From station E20 N20

To South Pillar

Pt. 1  W. corner south pillar  56.7'  15° 25' W. of N.
Pt. 2  S. corner south pillar  54.6'  14° 10' W. of N.
Pt. 3  E. corner south pillar  55.8'  12° 0' W. of N.

To North Pillar

Pt. 4  W. corner north pillar  63.5'  3° 0' W. of N.
Pt. 5  S. corner  64.4'  1° 30' W. of N.
Pt. 6  E. corner  66.4'  0° 5' E. of N.

Trench line - along N30° (E20 N30 to E40 N30)

From station E60 N30

Pt. 1 on edge of macadam 51.5'  
Pt. 2  center of telephone pole  40.3'  25° 50' S. of E.
Pt. 3  on edge of macadam 61.5'  26° 45' N. of E.
Pt. 4  on edge of macadam 71.8'  44° 55' S. of E.

(Stations and points marked on diagram)
Station 3  E20N40

Pt. 1  outside (SW) corner F1  9.5'
Pt. 2  outside (SE) corner F1  21.6'
Pt. 3  outside (NE) corner F1  30.0'
Pt. 4  inside (NW) corner F1  21.4'

Station 4  E60N70

Pt. 1  edge of exposure of rocks on dam  59.0'  31°10' E.of N.
Pt. 2  edge of exposure of rocks on dam  38.7'  9°30' E.of N.
Pt. 3  pin on corner of breach into dam  22.5'  5°15' W.of N.
Pt. 4  approx pt. of dam (bottom of drop)  29.0'  33°45' W.of N.
Pt. 5  pt of macadam of E96  65.0'
on N90 line
Pt. 6  pt on macadam of E96  85.0'  6°20' E.of N
(to NW)
Station 5 EON80
Pt. 1 SE end of rock exposure
Auburn Dam 57.0' 16°20' E of N. Pt. 1
Pt. 2 NW end of rock exposure
Auburn Dam 70.7' 3°0' W of N.

Location of west edge of site (E. edge drainage ditch)
4/15/81

Location of backhoe trench south of drainage ditch:
E10 line from S155 to S145

Location of backhoe trench(s) behind dam (1 to dam):
corner of one on E20 line at top of dam (at face of dam)

Location of E10 backhoe trench at S. of site:
N15 line from W10 to E20

Station 1 E20N20
Pt. 1 inside corner (NE) at 76.0' 3°30' W. of N.
Pt. 2 S. stone of drain exposed in 53.8' 30°15' W. of N.
Pt. 3 N. stone of drain ditto 52.8' 27°50' W. of N.
4/22/81

Location of profile of backhoe trench thru dam

Sta. 1 E0 N110° H.I. 8.05' AD

<table>
<thead>
<tr>
<th>#</th>
<th>Desc</th>
<th>Dist.</th>
<th>E. of N.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pt. 1</td>
<td>SW corner trench</td>
<td>21'9&quot;</td>
<td>23° 30'</td>
</tr>
<tr>
<td>Pt. 2</td>
<td>middle of trench, W. side at bend</td>
<td>57'6&quot;</td>
<td>31° 30'</td>
</tr>
<tr>
<td>Pt. 3</td>
<td>NW corner trench</td>
<td>91'0&quot;</td>
<td>35° 10'</td>
</tr>
</tbody>
</table>

Pt. 4 elev. of grade line 3.60' B.H. = 4.45' AD
4/21/81  Elevations
Station 1: undetermined  H.I.  6.20' AD
Pt. 1  on tree trunk at nail  1.07' BHT = 5.13' AD (near N10 W10)
Pt. 2  on tallest tree trunk  1.95' BHT = 4.25' AD
  N side
Pt. 3  on thin tree at W  0.99' AHT = 7.19' AD
  side of site

4/22/81  1979 N30 E15
Pt. 1  on stone wall  (F6)  2.63' BD
Pt. 2  on red clay "floor"  2.91' BD
  to west of wall
Pt. 3  on clay below slag  3.34' BD
  to east of wall
Pt. 4  on charcoal below  2.59' BD
  "forge scale" in
  S.E. corner (actually in N30 backhoe trench)

4/23/81  N30 E15
Station 1: undetermined  H.I.  3.57' AD
Pt. 1  top of slag level (C)  5.73' BHT = 2.16' BD
Pt. 2  surface level north of  4.85' BHT = 1.28' BD
  N30 E15
Pt. 3  elev. point on iron  3.29' BHT = 0.28' AD = 3½' AD stake
Elevations

9/23/81  N30 E15  (cont.)
Pt. 4  top of clay above  slag (B)  1.30' AD
Pt. 5  high pt. on clay below  2.05' AD
      slag (E)
Pt. 6  low pt. on clay below  2.47' AD
      slag (E)

4/24/81
Pt. 1  bottom depth of layer D in  2.08' AD
      N110 W30
Pt. 2  top of greenish-gray clay w/ "hammer scale" in N30 trench  1.80' BD
      (taken from profile)
5/15/81

Elevations

Sta. 1. arbitrary
H.I. 7.19' AD

Pt. 1 pt. on S. side
ballast tree stump
Pt. 2 pt. on top
of short stump at
SE corner of N70W10
Pt. 3 pt. on side of
tree behind backfence
pile to W. of N70W10
Pt. 4 pt. on iron rod
driven into rear race
to W of N70W5 —
elevation taken on 4th
notch from top.

2.67' B.H.I. = 4.52' AD = 4' 6" AD

4.75' B.H.I. = 2.49' AD = 2' 5/8" AD

1.885' B.H.I. = 5.305' AD = 5' 9" AD

6.12' B.H.I. = 1.07' AD = 1' 1" AD

X Pt. 4
5/27

Sta. 1  arbitrary  H.I.  3.08' AD
Pt. 1  new elevation on pole in N 30° E 25° 1' 11/2'' BD  4.21' B.H.I.  =  1.13' BD
Pt. 2  elev. on pole next to N 60° E 55° 1'' BD  =  3.155' B.H.I.  =  0.75' BD
   3rd notch from bottom
**Notes**

**Condition of Site**

Some soil erosion
Vegetation
Filter cloth in good condition
Very wet

**Activities**

Found datum and established grid (Δ W/Bench)
Cleared some vegetation
Laid out 1 trench (E-W) - N30 E15' to N30 E70
Mapped in road, dam, ditch, pillars, F-1 corners
New grid about 6" off old grid
Began drawing map

**Plans**

Dead trees to be moved this week
Backhoe will be on site Monday at 10:00
Pillars will be removed
Called Ed Fessar (Frederick)
Begin intensive excavation near N110 W35' (due to presence of brick)
Will have crew take filter paper off F-1 and F-4
Begin on trenches
Still believe "drain" feature may post-date structure
Need to prepare equipment list for Monday.
WEDNESDAY

Shoot in station south of drainage ditch and set up trench
lay out 2 trenches through dam
lay out 1 trench along N15 line
uncover part of feature 4 and map