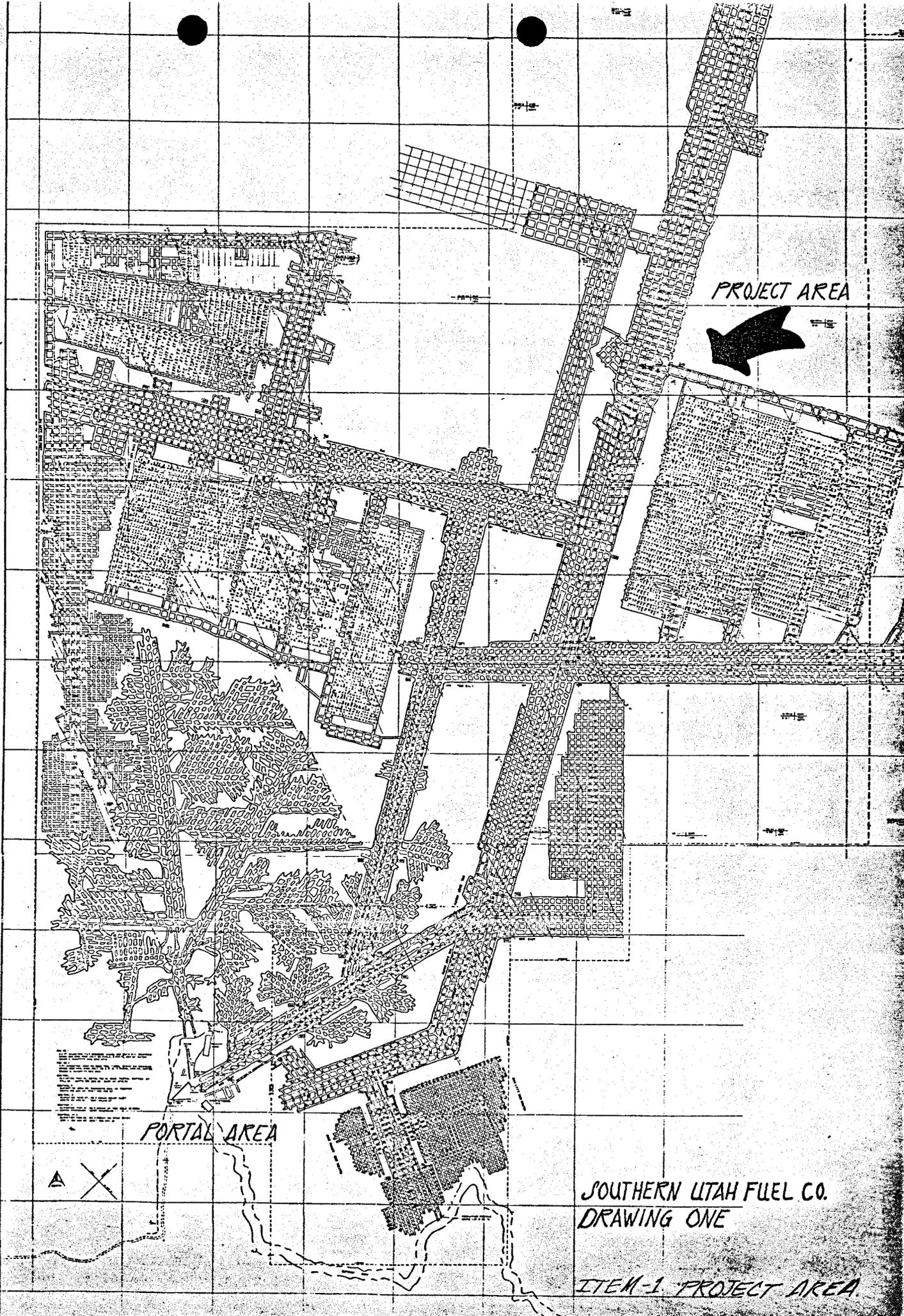
KAF:d1j

Enclosures

xc: Sally Kefer, DOGM  
Donna Fuller, EPA

RECEIVED  
MAY 19 1982

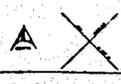
