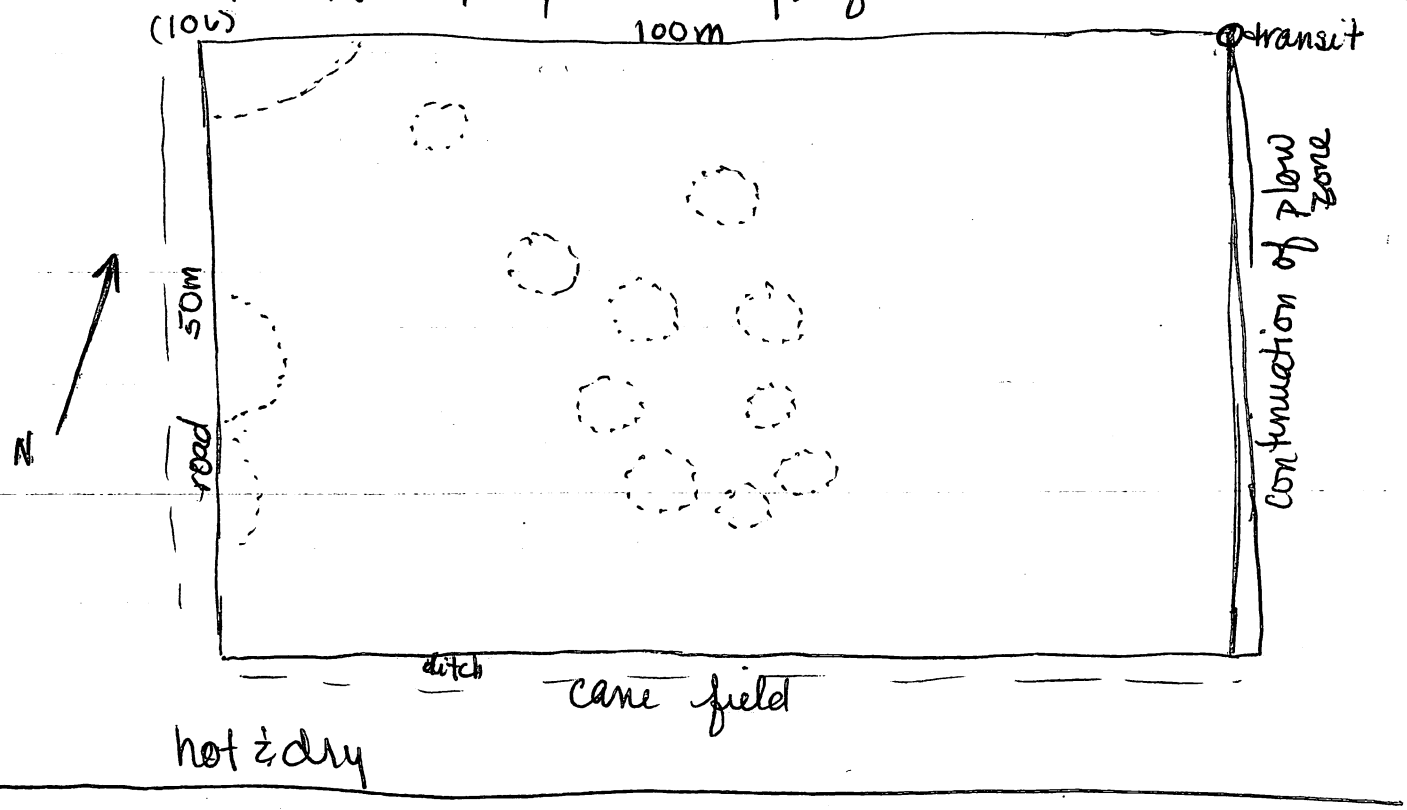
1988

PVN-013-True-Field Notes-1988

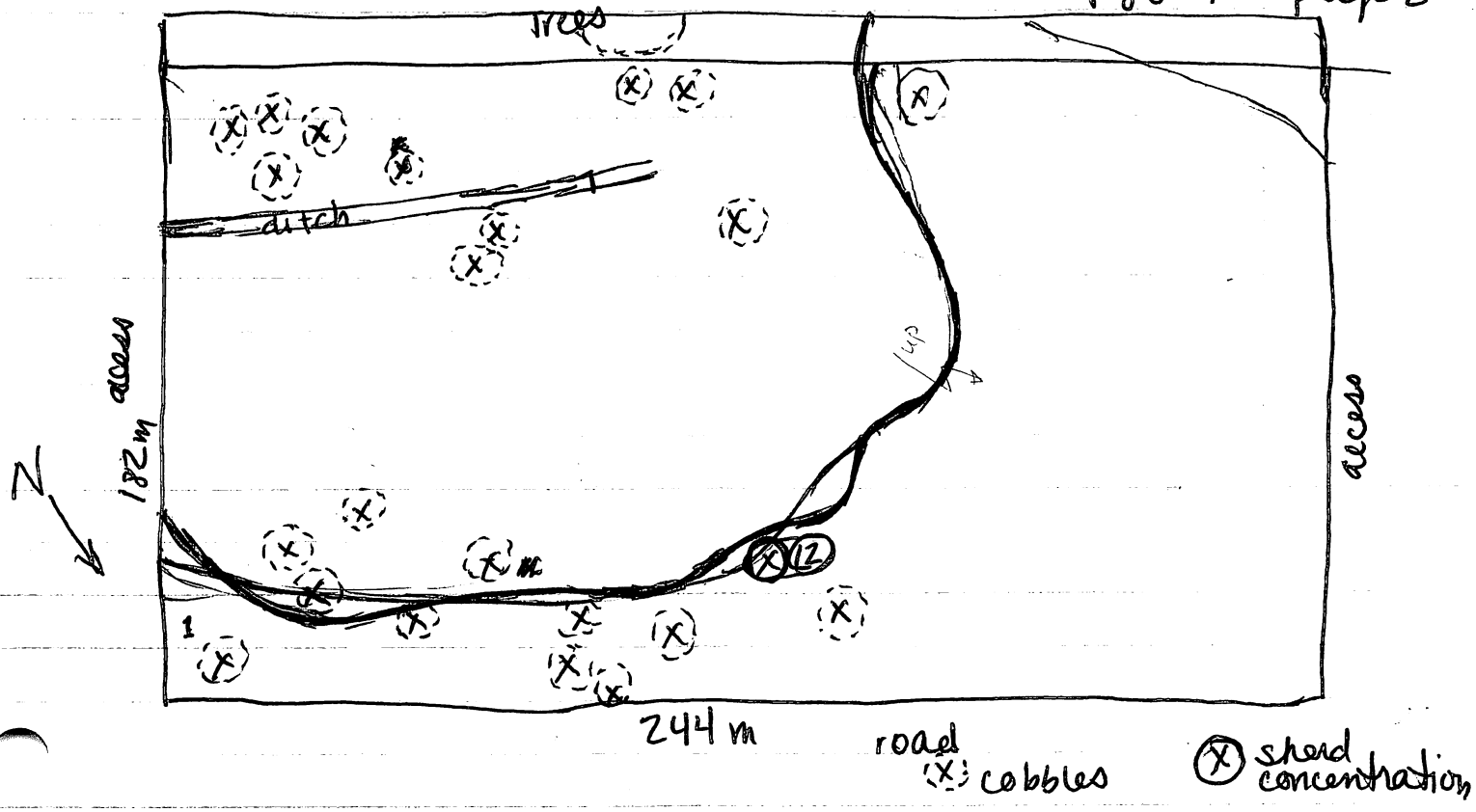
Lavinia True
Kenyon College

2/2 site 232 A/1
Survey and surface collection of heavily plowed field to South of site 106. Area in 6-12" sugar cane, recently plowed after burning. Several very disturbed structures at extreme West of field (near road) and near center. Very few sherds or other artifacts, only scatterings of river cobbles. 50m X 100m



Site 237
2/3/88 Walked field 250-300m W of 106. Under recently plowed and burned sugar cane. 15cm-30cm new growth. Heavily disturbed, plowed w/ irrigation ditches. Possible structures along ridge running E to W through field. Large river stones along ditch in low ground. N side of field bounded by road. E and W sides bounded by access roads. S side bounded by fence and wooded area above river Naco.
182 x 244

P88-13-page 2



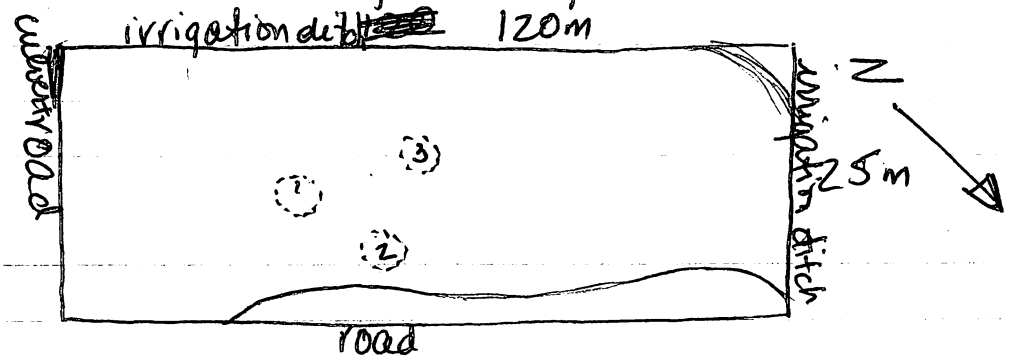
Weather conditions: hot & sunny

Structure	distance (m)	Angle °	diameter (m) ~~circumference~~
1	38.41	153°	8.5 m
2	37.34	170°	4 m
3	45.23	179°	4 m
4	42.45	192°	4 m
5	12.2	189°	4.5 m
6	21.77	246°	6 m
7	28.35	303°	4 m
8	22.87	323°	3 m
9	27.67	333°	2 m
10	58.5 approx	319°	4 m
11	41.50	301°	3 m
12 (shards)	64.8 approx	307°	

230°

Site 235

Rectangular 25 X 120 m. Road on N, culvert on S, road on E, culvert on W. 3 structures near center of rectangle. Loose sandy soil, heavily disturbed by plowing. 20 cm sugar cane. Some irrigation initiated during survey.



structure	distance (m)	Angle	E/W axis diameter (m)	N/S diameter (m)
1	47.4	328°	4 m	2 m
2	61.6	330°	6 m	4 m
3	68.7	325°	6 m	6 m

Weather condition - hot, sunny, getting hotter

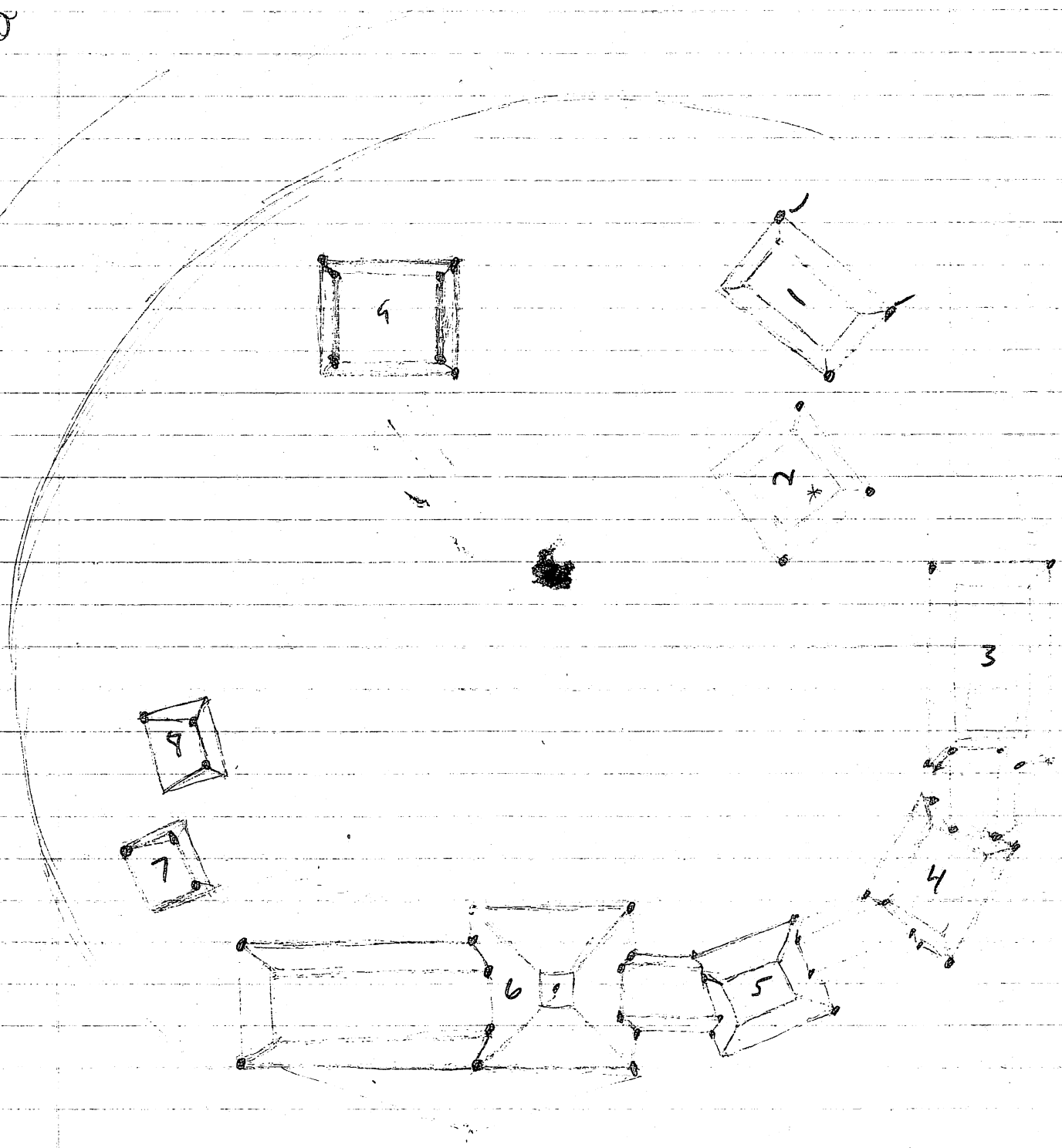
1	[illegible]	[illegible]	[illegible]	[illegible]
2	[illegible]	330°	[illegible]	[illegible]
3	[illegible]	345°	[illegible]	[illegible]

La Sierra Group G

wall lines

Feb. 4, 1988

sketch map

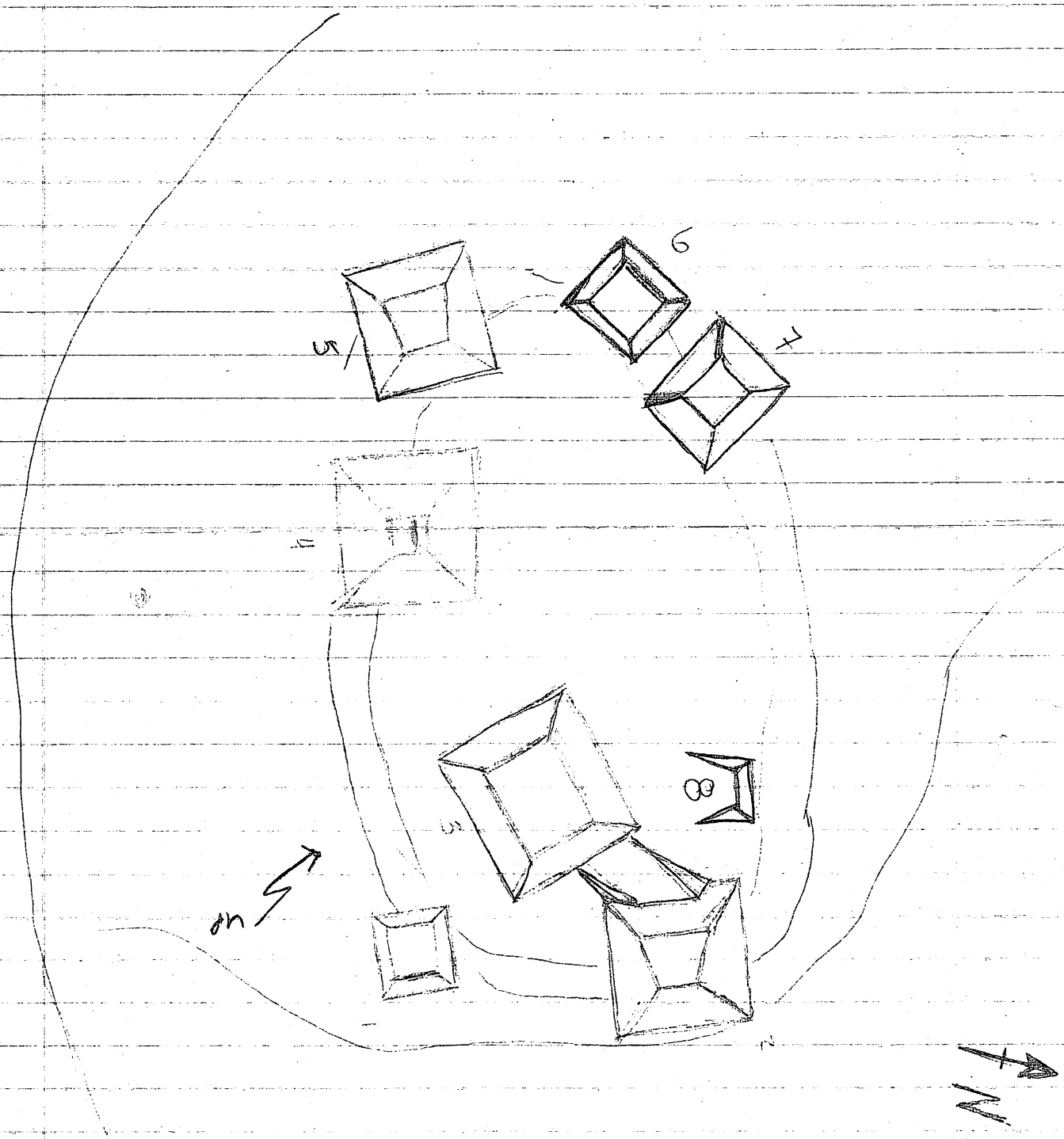


2/8/88 Group D - Measurements (Brunton compass)

structure		Angle°	Distance (m)	
Fence post tie in		172°	59.67	
Str 1	SE	51°	24.56	
(corners)	NE	44°	25.53	
	SW	47°	23.0	
Str 2	SE	40°	32.41	
	SW	32°	26.95	
	NW	26°	29.67	
Str 3	SE	35°	24.53	
	NW	21°	21.02	
	SW	36°	20.54	
Str 4	NE	14°	19.69	
	SE	15°	15.12	
	SW	351°	16.56	
Str. 5	SW	328°	16.70	
	NW	326°	24.24	- light rain
	NE	342°	24.44	begins to fall
Str. 6	NW	336°	30.15	
	NE	342°	31.94	
	SE	347°	25.61	
Str. 7	SW	349°	28.61	
	NW	347°	32.30	
	SE	1°	33.34	
Str. 8	NE	23°	31.55	
	NW	19°	28.70	
	SE	24°	30.92	
connector 2-3	NE	24°	28.11	
	NW	22°	26.45	
	SW	34°	24.02	

?

sketch group D 8 structures



ground cover
topographic loc.
nearest water
relative to other mnd groups
sign of looting
construction
elevations of structures

2/8/85 Group G - La Sierra

Group G is in a cow/horse pasture with very deep grass (1m) all over it. It is north of groups E&F and NE of D. 25m N of the group is a quebrada running E-W toward the Chimelicon. There was a lot of rain overnight and periodic light showers during the day so the grass was extremely wet. The day remained cloudy and overcast. The group consists of 5 fairly large mounds in a rough semicircle with the open toward the NE. Mound 1 is covered in large treelike cactus plants about 5m high, so may be disturbed by roots. It is ≈ 1m high w/a projection on the N. Mound 2 is connected on the W side of #1 and is much smaller. #3 is NW of #2 and is 1.5-2m high. It has a large looters pit on the SW side. #4 & 5 are connected on a N/S axis. All the mounds except #1 are in 1m grass and other scrub. They are constructed of river cobbles about 15-30 cm across. During the mapping of the site it was raining

P88-13-6

2/12/88 Trench on Structure 65 - 13 A

[redacted] W side, from top down center of possible Staircase

possible midden at bottom, in lots 3, 4, 6, 7

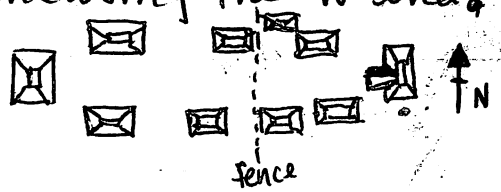
pit at base dug to 80 cm 1x1 m

1x1 m square dug to south adjoining:

- in both pits 40-60 cm level seems to contain a midden - large quantities of sherds, bajareque, some obsidian blades (well worn)
- in 60-80 cm level of N pit a complete [redacted] censer handle was found in two parts NE corner of pit

started to rain at lunch, continued intermittently

Structure 65 W Face looks over a small plaza running E-W. The plaza has three smaller structures (1 → 1.5 m) on the south side, two on the North side and 3 large ones enclosing the W end. St. 65 is at the E.



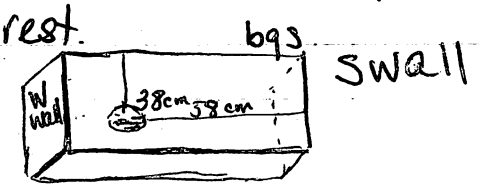
South wall of S. extension had a small concentration of polychrome sherds that the workers started to pull out so it was decided to remove the rest.

measurements

from BGS 38cm - 40cm

from SW corner 58-71 cm

depth into wall - 100cm



sherds were jumbled and overlying each other as if already broken before burial.

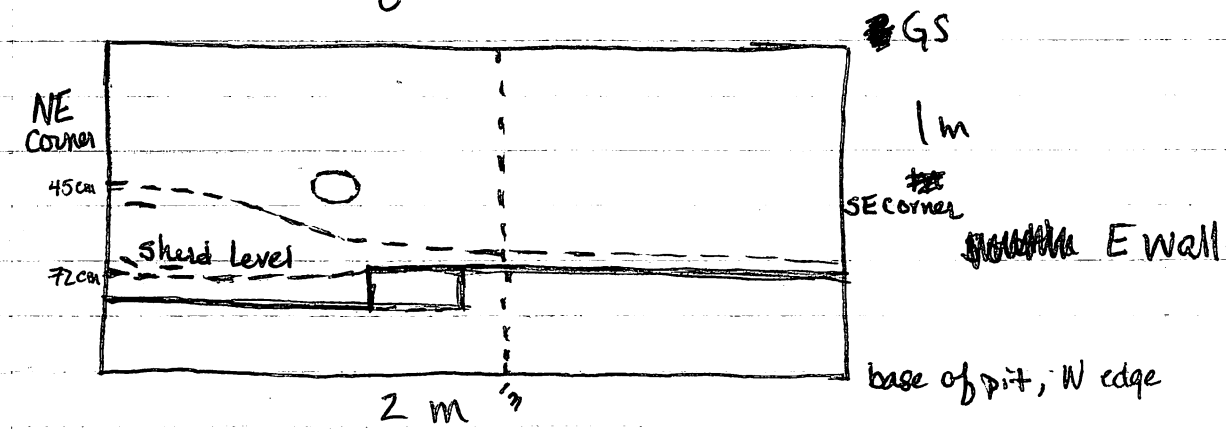
2/19/88 11B- cut back in slices to N ~~from~~ to basal wall line

16A- clear dirt to top

13A - move in toward mound 1m, go down 20 cm (square 1x1m, 2-3m E of orig. pit on N)

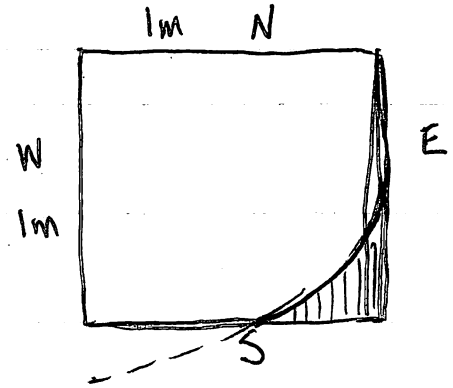
14C- 20cm down at N end, work up

13A- E wall of trench



sherd level starts 45 cm BGS
sherd level ends 72 cm BGS

rock 33cm → 42 cm BGS
sherds end 50 cm South of NE corner



floor of pit 1x1 m
1→2 m E of orig. pit

P88-13-8

16A- clearing to top of mound from terrace wall, very tumbled, second wall about 1/2 way, top cleared very few sherds in any lot though more on top

11B - cut down to 80cm between 1→2 m square N of origin; begin to work N to wall line at 4m to find basal wall, many large stones (30cm) probably out of place, cut down to 80cm level by 20cm increments N, good wall line

14C/3 - soil becomes sandier at 40 cm level in orig. square, no rocks, less clay; /4,5 wall line becomes visible

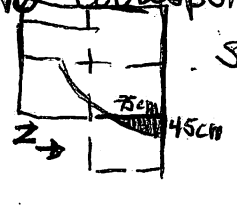
13A - cutting down from 20 cm at NE corner to 40 cm lot 23 - 20-40cm BGS in 1x1 m square 2→3 m west of orig. square

11D/1 - new trench, off E side of apparent platform, purpose to define edge of platform, original wall on E, 5.5 m in length, 1 m wide
1st square 1x1 m 0→1m to west
lot 1 - 0-20cm BGS

14C/6 - East extension of trench along north wall of structure. Lot will go 0-90 cm BGS in order to clear wall

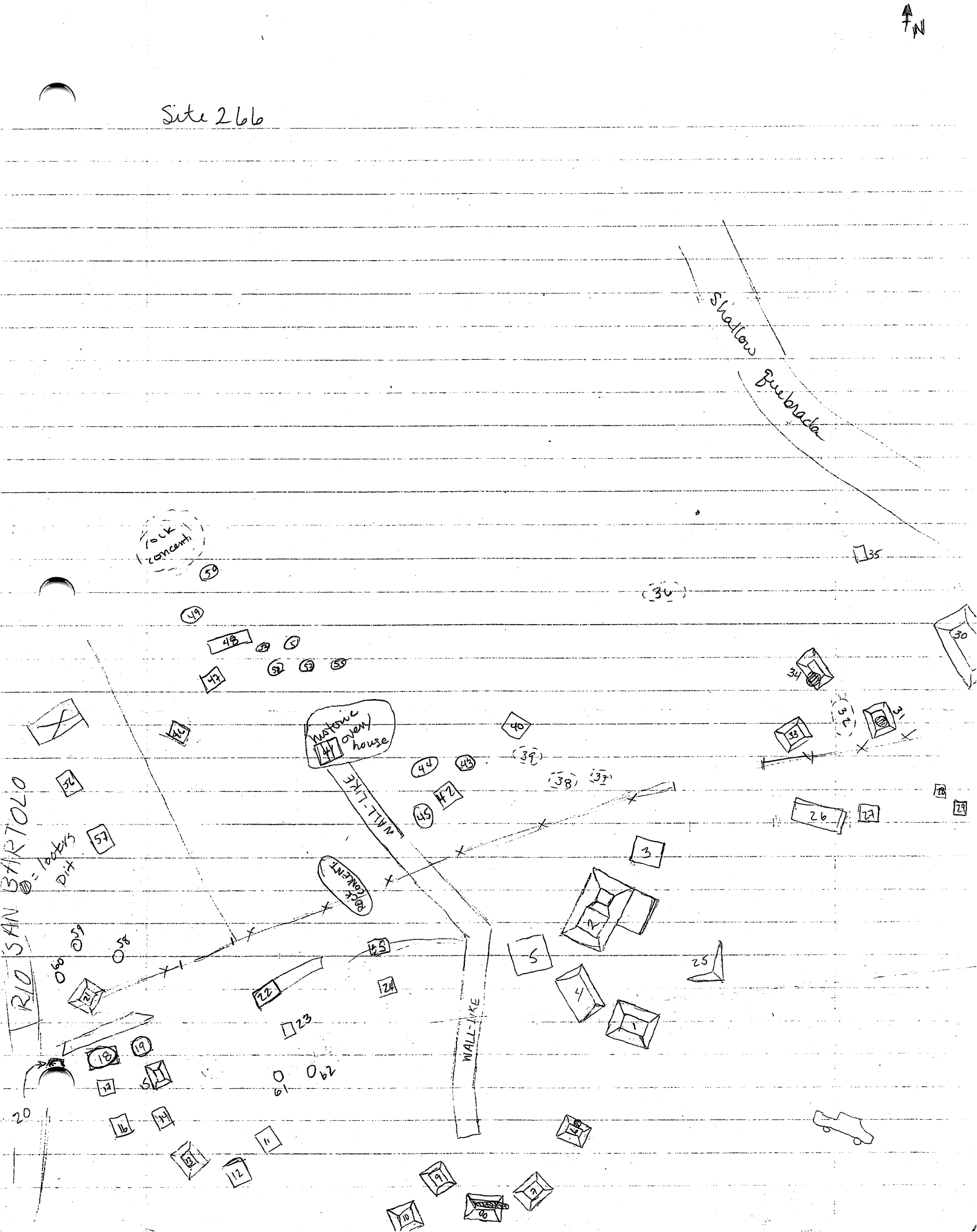
11D/2 - 20-40 cm BGS, no soil Δ from 11D/1

13A/25 - lot to correspond to circle from pit to W



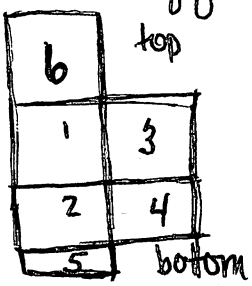
. sherd layer above circle outline 10cm deep, 45cm - 55cm at NW stake of pit

Site 266


N
Shallow Quebrada
rock concentr.
historic oven house
WALL-LIKE
body concent.
RIO SAN BARTOLO
= looters pit
WALL-LIKE

2/23/88 Walked perimeter of Senseri farm to south of La Sierra Main Group. Were shown La Sierra 5 (Group W) by René, the worker showing the combined survey crews around. Group W consists of a very large, almost completely manmade, platform with 7-8 mounds on the top edges. The largest (5-6 m) is on the N edge of the platform. There are 8 smaller structures running in an almost straight NW-SE line on the SE side of the platform, beginning about 30m south. The small structures are in 1m high grass and yellow weeds and run roughly parallel to the edge of what may have been the bank of the Chamelicon at one time. The Chamelicon now runs about [redacted] 1/2 km to the SE of there. The small structures have been disturbed by plowing but the main platform has been left relatively untouched. Walking the fields to the N and W of the platform did not reveal the presence of any structures in the[redacted] directions.

Before lunch we were shown an eroding wall to the South of the main site, just on the S side of the access road to the southern portions of the farm. The bank is about 10 m in height. It almost looks like it could be an extension of the Wall on the N side of the road. After lunch we returned here to do a surface collection of the material being washed out, before it fell into the water filled quebrada at the base. The wall we collected was to the west of the dugout canoe that was half-sunk at the edge. The wall we were working on we gridded off into squares 5x5m for easier collection.



Survey group: Matt, Dave, Chris, Rich, Nancy, Patricia

P88-13-10

2/24/88 Continued to surface collect wall s of main group at La Sierra, above the quebrada. Using the same grid we (Rich, Dave, Nancy, me) continued to collect those same squares. We were cut short by rain in the morning, after only collecting for 1½ hr. 10L Obsidian arrowhead found yesterday, assigned to lot 6 is considered to be of questionable provenience by several of us. It was produced by Rich after a prolonged absence out of our range of [redacted] sight.

