F.B. * 218

Sutherland - San Vicente
Conduit

Triangulation - Sec. Points.

Index

Sec. Points - Prim.

Sheet 109

Sec. Pt. #① 31°37'20"

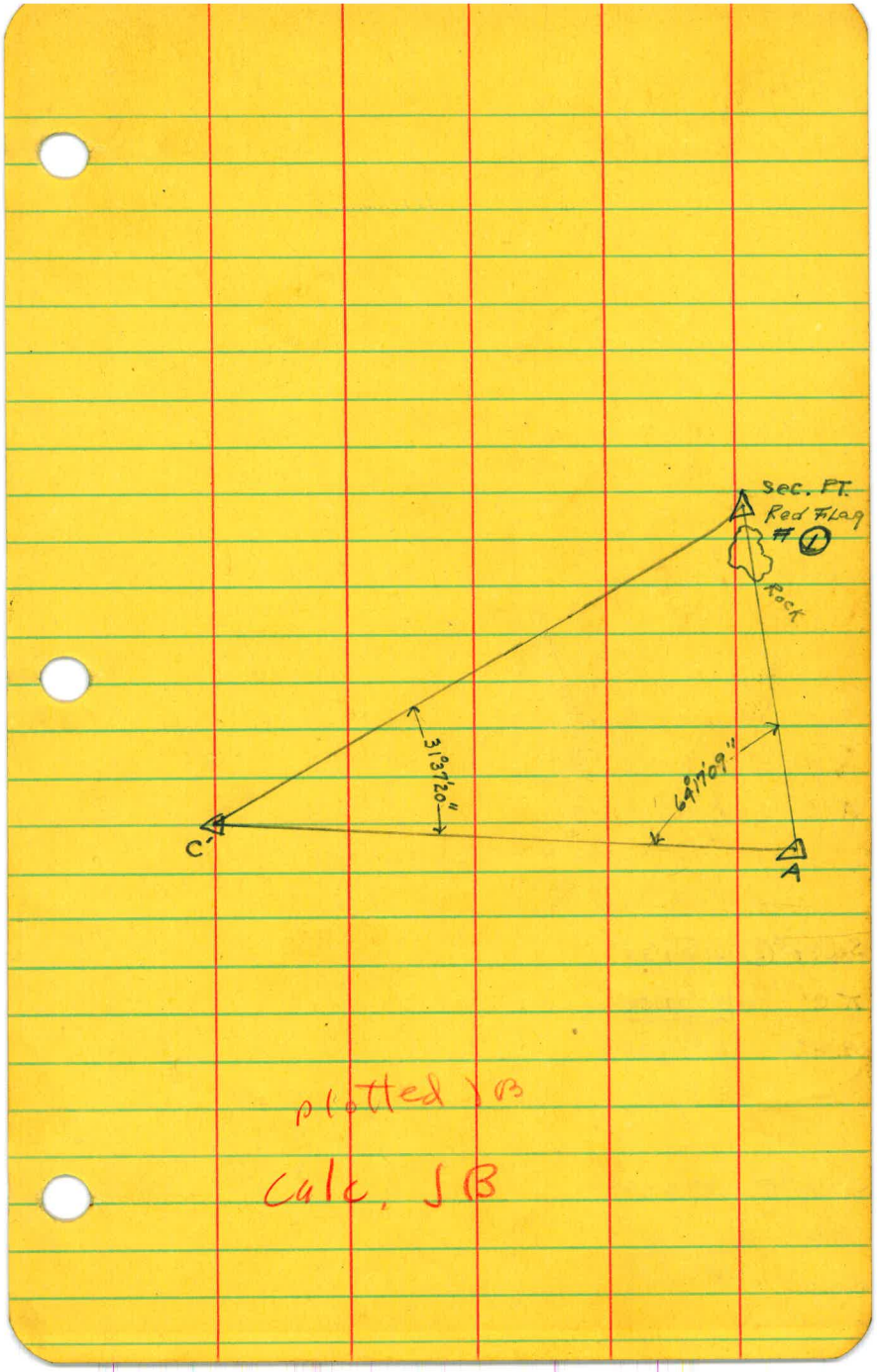
∠C' + 126°29'15"

B.S. = A 31°37'19"

Sec. Pt. #① 64°17'05"

∠A + 257°08'35"

B.S. = C' 64°17'09"



plotted JB

calc. JB

Sheet 109

Sec Pt # ② 21°24'35"

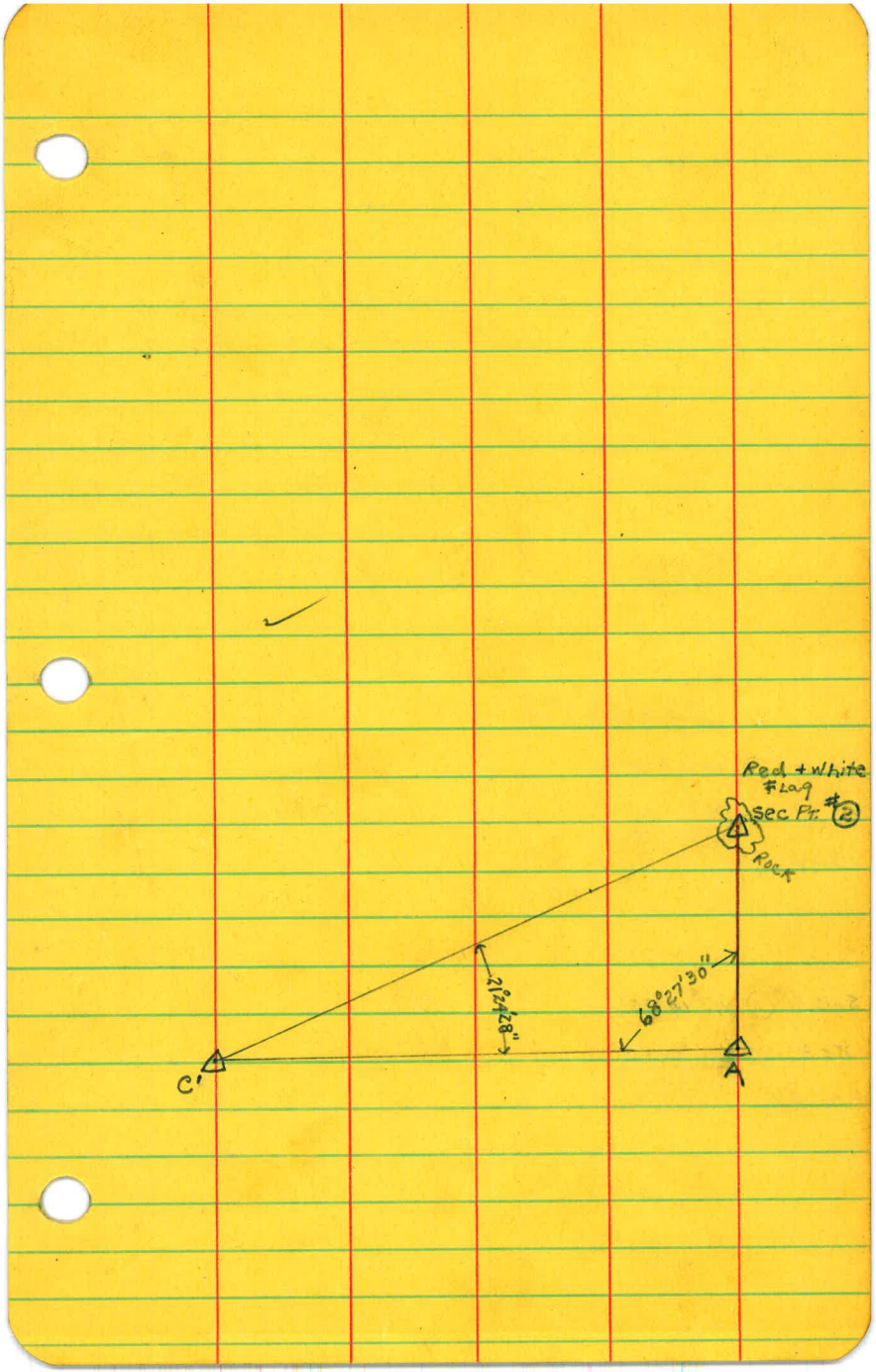
∠C' + 85°37'50"

B.S. = A 21°24'28"

Sec. Pt. # ② 68°27'25"

∠A + 273°50'

B.S. = C' 68°27'30"


Red + White
Flag
Sec Pt. #2
Rock
212'28"
68°27'30"
C'
A

Sheet 115

Sec. Pt. # ③ 18°05'30"

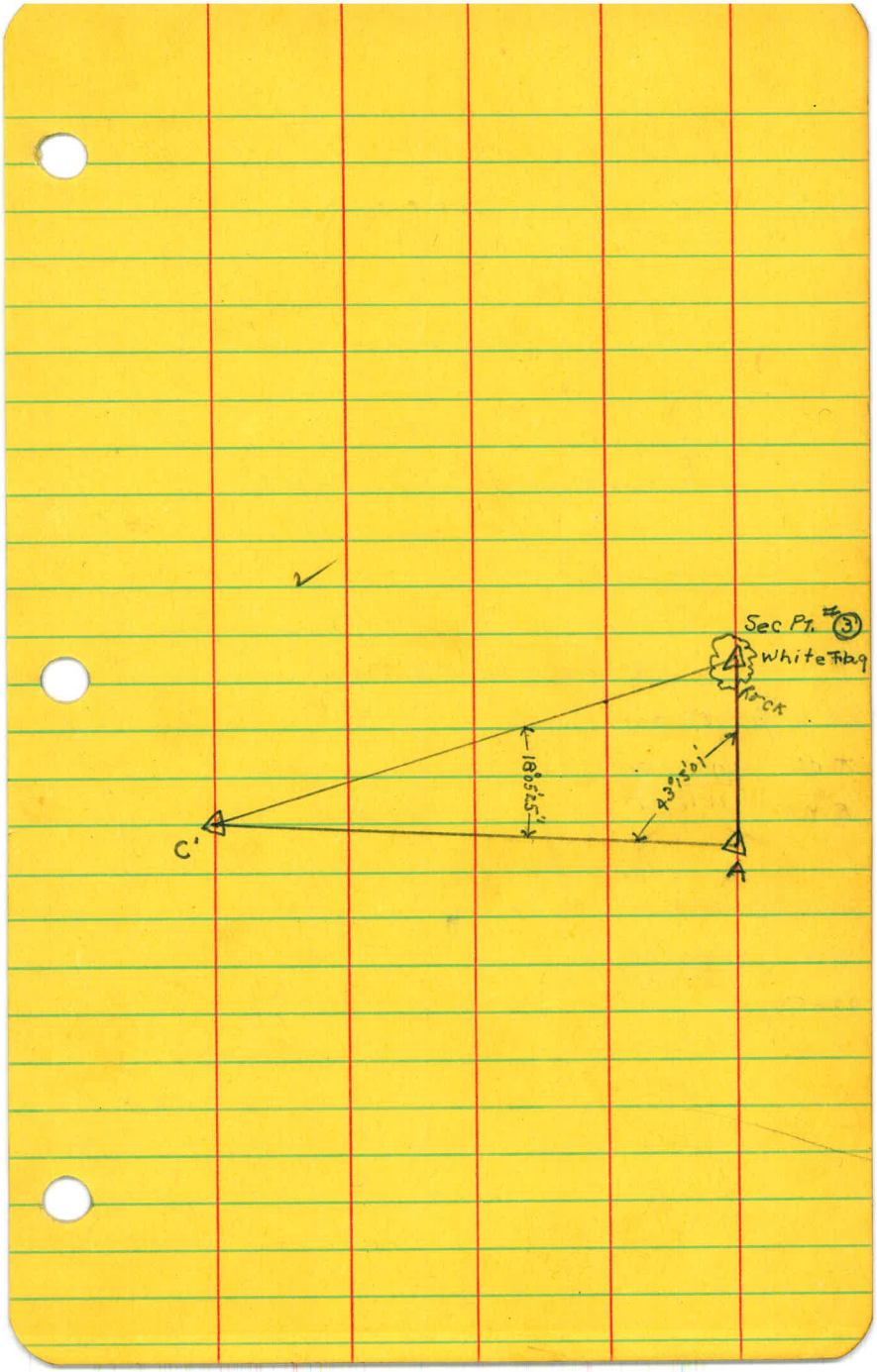
π C' + 72°21'40"

B.S. = A. 18°05'25"

Sec. Pt. # ③ 43°14'55"

π = A + 73°00'05"

B.S. = C' 43°15'01"


Sec Pt. #3
White Flag
Rock
1805'25"
43°15'01"
C'
A

Boundary 114-115

Sec. Pt. #④ 11°16'50"

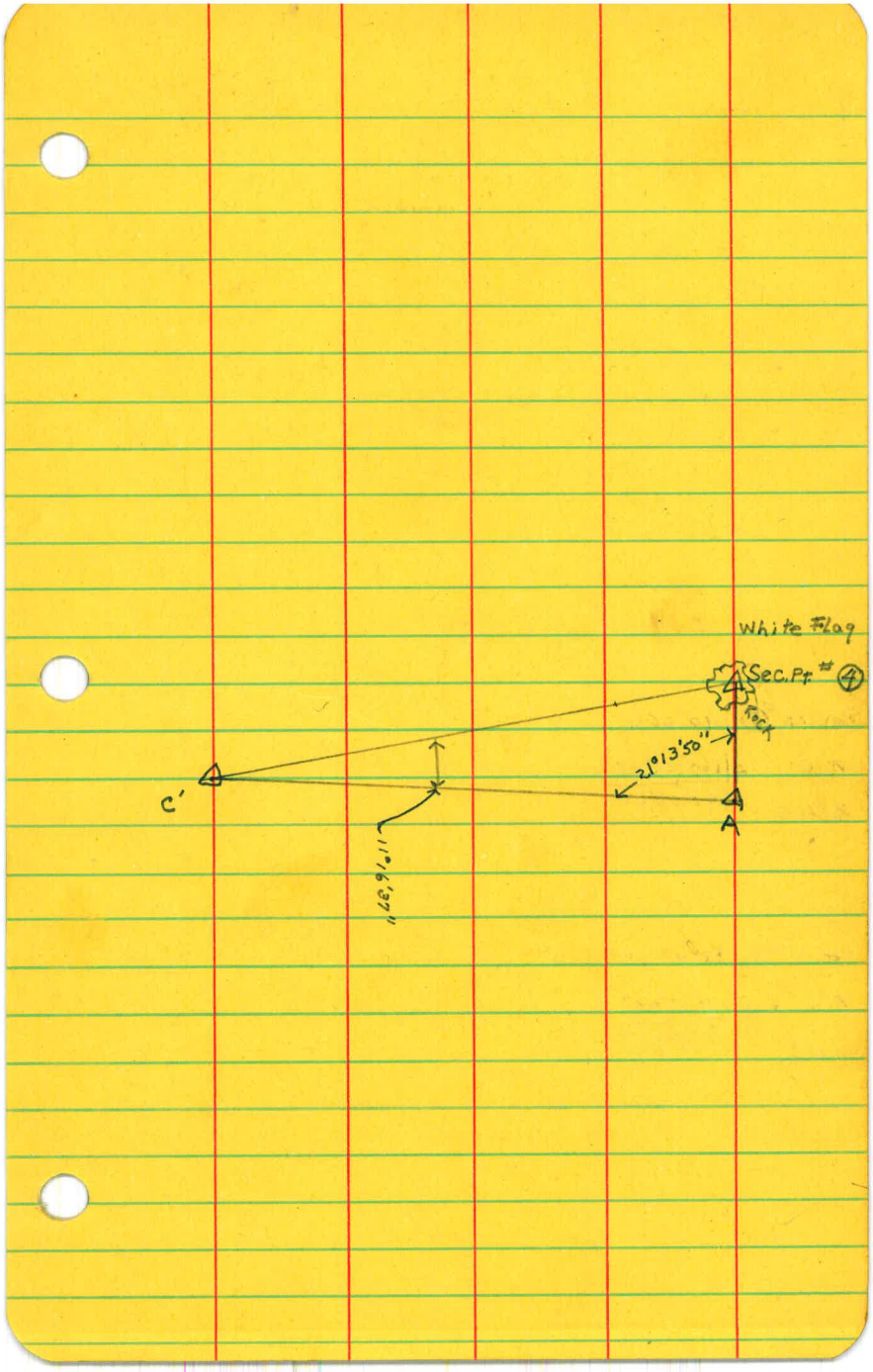
π C' 45°06'30"

B.S. = A 11°16'37"

Sec. Pt. #④ 21°13'40"

π = A 34°55'20"

B.S. = C' 21°13'50"


White Flag
Sec. Pt. #4
Rock
21°13'50"
C'
A
11°16'37"

Sheet 109 –

Sec. Pt. #⑤ 40°06'

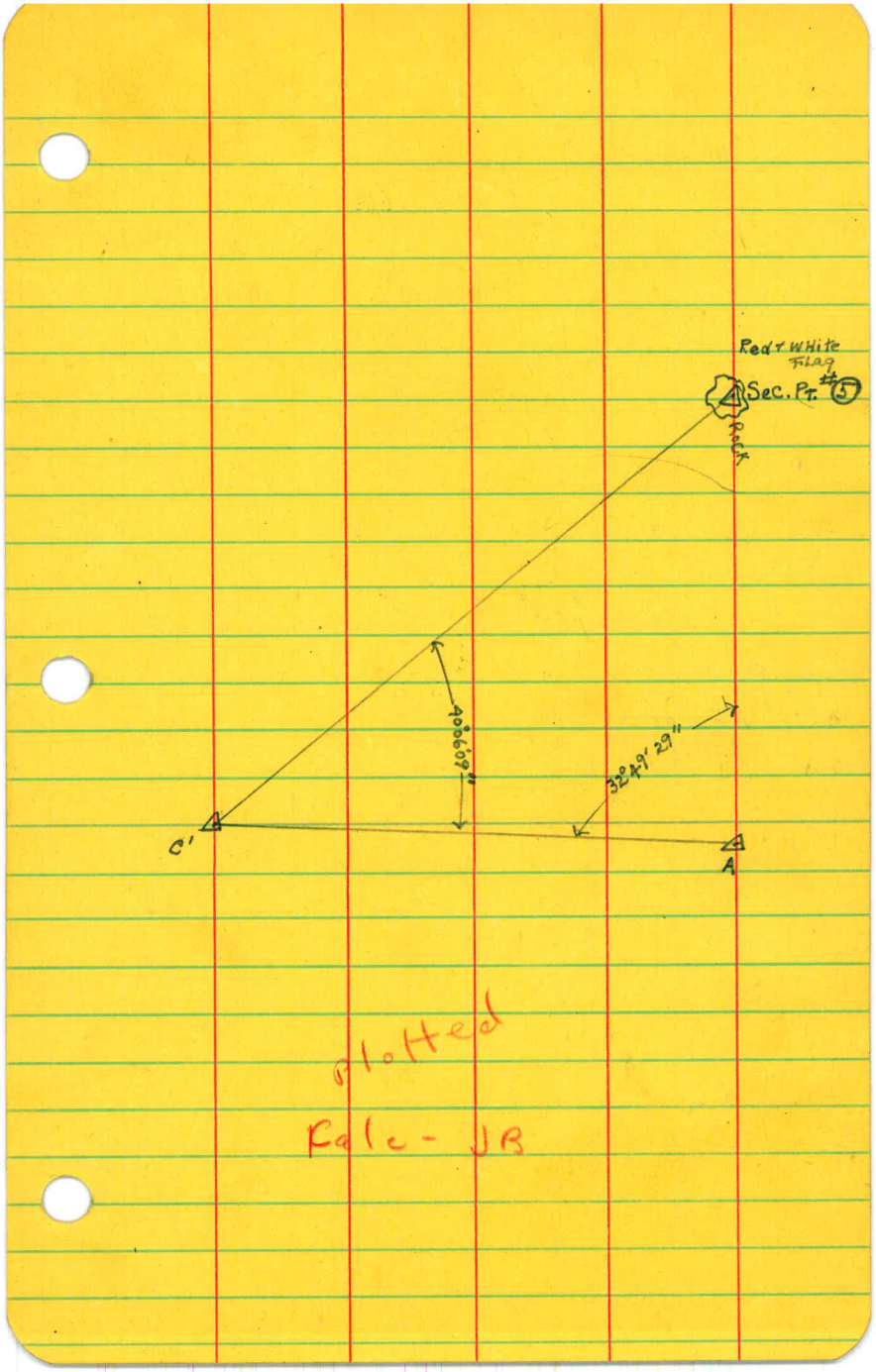
∡ C' 4 | 160°24'35"

B.S. = A 40°06'09"

Sec. Pt. #⑤ 32°49'25"

∡ A 4 | 139°17'40"

B.S. = C' 32°49'25"



Plotted

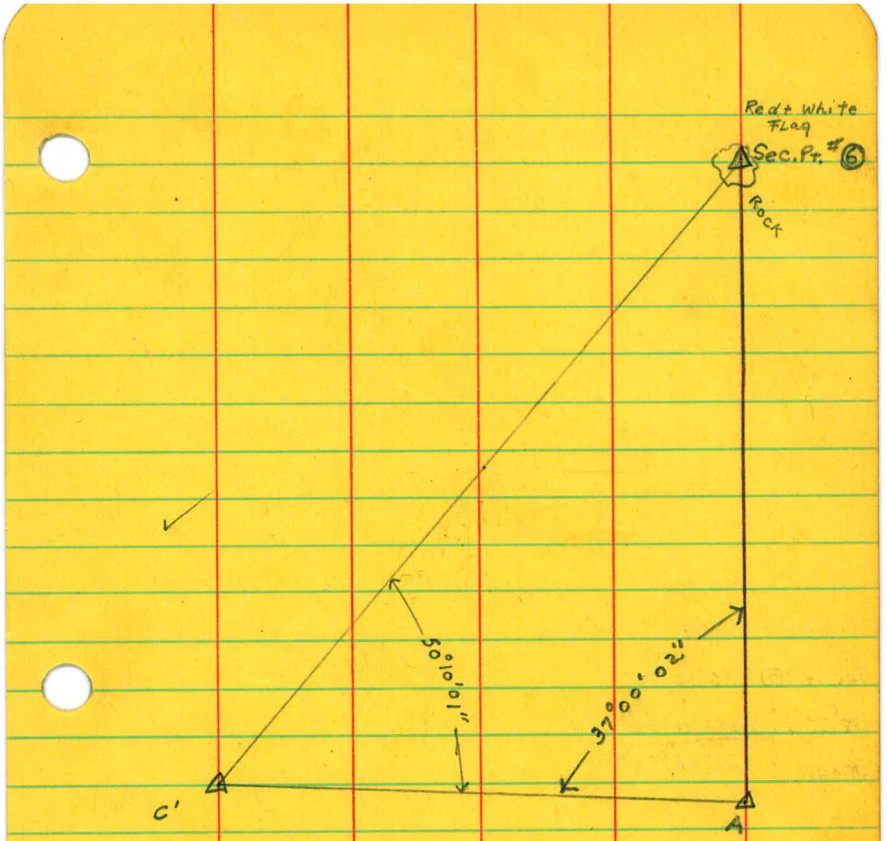
Calc - JB

Sheet 109

Sec. Pt. # ⑥ 50°10'

℄ C' ℄ 200°90'05"
50°10'01"

B.S = A



Sheet #109

Sec. Pt. #6 50°10'01"

π = C'

B.S. = A

Sec. Pt. #6 37°00'00"

π = A 4 | 148°00'10"

B.S. = C' 37°00'02"

Sheet #114

Sec. Pt. #⑦ 26°32'50"

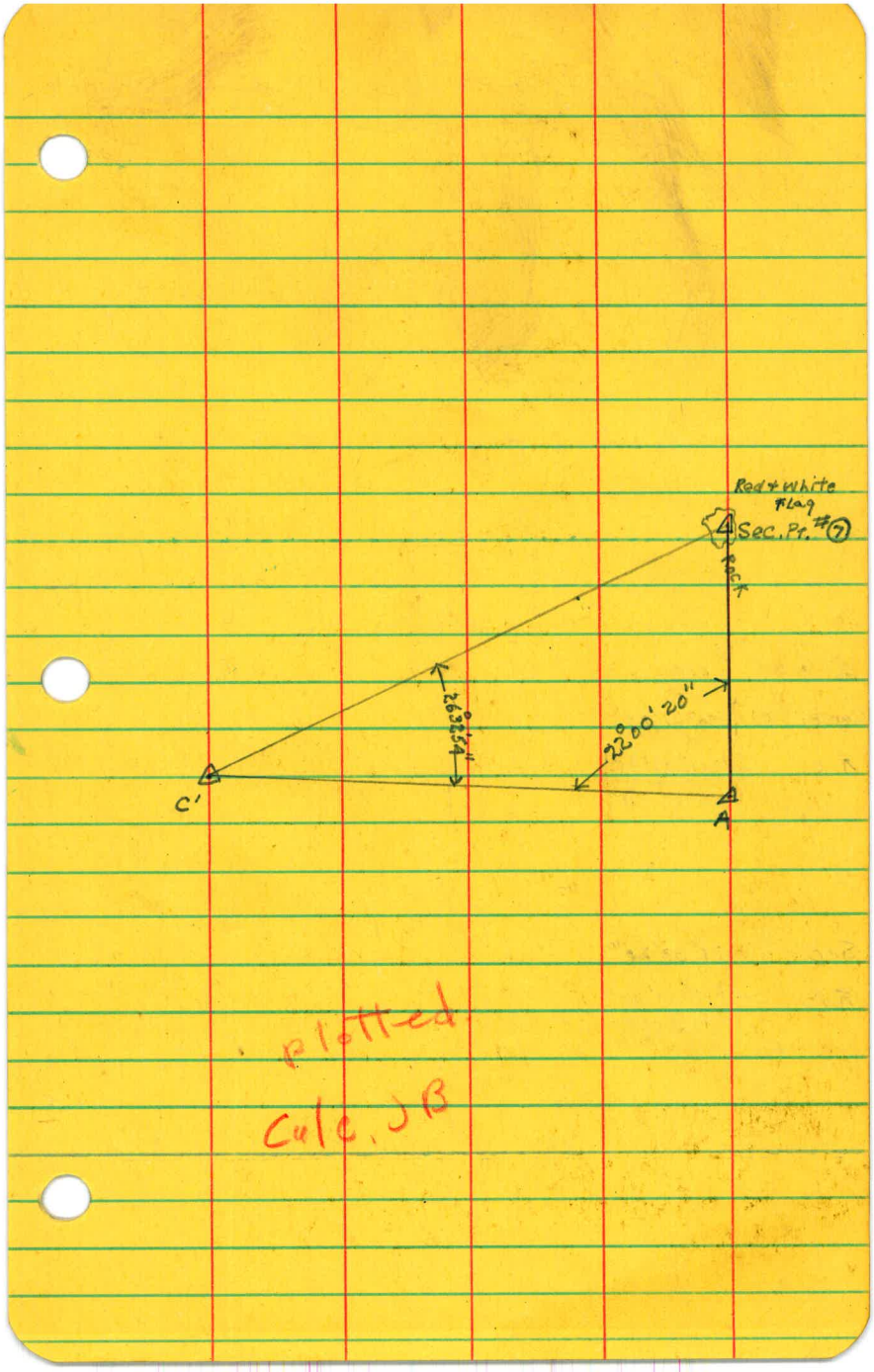
π C' + 106°11'35"

B.S. = A 26°32'59"

Sec. Pt. #⑦ 22°00'20"

π = A + 88°01'20"

B.S. = C' 22°00'20"



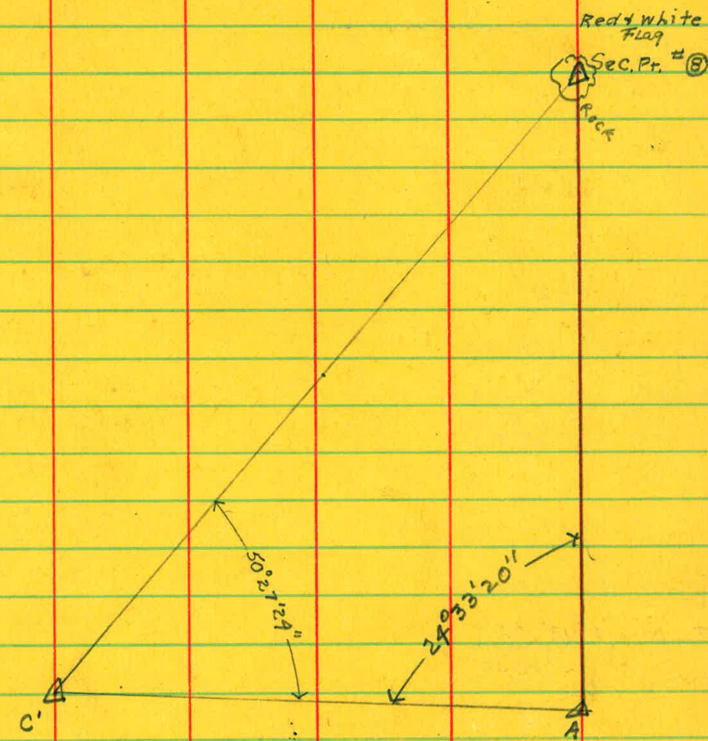
plotted

Calc. JB

Sheet # 114

Sec. Pt. #⑧		50°27'25"
∠ c'	+	201°49'35"
B.S. = A		50°27'24"

Sec Pt. #⑧		24°33'20"
∠ A	+	98°13'20"
B.S. = C'		24°33'20"

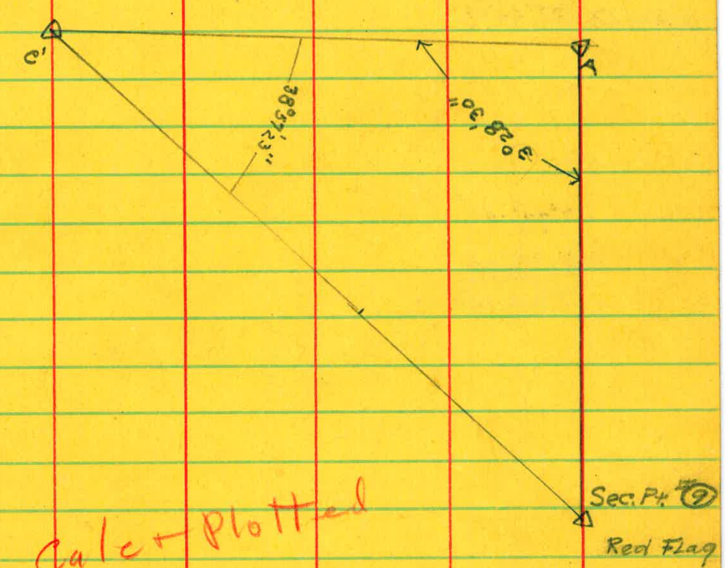


plotted-
Dale J.B.

Sheet #121

Sec. Pt. #⑨	38°57'30"
B.S. = A' +	155°19'30"
π C'	38°57'23"

Sec. Pt. #⑨	3°28'40"
π = A' +	13°54'
B.S. = C'	3°28'30"



Calc + Plotted

J.B.

On Boundry Between Sheets #120-121

Sec. Pt. #(10) 85°49'

πC' 4 | 342°56'30"

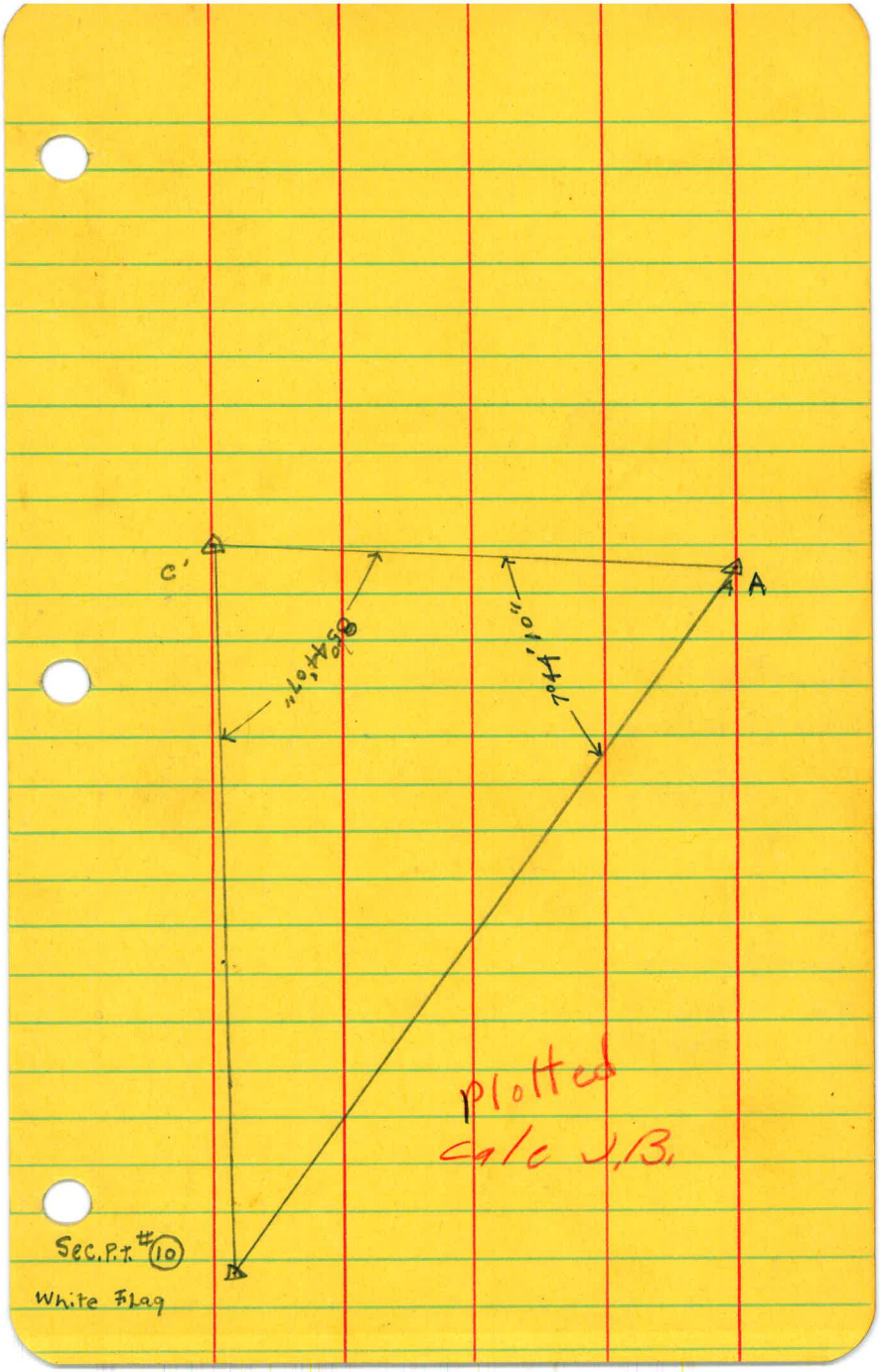
85°49'07"

B.S. = A

7°44'10"

4 | 30°56'40"

7°44'10"



plotted
c/c J.B.

Sec. P.I. # (10)

White Flag

Sheet # 120

Sec. Pt. # (11) 137°57'40"

PC' + 51°50

137°57'30"

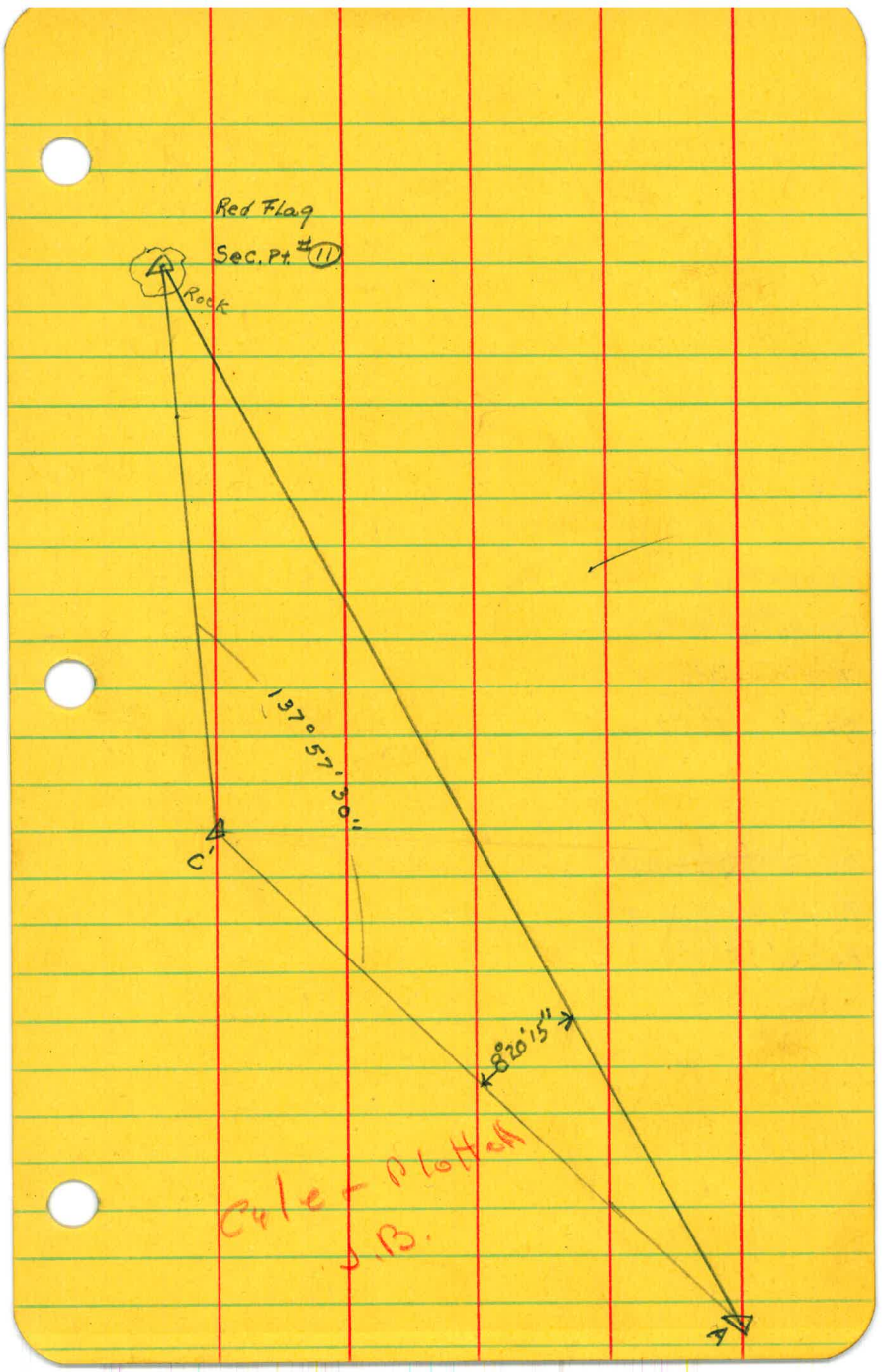
B.S = A

Sec. Pt. # (11) 8°20'20'

PT = A' + 33°21'

8°20'15"

B.S. = C'


Red Flag
Sec. Pt. #11
Rock
137° 57' 30"
C
8° 20' 15"
A
Calef Plotted
J.B.

Sheet # 113

Sec. Pt. # (12) 97°01'

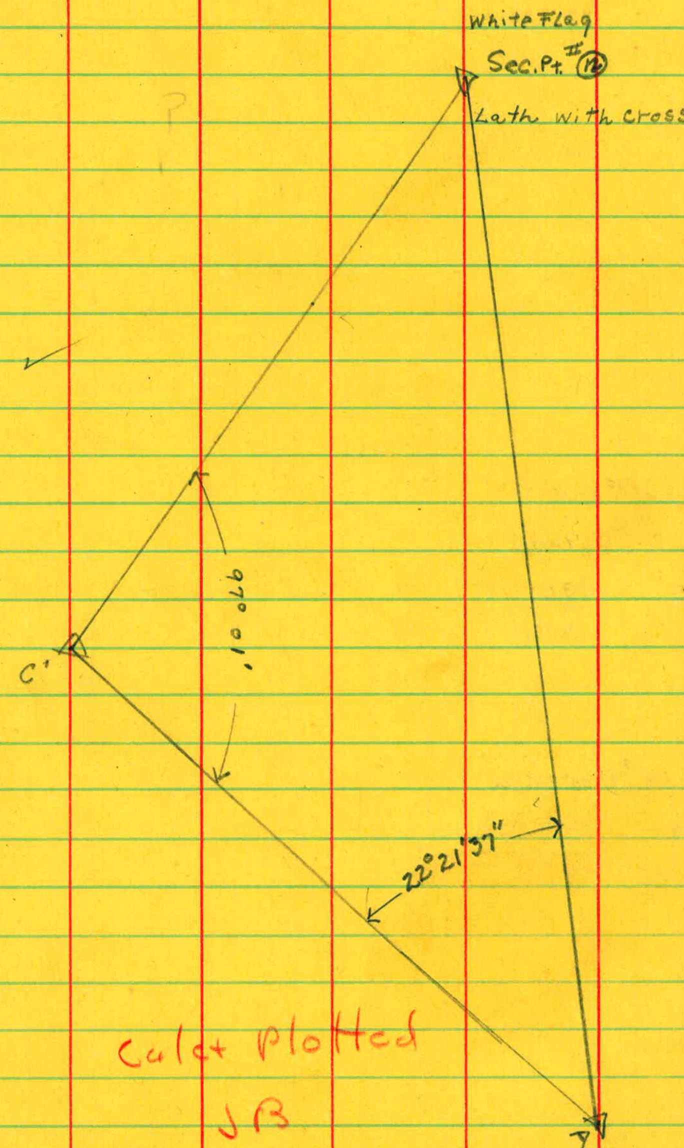
π c' 4 388°04'
97°01'

B.S. = A'

Sec. Pt. # (12) 22°21'30"

π = A' 4 89°26'05"
22°21'37"

B.S. = C'



Calct Plotted

JB

Sheet # 108

Sec. Pt. #(13) 96°48'

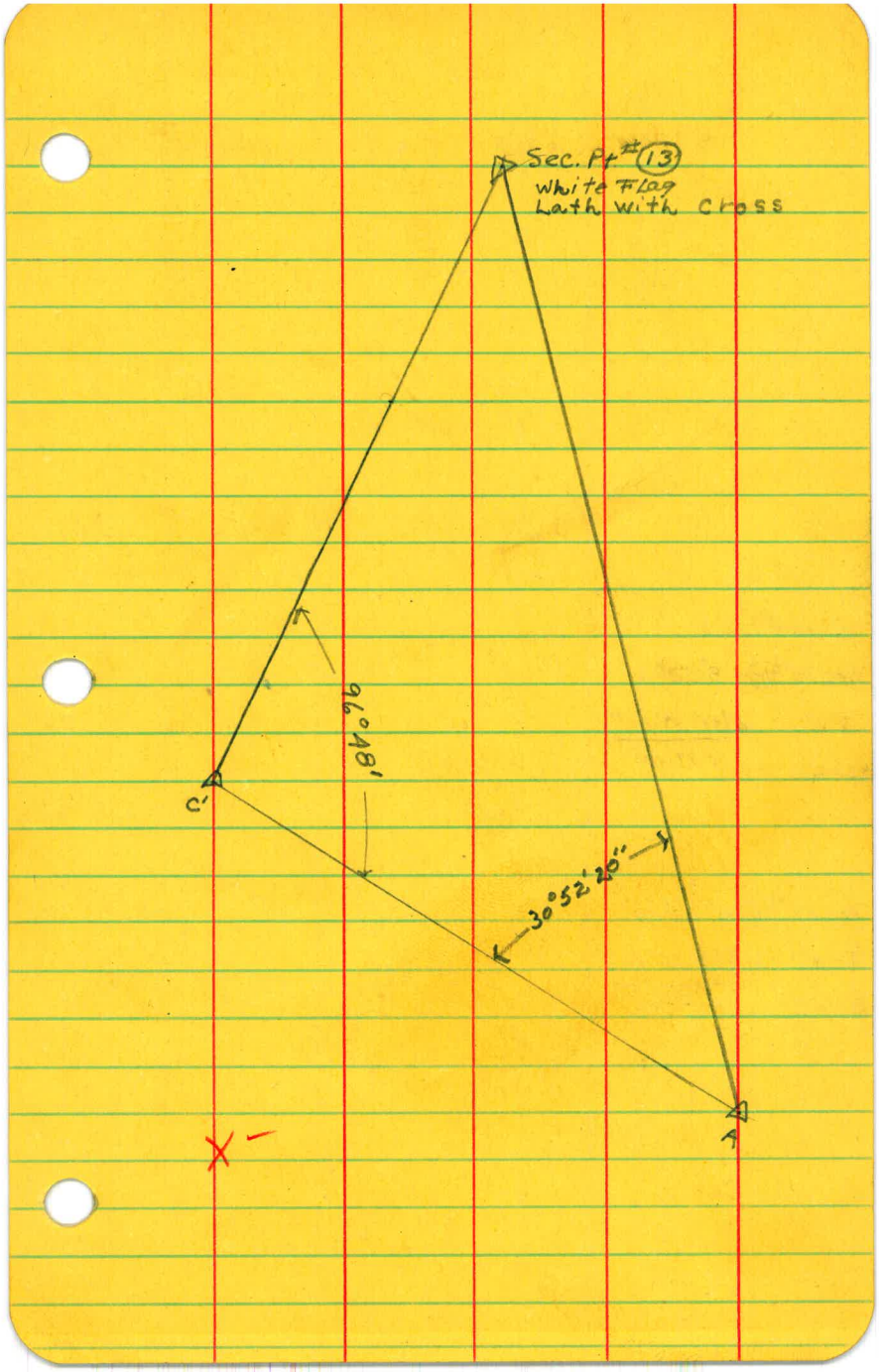
π C' 4 | 387°12'

B.S.=A' 96°48'

Sec. Pt. #(13) 30°52' 20"

π A' | 123°29'20

B.S.=C' 30°52'20"


Sec. Pt. # (13)
White Flag
Lath with Cross
96°48'
C
30°52'20"
A

Sheet # 121

Sec. Pt. # (14) 8°37'45"

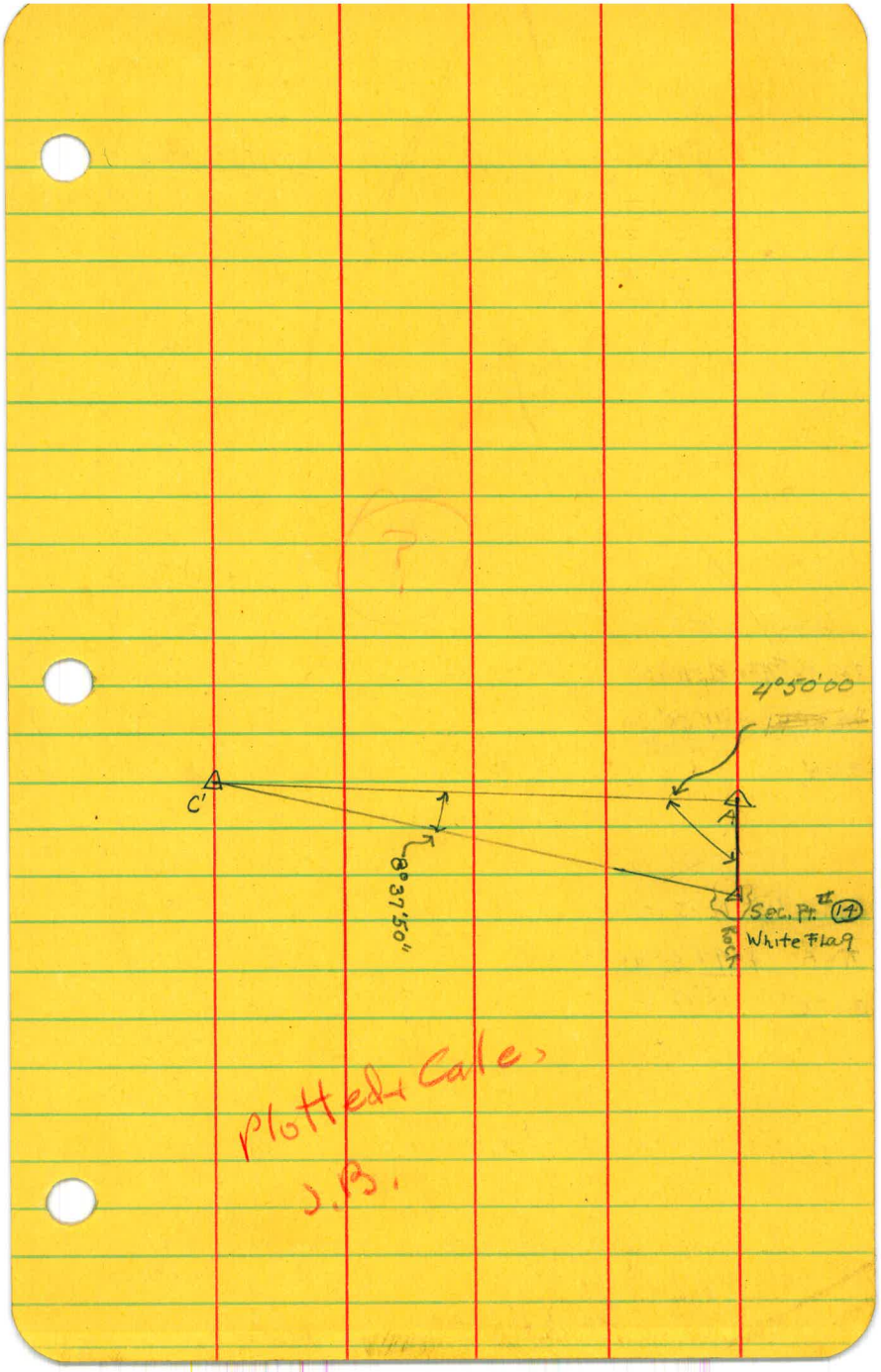
π C' 4 | 31°31'20"

BS = A 8°37'50"

Sec. Pt. # (19) 4°50'09"

π = A' 4 | 19°20'00"

B.S. = C' 4°50'00"



Plotted Calc.

J.B.

Sheet # 115

Sec. Pt. # (15) 2°58'40"

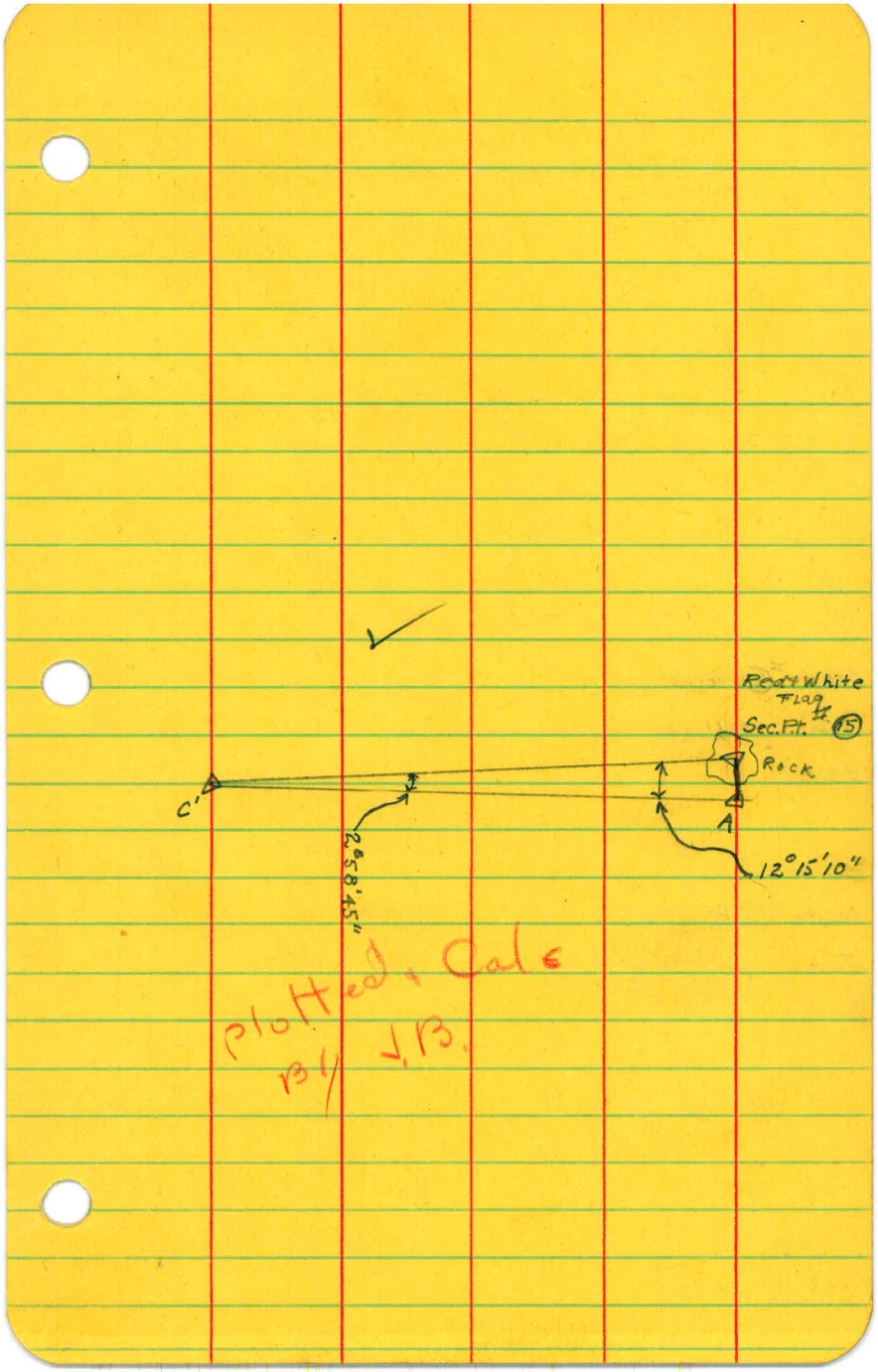
π-C' 4 | 11°55'
2°58'45"

B.S.=A'

Sec. Pt. # (15) 12°15'10"

π=A' 4 | 49°00'40"
12°15'10"

B.S.=C'



Plotted & Calc
by V.B.

