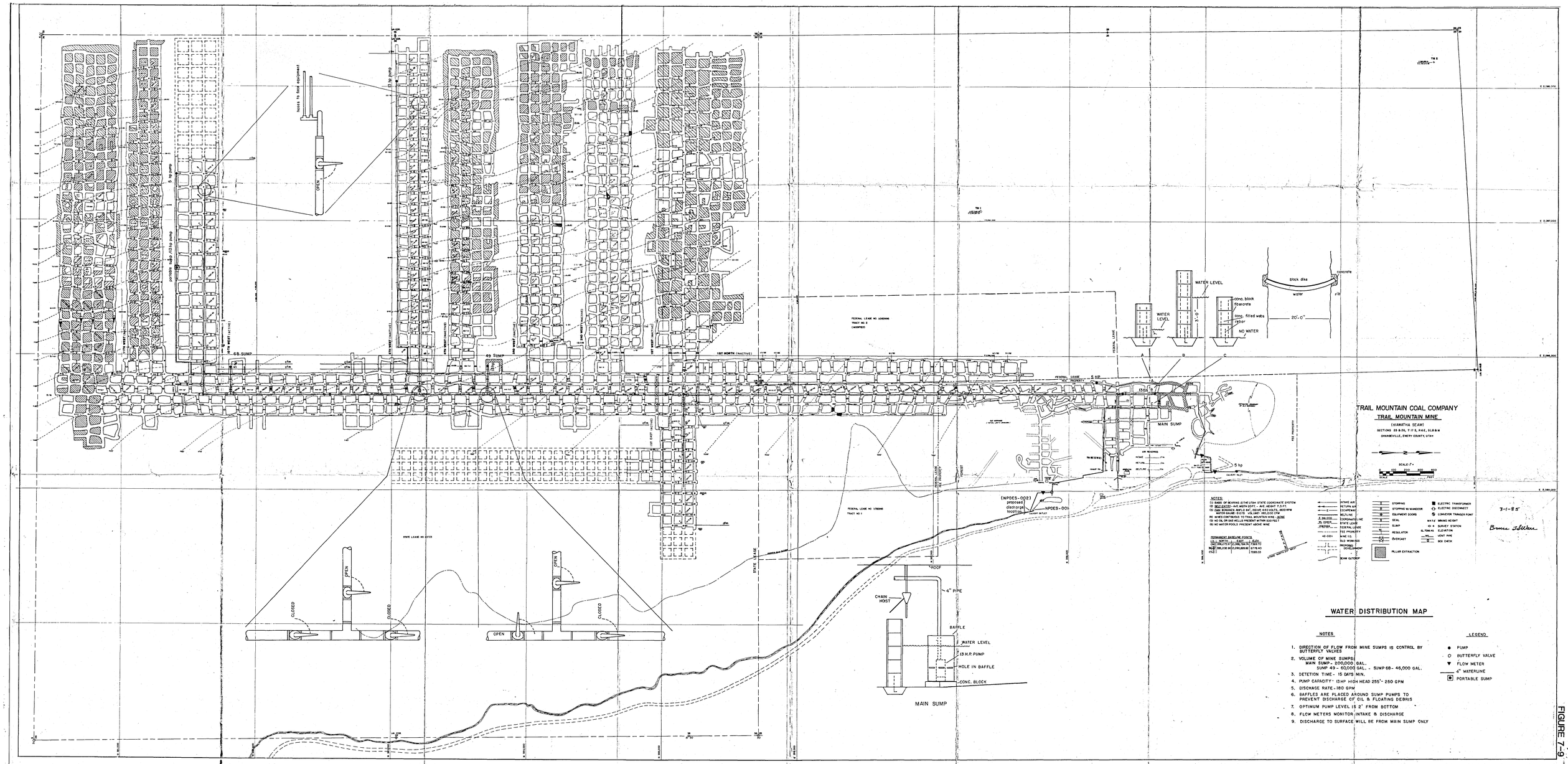
TRAIL MOUNTAIN COAL COMPANY
TRAIL MOUNTAIN MINE
(HIAWATHA SEAM)
SECTIONS 25 & 26, T 17 S, R 6 E, SL B & M
ORANGEVILLE, EMERY COUNTY, UTAH
SCALE: 1" = 0 100 200 300 400 SCALE FEET
3-1-85
WATER DISTRIBUTION MAP
NOTES
1. DIRECTION OF FLOW FROM MINE SUMPS IS CONTROL BY BUTTERFLY VALVES
2. VOLUME OF MINE SUMPS:
MAIN SUMP - 200,000 GAL.
SUMP 49 - 60,000 GAL. - SUMP 68 - 46,000 GAL.
3. DETETION TIME - 15 DAYS MIN.
4. PUMP CAPACITY - 13 HP HIGH HEAD 255' - 250 GPM
5. DISCHAGE RATE - 180 GPM
6. BAFFLES ARE PLACED AROUND SUMP PUMPS TO PREVENT DISCHARGE OF OIL & FLOATING DEBRIS
7. OPTIMUM PUMP LEVEL IS 2' FROM BOTTOM
8. FLOW METERS MONITOR INTAKE & DISCHARGE
9. DISCHARGE TO SURFACE WILL BE FROM MAIN SUMP ONLY
LEGEND
PUMP
BUTTERFLY VALVE
FLOW METER
4" WATERLINE
PORTABLE SUMP
MAIN SUMP
WATER LEVEL
13 H.P. PUMP
HOLE IN BAFFLE
CONC. BLOCK
BAFFLE
CHAIN HOIST
4" PIPE
ROOF
OPEN
CLOSED
68 SUMP
49 SUMP
1ST NORTH (INACTIVE)
FEDERAL LEASE
FEE PROPERTY
STATE LEASE
FOREST
(NPDES-002) proposed discharge location
NPDES-001
block dike
concrete
water
rib
conc. block
fibercrete
conc. filled webs
rebar
NO WATER
20'-0"
3'-0"
5 hp
STORPING
STOPPING W/ MANDOOR
EQUIPMENT DOORS
SEAL
SUMP
REGULATOR
OVERCAST
PILLAR EXTRACTION
ELECTRIC TRANSFORMER
ELECTRIC DISCONNECT
CONVEYOR TRANSFER POINT
MINING HEIGHT
SURVEY STATION
ELEVATION
VENT PIPE
BOX CHECK
NOTES:
(1) BASIS OF BEARING IS THE UTAH STATE COORDINATE SYSTEM
(2) MINE ENTRY - AVE. WIDTH 20 FT. - AVE. HEIGHT 7.5 FT.
(3) FAN SCHWARZ AMPLE 84", DRIVE 440 VOLTS, 1800 RPM
WATER GAUGE: 0.075 VOLUME: 180,000 CFM
(4) MINES CONTINUOUS TO TRAIL MOUNTAIN MINE - NONE
(5) NO OIL OR GAS WELLS PRESENT WITHIN 500 FEET
(6) NO WATER POOLS PRESENT ABOVE MINE
PERMANENT BASELINE POINTS
NORTH
EAST
E.W.
CHAIN HOIST
BAFFLE
WATER LEVEL
13 H.P. PUMP
HOLE IN BAFFLE
CONC. BLOCK
MAIN SUMP

FIGURE 7-9