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Notes On A PRELIMINARY Archaeological Investigation of the NE and SW Bastions of Fort Frederick, Big Pool, Maryland October 4 - November 15, 1973

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Part I = artifact identification

Part II = additional notes on NE bastion

Artifact Identification

Dates given normally refer to the period of manufacture of a given type of artifact. When reliable sources differ as to a particular period of manufacture, several periods are given. Periods of manufacture are ~~normally~~ given in the following form: earliest or earliest known date of manufacture — latest or latest known date of manufacture. While some artifacts recovered at the fort are of types produced both before and after 1700 it is assumed that none of them representing objects assumed to have been consumed and discarded soon after manufacture were made before 1700.

Other dates are based on the archaeological context of a similar artifact

and represent the period of use and/or deposition of this artifact at the particular site from which it was recovered. These dates are identified as archaeological context dates in the body of this report.

Countries given refer to an artifact's place of manufacture.

When a period of manufacture is not given for an artifact, it is assumed that the artifact was produced in either the 18th, 19th or 20th century. This dating is based on the known historic period occupation of the site and the belief that the artifact represents a type of object

assumed to have been ~~produce~~ consumed and discarded soon after its manufacture.

When a country of manufacture is not given it is assumed that the ~~[illegible]~~ ~~[illegible]~~ artifact was most likely made in Britain or the U.S. This is based on the ~~known~~ nationality of the known occupants of the site and on the ~~[illegible]~~ belief that the artifact represents a type of object assumed to have been ~~[illegible]~~ produced in greatest quantity in one or both of these two countries.

The notation "observation of specimens" refers to the personal examination by the author of actual specimens of the type of object represented by the artifact in question in places too numerous to mention by name.

Information footnoted in the NE bastion section has not been footnoted again when it has appeared in the southwest bastion section.

NE Bastion Trench I topsoil

✓ 41 unglazed brick fragments
✓ 8 glazed brick frags.
✓ 11 pieces of uncooked bone; no butchery marks evident
✓ 7 pieces of cooked bone; no butchery marks evident
✓ 7 tooth frags.
✓ 1 piece wood
✓ 3 pieces charcoal
✓ 20 pieces mortar
✓ 4 pieces limestone; 2 with mortar adhering
✓ 15 pieces clay pigeon; assumed to be late 19th or 20th century American (observation of specimens)
2 clay pipe bowl frags.
1 clay pipe stem frags.

Ceramics

Earthenware

3 sherds pressed redware; probably from a flower pot; American c. 1850 - 20th century (observation of specimens; Watkins 1968: 96, 327; Noel Hume 1970a: 224)

1 sherd redware; brown glaze on one surface; type object unknown; 18th, 19th or 20th century; probably British or American (Miller and Stone 1970: 51-58; Ramsay 1939: 132)

Trench I topsoil (continued)

(Note: country and date of origin are the same as just given above for the following 4 redware sherds)

3 sherds redware carmel glaze on one surface; type object unknown (one original surface of one of the sherds is missing).

1 sherd redware brown glaze on both surfaces; type object unknown

8 sherds almost certainly British delftware (That is it is definitely delftware and almost certainly British); 18th century. type of object unknown (Miller and Stone 1970: 28. Noel-Hume 1969 b 12-13)

1 sherd British Whieldon type creamware, either clouded ware or tortoise shell mottling; type object unknown; (c1755-1775) or c. 1750-1775)
(Miller and Stone 1970: 63, 65; Noel Hume 1970a: 123-124)

Trench I topsoil (continued)

Stoneware

1 sherd British scratch blue stoneware; probably from saucer; (c1740 – 1770) or (c1750 – 1775) (Noel-Hume 1969 b 19; Grimm 1970: 156; Miller and Stone 1970: p. 72)

1 sherd British white saltglaze stoneware; probably from tea bowl; (c. 1730 – 1770) or (as early as the 1720's). This is Noel-Hume's refined type (Miller and Stone 1970: 68; Noel-Hume 1970 b: 248-249; observation of specimens)

1 sherd ~~British~~ of probable British white saltglaze stoneware but could be ~~English~~ British scratch blue stoneware; type of object unknown

2 sherds almost certainly of ~~Westerwald~~ Westerwald stoneware; one from a hollow ware object the other from an unknown type of object; 1700 – c.1770's

(Miller and Stone 1970: 74-75; Noel-Hume 1967: 351-353

Trench I topsoil (continued)

Porcelain

1 sherd possibly of 18th Century Chinese export ware, type object unknown; (observation of specimens)

GLASS

4 sherds olive green glass; type object unknown. (1700 – 1820's); French, British or American (Noel-Hume 1961: 98, 102, 104, 105 Brown 1971: 100, 105; Noel-Hume 1970a: 71; McKearin 1971: 424-428

1 sherd of green glass (a neck frag.); type object uncertain. British, French or American; 18th century – 19th century Brown 1971: 149c; McKearin 1971: plate 245, no. 8; pp. 456 – 579

1 sherd light green tint glass, possibly from medicine bottle; 18th century? (observation of specimens; Noel-Hume 1970a: 72 – 75

1 sherd light blue tint glass (neck frag.) Type object unknown, probably 19th or 20th century

Trench I topsoil (continued)
American (observation of specimens)

~~1 piece glass with very slight green tint, 18th century or later, type, size~~

3 sherds uncolored glass, type of object unknown; 18th century or later (observation of specimens)

4 sherds uncolored glass; type object unknown; probably 19th or 20th century (observation of specimens)

1 complete one hole bone button This type of button has been found in a 1715-1781 context, 1758-1766 context and 1726-1865 context. (Peterson 1964: 5, 59, 60; Grimm 1970: 59, 68; South 1964: 113-133)

1 ~~brass~~ yellow metal buckle frag. buckle is of knee, stock or garter type. Buckles of all 3 of these types and with the same pin terminal configuration were found in a 1758-1766 context (Grimm 1970: 54, 58-60

1 vest size 2 piece yellow metal button. This type of button has been found in a 1758-1766 context. (Grimm 1970: 64) This button has been either plated with a white metal or is made entirely of white brass (Grimm 1973)

Trench I topsoil (continued)

1 iron hinge frag. (comparison with specimens)

2 pieces of iron wire?

2 pieces of thin iron with rolled edge

12 iron square shoe nails; 1812-20th century (Fontana 1962: 105-106; observation of specimens)

9 definite and 1 probable iron square nails (type of manufacturing technique uncertain)

1 definite and 2 apparent iron wire nails; 1850's-20th century (Fontana 1962: 47-48)

2 iron machine cut square nails one with head intact; (c.1830 - 20th century) (Fontana 1962: 54-55)

14 iron nails probably hand wrought (1 headless, 3 T head, 5 rose head, 5 head uncertain) If hand wrought then 1700-c.1850

Trench I topsoil (continued)

28 iron hand wrought nails
(1 headless; 1 T head; 23 rose head; 3 head uncertain); 1700 – c. 1850
(Fontana 1962: 50; Noel-Hume 1970a: 252-253)

NE Bastion Trench I dirty orange subsoil fill level

a number of pieces of mortar, apparently of the "½ sand ½ lime" type described in the 1934-1935 CCC reports. (See also Stone 1973: 1-3)

3 pieces of unglazed brick

~~2 pieces of concrete~~

1 iron wire shingle type nail; 1850's – 20th century (Fontana 1962: 47-48) also observation of specimens

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NE Bastion Trench I bright orange subsoil fill level

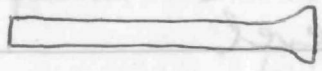
20 pieces of unglazed brick
2 pieces of glazed brick
a number of pieces of mortar. a few seem to be of the type found in SW Bastion Square 1 trash level. The others seem to be of the ½ sand ½ lime variety.
2 shale or slate fragments

(continued) Trench I bright orange subsoil fill level

1 iron wire nail; c. 1850's - 20th century (Fontana 1962: 47-48)

2 pieces of charcoal

1 piece of thin iron; unidentified



NE Bastion Trench I X crossing CCC trench's fill

1 machine cut square iron nail; head not visible; c.1830 - 20th century type? (Fontana 1962: 54-55

NE Bastion Trench I ∧ intersecting CCC trench's fill

1 piece uncooked bone; no butchery marks evident

1 piece unglazed brick

NE Bastion Trench I < intersecting CCC trench's fill

1 hand wrought iron nail with rose head; 1700-c.1850 (Fontana 1962: 50; Noel-Hume 1970a: 252-253)
4 pieces of mortar

NE Bastion Trench I medium brown soil feature (Not CCC trench) under dirty orange subsoil fill level

2 pieces of window glass (observation of specimens)
3 pieces of mortar
1 piece of stone with mortar adhering

1 hand wrought iron nail with rose head; 1700 - c.1850 (Fontana 1962: 50; Noel-Hume 1970a: 252-253)

1 machine cut square iron spike or large nail; The rupture probably indicates an c.1830 - c.1870 date (Fontana 1962: 53-55)

4 smaller machine cut square iron nails. One has head missing but appears to be of the c.1830 - 20th century type. The other 3 are definitely of this type (Fontana 1962: 54-55)

NE Bastion Trench I undisturbed subsoil level. ALL artifacts were found just in the surface of this level.

1 uncolored glass bottle neck; type object unknown; 19th century - c.1917 (Fontana 1962: 100)

2 pieces unglazed brick
2 pieces mortar

2 apparent machine cut square iron nails; no heads present. apparently 19th or 20th century (Fontana 1962: 54-55)

NE Bastion Trench II topsoil

6 pieces mortar
✓ 7 pieces unglazed brick
✓ 4 pieces uncooked bone; no butchering marks evident
✓ 2 pieces cooked bone; no butchery marks evident
✓ 2 tooth fragments
(observation of specimens) 1 clay pigeon frag. assumed to be 19th or 20th century
✓ 1 piece glazed brick
1 piece stone with mortar (or less likely concrete) adhering

✓ 2 pieces iron wire?

✓ 1 piece of thin iron with both edges rolled over; perhaps a "tin" cup handle frag. (observation of specimens)

✓ 1 piece of iron square in cross section; type object unknown

✓ 1 apparent iron wire nail

✓ 1 apparent iron nail fragment; hand wrought?

✓ 1 L head iron nail; apparently hand wrought

✓ 8 hand wrought iron nails; (1 head treatment uncertain, 1 T head, 6 rose head; 1700-c.1850

Trench II topsoil (continued)

✓ 1 piece light green tint glass; possibly from 18th century medicine bottle (observation of specimens)

✓ 1 piece olive green glass; type object unknown; c. 1700 – 1820's. French, British or American (Noel Hume 1961: 98, 102, 104, 105; McKearin 1971: 424-428, Brown 1971: 100, 105; Noel-Hume 1970a: 71

✓ 1 piece of probable window glass (observation of specimens)

✓ 1 piece brown glass (rim for crown cap closure); some sort of bottle; c. 1900 – present (Noel-Hume 1970a: 47)

✓ 1 piece glass with very slight green tint; type object unknown

✓ 2 pieces uncolored glass; type object unknown; apparently 19th or 20th century (observation of specimens)

✓ 1 piece uncolored glass; neck sherd with molded treads for screw cap closure (probably 1917-present) (Fontana 1962: 100)

Trench II topsoil (continued)

Ceramics

Earthenware

17 sherds pressed redware; probably a flowerpot; American; c. 1850 – 20th century (observation of specimens; Watkins 1968: 96, 327; Noel-Hume 1970a: 224)

1 sherd white earthenware; type object unknown; almost certainly 19th or 20th century (observation of specimens)

1 sherd creamware; type object unknown; almost certainly 1760's – c. 1850 type (observation of specimens)

1 base sherd redware; no glaze on either surface; type object unknown; 18th, 19th or 20th century; probably British or American (Miller and Stone 1970: 51-58; Ramsay 1939: 132)

2 sherds redware, brown glaze; type object unknown; dates and countries as immediately above

Trench II topsoil (continued)

Stoneware

✓ 1 piece salt glaze stoneware; grey on both surfaces; type object unknown; German, British or American; 18th – 20th centuries (Miller & Stone 1970: 74-77; Webster 1971: 28, 173, 179)

2 sherds British scratch blue stoneware; one sherd = type object unknown other sherd = saucer; (c.1740 – 1770) or (c.1750 – 1775) (Noel Hume 1969 b 19; Grimm 1970: 156; Miller and Stone 1970: 72)

✓ 1 sherd British white saltglaze stoneware; probably a tea bowl; (c. 1730 – 1770) or (as early as the 1720's) (Miller and Stone 1970: 68; Noel-Hume 1970 b 248-249; observation of specimens)

Porcelain

✓ 1 sherd Chinese ~~export~~ EXPORT porcelain; 18th century; type object unknown (observation of specimens; Miller and Stone 1970: 84)

NE Bastion Trench II predominately bright orange subsoil fill level

2 pieces mortar
7 pieces shale or slate

NE Bastion Trench II brown and yellow soils level

✓ 2 pieces wood
1 piece mortar
1 nail: iron; apparently hand wrought; ✓ head type uncertain

NE Bastion Trench II brown soil level and CCC trench fill

2 pieces tin foil
✓ 32 pieces unglazed brick
✓ 1 piece glazed brick
1 piece wood
✓ a number of pieces of charcoal; some are ✓ round in cross section and some are square in cross section
✓ 3 pieces uncooked bone; no butchering marks evident
✓ a number of pieces of mortar, stone with mortar adhering and possible concrete

✓ 2 pieces of uncolored glass; type

(continued) Trench II brown soil level and CCC trench fill

object unknown; probably 19th or 20th century (observation of specimens)

1 probable machine cut iron square nail with c. 1830 - 20th century type head.

NE Bastion Trench II CCC trench's fill

2 pieces uncolored glass; probably 19th or 20th century; type object unknown (observation of specimens)

1 apparent iron square nail; method of manufacture uncertain

1 probable iron buckle; a similar one found in a 1758-1786 archaedogical context (Grimm 1970: 56, 117)

NE Bastion Trench II charcoal

Concentration on surface of black soil and mortar level

a number of pieces of charcoal

1 apparent iron square nail fragment; method of manufacture uncertain

NE Bastion, Trench II black soil and mortar level, brown soil and mortar level and CCC trench fill combined

- ✓ a number of pieces of mortar
- ✓ a number of pieces of unglazed brick
- ✓ a number of pieces of stone with mortar adhering
- ✓ a number of charcoal pieces; round cross section

- ✓ 1 hand wrought iron nail with rose head 1700 - c. 1850
- ✓ 1 piece uncooked bone.; no butchering marks evident
- 2 pieces uncolored glass. type object unknown; probably 19th or 20th century (observation of specimens)
- 1 piece window glass (observation of specimens)

NE Bastion Trench II black soil and mortar level

- ✓ 4 pieces uncolored glass; type object unknown; probably 19th or 20th century (observation of specimens)
- ✓ 2 pieces charcoal
- 1 piece brick with mortar adhering
- ✓ 1 iron object of unknown function
- ✓ a number of ~~mortar~~ fragments. Some are apparently of the ½ sand ½ lime variety and are white. Others

(continued) Trench II black soil and mortar level

are flesh colored with little sand and may be the type found on the bottom footing stones of the existing bastion wall in Trench IV.

19 pieces unglazed brick

NE Bastion Trench II brown soil and mortar level

51 pieces unglazed brick
a number of pieces of mortar and stones with mortar adhering. The mortar seems to be of the $\frac{1}{2}$ sand $\frac{1}{2}$ lime type

1 piece unglazed brick with mortar adhering
2 pieces glazed brick
an iron object of unknown function; thin;

NE Bastion Trench II brown soil and mortar level or dull brown soil level

1 piece uncolored glass; type object unknown; probably 19th or 20th century (observation of specimens)

NE Bastion Trench II mixed soils level

1 machine cut square iron nail; apparently of the c.1830 - 20th century type (Fontana 1962: 54, 55

NE Bastion Trench II dull brown soil level

✓ 4 pieces thin iron; function unknown

✓ 11 pieces uncooked bone (9 fit together); no butchering marks evident

✓ 3 pieces glazed brick ✓
4 pieces mortar ✓
✓ 1 stone with fossils ✓
✓ 5 pieces unglazed brick ✓
✓ 2 pieces wood ✓
2 stones with mortar adhering ✓

NE Bastion Trench III topsoil

1 piece mortar
2 pieces brick
1 "musket" ball; too mutilated to determine caliber. Looks Modern. R. Kimmel informs me that the "1st Maryland Regiment" used this bastion for target practice, so ball could be one of theirs

1 piece iron wire?

1 iron wire nail; c. 1850's-20th century (Fontana 1962: 47-48)

5 hand wrought iron nails, all have rose head; 1700 - c. 1850

1 piece brown glass; apparently 19th or 20th century (observation of specimens)

1 sherd salt glaze stoneware; brown slip on one surface; probably British or American brown stoneware; 18th or 19th century (observation of specimens; Miller & Stone 1970: 77-78; Webster 1971: 35,

Trench III topsoil (continued)

✓ 1 sherd British scratch blue stoneware. identical to tea bowl sherd illustrated in Miller and Stone (1970: 73), c.1740-1770 or c.1750-1775 (Noel Hume 1969b 19)

✓ 6 sherds pressed redware, probably flowerpot; American c. 1850 - 20th century (observation of specimens. Watkins 1968: 96, 327; Noel-Hume 1970a: 224)

NE Bastion Trench III subsoil fills combined + CCC trench fill

✓ 4 pieces concrete or mortar
✓ 7 pieces unglazed brick
✓ 2 pieces mortar
✓ 1 stone with mortar adhering
2 pieces wood
1 nut fragment

✓ 1 sherd redware, brown glaze. type object unknown; probably British or American; 18th, 19th or 20th century (Miller & Stone 1970: 51-58, Ramsay 1939: 132)

✓ 3 iron square nails, method of manufacture uncertain

✓ 1 apparent iron square nail, method of manufacture uncertain

✓ bundle of thin iron wires

✓ 1 possible iron stove lid handle (observation of specimens)

(continued)
Trench III Subsoil fills combined and CCC trench fill

1 iron machine cut square nail; c. 1830 – 20th century type; (Fontana 1962: 54-55)

1 iron hand wrought square nail; head not visible

NE Bastion Trench III stone and concrete

1 large piece of concrete or mortar

NE Bastion Trench III fill of large pit-like disturbance

1 piece mortar
a number of pieces of wood; probably tree root

1 yellow metal rammer pipe for a firearm. A very similar one was found in a 1758 – 1766 context. This could be American (Grimm 1970: 74, 93-94)

NE Bastion Trench III black soil and mortar level

1 piece iron wire?
1 piece unglazed brick
a number of mortar pieces and stone with mortar adhering

5 pieces uncolored glass, type object unknown; probably 19th or 20th century (observation of specimens)

1 machine cut iron square nail c. 1830 – 20th century type

NE Bastion Trench III grey soil level

2 pieces unglazed brick
11 pieces uncooked bone; no butchering marks evident

2 pieces uncolored glass; type object unknown; 1 probably 19th or 20th century (observation of specimens); the other 18th, 19th or 20th century
1 point fragment of a triangular bayonet; note lack of flute on face. 18th century or 19th century (Hardin 1964: 12-63)

NE Bastion Trench IV backhoe dirt

4 pieces of mortar

fragment of iron buckle (observation of specimens)

1 sherd delftware; almost certainly 18th century British; type object unknown (Miller & Stone 1970: 28; Noel-Hume 1969b 12-13)

2 pieces of brick

3 pieces of stone

1 machine cut square iron nail; probably c. 1830-20th century type.

NE Bastion Trench IV topsoil

~~1 piece concrete~~

~~3 pieces mortar~~

~~8 pieces of what is either mortar or concrete~~

1 base sherd of creamware, possibly a footed bowl. This appears to be the 1760's - c. 1850 British type (Miller and Stone 1970: 43; observation of specimens)

2 definite and 1 probable hand wrought iron nails; all have rose head

12 pieces of plaster, hard grey mortar and apparent one half sand one half lime mortar

(Stone 1973: 2)

NE Bastion Trench IV brown soil and gravel level

4 pieces unglazed brick
1 thin small triangular piece of iron. Reminds me of a glazier's point

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NE Bastion Trench IV yellowish brown soil level

~~1 piece concrete. The Encyclopaedia Britannica (1973: vol 5, 153-154) indicates that this could be 18th century in date as well as 19th or 20th century~~

1 piece of mortar apparently of the one half sand, one half lime variety (Stone 1973: 2)

NE Bastion Trench V

black soil and mortar level

1 piece brown glass, type object unknown; 18th, 19th, or 20th century (observation of specimens; Brown 1971: 119)

1 sherd British scratch blue stoneware, saucer; c. 1740-1770 or c. 1750-1775 (Miller & Stone 1970: 72; Noel Hume 1969b 19; Grimm 1970: 156)

NE Bastion Trench V Mortar Lens C

~~surface of soil level~~ ~~yellowish brown~~

a number of mortar fragments, appear to be more than 50% lime but a little sand is present

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NE Bastion Trench V yellowish brown soil level

pieces of mortar, apparently the ½ sand, ½ lime variety (Stone 1973: 1-3)

~~Concrete pieces. Again, these could be 18th century in date or 19th or 20th~~

NE Bastion Trench V organic lens

1 iron nail, probably hand wrought
If hand wrought then 1700 – c. 1850

NE Bastion Trench VI ~~—~~
Mortar Lens D and ~~—~~ yellowish brown
soil level

(a ~~number of apparent concrete fragments,~~
~~Could be 18th, 19th or 20th century in~~
~~date (Encyclopaedia Britannica~~
~~1973: vol 5, 153–154~~)
pieces of mortar, apparently ½ sand and ½ lime
(Stone 1973: 1-3)

NE Bastion Trench VI organic
lens

1 flake native chert or flint;
could be man shaped by
aboriginals?

NE. Bastion sifted and unsifted spoil pile dirt

4 pieces unglazed brick
1 piece glazed brick

1 piece glass; apparently window glass (observation of specimens)

3 pieces of uncolored glass; probably 19th or 20th century. type object unknown (observation of specimens)

1 apparent machine cut iron square nail

1 piece redware; brown glaze; type object unknown

1 piece olive green glass. type object unknown

1 square nail. probably hand wrought; may have L head

1 sherd of delftware; almost certainly 18th Century British

NE Bastion Trench IV

Sample A of mortar in place in outer wall

1 piece of mortar

NE Bastion Trench IV

Sample B of mortar in place in outer wall

1 piece of mortar (apparently ½ sand ½ lime type)

NE Bastion Trench IV

Sample C of mortar in place in outer wall

1 piece of mortar (Stone 1973:3)

SE Bastion

Sample of concrete from apparent 1934 concrete support of SE Bastion; from test pit dug outside the fort's outer wall

1 piece of mortar (Stone 1973:3)

SW Bastion Trench A topsoil

1 rim sherd of opaque white glass with two parallel red bands; 18th, 19th or 20th century (Brown 1971: 126, 127; observation of specimens)

SW Bastion Trench A topsoil at extreme north end of trench

57 pieces of uncooked bone; no butchery marks evident

2 pieces of uncooked bone with butchering marks evident

5 teeth and jaw fragments

1 base sherd of brown glazed redware, small footed jar or bowl (Miller & Stone 1970: 52, 53)

1 base sherd of creamware probably of the 1760's – c. 1800 type (observation of specimens)

1 base sherd of olive green glass round bottle; c. 1760's – 1820's, probably British (Noel-Hume 1961: 100–101, 104–105; Brown 1971: 105, 152–153)

1 piece of barbed wire; assumed to be 19th or 20th century (observation of specimens)

SW Bastion Trench A topsoil

1 rim sherd of opaque white glass with two parallel red bands; 18th, 19th or 20th century (Brown 1971: 126, 127; observation of specimens)

SW Bastion Trench A topsoil at extreme north end of trench

57 pieces of uncooked bone; no butchery marks evident
2 pieces of uncooked bone with butchering marks evident
5 teeth and jaw fragments

1 base sherd of brown glazed redware, small footed jar or bowl (Miller & Stone 1970: 52, 53)

1 base sherd of creamware probably of the 1760's – c. 1850 type (observation of specimens)

1 base sherd of olive green glass round bottle; c. 1740's – 1820's; probably British (Noel-Hume 1961: 100-101, 104-105; Brown 1971: 105, 152-153)

1 piece of barbed wire; assumed to be 19th or 20th century (observation of specimens)

SW Bastion Trench B backhoe dirt

✓ 1 hand wrought iron nail (apparently headless) 1700 – c. 1850

1 tooth

✓ 1 shoe buckle fragment with a type of pin terminal found in an 1775 – 1795 archaeological context (Grimm 1970: 48, 62)

✓ 3 sherds of delftware; almost certainly British and 18th century; type object unknown

✓ 1 sherd probably of Westerwald stoneware; type object unknown 1700 – c. 1770's

✓ 1 sherd of British white saltglaze stoneware; type object unknown c. 1720's – 1770's or c. 1730 – 1770 (Miller & Stone 1970: 68–72 Noel-Hume 1970a: 114–115, 125–126

✓ 1 sherd of Bristol glaze stoneware. most likely 20th century American (type object unknown

Trench B backhoe dirt (continued)

observation of specimens)

1 piece of clay pipe and bowl

1 piece of olive green glass. type object unknown; 1700 – 1820's; French, British or American

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SW Bastion Trench B topsoil

1 sherd of redware with brown glaze; type object unknown

1 piece uncolored glass; type object unknown; molded decoration; probably 19th or 20th century (observation of specimens)

SW Bastion Trench B trash level

1 piece of lead of unknown function

SW Bastion Trench B trash level and disturbances at the same depth

- ✓ 1 piece of clay pipe stem
- ✓ 1 piece of clay pipe stem and bowl
- ✓ 1 piece of mortar
- ✓ 29 pieces unglazed brick
- ✓ 9 pieces glazed brick
- ✓ 1 piece of possible limestone; appears to have mortar on it
- ✓ 9 pieces of uncooked bone, no butchering marks evident
- ✓ 1 piece of cooked bone, no butchering marks evident
- ✓ 1 piece of clay pigeon; assumed to be 19th or 20th century American
- ✓ 4 pieces of olive green glass; 1700 - 1820's; type object unknown; French, British or American
- ✓ 1 piece of green glass; type object unknown; British, French or American 18th century or 19th century

(continued)
Trench B trash level and disturbances at some depth

4 pieces of delftware, almost certainly 18th century British; type object unknown

1 sherd of British white saltglaze stoneware; type object unknown; c. 1730 - 1770 or c. 1720's - 1770's (Miller & Stone 1970: 68-72; Noel-Hume 1970a; 114-115; 125-126)

1 sherd of British scratch blue stoneware; type object unknown; c. 1740 - 1770 or c. 1750 - 1775

1 sherd of green glazed redware; type object unknown

3 hand wrought iron nails; (one T head; 2 head treatment uncertain); 1700 - c. 1850

1 apparently machine cut square iron nail; c. 1830 - 20th century type?