Sheet 109A

Sec. Pt. # (16) 28°20'

π C' 4 113°20'
28°20'

B.S. A

Sec. Pt. # (16) 83°57'55"

π A 4 335°51'15"
83°57'49"

B.S. C'

Secondary Points Nos -
#2 (Marked on lath 110 B)
#16 B and 16 A

Clear & Cool

Party - Leach.
Simpson
Rayner.

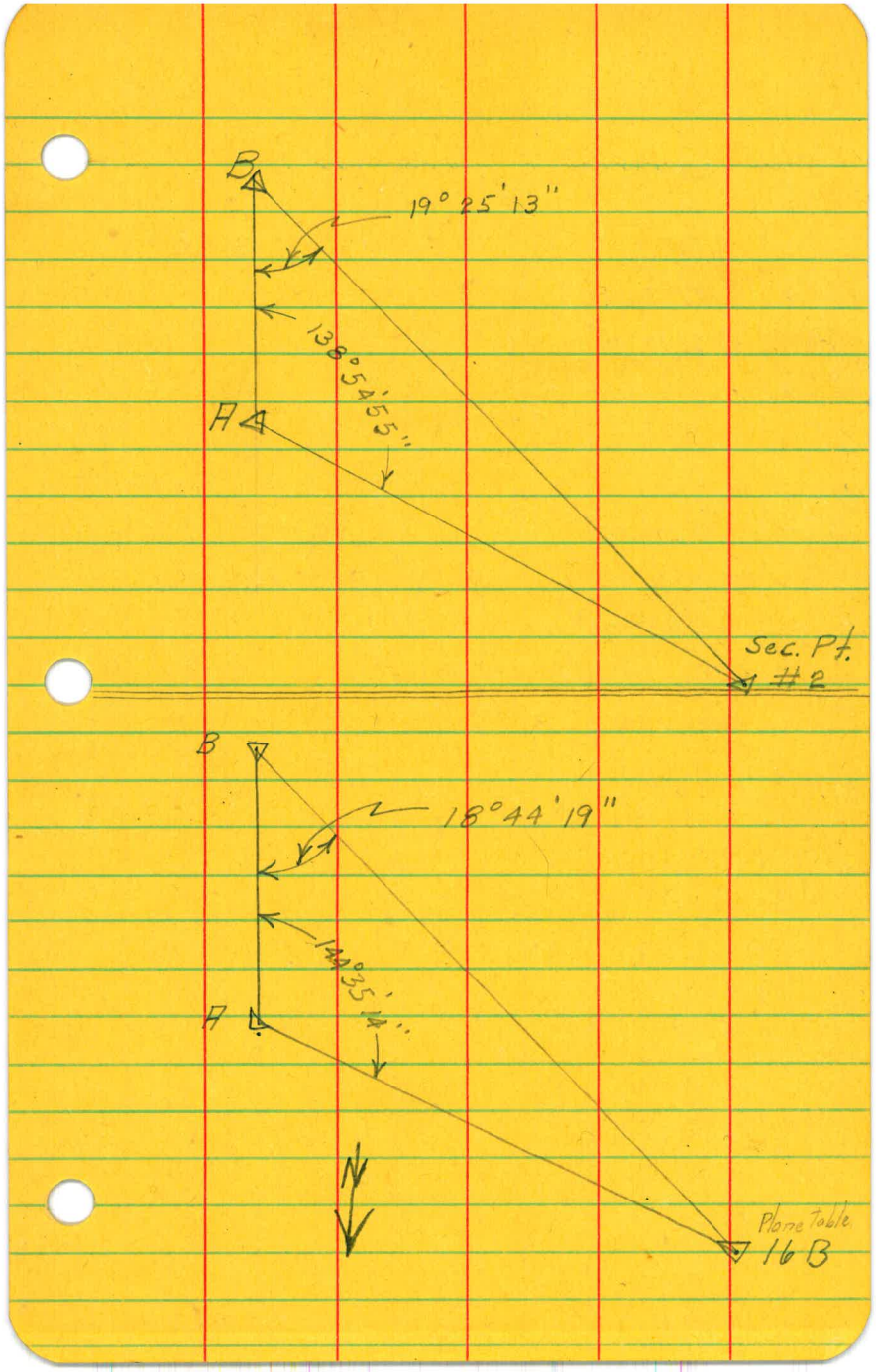
June - 22, 1927.

Sec. Pt.
# 2 138°55'05"
T = A 4 555°39'38" Angle = R.
B.S. = B. 138°54'55"

Sec. Pt.
# 2 19°25'15"
T = B. 4 77°40'50 Angle = L
B.S. = A 19°25'13"

Plane Table
16 B 144°35'25"
T = A. 4 578 20 55 Angle = R.
B.S. = B. 144°35'14"

16 B
Plane Table 18°44'15"
T = B. 4 74°51'07" Angle = L
B.S. = A 18°44'19"


B
19° 25' 13"
138° 54' 55"
A
Sec. Pt. #2
B
18° 44' 19"
144° 35' 14"
A
N
Plane Table 16 B

Red Flag (Base)

16 A 155° 19' 30"

A = A 4 62° 17' 10" Angle = R.

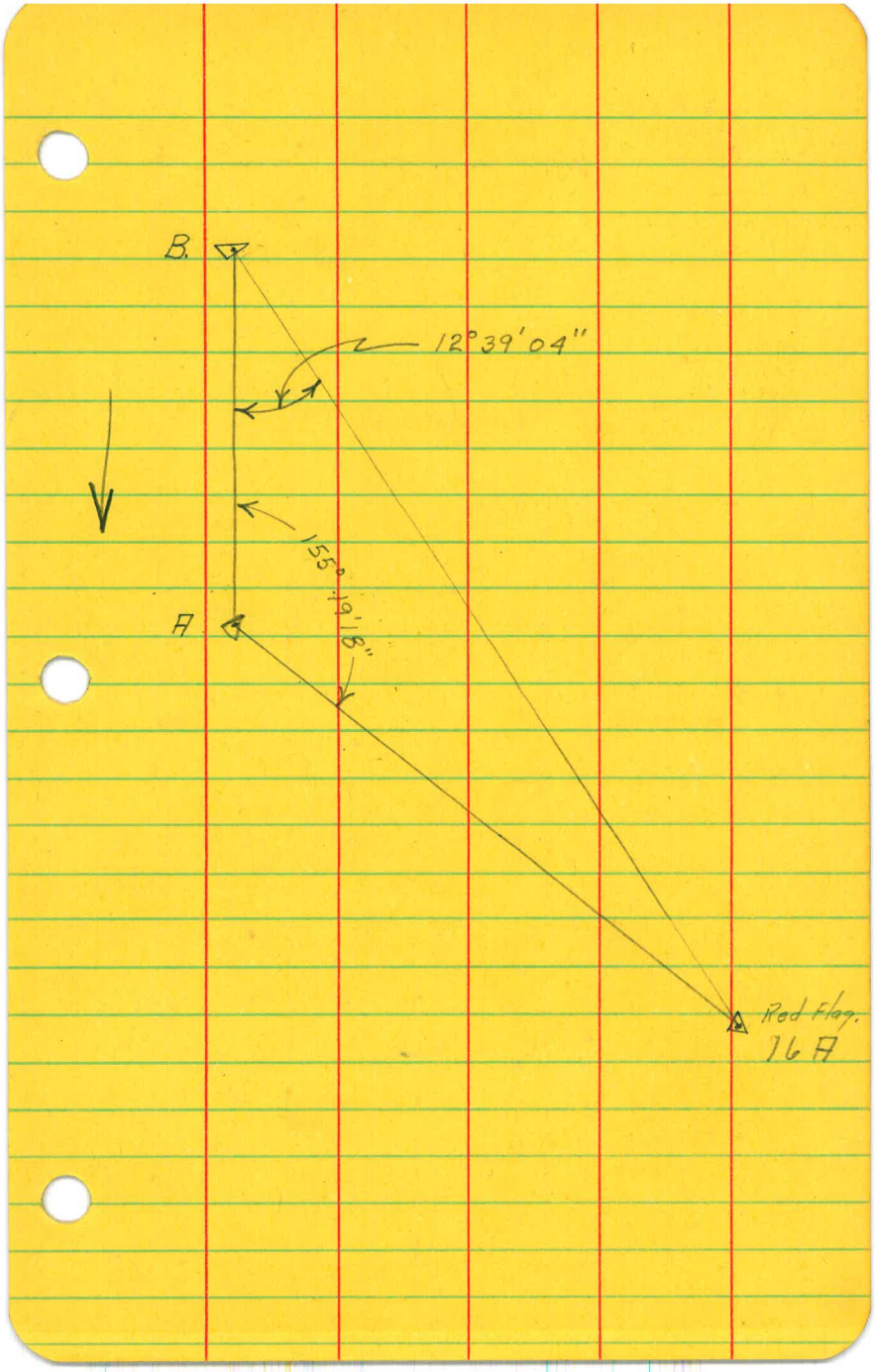
B.S. = B. 155° 19' 18"

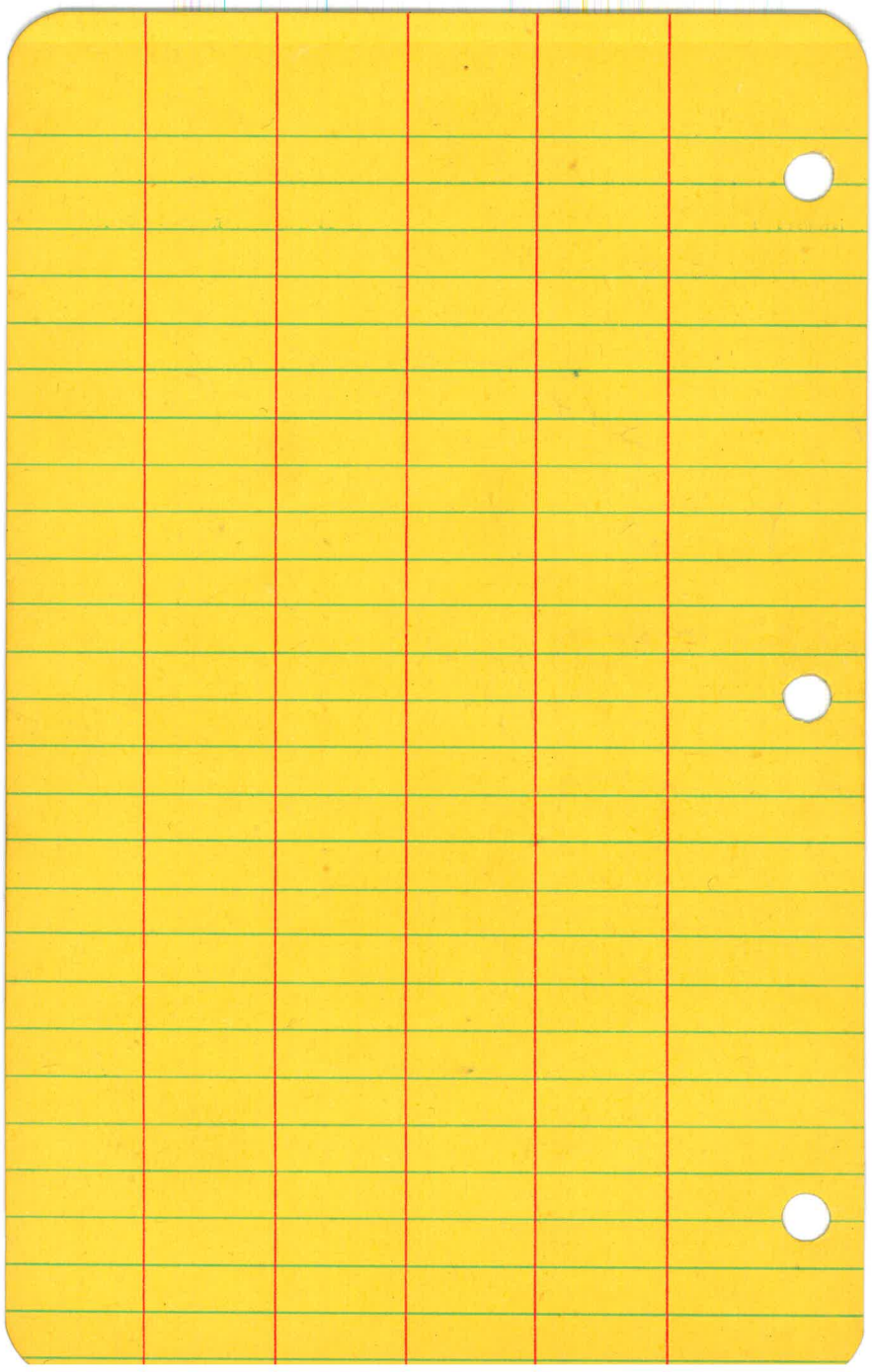
Red Flag (Base)

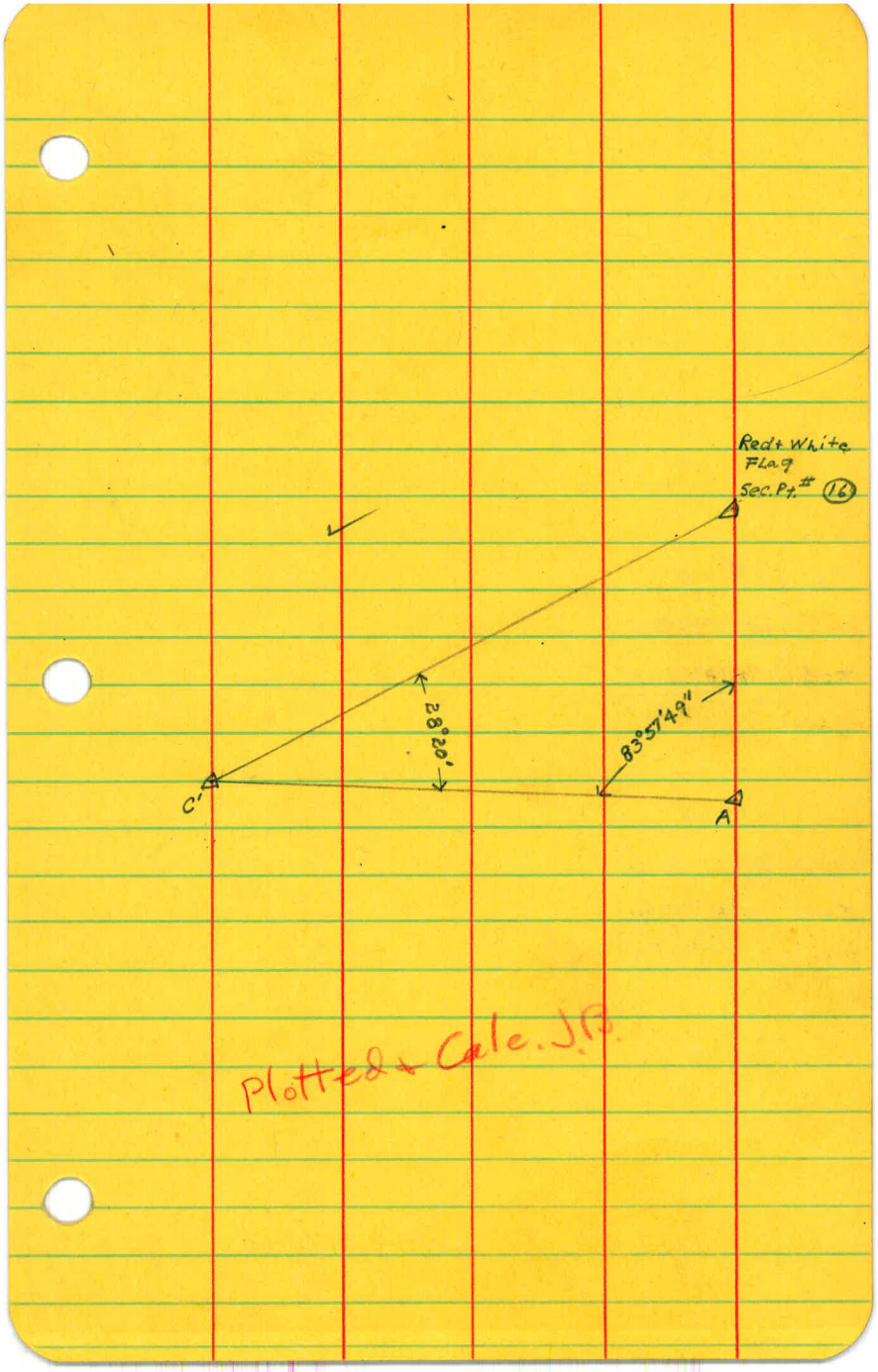
16 A 12° 39' 08"

A = A 4 50° 36' 15" Angle = L.

B.S. = B. 12° 39' 04"


B.
12°39'04"
155°19'16"
A
Rod Flag.
16 A





Plotted & Calc. JP

Sheet # 109

Sec. Pt. # (17) 19°31'20"

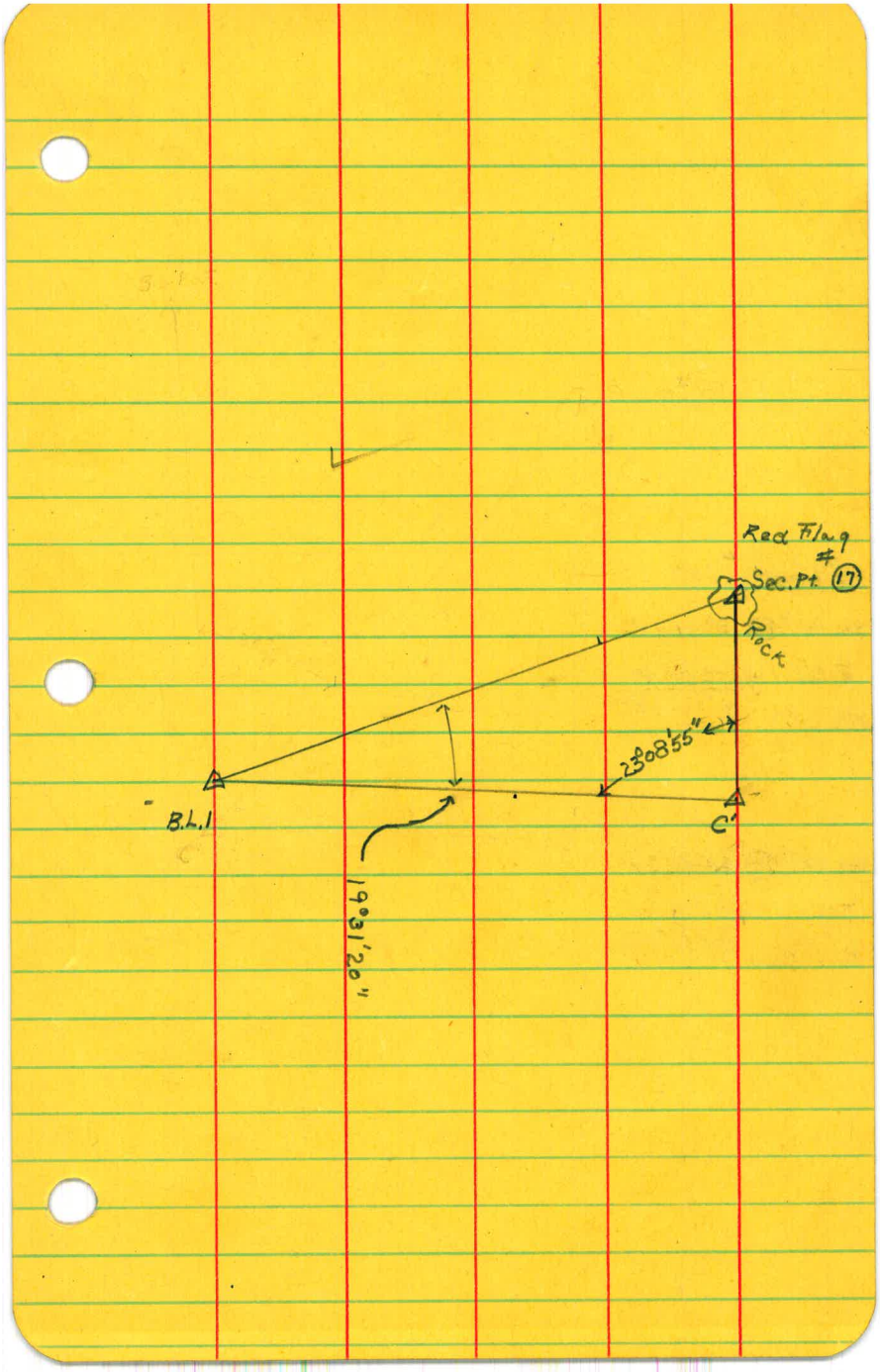
π = B.L.1 4 78°05'20"

B.S. = C' 19°31'20"

Sec. Pt. # (17) 23°08'50"

π = C' 4 92°35'40

B.S. = B.L.1 23°08'55"


Red Flag
#
Sec. Pt. (17)
Rock
250855"
B.L.1
C'
19°31'20"

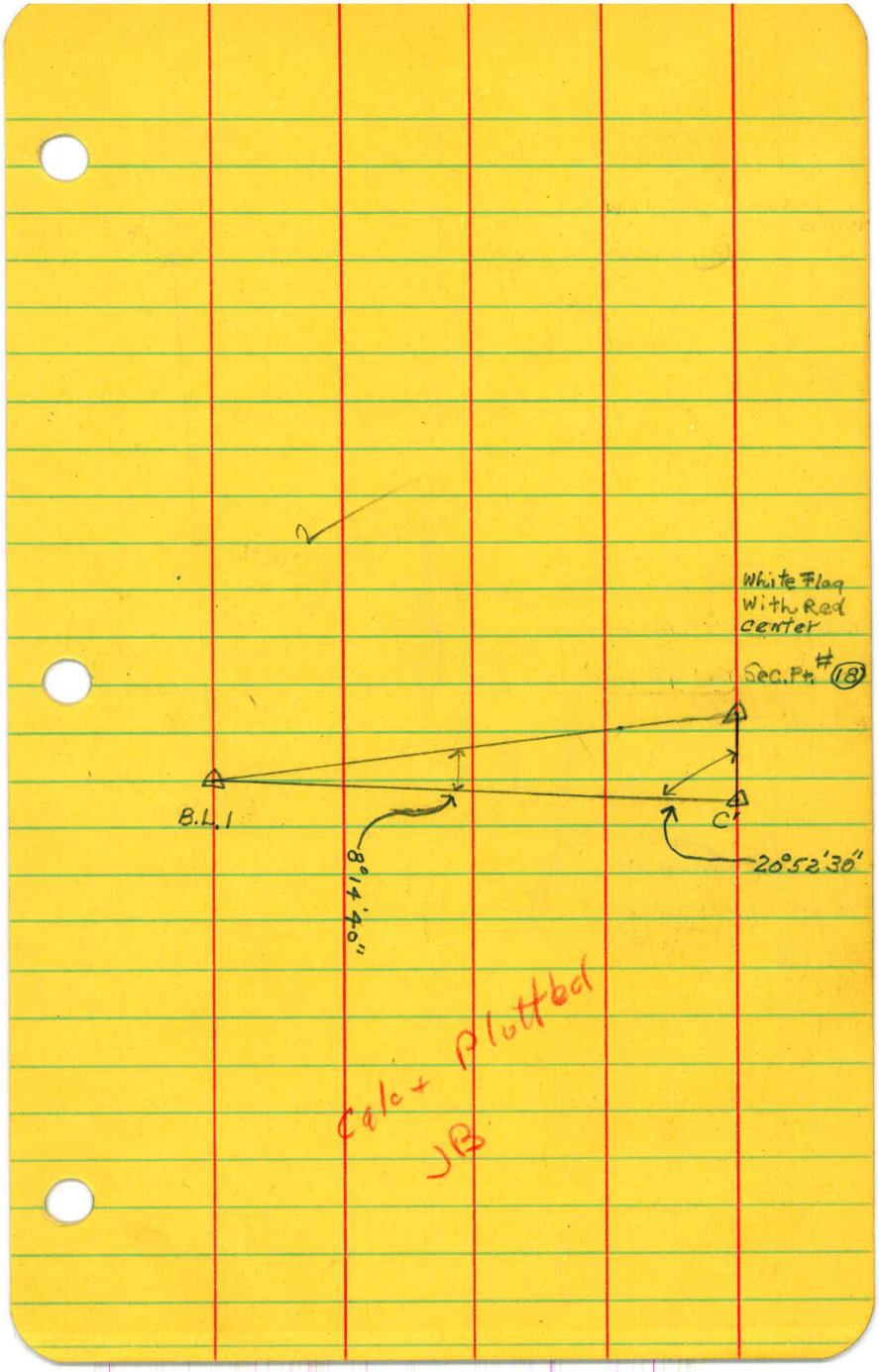
Sheet # 113

Sec. Pt. # (18) 8°14'40"

℄ = B.L. 1 4 | 32°58'40"
B.S. = C' | 8°14'40"

Sec. Pt. # (18) 20°52'20"

℄ = C 4 | 83°30'00"
B.S. = B.L. 1 | 20°52'30"



Calc + plotted
JB

Sheet #108

B.L.P.O.T. 95°27'

π C' ∠ 381°48'

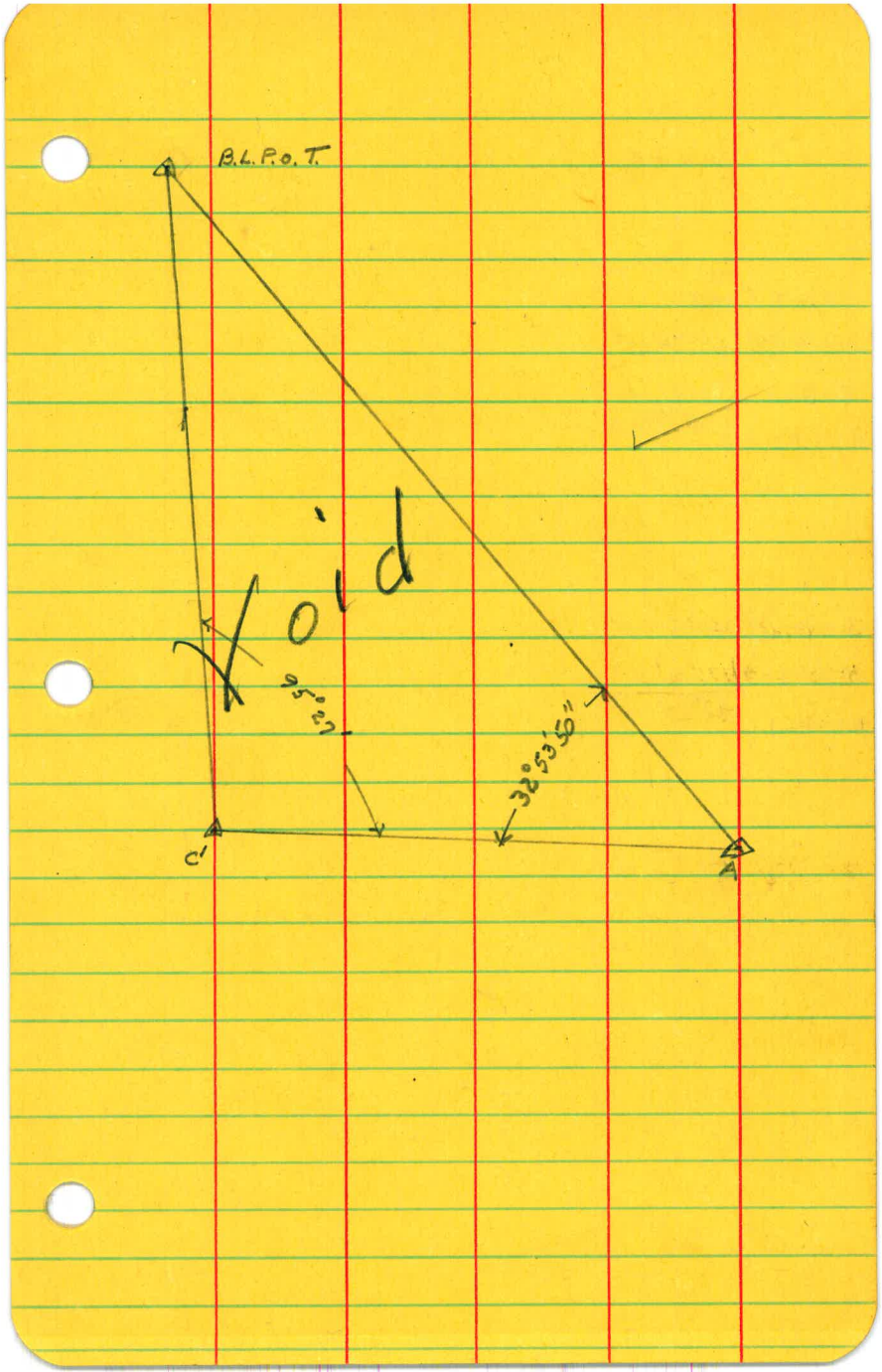
B.S. = A' 95°27'

B.L.P.O.T. 32°53'50"

π = A' ∠ 131°35'20"

B.S. = C' 32°53'50"

108


B.L.P.O.T.
Void
C'
A

Sheet # 103

Sec. Pt. # (19) 45°58'00"

π = B.L. 1 4 | 183°52'10"

45°58'02"

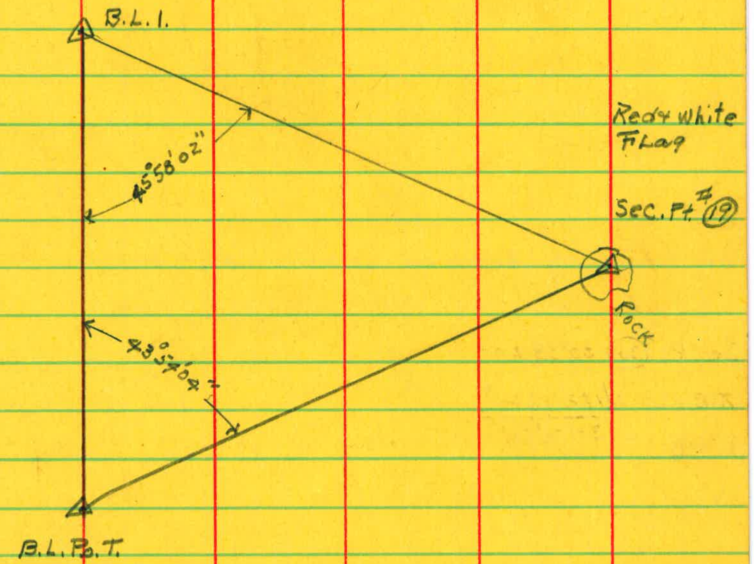
B.S. = B.L. P.o.T.

Sec. Pt. # (19) 43°54'04"

π = B.L. P.o.T. 4 | 175°36'15"

43°54'04"

B.S. = B.L. 1.


B.L.1.
45°58'02"
43°57'04"
B.L.Po.T.
Red & white
Flag
Sec. Pt. # 19
Rock

on Boundry Between Sheets 112 - 107

Sec. Pt. #(20) 30°38'20"

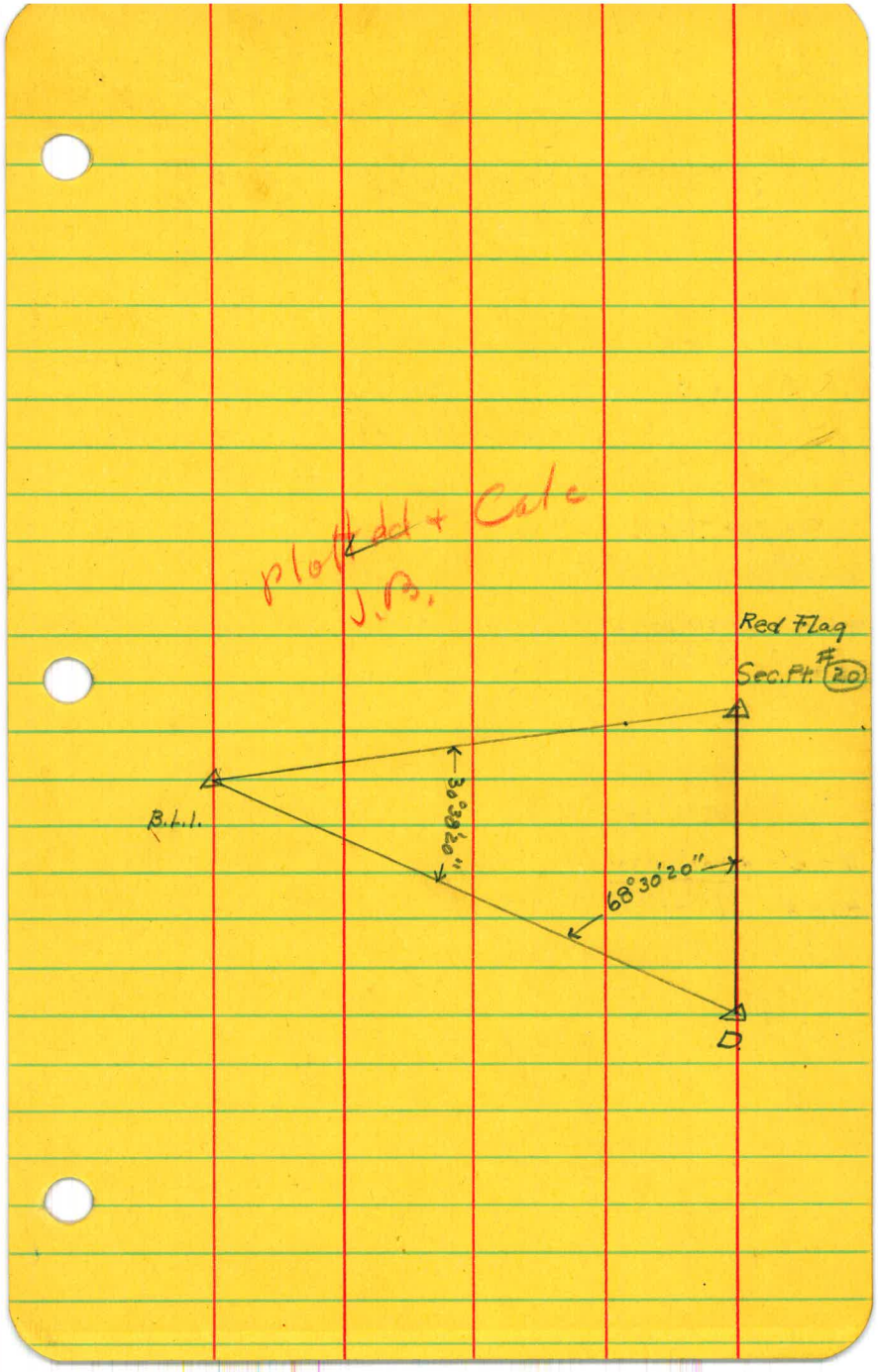
π=B.L.1. 4 | 122°33'20"
30°38'20"

B.S. = D

Sec. Pt. #(20) 68°30'20"

π = D 4 | 274°02'20"
68°30'20"

B.S. = B.L.1.


plotted + Calc
J.B.
Red Flag
Sec. Pt. # 20
B.t.l.
30°38'20"
68°30'20"
D

Sheet # 108

Sec. Pt. # (21) 31°50'00"

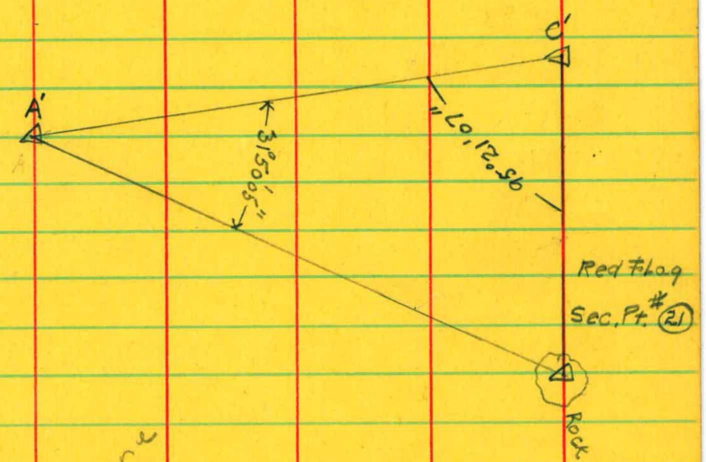
π = A' + 127°20'20"

B.S. = C' 31°50'05"

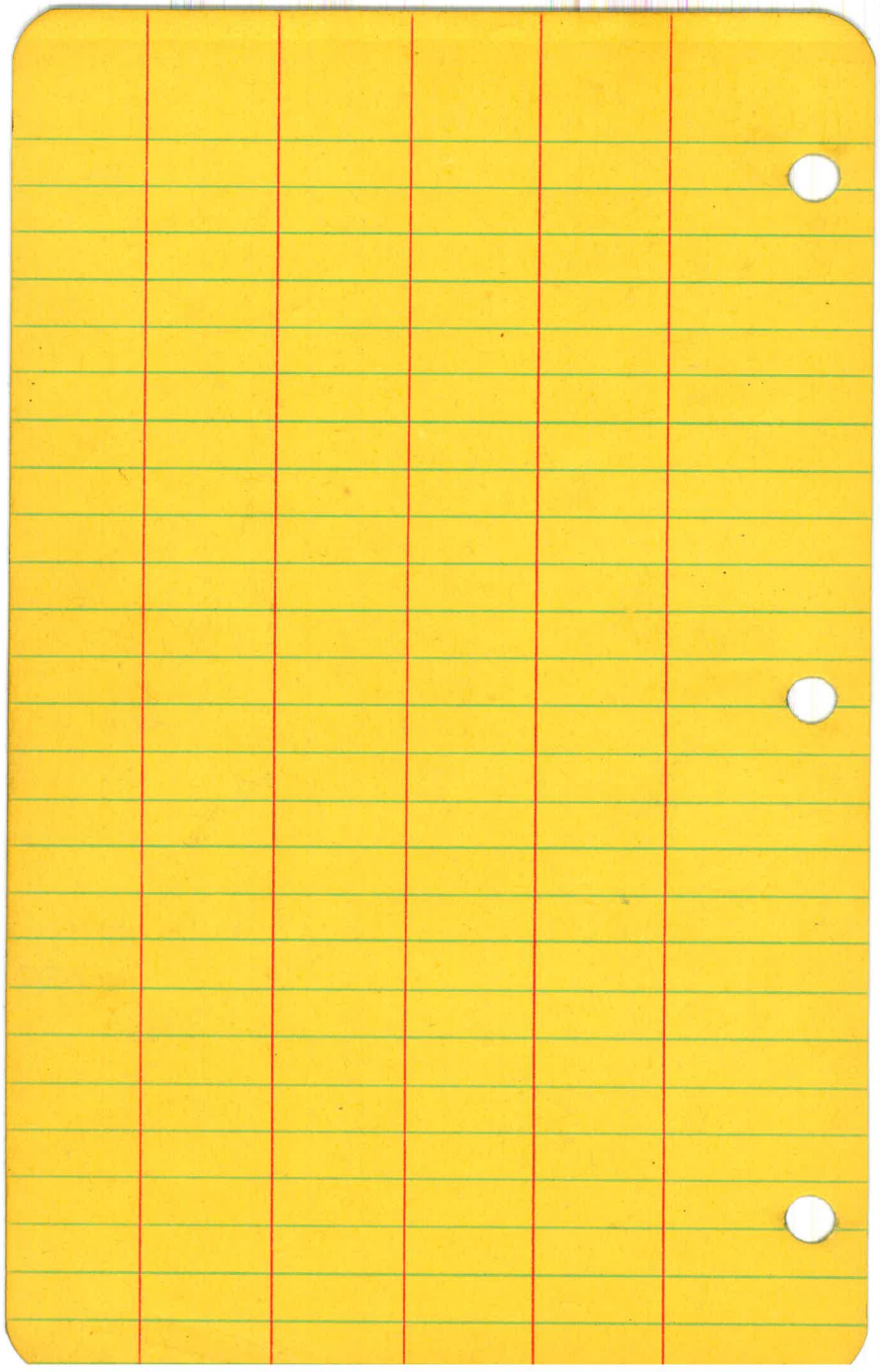
Sec. Pt. # (21) 95°21'00"

π = C' + 381°24'30"

B.S. = A' 95°21'07"

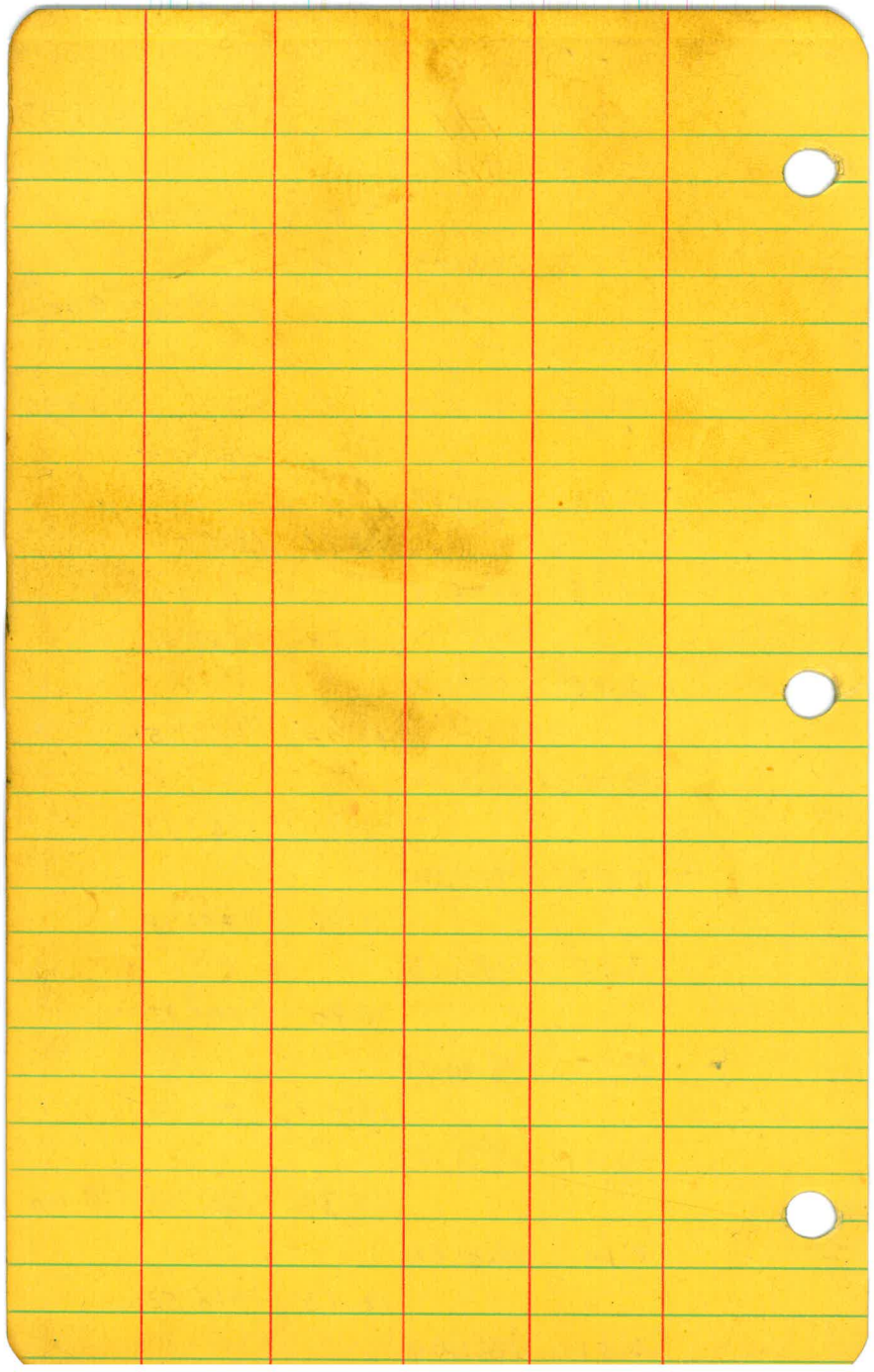


Done

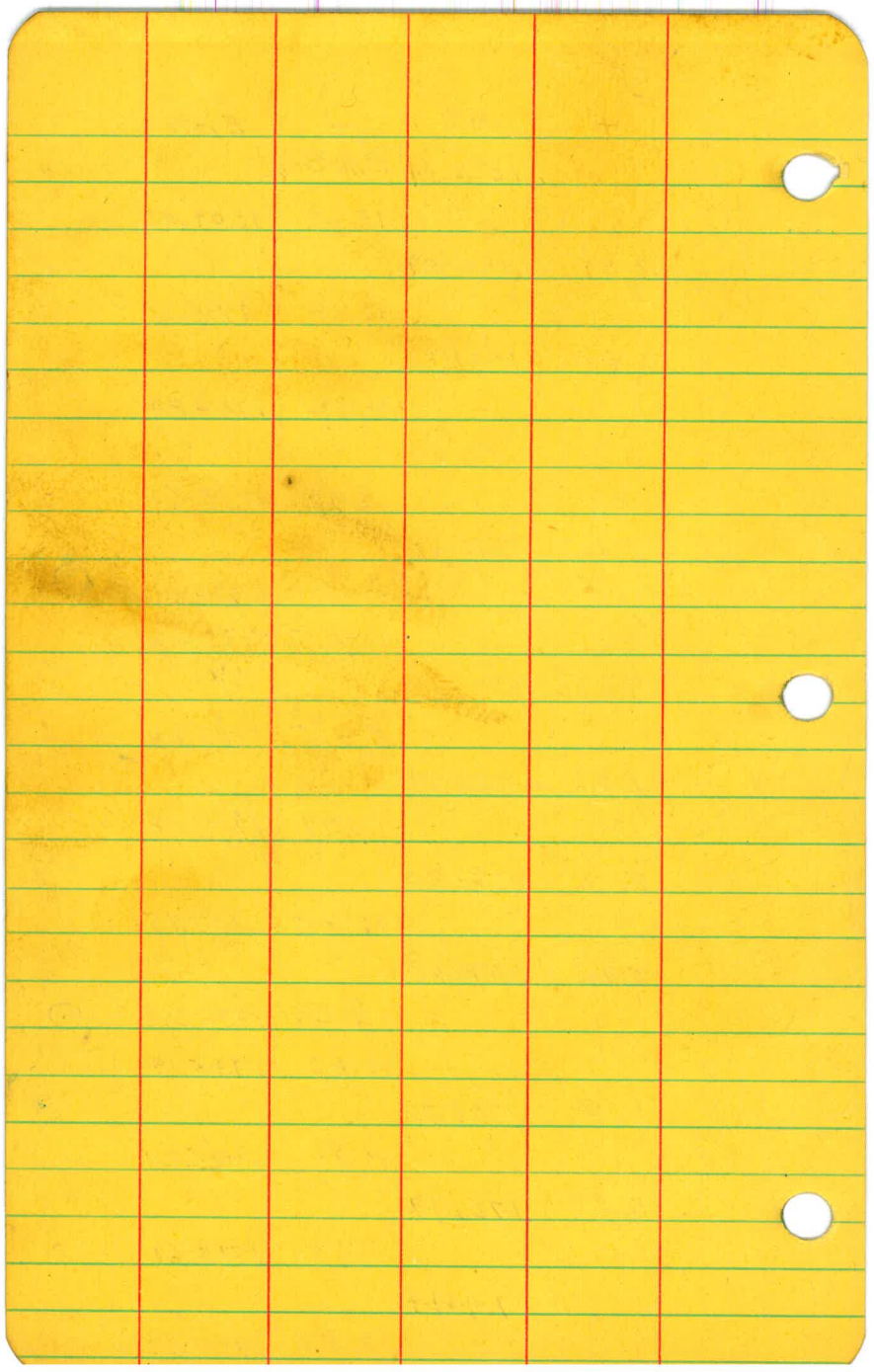


Levels on Secondary Points

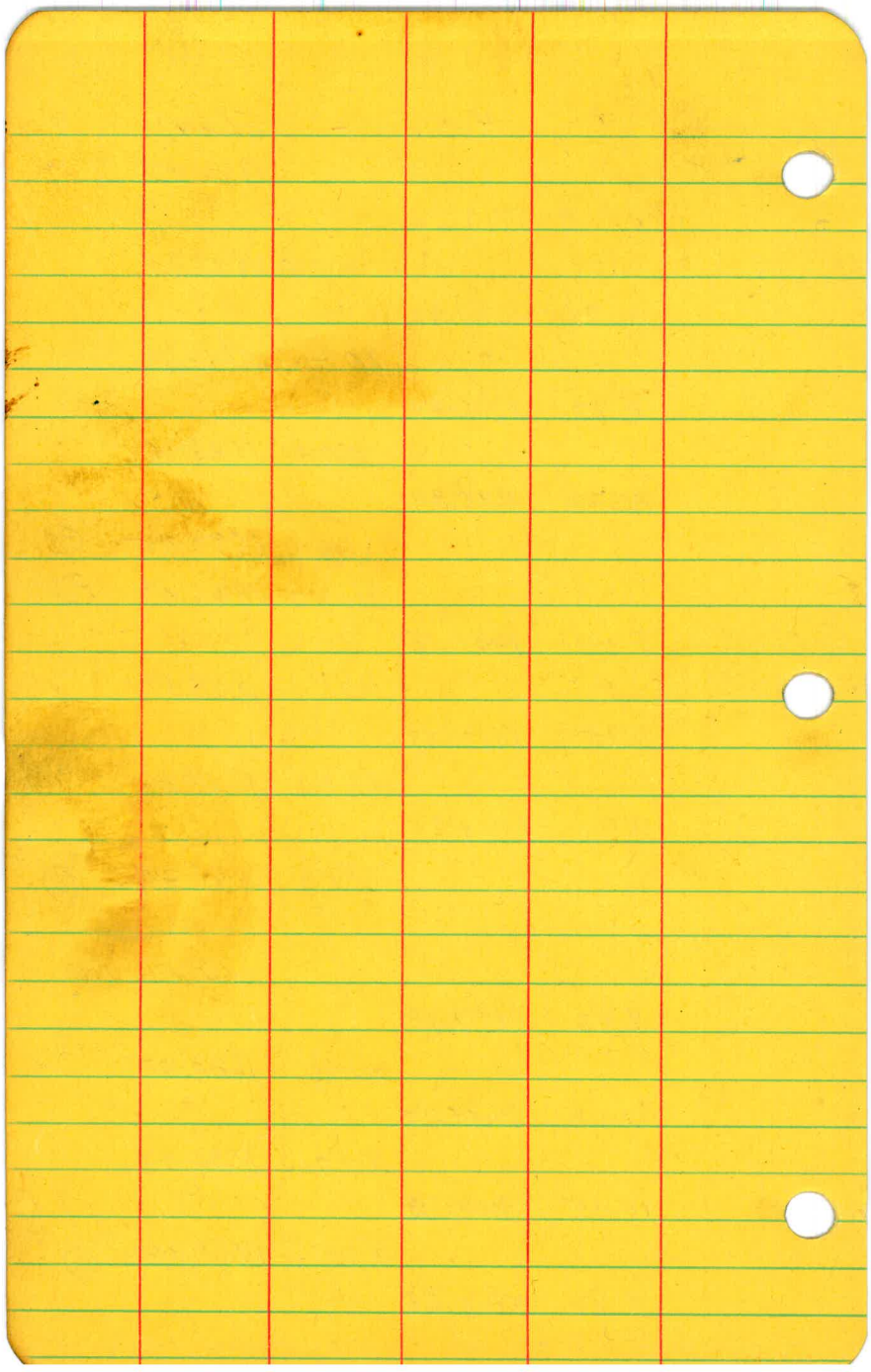
+	Hi	−	Elev.	BM D*21
12.42	1918.41			1905.99
		2.87	1915.54	
9.47	1925.01			
		5.46	1919.55	*C 110 ①
				BM. D*21
4.32	1910.31			1905.99
		10.06	1900.25	
5.34	1905.59			
		12.13	1893.46	
1.73	1895.19			
		12.78	1882.41	
2.36	1884.77			
		12.42	1872.35	
4.09	1876.44			
		12.47	1863.97	
1.83	1865.80			
		12.82	1852.98	
3.15	1856.13			
		12.80	1843.33	
2.95	1846.28			
		12.44	1833.84	
3.04	1836.88			
		10.36	1826.52	*B 110 ②
2.14	1828.66			
		12.13	1816.53	
4.51	1821.04			



