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Volume II of II
(survey results)

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Projects

OXIN WILL / PORTAMERICA SURVEY

Sept ~~[illegible]~~ 9 - 18, 1985

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Projects (continued)

Survey - Oxen Hill

C. Newman.
S. Howard. 9-10-85.

Area A - Fairly cleared area of small sized trees, very little undergrowth.

Test Pit #1 -

0-5 - humic.
5-20 - grey loose loam to grey mottled clay

- No Artifacts

Test Pit #2

0-4 - humic.
4-57 - light tan, loose loamy soil to a darker colored, more compact soil.

- 1 possible biface at @ 53 cmbd.

Test Pit #3

0-7 humic.

7-45 - light tan. loamy soil. to darker colored more compact soil.

No artifacts.

Test Pit #4

0-5 - humic.

5-20 - grey loose loamy/clay soil to subsoil = grey mottled clay.

No artifacts

Looked all around bottom of ravine and along walls, no signs of cultural impact.

Area B.

2nd major elevation rise. - More undergrowth than previous area. Central area clear with lichen/grass on surface. Holly tree - Natural?

Test Pit #5

0-2 - light tan very loose humic soil.

2-20 - tan, loose, loamy soil mottled with light grey clay at bottom - to subsoil. No artifacts

Test Pit #6

0-30 - grey loamy soil. slight rise in elevation tree fall.

No artifacts

New Knoll

Test Pit # 7

0-15 - loose ~~grey~~ tan. clayey, loamy soil.

15-40 more compact tan ~~grey~~ loamy, clayey soil to very compact clay.

No artifacts

Oyster shell on surface.

This test unit close to several large trees, very close to gulley on the west and south. In area of white trunked trees - Sweet Gum ???

Test Pit #8

0 - 9 - humic.

9 - 25 - loose tan loamy soil.

25 - 46 - more ~~[illegible]~~ compact tan, loamy, clayey soil.

- One sherd recovered.

This test unit on a slight rise in elevation.

New Knoll

Test Pit #9

0 - 5 - humic.

5 - 35 - tan loosly compact loamy clayey soil to compact mottled clay

- 3 sherds. • 1 brick frag. (2 ccware • 1 unid)

Check around all sides of knoll - no artifacts

Area C

Much more vegetation than in previous areas - No real distinguishing characteristics other than an increase in undergrowth, to distinguish areas.

Test Pit #10

0-9/12 - dark humus, roots

9/12 - 30 - tan, grey loamy soil to clay subsoil.

- @ 12 sherds, CC wave, glass, shell, brick, metal recovered.
- Several scattered bricks on surface.
- large CC wave sherd. -

Test Pit #11

0-5 - humic - roots

5-45 - light tan loamy, clayey soil to tan clay subsoil - roots.

- 1 sherd.

This test pit was placed on a rise in elevation to the NW of test pit #10 not very far from road.

New knoll.

Test Pit #12

0-10 - dark tan/humic

10-30 light tan loamy/clayey soil.

- Glass, brick, sherd

-

- Piece of slate (roofing slate?) found on surface to the east of test pit.

Test Pit # 13.

0 - 5 - humic with clay - topsoil
5 - 35 - light tan with clay

- No artifacts
-

Test pit to the east of test pit #12

Test Pit # 14

0-10 - grey humic, loamy soil.
10-35 - light tan loamy, clayey soil to subsoil.

- Nails.

Nothing noted on surface

Test Pit # 15 Area found by Pat

On surface a great deal of brick, stone, shell, glass was found. Put test pit roughly to the

north to avoid major.
0-3 - roots, humic
3-31 - yellowish tan loamy, clayey soil among bricks - to subsoil.

area of bricks, but came down upon bricks anyway.
Artifacts - brick + slate.

Test Unit #16
To the west of test pit #15

0-6 - humic roots
6-30 - yellowish tan loamy soil to subsoil (greyish-tan clay.
Artifacts - glass, metal, slate, brick
No sherds.

Test pits 15 + 16 were dug to the north + west of an area of brick + stone concentration. Just to the south is a "pad" of soil where perhaps the building sat. No test units were placed inside this rise. Two large trees are growing on this rise with some undergrowth. This was the area previously pointed out by P. Garrow holly near by (planted?)