8 square iron nails; method of manufacture uncertain

(continued)
Trench B trash level and disturbances at the same depth

1 shoe buckle frag; similar ones have been found in a 1758-1766 archaeological context (Grimm 1970: 48, 52, 54, 56-58)

1 knee buckle with white metal plating. Similar ones have been found in a 1758-1766 archaeological context (Grimm 1970: 48, 54, 58, 59

SW Bastion Trench C backhoe dirt

3 hand wrought iron nails; 2 definitely and 1 probably rose head; 1700-c. 1850

1 piece uncolored glass; type object unknown; 19th or 20th century

1 piece olive green glass; type object unknown; 1700-1820's; French, British ~~[illegible]~~ or American

1 sherd of brown stoneware; British or American; 18th or 19th

Trench C backhoe dirt (continued)

century; most likely a mug. sherd (Noel-Hume 1969 b: 30-31; Miller & Stone 1970: 77-78; Webster 1971: 27, 35)

SW Bastion Trench C pit-like disturbance 80.5" from north edge of disturbance to north end of trench C

2 pieces unglazed brick
1 piece uncooked bone
1 nail with rose head; apparently hand wrought

SW Bastion Trench C juncture of topsoil level and mortar and stone concentration next to outer wall

1 1850's - 20th century iron wire nail

SW Bastion Trench C juncture of topsoil level and brown soil and brick level

1 1850's - 20th century iron wire nail

SW Bastion trench C brown soil and brick level

6 pieces of unglazed brick
3 pieces of bone
1 hand wrought iron nail with T head (1700 - c.1850)

SW Bastion Trench C very large pit-like disturbance near outer wall (medium brown soil with mortar and stone)

1 piece of glazed brick
3 pieces of unglazed brick

SW Bastion Trench C
mortar lens A

4 pieces of mortar from the lens.

SW Bastion Trench C garbage level

42 pieces of unglazed brick (one with mortar adhering. This mortar appears to be identical to that found on the brick frags. from the Square 1 trash level)

10 pieces of glazed brick

10 pieces of slate or shale

3 fragments of cut stone

1 piece of possible limestone with mortar adhering. This mortar seems to be identical to that from the square 1 trash level)

3 pieces of mortar (seem to be identical to that from the square 1 trash level)

2 pieces of charcoal

25 pieces of cooked bone, no butchering marks evident

9 pieces of teeth and jaw frags.

1 piece of uncooked bone, apparently with butchering marks

110 pieces of uncooked bone, no butchering marks evident

2 clay pipe bowl frags.

1 clay pipe stem frag.

19 hand wrought iron nails (11 rose head, 1 apparently headless, 7 with heads obscured or apparently missing) 1700-c.1850

Trench C garbage level (continued)

✓ 15 square iron nails, method of manufacture unknown

✓ 1 machine cut iron nail; c1830 - 20th century type

✓ 3 straight pins; 1700 - early 19th century (Noel-Hume 1970a: 254)

1 lead round bullet; diameter approximately .72 inch; 1700 - late 19th century (Noel-Hume 1970a: 221)
"The bullet generally measured .05" to .10" smaller than the actual barrel diameter to allow for powder fouling." (Neumann 1967: 52)

X 2 sherds of delftware; almost certainly 18th century British

X 2 sherds of British white saltglaze stoneware c. 1730 - 1770 or c. 1720's - 1770's; one sherd is definitely from a hollow ware object (Noel-Hume 1970a: 114-115, 125-126; Miller & Stone 1970:

Trench C garbage level (continued)
68-72)

2 pieces of olive green glass;
type object unknown;
1700 - 1820's

SW Bastion trench C pale
yellow subsoil fill level

8 pieces of shale or slate
1 piece of unglazed brick

SW Bastion trench C brown soil
~~level~~ lens

3 pieces of brick

SW Bastion trench C occupation
level

2 pieces of cooked bone; no
butchering marks evident
1 piece of uncooked bone;
no butchering marks evident

2 sherds of British white
saltglaze stoneware; both
from a hollow ware object;
c. 1720's - 1770's or c1730 - 1770

SW Bastion trench C

occupation lens

6 pieces of uncooked bone; no butchering marks evident

3 hand wrought iron nails; rose head; 1700 - c.1850

1 probable hand wrought iron nail with rose head

SW Bastion Trench D
backhoe dirt

3 pieces of unglazed brick

6 pieces of uncooked bone; no butchering marks evident

3 sherds of delftware; almost certainly 18th century British; possibly from a plate(s) (observation of specimens)

2 sherds of British white salt glaze stoneware; c.1720's - 1770's or c.1730 - 1770; both from a hollowware object; larger one may be from a pitcher (Noel-Hume 1969 b: 18)

SW Bastion Trench E backhoe

dirt

1 glazed brick

1 2 piece metal button; This type of button has been dated as being produced in the 1760-1785 period (Olsen 1963: 551-554)

This type of button has been found in a 1726-1776 archaeological context (South 1964: 117) and a 1758-1766 context (Grim 1970: 59, 61, 63, 66

1 cannon ball (solid shot) approximately 3.5" diameter

A 1764 ordnance chart (British) states that 3.48" diameter shot were to be used with 6 pounder brass and iron cannon (Peterson 1969: 26-27, 41-42)

1 piece of olive green glass; type object unknown; 1700-1820's

Trench E backhoe dirt (continued)

3 sherds delftware; almost certainly 18th century British; type object unknown

1 sherd redware with brown glaze; type object unknown

SW Bastion Trench E topsoil

1 piece of pipe stem

SW Bastion Trench E juncture of topsoil and mixed soils level with much brick

1 hand wrought iron nail; apparently headless 1700 – c. 1850

1 sherd British white saltglaze stoneware; c. 1720's – 1770's or c. 1730 – 1770; type object unknown

1 sherd of delftware; almost certainly 18th century British; type object unknown

1 iron object; function unknown

SW Bastion Trench E disturbance

at some depth as undisturbed trash level

1 piece of iron ; most likely a nail

1 sherd of British scratch blue stoneware ; type object unknown c. 1740 – 1770 or c. 1750–1775

SW Bastion Trench E trash level

1 Tooth

8 pieces of uncooked bone ; no butchering marks evident

1 piece of uncooked bone with butchering marks

3 square iron nails with rose head ; method of manufacture uncertain

3 tips of hand wrought square nails ; 1700 – c. 1850

3 pieces of iron ; type object unknown

SW Bastion Trench E

trash level (continued)

1 piece of pipe stem

1 piece of window glass (observation of specimens; Brown 1971: 127-129

2 pieces of olive green glass; one is a neck frag. probably from a "wine" bottle; 1700-1820's (Brown 1971: 145-161; Noel-Hume 1969a: 20-21; Noel-Hume 1970a: 63-68)

1 piece of green glass from a square cornered object (possibly a medicine bottle, jar, or case bottle) 1700-20th century (Brown 1971; 108, 109, 111, 117, 162

1 complete "musket" size French gunflint (1720-1820) or (1735-?) or the French flint's "greatest

SW Bastion Trench E trash level (continued)

popularity was from the early 1700's to about 1780."
(Hamilton 1971: 62, 66; Hanson 1970: 53, 54; Hanson 1971: 110; Stone 1971: 13, 21, 22)

1 sherd of British scratch blue stoneware; type object unknown; c. 1740-1770 or 1750-1775

1 sherd of unglazed redware; type object unknown

2 sherds of delftware; almost certainly 18th century British; type object unknown

1 sherd of a Westerwald stoneware mug with GR medallion. "GR indicates, of course, that the pieces were made during the reigns of George I, II and perhaps III." (Noel-Hume 1967: 351, 352)

2 sherds of Chinese export porcelain; larger one a tea bowl rim sherd; other sherd type of object

Trench E trash level (continued)

unknown; both sherds c. 1725-1775 (Miller & Stone 1970: 82-85

SW Bastion Trench F topsoil

1 piece of delftware; almost certainly 18th century British; type of object unknown

---

SW Bastion Square 1 Topsoil

1 piece unglazed brick
1 piece glazed brick
1 piece mortar
1 piece uncooked bone; no butchering marks evident

✓ 2 iron wire nails; 1850's - 20th century

✓ 1 hand wrought iron nail, head treatment uncertain; 1700 - c.1850

✓ 1 iron object; apparently a nail

SW Bastion Square 1 topsoil (continued)

✓ 1 piece uncolored glass, probably 19th or 20th century; type object unknown (observation of specimens)

✓ 1 sherd of delftware; almost certainly 18th century British; type object unknown

✓ 3 sherds of redware; type object unknown; brown glaze

✓ 1 sherd of porcelain; type object unknown; Oriental 18th, 19th or 20th century (observation of specimens)

✓ 1 sherd of British teapot cover; most likely white saltglaze but could be scratch blue (Grimm 1970; 156; Harrington 1970; 53)

SW Bastion Square 1 concrete and stone on surface of subsoil fill level

a number of pieces of concrete or mortar and some stones with some adhering

SW Bastion Square 1

Mixed level

9 pieces of clay pigeon; assumed to be 19th or 20th century (observation of specimens)

1 piece glazed brick

1 piece of iron of unknown function

1 tooth frag.

1 sherd of British scratch blue stoneware; type object unknown; c. 1740–1770 or c. 1750–1775

SW Bastion Square 1 CCC trench fill

19 pieces unglazed brick

4 pieces of glazed brick

1 piece of stone with mortar adhering

2 pieces of slate or shale

16 pieces of uncooked bone; no butchering marks evident

2 pieces of cooked bone; no butchering marks evident

Square 1 CCC trench fill (continued)

4 pieces of clay pigeon; assumed to be 19th or 20th century; (observation of specimens

1 piece of clay pipe stem

1 piece of olive green glass; type object unknown; 1700 - 1820's

1 sherd brown glazed redware; type object unknown

1 iron object of unknown function

2 hand wrought iron nails (1 T head other head uncertain) 1700 - c.1850

2 square iron nails; method of manufacture unknown

SW Bastion Square 1 trash level

10 uncooked bone frags. with butchering marks

9 cooked bone frags. with butchering marks

289 uncooked bone frags; no butchering marks evident

55 pieces unglazed brick; no mortar adhering

SW Bastion Square 1 trash level
(Continued)

✓ 1 piece unglazed brick with mortar adhering

✓ 29 pieces glazed brick, no mortar adhering

✓ 3 pieces of ~~[illegible]~~ glazed brick with mortar adhering

✓ 25 pieces of slate or shale

3 pieces of possible limestone

✓ 3 pieces of cut stone; 2 with mortar adhering

✓ 4 pieces of mortar

✓ 1 piece of slag

✓ 2 pieces of fossil sponge

✓ 2 pieces of lead of unknown function

✓ 3 hand wrought iron nails with rose head; $1\frac{1}{8}$" long; 1700 – c. 1850

✓ 16 hand wrought iron nails (15 rose head; 1 T head); $2\frac{1}{4}$" – $2\frac{3}{8}$" long; 1700 – c. 1850

✓ 3 hand wrought iron nails with rose head; $1\frac{7}{8}$" long; 1700 – c. 1850

✓ 21 hand wrought iron nail fragments 1700 – c. 1850

1 T head!
other heads are rose

Square 1 trash level (continued)

1 iron object; possibly a firearm sear (observation of specimens)

1 rectangular piece of thin iron; type object unknown

1 2 piece metal button eye drilled through shank cast integrally with back ½
Identically constructed buttons have been found in a 1758-1766 archaeological context and a 1754 archaeological context (Grimm 1970: 10-11, 59, 75; Harrington 1970: V, 49, 52)

1 fragmentary French gunflint; possibly "rifle" size; (1720-1820) or (1735-?) or the French flints' "greatest popularity was from the early 1700's to about 1780." (Hamilton 1971: 62, 66; Hanson 1970: 53, 54; Hanson 1971: 110;

Square 1 trash level (continued)

Stone 1971: 13, 21, 22

"The English flints first appear around 1750 but by 1775 only 5% of the gunflints found even on British comp sites are English, the other 95% being French." (Hamilton 1971: 72)

11 pieces of clay pipe stem

2 ~~[illegible]~~ clay pipe mouth pieces (observation of specimens)

5 pieces of clay pipe bowl

2 pieces of clay pipe stem and bowl. The heelless one is of a type produced in the 1720 - 1820 period. The heeled one with molded heart (maker's mark) is of a type produced in the 1700 - 1770 period or a type produced in the 1730 - 1790 period (Noel-Hume 1970a: 303-305)

one on each side of the heel

Square 1 trash level (continued)

All these pipe frags are probably British (Noel-Hume 1970a: 307; Walker 1971: 83, 85, 90)

1 piece of green glass; base of an octagonal bottle; 1730's - early 19th century; British, French or American; could be a snuff bottle, wine bottle, blacking bottle, mustard bottle, or bottled fruit bottle (Brown 1971: 100, 105, 106, 113, 118-119, 160-161; Noel-Hume 1961: 95, 100; Noel-Hume 1969a: 20-21, 43)

3 sherds of olive green glass; type object uncertain 1700-1820's; British, French or American

Square 1 trash level (continued)

2 pieces olive green glass; place + date of manufacture as above; probably frags. of kick-ups of round bodied wine bottles (Brown 1971: 144-163; Noel-Hume 1970a: 63-68)

1 piece of glass; color unknown; type object unknown; place + date of manufacture uncertain

1 green glass jewel used in finger rings + cuff links. Same type jewels have been found in a 1715-1781 archaeological context and a 1758-1766 archaeological context (Peterson 1964: 60; Grimm 1970: 59, 70-71)

1 bone button; same type has been found in a 1758–1766 archaeological context, 1726–1865 archaeological context, and a 1715–1781 archaeological context (Peterson 1964: 5, 59, 60; Grimm 1970: 59, 68; South 1964: 119)

These had a cloth cover "which extended over the whole button surface and was gathered at the hole in the back for fastening to the garment." (Hagerty n.d.)

3 sherds of British white saltglaze stoneware, rim sherd most likely from a mug or posset cup; other 2 sherds type object unknown; c. 1730–1770 or c. 1720's – 1770's (Miller & Stone 1970: 68; Noel-Hume 1970a: 114–115, 125–126; Noel-Hume 1969b:

Square 1 Trash Level (continued)

; Noel-Hume 1970b: 248-249, 252)

type object unknown → 1 sherd of either British white saltglaze or British scratch blue stoneware; dates as above ~~and~~ below

1 sherd of a British scratch blue tea bowl; c. 1740-1770 or c. 1750-1775 (Miller & Stone 1970; 72, 73; Noel-Hume 1969b; 18, 19)

type object unknown → 1 sherd of grey or brown saltglazed stoneware; German, British or American; 18th century - 20th century; Miller & Stone 1970: 74-77; Webster 1971: 28, 173, 179)

Square 1 trash level (continued)

5 sherds Chinese export Porcelain
2 sherds = type object unknown; 18th century? (observation of specimens)
1 tea bowl sherd, hard painted underglaze blue design; rim motif like that used on Ch'ien Lung reign (1736-1795) pieces (Miller & Stone 1970: 85; Osgood n.d.: xiii, plates 13, 59)

1 tea bowl sherd; greenish tinted glaze; 18th century? (observation of specimens; Miller & Stone 1970: 81, 85)

1 rim sherd with overglaze decoration; possibly a plate; 18th century? (observation of specimens)

3 sherds of redware with green glaze. Sherds of the same basic type have been dated as

Square 1 trash level (continued)

"18th century" and their country of origin as "probably France or England. Possibly North American." (Miller & Stone 1970; 56-58)

2 sherds of Brown glazed redware; one sherd type object unknown; Sherds of the same type have been dated as "18th century" and their country of origin as "England, France, or North America" (Miller & Stone 1970; 51-56

The other sherd is almost identical to a mug of "18th century" date whose country of origin is "probably North American or English" (Miller & Stone 1970; 52-53)

Square 1 trash level (continued)

27 pieces of delftware

22 sherds type object unknown

1 base sherd in underglaze hand painted blue and purple; A similar sherd has been dated "mid-eighteenth century" and attributed to Bristol (Miller & Stone 1970: 34-35)

1 rim sherd; possibly from a plate (observation of specimens)

2 rim sherds; possibly from a cup, saucer, mug or bowl (observation of specimens; Noel-Hume 1969b: 15; Noel-Hume 1969c: 39

1 rim sherd most likely from a mug or bowl (Noel-Hume 1969b: 15;

Square 1 trash level (continued)

Noel-Hume 1969c:
39

All of this delftware is
probably British.
Noel-Hume 1969 b: 12 =
"The English Navigation Acts
required that all merchandise shipped to the
colonies should be carried on British ships
out of English ports. Therefore, if
European delftware, maiolica, or faience
might not enter Britain, [Under an
embargo on such wares] it could
not be available to be shipped
out again to America."

Miller & Stone 1970: 42, 44 =

"In attempting to ascertain with some
degree of precision the years in which
cream-colored earthenware first began to be
imported in volume, it is of interest to
note that comparatively small amounts
of this ware have been found at Fort
Ligonier, Pennsylvania, which was
decommissioned in 1766. Further
practically no cream-colored earthenware
has been recovered at the Fortress of

Square 1 trash level (continued)

Louisbourg which was destroyed by the English and colonials in 1760. The English remained at Louisbourg until ~~1768~~ about 1768, but little cream-colored earthenware seems to have been present. ---
the dearth of cream colored earthenware at Fort Ligonier and Louisbourg suggests that the majority of Michilimackinac's cream colored wares were imported after about 1770."

p. 42 Miller & Stone 1970
By 1770, "cream-colored wares had become a major ceramic export, increasingly replacing delft and white saltglazed stoneware as a staple in the trade."

THUS, SINCE NO CREAM WARE WAS RECOVERED FROM THE TRASH LEVEL AND SINCE NO ARTIFACTS FROM THE TRASH LEVEL ARE KNOWN TO DATE NO Earlier THAN C. 1770, THE TRASH LEVEL CAN (Based on the limited sample present) DATE

Square 1 trash level (continued)

NO LATER THAN C. 1770.
ALL Artifacts WERE THUS MADE
~~AND DISPOSED~~ SOMETIME BEFORE
C. 1770.

SW BASTION Square 2 Topsoil

✓ 4 pieces unglazed brick
✓ 1 piece mortar
✓ 1 piece cooked bone; no butchering marks evident
1 piece uncolored glass; probably 19th or 20th century; type object unknown (observation of specimens)
1 1850's – 20th century iron wire nail
1 machine cut square iron nail
1 rose head square iron nail; probably hand wrought; 1700–C. 1850
1 piece delftware; type object unknown; almost certainly 18th century British

SW Bastion Square 2 juncture of topsoil and orange and organic soils level

1 piece of concrete or mortar

SW Bastion Square 2 trash concentration

1 clasp knife (pocketknife) with bone handle. An identical one was found in a 1758-1766 archaeological context and also in a 1776-1783 context (Grimm 1970: 102, 146; Peterson 1968: 151

GET DATE

1 sherd of white earthenware (Pearlware?), 1779 - c. 1850, type object unknown (observation of specimens. Noel-Hume 1970a: 128-133)

1 lead round bullet; approximately .69 diameter; 1700 - late 19th century; appears slashed with a knife (Noel-Hume 1970a: 221)

SW Bastion Square 2

trash concentration and garbage level artifacts mixed
(mix of garbage level & trash concentration)

✓31 pieces of unglazed brick
✓7 pieces of glazed brick
✓1 piece of charcoal
✓1 piece of slate or shale

2 pieces of uncooked bone; no butchering marks evident

✓3 hand wrought iron nails with rose head; 1700 - c. 1850

✓1 square iron nail; apparently c. 1830 - 20th century machine cut type

✓4 square iron nails; method of manufacture unknown

✓2 apparent square iron nails; method of manufacture unknown.

SW Bastion Square 2 occupation level

3 pieces of charcoal

SW Bastion Square 3 topsoil

1 1850's - 20th century wire iron nail

1 1700 - c. 1850 hand wrought iron nail with rose head

1 sherd of redware with carmel glaze; type object unknown

SW Bastion Square 4

30 pieces of mortar

7 pieces of concrete or mortar

2 cut stone frags with mortar adhering

1 piece of iron; possibly wire

3 pieces uncolored glass; type object unknown; 18th, 19th or 20th century (observation of specimens

1 sherd brown glazed redware; type object unknown

(Continued)

SW Bastion Square 4 topsoil

1 sherd gray saltglaze stoneware; U.S. or Canadian; c. 1800 – 20th century; type object unknown (Webster 1971: 28, 40, 173, 179

SW Bastion Square 5 topsoil

5 pieces uncooked bone; no butchering marks evident

✓ 1 piece brown glaze redware; type object unknown

✓ 2 hand wrought iron nails (1 T head, 1 rose head) 1700 – c. 1850

✓ 1 square iron nail; method of manufacture unknown

2 pieces glass (one light green tint, other uncolored) type object unknown; 18, 19th or 20th century

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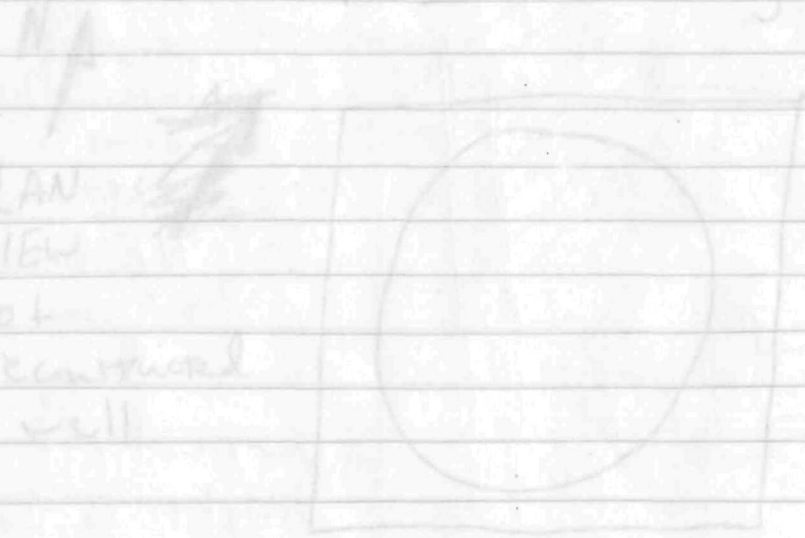
NE Bastion
Additional Notes

Vertical reference points and NE Height for

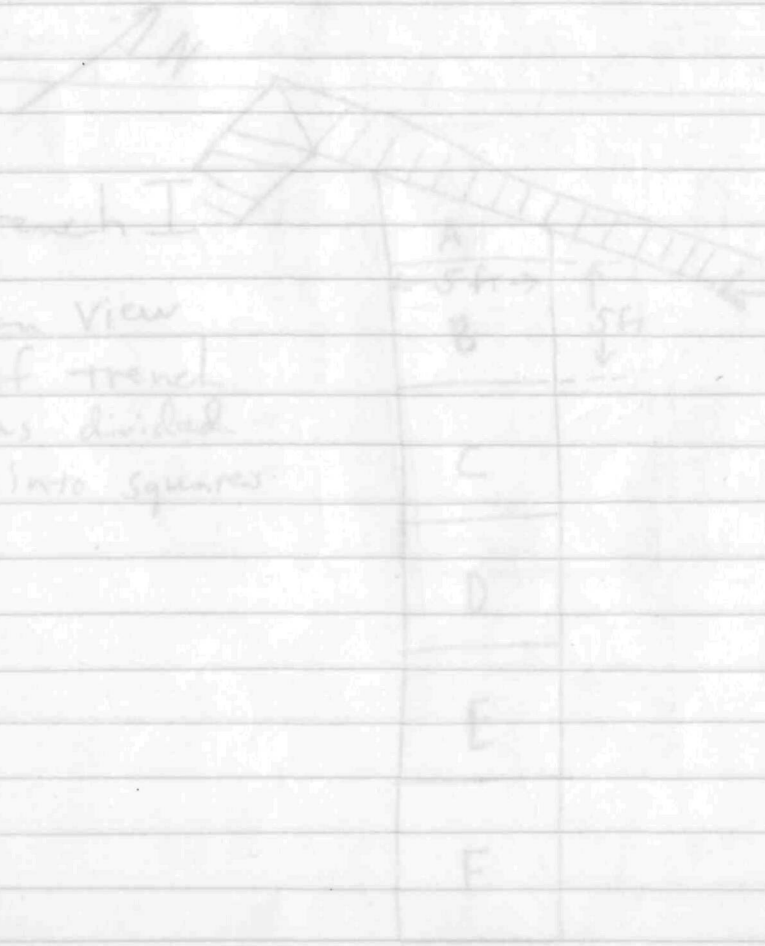
Trench I 2 to Wall [illegible] A



PLAN VIEW of reconstructed well

vertical reference point is the extreme NE corner of the well base.

Vertical reference height (height from which all depths for trench I drawings were taken) is $8\frac{3}{8}$" above this point.



