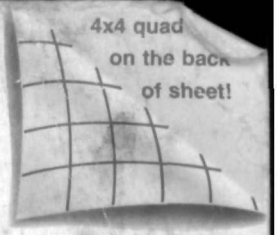
Betsy Grove
Addison



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no. 75-10

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- 2 pockets
- 3 subjects divided
- helpful information on inside front cover

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Stuart Hall
Kansas City, Missouri

ADVANCED PLANNING

JANUARY	FEBRUARY	MARCH
APRIL	**MAY**	**JUNE**
JULY	**AUGUST**	**SEPTEMBER**
OCTOBER	**NOVEMBER**	**DECEMBER**

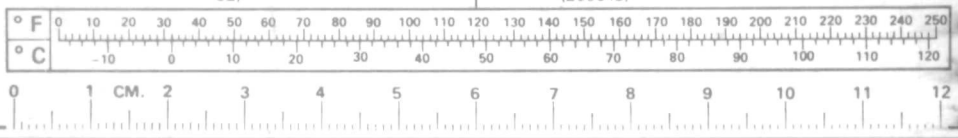
METRIC CONVERSION TABLE

U.S. DEPARTMENT OF COMMERCE METRIC CONVERSION CARD
National Bureau of Standards
Washington, D.C. 20234

Approximate Conversions to Metric Measures

Symbol	When You Know	Multiply by	To Find	Symbol
	LENGTH			
in	inches	*2.5	centimeters	cm
ft	feet	30	centimeters	cm
yd	yards	0.9	meters	m
mi	miles	1.6	kilometers	km
	AREA			
in^2	square inches	6.5	square centimeters	cm^2
ft^2	square feet	0.09	square meters	m^2
yd^2	square yards	0.8	square meters	m^2
mi^2	square miles	2.6	square kilometers	km^2
	acres	0.4	hectares	ha
	TEMPERATURE (exact)			
°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	C

Symbol	When You Know	Multiply by	To Find	Symbol
	VOLUME			
tsp	teaspoons	5	milliliters	ml
Tbsp	tablespoons	15	milliliters	ml
fl oz	fluid ounces	30	milliliters	ml
c	cups	0.24	liters	l
pt	pints	0.47	liters	l
qt	quarts.	0.95	liters	l
gal	gallons	3.8	liters	l
ft^3	cubic feet	0.03	cubic meters	m^3
yd^3	cubic yards	0.76	cubic meters	m^3
	MASS (weight)			
oz	ounces	28	grams	g
lb	pounds	0.45	kilograms	kg
	short tons (2000 lb)	0.9	tonnes	t



DIRECTORY

NAME AREA CODE	NAME AREA CODE
NAME AREA CODE	NAME AREA CODE
NAME AREA CODE	NAME AREA CODE
NAME AREA CODE	NAME AREA CODE
NAME AREA CODE	NAME AREA CODE

Sandy
533-0529

10 x 10 = 14.14
5 x 5 = 7.07
4 x 4 = 5.656
2 x 2 = 2.828
1 x 1 = 1.414

56.69
2.17
58.86

MSM 55.6M Canow Records

58.19
56.81
2.38

Datums (from JAW)

	Area V	1.17	57.28
	Area VB	1.76	56.69
	Area V	1.13	57.32
	Osage orange	0.95	57.50
06/01	Area IB		56.86
06/17	Area IC Road tree		55.81

Transit #2 - 56.86 ASL
+ 1.33
58.19

Transit #3 - 55.81
+ 1.61
57.42

"4 trees" - 55.52

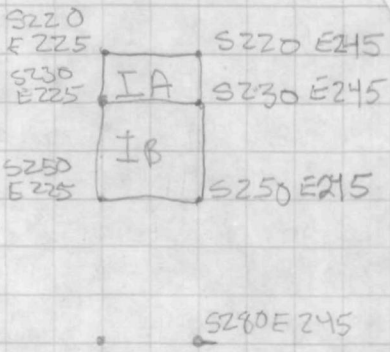
Thursday

	IA		56.69
	S226 E250	1.880 M to VB	58.57
	S226 E245	1.43 M	57.14
	S266 E241	1.93 M	56.64
	S266 E237	2.205 M	56.37
	S266 E233	2.205 M	56.37
	S226 E229	2.155 M	56.42
	S226 E225	1.995 M	56.58
	S228 E233	2.070 M	~~56.50~~ 56.49
	S228 E239	1.830 M	~~56.74~~ 56.73 M

04/27/87
Datum VB 1.970 M

58.45 "Transit" from '86 winter

56.65


S220
E225
S220 E245
S230
E225
IA
S230 E245
IB
S250
E225
S250 E245
S280 E245

Area IA

	NE	NW	SE	SW
IA	220/245	220/225	230/245	230/E225
IB	230/245	230/225	250/245	250/225
IC	250/245	250/225	280/245	280/225
IVA	240/225	240/175	265/225	265/175
V	215/280	215/265	225/280	225/265
VA	205/290	205/255	225/290	225/255
VB	205/320	205/290	225/320	225/290
VII	265/225	265/185	280/225	280/185
VIII	290/235	290/210	310/235	310/210
IX	300/190	300/155	330/190	330/155
X	235/320	235/295	225/320	225/295
XI	250/345	250/330	270/345	270/330
XII	280/365	280/335	300/365	300/335
XIII	215/435	215/415	250/435	250/415
XIV	215/460	215/440	245/460	245/440
XV	165/530	165/515	175/530	175/515
XVI	310/510	310/460	340/510	340/460

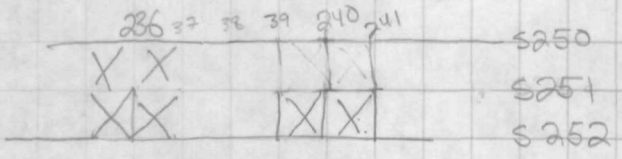
Datum IB	(1.950 M)	58.64-IH
S250 E241	1.74 M	56.90
S251 E241	1.61 M	57.03
S252 E241	1.70 M	56.94
S252 E240	—	
S252 E239	1.61 M	57.03
S251 E239	1.55 M	57.09
S250 E239	1.80 M	56.84
S250 E240	1.81 M	56.83
S251 E240	1.57 M	57.07
S250 E237	1.81 M	56.83
S251 E237	1.50 M	57.14
S252 E237	1.58 M	57.06
S252 E236	1.56 M	57.08
S252 E235	1.57 M	57.07
S251 E235	1.50 M	57.14
S250 E235	1.82 M	56.82
S250 E236	1.83 M	56.81
S251 E236	1.50 M	57.14
S228 E243	1.77 M	56.87
" 241	1.82 M	56.82
" 239	1.91 M	56.73
" 237	2.47 M	56.17
" 235	2.35 M	56.29
" E233	2.15 M	56.49
" E231	2.09 M	56.55
229	2.48 M	56.16
227		

Datum IB (1.95 M)

S224	E243	2.13 M	56.51
"	E241	2.21 M	56.43
"	E239	2.15 M (on balk)	56.49
	E237	2.28 M	56.36
	E235	2.23 M	56.41
	E233	2.36 M	56.28
	E231	2.37 M	56.27
	E229	2.41 M	56.23
S222	E229	2.53 M	56.11
	E231	2.37 M	56.27
	E233	2.42 M	56.22
	235	2.32 M	56.32
	237	2.34 M	56.30
	239	2.30 M	56.34
	241	2.29 M	56.35
	243	2.21 M	56.43

04/29 approx coordin ↓

Datum VB		S230E250 1.96 M	58.65-IH
S230	E243	1.19 M	57.46
S232	E243	1.41 M	57.24
S234	"	1.37 M	57.28
S236	"	1.45 M	57.20
S238	"	1.57 M	57.08
S240	"	1.52 M	57.13
S242	"	1.35 M	57.30
S244	"	1.43 M	57.22
S246		—	
S248		1.52 M	57.13
S250		1.58 M	57.07
S252		1.69 M	56.96
S254		1.72 M	56.93


