1.09

SCHOOLTIME
Compositions

Name A.D by K.D.

School

Grade

32

9¾ in. x 7½ in. 100 Leaves

Roaring Spring Blank Book Co. Roaring Spring, Pa. - 16673

CLASS PROGRAM

Date ____ | ____ | ____

Family Name _____ Given Name _____ Class _____ Room _____

	MON.	RM.	TUES.	RM.	WED.	RM.	THURS.	RM.	FRI.	RM.
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

NAME_____ **ADDRESS**_____

(A.O. by K.O.)

Field Notes.

Catoctin Furnace Archaeological Mitigation Project

K.G. Orr

Earlier Field Notes in Red Book F06

Aug. 2, 1979, Thursday.

530 a.m 1. Get CO2 Example of Invoice Back from Alex Townsend. Townsend hiring

2. Set up time sheets for July, August. O.K

✓ 3. Backhoe at Check 3 today. Tomorrow? No Bushing needs changing

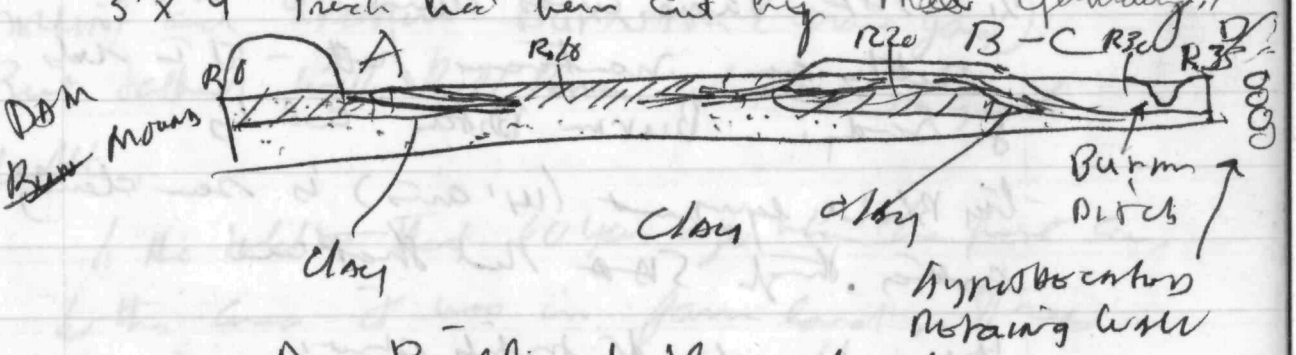
4 Get Profiles of Backhoe Trenches, Check 4. Need Trench

✓ Designations, I, II, III O.K. Did #1

5. Check Krolak on eligibility of Houghton. — called him from Renner charged to this phone.

Roadway.

F.3 / today I worked with Jerry and Ozzie on Backhoe trench I at entrance of Dam. A 32' x 3' x 4' trench had been cut by Mel Yesterday.



A - Building of Dam Lumber.

(1) Layer of tailing from Cinder midden — put on good find after scraping it of Burns

(2) Put Dun colored — loam on top —

(3) 8" Burns grows on this thing

Subsoil SOME

(4) Dig out subsoil somewhat —

B. – C Race way and maintenance path.

This was put into the Dam about 20-30 feet apparently at end of Dam (or beginning).

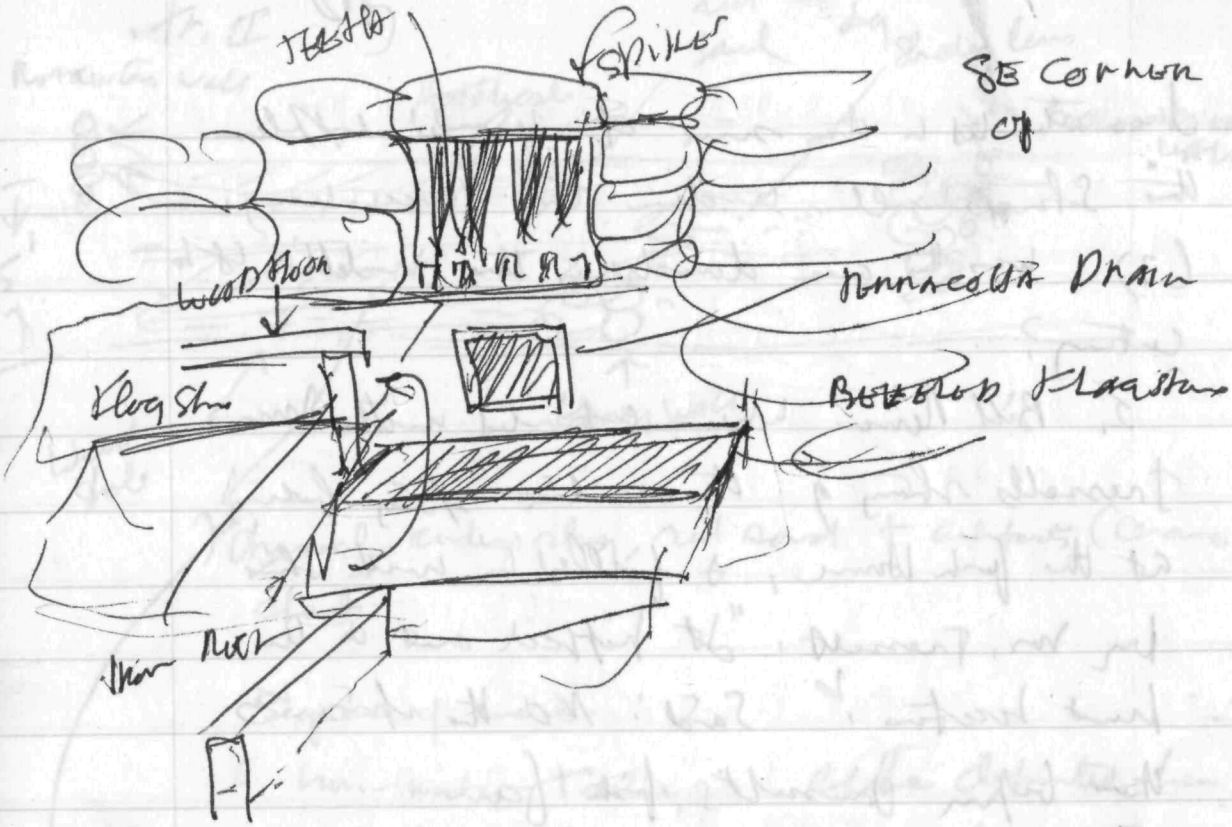
It is marked by a layer of dark stuff over which clay is put, to clay the basal lining of the dam? to keep water in? Race way is marked by 8-10" wide basin of a race way. Masonry walls stones not seen but cut back my reveal them

D. SHA takes cores down & a bit settles over maintenance path – it is reds & sandy. Burm Ditch cut by big Blacked equipment (14' axis) is seen clearly cutting through SHA Red Strat cum

If have time do N profile above

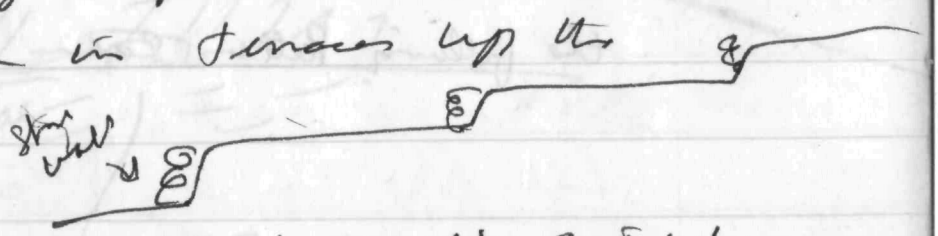
Check 1, Tentative 2, Butt home –

Rita came on a wooden floor underlying the flagstone floor of the fraction. Was found as depression in floor & drain was by plowed,



Talk with Bill Remer, I went up to check the New Thomas excavating teams under Glen Mellin (Anandian site) and Sharon Burnston (grave yard). But talked with Bill Remer who is in good feeble.

I he told me that 60 years ago when he first came to this area it was in farm land. Trees had been gone for some time. Farmers grew corn in terraces up the mountain.



The terraces had retaining wall like Tribal farms in Northern Luzon.

I was interested in this since it would explain the Stone wall under the Race-way (3). Was the area denuded in the middle 18th century?

2. Bill Renner when confronted with Mrs. Tressells story of the earlier spring being at the fish House, & filled in with Stone by Mr. Tressell. "It popped out in the present location." Said: No the spring was there before Crusselt's fish farm.

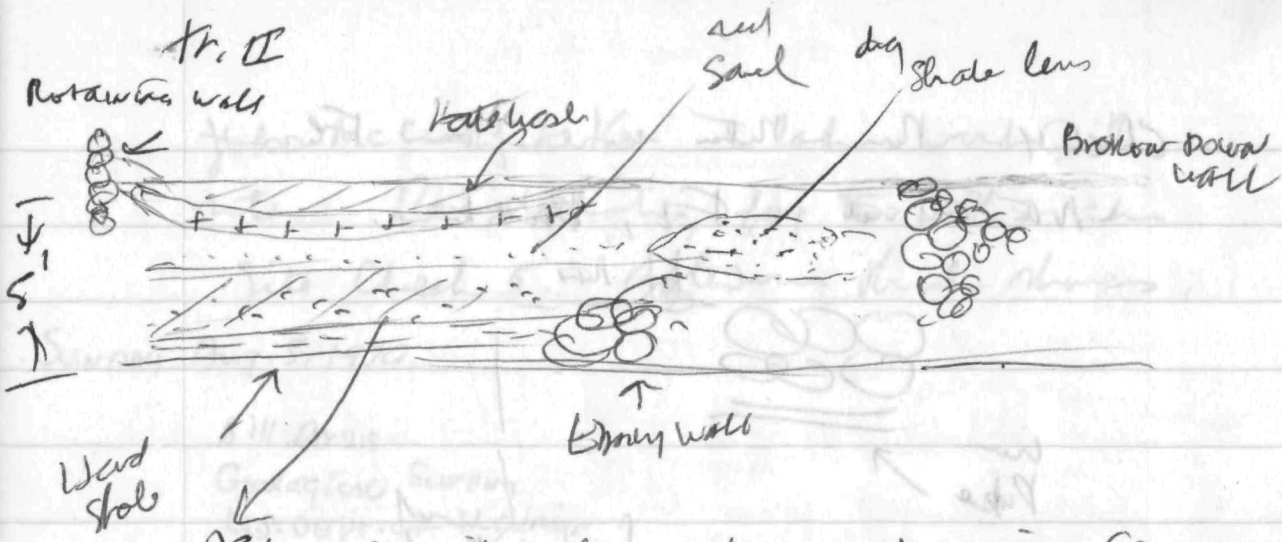
3. He never heard of a Spring house — believes the stone and the spring is acceptable to widening of spring.

Aug 3, 1979. Friday.

Ch. 17 today I worked a crew of 5 men led by Roy who was punch-butting for Jerry. We Shoved down and further explored the Bookhouse Trenches II & III

the following Patterns seem to be emerging:

Tr. II



Charcoal, cinders slag, red sand + artifacts (Ceramic shards

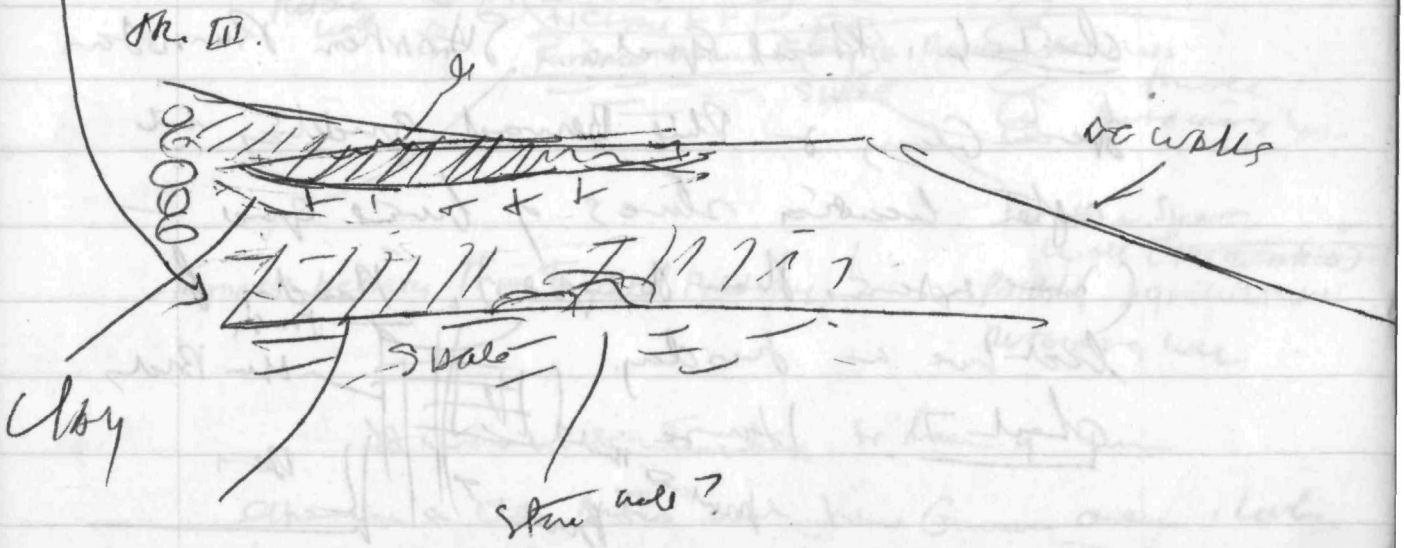
Sequence of events.

1. Iron-working tailings either deposited here from early period or put here over shale

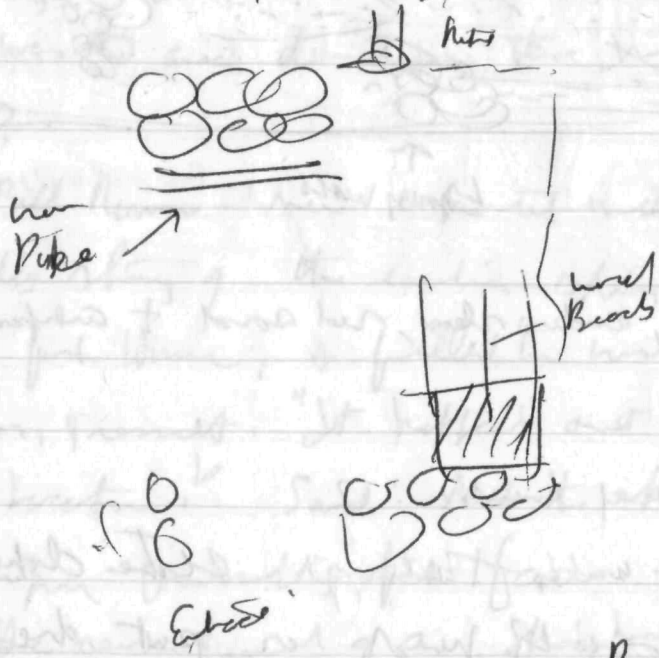
2. Build up to Grey green clay

3. Retaining wall.

Tr. III.



