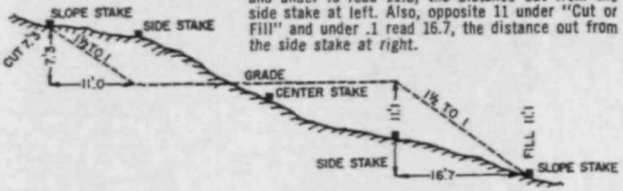
DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	Cut or Fill
	Distance out from Side or Shoulder Stake										
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

For Curve Tables see end of book.

ADDISON PLANTATION
18 PR 175

AREA ADDIS III

Datum El.

ground surface

Area

~~XV~~ ⊡ S 170 E 501 = 57.236 m above MSL.

~~XIV~~ ⊡ S 200 E 450 = 57.876 m above MSL.

~~XIII~~ ⊡ S 243 E 429 = 56.69 m above MSL

~~XII~~ ⊡ S 235 E 457 = 56.596 m above MSL.

XVI ⊡ S 307 E 457 = 57.596 m above MSL

K+E The paper in this book is made of 100% high grade rag stock with a WATER RESISTING surface sizing.

KEUFFEL & ESSER CO.

David L. Weinberg
1-703-256-9157

3-14-88 PLW Billy Ray AREA

350 Cloudy

AREA XV

π over long survey stake S170 E530
alighned to SE corner of
S 170 E521

>270° π over S170 E530 to
S170 E521
turned 180° and taped 2m
for new S170 Hub (site center)

AREA XVI set up

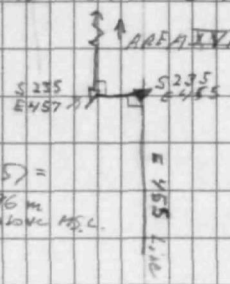
HI = 1.41 π S235 E457

		Dis.	L	
close	T	0.84		AREA XVI Hub
Stk	C	0.49	71	Base of Hub
	B	0.13		
	T	0.71		
Close Stk	C	0.36		
	B	0.01		top of Hub.
		0.76		
• Far Stk		0.40	72	Base "
		0.04		
	T	0.67		
• Far Stk	C	0.31		Top "

took slot to SE corner pin
which was re-pinned of previous
t.u. S170 E521 1X2m unit.

S170 E15 1x1 0.50 previously
excavated

X over S235 E457
(taken off E455 line)



S307 E457

.84	.76
.13	.04
71	72

3-17-88

2

	D		
		HI 1.41	π over S235 E45>
0.84			
0.49	70	close Hub	base of Stk
0.14			
0.71			
0.38			Top of S
0.01			
0.77			
0.41		far Hub	base of Stk
0.05	72		
0.665			
0.30			Top of Stk.
	Dist.		
2.74			Base of Stks
2.38	72		
2.02			
2.67			
2.31			Top of Stk
1.95	1		

close stk.

S 305 E457

Far stk.

S 307 E457 Base * 57.596 m above MSL.

π over ~[S 307] E 457'

shoot to Rod to S 235 E 457' sta.

3

			Bldg Ray's Area		58.696
3-16-88	AREA	XV	S170 E501		
	D	L	H.I. = 1.46		
0.625			EL. ~ above MSL		
0.60	4.98m	15° 15'	58.096		Drags Hub
0.575					
				Top of Hub	
0.615	Center Hair	"	58.081	Base of Hub	
124) 1.79	c		56.906		Base of Stk
1.67	c		57.026		Top of Stk
125) 1.83	c		56.866		Base
1.70	c		56.996		Top
126) 1.89			56.806		Base
1.78			56.916		Top
127) 1.91					Base
			56.786		
1.82			56.876		Top

* π over S 170 E 501 El. 57.23
aligned to Grid North

→ Drigs Hub 35' ⊕ △ 145 Blue Flagging
↑ (Didn't use)

S 170 E 510 stk

" "

S 170 E 513

" "

S 170 E 517

" "

S 170 E 519

AREA XV cont. 58.696 HI = 1.46

			EL. / m above MSL	
128)	2.05	center Hair	56.646	Base of Stk
	1.92	•	56.776	Top. "
129)	2.20		56.496	Base Stk.
	2.10	•	56.596	Top
130)	3.31		55.386	Base Stk
	3.20	•	55.496	Top Stk.
131	1.93		56.766	Base of Stk
	1.85	•	56.846	Top of Stk.
132)	1.93		56.766	Base of Stk
	1.77	•	56.926	Top of Stk

S170 E521

" "

S170 E525

"

S170 E532

" "

S165 E519

" "

S167 E519

" "

3-18-88

5 AREA IV cont. HI 1.46 m

		EL./m above MSL.	
(33) 1.96		56.736	Base Stk
1.86	•	56.836	Top of Stk
(34) 2.11		56.586	Base Stk
2.04	•	56.656	Top. of Stk.