236
37
38
39
240
241
$250
$251
$252

S256 E243	1.85		56.80
S258 E "	1.96		56.69
S260 E "	2.14	↓	56.51
S262 E "	—		
S264 "	—		
S266 "	2.64		56.01
S268 "	2.78		55.87
S270 "	~2.83		55.82
S272 "	2.93		55.72
S274 "	3.05		55.60
S276 "	—		
S278 "	—		

S230 E241 (inside house)	2.32	56.33
232 "	2.57	56.08
234	2.45	56.20
236	2.71	55.94
238	2.89	55.76
240	-4.00	54.65
242	2.67	55.98
244	2.90	55.75
246	2.83	55.82
248	—	
250	1.74	56.91
252	—	
254	1.73 "	56.92
256	1.89	56.76
258	1.99	56.66
260	2.15	56.50
262	2.34	56.31
264	2.50	56.15
268	2.54	56.11

5268	E241	2.70 real	55.95
270	"	2.77 "	55.88
272		—	
5230	E239	1.50 (on wall)	57.15
5232	"	3.10	55.55
5234		2.57	56.08
5236		2.96	55.69
238		3.58	55.07
240		3.61	55.04
242		2.63	56.02
244		3.14	55.51
246		2.83	55.82
248		2.62	56.03
250		1.80	56.85
252		—	
254		1.77	56.88
256		—	
258		—	
260		2.17	56.48
262		2.25	56.40
264		2.49	56.16
266		2.62	56.03
268		2.73	55.92
270		2.85	55.80
272		—	
274		3.04	55.61
276		3.17	55.48

S230 E237	2.00 M	56.65
S 232	2.68 M	55.97
S 234	3.01 M	55.64
S 236	2.92 M	55.73
S 238	3.46 M	55.19
S 240	3.36 M	55.29
S 242	3.04 M	55.61
S 244	3.18 M	55.47
S 246	2.89 M	55.76
S 248	3.81 M (ex. unit)	54.84
S 250	1.81 M	56.84
S 252	1.58 M	57.07
S 254	~1.78 M	56.87
S 256	—	
S 258	2.09	56.56
S 260	—	
S 262	—	
S 264	2.45	56.20
S 266	2.58	56.07
S 268	2.70	55.95
S 270	2.87	55.78
S 272	2.97	55.68
S 274	3.09	55.56
S 276	3.20	55.45
S230 E235	2.42 M	56.23
232	2.99 M	55.66
234	3.13 M	55.52
236	3.10 M	55.55
238	3.14 M	55.51
240	3.17 M	55.48
242	3.21 M	55.44
244	3.27	55.38
246	2.96 M	55.69

S 248 E235		2.83M	55.82
S 250		1.82M	56.83
S 252		1.56M	57.09
S 254		1.81M	56.84
S 256		1.91M	56.74
S 258		2.10M	56.55
S 260		—	
S 262		2.21	56.44
S 264		~2.51	56.14
S 266		—	
S 268		—	
S 270		2.83	55.82
S 272		3.00	55.65

05/1/87 IH - 1.87 + 56.69 = 58.56

S230 E233	1.81	56.75
S 232	2.45	56.11
S 234	2.64	55.92
S236	2.55	56.01
S238	2.66	55.90
S240	2.70	55.86
S242	2.73	55.83
S244	2.84	55.72
S246	2.72	55.84
S248	2.47	56.09
S250	1.78	56.78
S252	1.62	56.94
S254	1.76	56.80
S256	1.86	56.70
S258	2.05	56.51
S260	—	—
S262	2.27	56.29
S264	—	

S266 E233	2.72	55.84
268	2.69	55.87
270	—	
272	—	
274	—	

S230 E231	1.40	57.16
232	1.41	57.15
234	1.41	57.15
236	1.45	57.11
238	1.35	57.21
240	1.43	57.13
242	1.50	57.06
244	1.48	57.08
246	1.53	57.03
248	1.47	57.09
250	1.57	56.99
252	1.60	56.96
254	1.81	56.75
256	—	
258	2.04	56.52
260	2.13	56.43
262	2.34	56.22
264	—	
266	2.66	55.90
268	—	
270	2.78	55.78
272	2.94	55.62
274	—	

S230 E229	1.93	56.63
232	1.50	57.06
234	1.42	57.14
236	1.68	56.88
238	1.41	57.15
240	1.41	57.15
242	1.57	56.99
244	1.48	57.08
246	1.47	57.09
248	1.39	57.17
250	1.53	57.03
252	1.69	56.87
254	1.75	56.81
256	2.01	56.55
258	2.06	56.50
260	2.16	56.40
262	2.54	56.02
264	2.51	56.05
266	—	—
268	—	—
270	2.80	55.76
272	—	—
S230 E227	1.63	56.93
232	1.62	56.94
234	1.64	56.92
236	1.65	56.91
238	1.71	56.85
240	1.67	56.89
242	1.67	56.89
244	1.68	56.88
246	1.55	57.01
248	1.43	57.13

S250	1.58	56.98
252	1.72	56.84
254	1.77	56.79
256	2.00	56.56
258	2.15	56.41
260	2.24	56.32
262	—	
264	2.56	56.00
266	2.64	55.92
258	2.65	55.91
270	—	
272	—	

S230 E225	1.76	56.80
232	1.69	56.87
234	1.79	56.77
236	1.78	56.78
238	1.82	56.74
240	1.83	56.73
242	1.80	56.76
244	1.71	56.85
246	1.63	56.93
248	1.51	57.05
250	1.61	56.95
252	1.79	56.77
254	1.84	56.72
256	1.91	56.65
258	2.05	56.51
260	2.21	56.35
262	2.42	56.14
264	2.55	56.01
266	2.60	55.96
268	2.67	55.89

270	271	55.85
272	—	

05/05 2.17 M
05/06 2.18 M
05/07 2.17 M

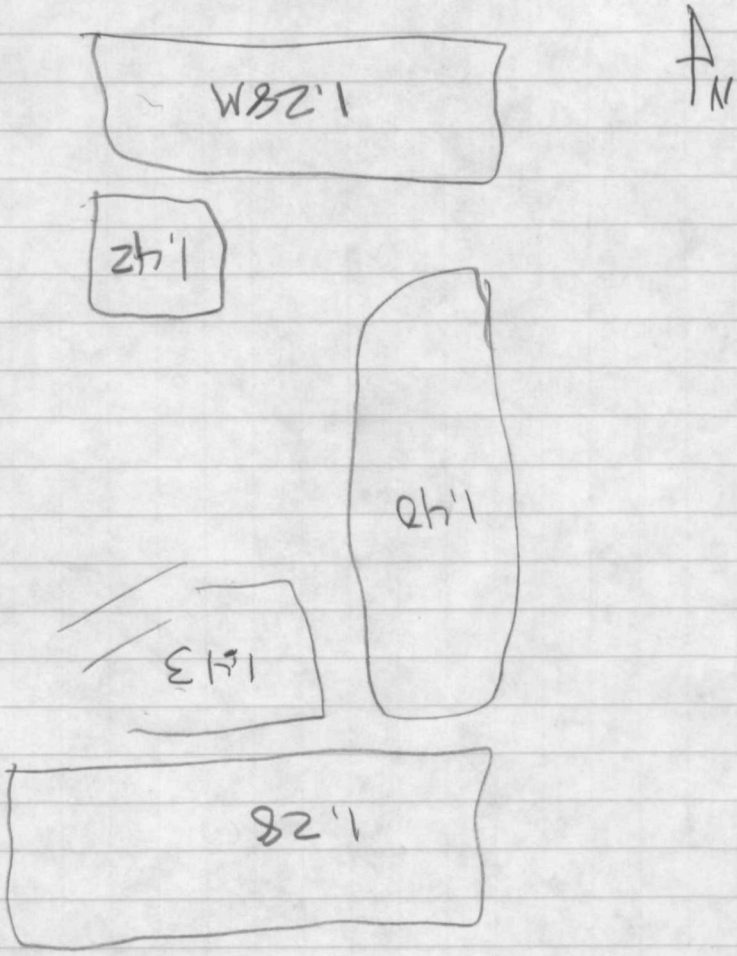
IA S226 ✓
all E245 ✓
IC: 56.69 + 2.17

S252 E239			
S252 E241			
S256 E239	2.05	56.81 ✓	
S256 E237	2.18	56.68 ✓	
S256 E231	2.28	56.58 ✓	
S258 E239	2.15	56.71 ✓	
S260 E237	2.61	56.25 ✓	
S260 E235	2.49	56.37 ✓	
S260 E233	2.43	56.43 ✓	
S262 E243	tree	—	
S262 E237	2.58	56.28 ✓	
S262 E227	2.71	56.15 ✓	
S264 E243	tree	—	
S264 E233	2.72	56.14 ✓	
S264 E231	2.88	56.06 ✓	
S266 E235	2.83	56.03 ✓	
S266 E229	2.96	55.90 ✓	
S268 E231	tree	—	
S268 E229	2.99	55.87 ✓	
S270 E233	3.09	55.77 ✓	
S270 E227	2.84 treefall	56.05 ✓	
S272 E241			
S272 E233			

