

MICROFILMED

JUN 11 1965

11  
W255

Note 2-29, 28.

These Notes are Void

San Vicente Conduit

5  
unless Alignment is changed

again.

See Vol. # N-1 + Loose Leaf

Vol. # N-2 + N-3 for Final Levels.

Sta	Sta.	+	Elev.
			1850.528
642+	203+50		9.3 1841.3 ✓
643+	T.F.		0.486 1850.092 ✓
644+		9.618	1859.710 ✓
645+	+70		32.4 1818.2 1627.3 ✓
	T.F. 204+00		15.4 1835.2 1844.3 ✓
	+50		2.6 1848.0 1857.1 ✓
646+	T.F.		0.457 1859.253 ✓
647+		9.353	1868.606 ✓
648+	205+00		1.3 1867.3 ✓
649+	T.F.		0.258 1868.348 ✓
		10.978	1879.326 ✓
	+50		5.7 1873.6 ✓
	T.F.		0.467 1878.859 ✓
		10.192	1889.001 ✓

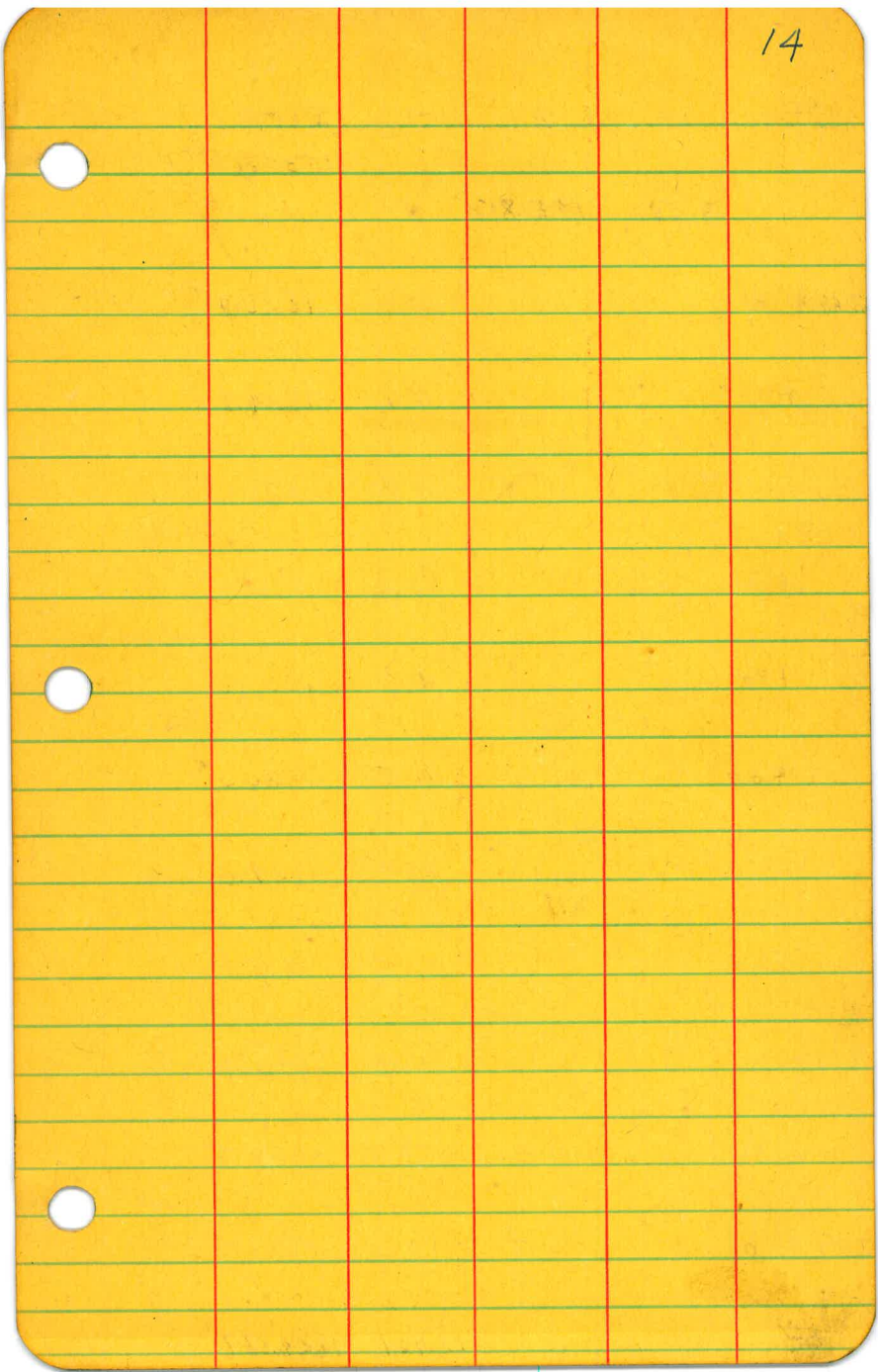
See Pg 14  
 W  
 1850.528  
 1850.092  
 1859.710  
 1848.0  
 1859.253  
 1868.606  
 1867.3  
 1868.348  
 1879.326  
 1873.6  
 1878.859  
 1889.001

See Line Change Notes

Sta.	+	+	-	Elev.
		1889.001		
206+00			8.0	1881.0 ✓
+50			4.7	1884.3 ✓
207+00			1.8	1887.2 ✓
T.P.			0.743	1888.250 ✓
	9.297	1897.555 ✓		
T.P.			0.535	1897.020 ✓
	9.860	1906.880 ✓		
T.P.			1.710	1905.170 ✓ = Check on B.M. # 22
Starting New from B.M. # 22 - Elev. = 1905.093				
	0.740	1905.833 ✓		
T.P.			12.047	1893.786 ✓
	1.180	1894.966 ✓		
207+50			8.8	1886.2 ✓
T.P.			12.780	1882.186 ✓

≡ Check on S.D.B.M.  
# 22 - Elev. = 1905.093

Sta.	+	T	-	Elev.
				1882.186 ✓
	0.723	1882.909 ✓		
208+00			10.3	1872.6 ✓
TR			12.397	1870.512 ✓
	0.032	1870.544 ✓		
TR			12.583	1857.961 ✓
	0.248	1858.209 ✓		
+50			0.7	1857.5 ✓
+64	60 P.I.		4.9	1853.3 ✓
TR			12.391	1845.818 ✓
	3.758	1849.576 ✓		
209+00			15.3	1834.3 ✓
+15			18.0	1831.6 ✓
+50			8.7	1840.9 ✓
210+00			18.5	1831.1 ✓
TR			11.328	1838.268 ✓



Sta.	+	π	-	Elev.
				1838.268 ✓
	3.582	1841.850'		
210+50			18.1	1823.7 ✓
+75			6.9	1834.9 ✓
211+00			9.9	1831.9 ✓
+50			15.2	1826.6 ✓
+70			4.6	1837.2 ✓
212+00			11.5	1830.3 ✓
+50			14.8	1827.0 ✓
+65			23.7	1818.1 ✓
213+00			11.4	1830.4 ✓
+50			13.3	1828.5 ✓
214+00			12.4	1829.4 ✓
TF			12.961	1828.889 ✓

*See page 12*

*void*



21  
 307150  
 305735  
 215

.	007
21	
7	
14	
147	

B. M<sup>s</sup> Etc.

Sat.

~~+ Shots = Shots~~

Sat Sept. 24

+ Shots

260

25

75

235

20

- Shots

45

215

100

125

20

BM#29 1961.74

28 1931.85

27 1888.83

26 1892.63

25 1889.96

30 1989.41

31 2024.25

32 2065.40

33 2104.37

34 2147.86

35 2113.92

36 2081.31

11.012  
1307

Party - Leach  
Rouner. (11)

(Original Copies)

Point on rock on Hogs back.  
225' R Sta. 130700

11.02  
11.099

(12)

+ T - El.

1938.062

3.410 1941.462

11.523 1929.939 B.M.# 15

11.099 1941.038

12.725 1928.313

2.290 1930.603

2.149 1928.954

9.731 1938.185

2.083 1936.102 B.M.# 16

2.082 1938.184

Point on rock.

(See next page) 13.087 1925.097 T.P. (A)

0.675 1925.772

13.048 19 12.724

1.276 1914.002

11.884 1902.118

0.175 1902.293

9.140 1893.153 →

2.293 1900.00.

1936.102 B.M.# 16

7.19 1943.29

1.46 1941.83

El. of Topo Pt. above 1900 ft  
Canton Pt.

Note: From here on used Old Rod. (12)

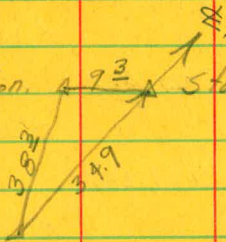
Point on rock. - 50' Below Topo.  
Point (on large rock on Hogs Back)

Nail in Oak Tree about  
35' Left Sta. 145+15<sup>10</sup> (North  
Portal of Tunnel)

Hub set for the 1900 ft  
Contour Point.

Set Hub where 1900 ft  
Contour Point should be

Actual 1900 ft. Con. Sta. 147+3  
Sta. 145+50



Pt. marked 1900 ft Contour.

(13)

Sta.	+	T	-	E.L.
				1925.097 T.P. (A)
	11.797	1936.894		
			0.224	1936.670
	12.153	1948.823		
146+50			10.1	1938.7
			0.219	1948.604
	12.422	1961.026		
147+00			3.0	1958.0
			0.342	1966.684
	12.860	1973.544		
+21 <sup>02</sup>			9.7	1963.8
+50			5.0	1968.5
			0.699	1972.845
	12.719	1985.564		
			0.393	1985.171
	12.960	1998.131		
			0.416	1997.715
	11.794	2009.509		
148+50			4.1	2005.4
			0.446	2009.063
	12.597	2021.660		
			0.198	2021.462
	12.824	2034.286		
			0.221	2034.065

Point on rock. (See Page 12)

(14)

Sta.	+	π	-	El.
				2034.065
	12.891	2046.756		
149+50			1.6	2045.1
Aug. 19,			0.208	2046.748
	12.733	2057.481		
			0.449	2059.032
	12.365	2071.397		
150+00			7.6	2063.8
			0.352	2071.045
	13.073	2084.118		
			0.218	2083.900
	12.219	2096.117		
			0.186	2095.933
	13.093 <sup>1</sup>	2109.024		
			0.227	2108.797
	12.881	2121.678		
151+50			11.8	2007.7
			0.247	2121.431
	12.536	2133.967		
152+00			4.4	2129.6
			1.2	2132.8
+06			2.0	2132.0
+26			1.405	2132.562

B.M #17



71  
1001  
—  
.071

Party Leach  
Panner (14)

Edge of road

Edge of road

Boat Spike driven in ground on edge  
of road 10' L Sta. 152+06.

(15)

Sta.	+	T	-	EI.	
				2132.562	13.117
	9.785	2142.347			
152+37			1.420	2140.927	T.P.
	12.807	2153.734			
152+50			5.5	2148.2	
			0.307	2153.427	
	11.837	2165.264			
			0.242	2165.022	
	12.438	2177.460			
			0.264	2177.196	
	11.935	2189.131			
153+50			0.284	2188.847	
	11.365	2200.212			
			1.151	2199.061	
	4.672	2203.733			
154+09			1.337	2202.396	✓
+32 <sup>42</sup>			5.3	2198.4	T.P.
+50			10.6	2193.1	
			12.514	2191.219	T.P.
	0.603	2191.822			
			12.090	2179.732	
	0.235	2179.967			
155+00			5.4	2174.6	

Top of slope -

Checked on Triangulation  
Point - Elevation Marked on Pole = 2202.39

(16)

Sta	+	T	-	El.
		2179.967		
			13.079	2166.888
	0.816	2167.704		
			12.922	2154.782
	0.682	2155.464		
			13.057	2142.407
	0.397	2142.804		
156+00			2.9	2139.9
+32			16.9	2125.9
			10.157	2132.647
	3.282	2185.929		
158+00			13.9	2122.0
159+50			10.1	2125.8
			12.779	2123.150
	1.968	2125.118		
160+00			5.4	2119.7
			12.968	2112.150
	0.585	2112.735		
+50			5.2	2107.5
+70			13.1	2099.6
161+42			16.6	2096.1

12.782

12.991

(16)

Center of small wash.

Edge of road.

Edge of road.

(17)

Sta.	+	π	-	Elev.
		2112.735		
161+50			13.0	2099.7
162+00			8.357	2104.378
	4.582	2108.960		
+50			4.0	2105.0
163+50			11.2	2097.8
			11.206	2097.754
	2.091	2099.845		
			13.038	2086.807
	0.521	2087.328		
			12.991	2074.337
	0.693	2075.030		
165+50			5.8	2069.21
			9.517	2065.513 B.M. #32
	6.260	2071.773		
166+00			6.8	2065.0
167+79 <sup>2</sup>			4.6	2067.2
			13.015	2058.758
	1.345	2060.103		
168+50			12.7	2047.4
			12.920	2047.183
	0.181	2047.364		
169+50			11.2	2036.2

11217  
9.520

19

(17)

2' R Sta. 165+85 (Nail in Ho b)

(18)

Sta.	+	π	-	EI.	
		2047.364			
			13.088	2034.276	
	0.942	2035.218			
170+03 <sup>21</sup>			6.1	2029.1	
			12.416	2022.802	
	0.315	2023.117			
170+50			5.8	2017.3	
			12.912	2010.205	
	0.281	2010.486			
			12.904	1997.582	
	0.254	1997.836			
171+50			6.5	1991.3	
			12.928	1984.908	
	0.360	1985.268			
172+24			14.5	1970.8	
			12.087	1973.181	
	2.336	1975.517			
			12.687	1962.830	B.M.#18.



→ Check Levels →

2148.081

47860

.221

+

π

-

E.I.