Test Pit # 17

0 - 4 - topsoil, humic

4 - 30 - light tan loamy, clayey soil to subsoil

No artefacts

Area D -

Area to the west of cemetary. No testing done along cemetary terraces.

Test Pit # 18

0-5 - humic

5-20 light-brown loamy, rocky soil. - / Soil looks like fill that was in cellar in Area 1 of Oxonhill excavations / Dug to subsoil

No artifacts.

Glass + slate found on surface.

Test Pit # 19

0-20. - light brown loamy soil. to subsoil (light tan). No real humic zone.

Test pit placed here because oyster shell was found on surface.
Artifacts - brick. sherd. recovered.
No pebbles in soil like in test pit #18.

Test Pit # 20.

0-20 - light brown loamy soil to subsoil no real humic zone.
Artifacts - sherd., glass brick.

Test Pit #21

0-9 - humus - [redacted]

[redacted] light brown soil with pebbles.

9-15 - subsoil + zone 1 mixture

[redacted]

Test pit placed @ 5 meters SW of path leading to Mausoleum (sp?)

- No artifacts - On slope leading to ravine

Test Pit #22

0-5 - topsoil humus

5-20 - brown slightly loamy soil with pebbles + roots.

Test Pit placed due to present of oyster shell

on surface.
- Artifacts: brick, glass & metal.
- No other artifacts noted on surface
- Off to the south of path

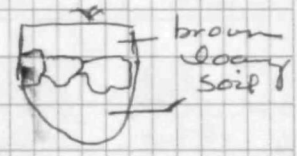
Test Pits 21 + 22 (23.) off path leading to Hamelan along ledge leading out into ravine. The ledge slopes downward

Test Pit # 23

0-10 topsoil grey humus
10-32 - brown loamy soil with few pebbles.
- Brick + CC ware = Artifacts.
- Test unit SW of path @ 2 meters

9-12-85

profile



Test Pit #24

This pit placed on [redacted] rise in elevation between cemetary and S. Wells cellar (Area 6A) (See map). At the bottom of pit several large pebbles were found. They are all at one level with soil continuing underneath [redacted]

0-10 Brown loamy soil.
10-16 [redacted] Stones - Large
16-32 - Brown loamy soil to subsoil.

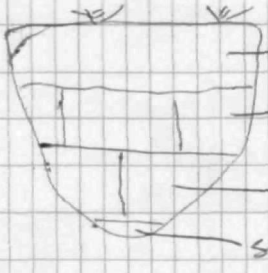
No artifacts recovered. Two small brick, clay fragments - Not kept thought to be concreations.

Test pit #25

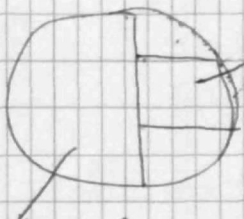
After probing, we found the edge of the stones and put this test pit there.
No artifacts recovered.
0-25 - brown loamy soil w/ small + large pebbles.

Several small pebbles mixed in with larger pebbles and soil were found.

Test Pit # 26.



Profile.



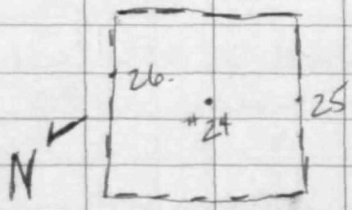
0-12 - brown loamy soil
12-22 - stones.
22-30 - brick.
30-31-32. subsoil

Test pit placed on edge of proking. A level of stones with underlying brick.

was found. In test unit, mortar, 1 piece of glass and several brick/clay fragments were found.

Area roughly

(?) 10m × 6 m.



Large pebbles found lying on surface.

New Area Southeast of house in depression -

Test pit # 27

0-10 - roots - brown clay soil
10-28 - tan clay soil to subsoil.

Much more clay in soil than in previous pits.

No artifacts.

Small depression noted off east side of house @ 4 meters from large granite stones - several bricks noted laying on surface

Test pit #28

0-12 - grey + light tan /topsoil, roots
12-35 - light tan loamy soil

- Artifact: metal, nail, brick fragments

This pit is about due south of house in an area of ivey-like vine - on the edge of its extent.