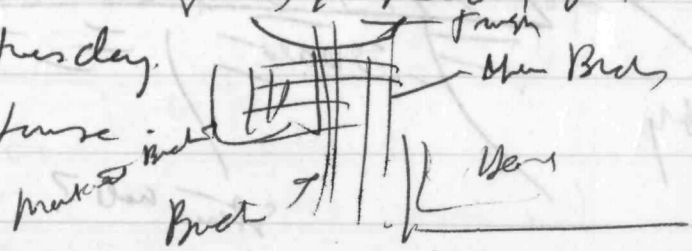
Check 4. Rum & Nitra worked on Floor & NE outside of F1, Bathhouse.



Check 5. Glen Mellis finding bi-face (Point of projectile) & several Rhyolite flakes near garden

Check 6. Burial Grid - Shannon Burnston Spencer Geary & Phil Bernard gridding site after locating stones of burial grid (more extensive than thought.), Ready for back hoe on Tuesday.

Check 7. House



John McCarthy & Ken — lab working this site. Rain destroying for this site & also Site Check 5. Afternoon thunder showers,

Sunday Aug. 5, 1979.

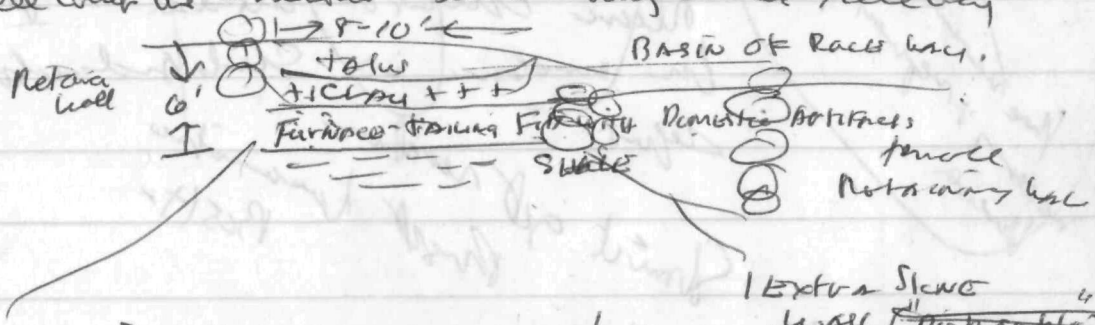
Bill Davis
Geological Survey
U.S. Dept. of Interior
Reston Va. 22092

8.3.79

Dear Bill.

I was most grateful for the 2 copies of Catoctin Furnace quad, the used (but cherished) GS notebook and information re. the furnace ethnography of the

I ~~was~~ also appreciated of your good advice given last Monday. The Bookhouse cut no 3 ditches all with the essential Same story on the receiving



It was most interesting to hear of your experience in the Britain and New Guinea area. Look forward to next time. Sincerely.

CFM

From K.G. Orr / Project Director

To: Ron Thomas

Thru: ~~Glen Mellin~~ Cys. / Shadron Burston, John McCarty.

Subject: Request for comments addender to CF - Advisory Panel 1st meeting July 30th 1979 on your assigned sites. / for proceeding to State Archaeologist Sponsorship ~~Part Phase~~ as follows

I am ~~adding~~ recommending ~~that~~:

Check of (3) (3) Your contract does not cover beatrices ~~activities~~ outside the area of construction defined as the right of way. ~~Suggest~~ ~~[illegible]~~ Should the State Archaeologist recommend additional to SHA that time be allotted for this additional activity ~~[illegible]~~ outside right of way?

Please comment on attached draft for enclosure in State Archaeologist's report.

Should get reactions Project Locomotive BCSH.

Please recommendation appear necessary & required however

3) Voucher to July 31, 1979.

31% of time as Project director @ 18.75/hr

69% of time as Site Supervisor consultants tech @ 15.68/hr

M Jul. 9. Worked on Research Design as project Director 18.75

T Jul 10 " "

W Jul " " "

Th. Jl. 12 " "

Friday Jul 13 took research Design to Kulch. "

Sat 14 Transp. to Bell.

Sun 15 Transp to Fredericking, Transportation

Mon Jul 16 Transp. F'ling to Thurmont "

Jul 17 Clean vegetation, set up lab 69-31

Jul 18 "

Jul 19 "

Jul 20 "

Sat 21 "

Sun 22 "

Mon 23

Tues 24

Wed 25

Thu 26

Fri 27

Sat 28 Transp. ~~F'ling~~ to Thurmont to F'ling

Sun Sun T.

Trans F'ling to Thurmont.

Mon Jul. 30 69-31

Tues 31 69-31

Aug Aug 1

18.75
29
16875
3750
543.75

15.68
59
14112
7840
925.12

18.75
48
15000
7500
900.00

900.00
543.75
925.12
2368.87

Chris. A.2
Fred Aug 3.
Sat Aug 4
Sun Aug 5

Consultant team.

Consultant Andaubright/

INVOICE PERIOD 7/9/79 – 7/31/78.

Kenneth S. Ohr, Project Director (18.75) and Site Supervisor (15.68)

Services

7/9, 7/10, 7/11, 7/12, 7/13, 7/16

48 hrs. @ 18.75/hr.

18.75
48
0

88
29
59

11
8
88

~~7/17~~ Project director 31% of time, ~~Project Dir~~ Site Supervisor 69% of time.

7/17, 7/18, 7/19, 7/20, 7/23, 7/24, 7/25, 7/26

7/27, 7/30, 7/31 — 88 HRS,

29 hrs @ 18.75/hr.

59 hrs @ 15.68/hr.

88
29
9

90
39
2700
31
81

3)90

31)90

28.4

31)88.00.
62
260
248
120

29
31
29
87
899

Lodging 7/9–7/12, 7/16–7/19, 7/23–7/26, 7/30–7/31 @ Lab Project not charge to SHA 115 w main st.

Food.	7/9	Food allowance.	12
	7/10	"	12
	7/11	"	12
	7/12	"	12
	7/13	"	6
~~Lodging~~	7/16	"	12
	7/17	"	12
	7/18		12
	7/19		12
	7/20		6

12
4
48.

Fund advance outstand

7/23 — 12
7/24 — 12
7/25 — 12
7/26 — 12
7/27 — 6
7/30 — 12
7/31 — 12

48
3
144
36
180

14
12
28
14
168

17
12
34
17
204
18
186

1
88
48
136

204
18
186

186

U.S. Route 15
Cofactor Tower
A. M. R. F. etc.
Consultants' team

Dear Mr. Campanesch.

Enclosed please find an invoice for expenditures ~~Prepaid of Progress~~ on ~~of~~ above captioned subject for the Consultant's team, and report of progress of the project director for the period July 9, ~~[illegible]~~ - July 31, 1979. Invoices for team A (Mobile Assistants, Inc.) and team B (Mid-atlantic Archaeo-research) are submitted each separately with their specific detailed reports of progress for this

168
18
186

4
48
6
48
6
48
6
24
186

Transportation

7/13 to ~~Fiberg~~ Baltimore
7/16 Return to Thurmont
7/20 to Fiberg
7/23 Fiberg to Thurmont
7/27 to Fiberg

7/9
7/13 Thurmont to Baltimore
7/13 Balt. to Alexandria
7/14 Alexandria to Fiberg
7/16 Fiberg to Thurmont
7/20 Thurmont to Fiberg
7/23 Fiberg to Thurmont

7/13 to Baltimore
7/13 ~~to Fiberg~~ Balt. to Alexandria
7/16 Alexandria to Fiberg
7/27 Thurmont to Fiberg
7/30 Fiberg to Thurmont

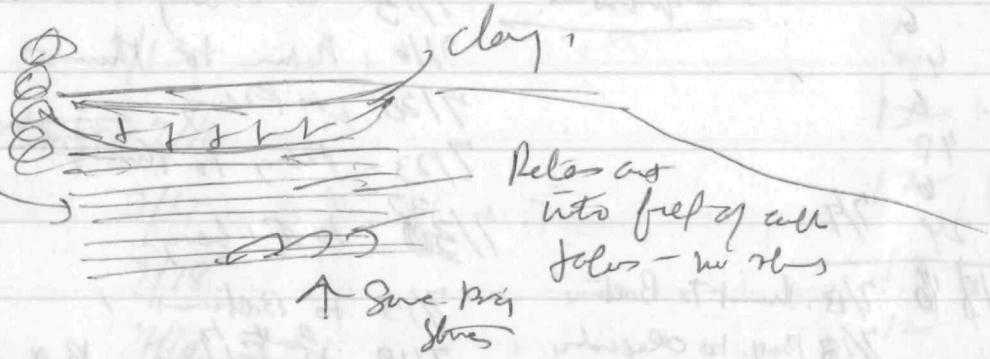
Aug 6 '79, Monday.

Check 17. Jenny, Danny, Ozzie & Self worked on Trenches II & III

Trench II.

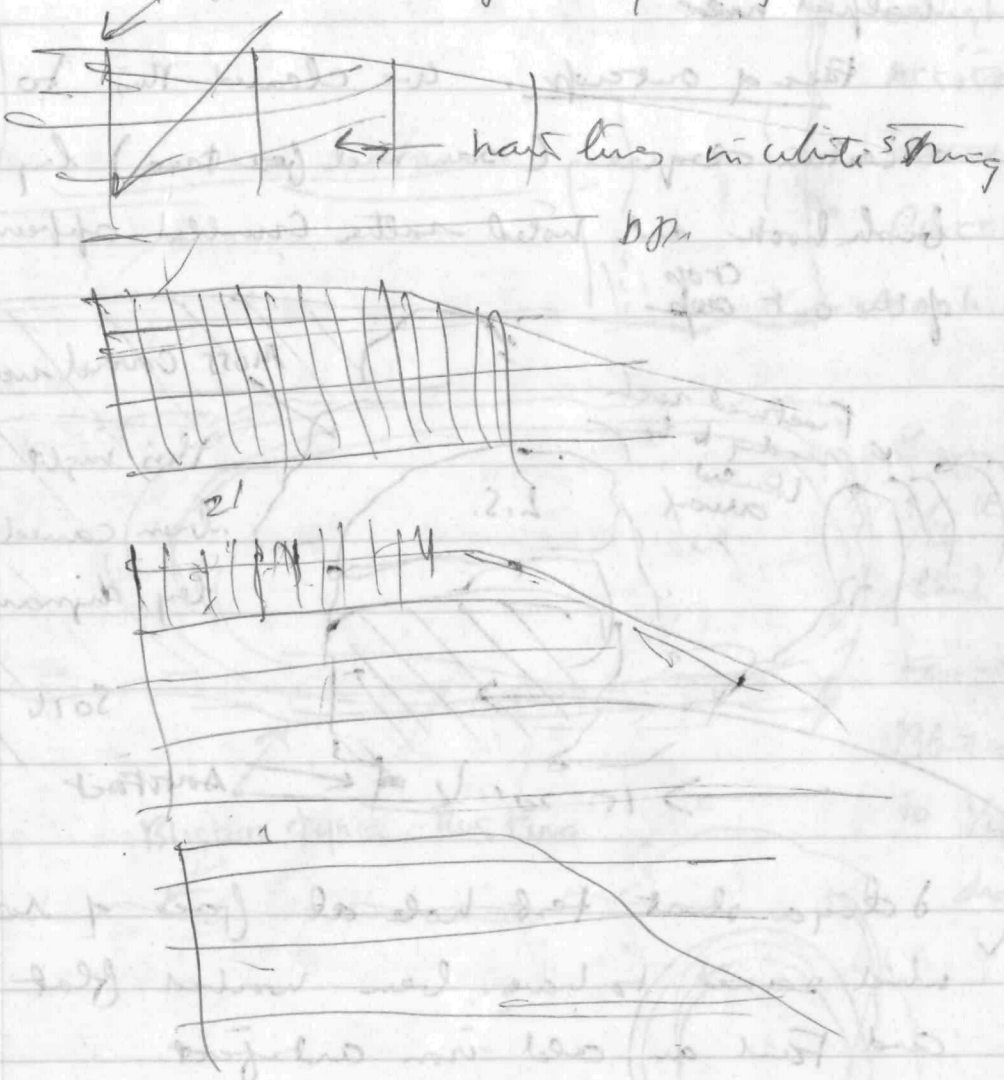
This area very complex with layers of clay-earth interbedded with sand layers (natural) & thick sand from furnaces. Furnace layers had charcoal, iron rocks etc, small rather delicate ~~[illegible]~~ furnace glass and other slag

Trench III



need to work out system for making decent graph

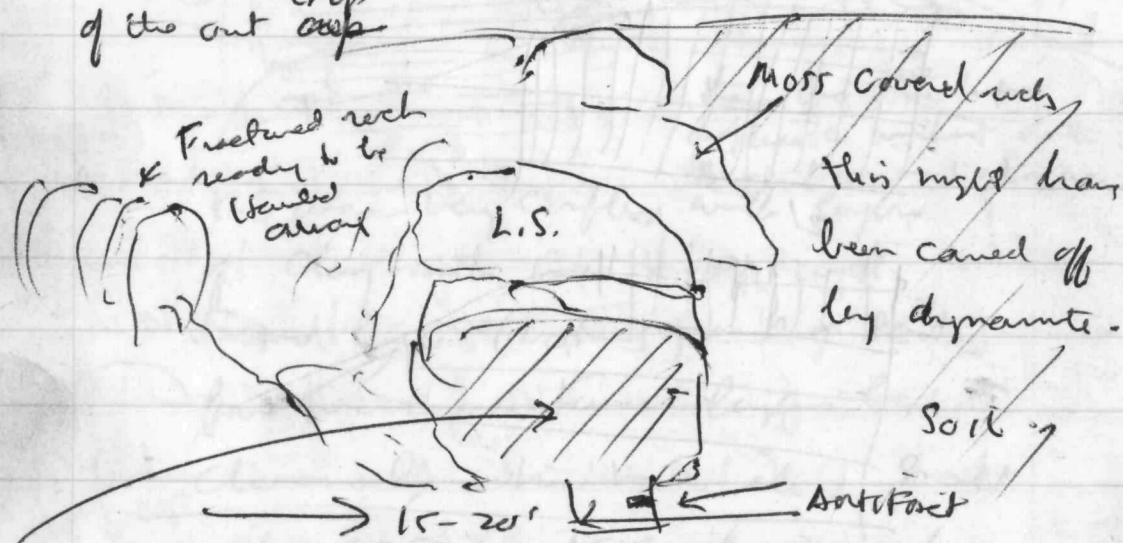
should be sketched with contents



CK.9

Aug 7, 79. Tuesday. Check 9. this morning we started on check 9, limestone quarry. Don and Aggie helped ~~me~~.