S 172 E 519

" "

S 175 E 519

" "

ELEVATIONS 1

6 3-17-88 DLH

	AREA	~~XV~~ 0	EL	M/Dist.	58.716
			EL./m above MSL		
1)	2.01		56.706		
1.31					
2) 1.14	64°22'		57.576	35	
0.96					
0.60					
3) 0.42	53°24'		58.296	36	
	2.42		56.46		
4)	2.25	71°13'	~~58.296~~	34	
	2.08				
	2.75				
5)	2.58	76°40'	56.136	34	
	2.41				
	2.94				
6)	2.78	82°	55.936	33	
	2.61				
	3.21				
7)	3.05	85° ~~37'~~ 47'	55.66	32	
	2.89				

HI = 1.48m π over S170 E501

Aligned Grid North

contour Pt.

S167 E525 (2x1)
NW corner = S165 E524 for Datum spk.

contour pt. south side top of Ridge spur

contour pt North on Ridge.

C. pt base of Ridge slope

C pt ~~along~~ between ridges

" " "

North edge of "old Road"

7 HI 1.48

	contour	pt	cont. EL	Area XV D. St.
	3.63			
8)	3.47	91°	55.246	32
	3.31			
	3.72			
9)	3.56	96° 44'	55.156	32
	3.40			
	3.11			
10)	2.95	99° 35'	55.766	32
	2.79			
	2.30	~~10~~		
11)	2.14	105° 13'	56.576	32
	1.98			
	2.52			
12)	2.36	111°	56.356	32
	2.20			
	3.11			
13)	2.95	117° 26'	55766	32
	2.79			

c. pt. center "Old Red"

c. pt. south edge of Red
and ~~north~~ base of Ridge
(south ridge)

c. pt. midway along ridge slope

c. pt. Top of south ridge

c. pt. south. slope of ridge.

c. pt. Base of ridge slope
disturbed area.

8

AREA XV cont

			El/m above MSL	Dist/m
	2.73			
14)	2.60	118°31'	56.116	28
	2.45			
	2.26			
15)	2.13	114°12'	56.586	27
	1.99			
	2.16			
16)	2.03	117°37'	56.686	26
	1.90			
	2.69			
17)	2.55	102°37'	56.166	27
	2.42			
	2.98			
18)	2.84	99°15'	55.876	28
	2.70			
	3.21			
19)	3.08	96°14'	55.63	26
	2.95			

Capt. South base of S. Ridge
just N. of distinct.

C.Pt. top of S. Ridge S. edge

" " " N. edge.

Capt. N. Slope of S. Ridge

South edge of "old" Rd / base of
Ridge

middle of "old" Rd.

9 MEA XV cont. HI 1.48 cont.

			EL./m	DIST
	3.01			
20)	2.89	89°11'	55.826	26
	2.75			
	2.60			
21)	2.47	81°	56.246	27
	2.33			
	2.25			
22)	2.09	74°11'	56.626	30
	1.95			
	1.68			
23)	1.53	65°20'	57.186	30
	1.38			
24)	0.60			
	0.44	53°31'	58.276	32
	28			
25)	1.55			
	1.42	64°32'	57.296	25
	1.30			

North edge of old Rd.

c.pt between Ridges

c pt. at base of North Ridge
(E. side)

c.pt midway along S. slope of
North Ridge

c.pt. top of Ridge.

c. pt along south side of N. Ridge
slope

AREA XV cont, HI = 1.48

			EL/M	DIST.
	2.17			
26)	2.05	73° 37'	56.666	24
	1.93			
	2.17			
27)	2.06	83°	56.656	22
	1.95			
	2.24			
28)	2.13	93° 10'	56.586	22
	2.02			
	2.45			
29)	2.34	98° 25'	56.376	22
	2.23			
	2.53			
30)	2.42	102°	56.296	22
	2.31			
31)	2.52			
	2.40	107° 53'	56.316	24
	2.28			
	2.24			
32)	2.11		56.606	24
	2.00			

FSI BM #106 EL. = 189.72' above mean Sl. 10

c.pt base of south slope of N. Ridge

c. pt. ~ midway between Ridges

c. pt between Ridges

N. edge of "Old Road"

midway along "old rd."