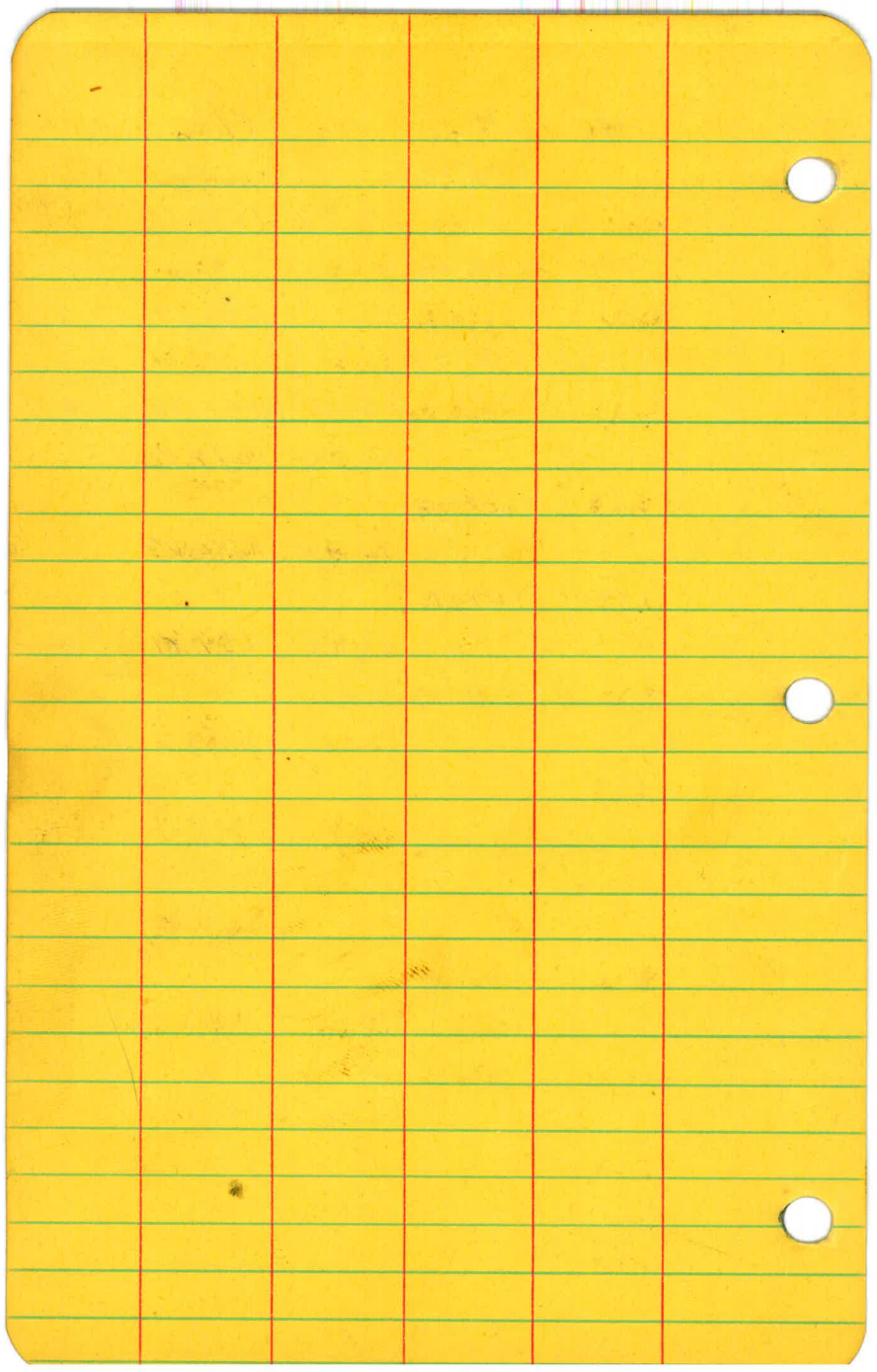
+	HI.	−	El/cv.	
	1821.04	B/10 Sec		
		12.02	1809.02	
2.87	1811.89			
		12.68	1799.21	
2.52	1801.73			
		11.89	1789.84	
1.70	1791.54			
		7.97	1783.57	
2.40	1785.97			sec. B ③
		12.04	1773.93	= ③
		12.35	1773.62	
1.61	1775.23			
		11.95	1763.28	
1.51	1764.79			
		12.71	1752.08	
2.12	1754.20			
		12.05	1742.15	
5.90	1748.05			
		8.53	1739.52	sec. PT. = ④
		12.86	1735.19	T.P.
1.57	1736.76			
		11.51	1725.25	
0.24	1725.49			
		11.88	1713.61	
0.83	1714.44			
		12.36	1702.08	



+	Hi	-	Elev	
			1702.08	T.P.
0.18	1702.26			
		12.05	1690.21	
0.71	1690.92			
		10.46	1680.46	T.P.
5.94	1686.40			
		0.74	1685.66	
10.18	1695.84			
		1.99	1693.85	= See Pt. (5)
		10.75	1685.09	T.P.
2.09	1687.18			
		11.61	1675.57	
2.70	1678.27			
		12.42	1665.85	
5.40	1671.25			
		9.53	1661.72	= See Pt. (6)
			1680.46	T.P.
7.02	1687.48			
		0.66	1686.82	
11.08	1697.90			
		3.77	1694.13	
10.45	1704.58			
		3.10	1701.48	= See Pt. (7)
3.80	1705.28			



+	H.i.	−	Elev.	
	1705.28			
		10.82	1694.46	
1.94	1696.40			
		11.41	1684.99	
4.75	1689.74			
		5.16	1684.58	See P.T. #8
		12.22	1677.52	
3.56	1681.08			
		10.45	1670.63	
1.52	1672.15			
		12.18	1659.97	T.P. Near Bee-Gee Mines



+	I	−	Elev.	B.M's
			1776.60	B.M #1 Near Green House
12.57	1789.17			
		1.73	1787.44	
12.85	1800.29			
		0.46	1799.83	
9.92	1809.75			
		7.02	1802.73	B.P.
3.27	1806.00			
		8.28	1797.72	
1.28	1799.00			
		12.39	1786.61	
2.90	1789.51			
		12.36	1777.15	
2.02	1779.17			
		9.88	1769.29	Sec. Pt. #15
			1802.73	T.P.
3.14	1805.87			
		12.77	1793.10	
1.60	1794.70			
		9.20	1785.50	
1.48	1786.98			
		10.97	1776.01	
0.85	1776.86			
		10.26	1766.60	
0.64	1767.24			

+	℄	−	Elev.	
	1767.24			
		11.35	1755.89	
1.19	1757.08			
		3.81	1753.27	
9.61	1762.88			
		8.97	1753.91	
4.30	1758.21			
		5.83	1752.38	
2.05	1754.43			
		9.55	1744.88	
8.42	1753.30			
		5.93	1747.37	
2.08	1749.45			
		11.07	1738.38	
0.41	1738.79			
		10.22	1728.57	
5.79	1734.36			
		0.74	1733.62	T.P.
3.77	1737.39			
		10.40	1726.99	Sec. PT. = #14
			1733.62	T.P.
9.12	1742.74			
		2.20	1740.54	
8.86	1749.40			
		10.02	1739.38	

3.77

+	H.I.	−	Elev	
			1739.38	
2.67	1742.05			
		4.45	1737.60	
7.76	1745.36			
		1.62	1743.68	
3.75	1747.43			
		11.12	1736.31	
1.44	1737.75			
		7.94	1729.81	
4.99	1734.80			
		11.75	1723.05	
0.13	1723.18			
		11.68	1711.50	
0.53	1712.03			
		12.09	1699.94	
0.77	1700.71			
		11.60	1689.11	B.M.4
0.41	1689.52			
		4.66	1684.86	
6.20	1691.06			
		11.50	1679.56	
0.90	1680.46			
		11.70	1668.76	
0.61	1669.37			
		12.16	1657.21	
0.18	1657.39			

+	↑	−	Elev.	
	1657.39			
		9.68	1647.71	
0.30	1648.01			
		7.40	1640.61	
1.90	1642.51			
		11.98	1630.53	
0.37	1630.90			
		11.18	1619.72	
0.20	1619.92			
		6.94	1612.98	
12.68	1625.66			
		0.90	1624.76	
10.60	1635.36			
		1.75	1633.61	
10.93	1644.54			
		1.01	1643.53	
10.01	1653.54			
		0.21	1653.33	
10.48	1663.81			
		3.64	1660.17	See Pt. #12

+	Hi	−	Elev.	
			1689.11	B.M.
5.18	1694.29			
		4.30	1689.99	
12.95	1702.94			
		0.34	1702.60	
12.66	1715.26			
		2.13	1713.13	
11.02	1724.15			
		2.17	1721.98	
12.40	1734.38			
		0.36	1734.02	
12.18	1746.20			
		0.39	1745.81	
12.27	1758.08			
		0.63	1757.45	
11.89	1769.34			
		0.17	1769.17	
11.66	1780.83			
		0.85	1779.98	
12.59	1792.57			
		0.90	1791.67	
12.66	1804.33			
		0.39	1803.94	
12.87	1816.81			
		1.11	1815.70	

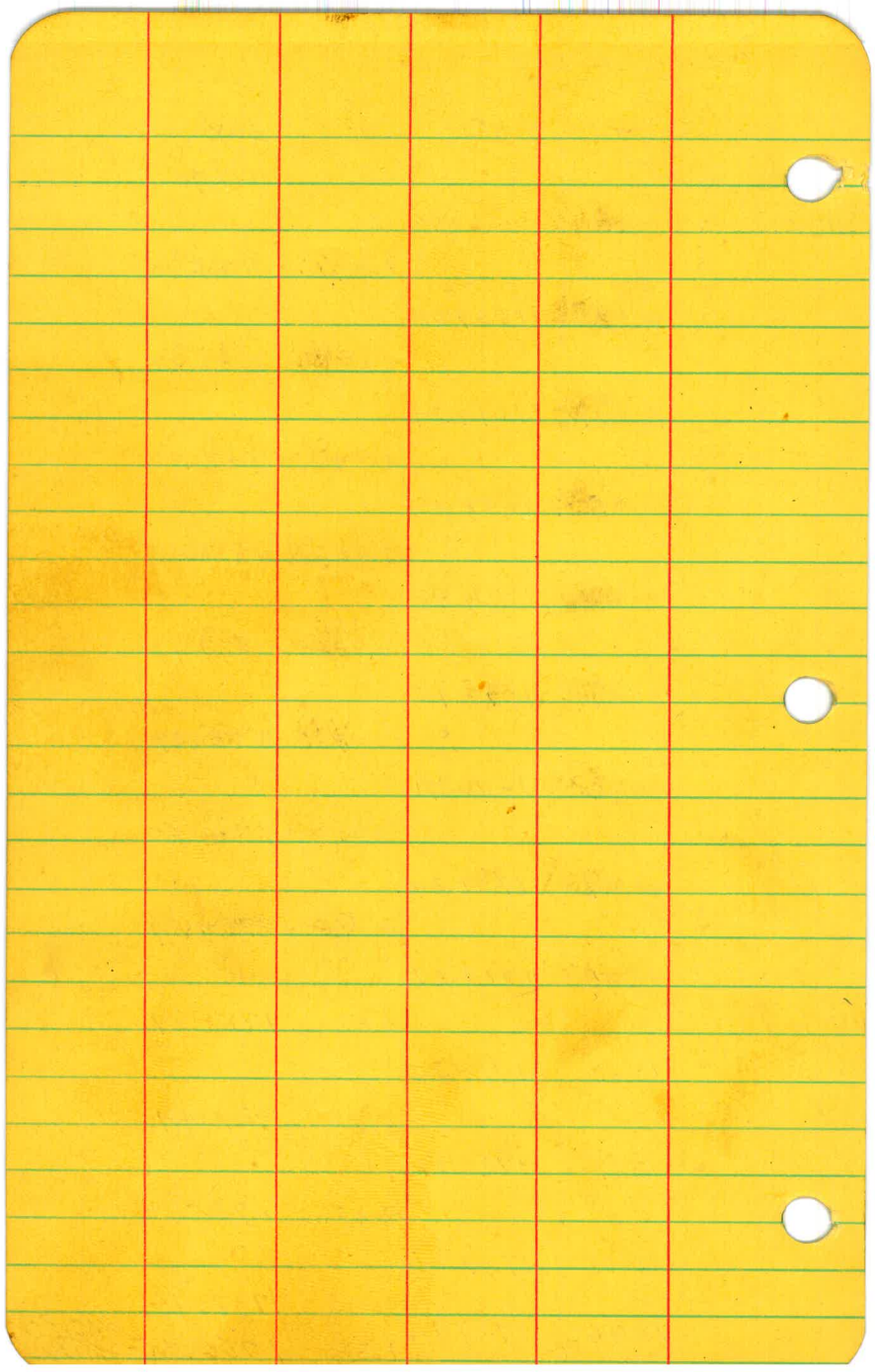
	+	Hi	−	Elev	
				1815.70	
	11.83	1827.53			
			1.28	1826.25	
	12.09	1838.34			
			0.08	1838.26	
	12.67	1850.93			
			1.83	1849.10	
	12.34	1861.44			
			0.11	1861.33	
	12.69	1874.02			
			1.26	1872.76	
	11.64	1884.40			
			0.16	1884.24	
	12.36	1896.60			
			0.81	1895.79	
	10.49	1906.28			
			4.88	1901.40	See PT. #9
			12.05	1894.23	
	1.45	1895.68			
			13.05	1882.63	
	1.05	1883.68			
			10.17	1873.51	
	2.55	1876.06			
			12.94	1863.12	See PT 10
Δ					

BM	Descript.	Elev
D-18	Pt in Top Rock	1920.82
" 19	" "	1918.69
" 20	Bum Dea Rock	1916.81
" 21	NAIL in HUB	1905.99
USGS BM County Rd		1776.729
E-1	Highest pt. on Rock about 20' from fence Corner Near Green House	1776.60
" 2	NAIL in HUB on W. side of COUNTY DIRT RD ON TOP HILL	1799.67
" 3	Top of Iron Pipe at 1/16 Cor	1823.87
" 4	NAIL in HUB in The first saddle To The S.E of The 1/16 Cor	1820.30

1657.21
7.87
1665.08
4.78
1660.30

+	Hi	−	Elev	
			1647.71	
1.71	1649.42			
		11.48	1637.94	
0.32	1638.26			
		12.91	1625.35	
0.21	1625.56			
		12.97	1612.59	
0.37	1612.96			
		11.79	1601.17	
0.02	1601.19			
		11.88	1589.31	
1.79	1591.10			
		5.80	1585.30	Jeep Pt. #18
			1647.71	
0.71	1648.42			
		7.85	1640.57	
2.59	1643.16			
		12.60	1630.56	
0.54	1631.10			
		12.17	1618.93	
0.53	1619.46			
		3.49	1615.97	T.P.
7.61	1623.58			
		4.97	1618.61	
4.82	1623.43			
		5.95	1617.48	

+	HI.	−	Elev.	
			1617.48	
10.18	1627.66			
		1.76	1625.90	
11.98	1637.88			
		1.41	1636.47	
10.87	1647.34			
		0.34	1647.00	
11.35	1658.35			
		1.46	1656.89	
10.86	1667.75			
		0.33	1667.42	
11.04	1678.46			
		0.17	1678.29	
12.42	1690.71			
		2.11	1688.60	
12.64	1701.24			
		0.60	1700.64	
12.45	1713.09			
		0.82	1712.27	
13.03	1725.30			
		0.86	1724.44	
12.07	1736.51			
		0.60	1735.91	
12.08	1747.99			
		0.53	1747.46	
10.46	1757.92	1.38	1756.54	= Sec. Pt. #(11)



+	HI.	-	Elev.	B.M's
			1776.60	E #1 Near Green House
12.70	1789.30			
		1.14	1788.16	
10.36	1798.52			
		0.66	1797.86	
9.97	1807.83			
		4.58	1803.25	
0.82	1804.07			
		11.58	1792.49	
0.75	1793.24			
		11.21	1782.03	
0.28	1782.31			
		2.10	1780.21	
7.90	1788.11			
		6.37	1781.74	
4.63	1786.37			
		9.06	1777.31	
9.94	1787.25			
		1.48	1785.77	
12.80	1798.57			
		1.27	1797.30	
12.80	1810.10			
		0.82	1809.28	
12.30	1821.58			
		0.84	1820.74	
12.15	1832.89			

+	H.I.	−	Elev.	
	1832.89			
		1.25	1831.64	
11.46	1843.10			
		0.18	1842.92	
13.10	1856.02			
		1.06	1854.96	
12.03	1866.99			
		1.30	1865.69	
12.58	1878.27			
		0.85	1877.42	
11.35	1888.77			
		0.73	1888.04	
12.62	1900.66			
		1.70	1898.96	
12.45	1911.41			
		0.90	1910.51	
12.72	1923.23 (1923.34)			
		6.70	1916.64	Sec. Bm #22
		1.10	1922.13	
11.42	1933.55			
		0.35	1933.20	
12.26	1945.46			
		0.30	1945.16	
10.07	1955.23			
		3.28	1951.95	Elev. Prim. B

+	H.I.	−	Elev.	
			1910.51	
0.78	1911.29			
		12.32	1898.97	
0.01	1898.98			
		11.72	1887.26	
0.83	1888.09			
		12.12	1875.97	
0.90	1876.87			
		12.56	1864.31	
1.28	1865.59			
		4.87	1860.72	B.M. 1860.69 On Oak Tree near prim. A ∴ chicken ranch

Sheet 12

Sec. Pt. # (22) 116°32'35"

T = B' + 466°09'55"

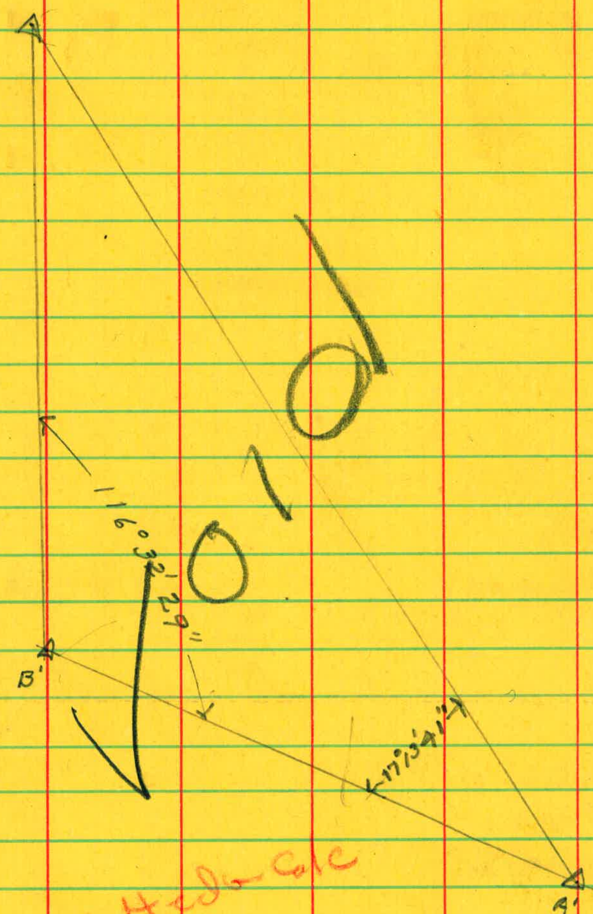
B.S. = A' 116°32'29"

Sec. Pt. # (22) 17°13'50"

T = A' + 68°54'45"

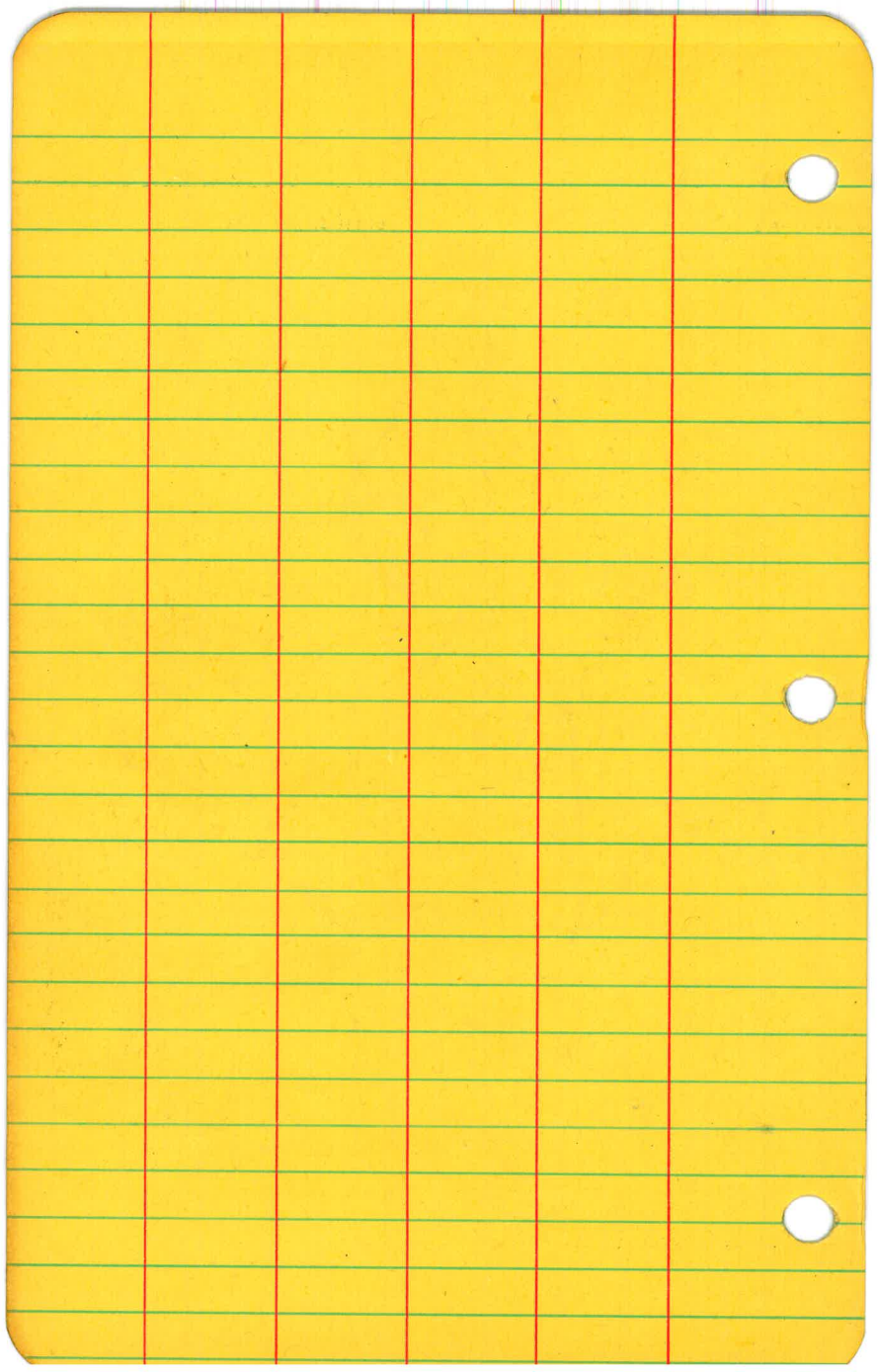
B.S. = B' 17°13'41"

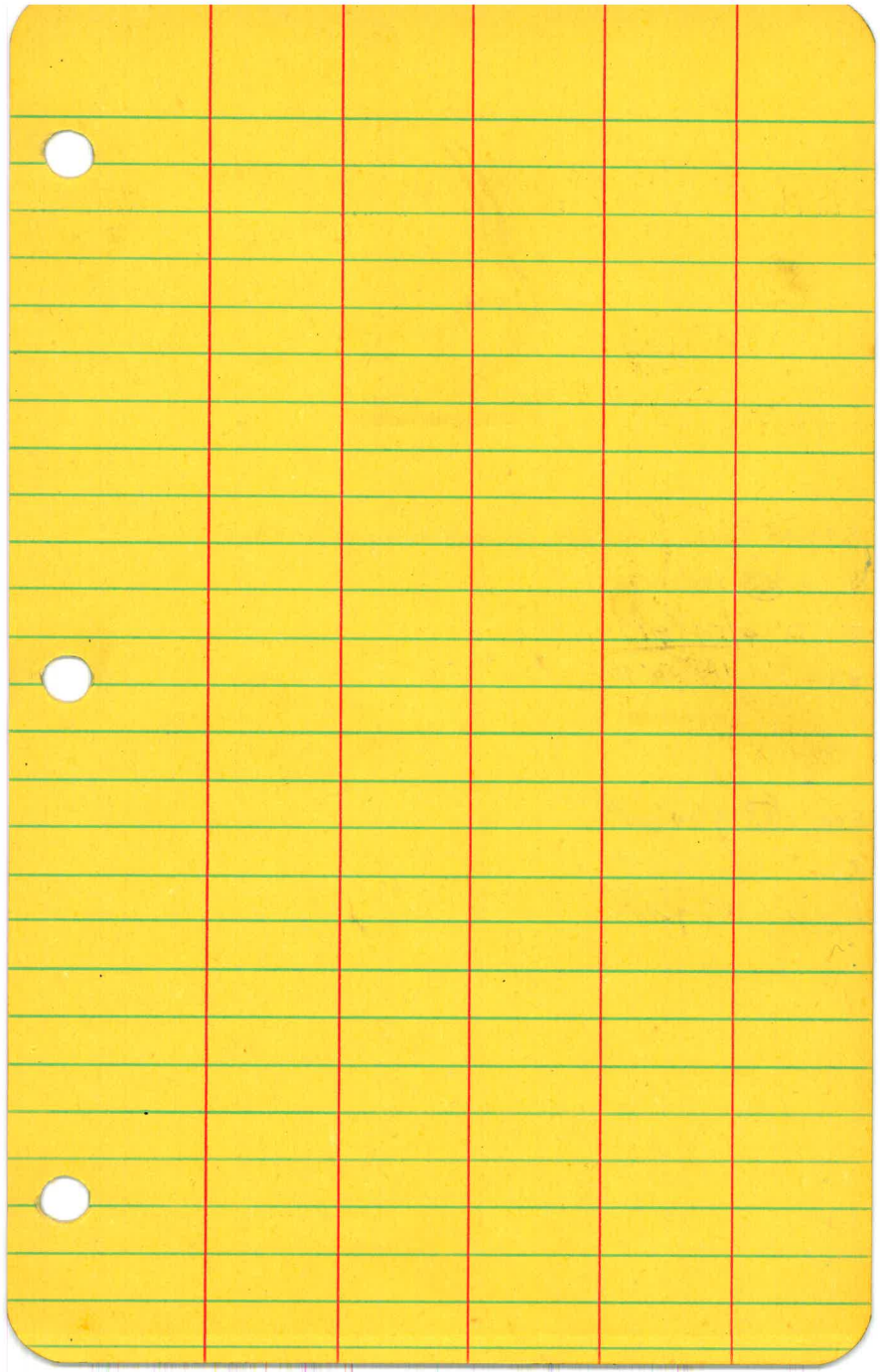
VOID



Plotted - calc

J.B.





Sheet #101 50' From Boundry of #102

Sec. Pt. #(23) 135°57'00"

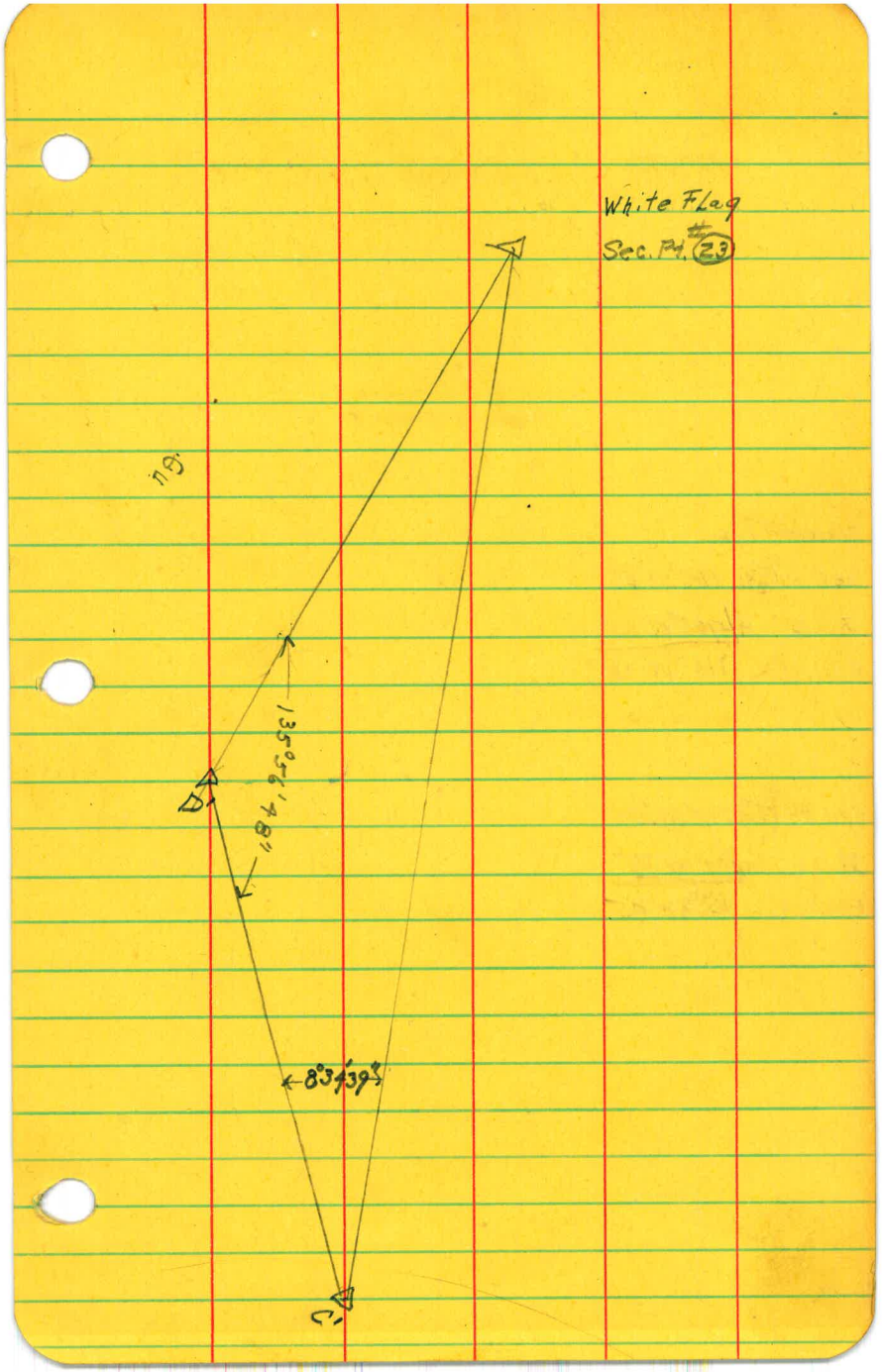
π = D' 4 | 543°47'10

B.S. = C' 135°56'48"

Sec. Pt. #(23) 8°34'45"

π = C' 4 | 34°18'35"

B.S. = D' 8°34'39"


White Flag
Sec. Pt. #23
ng.
135°56'48"
83°43'9"
C.

Sheet #102

Sec. Pt. #24 116°19'25"

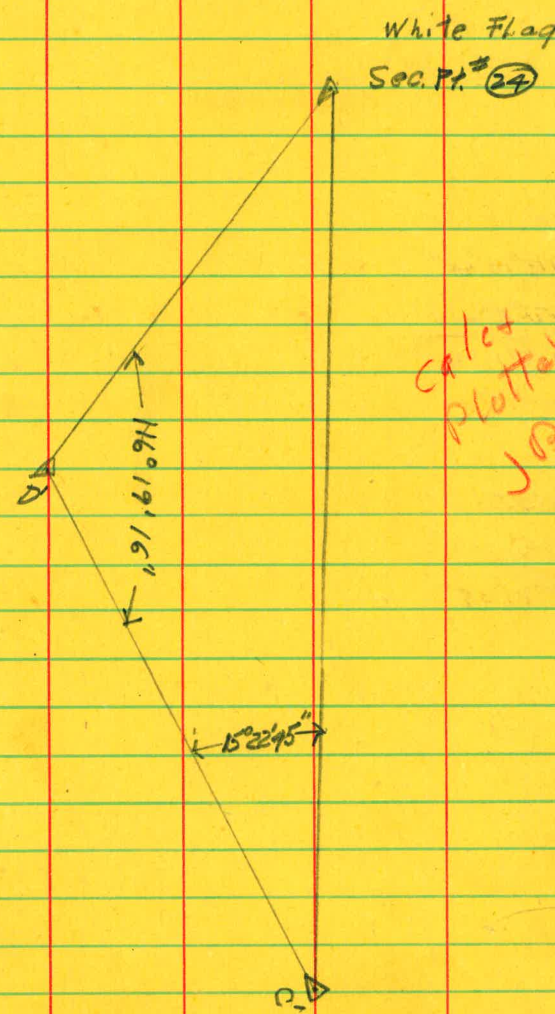
π = D' 4 65°17'09"

B.S. = C' 116°19'16"

Sec. Pt. #24 15°22'50"

π = C' 4 61°31

B.S. = D' 15°22'45"



Calc + plotted
JB

Sheet # 102

Sec. Pt. # (25) 118°10'45"

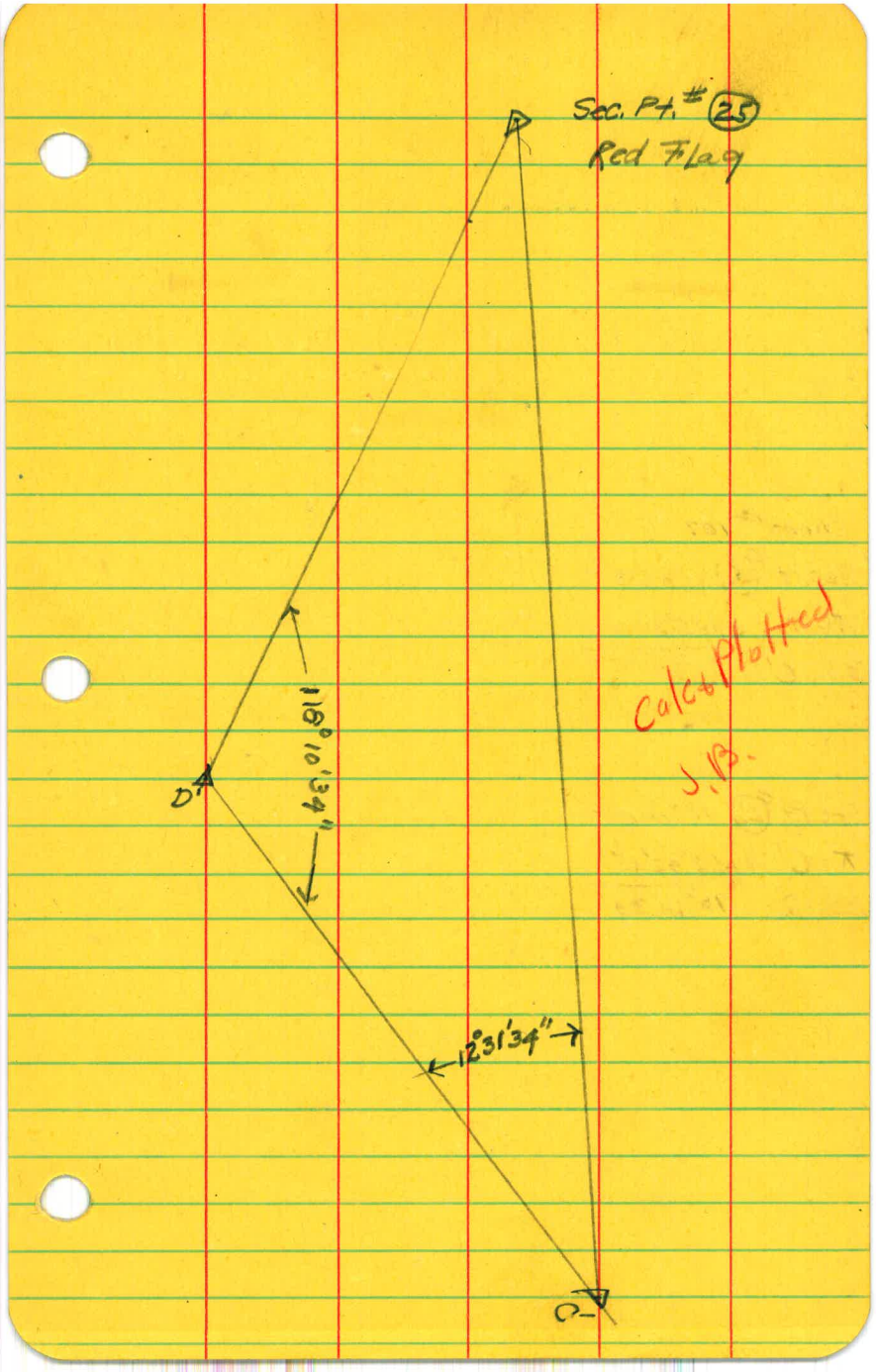
T = D' < 47°42'15"

B.S. = C' 118°10'39"

Sec. Pt. # (25) 12°31'35"

T = C' 50°06'25"

B.S. = D' 12°31'39"


Sec. Pt. # (25)
Red Flag
Calc & Plotted
J.B.
D
118°01'34"
123°31'34"
C

Sheet # 107

Sec. Pt. # 26 41°22'40"

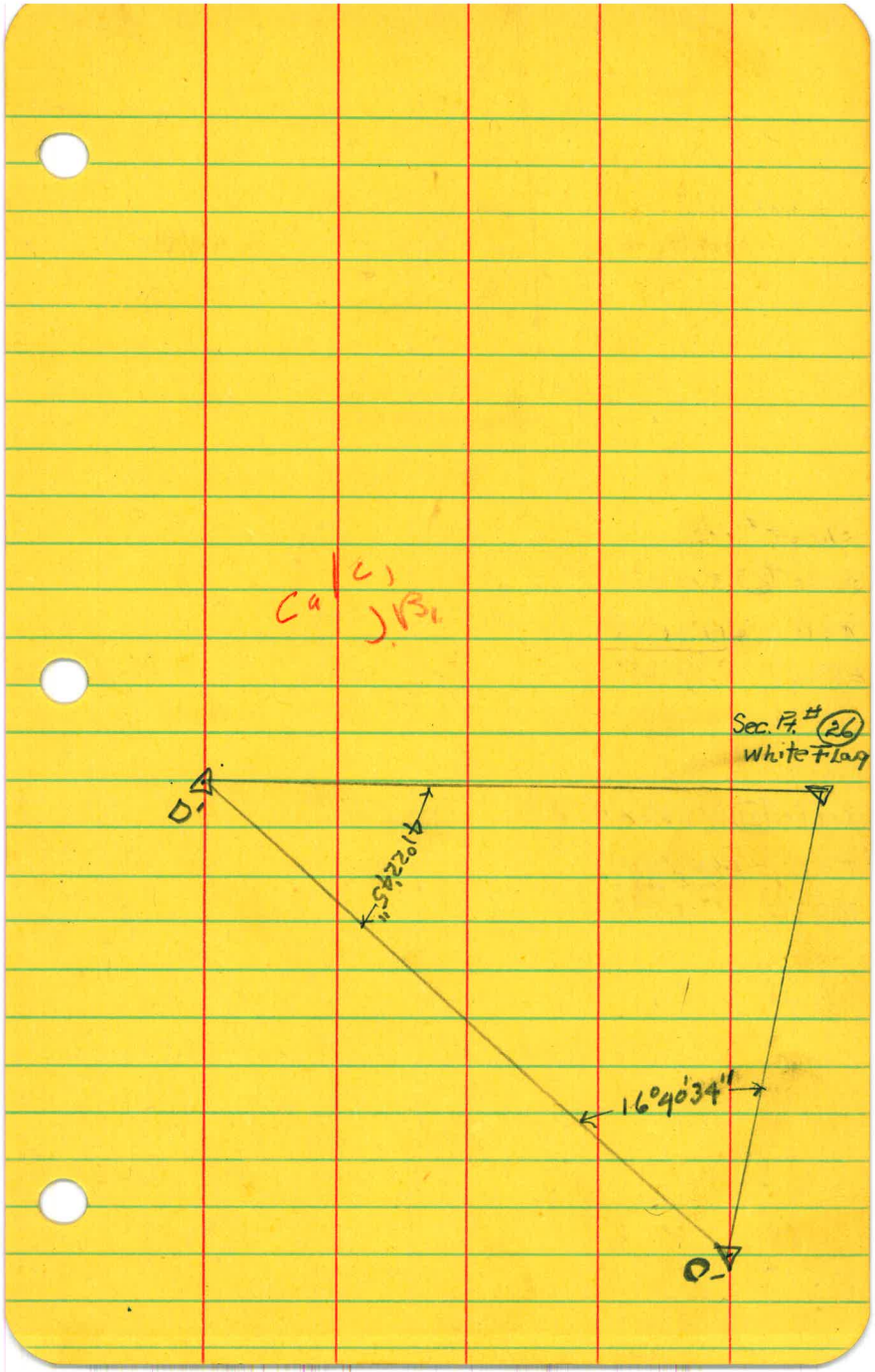
π = D' 4 165°31'00"

B.S. = C' 41°22'45"

Sec. Pt. # 26 16°40'40"

π = C' 4 66°42'15"

B.S. = D' 16°40'34"


Ca (C)
JVB
Sec. Pt. # 26
White Flag
D1
1022.45'
16°40'34"
D2

Sheet #112

Sec. Pt. #(27) 3°40'35"

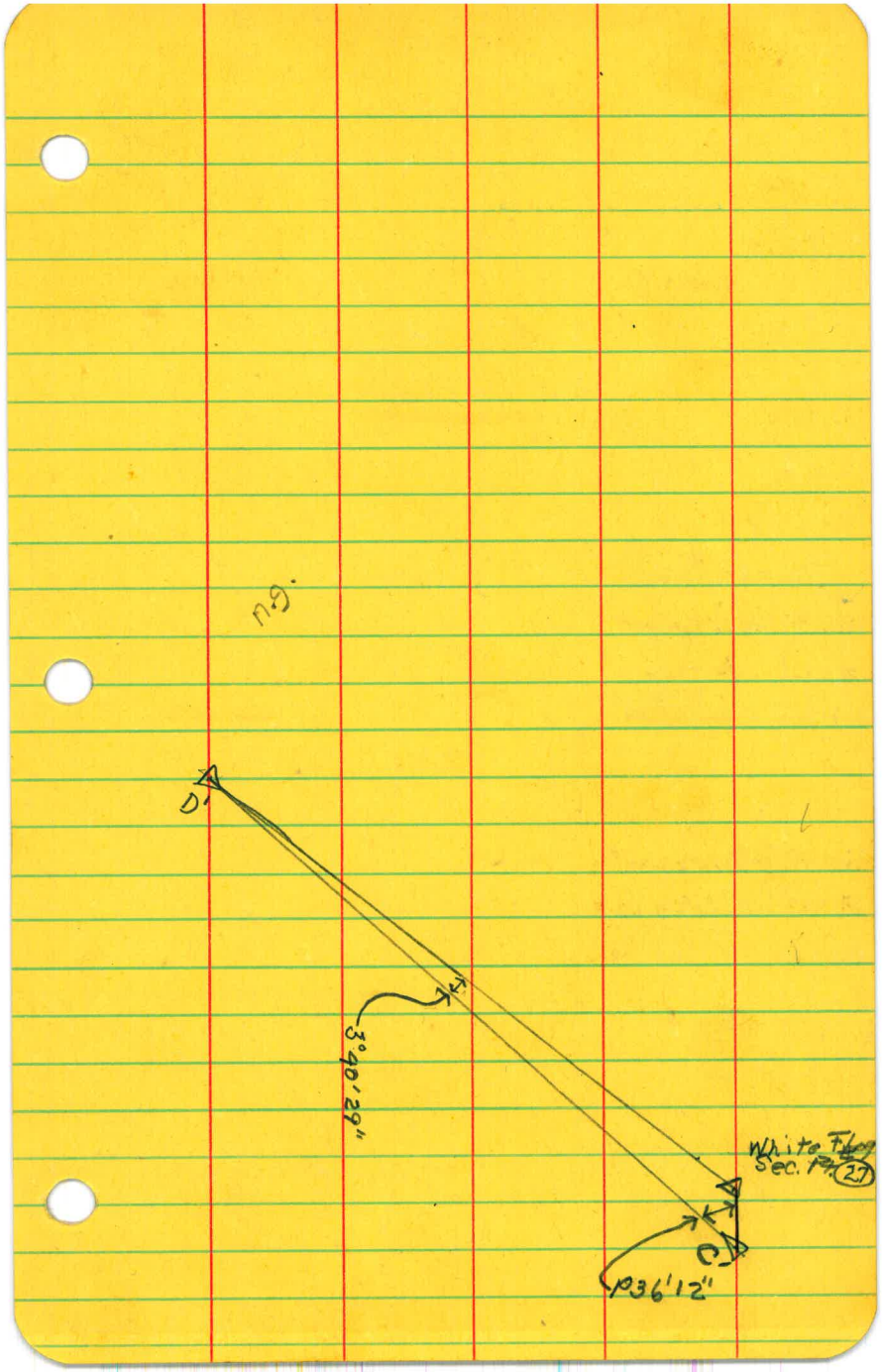
$\pi = D'$ Δ 19°41'55"

B.S. = C' 3°40'29"

Sec. Pt. #(27) 1°36'00"

$\pi = C'$ Δ 6°24'50

B.S. = D' 1°36'12"


n.g.
D
3°40'29"
White Flag
Sec. Pt. (27)
C
36'12"

D' - C'

Sheet # 112

Sec. Pt. # (28) 20°54'40"

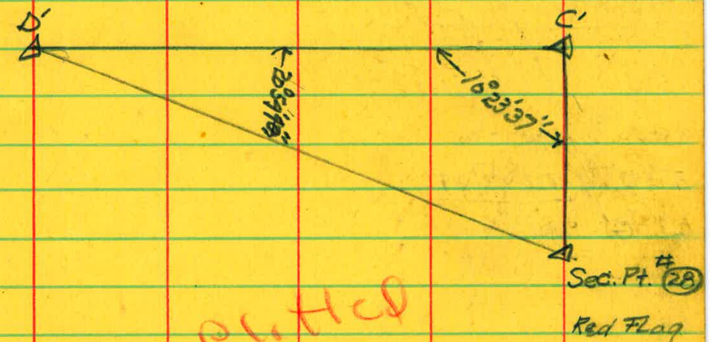
π = D' 4 | 83°38'40

B.S. = C' | 20°54'40"

Sec. Pt. # (28) 10°23'40"

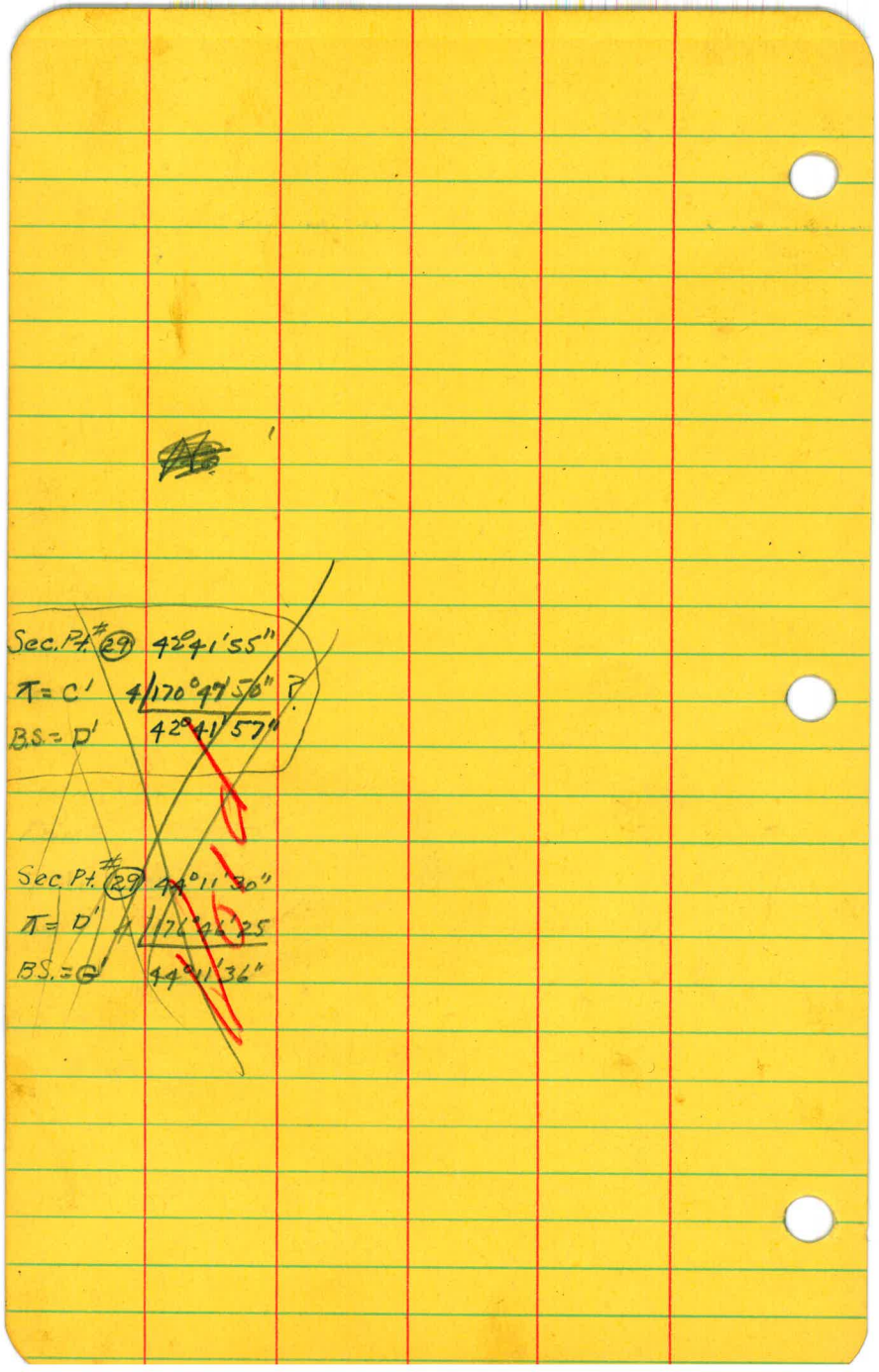
π = C' 4 | 41°34'30"