Face of outcrop. We cleared this to a certain degree (saw need for tree) by bush hook and noted rather crumbled appearance of the out ~~crop~~ crop

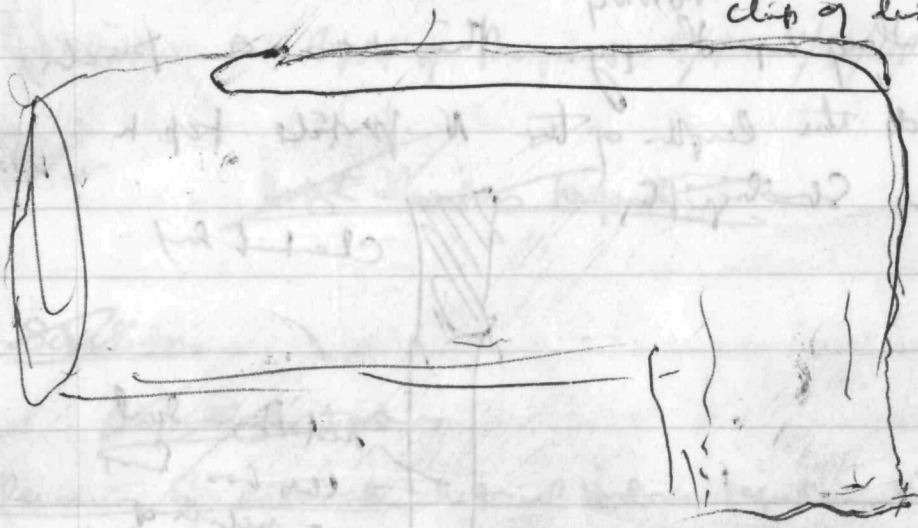


I dug a short test hole at face of rock which seemed to have been worked flat and found an old iron artifact some 10' below the surface. Looks like a piece of a machine.

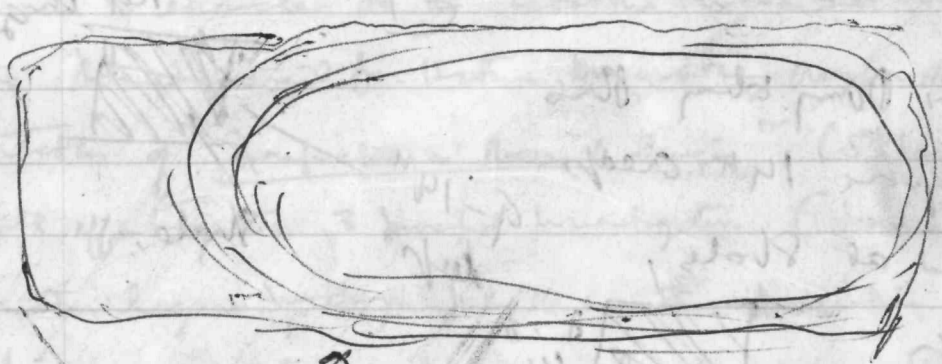
CK 9

Test 3.

Earth in artifact contacted clip of limestone.

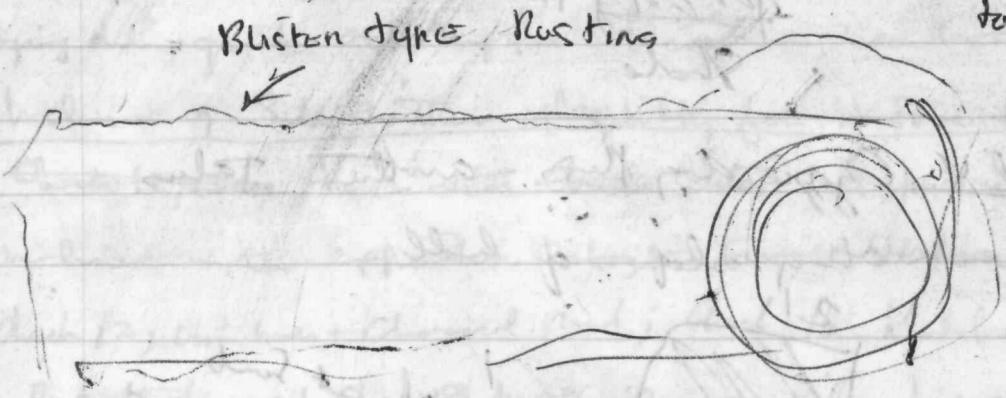


Wrought iron artifact ~~from~~ a piece of machinery



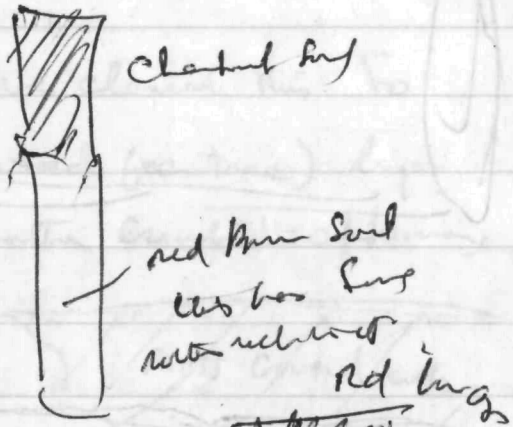
the rust is about 1/16th inch thick with formation of blisters up to 1/4" in diameter

Blister type Rusting

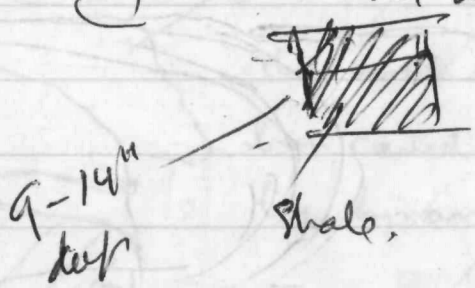


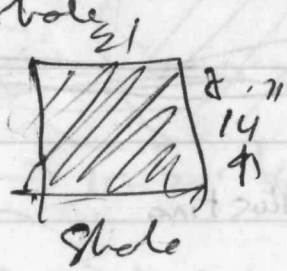
CK 9

Test 2. Dug by Donny. This was a trench 2' wide the length of the N profile top to bottom stratigraphy

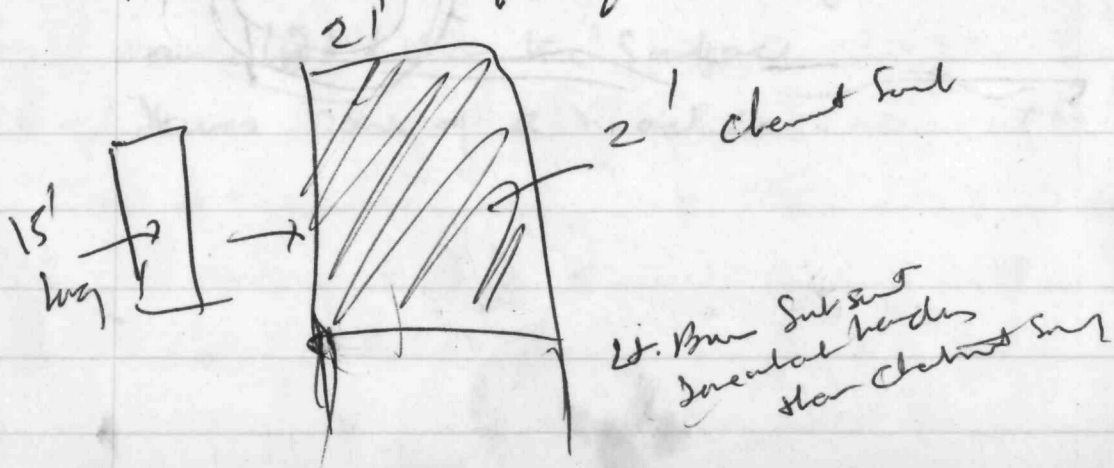


Test 3. Donny dug this 2' square 14" deep. Stopped at Shale layer





Test 4. Ozzie dug this another takes trench along slope of hill.



Report of Progress 7/9 – 7/31/79.

~~Report Directors Report~~

~~Schedule~~

~~Consultants Teams~~

Permission to excavate National Historic Register Sites.

Permission to excavate at the Catoctin Furnace Site was granted by the Advisory Council for Historic Preservation Wash. D.C. on presentation of "Specification & Research Designs" (53 pages, 12 maps) a joint effort of the 3 principal investigators (Townsend, Thomas, Ann). Excavation began Monday, July 16. The preceding week of July 9th. preliminary activities including clearing sites of vegetation, laying down grids and surface observations was undertaken.

Inclusion of Sites within eligibility for Historic Register.

~~Check 12, Iron~~ Three ~~sites~~ ~~Checks~~ sites not previously included in the expanded Catoctin Furnace Historic District (Check 12, Iron Mines & Charcoal Road; Check 16 Kimbal Ore Mine & R.R. Tracks, and Check 18, Tinsmith Quarry & Kiln) were ~~included~~ assigned a determination of eligibility for inclusions within the National Historic Register (Little to Comprovenschi July 5, 1979). A four sites (Check 10, exhumed Cemetery) also outside the historic district was refused entrance into determination of eligibility since it was a

Cemetery of no ~~special~~ apparent distinction and had been exhumed routinely by SHA a few years ago. It was indicated that should the impact of alignment 1 be in the nature of an incision, rather than an overlay, that excavations would be recommended to ensure that no bodies remained to be accidentally exhumed by construction equipment. (Clark to Ass ——). ~~It has not as yet been determined~~ ~~that~~ the type of impact will result in the alignment construction is being determined at present.

~~Permission to excavate / Burial Ground~~ Check 6

Mr. H. ~~Summers~~ Tom Turners, Chief R/W Section Frederick Co. provided information on the original exhumation in the event a study is approved. (Summers to Ass, July 19, 1979)

Permission to excavate Check 6 Burial Ground

Mr. Summers also submitted the required ~~data~~ request to excavate an abandoned burial ground to the Fred Co. State attorney & advertised the proposed excavation burial ground in public newspapers. It is expected that permission to dig will be granted in ~~early~~ August

Iron-working area.

Check 3. Milner Associates team under direction of Dr. Alex Townsend proceeded with preparatory activities during the week of July 9th and thereafter with full scale ~~excavation~~ archaeological investigation with a force of 6 excavations.

~~A trench was~~ ~~Backhoe~~ 3 Ft. wide trenches were opened by a SHA Backhoe in removing fill of previous road building activities including 1960 U.S. 15, earlier U.S. 15, gravel road to Auburn Mansion, and Md 806 - Susquehanna Trail road. Several areas of foundations, possible raceway channel, and possible area containing conjectural forge were uncovered. An exploratory trench was placed in the South wall of the Auburn dam. (See Report of Progress, Team A.) Work continues to define these features.

Check 4. Bathrooms, Spring, Raceway etc. Check 17, Raceway etc.

Advising Panel. The bath house excavation revealed within a 12 X 12 stone wall foundation the following features: an outside building trench, a terracotta drain ~~and~~ surrounded by a iron spike and teeth grid opening, an iron pipe leading to the raceway, some diagnostic artifacts the most distinctive of which were shell-edged pearlware, ~~Quantities of wall plaster~~ construction material including nails, wall plaster and cut stones.

The Spring was pumped out to allowed

excavation of the sand at the base of a concrete enclosing Box. An 1885 Indian head penny, buttons, wire, and plastic pipe fragments were found indicating recent materials here. Mr. Tresselt is reported to have built the spring in the 1920's. Stones resulting from the enlarging of the spring at that time surrounded the spring. Tests in these areas failed to reveal a "spring house".

The Raceway area of Check 4 & Check 17 were tested by 3 Hackhoe trenches and 6 hand excavated trenches & test pits. The raceway led from the North in the area of the conjectural original Stack to Salmon Slam. The investigations established the pattern of raceway construction consisted of a 20' terrace ~~[illegible]~~ indicated by upshelf stone retaining wall, a ~~[illegible]~~ 10-12' thick clay basin for the water course ~~[illegible]~~ supported by stratified layers of terrace & natural sand, ~~[illegible]~~ clay and earth to a depth of 6' below the surface and terminating on a shale layer. The layers of fine sand with charcoal included small fragments of glass slag, ash, iron and ceramic artifacts. The results ~~[illegible]~~ suggested the presence of iron-working activity in the area prior to the

construction of the raceway, A backhoe trench place through the bank & North section of the Arbour dam showed (1) extension of the raceway into the dam area and (2) presence of red furnace sand with charcoal and a bone handle iron knife. These data suggested also presence of iron-working activities in the area prior to construction of the dam.

Check 6, Burial Grid. the site was investigated by Mid Atlantic A.R. Team B1 led by Shannon Burnstein under direction of Ron Thomas

the surface of the burial grid was cleared ~~with the help~~ of the SHA team revealing ~~quantities of~~ over 100 fitted stones believed associated with burials. the area was gridded & the stones were ~~[illegible]~~ mapped ~~[illegible]~~ studied ~~but excavation was [illegible]~~ ~~[illegible]~~ ordinary excavation

which is awaiting permission to dig from the Co. attorney.

Check 7, Miners House the investigation was led by a 2-3 man team (Team B2) led by John McCarthy under direction of Ron Thomas.

~~the section of the site within the right of way excluded the House foundation proper, but~~ the site was tested by a network of Post-hole digger holes & but an epoch extension was investigation along with area & artifact concentration. Most of the helmet fund was of the late 19th century, agreeing with oral tradition in which the house was ~~[illegible]~~ seen as occupied by MINER CARTY and his family into the early part of the 20th century.