1942.075 T.P.#9

12.239 1954.314

4.335 1949.979

9.813 1959.772

10.011 1949.781 B.M.#7

1920.75 T.P.

12.98 1933.73

8.23 1925.40

11.35 1936.75

4.63 1932.17 B.M.#9

2147.860

3.148 2151.008

6.700 ✓ 2144.308

0.641 ✓ 2144.999

7.122 ✓ 2137.827

2.619 ✓ 2140.446

7.955 ✓ 2132.991

Center of Road opp 226 + 50

Center of Road opp 228 + 00

~~Hand see  
with couple  
line level  
see line level  
Book #19~~

91

Sta.	+	π	-	Elev.
		1772.545 <sup>Ⓢ</sup>		
			9.1	1763.4
230+50			13.0	1759.5 ✓
T.P.			12.407	1760.138 ✓
	0.558	1760.695 ✓		
231+00			3.8	1756.9 ✓
+50			6.3	1754.4 ✓
+90 <sup>63</sup> P.I.			9.7	1751.0 ✓
232+00			10.2	1750.5 ✓
			7.7	1753.0 ✓
+50			12.0	1748.7 ✓
233+00			14.4	1746.3 ✓
+50			16.9	1743.8 ✓
T.P.			12.298	1748.398 ✓

center of Road opp-230 +00

center of Road opp 232 +00

Sta.	+	π	-	Elev.
				1748.898 ✓
	0.610	1749.008 ✓		
234+00			8.3	1740.7 ✓
+50			6.9	1742.1 ✓
			13.1	1735.9 ✓
235+00			11.5	1737.5 ✓
+50			13.2	1735.8 ✓
			13.1	1735.9 ✓
T.P.			7.105	1741.903 ✓ E.I.B.M. P-2
	1.088	1742.991 ✓		
236+00			8.7	1734.3
+50			11.1	1731.9 ✓
+81	<sup>19</sup> P.I.		10.9	1732.1 ✓
237+00			16.3	1726.7 ✓

Center of Road opp 234+00

Center of Road opp 235+50

B.M. # "R2" - Nail in Hud

20' West of Sta. 234+00

Elev. = 1741.903

Sta.	+	T	-	Elev.
		1742.991'		
	T.F.		13.040	1729.951'
	0.723	1730.674'		
237+20			15.3	1715.4'
+50			4.2	1726.5'
238+00			7.0	1723.7'
			7.8	1722.9'
+50			9.5	1721.2'
239+01	<sup>36</sup> P.I.		13.1	1717.6'
	T.F.		12.171	1718.503'
	0.039	1718.542'		
+50			3.7	1714.8'
2.40+00			6.2	1712.3'
			6.0	1712.5'
+50			8.6	1709.9'



center of Road opp. 238 + 00

center of Road opp 240 + 00

Sta.	+	-	Elev.
		1718.542 ✓	
241+00		10.2	1708.3 ✓
T.F.		10.765	1707.777 ✓
	1.181	1708.958 ✓	
+32	<sup>33</sup> P.I.	2.6	1706.4 ✓
+50		3.8	1705.2 ✓
242+00		7.0	1702.0 ✓
		6.3	1702.7 ✓
+50		9.4	1699.6 ✓
243+00		11.5	1697.5 ✓
T.F.		11.682	1697.276 ✓
	0.858	1698.134 ✓	
+50		2.7	1695.4 ✓
244+00		5.0	1693.1 ✓

center of Road opp 242+00

Sta.	+	T	-	Elev.
		1698.134 ✓		
			4.7	1693.4 ✓
244+50			7.4	1690.7 ✓
245+00			10.3	1687.9 ✓
+04	<sup>06</sup> P.I.		10.2	1687.9 ✓
+50			13.2	1684.9 ✓
T.F.			12.308	1685.826
	0.602	1686.428		
246+00			3.6	1682.8 ✓
			3.5	1682.9 ✓
+50			5.6	1680.8 ✓
247+00			8.4	1678.0 ✓
+25			17.7	1668.7 ✓
+50			13.7	1672.7 ✓

Center of Road opp 244+00

Center of Road opp. -246+00

opp Bridge

Sta.	+	$\pi$	-	Elev.
		1686.428		
248+00			12.2	1674.2 ✓
			11.8	1674.6 ✓
			10.642	1675.786
	1.187	1676.973		
+50			3.3	1673.7 ✓
249+00			4.7	1672.3 ✓
+50			7.7	1669.3 ✓
250+00			16.2	1660.8 ✓
			8.9	1668.1 ✓
+50			15.2	1661.8 ✓
+63	P.I.		10.0	1667.0 ✓
T.P.			9.810	1667.163
	0.265	1667.428		

Center of Road opp-248 too

Center of Road opp-250 too

Sta.	+	π	-	Elev.	
		1667.428			
251+00			1.3	1666.1	✓
+50			2.2	1665.2	✓
252+00			4.2	1663.2	✓
			3.7	1663.7	✓
+50			5.6	1661.8	✓
253+00			8.0	1659.4	✓
+50			10.1	1657.3	✓
254+00			12.4	1655.0	✓
			11.7	1655.7	✓
T.F.			12.115	1655.313	
	0.202	1655.515			
+50			2.1	1653.4	✓
255+00			4.9	1650.6	✓



Center of Road opp 252+00

Center of Road opp 254+00

Sta.	+	$\pi$	-	Elev.
		1655.515		
255+23	<sup>0.9</sup> P.I.		6.7	1648.8 ✓
+50			7.1	1648.4 ✓
256+00			8.4	1647.1 ✓
			7.4	1648.1 ✓
T.F.			5.659	1649.856 = B.M. # P.3
	0.232	1650.088		
+50			4.8	1645.3 ✓
257+00			5.1	1645.0 ✓
+50			5.4	1644.7 ✓
258+00			5.7	1644.4 ✓
			5.6	1644.5 ✓
+50			6.6	1643.5 ✓
259+00			7.5	1642.6 ✓

Center of Road opp 256

B.M. # P-3 — Nail in large  
tree stump — center of  
curve of Road — 40' west  
of Sta 256 + 50 —  
Elev. = 1649.856 —

Center of Road opp 258 + 00

Sta.	+	$\pi$	-	Elev.
		1650.088		
259+50			10.1	1640.0 ✓
T.P.			9.235	1640.853
	4.010	1644.863		
260+00			7.1	1637.8 ✓
			4.4	1640.5 ✓
+50			6.4	1638.5 ✓
261+00			5.5	1639.4 ✓
+50			4.9	1640.0 ✓
262+00			4.0	1640.9 ✓
			3.3	1641.6 ✓
T.P.			3.381	1641.482
	8.277	1649.759		
+50			8.6	1641.2 ✓

center of Road opp 260+00

center of Road opp 262+00

Sta.	+	$\pi$	-	Elev.
		1649.759		
263+00			7.7	1642.1 ✓
+50			6.2	1643.6 ✓
264+00			4.6	1645.2 ✓
			4.3	1645.5 ✓
+50			4.4	1645.4 ✓
+79	<sup>6P</sup> -P.I.		3.6	1646.2 ✓
T.P.			2.032	1647.727
	8.106	1655.833		
265+00			15.4	1640.4 ✓
+50			9.6	1646.2 ✓
266+00			9.3	1646.5 ✓
			7.7	1648.1 ✓
+50			9.4	1646.4 ✓

Center of Road opp 264+00

Center of Road opp 266+00

Sta.	+	T	-	Elev
		1655.833		
267+00			8.9	1646.9 ✓
+50			7.2	1648.6 ✓
268+00			5.1	1650.7 ✓
			3.1	1652.7 ✓
+50			2.9	1652.9 ✓
T.F.			2.012	1653.821
	6.937	1660.758		
269+00			11.6	1649.2 ✓
+50			6.1	1654.7 ✓
270+00			5.4	1655.4
			5.2	1655.6 ✓
T.F.			7.956	1652.802



Center of Road opp 268+00

Center of Road opp 270+00

Sta.	+	π	-	Elev.
				1652.802
	3.477	1656.279		
270+50			3.8	1652.5 ✓
+51	<sup>23</sup> P.I.		4.1	1652.2 ✓
271+00			4.0	1652.3 ✓
+50			6.9	1649.4 ✓
272+00			12.4	1643.9 ✓
			7.4	1648.9 ✓
+50			15.1	1641.2 ✓
273+00			16.2	1640.1 ✓
T.P.			10.900	1645.379
	1.351	1646.730		
+50			4.4	1642.3 ✓
274+00			8.0	1638.7 ✓

*Hand*

31

Nov. 22 - 1927

Simpson - Inst.

Clavert - Rod

Center of Road opp 272+00

Sta.	+	$\pi$	-	Elev.
		1646.730		
			3.3	1643.4 ✓
274+50			8.4	1638.3 ✓
275+00			7.5	1639.2 ✓
+50			10.7	1636.0 ✓
+70			19.1	1627.6 ✓
276+00			19.8	1631.9 ✓
			10.1	1636.6 ✓
+50			19.1	1632.6 ✓
277+00			15.0	1631.7 ✓
+50			17.9	1628.8 ✓
278+00			15.1	1631.6 ✓
T.F.			8.570	1638.160 = B.M. #P-4

Center of Road opp 274+00

center of Road opp 276+00

B.M. # P-4 - Large spike in  
Power Pole # 19095. 40' west  
of Sta. 276+90  
Elevation = 1638.160

Sta.	+	T	-	Elev.
				1638.160
	3.353	1641.513		
			7.9	1633.6 ✓
278+50			7.2	1634.3 ✓
279+00			7.6	1633.9 ✓
+50			7.3	1634.2 ✓
280+00			8.1	1633.4 ✓
+50			4.7	1636.8 ✓
			9.0	1632.5 ✓
281+00			11.5	1630.0 ✓
TA			9.723	1631.790
	0.592	1632.382		
+50			6.8	1625.6 ✓
282+00			8.8	1623.6 ✓

Center of Road opp 278+00

center of Road opp 280+00

Sta.	+	π	-	Elev.
		1632.382		
			4.9	1627.5 ✓
282+50			12.2	1620.2 ✓
283+00			15.4	1617.0 ✓
T.P.			12.568	1619.814
	0.798	1620.612		
+50			5.7	1619.9 ✓
284+00			8.2	1612.4 ✓
			5.2	1615.4 ✓
+50			9.1	1611.5 ✓
285+00			10.8	1609.8 ✓
+50			13.0	1607.6 ✓
286+00			15.1	1605.5 ✓
			13.0	1607.6 ✓



34

Center of Road opp 282+00

Center of Road opp 284+00

Center of Road opp 286+00

Sta.	+	$\pi$	-	Elev.
		1620.612		
286+50			16.7	1603.9 ✓
287+00			19.3	1601.3 ✓
T.F.			12.650	1607.962 = B.M. # P-5
	2.710	1610.672		
+50			8.7	1602.0 ✓
288+00			10.3	1600.4 ✓
			8.2	1602.5 ✓
+50			10.8	1599.9 ✓
289+00			10.3	1600.4 ✓
+50			9.2	1601.5 ✓
290+00			6.5	1609.2 ✓
			6.2	1604.5 ✓
+50			4.6	1606.1 ✓

B.M. # P-5 — large spike  
in Power Pole # 14092 —  
35' west of Sta. 287+40  
Elev. = 1607.962

Center of Road opp 288+00

Center of Road opp 290+00

Sta.	+	$\pi$	-	Elev.
		1610.672		
291+00			4.4	1606.3 ✓
+50	<sup>49</sup> P.O.T.		4.0	1606.7 ✓
292+00			7.6	1603.1 ✓
			7.8	1602.9 ✓
+50			12.7	1598.0 ✓
T.F.			12.460	1598.212
	0.070	1598.282		
293+00			5.6	1592.7 ✓
+50			9.9	1588.9 ✓
294+00			13.9	1584.9 ✓
			13.8	1584.5 ✓
T.F.			12.860	1585.422

Center of Road opp 292+00

Center of Road opp 294+00

Sta.	+	π	-	Elev.
				1585.422
	0.499	1585.921		
294+50			5.2	1580.7 ✓
295+00			6.9	1579.0 ✓
+50			8.4	1577.5 ✓
T.P.			9.503	1576.918
	0.300	1576.718		
296+00			0.4	1576.3 ✓
			0.0	1576.7 ✓
+50			1.8	1574.9 ✓
297+00			3.2	1573.5 ✓
+50			4.2	1572.5 ✓
298+00			5.9	1570.8 ✓
			4.9	1571.8 ✓

Center of Road opp 296+00

Center of Road opp 298+00

Sta	+	π	-	Elev.
		1576.718		
298+50			7.1	1569.6 ✓
299+00			8.3	1568.4 ✓
+50			8.8	1567.9 ✓
300+00			9.7	1567.0 ✓
			8.3	1568.4 ✓
+50			10.6	1566.1 ✓
7.57			9.602	1567.116
	0.283	1567.399		
301+00			2.6	1564.8 ✓
+50			3.5	1563.9 ✓
302+00			3.5	1563.9 ✓
			3.1	1564.3 ✓
+50			6.2	1561.2 ✓



Center of Road opp 300+00

Center of Road opp 302+00

Sta.	+	π	-	Elev.
		1567.399		
303+00			7.1	1560.3 ✓
+50			7.8	1559.6 ✓
304+00			8.1	1559.3 ✓
			8.2	1559.2 ✓
+50			10.8	1556.6 ✓
305+00			11.8	1555.6 ✓
TP			8.353	1559.046 = B.M. #P-6
	0.730	1559.776		
+50			4.2	1555.6 ✓
306+00			5.2	1554.6 ✓
			5.0	1554.8 ✓
+50			6.2	1553.6 ✓
307+00			7.2	1552.6 ✓

Center of Road opp 304+00

B.M. # R-6 - Large spike in  
Power Pole # 14087 - 30' West  
of Sta. 304+90  
Elevation = 1559.046

Center of Road opp 306+00

Sta.	+	$\pi$	-	Elev.
		1559.776		
307+50			8.3	1551.5 ✓
308+00			9.2	1550.6 ✓
			9.1	1550.7 ✓
TA			9.954	1550.322
	1.707	1552.029		
+50			2.4	1549.6 ✓
309+00			3.2	1548.8 ✓
+50			4.2	1547.8 ✓
310+00			5.0	1547.0 ✓
			5.0	1547.0 ✓
+50			6.0	1546.0 ✓
311+00			6.7	1545.3 ✓
+50			7.3	1544.7 ✓

40

Check Here .07

Center of Road opp 308+00

Center of Road opp 310+00

Sta.	+	$\pi$	-	Elev.
		1552.029		
312+00			8.6	1543.4 ✓
			8.3	1543.7 ✓
TP			8.535	1543.494
	1.562	1545.056		
+50			2.2	1542.9 ✓
313+00			3.3	1541.8 ✓
+50			4.0	1541.1 ✓
314+00			5.1	1540.0 ✓
			5.0	1540.1 ✓
+50			5.5	1539.6 ✓
315+00			6.8	1538.3 ✓
+50			7.5	1537.6 ✓
316+00			8.5	1536.6 ✓

center of Road opp. 312+00

center of Road opp 314+00

Sta.	+	T	-	Elev.
		1545.056		
			8.4	1536.7 ✓
	T.F.		8.620	1536.436
	2.587	1539.023		
316+50			3.6	1535.4 ✓
317+00			3.7	1535.3 ✓
+50			4.0	1535.0 ✓
318+00			5.7	1533.3 ✓
			5.0	1534.0 ✓
+50			5.5	1533.5 ✓
319+00			6.0	1533.0 ✓
+50			6.7	1532.3 ✓
320+00			7.4	1531.6 ✓
			7.6	1531.4 ✓



✓  
= List of B.M.s on

Southerland - San

Vicente Conduit 2

Correct Elev.

B.M. or T.P.#.	Elev.
B.M.#1	1949.481
B.M.#2	1959.209
B.M.#4	1948.103
T.P.#6	1928.149
B.M.#5	1946.948
T.P.#7	1950.735
B.M.#6	1958.312
B.M.#7	1949.786
T.P.#9	1942.080
B.M.#8	1951.754
B.M.#9	1932.173
B.M.#10 <sup>#11</sup>	1888.903 1933.797
B.M.#12	1930.976
B.M.#13	1940.850
#14	1936.319
#15	1929.941
#16	1936.107
#17	2132.567
#18	1962.820
#19	1907.880
#20	1906.071
#21	1893.987
22	1905.093

→ H Line →

B.M's on Southerland  
San Vicente Conduit.

→ Check Levels →

→ Between B.M.#12 and  
B.M.#18 →

Party Leach  
Rauzer.

