

0026



1407 West North Temple  
P.O. Box 899  
Salt Lake City, Utah 84110

letter only → O.R. Nielson  
Mine File  
D.W. Heiberg

RECEIVED  
MAY 16 1986

DIVISION OF  
OIL, GAS & MINING

May 16, 1986

ACT/015/018

Ms. Dianne Nielson, Director  
State of Utah  
Department of Natural Resources  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 400  
Salt Lake City, Utah 84180-1204

Dear Ms. Nielson:

Please accept this letter and attachments which constitutes a submittal for the abatement of NOV 86-4-3-3.

Division inspector #4 has requested that complete and adequate plans be submitted for drainage control along a segment of road known as Deer Creek Mine's fan access road. Inspector #4 states non-compliance with UMC 817.163 which is a Class II road.

Mine operator has requested an informal conference to air any differences of interpretation. However, to meet the abatement we have submitted detailed drawings and calculations which shows the drainage and storm runoffs values are well within the existing culvert capacities to conduit surface waters from a 10-year 24-hour storm event.

We question the appropriateness of this action especially when this access road, as part of surface facilities, has undergone two regulatory reviews involving both state and federal staffs prior to the permit issuance only a few months ago.

If you have any questions please call me.

Sincerely,  
*C. E. Shingleton*

C. E. Shingleton  
Director of Permitting,  
Compliance & Services  
Mining Division

FILE COPY

CES:bb:5380  
Enclosure  
cc: Larry Guymon/Val Payne  
Ralph Jerman

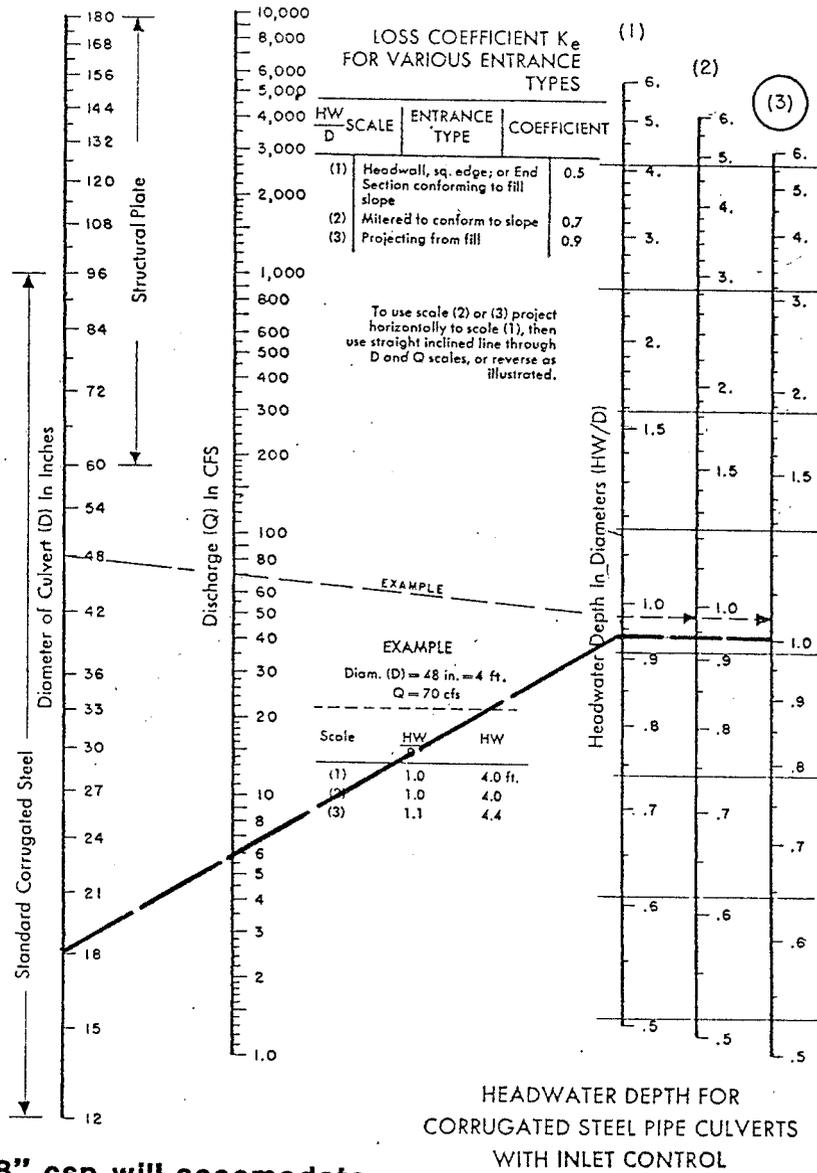
PROJECT : UP&L JUN #2 Deer Creek Coal Mine Fa Area