Check 16, RR. & Road at Entrance to Kimberly Mine

This site was ~~explored by~~ excavated by Team B3 of MAAR led by ~~[illegible]~~ GLEN MELLIN and under direction of Ben Thomas. The team found extensive erosion of ~~the~~ transport lines near the present road & placed their excavations of necessity at the pumping of the R/W. Three trenches revealed 2 RR. beds and a road bed leading to the mine.

Check 5 Amerindian Site

Team B3 also excavated this site with Post hole tests at 10' intervals. Areas showing positive tests were expanded into 5' ~~[illegible]~~ zones & excavated with sifting of soil in 1/4" screen. ~~(a [illegible]~~ Several fragments of Rhyolite (waste products in flaking process), and a bifaced point were found.

Aug 8, 29 Wednesday. Check 9

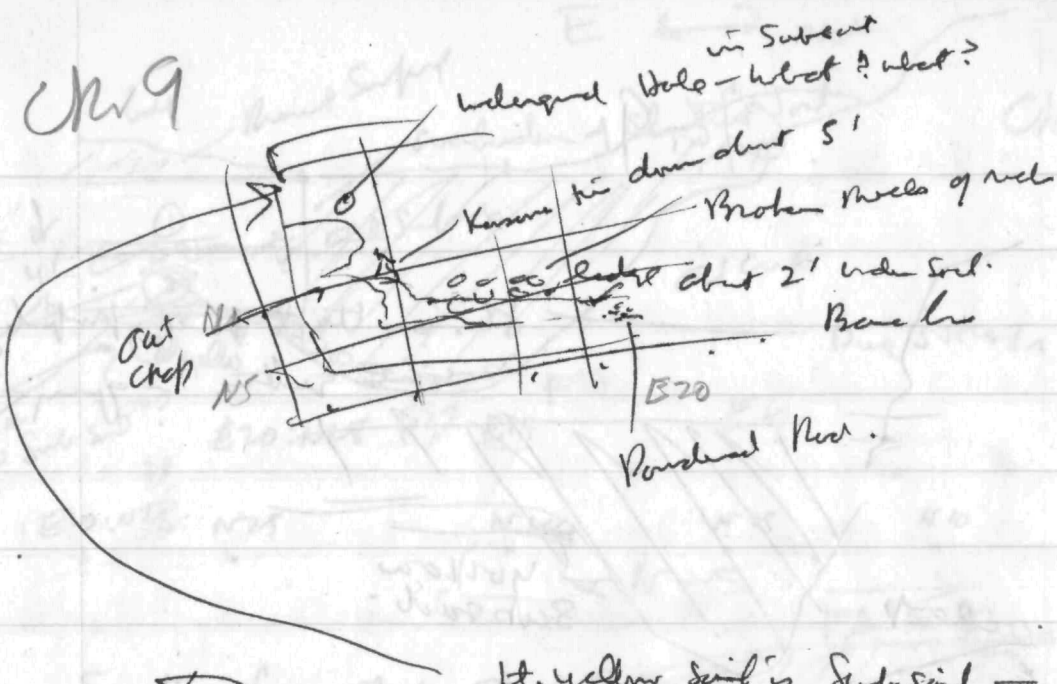
Backhoe Mel, Ozzie, Jim, Henry & I

Back at Check 9, Limestone quarry.

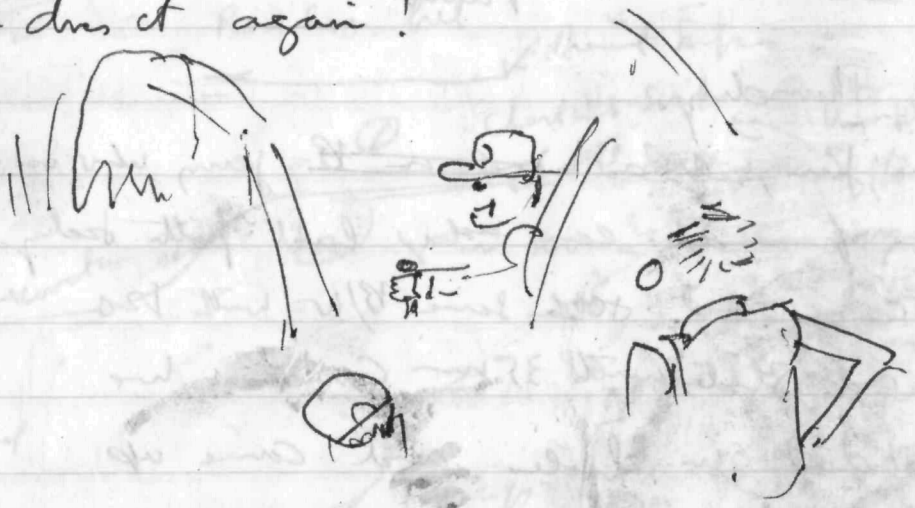
Set up Base line in 5' stakes

CK. 9

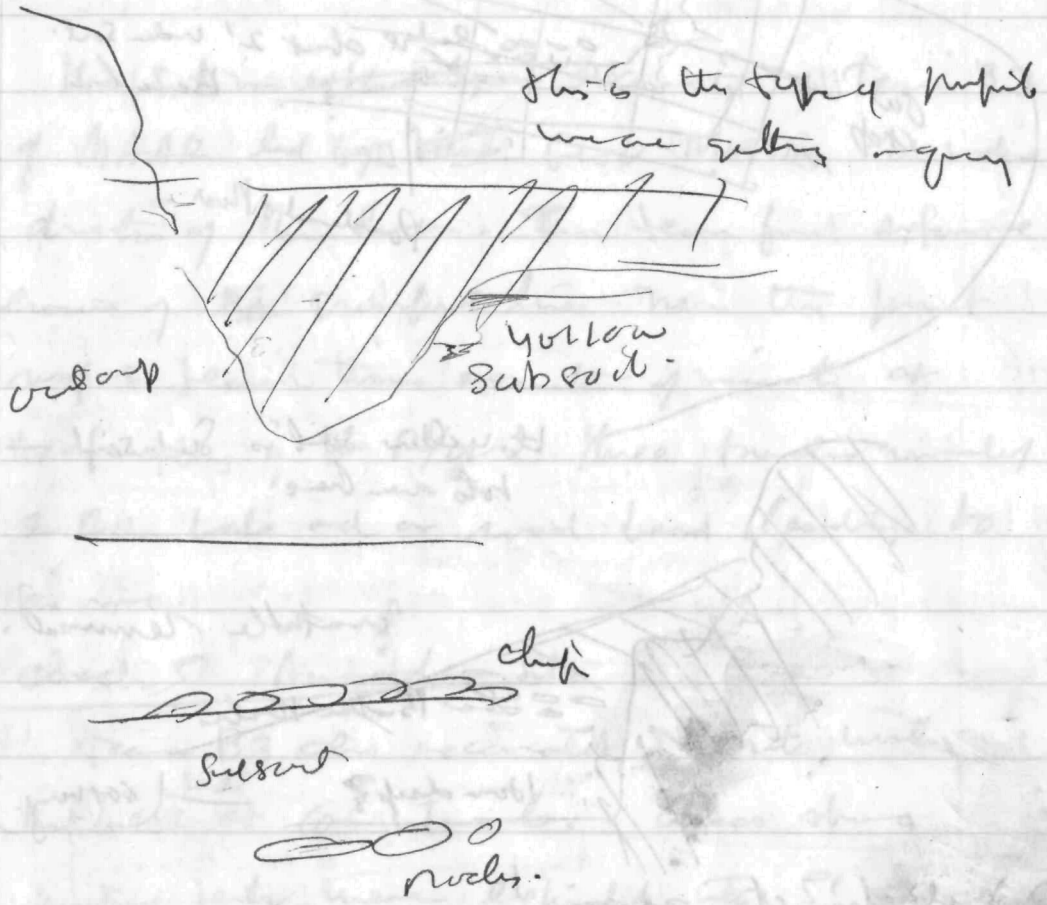
Ch 9



Mel does it again!

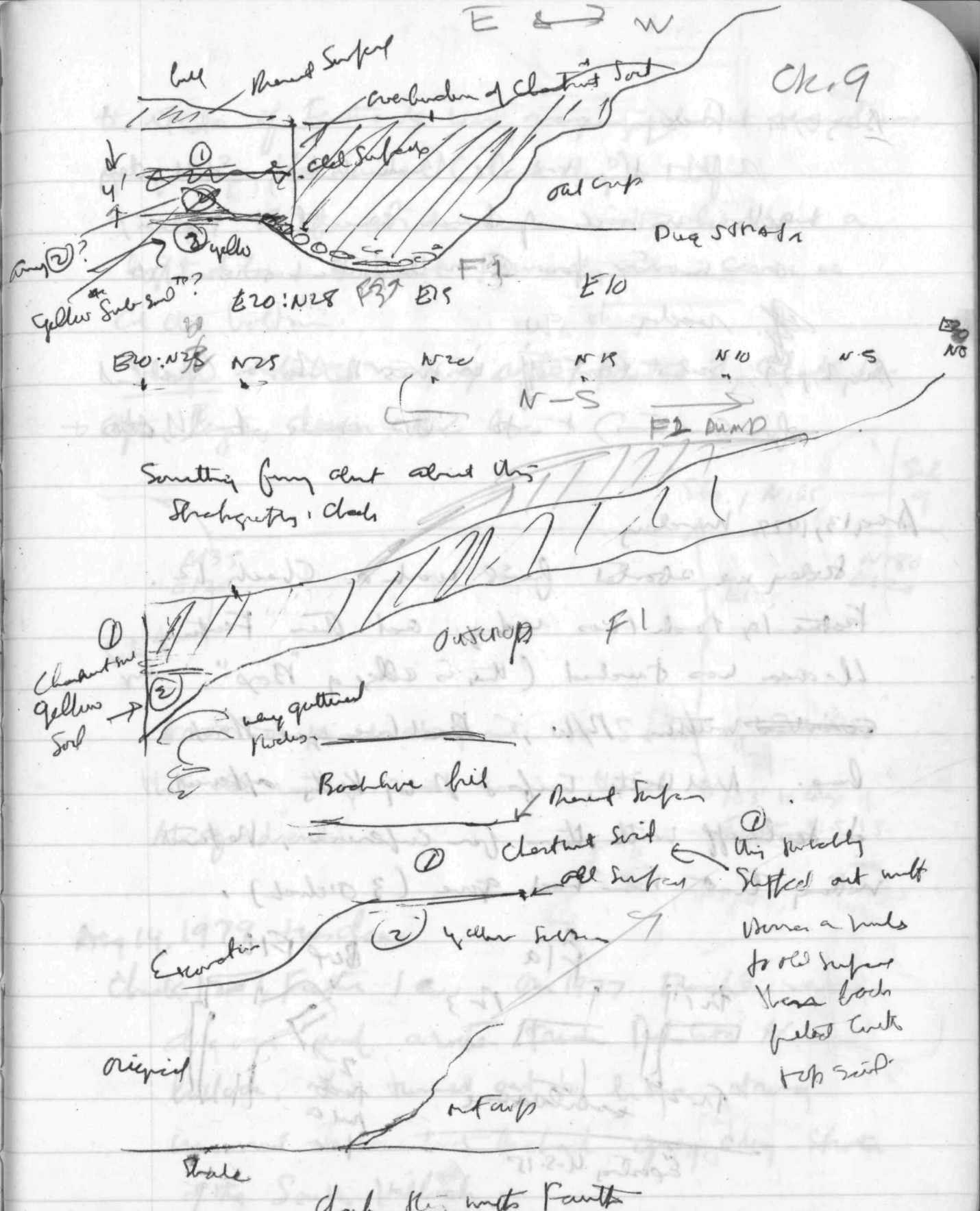


C/L 9



Aug 9, 1979, thursday.

Azzie, Jim, self and ~~[illegible]~~ Jerry who is recovering from an ear ache held further today. Pisa came and took some B/W with 120 film and slides with 35mm camera. We sifted dirt in holes and came up with very little except quantities of small (3" average) angular fields of stone — presumed to be lime stone.


E ⟷ W
Ck. 9
fill
Present Surface
overburden of Chestnut Soil
old Surface
outcrop
Dug Strata
①
② yellow
any ②?
yellow Sub soil TP?
E20:N28
E15
E10
F1
E20:N28
N25
N20
N15
N10
N5
N0
N-S
F2 DUMP
Something funny about about this
Stratigraphy, check
outcrop
F1
① Chestnut soil
② yellow Soil
very gattered nodes
Backhoe fill
Present Surface
Chestnut Soil
① old Surface
② yellow Subsoil
Excavation
① this probably
Stripped out with
Borrow a bunch
to old surface
then back
filled with
top soil
original
outcrop
Shale
check this with Faith

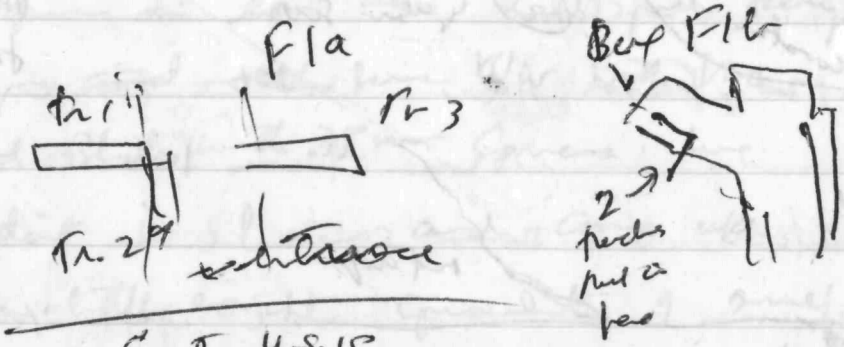
Aug 10, 29. Friday.

A first time we go Fredericksburg. Spent day getting invoices of Thomas corrected & my own invoice for Consultants' team & team to ~~off~~ ready to go

Aug 11, 29. Sat. Got off invoices to Thomas (returned for corrections) & to SDA mine for $11,000 &

Aug 13, 1929. Monday.