August 26, and 27, 1927

①

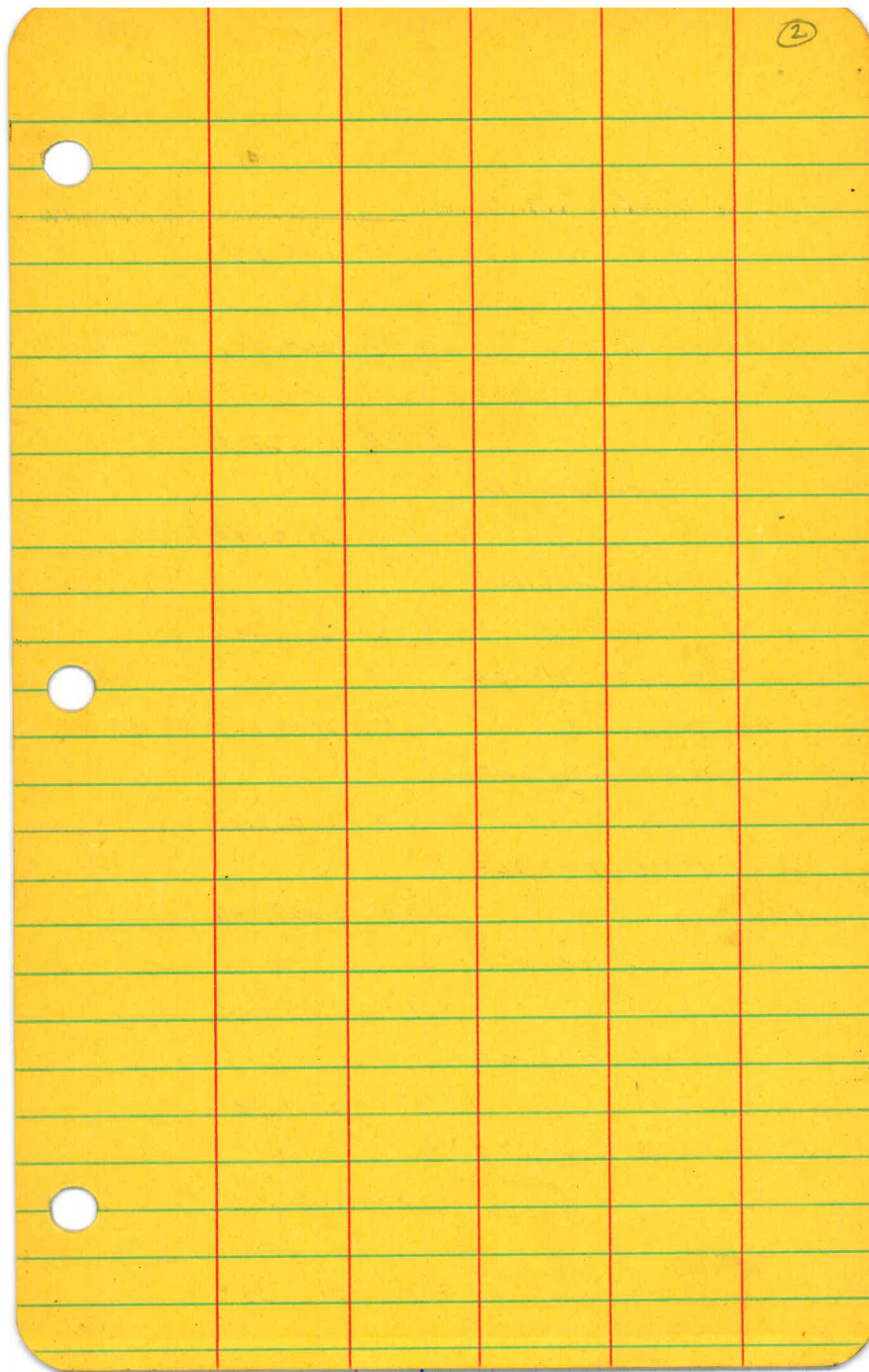
+	T	-	El.
			1930.976 B.M#12
12.674	1943.650		
		0.505	1943.145
10.014	1953.159		
		0.377	1952.782
12.778	1965.560		
		0.573	1964.987
12.046	1977.035		
		2.010	1975.025
11.024	1986.099		
		0.861	1985.188
11.487	1996.675		
		0.270	1996.405
11.060	2007.465		
		3.448	2004.017
10.132	2014.149		
		1.452	2012.697
9.120	2021.817		
		0.516	2021.301
11.448	2032.719		
		0.239	2032.510
10.412	2042.922		
		1.899	2041.023 B.M#38
		0.511	2042.411

Correct Elev. (Balanced.)

old B.M.

(2)

+	T	-	E.I.
			2042.411
8.381	2050.792		
		0.221	2050.571
10.120	2060.691		
		0.776	2059.915
6.868	2066.783		
		0.563	2066.220
8.684	2074.907		
		0.720	2074.184
7.848	2082.032		
		0.110	2081.922
12.803	2094.725		
		0.692	2094.033
9.430	2103.463		
		2.203	2101.260
8.105	2109.365		
		0.351	2109.014
9.522	2118.536		
		0.974	2117.562
7.322	2124.884		
		0.079	2124.805
10.540	2135.345		
		2.633	2132.712 B.M #17
7.955	2140.667		
		2.619	2138.048



③

+	$\pi$	-	E.L.
			2138.048
7.122	2145.170		
		0.641	2144.529
6.700	2151.229		
		3.148	2148.081 B.11 <sup>H</sup> 34
0.761	2148.842		
		12.104	2136.738
0.040	2136.778		
		9.915	2126.863
0.402	2127.265		
		10.622	2116.643
0.360	2117.003		
		12.683	2104.320
2.049	2106.369		
		9.812	2096.557
0.711	2097.268		
		11.481	2085.787
0.512	2086.279		
		9.295	2077.004
0.100	2077.104		
		9.573	2067.531
1.239	2068.770		
		3.154	2065.616
		8.531	2060.239
0.692	2060.931		



Nail in hub. (old B.M.)

(4)

+	T	-	El.	
	2060.931			
		9.343	2051.588	
0.920	2052.508			
		11.828	2040.680	
0.324	2041.009			
		8.840	2032.164	
0.770	2032.934			
		8.484	2024.450	B.M.#31
0.548	2024.998			
		8.690	2016.308	
0.637	2016.945			
		11.983	2004.962	
0.347	2005.309			
		8.205	1997.104	
0.521	1997.625			
		8.572	1989.053	
1.067	1990.120			
		9.323	1980.797	
1.000	1981.797			
		8.145	1973.652	
1.111	1975.363			
		8.881	1966.482	
2.441	1968.923			
		6.117	1962.806	B.M.#18
		7.085	1961.838	B.M.#29

Old B.M. Nail in hub. Edge of Rd.

Spike driven in ground. Edge of  
Rd. Sta 172+30. (Balanced E.L. = 1962.820  
Nail in Hub E.L. = 1961.74 (Old B.M.)

+    π    -    51

1962.820

→ H Line →

→ B.M.'s on Southerland  
San Vicente Conduit. →

→ Established B.M.'s

approximately every 1000  
ft., and about 50 ft. above  
±. →

Party: Leach.  
Rauner.  
Clarex.

July 28, 1927.

①

	+	T	-	E.I.	2nd
July 28, 1927				1941.152	B.M. #18
	11.710	1952.862			
			11.039	1941.823	T.P.
	9.828	1951.651			
			5.304	1946.397	
	3.742	1950.089			
			0.608	1949.481	B.M. #1
			11.908	1938.181	
	1.240	1939.421			
			7.317	1932.104	T.P. #1
	3.428	1935.532			
			5.960	1929.572	T.P. #2
	6.060	1935.632			
			6.118	1929.514	
	1.630	1931.144			
			10.195	1920.949	
	8.590	1929.539			
			2.130	1927.409	
	1.233	1928.642			
			5.538	1923.104	
	10.880	1933.984			
			1.889	1932.095	
	12.441	1944.536			

Very hot.

Party - some.

①

→ Description →

Hub, one corner painted white East side River.

Point on rock. 25' L Sta. 6+10.

Point on rock. 50' left Sta. 7+60<sup>73</sup>

Point on rock. Center of old  
Pipe Line - Sta. 8+00

Point on rock. Center of old  
Pipe Line - Sta. 10+50.

(2)

+       $\pi$       -      Elev.

1944.536

0.470 1944.066

12.590 1956.656

2.523 1954.133 T.P.#3

Level top slipped

12.340

12.747 1966.473

7.273 1959.200 B.M.#2.

July 29, 1927

2061.908 U.S.G.S(B.M.)

2.504 2064.412

11.153 2053.259

0.286 2053.545

8.541 2045.004

0.102 2045.106

10.412 2034.694

2.643 2037.337

12.132 2025.205

0.563

~~0.608~~ 2025.768

12.770

~~11.821~~ 2012.998

2.190 2015.188

12.938 2002.250 B.M.#3

1.180 2003.430

12.760 1990.670

0.150 1990.820



Point on rock: Near Sta. 19+22<sup>69</sup>

Hub with nail in center

70' South Sta. 19+85<sup>50</sup>

Note:- Took off Primary B.M.  
U.S.G.S. Base (Point on Rock  
in Saddle Near road intersections  
at Construction Camp.) to check  
B.M.#2 (Page 2)

Nail in rock. near small ravine  
Approximately 25' West of old Road  
Heading from Dam and 125' East  
B.M.#2. (Page 2)

3

	+	∩	-	Elev.	
		1990.820			
			12.680	1978.140	
	0.195	1978.335			
			12.603	1965.732	
	3.424	1969.156			
			9.938	1959.218	B.M.# 2
July 30, 1927					check El. = 1959.200
				1959.200	B.M.# 2
	2.403	1961.603			
			12.543	1949.060	
	1.048	1950.108			
			12.205	1937.903	
	0.307	1938.210			
			11.070	1927.140	
	4.081	1931.221			
			0.693	1930.528	
	12.436	1942.964			
			0.174	1942.790	T.P.# 4
	7.325	1950.115			
			7.995	1942.120	T.P.# 5
	12.558	1954.678			
			6.580	1948.098	B.M.# 4

B.M.#2 Nail in Redwood hub.  
70' South Sta 19+85 50 (P.I.)

Nail in Stump Near Sta. 23+65

T.P. Point on rock. 30' from  
end of old road.

Hub with nail driven in hole  
in rock. Near Spring and Bend  
in new road (55' West of Sta.  
25+10 36 (P.I.))

④

Aug. 1, 1927.	+	T	-	E.I.
				1948.096 B.M.#4.
	3.119	1951.217		
			10.631	1940.586
	.841	1941.427		
			9.345	1932.082
	.191	1932.273		
			10.186	1922.087
	.696	1922.777		
			10.196	1912.579
	.867	1913.446		
			10.862	1902.584
	1.162	1903.746		
			9.417	1894.329
	6.390	1900.719		
			1.145	1899.574
	10.743	1910.317		
			.218	1910.099
	12.680	1922.779		
			6.330	1916.449
	12.194	1928.643		
			.493	1928.150 T.P.#6
	12.554	1940.704		
			.140	1940.564
	12.125	1952.689		
			5.740	1946.949 B.M.#5

Pine hub driven in ground on  
line Sta. 33+60.

B.M. #5 Point on small rock 10' ft. small wash,  
40' Left. Sta. 33+60.

(5)

+	T	-	E.L.
			1946.999 B.M.#5
5.740	1952.689		
		12.095	1940.594
0.436	1941.030		
		12.876	1928.154 T.P.#6
			1928.150 T.P.#6
5.881	1934.031		
		0.414	1933.617
4.420	1938.037		
		3.047	1934.990
11.311	1946.301		
		4.188	1942.113
11.648	1953.761		
		8.112	1945.649
1.047	1946.696		
		8.465	1938.231
11.343	1949.574		
		0.873	1948.701
12.004	1960.705		
		9.974	1950.731 T.P.#7
9.974	1960.705		
		2.397	1958.308 B.M.#6
2.396	1960.704		
		9.972	1950.732 T.P.#7

~ Description ~

Note: (Set B.M # 5 and checked.  
back to turn #6. Proceeding from  
Elev. of 1928.150.)  
T.P #6. Page - 4

(See Page 4.)

Nail in hub 4' L Sta. 41+35 ~

Nail in Redwood hub. 20' L Sta.  
41+50.

⑥

	+	T	-	EI,
				1950.731 T.P.#7
	4.611	1955.342		
			0.630 <del>0.628</del>	1954.712
	11.683	1966.395		
			12.410	1953.985
	2.904 <del>2.53</del>	1956.889		
			9.972	1946.917
	1.050	1947.967		
			11.212	1936.755
	0.136	1936.891		
			0.043	1936.848
	12.894	1949.742		
			0.474	1949.265 T.P.#8
	2.501	1951.769		
			1.988	1949.981 B.M.#7
Aug. 9	9.394	1959.175		
			6.978	1952.197
	2.504	1954.701		
			12.636	1942.065 T.P.#9
	1.243	1943.308		
			0.020	1943.288
	12.518	1955.806		
			.263	1955.543
	12.162	1967.705		
			.297	1967.408



← Page 5 →

T.P. on Stump Sta. 48+76

Rauner 3' left Sta 48+76 Nail in pine hub

Sta. 51+50 Pt. on rock.

	+	∩	-	Elev.	⑦
				1967.408	
	10.006	1977.414			
			9.059	1968.355	
	6.049	1974.404			
			11.716	1962.688	
	5.926	1968.614			
			5.340	1963.274	
	7.365	1970.639			
			12.750	1957.889 T.P.#	
	0.479	1958.368			
			6.632	1951.736 B.M.# 8	
	6.632	1958.368			
			479	1957.889	
	7.758	1965.647			
			3.213	1962.434	
	7.255	1969.669			
			12.916	1956.753	
	.178	1956.931			
			12.829	1944.102	
	.280	1944.382			
			12.727	1931.655	
	.932	1932.587			
Aug. 10, 1927			.430	1932.157 B.M.# 9	
	11.160	1943.317			
			0.059	1943.258	

→ Point on rock Sta. 66+80 ~

→ Bent nail in Manzanita Stump  
Sta. 66+07. ~

Point on rock Sta. 67+25

⑧

+	T	-	E.I.	
			1943.258	
10.747	1954.605			
		0.095	1953.910	
4.453	1958.363			
		1.783	1956.580	
2.580	1959.160			
		7.519	1951.641	
7.312	1958.953			
		4.912	1954.041	
7.010	1961.051			
		0.040	1961.011	
12.394	1973.405			
		6.410	1966.995	T.P.#10.
2.234	1969.229			
		12.048	1957.181	
1.570	1958.751			
		12.328	1946.423	
0.383	1946.806			
		13.020	1933.786	B.M.#10.

Point on rock. 6' Right Sta. 78+50.

Point on rock. 4' left Sta. 82+50.

9

+	+	-	El.	
			1933.786	B.M.#10
0.535	1934.321			
		13.000	1921.321	B.M.# C-8
0.122	1921.443			
		12.855	1908.588	
0.526	1909.114			
		12.958	1896.156	
0.166	1896.322			
		12.990	1883.332	
0.638	1883.970			
		12.442	1871.528	
0.723	1872.251			
		7.488	1864.763	
6.159	1870.922			
		0.601	1870.321	
11.661	1881.982			
		0.982	1881.000	
11.272	1892.272			
		3.380	1888.892	B.M.# 11.
3.380	1892.272			
		0.330	1891.942	
12.613	1904.555			
		0.635	1903.920	
8.095	1912.015			
		3.061	1908.954	T.P.