Small depression noted off east side of house @ 4 meters from large granite stones. several bricks noted laying on surface

Test pit #28

0-12 - grey + light tan /topsoil, roots
12-35 - light tan loamy soil

- Artifact: metal, nail, brick fragments

This pit is about due south of house in an area of ivey-like vine - on the edge of its extent.

Test Pit # 29

0-2 - roots + topsoil.
2-30 - greyish brown loamy soil

- West side of house
- No artifacts in pit
- Brick on surface around test pit.

Test Pit # 30.

0-2 - roots + topsoil.
2-20 - greyish brown loamy soil
20-30 - subsoil + previous level mixed.

Further along west line of house near mansoleum path.

Artifacts: seed pit,

shell, brick, mortar, slate

Brick on surface.

Just to the south of test pit #30 a small rise in elevation was found shell + brick seen on surface The rise is roughly retangular in shape = 5 x ? longer than 5m. - 10 m ?? - a pad for structure?

Test Pit #31

0 - 10 - brown root zone
10 - 20 · pebbles w/ tan
20 - 32 - tan loamy soil to subsoil.

Many small pebbles + large pebbles

Artifacts: glass, larg piece glass
brick, slate, shell.

Also on this rise -
boarder grass, monkey
grass was found
Two large pieces of
granite

Test pit #32 -
Bricks on surface -
to the NE of house -
near small mound on
map.

- Deep pit -
Subsoil not found.
Artifacts keep appearing
from top to where

we finally stopped digging. It became too deep & difficult due to the timber lying crosswise in the pit.

- The timber was found about 15cm down - artifacts all around it - a nail found directly under it. Timber is about 6 × 13cm. (13 cm longitude)

0-5 - topsoil - grey.
5-30 light brown loamy.
30-58 - compact light brown loamy soil

Artifacts - brick, glazed brick, glass, nails, ceramics, slate, bone, teeth, mortar shell.

Mound to the NE of test pit is composed, on surface, of a great deal of brick and gravel & pebbles. Survey / property line runs right down the middle of these bricks.

Test Pit #33

0-5 cmbg grey brown loamy soil with roots

5-11 - only pebble removed soil underneath pebble

This appears to be the same

as test pit # 34.
A pebble walkway-
road - floor ?
All the pebbles
were not removed
from this test pit
after the one was
removed and it
was determined to
be the same.

- Another possible structure/
floor about 5m x 8m

Only brick fragments
found in test pit

Bricks on sw face -
Rise, platform

Test pit # 34

Same as # 24 &
#33
Slight rise, platform

Test Pit #35

Testing to see if cobbles continue between two platforms -
No screening done -
Proved with shovel + probe.
A mortar bottom was found at @ 20cmbs
Glazed + regular brick were noted as probing was being done.
C. Espensade did probing. One piece of transfer print bagged + glazed brick.

9-13-85.

Test Pit # 36

0-12. brown loamy soil.

at 12cm hit bricks. These may be the result of a structure or associated with area 6a or the S. Wells cellar, but not likely. Probably some type of a structure.

Area found with probe while looking for road. [redacted]

A few bricks on surface. Spread throughout area

Also a slight rise in elevation.

Test Pit #37

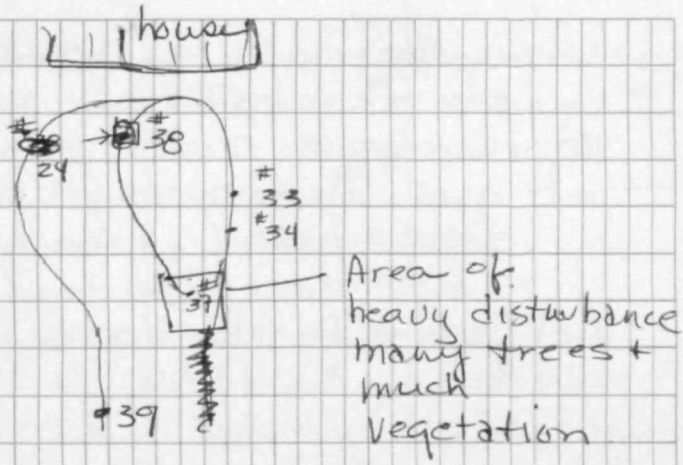
Dug to determine if we were indeed following the road or just pebbly soil. This test pit appears to be just naturally pebbly soil on top of subsoil.