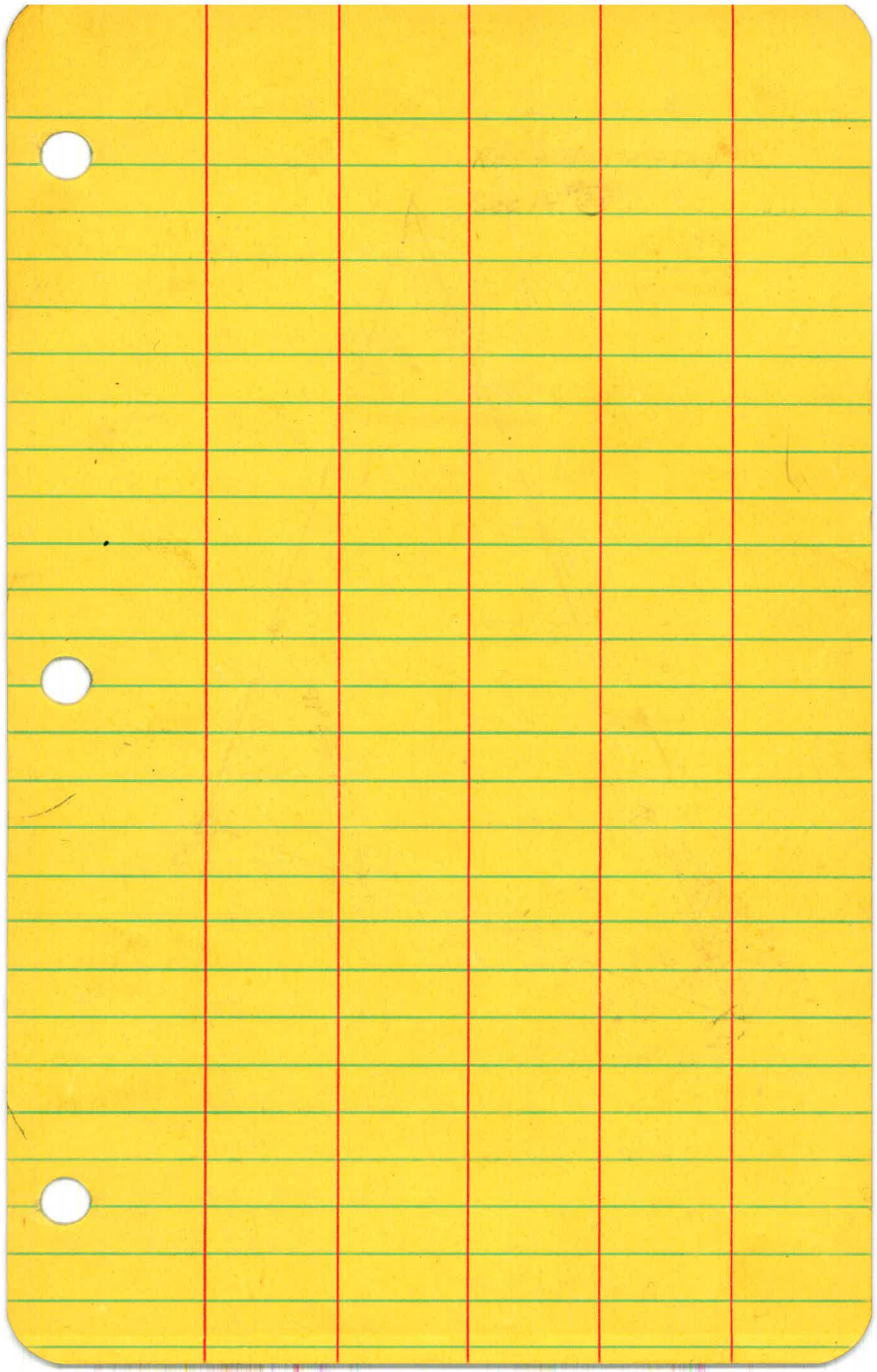
B.S. = D' | 10°23'37"



Calc + plotted

JB

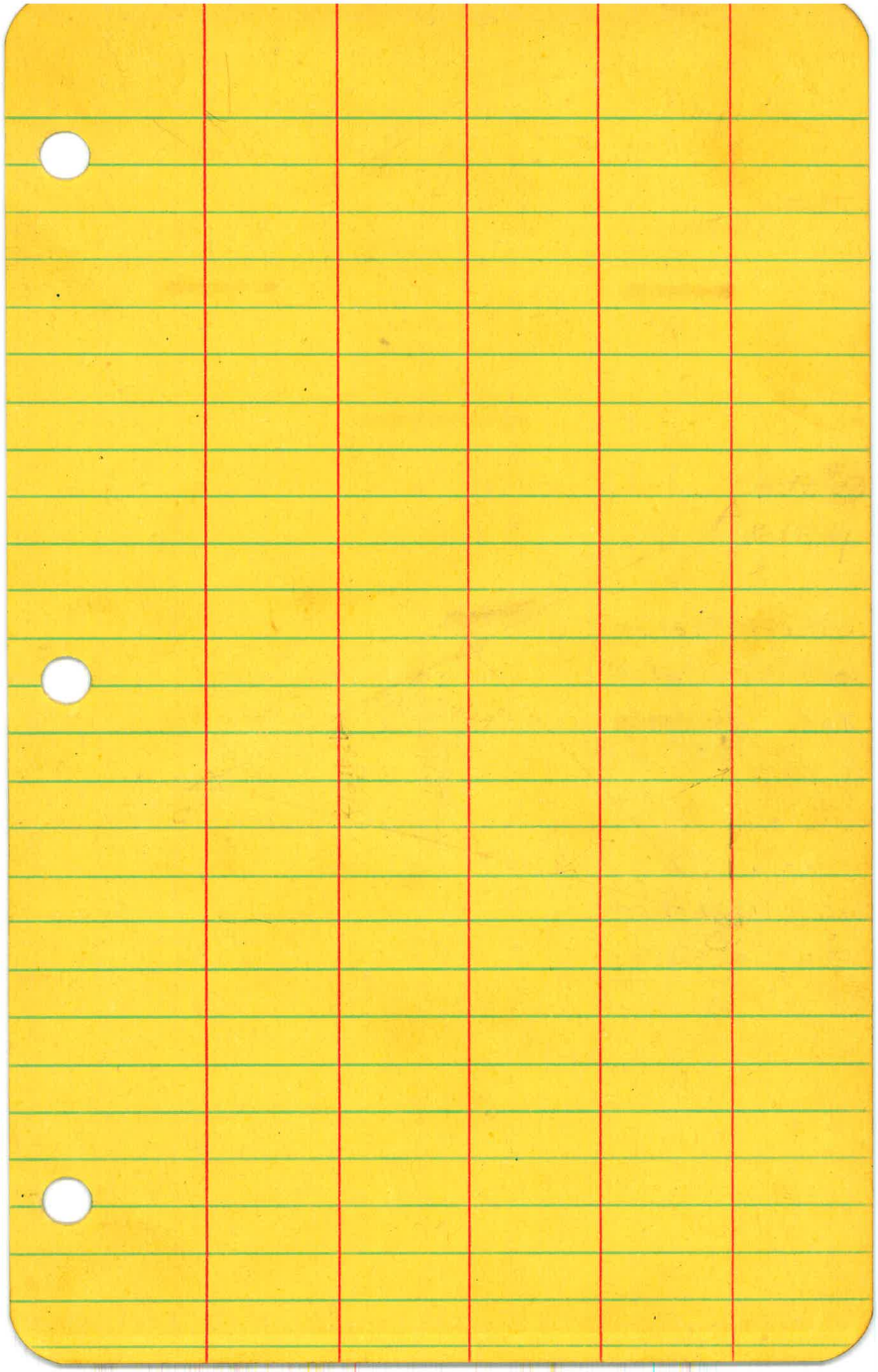

Sec. Pt. #29 42°41'55"
T = C' 4 170°47'56" ?
B.S. = D' 42°41'57"
Sec. Pt. #29 44°11'30"
T = D' 4 171°48'25"
B.S. = C' 44°11'36"



+	H.I.	−	Elev.	
			1511.43	B.M. # Z8
0.92	1512.35			
		2.06	1510.29	
9.62	1519.91			
		0.39	1519.52	
7.97	1527.49			
		3.68	1523.81	Elev. sec. point #20
		0.46	1527.03	
10.84	1537.87			
		0.21	1537.66	
10.05	1547.71			
		0.37	1547.34	
9.43	1556.77			
		1.36	1555.41	T.P.
10.99	1566.40			
		2.12	1564.28	Elev. Sec. Pt. #27
			1555.41	T.P.
5.77	1561.18			
		12.41	1548.77	
1.88	1550.65			
		10.87	1548.78	
5.91	1554.69			
		11.22	1543.47	Elev. sec. Pt #28
			1511.43	B.M. # Z8
1.03	1512.46			
		12.42	1500.04	

+	H.I.	−	Elev.	
			1500.04	
1.51	1501.55			
		9.04	1492.51	
0.54	1493.05			
		11.63	1481.42	
2.26	1483.68			
		7.62	1476.06	#(26) Elev. Sec. Pt.
		12.30	1471.38	
1.39	1472.77			
		6.54	1466.23	
3.18	1469.41			
		1.15	1468.26	
7.23	1475.49			
		1.39	1474.10	
7.52	1481.62			
		6.17	1475.45	
10.07	1485.52			
		0.77	1484.75	
9.72	1494.47			
		0.22	1494.25	
11.67	1505.92			
		0.96	1505.96	
12.22	1517.68			
		4.09	1513.59	Elev. sec. pt. #(25)
		10.85	1506.83	Elev. sec. pt. #(24)
		0.91	1516.77	

+	H.I.	−	Elev.	
			1516.77	
8.71	1525.48			
		2.68	1522.80	Elev. sec. pt. #23



Sheet #127

Sec Pt. # (30) 91°44'50"

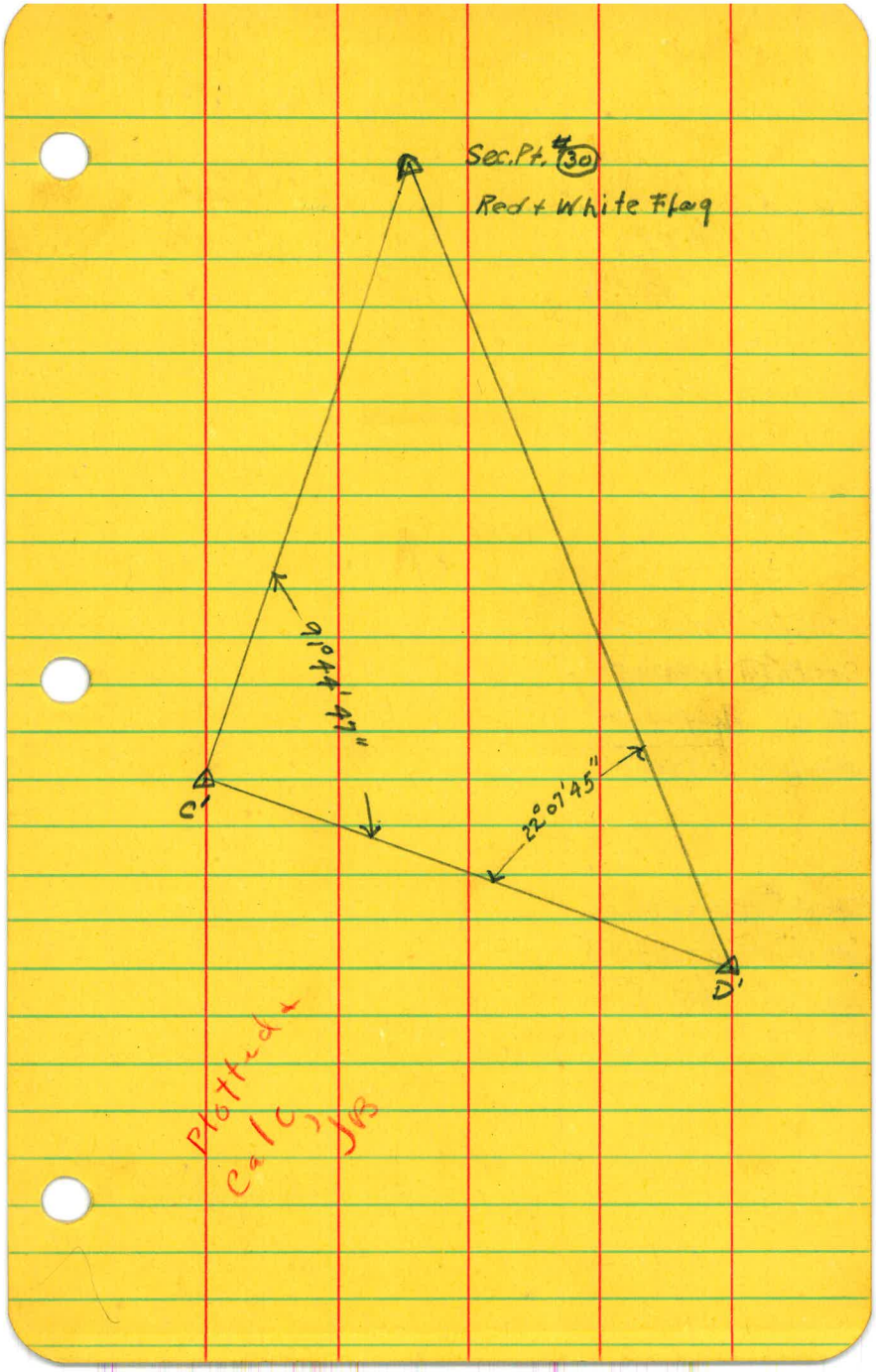
T = C' + 366°59'10"

B.S. = D' 91°44'47"

Sec Pt. # (30) 22°07'55"

T = D' + 88°31'00"

B.S. = C' 22°07'45"


Sec. Pt. 4 (30)
Red + White Flag
91°44'47"
C
22°07'45"
D
Plotted
Calc
JJB

Sheet # 127

Sec. Pt. # (31) 102°23'25"

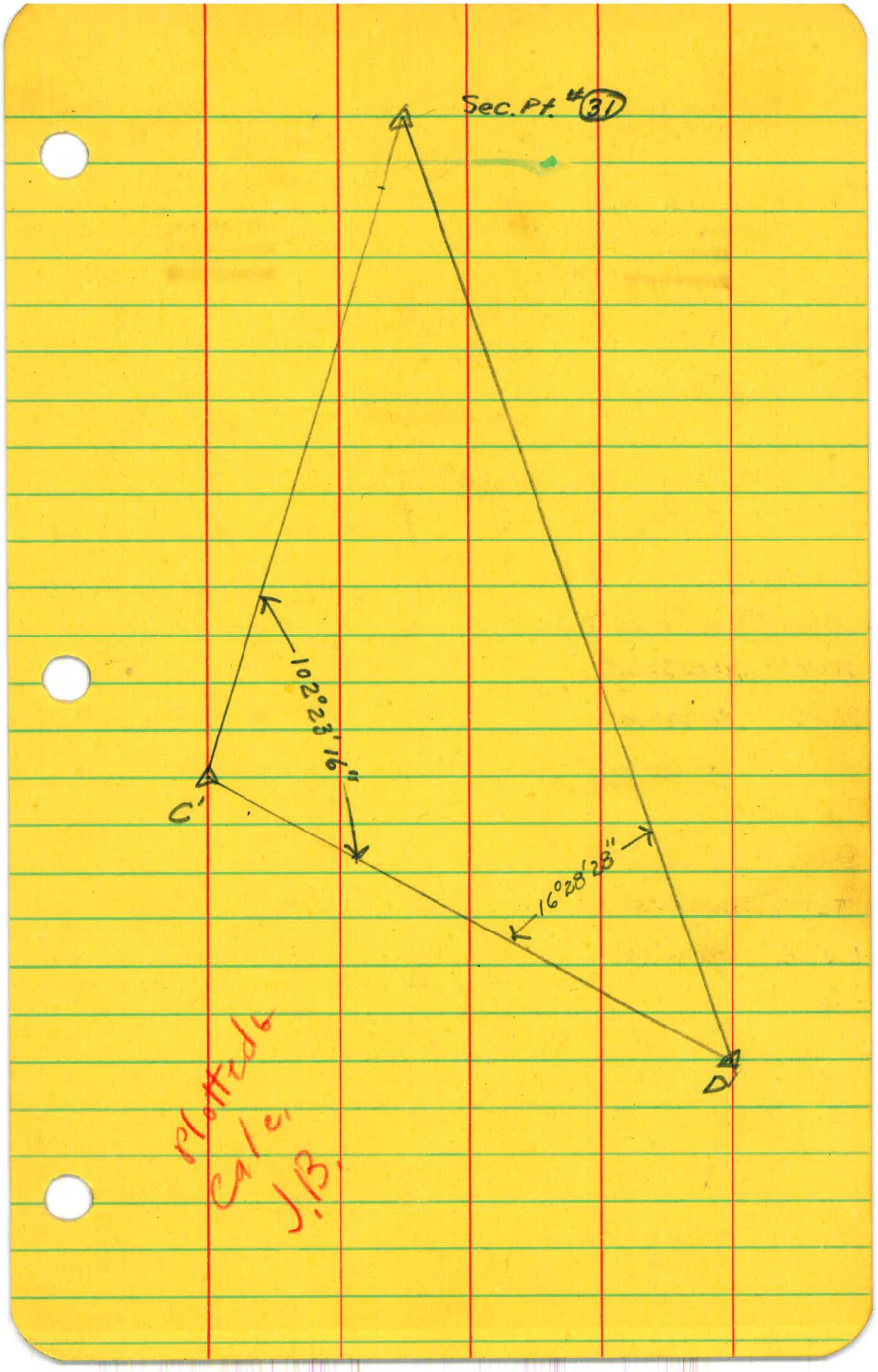
$\Delta = C'$ + 409°32'55"

B.S. = D' 102°23'16"

Sec. Pt. # (31) 16°28'35"

$\Delta = D'$ + 65°53'50"

B.S. = C' 16°28'28"


Sec. Pt. #31
102°23'16"
C
160°28'28"
D
plotted
Calc.
J.B.

Sheet # 126

Sec. Pt. #32 71°21'55"

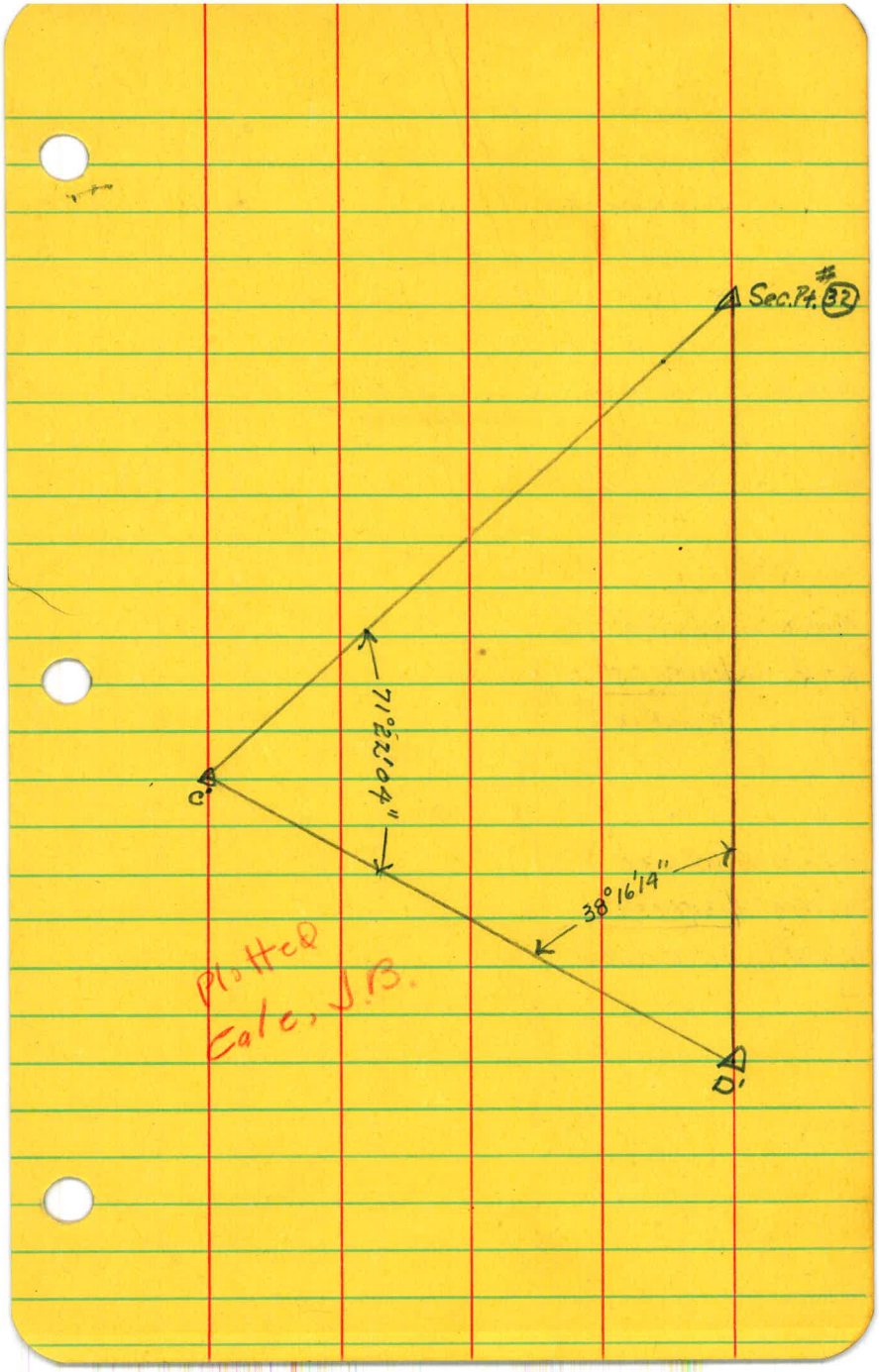
π = C' 4 285°28'15"

B.S. = D' 71°22'04"

Sec. Pt. #32 38°16'20"

π = D' 4 153°09'55

B.S. = C' 38°16'14"



Plotted
Calc, J.B.

Prim. X 44°12'55"

π = D' 12 | 530°36'10

B.S. = G' 44°13'00 5/6"; 44°13'00"

Prim. X 23°27'20"

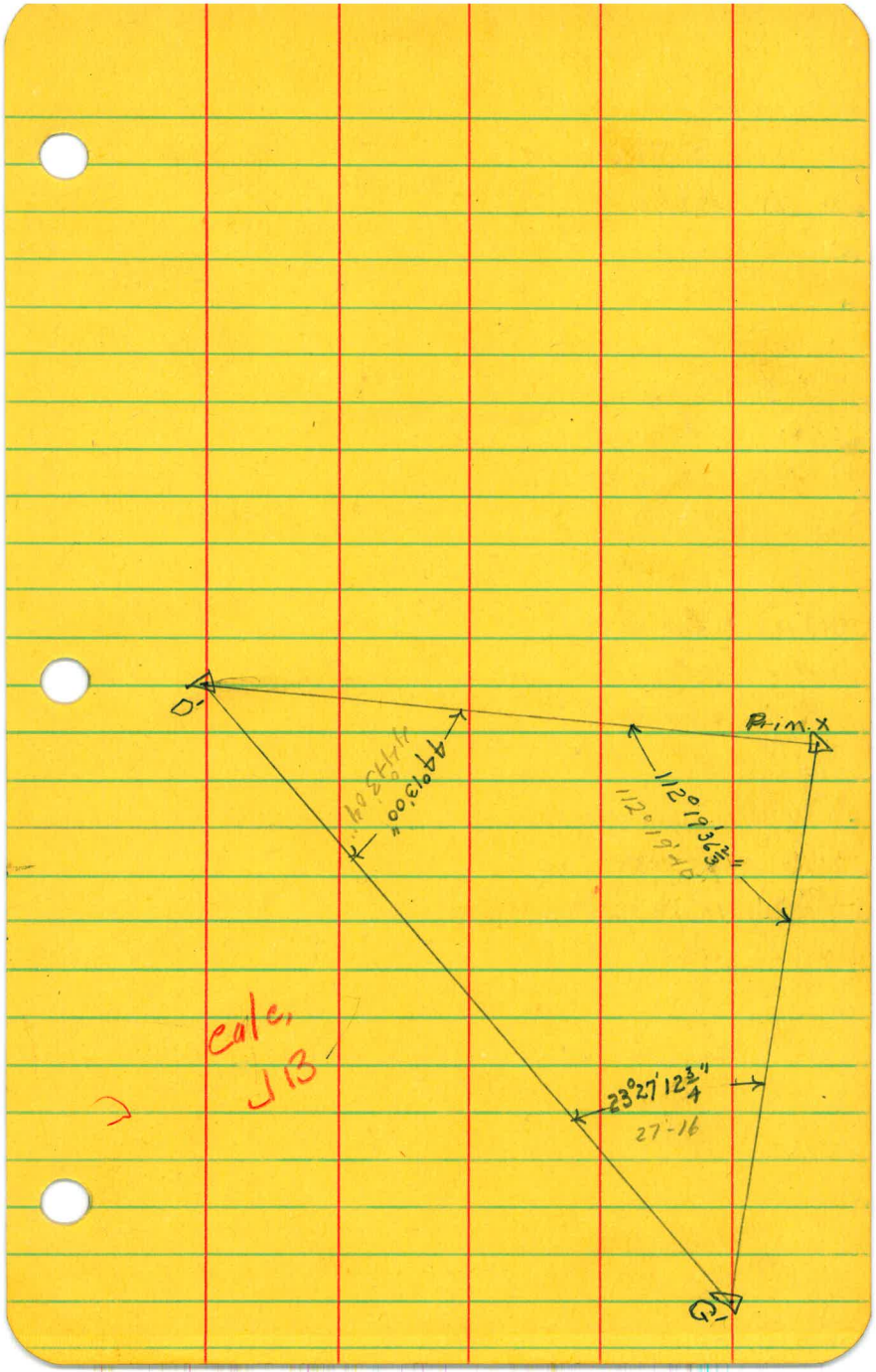
π = G' 12 | 281°26'35"

B.S. = D' 23°27'12 3/4"; 13"

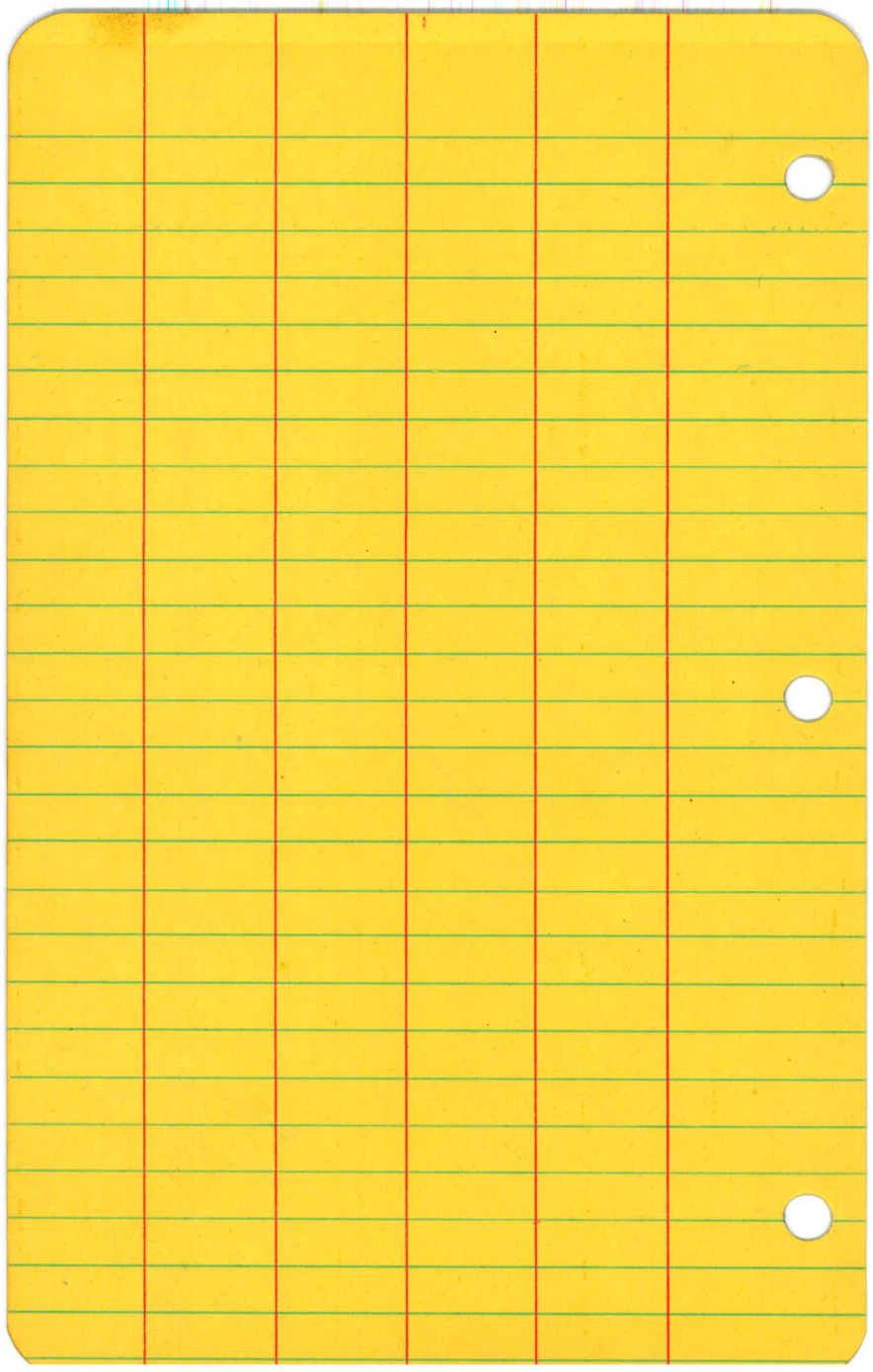
Prim. X 112°19'35"

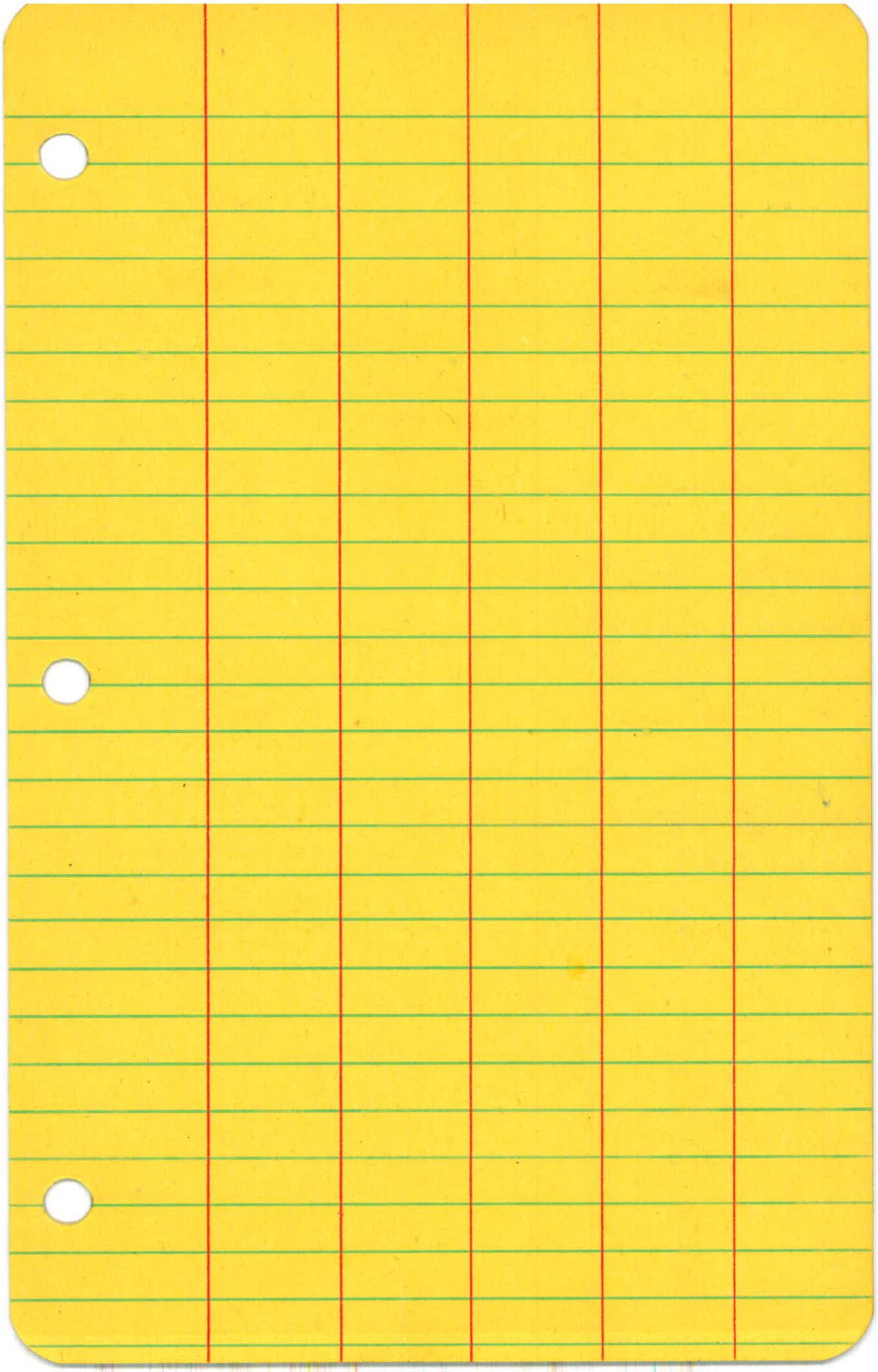
π = Prim. X 12 | 1347°55'20"

B.S. = D' 112°19'36 2/3"; 37"



calc. JB





Sheet #119

Sec. Pt. #(33) 70°23'05"

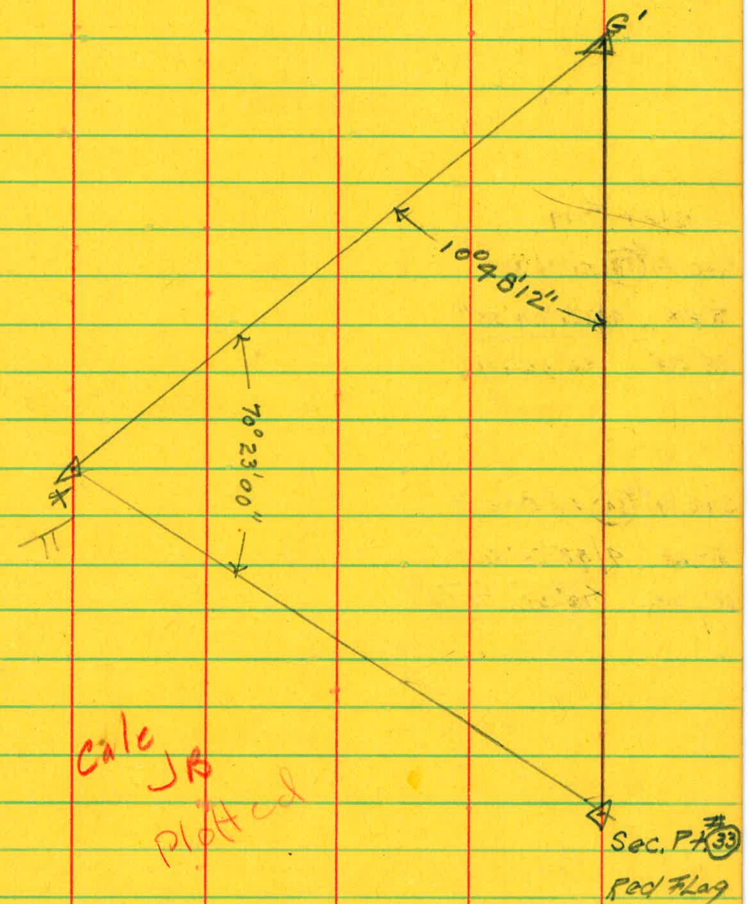
π = Prim. X ∢ 281°32'00"

B.S. = G' 70°23'00"

Sec. Pt. #(33) 10°48'05"

π = G' ∢ 43°12'50

B.S. = X 10°48'12" ✓



Calc
JB
Plotted

sheet #119

Sec. Pt. #(34) 56°56'15"

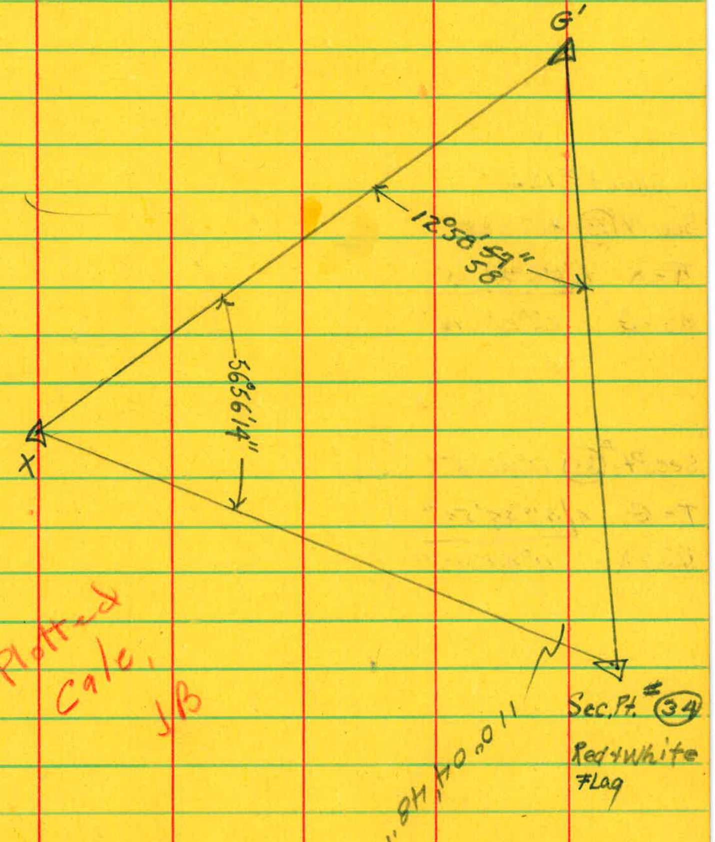
π = X 4 | 227°44'55"

B.S. = G' 56°56'14"

Sec. Pt. #(34) 12°59'00"

π = G' 4 | 51°55'50"

B.S. = X 12°58'58" ✓ ab



Plotted
Calc.
JB

Sheet # 126

Sec. Pt. (35) 23°02'25"

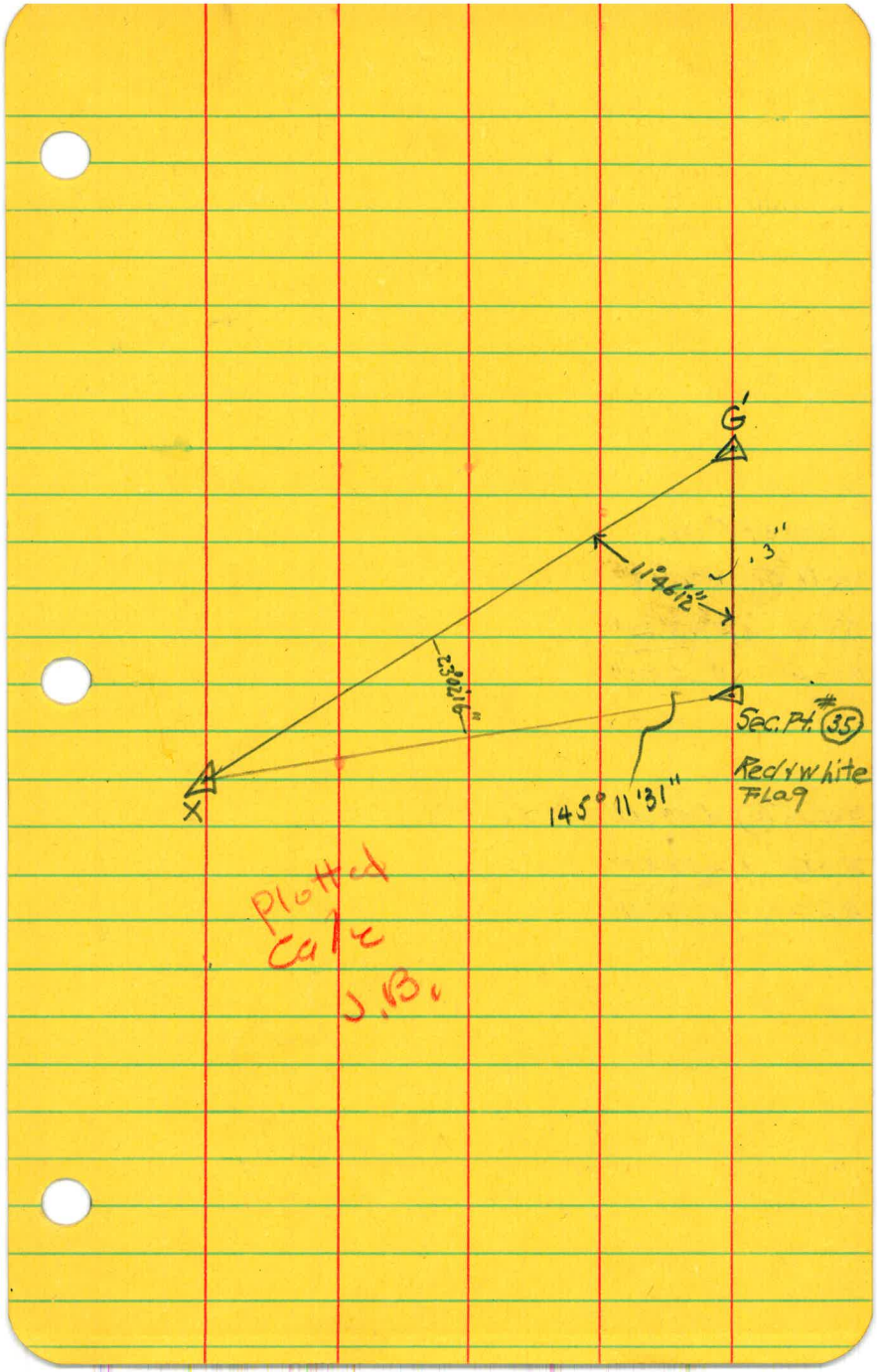
T = X + 92°09'05"

B.S. = G' 23°02'16"

Sec. Pt. # (35) 11°46'15"

T = G' + 47°04'50"

B.S. = X 11°46'12" ~ 15"



Plotted
Calc
J.B.

Sheet #131

Sec. Pt. #36 1°26'00"

π = X 4 | 5°43'20"

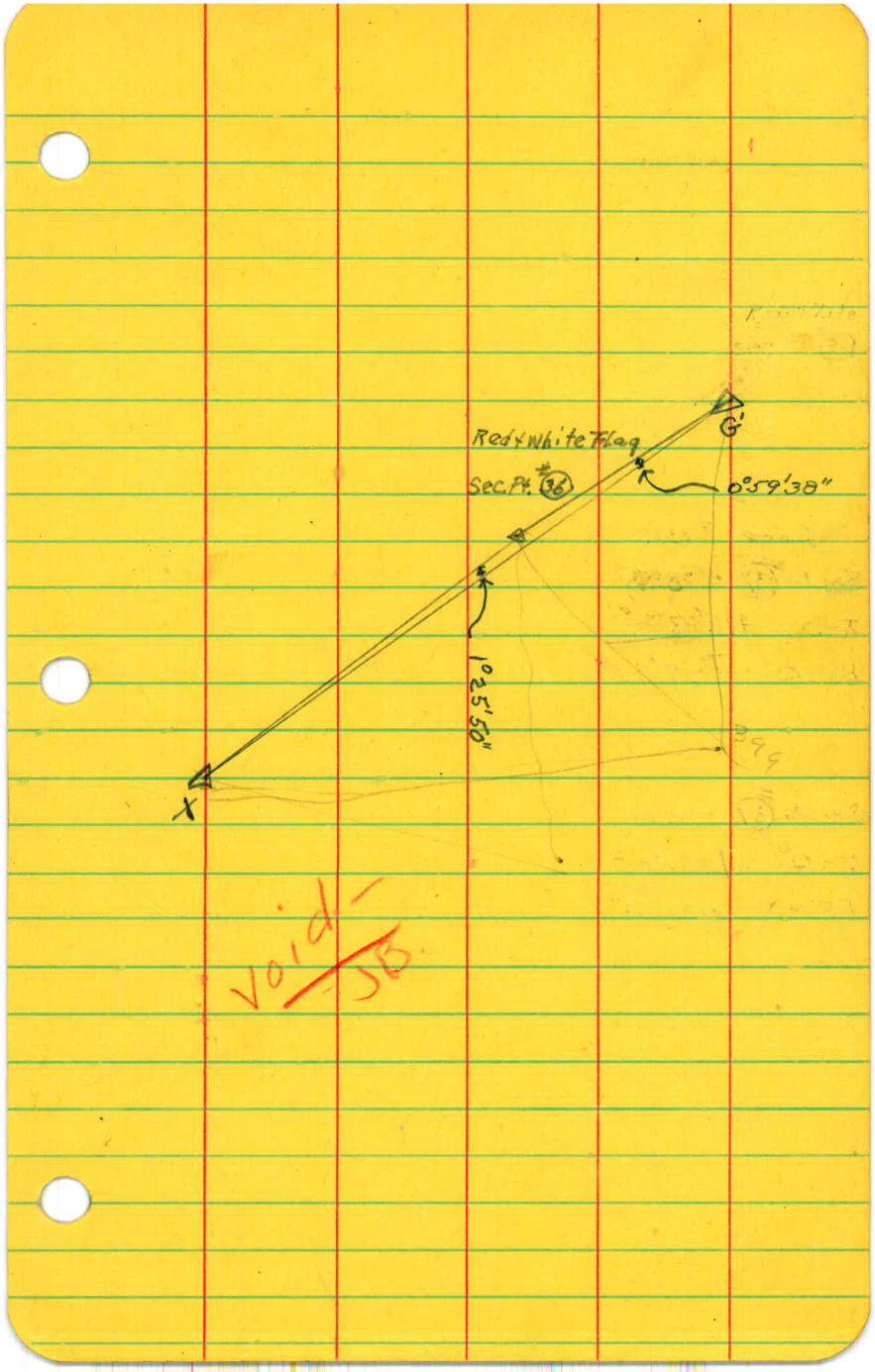
B.S. = G' 1°25'50"

Void J.B.