Checked on (B.M. G-8): Point on  
rock on Old Pipe Line El.  
marked on Lath = 1921.25

Point on large Boulder at Bend  
in main traveled Road.  
About 150' R Sta. 94+00.

Checked on B.M #42 on edge  
of (Mesa Grande) Road.

(10)

Aug. 16, 1927	+	T	-	El.	
				1908.954	
10.158	1919.112		0.712	1918.400	
11.113	1929.513		1.623	1927.890	
7.049	1934.939		3.968	1930.971	B.M.#12
11.521	1942.992		0.971	1941.521	
11.719	1953.240		1.266	1951.974	
12.726	1964.700		0.295	1964.405	
12.729	1977.134		1.709	1975.425	
7.339	1982.764		1.881	1980.883	B.M.#40
			12.618	1970.146	T.P.
0.937	1971.083		12.883	1958.200	T.P.#11
0.645	1958.845		12.454	1946.391	
2.508	1948.899		8.054	1940.845	B.M.#13



Note: From B.M.# 42 on we used (10)  
Rod #5.

B.M.# 42. (Old B.M.)

Point on rock. 35' Right Sta.  
105+75 —

Point on rock. 2' Left Sta. 117+54

Point on rock. 150' R. Sta. 117+75.  
East side Hops Back.

(11)

Aug. 16, 1927

+

π

-

E1.

1940.845 B.M.#13

4.772 1945.417

6.220 1939.397

6.364 1945.761

2.835 1942.726

11.007 1953.933

1.430 1952.503

12.293 1964.796

0.773 1964.023

10.446 1974.469

9.666 1964.803

1.025 1965.828

12.900 1952.928

3.632 1956.560

12.463 1944.097

2.325 1946.922

10.113 1936.309 B.M.#14

8.153 1944.462

3.135 1941.327

8.719 1950.046

8.665 1941.381

7.383 1948.764

10.366 1938.398

8.841 1947.239

9.187 1938.052

11

Point on rock on Hops back.  
225' R. Sta. 130+00.

(12)

+	T	-	El.	
			1938.052	
3.410	1941.462			
		11.523	1929.939	B.M.#15
11.099	1941.038			
		12.725	1928.313	
2.290	1930.603			
		2.149	1928.454	
9.731	1938.185			
		2.083	1936.102	B.M.#16
2.082	1938.184			
		13.087	1925.097	
11.797	1936.894			
		0.224	1936.670	
12.153	1948.823			
		0.219	1948.604	
12.422	1961.026			
		0.342	1960.684	
12.860	1973.544			
		0.699	1972.845	
12.719	1985.564			
		0.393	1985.171	
12.960	1996.131			
		0.416	1997.715	
11.794	2009.509			

Point on rock - 50' below Topo  
Point. Charge rock on Hogs back.

Nail in Oak Tree about  
35' Left Sta. 143+50.

(13)

+	$\pi$	-	E.I.
	2009.509		
		0.446	2009.063
12.597	2021.660		
		0.198	2021.462
12.824	2034.286		
		0.221	2034.065
12.891	2046.956		
		0.208	2046.748
12.733	2059.481		
		0.449	2059.032
12.365	2071.397		
		0.352	2071.045
13.073	2084.118		
		0.218	2083.900
12.219	2096.119		
		0.186	2095.933
13.091	2109.024		
		0.227	2108.797
12.881	2121.678		
		0.247	2121.431
12.536	2133.967		
		1.405	2132.562 B.M.#17
9.785	2142.347		
		1.420	2140.927

Boat Spike on edge of Road  
10' Left Sta. 152+06

(14)

$+$	$\pi$	$-$	E.I.
			2140.927
12.807	2153.734		
		0.307	2153.427
11.837	2165.264		
		0.242	2165.022
12.438	2177.460		
		0.264	2177.196
11.935	2189.731		
		0.284	2188.847
11.365	2200.212		
		1.151	2199.061
4.672	2203.733		
		1.337	2202.396
		12.514	2191.219
0.603	2191.822		
		12.090	2179.732
0.235	2179.967		
		13.079	2166.888
0.816	2167.704		
		12.922	2154.782
0.682	2155.464		
		13.057	2142.407
0.397	2142.804		
		10.157	2132.647

 $\Delta$  Point.



✓ Checked on Triangulation Point  
El. Marked on Pole = 2202.39.

(15)

+	T	-	E.L.
			2132.647
3.282	2135.929		
		12.779	2123.150
1.968	2125.118		
		12.968	2112.150
0.585	2112.735		
		8.357	2104.378
4.582	2108.960		
		11.206	2097.754
2.091	2099.845		
		13.038	2086.807
0.521	2087.328		
		12.991	2074.337
0.693	2075.030		
		9.517	2065.513 B.M #32
6.260	2071.773		
		13.015	2058.758
1.345	2060.103		
		12.920	2047.183
0.181	2047.364		
		13.088	2034.276
0.992	2035.218		
		12.416	2022.802
0.315	2023.117		
		12.912	2010.205

Old B.M

(16)

+      -      -      El.

2010.205

0.281 2010.486

12.904 1997.582

0.254 1997.836

12.928 1984.908

0.360 1985.268

12.087 1973.181

2.336 1975.517

12.687 1962.830 B.M.#18

Aug 30, 1927

1962.820 B.M.#18

1.350 1964.170

8.217 1955.953

0.149 1956.102

10.032 1946.070

0.211 1946.281

9.407 1936.874

1.090 1937.964

6.028 1931.936 B.M.#28

7.543 1928.421 T.P.

0.049 1928.470

10.723 1917.747

1.269 1919.016

9.042 1909.974

Porty Leach  
Raumer.

(16)

Balanced Elev = 1962.820.

Balanced El.

Old B.M. El. Marked on bath = 1931.85

⑦

+	T	-	E.L.	
			1909.974	
0.641	1910.615			
		2.735	1907.880	B.M. #19
		10.982	1897.633	T.P.
0.549	1900.182			
		9.527	1890.655	
5.042	1895.697			
		4.163	1891.534	
6.030	1897.564			
		4.443	1893.121	
5.586	1898.707			
		2.049	1896.658	
10.410	1907.068			
		1.004	1906.064	B.M. #20
		Check Levels back to B.M. #18.		
			1906.064	B.M. #20
1.005	1907.069			
		10.409	1896.660	
1.448	1898.108			
		5.520	1892.588	
3.776	1896.364			
		5.170	1891.194	
4.711	1895.905			
		0.700	1895.205	

Old BM

①

+	T	-	El.	
			1895.214	
1.162	1896.376			
		7.576	1888.800	
4.824	1893.624			
		3.940	1889.684	
4.284	1893.968			
		3.923	1890.045	B.M# 25
5.033	1895.078			
		5.435	1889.643	
4.645	1894.288			
		0.300	1893.988	B.M# 21
Check Levels back to B.M# 20.				
			1893.988	B.M# 21
0.271	1894.259			
		4.621	1889.638	
5.560	1895.198			
		5.149	1890.049	B.M# 25
4.843	1894.892			
		5.089	1889.803	
4.518	1894.321			
		5.717	1888.604	
6.089	1894.693			
		4.025	1890.668	



Old BM E. marked on Lath = 1889.965

Boat Spike in ground

Old BM Nail in Hub.

(20)

+	+	-	El.
			1890.668
8.095	1898.763		
		3.000	1895.763
4.962	1900.725		
		4.052	1896.673
9.630	1906.303		
		0.230	1906.073 B.M #20
Therefore El. B.M #21 = 1893.987			

Sept. 1, 1927

			1893.987 B.M #21
5.266	1899.253		
		8.773	1890.480
5.025	1895.505		
		6.912	1888.593 B.M #24
9.520	1898.113		
		5.880	1892.233
2.063	1894.296		
		6.120	1888.176
10.395	1898.571		
		0.020	1898.551
8.808	1906.359		
		2.265	1905.094 B.M #22

Correct El. = 1906.071

old. B.M.

In Power Pole # 14113 50' Left  
Sta. 210+00. (On Road to Ranch.  
Balanced El. = 1905.093

---

+	$\bar{\pi}$	-	E.I.
			1905.094 B.M.#22
2.265	1907.359		
		8.808	1898.551
0.068	1898.619		
		10.445	1888.174
6.244	1894.418		
		2.182	1892.236
5.883	1898.119		
		7.517	1888.602
6.768	1895.370		
		4.880	1890.490
8.804	1899.294		
-		5.304	1893.990 B.M.#21

Therefore E.I. B.M.#22 = 1905.093

Sep. 2, 1927			1905.093 B.M.#22
0.552	1905.645		
		11.715	1893.870
10.977	1904.847		
		2.770	1902.077
0.908	1902.985		
		13.063	1889.922
0.892	1890.814		
		9.627	1881.187

Clear and warm

Party Leach 21  
Rauner

Sept. 2, 1927

Correct E1 = 1893.967

S	+	$\pi$	-	E.L.
				1881.187
9.941	1891.125		1.183	1889.945
12.639	1902.584		0.263	1902.321
9.834	1912.155		1.495	1910.660 B.M.#23

Note: These Notes Copied from  
Profile Level Notes Between  
B.M.'s 23 and 24.

				1910.662 B.M.#23
1.495	1912.157		12.979	1899.176
0.523	1899.701		0.510	1899.191
10.419	1909.610		0.310	1909.300
3.836	1913.136		10.021	1903.115
11.868	1914.983		0.131	1914.852
9.872	1924.724		12.710	1912.014 B.M.#24

Spike driven in crack in rock.  
15' L Sta. 219+00.

Spike driven in crack in rock.  
20' R Sta. 226+07.

+	+	-	El.
			1912.014 B.M.#24
12.378	1924.392		
		7.585	1916.807
2.226	1919.033		
		7.973	1911.060
5.561	1916.621		
		7.125	1909.496
10.805	1920.301		
		9.627	1910.679 B.M.#23

Therefore Balanced El of B.M.#24 =  
1912.008

Note: The following Level Notes  
copied from Profile Level Notes  
Between B.M. No. 24 and 25.

			1912.008 B.M.#24
1.655	1913.663		
		12.645	1901.018
0.087	1901.105		
		12.577	1888.528
0.234	1888.762		
		12.170	1876.592
11.210	1887.802		



Sept. 2, '27

Clear and Hot

Party Leach.  
Rauzerk.

23

Check Levels between  
B.M.'s 23 and 24.

+	T	-	El.
	1887.802		
		1.430	1886.372
12.159	1898.531		
		0.045	1898.486
10.961	1909.447		
		12.693	1896.754
8.700	1905.454		
		12.488	1892.966
9.618	1902.584		
		4.250	1898.334
3.166	1901.500		
		0.572	1900.928 B.M.#25
Check Levels between B.M's # 24 and 25.			
		1912.008	B.M.#24
0.223	1912.231		
		11.792	1900.439
0.346	1900.785		
		7.809	1892.976
9.694	1902.670		
		7.013	1895.657
5.849	1901.506		
		0.556	1900.950 B.M.# 25

Clear and Hot.

Party

Leach, (24)  
Rauner.

Sept. 6 1927.

Beat Spike in ground 18' left  
Sta. 235175.

Beat Spike in ground 18' left  
Sta. 235175  
Balanced Elev. = 1900.939.

(25)

+	∟	-	El.
			1900.939 B.M #25
0.552	1901.491		
		13.022	1888.469
0.056	1888.524		
		12.732	1875.792
1.554	1877.346		
		12.690	1864.656
0.675	1865.331		
		9.532	1855.799
11.175	1866.974		
		0.270	1866.704
12.550	1891.830		
		0.157	1891.673
11.701	1903.374		
		1.316	1902.058 B.M #26
1.317	1903.375		
		12.660	1890.715
0.582	1891.297		
		12.650	1878.647
12.449	1891.091		

Note: The following Level Notes  
copied from Profile Level  
notes Between B.M.'s No's  
25 and 26. and 27

Boat Spike in ground 18' left  
Sta 235+75.

Spike in ground 20' L Sta. 240+00

+	T	-	E.L.
	1891.091		
		2.489	1888.602
6.011	1894.613		
		10.946	1883.667
12.096	1895.763		
		7.050	1888.713
12.904	1901.617		
		10.082	1891.535 T.P.

Check Levels Between  
B.Ms 25 and 27

			1900.939 B.M#25
2.085	1903.024		
		0.980	1902.044 B.M#26
		8.941	1894.083
7.841	1901.924		
		<sup>19</sup> 9.383	1891.541 T.P.
		11.475	1890.449 B.M# 27

Warm and Cloudy

Party - Leach, 26

Bate -

Sept. 20, 1927.

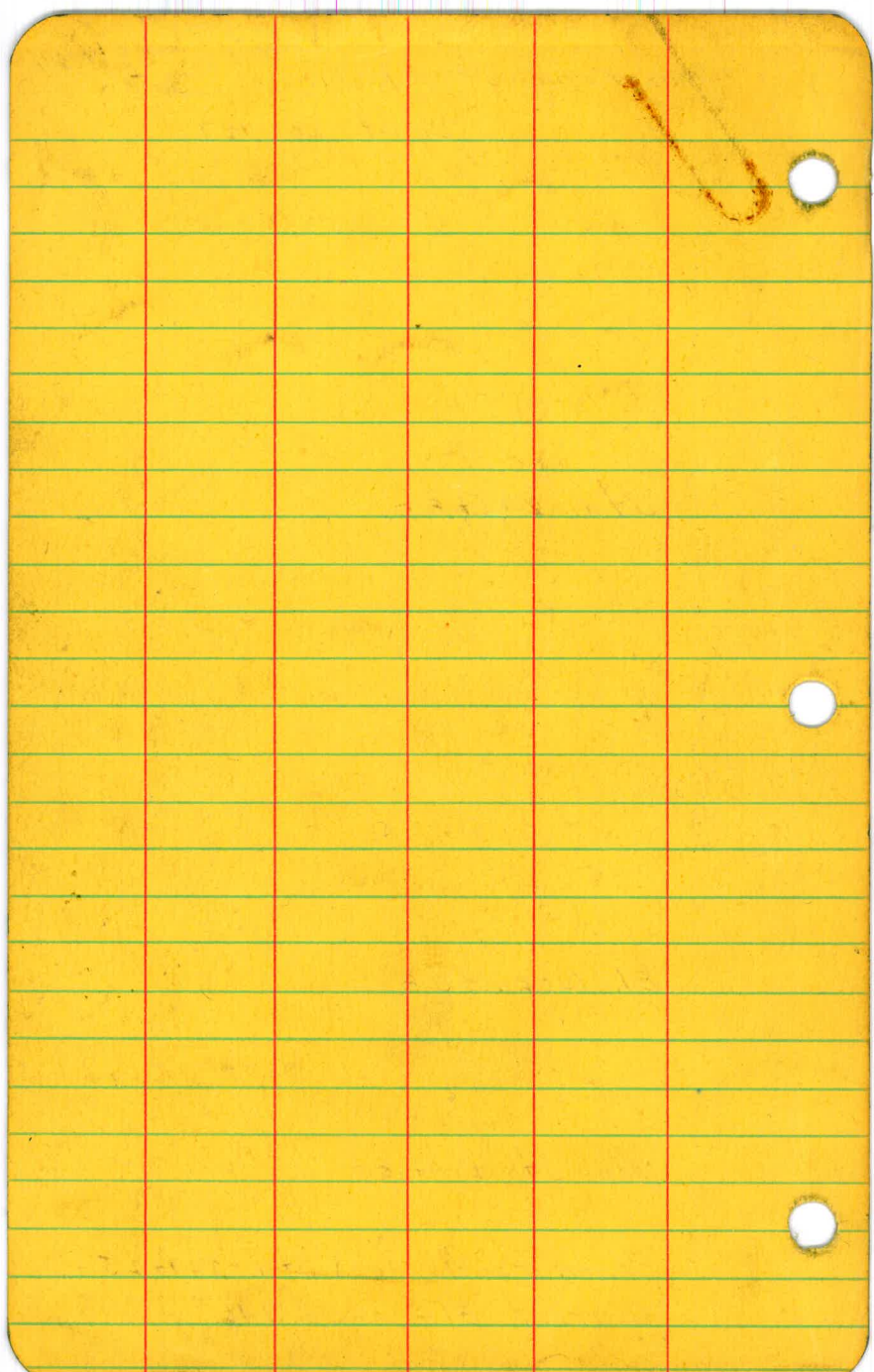
Sta. 247+80.