Trench I

Plan view of trench as divided into squares

existing bastion wall

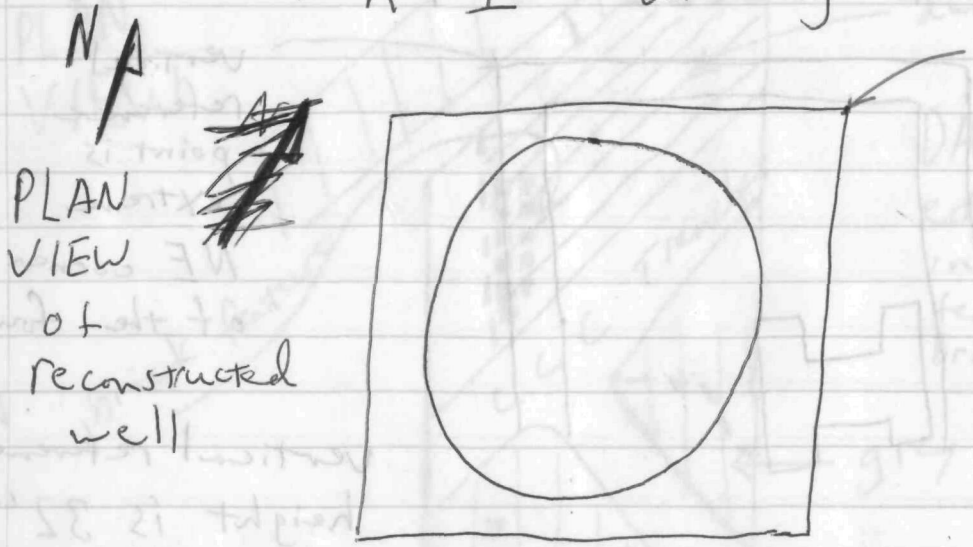
All squares except "A" are 5 feet x 5 feet

NE Bastion

Additional Notes

NE Bastion
Additional Notes

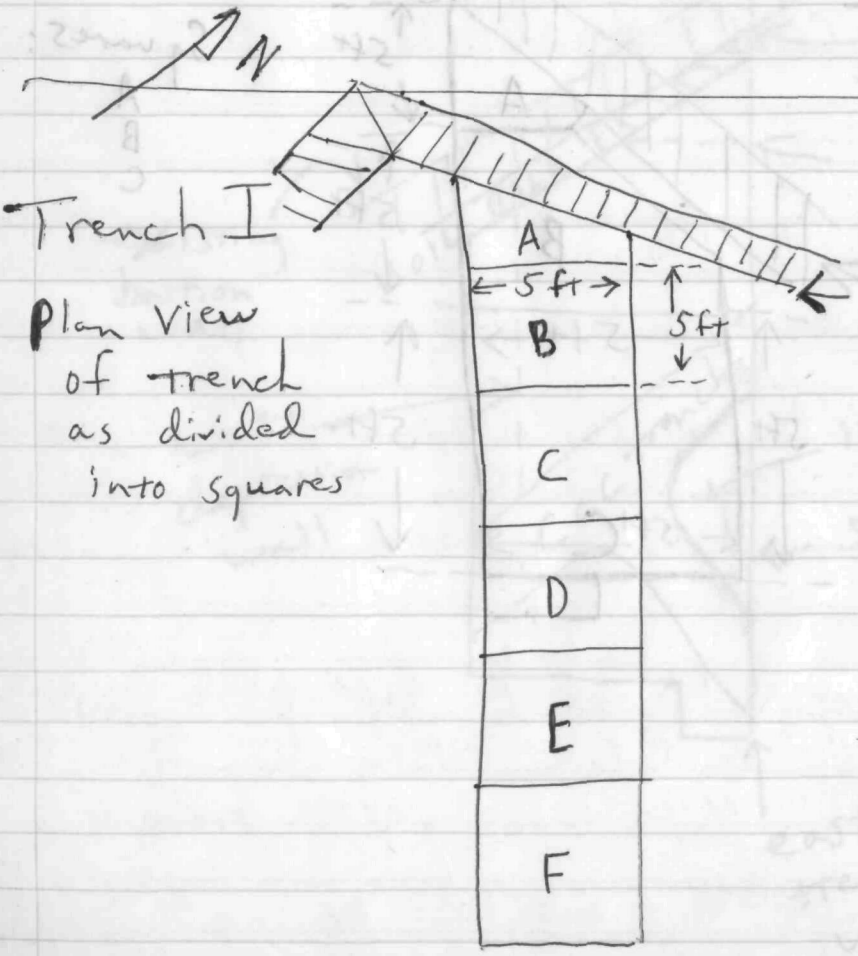
Vertical reference point and height for Trench I drawings



PLAN VIEW of reconstructed well

vertical reference point is the extreme NE corner of the well base.

vertical reference height (height from which all depths for trench I drawings were taken) is $8\frac{3}{8}$" above this point.

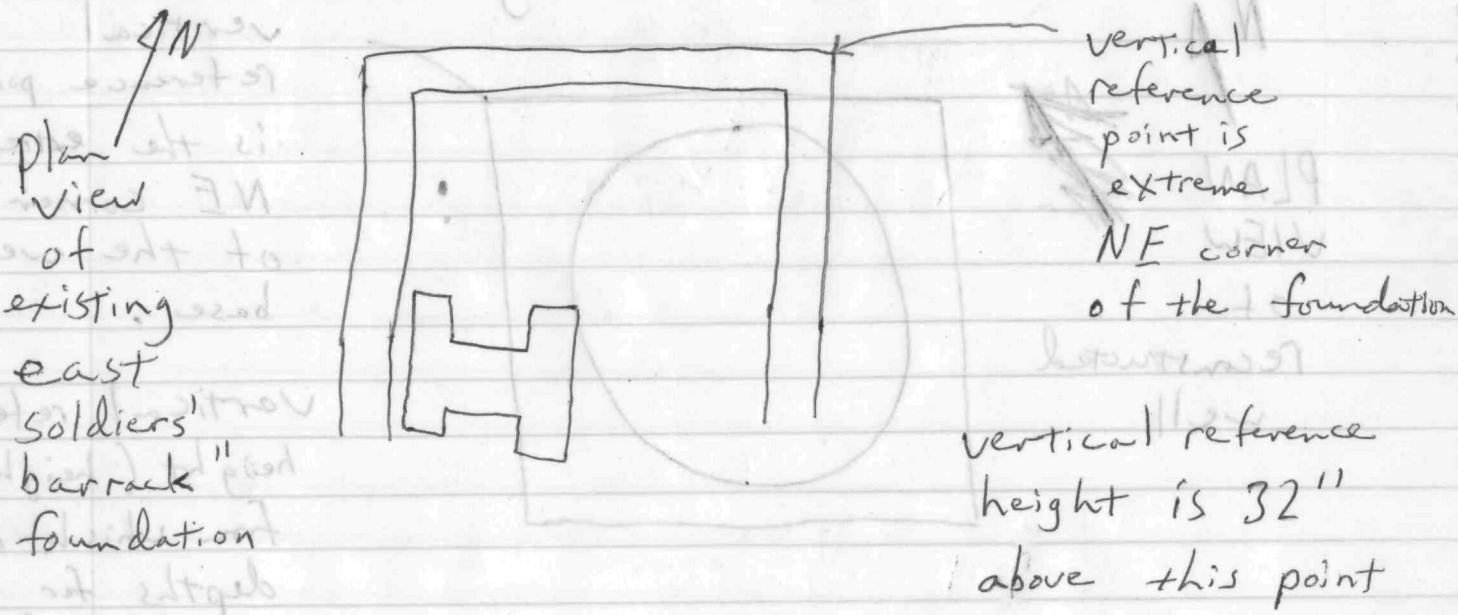


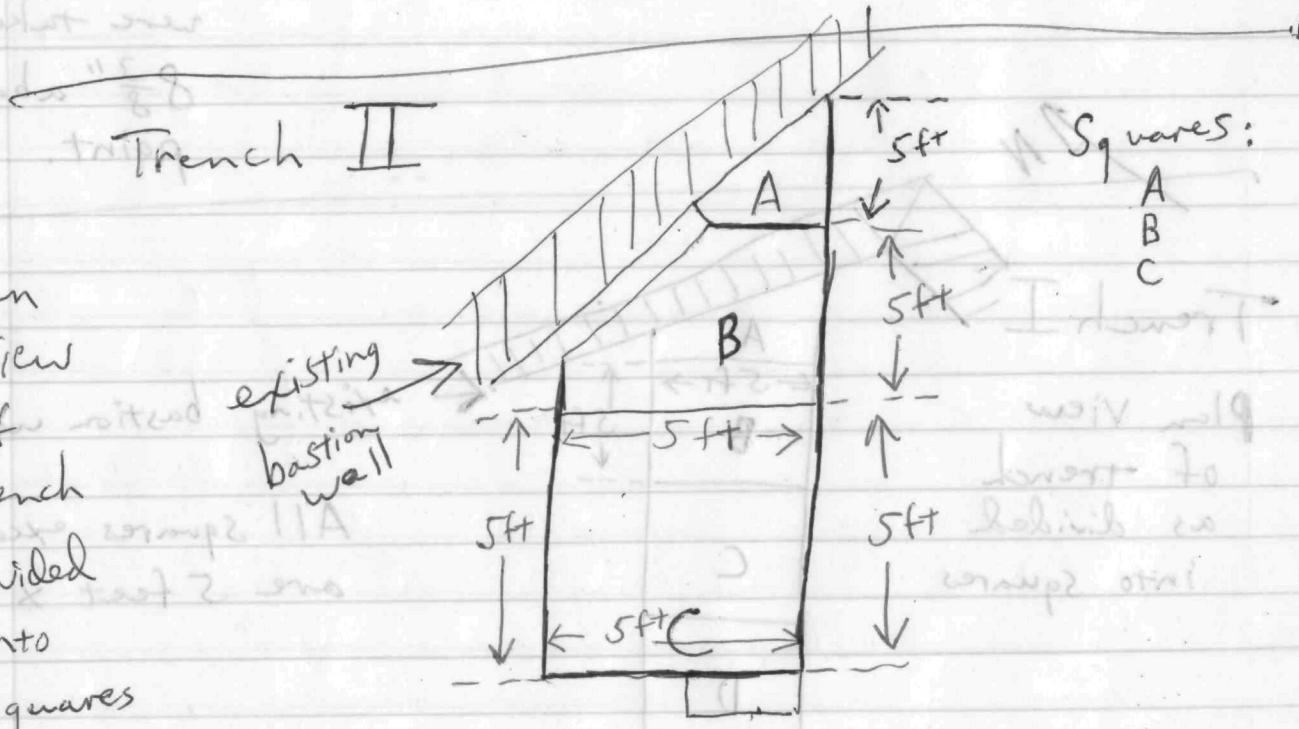
Plan view of trench as divided into squares

All squares except "A" are 5 feet x 5 feet

Trench II

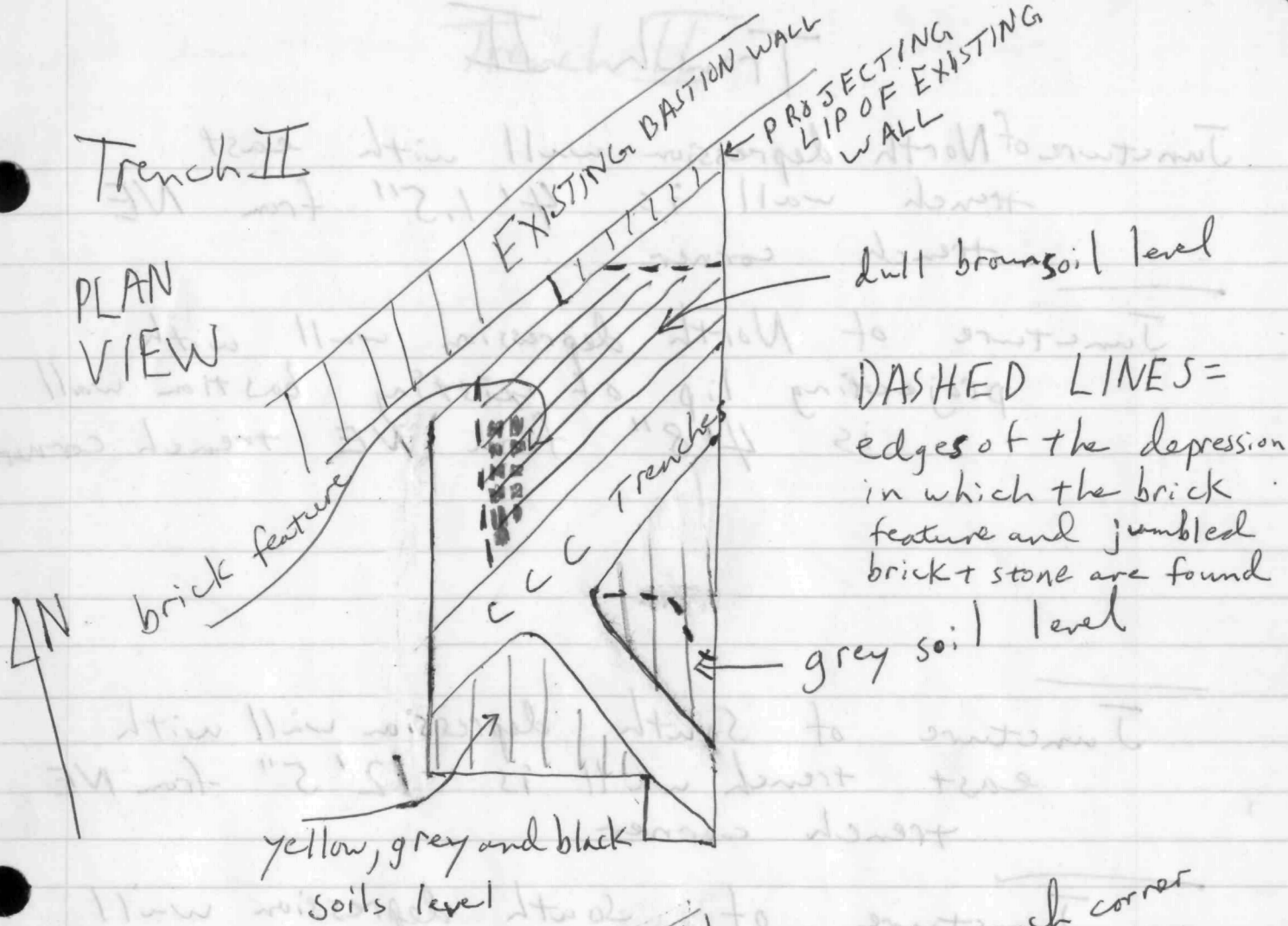
vertical reference point and height

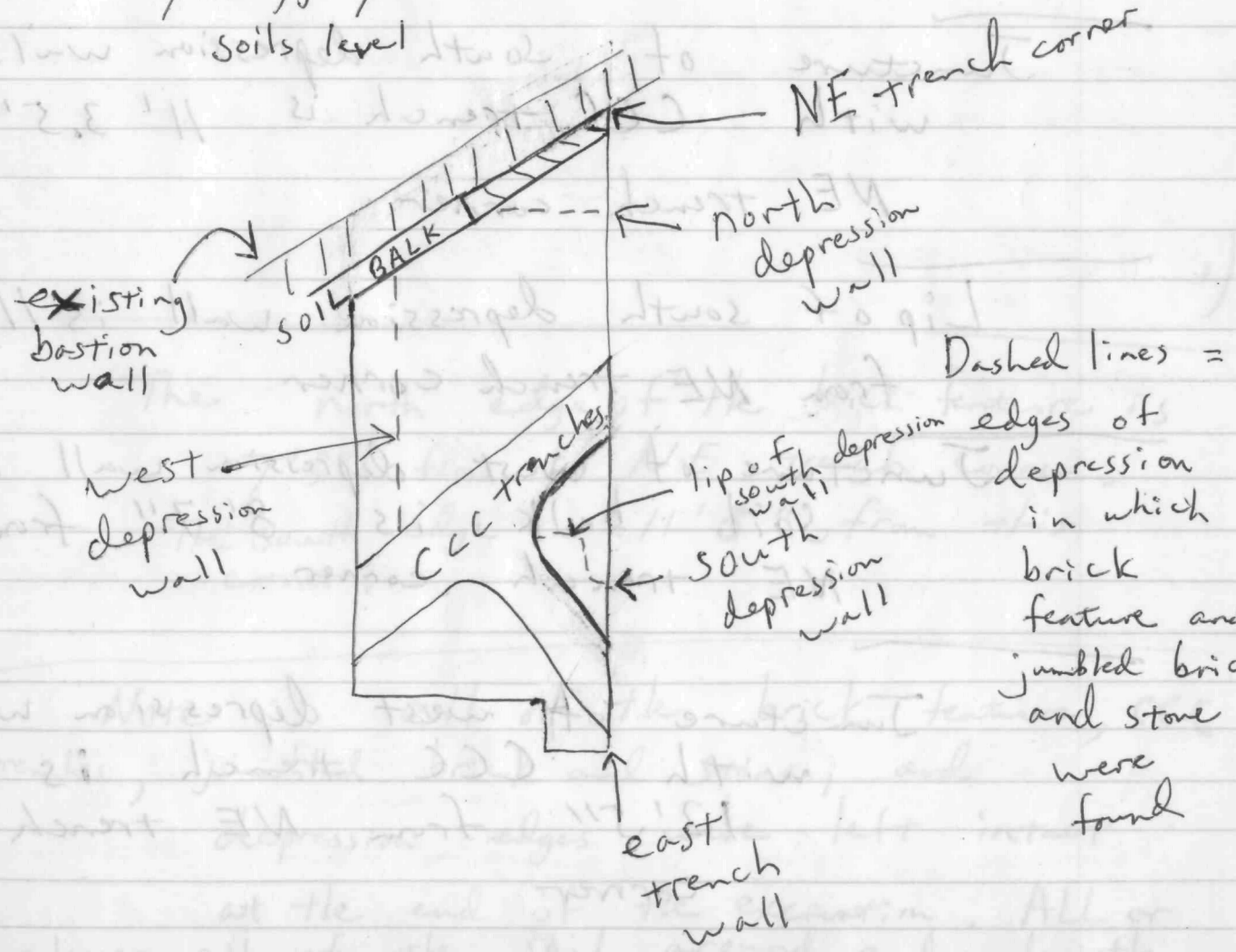




Trench II

PLAN VIEW





Trench II

Juncture of North depression wall with east trench wall is 4' 1.5" from NE trench corner

---

Juncture of North depression wall with projecting lip of existing bastion wall is 4' 8" from NE trench corner.

Juncture of South depression wall with east trench wall is 12' 5" from NE trench corner

---

Juncture of South depression wall with CCC trench is 11' 3.5" from NE trench corner

---

Lip of south depression wall is 11' 6" from NE trench corner

Juncture of west depression wall and soil balk is 8' 7" from NE trench corner

---

Juncture of west depression wall with CCC trench is 12' 5" from NE trench corner

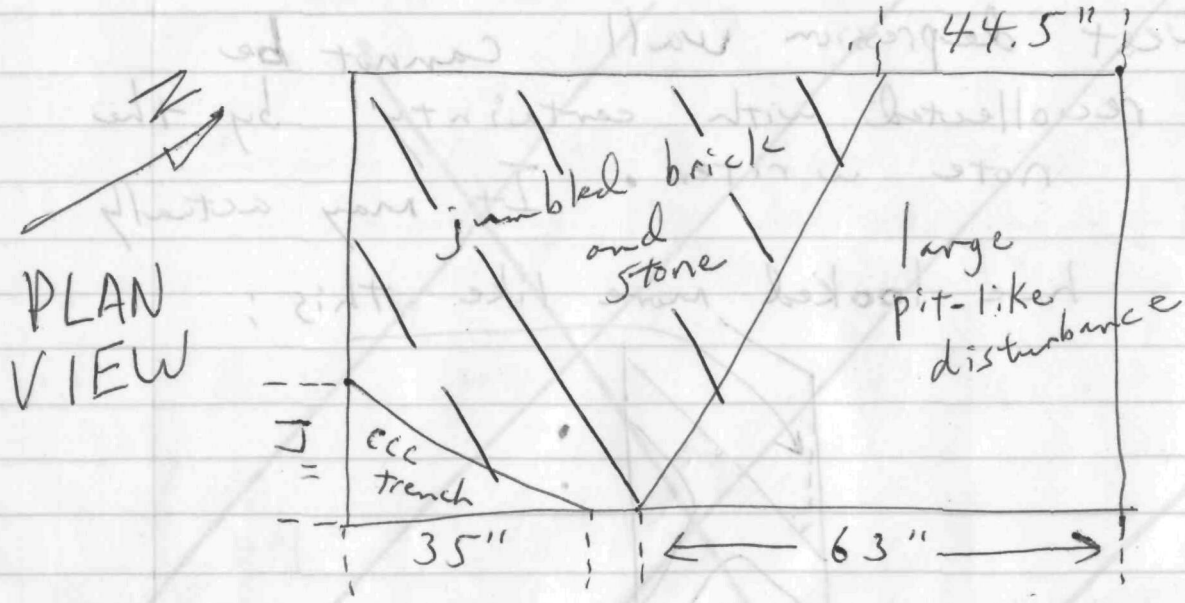
Trench II

The north edge of the brick feature is 7'8" from the NE trench corner. The south edge in 11'5" from this corner.

Note: all of the brick feature, CCC trenches, jumbled brick and stone, and depression edges were left intact at the end of the excavation. ALL or almost all of the soil around and under the

jumbled brick and stone was removed however.

Trench III



Again in this trench (Trench III), All or almost all of the grey soil level soil was removed from around and under the jumbled brick and stone, but all the jumbled brick and stone, the ccc trench, * were left intact at the end of the project.

* and the large pit-like disturbance

Trench IV

Location of Mortar samples A, B, C collected as in situ samples from the existing NE bastion wall.

A = 38" below present ground surface

B = 3" below present ground surface

C = 2" above present ground surface

Trench V

Mortar Lens C was 28"–29" below present ground surface. It was 12.5" from the existing bastion wall in the north trench wall and 4.5" from the existing wall in the south trench wall.

The hard level was 9"–12" from existing bastion wall in the north trench wall

---

Trench V

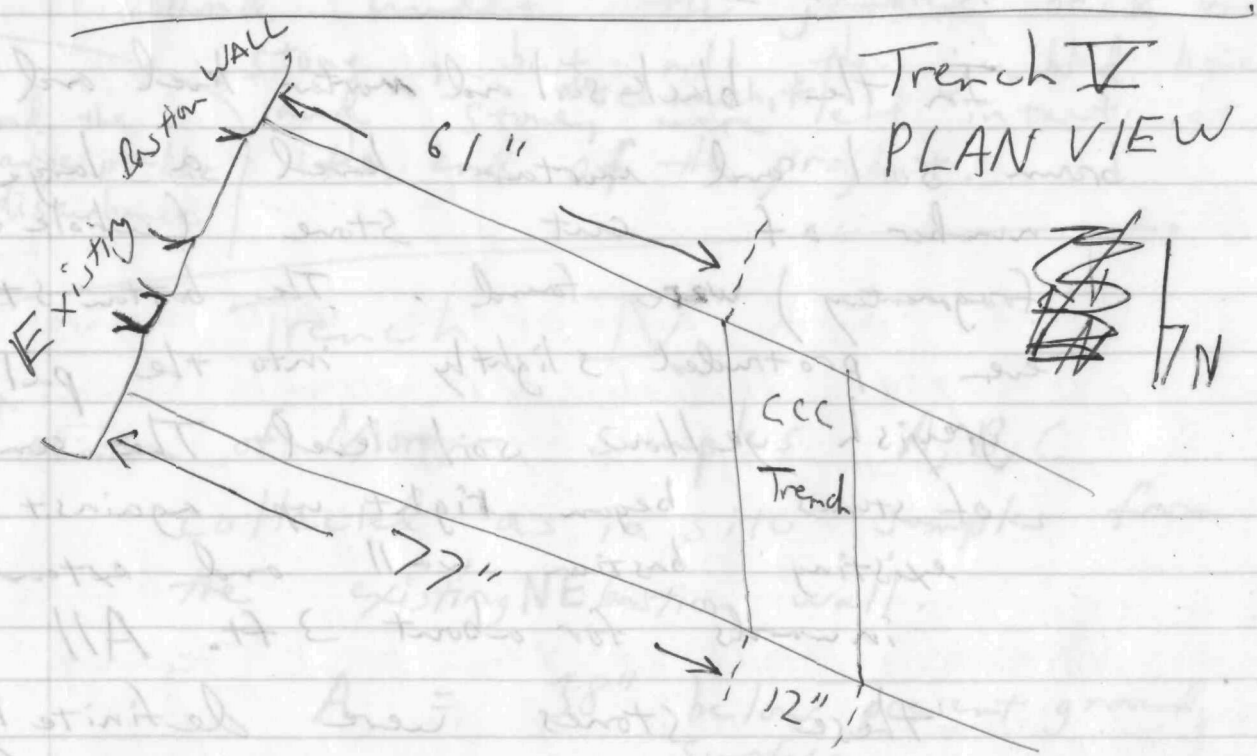
In the black soil and mortar level and brown soil and mortar level a large number of cut stone (whole and fragmentary) were found. The bottom stones ever protruded slightly into the pale greyish yellow soil level. The concentration of stones began right up against the existing bastion wall and extended inwards for about 3 ft. All these stones were definitely fallen rubble material, apparently from the existing bastion wall.