0-10 - brown soil.

10-30 - light brown soil.

One glazed brick fragment recovered

The area has a great deal of fallen trees & vegetation making it difficult to follow the road.



Test Pit #38

Dug near house to determine what road material was composed of. The pebbles were not evident, what was found was small pebbles down to subsoil. A

large brick was found
near the bottom
of the test unit.
0-5 brown soil + roots
5-20 - pebbles + brown
soil
Artifacts - Brick, slate.

The morning was spent
trying to continue
tracing the roadway
unto the house.
It appears that
rather than somehow
being separate
structures, test pits #33
#34 are part of
the cobble road
that lead to the
house.

While the north

road is cobble/pebbles
the southern road
does not appear to
be composed of the
same material.
Test pits 37 + 38
were placed in
the roadbed, rather
than being cobbles -
small pebbles are
present. Testing
(probing) on both
sides does not
show signs of
these small
pebbles being
present - thus -
we are on some
type of a roadbed
or pathway.

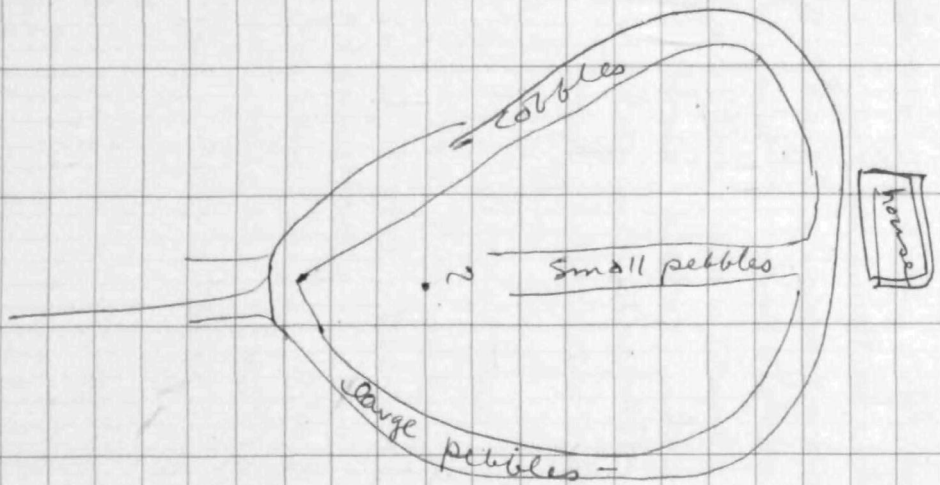
Went back to testpit # 24 and traced the large pebbles towards the house. While there are a few breaks, it appears that this is the southern road rather than the "pebbly" one.

This roadbed was followed out in both directions, leading to the house as well as beside the cemetary and continuing out to the pathway to the cemetary

Test pit #39

0-15 - brown soil
with lots of roots
the bottom is
composed of large
pebbles - the
same as along
the road bed.

No artifact in pit.
Brick on surface.


cobbles
small pebbles
large pebbles
house

Area around testpit #32.
The depth of this testpit + the number of artifacts leads to the supposition that this may be the earlier well or kitchen structure. It is very close to the main house.

The brick rubble beside the testpit may be where the bricks were sorted after the fire that burned the main house.

9/16/85

Went back to areas
not previously test or
that needed more testing

Test Pit # 40

0-10 - humic grey brown loamy soil
10-37 - light tan loamy
soil to subsoil.

No artifacts.
Test pit on rise - small
cedar nearby

Test pit # 41

0-20 - roots, humic grey brown
loamy soil
20-37 - light tan loamy
soil to subsoil.
No artifacts

Test pit 41 was placed on a small mound of soil about 12 m from access road. Judging from the large root level + type of soil - it was determined to be a treefall. Large pebbles nearby

Test pit #42

0 - 5 - topsoil, humic
5 - 29 - light brown loamy soil

2 sherds - CCware

Pit placed on higher elevation between pits 8 + 9, each had

artifacts

Test Pit # 43

0-7 - roots, humic zone
7-30 - light tan loamy soil.