S226	E245	1.74	in rubble	57.12
	243	1.96	" "	56.9
	241	2.23		56.63
	239	2.41		56.45
	237	2.50		56.36
	235	2.52		56.34
	233	2.50		56.36
	231	2.51		56.35
	229	2.45		56.41

S228	E245	1.86	excavated	57.00
230		1.62	~~on~~ in rubble	57.24
232		1.55		57.31
234		1.61		57.25
236		1.06		57.80
238		1.27		57.59
240		1.32		57.54
242				
246		1.70		57.16
248		1.70		57.16
250		1.75		57.11
252		1.89		56.97
254		1.84		57.02
256		2.10		56.76
258		2.23		56.63
260		2.38		56.48
262		2.58		56.28
264		2.82		56.04
266		2.92		55.94
268		3.01		55.85
270		3.09		55.77
272		3.27		55.29
274		3.35		55.51

5/12
~~12/5~~
to VB 2.13 M 56.69

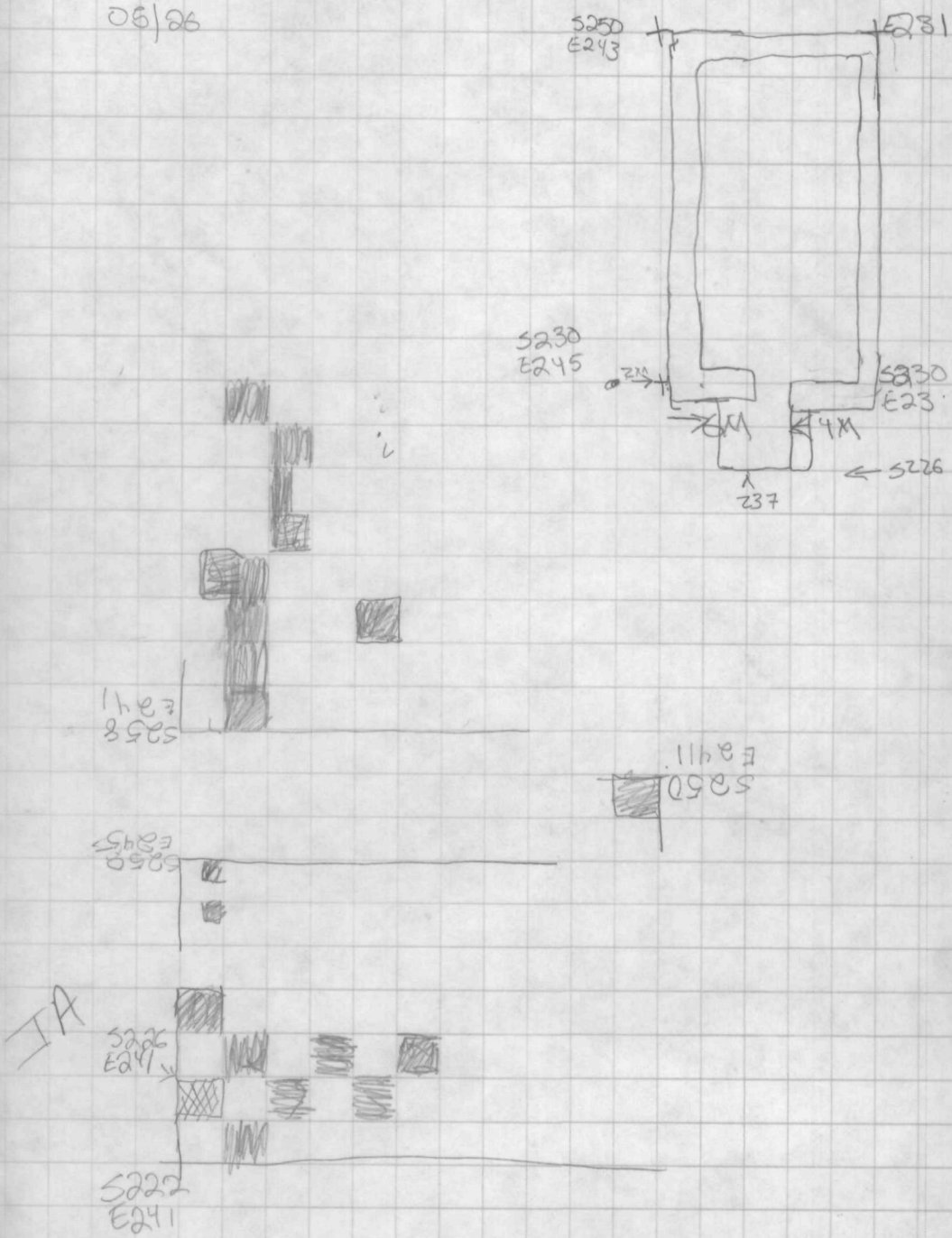


05/18/87
laying in grid so IB can be mapped
new scraping down
PB + KC start to map

05/19/87 rain
HI 2.04M
Bonita + I try to map IB

need elevation for S252 E240

05/26


S250
E243
E231
S230
E245
2M
S230
E23
6M
4M
S226
237
S258
E241
S250
E241
S250
E245
IA
S226
E241
S222
E241

06/15/87 Elevations for contour map only

S246	E225	1.20
	E220	1.53
	E215	1.85
	E210	1.81
	E205	2.11
	E200	2.12
	E195	tree
	E190	2.41
	E185	2.35
	E180	
	E175	
	E170	

S250	E225	1.25
	E220	1.57
	E215	tree
	E210	2.10
	E205	1.95
	E200	2.04
	E195	1.95
	E190	2.01
	E185	2.36
	E180	2.56
	E175	—
	E170	3.28
drop off	171	

S254	E225	1.47
	E220	1.71
	E215	1.84
	E210	tree
	E205	2.01
	E200	2.21

S254 E195 2.33
E190 2.41
E185 2.46
E180 2.61
E175 3.26
E170 tree

S258 E225 + S262 E225 etc need to be
E220 cleared - heavy growth
E215 + woods
E210
E205
E200
E195
E190
E185
E180
E175
E170

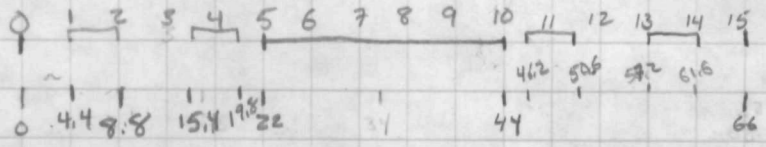
258
246
2

S266 E225 tree
E220 2.05
E215 2.24
E210 2.19
E205 2.23
E200 2.39
E195 2.36
E190 2.44
E185 2.67
E182 drop off 3.05
~~E175~~
~~E170~~