El. 1902.058

Near Sta 247+80

Pt. on rock. 40' R. Sta. 249+25

Correct El. = 1890.346.





56

center of Rd. opp 386+00

center of Rd. opp 388+00

center of Rd opp 390+00

center of Santa Maria Creek

Sta.	+	π	-	Elev.
		1476.500		
394+00			4.2	1472.3 ✓
TF			4.030	1472.470
	4.631	1477.101		
395+00			5.1	1472.0 ✓
396+00			5.4	1471.7 ✓
397+00			5.5	1471.6 ✓
TF			4.823	1472.278
	5.720	1477.998		
398+00			6.5	1471.5 ✓
TF			0.900	1477.098
	10.455	1487.553		
+90			6.7	1480.9 ✓
399+10			6.6	1481.0 ✓
+50			3.8	1483.8 ✓

2-6/28

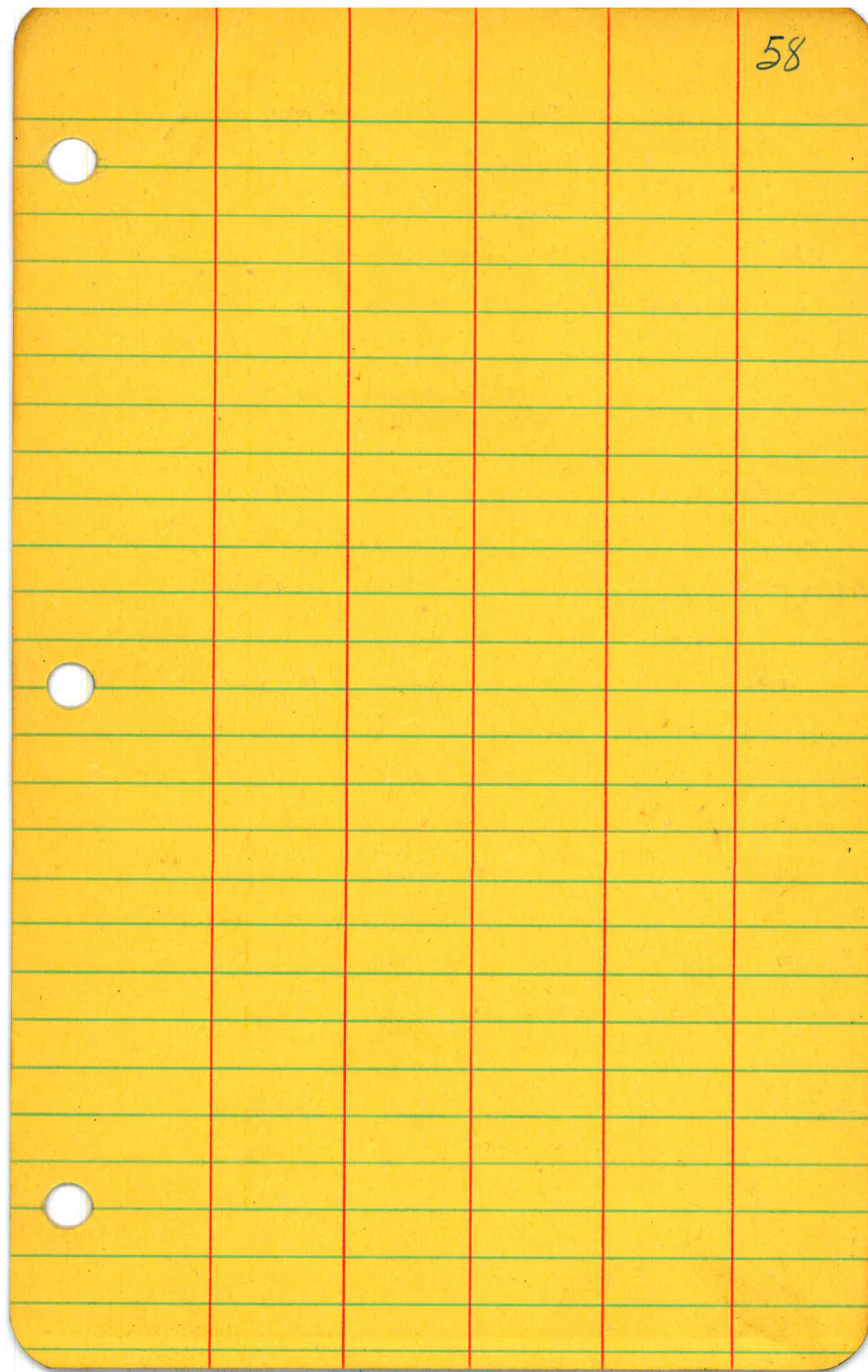
*Handwritten signature*

North Edge of Pavement

South " " "

Sta	+	T	-	Elev.
		1487.553		
400+00			2.0	1485.6 ✓
T.F.			0.707	1486.846
	11.120	1497.966		
+50			9.4	1488.6 ✓
401+00			4.3	1493.7 ✓
T.F.			0.566	1497.460
	10.900	1508.360		
+50			10.1	1498.3 ✓
402+00			5.5	1502.9 ✓
+50			0.8	1507.6 ✓
T.F.			0.700	1507.660
	9.605	1517.265		
403+00			5.6	1511.7 ✓
+50			4.1	1513.2 ✓

9  
 6  
 11  
 11



Sta	+	T	-	Elev.
		1517.265		
	T.F.		0.621	1516.644
		7.207	1523.851	
404+00			6.4	1517.5 ✓
+50			6.1	1517.8 ✓
405+00			5.8	1518.1 ✓
+50			5.3	1518.6 ✓
406+00			3.7	1520.2 ✓
+50			3.4	1520.5 ✓
	T.F.		5.360	1518.991
		0.478	1518.969	
407+00			2.9	1516.1 ✓
+50			4.3	1514.7 ✓
408+00			7.7	1511.3 ✓

*Revised*  
11-6-78

Field

Placed final location  
the McKens line  
as original

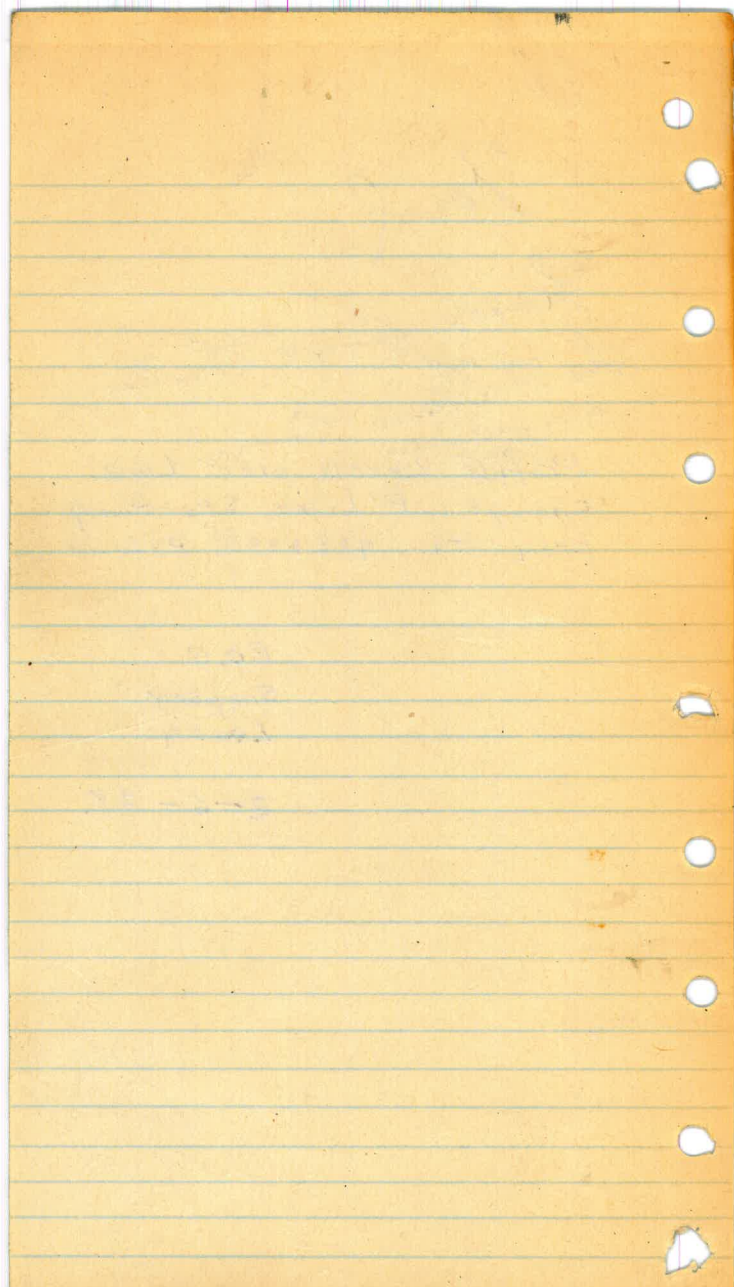
Profile Levels over Line  
change, P-Line, starting  
from Sta. 928 to 9<sup>65</sup> P-Line

P.O.G.

Simpson

Leach

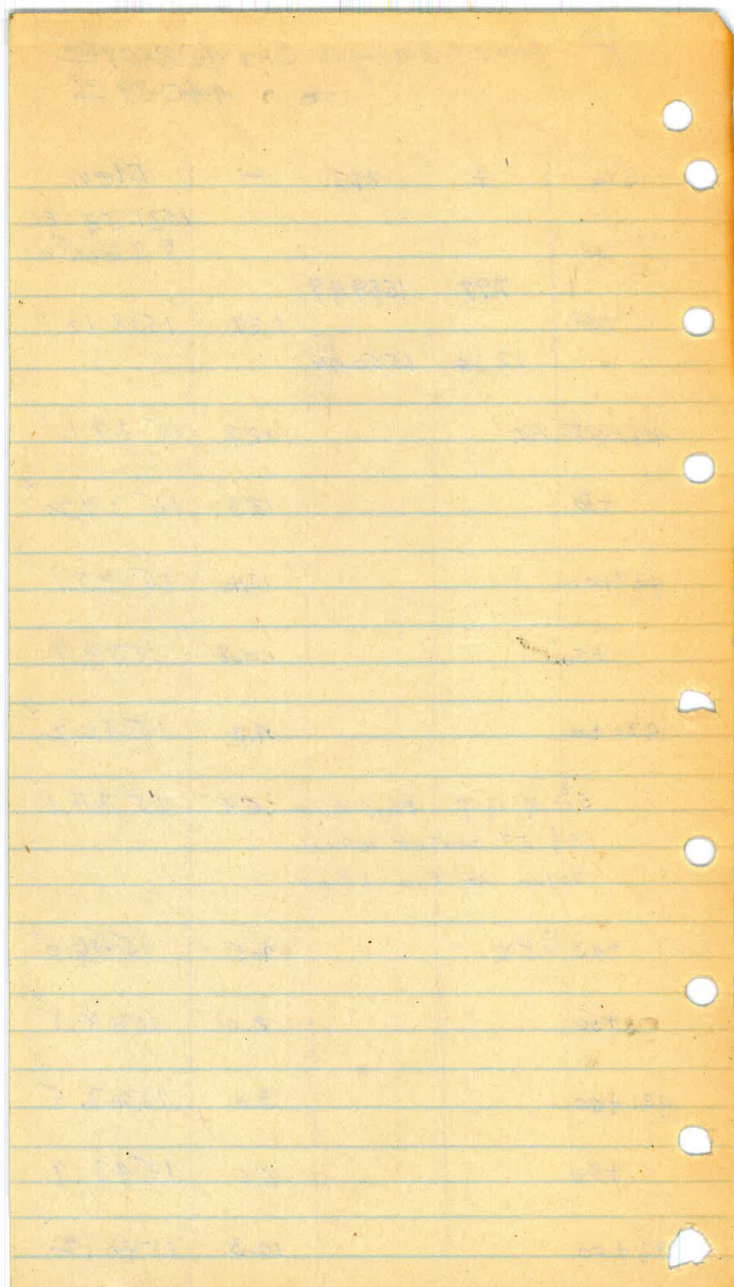
2-6-28.