Sec. Pt. #36 0°59'45"

π = G' 1 | 3°58'30"

B.S. = X 0°59'38"



Void
SB

Sheet #131

Sec. Pt. #37 7°33'55"

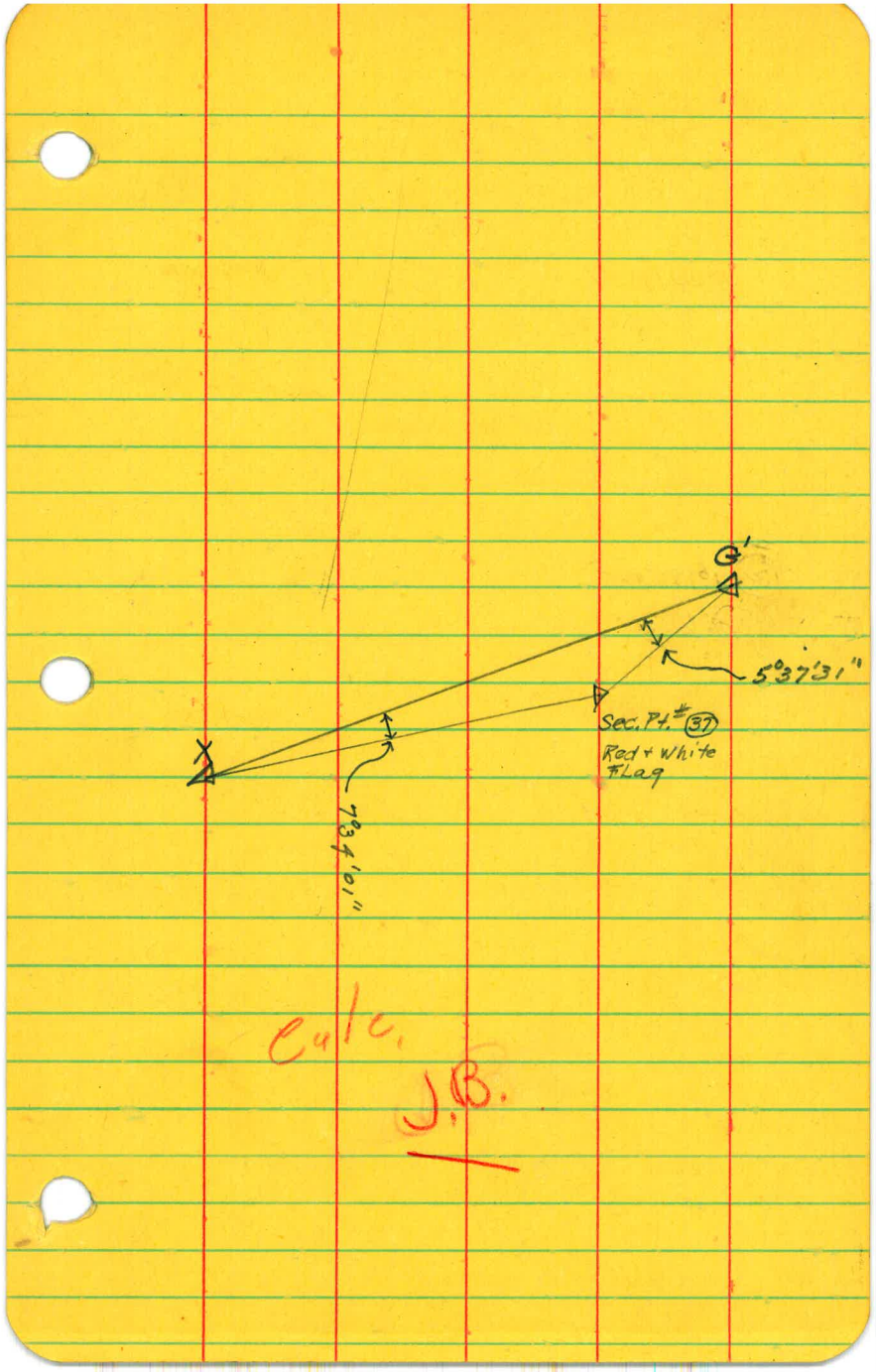
Π = X 4 30°16'05"

B.S. = G' 7°34'01"

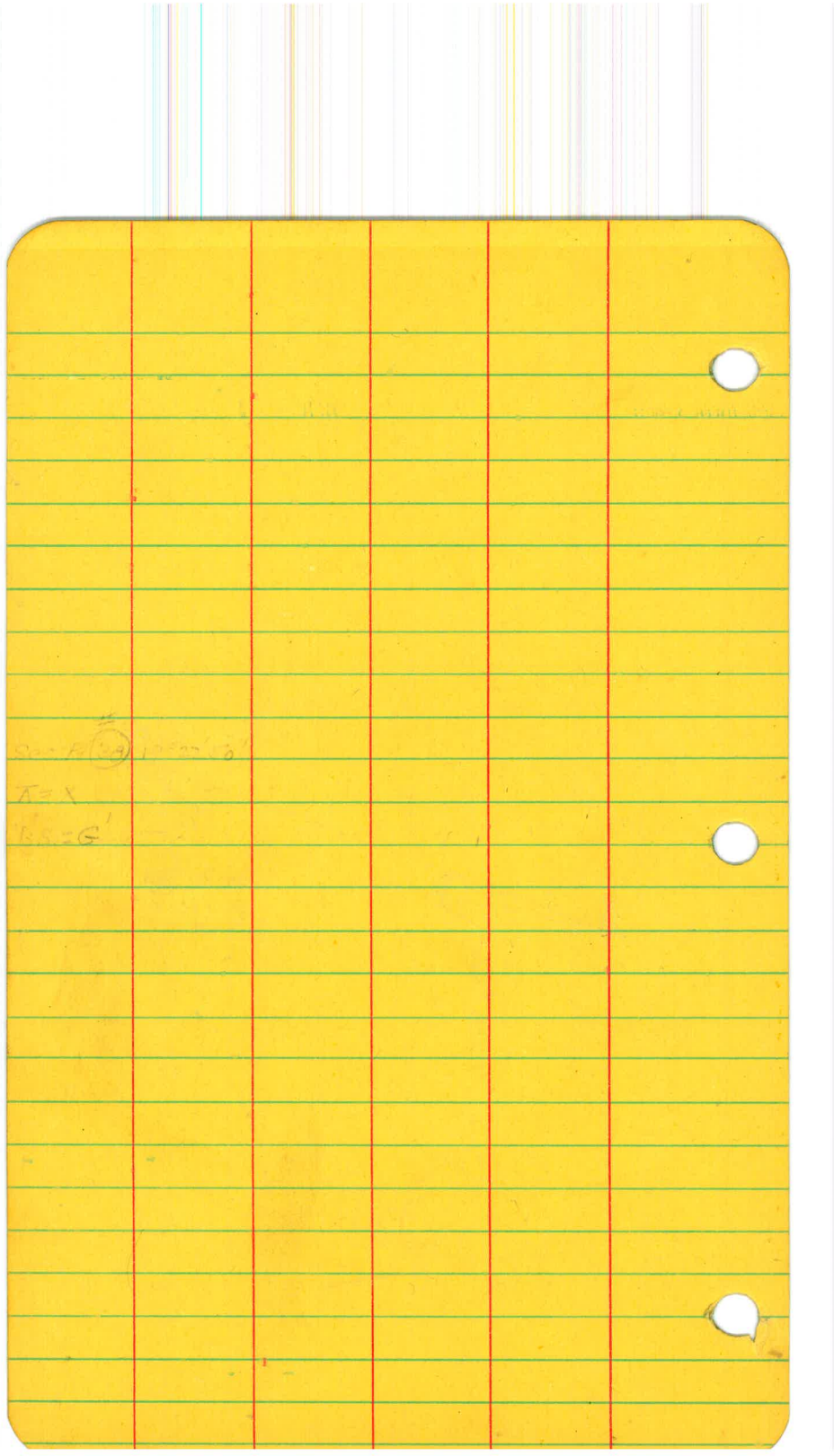
Sec. Pt. #37 5°37'25"

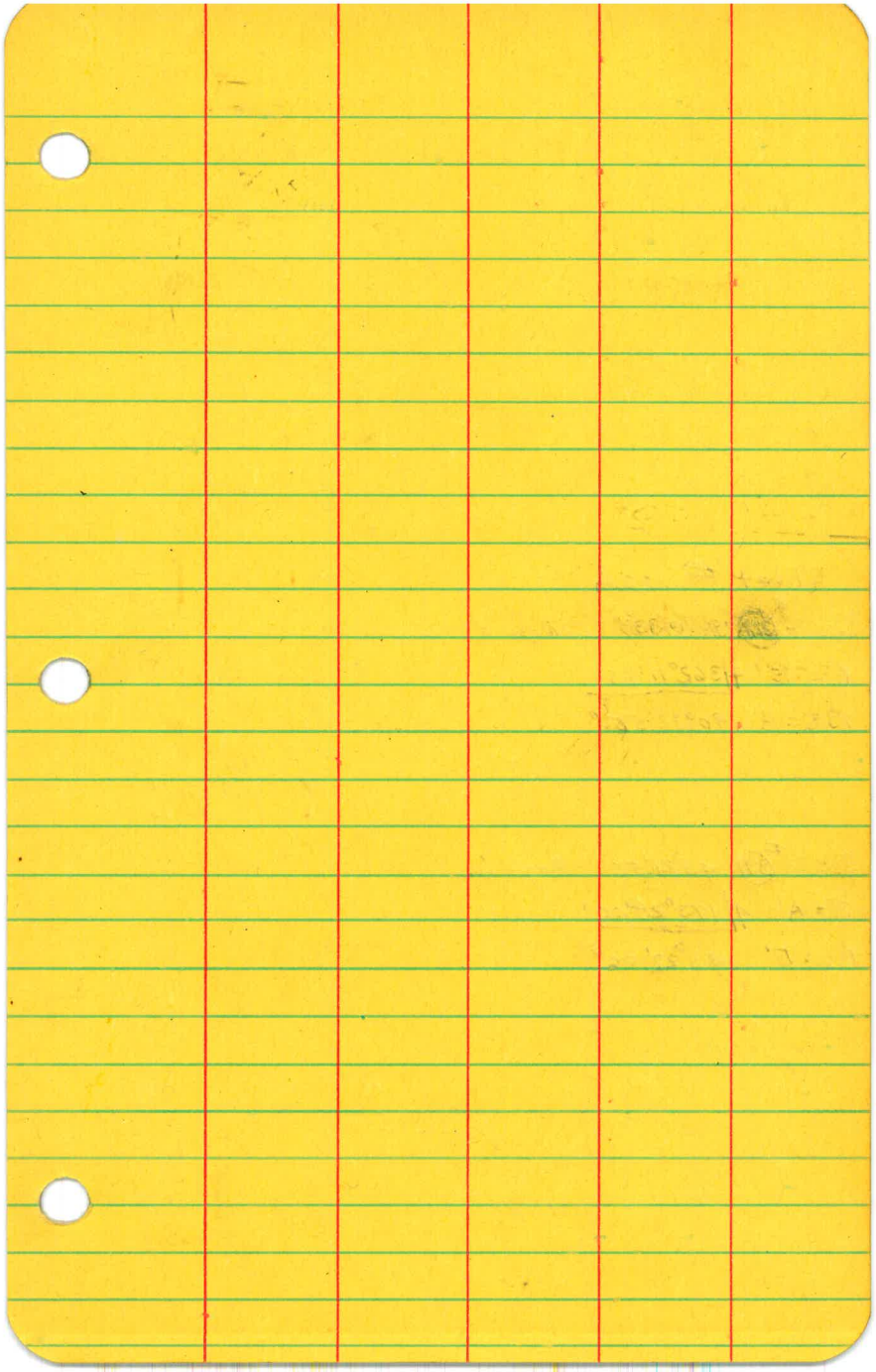
Π = G' 4 22°30'05"

B.S. = X 5°37'31"



Calc.
J.B.





Sheet # 122A

Sec. Pt. # 39 90°33'05" Angle R.

T = 13' 4 | 362°11'45"

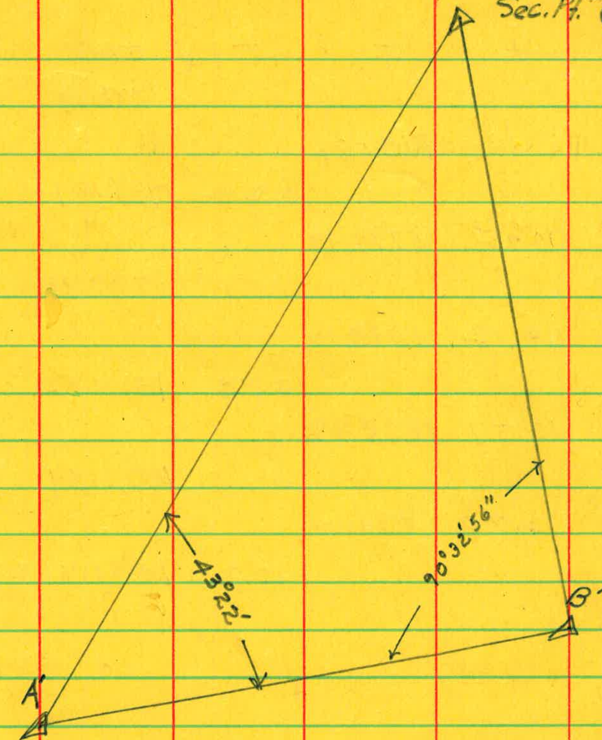
B.S. = A' 90°32'56"

Sec. Pt. # 39 43°21'55" Angle L.

T = A' 4 | 173°28'00"

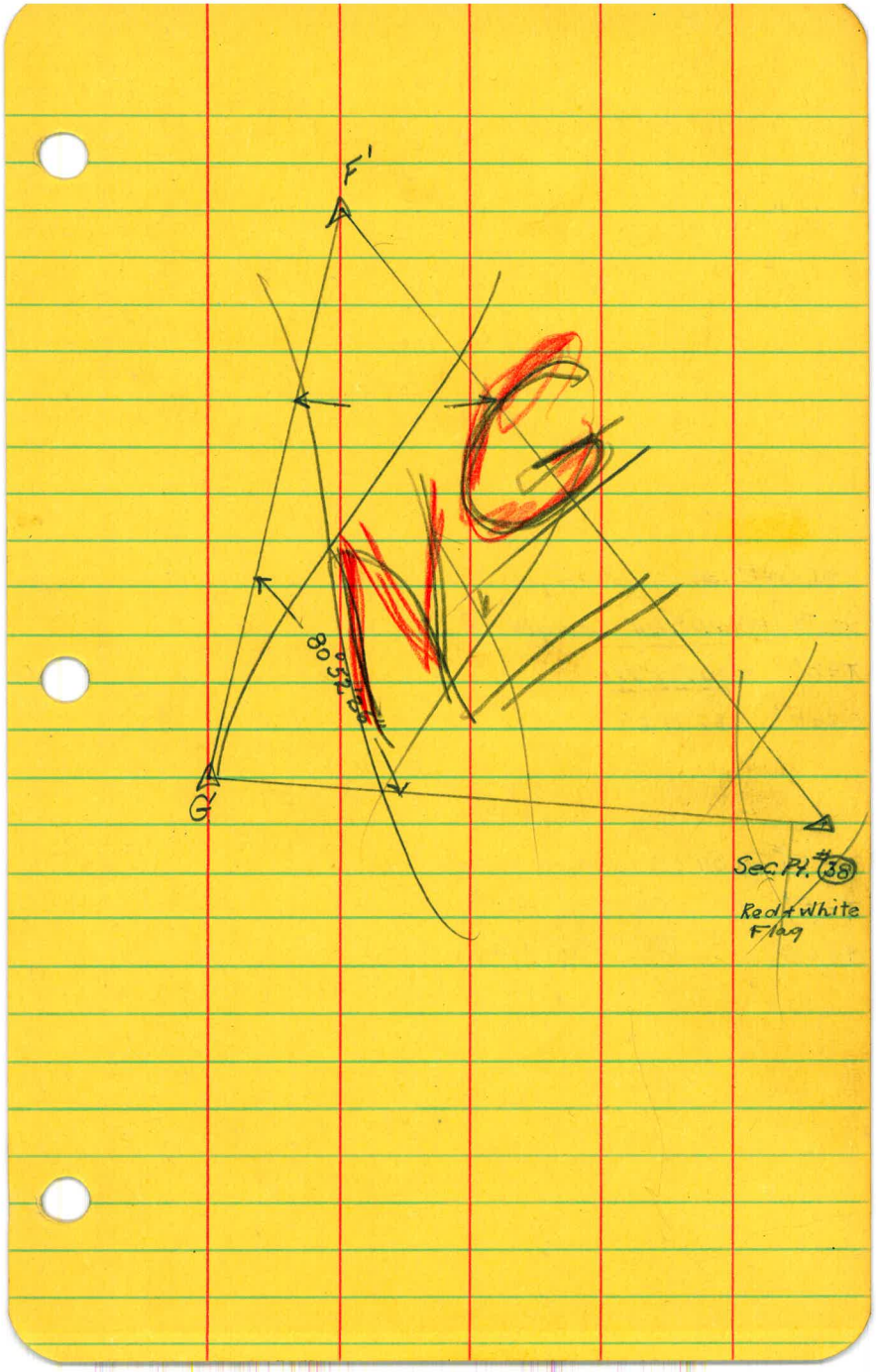
B.S. = 13' 43°22'00"

Sec. Pt. #39 A



Plotted & Calc. J.B.

+	π	−	Elev.	
			1776.60	
12.66	1789.26			
		0.22	1789.04	
10.45	1799.49			
		1.51	1797.98	
12.12	1810.10			
		0.58	1809.52	
12.57	1822.09			
		0.65	1821.44	
12.70	1834.14			
		12.23	1821.91	Sec. Pt. #1


F'
G
Sec Pt. #38
Red & White
Flag

Sheet # 130

Sec. Pt. # (40) 67°19'20" Angle = R

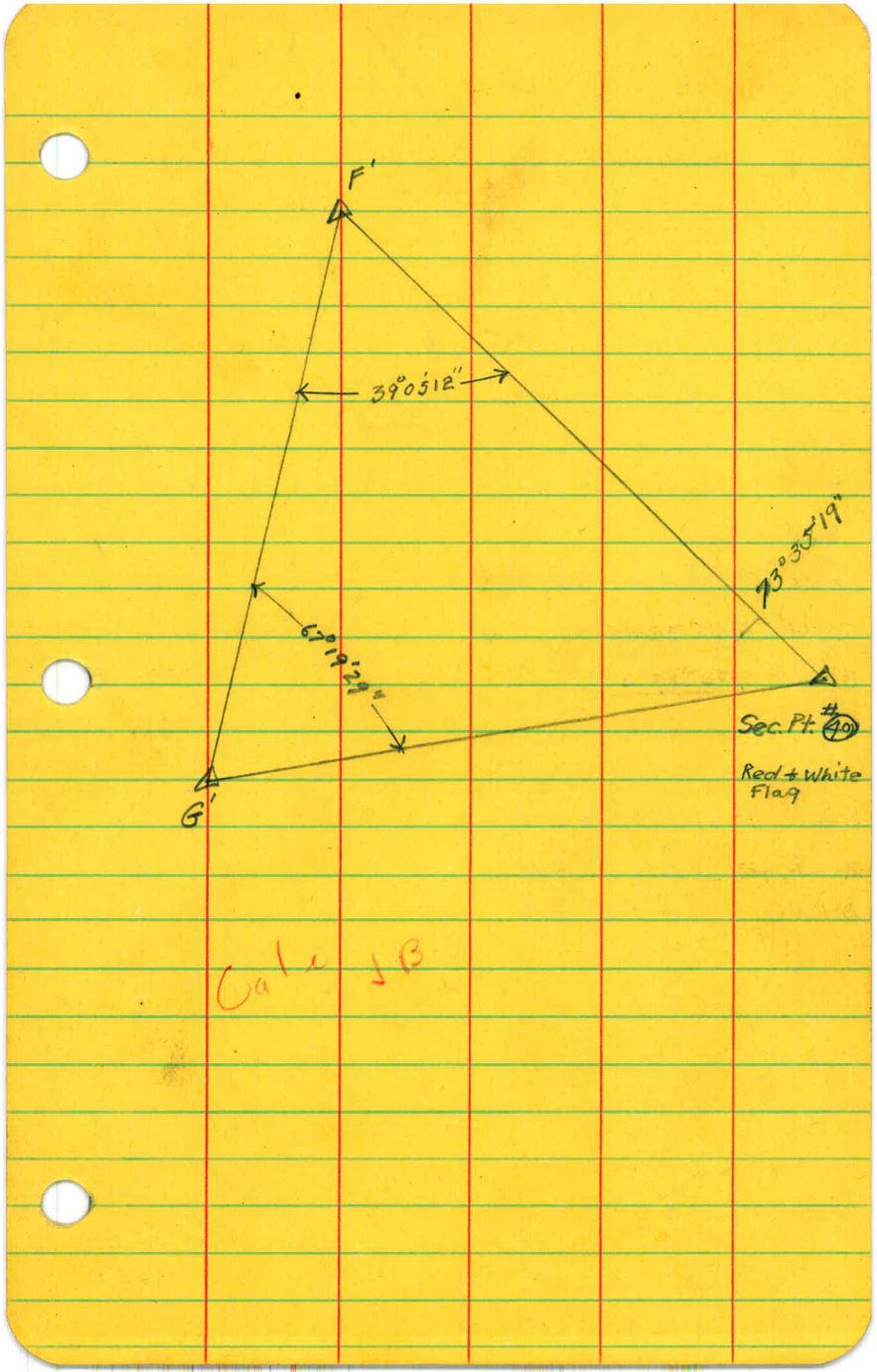
T = G' 4 269°17'55"

B.S. = F' 67°19'29"

Sec. Pt. # (40) 39°05'15" Angle = L

T = F' 4 156°20'50"

B.S. = G' 39°05'12"



Calc JB

Sheet # 130

Sec. Pt. # (41) 53°54'40" Angle = R

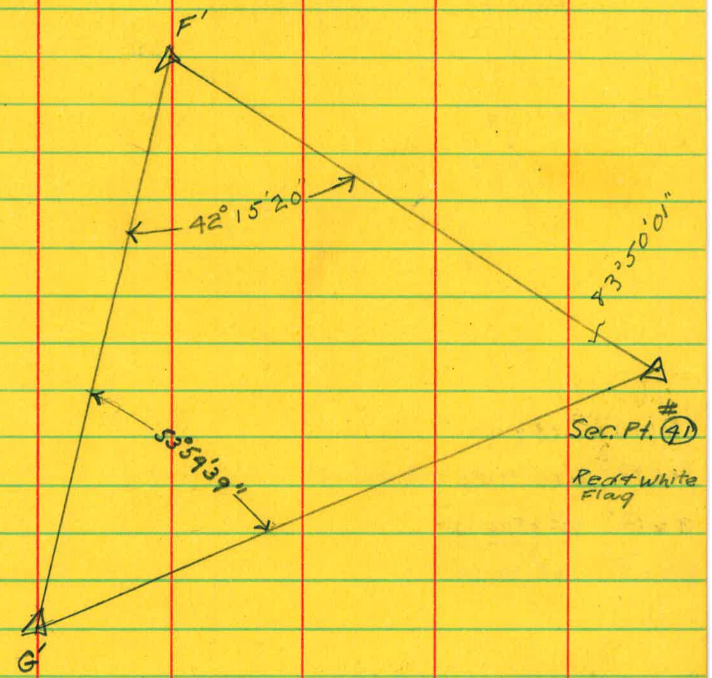
A = G' 215°38'35"

B.S. = F' 53°54'39"

Sec. Pt. # (41) 42°15'25" Angle = L

A = F' 169°01'20"

B.S. = G' 42°15'20"



Calc J B

Sheet # 134

Sec. Pt. # (12) 66°17'55" Angle=R

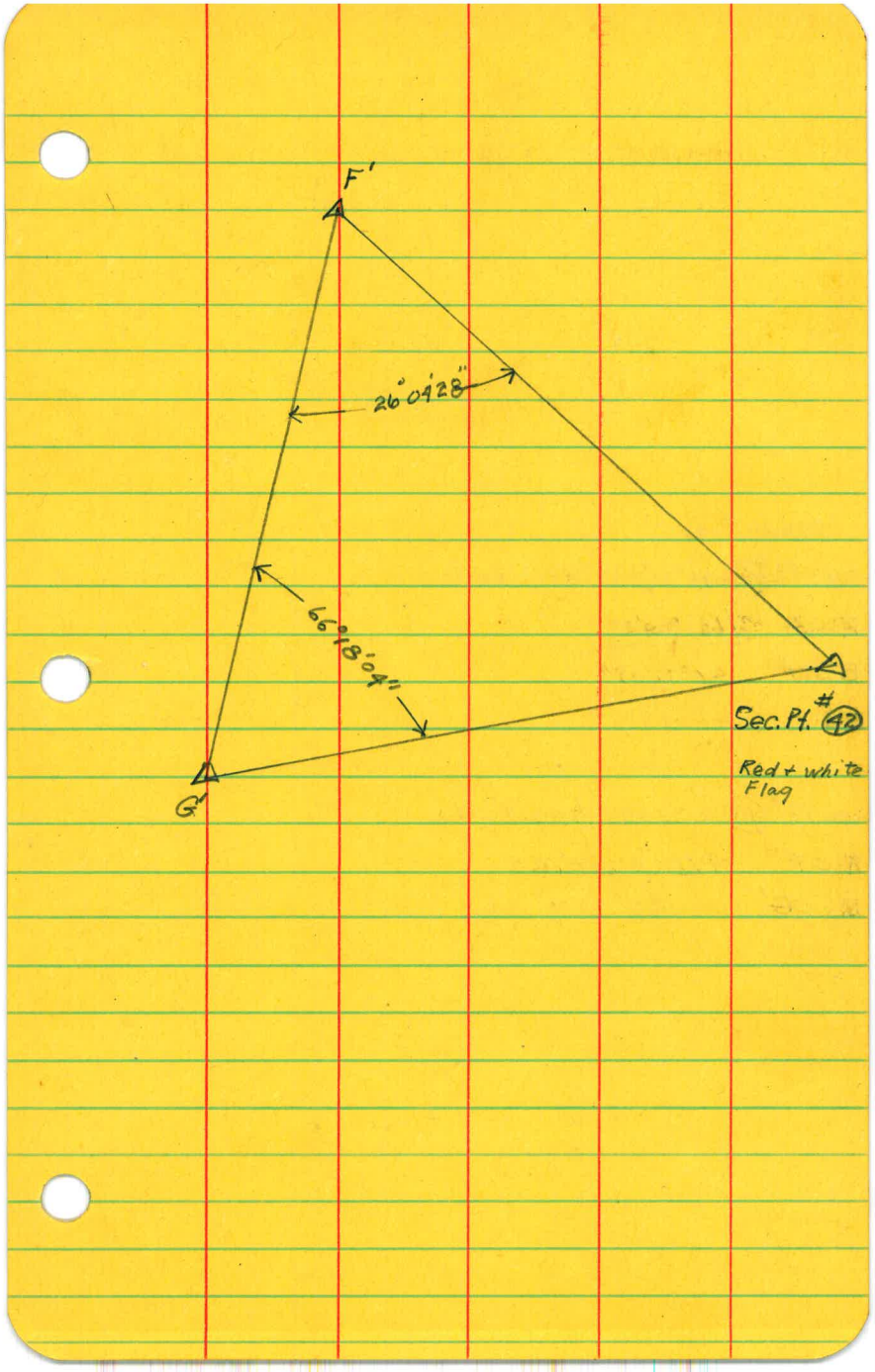
π = G' 4 265°2'15"

B.S. = F' 66°18'04"

Sec. Pt. # (13) 26°04'18" Angle=L

π = F' 4 104°17'55"

B.S. = G' 26°04'28"


F'
26°04'28"
66°18'04"
G'
Sec. Pt. # 42
Red + white Flag

Sheet #134

Sec. Pt. #43 46°31'08" Angle = R.

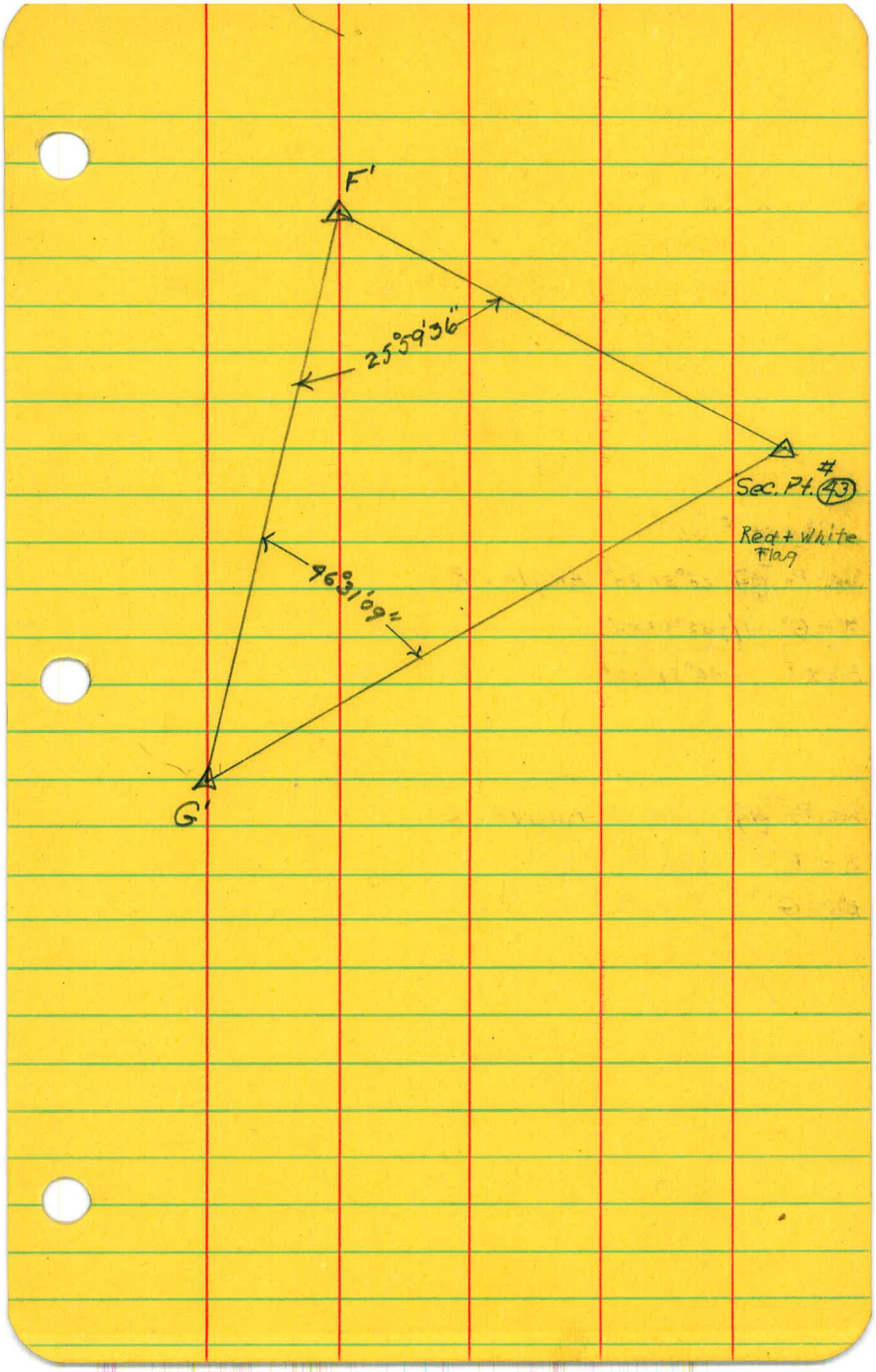
$\pi = G'$ + 186°09'35"

B.S. = F' 46°31'09"

Sec. Pt. #43 25°59'45" Angle = L.

$\pi = F'$ + 103°58'25"

B.S. = G' 25°59'36"


F'
25°59'36"
#
Sec. Pt. (43)
Red + White
Flag
96°31'09"
G'

Sheet # 135

Sec. Pt. # 99 100°54'30" Angle = R

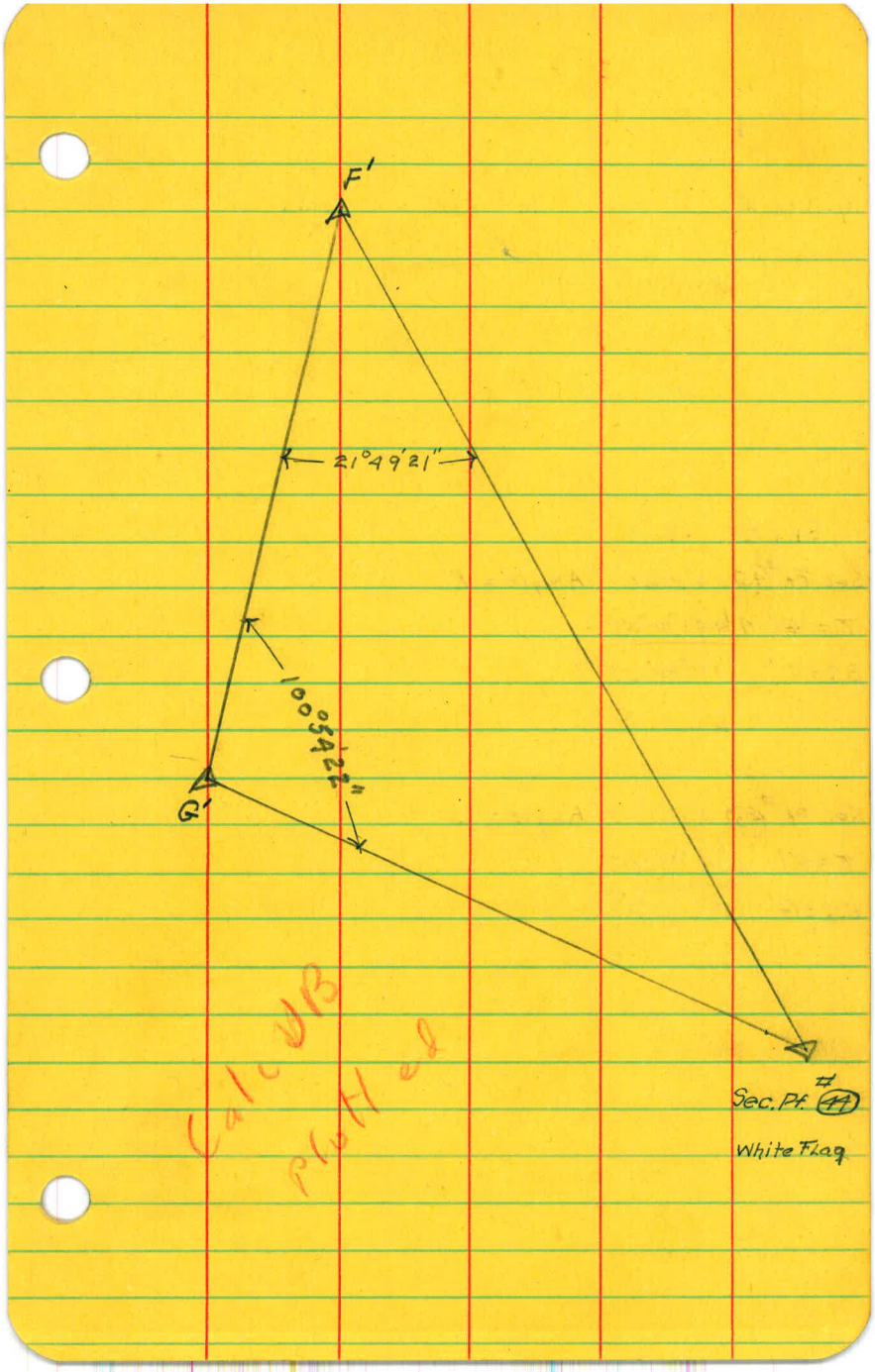
π = G' 4 | 90°37'28"

B.S = F' 100°54'22"

Sec. Pt. # 99 21°49'30" Angle = L

π = F' 4 | 87°17'25"

B.S = G' 21°49'21"



Calc'd
Plotted

Sheet #135

Sec. Pt. #95 110°17'35" Angle = R.

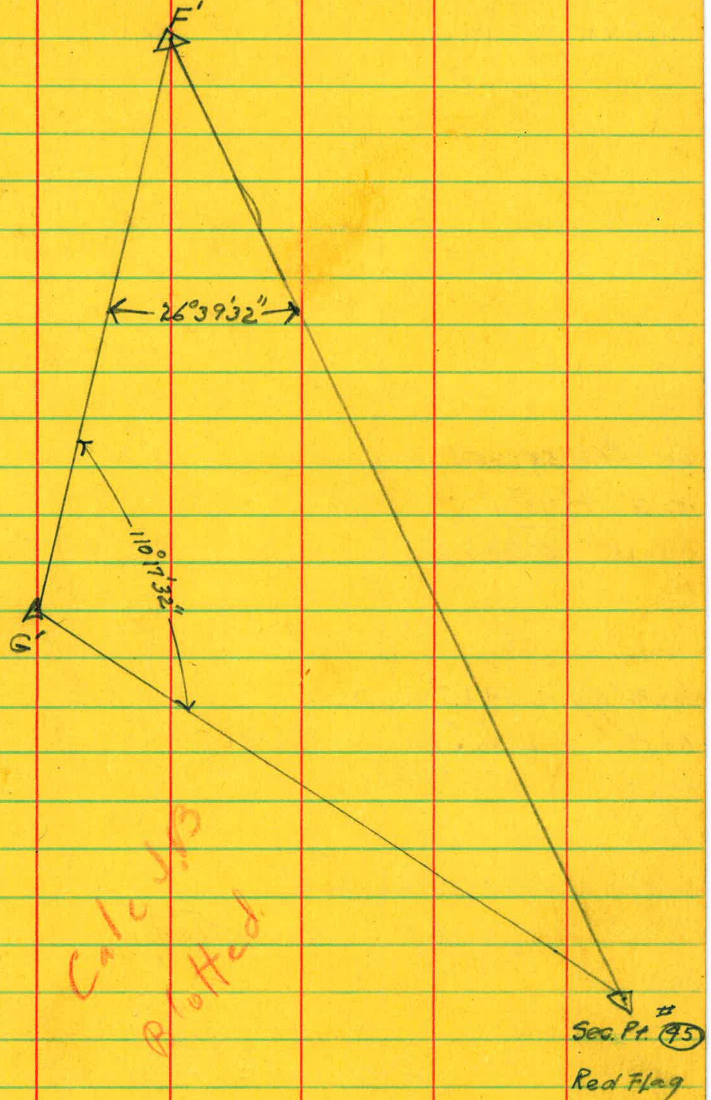
π = G' 4 491°10'08"

B.S. = F' 110°17'32"

Sec. Pt. #95 26°39'45" Angle = L.

π = F' 4 106°38'10"

B.S. = G' 26°39'32"



Calc J.B.
Plotted

Sec. Pt # (46) 53°22'55" Angle = R.

π = G' 4 213°31'55"

B.S. = H' 53°22'59"

Sec. Pt # (46) 10°54'15" Angle = L.

π = H' 4 143°36'20" Direct

B.S. = G' 10°54'05"

Sec. Pt # 46 10°54'22" Angle = L

π = H' 4 143°36'49" Inverted

B.S. = G' 10°54'11"

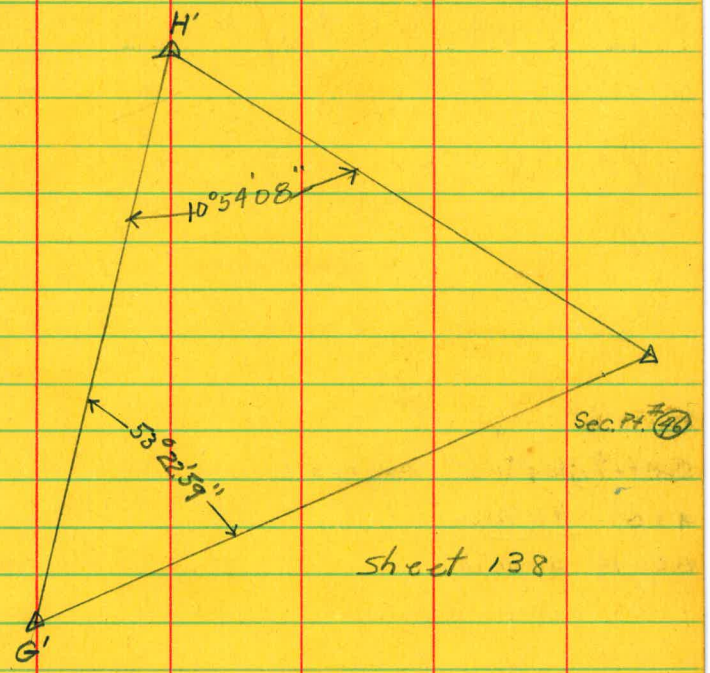
Average = 10°54'08"

Angle = L

Hazy –

Party :– Leach
Simpson
Rouner.
Clarey.

June 18, 1927 (Completed work.)



Sec. Pt. 46

Sheet 138

Plotted
Calc JB

Sheet 141

Sec. Pt. #47 34°01'15" Angle = L.
T = G' + 136°04'40"
B.S. = H' 34°01'10"

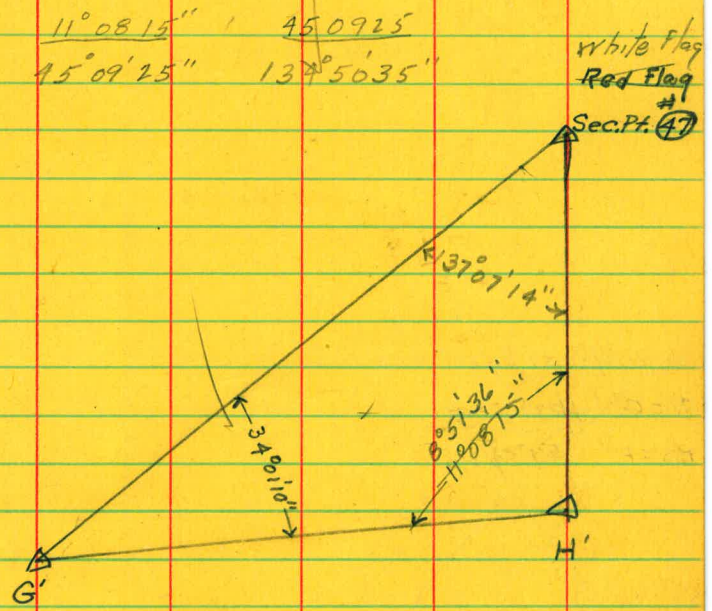
Sec. Pt. #47 11°08'16" Angle = R.
T = H' + 149°33'00"
B.S. = G' 11°08'15"

G' 137°07'20"
T Sec. Pt. #47.6 822°43'25" Angle R.
B.S. = H' 137°07'19

34°01'10" 179°59'60"

11°08'15" 45°09'25"

45°09'25" 134°50'35"



Computed

JCB.

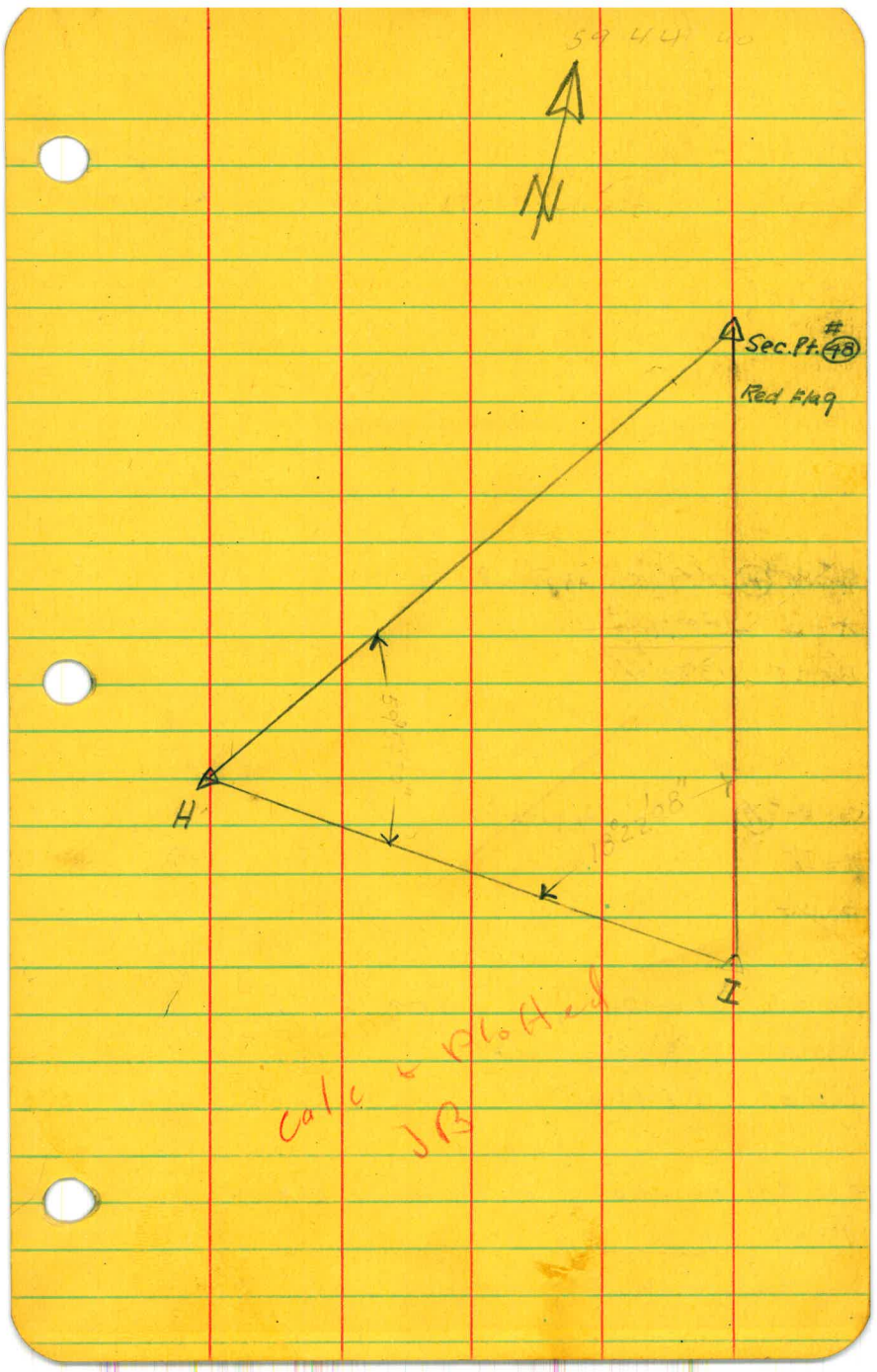
Sheet 141

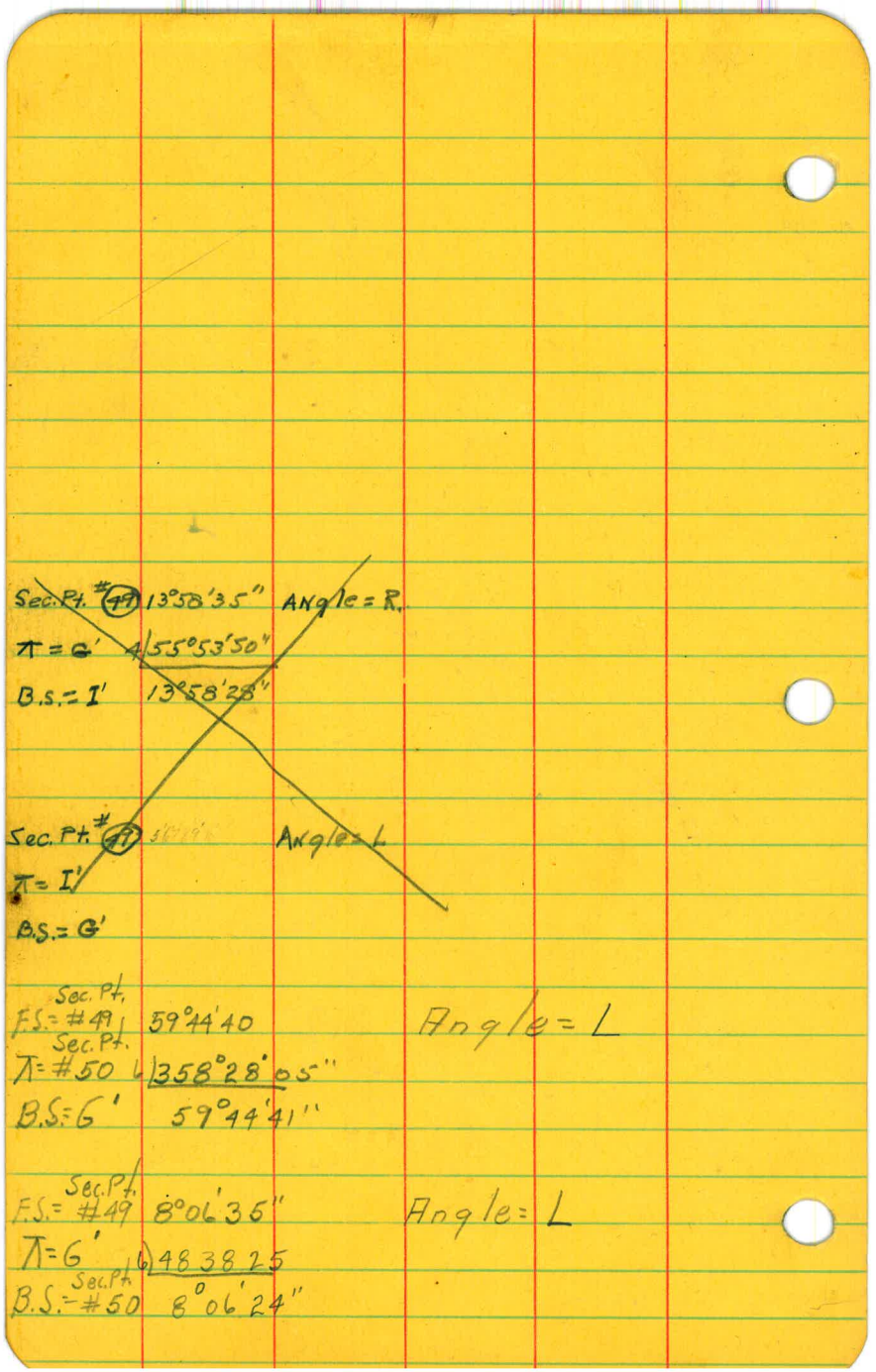
Sec. Pt. #48 59°54'20" Angle = L.
T = G' 4 239°38'00"
B.S. = F' 59°54'30"

Sec. Pt. #48 Angle = R
T = F'
B.S. = G

Sec. Pt. #48 18°22'08" Angle = L
T = H' 4 73°28'20"
B.S. = I' 18°22'05"

Sec. Pt. #48 129°19'30" Angle = R.
T = I' 4 275°56'45
B.S. = H' 129°19'28"


N
Sec. Pt. #48
Red Flag
H
I



F.S. = Sec. Pt. #49 59°44'40 Angle = L

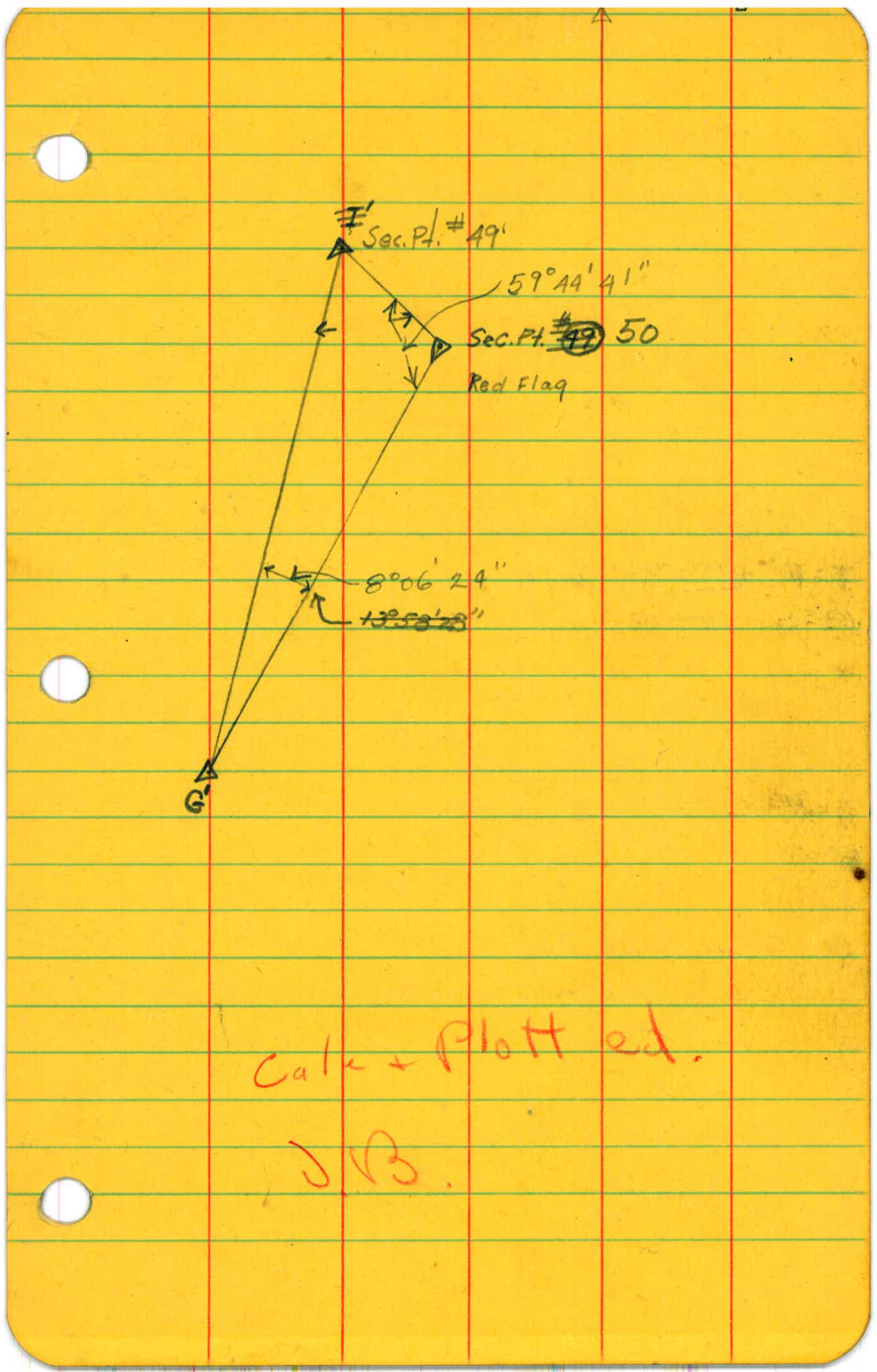
T = Sec. Pt. #50 4 358°28'05"

B.S. = G' 59°44'41"

F.S. = Sec. Pt. #49 8°06'35" Angle = L

T = G' 6 48 38 25

B.S. = Sec. Pt. #50 8°06'24"



Calc + Plott ed.

JVB.

720
360
1080
171
1076

Sec. Pt. #50
Sheet #140.

F.S. = H' 170°44'20"
Sec. Pt. #50 = T 1024°26'05"
B.S. = G' 170°44'21"

170°44'21"
4°51'20"
4°24'37
180°00'78" Check.

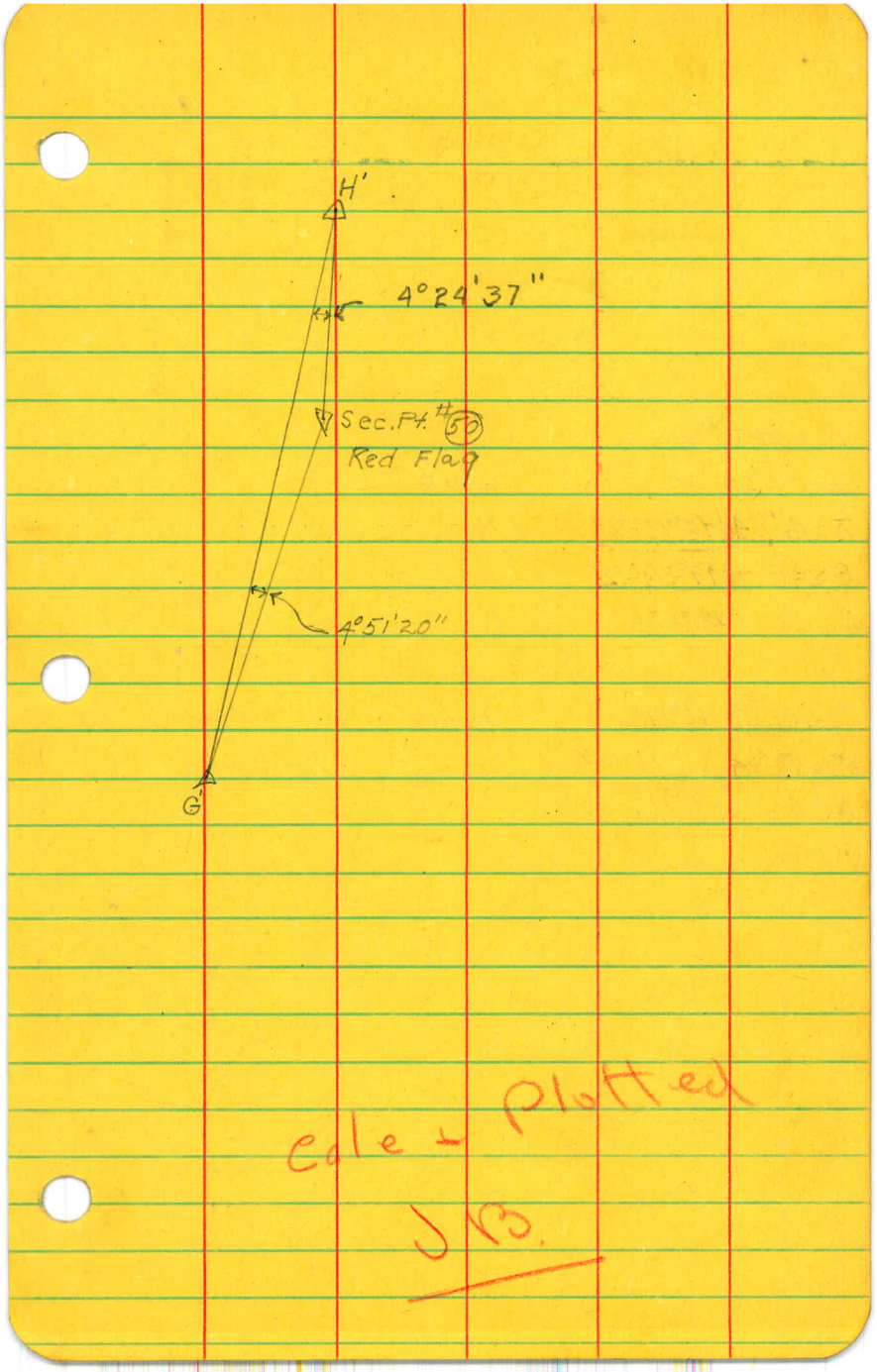
Sec. Pt. #50 4°51'30" Angle = R
T = G' 4 19°25'20"
B.S. = H' 4°51'20"

~~Sec. Pt. #50 4°24'24" Angle = L~~ (Void)
~~T = H' 4 17°37'58~~
~~B.S. = G' 4°24'30"~~ Direct

Sec. Pt. #50 4°24'45" Angle = L
T = H' 4 17°38'35 Inverted.
B.S. = G' 4°24'39"

Sec. Pt. #50 4°24'40" Angle = L
T = H' 4 17°38'20 Inverted.
B.S. = G' 4°24'35"

Average = 4°24'37"



calc + plotted

J13.