225
-40
185

15

~66 ft



$\frac{15}{22}$ $\frac{2}{x}$

$15\overline{)44}$ = 2, 30, 14

$\frac{15}{22} = \frac{3.5}{x}$

$2\overline{)3.4}$ = 1, 2

22 × 3.5 = 110, 66, 77.0

$\frac{5}{22}$ $\frac{2}{x}$

$5\overline{)44}$ = 8.8, 40

$\frac{5}{22} = \frac{3.5}{x}$

$5\overline{)77}$ = 15.4, 5, 27, 25, 20

$\frac{5}{22} = \frac{4.5}{x}$

$5\overline{)99}$ = 19.8, 5, 49, 45, 4

22 × 3.5 = 110, 66, 77.00

22 × 4.5 = 110, 88, 99

15.4 − 8.8 = 6.6

22.0 − 19.8 = 2.2

19.8 × 15.4 = 44

46.2 + 4.4 = 50.6

50.6 + 6.6 = 57.2

57.2 + 4.4 = 61.6

04/23/87				
04/24/87				
04/27/87	pulled			
04/28/87	pulled			
04/29/87	pulled	1.96		58.65
04/30/87	pulled			
05/1/87	pulled	1.87		58.56 M
05/4/87				
05/5/87	TS #1	2.17 M		58.86 M
05/6/87	TS #1	2.17 M		58.86 M
05/7/87	TS #1	2.17 M		58.86 M
05/8/87	TS #1	2.17 M		58.86 M
not sure 05/11/87	TS #1	2.18 M		58.86 M
05/12/87		1.96 M		58.65 M
both 05/13/87		1.96 M 1.97 M		58.65 58.66 M
05/14/87		2.06 M		58.75 M
05/15/87				
05/13/87		2.13 M		58.82
05/18/87				
05/19/87	morning	2.04 M 58.73 M	afternoon	TS #2 1.47 M
05/20/87	? TS #2	1.47	1.32	58.34
05/21/87	TS #2	1.47 M		58.34
05/22/87	TS #2	1.33 M		58.19
05/25/87	HI	1.56 M		
05/26/87	TS #2	1.33 M		58.19
05/27/87	TS #2	1.33 M		58.19
05/28/87	TS #2	1.48 M		58.35
05/29/87	TS #2	1.33 M		58.19

Transit Station # 2 = 56.86 ASL
+ 1.33 HI
58.19

06/1/87 TS#2 HI = 1.33 M
06/2/87 " HI = 1.33 M
06/3/87 " HI = 1.33 M
06/4/87 TS#2 HI = 1.33 M
06/5/87 " HI = 1.33 M

06/8/87 "
06/9/87
06/10/87
06/11/87
06/12/87

09/09/87 Transit St #3 1.61
Shot to Datum ~~area~~ 55,81 Back tree
ergo 55.81
1.61
57.42

Transit # 3-57.42 M

57.28
1.20
58.48

Area V & VA

04/27/87

Datum	1.205 M	57.28	58.48
			1.48
S221 E284	1.480 M		57.00

S221 E286	1.22 M	TS#2 58.19
		1.22
		56.97

07/14/87

	56.69		
HI	1.59		58.28
	1.62	S219 E296	56.66
	1.53	S219 E290	56.75
	1.78	S216 E280	56.50

07/23		56.69		56.69
HI	1.57			1.57
				58.26
				1.08
	1.08	S225 E271	57.18 M	57.18
		56.69		56.69
				1.84
HI	1.54			58.23
				1.83
	1.83	S215 E296	56.40	56.40
	1.07	S225 E269	57.16	

				58.25
				1.07
				57.16

07/31/87				56.69
				1.57
				58.26
	1.57			1.49
	1.16	S228 E270	57.10	56.77
	1.68	S213 E286	56.58	in fill
	1.75	S213 E288	56.51	
	1.36	S221 E288	56.90	
	1.49	S219 E290	56.77	

8/6/87

HI 1.51

S223E286	1.16	57.04
S221E288	1.29	56.91
S 225E286	1.14	57.06
S 222E263	1.02	57.18
S 227E264	0.88	57.32
S 228E268	1.00	57.20

56.69
1.51
58.20

58.20
0.88
58.20
.88
57.32

09/10/87 HI 1.66

S227E286	1.33	57.02
S225E288	1.35	57.00

56.69
1.66
58.35
1.33
57.02

58.35
1.35
57.00

HI monday 1.56 M

05/26/87
morn - BR + I on maps
afternoon - grid in main house +
E225 + E229
HI - TR#2 1.33 M
05/27/87 BR + I = main house
in morning
afternoon BR + I map CG area
HI - TR#2 1.33 M

05/28/87 sick
HI 1.48 M (?)
1.47 M
05/29/87 HI - 1.33
BR + I plan view + profile
main house cellar

06/01/87
HI 1.33 M
VB 1.94 M
Area I datum 1.77 M 56.86 ASL
5
06/02/87
HI 1.33 M profile fireplace
see elevations
for cellar

	E233	E235	E237	E239	E241	
		2.68M				S230
	2.71M	2.76M	2.70	2.71	2.67	S232
	2.82M	2.85M	2.71	2.69	2.68	S234
	2.82M	2.81M	2.71	2.49	2.70	S236
	2.92M	2.90	3.43	3.48	3.56	S238
	2.91M	2.90	3.52	3.54	3.50	S240
	2.92M	2.92M	2.97	3.00	2.95	S242
	3.02M	3.00	2.96	3.00	2.95	S244
	2.95M	3.00	3.00	2.98	2.99	S246
	2.93M	2.97	2.96 3.35	2.98	2.95	S248

06/02/87

HI 1.33M Transit Station #2

1.52
1.56 E
1.54
1.65
1.67
233

06/03/87 - something rotten on North profile - chimney, lose temper.

06/04/87 - shopping
PB working on converting elevations + screening
working on elevation map
06/05/87 - Bonita + I grid area between VA(?) + VB
Bonita + I - elevations walls in cellar

06/8/87 BG screen + paperwork
me paperwork

58.19 1.05 57.14
58.19 1.15 57.03

S251 E237 - 1.05 M I datum
S252 E240 - 1.16 M " "

Ginns Alex 836-8115
No George Mason 425-3991 bookstor 323-2696
~~Go~~ UDC No 282-7447

Visual Systems Bailey 820-4650

Thorpe Smith 534-4779

Adcom 2370100

~~[illegible]~~
Paper comp
Holliger 6716600

Ginns-

Nat'l 533-8700

356-8477

994-6870
George Washington 676-6000

6842
Georgetown 625-4068

Cathlic 635 5232

American 293 7070

357-2700

-2124

Me
Phil
Dave
Tom
Ana
Wally
Katherine

14th + const
9:00
Carnival const Ave entrance

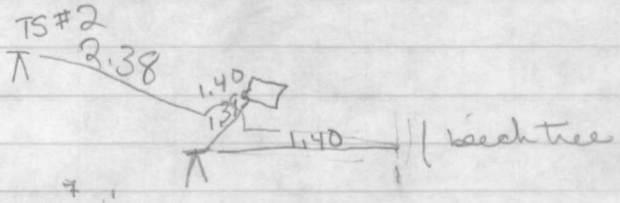
Falk

06/15/87 - Bonita - I get
- elevations for S 246 line
extending west from E 225
- trying to grid Area VII

06/16/87

	B.R's elevations to VB		56.69
			- 1.36
			58.05
1.	S 217 E 286	1.42	56.63
2	S 223 E 286	1.06	56.99
3	stump in S 225 E 278	0.96	57.09
4	S 222 E 292	1.20	56.85

06/17/87
transit set up at S 270 E 213
for griding out area VII
a datum set in "beech" tree



so 58.19 - HI Transit #2
- 2.38
55.81 Datum "Beech" tree

06/22/87

Bonita in B'more working for Sunday morning - paperwork

Ideas for surveyors meeting

- dates on all maps + profiles
- titles on " " "
- on any loose papers please make sure "Addison Plantation 18PR175 and Area
- if you must use a symbol, keep it consistant for all maps in a unit or area.