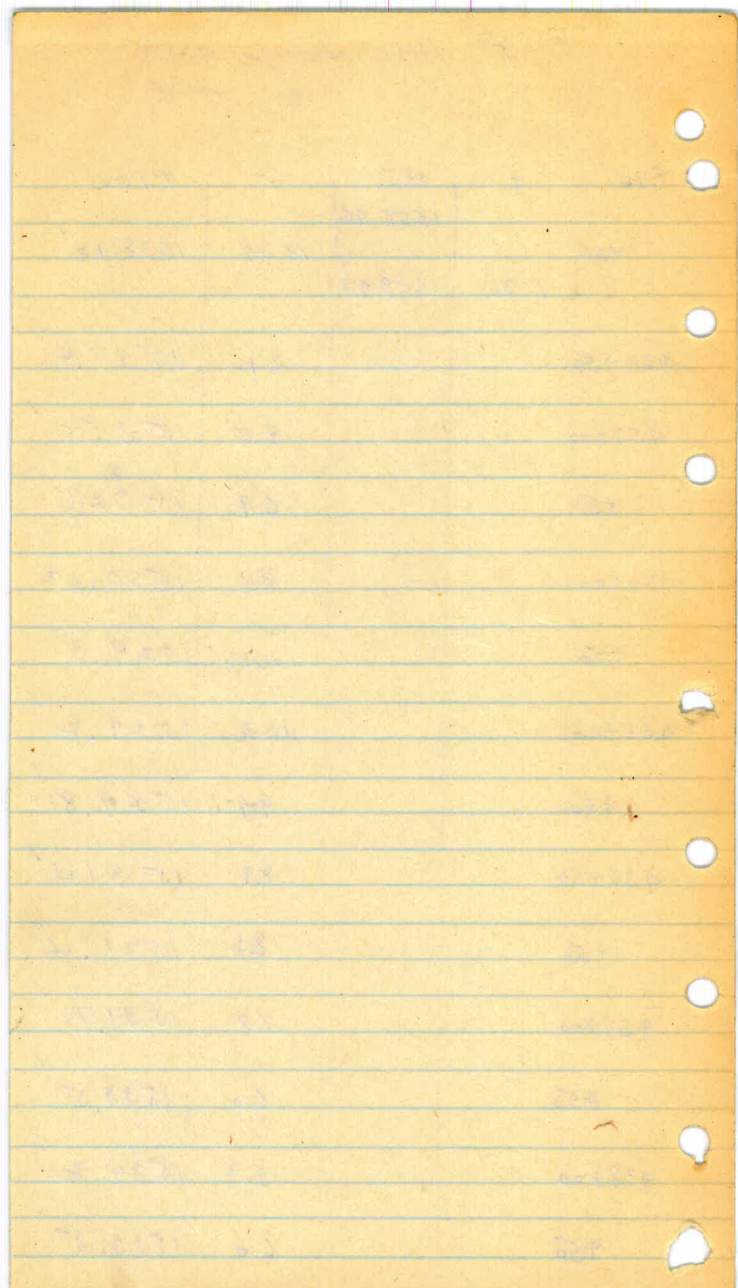
P line change Sta 428+09<sup>25</sup>  
to " 440+89<sup>02</sup>

Sta.	+	H.I.	-	Elev.
				1531.52 = E.I. S. D. B. M. 10
	7.97	1539.49		
IF			1.37	1538.12 ✓
	12.34	1550.46		
428+09 <sup>25</sup> P.I.			12.9	1537.6 ✓
+50			13.3	1537.2 ✓
429+00			13.4	1537.1 ✓
+50			10.8	1539.7 ✓
430+00			4.3	1546.2 ✓
5 <sup>3</sup> R. of E = Flow Line of 5" Water Main Valve At End of Pipe			6.9	1544.1 ✓
+03 <sup>13</sup> P.I.			4.5	1546.0 ✓
+50			2.0	1548.5 ✓
431+00			3.0	1547.5 ✓
+50			6.6	1543.9 ✓
432+00			10.3	1540.2 ✓



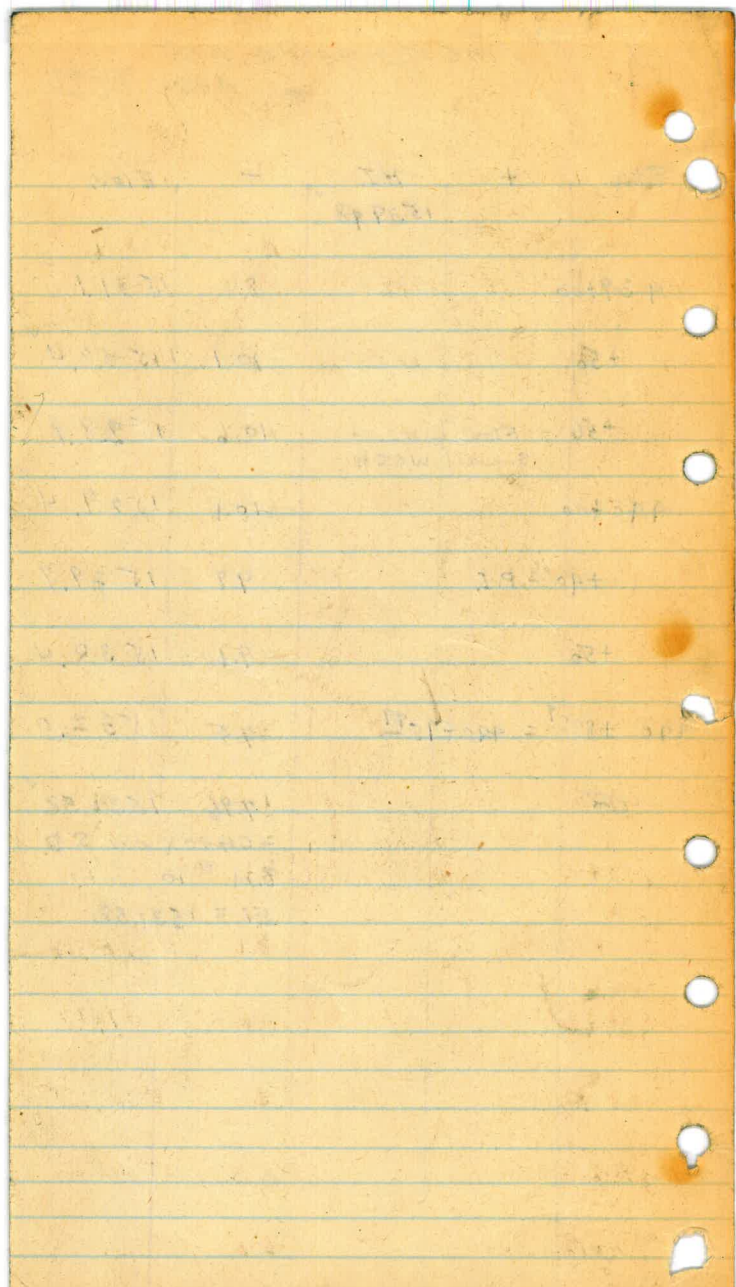
P' line change 428±  
to 440±

Sta.	+	M.I.	-	Elev.
		1556.46		
	7.5		12.34	1538.12 ✓
	1.36	1539.98		
432+50			2.1	1537.4 ✓
433+00			4.5	1535.0 ✓
+50			6.9	1532.6 ✓
434+00			9.0	1530.5 ✓
+50			10.2	1529.3 ✓
435+00			10.3	1529.2 ✓
+50			9.7	1529.8 ✓
436+00			8.1	1531.4 ✓
+50			8.1	1531.4 ✓
437+00			7.8	1531.7 ✓
+50			6.0	1533.5 ✓
438+00			5.3	1534.2 ✓
+50			6.0	1533.5 ✓

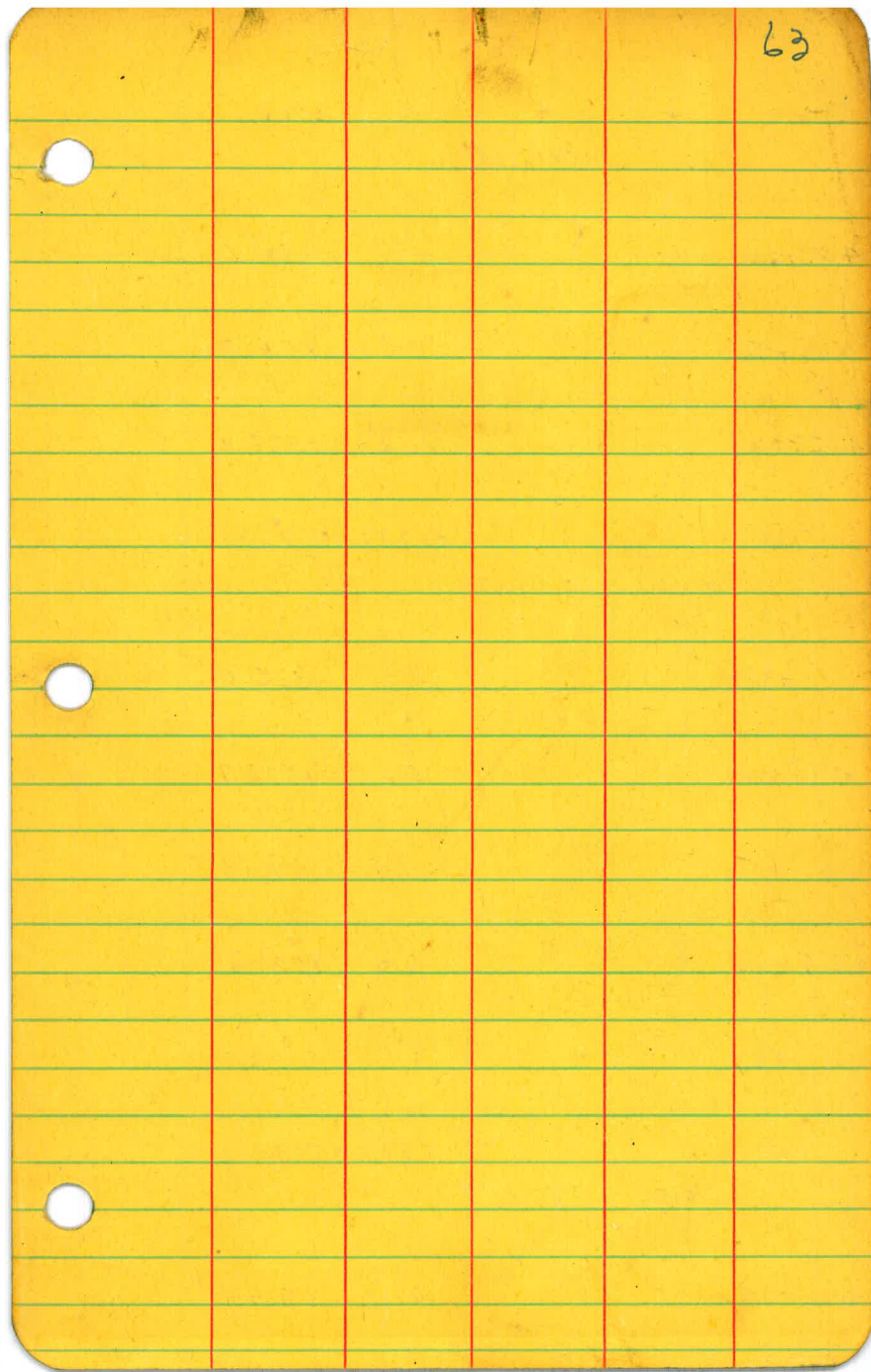


P'ime change Sta. 428<sup>+</sup>  
to 440+89.99

Sta.	+	H.I.	-	Elev.
		1539.48		
439+00			8.4	1531.1 ✓
+50			10.1	1529.4 ✓
+56	= Flow Line of Small Wash		10.6	1528.9 ✓
440+00			10.1	1529.4 ✓
+40 <sup>06</sup>	P.I.		9.8	1529.7 ✓
+50			9.1	1530.4 ✓
440+89 <sup>99</sup>	= 440+75 <sup>99</sup>		7.5	1532.0 ✓
<del>440</del>			7.96	1531.52 ✓
			= check on S.D.	
			B.M. # 10	
			Elev. = 1531.52	



63



Sta.	+	π	-	Elev.
		1549.218		
431+00			3.6	1545.6
+50			7.5	1541.7
432+00			11.2	1538.0
T.F.			11.731	1537.487
	0.840	1538.327		
+50			3.3	1535.0
433+00			5.6	1532.7
+50			7.4	1530.9
434+00			8.7	1529.6
+50			9.5	1528.8
T.F.			9.230	1529.097
	6.858	1535.955		
435+00			6.6	1529.4

*Handwritten notes:*  
 6  
 N



64

Sta.	+	π	-	Elev.
		1535.955		
435+50			5.3	1530.7 ✓
436+00			4.2	1531.8 ✓
+50			3.9	1532.1 ✓
437+00			3.5	1532.5 ✓
+50			1.4	1534.6 ✓
T.P.			7.433	1531.522 = B.M. # P-10
	7.501	1539.023		
438+00			3.9	1535.1 ✓
+50			5.6	1533.4 ✓
439+00			8.1	1530.9 ✓
+50			10.0	1529.0 ✓
440+00			10.2	1528.8 ✓
+50			8.1	1530.9 ✓

*Revised*  
*6/28*

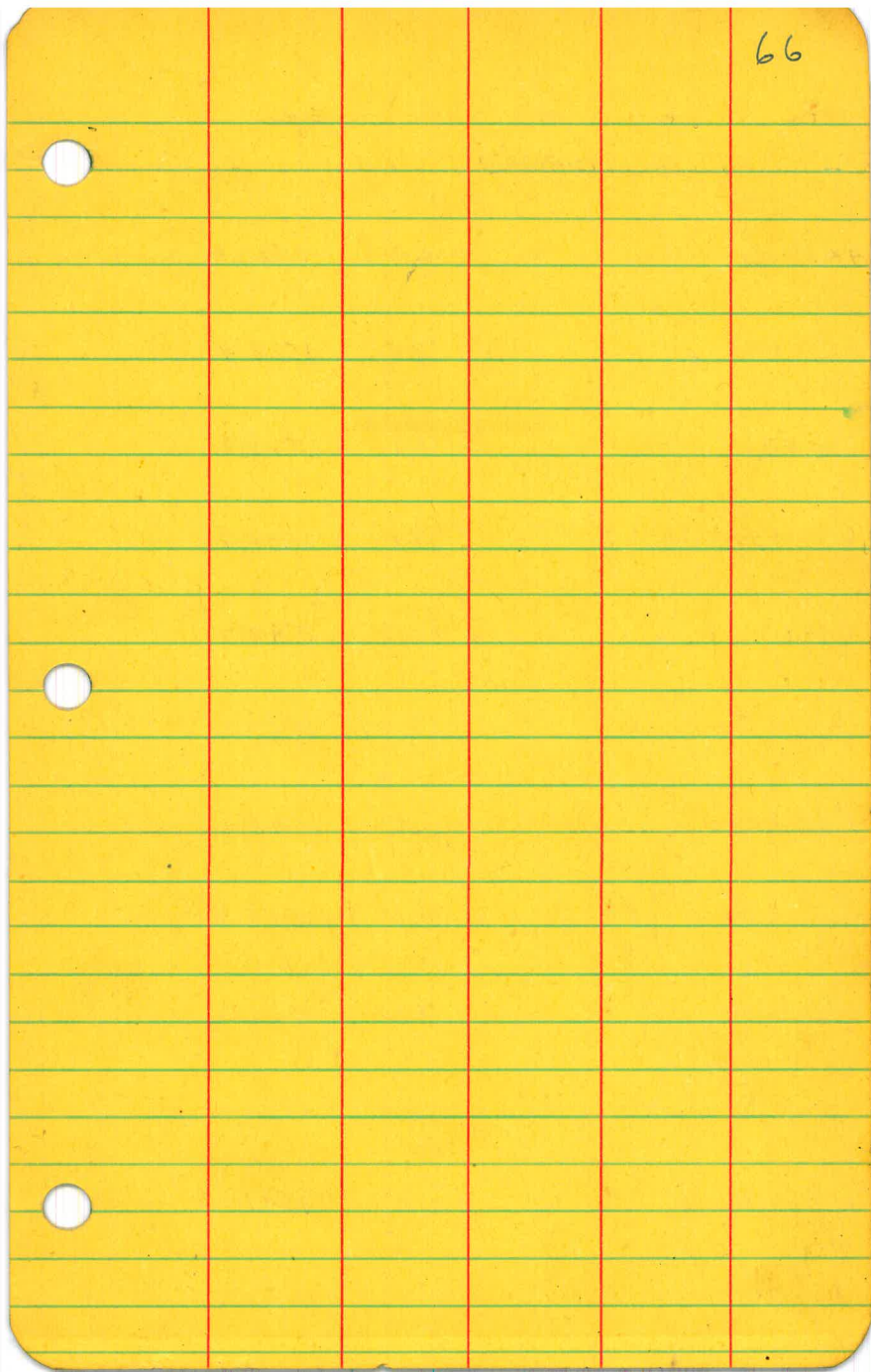
B.M. # R-10 - nail in large  
Euc. tree north west cor.  
of crossroads - 10' west of  
Sta. 440+25 -  
Elevation = 1531.522

center of Rd

Sta.	+	x	-	Elev.
		1539.023		
440+82	<sup>78</sup> P.I.		7.1	1531.9
441+00			6.2	1532.8
	+50		3.3	1535.7
442+00			0.7	1538.3
	TP		0.502	1538.521
	8.563	1547.084		
	+50		8.0	1539.1
443+00			5.9	1541.2
	+50		4.2	1542.9
444+00			3.7	1543.4
	+50		5.3	1541.8
	TP		5.508	1541.576
	6.727	1548.303		