Sheet #137

Sec. Pt. #(51) 19°34'20" Angle = L

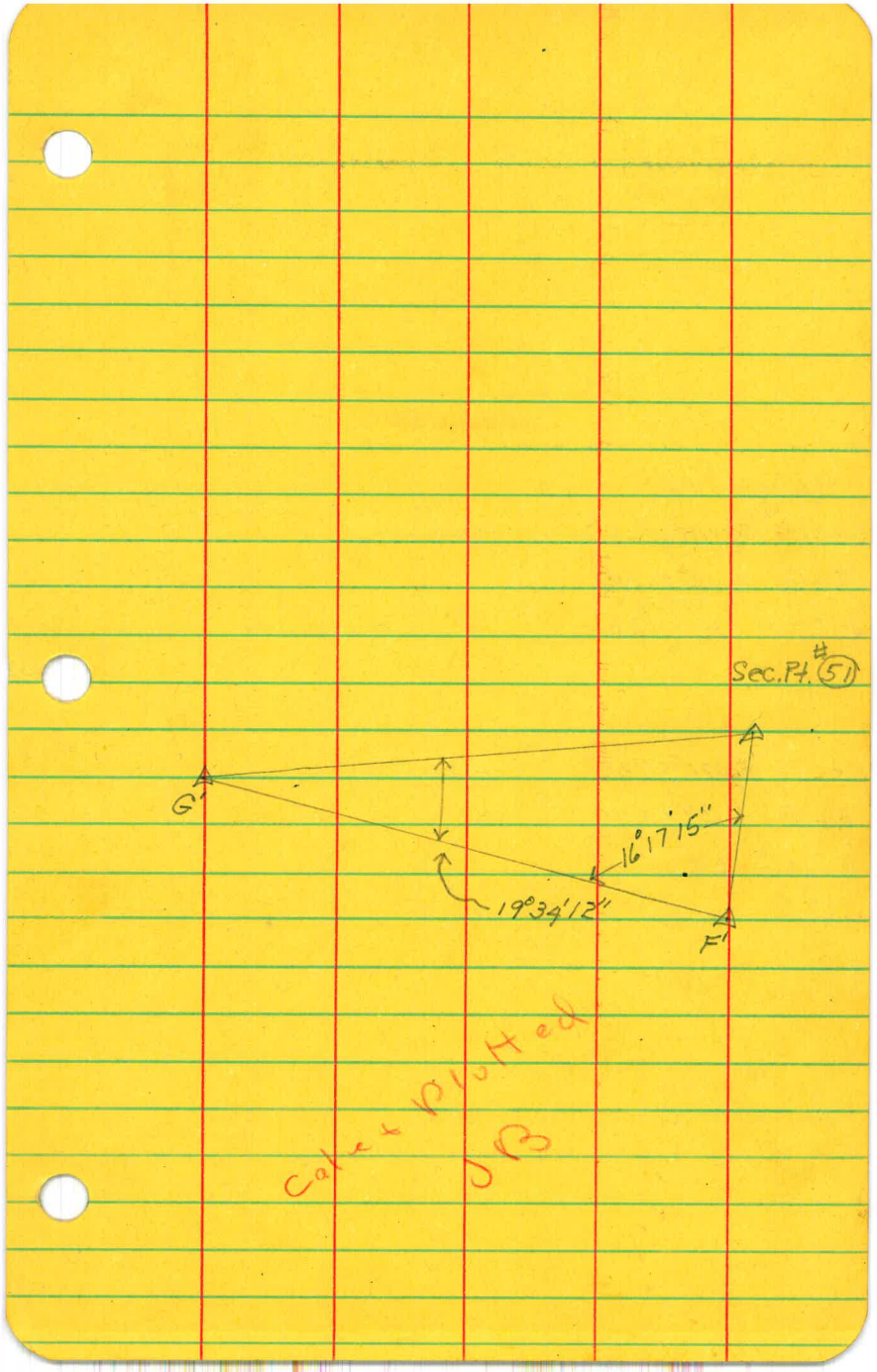
T = G' 4 78°16'50"

B.S. = F' 19°34'12"

Sec. Pt. #(51) 16°17'20" Angle = R

T = F' 4 65°09'00"

B.S. = G' 16°17'15"



Calculated
JCB

Sheet #137

Sec. Pt. #52 18°09'25" Angle = L

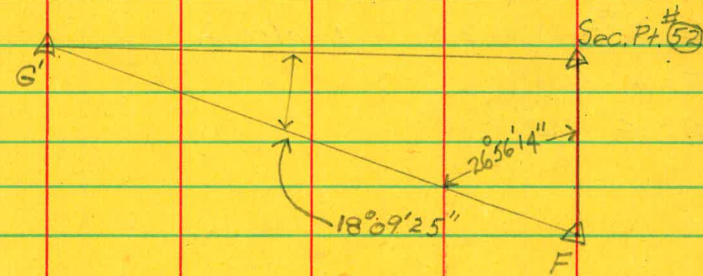
π = G' 4 72°37'30"

B.S. = F' 18°09'22"

Sec. Pt. #52 26°56'25" Angle = R

π = F' 4 107°44'55"

B.S. = G 26°56'14"



Calc + plotted
JB.

Sec. Pt. #53 55°55'30" Angle = R

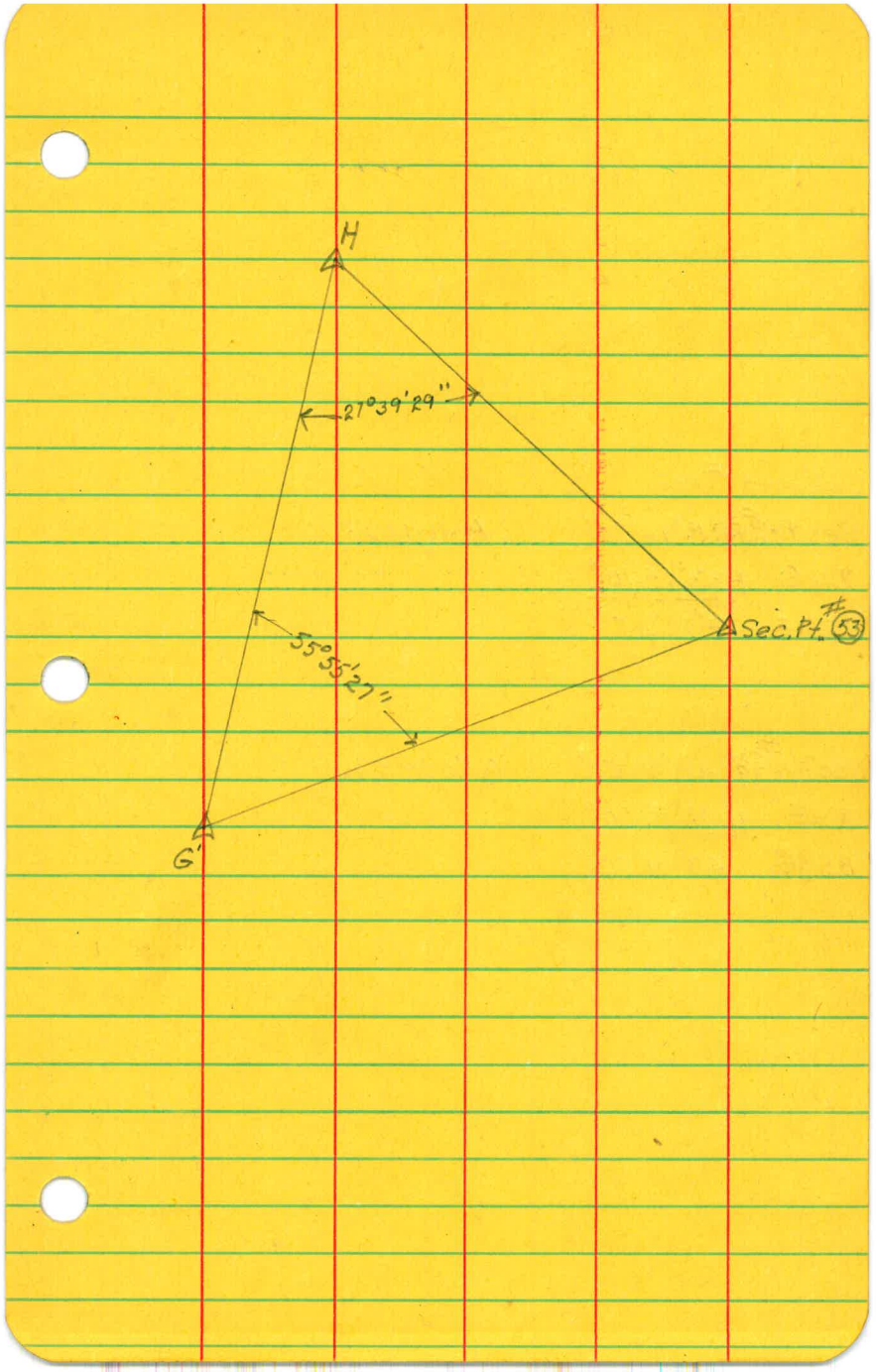
π = G' 4 223°41'48"

B.S. = H' 55°55'27"

Sec. Pt. #53 27°39'23" Angle = L

π = H' 4 110°37'55"

B.S. = G' 27°39'29"


H
27°39'29"
Sec. Pt. #53
55°55'27"
G

Sheet #133

Sec. Pt. #(54) 8°16'30" Angle = R

π = G' 4 33°05'40"

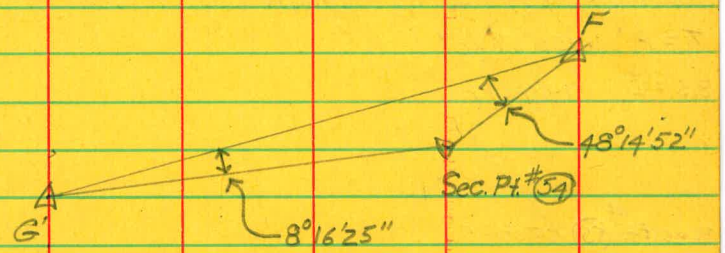
B.S. = F' 8°16'25"

Sec. Pt. #(54) 48°14'50" Angle = L

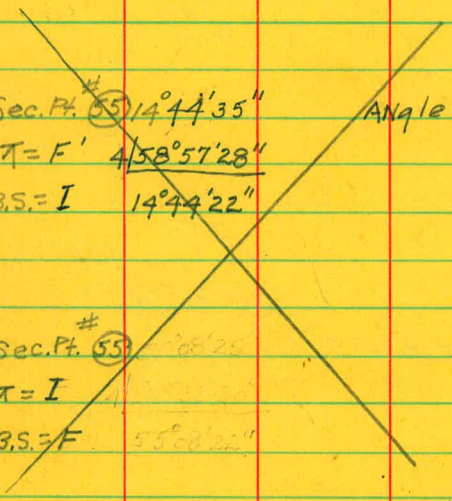
π = F' 4 192°59'30"

B.S. = G 48°14'52"

Sec. Pt # 54
Sheet #133



Sec. Pt. # 55
Sheet # 136

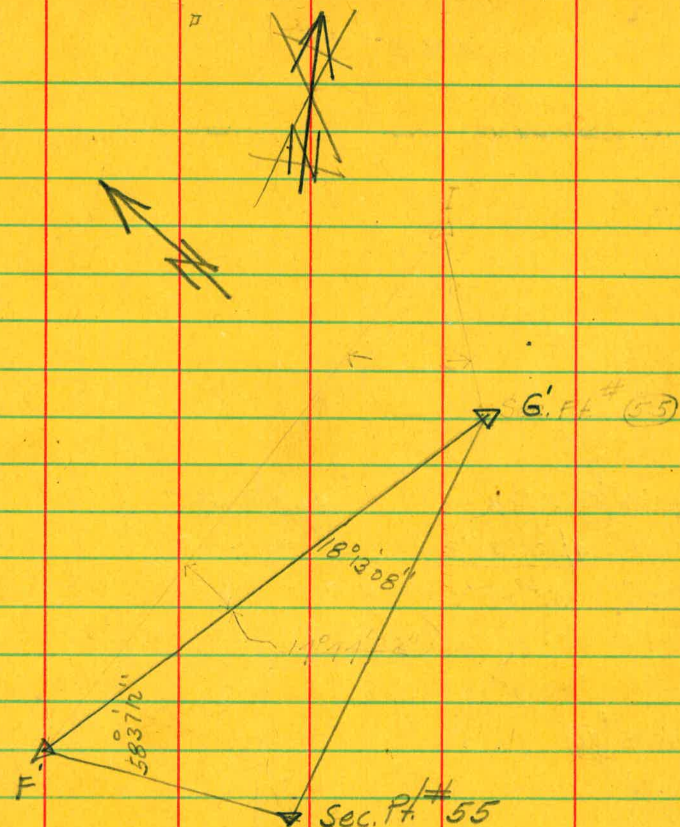


Sec. Pt. # 55 14°44'35" Angle = R
T = F' 4 58°57'28"
B.S. = I 14°44'22"

Sec. Pt. # 55
T = I
B.S. = F

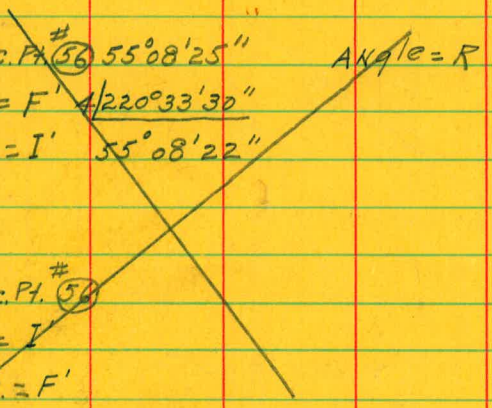
F.S. = Sec. Pt. # 55 58°37'12" Angle = R.
T = F' 6 351°43'10"
B.S. = G' 58°37'12"

F.S. Sec. Pt. # 55 18°13'05" Angle = L.
T = G' 6 109 18 50"
B.S. = F' 18°13'08"



N
N
G'. Pt. # 55
18°13'08"
58°37'12"
F'
Sec. Pt. # 55

Sec. Pt. # 56
Sheet # 136

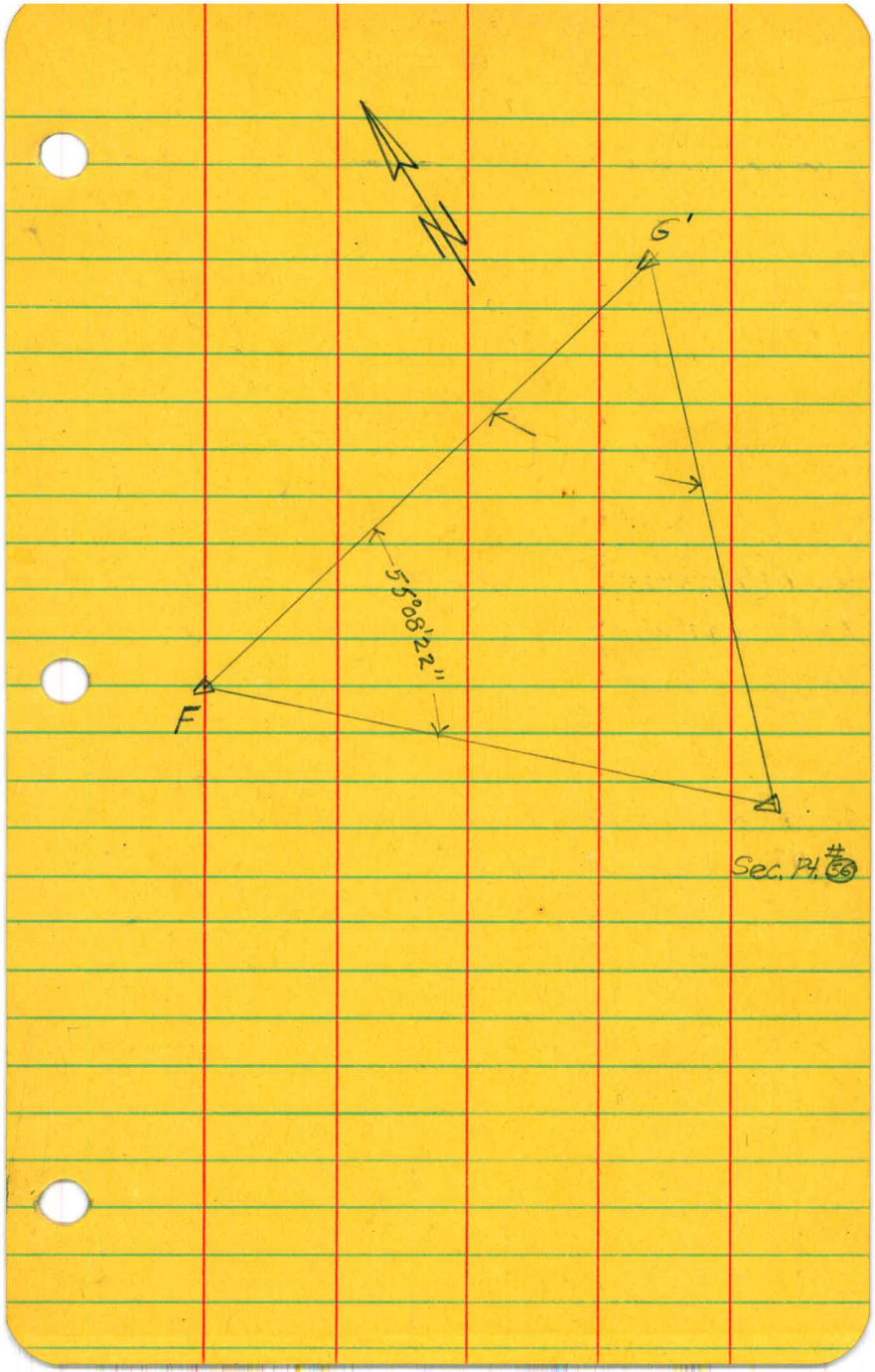


Sec. Pt. # 56 55°08'25"
π = F' 220°33'30"
B.S. = I' 55°08'22"

Sec. Pt. # 56
π = I'
B.S. = F'

F.S. = Sec. # 56 99°01'55" Angle = R.
π = F' 594°10'45"
B.S. = G' 99°01'46"

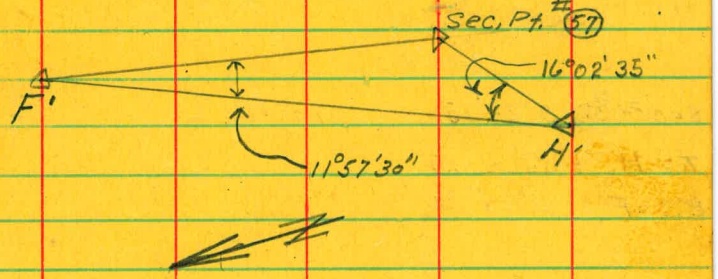
F.S. = Sec. # 56 15°04'18" ~~15°03'53"~~
π = 6' 90°25'40"
B.S. = F' 15°04'16"


N
G'
F
55°08'22"
Sec. P4. #56

Sec. Pt. # 57
Sheet # 139

Sec. Pt. # (57) 11°57'25" Angle = L
T = F' 4 | 47°50'00"
B.S. = H 11°57'30"

Sec. Pt. # (57) 16°02'38" Angle = R
T = H 5) 80°12'55"
B.S. = F' 16°02'35"

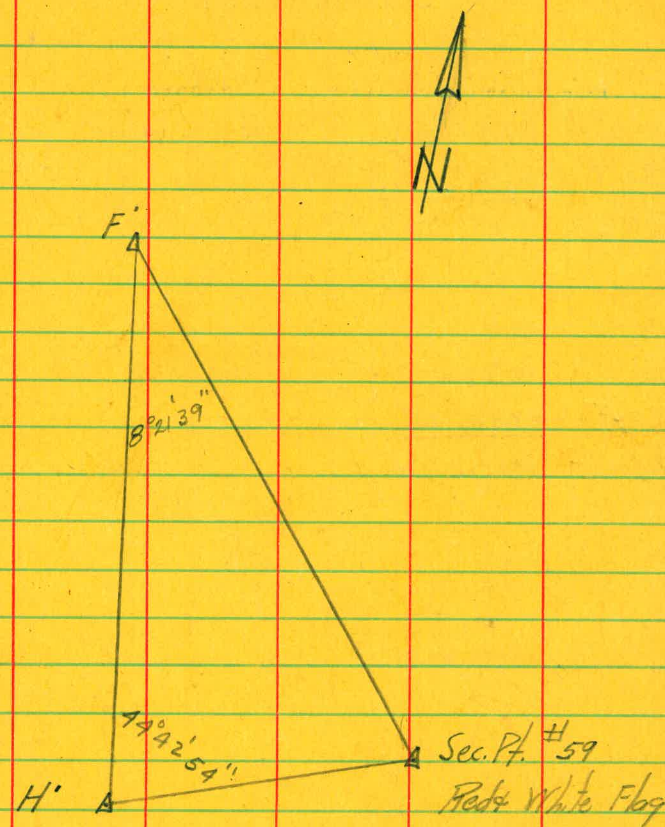


Calc + Plotted
JB

Sec. Pt. # 58
Sheet # 139

Sec. Pt. # (58) 3°46'32" Angle = R
π = F' 4 15°05'35"
B.S. = H' 3°46'24"

Sec Pt. # (58) 5°24'35" Angle = L
π = H' 4 21°37'20"
B.S. = F' 5°24'20"

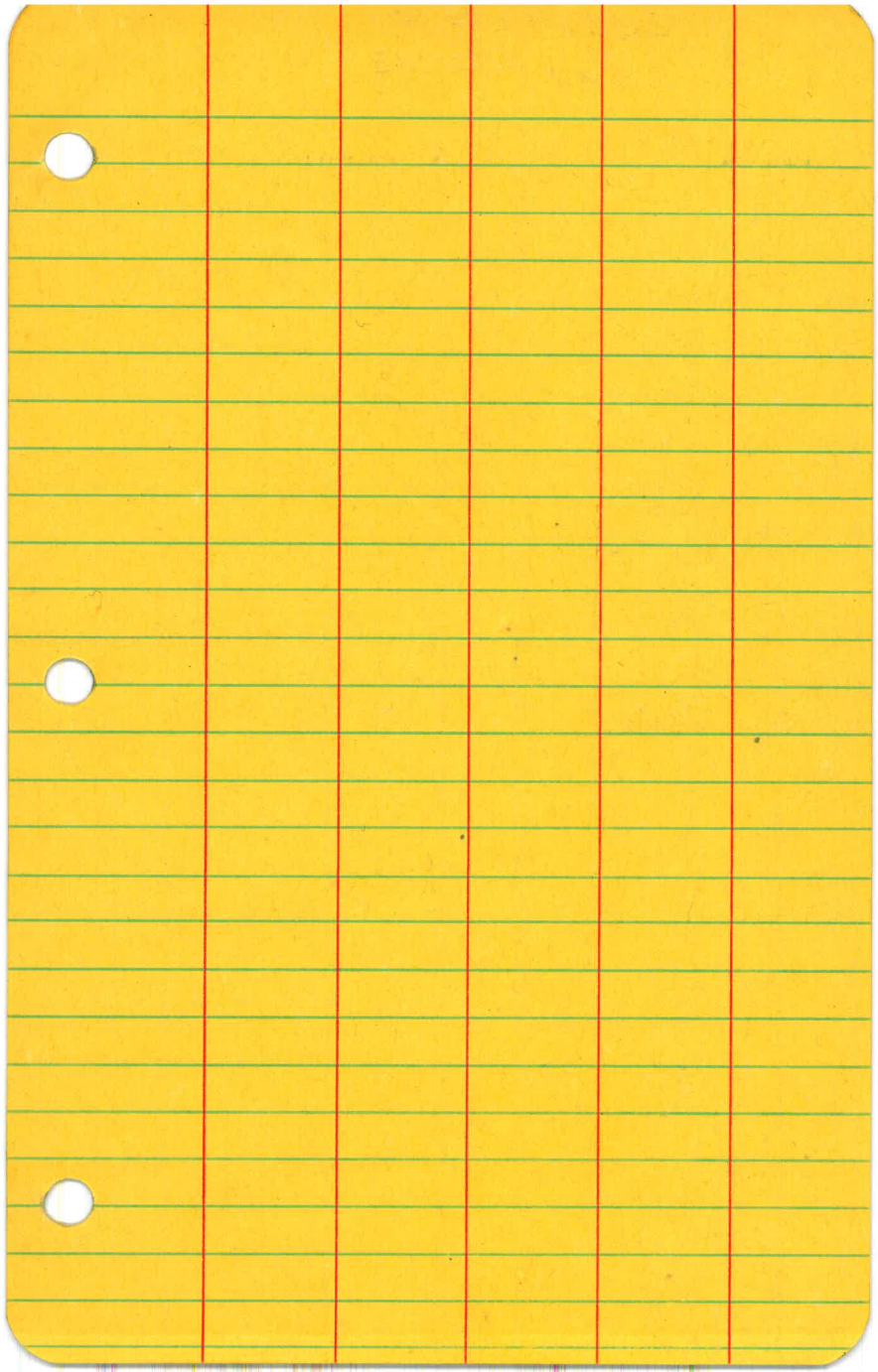


Calc & Plotted J.B.

Sec. Pt. # 36.
Sheet # 131

F.S. = Sect Pt. #36. 58°54'10" Angle=R.
T = I + 353°24'15"
B.S. = F 58°54'02"

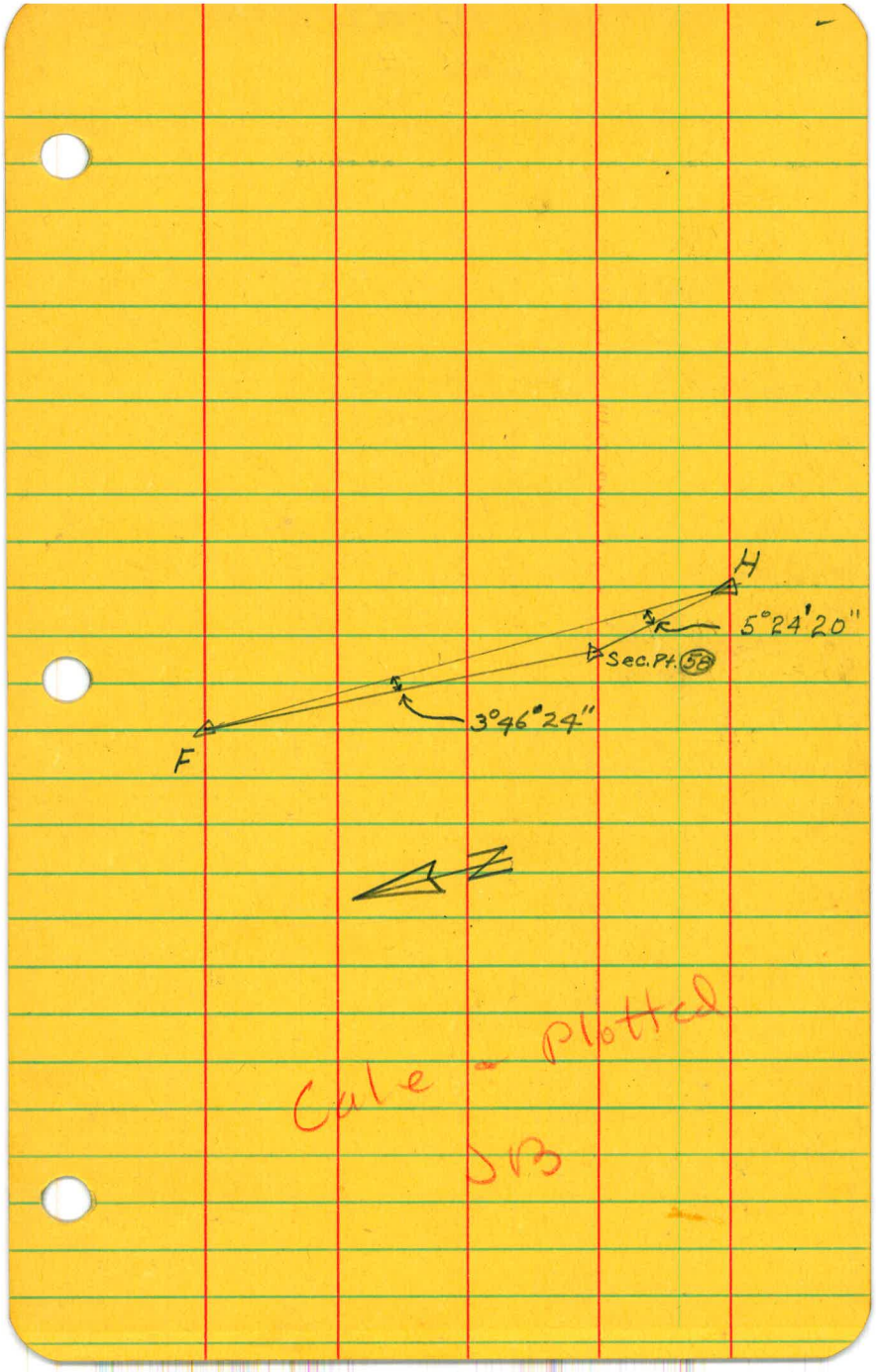
F.S. = 83°02'10" Angle=L
T = F 498°13'18"
B.S. = I 83°02'13"



Sec. Pt. # 59
Sheet # 142

Sec.Pt.# 59 49°43'00"
π = H' @ 178°51'38" Angle = R.
B.S. = = F 44°42'54"

Sec.Pt.# 59 8°21'50"
π = F' @ 50°09'55" Angle = L.
B.S. = H. 8°21°39"



Calc - Plotted

JRB

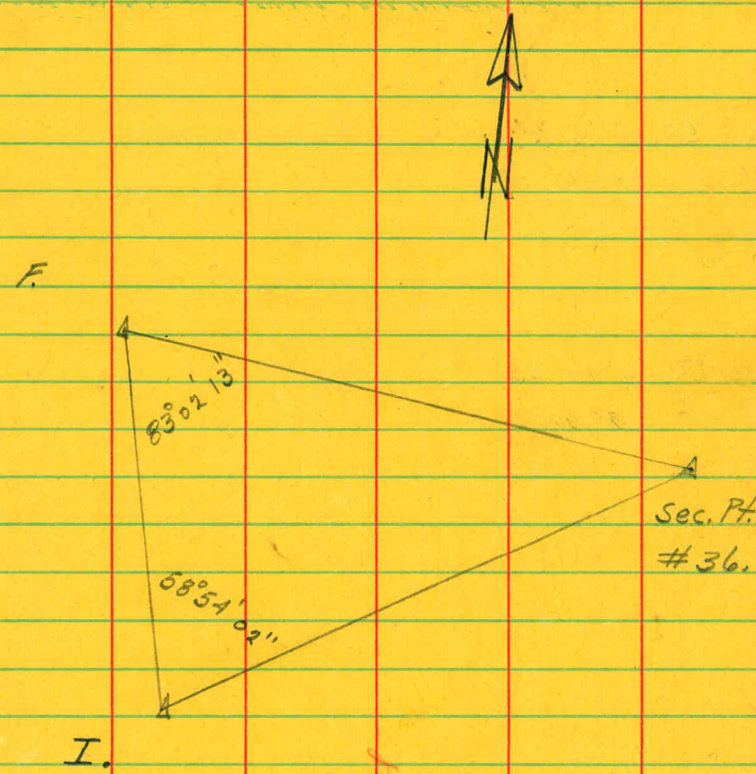
Sec. Pt. #1
Sheet #

Sec Pt #1 26°20'00"
T-D' A 45°20'25"
B.S.=B.L.2 26°20'06"

~~118°26'35"~~
Sec. Pt. #1 118°26'40"
T=B.L.2 ~~73°46'35"~~
B.S.=D 118°26'39"

July 1, 1927
Hot -

Party - Leach Notes
Simpson ⊼
Rayner. } Rod
Clavert.

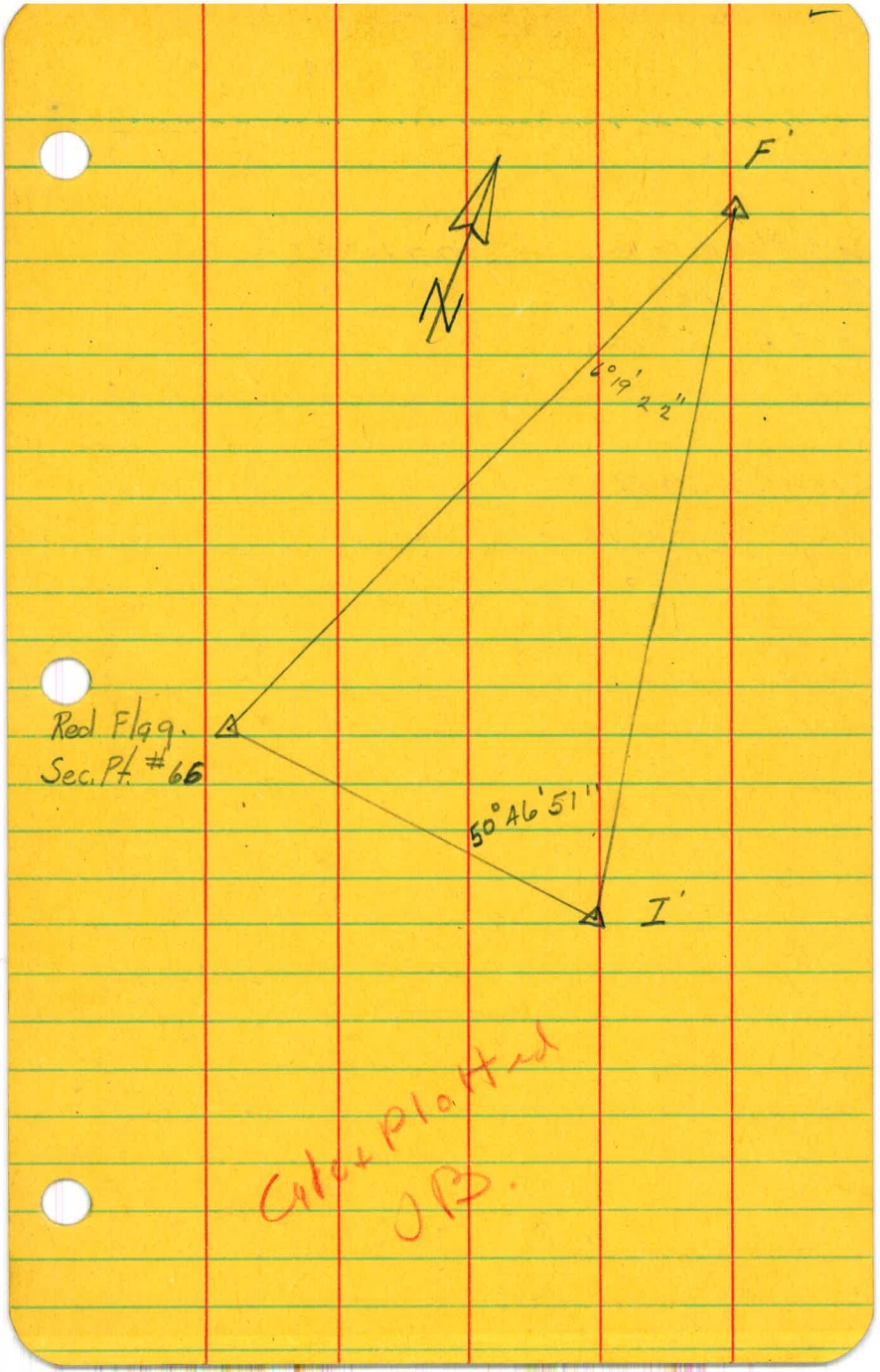


Calc & plotted
SB.

Sec. Pt. # 66
Sheet # 143

Sec. Pt. # 66 50°46'40" Angle: L.
P.I. = I 304°41'10"
B.S. = F 50°46'51"

Sec. Pt. # 66 6°19'25" Angle = R.
P.I. = F 37°56'15"
B.S. = I 6°19'22"



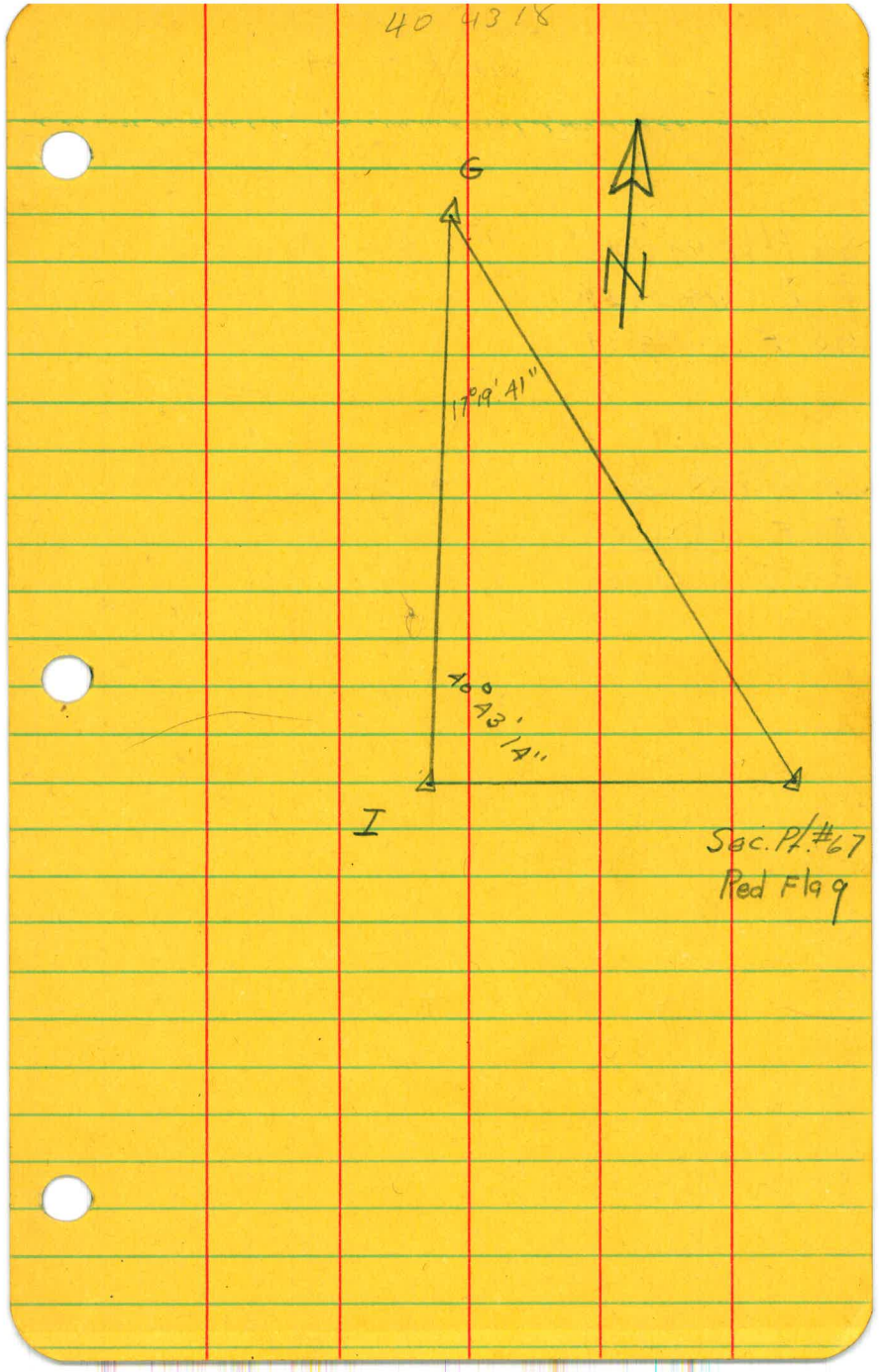
Calc. Plotted
JPD.

Sec. Pt. #67
Sheet # 144

Sec. Pt. #67 40°48'18" Angle = R.
T = I 6) 249°19'25"
B.S. = G 40°43'14"

Sec. Pt. #67 17°19'50"
T = G 6) 103°58'05
B.S. = I 17°19'41"

40 43 18



Sec. Pt. #67
Red Flag

Sec. Pt. #168
Sheet #144

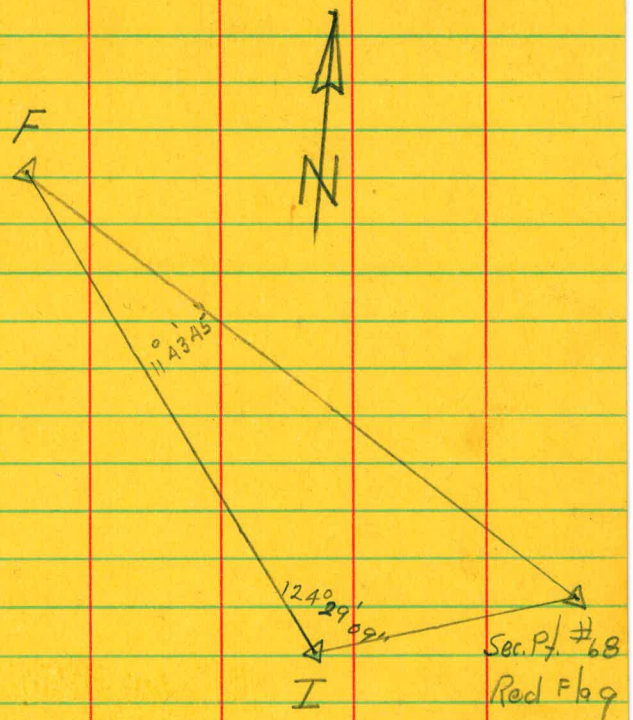
Sec. Pt #68 124°29'13" Angle = R.
T = I 124°54'54"
B.S. = F 124°29'09"
3 4"

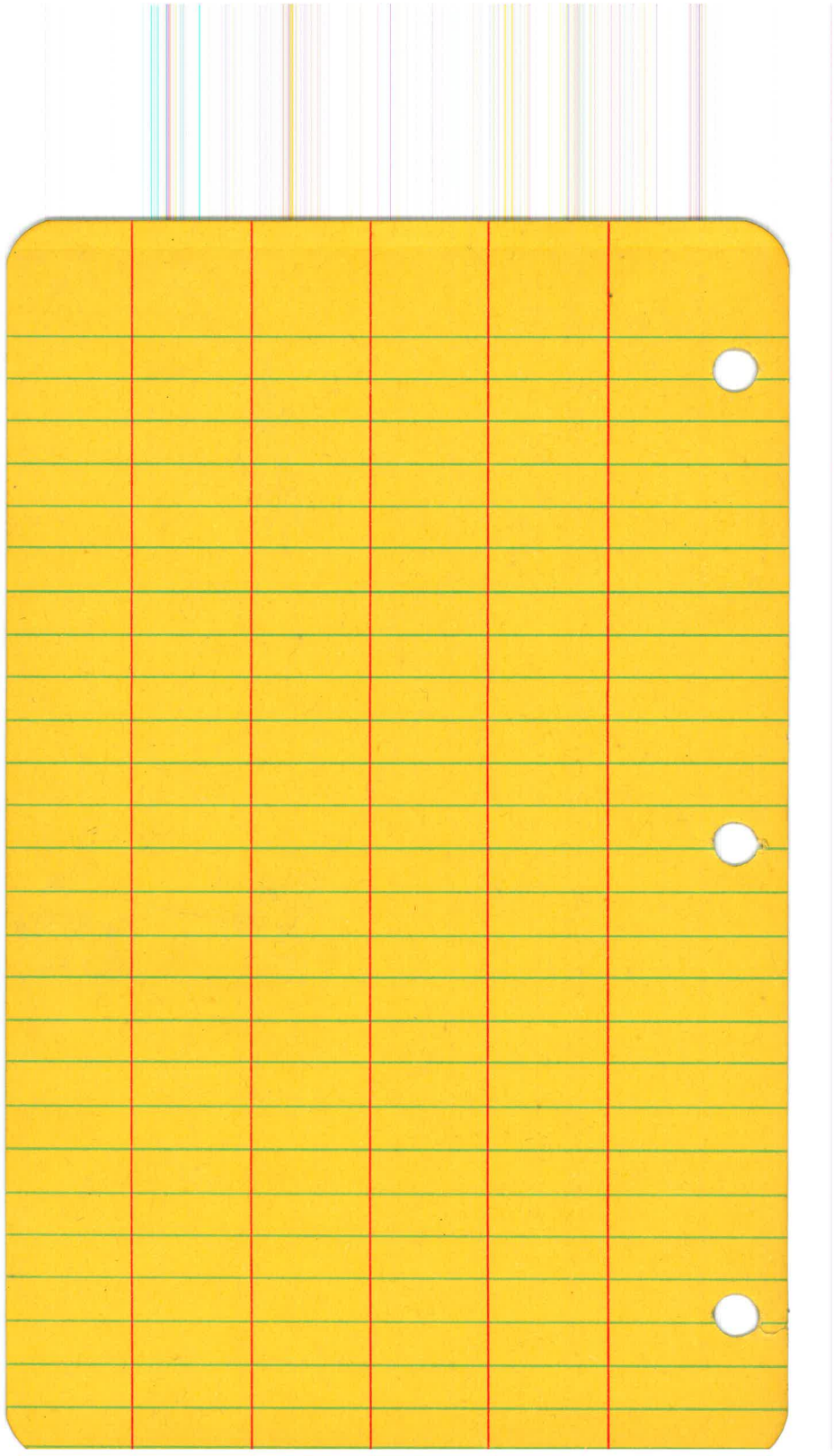
Sec. Pt #68 11°43'50" Angle = L.
T = F 70°22 32
B.S. = I 11°43'45"

July 1, 1927

Party - Leach / Notes
Simpson
Rauner Rod.
Clavert "

Very Hot.





Location of Secondary
Points # 60, 61, 62, 63, 64, 65.

Party: Leach.
Simpson
Rauner.

June 24, 1927.

completed.
VB

Sheet 115A

Sec. Pt. #60. 36° 20' 50" Direct

π = B' 4 | 145° 22' 40" Angle = L.