Artifacts - 1 sherd, historic.
pearlware ? cc ware ?

Higher elevation between pits 8 + 9, closer to 9.

Checked around area for structural remains - none noted.

Test Pit #44

0-8 brown topsoil, humus
8-35 light tan, clayey soil.

Much more clay in soil than in previous units dug today.

Artifacts - 1 small brick fragment.

Placed between testpits 9 + 11

Testpit 11 is on a rise, "pad" in elevation. Perhaps outline of structure - Checked area again for artifacts on surface. None noted. Holly tree + small cedar noted on "pad"

Test pit #45

0-7 humic, roots
7-30 light tan loamy soil

Artifacts = glass, charcoal.

Placed ~~northwest~~ towards road to determine extent of site. Artifacts still present, but in less quantity. Structure, judging from artifacts on surface, appears to have been back towards ravine. No artifacts noted on surface towards road.

Test Pit #44

0-8 brown topsoil, humus
8-35 light tan, clayey soil.
Much more clay in soil than in previous units dug today.

Artifacts - 1 small brick fragment.

Placed between testpits 9+11

Testpit 11 is on a rise, "pad" in elevation. Perhaps outline of structure - Checked area again for artifacts on surface None noted. Holly tree + small cedar noted on "pad"

Test pit #45

0-7 - humic, roots
7-30 - light tan loamy soil

Artifacts = glass, charcoal.

Placed ~~northwest~~ towards road to determine extent of site. Artifacts still present, but in less quantity. Structure, judging from artifacts on surface, appears to have been back towards ravine. No artifacts noted on surface towards road.

Test pit # 46

0 - 7 - humic zone
7 - 21 - light tan loamy soil.

Placed between test pits 13 + 11 towards the road on the same rise as pit 45 about 20m SW.
No artifacts in test pit but one brick noted on surface.

Test Pit #47

0-7 - topsoil, roots
7-30 - light tan loamy soil

Artifacts - None

Pit placed on rise, fairly large head access road. No artifacts noted on surface. Van parking area almost directly north of test pit.

Test pit #48

0-5 - humic, roots, grey soil
5-25 - light tan loamy soil

No artifacts.
Path going through woods to cemetary. thought perhaps cobble road, but no cobbles in pit.

Test pit #49

A lot of brick on surface
Area very close to
deerstand, under leaning
trees.

Test pit had mortar, glass,
brick, + coal.

Brick + mortar mixture
also found on surface

0-5 - humus, topsoil.
5-20 - brick + light tan soil.
→ 20-25 - Brick concentration.
25-40 - light tan loamy
soil with small
amount of brick.

Artifacts found throught
pit. [redacted], but began to
decrease after about
30cmbs.

Not sure [redacted] if
subsoil was found -
possibly soil goes
deeper.

Pebbles noted on
surface as well as
a few in pit.

Not all brick was
kept, small sample
bagged.

Structure is very close
to cemetary - on
third terrace down.
No evidence of pebble
road that was
thought perhaps present
on this terrace. At
least, not the same
type of road as
is the entranceway
to house.

Test pit #50

0-10 - topsoil - grey
10-20 Pebbles & grey soil
20-25 - grey soil

Ornamental grass present
No artifacts in pit

3rd terrace down from cemetary.

This terrace is possibly a pebble (small) roadbed or the pebbles may be the result of terracing.

Some large pebbles noted on surface

If this is a roadbed, it is not like the entrance way. The

pebbles are much smaller and not placed in the same manner. Much more haphazard here... More soil mixed in with pebbles

Test pit #51

2nd pit placed near cemetary- [redacted] related structure (test pit #50). Placed about 7 m NE of test pit #50, closer to cemetary.

Artifacts include: brick, metal, window glass

0-15 - grey humus.
15-34 - light tan soil.

Large brick in profile, found inbetween two zones, extending into zone 2.

Testpit #52

Placed in what should be the middle of the roadbed just on the other side of the cemetary path. No evidence of the pebble roadway present.