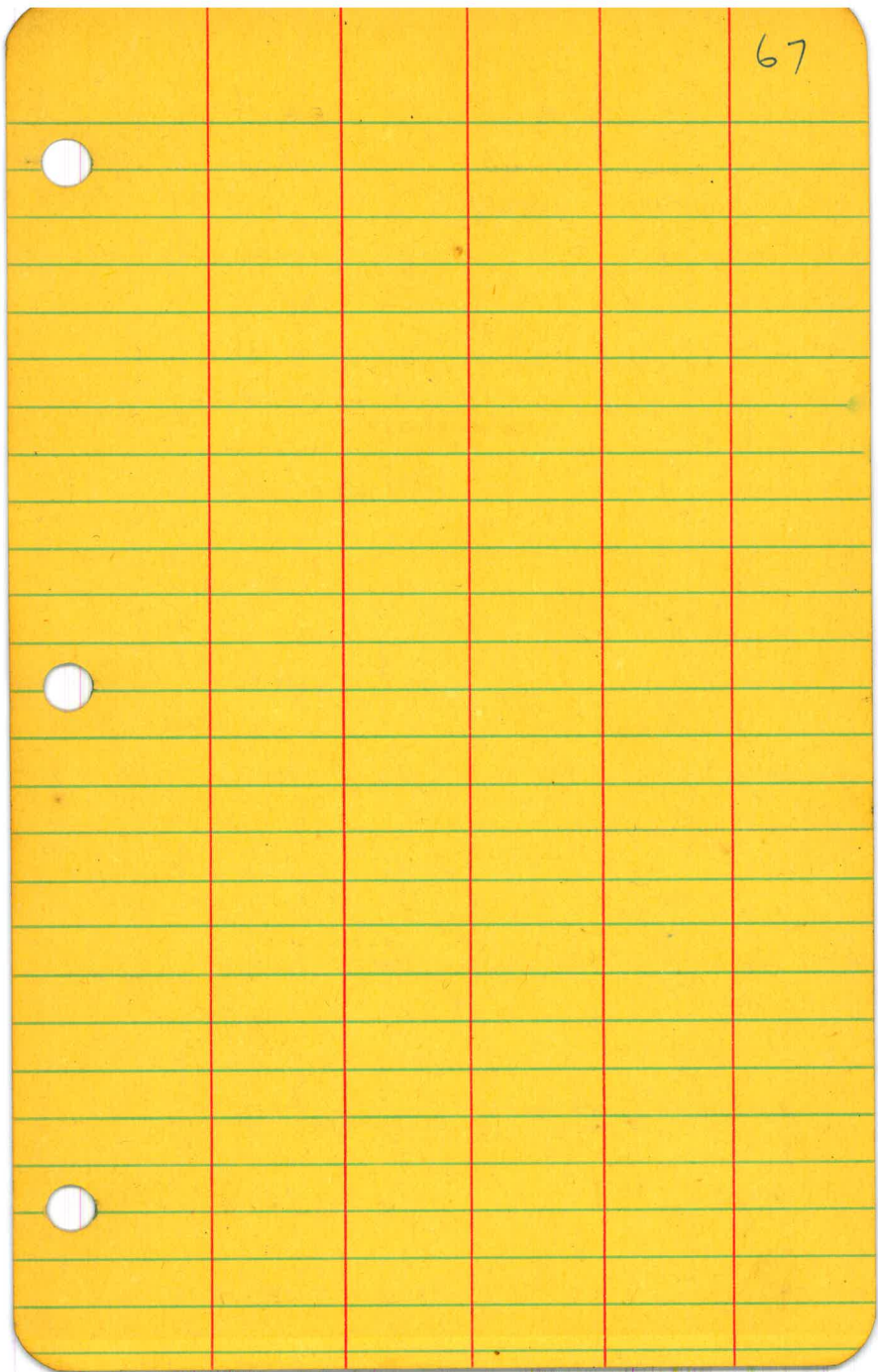
*Removed Jan 17/28*

66



Sta.	+	π	-	Elev.
		1548.303		
445+00			8.2	1540.1 ✓
	+50		9.9	1538.4 ✓
446+00			8.1	1540.2 ✓
	+50		9.1	1539.2 ✓
447+00			8.3	1540.0 ✓
	+50		6.0	1542.3 ✓
448+00			3.9	1544.4 ✓
	+50		3.0	1545.3 ✓
449+00			4.2	1544.1 ✓
	+50		5.2	1543.1 ✓
450+00			7.3	1541.0 ✓
TF			9.947	1538.356

*Revised  
Jan 12 - 28*



Sta.	+	π	-	Elev.
				1538.756
	1.570	1539.926		
450+50			1.1	1538.8 ✓
451+00			1.8	1538.1 ✓
+50			2.5	1537.4 ✓
452+00			4.7	1535.2 ✓
+50			5.2	1534.7 ✓
453+00			8.3	1531.6 ✓
+50			10.0	1529.9 ✓
454+00			11.6	1528.3 ✓
TP			9.712	1530.214 = B.M. # P-11
	0.437	1530.651		
+50			3.6	1527.0 ✓
455+00			3.5	1527.2

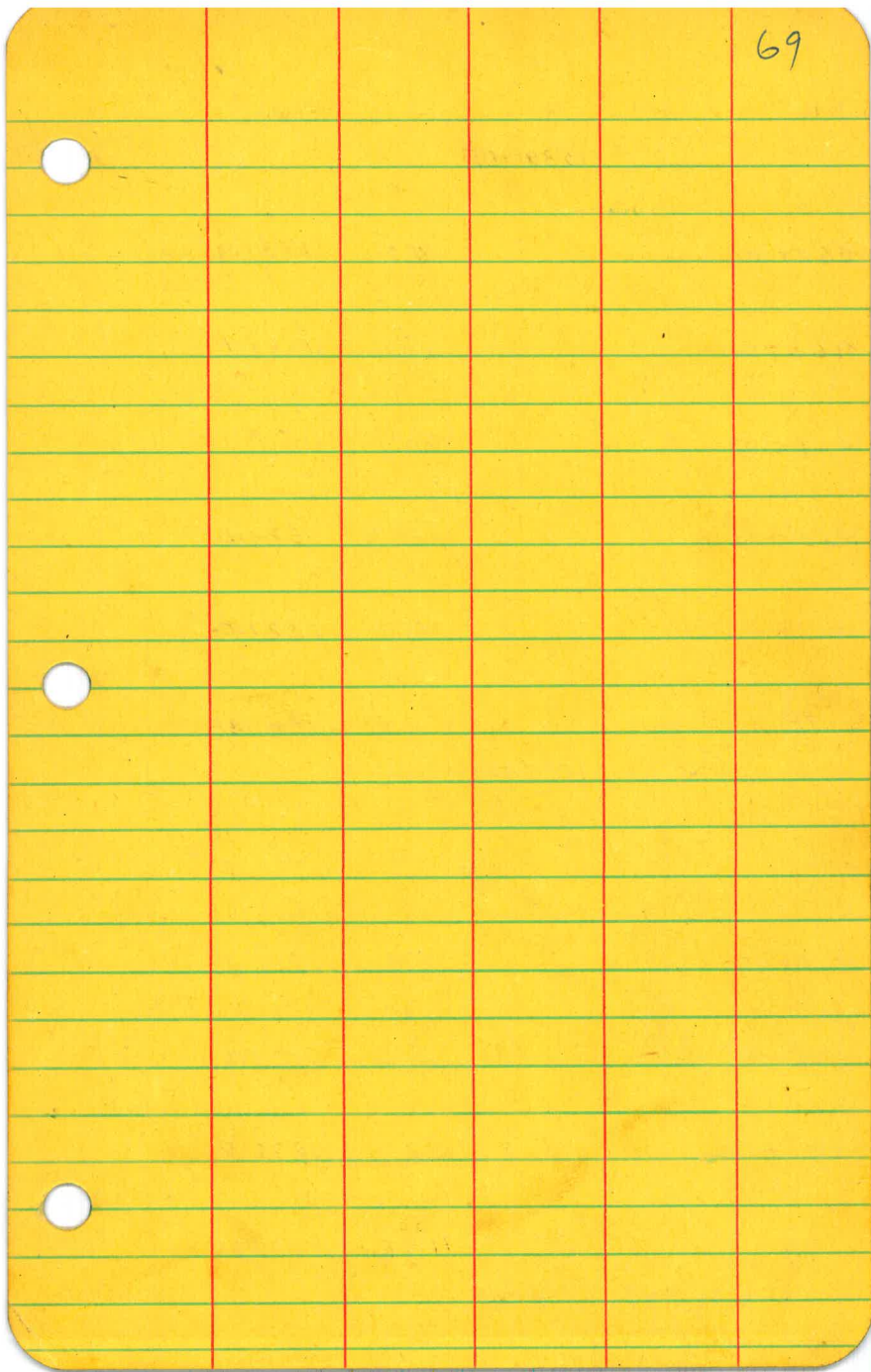
*Revised Jan 12 - 28*



B.M. # P-11 — Nail in Power  
Pole # 13830 — 40' East of  
Sta. 754+00 — Elev. = 1530.219

Sta.	+	T	-	Elev.
		1530.65		
455+50			4.5	1526.4 <sup>2</sup>
456+00			5.1	1525.5 <sup>6</sup>
+50			5.8	1524.8 <sup>9</sup>
457+00			7.5	1523.4 <sup>2</sup>
+50			9.6	1521.0 <sup>1</sup>
458+00			8.8	1521.8 <sup>9</sup>
+50			8.2	1522.4 <sup>5</sup>
459+00			5.9	1525.2 <sup>3</sup>
T.P.			2.420	1528.231
	10.920	1539.151		
+50			10.8	1528.4 <sup>5</sup>
460+00			8.5	1530.7 <sup>5</sup>
461+00			5.8	1533.4 <sup>5</sup>

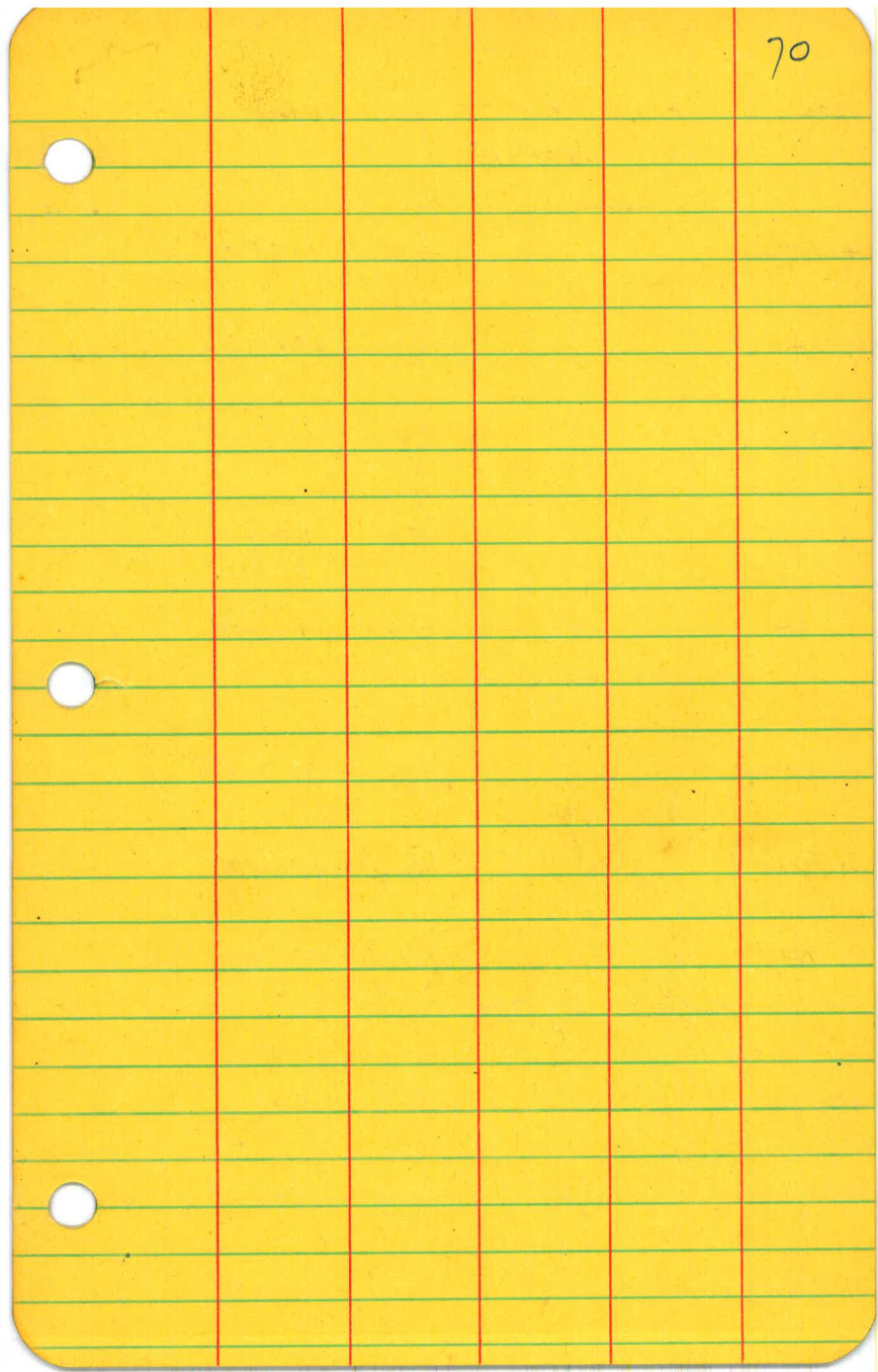
*Renard Jan 14 '20*



Sta.	+	π	-	Elev.
		1539.151		
462+00			8.2	1531.0 ✓
463+00			13.1	1526.1 ✓
464+00			20.1	1519.1 ✓
465+00			19.0	1520.2 ✓
466+00			12.2	1527.0 ✓
TR			9.105	1530.046
	5.376	1535.422		
467+00			3.2	1532.2 ✓
468+00			5.6	1529.8 ✓
469+00			9.6	1525.8 ✓
470+00			12.6	1522.8 ✓
TR			11.660	1523.762
	5.553	1529.315		