prefer letters for soil designation

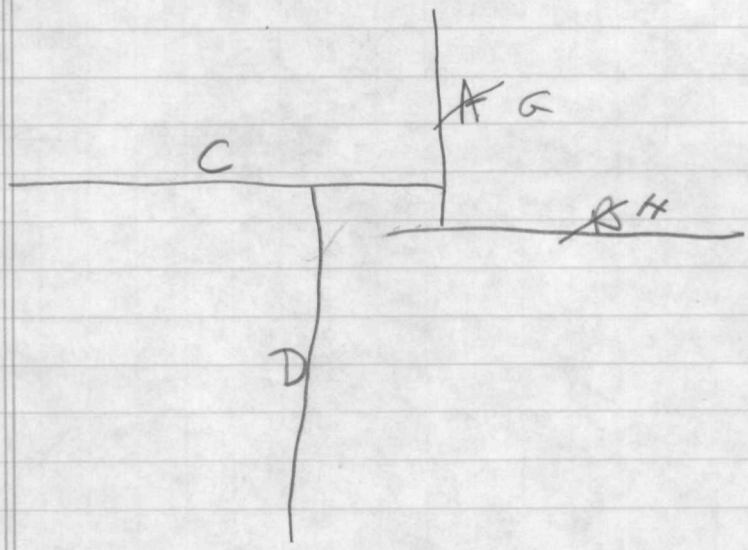
6/24 & 25/87

worked on paperwork

6/26 - 5 hand tests for area IA + IB

S210 E285 - in backdirt + will be dry
S215 E285 - already dry
S215 E290 - pin - corner unit
S220 E295 - can do
S220 E305 - might B-7748

09/10/87 Trenches in 4A



house E
middle F

09/11/87
area IV/VA
HI 1.71

T 149/160	1.93	56.47	56.69
B	2.74	55.66	1.71
			58.40

T350	2.03	56.37
B350A	2.84	55.56
B350D	2.61	56.79

T354	2.09	56.31
B354B	2.53	5687

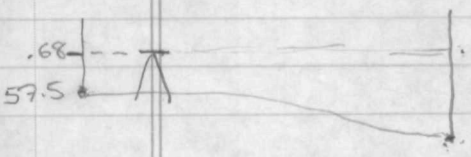
b	354 A/C	2.63	55.77
b	354 D	2.56	55.84
T	175	2.04	56.36
b	175	2.55	55.85
T	177	2.06	56.34
b	177	2.54	55.86
T	211	2.03	56.37
b	211 b	2.76	55.64
T	211 c	1.96	56.44
b	211 d	2.37	56.03
T	201	2.05	56.35
b	201 A	2.60	55.80
b	201 B	2.57	55.83
	~~b 201 C~~		
T	345	2.09	56.31
b	343	2.87	55.53
T	344	2.14	56.26
b	344	2.64	55.76
T	385	1.90	56.50
b			
T	362	1.87	56.53
b	362 A	2.25	56.15
T	479	1.78	56.62
b	479	1.96	56.44

T	480	1.78	56.62
b	480	1.91	56.49
T	482	1.78	56.62
b	482	1.92	56.48
T	382	1.76	56.64
b	382	1.97	56.43
T	145	1.90	56.50
b	145	2.28	56.12
	5221 E 294	1.52	56.88

VOID ELEVATIONS for Area XII

09/17/87 BG 09/25

shooting to o orange 57.50
H1 0.68 .68
58.18



58.18
"4" trees north of Area 12 2.52
55.66

55.66
shot H1 north of 12 0.27
to "4" trees 55.93

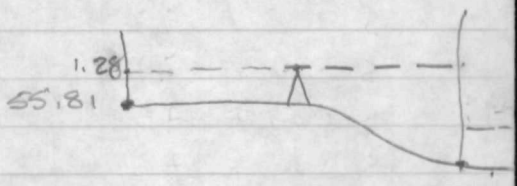
S 280 E 365	2.61	53.32
S 280 E 361	2.33	53.60
S 280 E 357	1.88	54.05
S 280 E 353	1.37	54.56
S 280 E 349	1.42	54.51
S 280 E 345	1.55	54.38
S 284 E 361	2.61	53.32
S 284 E 357	2.35	53.58
S 284 E 353	2.06	53.87
S 284 E 349	2.83	53.10
S 284 E 345	2.96	52.97
S 284 E 341	2.17	53.76
S 288 E 361	2.70	52.23
S 288 E 357	2.85	53.08
S 288 E 355	2.68	53.25
S 288 E 353	2.51	53.42
S 288 E 351	2.25	53.68

S 290	E 357	3.09	52.84
S 290	E 355	2.82	53.11
S 290	E 353	2.58	53.35
S 290	E 351	2.50	53.43
S 292	E 357	3.21	52.72
S 292	E 355	2.77	53.16
S 292	E 353	2.73	53.20
S 294	E 357	3.31	52.62
S 294	E 355	3.06	52.87
S 294	E 353	2.77	53.16
S 294	E 351	2.76	53.17
S 296	E 357	3.67	52.26
S 296	E 355	3.41	52.52

09/18 for Area IX

In area 4 - shooting to Beech tree station

55.81
HI + 1.28
57.09 M ASL



shot down to North of Area 9 double tree - 1.49

57.09
- 1.49
55.60

shot up to double tree 0.48

55.60
+ 0.48
56.08

S294 E189	1.85	54.23
S298 E189	2.04	54.04
S300 E187	2.28	53.80
S298 E185	2.31	53.77
S300 E185	2.32	53.76
S300 E183	2.58	53.50
S298 E181	2.70	53.38
S300 E181	2.78	53.30
S300 E179	2.97	53.11

S 298 E177	3.03	53.05
S 300 E177	3.08	53.00
S 302 E177	3.08	53.00
S 300 E175	3.20	52.88
S 306 E177	3.04	53.04
S 308 E177	3.25	52.83
S 312 E177	3.61	52.47
S 314 E177	3.81	52.27
S 316 E177	3.99	52.09
S 306 E175	3.16	52.92
S 298 E173	3.31	52.77
S 300 E173	3.32	52.76
S 302 E173	3.36	52.72
S 304 E173	3.35	52.73
S 306 E173	3.28	52.80
S 308 E173	3.40	52.68
S 310 E173	3.47	52.61
S 312 E173	3.68	52.40
S 314 E173	3.81	52.27
S 316 E173	3.96	52.12
S 306 E171	3.54	52.54
S 306 E169	3.80	52.28

New datum from above 3.94 52.14

New station BS To Area K datum 2.18

54.32

S 314 E177	2.05	52.27
S 316 E177	2.23	52.09
318 "	2.43	51.89
320 "	2.59	51.73
322 "	2.71	51.61
324	2.86	51.46
326	3.00	51.32

	328 E177	3.16	51.16
	330 E177	3.35	50.97
	S330 E175	3.24	51.08
	S328 E175	3.05	51.27
	S326 E175	2.93	51.39
	S324 "	2.77	51.55
	S322	tree	
	S320	2.50	51.82
	S318	2.36	51.96
	S316	2.20	52.12
	S312 E173	1.92	52.40
	S314	2.06	52.26
	S316	2.21	52.11
	S318	2.35	51.97
	S320	2.48	51.84
	S322	2.64	51.68
	S324	2.77	51.55
	S326	2.88	51.44
	S328	3.08	51.24
	S330	3.23	51.09
	S306 E171	1.80	52.52
	S306 E169	2.04	52.28
	S306 E167	2.23	52.09
	S306 E165	2.51	51.81
	S306 E163	2.79	51.53
	S306 E161	3.06	51.26
	S306 E159	3.33	50.99
not read	S306 E157	3.68 tree	50.64
	S306 E155	tree	

VOID Elevations for area XII

09/21

HI 0.14

~~55.66~~
+ .14
55.80

S286	E245	1.93	53.87
S284	"	1.72	54.08
S282		1.47	54.33
S284	E243	1.76	54.04
	E241	1.93	53.87
	E239	2.15	53.65
	E237	2.37	53.43
no t real	E235	2.57	53.23
S284	E247	1.65	54.15
S286		1.88	53.92
S288		2.14	53.66
S290		2.37	53.43
S292		2.45	53.35
S294		2.60	53.20
S296	E249	tree	
S294		2.59	53.21
S292		2.47	53.33
S290		2.30	53.50
S288		2.02	53.78
S286		1.85	53.95
S284		1.59	54.21
S280		1.21	54.59
S284	E251	1.58	54.22
S288	'	2.05	53.75
S290		2.29	53.51
292	tree		
S294		2.60	53.20