DIVISION OF  
OIL, GAS & MINING



PROJECT AREA

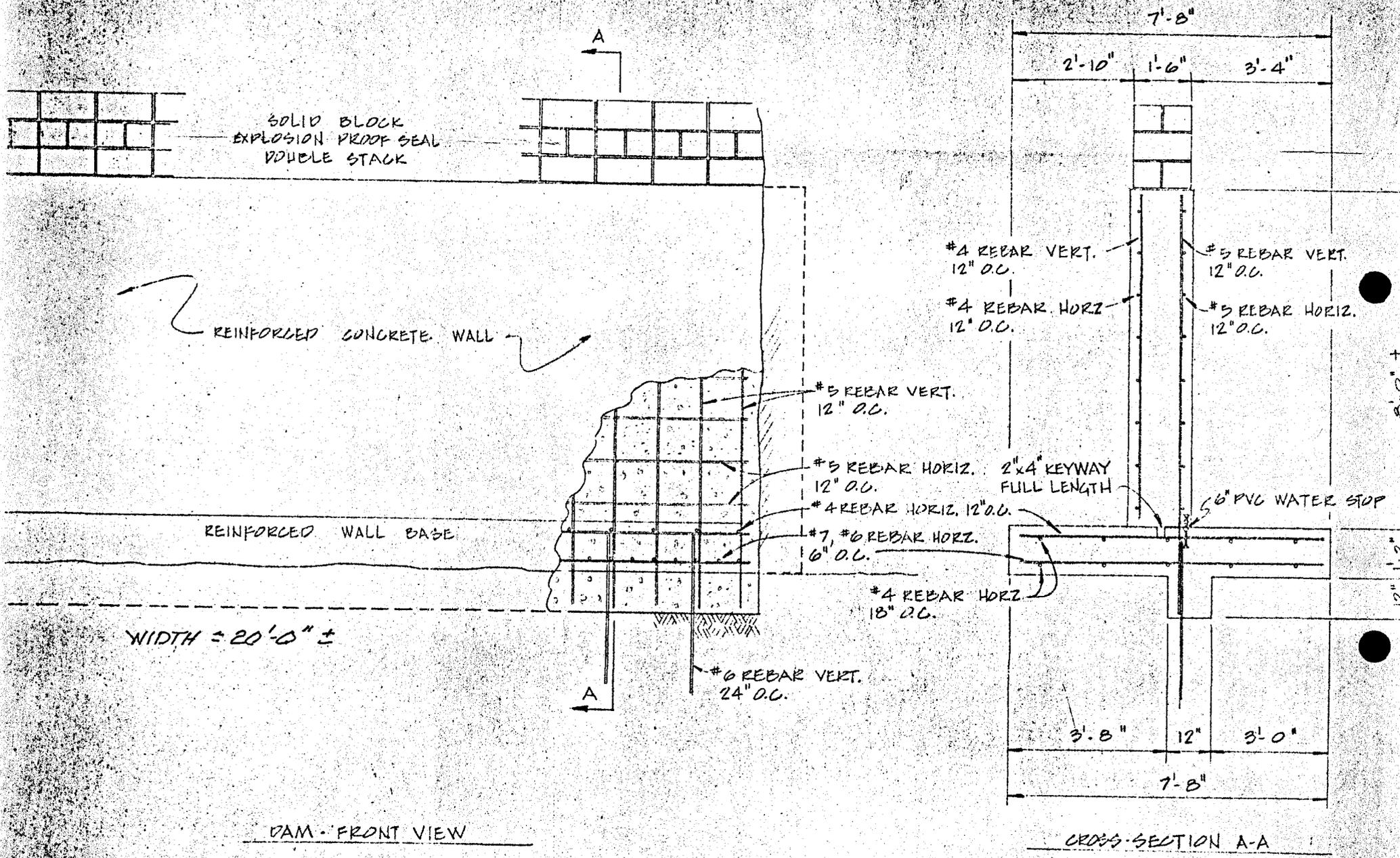


PORTAL AREA



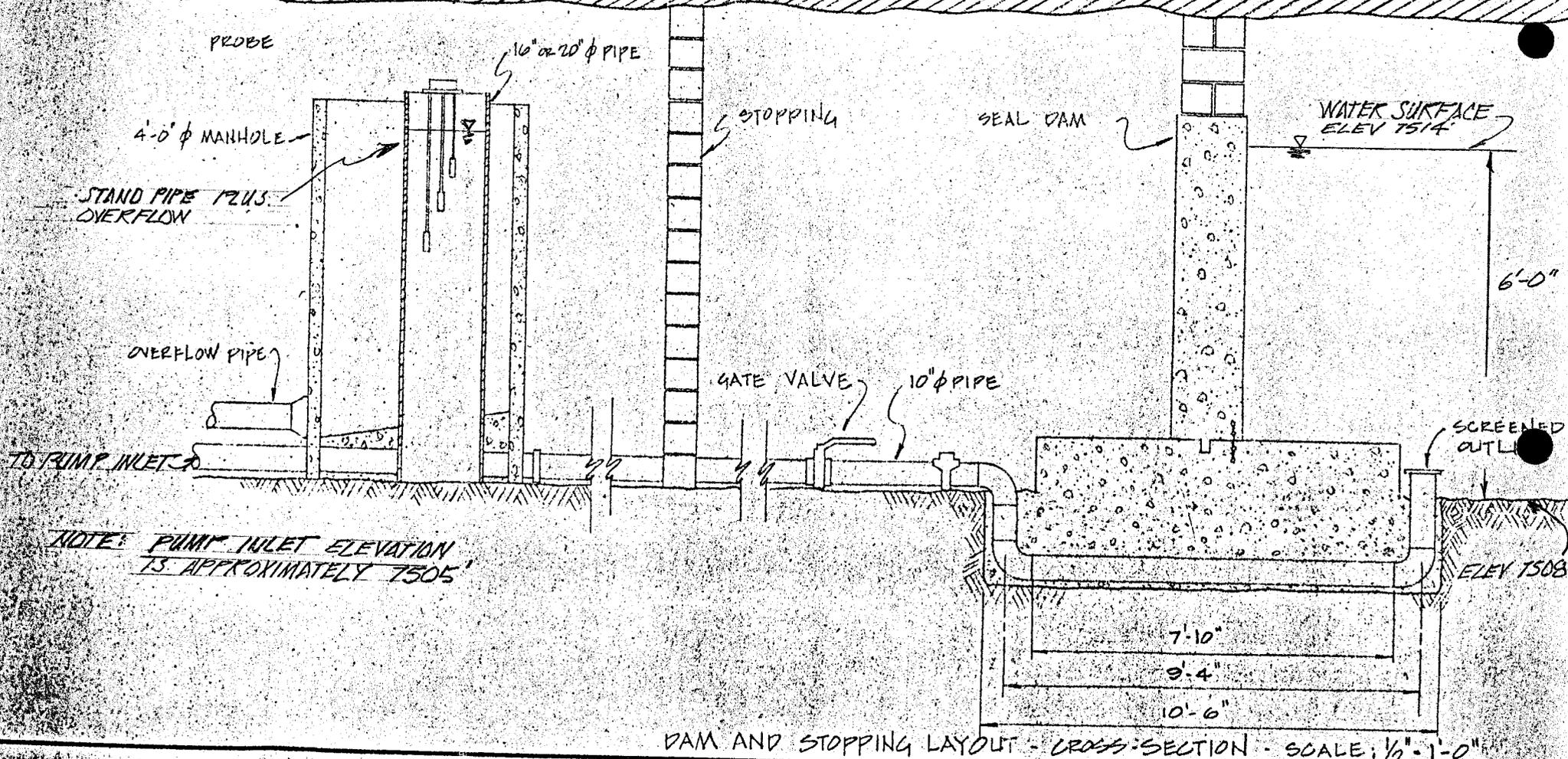
SOUTHERN UTAH FUEL CO.  
DRAWING ONE

ITEM-1 PROJECT AREA



ITEM-1 CONSTRUCTION DETAILS

ITEM-1



ITEM-2 ELEVATIONS FOR SUMP, WATER SURFACE, PUMP INLET

US-77-11 8797  
6 11" 7526  
(1269)