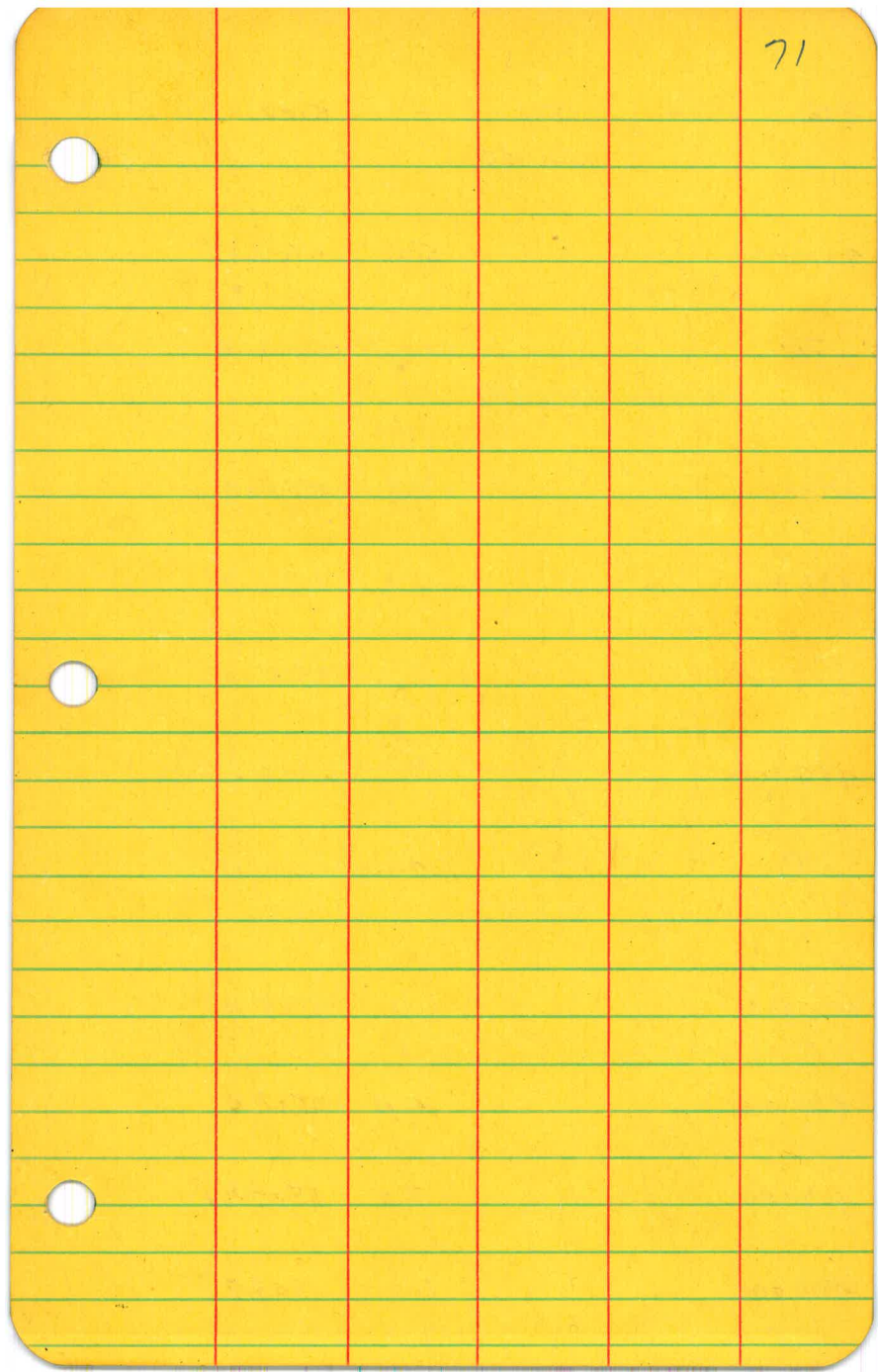
*Revised  
Jan 12 - 78*

70



Sta.	+	π	-	Elev.
		1529.315		
471+00			4.3	1525.0 ✓
472+00			3.1	1526.2 ✓
473+00			7.8	1521.5 ✓
474+00			15.0	1514.3 ✓
TF			12.462	1516.853
	0.427	1517.280		
475+00			7.8	1509.5 ✓
476+00			10.5	1506.8 ✓
TF			9.758	1507.522
	4.242	1511.764		
477+00			5.2	1506.6 ✓
478+00			4.4	1507.4 ✓
479+00			7.0	1504.8 ✓

*Summed Jan 12-28*  
*4.7*  
*1523.5*

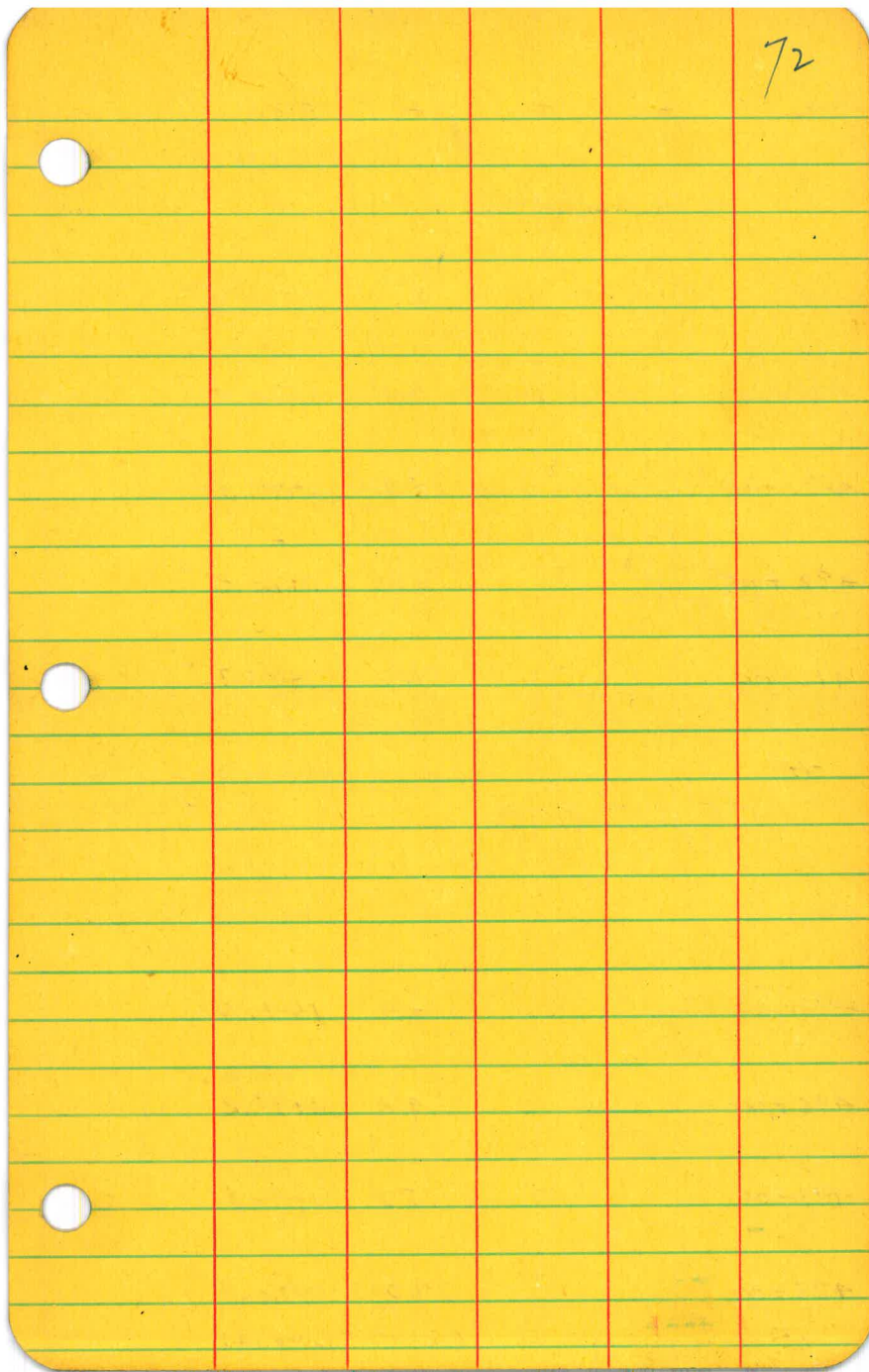


Sta.	+	π	-	Elev.
		1511.764		
480+00			5.0	1506.8
TF			1.060	1510.704
	10.740	1521.444		
481+00			9.4	1512.0
482+00			5.2	1516.2
483+00			6.1	1515.3
484+00			7.8	1513.6
TF			5.903	1516.041
	0.327	1516.368		
485+00			1.0	1515.4
486+00			4.4	1512.0
487+00			7.5	1508.9
488+00			11.2	1505.2
TF			11.988	1504.380

*Removal  
2/2-28*



72



Sta.	+	T	-	Elev.
				1504.380
	0.627	1505.007		
489+00			4.6	1500.4 ✓
490+00			5.0	1500.0 ✓
491+00			5.7	1499.3 ✓
492+00			6.8	1498.2 ✓
493+00			9.3	1495.7 ✓
See Preceding Page				
			68.28	1498.179 = B.M. # P. 12
	2.797	1500.976		(See Page 106 W)
494+00			4.4	1496.6 1497.6
495+00			4.3	1496.7 1497.7
496+00			4.8	1496.2 1497.2
497+00			5.2	1495.8 1496.8
498+00			7.0	1494.0 ✓
			6.835	1494.141

94

CHECK ON B.M. # Y-2 - E1 = 1430.12

5'x14' wooden Culvert

Sta.	+ T	-	Elev.
	1425.199		
633+00		9.9	1415.2 ✓
634+00		4.8	1420.3 ✓
635+00		4.7	1420.4 ✓
636+00		5.1	1420.0 ✓
637+00		3.6	1421.5 ✓
638+00		2.3	1422.8 ✓
T.F.	8.990	1431.749	1422.754
639+00		4.7	1424.0 ✓
640+00		5.3	1426.4 ✓
T.F.	8.080	1433.454	6.370 1425.374
641+00		6.6	1426.9 ✓

*Handwritten notes:*  
 1425.199  
 Jan 16 - 28

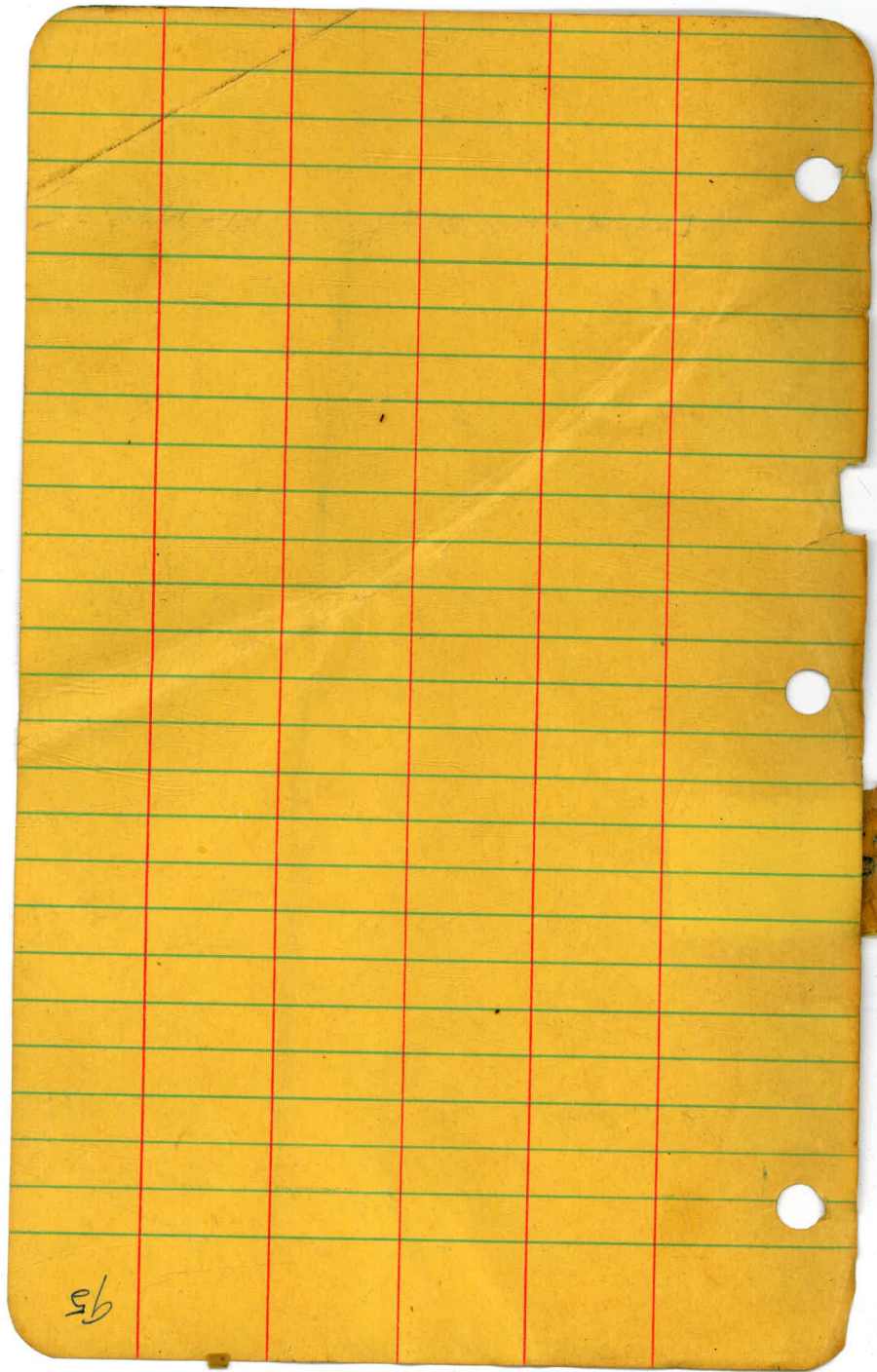
*Handwritten notes:*  
 1425.199  
 1422.754  
 1431.749  
 1424.0  
 1426.4  
 1425.374

93

Sta.	+	T	-	Elev.
		1430.782		
625+42	P.I.		2.1	1428.7 ✓
	T.H.		0.740	1430.042 Check B.M.
	1.080	1431.200		1430.120 = B.M. #4-2
626+00			3.7	1427.5 ✓
627+00			5.0	1426.2 ✓
628+00			7.7	1423.5 ✓
629+00			10.8	1420.9 ✓
	T.H.		10.766	1420.434
	4.710	1425.144		
630+00			8.9	1416.2 ✓
+50			16.1	1409.0 ✓ Flow Line
631+00			11.9	1413.7 ✓
632+00			11.2	1413.9 ✓

*See Yellow legal  
file*

*Good  
changed  
top sheet*



95

Sta.	+	T	-	Elev.	
		433.454			
642+00			5.9	1428.1	✓
643+00			4.5	1429.0	✓
644+00			4.3	1429.2	
645+00			3.5	1430.0	
TA			3.718	1429.736	
	1053	436.789			
646+00			6.6	1430.2	✓
647+00			5.3	1431.5	✓
648+00			5.9	1430.9	✓
649+00			3.7	1433.1	✓
148 <sup>63</sup> PI			3.7	1433.1	✓
TA			3.934	1432.855 = RM = P-5	