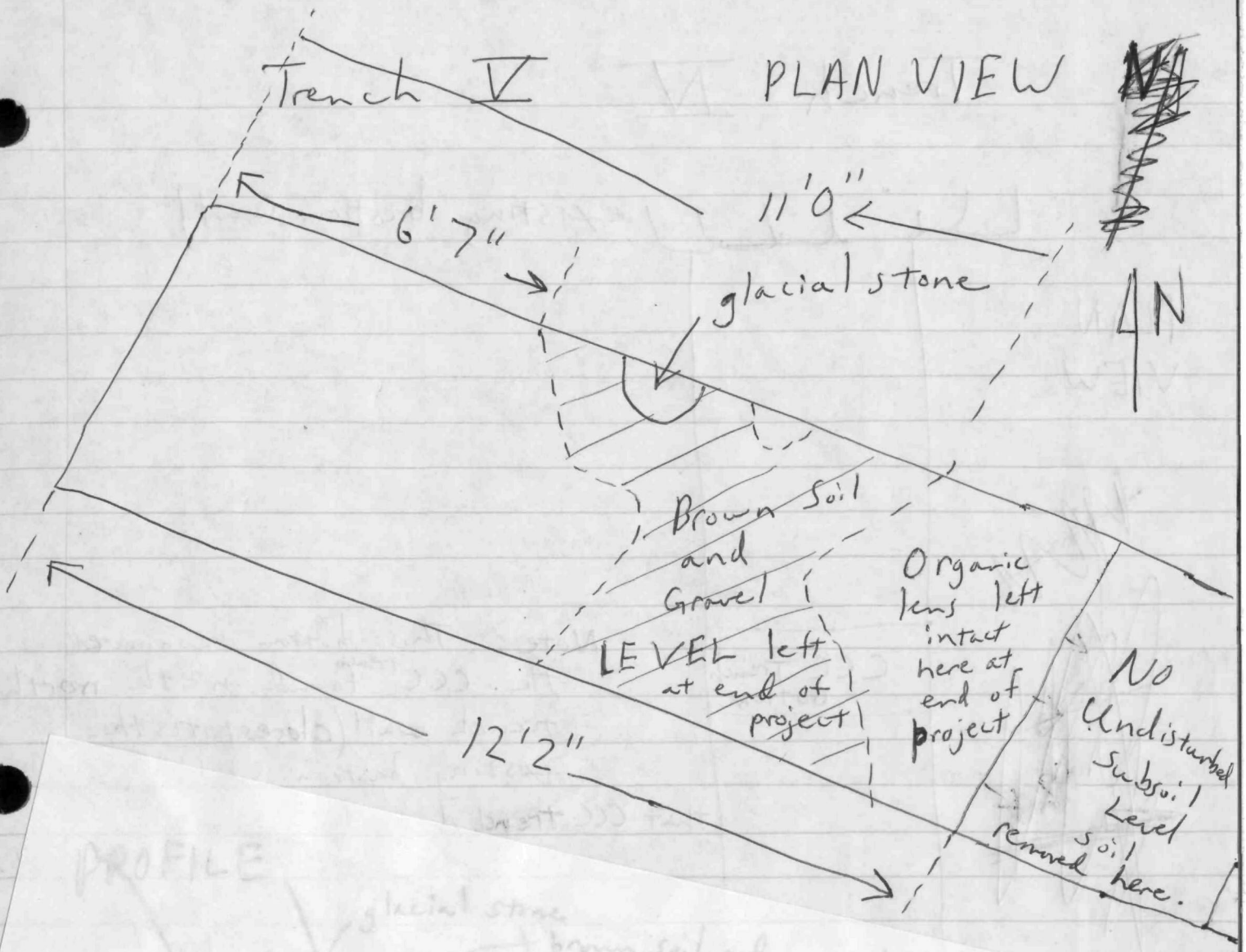
Trench V

Concentration of stones

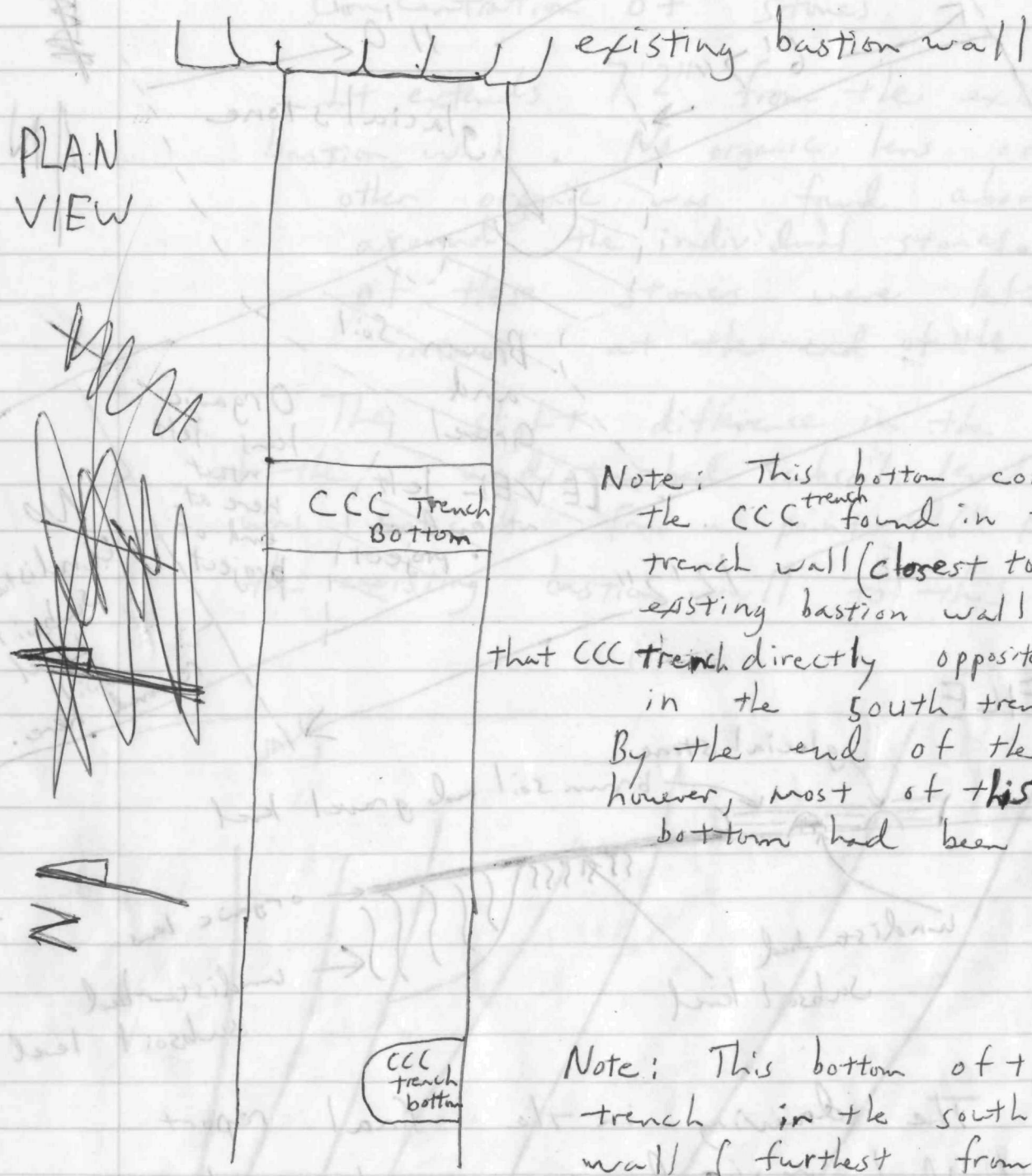
It extends 7'2" from the existing bastion wall. No organic lens or other organic was found above it or around the individual stones. All of these stones were left intact at the end of the project.

The slight difference in the color of the undisturbed subsoil level soil was noticed from a point 9'6" from the existing bastion wall to this wall.




Trench V
PLAN VIEW
N
11'0"
6'7"
glacial stone
N
Brown Soil and Gravel LEVEL left at end of project
Organic lens left intact here at end of project
No Undisturbed Subsoil Level soil removed here.
12'2"

Trench IV



Note: This bottom connected the CCC trench found in the north trench wall (closest to the existing bastion wall) with that CCC trench directly opposite it in the south trench wall. By the end of the project, however, most of this trench bottom had been removed.

Note: This bottom of the CCC trench in the south trench wall (furthest from the existing bastion wall) may have connected the south wall section with the section of the CCC trench furthest from the existing bastion wall found in the north wall directly opposite to it.

69¢

Newleaf
THEME BOOK

100
SHEETS

10½ x 8
INCHES

01-100

A product of New York Loose Leaf, New York, N.Y. 10452

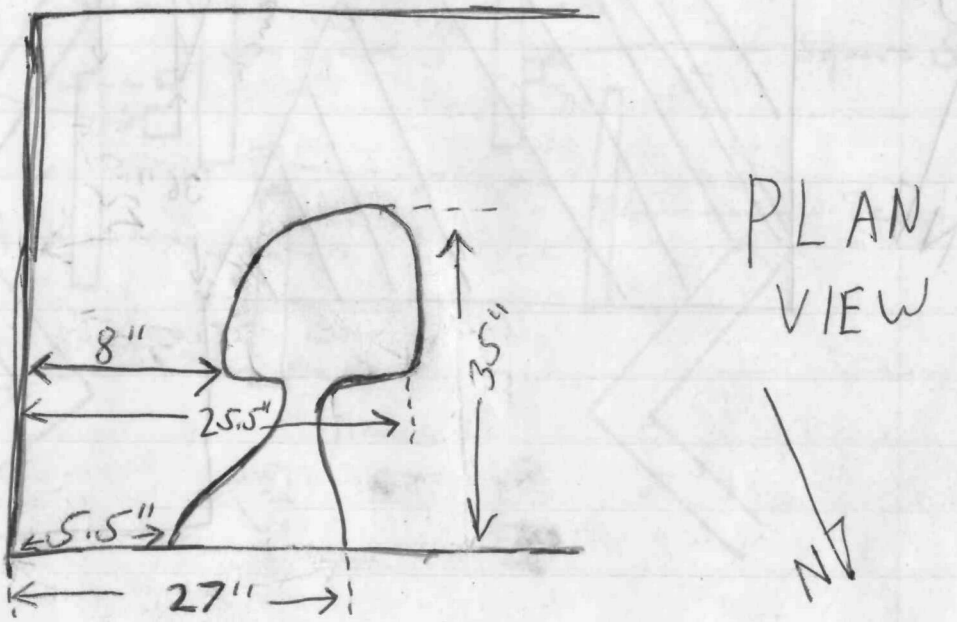
NOTES ON A PRELIMINARY ARCHAEOLOGICAL INVESTIGATION OF The NE and SW BASTIONS OF FORT FREDERICK, Big Pool, Maryland October 4 – November 15, 1973

William Liesenbein, Archaeologist

SW Bastion Square 1

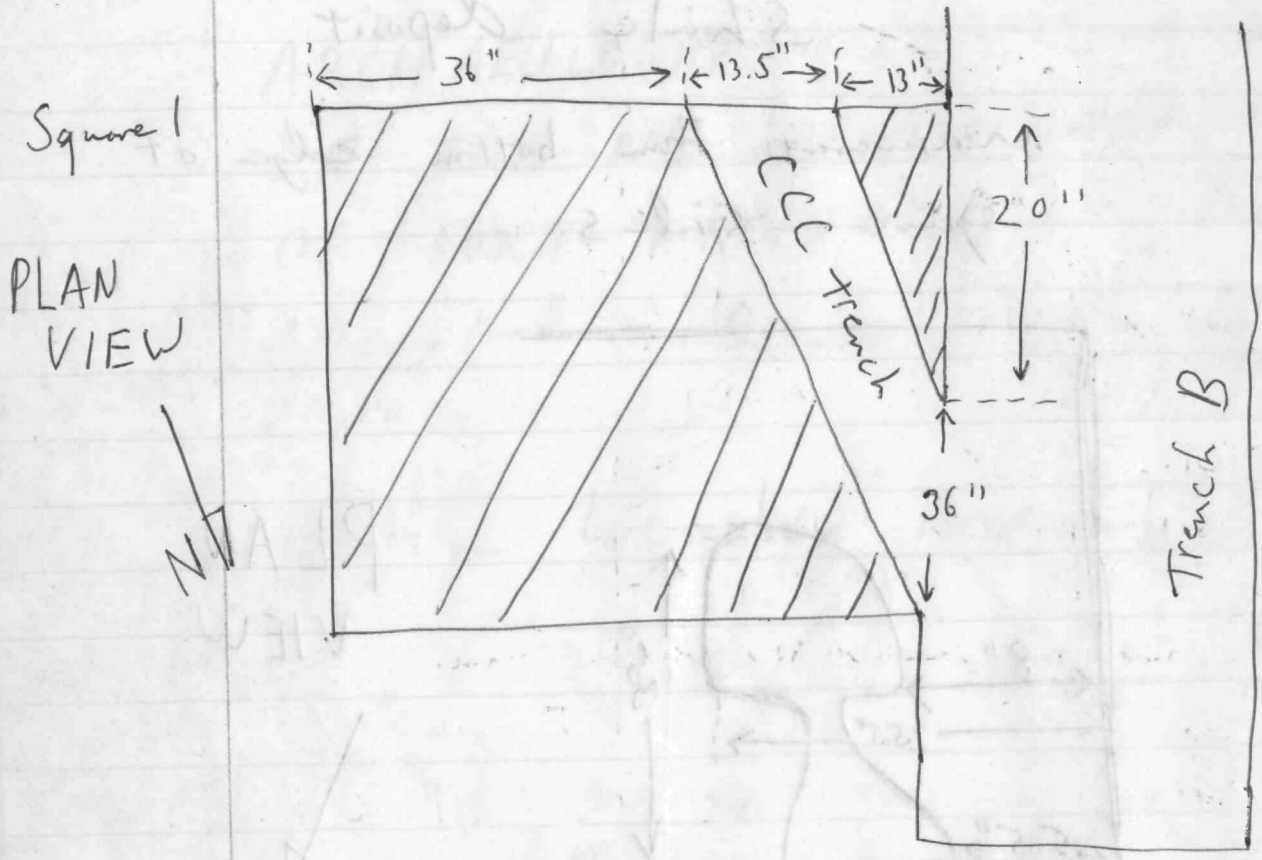
Shale deposit

measurements from bottom edge of square sides



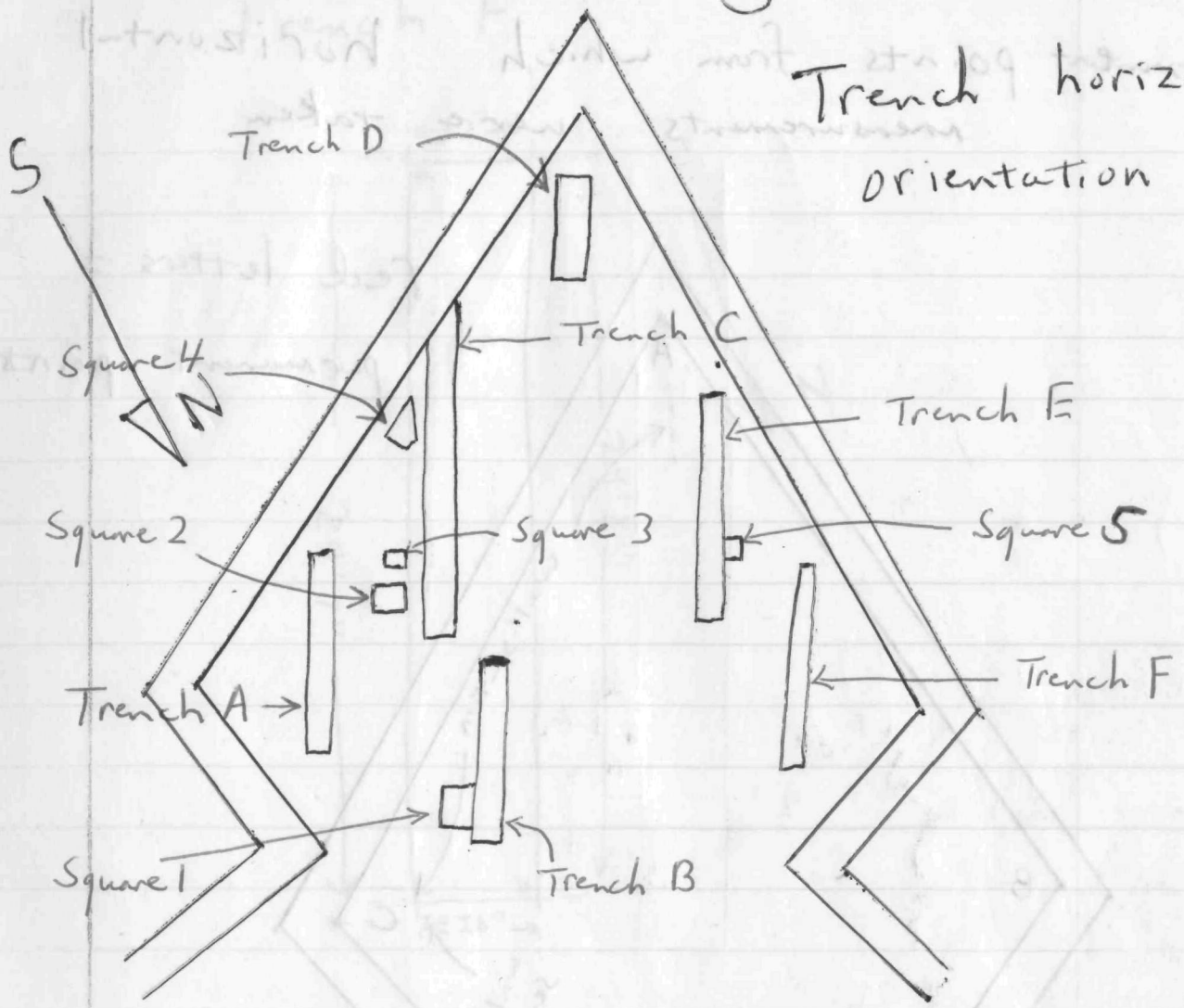
This deposit could have been present before the trash was dumped in or could have been the first trash thrown in. There appears to be little or no trash around or under the shale fragments. Small portions of the deposit were removed and then replaced to determine

What was under the deposit.



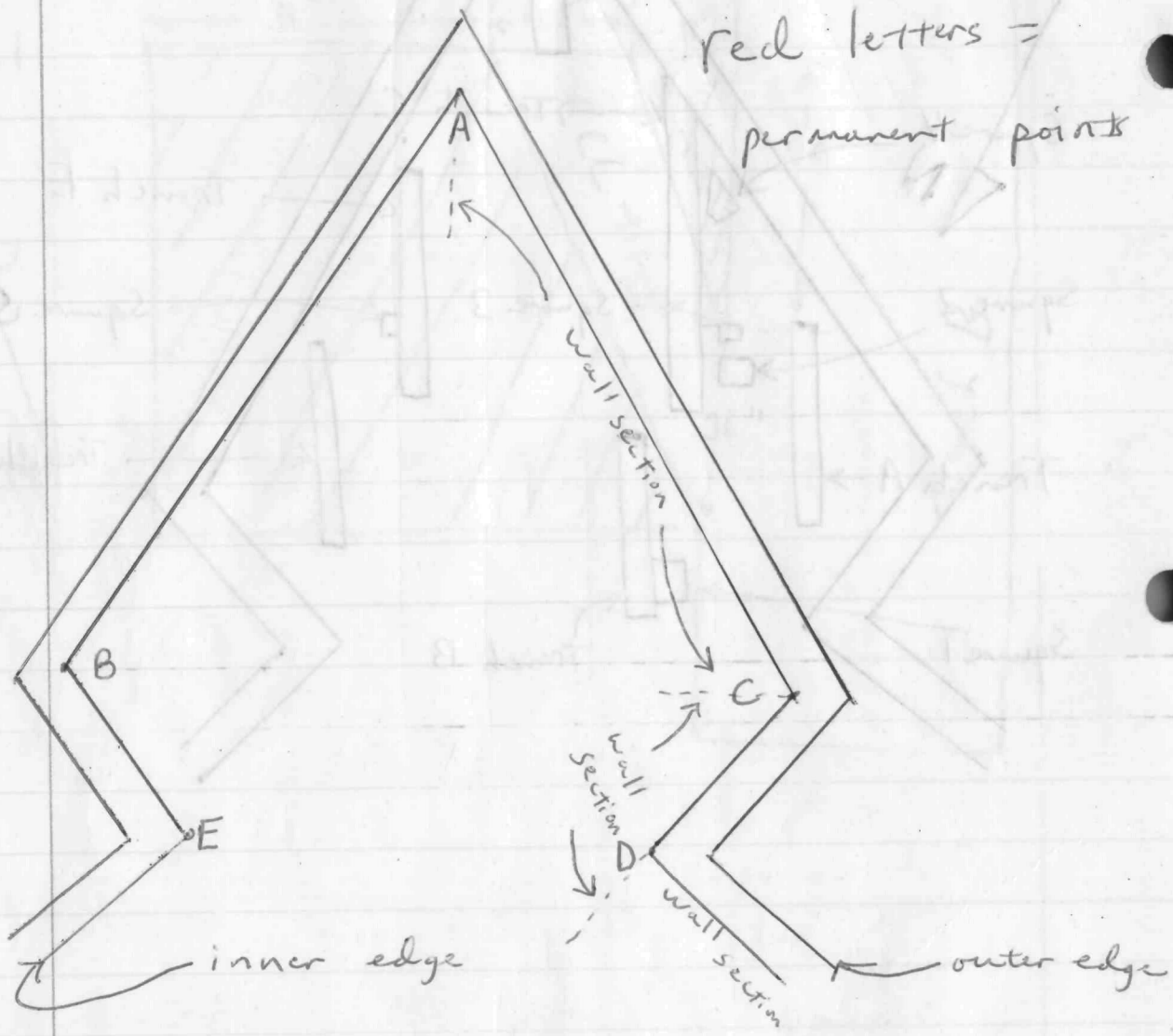
SW BASTION

Trench horizontal orientation



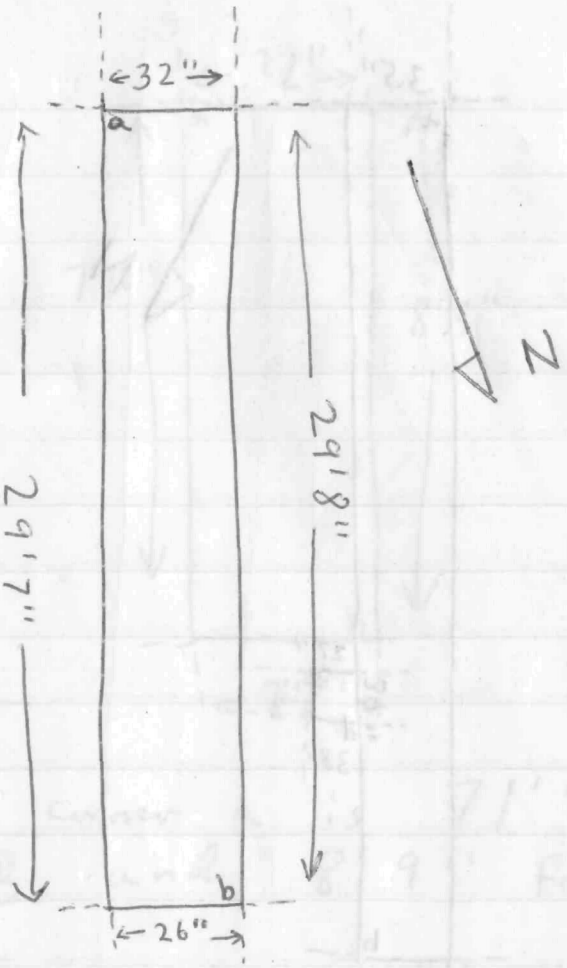
SW BASTION

permanent points from which horizontal measurements were taken



ALL these permanent points are located on the inner edge of the existing bastion wall. Each permanent point is a point formed by the intersection of 2 bastion wall sections.

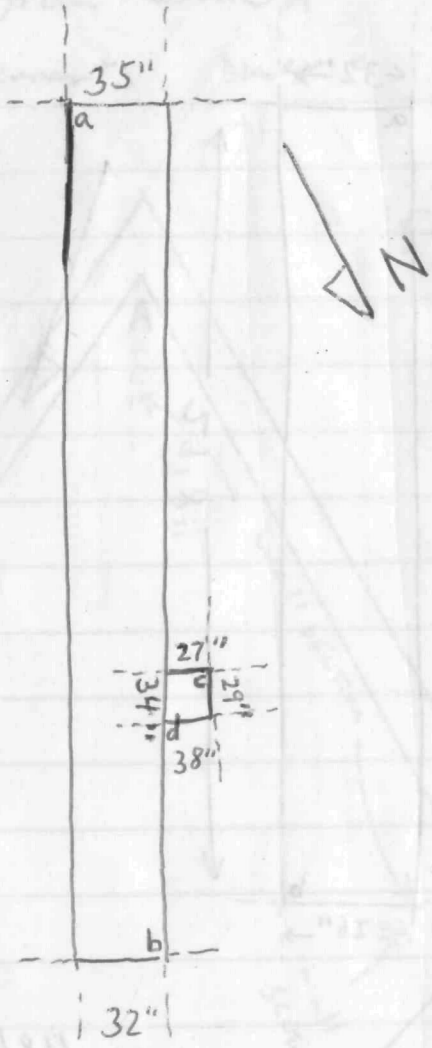
Trench F



Trench corner a is 48' 1" from permanent point D and 28' 10" from permanent point C.

Trench corner b is 20' 6" from permanent point C and 18' 8" from permanent point D

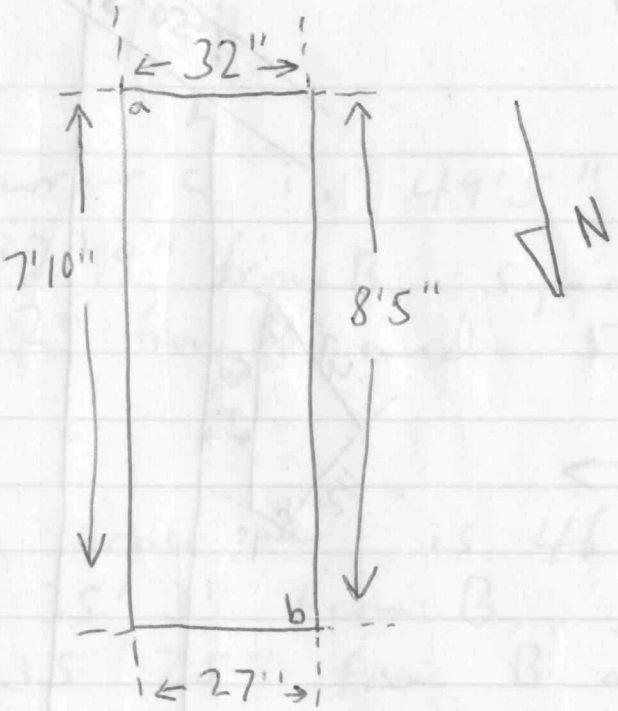
Trench E and Square 5



Trench corner a is ~~12' 6.5"~~ ? from permanent point A and ~~46' 6"~~ ? from point C.
Trench corner b is 64' 0" from point A and 31' 9" from C.