2/26/88 Group Y

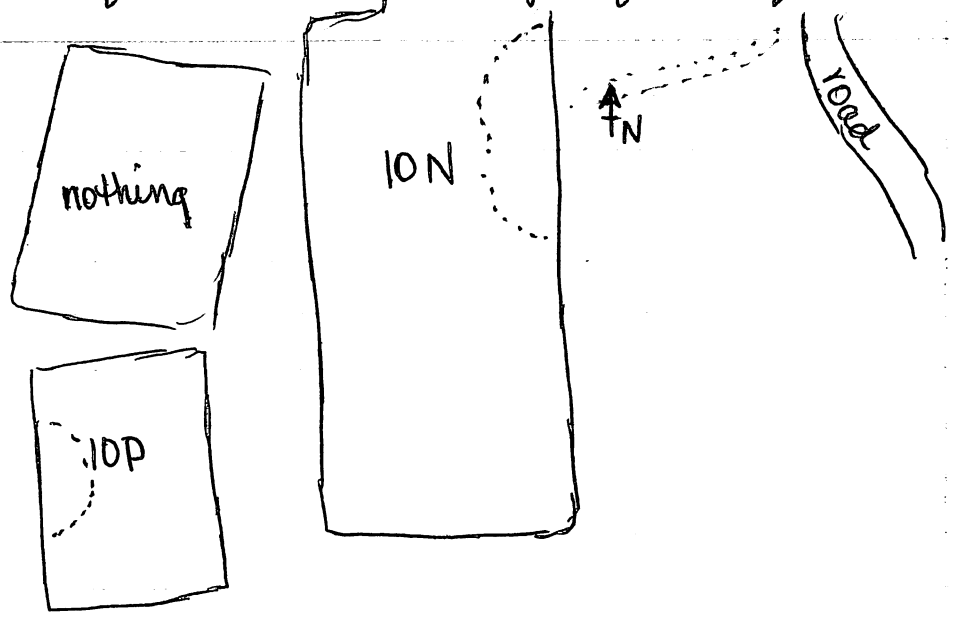
Measurements tr. height 1565

Pt.			Middle	bottom	Top	
scope ∡ 5°	tie in	317° 00'	2635	2280	2998	71.8
#7	A 1	105° —	2416	2078	2746	66.8
	B 2	98° 48'	2496	2162	2825	66.3
	C 3	105° 55'	2266	1898	2639	74.1
#2	A 4	111° 55'	2237	1865	2604	72.9
	B 5	114° 36'	2334	1973	2702	72.9
	C 6	116° 29'	2520	2176	2865	68.9
#3	A 7	104° 54'	1874	1485	2363	87.8
#	7	92° 50'	~~2198~~	~~1777~~	~~2621~~	84.4
#4	A 9	102° 45'	2467	1930	3010	108.0
	B 10	102° 45'	2390	1819	2962	114.3
	C 11	99° 12'	2320	1745	2899	115.4
#5	A 12	98° 47'	~~2557~~ 2478	2061	3297	123.6
	B 13	93° 35'	2456	1843	3072	122.9
scope ∡ 25'	C 14	92° 45°	3314	2630	4000	137.0
#6	A 15	93° 34'	2585	2057	3313	105.6
	B 16	88° 05'	2557	2008	3105	109.7
	C 17	87° 30'	2362	1854	2874	102.0

All structures except 5 are 0.5 m height #5 is 1 m.

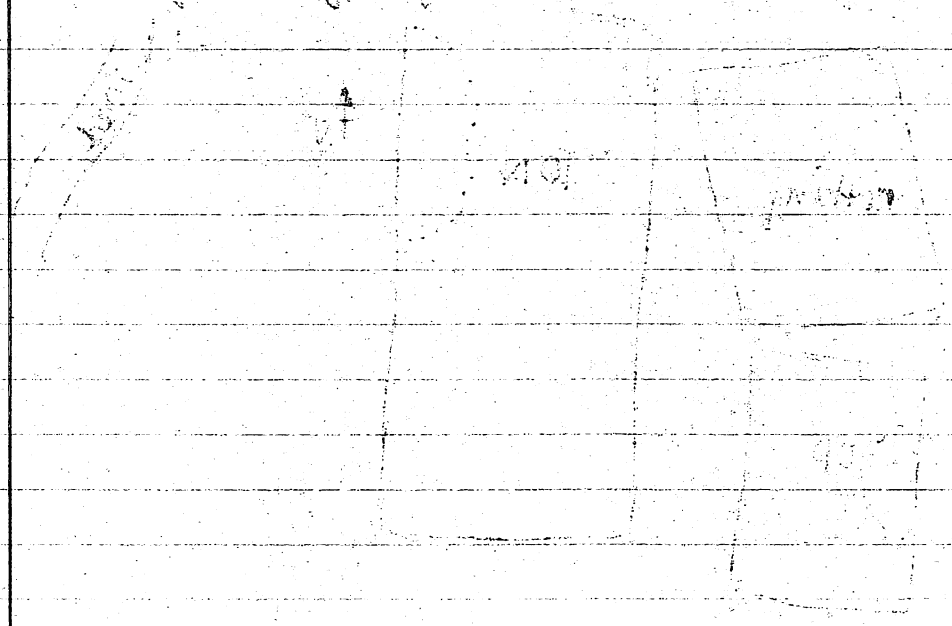
2/26/88 Morning - Matt, Chris, Dave & I went to La Sierra 5 (Group W) in order to do the mapping. Chris read the transit, Matt recorded, Dave & I ran the stadia rods. The 9 structures to the SE were also mapped in and a contour of the old river bank was taken in order to draw a contour on the map.

Afternoon - After lunch the same four went back to the area of surface collection 10N. To the W & NW were two more recently plowed fields, with thin belts of trees separating them. The NW field yielded no sherds. The W field yielded a few sherds of very crude quality, mainly from an area on the middle of the western edge of the field.



The lot was originally labelled 1ØO lot 1 but Nancy, Rich, Lisa and René also labelled the road cut on the south side of the main group, N of Lot L 1ØO This one is easier to change because there is only one bag so 1ØO Lot 1 excavators 13, 18 is 10P.

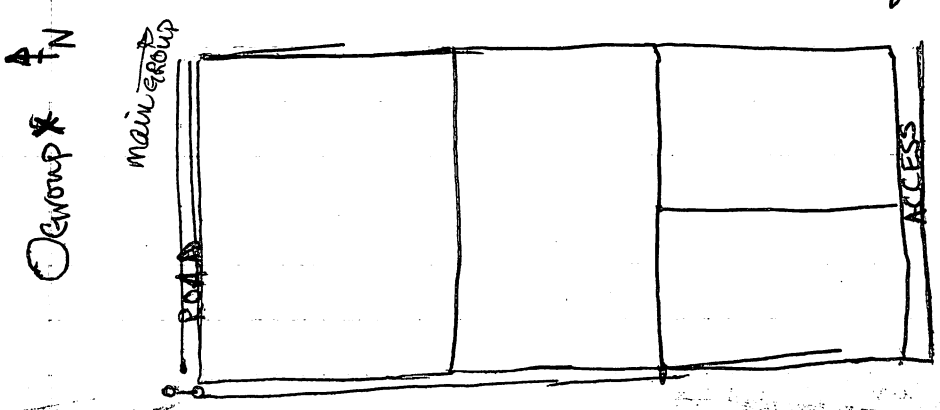
[illegible]



P88-13-13

2/26/88 From 10P we then moved on to map group Y. Group Y is located ESE of La Sierra 5 (Group W) about 400m. The two sites use the same tie in point on the ~~main~~ road. Y is on the flood plain ≈200m from the road, down the old river bank or other steep slope. It is on the far side of a cow pasture, with structure 5 being bisected by a fence. The grass and other scrub ~~[illegible]~~ varying from 15cm to 50cm but not very thick. The air was a little hazy and toward the time we finished shooting the points it began to rain a little. The structures were all approx. 50cm in height except for #5, which is 1m high.

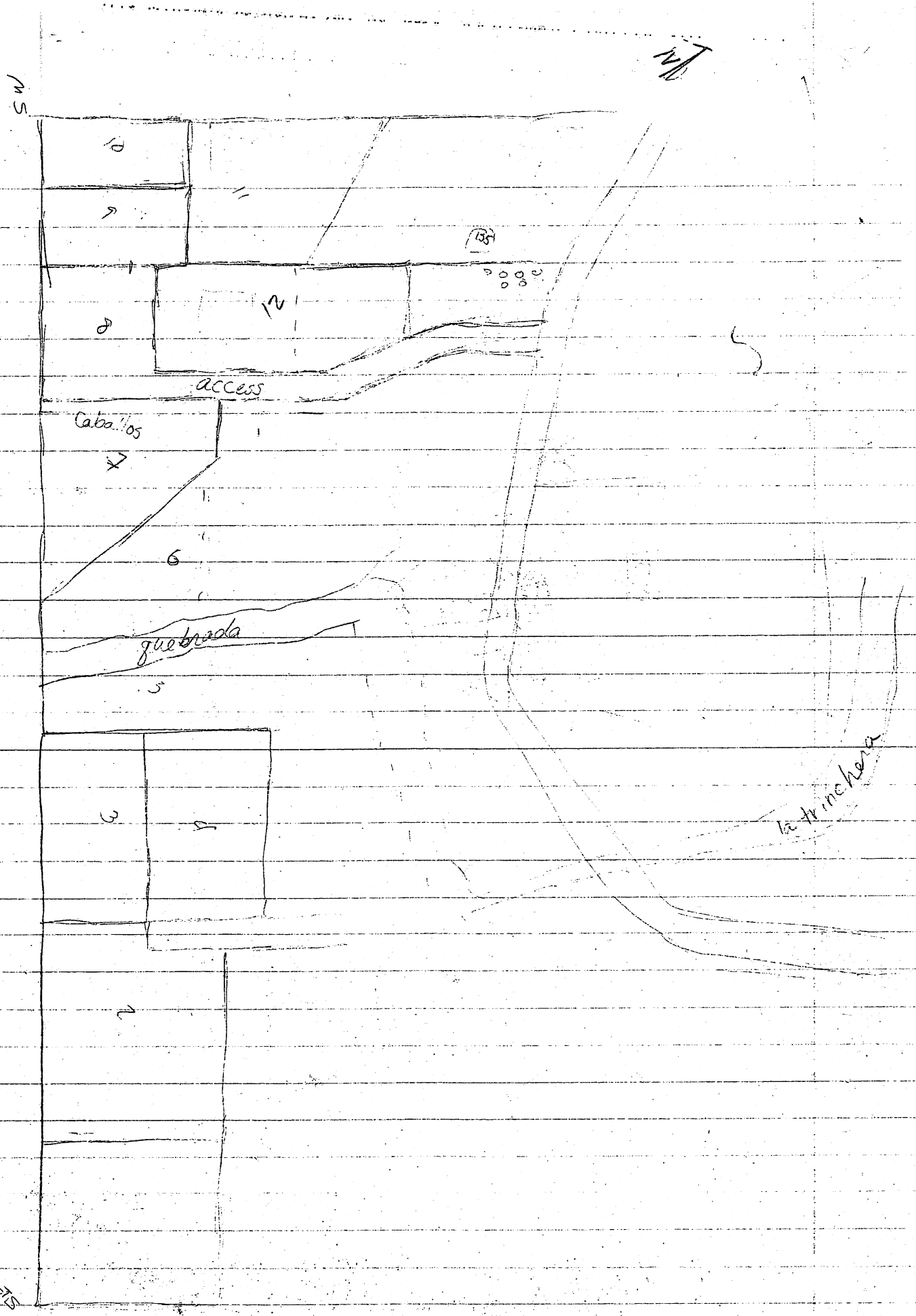
for 2/25/88 Spent early part of the day in the lab. Went out to La Sierra about mid-morning after the rain stopped. Group X was found just to the N of the road as it enters Sinserri's farm on the West. To the S of the road is a series of 4 fields that were surveyed by Lisa, Matt, David, & I, right on the West boundary of the farm. All the fields were in grass and other tall weeds up to 2m in height with occasional trees. Due to the rain earlier that morning the grass was very wet. Nothing was found. We went as far as an access road to the south before turning back.

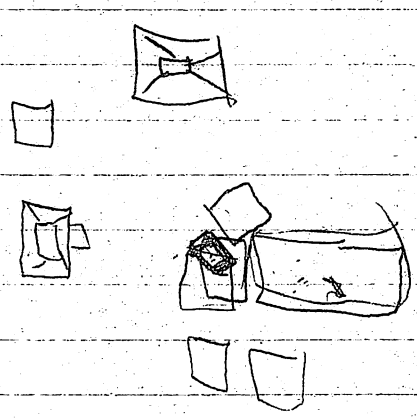


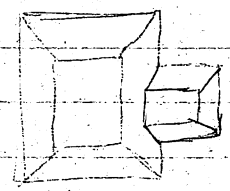
After lunch Chris, Lisa, Rich & I collected 10N located just to the E of ~~[illegible]~~ 10P discussed above.

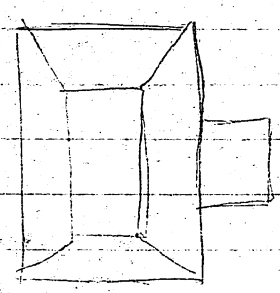
3/1/88 Survey Crew - Lisa, Matt, me, René
Began at SE corner of Sinserri farm, worked across farm along fields just along the boundary. Working to NW we covered 12 fields, ending at La Sierra 5. The first field, just along the banks of the Chamelicon had an old river bank going thru it so there were a lot of loose cobbles in the field, but no structures. This field and all the ones up to the quebrada (NW) 4 fields over were covered in baked 50 cm scrub grass and weeds and no structures of any sort. Just to the NW of the quebrada the field becomes covered in a tall thorny scrub that continues into the next field. The next two fields are almost due south of La Sierra 5, and are covered in short grass & weeds again. Again, no structures were encountered in any of these fields. These last 2 are also accessible by an access that comes out on the road just below L.S. 5/Group W.

After lunch, mudbath and wash we looked at the fields S along the road back from the river. Group Z was found just N of the quebrada that cuts the road at the turn in it. See P88-11- for map.


N
S
access
Caballos
quebrada
la trinchera







P88-13-15

3/7/88 Group AD

Group AD consists of 5, maybe 6, structures just off the road through Sinserri's farm. The road runs straight thru the middle of the cluster, over the W edges of two of the mounds. A fence also runs parallel to the road thru the group. The mounds were cleared by Renée before we drew the sketch map and transited it in. Str. 4 was behind a tree so could not be shot in from the original transit pt.

Measurements — instrument lat. 1474

	pt.	∡°	Middle	bottom	top	Distance
str. 1	A	359°25'	1852	1547	2156	60.9
	B	7°	2881	2578	3187	60.9
	C	9°17'	1902	1660	2145	48.5
	D summit	3°29'	1093	1819	2372	~~(55.3)~~ height 48.5
	E	8°20'	1674	1416	1932	51.6
	F	8°28'	1814	1570	2059	48.9
	G	1°56'	1721	1478	1966	48.8
	H elevation	3°34'	1517	1269	1773	~~(504)~~ height 76.1 41.3
str. 2	A	6°22'	1830	1615	2243	~~62.8~~ 43.0
	B	359°47'	1738	1528	1952	42.8
	C	359°18'	1798	1607	1986	37.9
str. 3	A	17°51'	3465	3089	3848	75.9
	B	15°40'	2782	2473	3095	62.2
	C	12°16'	3544	3178	3914	73.6
	D summit	11°45'	2240	1895	2586	~~(69.1)~~ height 126.1 height front 57.7
str. 4	Trees					
str 5	A	36°5'	2329	2084	2573	48.9
	B	31°10'	2321	2100	2546	44.6
	C	35°21'	2013	1808	2216	40.7
	D summit	35°47'	1898	1678	2116	~~(43.8)~~ back height 12.7 front height 11.5
		13°10'	2621	2313	2937	62.4

scope ∡ + 1.05'

2/7/88 Group AD, cont.

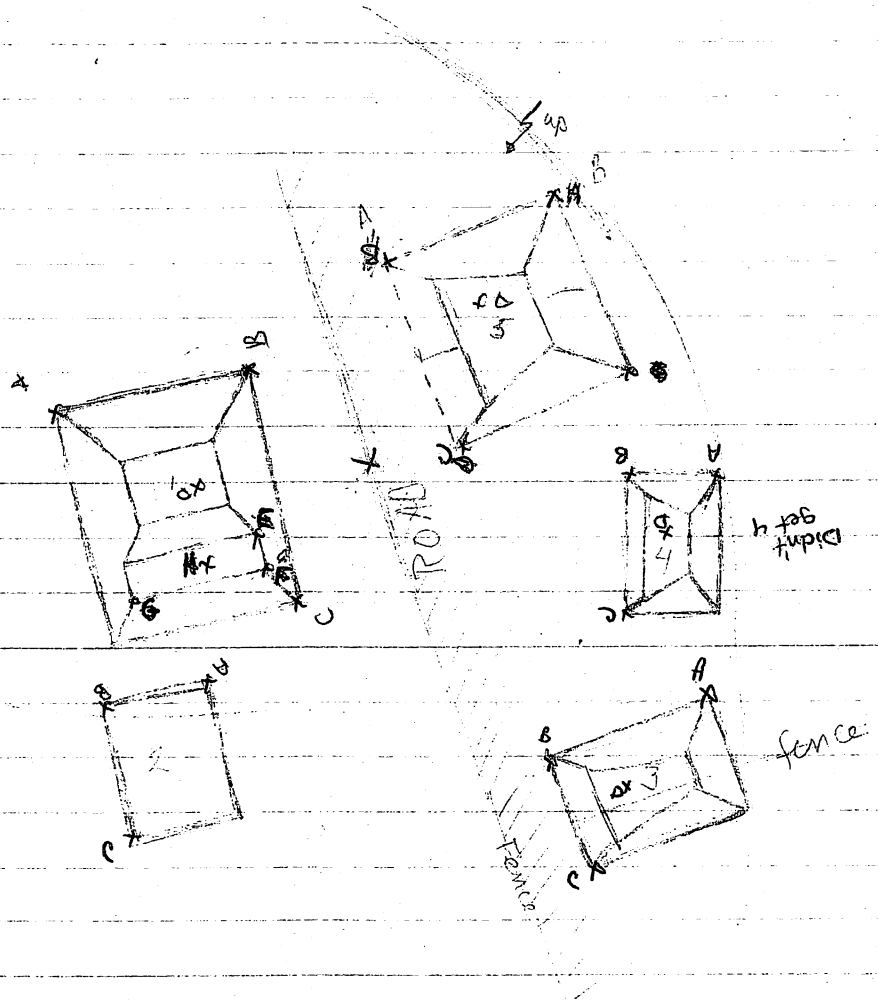
Group AD is located on the brink of a rise that drops down on to the upper floodplain and overlooks a quebrada 150–200 m to the E. The three eastern-most structures of the group, especially the middle one, are falling off the side of the hill. All the structures are built of river cobbles averaging ≈ 15-30 cm in diameter. There is an apparent cut block on the summit of structure 1. The structures are arranged in a rough circle with a gap toward Group W, which is located ≈ 200 m to the SW. A surface collection was taken, labeled 10R, Lot 1.

2/8/88 Group AD

tr. height 1523

Measurement		∡	Mid	bottom	Top	hor. ∡	distance
Str. 4	A	118°49'	1887	1734	2046	0	30.3
	B	111°40'	1922	1777	2069	0	29.2
	C	107°32'	2342	2175	2509	0	29.4
	D elev.	114°02'	1741			0	16.2 Front 60.1 back
tie in post (2)		129°02'	1561	1477	1645	0	13.5

Group AD.



P88-13-17

Survey crew - 8, 12, 13, 14, 15, 16

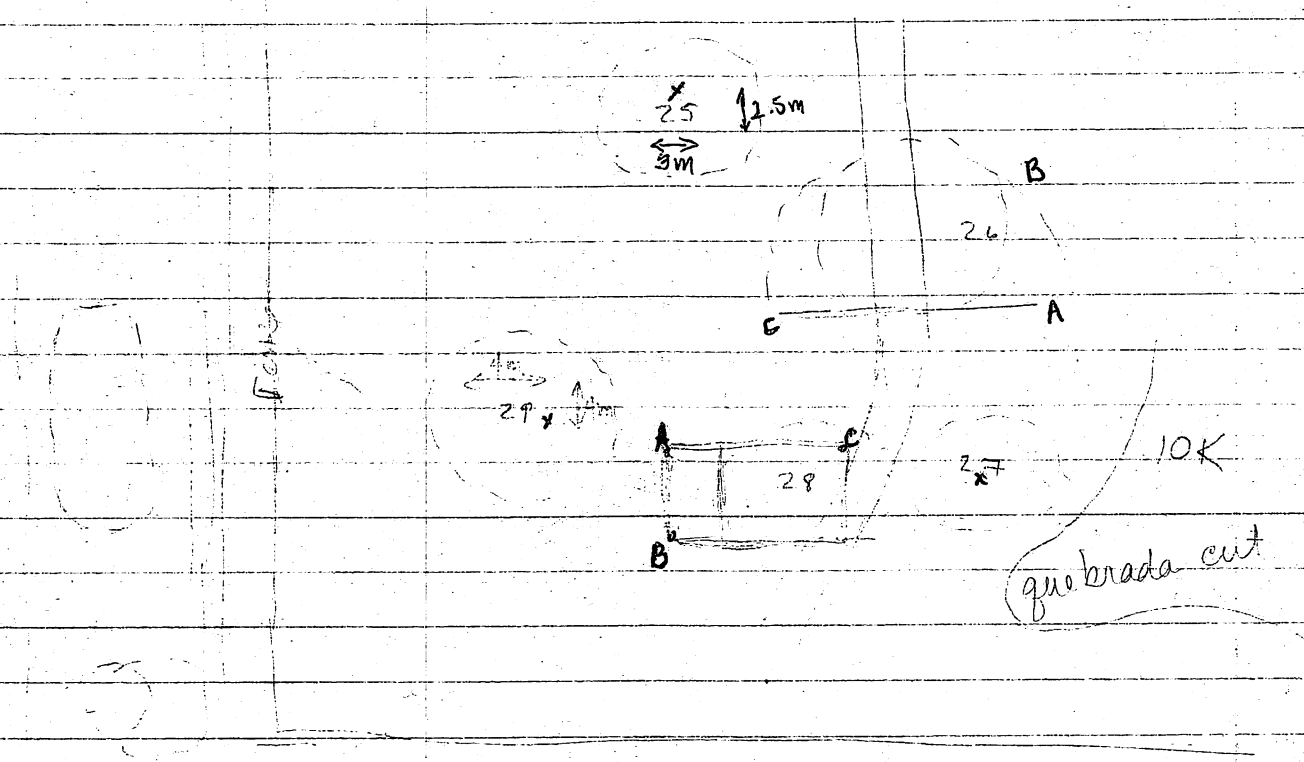
3/9/88 Began to survey the strip of fields that run E-W between collection fields 10N (on S) & 10A (on N). We already knew that Group AF was in the 3rd field to the West because it had been mapped on 3/8, but the fields from the road W had not been surveyed. The fields were all covered in knee-to-waist high grass and scrub, with occasional trees. The only result other than AF was one structure in the same field on the north edge. Then we turned to the N and surveyed the next strip of fields going east. A small group of 3 structures, tentatively called Group AI was found almost due west of the main site, across the field that has not yet been surveyed just N of the quebrada. Then I went off to go map Group V

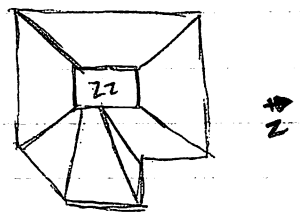
AI

N

Group V/La Sierra 2

3395
3400
6795
2) 6797.5
3297.5
3039.0
258.5


25
2.5m
3m
B
26
C
A
29
A
C
28
27
10K
B
quebrada cut


22
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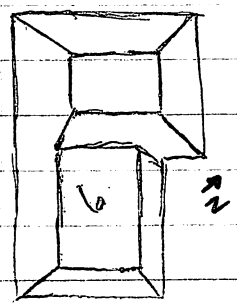
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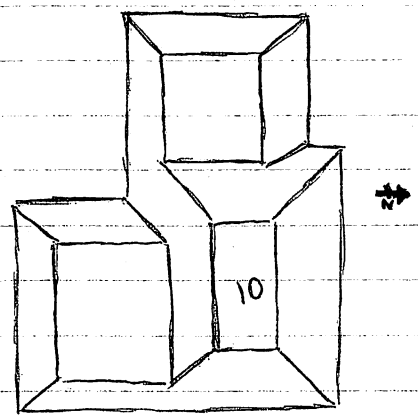
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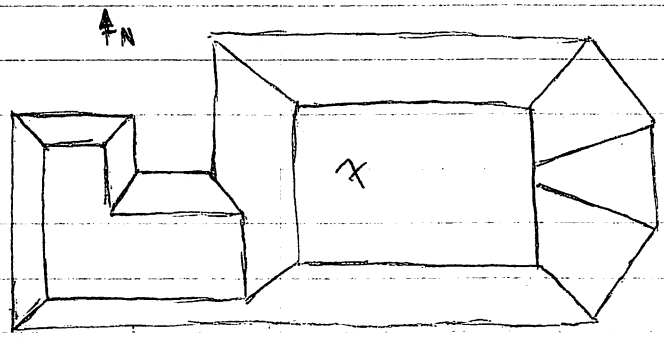
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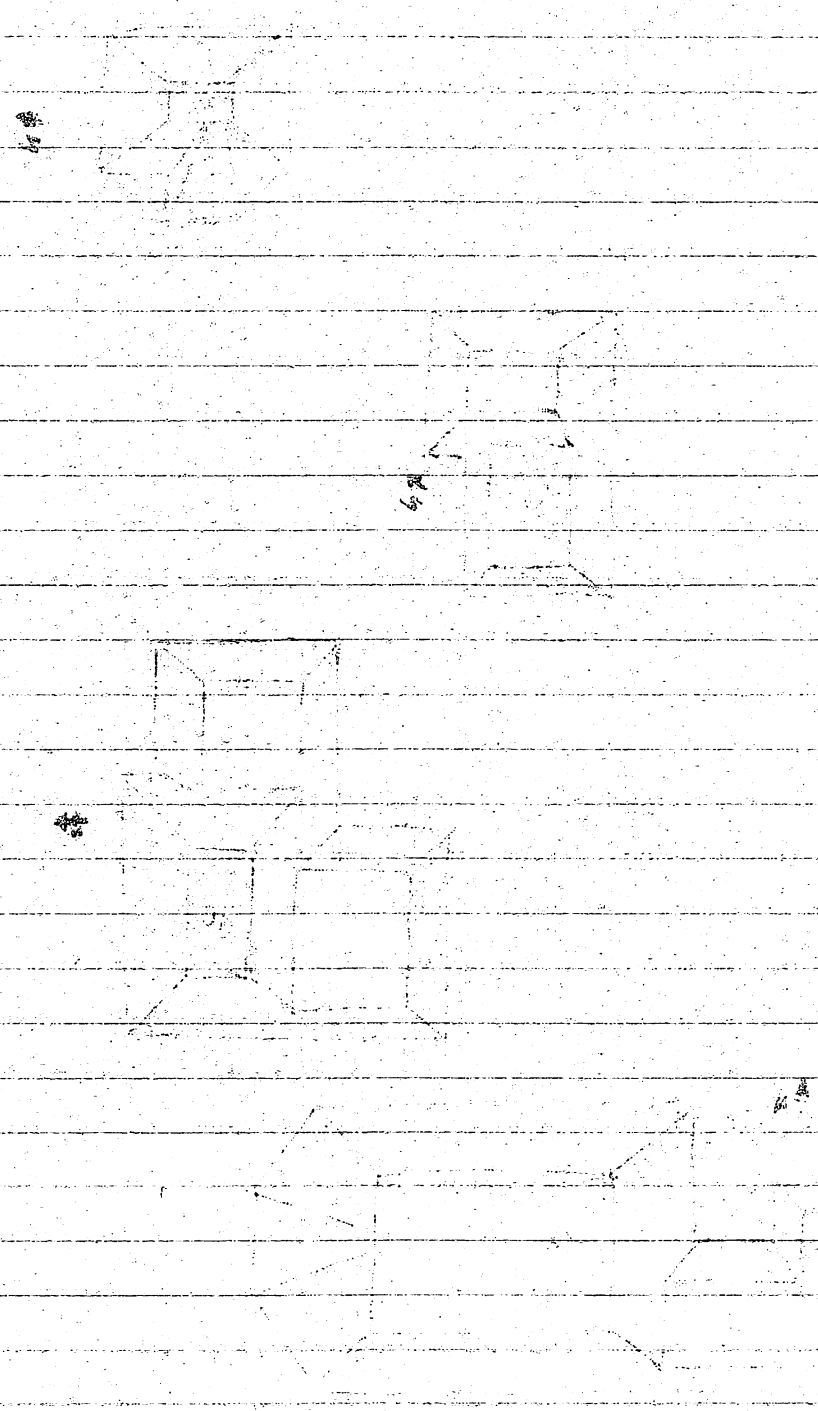

P88-13-18

Measurements - Group V

Pt.		vert ∡	horiz. ∡	Middle	bottom	top	Distance	
154cm	Ref Arbor		019° 31'					
	29	0°	180° 30'	3322	3030	3605	57.5	XZ = 115.0
	28 A	"	173° 15'	3642	3298	3980	68.2	A+B are Approx 3 m. Apart
	B	"	173° 10'	3675	3205	4060	85.5	148.0
	C	"	168° 00'	3655	3320	4002	68.2	136.4
	27	"	162° 20'	3500	3142	3867	72.5	XZ = 145.0
	26 A	"	163° 05'	3621	3335	3920	58.5	117.0
	B	"	162° 10	3502	3227	3778	55.1	110.2
	C	"	172° 20'	3482	3195	3777	58.2	116.4
	25	"	176° 15'	3275	3022	3537	51.5	103.0
	23 A	"	196° 20'	3582	3367	3777	41.0	82.0
	B	"	224° 05'	3185	3020	3362	34.2	68.4
	C	"	222° 30'	3150	3020	3282	26.2	52.4
	21 A	"	197° 25'	3302	3198	3422	22.4	44.8
	B	"	181° 20'	3396	3292	3500	20.8	41.6
	C	"	180° 05'	3572	3493	3649	15.6	31.2
	22 A	"	261° 20'	2940	2785	3098	31.3	62.6
	B	"	258° 00'	2964	2842	3085	24.3	48.6
	C	"	242° 15'	3109	2942	3285	34.3	68.6
	D	"	242° 10'	2979	2852	3097	24.5	49.0
	E	"	238° 15'	3032	2910	3160	25.0	50.0
	F	"	245° 15'	2799	2675	2922	24.5	49.0
	ELU	"		2905				99.3cm
	17 A	0°	273° 20'	2915	2770	3068	29.8	59.6
	B	-2° 15'	264° 15	1775	1612	1924	31.2	62.4
	~~C~~	~~0°~~		~~2330~~	~~2148~~			
	C	0°	304° 10	3029	2941	3118	17.7	35.4
	D	"	270° 30'	2900	2775	3029	25.4	50.8
	E	"	272° 00'	2996	2879	3105	22.6	45.2
	F		275° 00'	2850	2742	2962	22.0	44.0

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P88-13-19

MEASUREMENTS - GROUP V (cont.)