B.S. = Sec. #39 36° 20' 40"

Sec. Pt. #60 36° 20' 45"

π = B' 4 | 145° 22' 45"

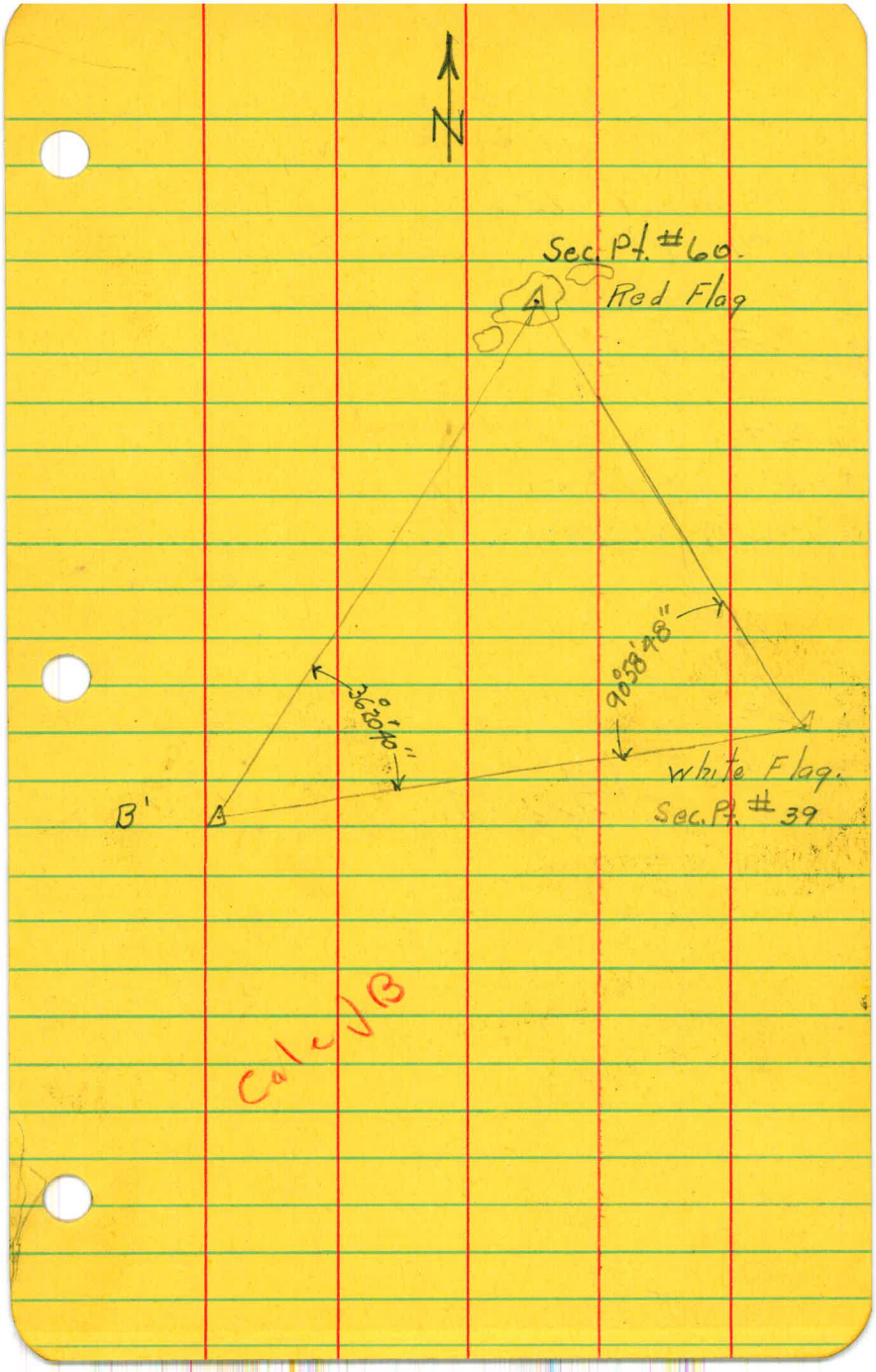
B.S = Sec. Pt. #39 - 36° 20' 41"

Average = 36° 20' 40"

Sec. Pt. #60 90° 58' 50" Angle = R

π = Sec. #39 4 | 363° 55' 10"

B.S. = B 90° 58' 48"



Calc VB

Sheet 115A

Sec. Pt. #61 62°59'05" Direct

π = B' A 251°57'15" Angle = L

B.S. = Sec. #39 62°59'19"

Sec. Pt. #61 62°59'00"

π = B' A 251°56'50"

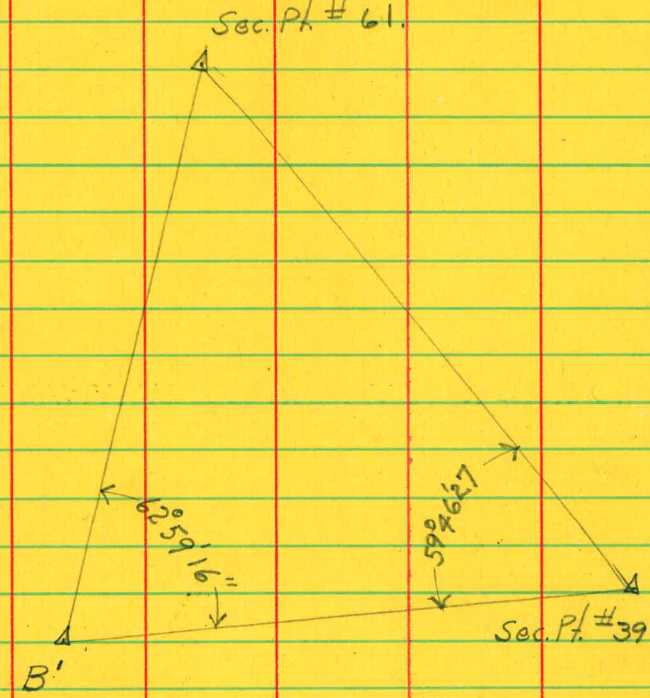
B.S = Sec. #39 62°59'13"

Average = 62°59'16"

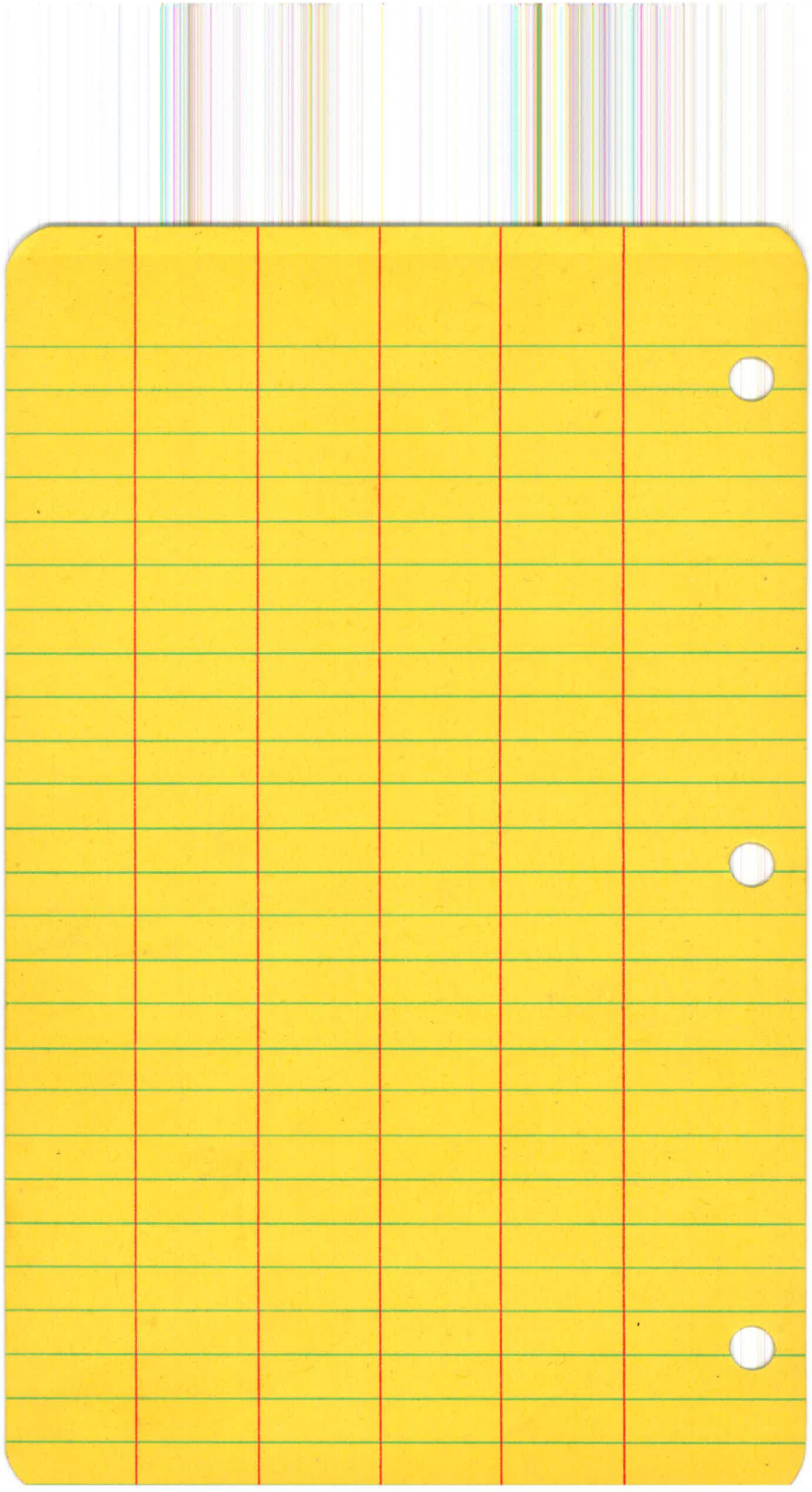
Sec. Pt. #61 59°46'27" Angle = R

π = Sec. Pt. #39 239°05'25"

B.S. = B 59°46'27"



Cacl P.C.



The location of Sec. Pts.
#62, 63, 64 & 65. also #22

Party - Leach
Simpson
Rauner.

June 24, 1927.

completed
JB

Sec. Pt. #22
Sheet #122

1

Inverted
Angle = L

Sec. #22 116°33'05"
π = B' 6 699°17'25"
B.S. = A' 116°32'54"

Sec. Pt. #22 116°33'02"
π = B' 6 699°17'00"
B.S. = A' 116°32'50"

Direct
Angle = L

Average = 116°32'52"

Sec. Pt. #22 17°15'57"
π = A' 6 103 3420
B.S. = B' 17°15'43"

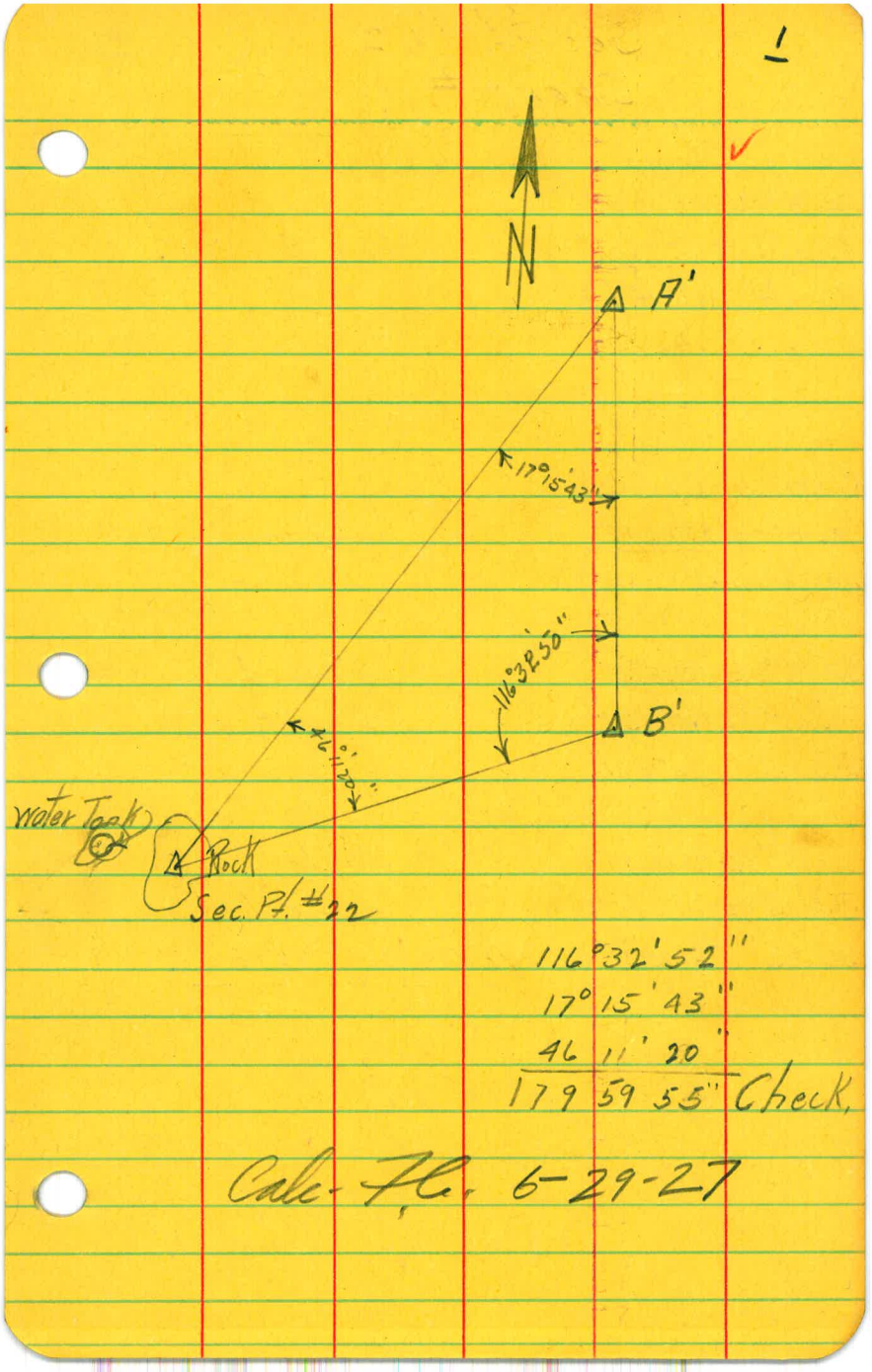
Angle = R.

B' 46 11 25
π = #22 4 18495 15"
B.S. = A' 46°11'19"

Direct
Angle = R.

B' 46 11 25
π = #22 4 18495'20"
B.S = A' 46 11 20

Inverted
Angle = R.



116°32'52"
17° 15' 43"
46 11' 20"
179 59 55" Check.

Calc. F.C. 6-29-27

Sec. Pt. #62
Sheet #122 B

Sec. Pt. #62 149°18'55"
Π = Sec. Pt. #62 89°53'20" Angle = R.
B.S. = A' 149°18'53"

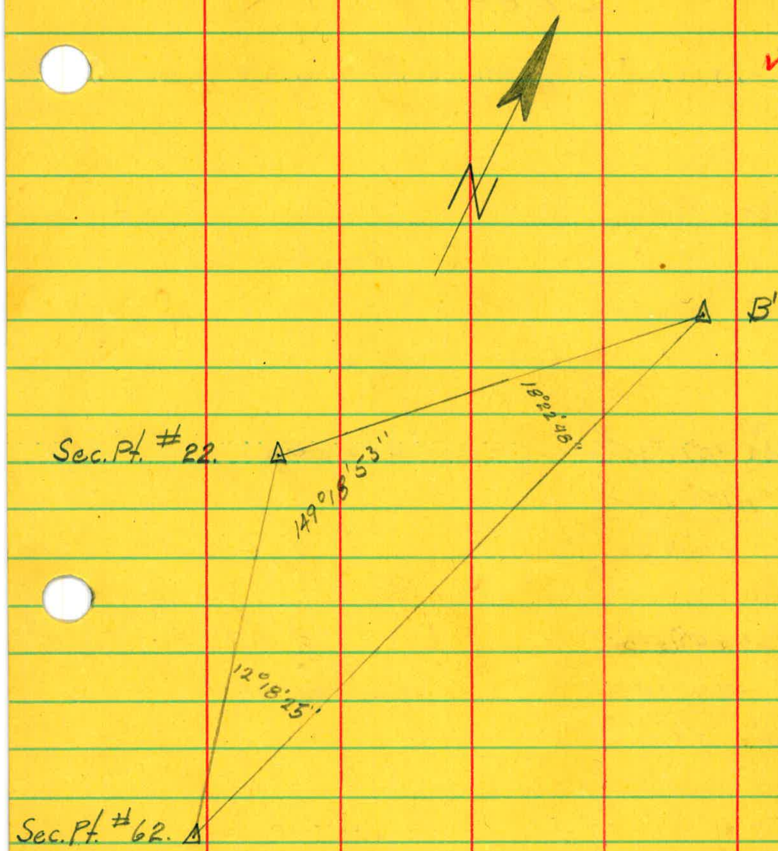
Sec. Pt. #62 18°22'40"
Π = B' 4 73°31'12" Angle = L
B.S. = Sec. #22 18°22'48"

Sec. Pt. #22 12°18'15" Angle = L.
Π = Sec. Pt. #62 A 49°3'50" Direct.
B.S. = B' 12°18'27"

Sec. Pt. #22 12°18'15"
Π = Sec. Pt. #62 4 49°3'25" Inverted.
B.S. = B' 12°18'21" Average = 12°18'25"

149°18'53"
18 22 48
12 18 25
180°00'06" Check.

2



Calc [illegible] 6-29-27

Sec. Pt # 64
Sheet # 121 A

3

Sec. Pt. #64 116°00'00"
PI = B' 464°00'30"
B.S = A' 116°00'07"

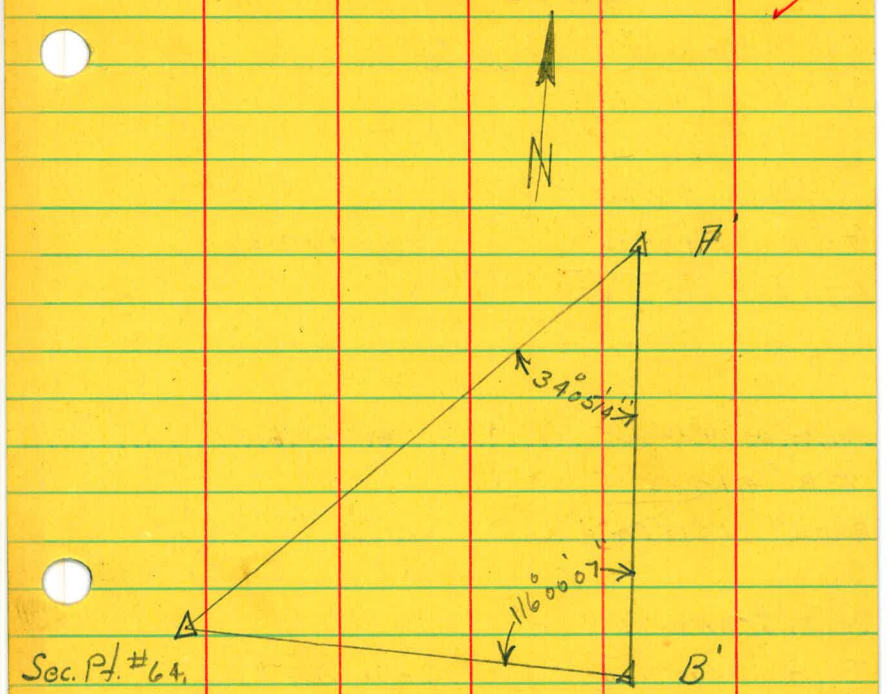
Angle = L

~~Sec. Pt. #64 30°17'35"~~
~~PI = B' 121°10'00"~~
~~B.S = C' 30°17'30"~~

~~Angle = L~~

Sec. Pt. #64 34°05'30"
PI = A' 136°20'55"
B.S. ~~= B'~~ 34°05'14"

Angle = R.



Soc. Pf. #64.

Calc Fle. 6-29-27

Sec. Pt. # 65
Sheet # 121A

4

Sec. Pt. #65 105°20'40"
T = B' 4 421°22'20"
B.S. = A' 105°20'35"

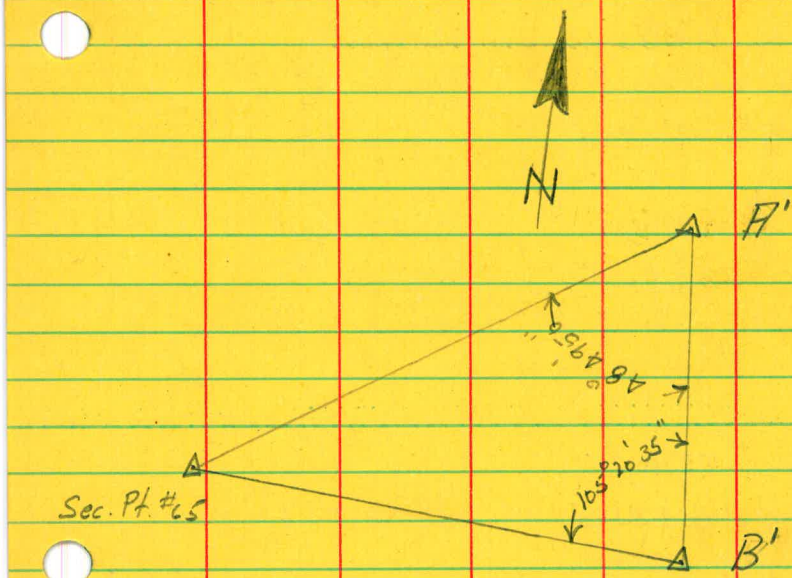
Angle = L.

~~Sec Pt. #64 19°38'00"~~
~~T = B' 4 38°31'50"~~
~~B.S. = C' 19°37'50"~~

~~Angle = L~~

Sec. Pt. #65 48°49'55"
T = A' 4 ~~195°19'20"~~
B.S. = B' 48°49'50"

Angle = R.



Calculated F.L. 6-29-27

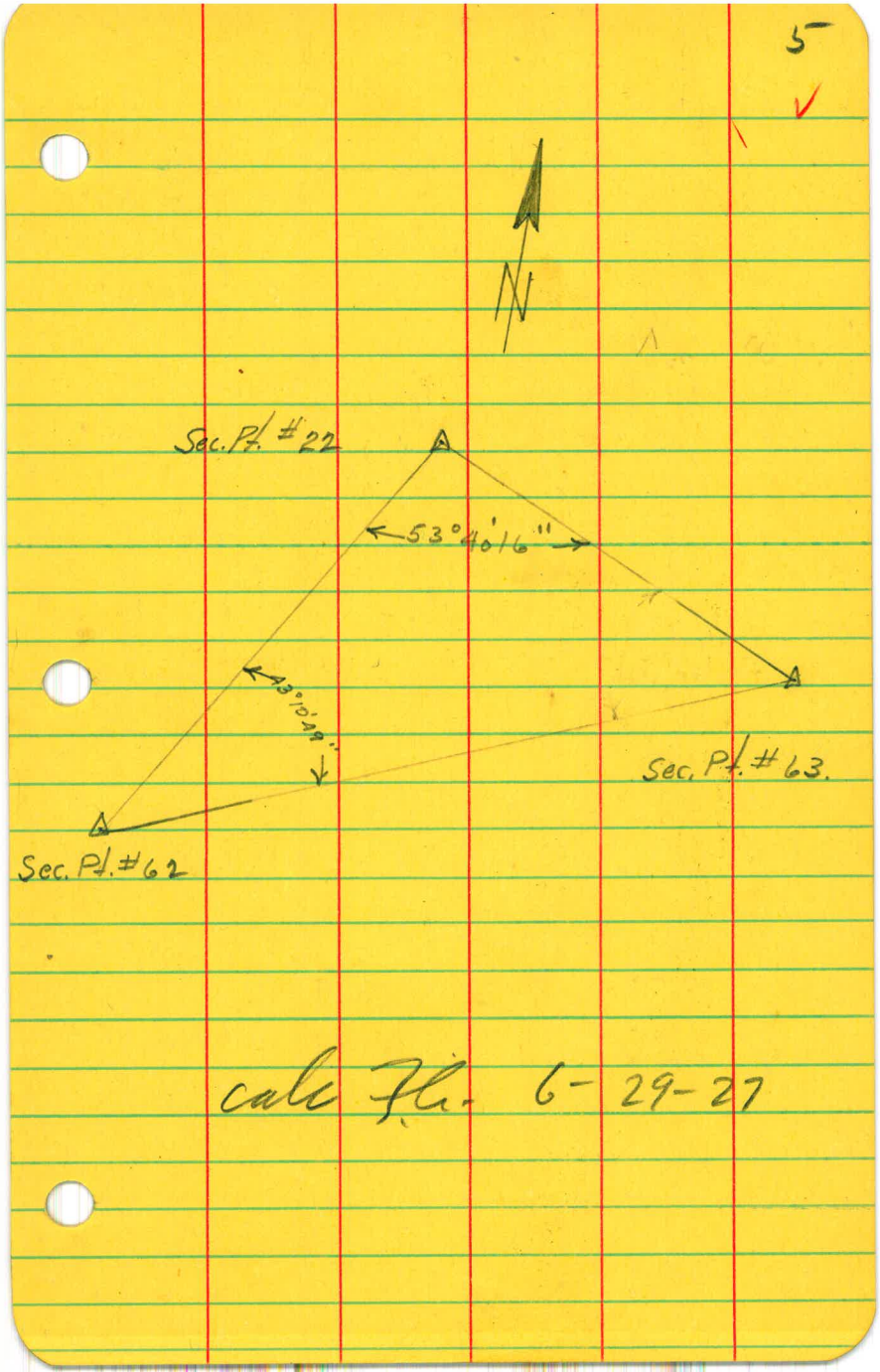
Sec. Pt. # 63
Sheet # 122 B. 5

Sec. Pt. #63 43°10'45" Direct
π = Sec. Pt. #62 4 172°43'10" Angle = R.
B.S. = Sec. Pt. #22 43°10'47"

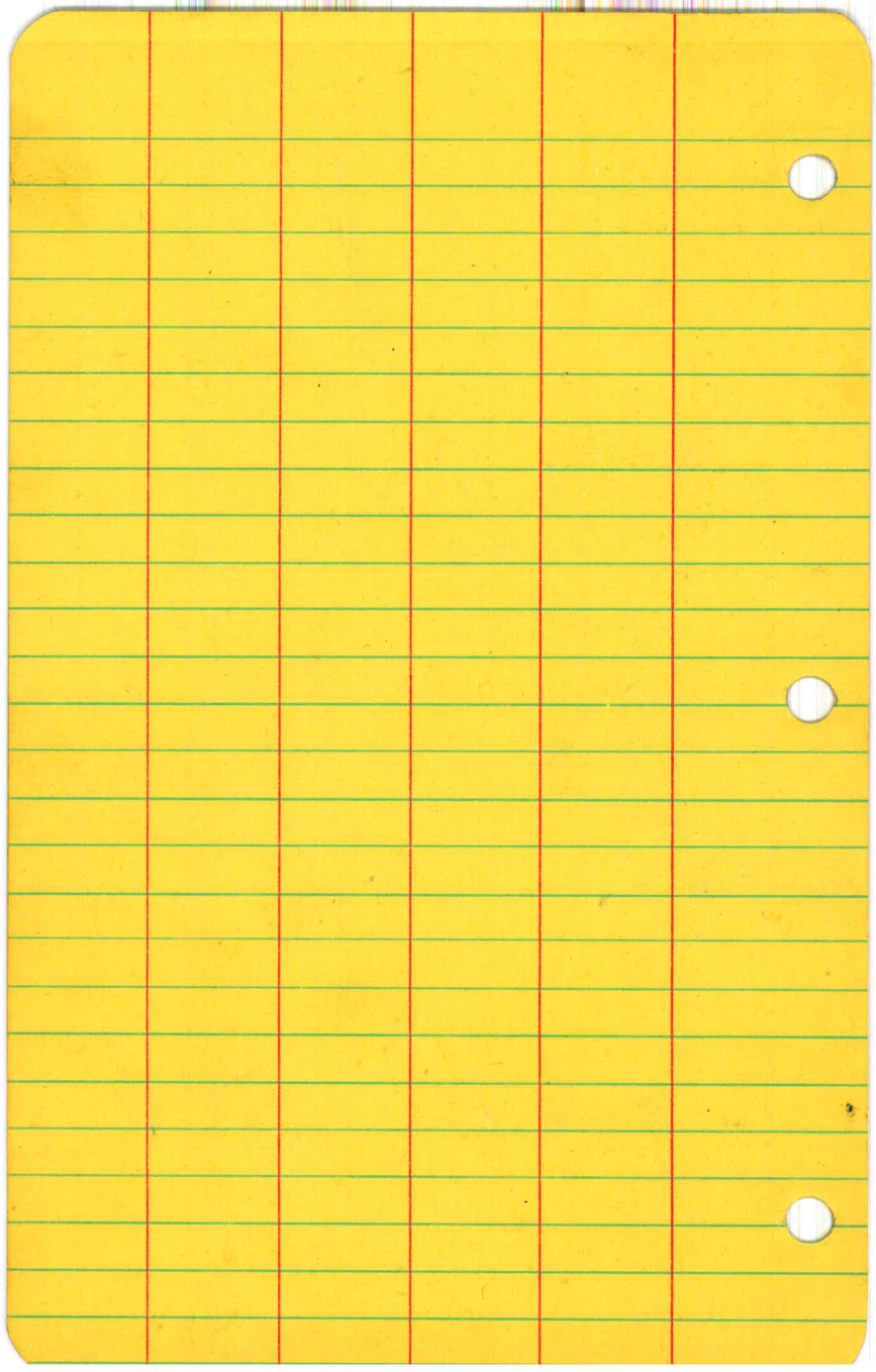
Sec. Pt. #63 43°10'50" Inverted
π = Sec. Pt. #62 4 172°43'20" Angle = R.
B.S. = Sec. Pt. #22 43°10'50" Average = 43°10'49"

63 53°40'25"
π = # 22 4 214 41'05" Angle = L.
B.S. = # 62 53°40'16"

5



calc Fk. 6-29-27



The location of
Sec. Pts. #(69, 70)(71. 72)
(73 and 74.) In. sheets
131A, 135A and 138A.

Party - Leach.
Simpson
Rauner.

July 5, 1927.

Completed
JB

Sec. Pt. #69
Sheet # 131 A

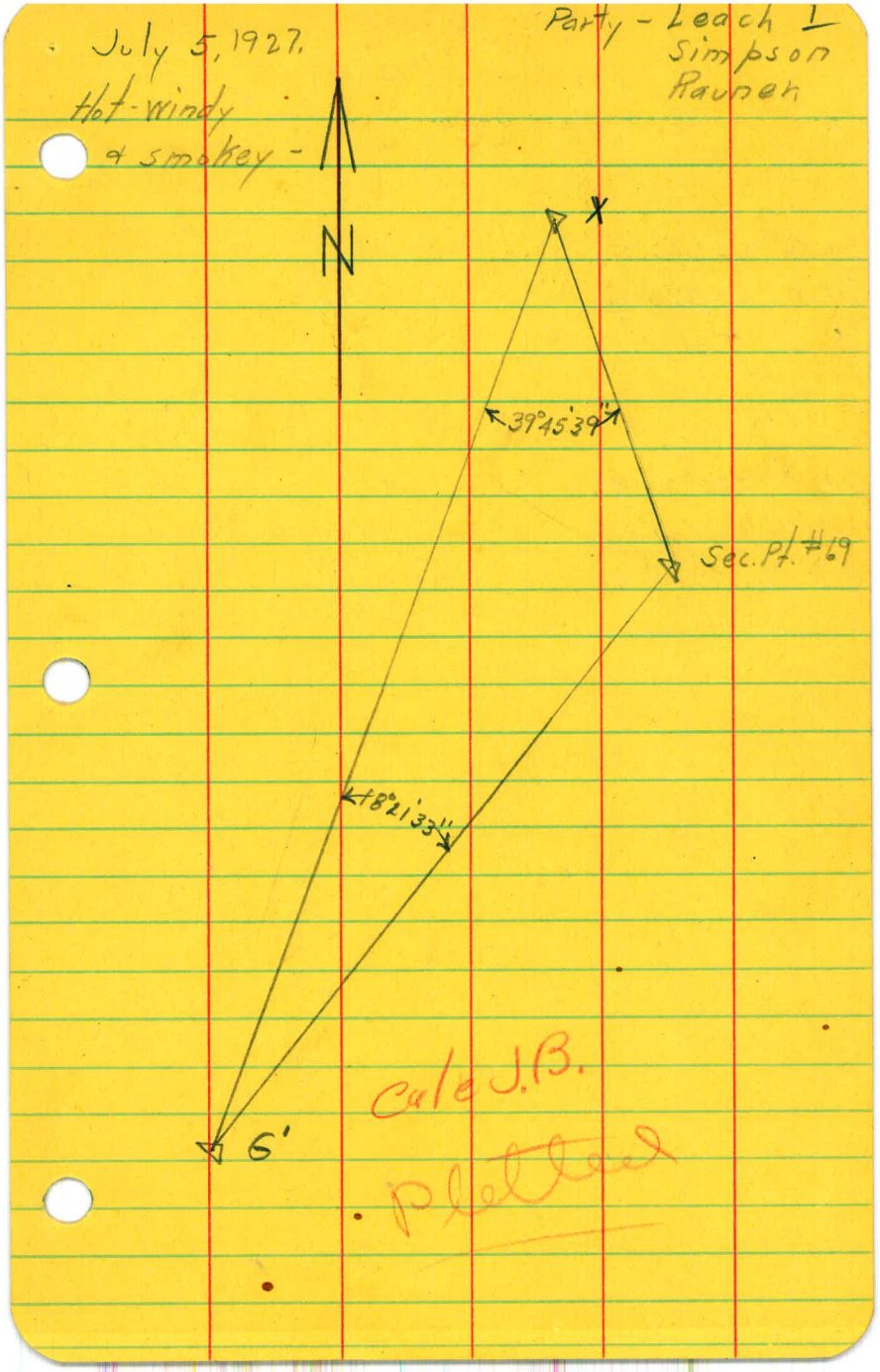
Sec. Pt. #69 39°45'45"
Π = X. 6)238°33'55"
B.S.: 6' 39°45'39"

Sec. Pt. #69 18°21'35"
Π = 6' 6)110°09'15"
B.S.: 18°21'33"

July 5, 1927.

Hot - windy & smokey -

Party - Leach I
Simpson
Rausch



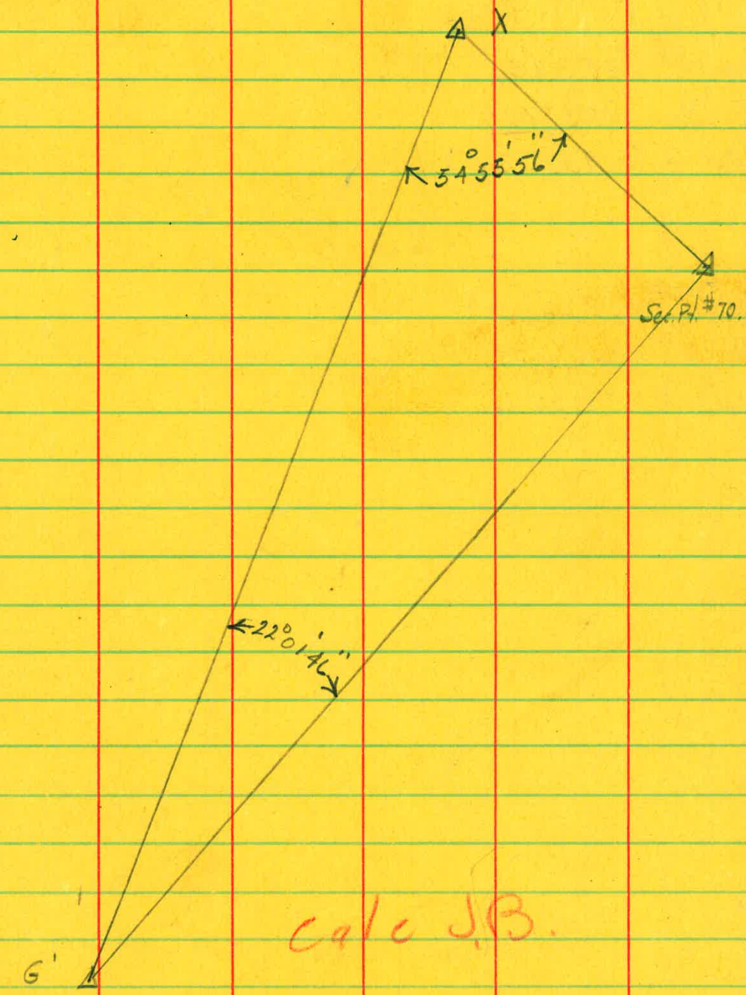
Calc J.B.

Plotted

Sec. Pt. #70
Sheet #131 A

Sec. Pt. #70 54°55'45"
Δ = X 6 329°35'40
B.S. = G' 54°55'56"

Sec. Pt. #70 22°01'40"
Δ = G' 6 132°10'35
B.S. = X 22°01'46"



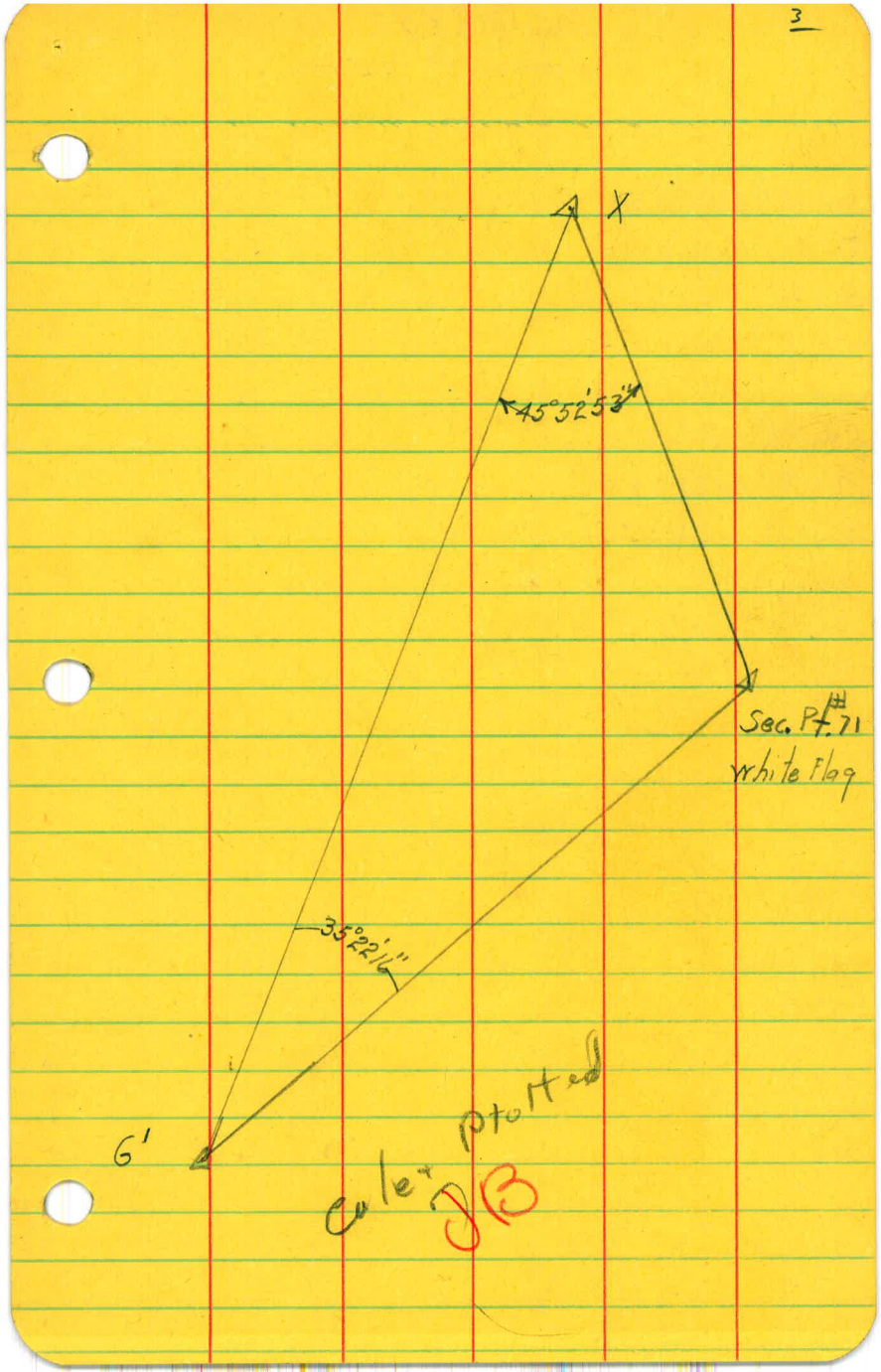
Calc J.B.

plotted

Sec. Pt #71
Sheet # 135A

Sec. Pt. #71 45°52'50"
T = X 6 | 275°17'20"
B.S. = 6' 45°52'53"

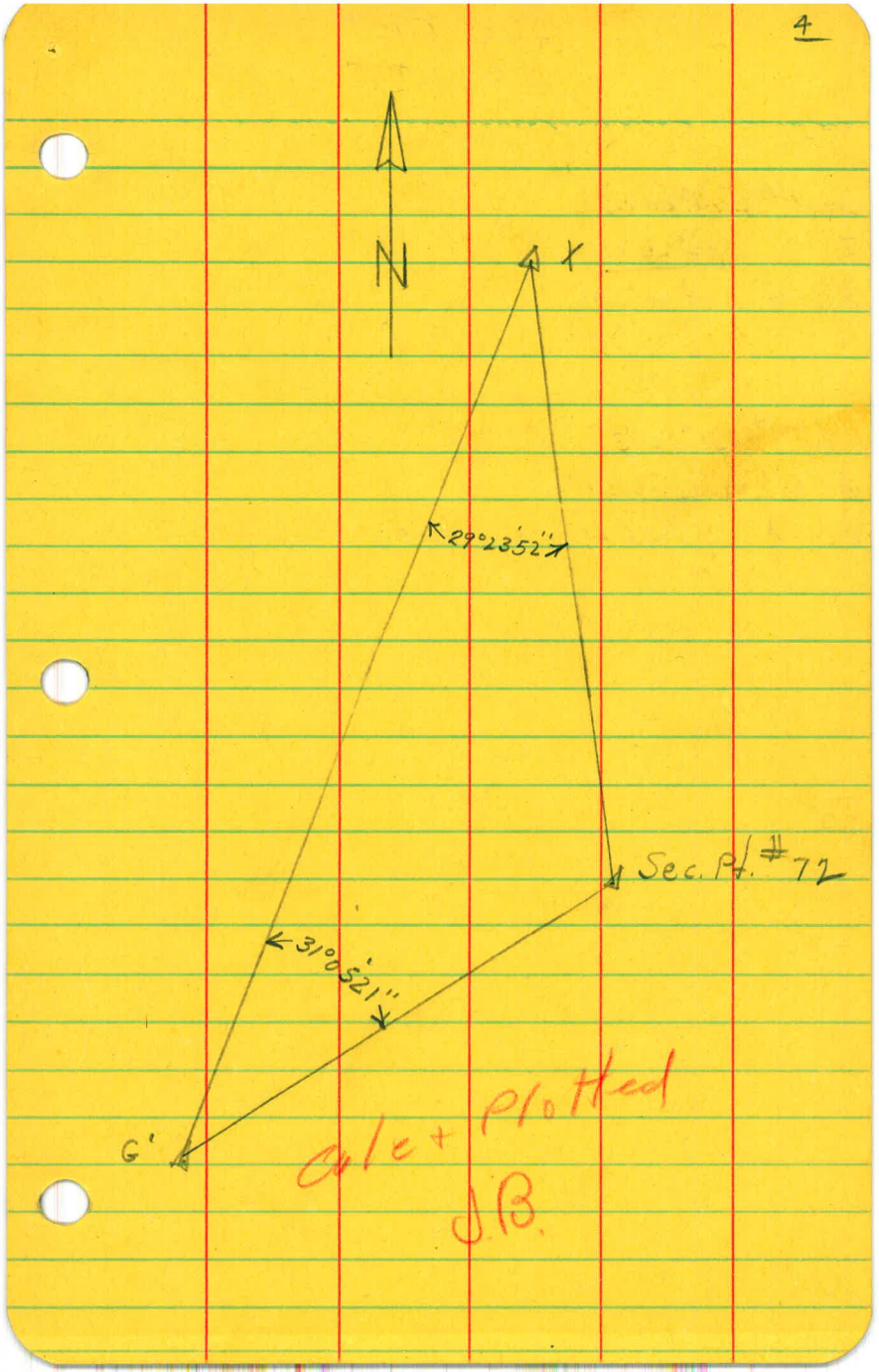
Sec. Pt. #71 35°22'08"
T = 6' 6 | 212°13'35"
B.S. = X 35°22'16"


X
45°52'53"
Sec. Pt. #71
white flag
35°22'14"
G'
outer point
JB

Sec. Pt. #72
Sheet #135A

Sec. Pt. #72 29°23'50"
Π = X @ 176°23'10"
B.S. = G' 29 23'52"

Sec. Pt. #72 31°05'32"
Π = G' @ 186°32'05
B.S. = X 31 05'21

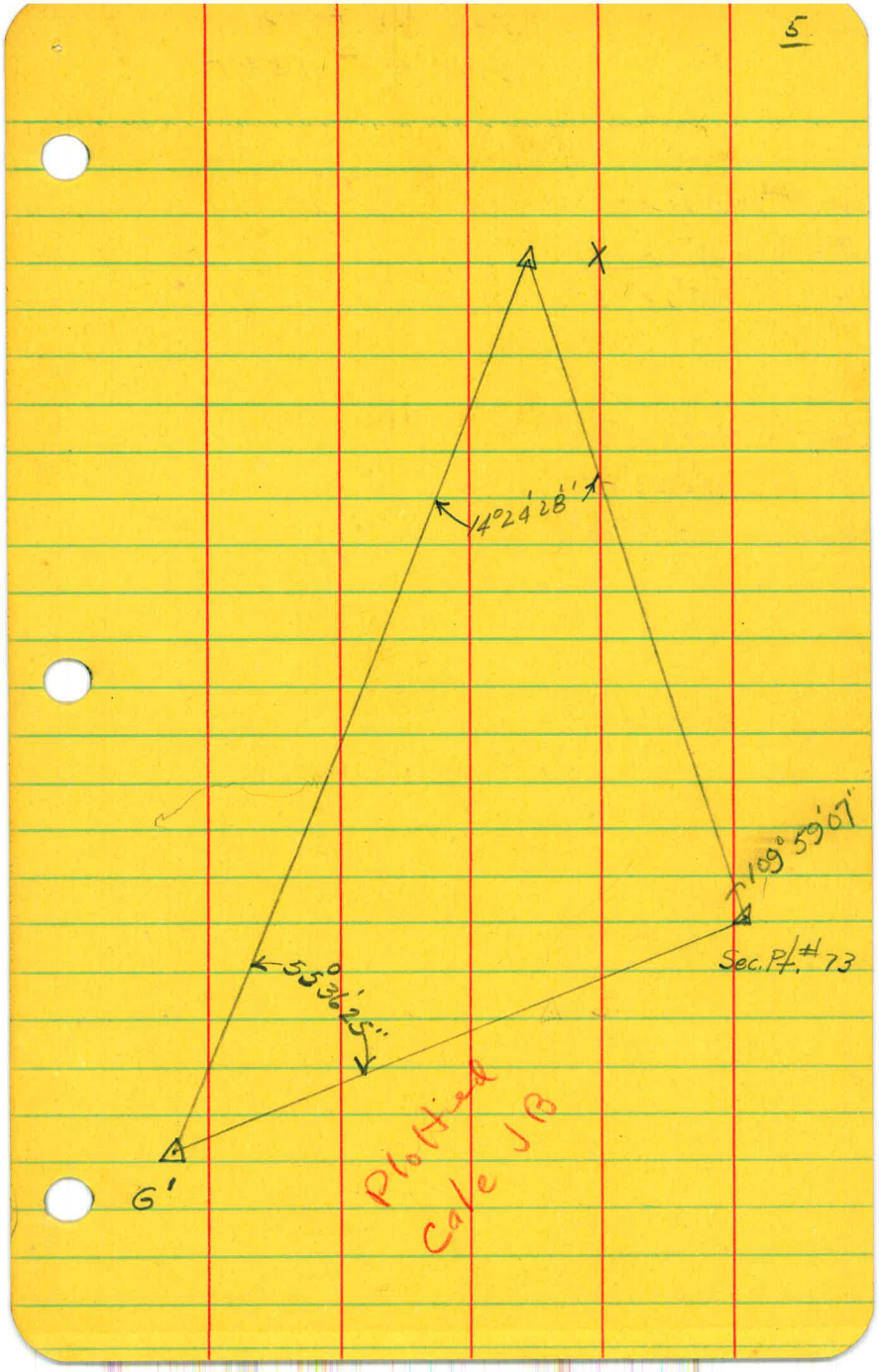


Calc + Plotted
J.B.

Sec Pt. # 73
sheet # 138A

Sec. Pt. #73 14°24'25"
T = X 6) 86°26'46
B.S. = G' 14°24'28"

Sec. Pt. #73 55°36'15"
T = G' 6) 333838'30"
B.S. = X 55°36'25"

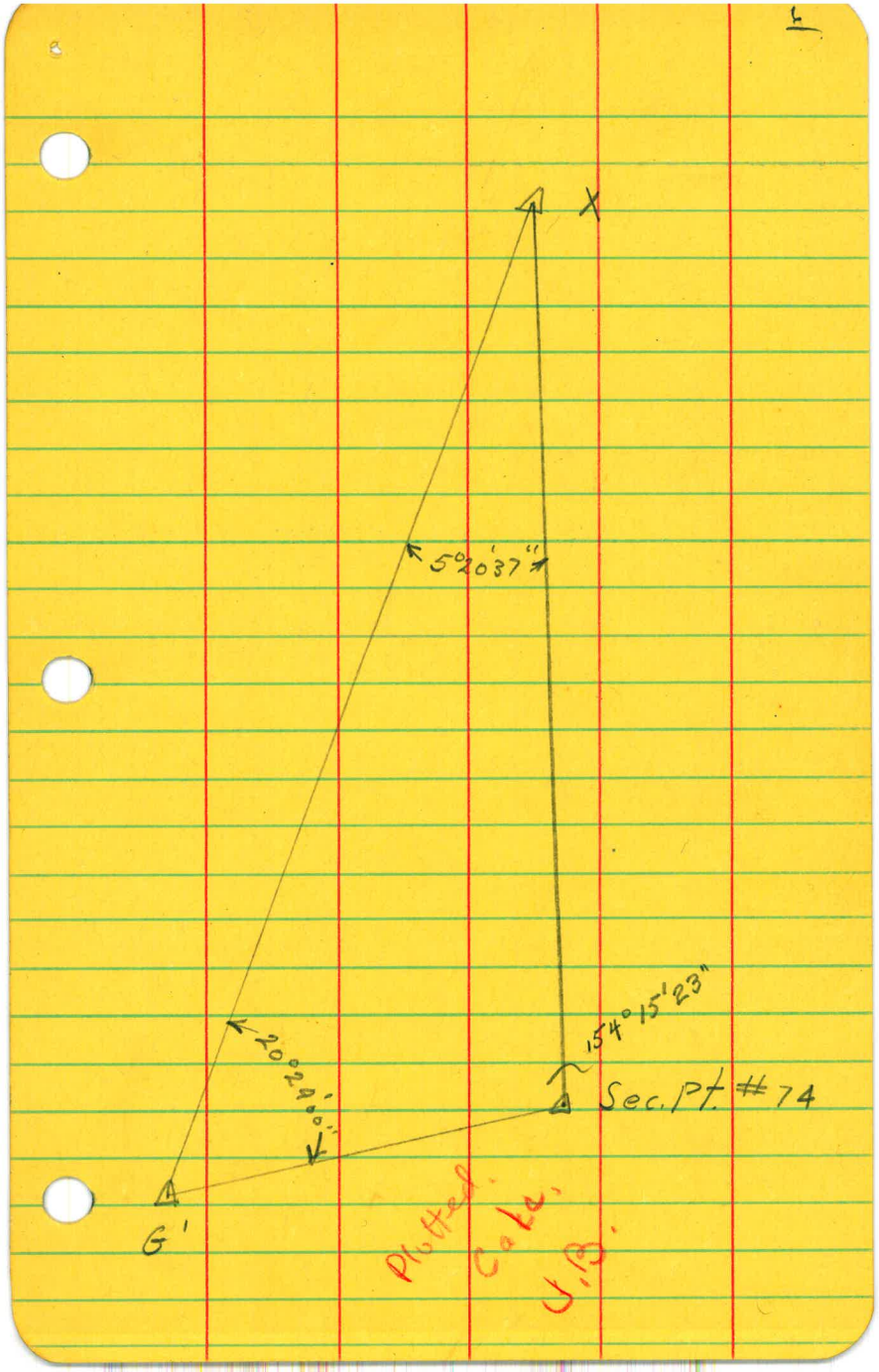


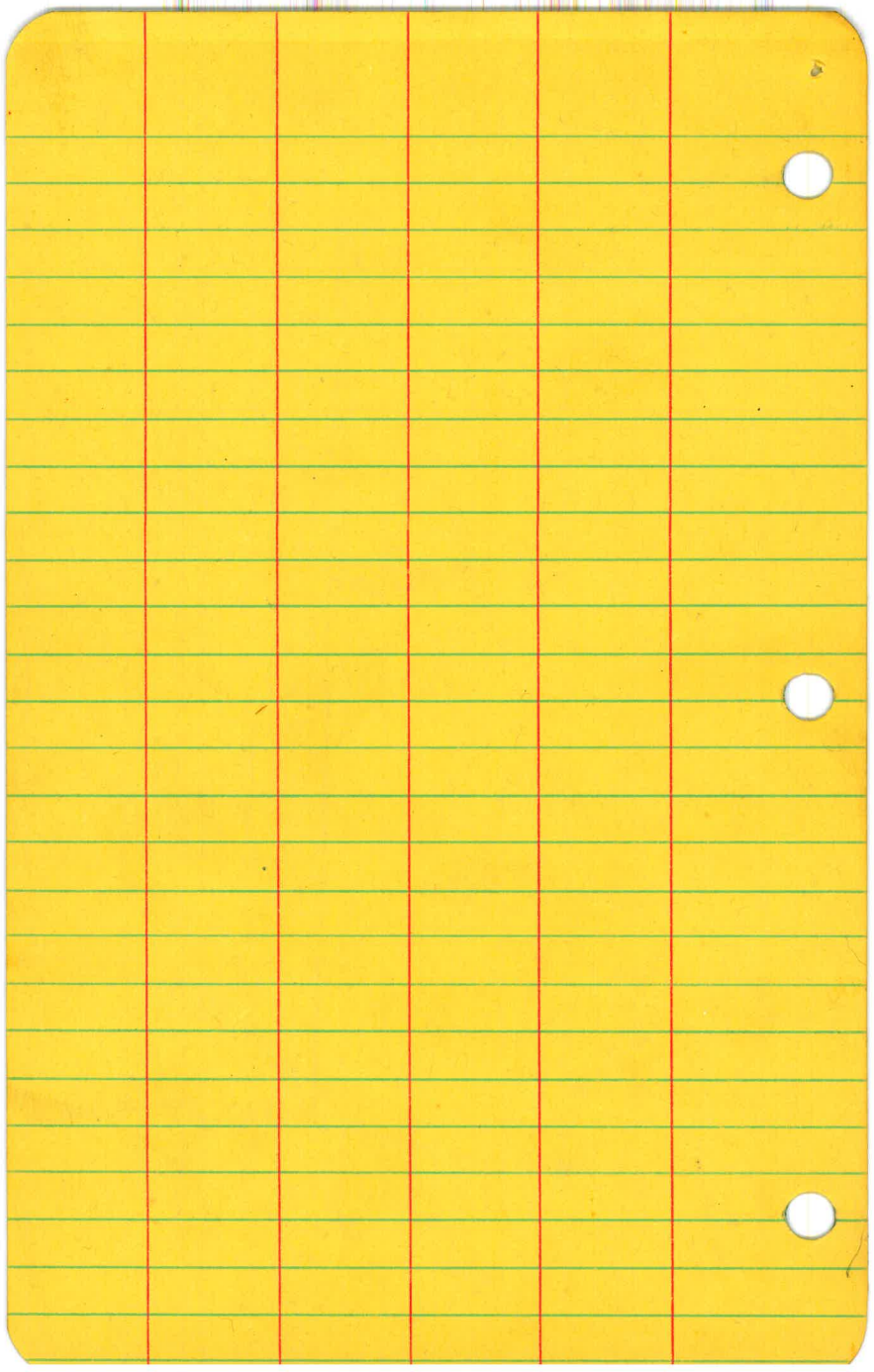
Plotted
Cale JB

Sec. Pt. #74
Sheet #138A

Sec. Pt #74 5°20'40"
T = X 6 32°03'40"
B.S. = G' 5°20'37"

Sec. Pt. #74 20°23'58"
T = G' 122°23'25"
B.S. = X 20°24'00"


X
5°20'37"
154°15'23"
2002.00'
Sec. Pt. #74
G'
Plotted.
Co. La.
U.P.