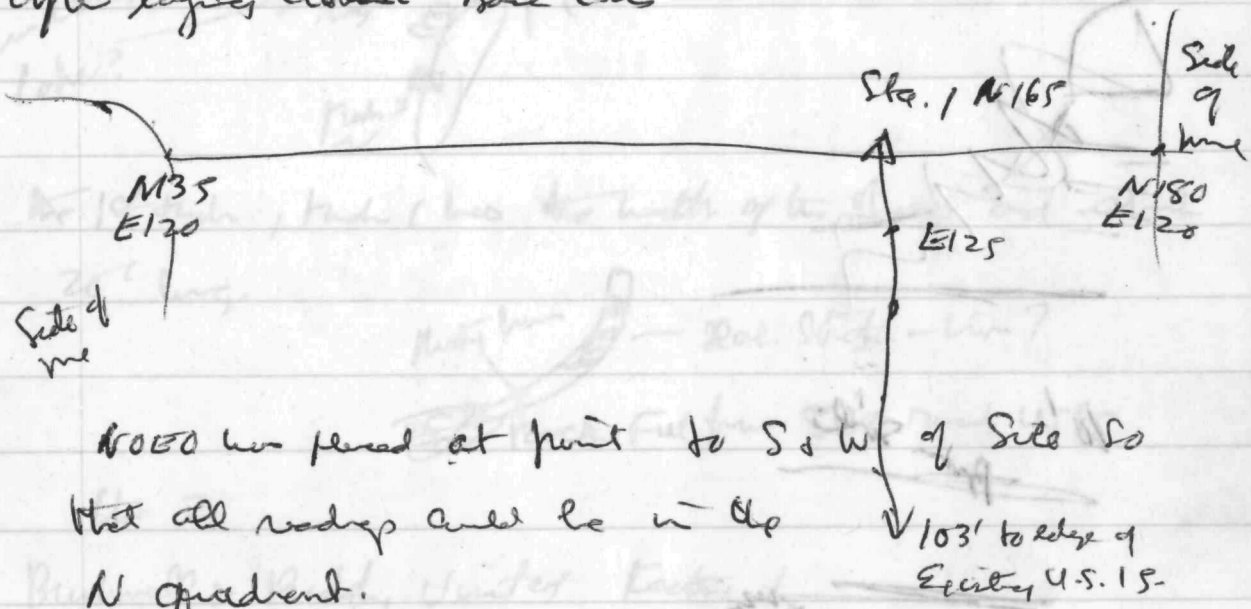
Today we started final work on Check 12. Feature 1a, trench 1 was redug. and then Feature 1b area was trenched (this is edge of "Box" ~~[illegible]~~ within R/W, Back have got strick here. Ned Heite, wife & Baby Kitty appeared & took off with them for conference, returned noting that men had gone (3 o'clock).



Existing U.S. 15

the strata of Feature 1a was recognizable but seemed more grey clayey than usual (dark day?). The Trench 1 F 1b strata seem much alike but a light colored soil not previously seen came in at the bottom.

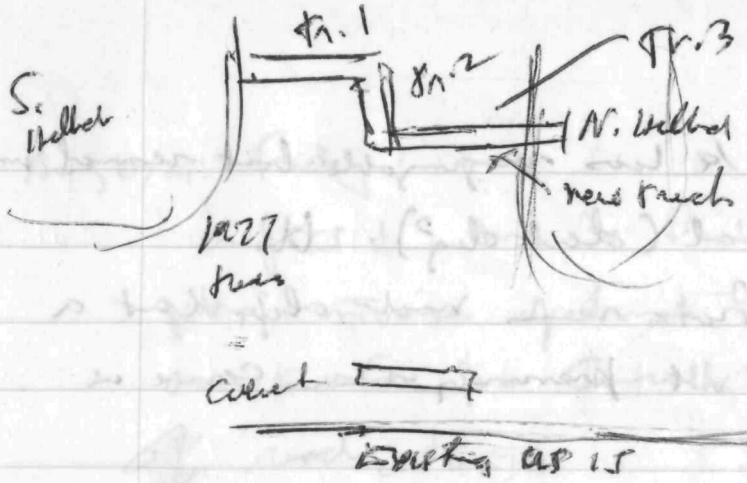
Map Started map of site Feature 1, Check 12 after laying down Base lines



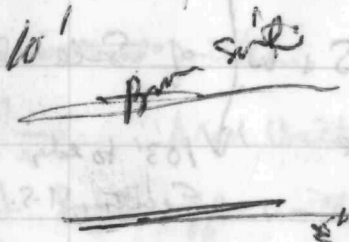
NOEO was placed at point to S & W of Site so that all readings could be in the N quadrant.

Aug 14, 1979, Tuesday

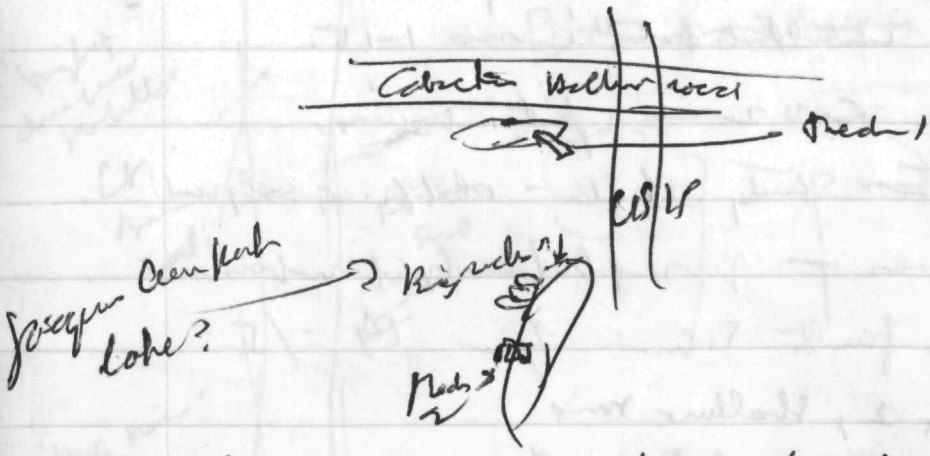
Check 12, Feature 1a. Our 1977 trenches were dug out and another trench put into N hillock. This turned out to have strong iron-rust strata but lacked grey clay strata of the South Hillock -



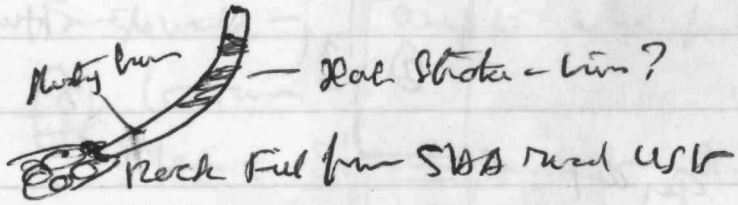
Stratigraphic Sketch



Check 12, Feature 2, shallow mine & today I had mud,
the backhoe spoil put in 2 vertical trenches in hillside
in Check 12, Feature 2, shallow mine area, the first



the 1st trench, trench 1 has the width of the shovel and about
20' long,



the 2

Bushwell & Biddy Visited Feature 1.
Dr John Faith visited & will stay for 4 days.
We talked of Vistas for an Hour or so
Big man & environment.
after work - cabinet man as quotient.
identifying lions of cabinet spectrographically.
(doubtful) etc.
He will be with me [illegible]

✓ Jesse Ritz called & will visit Monday 10 o'clock
on — covering Conservatory duties.

write legibly — even if mistakes are obvious

Aug 15, 79, Wednesday.

to do — 1 Advise Townsends group to submit invoice Aug 1-15.

2. check — Ck 6

3. work on Consultants team invoice 1-15.

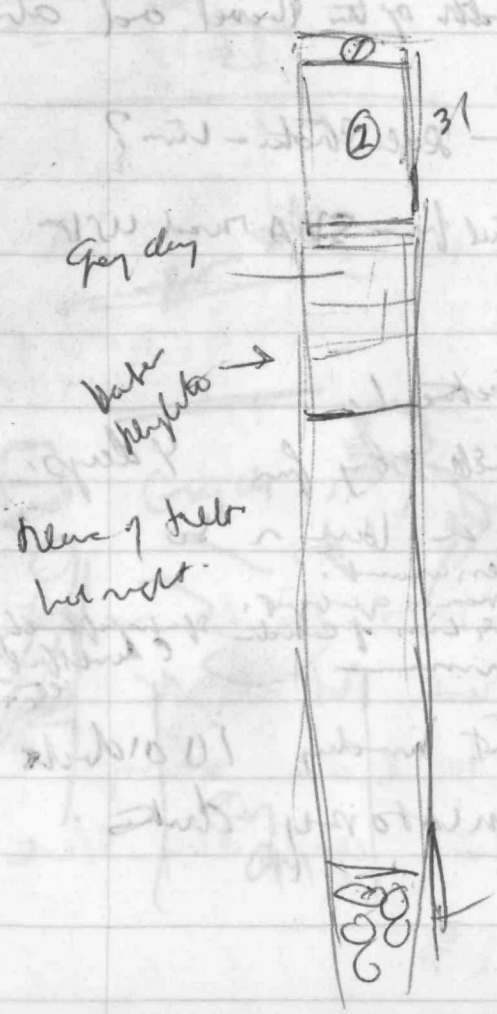
4. work on ZO 2 — report + invoice.

5. Fourth — Study strata — identify geological

Ck 10 names — give archaeological numbers.

Have fourth submit for 14-15.

Check 12, Feature 2, Shallow mine.



① Dark Brown Soil Humus.

Some mine stone material

Many not be in situ strata.

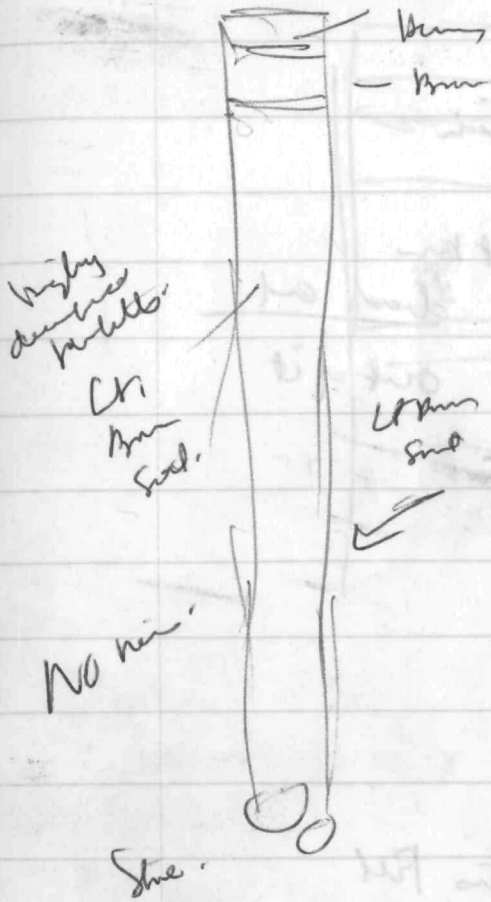
Fill from mine?

Bending to west

mine typically to E

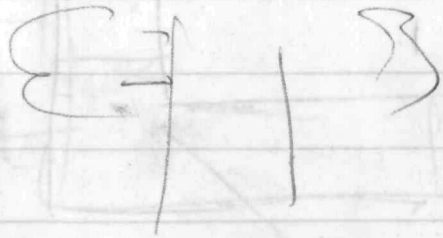
Some material tilts to E

11 Notes: Notes.



Pebbles 200 to 5 Slope
decomposed pebbles.
Carbonate bed rock —
less iron —

Faults: main mine in middle



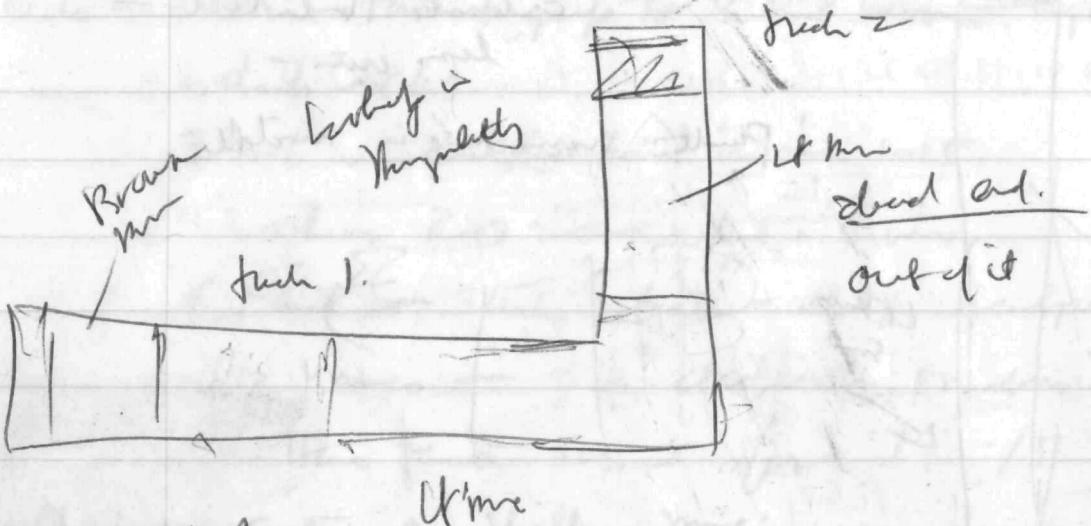
Bore picked up pebbles 4' below
Single weld — one to two feet
(1) bottom —
Open — S. end. Pebbles near surface
Soil on slope — weathered

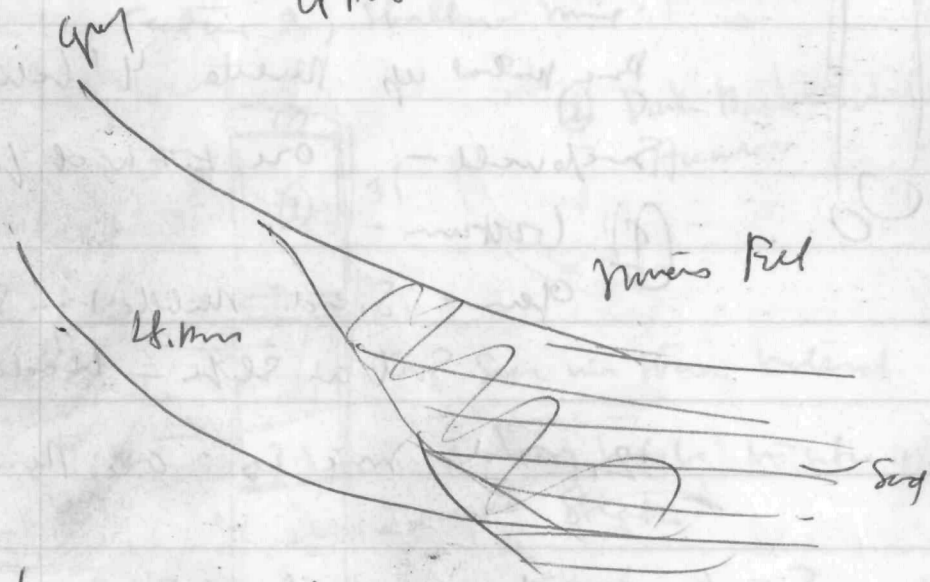
2. 2nd mine is one Pond.