Square corner c is 54' 3" from permanent point A and 31' 9" from C.
Square corner d is 56' 0" from point A and 33' 5.5" from C.

Trench D

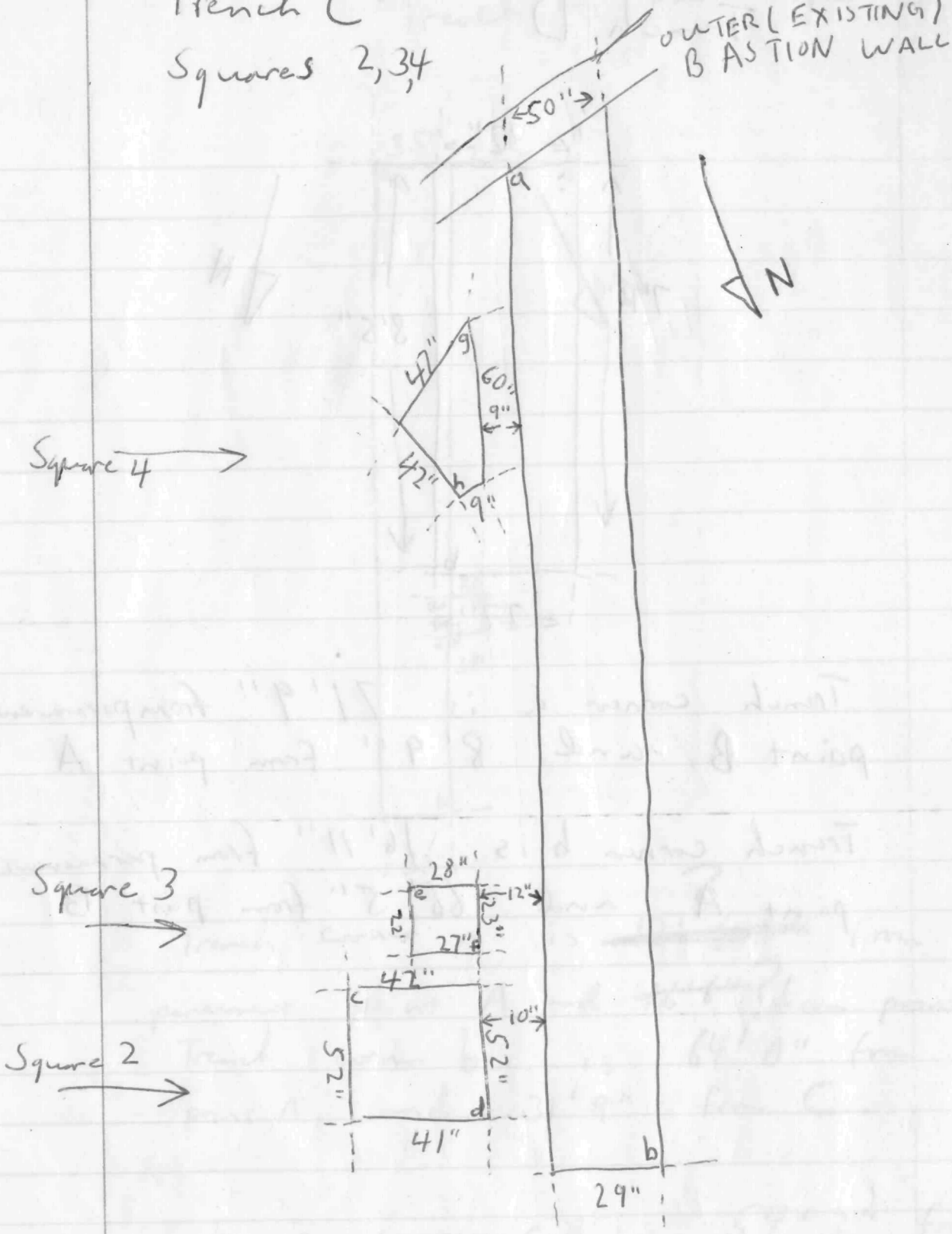


Trench corner a is 71' 9" from permanent point B and 8' 9" from point A

Trench corner b is 16' 11" from permanent point A and 66' 5" from point B

Trench C

Squares 2, 3, 4



Trench ~~point~~ corner a is 53' 6.5" from permanent point B and 26' 6" from point A. Trench ~~point~~ corner b is 34' 9" from point B and 53' 5" from

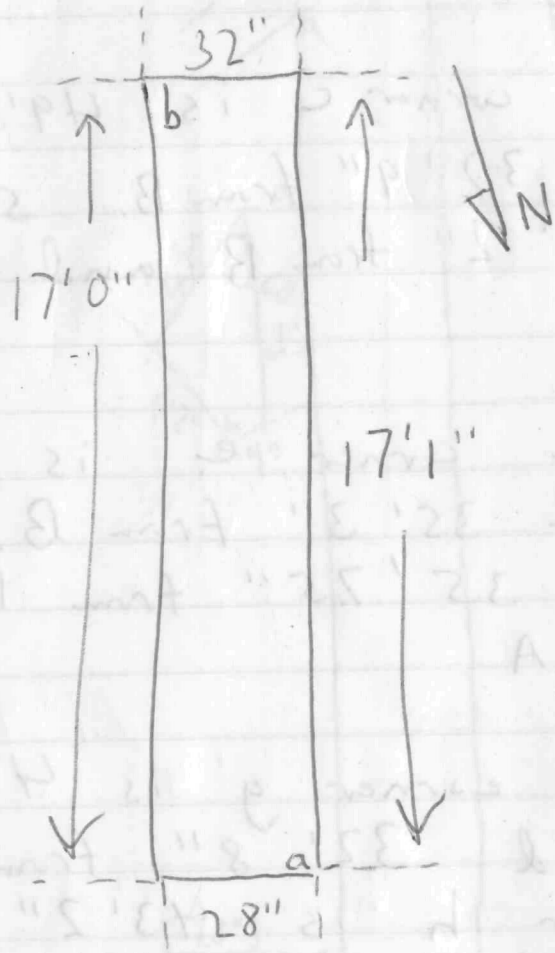
A

Square corner c is 49'5" from point A and 32'9" from B. Square corner d is 33'2" from B and 52'1.5" from A

Square corner e is 46'10" from A and 35'3" from B. Square corner f is 35'7.5" from B and 47'10" from A

Square corner g is 47'4.5" ~~B~~ from B and 32'8" from A. Square corner h is 43'2" from B and 37'6.5" from A

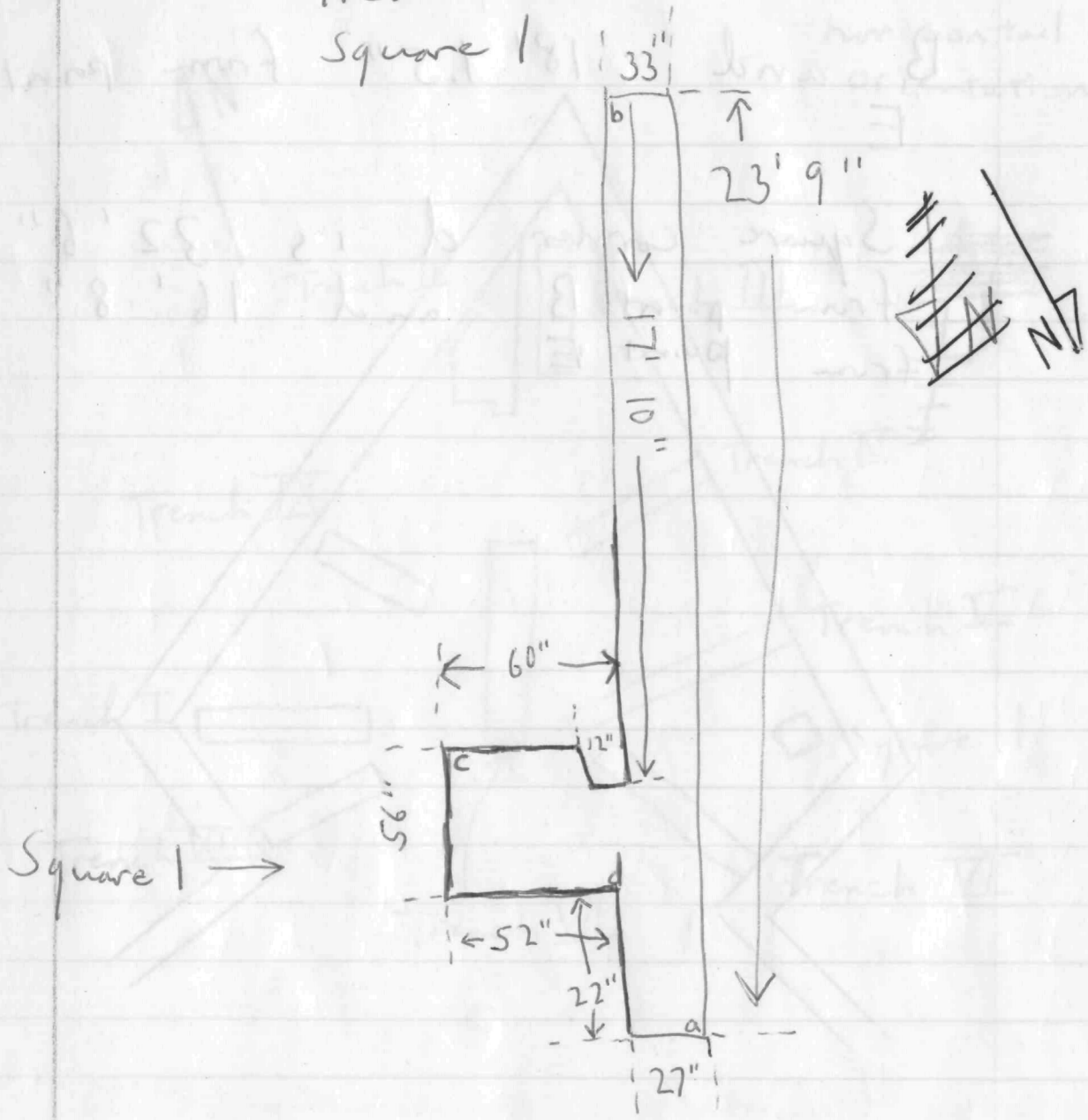
Trench A



Trench corner a is 25'4" from point E and 15'8" from point B.

Trench corner b is 42'3" from point E and 20'10" from point B

Trench B
Square 1



Trench corner a is 17' 0" from point E and 35' 5" from point B
Trench corner b is 36' 2" from point E and 32' 5" from point B

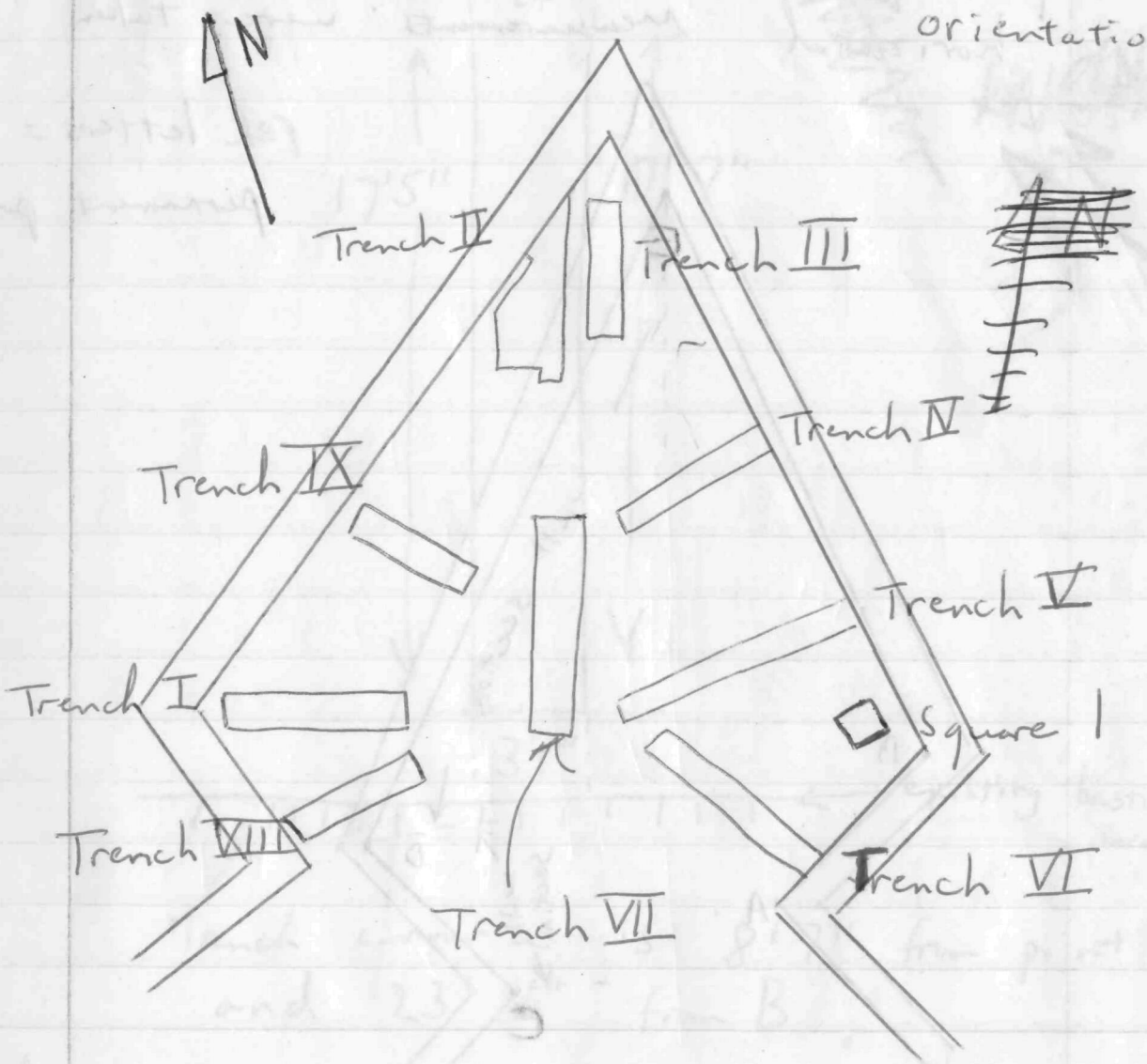
Square corner c is 26' 6" from point

B and 18' 1.5" from point E

Square corner d is 32' 6" from point B and 16' 8" from point E

NE Bastion

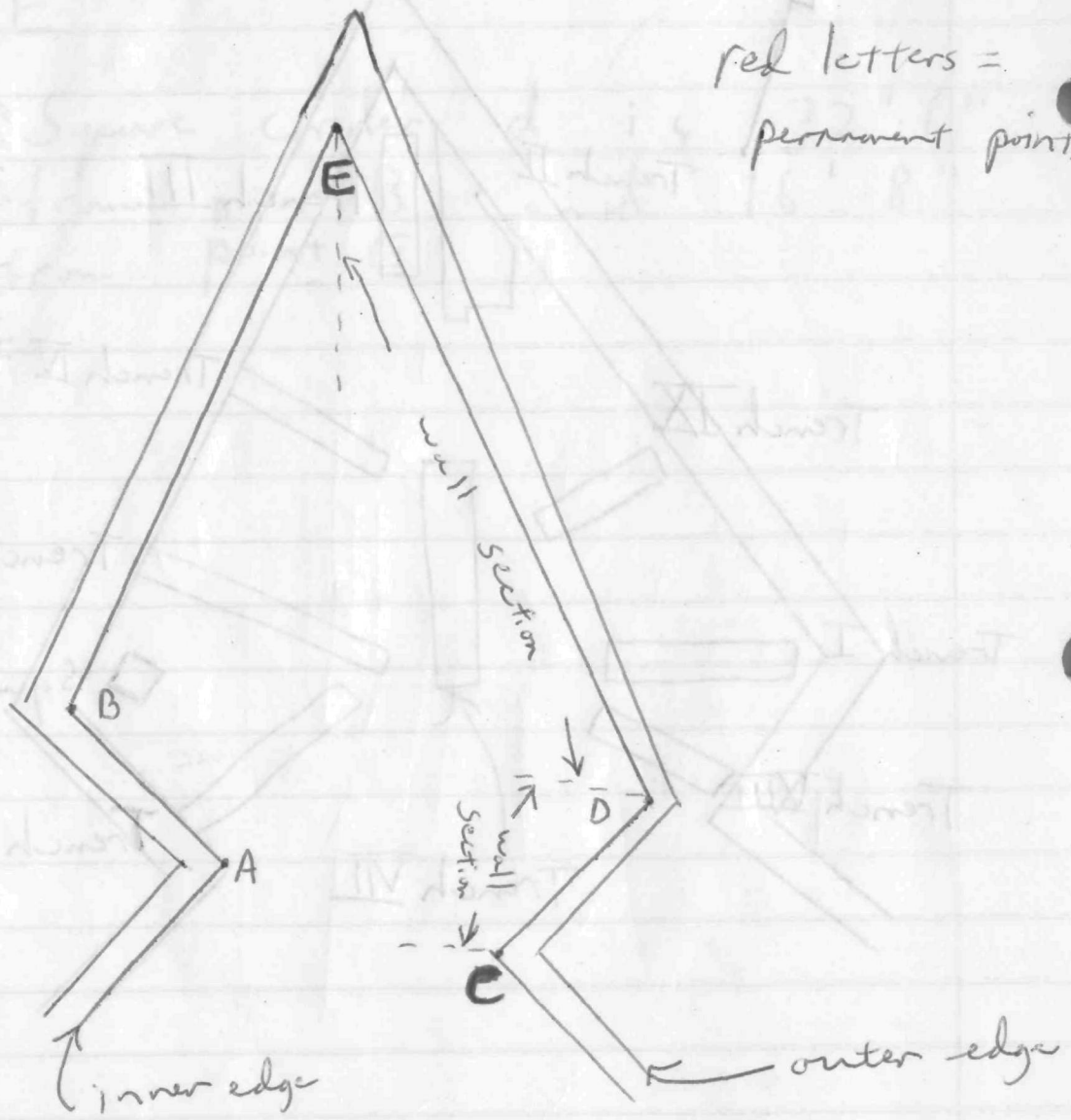
Trench horizontal orientation



NE BASTION

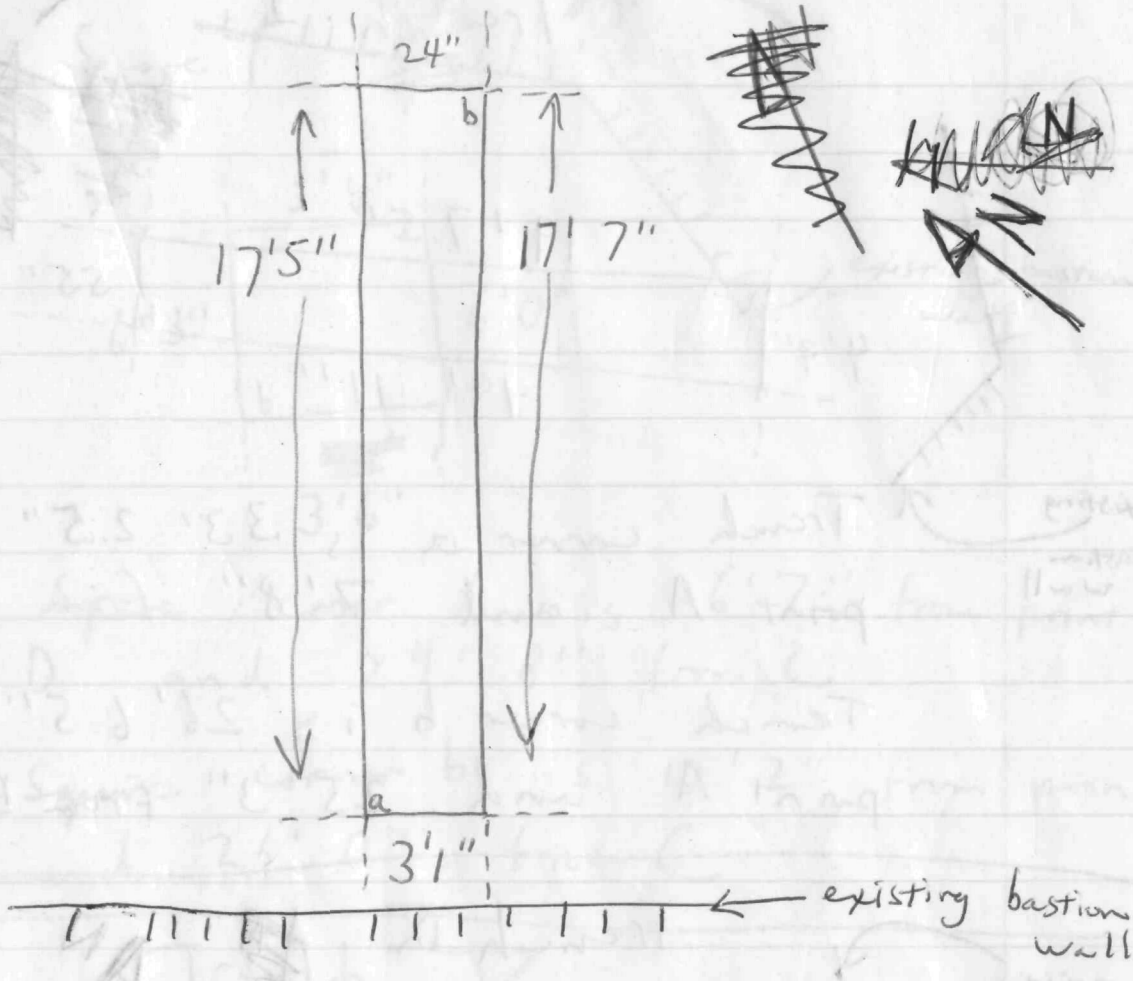
permanent points from which horizontal measurements were taken

red letters = permanent points



All these permanent points are located on the inner edge of the existing bastion wall. Each permanent point is a point formed by the intersection of 2 bastion wall sections.

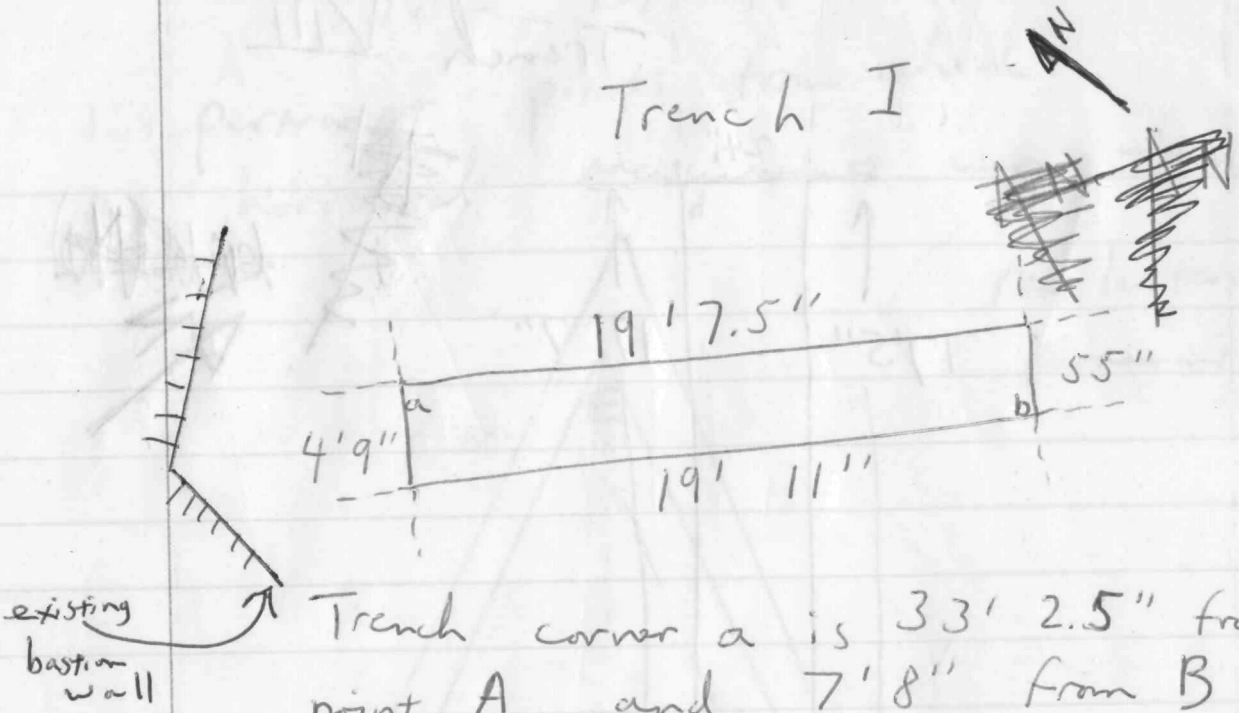
Trench VIII



Trench corner a is 8'7" from point A and 23' 4" from B.

Trench corner b is 21'2" from A and 31' 7" from B.