0-2 - topsoil
2-17 - light tan loamy soil, to compact subsoil.

Artifacts: brick.

The fact that the soil gets very compact at

about 15 cm may be evidence of a roadway or it may indeed be subsoil

Testpit #53

Placed off side of path to manoeuvre to determine if pathway was a cobble walkway

0-4 - Topsoil - grey w/ roots
4-30 - Pebbly yellow-brown loamy soil.

It seems to be natural. The pebbles, both small and large continue from about 4cm to 30cm at subsoil. There does not

appear to be any concentration of pebbles at any one level.
No artifacts.

Testpit #54

Off side of pathway between 20 + 21 + 23
0-3 - topsoil.
3-15 - tan loamy soil.
Pebbles, small present all the way to subsoil.
No artifacts.

It appears that the pathway leading to the Mansdown is the result of erosion. Larger pebbles

towards the bottom of the pathway, and smaller at the top. The pebbles in the testpits are present throughout the pit, no areas of concentration. The pathway to the left, right goes to the mausoleum, turns into a runoff ditch into the ravine.

Looking at the excavated cellar, a level of pebbles appears at about the same elevation as the pathway to the mausoleum would be.

Test Pit #55

0-8 - topsoil - gray
8-25 - light brown loamy soil.

Placed across from water screening area near access road + path to cemetary.

Artifacts: 1 small ceramic sherd.

Test Pit #56

0-4 - top soil - roots
4-20 - light tan loamy soil

No artifacts

Further testing of areas

between testpits 12, 14
& 13.

Testpit #57

0-8 - grey humic loamy, clayey.
8-20 - light brown loamy
clayey soil.
No artifacts.

Placed between pits
#9, 10 & 11.

Test pit #58

0-7 - topsoil.
7-25 light brown loamy
soil.

Artifacts: metal, shard.
Placed between testpits
15 & 16 & 49

It appears these are seperate structures. One related to the cemetary & the other a slave quarters (?)

Road -

@ 3.70 m at entrance

@ 3.70 m @ testpits 24, 25 + 26.

@ 3.70m north cobble roadway

@ 3.10m center pathway

9-17-85 -

Instrument Height - 1.36 - taken from ground Surface

Francis Key Addison.
Grave Marker 1

Top -	1.52	5° W of S.
Middle -	1.49.	99.89
Bottom -	1.46	6 m

T -	1.47	
M -	1.43.	99.95
B -	1.40.	7 m

Willie.
Grave Marker 2.

T	1.47	3° W of S.
M	1.43.	99.95
B.	1.40.	7 m

T	1.45	
M	1.41	99.97
B.	1.38	7 m

Eliza Geraulf
Grave Marker 2

T	1.51	99.91
M	1.47	3° W of S.
B	1.43	8 m

T	1.515	
M	1.47	3.5° W of S.
B	1.425	99.91
		9 m

William B Addison
Grave Marker 3.

T.	1.60	99.84
M.	1.54	2° W of S.
B	1.49	11 m

T	1.52	
M	1.46	99.92
B.	1.40	12 m

John Addison
Grave Marker 4

T	1.66		99.81
M	1.575	14° E of S	
B	1.50		16 m

T	1.63		99.83
M	1.545	13° E of S	
B	1.46		17 m

Footstone of William
Grave Marker 5

T	[redacted]	1.44	
M		1.38	100.00
B		1.32	7° E of S.
			12 m

T	1.44	
M	1.38	100.00
B	1.32	12 m

Willie's Footstone
Grave Marker 6.

T	1.42	4° E of S
M	1.38	100.00
B.	1.35	7 m

T	1.415	100.00
M	1.38	3° E of S.
B.	1.34	7.5 m

Elizabeth Addison.
Grave Marker 7

NW corner.

Ground	T	1.40	6° E of S.
	M	1.37	100.01
	B.	1.33.	7 m
Marker	T	1.35	
	M	1.315	100.06
	B	1.28	7 m

Skl. corner

Ground	T	1.42	100.00
	M	1.38	5° E of S.
	B	1.34	8 m
Marker	T	1.41	6° E of S.
	M	1.37	100.01
	B	1.33	8 m

SE Corner.