VOID Elevations for XII

S296 E251	>tee	
S298		
S296 E253	3.11	52.69
S294	2.85	52.95
S294 E259	3.47	52.33
S292	3.22	52.58
S290	tee	
S288	2.66	53.14
S286		
S284	2.29	53.51
S284 E261	2.41	53.39
S288	2.51	53.29
S290	2.66	53.14
S292	tee	
S292 263	3.62	52.18
S284 E263	2.43	53.37

for contour map only

S282 E247	1.43	54.37
249	1.35	54.45
251	1.40	54.40
253	1.44	54.36
255	1.84	53.96
257	1.92	53.88
259	2.06	53.74

area XII ~~end~~
ridge extends

S280	"	E	2.2M
S284	"	"	2.0
S288	"	E	1.7
S288 E263	at edge		
S294 E259	"	"	1.20 + 4.4
" "	"	S	3.0
S298 E255	"	"	1.0
S298 E251	"	"	1.0
S294 E247	"	"	4.1
S292 E245			3.2
S284 E237	"	"	4.3
S284 E235	"	E	2.0

09/22/87 + 9/25/87
reshooting area XII

at S250 E300 to Osage Orange 0.81

57.50 - Osage Orange
+ 0.81 HI
58.31
- 2.79 - "4" trees datum
55.52
+ 0.49

S280 E365	2.80	53.21
E361	2.51	53.50
E357	2.08	53.93
E353	1.53	54.48
E349	1.57	54.44
E345	1.69	54.32

S284 E245	2.12	53.890
S288	2.57	53.44
S292	2.94	53.07
S292 E249	2.85	53.16
S288	2.41	53.60
S284	1.98	54.03
S284 E253	2.21	53.80
S288	2.69	53.32
S292	2.62	53.39
S296 E257	3.84	52.17
S292	3.39	52.62
S288	3.01	53.00
S284	2.52	53.49
S284 E261	2.79	53.22
S288	2.90	53.11
S292	3.65	52.36

Area IC

t 1.99	/ 3.09	S 276 E 235
t 0.56		S 254 E 243
t 0.56		S 254 E 237

Area VII elevations

Beech tree datum 55.81

HI 1.67

57.48

S274E225	2.06	55.42
E223	2.03	55.45
221	1.98	55.50
219	1.93	55.55
217	1.92	55.56
215	1.92	55.56
213	1.82	55.66
211	1.85	55.63
209	1.76	55.72
207	1.79	55.69
205	tree	
203	1.75	55.73
201	1.76	55.72
	bees	
197	1.86	55.62
195	1.97	55.51
193	2.00	55.48
191	2.03	55.45
189	2.05	55.43
187	2.18	55.30
185	2.29	55.19

S270	E223	1.46	56.02
	221	1.60	55.88
	219	1.68	55.80
	217	1.77	55.71
	215	1.79	55.69
	213	1.60	55.88
	211	1.53	55.95
	209	1.59	55.89
	207	1.57	55.91
	205	1.71	55.77
	203	1.52	55.96
	201	1.74	55.74
	199	1.79	55.69
	197	1.78	55.70
	195	1.71	55.77
	193	1.76	55.72
	191	1.88	55.60
	189	1.92	55.56
	187	2.12	55.36
	185	2.19	55.29
S266	E223	1.45	56.03
	221	Tree	
	219	1.47	56.01
	217	1.48	56.00
	215	1.48	56.00
	213	1.48	56.00
	211	1.47	56.01
	209	1.45	56.03
	207	1.46	56.02
	205	1.63	55.85
	203	1.66	55.82

Shooting for Bonita in area IC

IC > 1.83	57.48	57.48	57.48	55.81	datum
1.62	1.83	1.62	1.53	1.67	HI
trench - 1.53	55.65	55.86	55.95	57.48	

S268 195	1.73	55.75
S268 E193	1.72	55.76
S262 E189	1.69	55.79
S266 E189	1.80	55.68
S268 E189	1.88	55.60
S272 E187	2.14	55.34
189	1.97	55.51
191	2.00	55.48
193	1.93	55.55
195	1.82	55.66
197	1.84	55.64
199	1.66	55.82
201	1.69	55.79
203	1.68	55.80
205	1.65	55.83
S276E 203	1.80	55.68
201	1.86	55.62
199	1.76	55.72
197	1.93	55.55
195	2.05	55.43
193	2.10	55.38
191	2.08	55.40
189	2.12	55.36
187	2.32	55.16

		57.48
shot to double tree	1.87	- 1.87
		55.61
back shot to D tree	0.46	- .46
	3.91	56.07
		- 3.91
		52.16

09/25/87
Area TK 52.14
HI = 2.05

			54.19
S302	E169	1.76	52.43
S306		1.91	52.28
S310		1.91	52.28
S314		2.16	52.03
S318		2.41	51.78
S322	on tape	2.73	51.46
S326		3.02	51.17

for topo only

S310	E165	2.38	51.81
	E161	2.96	51.23
	E157	3.78	50.41
S318	E165	2.93	51.26
	E161	3.75	50.44
S304	E185	1.14	53.05
S308		1.84	52.35
S306	E181	1.38	52.81
S310	E177	1.57	52.62
S310	E181	1.87	52.32
S314	E181	2.21	51.98
	decreased to 181.6		
S318	E181	2.69	51.50
	E183	2.93	51.26
S322	179	2.69	51.50

finish IC
finish IB
finish IA
finish topo map of "west" Terrace
" V/VA

09/25 con't

S326	E179	3.00	51.19
S330	E179	3.39	50.80
S334	E177	3.53	50.66

57.50

to Osage Orange .0.71
58.21

58.21

to "4" trees 2.73

55.48

JAW + I decide to use the 55.52M for "4" trees because it falls mid-range between the elevations we've shot

to "4" trees		0.40	
S284	E345	2.02	53.90
	E349	1.90	54.02
	E353	2.14	53.78
	E357	2.44	53.48
	E361	2.71	53.21

09/25

HI 0.41 Area XII

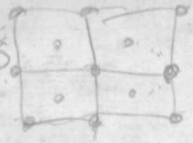
	S282 E349	1.65	54.28
	E351	1.71	54.22
	E353	1.75	54.18
	E355	2.15	53.78
	S280 E353	1.46	54.47
	E351	1.43	54.50
	S286 E351	2.20	53.73
	353	2.43	53.50
	355	2.61	53.32
	357	2.68	53.25
	359	2.79	53.14

09/28 HI - 0.52

FTD	S282	E365	2.99	53.05
"		E363	2.80	53.24
"		E361	2.68	53.36
"		E359	2.49	53.55
"		E357	2.31	53.73
R		E347	1.82	54.22
R		E345	1.87	54.17
R	S284	E363	2.82	53.22
R		359	2.69	53.35
R		355	2.46	53.58
R		351	1.95	54.09
R		347	2.05	53.99

FTD	S286	E363	2.86	53.18
"		361	2.91	53.13
R		349	2.25	53.79
R		347	2.27	53.77
R		345	2.32	53.72
FTD	S288	E363	3.07	52.97
R		E359	3.06	52.98
R		E355	2.88	53.16
R		E351	2.42	53.62
R		E347	2.53	53.51
R	S290	E361	307	52.97
		359	3.27	52.77
		357	3.27	52.77
		355	3.01	53.03
		353	2.77	53.27
		351	2.68	53.36
		349	2.69	53.35
		347	2.76	53.28
		345	2.74	53.30
R	S292	E363	>4.00	
R		E359	3.63	52.41
R		355	2.95	53.09
FT		351	2.70	53.34
R		347	2.84	53.20
	S294	E363	4.01	
		361		
R		359	3.86	52.18
R		357	3.51	52.53
		355	3.25	52.79
		353	2.97	53.07