COMBINATION DAM AND SEAL

IMPOUNDMENT AREA  
= 800000 GAL. STORAGE

MAIN PUMP STATION

SEALS

SEALS

INLET PIPE

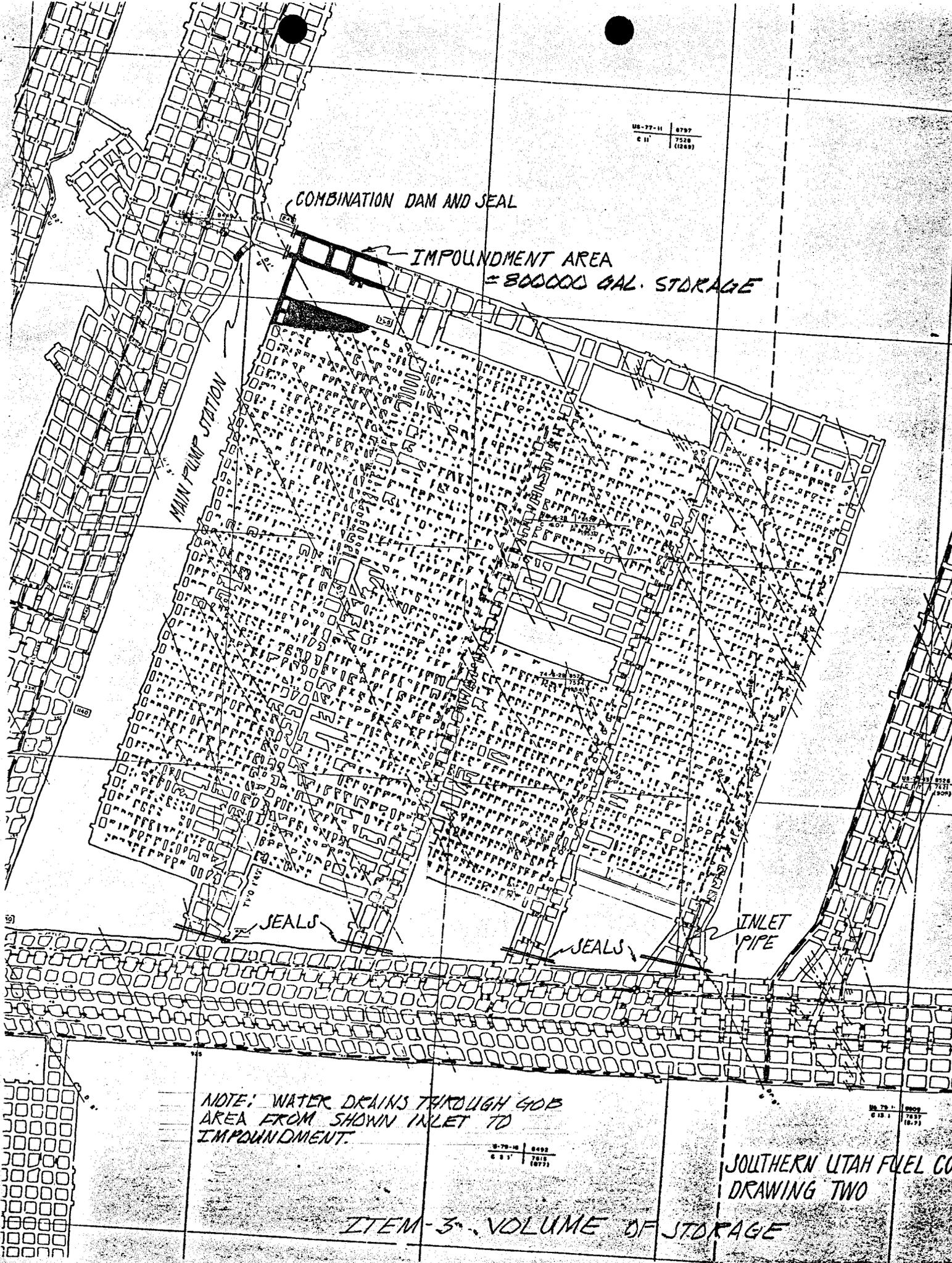
NOTE: WATER DRAINS THROUGH GDB  
AREA FROM SHOWN INLET TO  
IMPOUNDMENT.