Room out of which mine operated — Southern Sounds.

Aug 15, 79

Check 12, ~~[illegible]~~ Reactive 1B



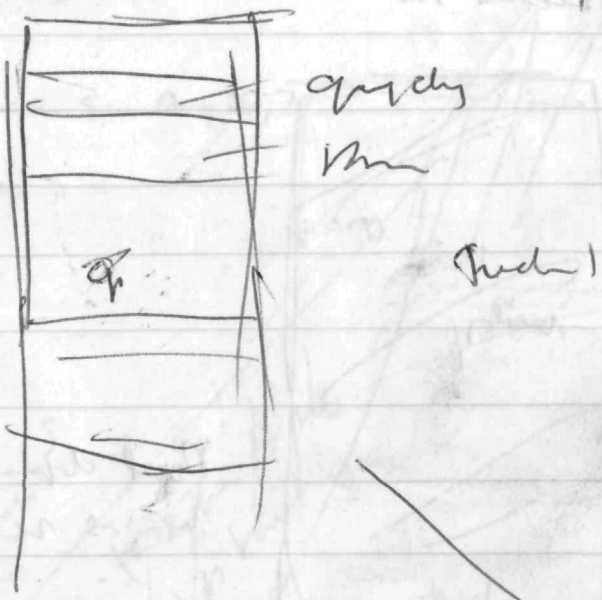


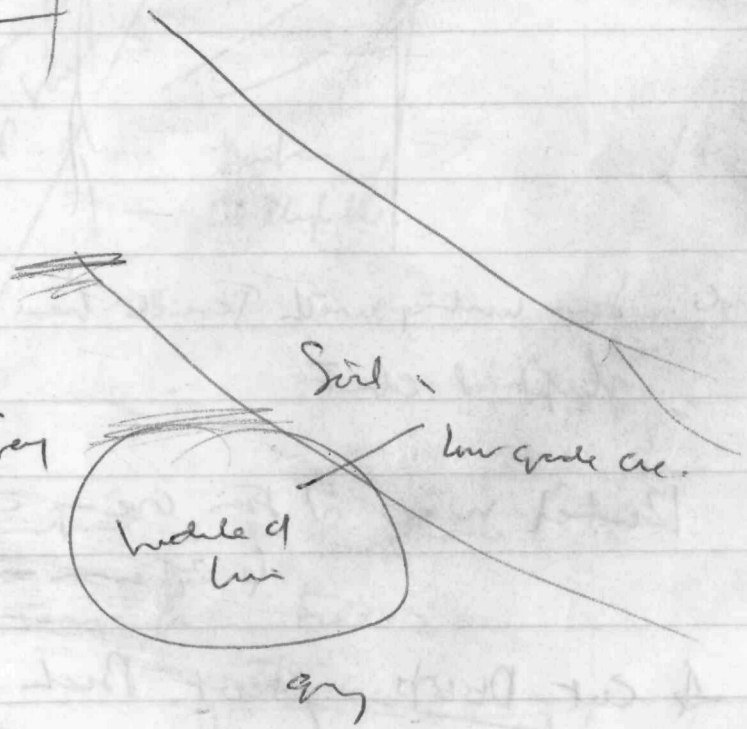
Lumpers going to heat instead of sand

Aug 15, 79

Trench 1

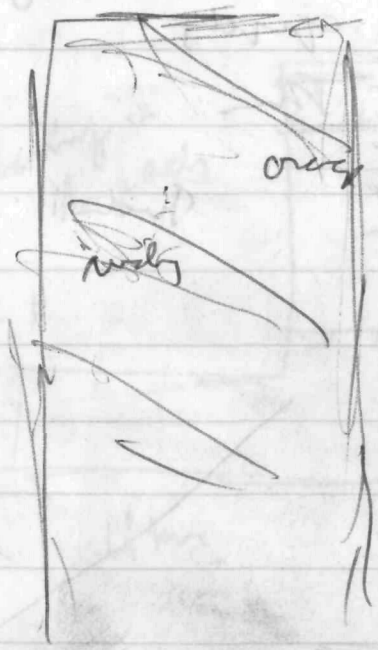
Section 1A





Aug 15, 79 Colluvium – gravity

Trench 2, Tectone 1A alluvium – water

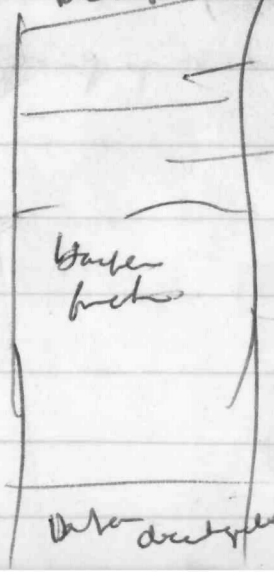


Best deposit we've seen.

NB: Jan working with Tenths here – who is skeptical about

Rocked mix 7 tons ore – = 1 ton bar
6 extraction – 1 ton

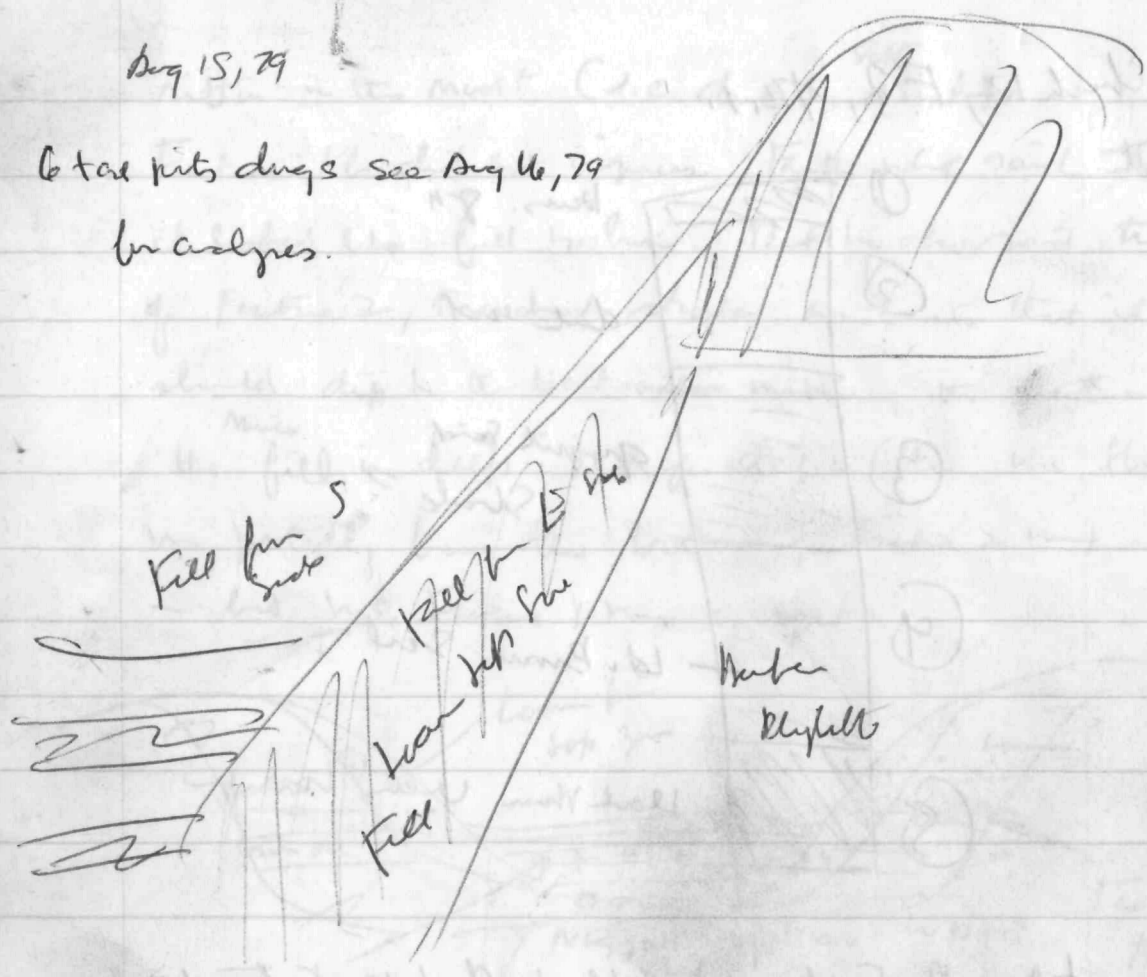
Cut DEEP & Foot Back



will be ~~Harper deposit~~ Frederick L.S. deposit

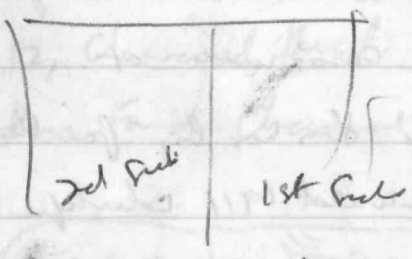
Aug 15, 79

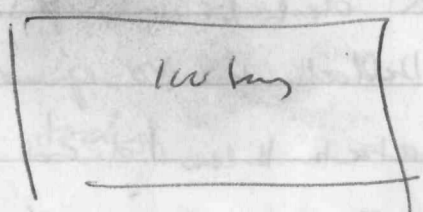
6 tail pits dugs see Aug 16, 79 for analyses.

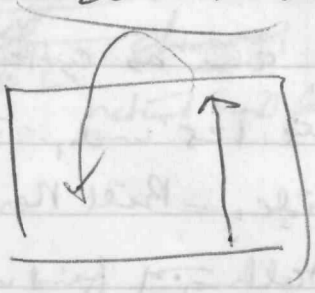


✓ Use of Fill to reconstruct original Strata.

note that the modules come from Fill 2

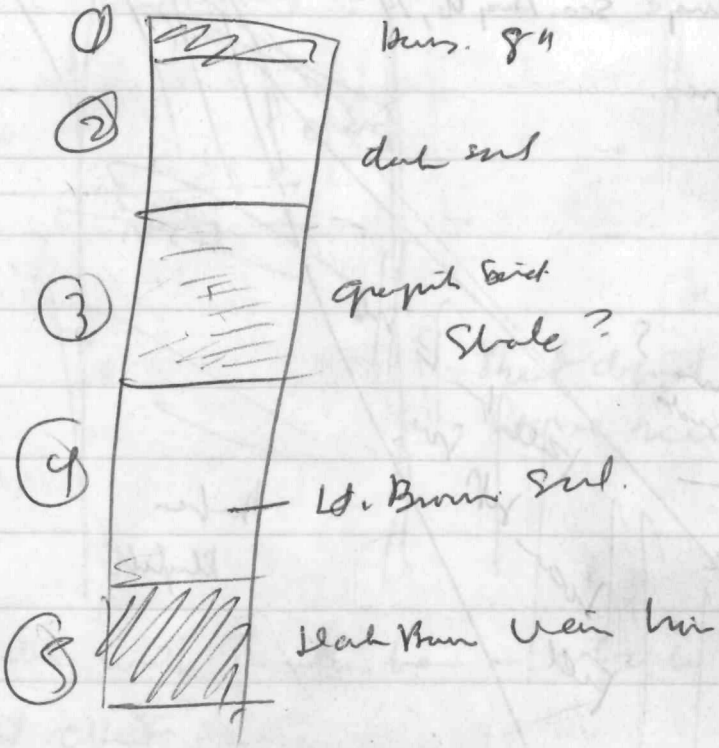






Look for 1 Mod
On wall out

Check 12, F2, Tr. 1.

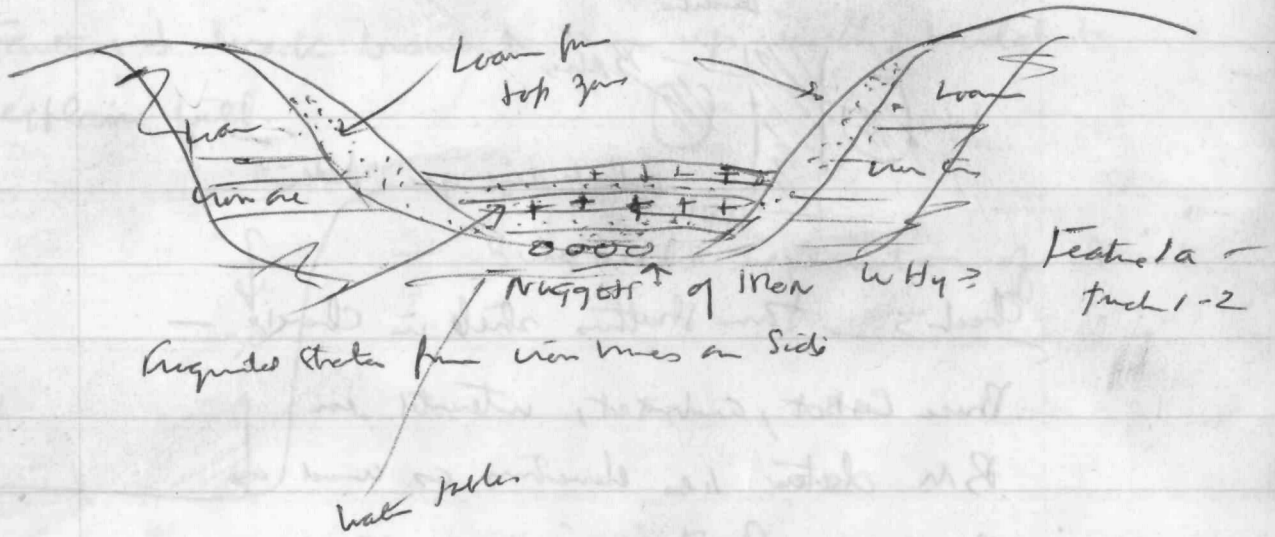


∴ today Dr. Fauth and I explored Check 12, Feature 1a, b, Feature 2, tr. 1, tr. 2. The big find was Trench 1 of Feature 2 which yielded large chunks of iron ore in a dark brown (soft soil) stratum 5th from top of Pollock in NE quadrant of cross-road at Catacton Hollow Rd. and U.S. 15. This was by far the best iron discovered. Singewald 1911 identifies the area as contains ore of large (dormant) mine 125' wide, 30' on West Side + 15' on E Side. Bill Remer remembers old timers talking of finding ore here in big chunks

"sittin' in the mud" (i.e. dark brown soft soil).