AREA= 4.0 ACRES  
 AVERAGE BASIN SLOPE= 50.0 PERCENT  
 CURVE NUMBER= 85.  
 DESIGN STORM= 2.25 INCHES  
 STORM DURATION= 24.0 HOURS  
 HYDRAULIC LENGTH= 500. FEET  
 MINIMUM INFILTRATION RATE= .00 IN/HR

TP= .0243 HOURS QPCFS= 124.42 CFS QPIN=30.8458 INCHES  
 C3=152.0391 ITERATIONS= 8 SCS 24-hour

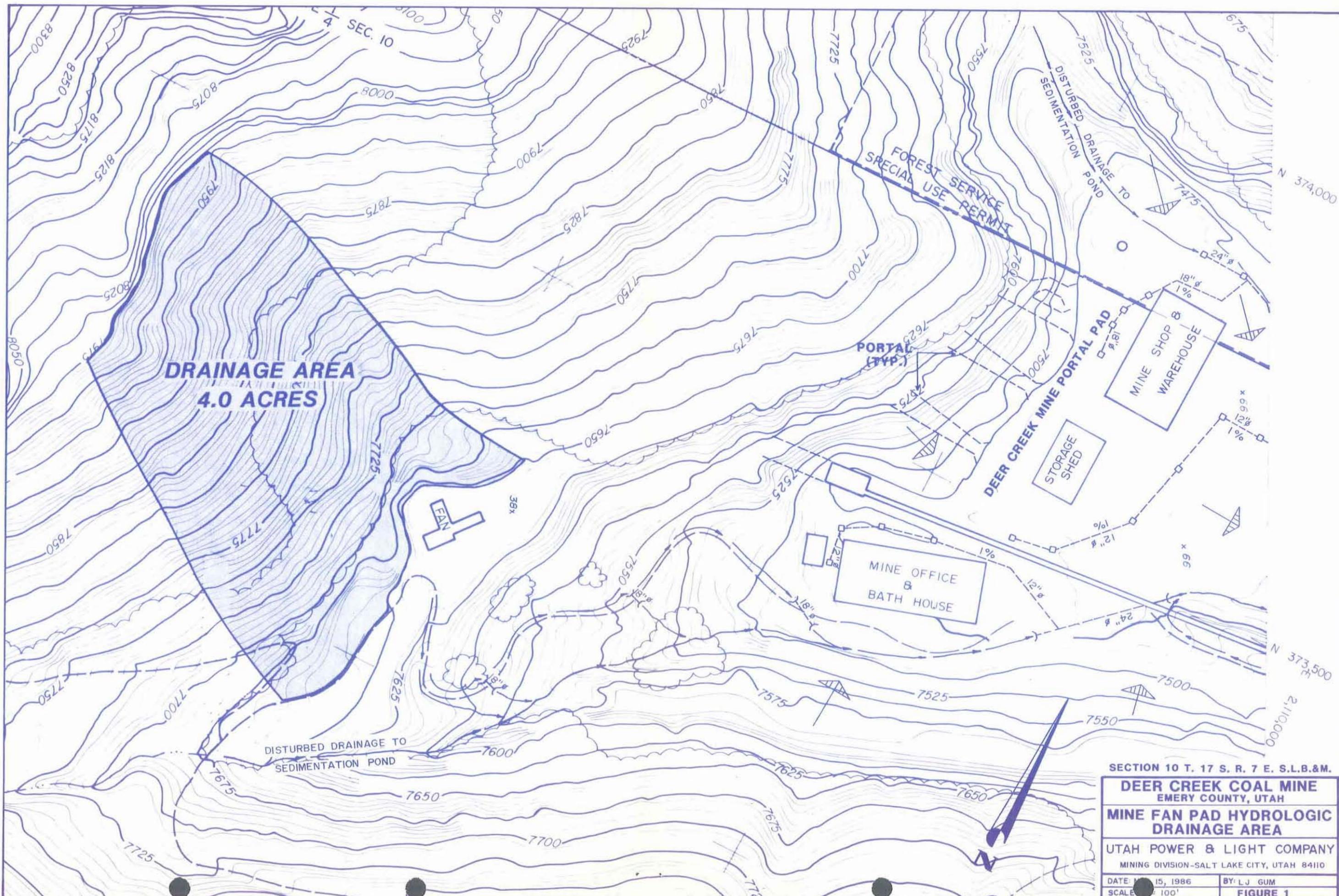
TIME HOURS	ACCUMULATED RAINFALL INCHES	RUNOFF INCHES	RAINFALL EXCESS INCHES	UNIT HYDROGRAPH CFS	OUTFLOW HYDROGRAPH CFS
9.30	.3524	.0000	.0000	.0	.00
9.31	.3534	.0000	.0000	82.7	.00
9.33	.3545	.0000	.0000	116.5	.00
9.34	.3555	.0000	.0000	56.6	.00
9.36	.3566	.0000	.0000	17.8	.00
9.37	.3576	.0000	.0000	4.4	.00
9.39	.3587	.0000	.0000	.9	.00
9.40	.3597	.0000	.0000	.2	.00
9.42	.3608	.0000	.0000	.0	.00
11.90	1.3189	.3417	.0144	.0	3.97
11.91	1.3438	.3563	.0146	.0	4.03
11.93	1.3688	.3711	.0148	.0	4.08
11.94	1.3938	.3861	.0150	.0	4.13
11.96	1.4187	.4013	.0152	.0	4.18
11.97	1.4437	.4167	.0153	.0	4.23
11.99	1.4687	.4322	.0155	.0	4.28