2.463
2.46



Transit
2.18 M

Crew Chiefing
05/05/87

S262E239	A	7094
S261E239		7095
S261 E240		7096
S262 E240		7097
S264 E233		7098
S263 E233		7099
S263E232		7080
S264 E232		7081

crew - Dennis, Kathy, Eric, myself
hectic morning - gettin' Bonnie's set up, IC, showing folks how to use transit
Kathy + Dennis set up to excavate S262E239 2x2
Eric + I will do S264E233

225/229/233/237./ S250 E241 S250 E245+ S250 E250+

Things for Betsy to do

- grid (2x2 M) area between the excavated V B + V A

- Draw features in Judy's area I C

- finish cellar profiles
- finish " plan

~~- profile ~~from~~ Billy Ray (06/03?)~~

- finish contour + redraw (to make pretty)
  ~~F 15~~
  terrace

Area XII Elevations 09/28/87

R	S294	E351	2.98	53.06
FTO		E349	2.99	53.05
FTO		E347	2.92	53.12
FTO	S296	E359	too low	
R		E357	3.88	52.16
		E355	3.61	52.43
		E353	3.50	52.54
		E349	3.45	52.59
		E347	3.38	52.66

Area VB 10/5/87

HI 1.71

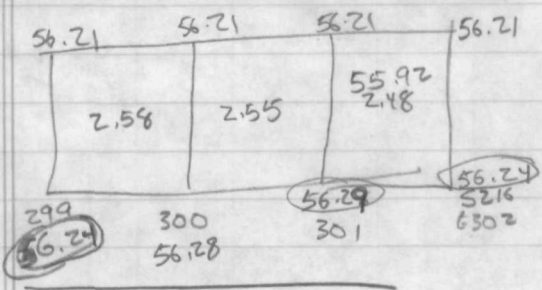
SE	S214	E304	2.21	56.19
	S214	E303	2.23	56.17
	S212	E304	2.25	56.15
	S212	E303	2.24	56.16
	S218	E301	2.04	56.36
	S218	E300	2.07	56.33
	S218	E298	2.02	56.38
	S217	E298	2.13	56.27
	S217	E300	2.12	56.28
	S217	E296	1.93	56.47
S	S217	E297	2.10	56.30
	S215	E297	2.16	56.24
	S213	E296	2.08	56.32

S215	E298	2.20	56.20		
		top			bottom
S216	E299	2.16	56.24	2.61	55.79
	E300	2.12	56.28	2.58	55.82
	E301	2.11	56.29	2.50	55.90
	E302	2.16	56.24	—	

				inside feature	
S215	E302	2.19	56.21	2.43	55.97
	E301	2.19	56.21	2.48	55.92
	E300	2.19	56.21	2.53	55.87
	E299	2.19	56.21	2.54	55.86

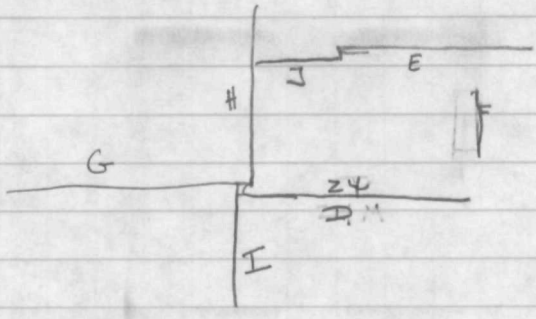
for Mark - see plan map 10/5/87

1	2.94	55.46	floor bottom of 329
2	3.23	55.17	west wall floor - 329
3	3.34	55.06	floor feat 6
4	3.36	55.04	—



for Mark

1.76	56.64	top stairs 329
1.49	56.91	top trench 329



10/9/87
for B. Locker feature #
To VB tree - 56.69
+ 1.80
58.49
arbitrary pt. - -1.57
above feature 56.92

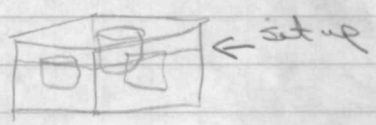
2.236

V/VA
mark's units ✓
lance's units ✓
feature #'s ✓
base of cellar ~50 50

IA -
UPDATE

IB -
fix/finish fireplace plan ✓
add Phil's features + new floor
check angle of arch ✓

IC
UPDATE + deal w/ features next to house
larger scale?
all on one map showing relationship?



56.69
+1.73
58.42

10/12 -

58.42
2.19
6 24

BS - 1.73 VB Datum

58.42
2.22
12

stake (gs)	1.40	57.02	S2B6E284
1	2.18	56.24	
2	2.19	56.23	
3	2.30	56.12	
4	2.22	56.20	

for MW 1.84 S218E277 56.58

10/14/87

for area VIII — Beech tree → 55.81 *

BS to Beech tree - 0.86 M — 56.67

shot to spike N of VIII - 3.83 M — 52.84 *

BS to " " " " - 0.38 M — 53.22

Area VIII coordinates — 53.22

S290	E225	1.48	51.74
S292		1.95	51.27
S294		2.36	50.86
S296		2.73	50.49
S297		2.88	50.34
S298		3.01	50.21
S300		3.23	49.99
S301		3.34	49.88
S303		3.47	49.75
S294	E227	2.46	50.76
S297		2.91	50.31
S298		3.01	50.21
S294	E229	2.45	50.77
S298		3.00	50.22
S294	E231	2.33	50.89
S298	E231	2.85	50.37
S294	E233	2.19	51.03
S290	E223	1.41	51.81
S291		Tree	
S294		2.23	50.99
S298		3.00	50.22
S301		3.35	49.87

North 4A S240 >90 M
South 9 S330

West 9 E155 >90 M
East 10 E245

	S302	E223	3.48	49.74
	S294	E221	2.20	51.02
	S294	E219	2.00	51.22
		E217	1.82	51.40
		E215	1.60	51.62
	S298	E221	2.91	50.31
		E219	2.79	50.43
		E217	2.61	50.61
	for top only			
	S302	E229	3.46	49.76
drop off	S304	E229	3.45	49.27
drop off	S304.5	E225	over 4.00	over 49.22
	S304		3.88	49.34
drop off	S304.1	E221	3.84	49.38
drop off	S393.4	S217	3.40	49.82
going down	S286	E215	0.22	53.00
	S287	E225	0.98	52.24
	S286	E233	0.75	52.47

56.69
1.85
58.54

10/15/87

VB/V

BS to VB tree	-	1.85	58.54
S219 E296	-	1.86	56.68
calc. pt. ~S219 E291	-	1.76	56.78
S227 E286		1.48	

58.54
1.48
57.06

10/16/87

elevations for area between IX + VII

double tree 55.60
BS to d tree 1.26
56.86

S302	E189	3.52	53.34
S298	E189	2.81	54.05
S298	E193	3.06	53.80
S294	E196	2.87	53.99
S299	E189	2.36	54.50
S286	E200	1.94	54.92
S280	E185.5	1.87	54.99
S282	E189	1.85	55.01
S286	E189	2.0	54.86
S280	E203	1.49	55.37
S283.5	E203	1.75	55.11

new HI Beech tree Datum 55.81
BS to BT Datum 1.45
57.26

57.26

S280	E191	1.92	55.34
S280	E195	1.97	55.29
S280	E199	1.94	55.32
S282	E195	2.16	55.10
S284	E195	2.31	54.95
S278	E213	1.70	55.56
S278	E217	1.80	55.46
S278	E221	1.96	55.30
S278	E225	1.99	55.27

10/19/87 for topo only Beech tree datum 55.81

272
+ 15

BS to Beech tree 1.13

56.94

S285	E245	3.44	~~53.5~~ 56.20
S287.5	E245	3.82	~~53.12~~ 55.82
S282	E245	2.92	~~54.02~~ 56.72
S281	E249	2.44	~~54.50~~ 57.2

+2.70 (7/28/88)