Pt.		vert ∡	horiz. ∡	Middle	Bottom	Top	Distance	
✓ G		0°	290° 25′	2664	2562	2767	20.5	41.0
✓ H		0°	287° 30′	2681	2584	2779	19.5	39.0
✓ I		0°	293° 0′	2805	2724	2890	16.6	33.2
elevation 1 (lower platform)		0°		2760			21.2	
3/11/88 H.I. 1485 elevation 2 (upper platform)				2351			621	
Structure 20	A	0°	71° 35′	3463	3425	3500	7.5	15.0
	B	0°	320° 10′	3359	3324	3396	7.2	14.4
	C	0°	250° 15′	3346	3300	3392	9.2	18.4
	D	0°	222° 40′	2564	2533	2595	6.2	12.4
	E	0°	180° 45′	2595	2564	2626	6.2	12.4
	F	0°	175° 55′	2387	2362	2414	5.2	10.4
	G	0°	241° 05′	1868	1847	1891	4.4	8.8
	H	0°	178° 05′	2047	2027	2067	4.0	8.0
	I	0°	253° 55′	1647	1642	1663	2.1	4.2
✓ Structure 19	B	0°	46° 40′	3618	3527	3709	18.2	36.4
	C	0°	33° 45′	3582	3463	3705	24.2	48.4
	D	0°	28° 02′	3295	3176	3415	24.8	49.6
	E	0°	24° 10′	3505	3374	3637	26.3	52.6
	F	0°	16° 15′	3522	3392	3642	25.0	50.0
							39.1	
Platform elevation				3209				
	A	0°	6° 45′	3331	3267	3399	13.2	26.4
Summit elevation				2216			138.4	
✓ Connector 18 to 19	A	0°	6° 05′	3031	2934	3131	19.7	39.4
	B	0°	5° 25′	2936	2850	3016	16.6	33.2
	C	0°	6° 55′	3395	3287	3504	21.7	43.4
	D	0°	354° 50′	3400	3287	3516	22.9	45.8
X elevation				3039				

IH to get elevation 190.4

3389.3

3397.5
3039
58.5

surface collection would be OK

MEASUREMENTS GROUP V (con't) P88-13-20

Pt.	vert ∡	horizontal ∡	MID	BOT	TOP	Dist.
Structure 18 A	0°	234° 25′	2874	2772	2976	20.4 40.8
B	0°	354° 10′	3495	3325	3591	26.6 53.2
C	0°	338° 50′	3027	2855	3201	34.6 69.2
D	0°	346° 30′	3196	3028	3361	33.3 66.6
E ☆	0°	346° 30′	2834	2671	2993	32.2 64.4
F	0°	347° 50′	3122	2953	3294	34.1 68.2
Summit			1647			130.4
connector A 18 to 9	0°	331° 10′	2719	2559	2879	32.0 64.0
" B	0°	336° 35′	2791	2624	2959	33.5 67.0
C	0°	333° 55′	2760	2592	2971	37.9 75.8
Structure 9 A	0°	325° 35′	2822	2639	3014	37.5 75.0
B	0°	338° 30′	2881	2686	3081	39.5 79.0
C	0°	339° 30′	2825	2593	3060	46.7 93.4
summit st. 9			2049			79.4
D	0°	329° 00′	2746	2566	2930	36.4 72.8
E	0°	335° 55′	2830	2645	3015	37.0 74.0
F	0°	336° 30′	2701	2508	2895	38.7 77.4
elevation			2534			30.9
Connector 8 to 9A	0°	337° 55′	2428	2217	2646	42.9 85.8
B	0°	340° 45′	2515	~~2230~~	2725	~~49.5~~ 89.0
C	0°	341° 00′	2514	2297	2731	43.4 86.8
Structure 8 A	0°	342° 10′	3014	2823	3213	39.0 78.0
B	0°	357° 30′	3677	3490	3800	31.0 62.0
C	0°	357° 10′	3369	3140	3664	46.4 92.8
Summit			2214			113.9
D	0°	350° 30′	3105	2916	3295	37.9 75.8
E	0°	350° 45′	3310	3130	3500	37.0 74.0
F	0°	346° 55′	3240	3053	3426	37.3 74.6

WRONG

2843

GROUP B - 3rd part

P88-13-21

Pt	Vert ∠	Horiz ∠	Mid	Bottom	Top	Dist	
3 A	0°	40° 05'	3658	3420	3905	48.5	97.0
3.89 B	"	24° 10'	3652	3508	3795	28.7	57.4
C	"	28° 20'	3785	3549	4029	48.0	96.0
N-Summit	"		2718			97.1	
S-Summit	"		2525			116.4	
6 A	"	358° 05'	3204	2948	~~3468~~	53.8	102.4
B	"	2° 07'	3329	3039	3620	58.1	116.2
3258.5 C	"	8° 20'	3370	3085	3645	56.0	112.0
D	"	7° 30'	3131	2875	3399	52.4	104.8
E	"	11° 15'	3400	3147	3647	50.0	100.0
F	"	7° 20'	3669	3455	3875	42.0	84.0
Plot - Elg	"		3158			100.5	?
Summit	"		2512			74.65	
11 A	"	5° 10'	3398	3085	3699	61.4	122.8
B	"	5° 00'	3268	2942	3595	65.3	130.6
C	"	17° 05'	3850	3555	4145	59.0	119.0
Summit	"		3082			25.1	
16-point	"	313° 05'	2997	2812	3180	36.8	73.6
15 A	+1° 30'	320° 45'	4475	4160	—	63.0	126.0
B	-1°	326° 15'	1882	~~1662~~	2212	55.0	110.0
C	-1°	326° 25'	1582	1210	1960	75.0	150.0
14 A	0°	314° 17'	2810	2425	3198	77.3	154.6
B C	+ 35'	320° 10'	3883	[redacted]	4262	75.8	151.6
C D	+ 2° 55'	313 45'	6940	6526	~~6940~~	82.8	165.6
D	+ 55'	321 25'	4436	4616	4881	89.0	178.0
E	+ 15'	319 15'	2912	2414	—	99.4	198.8
F	0°	314 00'	3061	2639	3546	90.7	181.4
Tie in Post	+15'	326° 52'	3698	3356	4034	67.8	135.6

GROUP V (cont. pg. 4) P88-13-22

Pt.	Vert ∡	horiz. ∡	MIDDLE	LOWER	UPPER	DISTANCE
2-Pt	0°	11° 20'	3878	3502	4242	74.0 148.0
10K/6 (2a)	"	22° 25'	3899	3555	4226	67.1 134.2
Bank 1	"	30° 10'	3995	3720	4259	53.9 107.8
Bank 2	"	63° 20'	3646	3460	3822	36.2 72.4
Bank 3	"	107° 45'	39~~85~~	37~~99~~	4174	37.5 75.0
Bank 4	2°25'	135° 05'	1419	1125	1705	58.0 116.0
Bank 5	0°	151° 20'	3967	3657	4277	62.0 124.0
10K/1	"	163° 30'	4080	3677	4467	79.0 158.0
2nd Transit	0"	336° 25',	2258	1869	2669	80.0 160.0
Landmark Tree		141° 03'				

3/14/88 I.H=1435

Struct. 13 pt A	~~285° 05'~~	285° 05'	2529	2352	2709	35.4 70.8
13 pt. B		280° 25'	2645	2447	2843	39.6 79.2
13 pt C		274° 05'	2330	2146	~~25~~ 2453*	36.8 ~~30.7~~ 73.6
elevation			1278			130.9
~~12 A~~			~~2905~~	~~2679~~	~~Can't read~~	
Str. 12 B		306° 10'	3077	2843	~~23~~ 3306	46.3 92.6
12 A		302° 30'	2909	2680	—	45.8 91.6
12C		309° 50'	~~310~~ 3112	2919	3311	39.2 78.4
Structure 11A		306° 10'	- 2492	2367	2621	25.4 50.8
11B		296° ~~45~~ 55'	1284	1069	~~2298~~*	43.0
11C		289° 50'	- ~~28~~ 2350	2220	2500	28.0 56.0
11D		280° 50'	- 2285	2160	2418	25.8 51.6
11E		335° 50'	- 2585	2505	2674	16.9 33.8
11F		297° ~~50~~ 25'	1938	1864	1209*	14.8 ~~34.5~~ 29.6
11G		308° 14'	1919	1825	2005	18.0 36.0
11H		325° 24'	1932	1865	2000	13.5 27.0
summit elevation ~~143~~			1574			85.4
platform 2 elevation			1878			55.0
elevation 3		289° 51'	2102	1983	2222	32.6

P88-13-23

	Pt.	Slope Angle	Horizontal Angle	Mid ~~Bot~~	Bot	Top	Dist.
Const. Sta. 11-10	A		307°25′	2105	2050	2151	10.1 20.2
	B		297°35′	1960	1925	1992	6.7 13.4
	C		327°00′	~~2010~~ 2041	2010	2075	6.5 13.0
Sta. 10	A		274°45′	2168	~~1222~~	2220	~~5.7~~ 6.8 13.6
	B		250°50′	2084	2043	2138	9.5 19.0
	C		131°13′	1831	1802	1859	5.7 11.4
	D		158°00′	2040	1964	2119	15.5 31.0
	E		118°35′	2605	2472	2732	26.0 52.0
	F		75°35′	2730	2627	2835	20.8 41.6
	G		9°40′	2446	2410	2482	7.2 14.4
	H		353°00′	1990	1967	2012	4.5 9.0
elevation 1			272°10′	1622	1595	1650	~~39.6~~
elevation 2				1115			71.6/155.2
elevation 3				1803			201/132.5
Struct 7	A		40°00′	2835	2641	3031	39.0 78.0
	B		50°28′	2326	2183	2471	28.8 57.6
	C		10°40′	~~2460~~ 2574	2465	2680	21.5 43.0
	D		9°30′	2640	2478	2802	32.4 64.8
	E		17°10′	2483	2322	2640	31.8 63.6
	F		17°45′	1915	1771	2062	29.1 58.2
	G	-1°	24°30′	1548	1400	1700	30.0 60.0
	H		26°40′	2799	2620	Cut see	35.8 71.6
	I		49°45°	2350	2184	2530	34.6 69.2
	J		51°45°	2257	2090	2422	33.2 66.4
elevation 1				1605			N 95.6/34.5 S
elevation 2				0935			N 188.7/51.5 S
Struct. 1	A		67°40′	3105	2886	3325	43.9 87.8
	B		63°05′	2955	2744	3162	41.8 83.6
	C		61°15′	3015	2799	3241	44.2 88.4
wall line	pt 1		71°00′	3020	2823	3233	41.0 82.0
	pt 2		68°00′	2996	2809	3175	36.6 73.2
	pt 3		63°18′	2897	2738	3048	31.0 62.0
	pt 4		60°00′	2910	2758	3058	30.0 60.0

P88-13-24

I.H. = 1435

Point	Scope Angle	Angle	Middle	Bottom	top	Dist	
Struct 5 A	0°	86°55′	2425	2283	2571	28.8	57.6
B	"	95°45′	2455	2306	2603	29.7	59.4
C	"	98°45′	2613	2483	2745	26.2	52.4
D	"	108°14′	2649	~~3504~~ 2510	2787	27.7	55.4
E	"	89°10′	2722	2519	2923	40.1	80.8
elevation 1			1929			51.1	
elevation 2			2304			32.7	
✓ Struct 24 A		~~156°55′~~	~~2653~~	~~2545~~	~~3762~~		
(Tr. ℞ pt)	"	157°	~~3355~~	~~3260~~	~~3449~~		
		157°	3348	3235	3450	← Keep this set	

21.5

43.0

AJ IH = 1445 P88-13-25

Point + Structure	scope ∡		horizontal ∡	MID	BOTTOM	TOP	DISTANCE
Str. 1 pt. A	0°	1	87° 4′	1268	1182	1354	17.2 m.
B	"	2	82° 16′	1118	1057	1179	12.2 m
C	"	3	112° 9′	1266	1183	1350	16.7 m
elevation	"			0763			0.45 m
Str. 2 one point	"	4	121° 25′	1221	1103	1338	23.5 m.
Str. 3 pt. A	"	5	142° 32′	1564	1392	1738	34.6 m.
B	"	6	146° 19′	1394	1242	1546	30.4 m
C	"	7	154° 23′	1215	1049	1384	33.5 m.
Str. 4 one point	"	8	185° 29′	1316	1243	1388	14.5 m.
Str. 5 one point	"	9	33° 27′	1444	1387	1500	11.3 m.
Tree tie in 9		10	33° 29′	1254	0651	1879	122.8 m.
Str. 6		1	95° 22′	~~1634~~ 1636	1608	1666	
7 A		2	66° 12′	1563	1472	1654	5.8 m
B		3	58° 15′	1585	1499	1672	17.3 m 18.2 m
C		4	75° 14′	1601	1529	1673	14.4 m.
8		5	104° 47′	1795	1628	1961	33.3 m.
9		6	65° 16′	2012	1778	2254	47.6 m
Tree tie in #9			41° 48′	2035	1645	2406	76.1 m
tie in post 8 on AK	−15′		125° 35′	2205	1025	≈3395	237.0
tree tie in #9 (AK)	0°		40° 24′	1692	1354	2035	
post 3 to Transit A	0°		168° 14′	1908	1332	2498	
transit A to post B	0°		18° 10′	1730	1304	2161	
Transit C to post B (IH 1480)	+ 2°		205° 40′	2375	181 approx	2985	
Transit C to Transit D	0°		40′ 35′	1376	0899	1854	104.5
Transit D to Transit C (IH 1560)	0°		220° 35′	1619	1140	2100	
Transit D to Post 7	0°		43° 26′	~~2586~~	2001	3173	

IH. = from new 1535 transit point further N

P88-13-26

3/15/88 Notes on Structures - La Sierra Z/ Group V
refer to sketch map.

#1 - fence runs over structure, NE corner very eroded and almost falling into the eroding bank about 1.5m to N

#2 - large dead structure going outside of fence toward river on E approx 4 X 4 m across, edge eroding into river cut.

#30 (10K/6) - also a dead structure, more than ½ gone in river bank, surface collection 10K/6 collected from bank

#3 - very long structure, NE corner cut off at some point apparently by the river, which is only ≈ 4m away to E, exposing cobble construction

#4 - also a very long structure, West end has higher elevation than E, road/trail cut over middle of mound, just to E of elevation

#5 - partially disturbed structure, N edge cut away w/ road running next to that end, some of the rubble probably moved to N side of road, making structure difficult to interpret at first, rubble also almost obscures beginning of faced wall; structure seems to be L shaped w/ higher elevation on main stem. ⊔ A medium sized tree also obscures & disturbs the SE corner of the structure

#6 - long structure, E end lower & narrower than W end

#7 - long very high structure E end higher than W, staircase off E end, lower platform disturbed by past & present trees, W end narrower, also w/ weird inset cut out of N side where it narrows ⊔, ground level on N side of structure lower than on S.; wall beginning N of 5 joins to SE corner of structure

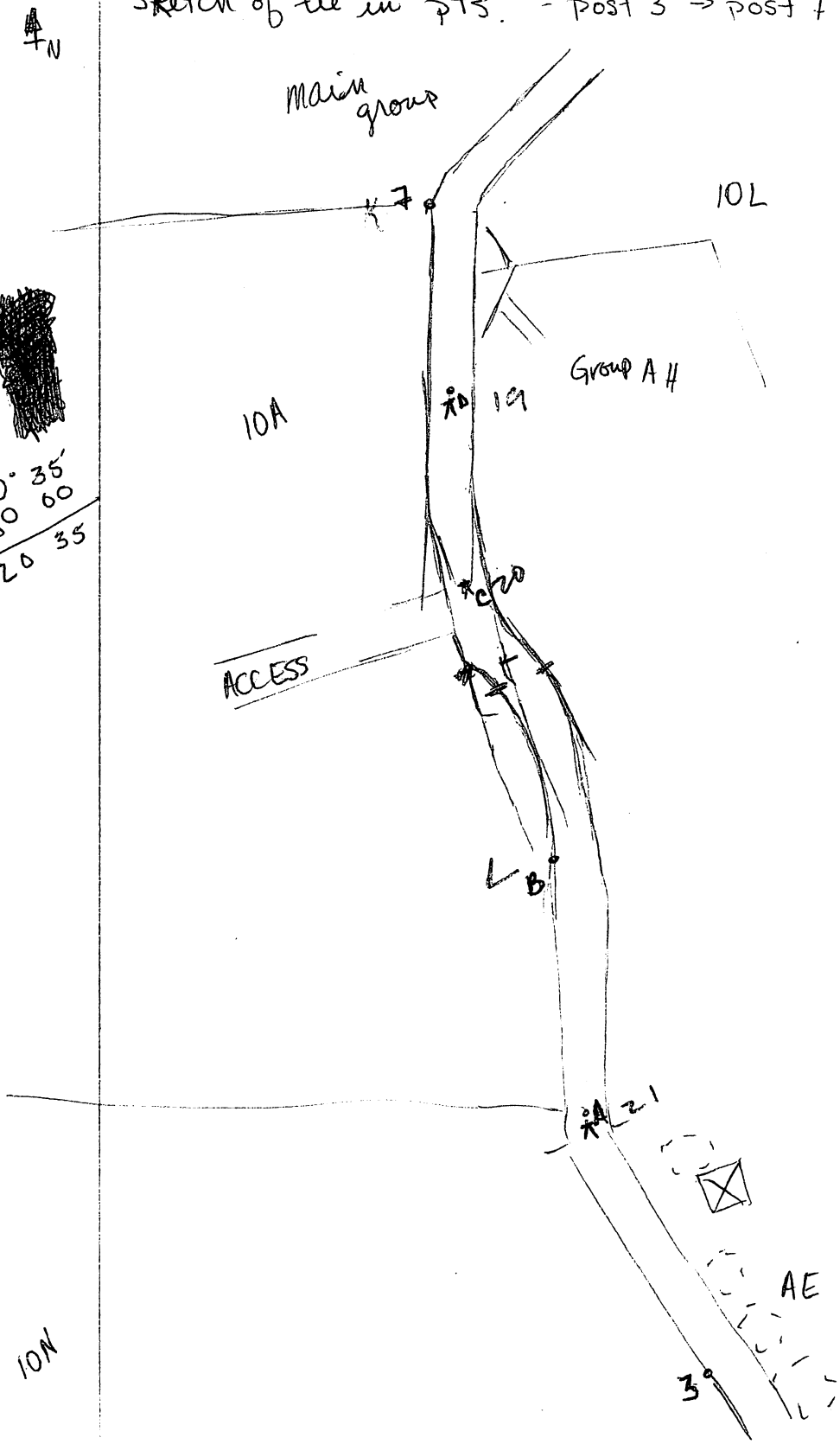
#8 - rectangular structure with stairway coming off S side, connector on W end to #9

[illegible]

#9 - connected to 8 & 18, small platform off S. side
#10 - connected on N to 11, 3 levels, tree on S platform, N side higher than S side
#11 - connected to 10 on S edge, 3 levels, tree stump in middle of middle level, platform off W
#12 - flat rectangular structure, very long
#13 - square structure, N edge higher than S
#14 - L shaped structure, one level, N edge higher
#15 - rectangular structure
#16 - dead structure, line of stones visible in center where there is an old path
#17 - long 2 level rect. structure, summit has staircase off S side, SE corner had a path over it at one pt and had car or cart tracks disturbing the corner.
#18 - connected to 9 & 19, staircase on N edge, hole on E side of summit
#19 - connected to 18 on W, platform off N, large tree on summit
#20 - high square structure, transit spot 1
#21 - flat structure S of 20
#22 - well preserved structure w/ staircase on E side, poss. lines on summit on W & S edges
#23 - very long flat structure
#24 - dead structure partly in current road thru site 2x2m
#25 - dead struc., 2.5 x 3 m
#26 - long structure w/ road thru middle, flat
#27 - dead structure
#28 - long structure, no elev., road over SE corner
#29 - dead struc., 4x4 m

Group V is located on the Chamelecon bank between Group U and the main group. Surface collection 10K was taken from the river bank.

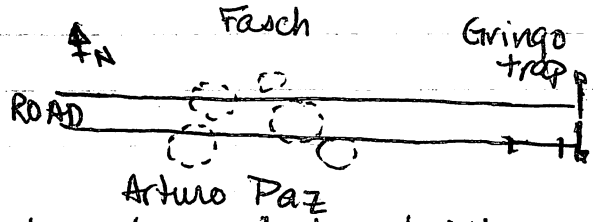
Sketch of tie in pts. - post 3 → post 7



P88-13-28

3/22/88 Site 242 - Lisa, Gary, me, René

Gary read the compass, Lisa ran the tape, numbers w/ Lisa. The site consists of 5 dead mounds in the road leading to the Sinserri farm. The mounds are about 100 m W of the gate to the farm. It is very hard to distinguish the mounds because they have been so heavily disturbed scattered by vehicles passing over them. There is a quebrada 250 m to the N, site 240 is 200 m SSE of 242. The cobbles range in size from medium (15-25 cm) to small. Any visible construction



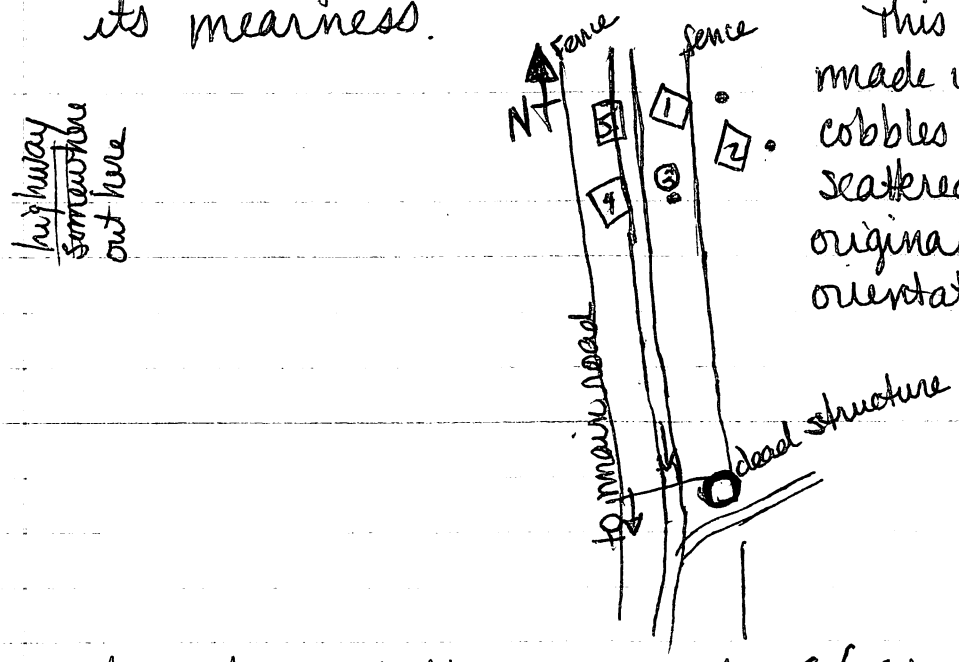
methods have been destroyed. There is also a farm house approx 75 m to the SW. The site may at one time have been on a small rise but that is difficult to determine at this point because the road is sunk below ground level, changing the topography somewhat.

Site 243 - Lisa, Gary, me, René

We walked about 400-500 m straight in the main entrance to the Fasch farm, up the road to where it seems to dead ends at a fence. We went through the fence and continued another 50 m to where there was a small site of 5 structures. All the structures were covered in trees and cactus until René cleared them. One structure (#3) is a point structure but had a fairly large concentration of sherds. Structure #2 had a looters pit on the W side that obscured the NW corner. All have some kind of elevation except for #3. #5 has a corner that sticks out in the road.

3/22/88 Site 243, con't

All the structures are made from medium to small sized cobbles. There is another dead structure ≈50m to the south, where the fence dead ends the road. Associations between the two are indeterminate but it is being included in this description due to its nearness.



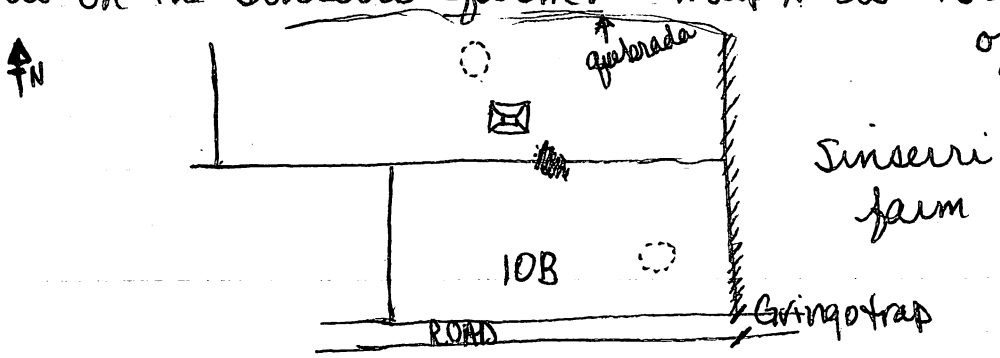
This structure is made up of slightly larger cobbles but is fairly scattered around so that original shape and orientation can't be seen.

A surface collection was made (243A). Most of the sherds came from structure #3 and N & E of Str. #2.

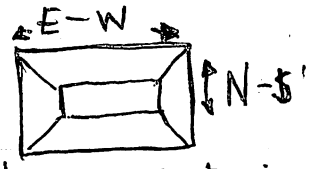
3/23/88 Site 244 - Lisa, Gary, René, me

We started at the SE corner of the Fasch Farm by the gringo trap. The corner field had already been surveyed when it was freshly plowed in January, and is listed as 10B. In the field just to the N there are 2 structures in a corn/squash field. The smaller one is dead, being only a few scattered rocks. The larger one is still about 1m high even though it has been plowed. The corn was ≈ 1-1½m high and has been bent over & brown. The quebrada

Site 244, cont
that runs about 75 m to the North is also the same one that runs just N of groups X, C, D, G of the La Sierra site on the Sinserri farm. Group X is 150-200m SE of 244.



The large mound is about 4 m E-W & 2½ N-S and about 1 m high. René says the small one are just moved rocks to put corn or squash on at harvest time.



On our way N we came across another dead structure about 20 m N of the large one.
A surface collection of a few sherds was called 244A/1

Site 245 - Lisa read/recorded, Gary - Tape
Consists of 3 dead structures in a field just W of the edge of Sinserri's farm. It is about 300 m N of the quebrada and about 150 m SW of La Sierra Group S. The field is in sparse scrub about 1 m high.

Site 246 - Gary read/recorded, Lisa - Tape
Consists of 5 dead structures in a cow pasture. The field had been plowed at some point so all the rocks were scattered. Only points were taken. The site is located about 250 m NW of La Sierra Group S & 200 m N of 245.

Site 246, cont.

The whole area the site is situated on slopes from the NW down to the SE. It is in grass ≈1m high w/ very few trees, so we had René remove the grass over them in order to facilitate mapping. The surface collection consists of sherds dug up by animals between structures 3 & 4, numbered 246 A/1

La Sierra N of Main Group

P88-13-32

Contours

(R1 to R5 * 66°02'

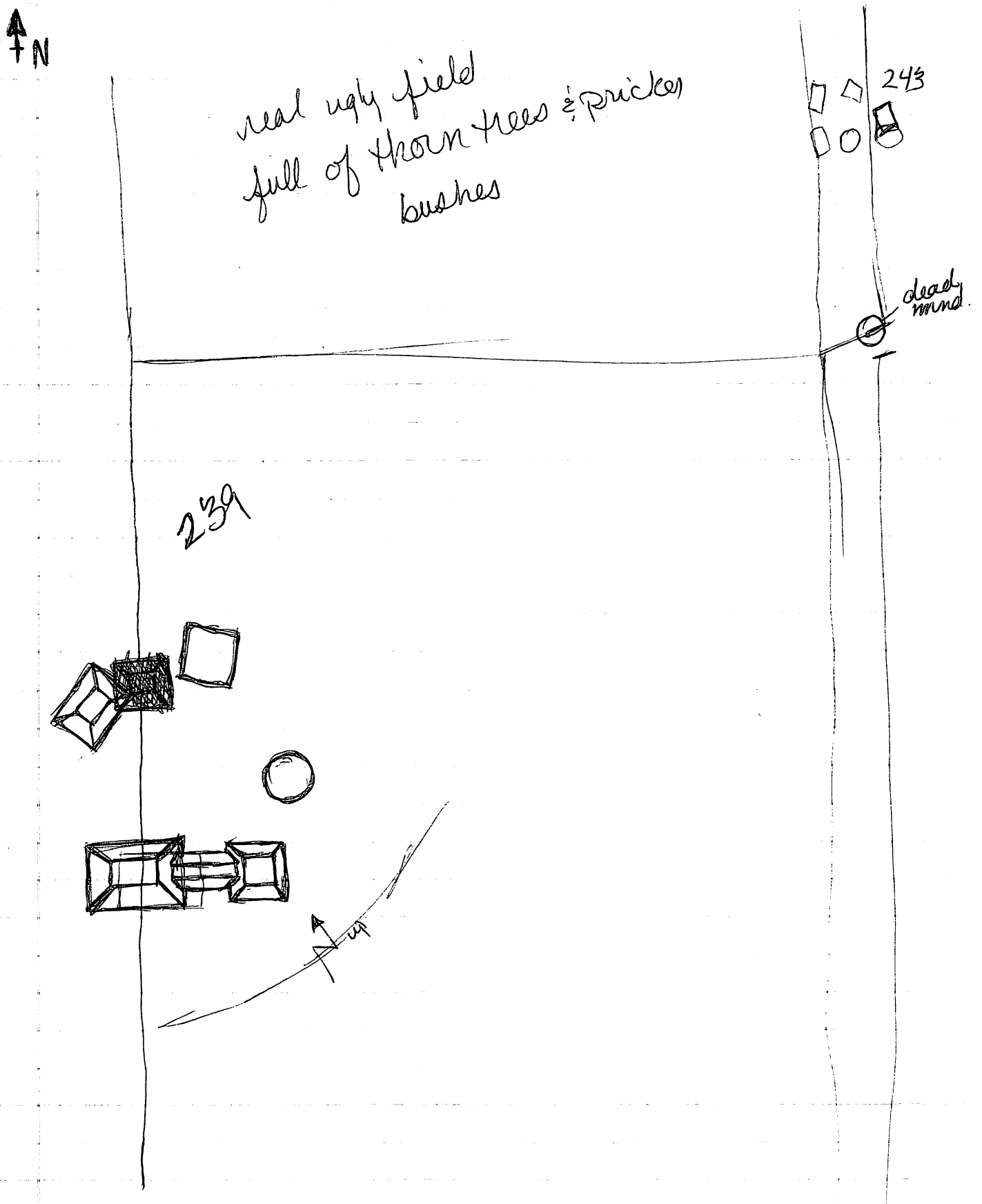
back az 246° 02'

Dist 60.2

pt.	*	Mid.	Bottom	Top	Dist.
1	234°00'	2981	2741	3221	
2	223°49'	3515	3404	3630	
3 g	176°29'	3009	2859	3162	
4 g	148°54'	3045	2888	3202	
5	139°10'	3262	3143	3381	
6 g	122°58'	3122	2929	3315	
7 g far edge	129°18'	3505	3137	3889	
8 g	107°56'	3079	2821	3336	
9	95°11'	3325	3189	3460	
10	83°25'	3467	3161	3744	
11	84°55'	3415	3148	3779	
12 g	84°57'	3824	3198	4456	
13	70°23'	3675	3166	4176	
14	66°40'	3639	3341	3939	
15	56°37'	39[illegible]9	3548	4282	
16	51°43'	3860	3599	4115	
17	21°32'	3899	3645	4154	
18	20°44'	3685	3550	3821	
19	5°27'	4403	4118	4670	
20	357°33'	4349	4192	4504	
~~21~~		~~3208~~	~~3012~~	~~3401~~	
21	340°27'	3501	3321	3683	
22	335°05'	2822	2576	3070	
23	313°13'	2634	2401	2877	
24	308°14'	3084	2924	3242	
25	290°49'	2338	2097	2580	