Ground	T	1.455	17° E of S.
	M	1.41	99.97
	B	1.37	8.5 m
Marker.	T	1.405	
	M	1.36.	100.02
	B	1.32	8.5

NE Corner

Ground	T	1.42	19° E of S.
	M	1.38	100.00
	B	1.34	8 m
Marker	T	1.41	18° E of S.
	M	1.375	100.05
	B.	1.335	8 m

Brick Grave Marker 8

On top of bricks.

excavated

T 1.60 28° E of S.

M 1.67

B 1.54 99.71

6 m

NE corner

Ground T 1.51 36° E of S.

M 1.48 99.90

B 1.45 6 m

NW corner

Ground T 1.445 17° E of S.

M 1.42 99.96

B 1.395 5 m

SW corner

Ground T 1.445 14° E of S.

M 1.415 99.96

B 1.39 5.5 m

SE corner

Ground T 1.50 32° E of S.

M 1.46

B 1.44 99.92

6 m

It appears that this is a brick grave marker. Topsoil was removed from the area exposing a portion of the bricks. Measurements were taken on top of the bricks and on the ground where the corners are. These were found with the probe. Shell mortar & brick were found.

Profile South

Unexposed brick.

Testpit 50×50 #59

Dug ~~along~~ in 2nd terrace to see if this soil is fill or natural.

It appears to be natural.

@ 0.-5 - topsoil, small roots.

@ 5-15 - light tan loamy soil.

No artifacts noted. Soil was troweled sorted.

Same stratigraph as in all other areas.

Trench

Dug along 2nd rise up to major cemetary area. Judging from the stratigraphy - the cemetary area is not fill but natural.

@ 0-15 - grey soil with sm. roots - topsoil - humic zone

@ 15-40 - light tan loamy soil. to and into subsoil.

No artifacts noted.
Soil not screened

John Addison d. 1764

↓ (son)

Thomas Addison d. 1774

↓

Rev. Addison (Walter Dulany)

↓ 1810 sold most of Oxon Hill

Zadariah Berry

Berry

retained rights to cemetery

med

Additional Buildings

Main House

Kitchen w/ rooms above
+ shed

Two rooms "in the shade"

Six independent quarters.

Mill

Slave quarters near
main house

Stable

Milk house

Meat house

Spinning house

Overseers house
Cellar entry

20 slave quarters?