S270
E260

S296	E260	2.03	~~54.91~~	57.61
S292	E260	1.70	~~55.24~~	57.94
S285	E260	1.39	~~55.55~~	58.25
S282	E260	1.40	~~55.54~~	58.24
S280	E260	1.29	~~55.65~~	58.35
S278	E260	1.13	~~55.81~~	58.51
S274	E260	1.21	~~55.73~~	58.43
S270.5	E260	1.13	~~55.81~~	58.51

+2.70 (7/28/88)

BS Beech 1.15
pt for Dana 1.14
(tree datum)

55.81
+ 1.15
56.96
1.14
55.82

1863 Shoreline Surveys

T 5756 Oct 1940 Pot River Alex
T 5761 April 1937 " Indian Head

391

John Milner Assoc
354-9737

Area V/VA

10/26 BS to VB Datum 56.69
BS to VB " 1.83

58.52

F # 515	top	1.79	56.73
"	bottom	2.40	56.12
# 514	t	1.83	56.69
"	b	2.30	56.22
523	t	1.79	56.73
	b	2.23	56.29
492	t	1.85	56.67
	b	2.30	56.22
368	t	1.79	56.73
	b	2.62	55.90

412 - t	1.84	56.68
412 - "C" bottom	2.14	56.38
412 - "1" "	2.27	56.25
412 - "2" "	2.18	56.34
412 - "3" "	2.16	56.36

414 t	1.74	56.78
- "1" bot	2.21	56.31
- "2" bot "pm"	2.28	56.24
- "3" bot	2.10	56.42

427 top	1.67	56.85
427A bot	2.42	56.10
427"1" bot	2.32	56.20

~~cellar~~

S227E278	1.39	57.13
E276	1.38	57.14

cellar

top of stairs	2.17	56.35
S221E277	2.73	55.79
cellar floor	3.48	55.04

IB area

523 t	2.13	56.39
b	2.69	55.83
235A b	2.43	56.09
485 t	2.05	56.47
b	2.60	55.92
508 t	2.02	56.50
b	2.13	56.39

10/29/87

Area XI

S250 E330 – S250E345

S270 E330 – S270E345

Area V

S235E320 – S235 E295

S255E320 S255 E295

25

20

10/30/87

Area XI elevations 55.52

BS to 4 trees 1.67

57.19

S250 E330	1.00	56.19
S252	1.13	56.06
S254	1.35	55.84
S256	1.48	55.71
S258	1.62	55.57
approx S260	1.70	55.49
S262	1.83	55.36
S264	1.97	55.22
2868	2.14	55.05
S268	2.44	54.78
S270	2.68	54.51
S270E334	3.39	53.80
S268	3.07	54.12
S266	2.53	54.66
S264	2.25	54.94
S262	2.04	55.15
S260	1.85	55.34
S258	1.64	55.55
S256	1.43	55.76
S254	1.30	55.89
S252	1.24	55.95
S250	1.15	56.04

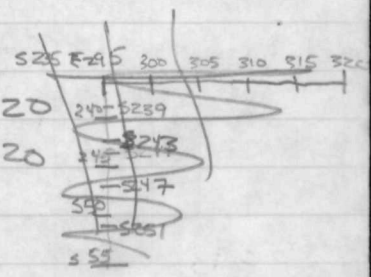
S250	E336	1.14	56.05
	E338	1.33	55.86
S254	E338	1.47	55.72
S258		1.85	55.34
S262		2.51	54.68
S266		2.83	54.36
S270		3.05	54.14
S268	E342	2.66	54.53
opp S266		2.45	54.74
S264		2.16	55.03
S262		2.17	55.02
S260		2.13	55.06
S258		2.15	55.04
S256		2.09	55.10
S254		1.94	55.25
S250		1.68	55.51
S250	E344	1.70	55.49
S250	E346	1.65	55.54
S252		1.59	55.60
S254		1.60	55.59
S256		1.67	55.52
S258		1.79	55.40
S260		1.90	55.29
S262		2.10	55.09
S264		2.17	55.02
S266		2.30	54.89
S268		2.37	54.82
S270		2.44	54.75

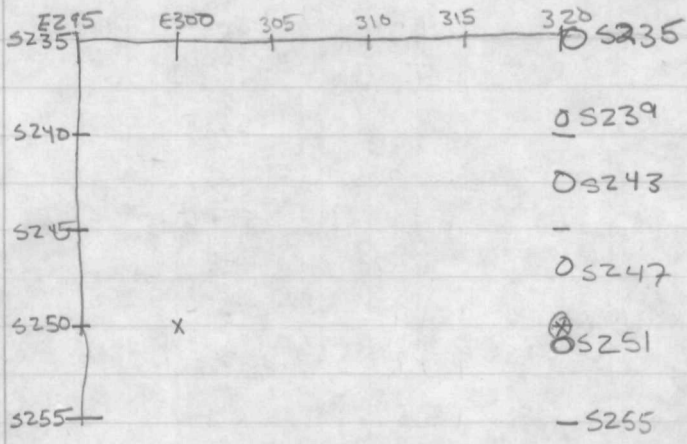
11/2/87

layout area X

S235 E295 — S235E320

S255 E295 — S255E320





Elevation Area X

Osage orang 57.50+1.00

			58.50
S255	E300	1.73	56.77
S	E304	1.77	56.73
	E308	1.81	56.69
	E312	2.12	56.38
	E316	2.37	56.13
	E320	2.42	56.08
S251	E320	2.21	56.29
	E316	2.15	56.35
	E312	2.12	56.38
	E308	1.75	56.75
	E304	1.69	56.90
	E300	1.60	56.90

S247	E300	1.60	56.9
	E304	1.64	56.86
	E308	1.75	56.75
	E312	1.91	56.59
	E316	1.88	56.62
	E320	1.94	56.56
S243	E320	1.81	56.69
	E316	1.79	56.71
	E312	1.76	56.74
	E308	1.66	56.84
	E304	1.55	56.95
	E300	1.49	57.01
S239	E296	1.49	57.01
S243		1.49	57.01
S247		1.55	56.95
S251		1.57	56.93
S255		tree	
S239	E300		
	E304	1.44	57.06
	E308	1.60	56.90
	E312	1.74	56.76
	E316	1.70	56.80
	E320	1.85	56.65

area 7

BS to Back tree 1.44 — 55.81 + 1.44 = 57.25

57.25 − 1.26 = 99

S278	E205	1.46	55.7 ~~top~~ of stake
"	"	1.60	55.65 ground surface
S280	E195	1.99	55.26
S268	E207	1.26	55.99

Area 4A

elevations			55.81
BS to Beech Tree			1.47
			57.28
S252 E220 SE		0.85	56.43
S250 E220		0.72	56.56
S250 E218		back dirt	
S252 E218 SW		1.16	56.12
SW corner S245.5 E225		0.68	56.60
S243.5 E225		0.71	56.57
S243.5 E227		0.69	56.59
SE S240 E304		1.19	56.09
NE S238 E304		1.16	56.12
NW S238 E302		1.18	56.10
SW S240 E302		1.17	56.11

S266 E305
25
S240 E304

need to shoot Area IX true datum 52.14

BS to datum		2.10	54.24
S300 E171		1.63	52.61
S302 E181		.78	53.46
S302 E183			
S304 E175		1.30	52.94
S308 E165		2.19	52.05
S308 E175		1.49	52.75
S311 E165			
S312 E175		1.72	52.52
S321 E173			
S320 E171		2.37	51.87
Top of Hub S325 E173			
S324 E171		2.76	51.48

11/16/87 tying in elevations for profiles

BS to Beech tree 0.77
Shot to Arbitrary pt "A" > 3.68
in area 8

BS to "A" pt 1.08

shot to datum line > 3.80
eastern 1/2 E/W trench

shot Arbitrary "B" (stump) - 2.79
refers to western part E/W trench

~~cemetary trenches~~
↑N

~~5250~~

West wall profile for
Area V's

56.69
BS to V B tree 1.77 ~~5260~~
datum line 1.33

56.69
+ 1.77
58.46

58.46
-1.33
57.13

Datum 2 56.86
BS to Datum 2 1.71 58.57
top of stake 5241 E245 1.08 57.49 M/ASL

56.86
+1.71
58.57

58.57
-1.08
57.49