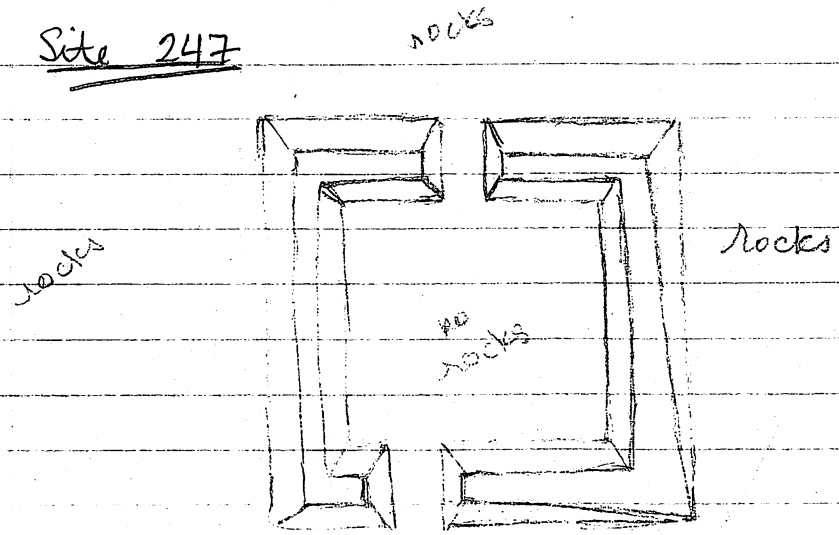
field to E

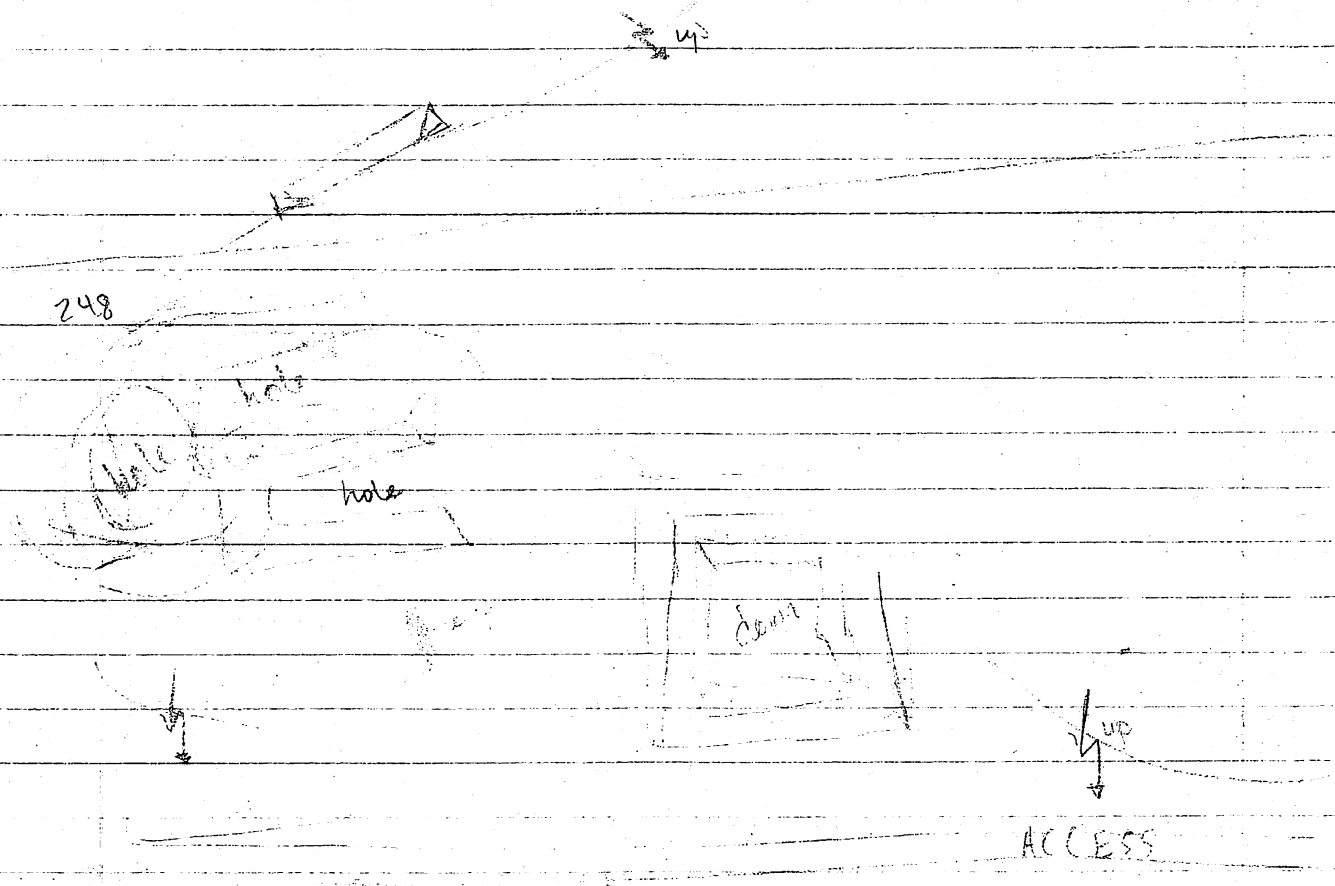
transit height 1550


N
real ugly field
full of thorn trees & prickly
bushes
243
dead mind.
239
up

N

Site 247


rocks
rocks
rocks
no rocks


up
248
hole
hole
hole
down
up
up
ACCESS

Site 249

Working w/ 11, 12, 13

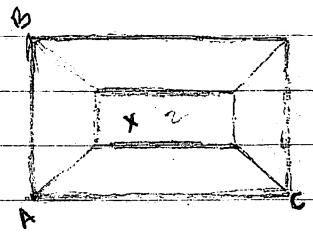
4-6-88

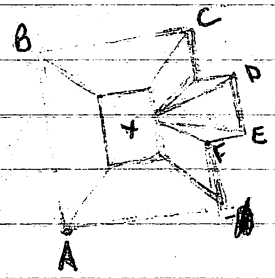
P88-13-33

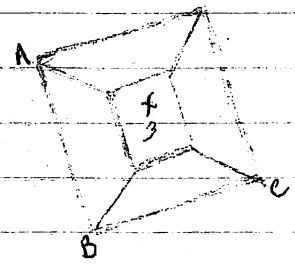
Diameter(m)	Point	Middle	Bottom	Top	Distance	Horiz ∡	Vert ∡
1	1	1204	1168	1241	7.3	85°00'	
1	2	1220	1130	1301	17.1	90°25'	
3.0	3	0955	0854	1056	20.2	104°10'	
2	4	0810	0680	0948	26.8	114°10'	
1	5	1026	0861	1193	33.2	93°15'	
2.5	6	0851	0681	1021	34.0	108°55'	
1	7	0981	0695	1077	38.2	114°15'	
1.5	8	0879	0658	1099	44.1	114°15'	
1	9	0861	1100 ↔	0638	46.2	107°15'	
2.5	10	0754	0496	1008	51.2	114°55'	
2.5	11	0828	0552	1094	54.2	120°05'	
1.5	12	0950	0700	1160	46.0	121°40'	
1.5	13	0885	0698	1081	38.3	114°30'	
1.0	14	1040	0864	1182	31.9	132°25'	
2.0	15	0911	0770	1052	28.2	121°30'	
2.5	16	0955	0836	1174	33.9	125°45'	
2	17	1029	0899	1100	21.1	142°55'	
1.5	18	1014	0904	1124	22.0	140°10'	
1.5	19	1298	1158	1438	27.8	160°20'	
2.5	20	1043	0940	1145	20.5	152°55'	
2	21	1115	1008	1222	21.4	166°30'	
1.5	22	1325	1220	1430	21.0	178°40'	
1.5	23	1304	1211	1398	19.7	186°05'	
2.0	24	1011	0934	1089	15.5	159°55'	
2	25	1023	0967	1079	11.2	148°35'	
2.5	26	1100	1047	1151	10.4	174°00'	
1.5	27	1269	1205	1333	12.9	196°40'	
2.0	28	1313	1256	1368	11.2	241°45'	
1.0	29	1288	1256	1321	6.5	223°40'	
tie in post		1520	1120	1950		307°40'	

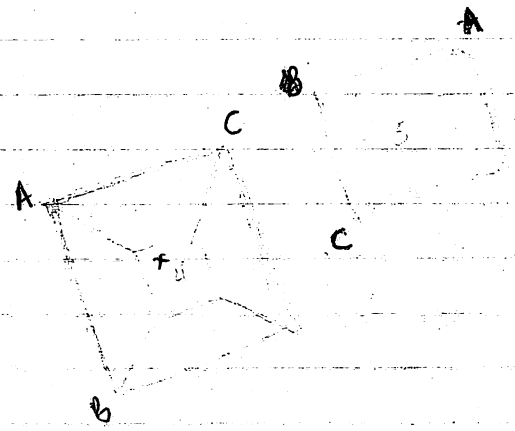
1.0			
1.0			
2.0			

N 250

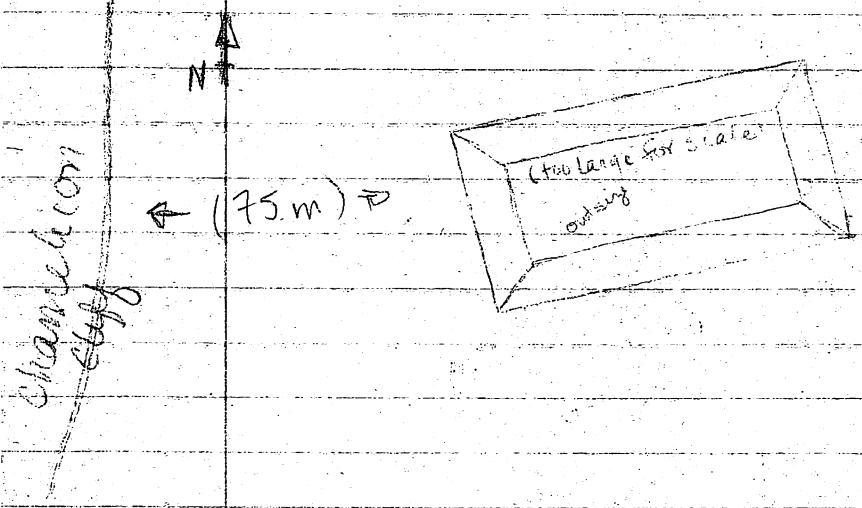


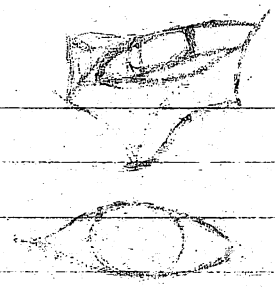






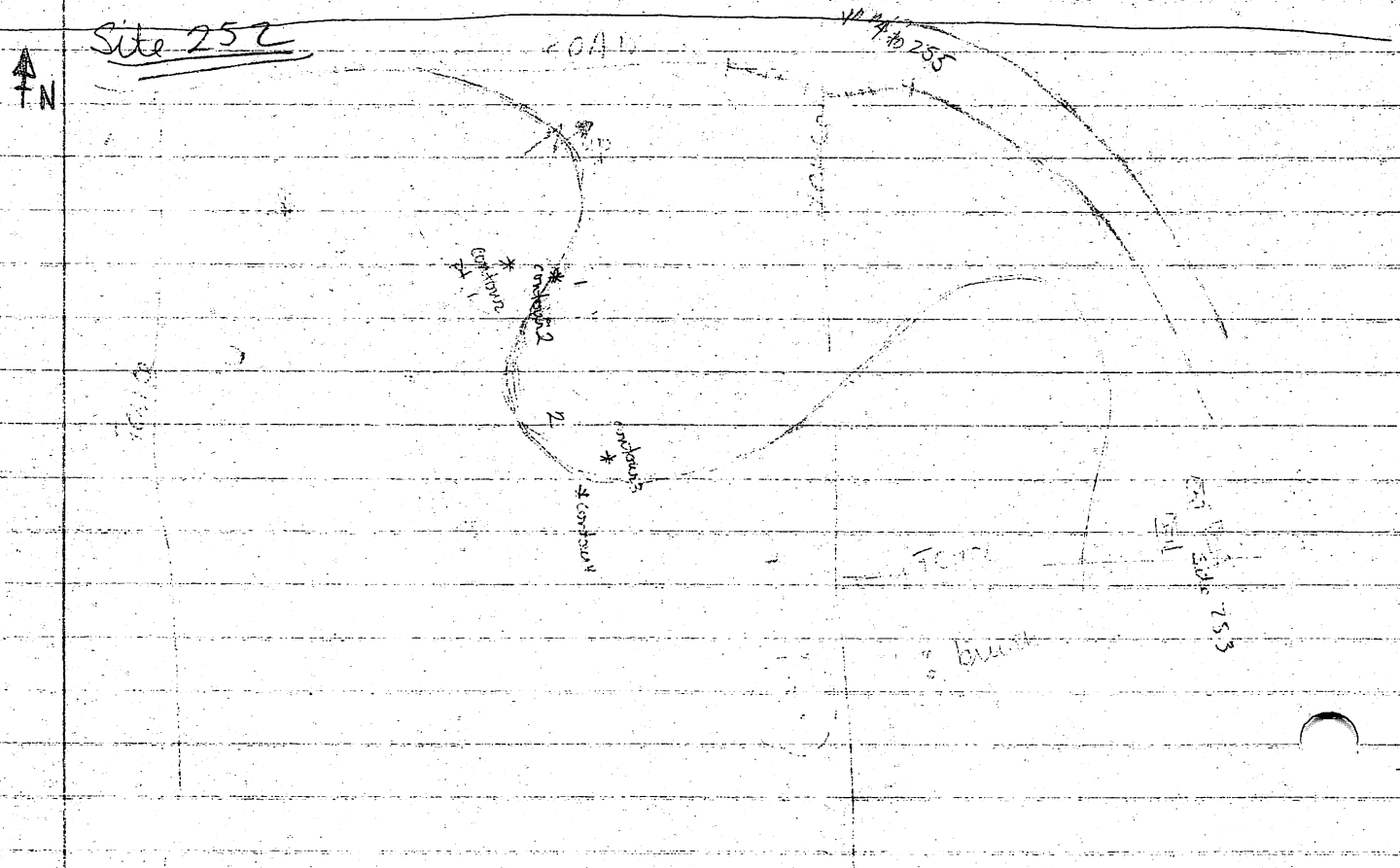
Site 251 1 mound



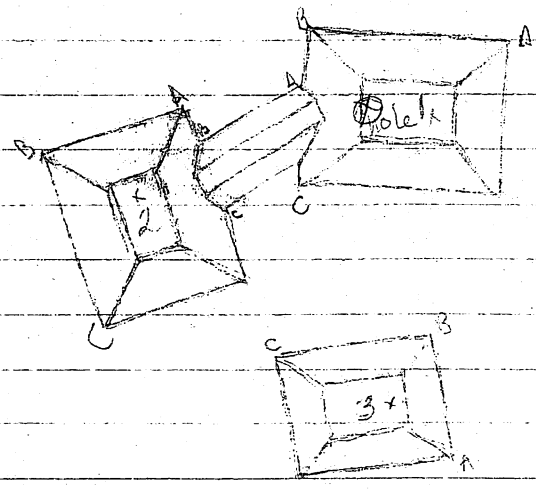


ACCESS ROAD

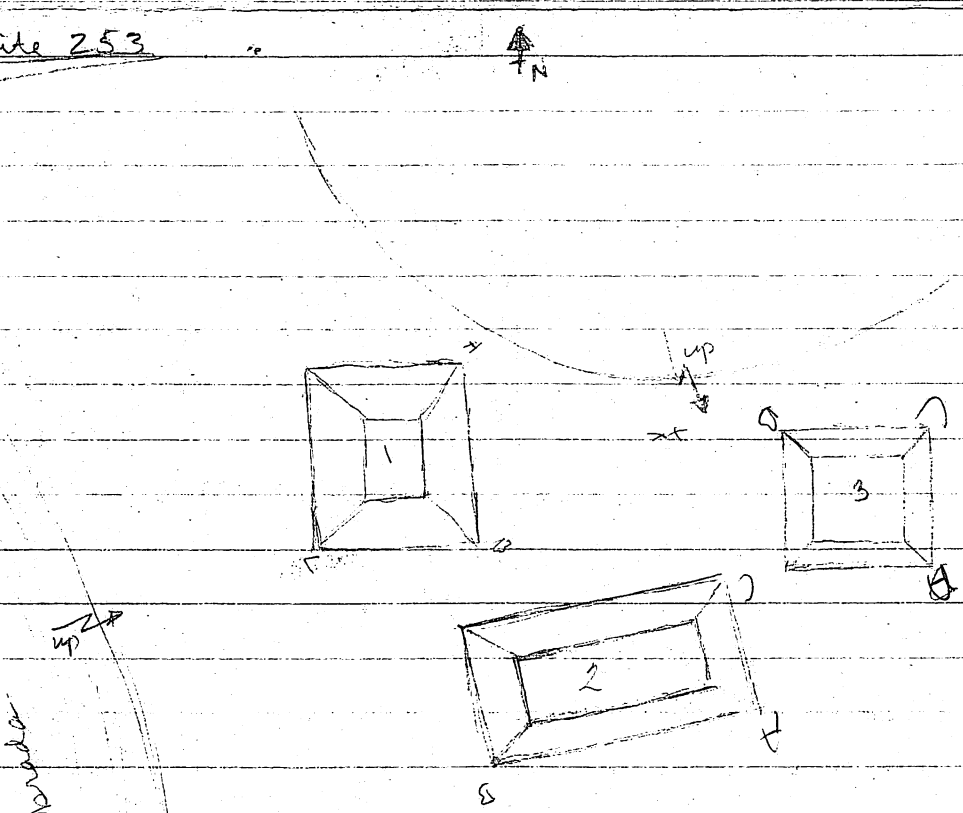
Site 252



Site 254



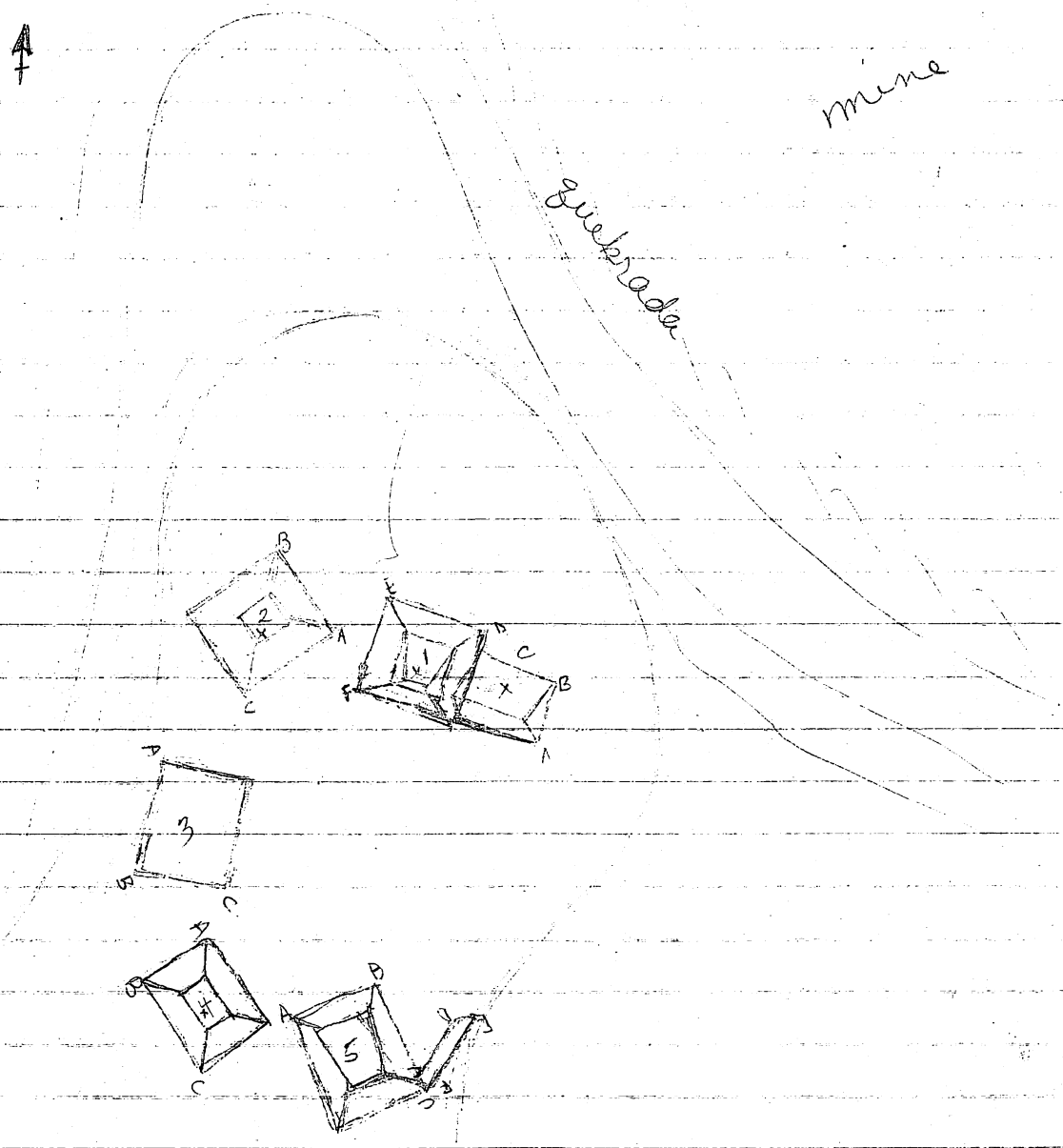
Site 253



255-no sketch map

Site 256

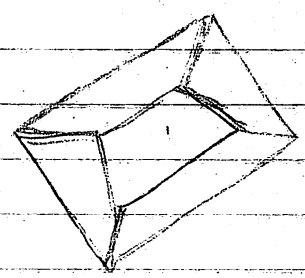
Chanel. flood plain
← to chanelicon

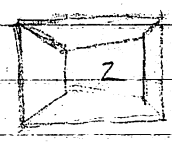


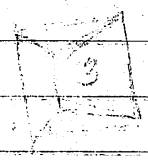
Site 257

chamelicon

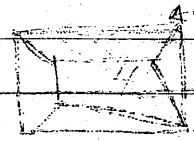
DAN, JD







cut through side



Tence

5

Site 256

4-11-86

DONE

P88-13-34

POINT	MIDDLE	~~TOP~~ Bottom	~~BOTTOM~~ Top	DISTANCE	Horiz	Vert
1A	1699	1653	1744	9.1	38°10'	+40
B	2131	2060	~~2060~~ 2200	14.0	35 30'	
C	1611	1548	1674	12.6	40 45'	
Elv Point	1450					
D	2006	1925	2089	16.4	0° 5'	
E	2160	2073	2253	18.0	335° 0'	
F	1414	1362	1466	10.4	318° 10'	
Elv	1104			1.00m		
2A	1388	1338	1438	10.0	309°50'	
B	1927	1846	2018	17.2	307°30	
Elv	0765			116/64		
C	1363	1320	1416	9.6	272°10'	
3A	1742	1724	1859	13.5	240° 30'	
B	1608	1740	1875	13.5	214° 00'	
C	1605	1550	1660	11.0	206° 45'	
4A	2040	2004	2180	17.6	177° 50'	
B	2615	2585	2730	22.5	183°45'	
C	2600	2481	2720	23.9	172° 00'	
Elv	2030					
5A	2345	2257	2437	18.5	148° 50'	
B	2072	1981	2162	18.1	133° 00'	
C	2465	2360	2570	21.0	127°20'	
D	2298	2211	2380	16.9	116° 05'	
E	3684	3580	3765	18.5	106°40'	
F	3800	3745	3964	23.9	116° 50'	
Cont 1	3150	3064	3242	17.8	55° 10'	
Cont 2	4000	3852	4145		6°10'	
Cont 3	6625	6455	6760		59°10'	
Cont 4	6295	6105	6500		223°20'	

TRAV HGHT = 1.375 m

12/13 Site 257 DONE 4-11-88 P88-13-35

POINT	MIDDLE	BOTTOM	TOP	DISTANCE	HORIZ ∡	VERT ∡
1A	2620	2562	2691	1 12.9	296°50'	+3°
B	1905	1865	1946	2 8.2	355°00'	
C	2446	2373	2525	3 15.2	355°55'	0.90m
E/U	1421			1.64 111.2/48.4		
2 A	1584	1567	1612	4 4.5	7°45'	
B	1470	1442	1503	5 6.1	40°55'	
C	1426	1780	1480	6 10.0	31°10'	0.1m.
E/U	1415					
3A	1310	1288	1330	7 4.2	90°00'	
B	1206	1167	1234	8 7.1	92°30'	0m
C	1057	1021	1100	9 7.9	120°50'	
4A	1714	1640	1785	10 14.6	176°05'	
B	1861	1609	1915	11 10.6	211°45'	0.52m
C	1454	1372	1537	12 16.5	207°45'	
E/U	1160 554 ±0.1					
4m Dia 5	2098	2015	2260	13 26.5	246°15'	
Cont 1	1171	0985	1155	X	101°00'	
2	3751	3648	3803		295°00'	

TRAN HGHT = 1315

$$\frac{3\,m}{2\,m} = \frac{x\,mm}{.77\,m}$$

$$x = \frac{3 \times .77}{2}$$

$$x = 1.16\ mm$$

Site 257

This site is located at the edge of the drop into the floodplain of the Chamelicon. It is 150 m S of 256. It consists of 5 structures in rough circle. The land slopes down from the E to the W. There are 5 structures of medium size cobble construction. #5 is in dense brush and cannot be discerned as to size & shape. #4 has the north edge cut off by a vehicle path. There were other bushes and shrubs around the site that had to be removed. The rest of the site was covered in sparse grass and weeds.

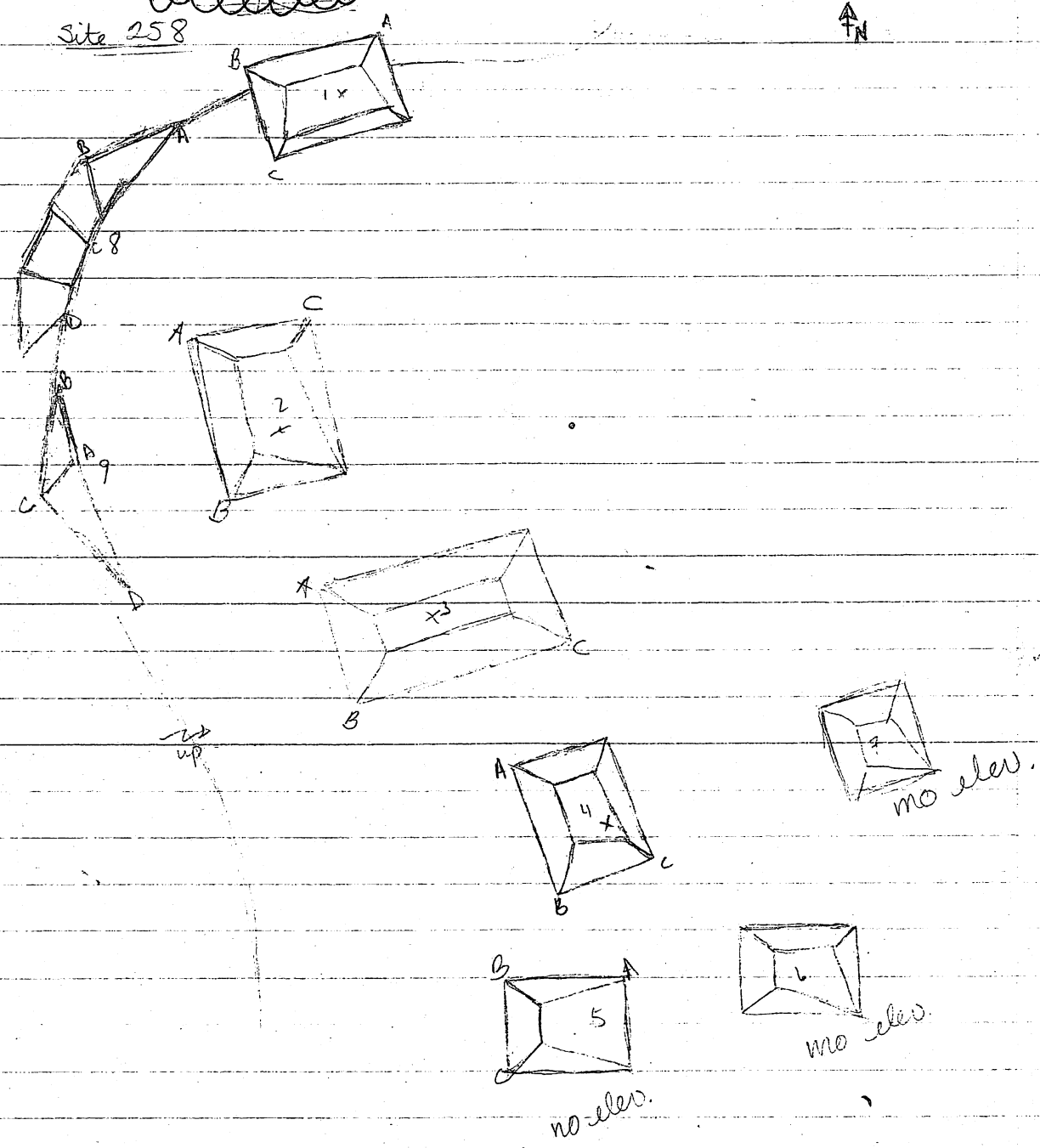
Site 258

This site is located on the S bank of the quebrada Las Tintas on the land of Guillermo Ruiz. 150 m to the E on the other side of the quebrada is 261. The site is in a pasture and covered in knee-high grass. There are 7 structures of medium sized river cobbles and two walls facing a ridge on the NW side of the site. The structures are stretched out in a linear fashion, with a clump at the S end, like a backwards "J".

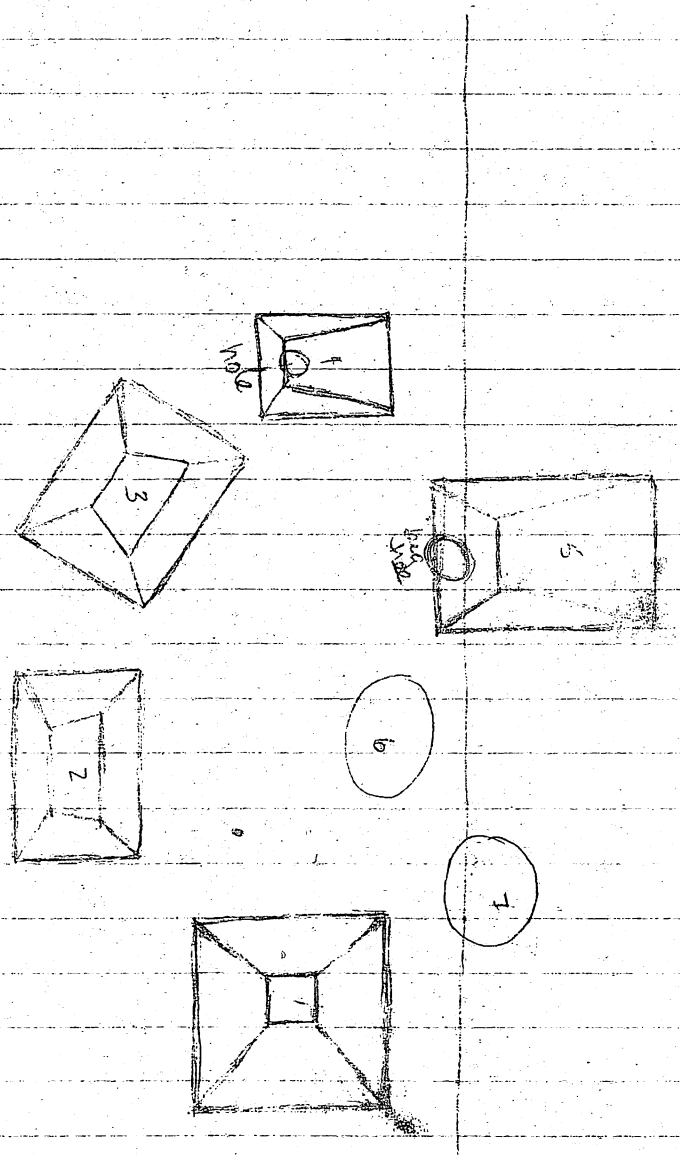
Site 260

This site consists of 2 structures in the middle of of the plateau, 200 m N of 261. The quebrada Las Tintas is 220 m to the S & W of these two structures. They are in a pasture covered in 30cm high grass, and are constructed of medium sized cobbles. Site 168 is 200-250m to the NW.