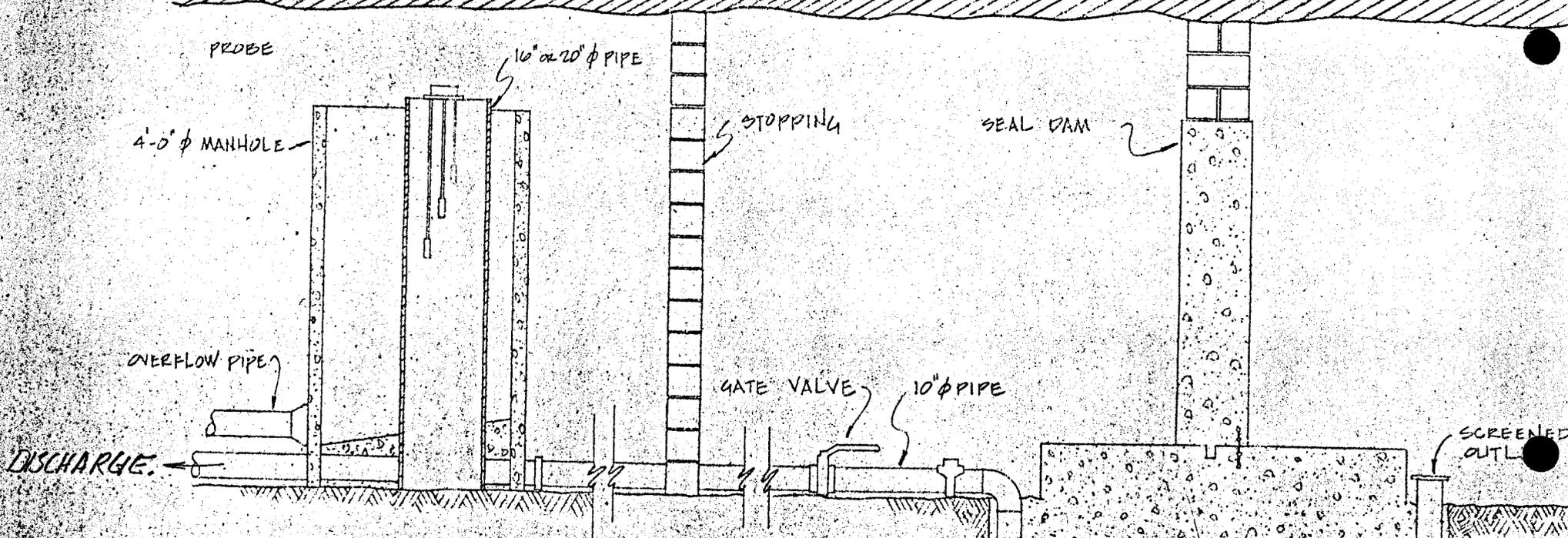
US-77-11 8442  
6 11" 7527  
(1273)

US-77-11 8554  
6 11" 7528  
(1274)