Sec. Pts. Nos. 75 and 76.

Sheet 121 B.

Party: Gottschling
Leach
Simpson
Brooks.
Bailey

July 9, 1927.

Completed
JB

F.S. = X 103°02'08" Angle = R.

T = Sec. Pt. #70) 618°13'20"

B.S. = 6' 103°02'13"

Sec. Pt. #75 94°21'05" Angle = L.

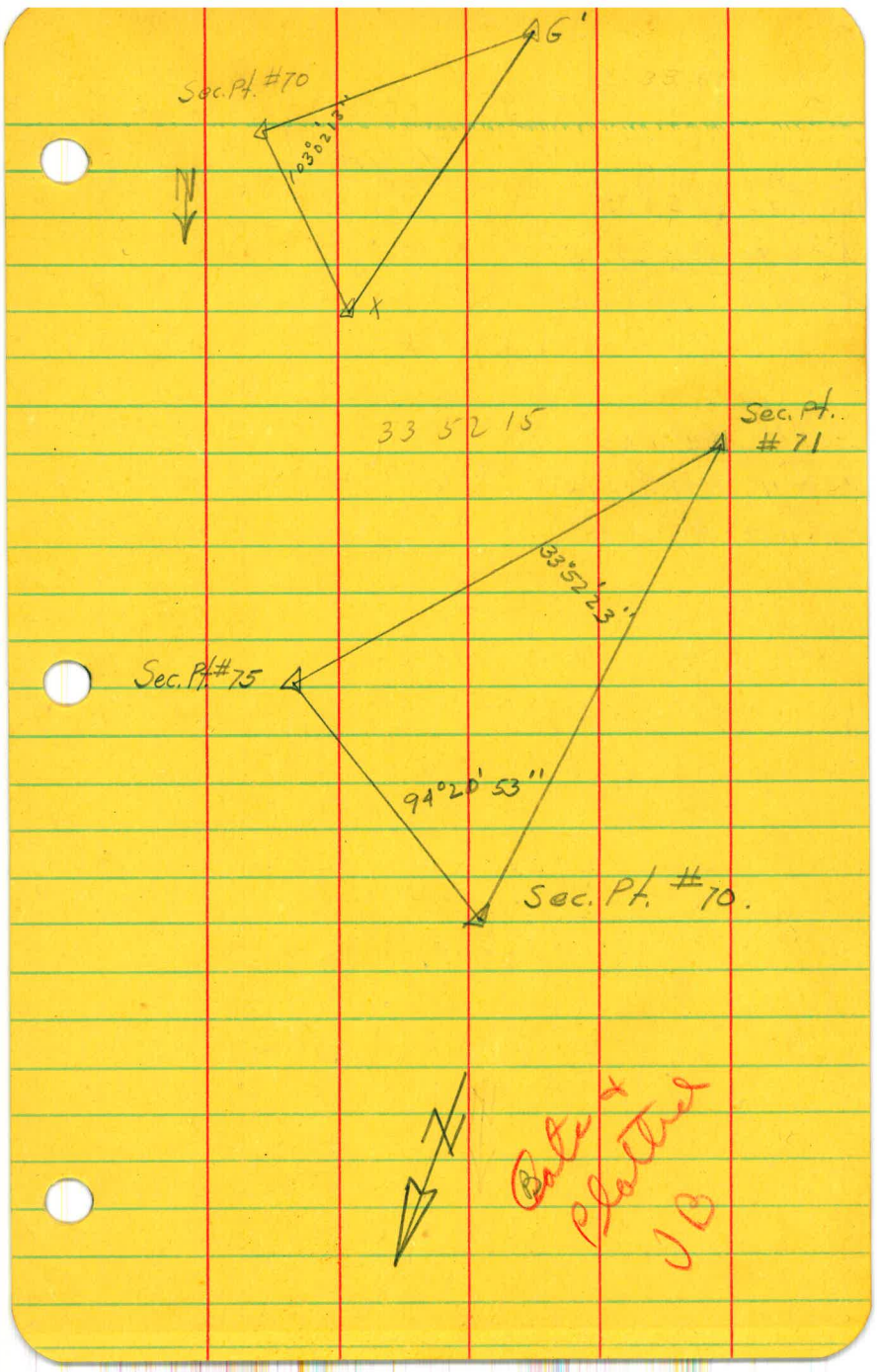
T = Sec. Pt. #70) 566°05'15"

B.S. = Sec. Pt. #71 94°20'53"

Sec. Pt. #75 33°52'15"

T = Sec. Pt. #74) 203°14'20"

B.S. = Sec. Pt. #70 33°52'23"


G'
Sec. Pt. #70
103°02'13"
N
X
33 52 15
Sec. Pt. #71
33°52'23"
Sec. Pt. #75
94°20'53"
Sec. Pt. #70.
N
Date of plotting
JD

Angle = L.

F.S. = Sec. Pt. #76 33°58'50"

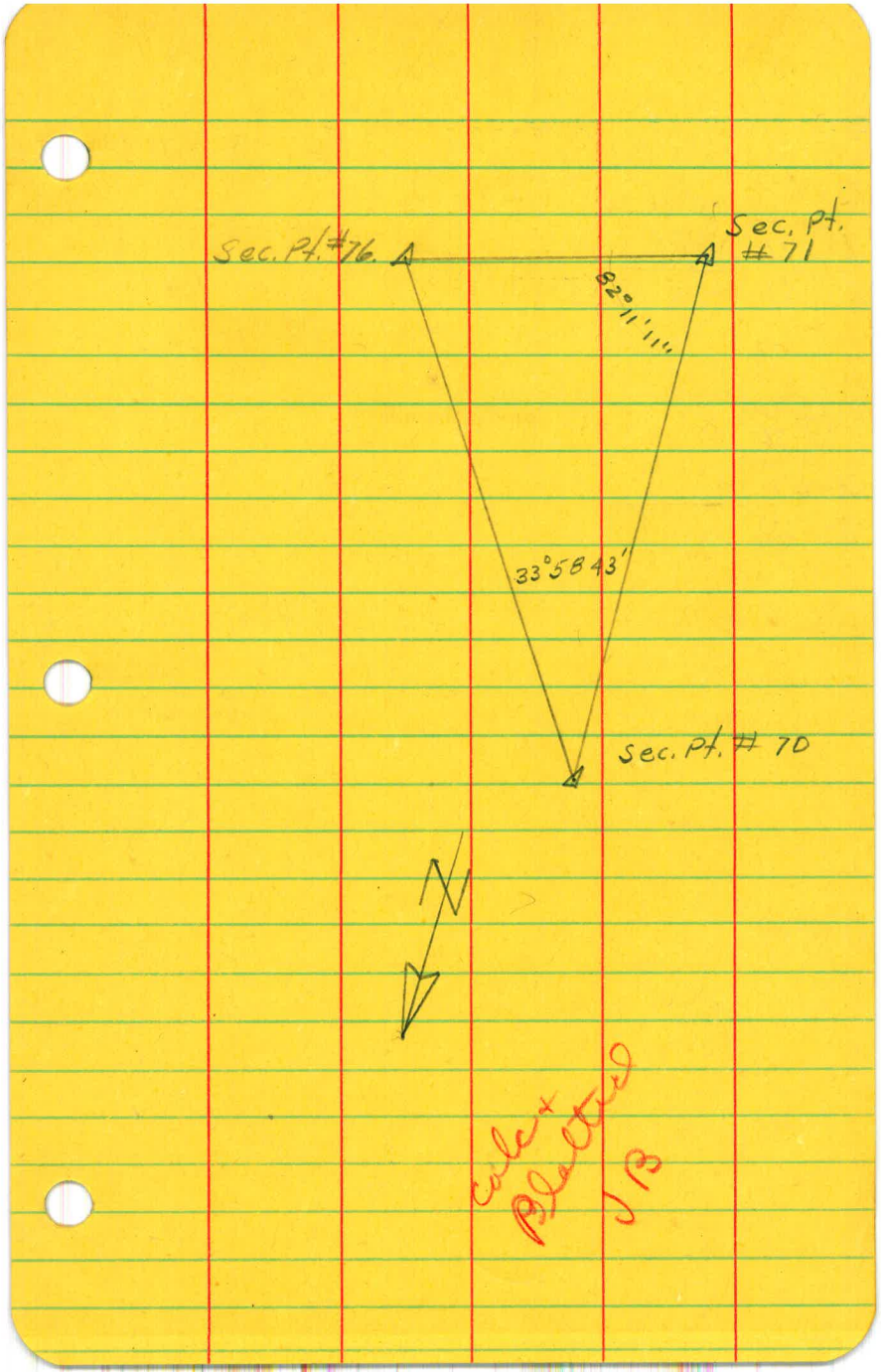
T = Sec. Pt. #70 6)203°52'15"

B.S. = Sec. Pt. #71 33°58'43"

F.S. = Sec. Pt. #76 82°11'22"

T = Sec. Pt. #71 7)575°18'18"

B.S. = Sec. Pt. #70 82°11'11"


Sec. Pt. #76.
Sec. Pt. #71
82°11'11"
33°58'43'
Sec. Pt. # 70
calc + Plotted
JB

F.S. = X Sec. Pt. 98°44' 50"

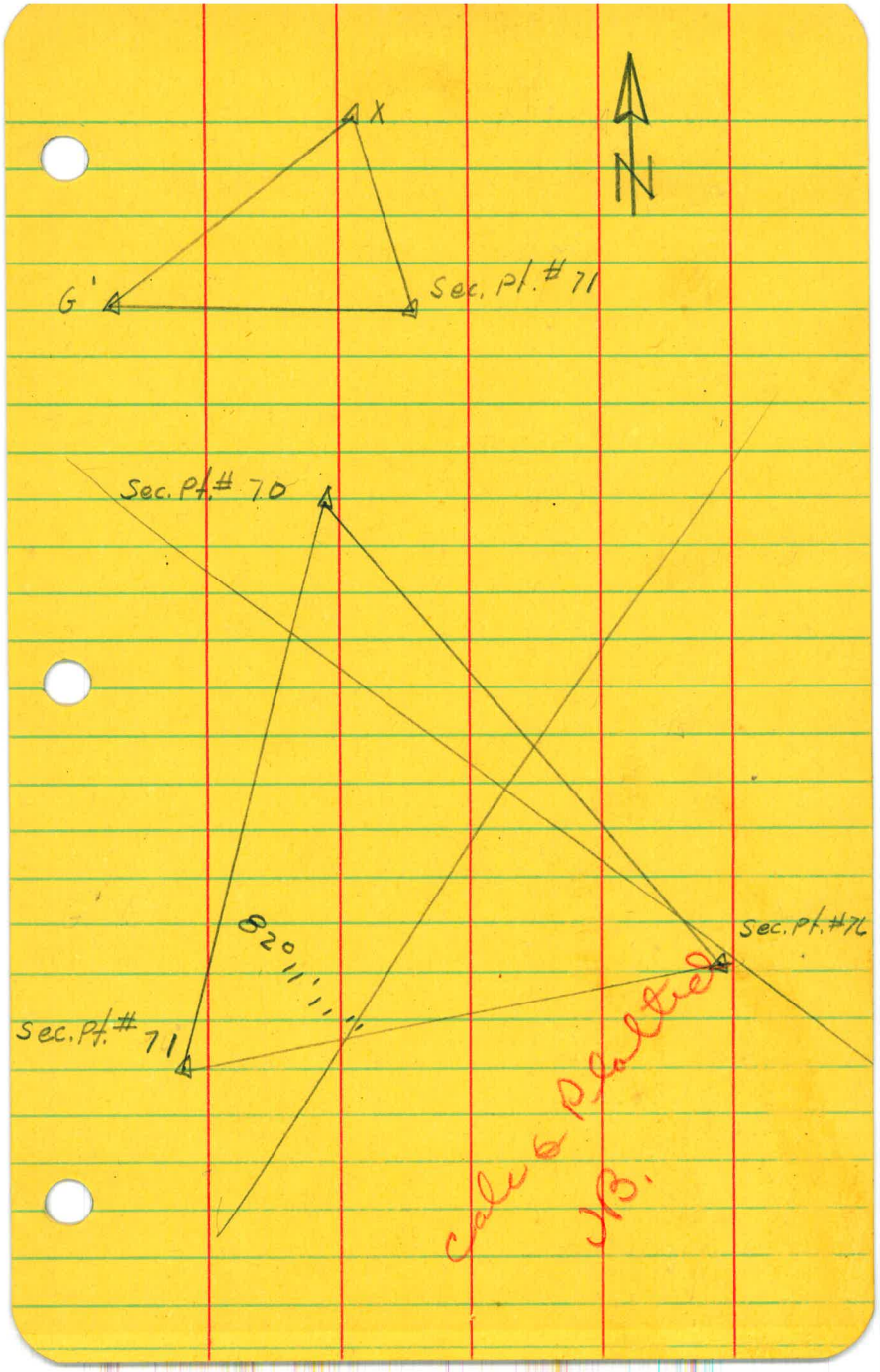
Δ = #71. 6) 592°28'45"

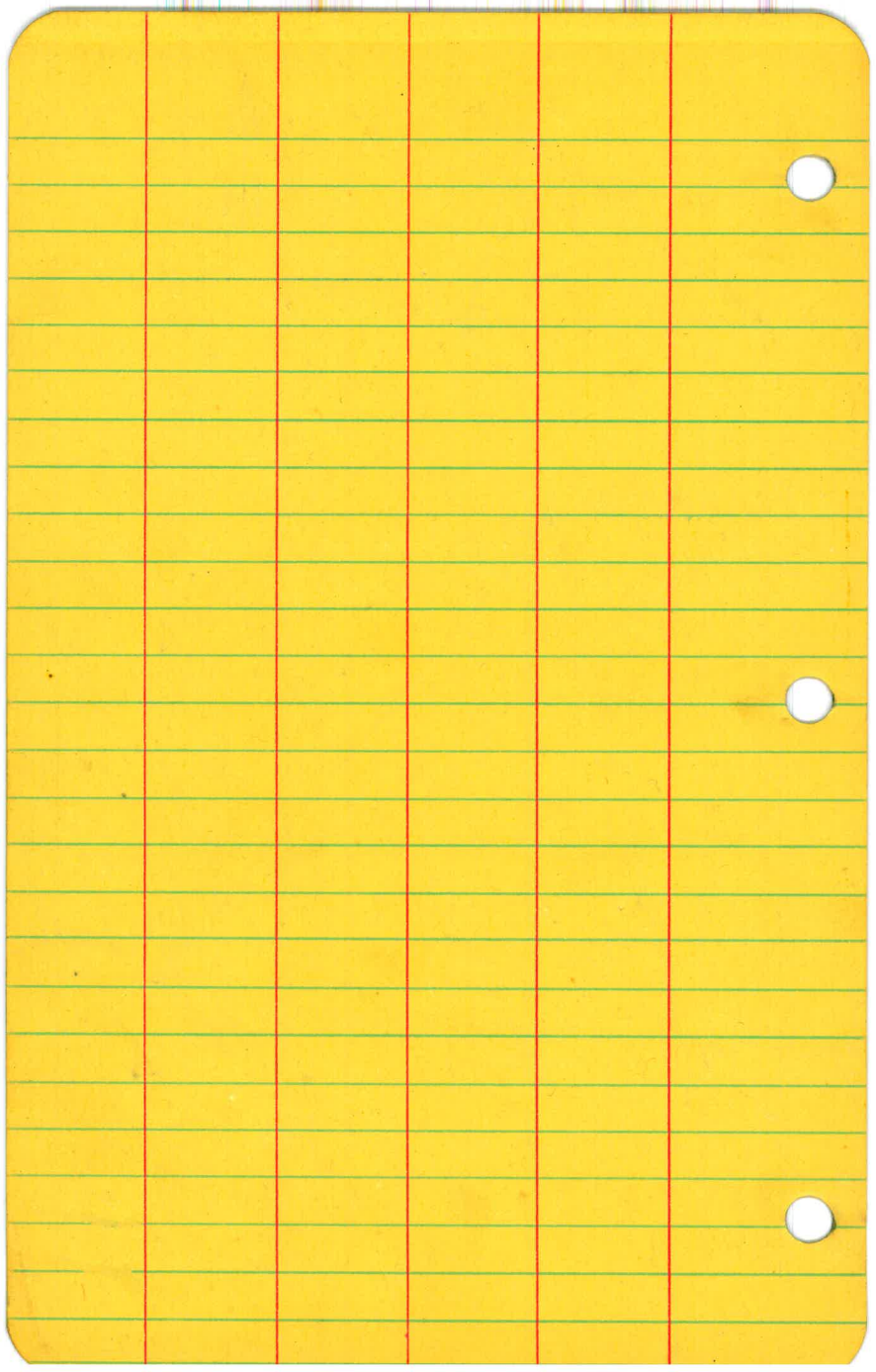
B.S. = 6' 98 49" 52"

F.S. = Sec. Pt. #76

Δ = #71 Sec. Pt. 6

B.S. = Sec. Pt. #70


X
N
G'
Sec. Pl. # 71
Sec. Pl. # 70
Sec. Pl. #72
Sec. Pl. # 71
calc & plotted
JB.



The location of

Sec. Pts. Nos. 77-(78-79)-(80-81)

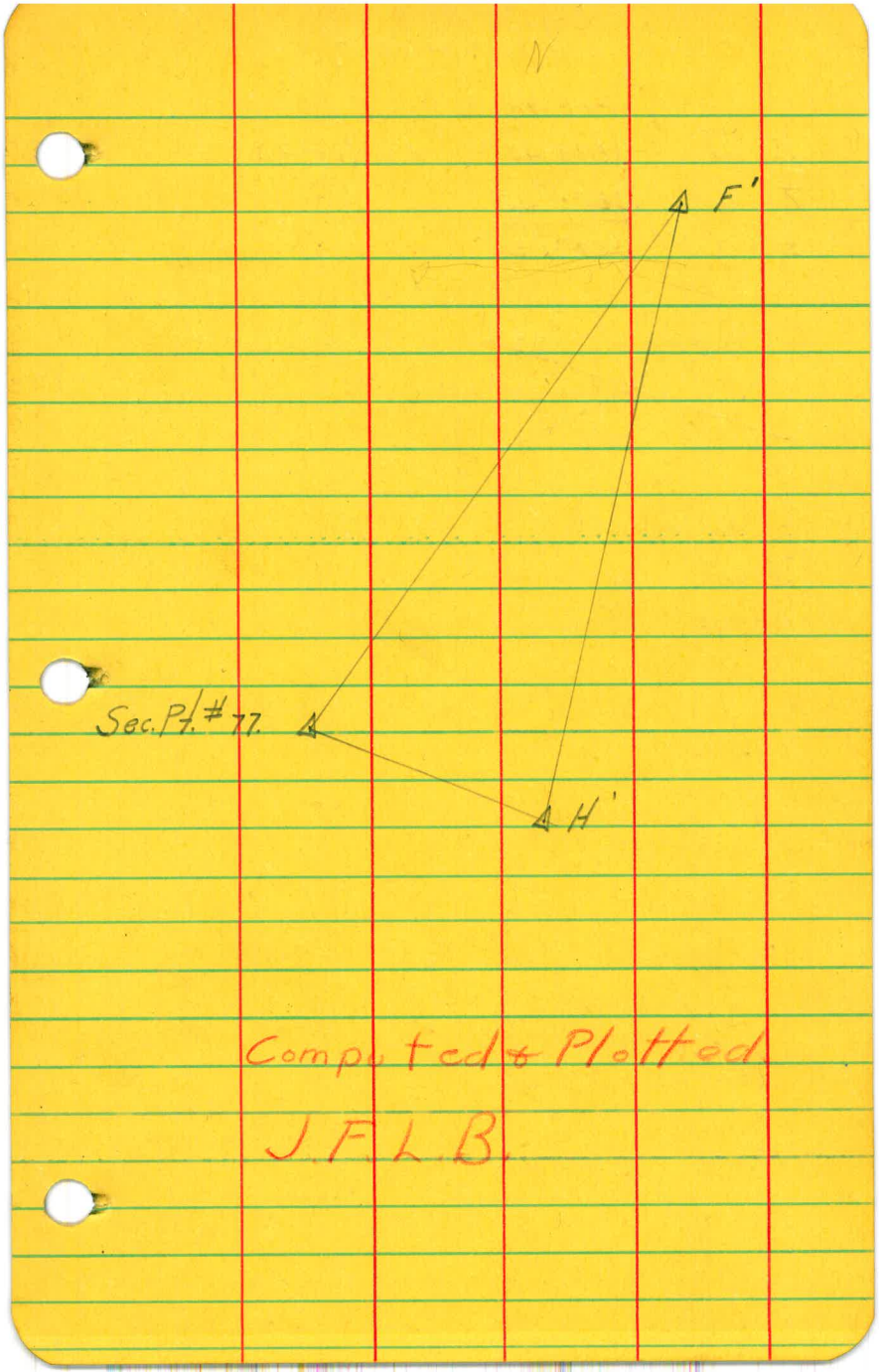
(82 83) -

In Sheets Nos.

Sheet 142

	Sec. Pt. #	Hor. Angle	
F.S. =	77	44°07'40"	T = Direct
T =	H'	6 264°47'15"	Angle = L
B.S. =	F'	44°07'52"	

	Sec. Pt.	
F.S. =	#77.	6°46'30"
T =	F'	6 40°38'05"
B.S. =	H'.	6°46'21"



Computed & Plotted

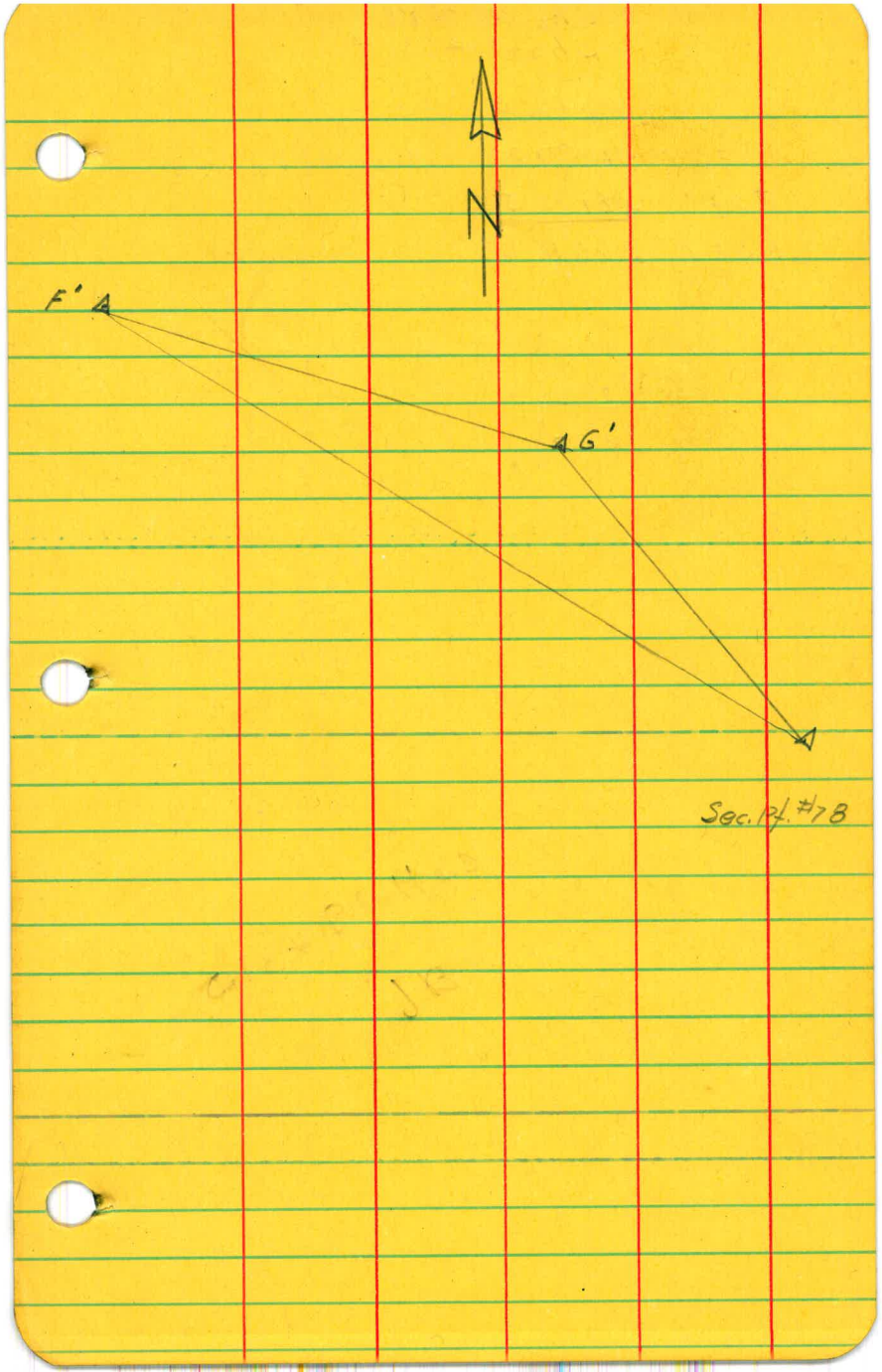
J. F. L. B.

Sec. Pt #78
Sheet #141 A

	Hor. Angle	
F.S. = Sec. Pt. #78	153°31'45"	Angle = L
T = G'	6 21°09'35"	
B.S. = F'	153°31'36"	

~~F.S. = Sec. Pt. #78 6°31'00"~~ Angle = K
~~T = F' N 89°04'20" W.G.~~
~~B.S. = G' 06°30'42"~~

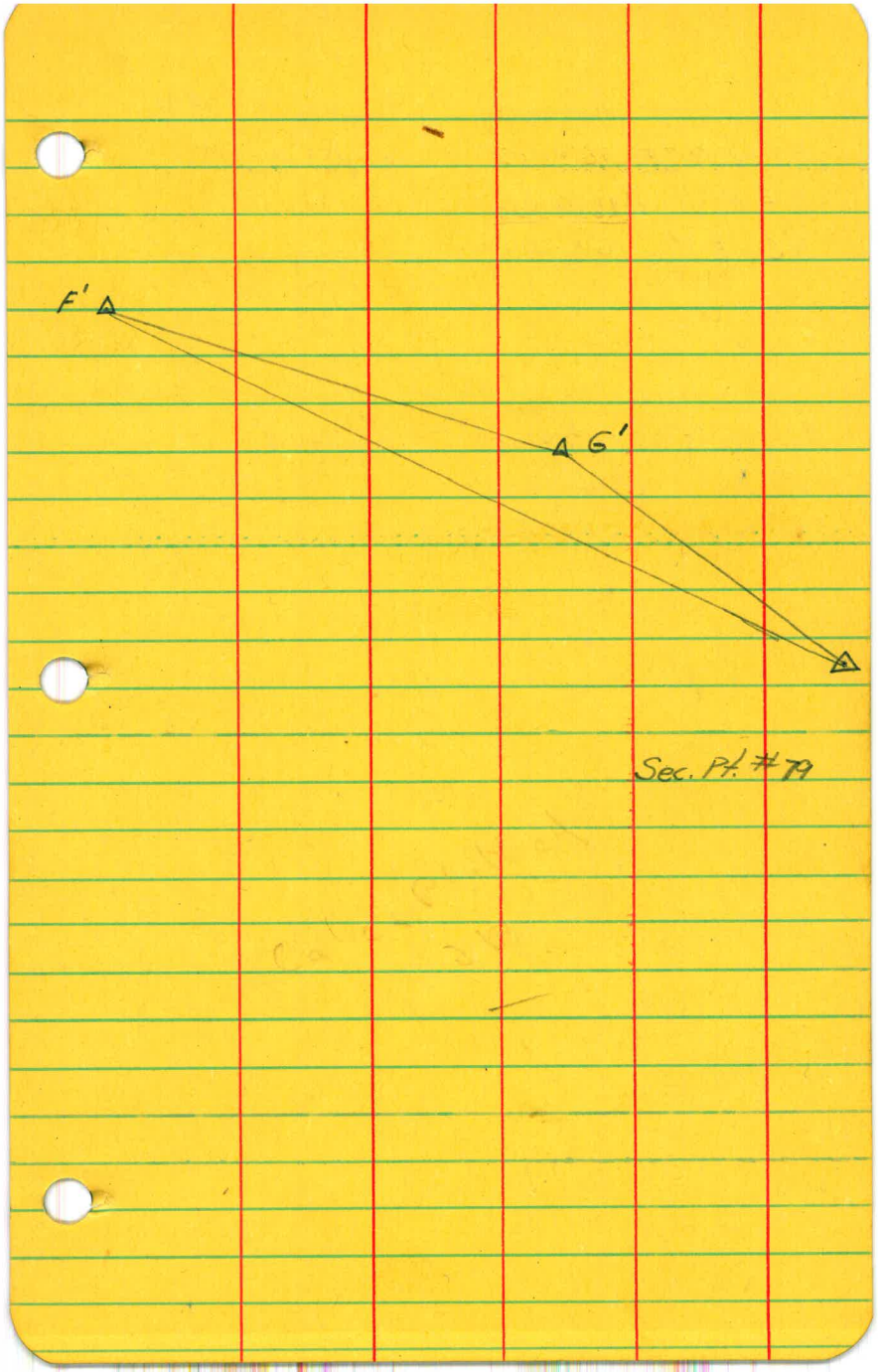
F.S. = Sec. Pt. #78	7°53'05"	
T = F'	6 47°17'45"	
B.S. = G'	7°52'58"	


N
F'
G'
Sec. Pt. #78

Sec. Pt. #79.
Sheet #141A

	Sec. Pt.	Hor. Angle.	
F.S. =	#79	164°51'20"	Angle = L
T =	6'	6) 989°06'55"	
B.S. =	F'	164°51'09"	

	Sec. Pt.		
F.S. =	#79	4°55'32"	Angle = R
T =	F'	6) 29°32'30"	
B.S. =	G'	4°55'25"	


F'
G'
Sec. Pt. #79

Hor. Angle. Sheet # 1383

F.S. = Sec. Pt #80 38°52'48" Angle = R

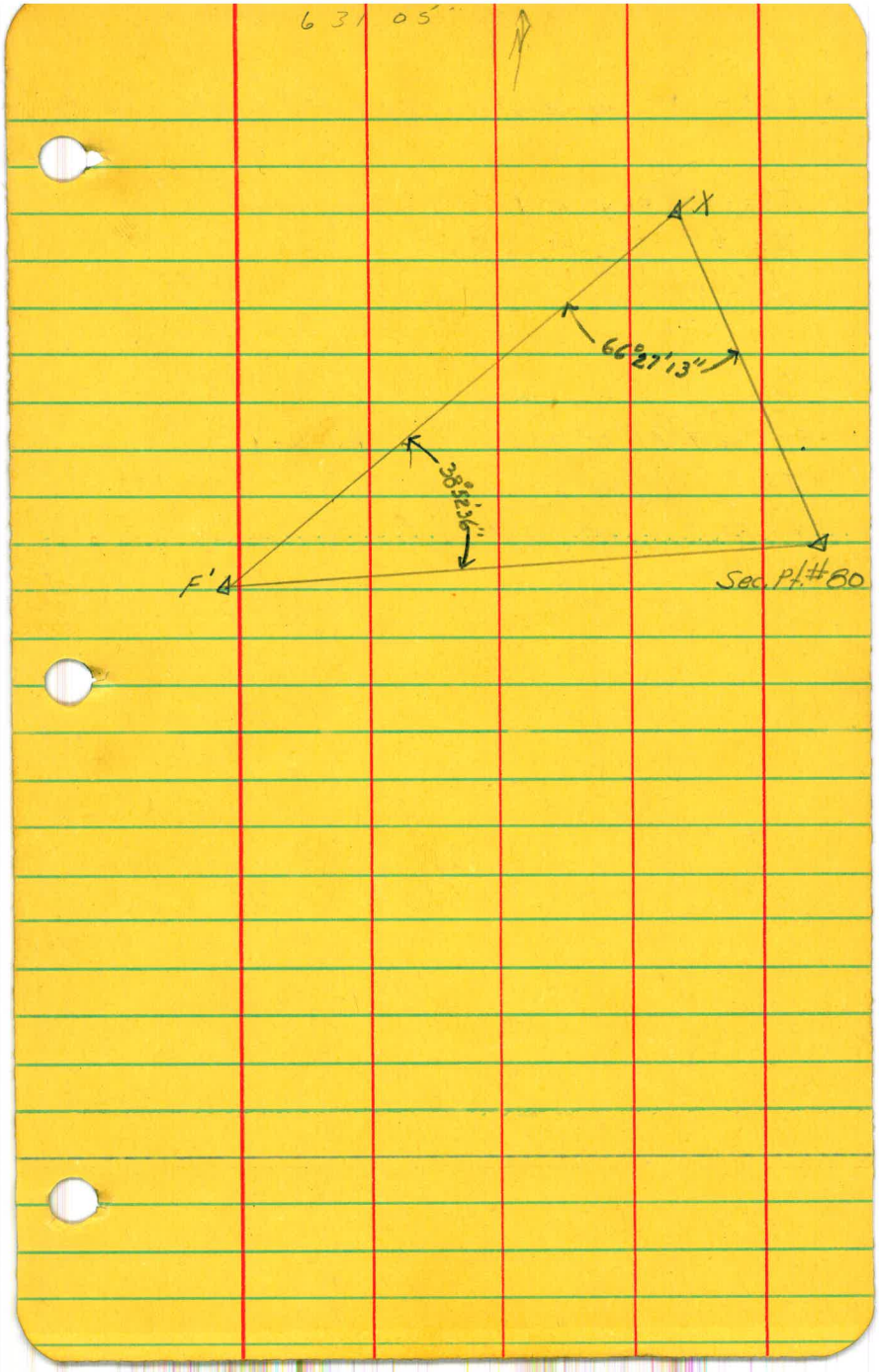
T = F' 6 233°15'35"

B.S. = X 38°52'36"

F.S. = Sec. Pt #80 66°27'12" Angle = L

T = X 6 398°43'20"

B.S. = F' 66°27'13"


631 05'
X
66°27'13"
38°32'36"
F'
Sec. Pt. #80

Hor. Angle. Sheet # 138 B

F.S. = Sec. Pt # 81 40°52'10" Angle = R

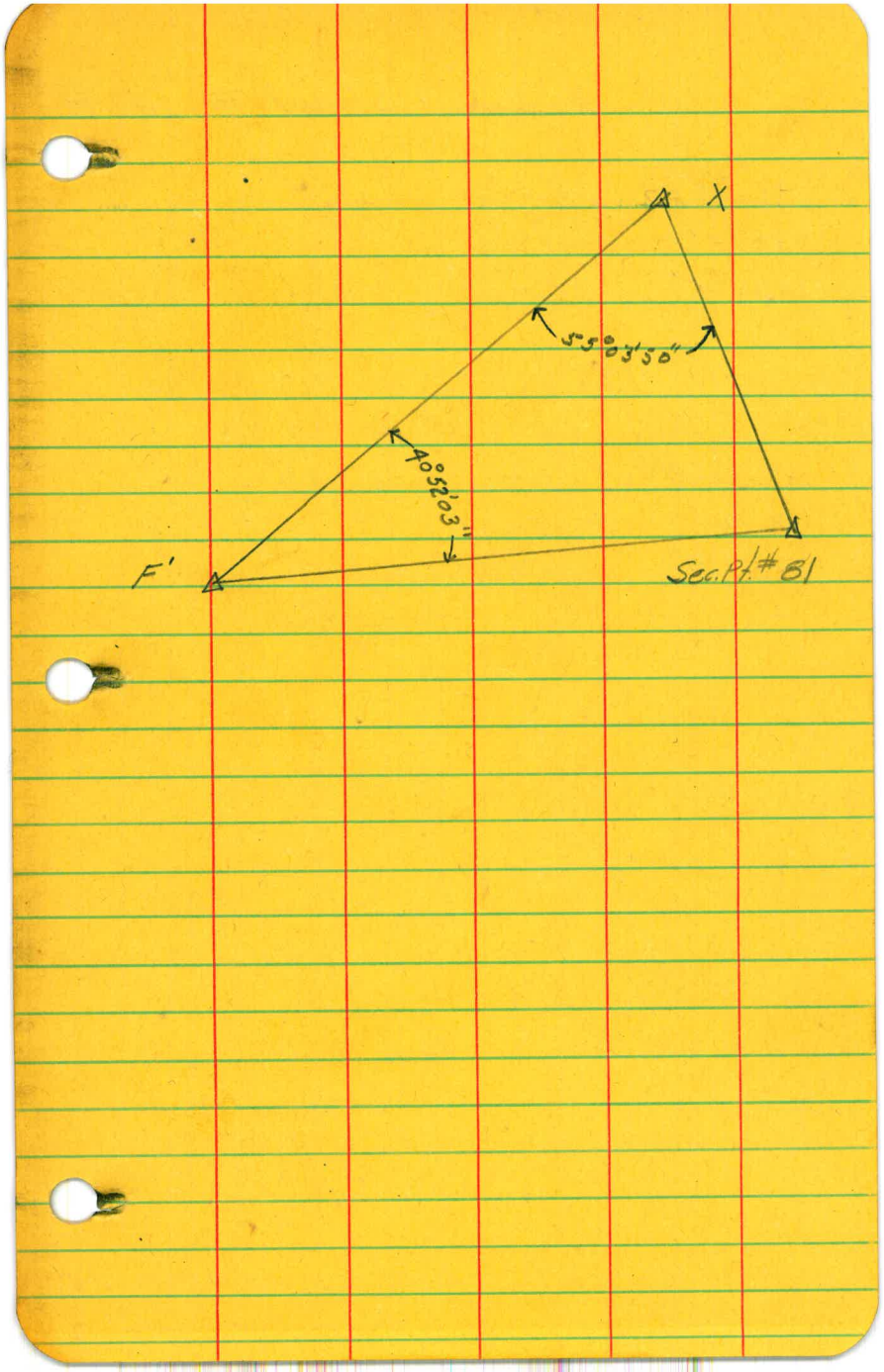
T = F' 6 | 245°12'20"

B.S. = X 40°52'03"

F.S. = Sec. Pt. # 81 55°03'50" Angle = L

T = X 6 | 330°23'00"

B.S. = F' 55°03'50"


X
55°03'30"
40°52'03"
F'
Sec. Pt. #81

Hor. Angle. Sheet # 142 A

F.S. = Sec. Pt #82 58°15'35" Angle = L

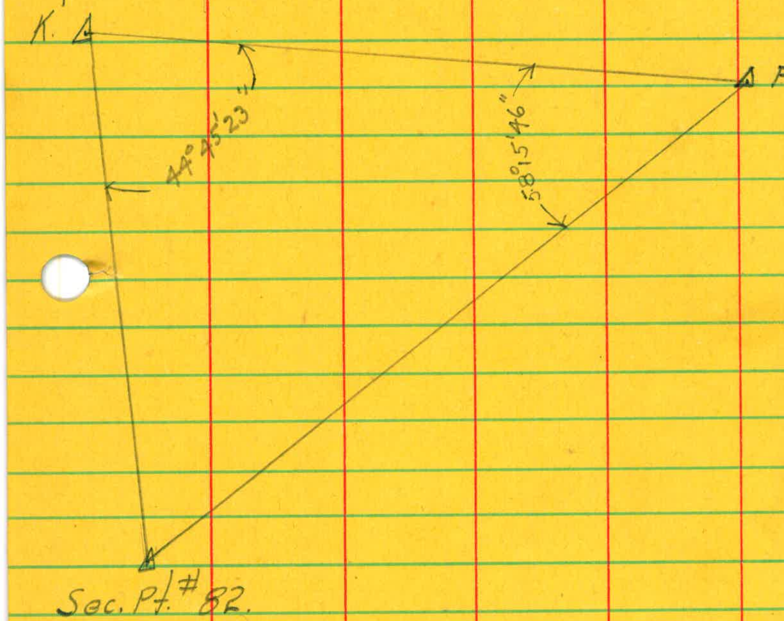
T = F' 6/349°31'40"

B.S. = K' 58°15'46"

F.S. = Sec. Pt #82 44°45'25" Angle = R

T = K' 6/268°32'15"

B.S. = F' 44°45'23"



calc J.B.

Hor. Angle Sheet #142A

F.S. = Sec. Pt. #83 46°26'20" Angle = L

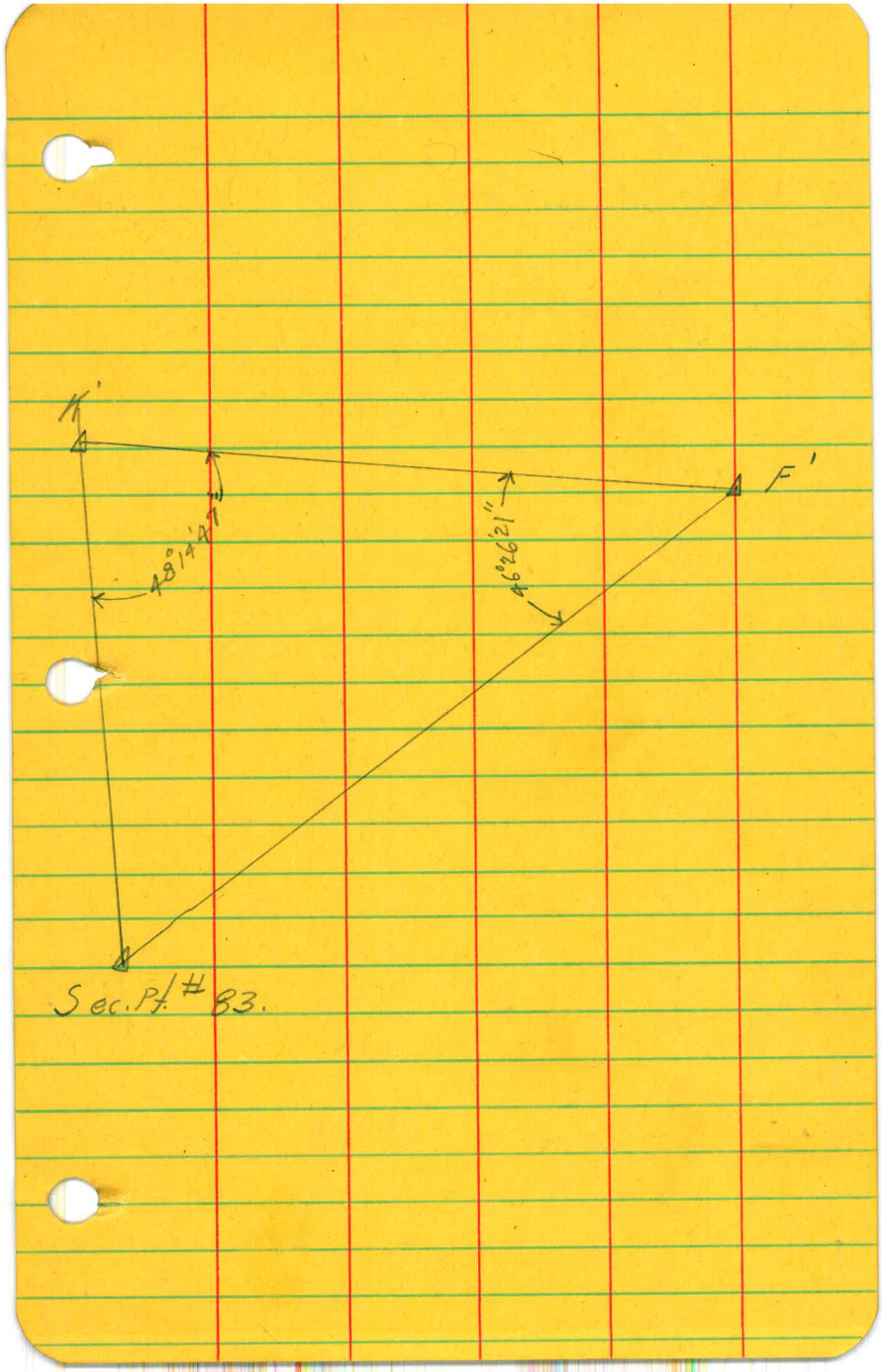
π = F' 6 | 278°38'05"

B.S. = K' 46°26'21"

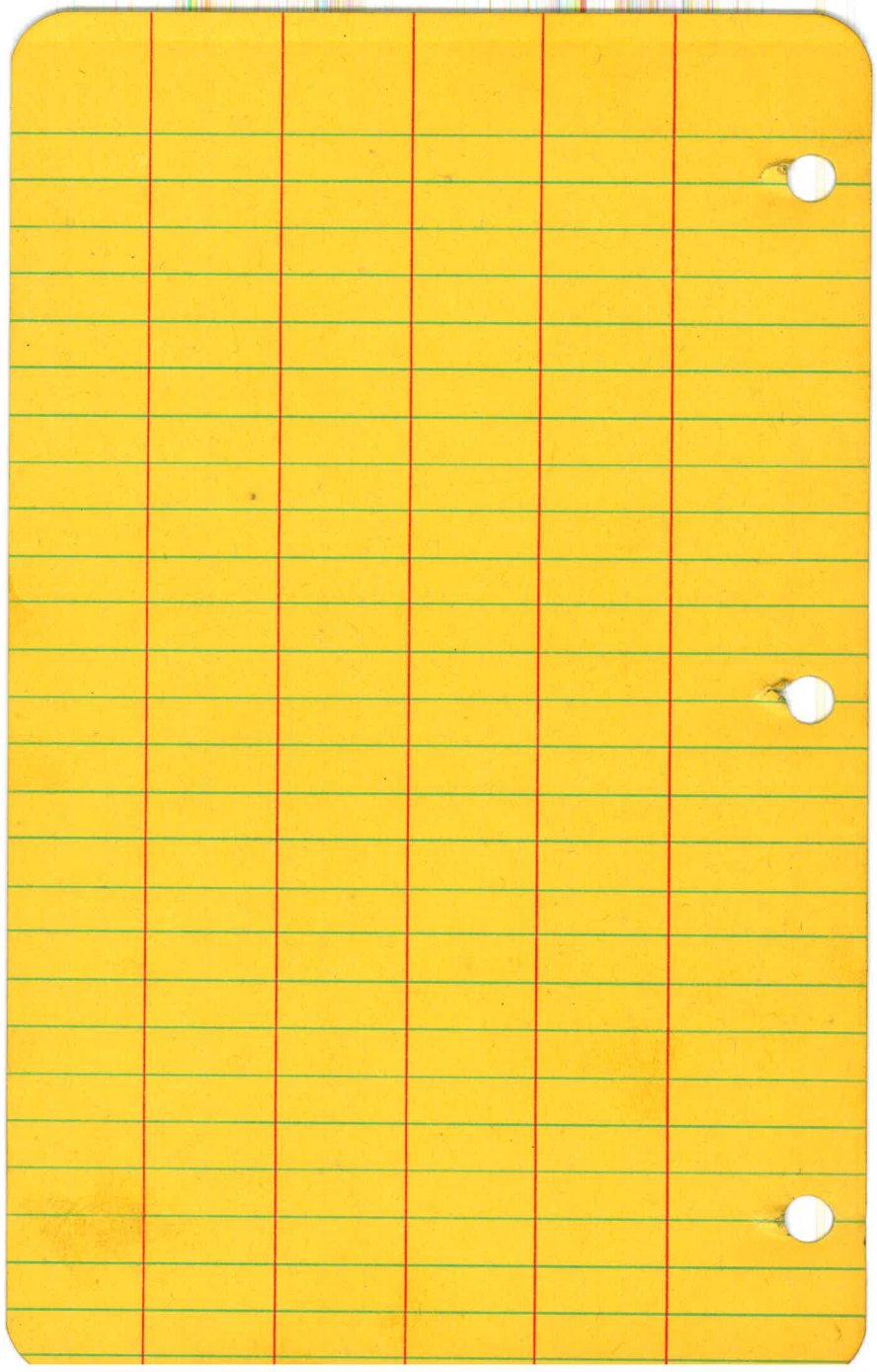
F.S. = Sec. Pt. #82 48°14'32" Angle = R

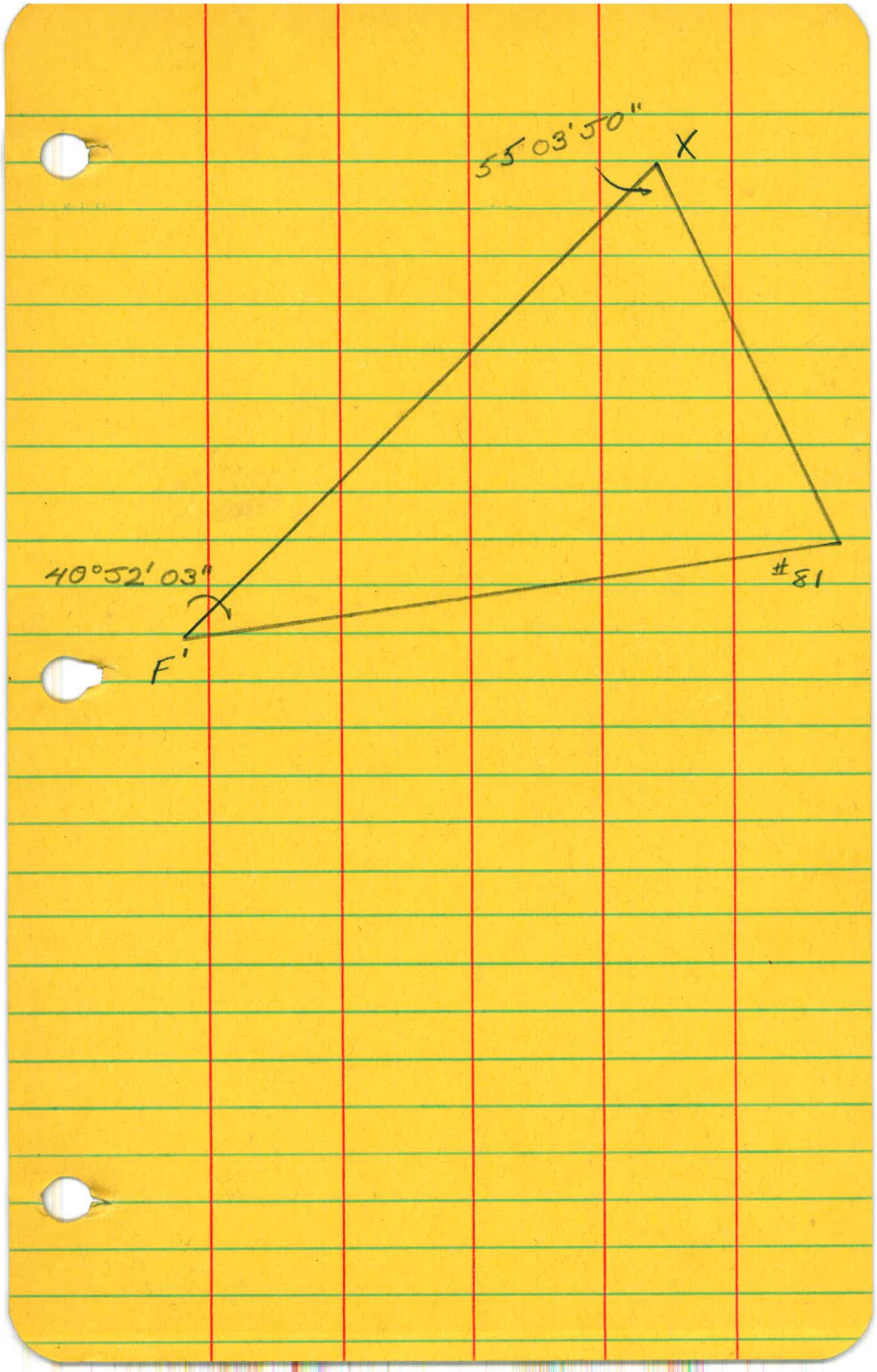
π = K' · 6 | 289°28'40"

B.S. = F' 48°14'47"



Sec. Pt. # 83.




55°03'50"
X
40°52'03"
F'
#81