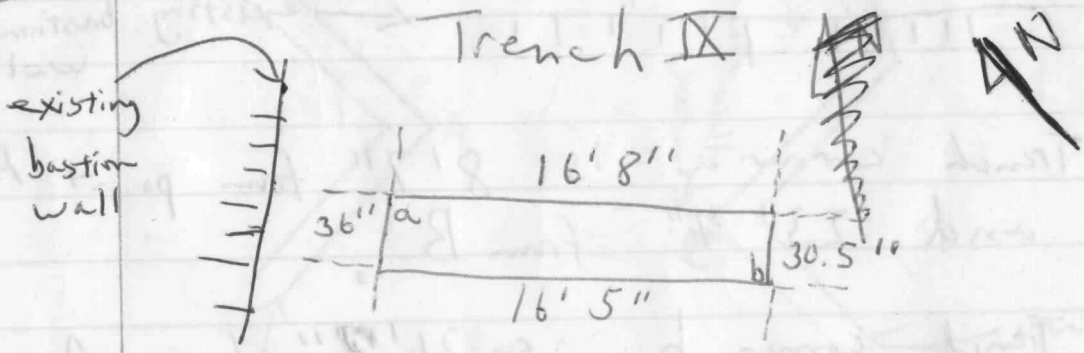
Trench I



Trench corner a is 33' 2.5" from point A and 7' 8" from B

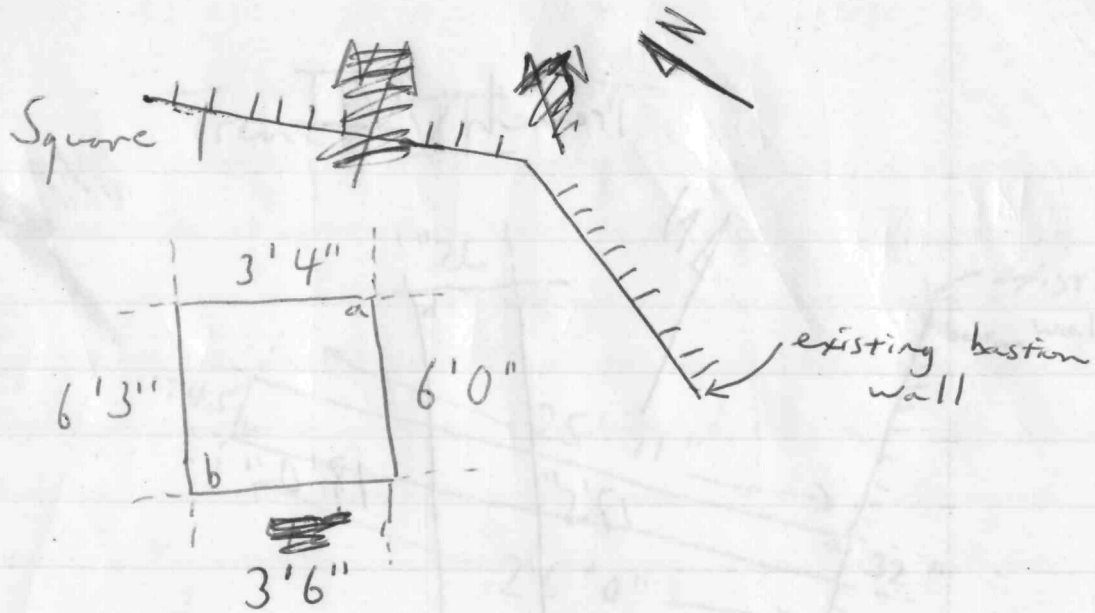
Trench corner b is 26' 6.5" from point A and 25' 3" from B

Trench IX



Trench corner a is 54' 0" from point A and 35' 6" from B

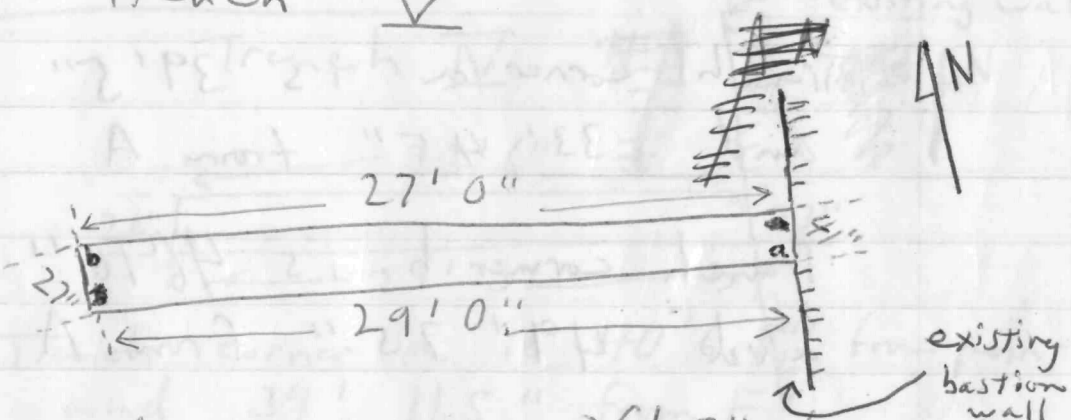
Trench corner b is 45' 5" from point A and 37' 5" from B



Square corner a is 6'7" from point D and 29'8" from C

Square corner b is 13'2" from point D and 26'0''' from C

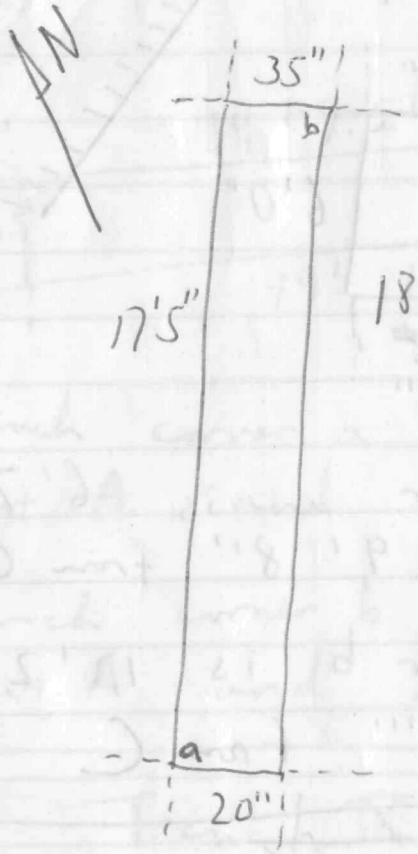
Trench V



Trench corner a is 36'9" from point C and 10'6" from point D

Trench corner b is 36'10" from point C and 33'11" from D

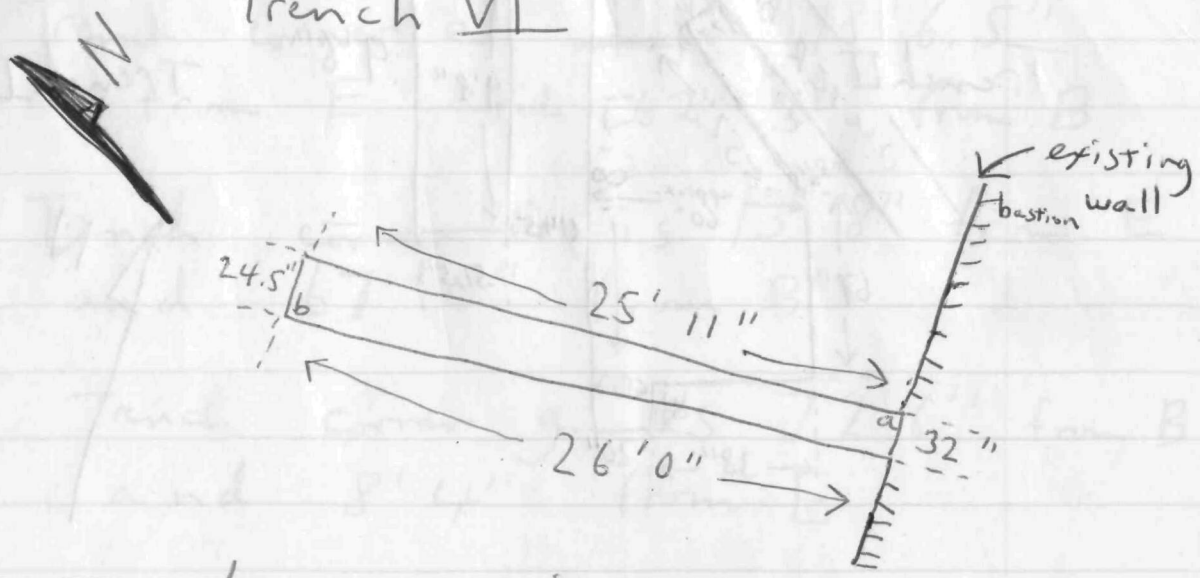
Trench VII



Trench corner a is 39'5" from point B and 33' 4.5" from A

Trench corner b is 46'10" from B and 49' 7.5" from A

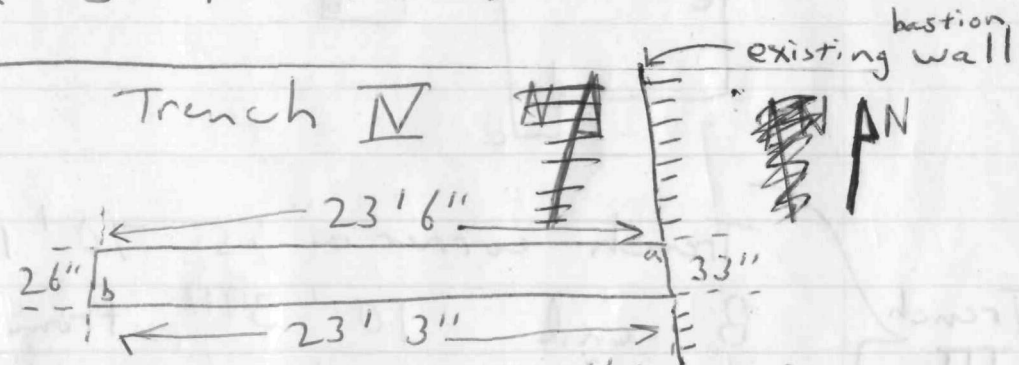
Trench VI



Trench corner a is 11' 4" from point C and 20' 3.5" from D

Trench corner b is 27' 8" from point C and 33' 7" from D

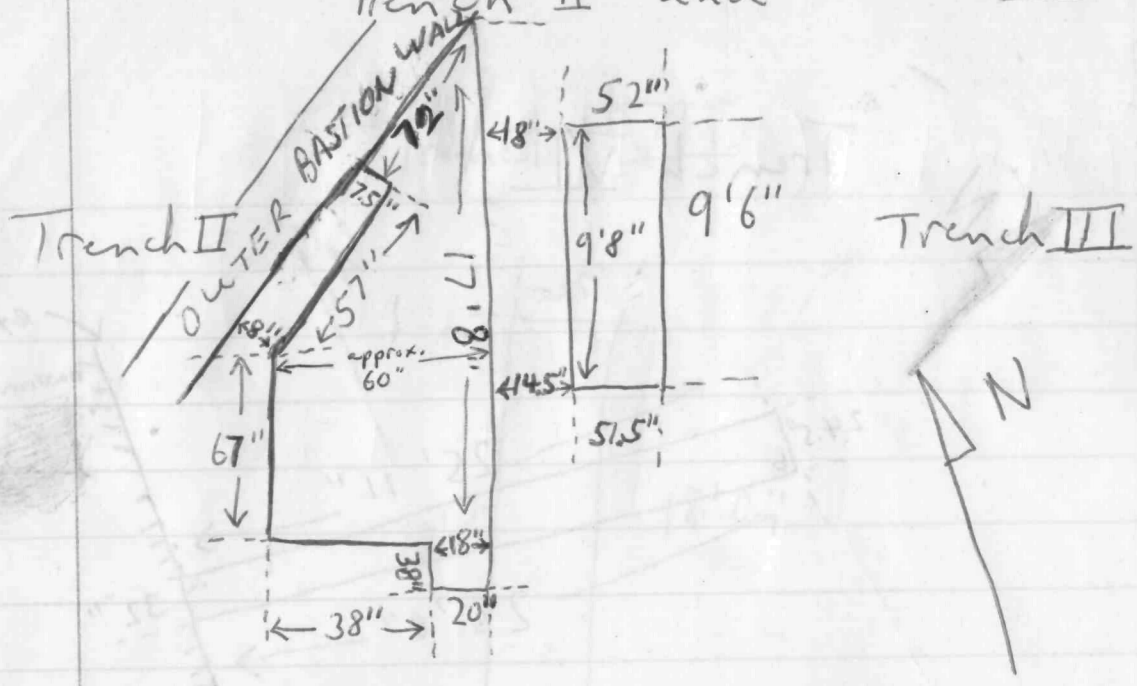
Trench IV

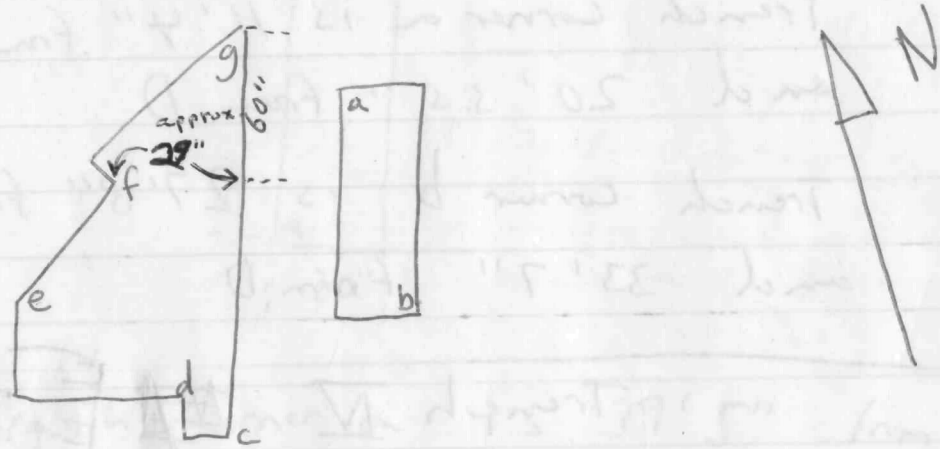


Trench corner a is 40' 6.5" from point D and 39' 11.5" from E

Trench corner b is 43' 11.5" from D and 49' 0" from E

Trench II and Trench III





Trench III

Trench corner a is 70' 11" from point B and 10' 3" from point E
Trench corner b is 19' 10.5" from E and 65' 4.5" from B

Trench corner c is 25' 3" from E and 57' 10.5" from B
Trench corner d is 59' 5.5" from point B and 22' 5" from E

Trench corner e is 18' 6.5" from E and 62' 3" from B

Trench corner f is 13' 8" from E and 67' 0" from B

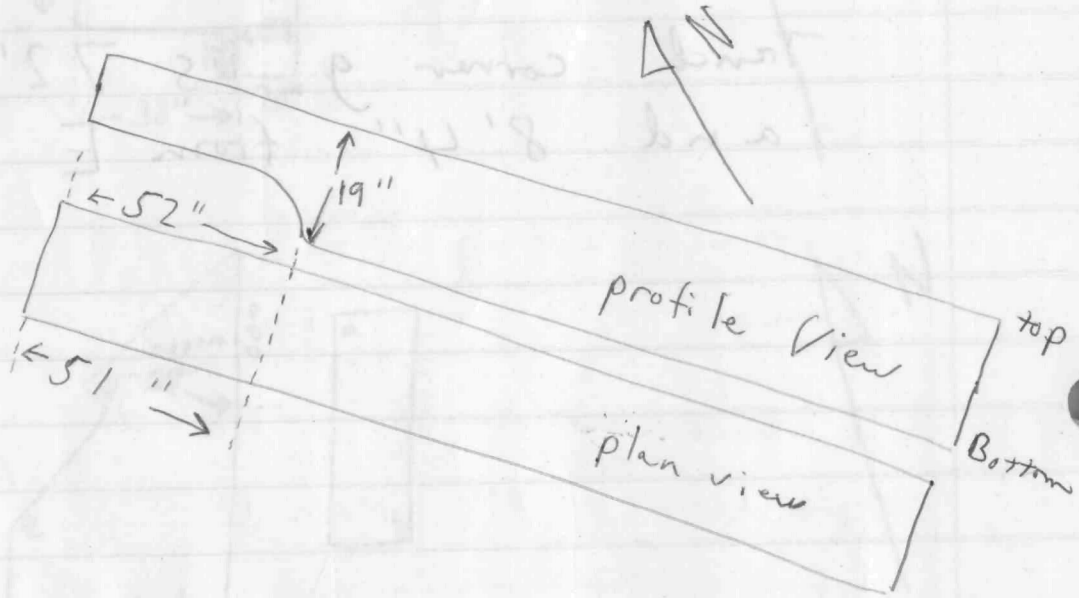
Trench corner g is 72' 6" from B and 8' 4" from E

5'
4' 9"

TRENCH DEPTHS

NE Bastion

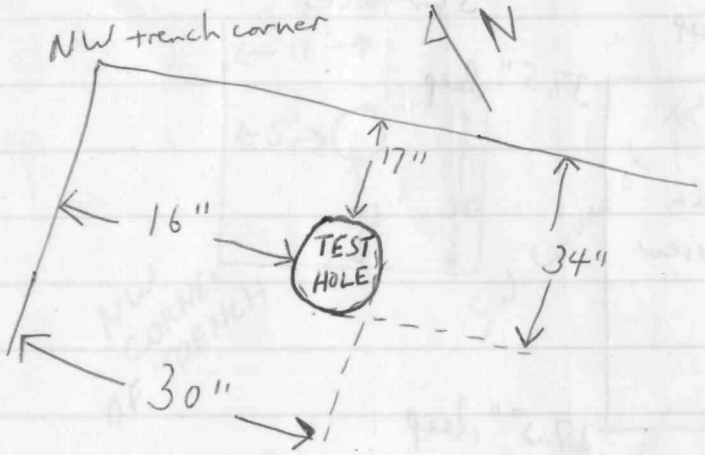
Trench I



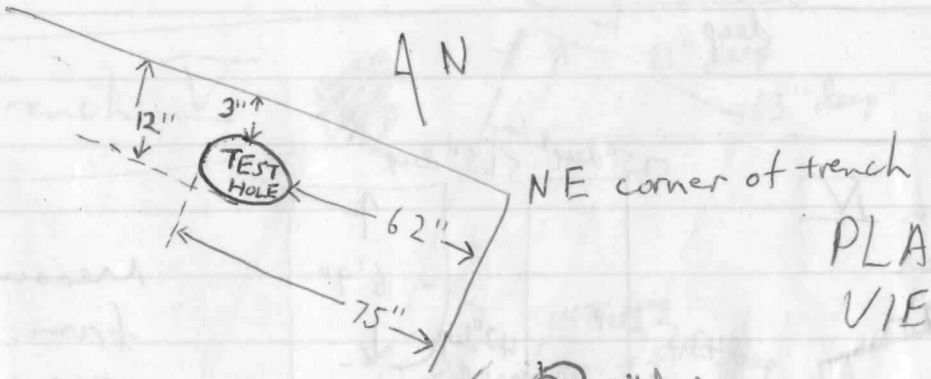
Measurements from present surface of ground to bottom of trench

NE trench corner 12" deep
SE " " 21" deep (Not in CCC trench)
NW " " 17" deep (in CCC trench)
SW " " 14.5" deep (in CCC trench)

NOTE: in trench I two test holes were excavated:



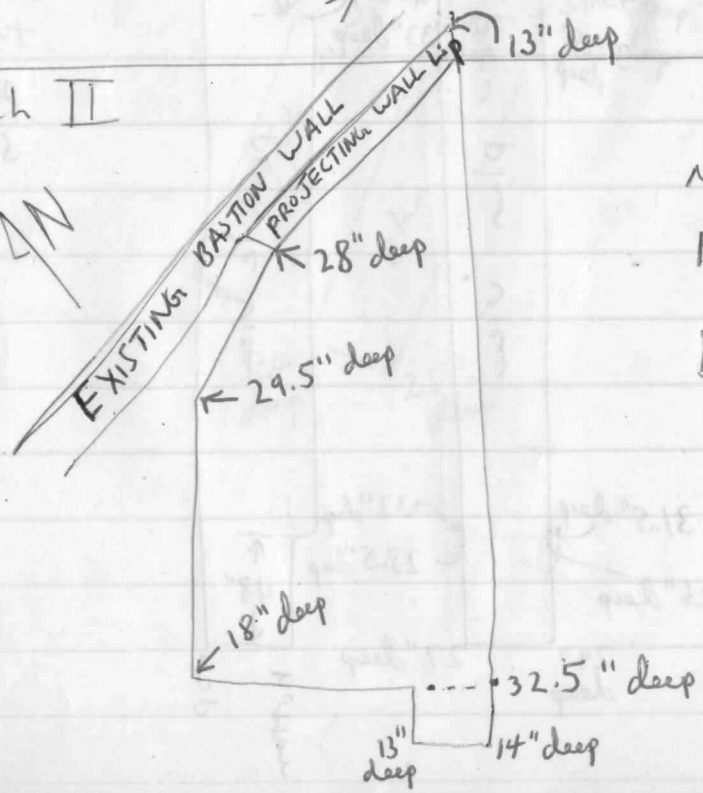
PLAN VIEW



NE corner of trench

PLAN VIEW

Trench II

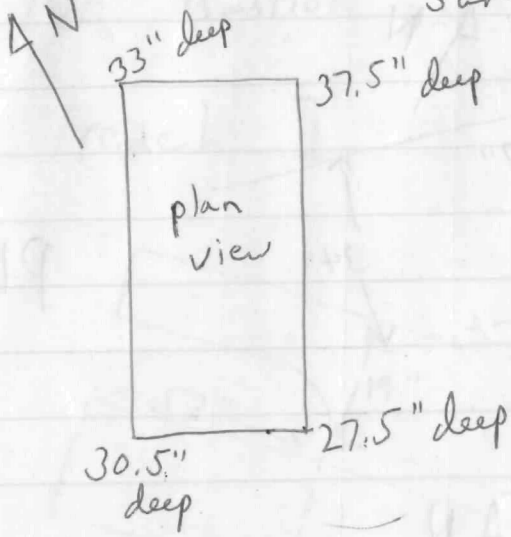


PLAN VIEW

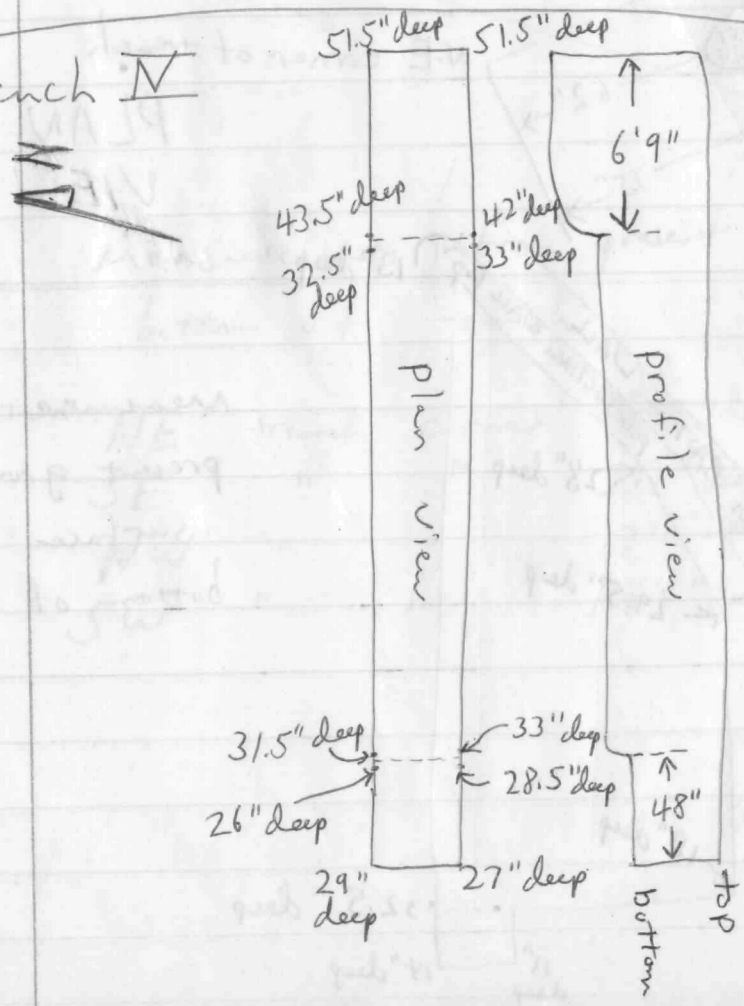
Measurements from present ground surface to bottom of trench

Trench III

Measurements from bottom of trench to present ground surface

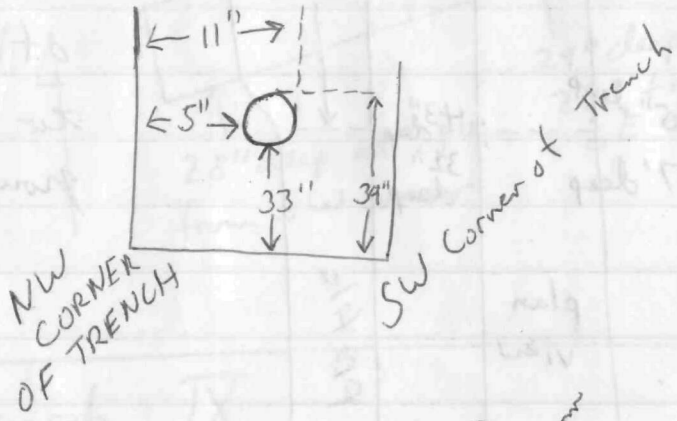


Trench IV



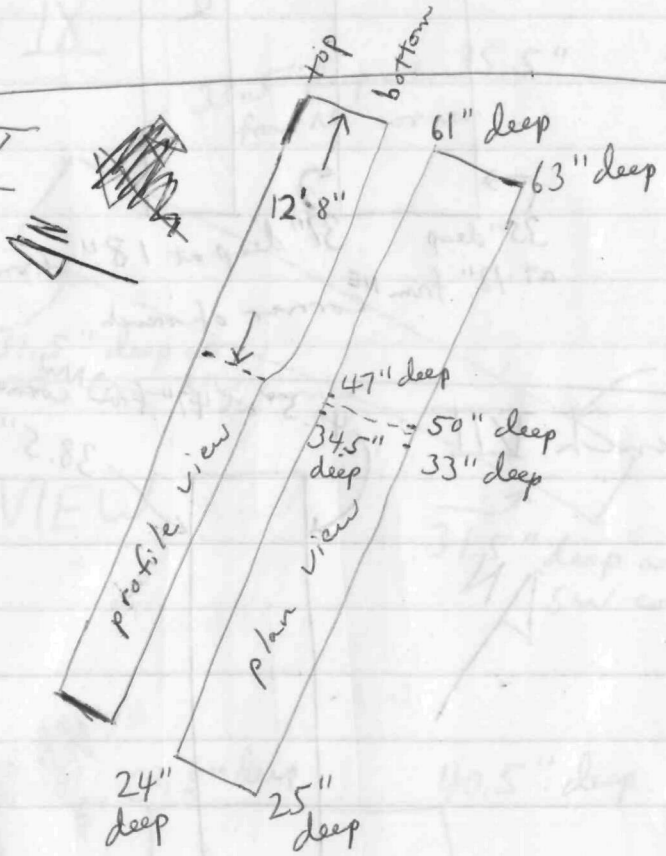
Measurements from bottom of trench to present ground surface