Site 258



259 ~~also possibly 187~~



P88-13-37

4-13-88

12/13 259

	POINT	MIDDLE	BOTTOM	TOP	DISTANCE	HORI ∡	VERT ∡
Str. 1	elev	0454			124.3		2
	NE cor	1350	1253	1444	19.1	159°05'	2
	NW cor	1704	1617	1791	17.4	191°45'	↓
	SW cor	2030	1900	2176	27.6	191°35'	
Str. 2	SW cor.	2465	2353	2578	22.5	217°55'	
	NW cor	2646	2557	2738	18.1	234°45'	
	NE cor.	1810	1746	1875	12.9	226°40'	
Str. 3	SE cor	1607	1567	1646	7.9	229°35'	
	SW cor.	2319	2248	2390	6.2	248°35'	
	NW cor	1564	1493	1635	14.2	281°30'	
	elev.	1220			100/31.5		
Str. 2	elev.	1404			155/59.0		
Str. 4	SW cor	1534	1507	1566	59	334°05'	
	SE cor.	1274	1243	1307	64	26°45'	
	NE	1516	1465	1565	10.0	140°30'	
Str. 5	NE	0694	0629	0760	13.1	67°40'	
	NW	1100	1056	1142	8.6	59°25'	
	SW	1004	0977	1042	6.5	109°05'	
	elev.	0286			81.4		
Str. 7	1pt.	1871	1679	1864	21.5	134°35'	
Str. 6	1pt.	1255	1207	1304	9.7	142°25'	
1H		1350					

SITE 260 DONE

1	SW cor.	1222	1146	1295	14.9	299°25'	
	NW cor	1250	1174	1326	13.2	326°35'	
	NE cor.	1129	1086	1175	8.9	336°20'	
	elev.	0529					
2	NW cor.	0948	0911	0988	7.7	269°05'	
	NE cor	1054	1032	1077	4.5	253°40'	
	SE cor	0901	0853	0948	9.5	221°15'	
	1H	1310					

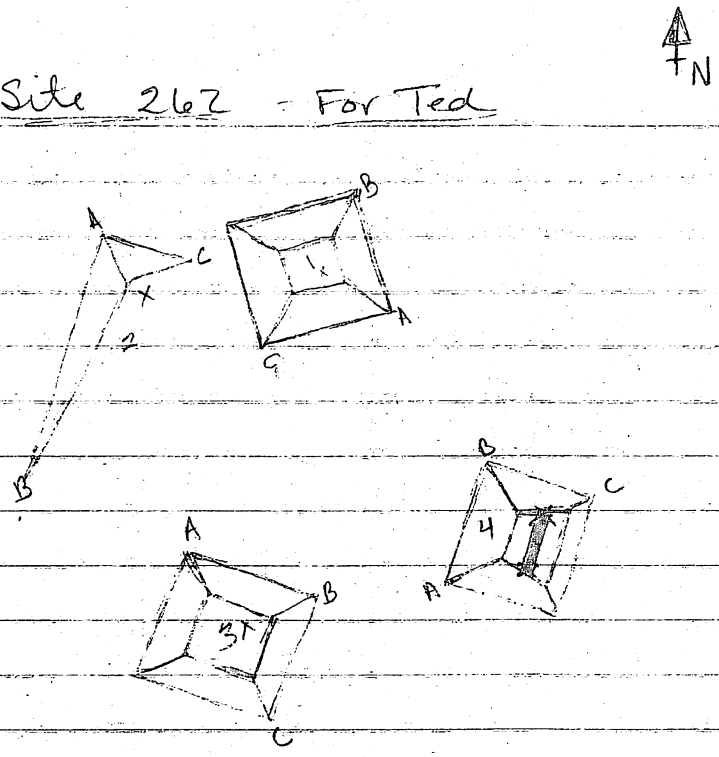
Site 258 — 4-15-88

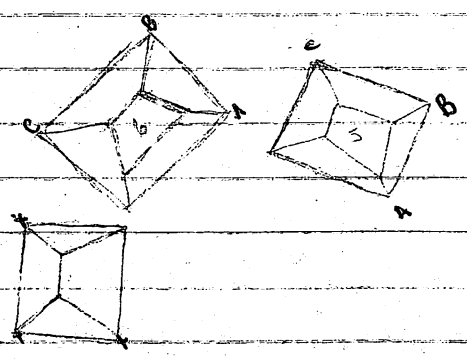
P88-13-38

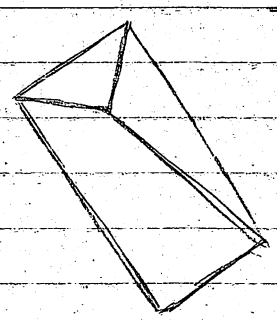
D,13

Point	Middle	Bottom	Top	Distance	Horz ∡	Vert ∡
1A	2152	1981	1423	44.2	351° 55'	1 0°
B	2495	2202	2765	58.3	342° 45'	2
C	1946	1700	2203	50.3	338° 30'	3
Elv	1551			(1.10) 77.3		0.65m
2A	2220	1971	2468	49.7	326° 10'	4
B	2162	1948	2360	43.2	320° 00'	5
C	2079	1845	2321	47.6	330° 10'	6
Elv	1750					0.4m.
3A	2002	1430	2175	34.6	319° 10'	7
B	1772	1630	1917	28.7	315° 50'	8
C	1525	1408	1641	23.3	336° 45'	9 0.69m.
Elv	1081			(1.03) 68.5		
8A	2330	2054	2610	55.6	335° 20'	10
B	2837	2548	3130	58.2	332° 05'	11
C	2525	2353	2117	* 34.4	327° 30'	12
D	2548	2278	2825	54.7	323° 15'	13
9 A	2481	2154	2621	46.7	318° 55'	14
B	2472	2216	2741	52.5	318° 10'	15 45°
C	2275	2025	2525	50.0	315° 20'	16
D	1971	2750	2002	77.9 (1.10)	315° 20'	17
4A	1431	1335	1525	18.9	312° 00'	18
B	1468	1294	1543	14.9	292° 05'	19
C	1294	1246	1345	9.9	304° 30'	20
Elv	0924			(1.10) 52.5		0.44m
5A	1218	1162	1273	11.1	201° 00'	21
B	1242	1223	1364	14.1	216° 05'	22
C	1182	1108	1270	10.3	217° 55'	23
6A	1198	1151	1245	9.4	141° 20'	24
B	1051	1009	1094	8.5	146° 00'	25
C	1024	0962	1084	12.2	171° 20'	26
7A	0927	0881	0976	9.5	42° 55'	27
B	1075	1023	1131	10.8	79° 00'	28
C	1277	1245	1310	6.5	55° 35'	29

Site 262 - For Ted







P88-13-39

Site 263

This site is located on the N side of the Quebrada Las Tintas on the W side of the road to San Antonio. It is 500 m from the road, behind the colonia along the road. There is a road leading back close to it. There is a modern house 200 m to the N. The site consists of two large mounds, the larger is 16x5x3 m high, the smaller 4x4x2 m high. The larger one is slightly to the NE of the smaller, which is 20 m from the edge of the quebrada. The mounds are constructed of medium to large cobbles, that have been exposed by extensive burrowing by small animals & people. The surface cobbles are all loose and many sherds are visible. A large bag of sherds was collected on the mounds. The mounds are surrounded by a field of very sparse, closely cropped grass. There are possibly 1 or 2 other flat structures in the vicinity but there was not enough time available to investigate fully, as the site was found at 2:15 and Heather and Ted had to be picked up.

4/27

Site 364

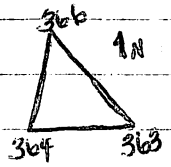
This site is located on the N side of the quebrada from 353, a little bit to the west. It is the southwest corner of a triangular grouping of three sites in one field. All of the mounds are covered in short thorny scrub 1-2' high, some of which has been recently cut down. There does not seem to be any regular use of the field. There is a large tree growing in the center of the site, which is roughly circular. The southern edge of the circle is right on the edge of the quebrada. There are 8-9 structures in the group, most of them ranging from 50 cm to 150 cm high. The rocks used in construction of the mounds are not rounded river cobbles, but are instead fairly angular and broken, and are usually between 15 and 30 cm across. Fairly well preserved.

Str. 1 - 1 m high, N side of circle
Str. 2 - 1.5 m high, very flat on top
Str. 3 - 1.5 m high, abutting str. 2
Str. 4 - 1 m high, tree growing on NE corner, S edge on quebrada
Str. 5 - 1 m high, stump and trunk of large tree on summit
Str. 6 - 75 cm high, toward center of circle, tree
Str. 7 - <50 cm high, stump on NE corner, outside circle to W
Str. 8 - 1 m high
Str. 9 - no elevation, dead structure on outside to W

Ground surface slopes down from W to E so structures higher from W side on E side of circle.

Site 363

Located on N side of quebrada from 353, in the same field as 364. It is the E point of the triangle formed by sites 364 and 366. They are also covered in short grass and scrub, with the remains of a large dead tree



scattered across the center of the site. The site has 4 structures arranged in a circle, the southern one being 50 cm high, the E & N ones 1 m high, and the W one 1.5 m high. They are constructed of rough, broken cobbles up to 30 cm across. The quebrada is located 30 m to the south, 354 is ≈100 m W, 366 125 m NW, and 353 250-300 m to the south.

Site 366.

366 is in the same field as 363 & 364 on the N side of the quebrada from 353. It consists of 2 structures, one 2 m high and the other 1 m high, on a slight rise to the N of 364, about 100 m N of the quebrada. Similar construction to 363 & 364. The ground is higher to the N than to the S so S faces of structures have more elevation. The smaller one has no elevation on the N. There are large trees all around and cut thorn scrub all over the mounds.

Measurements

Site	pt.	∡(°)	distance (m)
364	Str. 1-1	348°	7.26
	2	41°	8.18
	3	32°	14.55
	4	4°	9.28
	5	25°	8.71
	Str. 2-1	53°	7.62
	2	134°	6.34
	3	117°	14.05
	Str. 3 1	125°	14.06
	2	140°	7.37
	3	158°	10.97

P88-13-42

Measurements

Site 354 cont

pt.		∡ (°)	distance (cm)
Str. 4	1	157°	13.34
	2	183°	12.47
	3	182°	17.30
Str. 5	1	197°	12.68
	2	210°	15.33
	3	223°	13.16
Str. 7.	1	236°	12.59
	2	248°	11.67
	3	240°	7.53
Str. 6	1	230°	5.55
	2	205°	9.51
	3	174°	8.88
Str. 8	1	270°	10.69
	2	304°	10.41
	3	320°	5.98
Str. 9	1 pt	265°	14.06

Site 363

Str. 1	1	213°	12.66
summit pt	2	185°	12.82
SS.	2	176°	12.40
SS.	3	172°	10.06
	2	141°	6.61
	3	149°	12.37
Str 2	1	116°	8.46
	2	109°	14.23
	3	86°	14.55
Str. 3	1	42°	7.90
	2	32°	13.47
	3	328	8.73

Measurements

P88-13-43

Site 363 cont	pt.	∡ (°)	distance (m)
Str. 4	1	317°	7.94
	2	240°	7.89
	3	257	14.82

Site 360 - Sylvia's site

Str. 1	1	301	12.43
	2	306	6.26
	3	349	8.08
Str. 2	1	1	9.00
	2 corner str. 2&3	33	9.98
	3	24	15.20
Str. 3	1	51	15.19
	2	62	6.40
Str. 4	1	70	5.17
	2	95	10.74
	3	128	10.64
Str. 5/6	1	174	7.79
	2	175	12.12
	3	218	15.14
	4	272	11.17
	5	210	8.20
platform	1	196	9.03
	2	195	10.63
	3	233	10.08
	4	227	8.09
connector 1-2	A	337	13.18
	B	354	13.78
	C	354	10.54
connector 2-3	A	21	15.50
	B	44	15.08

cmmm

Measurements P88-13-44

Site 368

		pt.	∡(°)	distance (m)
	Str. 1	1	207	12.00
.75 m		2	144	12.38
		3	129	7.32
	Str. 2	1	114	16.45
no elev.		2	120	13.16
		3	89	11.52
	Str. 3	1	109	9.10
.75 m		2	124	4.68
		3	40	4.28
	Str. 4	1	2	8.78
1 m		2	323	11.53
		3	294	7.72

Site 368

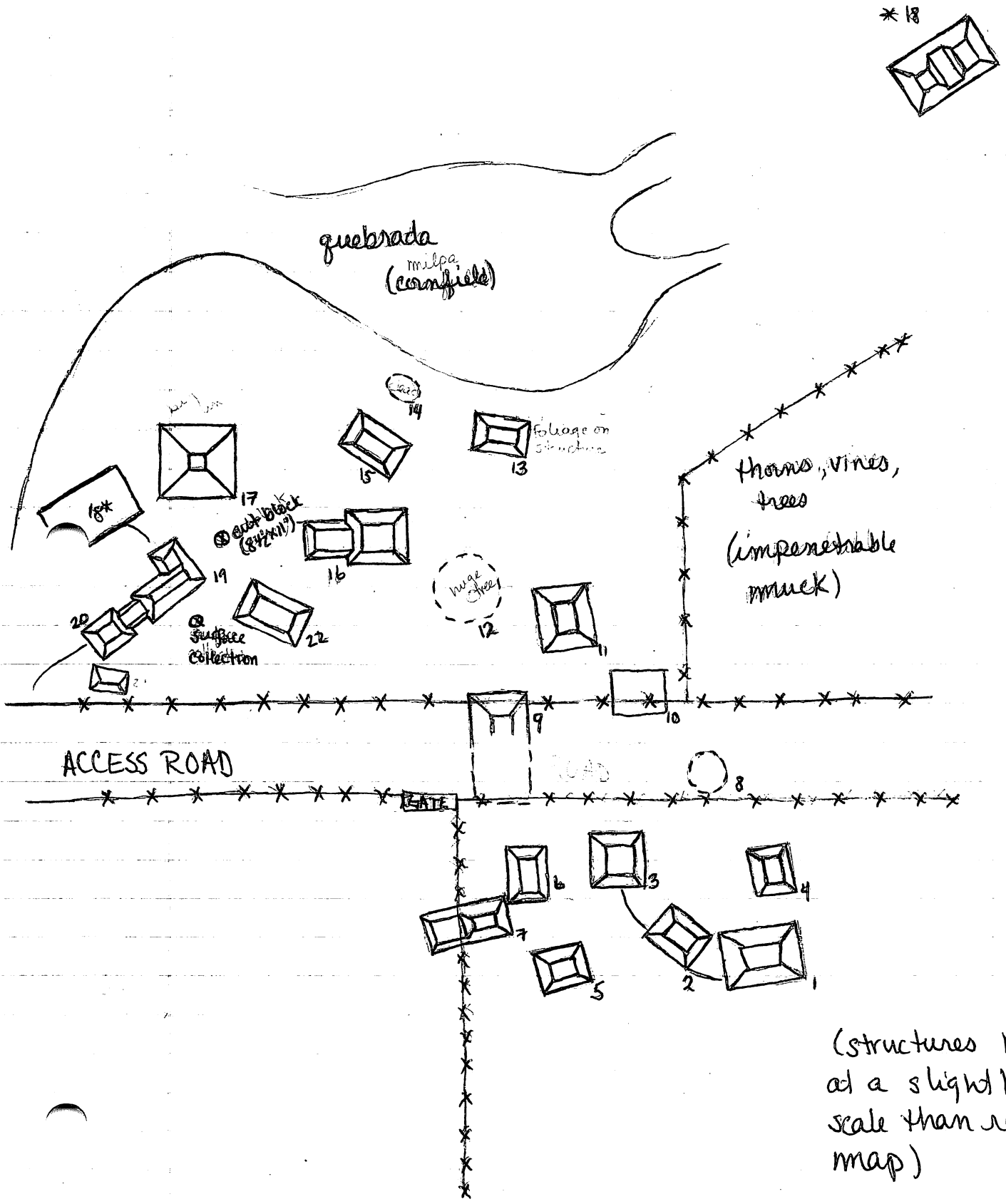
4 structures in the SW corner of a field. It is 350 m E of 360 along the same access road. The structures are built of medium sized cobbles. The land slopes from the NE to the SW. There is a quebrada 250 m to the N. The structures are covered in short grass and thorn scrub.

Duplicate

Site 370

N

P88 - 13 - 45



(structures 1-7 are at a slightly larger scale than rest of map)

P88-13-46

4/29/88 Site 370

Str. #1 - largest structure on S. side of road, approx 1m high, higher on S than N

Str. #2 - 75 cm

#3 - 75 cm

#4 - 75 cm

#5 - 35 cm

#6 - 50 cm

#7 - bi level, lower platform in next field, 30cm; summit 1m on S side

#8 - dead structure in road, 20cm high, 3m across

Str. 1-8 are on the S side of the access road to the woman with the pipe fragments. They are in 20cm grass & scrub & a sapling stand. All except #8 have trees. All construction is medium sized cobbles.

#9 - Southern part of mound gone, N still has 75cm elevation and visible wall lines & corners.

#10 - flat str. just on edge of fence line

#11 - a little hard to see due to 1m bushes, 75cm high.

#12 - a structure obliterated by a very large tree, size & shape ind.

#13 - S side of structure in dense thorns, N edge in cornfield 75cm high, 3m from edge of quebrada

#14 - dead structure ≈ 3m across, covered in corn, 2m from que.

#15 - 75cm high

#16 - bi level structure, summit 1m, platform 50cm

#17 - biggest str. in site, 3m high

#18 - 3 levels, W end highest (1m), E end (75cm) middle (50cm)

#19 - L shaped str. connected to #20, almost ground level on E side, 75cm on inside corner.

#20 - connected to 19, 75cm high

#21 - faces road, 50cm elevation only on south side

#22 - 50-75cm high.

Site 370 cont

All structures N of access road are covered in dense dead grass and bushes, making it difficult to see the shape at times. Construction is of medium size cobbles. Site 370 is located on the edge of a pool made by a quebrada that is now a cornfield, possibly an indication that water no longer runs in the quebrada. It is 750m N of 353 and 150 m E of 362. 368 is 100 m SW.

P88-13-48

5/9/88 Site 377

Site 377 is located on the W rim of a 5+m deep quebrada at the Southern periphery of the land owned by Wil Hernandez. It is in the second 3rd fields W of the main road to Suyapa. It is an elongated cluster of mounds, having (#12B) 2 at the north end separated from the rest by ≈ 75 m, and another fence line. The larger southern part of the site consists of 9-10 mounds, ranging in height from 1½ m to flat. The mounds themselves are covered 50-100cm high grass and scrub while the rest of the field is short pastureland. The land slopes up from the quebrada to the NW. Palm trees.

Several of the structures (#1, 2, 7) are built on the edge of the quebrada w/ walls that go partway down, but still having elevation on the side away from the quebrada.

Struct 6 - has a possible looters pit in the N side and has a connector to str. 5 on the W., 1m

Str. 1 - is on the very edge of the quebrada, no ele. away from it on N corner, 50cm on S corner

Str. 2 - also on bank, 50-75 cm eles. on W side, part of S edge of str. seems to be missing

Str. 3 - is a two level str. away from que. edge, lower part 35 cm high, upper part 75cm high

Str. 4 - has a fence running over the top, poss. connector to #3, higher on W edge than E (1m W, 30cm E)

Str. 5 - has 2 holes in the top (pos. from palm trees), 75cm

Str. 7 - on quebrada, 1m on W edge

Str. 8 - flat str. just to W of str. 7

Str. 9 - on fence line, 50 cm, Palm tree on NW corner

Str. 10 - on W side of fence, 1½ m high

Str. 11 - also W of fence, 1m high

5/9/88 Site 377 cont

Str. 12 - separated to N, flat str., in another field
Str. 13 - " " " , 50 cm , " " "

all structures fairly well preserved, exceptions noted above.
There is a modern house to the N about 100 m
There is another quebrada ≈ 100 m to the W of the site that runs NE/SW. Northern 2 structures (12, 13) are ≈ 40 m S.
Mounds 1-7 run in a ½ circle open on the quebrada, built up on inside.

Site 378

This site is located in the field just west of the main road to Suyapa on the land of W. Hernandez. There is a cattleyard immediately to the NW, along with a modern house. The field is covered in very short grass and 3-4 trees. There are 7 mounds, arranged in a rough circle. There is a quebrada that runs just N & W of the site.

Str. 1 - heavily disturbed, open pit on W side, top edges removed from N & E sides. 1½ m high, sherds met. fl.
2 - tree stump on SE corner, 75 cm on W side.
3 - hole on SE corner, 50 cm high.
4 - E side of top of mound gone, bare dirt showing w/ lots of small rocks, mano & metate frags, sherds, 75 cm
5 - small flat dead mnd.
6 - cm, staircase on W side, hole in top from tree. bits of green stone visible on surface
7 - low mnd (20 cm) of ind. shape

surface collection 378-A
378 is about 300 m NNE of 377

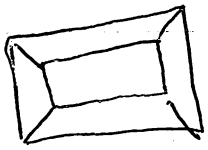
Site 379.

Consists of 1 mound 30 cm high in the next field N of 378 along the road. The mound is 2 m N/S & 3 m E/W. There are lots of small rocks exposed on the

5/9/88 Site 379, cont

surface of the mound, along with medium sized cobbles.

75. To the N is a natural rise with the Hernandez hacienda on top. The field is covered in short grass. There are green rocks visible in the mound. There is a quebrada 75m W.



5/10/88 Site 377 - measurements (compass/tape)

	Pt.	∡	distance (m)
str. 1	1	213° 15'	25.25
	2	206° 10'	19.42
	3	196° 40'	22.40
str. 2	1	184° 15'	20.29
	2	193° 35'	17.16
	3	174° 35'	12.95
wall	A	165° 10'	15.12
	B	141° 35'	15.37
str. 7	1	105° 25'	16.12
	2	74° 55'	14.62
	3	75° 55'	21.02
str. 8	1 pt	68° 25'	12.90
str. 9	1	49° 15'	14.64
	2	33° 25'	10.53
	3	35° 45'	19.63
str. 3	1	215° 40'	16.55
	2	224° 05'	20.56
	3	233° 00'	14.68
str. 4	1	240° —	13.38
	2	250° 55'	8.61
	3	273° —	12.51

P88-13-51

Site 377, cont

	pt.	∡	distance (m)
str. 10	1	310°20'	10.71
	2	340°05'	8.93
	3	343°45'	14.51
str. 12	1	358°05'	15.39
	2	355°10'	23.60
	3	18°40'	19.08

		M	B	I	h ∡	distance	V ∡
str. 12	1	1145	0660	1635	20°05'	9.25	200'
	2	1090	0640	1565	22°40'	92.5	
	3	1515	1045	1990	18°20'	94.5	
str. 13	1	1560	1055	2075	15°30'	102.0	
	2	~~1555~~ 1455	~~1155~~ 0960	~~2060~~ 1945	16°55'	98.5	
	3	1435	0925	1935	19°55'	101.0	

str. 5	1	271°55'	5.59
	2	223° –	6.27
	3	180° –	3.41
str. 6	1	16°25'	4.71
	2	62°10'	8.24
	3	112°20'	7.48

Site 378 - measurements

	pt.	∡	distance (m)
str. 1	1	170°35'	14.85
	2	161°55'	7.91
	3	221°20'	9.42
str. 7	1 pt.	287° –	9.45
str. 2	1	261°35'	17.27
	2	281 –	16.42
	3	279°50'	20.45
str. 3	1	298°50'	18.91
	2	299°20'	13.73
	3	316°30'	15.07

378, cont

5/9/88

	pt.	∡	distance (m)
str. 4	1	325° 30'	21.10
	2	331° 45'	15.68
	3	350° 10'	20.28
str. 5	1 pt	355° 30'	11.75
str. 6	1	44° —	12.62
	2	24° 25'	9.41
	3	80° 15'	5.40
stair	1	28° 25'	6.58
	2	43° 45'	5.10
str. 8	1 pt.	117° 05'	36. —

Site 362

Site 362 is located 200 m SW of 357 & 350 m S of 350. Site 378 is W across the road to Suyapa ≈ 150 m away. It is on the S rim of a quebrada. The site is covered in tall grass. ~~[illegible]~~ N

Str. 1 - faces off edge of quebrada, ≈ 1 m
Str. 2 - square structure also facing off queb., 50 cm
Str. 3 - rock concentration, take perimeter pts.
4 - dead structure, 3 x 3 m
5 - dead structure, 2½ x 3 m
5 ~~6~~ - 50 cm, very tumbled
6 ~~7~~ - 1 m on W side, lower on E
7 ~~8~~ - rock concentration

Construction is of large rough cobbles w/ green rocks visible occasionally. The land slopes down from the SE to NW. The site has been heavily disturbed.

P88-13-53

362- measurements

5/10/88

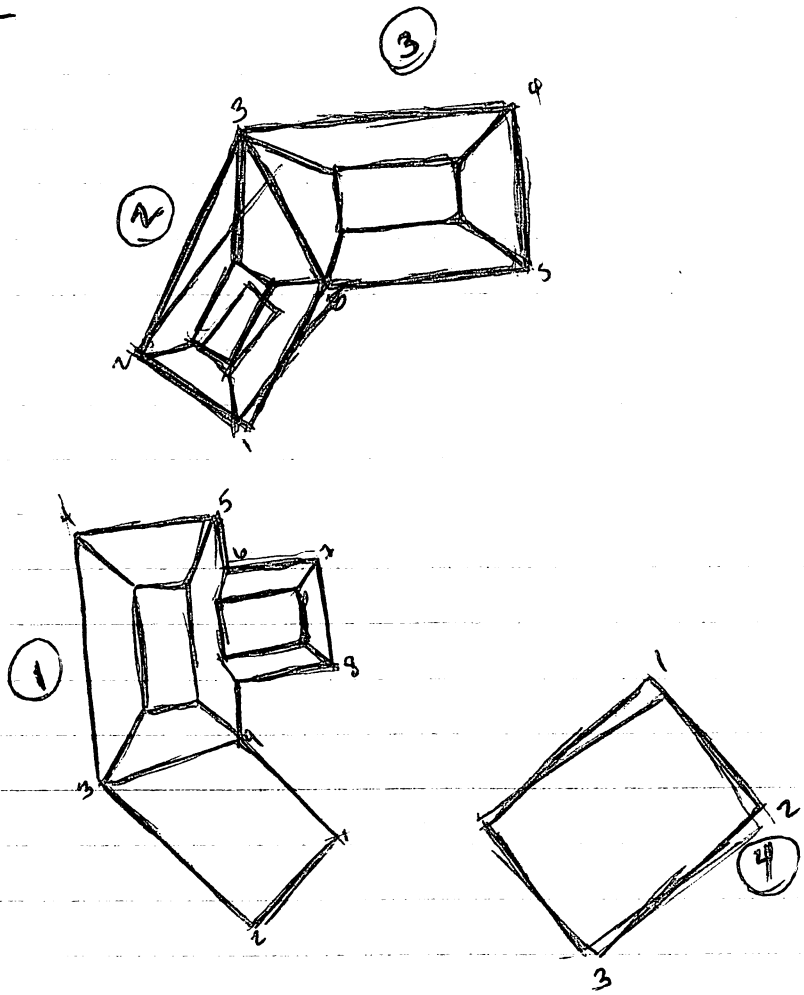
	pt.	∡	distance (m)
str. 1	1	283° 35'	8.55
	2	55° 40'	6.33
	3	27° 05'	11.14
str. 2	1	265° 30'	12.15
	2	253° 15'	16.37
	3	265° 40'	18.92
#5 & #3 rock con.	Wedge	250° 55'	21.20
combined	N edge	228° —	16.12
	E edge	203° 15'	22.03
	S edge	223 —	25.21
str. 4	1 pt.	234° 05'	30.13
str. 5	1	190° 45'	27.42
	2	178° 55'	26.61
	3	178° 15'	20.65
str. 6	1	171° 05'	16.92
	2	157° 25'	21.98
	3	138° 30'	20.84
str. 7	E edge	145° 10'	7.66
(rock con)	N edge	200° 55'	4.58
	W edge	217° —	11.00
	S edge	186° 40'	12.17

Formation is roughly circular with what may once have been a structure (#7) in the center.

N

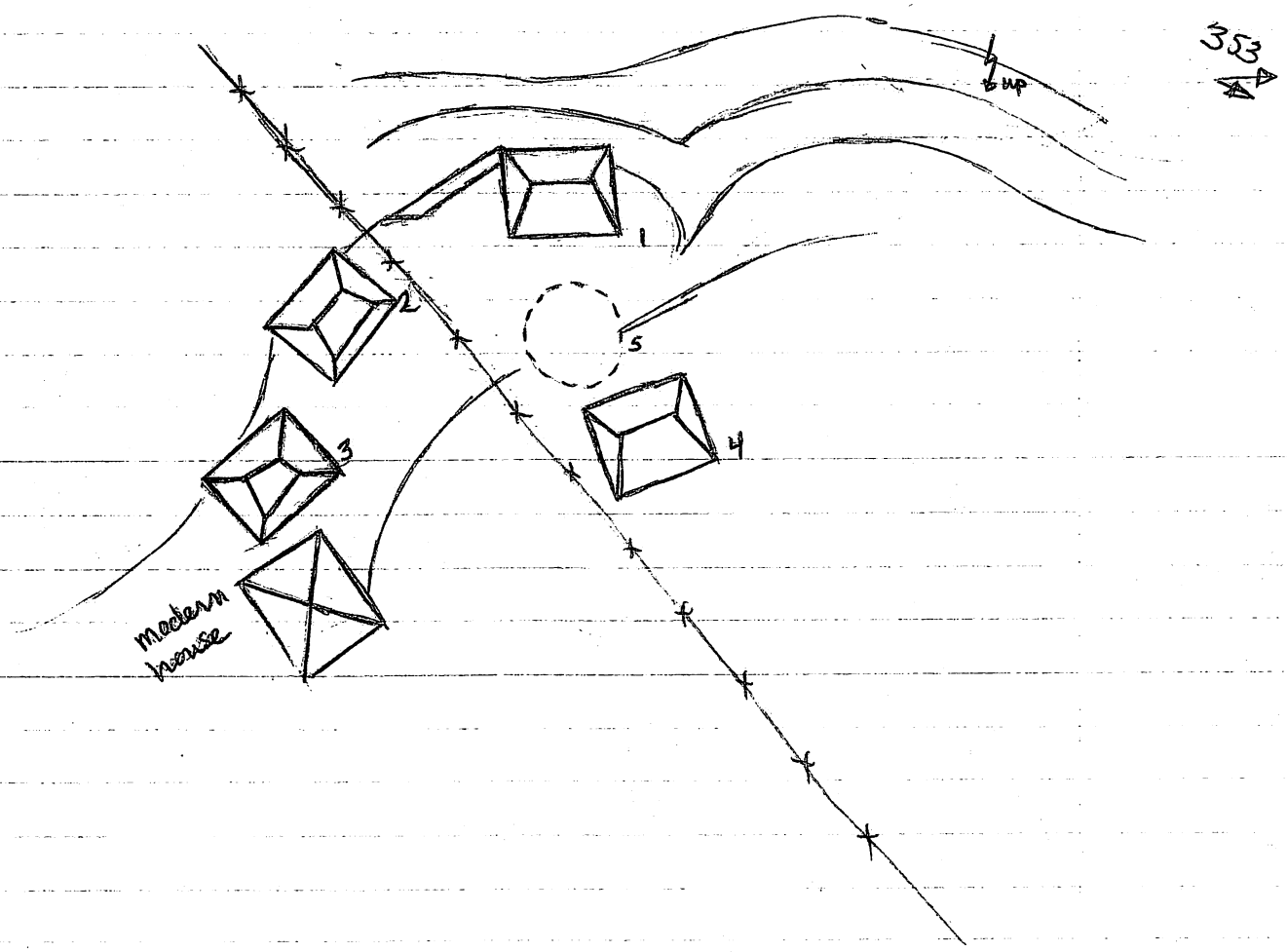
P88-13-54

380



P88-13-55

Site 381 - see notes for 353



P88-13-56

Site 374

		pt	M	B	T	dist	hx	v ∡
5/11/88	✓str. 6	1 ✓	3929	3868	3991	12.3	✓317° 09'	0°
		2 ✓	3947	3815	4085	27.0	✓308° 24'	↓
		3	43[illegible]4	4151	4473	32.2	✓305° 37'	
		4	4380	4201	4561	36.0	✓316° 46'	
		5	4061	3906	4217	31.1	✓321° 26'	
		6	4925	4726	5128	40.2	✓334° 41'	
		7	5075	4889	5264	37.5	340° 56'	
		8	2261	2138	2387	24.9	✓328° 26'	-4° 25'
		9 ✓	4653	4546	4760	21.4	✓339° 42'	0°
		elev. sum	2292					↓
		elev. ters.	3581					
	✓str. 11	1	4790	4548	5032	48.4	326° 07'	- 33'
		2	4800	4600	5014	41.4	327° 57'	"
		3	4411	4206	4615	40.9	311° 54'	"
		E	4152					"
	str. 10	1	4056	3887	4238	35.1	283° 35'	0
		2	4057	3825	4234	40.9	287° 58'	↓
		3	4006	3807	4218	41.1	281° 06'	
		E	3859					
	str. 8	1	3768	3627	3907	28	374° 12'	
		2	3615	3476	3854	37.8	260° 23'	
		3	3549	3387	3715	32.8	259 48	
		E	3172					
	str. 7	1	3489	3272	branch	43.4	260° 40'	
		2	3463	3268	3666	39.8	259° 09'	
		3	3616	—	3812	39.2	366° 34'	
		E	3251					
	str. 9	1	2647	2389	2898	50.9	267° 10'	-1° 35'
		2	2391	2137	2640	50.3	259° 25'	↓
		3	2052	2320	2603	28.3	258° 08'	
		E	2670					

IH - 1565 P88-13-57

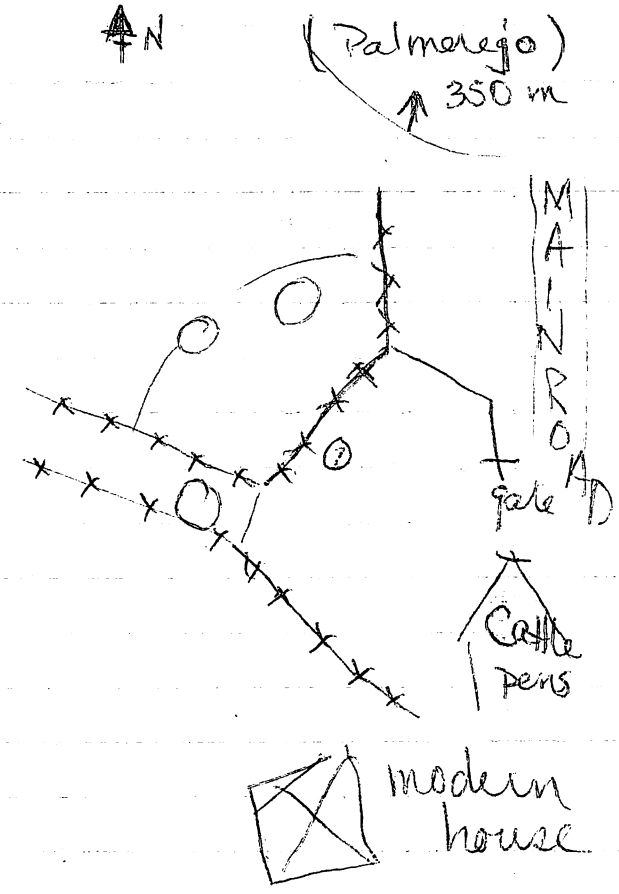
Site 374 cont

	pt.	M	B	T	dist.	h∡	v∡
str. 14	1	2904	2808	2995	18.7	85° 45'	0
	2	2677	2613	2749	13.6	100° 36'	↓
	3	3584	3536	3629	9.3	52° 55'	
	E	2195					
str. 3	1	2372	2248	2496	24.8	137° 30'	
no E	2	2507	2401	2612	21.1	137° 15'	
	3	2558	2450	2764	31.4	160° 12'	
str. 2	1	2441	2318	2569	25.1	117° 48'	
	2	2153	1981	2332	35.1	106° 45'	
	3	1894	1706	2075	36.9	111° 39'	
	E	1378					
str. 1	1pt (3m dia)	1772	1573	1972	39.9	108° 31'	
dead on str. 12	1pt (12m ⌀)	2108	1884	2332	44.8	96° 37'	
str. 13	1pt. (5m)	1614	1379	1850	47.1	122° 15'	
str. 17	(8 m)	1790	1554	2030	47.6	133° 40'	
str. 16	(4 m)	1856	1640	2078	43.8	143° 10'	
str. 15	1	1805	1649	1963	31.4	128° 20'	
	2	2093	1938	2251	31.3	141° 05'	
	3	2040	1854	2227	37.3	140° 10'	
	E	1570	~~1564~~				
str. 4	1	2564	2476	2652	17.6	155° 54'	
	2	2724	2646	2803	15.7	135° 28'	
	3	2668	2616	2720	10.4	137° 14'	
	E	1893					
connector 4 & 5	A	2362	2305	2421	11.6	158° 40'	
	B	2473	2421	2527	10.6	147° 02'	
	C	2347	2307	2387	8.0	151° 17'	
str. 5 (A) station here	1	2642	2603	2676	7.3	130° 18'	
	2	3765	3728	3809	8.1	32° 11'	
	3	3882	3834	3932	9.8	307° 52'	

P88-13-58

Site 349

Site 349 is located on the land of Jesus Paz, near the road through Palmerejo. It is 150 m NE of 376, (350 m N) being on the ridge facing the site of Palmerejo, which can be seen (those mounds that have been cleared) from the S. The site consists of 3, possibly 4 dead mounds, constructed of very rough medium sized cobbles. The Southernmost of the mounds is in an access road leading from the entrance yard to the rest of the farm.