South edge of Old Rd. / base of S. Ridge slope

c. pt top of S. Ridge

11

	AREA	X V COMP.		HI 1.48 cut
			EL	DI ST.
	2.41			
33)	2.29	119°52'	56.426	24
	2.17			
	2.65			
34)	2.52	123°30'	56.196	26
	2.39			
	2.31			
35)	2.20	126°37'	56.516	22
	2.09			
	2.03			
36)	1.94	127°27'	56.776	20
	1.83			
	2.20			
37)	2.10	121°	56.616	20
	2.00			
	2.15			
38)	2.06	107°35'	56.656	18
	1.97			

c. pt S. side of S. Ridge

c.pt. base of S. Ridge (S. side)
N. edge of disturbed area

c.pt. N. edge of disturbed area

c.pt top of S. Ridge.

S. edge of "Olo Rd"

~N. edge of "Olo Rd"

AREA XX cont.

			EL.	DIST.
	2.07	99° 37'		
39)	1.99	S 175 E 519	56.726	17
	1.90			
	1.96			
40)	1.88	87° 20'	56.836	16
	1.80			
41)	2.32		56.396	
	2.03			
42)	1.94	76° 06'	56.776	18
	1.85			
	1.66			
43)	1.57	62° 30'	57.146	18
	1.48			
	0.57			
44)	0.47	54° 37'	58.246	20
	~~0.47~~			
	0.37			

NW corner of (1X2) 173E518
S175E519 datum spk

c.pt between ridges. (through site)

Hight of cobble in S169E519

c. pt between ridges

c.pt midway up S. slope of N. Ridge

c.pt top of N. Ridge

	1.40		EL.	Dist/km
* 45)	0.89	76° 39		102
	38			
	0.57			
46)	0.49	53°	58.226	16
	0.41			
47)	1.67			
	1.60	62°46'	57.116	14
	1.53			
	1.91			
48)	1.84	74°30'	56.876	14
	1.77			
	1.93			
49)	1.86	91°	56.856	14
	1.79			
	2.04			
50)	1.97	110°23'	56.746	14
	1.90			

* π over S170 E 501

Shoot to FSI - BM #106 57.82 m

EL. 189.72' above mean SL

G.S. at S170 E501 = 57.236 m

189.72' = 57.826 m A.M.S.L.

c.pt. Top of N. Ridge

c.pt along S. slope of N. Ridge

S. base of N. Ridge slope

c.pt. between Ridges.

" " "

57.82 m + 0.89 - HI/1.48 = 57.236

AREA XV CONT. HI = 1.43

	2.06		EL.	0.3+
51)	1.98	128° 14'	56.736	16
	1.90			
	1.65			
52)	1.55	138° 15'	57.566	20
	1.45			
	1.09			
53)	0.99	153° 20'	57.726	20
	0.89			
	1.98			
54)	1.92	144° 16'	56.796	14
	1.84			
	1.94			
55)	1.89	122°	56.826	10
	1.84			
	2.23			
56)	2.14	119° 39'	56.576	18
	2.05			

c. pt - base of S. Ridge (N. Slope).

c.pt. Top of Southern Ridge

c.pt. Top of South Ridge.

pt. Base of North Slope of S. Ridge
(South edge of machine cut-area

Counter pt. North edge of machine cut
distinctiveness.

pt. East edge of machine cut distinctiveness

15

	Area XV	Cont.	HI 1.48m		
start	Map				
	1.89		EL/m above MSL	Dist/m	
57)	1.84	96° 30'	56.876	10	
	1.79				
	1.82				
58)	1.76	72° 30'	56.956	11	
	1.71				
	1.08				
59)	1.03	55°	57.686	11	
	0.97				
	0.93				
60)	0.89	47° 20'	57.826	8	
	0.85				
	1.63				
61)	1.60	73° 36'	57.116	6	
	1.57				
	1.70				
62)	1.67	123°	57.046	7	
	1.63				
	1.71				
63)	1.66	143° 10'	57.056	9	
	1.62				

Area North of Top of N. Ride is mod.- heavy Disturbed

15

c. pt. between ridges

c. pt base of S. slope of N. Ridge.

c pt midway up S. slope of N. Ridge

c. pt. midway " " "

c. pt. base of S. slop of N. ridge.

c. pt between Ridges

c. pt - N. edge of machine-cut disturbance

16 3-17-88 PLW JB AREA IV cont.