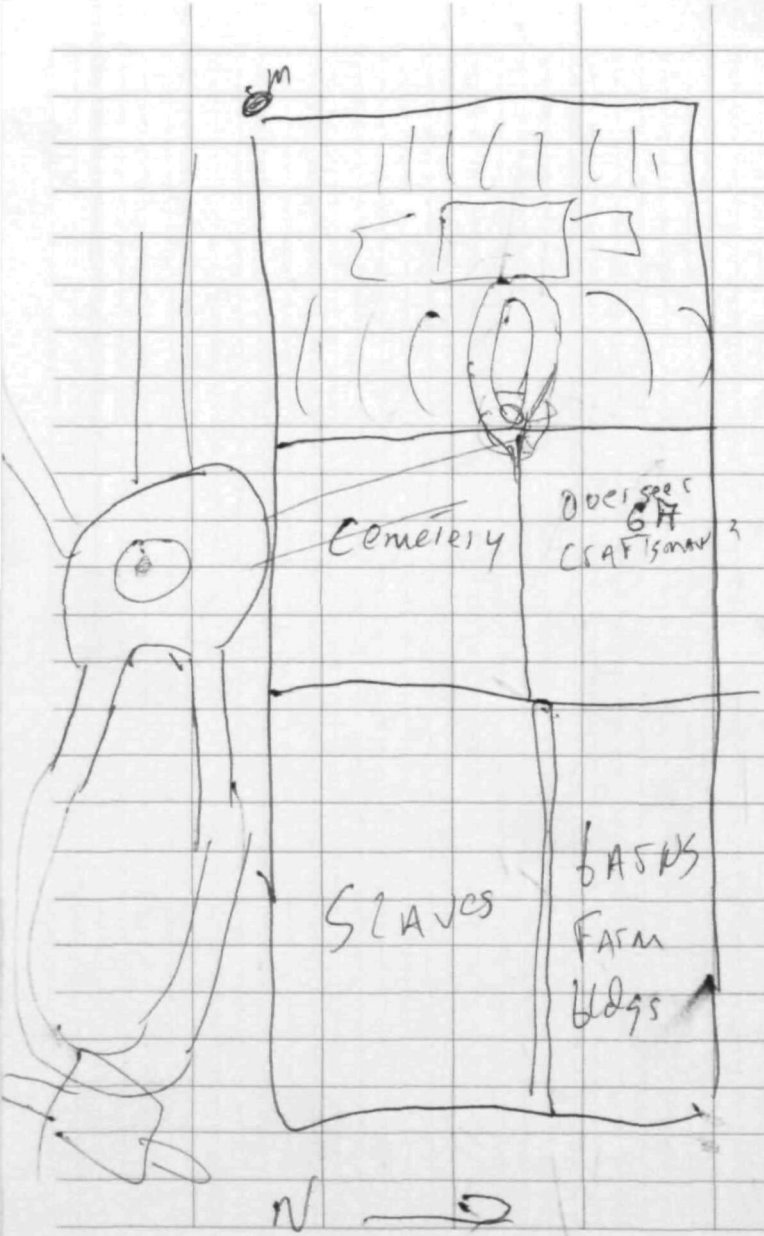
Wharf

6 Tenant house

Closer well

Two Brick piles-
sorting for reuse

Potatoe barn


Cemetery
Overseer
GH
Craftsman
Slaves
Farm
bldgs
N

CURVE TABLES

HOW TO USE CURVE TABLES

Table I. contains Tangents and Externals to a 1° curve. Tan. and Ext. to any other radius may be found nearly enough, by dividing the Tan. or Ext. opposite the given Central Angle by the given degree of curve.

To find Deg. of Curve, having the Central Angle and Tangent: Divide Tan. opposite the given Central Angle by the given Tangent.

To find Deg. of Curve, having the Central Angle and External: Divide Ext. opposite the given Central Angle by the given External.

To find Nat. Tan. and Nat. Ex. Sec. for any angle by Table I.: Tan. or Ext. of twice the given angle divided by the radius of a 1° curve will be the Nat. Tan. or Nat. Ex. Sec.

EXAMPLE

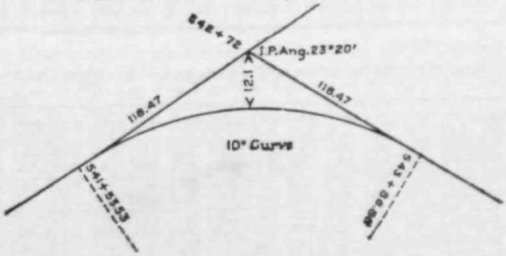
Wanted a Curve with an Ext. of about 12 ft. Angle of Intersection or I. P. = 23° 20′ to the R. at Station 542 + 72.

Ext. in Tab. I opposite 23° 20′ = 120.87
120.87 ÷ 12 = 10.07. Say a 10° Curve.

Tan. in Tab. I opp. 23° 20′ = 1183.1
1183.1 ÷ 10 = 118.31.

Correction for A. 23° 20′ for a 10° Cur. = 0.16
118.31 + 0.16 = 118.47 = corrected Tangent.

(If corrected Ext. is required find in same way)
Ang. 23° 20′ = 23.33° ÷ 10 = 2.3333 = L. C.

2° 19½′ = def. for sta.	542	I. P. = sta.	542 + 72
4° 49½′ = " " "	+ 50	Tan. =	1 . 18.47
7° 19½′ = " " "	543	B. C. = sta.	541 + 53.53
9° 49½′ = " " "	+ 50	L. C. =	2 . 33.33
11° 40′ = " " "	543 +		
	86.86	E. C. = Sta.	543 + 86.86

100 − 53.53 = 46.47 × 3′ (def. for 1 ft. of 10° Cur.) = 139.41″ =
2° 19½′ = def. for sta. 542.
Def. for 50 ft. = 2° 30′ for a 10° Curve.
Def. for 36.86 ft. = 1° 50½′ for a 10° Curve.