Trench IV a root hole was found in the following location:



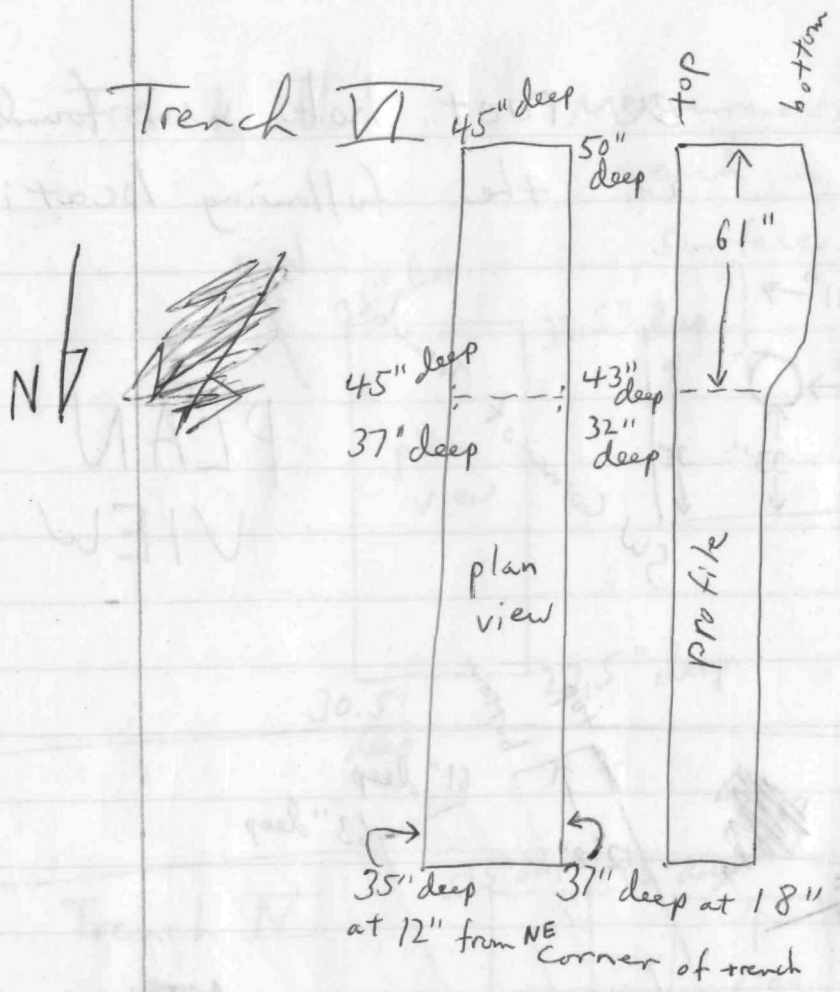
PLAN VIEW

Trench V



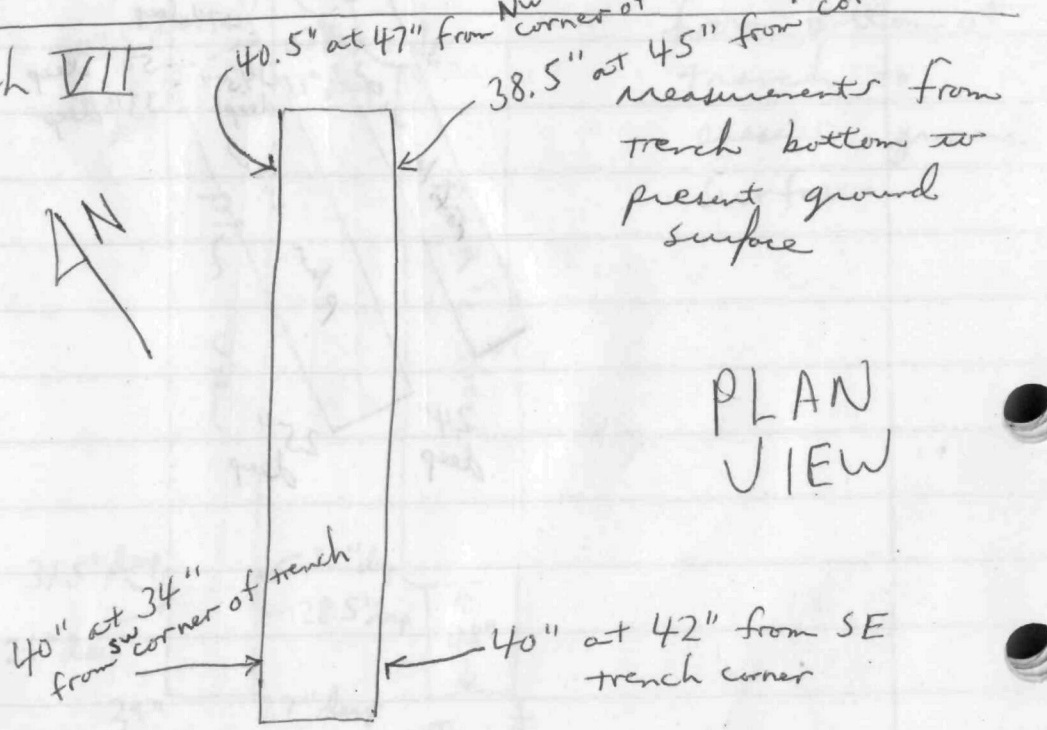
Measurements from bottom of trench to present ground surface

Trench VI



measurements from bottom of trench to present ground surface

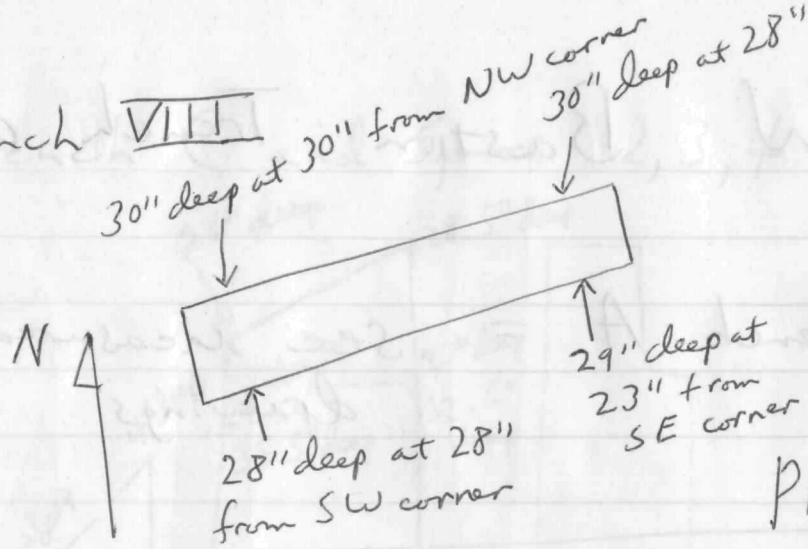
Trench VII



measurements from trench bottom to present ground surface

PLAN VIEW

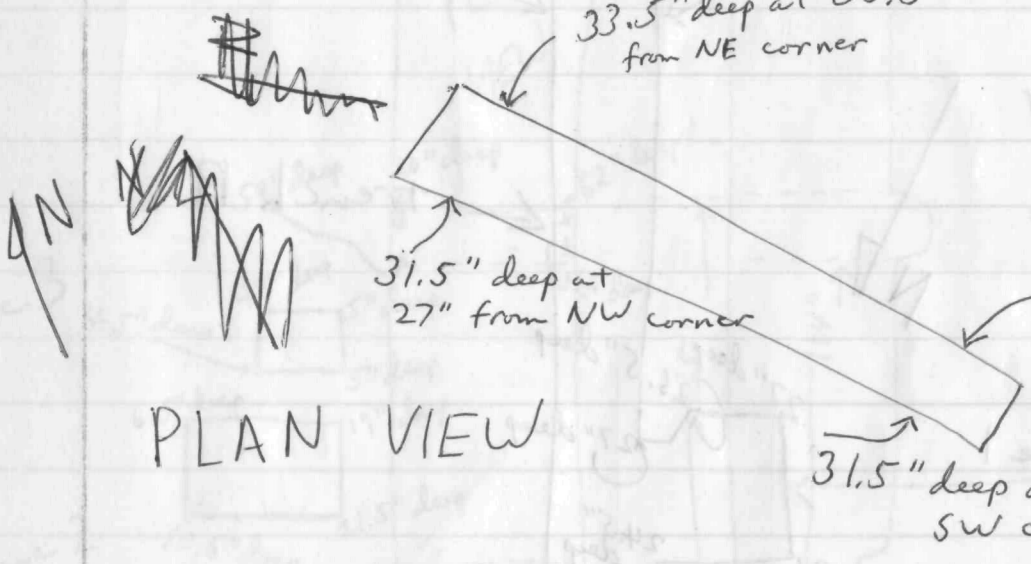
Trench VIII



Measurements from bottom of trench to present ground surface

PLAN VIEW

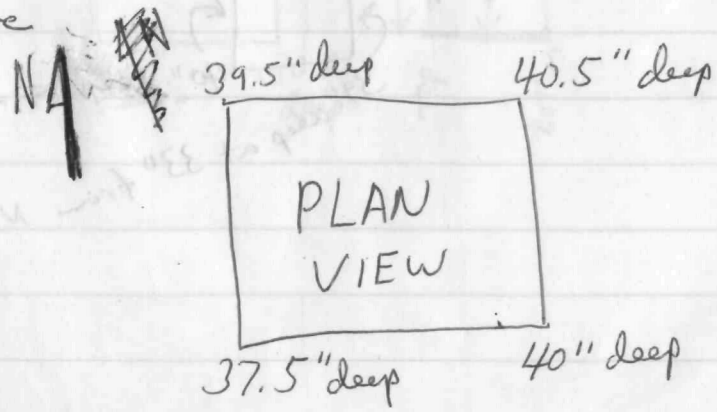
Trench IX



Measurements from bottom of trench to present ground surface

PLAN VIEW

Square

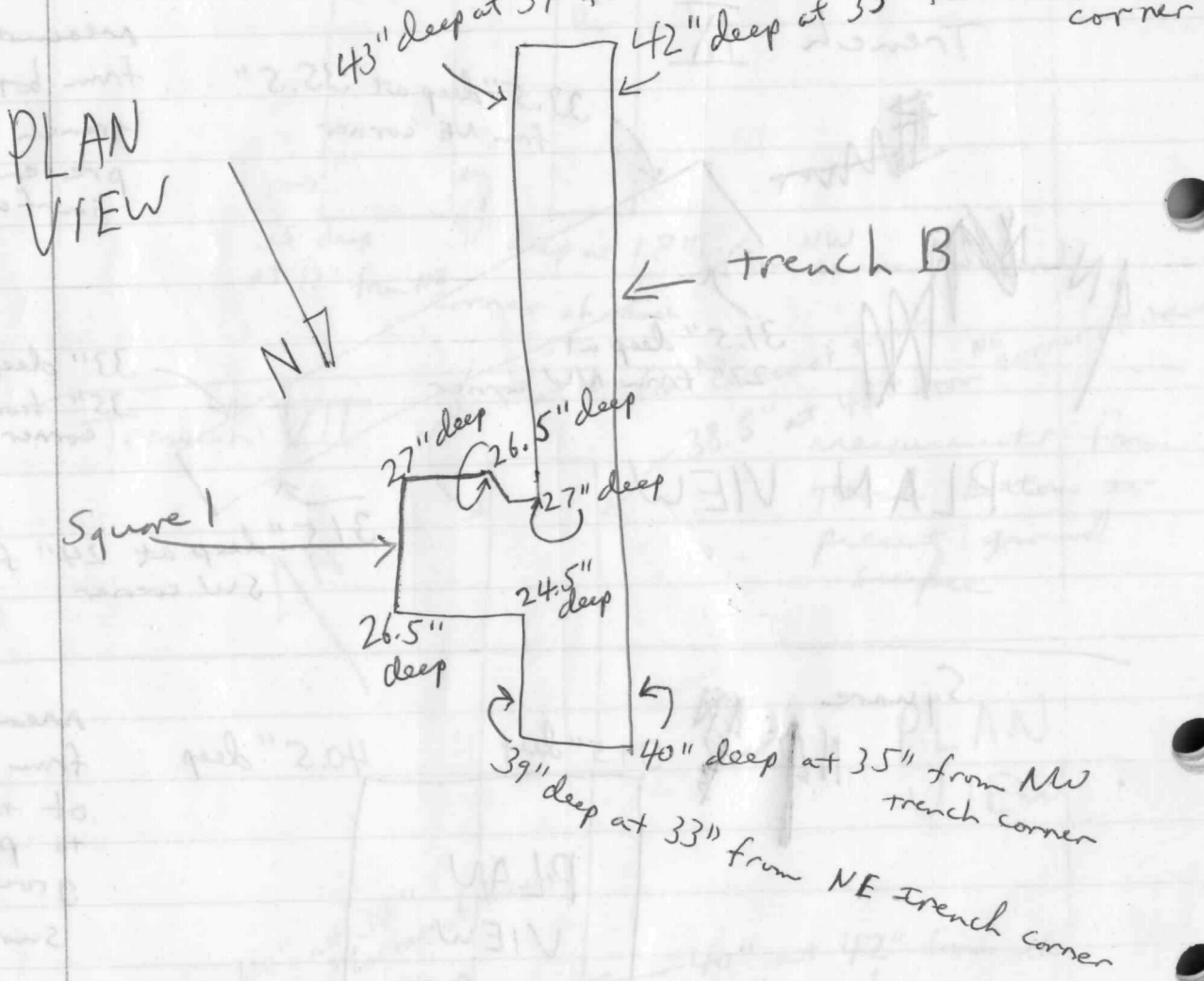


Measurements from bottom of trench to present ground surface

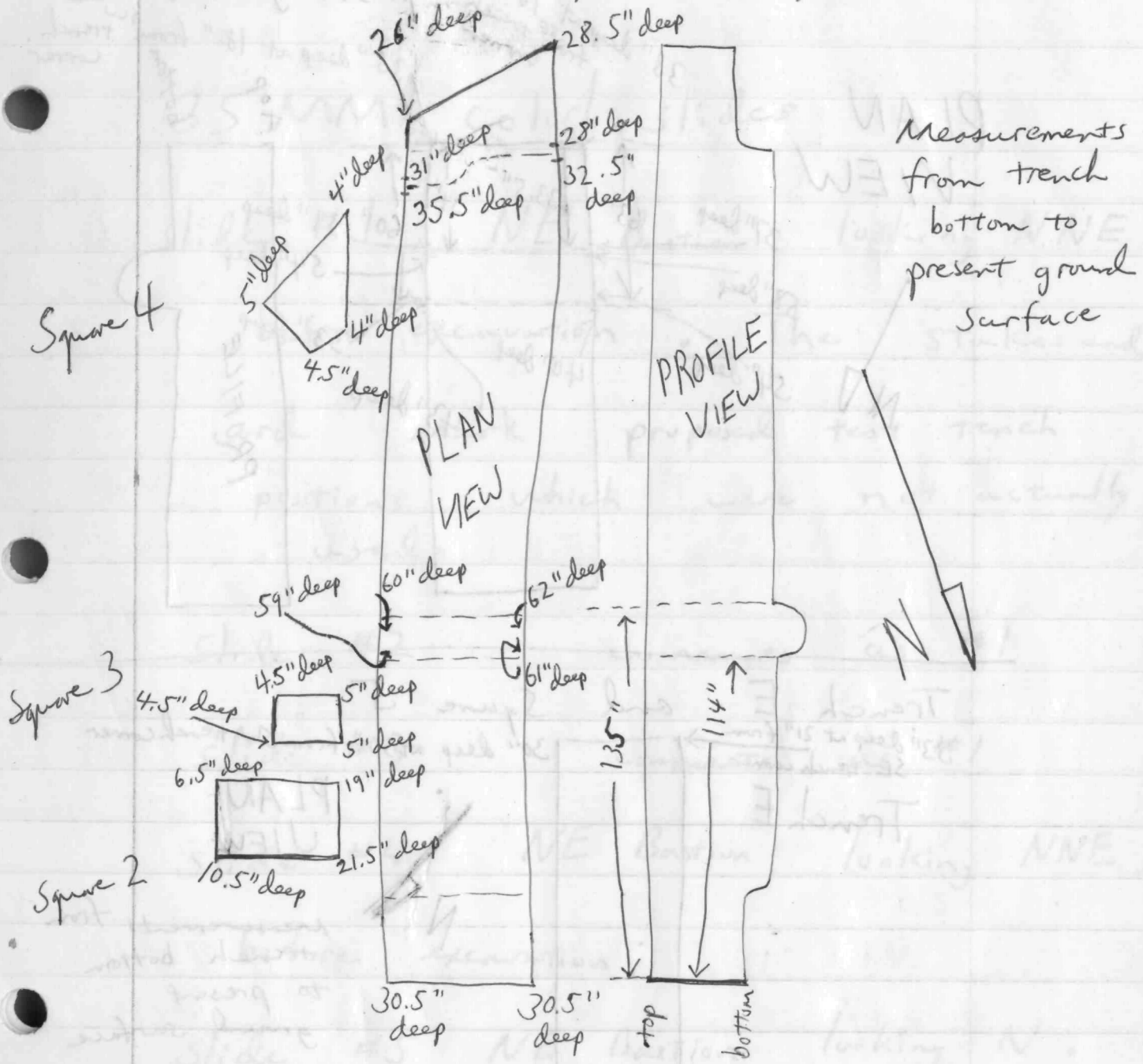
SW Bastion Trench depths

Trench A = see measured profile drawings

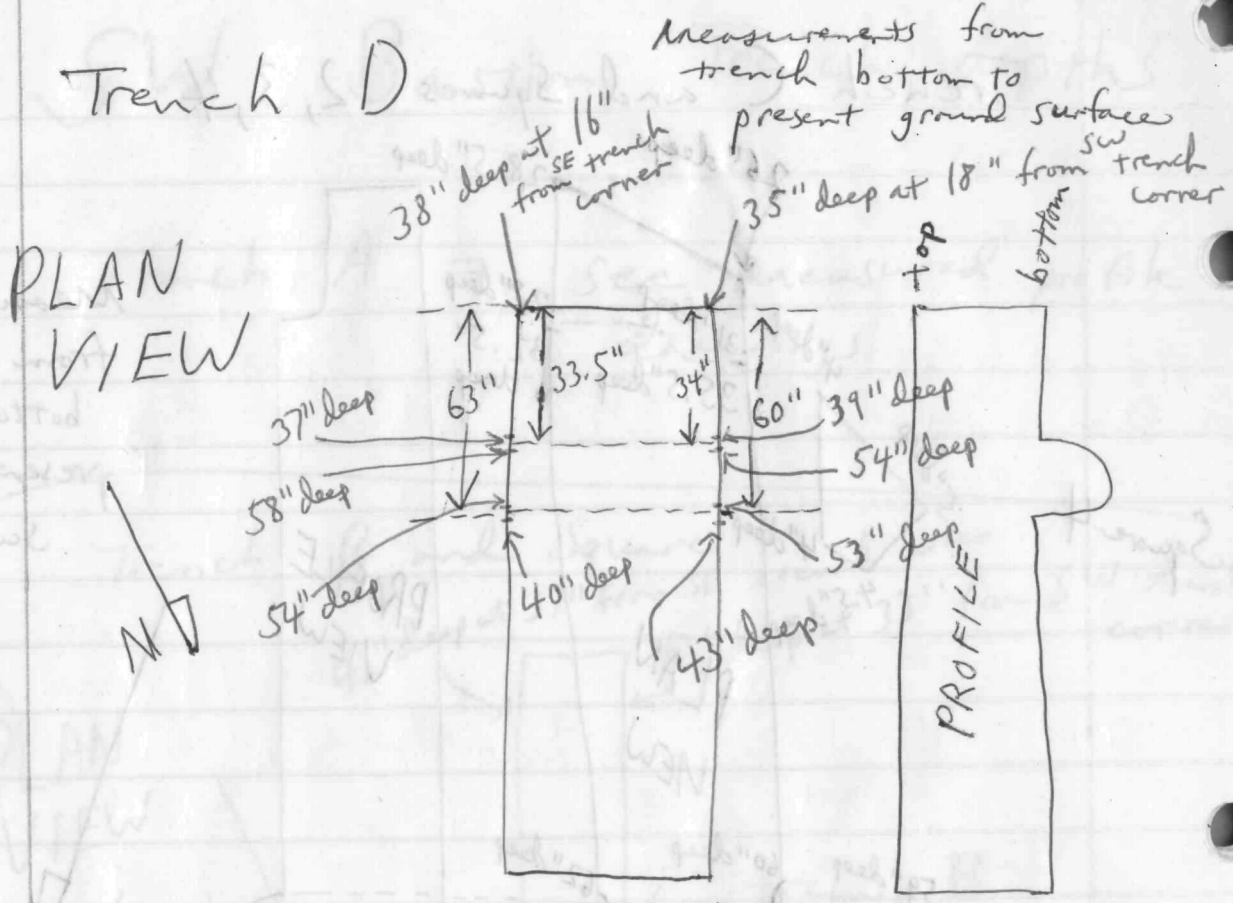
Trench B and Square 1



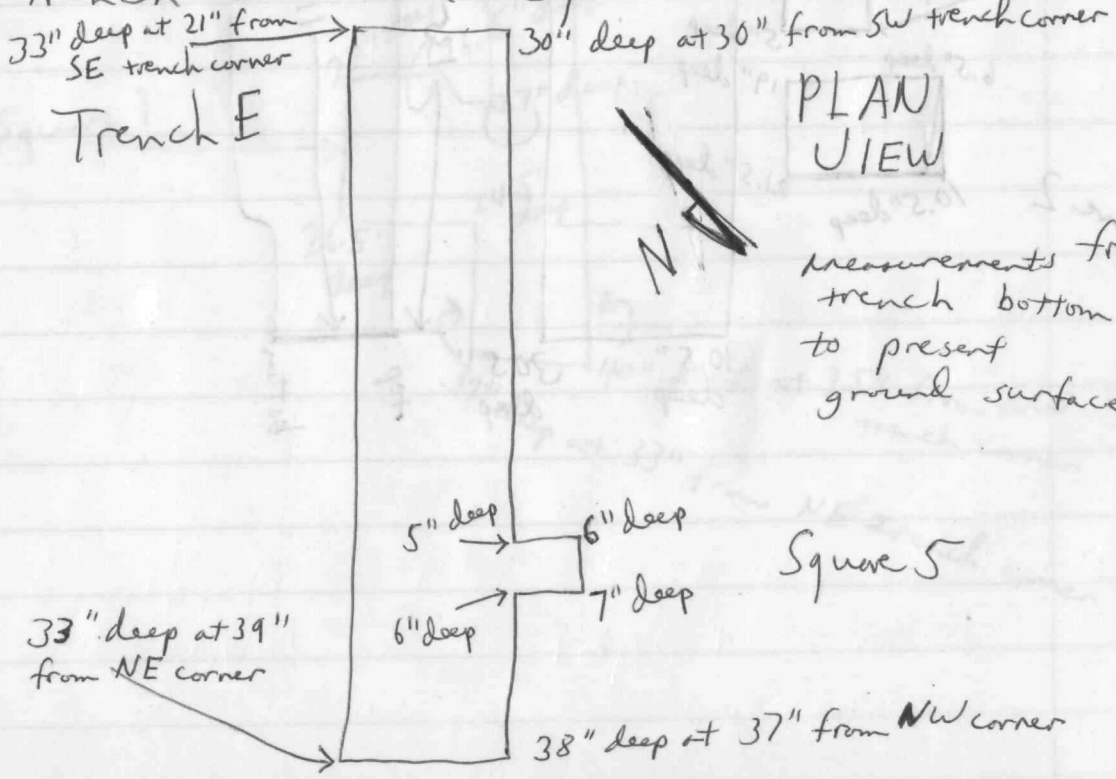
Trench C and Squares 2, 3, 4



Trench D



Trench E and Squre 5



Photograph Identification

35 MM color slides

slide #1 NE Bastion looking NNE before excavation. The stakes and cord mark proposed test trench positions which were not actually used.

slide #2 comments as #1

slide #3 comments as #1

slide #4 NE Bastion looking NNE. before excavation

slide #5 NE Bastion looking N. before excavation

slide #6 NE Bastion looking E. before excavation

#9 NE Bastion Trench II
looking NNE. animal disturbance over the existing bastion wall's footing. Black soil and mortar level showing at bottom of disturbance.
Top of predominately yellow subsoil fill level showing in rest of trench

#10 NE Bastion Trench II (before widening). looking NNE. predominately bright orange subsoil fill level in N end of trench. most of brown and yellow soil level and predominately yellow subsoil fill level and brown soil level removed

#14 NE Bastion looking NNW. location of Trench I before excavation

#16 NE Bastion Trench I looking NNW. topsoil removed and square delineating cords showing

#17 NE Bastion Trench I looking NNW. medium brown soil feature (Not a CCC trench) before being cleaned out.