P88-13-58

Site 371 1H-1485

5/11/88	pt	M	B	T	dist	h ∡	v ∡
~~Str. 7~~	1	4388	4139	4736	59.7	0° 54'	0
	2	3277	2961	3588	62.6	1° 25'	
	3	4371	4061	4678	61.7	355° 19'	
	E	3107					
~~Str. 6~~	1	2720	2433	3018	58.5	4° 09'	
	2	2582	2339	2837	49.8	2° 40'	
	3	2314	2061	2567	50.6	7° 40'	
~~Str. 4~~	1	2168	2046	2288	24.2	356° 50'	
	2	3121	3007	3240	23.3	342° 33'	
	3	3928	3788	4082	29.4	339° 54'	+ 13° 05'
	E	2080					
~~Str. 1~~	E	1798					
	1	2862	2762	3005	24.3	27° 15'	
	2	2364	2241	2489	24.8	45° 12'	
	3	3585	3413	3728	31.5	46° 09'	
Str. 2	E	~~[illegible]~~ 0741	~~[illegible]~~				
	1	1351	1254	1439	18.5	46° 47'	~~[illegible]~~
	2	1268	1198	1332	13.4	47° 03'	
	3	1233	1157	1318	16.1	74° 31'	
~~Str. 3~~	E	2623					+ 12° 00'
	1	3125	2948	3234	28.6	87° 22'	
	2	3004	2852	3111	25.9	103° 57'	
	3	5754	5585	6041	95.6	107° 48'	
5/12/88 ~~Str. 9~~	1	3098	3001	3196	19.5	165° 38'	0
	2	5245	5130	5367	23.7	179° 04'	
	3	5036	4902	5172	27.0	166° 07'	
	#4	3224	3104	3331	22.7	159° 15'	
Str. 28	1pt.	2998	2778	3212	43.4	109° 42'	+ 7° 30'
~~Str. 29~~							

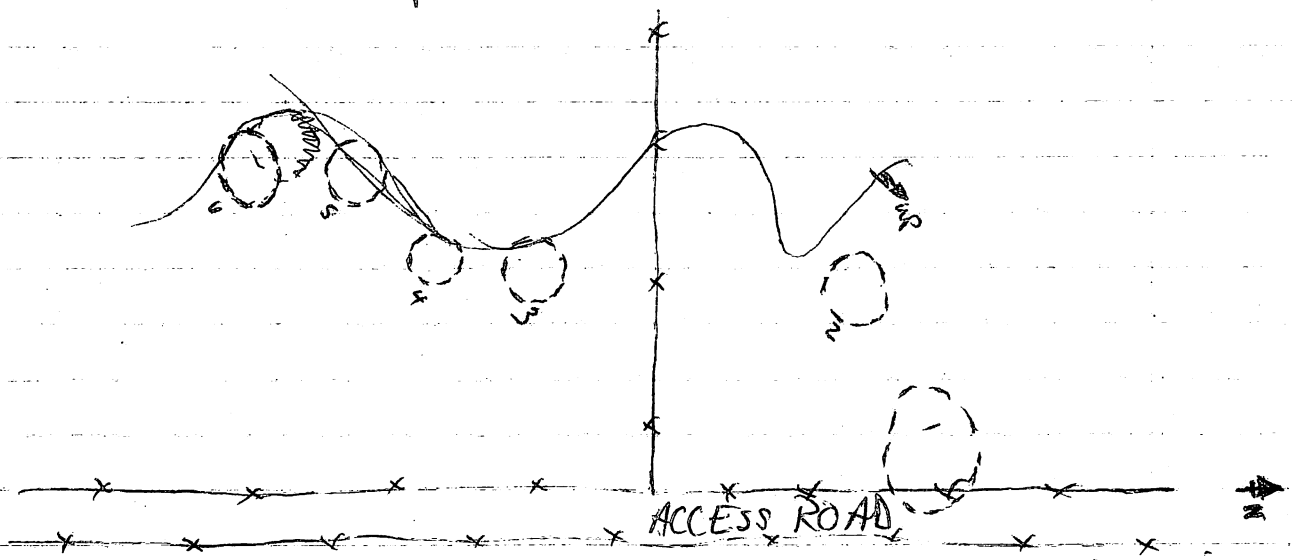
P88 - 13-59

Site 371, cont

	Pt.	M	B	T	dist	h ∡	v ∡
~~Str. 28~~	1	4127	3870	4419	54.9	104° 46'	+ 7° 30'
noE	2	5040	4758	5322	56.4	104° 16'	"
	3	5284	5016	5621	60.5	93° 15'	+ 9° 00'
~~Str. 30~~	1	4395	4138	4659	52.1	109° 23'	+ 7° 30'
noE	2	3582	3352	3801	44.9	110° 05'	"
	3	5537	5313	—	44.8	116° 03'	"
~~Str. 11~~	1	5098	4699	5317	61.8	144° 04'	- 3° 08'
	2	7039	6718	off top of rod	64.2	149° 51'	"
noE	3	5279	4843	5638	79.5	144° –	- 4° 10'
	4	3645	—	4034	77.8	139° 20'	
~~Str. 12~~	1	3248	2986	3517	53.1	174° 22'	- 8° 11'
	2	3965	3720	4218	49.8	180° 58'	
	3	4838	4552	5136	58.4	185° 10'	
	E	2908					
~~Str. 13~~	1	5756	5428	5985	55.7	199° 38'	
noE	2	6566	6291	6845	62.6	202° 16'	
	3	6629	6357	6884	52.7	205° 22'	
~~Str. 14~~	1	3735	3372	4017	64.5	216° 21'	- 12° 00'
	2	4218	3907	4605	69.8	220° 08'	
	3	3433	3086	3849	76.3	216° 38'	
~~Str. 15~~	1	2729	2379	3091	71.2	212° 21'	
	2	3278	2906	3687	78.1	214° 08'	
	3	2920	2510	3335	~~58.5~~ 82.5	209° 38'	
$T_1 \to T_2$		2153	1781	2506	72.5	210° 05'	
						30° 05'	
Str. 8	1	1881	1538	2215	71.3	28° 52'	+ 12° 21'
	2	1000	0681	2317	63.6 *	35° 15'	
	3	0958	—	1334	75.2	36° 50'	
$T_2 \to T_3$		1526	1000	2068	106.8	203° 16'	- 2° 55'
						23° 16'	

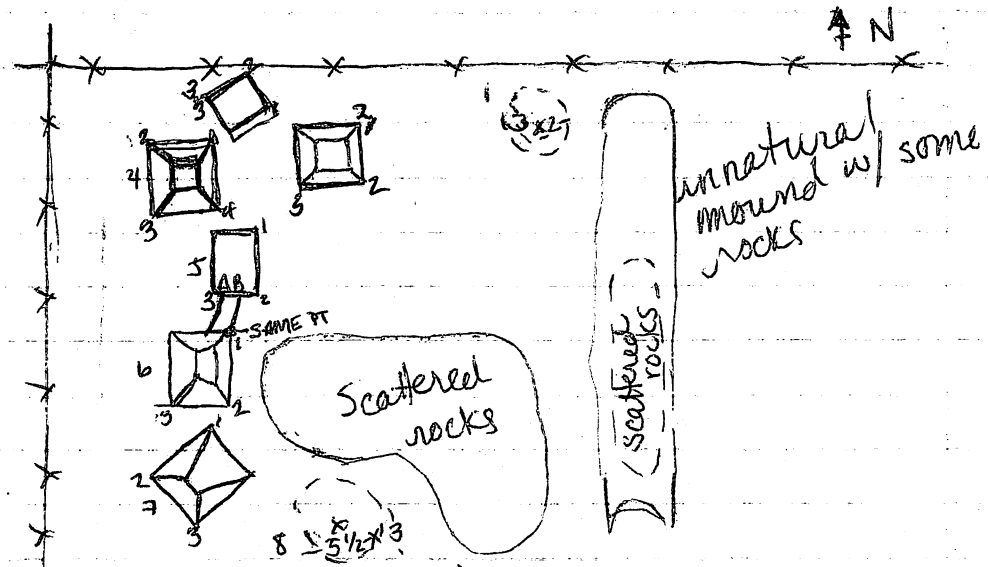
P88-13-59

Site 347 - sketch map



This site consists of 6 dead mounds running on a line N-S on the E bank of a quebrada. It is located on the property of Will Hernandez, about 200m W of the main road to Suyapa and 50 m S of the road from the main entrance to the property. It is in two pastures of very short grass, and seems to have been constructed of medium sized cobbles.

Site 346



This site is located two fields (150m) W of 347. It consists of 6 mounds in fair state of preservation, 2 dead ones and a lot of scattered rock. The 6 remaining mounds

P88-13-60

Site 371

	Pt.	M	B	T	dist	h ∡	V ∡
~~Str. 16.~~	E	0622					+4°00'
	1	3203	3118	3297	17.9	98°20'	
	2	2808	2715	2902	18.7	66°18'	
	* 3	1797	1700	1777	7.7	58°20'	
	4	1810	1773	1847	7.4	101°47'	
~~Str. 17~~	* 1	1744	1701	1786	8.5	47°30'	
	* 2	1837	1793	1886	9.3	22°51'	
	3	2179	2046	2191	14.5	25°54'	
	4	2070	1993	2148	15.5	47°40'	
	E	1188					
~~Str.~~ connector 16-17		1641	1576	1707	13.1	54°02'	
~~16-17 → 18~~		1957	1891	2022	13.1	19° —	
~~Str. 18~~ *	1	1897	1844	1946	10.2	9°37'	
	2	2386	2230	2335	10.5	341°50'	
	3	3570	3482	3663	18.1	348°52'	
	4	3095	3010	3182	17.2	9°51'	
	E	1770					
~~Str. 20~~	1	2830	2754	2904	15.0	335°21'	
	2	4713	4619	4839	22.0	331°45'	
	3	4863	4746	4978	23.2	312°50'	
	4	3480	3399	3564	16.5	307°22'	
	E	2961					
~~Str. 21~~	1	2503	2400	2607	20.7	289°37'	0 —
	2	2395	2307	2484	17.7	301°33'	
	3	3128	3014	3238	22.4	307°49'	
~~Str. 19~~	1 pt	2577	2461	2695	23.4	280°43'	
~~Str. 22~~	1 pt.	3337	3278	3595	31.7	276°41'	
Str. 23	E	3514					
	1	5721	5485	5968	48.3	276°32'	
	2	5245	5017	5492	47.5	265°45'	
	3	4104	3898	4312	41.4	264°57'	

346, cont.
are arranged in a linear fashion and may once have been a circle, with the E side of it now obliterated. There is a manmade ridge running N-S through the middle of the field that has exposed rocks in it. All the structures are constructed of medium to large size cobbles, same as all the other rocks in the area.

A Site 345

Consists of 2 dead structures in a field 150m WNW of 346. It is on the N side of the access road that comes straight W from the main entrance. The structures were constructed of medium size cobbles and overlook a very slight ridge, facing W.

Site 342

One large (7m) dead mound 50m S of 372. Mound is 1/2 m hig on E side 1m on W. It is in a field on the N edge of the property of Ephriam Lahr, which is covered in short grass.

P88-13-61

Site 371, cont

	Pt.	M	B	T	dist	h ∡	V ∡
~~Str. 24~~	E	2961					0
	1	3305	3127	3479	35.2	259° 42'	
	2	3521	3341	3706	36.5	352° 21'	
	3	4341	4127	4675	54.8	254° 40'	
~~Str. 25~~	1	1478	1428	1527	9.9	261° 10'	
	2	1503	1453	1554	10.1	274° 47'	
	3	1852	1786	1920	13.4	272° 58'	
~~Str. 26~~	1	1683	1635	1742	10.7	179° 02'	
	2	1318	1290	1348	5.8	181° 10'	
	3	1337	1288	1387	9.9	230° 24'	
Str. 27	1	1299	1256	1344	8.8	165° 28'	345.28
	2	1281	1234	1332	9.8	137° 43'	317.43
	3	2242	2172	2312	14.0	144° 55'	324

Site 350

	Pt.	M	B	T	dist	h ∡	V ∡
Str. 5	1	3918	3748	4083	67.0 (x2)	197° 10'	0
	2	4035	3869	4189	64.0	207° 47'	
	3	3892	3701	4087	77.2	206° 46'	
	E	3357					

Plan Pts. - 261 IH-1595 Scope ∡ 6°34'

5/19/88

	Pt.	∡	distance (m)	middle
M	✓1	33°19'	17.183	3632
	✓2	34°39'	16.338	3519
	✓3	38°48'	18.252	3382
	✓4	40°25'	17.355	3217
	✓5	36°40'	17.217	4259
J.	✓1	40°12'	16.372	3216
	✓2	36°49'	15.705	3355
	✓3	39°45'	15.483	3666
	✓4	40°44'	15.776	3644
	✓5	43°36'	14.458	3483
	✓6	48°35'	14.240	3274
	✓7	49°40'	13.825	3192
	✓8	50°50'	13.608	2554
	✓9	45°26'	12.271	2871
	✓10	42°03'	12.983	3052
	11	43°30'	13.459	2984
H	✓1	114°32'	11.468	2164
	✓2	119°25'	11.985	2104
	✓3	117°37'	11.596	2719
	✓4	118°39'	11.187	2642
	✓5	120°25'	9.628	2365
	✓6	124°53'	10.193	2417
O	✓1	120°37'	12.662	2005
	✓2	127°58'	14.111	2132
	✓3	125°51'	13.415	2821
	✓4	127°44'	13.057	2803
	✓5	124°04'	12.587	2719
	✓6	123°18'	11.916	2225
	7	130°51'	13.279	2410

Plan Pts. - 261 (str. 3)

	pt.	∡	distance (m)	middle
I	1	137°32'	18.074	2746
	2	139°20'	18.935	2970
	3	143°34'	16.942	2918
	4	144°43'	17.898	3027
	5	140°38'	18.118	3769
F	1	82°37'	6.538	2228
	2	91°55'	6.561	2280
	3	86°37'	9.948	2877
	4	90°22'	9.951	2706
	5	86°53'	10.757	2432
	6	90°47'	10.695	2370
	7	90°48'	11.138	1957
	8	86°58'	11.115	2227
	9	85°51'	11.478	1773
	10	91°42'	11.354	1734
N	1	86°10'	11.886	1628
	2	91°34'	11.825	1630
	3	87°20'	12.110	1812
	4	89°55'	12.158	1752
	5	87°26'	12.658	1768
	6	89°51'	12.680	1691
	7	87°17'	13.376	1401
	8	90°—	13.374	1315
	9	87°43'	14.405	1154
	10	90°16'	14.332	1119
	11	88°25'	15.654	1045
	12	90°17'	15.583	0978
	13	90°—	16.097	0913
	14	87°47'	16.274	0831
	15	90°15'	16.335	0795
	16	88°10'	17.186	0794

Plan Pts. -261

pt.	∡	distance(m)	middle
N 17	90°10'	17.122	0575
18	87°45'	17.863	0329
19	91°21'	17.725	0259

	M	B	∇	d	∡
π_1 to π_2	5744	5529	5937	408	123°50'
					30°50

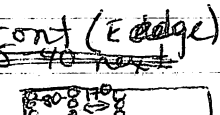
1H2 - 1560

K 1	352°28'	17.956	3580
2	352°06'	16.802	3472
3	346°32'	18.197	3722
4	345°50'	17.459	3718
5	344°43'	17.580	3578
6	344°40'	15.348	3006
7	341°35'	15.626	2762
8	344 —	17.497	3028
9	342°33'	17.844	2765
10	343°42'	18.745	2878
11	346°57'	17.214	3332
L 1	356°08'	37.675	4261
2	356°25'	36.662	4175
3	353°08'	36.927	4586
4	348°15'	37.028	2718
5	348°35'	35.908	2622

Δ scope ∡ to 3° —

P88-13-6~~9~~4

N/4
P/1
L/12
I/12

306 L/12 - square 6, 0-25 BGS, at ~~Front (E edge)~~ at E edge ~~25-40 next~~ of square is a possible wall, also on W edge (80cm) 

306 L/13 - square 7, 0-20 cm BGS on summit
306 L/14 - Square 7, 20-40 BGS, on summit behind Egypt
L/15 45/60

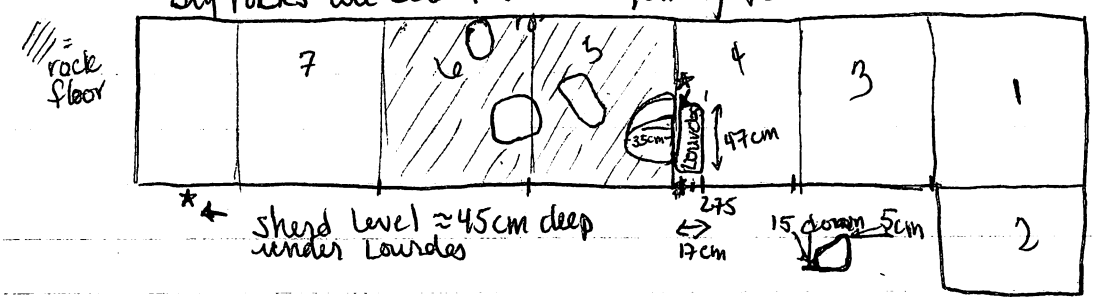
306 N/5 - 20-45 square 3 no rocks
306 N/6 - 45-80 square 3 still no rocks, ≈4 sherds obsidian ?
306 N/7 - 0-20 BGS square 4 some rocks
306 N/8 - 20-40 BGS square 4
306 N/9 - 60-80 Square 3 → ½ square 4

306 Ø/5 - down to 20-80 EMPTY 5/20
306 Ø/6 - ~~next~~ square up (3) 0-30 BGS
306 Ø/7 - Sqre 3, 30-60 BGS Bone
306 Ø/8 - square 4, 0-20 BGS

P88-13-65

5/23/88

306 N/10 - square 5 0-20, small rock floor
/9 - cont. from 5/20, includes all of sq. 4 to 80
N/11 - square 6 0-40 BGS rock floor continues
big rocks are closest we are getting to walls



306 ϕ/9 - 20-80 BGS, square 4
306 ϕ/10 - 0-20, square 5
?(306 ϕ/11 - ~~20-40, square 5~~

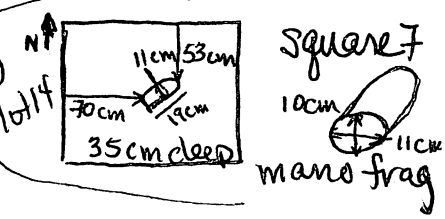
306 L/15 - 40-60 square 7
/16 - 60-80 " Some pink chalk
306 L/17 - 80-100 BGS "
/18 - 100-120 BGS

306 N/12 - Square 5, 20-40 BGS, removing small rocks to find possible wall running W of Lourdes

5/24/88 — 306 N/13 - square 7, 0-20 cm BGS

obsidian — 306 N/14 - square 7, 20-40 cm BGS (mano)

P88-13-66



306 N/14 — N/15 square 7, 40-60 cm, clearing through small rocks again

L/18 — N/15 — N/16 - clearing removing through rocks, squares 5 & 6, 40-60

N/16 — N/17 - square 7, clearing through rocks, 60-80 cm BGS

306 Ø/11 - redefined, 0-15 cm BGS, square 6, to rocks clearing through rocks in squares 5 & 6

306 Ø/12 - clearing rocks in square 5, 15-35 cm BGS

306 T/1 - Structure 15, first square off base of structure, 0-20 cm BGS trench will run from S edge of structure N to top

~~306 T/2 - 20-40 cm BGS, square 1 cont~~

finished — 306 L/18 - cont. from 5/23, 100-120 cm BGS (small bag in big bag) NACO BIRD SHERD

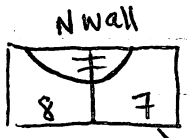
~~306 L/19 - 120-140 cm BGS square 7 on summit behind EGYPT~~

306 L/19 - 120-130 cm BGS square 7

P88-13-67

5/25/88

306N/18 - square 8, 0-20 cm BGS EMPTY LOT
306N/19 - square 8, 20-40 cm BGS
NW corner of square 7 & NE corner of square 8 have a layer of light red soil mixed w/ ash layers
bottom 5-10cm of 306N/19 had mostly jute, few sherds
306N/20-40-60cm BGS square 8



finished

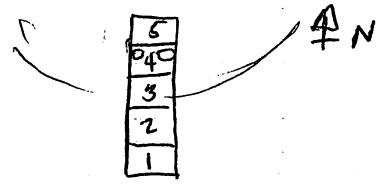
finished

306Φ/13 - square 7, 0-20 cm BGS, on uphill side of wall
/14 - square 7, 20-40 cm BGS

306T/2 - square 2, 0-20 cm BGS
306T/3 - Square 2, 20-40 cm BGS
306T/4 - Square 3, 0-20 cm BGS on structure
306T/5 - square 3, 20-40 cm BGS

P88-13-68

5/25/88 306T/6 - square 4, 0-20 cm BGS, 3 sherds
306T/7 - square 4, 20-40 cm BGS, wall poss. EMPTY LOT
306T/8 - square 5, 0-20 cm BGS
306T/9 - square 5, 20-40 cm BGS



Plan Pts - OPs 3016 M, P, K, F

P88-13-69

5/25/88	pt. M	middle B	distance (m) I	d.	h ∡	V∡ = ±30'
K × 1	1770	1617	1927	31.0	296° 28'	↓
× 2	1767	1601	1926	32.5	298° 40'	
× 3	1006	0815	1198	38.3	295° 20'	
4	1582	1421	1748	32.7	309° 41'	
5	1160	0984	1334	35.0	309° 56'	
6	0778	0591	0964	37.3	309° 09'	
7	1324	1142	1507	36.5	326° 42'	
8	0973	0776	1167	39.1	326° 03'	
9	0677	0465	0889	42.4	326° 36'	
10	1368	1145	1590	44.5	348° 40'	+ 1° 30'
11	1001	0764	1237	47.3	347° 56'	"
12	0492	0244	0739	49.5	347° 02'	"
31	1809	1651	1968	31.7	289° 23'	+ 30'
32	1405	1235	1574	33.9	290° 08'	↓
33	1112	0930	1293	36.3	290° 45'	
M, P × 13		1318	8.814		33° 43'	
× 14		0676	11.556		45° 08'	
× 15		0653	12.278		42° 23'	
× 16		0687	14.458		49° 04'	
× 25		0627	13.385		57° 01'	
× 26		0390	12.525		55° 40'	
× 17		0964	12.062		63° 24'	
× 18		1164	13.135		63° 53'	
× 19		1421	13.097		68° 10'	
× 20		1409	11.982		68 31'	
× 21		1463	11.819		72° —	
× 22		1382	10.860		72° 51'	
× 34		1146	10.944		63° 36'	
× 27		1114	10.353		60° 07'	
× 28		1118	9.100		55° 02'	
× 29		1177	8.798		49° 38'	
× 30		1229	8.928		45° 29'	

Plan pts. 306 K, M, P, F

P88-13-70

V ∡ = 30'

Pt.	middle	distance (m)	hz ∡
23	1208	8.965	43° 53'
24	1328	8.226	39° 10'
35	1061	9.840	50° 15'
36	1060	9.914	53° 27'
37	1389	10.418	44° 49'
38	1327	10.188	46° 54'
39	1268	10.355	53° 38'
40	1314	10.578	55° 45'
41 ★	1338	11.402	59° 05'
42	1284	11.875	60° 02'
43	0817	11.050	44° 24'
44	0785	10.882	46° 37'
45	0842	10.545	48° 23'
46	0737	10.793	52° 25'
47	0631	11.000	54° 30'
48	1042	10.832	56° 18'
49	0852	11.182	56° 48'
50	1042	11.351	57° 41'
51	0667	11.537	57° —
52	0637	11.985	57° 58'
53	0637	12.132	55° 09'
54	0725	11.618	56° 35'
55	0829	11.361	55° 03'
56	0654	11.550	54° 10'
57	0540	12.358	55° 32'
58	0576	11.645	53° 24'
59	0641	11.167	50° 55'
60	0528	12.594	55° 20'
61	0424	11.345	51° 15'
62	0576	11.543	46° 42'
63	[redacted] 0614	13.675 [redacted]	47° 35'
64	0284	12.308	51° 53'

			★

Plan Pts, Ops 306 M, P, K, F — P88-13-70

Op 306 F	pt	middle	distance	H	V
\	1	1134	13.320	218° 02'	
\	2	1876	12.612	233° 27'	
\	3	1747	9.478	232° 14'	
\	4	1753	8.080	241° 57'	
\	5	1748	7.205	237° 27'	
\	6	1654	8.382	226° 46'	
\	7	1467	8.215	218° 40'	
\	8	1523	8.586	215° 14'	
\	9	1471	8.011	216° 06'	
\	10	1634	8.372	197° 53'	
\	11	1700	10.161	186° 31'	
\	12	0601	12.583	201° 55'	
\	13	0672	10.803	213° 47'	
\	14				
\	15 a	1615	12.642	226° —	
	b	1989	12.603	228° —	
	16	1547	11.024	225° 50'	
	17	1581	10.170	223° 39'	
	18	1476	9.500	218° 39'	
	19	1328	9.332	215° 20'	
\	20	1432	9.244	212° 32'	
	21	1395	9.168	209° 39'	
	22	1367	9.437	204° 15'	
	23	1570	9.706	198° 40'	
	24	1678	11.052	195° 42'	
	25	1348	9.613	203° 12'	
	26 a	1393	9.455	207° 54'	
	b				
	27	b 1603/27 1337	b 9.025/27 9.389	26b 211° 31'/27 213° 06'	
	28	1251	9.547	216° 41'	
	29	1453	10.865	224° 21'	
	30	1283	9.718	206° 30'	
	31	1172	9.596	211° 55'	
	32	1171	9.780	215° 35'	

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Plan Pts OPs 306 M,P,K,F P88-13-72

5/25/88 306F	pt	middle	distance	h ∡	v ∡ = +30'
	33	1254	10.356	221°28'	
	34	1244	10.162	217°18'	
	35	1175	9.957	208°30'	
	36	1011	10.475	207°16'	
	37	0999	10.158	209° —	
	38	0883	10.135	213°10'	
	39	0930	10.625	216°52'	
	40	1023	11.301	219°15'	
	41	0725	10.668	213°45'	
	42	0757	10.482	209°32'	
	43	0707	10.627	209°05'	
	44	1477	8.312	220°25'	
	~~45~~				
	34.5	1065	9.819	213°08'	
	35.5	0986	11.135	202°40'	
	24.5	1608	11.134	196°41'	
→	∡ to tree			29°02'	
→	IH = 1555				

Plan Pts. - OP 123Y P88-13-78

pt.	distance (m)	middle	hz	vz
1	12.06	2452	51°54'	0 —
2	11.38	1344	62°14'	⇓
3	11.28	1123	64°10'	
4	13.59	1200	65°40'	
5	16.13	1367	66°56'	
6	16.37	1617	74°27'	
7	16.43	1675	77°48'	
8	16.12	1530	71°07'	
9	14.49	1352	70°49'	
10	14.59	1403	74°28'	
11	11.28	0760	70°39'	
12	11.00	0761	70°32'	
~~13~~	~~[illegible]~~	SKIP		
14	10.42	1210	62°16'	
15	10.23	2168	53°59'	
16	10.25	2218	51°07'	
17	8.07	2248	44°26'	
18	9.25	2369	45°35'	
19	6.48	2285	33°40'	
20	6.23	2005	38°18'	
21	5.96	1370	46°50'	
22	4.70	1939	39°19'	
23	3.89	1507	32°42'	
24	5.27	2135	30°18'	
25	4.91	2651	17°44'	
26	5.05	2669	18°38'	
27	6.71	3089	8°04'	
28	6.86	3062	12°42'	
29	3.17	1164	47°45'	
~~30~~				
57	5.54	2794	15°47'	

1	[illegible]	[illegible]	[illegible]
2	[illegible]	[illegible]	[illegible]
3	[illegible]	[illegible]	[illegible]
4	[illegible]	[illegible]	[illegible]
5	[illegible]	[illegible]	[illegible]
6	[illegible]	[illegible]	[illegible]
7	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]
10	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]
16	[illegible]	[illegible]	[illegible]
17	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]