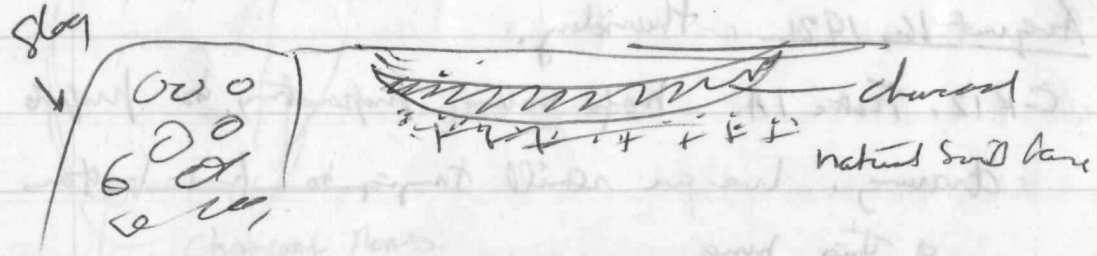
Feature 1b did not impress Fauth who said that it looked like fill to him. But he also said that of Feature 2, Trench 1 strata on basis that it should dip to the East ~~[illegible]~~ instead of the west.

the mines fill is deep. Perhaps deeper than we thought. We probably have the bottom of Feature 2 mine — but not Feature 1 mine as yet.

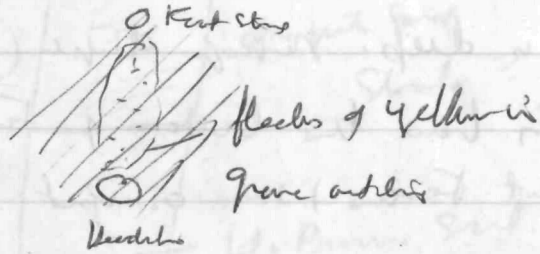


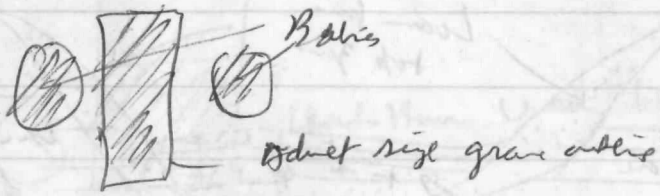
Check 12, Charcoal Road.

Now found Charcoal Road today



Check 6, Burial ground. Sharon Burton,
O.H. Briscow, and Spencer Geasey
along with Omni present Archaeologist
—— —— (publish name) dropping
three today, 2 Burials outlined
exposed

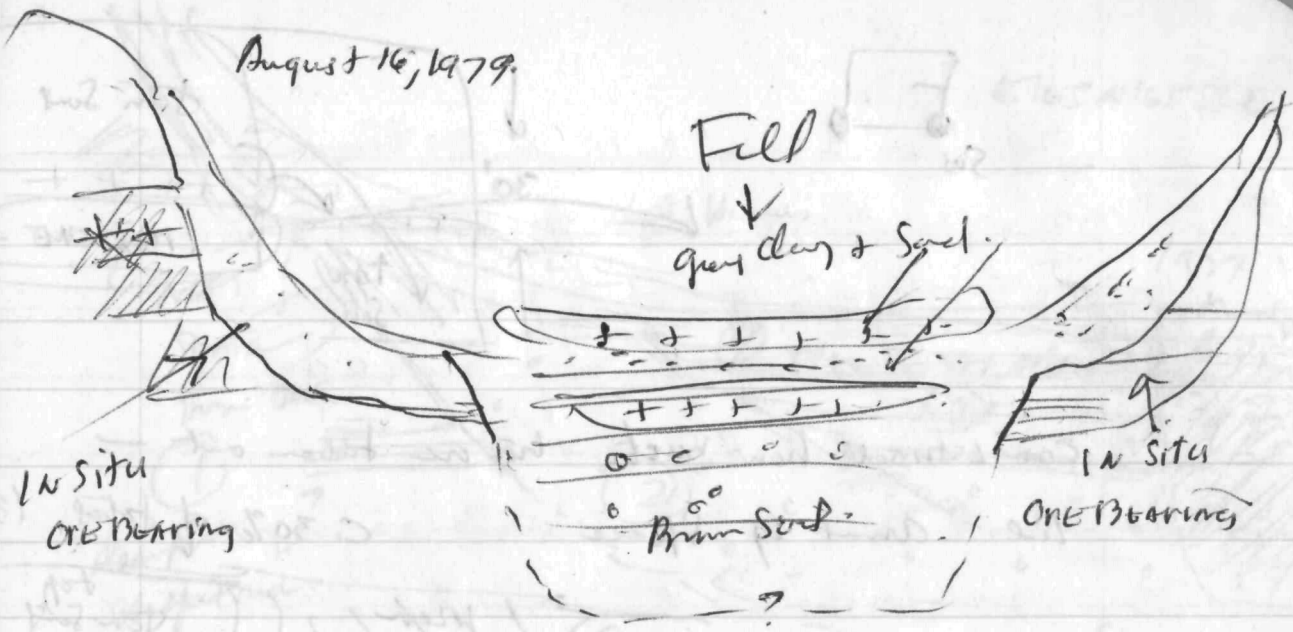




Check 3 Tom Struthers still in charge —
Bruce CABOT, architect, interested in
BM data i.e. elevations as used on
Road. BM 11 is on Send of
culvert just S. of Check 3,
walls + artifacts turning up in

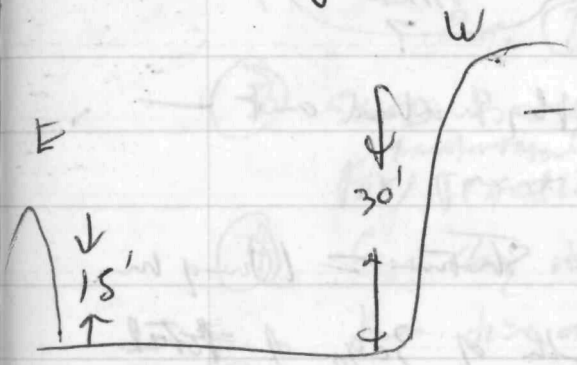
August 16, 1974, thursday.
CK12, Feature 1A. Map making preparatory to profile
drawing. We are still trying to find bottom
of this mine

August 16, 1979.



Need Backhoe back on job here.

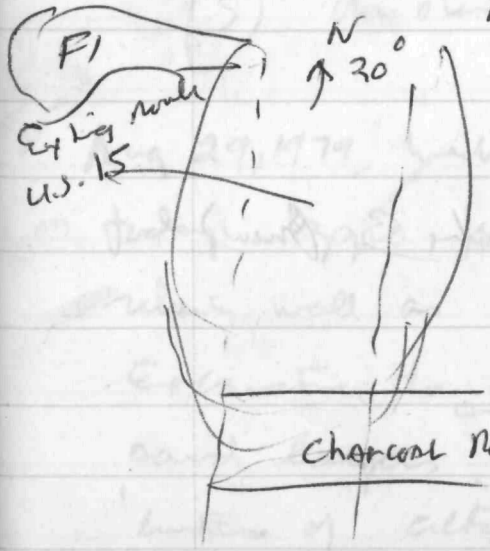
Faulth & I work brains to come up with model to explain fill.

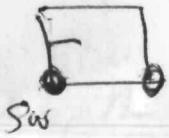


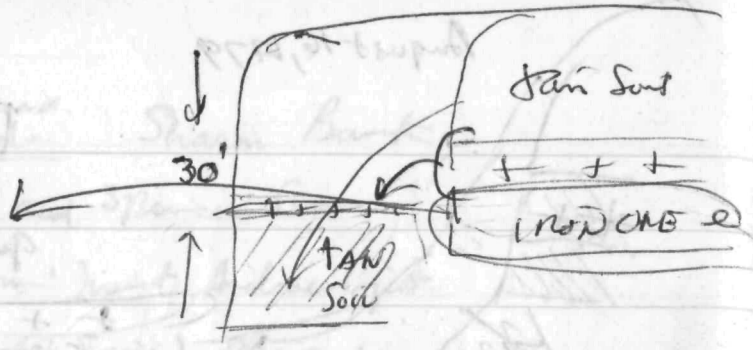
— Singewald's 1911 explanation of mine

MAIN MINE IS FEATURE 2.

FEATURE 1 is outshoot of MINE

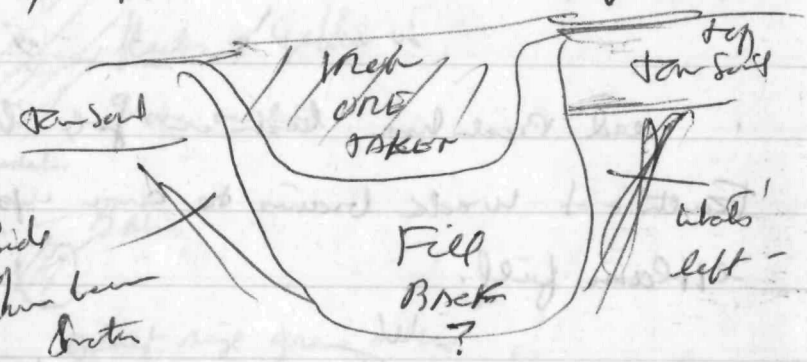






Can estimate how much iron ore taken out —

i.e. amount of space c. 30% of total (?)



Estimate amount of ~~sq.~~ cubic ft. of fill + iron beam strata.

When get Basic stratigraphy worked out —

try for techniques

Estimates 7 times ~~of~~ iron beam stratum = 1 ton of iron

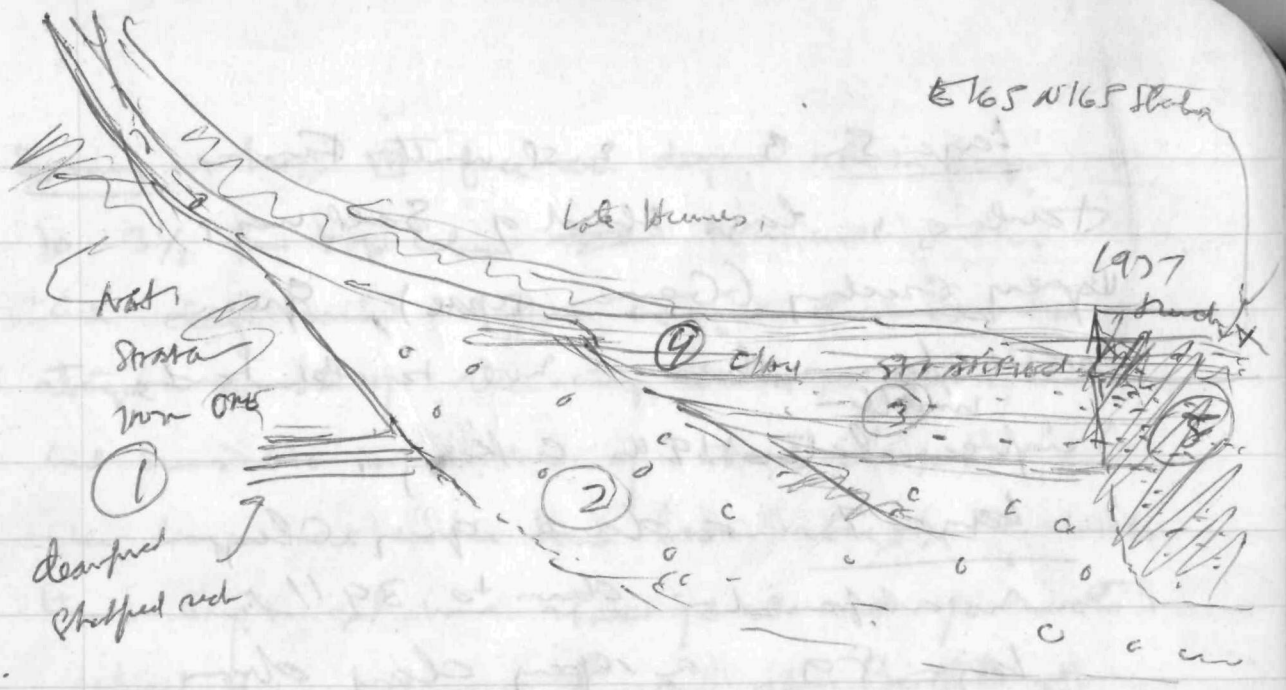
ergo. amount of iron $\frac{1}{6}$th of 30% of ~~total~~ Volume.

Aug 20, 79, Monday

Worked over F/a Track 3 (new)

with Faith for stratigraphy

Falling energy



(1) IRON-Bearing strata in situ

(2) Miners Excavating Fill in Search of Iron
Eg. (1) dug out & iron removed

(3) Sand brought in (Furnace tailings)
for transportation traction — Road

(4) Gray clay is alluvial deposited layers —
from time at Pond was here.

(5) Our March 1977 — Witness.

Aug 29, 1979, Wednesday, Check 17, Trench III
today Oggie, Jerry & Self parked back stone
relaying wall as requested by advisory Panel.
Excavating down through alternate clay &
sand layers. Davis thought might be
'lenses of alternate Roc way — road.

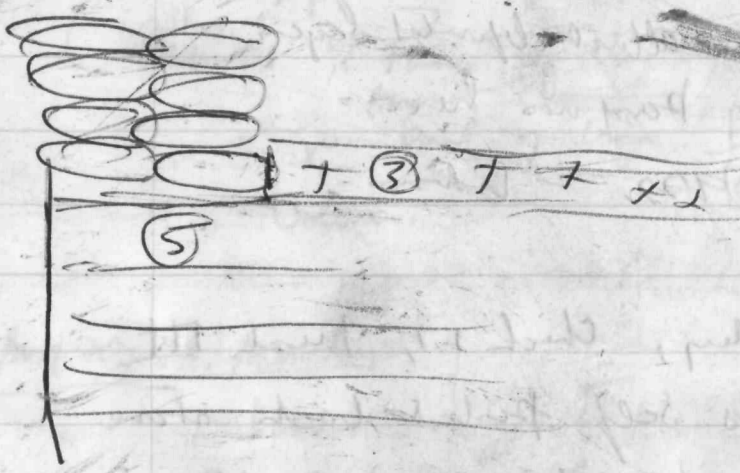
Layer 5 – Brown sand with Fence tailing, large sheet of Salt wave grey crocky (German type), green bottle glass – thin – not to old tanks maybe middle – later 19th century,

Layer 7. a dark grey clay no artifacts down to 39'' ↑

Layer 8a. a grey clay down about 5" thick.