#18 NE Bastion Trench I looking NNW.
juncture of dirty orange subsoil fill level and undisturbed subsoil level

#19 NE Bastion Trench I looking NNE. medium brown soil feature (not a CCC trench) after being completely cleaned out. undisturbed subsoil at bottom of trench.

#20 NE Bastion Trench I looking SSE. topsoil and bright orange subsoil fill showing in profile. undisturbed subsoil level and CCC trench (no fill removed yet) in bottom of trench.

35 MM Black and white

#0 NE Bastion Trench I

looking NNW. CCC trench fill removed and surface of undisturbed subsoil level exposed

* Figure 23 #1 same as #0

#2 NE Bastion Trench I

looking SSE. CCC trench fill removed and surface of undisturbed subsoil level exposed

#3 NE Bastion Trench I looking NNW (North end of trench). CCC trench with fill completely removed. Surface of undisturbed subsoil exposed. (This is the CCC trench at the top of Trench I in photos 0 and 1).

4 #4 NE Bastion Trench I looking NNE. CCC trench with fill completely removed. Surface

of undisturbed subsoil exposed. (This CCC trench is in the middle of Trench I in photos 0 and 1).

#5 NE Bastion Trench I looking SSE. CCC trench fill removed and surface of undisturbed subsoil exposed (This is the CCC trench at the bottom [nearest camera] of Trench I in photos 0 and 1).

#6 Same as #5

#7 NE Bastion Trench II looking NNE. Top surface of brown soil and mortar level exposed. Note stone rubble. North end of trench at top of photo.

#8 NE Bastion Trench II looking SSW. Top surface of brown soil and mortar level exposed. CCC trenches with fill completely removed in middle and back of photo.

$2\frac{1}{4} \times 2\frac{1}{4}$ black and white

#1 NE Bastion Looking east. laborer in Trench IV. Backhoe excavating Trench V

#2 same as #1

#3 NE Bastion Trench VI concrete in situ in existing bastion wall just above top surface of the organic lens

#4 same as #3

#5 NE Bastion Looking NNW. backhoe excavating Trench IX

#6 SW Bastion Trench C (north end of trench) looking NNW. top of garbage level showing bricks and bone mixed together

#7 SW Bastion Square 1 looking SSE. top of subsoil fill level exposed and top of concrete and stone deposit (light area pointed to with trowel) exposed.

#8 Same as #7 looking NNE

#9 SW Bastion Square 1 looking SSW. right of photo = Trench B excavated. center of photo = CCC trench in Square 1 completely cleaned of fill. left of photo = Square 1 top of mixed level exposed.

#10 SW Bastion Square 1 looking SSW. right of photo = Trench B excavated. center of photo CCC trench in Square 1 partially excavated. left of photo = top of mixed level exposed in Square 1.

#11, 12, 13 NE Bastion Looking ESE. backhoe excavating Trench IX

#14 NE Bastion Trench V

looking E. footing of existing bastion wall exposed (at top of photo) at bottom of trench is a concentration of stones found in the undisturbed subsoil.

#15 NE Bastion Trench II Looking N.

undisturbed portion of brick feature on photo's left; bottom of CCC trench in photo's center (no bricks present here). bricks and stones in grey soil level in photo's right.

#16 NE Bastion Trench II Looking N.

close up of undisturbed portion of brick feature. original edge of the brick feature on photo's left

#17 Same as #16 overhead view. original edge of the bricks on left side. CCC trench bottom on right side

figure 24

#18 SW Bastion Square 1 looking ESE. deposit of shale in trash level and undisturbed subsoil level in bottom of square

#19 same as #18

#20 SW Bastion Trench E and Square 5 looking SSW. trench wall collapse due to storm of October 28-29.

#21 SW Bastion Trench F looking SSW. trench wall collapse due to storm of October 28-29.

#22 same as #21 full view of trench

#23 NE Bastion Trench VIII looking W. trench wall collapse due to storm of October 28-29.

#24 NE Bastion Trench I. Looking NNW. trench wall collapse and flooding of CCC trench due to storm of

October 28-29

#25 NE Bastion Trench IX.
Looking NNW. trench wall collapse due to storm of October 28-29

#26 NE Bastion Trench IV.
Looking E. East end of Trench IV with existing bastion wall footing exposed. Note difference in stone work above and below the protruding wall lip.

#27 like #26

#28 NE Bastion Trench III
looking SSW.
large pit-like disturbance with fill completely removed in foreground. brick rubble exposed after grey soil level completely removed.

#29 NE Bastion Trench III
looking NNE. brick rubble in foreground. large pit-like disturbance with fill completely removed in background.

#30 NE Bastion Trench III looking NNE. close up of brick rubble exposed after removal of grey soil level

#30 NE Bastion Trench III looking NNE. closeup of brick rubble exposed after removal of gray

looking NNW. [illegible] wall collapse due to storm of October 28-29

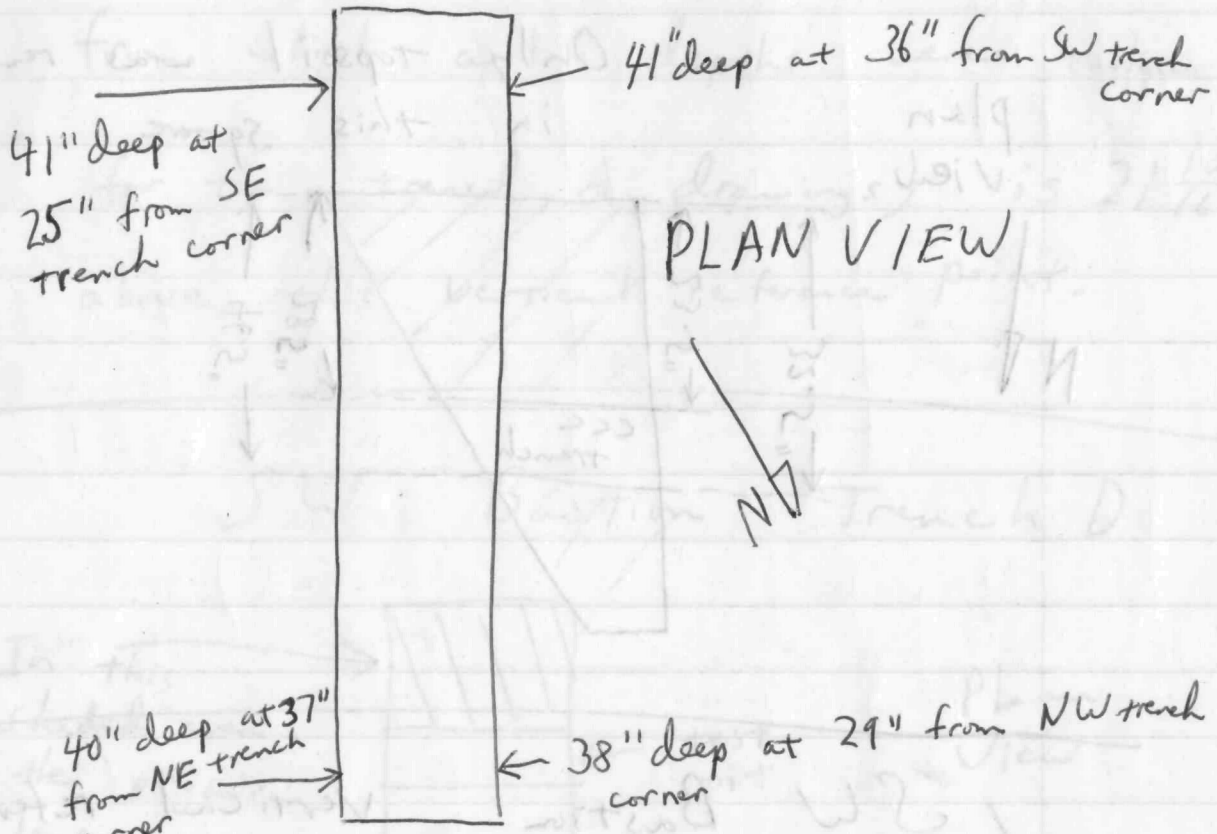
#26 N. Bastion Trench IV looking E. East end of Trench IV with existing bastion wall footing exposed. Note difference in stone work above and below the overlying wall lip.

#27 like #26

#28 NE Bastion Trench III looking SSW. large pit-like disturbance with fill completely removed in foreground. brick rubble exposed after gray [illegible] level completely removed

#29 NE Bastion Trench III looking NNE. brick rubble in foreground. large pit-like disturbance with fill completely removed in background.

SW Bastion Trench F trench depth

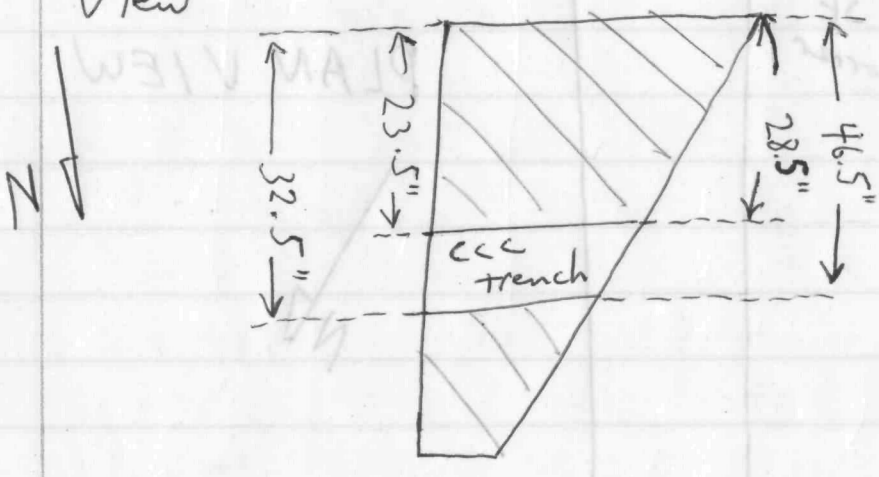


Measurements from bottom of trench to present ground surface

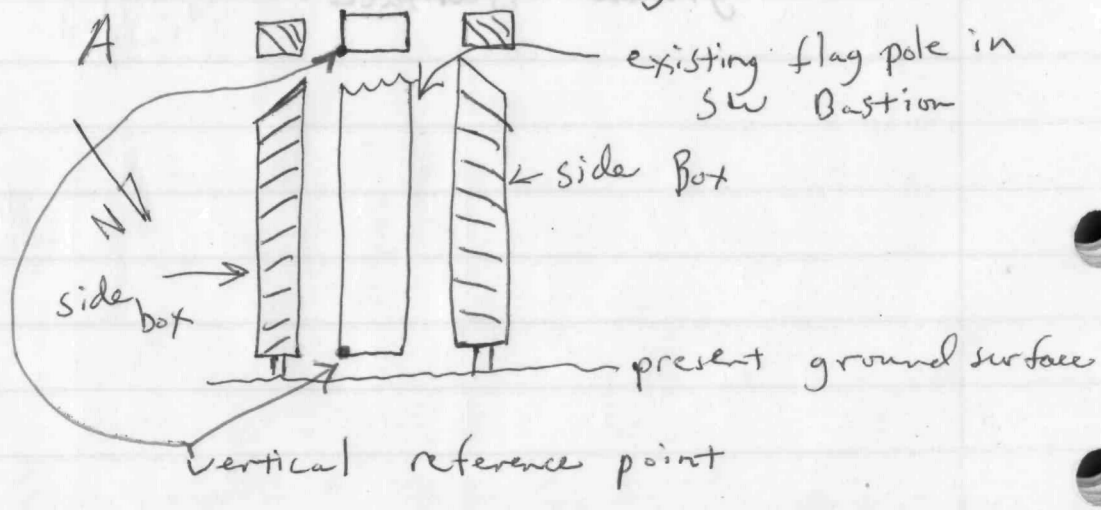
SW Bastion Square 4

Only topsoil was removed in this square

plan view



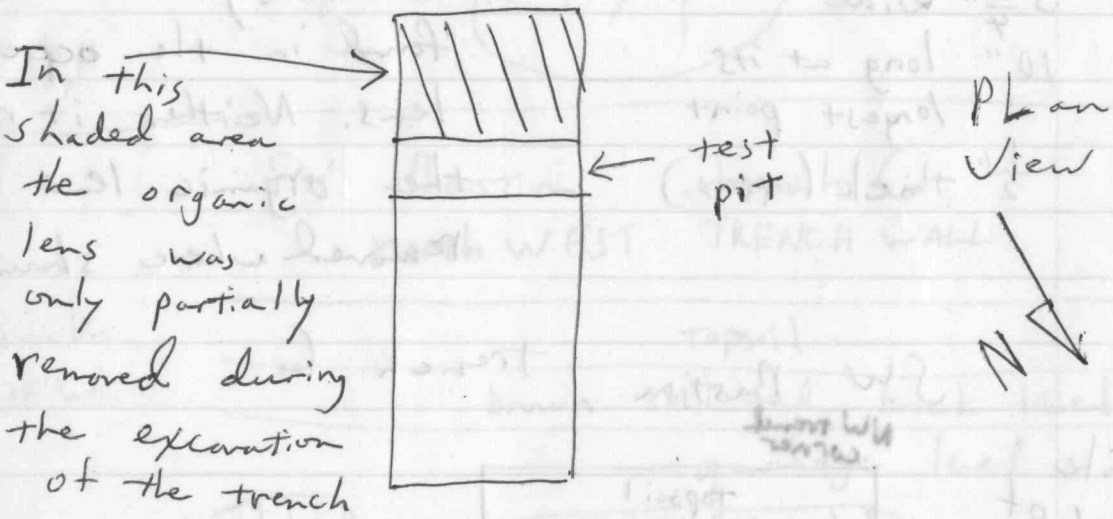
SW Bastion vertical reference point used is doing the measured drawing of Trench A



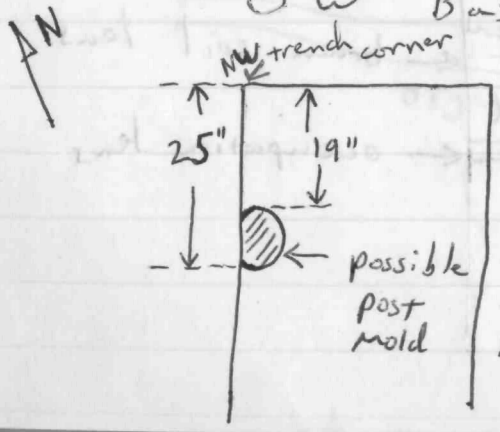
The vertical reference point is the east bottom corner of the flagpole proper,

The vertical reference height (height from which all depths were taken for the trench A drawings) is $21\frac{10}{16}$" above this vertical reference point.

SW Bastion Trench D



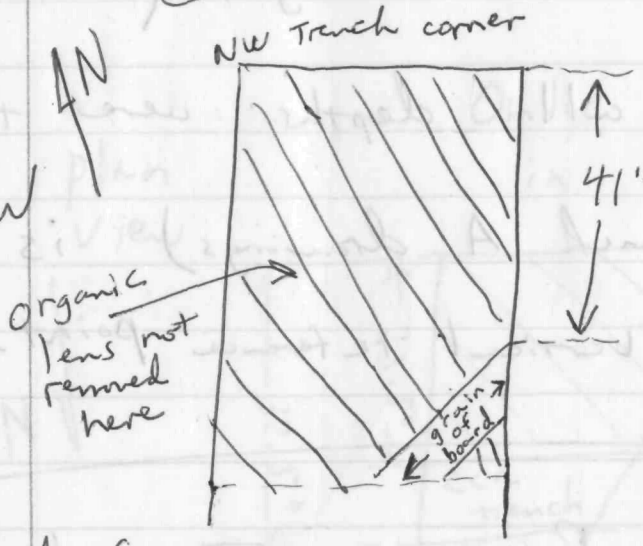
SW Bastion Trench C



In the bottom of Trench C a possible post mold was found. It cut through the organic lens but was covered by the occupation lens. This mold was not removed.

SW Bastion Trench C

PLAN VIEW

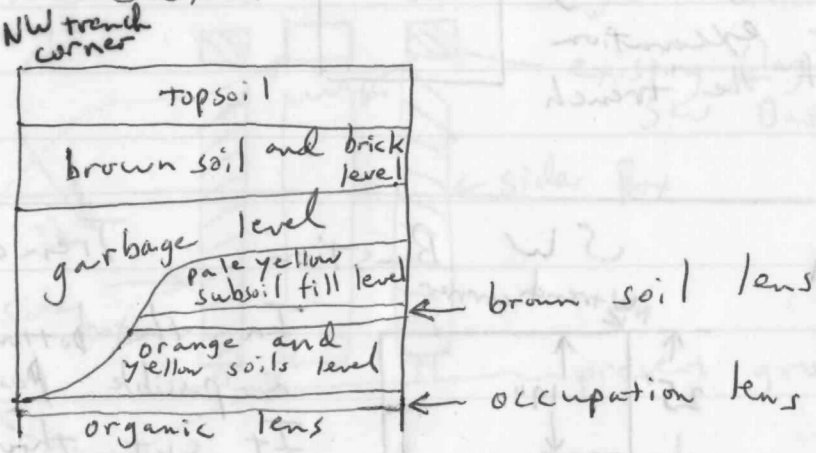


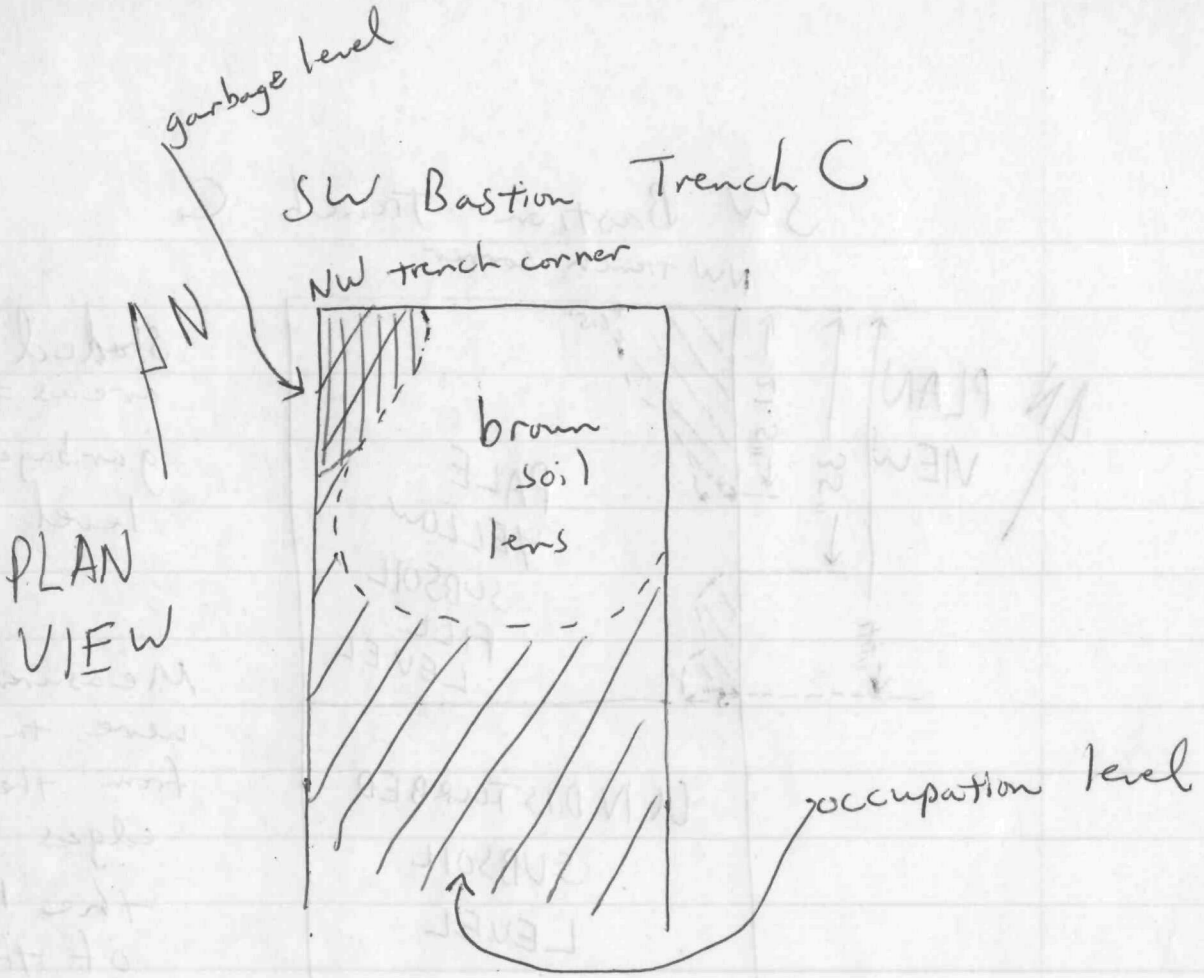
41" (measurement taken to the bottom of the NE trench corner from the board). The board fragment is charred (soil around it was not burned) and was found in the occupation lens. Neither it nor the organic lens was removed where shown.

board fragment =
$5\frac{3}{4}$" wide
10" long at its longest point
$\frac{1}{2}$" thick (approx.)

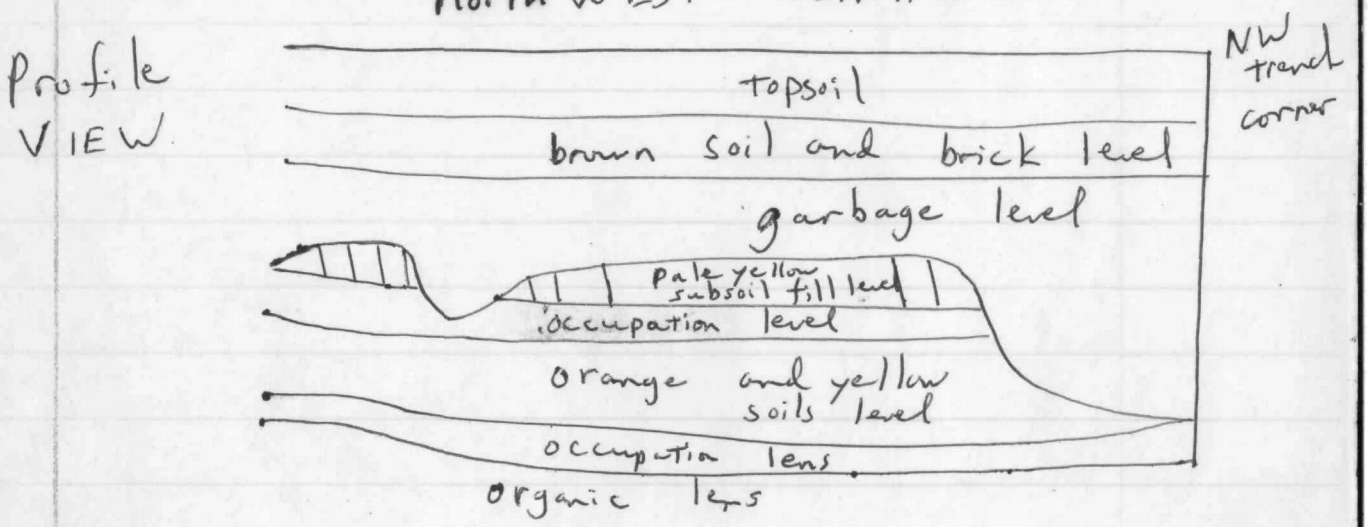
SW Bastion trench C

profile view of northeast trench wall

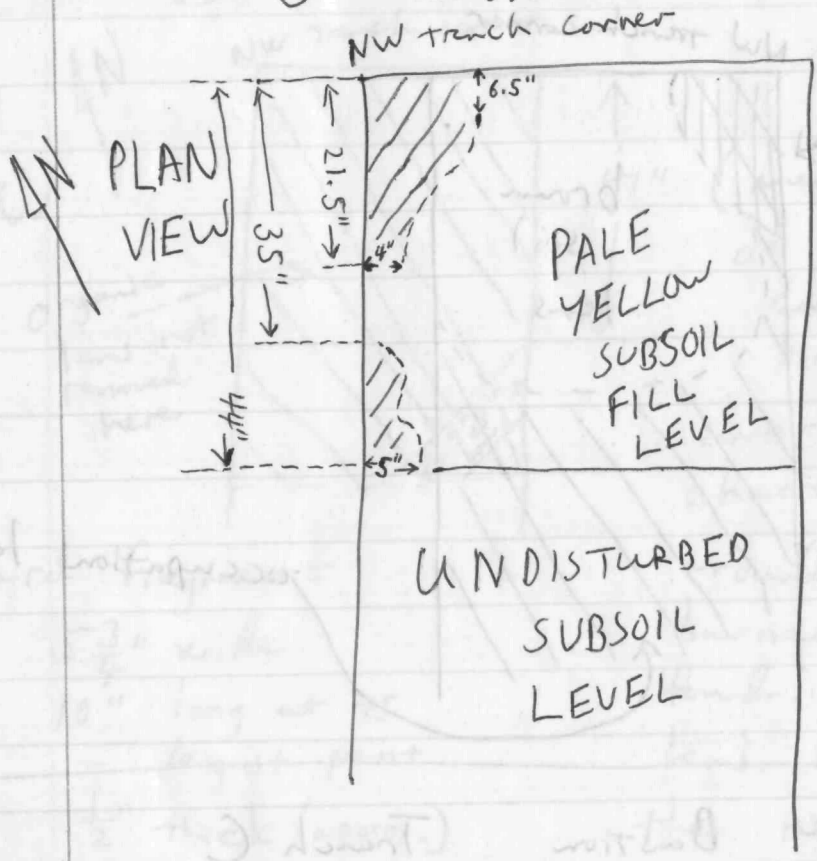




SW Bastion Trench C
north WEST TRENCH WALL



SW Bastion Trench C



Shaded areas = garbage level

Measurements were taken from the trench edges at the level of the present ground surface.