Plan Pts. – OP123Y

P88-13-79

pt.	distance (m)	middle	h ∡	V ∡
30	7.12	0783	69 —	0 —
58	5.25	0733	70 —	↓
31	3.68	0942	67°20'	
32	1.65	1645 approx	279°15'	
33	.78	1580 approx	279°15'	
34	1.77	1590	237°15'	
35	3.54	1896	191°40'	
36	5.34	2062	184°03'	
37	5.26	2393	173°40'	
38	4.35	2150	180°23'	
39	11.36	1783	93°08'	
40	11.91	2146	99°55'	
41	12.10	2387	101°57'	
42	12.19	2766	103°30'	
43	12.62	3282	107°09'	
44	11.72	3433	110°03'	
45	11.34	2856	106°43'	
46	11.09	2356	104°16'	
47	11.02	1235	102°30'	
48	10.83	1948	99°41'	
49	8.95	1758	96°20'	
50	12.13	1300	73°41'	
63	10.57	0729	71°20'	
64	10.89	1648	76°55'	
65	8.38	0719	75°35'	
66	8.34	0780	70°07'	
51	6.83	1311	72°36'	
52	11.09	2800	49°25'	
59	10.10	1210	89°31'	
60	9.96	1325	91°37'	
61	8.94	1242	93°25'	
62	8.96	1068	91°10'	

30	3.12	0.782	0.1
31	5.08	0.742	0.4
32	5.25	0.732	0.5
33	5.38	0.712	0.6
34	5.48	0.702	0.7
35	5.58	0.692	0.8
36	5.68	0.682	0.9
37	5.78	0.672	1.0
38	5.88	0.662	1.1
39	5.98	0.652	1.2
40	6.08	0.642	1.3
41	6.18	0.632	1.4
42	6.28	0.622	1.5
43	6.38	0.612	1.6
44	6.48	0.602	1.7
45	6.58	0.592	1.8
46	6.68	0.582	1.9
47	6.78	0.572	2.0
48	6.88	0.562	2.1
49	6.98	0.552	2.2
50	7.08	0.542	2.3
51	7.18	0.532	2.4
52	7.28	0.522	2.5
53	7.38	0.512	2.6
54	7.48	0.502	2.7
55	7.58	0.492	2.8
56	7.68	0.482	2.9
57	7.78	0.472	3.0
58	7.88	0.462	3.1
59	7.98	0.452	3.2
60	8.08	0.442	3.3
61	8.18	0.432	3.4
62	8.28	0.422	3.5
63	8.38	0.412	3.6
64	8.48	0.402	3.7
65	8.58	0.392	3.8
66	8.68	0.382	3.9
67	8.78	0.372	4.0
68	8.88	0.362	4.1
69	8.98	0.352	4.2
70	9.08	0.342	4.3
71	9.18	0.332	4.4
72	9.28	0.322	4.5
73	9.38	0.312	4.6
74	9.48	0.302	4.7
75	9.58	0.292	4.8
76	9.68	0.282	4.9
77	9.78	0.272	5.0
78	9.88	0.262	5.1
79	9.98	0.252	5.2
80	10.08	0.242	5.3
81	10.18	0.232	5.4
82	10.28	0.222	5.5
83	10.38	0.212	5.6
84	10.48	0.202	5.7
85	10.58	0.192	5.8
86	10.68	0.182	5.9
87	10.78	0.172	6.0
88	10.88	0.162	6.1
89	10.98	0.152	6.2
90	11.08	0.142	6.3
91	11.18	0.132	6.4
92	11.28	0.122	6.5
93	11.38	0.112	6.6
94	11.48	0.102	6.7
95	11.58	0.092	6.8
96	11.68	0.082	6.9
97	11.78	0.072	7.0
98	11.88	0.062	7.1
99	11.98	0.052	7.2
100	12.08	0.042	7.3

IH 1520

P88 Pts - OP 123Y P88-13-80

pt.	distance (m)	middle	hz	vz
53	11.20	2832	47°42'	0
54	11.23	2862	45°35'	↓
55	11.11	2938	42°26'	
56	10.82	2876	42°33'	
67	5.99	1968	52°12'	
68	5.30	1917	48°06'	
69	5.20	1884		

OP 123 EE, DD, GG, JJ

1	8.05	2999	292°10'
2	8.05	3068	288°04'
3	8.64	3012	286°40'
4	8.59	3010	285°08'
5	8.78	2958	291°10'
6	10.38	2998	288°40'
7	10.81	2603	287°30'
8	11.00	3066	261°08'
9	10.63	3430	261°35'
10	10.83	3384	260°10'
11	11.08	3400	259°04'
12	11.21	3350	259°05'
13	12.20	2349	287°08'
14	12.12	2305	284°35'
15	12.14	2143	284°07'
57	10.40	3497	263°37'
16	12.35	2281	284°59'
17	12.75	2153	284°43'
18	12.39	2313	286°56'
19	12.67	2155	286°53'
20	13.16	2037	286°52'
21	13.21	1908	283°22'

1	8.05	2444	24° 20'
2	8.05	3008	285° 0'
3	9.14	3012	280° 40'
4	9.07	3010	285° 08'
5	9.38	3458	211° 10'
6	10.34	2448	288° 40'
7	10.31	2426	281° 30'
8	11.00	3400	401° 00'
9	10.43	3430	211° 35'
10	10.33	3334	206° 10'
11	11.13	3410	234° 04'
12	11.21	3350	203° 05'
13	12.20	2344	238° 08'
14	12.12	2305	234° 35'
15	12.14	2142	289° 04'
16	12.40	2147	214° 38'
17	12.45	2121	234° 34'
18	12.35	2133	234° 48'
19	12.37	2313	280° 30'
20	12.47	2135	280° 35'
21	13.11	2031	280° 02'
22	12.21	1408	288° 22'

N stake 2798 2729 2867 0-

Plan Pts.-OP123 EE, DD, GG, JJ P88-13-81

	Pt.	dist. (m)	mid.	h ∡	v ∡
DD	22	12.98	1677	276°33'	0
	23	12.84	1760	274°15'	
	24	14.99	1781	274°08'	
	25	14.33	1650	279°19'	
	26	14.16	1558	284°14'	
	27	14.56	1618	284°15'	
	28	15.29	1792	283°55'	
	29	15.90	1434	283°17'	
	30	14.34	1607	289°20'	
	31	14.77	1596	289—	
	32	15.47	1761	290°03'	
	33	14.98	1885	290°17'	
	34	14.48	1693	291°10'	
	35	14.64	1948	292°55'	
	36	19.30	1956	288—	
	37	19.18	1907	284—	
	38	20.33	2919	289°04'	
	39	20.00	2645	289°10'	
	40	20.29	2635	292°21'	
	41	20.69	2919	291°14'	
	42	20.84	2554	298°23'	
	43	18.63	2782	302°34'	
	44	18.13	2487	299°38'	
	45	16.73	2498	301°02'	
	46	16.45	2386	299°38'	
	47	15.86	2227	301°28'	
	48	16.13	2575	302°55'	
	49	17.89	3180	305—	
	50	17.10	3127	305°47'	
	51	15.89	2954	310°41'	
	52	14.40	2789	313°35'	

Plan Pts - OB123 EE, DD, GG, JJ

P88-13-82

pt.	distance	middle	h ∡	V ∡
53	13.94	2837	314°16'	0
54	13.48	2816	315°25'	
55	12.97	2760	314°20'	
56	12.54	2641	312°53'	
58	13.81	2490	309°38'	
59	13.85	2803	317°16'	
60	12.68	2778	318°20'	
61	16.97	2977	308°53'	
62	16.47	2936	306°43'	

IZSI = #1

Check length between 36 + 37

	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	

Plan Pts - OP 123 P88-13-83

	~~pt.~~	~~distance~~	~~middle~~	~~hz~~	v∡
6/28/88	N stake T_1	off by 10°30', at 349°30'			0
	T_1 to T_2	2639	2525	2754	332°33'
	T_1 to T_3	2672	—	2838	306°39'
	T_1 to T_4	2324	2088	2553	271°51'
	T_5 to T_3	4964	4869	5065	71°22'

FF	pt.	distance(m)	middle	hz∡	v∡
	1	11.02	4835	117°16'	0
	2	11.69	5060	122°58'	
	3	12.28	5068	115°25'	
	4	12.06	5068	114°29'	
	5	13.71	4980	118°15'	
	6	10.13	5182	100°37'	
	7	8.56	4693	77°16'	
	8	7.70	4476	80°27'	
	9 S	7.81	4569	86°15'	
	10 N	7.53	4233	89°08'	
	11 N	7.36	4264	82°39'	
	12 N	6.94	3940	83°06'	
	13 S	7.22	3990	88°39'	
	14	6.98	3769	90°27'	
	15	6.68	3671	84°01'	
	16	6.40	3504	84°40'	
	17	6.69	3485	92°38'	
	18	6.43	3275	94°26'	
	19	6.13	3277	85°42'	
	20	5.50	3076	89°41'	
	21	5.74	3060	98°01'	
	22	5.31	2600	102°18'	
	23	4.64	2657	94 —	
	24	4.16	2616	98°22'	
	25	4.27	2680	103°17'	

A	to A	2437	2525	2464	30° 33'
A	to A	2412	—	2432	30° 3'
A	to A	2324	2023	2523	22° 5'
A	to A	4404	4204	3005	41° 21'

Pt.	Distance (m)	Azimuth	Int
1	11.02	4835	117° 10'
2	11.57	3040	127° 55'
3	12.28	3003	115° 25'
4	12.01	3003	114° 27'
5	13.41	4420	118° 15'
6	10.13	3422	100° 34'
7	8.56	4423	77° 16'
8	7.40	4345	80° 27'
9	7.81	4347	81° 15'
10	7.53	4233	87° 03'
11	7.81	4204	82° 34'
12	6.94	3440	83° 01'
13	7.22	3410	88° 37'
14	6.78	3407	70° 27'
15	6.68	3401	84° 01'
16	6.40	3404	84° 40'
17	6.67	3485	92° 38'
18	6.43	3475	94° 26'
19	6.73	3477	85° 42'
20	5.50	3041	84° 41'
21	5.74	3000	78° 01'
22	5.21	2000	102° 13'
23	4.94	2034	94° —
24	4.11	2011	98° 22'
25	4.27	2030	103° 13'

Plan Pts. - OP 123 FF P88-13-84

Pt.	dist.	middle	h ∡	v ∡
26	4.18	2688	107°22'	0∡
27	3.62	2353	105°28'	
28	4.24	2483	114°53'	
29	3.10	2055	120°04'	
30	6.24	2428	140°48'	
31	6.28	2365	147°58'	
32	7.20	2816	138°04'	
33	3.80	1736	159°43'	
34	2.83	1672	163°08'	
35	3.14	2119	288°42'	
36	3.98	2463	276°49'	
37	4.60	2697	281°03'	
38	5.30	2295	193°26'	
39	4.51	2020	183°39'	
40	3.83	2007	190°49'	
41	5.99	2787	200°44'	
42	5.22	2713	209°42'	
43	6.06	3448	211°54'	
44	6.71	3196	204°57'	
45	6.99	3827	206°56'	
46	6.38	3738	212°25'	
47	6.97	3894	213°06'	
48	7.46	3962	210°53'	
49	7.67	4346	210°45'	
50	7.37	4197	211 —	
51	8.22	4500	220°05'	
52	8.52	4501	212°53'	
T_5 to T_4	4645	4585	4705	186°32'
back azimuth				6°32'

IH T_5 = 1550

21	4.18	2658	104° 22'
22	3.02	2535	105° 28'
23	4.24	2443	114° 33'
24	2.10	2035	120° 04'
25	6.24	2424	140° 48'
26	6.28	2305	144° 53'
27	4.20	2515	138° 04'
28	2.30	1430	151° 43'
29	2.43	1642	105° 08'
30	3.14	1117	280° 42'
31	3.18	1445	274° 44'
32	4.40	2009	281° 03'
33	5.30	2213	144° 24'
34	4.51	2020	183° 34'
35	3.33	2004	140° 49'
36	5.44	2484	290° 44'
37	5.22	2413	207° 42'
38	6.06	3448	211° 54'
39	6.41	3446	200° 57'
40	6.44	3264	200° 56'
41	6.38	3438	212° 25'
42	6.44	3344	213° 01'
43	[illegible]	3461	210° 33'
44	4.67	4346	210° 45'
45	4.34	4143	211 —
46	3.22	4500	220° 05'
47	3.52	4501	212° 33'
Σ	44.14	4545	4585	4705	1880° 32'
					6° 36'

Plan Pts - OP 123 X, CC, W P88-13-85

pt.	distance	middle	hz	vz
38	17.53	1369	273°49'	0
39	18.53	1122	279°25'	
40	20.41	1155	276°35'	
41	19.55	1226	271°14'	
42	18.71	3575	272°38'	
43	17.70	3954	274°08'	
26	9.75	1968	197°10'	
27	9.91	2467	196°45'	
28	10.12	2207	198°35'	
29	10.27	1762	201°52'	
30	10.49	2398	198°27'	
31	11.40	2080	195°41'	
32	11.82	2384	194°11'	
33	12.49	2157	201°32'	
34	12.43	2087	201°35'	
35	12.42	2185	194°48'	
36	11.93	2371	189°45'	
37	13.65	3180	172°50'	
47	10.81	1978	198°30'	
1	4.51	2088	228°12'	
2	5.07	2063	235°05'	
3	5.48	1971	220°43'	
4	5.83	1914	218°47'	
5	4.78	1881	211°05'	
6	4.21	1838	198°56'	
7	5.85	1897	201°13'	
8	5.79	2007	192°24'	
9	6.96	2008	191°52'	
10	4.93	1960	184°43'	
11	9.91	1858	239°57'	
12	10.74	1915	242°28'	

Pt.	Distance	Azimuth	N+
38	14.33	1301	2438'11"
39	18.33	1122	2411°05'
40	20.41	1135	2406°33'
41	14.55	1220	2417°14'
42	18.41	3345	2421°55'
43	17.40	3434	2404°06'
44	9.45	1401	1947°10'
45	9.11	2404	1925°45'
46	10.12	2207	1848°34'
47	10.27	1742	2001°52'
48	10.44	2343	1845°24'
49	11.40	2046	1845°41'
50	11.82	2534	1844°11'
51	12.44	2157	2010°31'
52	12.46	2054	2010°35'
53	12.42	2135	1844°44'
54	11.48	2341	1847°45'
55	12.05	3120	1842°50'
56	10.31	1445	1848°30'
1	9.31	2034	2227°12'
2	5.09	2023	2262°05'
3	5.42	1441	2220°48'
4	5.83	1414	2202°47'
5	9.38	1381	2211°05'
6	9.21	1535	1848°31'
7	5.85	1411	2017°13'
8	5.41	2003	1812°24'
9	5.90	2027	1857°52'
10	9.42	1910	1844°43'
11	9.91	1838	2437°54'
12	10.34	1835	2432°22'

Plan Pts - OP 123 X, CC, W

P88-13-86

Ricardo Ruiz

$1H\ \pi_4 = 1535$

Pt.	distance (m)	middle	hz	vz
13	9.85	1840	239°12'	0
14	10.01	1767	239°08'	
15	10.57	1698	234°02'	
16	11.05	1667	234°53'	
17	11.60	1665	229°25'	
18	10.80	1597	232°13'	
19	11.39	1533	228°18'	
20	10.48	1687	244°50'	
21	8.92	1671	260°19'	
22	7.94	1757	227°31'	
23	8.09	1461	214°20'	
24	8.90	1230	210°37'	
25	7.24	1702	206°08'	
44	8.66	1676	212°34'	
45	8.79	1649	213°56'	
46	9.33	1458	209°49'	
48	7.42	1547	202°42'	
49	6.50	1642	207°12'	
50	6.12	1757	201°16'	
51	7.26	1619	198°43'	

OP 123 Z, AA, BB

$1H\ \pi_6 = 1500$

1	7.62	3800	60°43'	
2	9.07	4442	57°42'	
3	10.01	4257	61°50'	
3.5	8.70	4201	(3.5) 57°48'	23°05'
4	9.42	4410		
4.5/5	9.37 / 10.35	4246 / 4215	22°31' /	18°57'
6	9.57	4047	16°43'	
7	9.17	4126	22°06'	
8	8.59	3663	15°57'	
9	7.40	3848	15°16'	
10	7.73	3917	9°15'	
π_6 to π_2	5564	5395	5728	184°40'

14	9.95	1434	234° 12'
15	10.01	1444	239° 08'
16	10.34	1448	238° 02'
17	11.05	1464	234° 53'
18	11.40	1465	227° 25'
19	10.90	1544	232° 18'
20	11.34	1535	228° 18'
21	10.43	1532	224° 30'
22	8.44	1541	220° 19'
23	8.34	1541	227° 31'
24	8.09	1530	214° 26'
25	8.40	1530	210° 37'
26	7.24	1402	220° 08'
27	7.24	1411	212° 37'
28	7.44	1433	213° 30'
29	7.38	1432	209° 44'
30	7.42	1433	210° 24'
31	7.30	1444	209° 42'
32	7.12	1437	209° 16'
33	7.22	1417	199° 43'

04:23 E, AA, 20

1	7.42	3800	20° 43'
2	7.07	4442	37° 02
3	10.31	4353	41° 30'
4	7.10	4440	03° 20' 23
5	8.37		
6	8.37	10.35	42.40 4215 22.31
7	7.57	4443	10.43
8	8.17	4424	22.01
9	8.37	3443	15.57
10	7.40	3443	14.10
11	7.45	3414	7.16
12	7.45	3315	3.72

Plan Pts - OP 123 Z, AA, BB P88-13-87

pt.	distance	middle	hz	vz
11	6.40	2158	353° 05'	0↓
12	5.14	2134	2 —	
13	6.20	1926	350° 46'	
14	4.70	1862	7° 48'	
15	8.30	2014	301° 45'	
17	8.49	1779	329° 06'	
16	7.62	1746	300° 19'	
18	7.89	1734	331° 08'	
19	8.18	1822	336 —	
20	7.67	1277	328° 07'	
21	7.19	1293	329° 41'	
22	7.18	1359	332° 44'	
22.5	7.37	1149	317° 57'	
23	4.69	1206	347° 10'	
24	4.38	1107	341° 49'	
25	6.38	1070	329° 35'	
26	4.11	1387	1° 58'	
27	2.48	1225	327° 48'	
28	3.40	1157	325° 39'	
29	3.08	1344	333° 32'	
29.5	2.76	1313	344° 45'	
30	3.81	1395	5° 55'	
31	3.57	1432	14° 45'	
32	3.15	1410	15° 23'	
33	2.07	1434	358° 55'	
34	2.75	1582	48° 40'	
35	2.37	1650	74° 56'	
36	3.11	1753	71° 47'	
37	2.21	1555	91° 52'	
38	2.91	1610	102° 20'	
39	3.98	1905	87° 09'	

11	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
18	[illegible]	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]
20	[illegible]	[illegible]	[illegible]
21	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]
31	[illegible]	[illegible]	[illegible]
32	[illegible]	[illegible]	[illegible]
33	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]
36	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]
38	[illegible]	[illegible]	[illegible]
39	[illegible]	[illegible]	[illegible]

Plan Pts - OP 123 AA, BB, Z

P88-13-88

	pt	distance (m)	middle	hz	vz
6/29/88	87	3.75	1843	99° 32'	0
	40	7.11	2492	108° 37'	
	41	7.52	2937	102° 20'	
	42	6.76	2400	121° 17'	
	88	7.06	2430	122° —	
	43	4.35	1830	96° 20'	
	44	2.33	1802	180° 47'	
	45	1.36	1735 approx	198° 26'	
	46	1.85	1403	276° 10'	
	47	2.63	1559	265° 36'	
	48	3.72	1415	299° 45'	
	49	3.46	1187	307° 55'	
	50	5.81	1772	291° 10'	
	51	2.74	1965	196° 06'	
	52	3.39	2301	204° 23'	
	53	3.06	2994	218° 15'	
	54	4.95	3096	219° 02'	
	55	5.11	3321	212° 19'	
	56	5.67	3393	212° 18'	
	57	5.48	3347	221° 31'	
	89	6.65	4102	219° 35'	
	90	6.72	4273	215° 32'	
	58	5.42	3359	199° 49'	
	59	5.74	3769	198° 11'	
	60	6.26	3863	192° 51'	
	61	6.61	4822	195° 33'	
	62	7.64	4250	196° 28'	
	63	6.41	4755	202° 07'	
	64	6.70	4200	203° 19'	
	65	6.64	4213	205° 21'	
	66	8.53	4847	210° 27'	

Plan Pts - OP 123 AA, BB, Z P88-13-89

Pt.	distance	middle	hz	vz
67	7.99	4473	211° 08'	0
68	8.25	4922	216° 23'	
69	8.44	4742	248 —	
70	8.29	4451	246° 18'	
71	6.81	4100	253° 41'	
72	6.48	3517	255° 43'	
73	13.95	4323	292° 22'	
74	13.55	4263	295° 55'	
91	14.04	4195	298° 24'	
75	13.84	4185	301° 17'	
76	15.45	4168	295° 30'	
77	15.15	4252	289° 54'	
78	9.99	4502	251° 24'	
84	10.49	4800	142° 30'	
85	10.48	4795	136 —	
92	9.94	3917	137° 04'	
93	12.97	4842	141° 30'	
79	2.74	1552	1° 32'	
80	2.32	1727	25° 11'	
81	1.14	1710 approx	179° 52'	
82	1.52	1620 approx	95° 30'	
83	4.19	1330	332° 36'	
86	1.41	1400	353° 45'	
48	3.65	1402	287° 10'	
94	3.01	1503	275° 45'	
87	3.67	1842	98° 12'	

Instrument height 1484

TROWELS

P88-13-69

6/14/88

183 E/1 - W side of structure 14, 1x1 m square (#1)
0-20 cm BGS (SE corner of square) 2 sherds

183 E/2 - 20-40 cm BGS, square 1, soil color from dark brown to tan w/ lots of small rocks at ≈ 28 cm BGS

183 E/3 - 40-60 cm BGS, square 1, EMPTY LOT nothing there but small rocks
becomes very soft and sandy toward bottom

183 E/4 - 60-80 cm BGS, square 1, soft sand EMPTY LOT

183 G/1 - E side of structure 14, 1x1 m square (#1)
0-40 cm BGS, (0-20 cm had 3 sherds, cont. to 40)

183 G/2 - 40-60 cm BGS, square 1, 2 walls 25-30 cm apart at 20 & 40 cm deep
=20cm
=40cm
↑ N
mano metate frags

~~183 G/3 - 60 cm BGS, square 1~~

183 H/1 - N side of str. 2, 1x1m square (#1)
0-20 cm BGS, sherds

183 H/2 - 20-40 cm BGS, same 1x1 m square (#1) Possible wall going N-S

183 H/3 - 40-60 cm BGS, same 1x1 m square (#1)

183 I/1 - W side of str. 4, 1x1 m square (#1)
0-20 cm BGS (0-20 = 3 sherds, extended to 40)

★ 183 I/2 - 20-40 cm BGS, square 1 2 bags (Wedge of pit)

Sand - r.

A & M A - sand

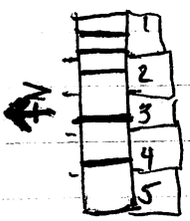
6/15/88 lots of rain during the night

183 E/5 - square 2 1x1m E of square 1, 0-40 cm BGS
removing rocks
0-20 cm has no sherds, clearing through rocks EMPTY

183 E/6 - square 2, 40-80 cm BGS, removing rocks (possible wall) (sand at ≈ 75cm sherds, obsid) no sherds bone

183 E/7 - square 3 1x1 m E of square 2, 0-40 cm BGS
1 pce animal or bird bone fairly near surface

Continued 6/16 183 E/8 - square 4 1x1 m E of square 3, 0- cm BGS to be continued



183 G/3 - move 1x1m square (#2) to W because of water in pit
0-20 cm BGS - wall

183 G/4 - 20-40 cm BGS square 2, clearing through some rocks

183 G/5 - move 1x1 m square (#3) to W of #2, 0-20 cm BGS - wall

183 G/6 - move 1x1 m square (#4) to W of #3, 0-30 cm BGS - wall

183 G/7 - move 1x1 m square (#5) to W of 4, 0-25 cm BGS

José Geronimo

183 H/4 - 60-80 cm BGS N edge, square 1

183 H/5 - 80-100 cm BGS, square 1 at ≈ 75cm clay soil change to tan

183 H/6 - 100-120 cm bgs, square 1

183 H/7 - 1x1 m square #2 S of square 1, 0-20 cm BGS no sherds, bajareque only rocks

183 H/8 - 20-35 cm BGS, square 2, wall

183 H/9 - clearing in front of wall to 120 cm BGS

no good lines

183 I/3 - move 1x1 m square to E, square #2 0-60 cm BGS
0-20 cm has no sherds, removing rocks metate frag

183 I/4 - move 1x1 m square to E, square #3 0-60 cm BGS E edge

José Miguel

possible wall, strange cube object w/ 4 indentations on 4 sides around it, approx. 12 x 12 x 12 cm; yellow cut block in middle of possible wall (18 x 16 x 13 cm) 33 cm from S wall of square 3, 60 cm from E wall

183 I/5 - move 1x1m square (#4) to E of square 3, 0-30 cm BGS

[illegible]

P88-13-71

6/16/88

183 E/8 - Continued from 6/15 0 ~~50~~ cm BGS. 3 sherds possible wall

183 E/9 - square 5 1x1 m square E of squ. 4 0-60 cm BGS coming up onto top of structure, poss. at a corner laja coming out of tumble, no sherds in top 20 cm

2 sherds

small rocks in bottom of trench

183 G/7 - Continued from 6/15 25-70 cm BGS Lots of (sherds) Laja being recovered, probably used as flooring or some sort of siding for the str. Laja measures 60 x 28 x 4 cm.

184 G/~~8~~ - 0-20 cm BGS, 1x1 m square (6) to W of squ. 5 Wall on E edge of square w/ lots of laja tumble in front sherds from in front of wall to 70 cm not behind, mound seems to be contructed of earth w/ cobble walls & terrace surfaces 0-70 BGS in front of wall

183 H/10 - Begin excavations in Sq. #3 0-20 cm BGS located directly to the S of horizontal Area of Sq #2

183 H/11 - 20-50 cm BGS square 3, removing some rocks possible wall on S edge, cleared down to bajareque floor at 50 cm BGS (at S edge of trench)

183 H/12 - 0-20 cm BGS, square 4 on S of square 3 Wall on N edge of square, cobbles very rough.

183 I/6 30-60 cm BGS in same horizontal Area as Sq #4, going behind wall

183 I/7 - 0-30 cm BGS square 5 1x1 on E of squ. 4 Wide wall on W side of square, 30 cm BGS Behind wall

EMPTY LOT

183 I/8 - 1x1 m square 4 on E of square 5 0-~~[illegible]~~ cm BGS

mano frag

Shado = ?

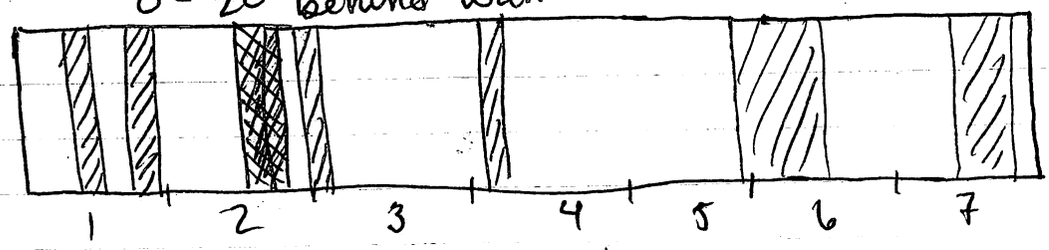
P88-13-72

6/16/88 183E/10 - 0 - cm BGS, square 6 on E of square 5 pit oriented slightly wrong so walls at angle to direction of trench, possible summit wall corner in square can be seen on the surface, lots of tumble existing possible walls are extremely ugly

183G/9 - 20 - 35 cm BGS behind wall in square 6 bottom at rock floor w/line of rocks EMPTY LOT

183G/10 - 0 - 50 cm BGS, square 7 1x1m on W of square 6 in front of wall

0 - 20 behind wall



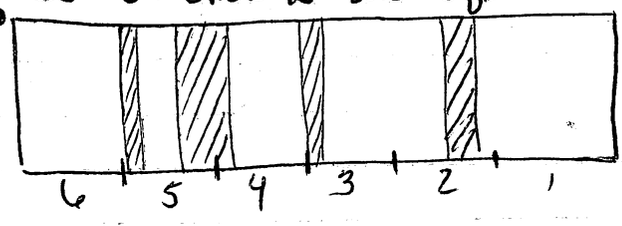
ormigas - ants

183H/13 - 20 - 60 cm BGS behind wall in square 4 on summit probably summit wall, 3 sherds

183H/14 - 50 - 80 cm BGS behind wall in square 4 on summit

183I/6 - 55 - 60 cm BGS in square 4 between walls, finding base of wall

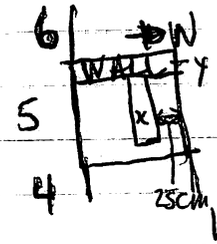
trench plan



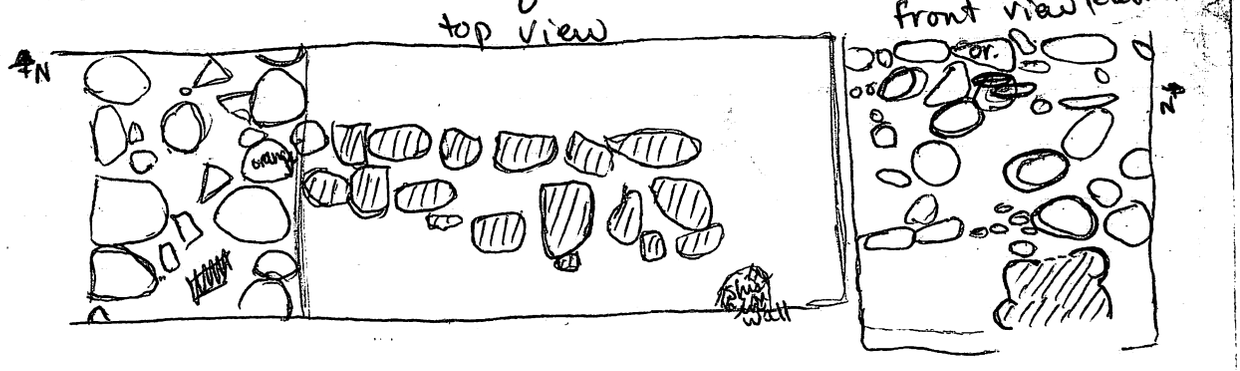
P88-13-73

6/20/88 183 K/1 - trench on W side of str. 1, to meet trench G at top of structure, 1x1 m square 0 - 40 cmBGS
183 K/2 - below K/1, same 1x1 m square #1, 40-70 cmBGS
3 bags of sherds, bajareque

183G/16 - 75-100 cmBGS in front of wall in squ. 5 below 183 G/15 (same horiz. area)



Wall parallel to axis of trench, below level of wall
wall across trench in square is 70 cm high.
perpendicular wall (X) runs under that wall, its highest course being lower than the lowest of (Y)
Perpendicular wall measures 115 cm long by 50 cm on W end & 50 cm on E end by at least 25 cm high
it is 25 cm south of N trench wall



P88-13-74

6/21/88

183K/3 - square 2 1x1m E of square 1 0-80 cmBGS

183K/4 - square 3, 1x1 m E of square 2, 0-70 cmBGS

6/22/88 183K/5 - ≈1.5m x 1m square connecting K to G,0 - BGS cm

Plan Pts. - OP 183 H, J

P88-13-75

pt.	distance	middle	hz	vz
1	7.56	1330	305°09'	0°—
2	7.54	1223	307°52'	
3	7.34	1151	313°14'	
4	7.75	1033	319°31'	
5	7.41	1500	320°18'	
6	6.90	1408	316°28'	
7	5.01	0980	322°33'	
8	3.53	1099	347°27'	
9	3.08	1198	349°58'	
10	5.11	1046	330°19'	
11	4.62	1095	337°38'	
12	4.22	1035	344°25'	
13	4.88	0892	350°12'	
14	5.25	1149	343°06'	
15	6.00	1131	332°38'	
16	6.28	1278	335°24'	
17	6.36	1456	336°40'	
18	6.15	0975	337°45'	
19	6.62	1433	340°25'	
20	6.39	1428	342°37'	
21	5.85	1008	340°30'	
22	5.32	0995	349°48'	
23	6.44	1205	354°15'	
24	6.65	1515	348°54'	
25	5.67	1404	345°15'	
26	7.85	1459	334°04'	
27	7.23	1368	330°30'	
28	8.24	1522	321°59'	
29	9.06	1426	327°11'	
30	9.60	1395	327°55'	