12.00	1.4921	.4469	.0147	.0	4.25
12.02	1.4968	.4499	.0030	.0	3.20
12.03	1.5016	.4529	.0030	.0	1.79
12.04	1.5063	.4559	.0030	.0	1.11
12.06	1.5110	.4589	.0030	.0	.90
12.07	1.5158	.4619	.0030	.0	.85

HYDROGRAPH PEAK= 4.28 cfs  
 TIME TO PEAK= 11.99 Hours  
 RUNOFF VOLUME= .33 Acre-Feet



**18" csp will accommodate approximately 6.0 cfs**

Fig. 4-18. Inlet control nomograph for corrugated steel pipe culverts. The manufacturers recommend keeping  $HW/D$  to a maximum of 1.5 and preferably to no more than 1.0.



**DRAINAGE AREA  
4.0 ACRES**

FOREST SERVICE  
SPECIAL USE PERMIT

DEER CREEK MINE PORTAL PAD

MINE SHOP &  
WAREHOUSE

STORAGE SHED

MINE OFFICE  
&  
BATH HOUSE

FAN

DISTURBED DRAINAGE TO  
SEDIMENTATION POND

SECTION 10 T. 17 S. R. 7 E. S.L.B.&M.

**DEER CREEK COAL MINE  
EMERY COUNTY, UTAH  
MINE FAN PAD HYDROLOGIC  
DRAINAGE AREA**

UTAH POWER & LIGHT COMPANY  
MINING DIVISION-SALT LAKE CITY, UTAH 84110

DATE: 15, 1986	BY: L.J. GUM
SCALE: 100'	FIGURE 1