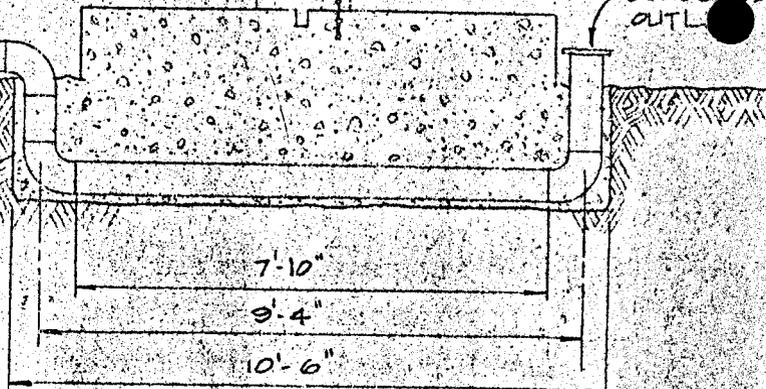
SOUTHERN UTAH FUEL CO.  
DRAWING TWO

ITEM-3 VOLUME OF STORAGE



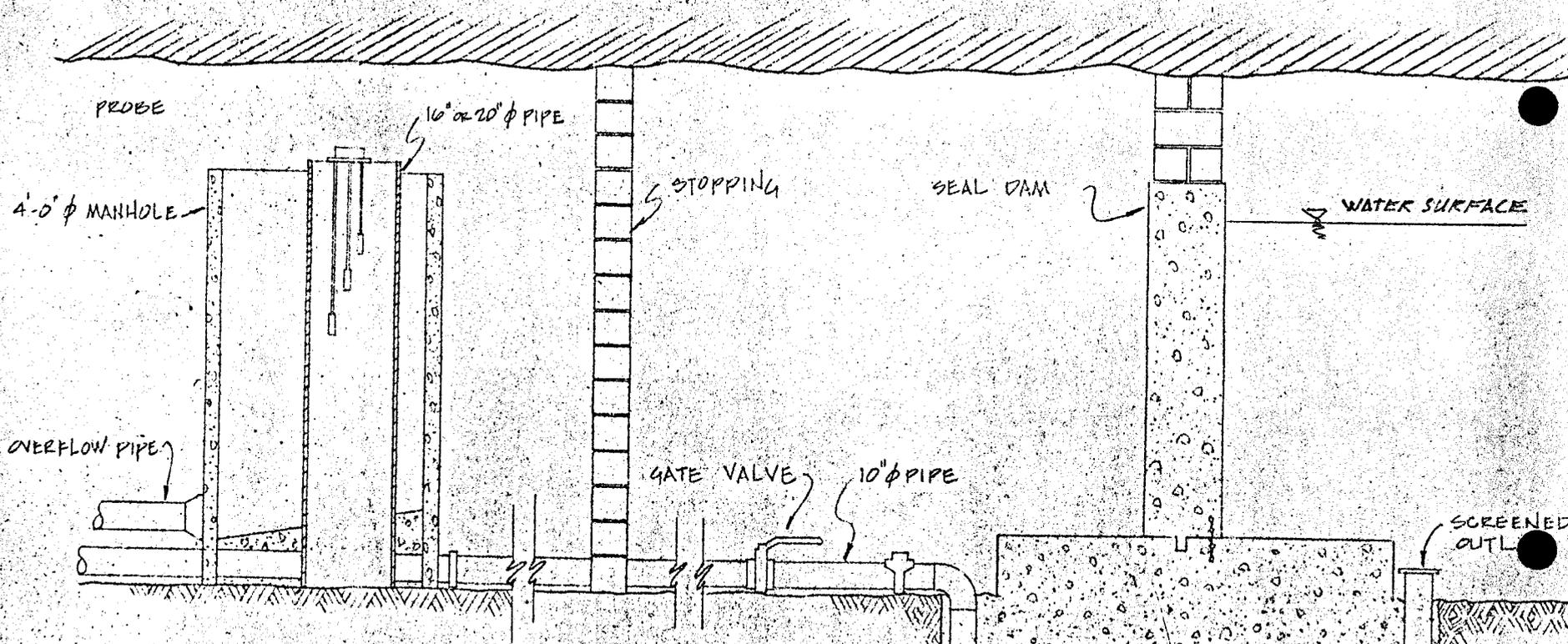


ESTIMATE AVERAGE DISCHARGE 0.54 MGD  
 DISCHARGE - WATER QUALITY < PERMIT LIMITATIONS



DAM AND STOPPING LAYOUT - CROSS-SECTION - SCALE: 1/2" = 1'-0"

ITEM-4 DISCHARGE QUALITY AND VOLUME



NOTE: SCREENED OUTLET SHALL PREVENT FLOATING DEBRIS FROM ENTERING PIPE

WATER DEPTH SHALL PREVENT DISCHARGE OF OILS AND FLOATING DEBRIS.

DAM AND STOPPING LAYOUT - CROSS-SECTION - SCALE: 1/2" = 1'-0"

ITEM-5 PREVENT DISCHARGE OF FLOATING DEBRIS.



STATE OF UTAH  
DEPARTMENT OF HEALTH  
DIVISION OF ENVIRONMENTAL HEALTH

150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110-2500

Alvin E. Rickers, Director  
Room 474 801-533-6121

James O. Mason, M.D., Dr.P.H.  
Executive Director  
801-533-6111

May 4, 1982  
533-6146

Kerry A. Frame  
Chief Engineer  
Southern Utah Fuel Company  
P.O. Box P  
Salina, Utah 84654

RE: Mine Water Treatment

Dear Kerry:

I have reviewed the plans and information submitted March 12, 1982. There is insufficient detail to determine if this proposed mine water treatment system will comply with State design requirements. Therefore please submit the following information for review and approval:

1. A diagram and construction details of the underground dams.
2. Relative elevation of the final sump bottom, pump intake, and operational water levels.
3. Volume of sump available for settling of solids.
4. Estimated discharge quality and volume.
5. Design detail of method to prevent discharge of oil and other floating debris.

Please call me at 533-6146 if you have any questions regarding this request.

Sincerely,

Steven McNeal  
Public Health Engineer  
Utah Water Pollution Control

SM:ddr

cc: Sally Kefer - Oil, Gas and Mining  
Six County AOG  
Central Utah District Health Department - Richfield

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