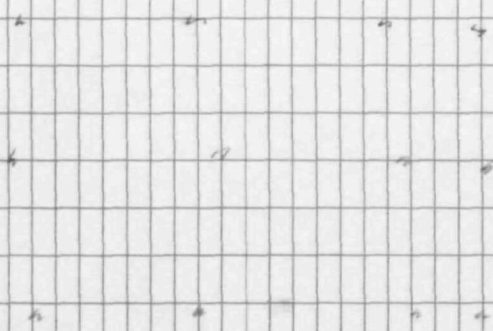
			EL./m above MSL	dist./m
	1.88			
64)	1.82	158° 14'	56.896	12
	1.76			
	1.44			
65)	1.35	166° 29'	57.366	18
	1.26			
	1.15			
66)	1.04	171°	57.676	22
	0.93			
	1.48			
67)	1.35	170°	57.366	25
	1.23			
68)	1.15			
	1.09	154°	57.626	22
	0.93			
	2.19			
69)	2.08	135° 43'		
	1.96		56.63.6	23
	2.59			
	2.46	122° 35'	56.256	26
70)	2.33			

C. pt. S. edge of machine disturbance
and N. slope edge of S. Ridge

midway up N. slope of S. Ridge

Top of S. Ridge

S. slope near top of S. Ridge
Northern edge of disturbance



AREA X cont.

		EL.	DIST.
	2.82		
71)	2.66	114° 22' 56.056	32
	2.50		
	3.16		
72)	2.98	108° 12' 55.736	35
	2.81		
	1.23		
73)	1.10	179° 12' 57.616	25
	0.98		
	0.99		
74)	0.88	179° 20' 57.836	22
	0.77		
	1.38		
75)	1.28	181° 16' 57.436	19
	1.19		
	1.65		
76)	1.57	183° 31' 57.146	16
	1.49		
	1.72		
	1.65	185° 16' 57.066	14
77)	1.58		

South slope of South Ridge near top
Northern edge of Disturbance

" " " "

" " " "

" " "

c. pt top of South Ridge

c. pt. midwad down N. Slope of S. Ridge

c. pt poss. southern edge of "old RD"

" " center of old RD.

AREA XV

		∠	DIST.	EL.
	1.49			
78)	1.44	186° 42'	11	57.276
	1.38			
	1.60			
79)	1.57		7	57.146
	1.53			
80)	1.57		2.8 m	57.146
81)	0.88		2.7 m	57.836
	0.42			
82)	0.40		4	58.316
	0.38			
	0.14			
83)	0.10		8	58.616
	0.06			

poss. Northern edge of "OLD RD"

poss. North edge of OLD ROAD

Counter pt. near T

c. pt. midway up S. slope of North Ridge.

pt. along S. slope-North Ridge

Top of S. slope North Ridge

			P.H.	EL.
84)	0.66	289°20'	3.70	58.056
85)	1.33	257° 16'	3.30	57.386
86)	1.49 1.45 1.42	210°	7	57.266
87)	1.50 1.44 1.38	207° 13'	12	57.276
88)	1.36 1.27 1.18	201° 42	18	57.446
89)	1.29 1.18 1.08	198° 20'	21	57.536
90)	1.33 1.22 1.11	193° 11'	22	57.496

c. pt on S. slope of N. Ridge

ct. pt. - base of S. slope of N. Ridge

c. pt. between Ridges / N. edge of machine-cut disturbance.

c. pt. between Ridges

pt - poss. N. boundary/edge of "old RD."