1	4.50	1535	305° 24'
2	4.54	.2125	304° 32'
3	4.34	.1451	304° 41'
4	4.35	.1023	304° 31'
5	4.41	.1406	320° 18'
6	4.44	.1408	310° 25'
7	5.01	.1486	302° 36'
8	3.55	.1017	304° 24'
9	3.06	.1497	304° 55'
10	3.11	.1646	320° 14'
11	4.02	.1045	304° 38'
12	4.22	.1035	304° 25'
13	4.47	.0542	350° 12'
14	5.25	.1145	304° 00'
15	4.00	.1131	302° 38'
16	4.23	.1274	323° 24'
17	4.30	.1430	321° 40'
18	4.45	.0375	334° 45'
19	4.43	.1433	310° 23'
20	4.34	.1428	342° 34'
21	5.35	.1045	304° 30'
22	5.32	.0475	344° 45'
23	4.44	.1205	334° 15'
24	4.45	.1315	348° 34'
25	5.14	.1404	345° 15'
26	7.35	.1437	324° 04'
27	7.23	.1348	304° 30'
28	5.24	.1522	321° 57'
29	4.04	.1424	322° 11'
30	4.00	.1415	322° 35'

Plan Pts – OP 183 H,J

P88-13-76

pt	distance	middle	h ∡
31	8.23	1207	317° 57'
32	8.42	1221	315° 31'
33	9.80	1369	320° 30'
34	10.69	1402	321° 52'
35	11.65	1466	326° 13'
36	9.34	1423	343° 27'
37	8.13	1258	342° 02'
38	7.15	1410	4° 16'
39	6.83	1351	1° 06'
40	8.32	1457	337° 33'
41	8.57	1694	336° 12'
42	9.55	1700	339° 18'
43	10.49	1505	333° 33'
44	10.45	1681	332° 35'
45	11.41	1710	325° 28'
46	10.54	1760	327° 21'
47	10.12	1640	329° —
48	10.24	1587	325° 06'
49	5.01	1181	357° —
50	4.63	1156	355° 22'
51	4.85	1173	1° 45'
52	4.54	1164	28'

Site 183 - Photo Log P88-13-77

88-13-A

1/60 at f11 1, 2 - OP 183 B, looking East, str. 8, basal wall named AJA

1/60 at f5.6 3, 4 - OP 183 C, looking West, str. 11, front wall LOVE OVER GOLD, back wall DIRE STRAITS

1/60 at f5.6 5, 6 - OP 183 C, looking East, str. 11, basal wall DIRE STRAITS

7, 8 - OP 183 D, looking North, str. 13, basal wall CEREBUS

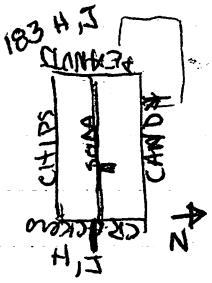
9, 10 - OP 183 F, looking North, str. 16, walls AMIGOS, MUY, BUENO, perpendicular summit wall SOPA

11, 12 - OP 183 F, looking South, perpendicular wall SOPA, wall BUENO

88-13-B

1, 2 - OP 183 E, looking East, str. 14, basal wall SNORTIMER summit? wall GRUNDY

3, 4 - OP 183 G, K, str. 1, looking West, walls DAREDEVIL, THOR, FANTASTIC FOUR, AVENGERS, CAPTAIN AMERICA, X-MEN, ALPHA FLIGHT, NEW MUTANTS (perp. wall not in photo)



5, 6 - OP 183 G, looking West, jct. X-MEN & NEW MUTANTS

7, 8 - OP 183 I, str. 4, looking East, walls (W to E) BUD, MILLER, PABST, BUSCH (not seen)

9, 10 - OP 183 H, J, str. 2, looking West, CANDY on N, SODA on S, PEANUTS on W, CRACKERS on E, bajareque floor in middle

11, 12 - OP 183 H, J, str. 2 looking West, SODA on N, CHIPS on S, PEANUTS on W, CRACKERS on E

88-13-C

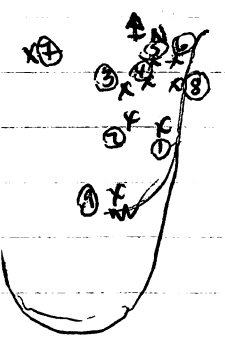
1, 2 - OP 183 H, connecting wall from CRACKERS going E to str. 3 looking South

3, 4 - OP 183 H, J, platform on NW corner of structure, CANDY

P88-13-90

6/29/88 Site 337

This site is located 150 m to the W of the big North structure of Santa Domingo. There is a dry quebrada between this site and Santa Domingo, that runs to the SW to the Rio Manchaquala, parallel to the road. The site is on a plateau between the quebrada and the Manchaquala, which is 125 m to the West. There is a steep drop into the Manchaquala, with what was apparently a faced ridge 10-15 m back from the edge. That ridge is very badly destroyed. The site is on the E side of the plateau. The site consists of 7 structures in a seemingly poor state of preservation, arranged in a semicircle opening on to the quebrada, with 2 more 30 meters away, 1 to the W, 1 to the S. The area has recently been cleared of brush and parts of it burnt. The West side of the plateau is in 20-30 cm high corn. The structures are constructed of medium sized cobbles, probably from the Manchaquala.



str. 1 - 2 levels, 50 & 75 cm high
str. 2 - 50 cm
str. 3 - 75 cm
str. 4 - 50 cm
str. 8 - on side of hill, falling off, <50 cm
str. 5 - 50 cm
str. 6 - NE corner longer than SW, 1 m NE 75 cm SW
str. 7 - in corn, 50 cm
str. 9 - dead structure

There are a lot of loose rocks all over the mounds.

~ 39

P88-13-91

6/30/88 Site 264 - surface collection 264 A/1

according to Don Luis the name of this site is San Bartolo. It is located on the land of Daniel Reiner, between the army base and Cofradia. The site is in a cow pasture and is covered in 1 m high grass, making the mounds difficult to distinguish. There is a quebrada 300 m to the N, and another smaller one 300 m to the S and W. The land seems to slope from the SW to the NE (toward Cofradia) There are ≈13 mounds that make up this site, in 2 clusters, a smaller cluster of 3-4 dead mounds to the NW of the main cluster. The largest mound of the main cluster is ≈1.5 m high and is seriously damaged on top by looting. The smaller mounds seem to have sustained some plow damage. The main cluster is arranged in a circular pattern w/ the large structure on the NE side, with the center of the circle being higher than the surrounding ground surface. A surface collection was taken from the debris left by looters, on the large mound

measurements

pt.			distance (m)	∡	
str.	1	√ 1	10.22	7°	
		√ 2	15.39	321°	intriged
elev.		√ 3	19.67	6°	
2 m					Fitting
str.	12	√ 1	18.35	46°	
		√ 2	21.79	41°	
node		√ 3	20.02	31°	
str. 9		√ 1 pt.	27.15	352°	
str. 13		√ 1	9.11	36°	
		√ 2	4.02	79°	
		√ 3	12.00	92°	

P28-13-11

6/26/89 Schedule Gravel collection Z Lot #11

According to Tom Lund the owners of this site are Sand Dunes. It is located on the Canal of Miami, between the Army Dike and Cypress. The site is a 2 (or) pondus and is covered by an inch gravel, making the measurements difficult to determine. There is a [illegible] in the N and another smaller one 300 m to the S side W. The land slopes to slope down the SW to the NE (towards Cypress) where the 3 measurements that would be taken are, in a rough, a smaller slope of 3.4 and measured to the W of the main slope. The lateral measure of the main slope is 8.1 m high and 300 m. Sediment transported on top by lateral the smaller measurements seems to have accelerated some slow drainage. The Miami Canal is designated as a [illegible] Potam and the large structure on the NE end, with the design of the single lane bridge where the summarizing quantitative. A square collection was taken from the [illegible] by looking on the large measurement

Pl.	Measurements			

site 264 cont.

pt.		distance	∡	
- str. 4	1	6.89	149°	
elev.	2	7.87	216°	
1 m	3	15.80	190°	
- str. 5	1	8.57	242°	
elev.	2	12.91	210°	
50 cm	3	14.71	225°	
- str. 6	1	14.53	244°	
elev.	2	13.46	230°	
50 cm	3	21.80	238°	
- str. 7	1	11.35	300°	
elev.	2	15.60	290°	
75 cm	3	9.20	259°	
- str. 8	1	23.18	294°	
elev.	2	20.80	281°	
75 cm	3	17.18	284°	
- str. 10	1	47.80	295°	
	2	50.22	302°	#2 → 3 = 3m on grd.
	3	—	300°	
- str. 14	1 pt.	31.10	63°	
15	1 pt	38.65	68°	
16	1 pt	52 —	68°	

constructed of medium to large rough cobbles

Site 265

This site is located 200 m N of site 264. It consists of 5 mounds in a circle, about 75 m S of the quebrada. None have any elevation. Field is in short grass. Medium size cobble construction, fairly well preserved.

Sun Lyn cont.

Pt.		Azimuth	∡
Stn 4	1	1.57	144°
	2	4.67	2[illegible]
1m	3	15.86	140°
Stn 3	1	8.54	[illegible]
	2	16.41	2[illegible]°
Stn m	3	14.41	225°
Stn 6	1	14.52	244°
	2	13.46	235°
Stn m	3	21.20	235°
Stn 7	1	11.25	300°
	2	15.60	290°
Stn m	3	9.20	25[illegible]°
Stn 8	1	23.19	244°
	2	20.80	281°
Stn m	3	19.18	284°
Stn 10	1	45.86	245°
	2	50.21	302°
	3		300°
Stn 14	1 pt.	31.10	63°
14	1m	38.15	6[illegible]°
6	1m	32 —	6[illegible]°

Continued on Madison to Sage Road Cross Sections

Sun Lyn

This pt is located 200 m N of Sun Lyn. It consists of 2 monuments on a cable, about 75 m of the cabinets. We have very direction. Field is short grass. Madison Sage Cable construction. Lightly used pasture.

P88-13-93

Site 265, measurements

pt.	distance	∡	
Str #1 1	9.04	148°	elevation
2	4.25	162°	50cm.
3	5.76	94°	
Str #2 1	5.83	71°	
2	9.04	70°	
3	7.92	35°	
Str #3 1	3.64	357°	
2	4.28	297°	50cm elevation on the Back side
3	6.88	316°	
Str #4 1	6.73	293°	
2	9.64	293°	
3	10.70	277°	
Str #5 1	6.90	245°	
2	7.85	217°	
3	5.28	199°	

P88-13-94

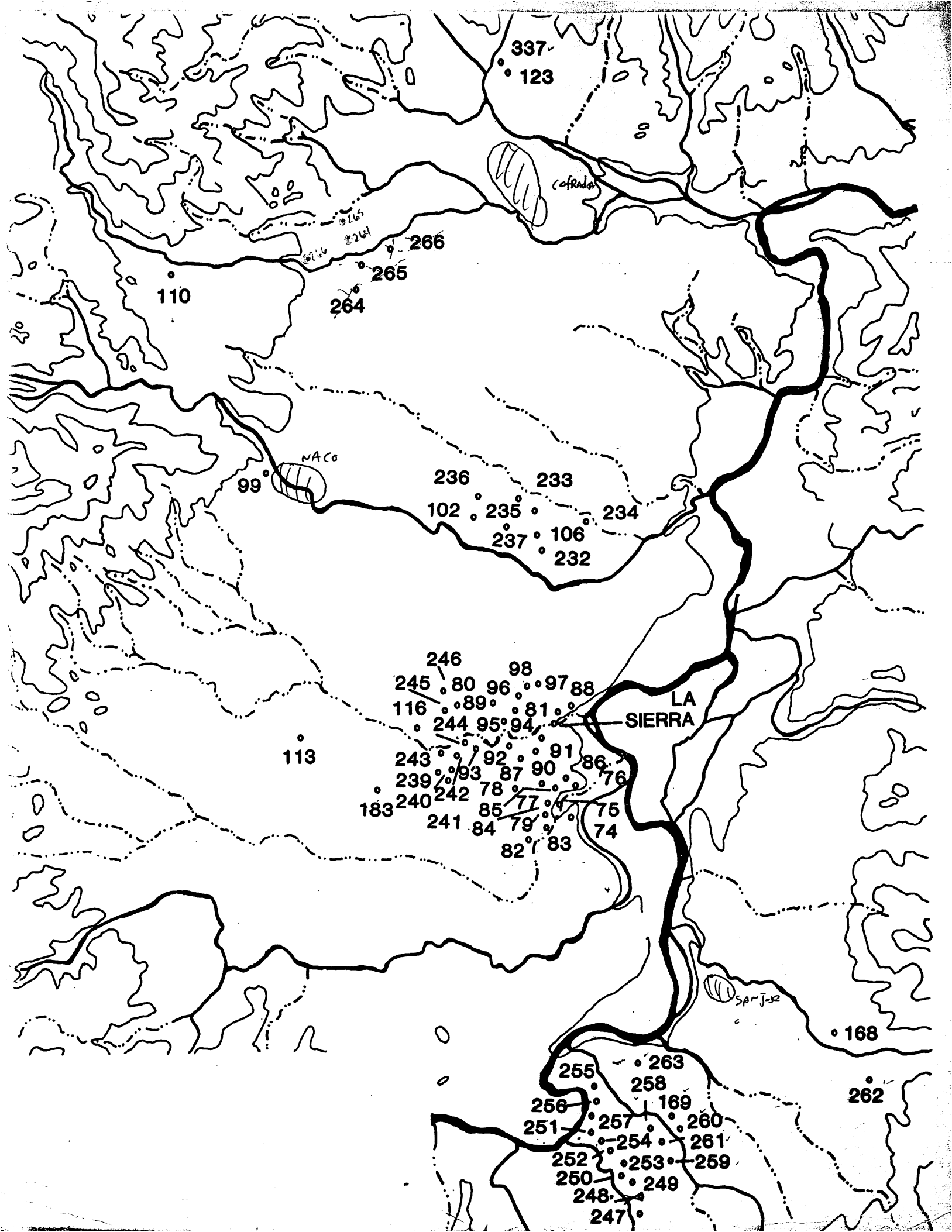
7/1/88

Measurements Site 337

Pt.			dist.		∡	elev.
Str. 7	1		48.5		318°	none
	2		43.7		319°	
	3		41.9		313°	
Str. 1	1		14.6		128°	#1-75cm
	2		25.6		132°	#2- 100cm
	3		25.5		117°	
Str. 2	1		11.4		117°	
	2		13.3		105°	
	3		11.1		96°	
connector	1&2	A	14.3		118°	
		B	13.3		115°	
		C	14.1		109°	
Str. 3	1		12.0		69°	
	2		15.0		94°	75 cm
	3		18.0		81°	
Str. 4	1		19.0		85°	75 cm
	2		22.5		93°	
	3		25.0		83°	
Str. 5	1		25.7		75°	75 cm
	2		29.0		69°	
	3		27.6		62°	
Str. 6	1		28.1		78°	1m
	2		32.3		73°	
	3		33.4		86°	
Str. 8	1		29.2		90°	
	2		27.3		97°	
	3		30.7		100°	
Str. 9	1		~~[illegible]~~	60.3	189°	
	2		~~[illegible]~~	60.2	187°	
	3		~~[illegible]~~	62.7	190°	

Site List

# struc	Site	Notes	Numbers	Done Map	SM
	242	✓ 13	15	—	
	243	✓ 13	15		
	244	✓ 13	15	—	
	245	✓ 13	15	—	
	246	✓ 13	~~16~~? 15	—	
	239	none yet	none taken, unfinished		✓
	240	~~Tony~~, Lisa ✓			
	241	" — ✓		—	
	Sinserri / Paz / Fasch				
1	247	~~Nancy~~ NO	none	none	13
?	~~248~~ 249	Nancy?? ~~not a site~~ ✓ nancy	13	✓	none
5	250	✓ nancy	David	? D	13
1	251	"		✓ D	✓
2	252	~~"~~ David?	12	✓ D	✓
3	253	" David?	12	✓ D	✓
3	254	✓	12	✓ D	✓
3	255	Nancy ~~David? NO~~	12	✓ D	~~none?~~
5	256	~~Girl D ✓~~ ~~NO~~	13	✓ 13	13 ✓
4	257	~~David? NO~~ 13 ✓	13	✓ 13	13 ✓
1	258	~~NO~~ 13 ✓	13	~~✓~~ 13	13 ✓
1	259	David ✓	13	✓ 13	13 ✓
2	260	~~NO~~ 13 ✓ 2 struct.	13	✓ 13	—
Ruiz	261	David ✓	12	✓ D	✓ 12
1	262	David ✓ yet	13	✓ 13	13
2	263	13 ✓ yet 2 structures		~~none~~	~~none~~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123
Cofradas
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San Jose
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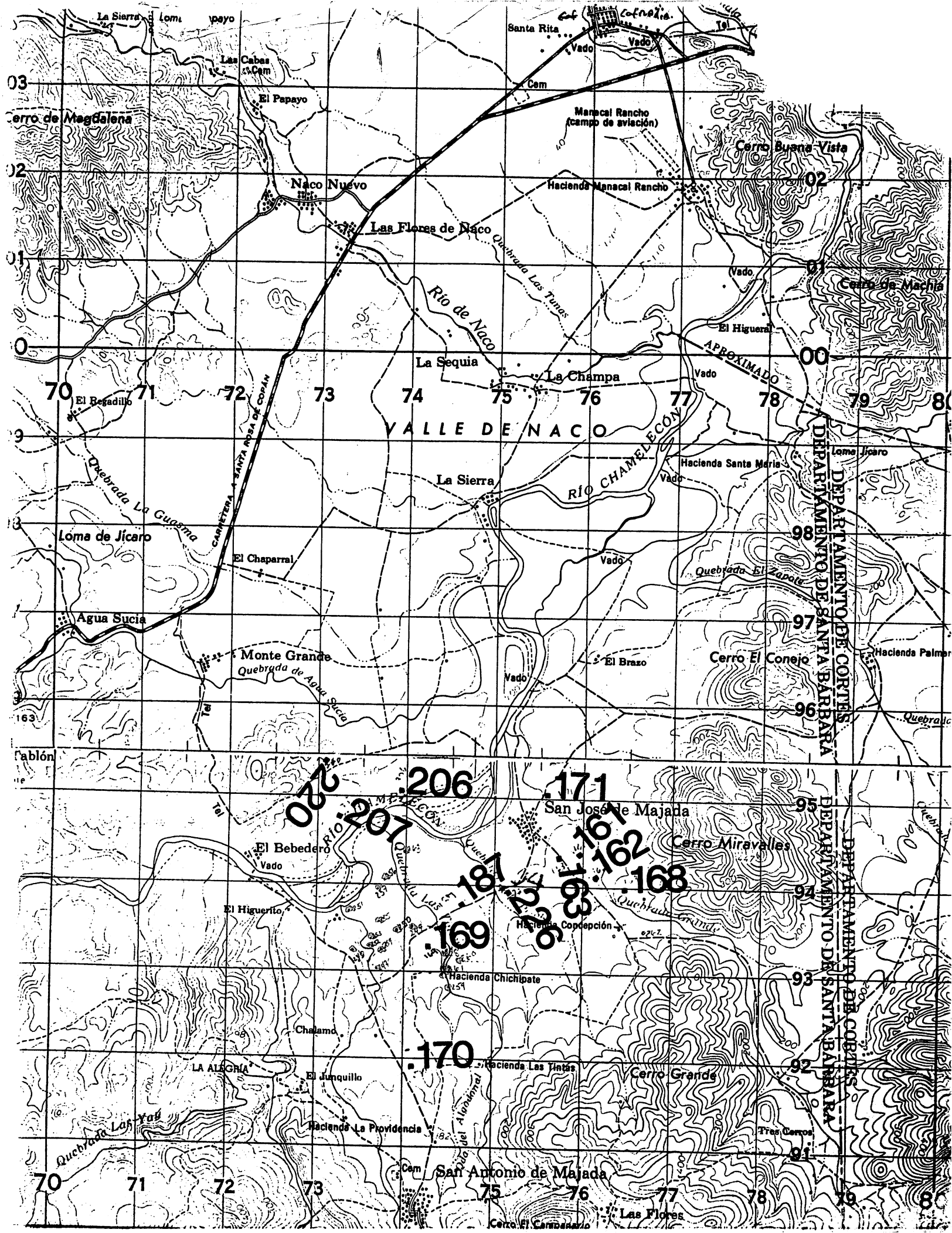
La Sierra
Loma
Papayo
Las Cabas
Cem
El Papayo
Santa Rita
Vado
Tel
Cem
Manacal Rancho
(campo de aviación)
Cerro de Magdalena
Cerro Buena Vista
Naco Nuevo
Hacienda Manacal Rancho
Las Flores de Naco
Quebrada Las Tunas
Río de Naco
Cerro de Machia
El Higueral
APROXIMADO
La Sequia
La Champa
El Begadillo
CARRETERA A SANTA ROSA DE COPAN
VALLE DE NACO
RÍO CHAMELECÓN
Hacienda Santa María
Lomo Jícaro
DEPARTAMENTO DE CORTES
DEPARTAMENTO DE SANTA BÁRBARA
La Sierra
Quebrada La Guasma
Loma de Jícaro
El Chaparral
Quebrada El Zapote
Agua Sucia
Monte Grande
Quebrada de Agua Sucia
El Brazo
Cerro El Conejo
Hacienda Palmar
Tablón
San José de Majada
Cerro Miravalles
El Bebedero
Río Chamelecón
Quebrada Las Tunas
El Higuerito
Hacienda Concepción
Quebrada Grande
Hacienda Chichipate
Chalamo
LA ALEGRÍA
El Junquillo
Hacienda Las Tintas
Cerro Grande
Quebrada Las Yas
Hacienda La Providencia
Quebrada del Atorondal
Tres Cerros
San Antonio de Majada
Las Flores
Cerro El Campanario
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I hope that you have gotten the other copies I sent you. But since the Kent Post Office tends to lose mail I thought that I would make sure that you had a copy. The green spots are the correct positions for these sites as close as can be determined for the map. I hope this is useful. I'm sorry that I missed seeing you and Pat while I was here this weekend.

Lavinia

Str. 18 - This is a dead mound. Only the eastern most 1-2 m remain, the whole rest of it having been either pushed with a plow-type object with all the rocks being shoved over to the W side of the path that runs through the site. Piece of obsidian blade found here. Str. may have been 6 m long originally. Remaining part covered in thorn bushes. Only 25-50 cm high, 2-3 m wide. Lots of schist, some tuff.

Str. 17 - A rather large str. 1.25 m high, 5 m E/W x 4 m N/S. Whole mound covered in thorn scrub. Constructed of med-large size pieces of schist & tuff with a few other kinds of rock. Seems to be fairly well preserved, though a little hard to tell

Str. 16 - the biggest str. on the site. 1.75 m high, 8 m E/W x 10-12 m N/S, faces into center of group. Front of str. obscured by thorn trees, top fairly clear. Is rather well preserved. Has a projection sticking off the back of the str. - 1.0 - 1.25 m high, 3 x 2 m size. Constructed of med-large size schist, tuff and a quartz-like stone.

Str. 15 - 5 N/S x 3 m E/W, 50 m high. Fairly well preserved, fairly clear w/ only a few thorn bushes. Med-large schist & quartz-like rocks. Part of back wall of str. exposed thru natural erosion processes, Is about 30 cm high, 2-3 slabs of schist, exposed for ≈ 60 cm length. Very neat.

Pg. 13

Sh. 18 - This is a short measured call. The Western most 1-5 in Kenmore, this whole area of it. Lawnmowers in their position with a plow-type object. When they were having shaved over to the W side of the road what was through the area. Was of Kenmore. Middle Round Here. Sh. may, you been in low midpoint, elsewhere just covered in their behind. Only 25-30 cm high, 2-3m wide. Lots of sound. 30m tall.

Sh. 19 - A nothing large 50 x 25 m high. 5 m like a 4 m M/S which means covered in thin sand. Combinated of sand. Large sand. Area of rocks. Left with a few other rocks of rock. Seems to be mostly rocks pressured, although a little hard to tell.

Sh. 20 - This appears on the edge 1.75 m high 3m 5m x [illegible] M/S. Some rocks in a group. Top of sh. covered by thin. Area, the hardly other. "Is [illegible] matrix well pressured. Also a production structure of the back of the sh. 1.0 - 1.25 m high. 3 m in shape. Consists of of many - large sand. Sand. Left and a quasi-like structure

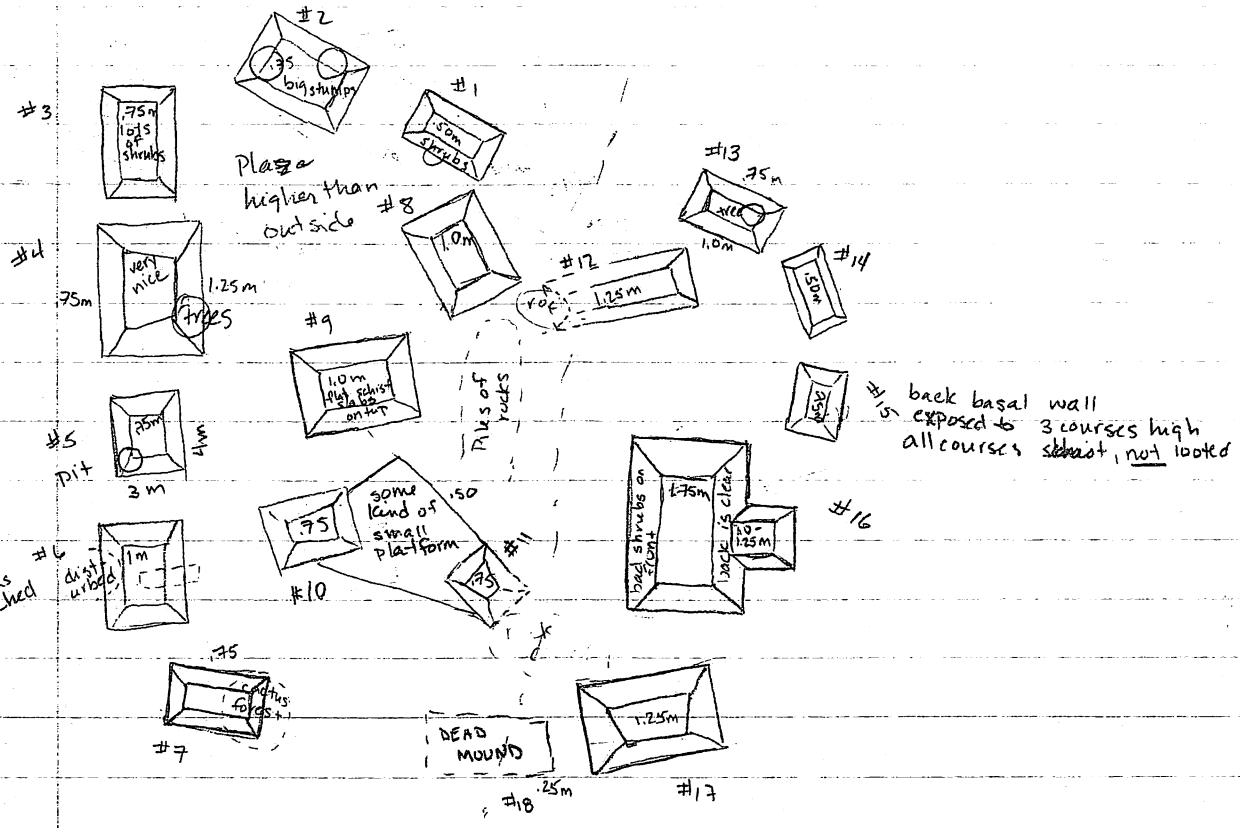
Sh. 21 - M/S 4 5m, 30 m high. Facing well pressured, hardly other of on a plow shape. Medium. Mid-large. Solidity quasi-like. Made. Part of lower wall of sh. appears that natural erosion process, [illegible] about 30 cm high 2-3 blocks of sound, appear to be 20 cm length. Very [illegible].

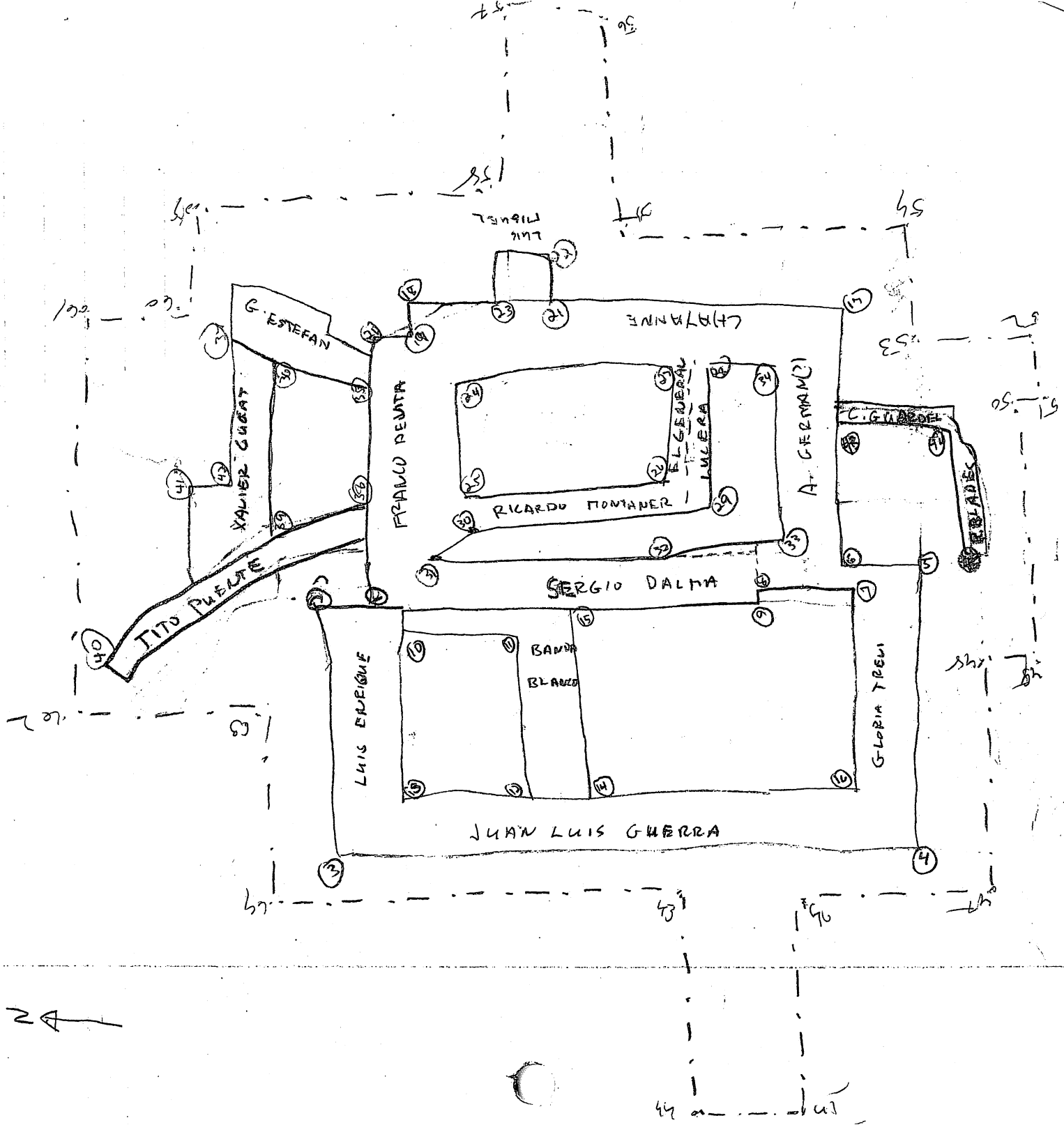
lot of schist rocks

most shrubs are full of thorns

Site 469 - LOS NANCES

N




LUIS MIGUEL
G. ESTEFAN
CHAYANNE
XAVIER CUGAT
FRANCO DENTA
EL GENERAL
LUCERA
A. GERMANI
C. GUADDEL
RICARDO MONTANER
ROLADEX
TITO PUENTE
SERGIO DALMA
BANDA BLANCA
LUIS ENRIQUE
GLORIA TRELI
JUAN LUIS GUERRA
N