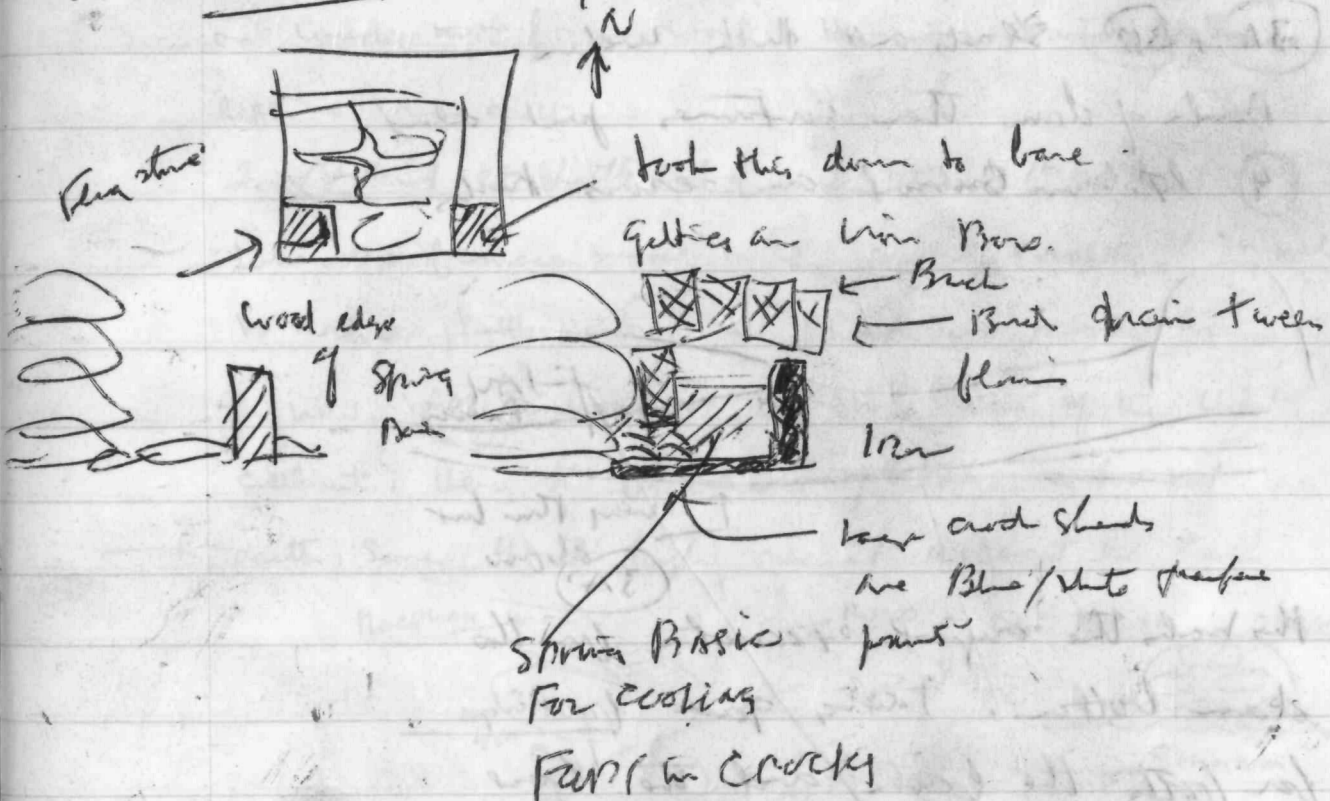
Bottom of thick wall about this point.

60' B.D. at N 25+8.



Summary. Trench III face was dug — strata layed to 3½' from top when ~~[illegible]~~ stone wall put up and clay Basin slapped against it. Question of stages in growth of race-way strata a good one but seems like no evidence of stages despite — clay layers at earlier than basin stage. We check this & try to get more stones of wall out of roots.

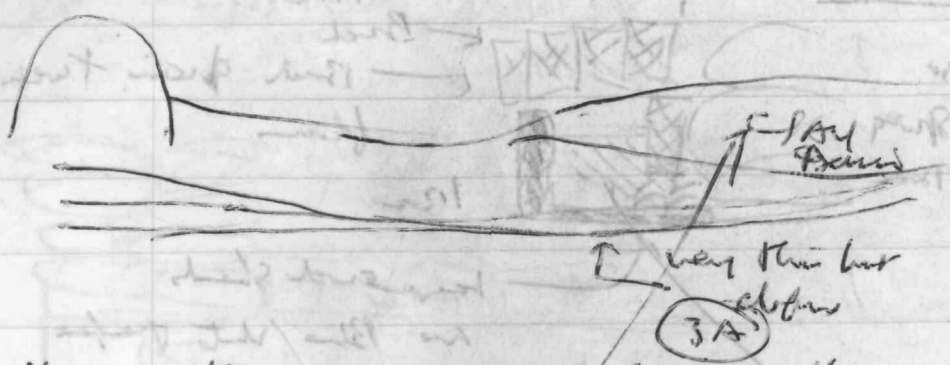
Check 4. I dug with Ron at Bath house.



Sept 15, 1979, Saturday

Truck I Check 4-17, Raceway. Today I started recording the stratigraphy of Trucks previously opened and generally understood, used String level and nails to mark strata, measured distance from Datum Plane (String) to strata.

Tailing level: this designated (3A) + (3B) starts out thick under Bank of dam then continues just along (4) lt. brown subsoil on across track



this marks the original excavation for the dam bottom. Tailing gave footing for both the bank and the base of the pond.

the Clay Built up appears at pits to substantiate idea of raceway extension.

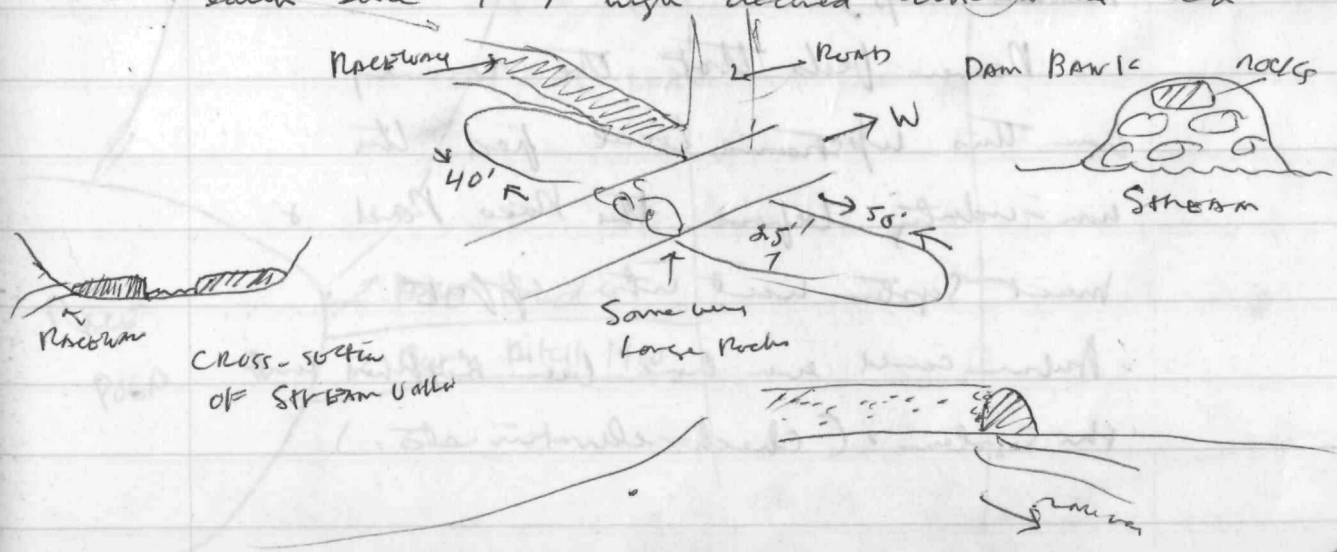
9/27/79 Thursday.

CK 11. Race Pond. today I got Bill Renner to go with me to help straighten out ideas on the Race Pond and Race way. the overall interpretation went as follows.

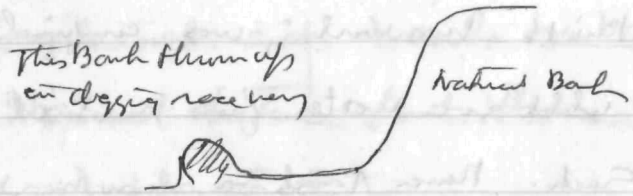
1. Earliest Period: Iron working was confined to the Auburn area which got water from a mill pond on the Little Hunting Creek. Renner tried to show me this dam about 100 yards east of the Catoctin 806 road on Windy ~~mill~~ farm road. Hurricane David waters left no trace of it.

2. 1st Period at Little Hunting Creek area, 1770+

When the furnace moved to its present locality (3/4 miles to north on Little Hunting Creek) water was provided by a new mill Pond about 1/4th mile west of the U.S. 15 Culvert. Here a barricade of large rocks and earth some 4-7' high accured athwart the creek



Bill and I followed the raceway which was a ditch some 5' wide & 2' deep at its inception. the raceway broadened to a 25' road-like flat with Bank on 2 sides



We proceeded for about ½ a mile following the raceway even higher until we finally climbed out at Catoctin hollow road near its crest.

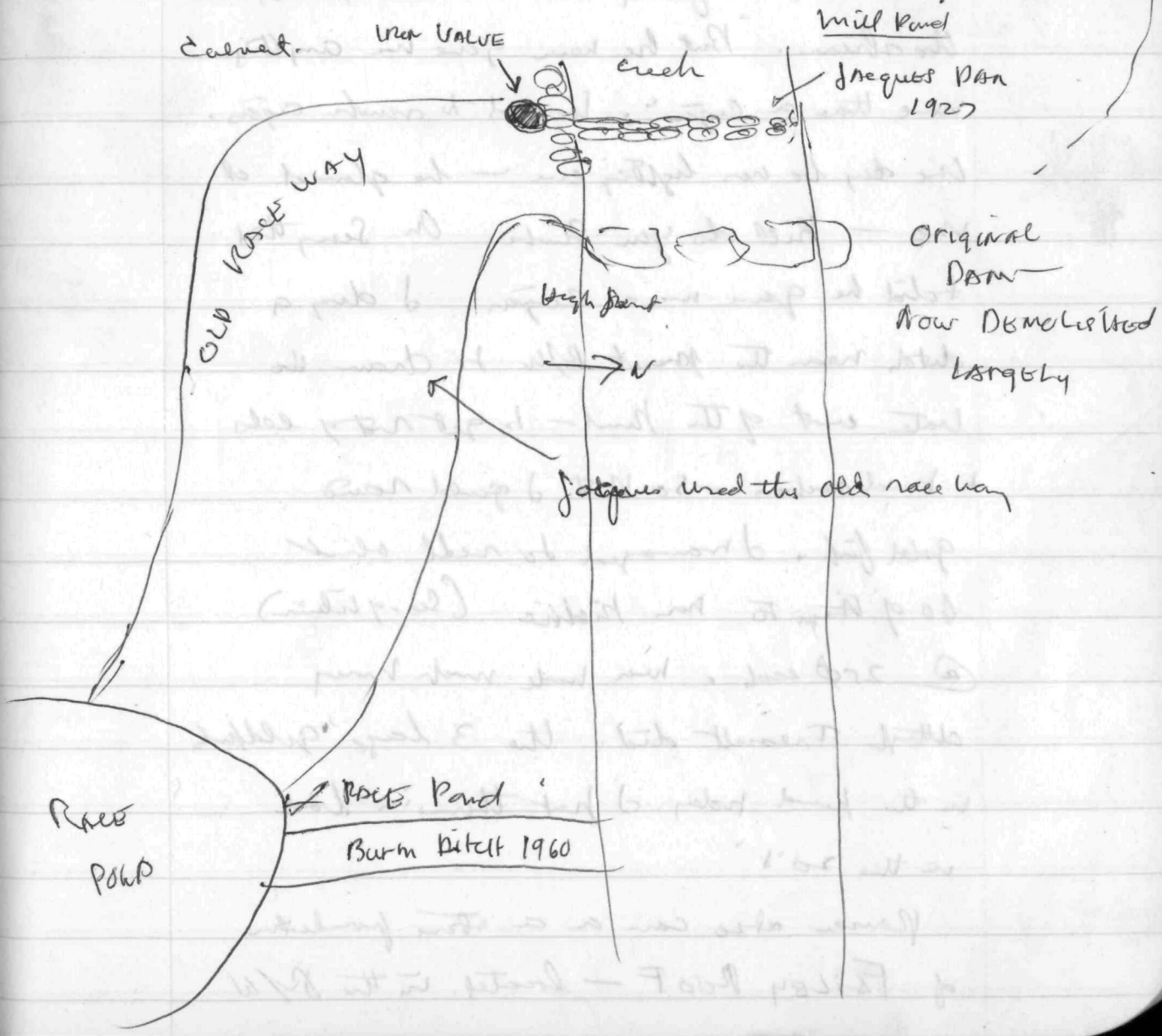
I felt that we had lost the raceway — ~~Some~~ A plausible zone occurred lower. on the other hand & also occurred higher. Undoubtedly part of the ~~[illegible]~~ feature was raceway and part road. (Check this on Bartram map)

Renner feels that the raceway from this upstream local fed the non-industry before the Race Road & present system went into effect

Auburn could even have been supplied with this system. (Check elevations etc.)

3. The Race Pond System at C11.

It is believed that the Race pond was once an one mine, the Pond was supplied by water directly from the creek. At the initial point of its use this dam was located precisely where Jacques built his dam in 1927 — this is still evident with a concrete construction & Valve Some 600' W of the Culvert.



By the time Jacques appeared on the scene the raceway was still evident but the old dam was ineffective & Jacques needed water for his Deer Park ~~tourist~~ land development project. So he used the old raceway.

Bill Renner helped Herbert Hoover, President of the U.S. with his fishing in the Race Pond and the stream. "But he never gave me anything more than a cigar". He used to smoke cigars. One day he was lighting one — he glanced at me — Bill do you smoke. On seeing that I did he gave me a cigar. I dug a ditch near the present R/W to drain the water out of the pond — to get rid of eels & mud suckers — so that I could raise gold fish. I managed to sell about 60 of them to Mrs Pickie (Sec. of Interior) @ 25¢ each. Never made much money although Tressett did. The 3 large goldfish in the pond today. I put them in back in the 20's"

Renner also came on a stone foundation of FAILEY ROOF — located in the R/W

Farley was so called since he never succeeded at anything.