poss. middle of "old RD"

poss. S. edge of old Rd / along N. slope of S. Ridge

 3/7/88 AREA XV cont

			El	Dist/m
	1.50			
91)	1.37	191° 48′	57.346	26
	1.24			
	1.92			
92)	1.78	190° 25′	56.936	28
	1.64			
	2.09			
93)	1.95	198° 20′	56.766	28
	1.81			
	1.30			
94)	1.18	200° 39′	57.536	23
	1.07			
	1.43			
95)	1.34	207° 20′	57.376	19
	1.24			
	1.45			
96)	1.38	214° 29′	57.336	14
	1.31			
	1.19			
	1.15		57.566	9
97)	1.10			

~~Top of~~ Top / crest of S. Ridge

along S. slope of S. Ridge

" " "

crest of South Ridge / ~~Top~~ W. Edge of S. Ridge

N. base of slope of S. Ridge

S. edge of machine-cut disturbed area.

?

AREA XV. CONT.

			EL.	DIST
	1.16			
98)	1.12	155° 30'	57.596	8
	1.08			
	0.60			
99)	0.56	267° 13'	58.156	9
	0.51			
	0.37			
100)	0.30	267°	58.416	14
	0.23			
	0.94			
101)	0.86	254°	57.856	15
	0.79			
	1.07			
102)	0.98	232°	57.736	17
	0.90			
	1.30			
103)	1.20	216° 30'	57.516	20
	1.10			
	1.34			
104)	1.22	218° 13'	57.496	24
	1.10			

Base of S. slope of N. Ridge.

Midway up S. slope of N. Ridge

Midway along S. slope of N. Ridge

Base of S. slope of N. Ridge /
and N. edge of disturbed machine
cut area

S. edge of machine cut disturbance.

Contour pt.

Contour Pt.

ARE XV cont.

HI = 1.48

			EL.	Dist/m	
	1.34				
105)	1.21	207° 16'	57.506	25	
	1.09				
	2.12				
106)	1.98	205° 15'	56.736	29	
	1.83				
1	1.71				
107)	1.55	215°	57.166	32	
	1.39				
	1.41				
108)	1.27	218°	57.446	28	
	1.13				
	1.19				
109)	1.08	227° 21'	57.636	21	
	0.98				
	1.09				
110)	1.00	239° 18'	57.716	18	
	0.91				
	2.06	63° 40'		2° El of Tube from Horiz.	
111)	1.89		57.97	Incorr. Dist.	41
	1.73			33	
				32.979	

C.P.T.?

Base of slope

Edge of Disturbed AREA
(same as S. of S. Ridge disturbed area)

contour pt.

Countour pt.

S. edge of machine cut disturbance

* Tube elevated 2° above Horiz.
countour pt. along crest of W. ridge
S. edge of Disturbance

			Unoff. EL	Dist Unoff.
	1.58			
112)	1.42	51°50′		2° EL of Tube
	1.28		58.22	30 29.98
	1.33			2° " "
113)	1.21	55°31′	57.80	24
	1.09			23.985
	1.06			
114)	0.95	39°30′	57.47	2° " "
	0.84			22 21.98
	1.06			
115)	1.00	50°39′		2° " "
	0.93		57.21	13 12.99
	0.59			
116)	0.52	13°		2° " "
	0.46		56.72	13 12.99
	0.31			
117)	0.27	332°42′		2° " "
	0.24		56.26	7 6.99
	0.68			
118)	0.61	294°26′	57.098	*3° " "
	0.54			14 13.980

cpt N. Eds of Disturbance along crest top of N. Ridge

S. edge of Disturbance along N. Ridge top

N. edge of " "
" "

S edge " " "
" "

N. edge " " "
" "

S. edge " " "

S. edge " " "

			EL.	D.S.T.
	1.91			
119)	1.84	•	56,876	13
	1.78			
120)	1.905	•	56.811	
121)	1.89	•	56.826	
122)	2.03	•	56.686	
123)	1.985	•	56.731	

(1X1) T.V. S 170 E 514 SE Corner

(1X2) S 169 E 519 SW corner (Datum) Base SPK. *S 169 E 518

(1X2) S 172 E 519 NW corner (Datum) Base SPK * S 170 E 518

(1X2) S 170 E 525 SW corner (Datum) Base SPK. * S 170 E 523

(1X2) S 175 E 519 NW corner Datum Base SPK. * S 173 E 518

25 3-18-88
PLW KTB

			EL	Dist	
1)	0.87	•	57.846		Top of Stk
2)	0.79	•	57.926		Base of Stk
* 3)	0.84	•	* 57.876		~~Sunk Hub~~ ⊽ G.S. + Top of Hub
4)	1.105				Top of Stk S200 E425
5)	1.19				Base of Stk
6)	2.11				Base of Stk
7)	2.08				Top of Stk
8	3.00				Top of Hub (G.S)

* Datum EL's

π over S170 E 501

HI = 1.48m

S 200 E 451 Stk

S200 E 451

GS at S200 E450 = 52.876m

S 200 E 450 Hub

NOAI!

π over S 200 E450 Hub ∇ HI =

shoot g.west to S 200 E 425

* see Notes other Book

S 200 E 425

For S200 E450 to S243 E429 Shot to establish EL. AREA XIII for Contours

S170 E 501

S170 E 501

HI = 1.51

π over S200 E 425

Shoot to S243 E 429 (TP #1)

Area XIII

3-18-88

		∠	EL ~~Dist.~~	Dist.
	0.49			
9)	0.41	195° 57'		
	0.33			
	centerline			
10)	1.48		56.63	Base of Stk
11)	1.39	•	56.72	Top Stk.
12)	1.43		56.68	Base Stk.
13)	1.34	•	56.77	Top Stk
14)	1.145		56.965	Base Stk.
15)	1.04	•	57.07	Top Stk
16)	0.95	•	57.16	NE Edge Datum Spk.

AREA XIII

π over S 200 E 425

aligned grid north

shot to 1g pin oak in

area XIII w/ survey tack

and pink flagging

0.41m above tack

HI = 1.42

π over S 243 E 429

aligned G. north

S 245 E 425

" "

S 243 E 425

" "

S 239 E 425

" "

S 237 E 425

27 3-28-88 AREA XIII cont

		EL	Dist.	
17)	0.84	57.27		Base Stk
18)	0.77	57.34		Top Stk.
19)	0.84	57.27		Base Stk
20)	0.75	57.36		Top Stk
21)	0.88	57.23		Base Stk
22)	0.78	57.33		Top Stk.
23)	0.92	57.19		Base
24)	0.84	57.27		Top
25)	0.92	57.19		Base
26)	0.81	57.30		Top

S235 E425

" "

S233 E 425

" "

S 227 E 425

" "

S 224 E425

" "

S 223 E 425

" "

AREA XIII cont.

		EL.	DIST.	
27)	0.77	57.34		Base of Stk
28)	0.70	57.41		Top of Stk
29)	1.20	56.91	56.83	Base Stk
30)	1.28	56.83	56.91	Top Stk
31)	0.94	57.17		Base
32)	0.83	57.28		Top
33)	0.91	57.20		Base
34)	0.76	57.35		Top
35)	1.20	56.91		Base
36)	1.10	57.01		Top

S 219 E 425

" "

S 233 E 431

" "

S 233 E 427

" "

S 233 E 423

" "

S 233 E 419

" "

	AREA XIII	UNIT.	EL.	Dist/m	
37)	1.44		56.67		Base
38)	1.31		56.80		Top?
39)	3.75 3.71 3.68	91° 44'	54.40	7	
40)	3.92 3.89 3.85	121° 30'	54.22	7	
41)	3.79 3.76 3.73	156° 30'	54.35	6	
42)	3.82 3.78 3.73	187° 30'	54.33	9	
43)	3.72 3.65 3.58	213°	54.46	14	

S233 E 415

" "

contour pt along hill slope East of Area XIII

" " " "

contour pt along hill slope South of Area XIII.

" " "

" " "

			EL m/ about MSL	Dist/m
	3.93			
44)	3.86	242°	54.25	14
	3.79			
	3.15			
45)	3.08	263°	55.03	15
	3.00			
	2.41			
46)	2.36	266° 21'	55.75	11
	2.30			
	2.20			
47)	2.15	252° 35'	55.96	10
	2.10			
	2.24			
48)	2.19	233°	55.92	9
	2.15			
	1.95			
49)	1.92		56.19	7
	1.88			

Contour pt. along hill slope south side of site XIII

" " " " west side of area

" " "

contour pt south of area.

" " "

Top of hill slope south edge of area

D. WEINBERG
6161 Edsal RD.
Alexandria Va. 1-703-256-9157