

34  
TRANSIT

398

W56

W. B. ELLIOTT

Page D - levels on R.P.s  
Morina Dam

## Index

Grade and Line - Barnett Drift Job 105 June 20-21, 12	1
Connection bet Barnett Drift and Harris Dam	2
Misc Data on P.C. Intake	3
Angle Notes for Sketch P.C. Dam	4, 5
Levels for new Cottonwood Intake	6, 7
Misc Notes for new lot. Flume	8
Misc Notes on Job 108	9
Reconnaissance Notes on lot. Flume	10
Tentative Report Job 108 Sept 6, 1912	11
Notes on Dutzgins Conduit Sept 1912	12-33
Material Used on Harris Conduit	34
Location $\frac{1}{8}$ Tunnel on Harris Canton Map (over)	35

Levels for Elevations of Conduit, Harris Dam & 105 drift (1910)	31
End Elevation of Filter Plant Bldg.	38
Chollas Waste Water Res. Traverse of Contours 5 & 10 Filter Plant	39
18" Tram for Chollas Filter Plant	43
Levels for Road Improvement Lyons Valley	46
Sketch of Barrett Waste Box	49
Barrett Drift	50
Survey of Ward Flat, Morena Dam	51
Survey of Harvey Ranch	56
Partial List of Lands conveyed by S.C.M.W. Co.	68

461 105.24

100.63

695 107.20

499 100.25

~~720~~

699

= RP #8

467 100.57 = RP #7

529 99.95 = RP #6

= RP #5

720 100.40 = RP #4

699 100.205 = RP #3

814 99.16 = RP #2

692 100.28 = RP #1

100.51 = Bm on 100' level - iron pin

C

Levels on 70' R.P.s Norma Damm  
11-4-13. Kresite Summit

109

1174

131 $\frac{1}{2}$

1165

349

1128

456

~~544~~ $\frac{1}{2}$

~~1041~~

641

302

372

538

454

D  
= B.M. + RP on 70' line = Iron pin in Belmont

544 $\frac{1}{2}$  = RP #1 70.925

= RP #2 69.86

= RP #3 69.16

= 70<sup>00</sup> B.M. east of Damm

Levels on 150' RP's Monrovia Dam  
 Nov 9, 1918 R. Monte Seth Swanson

68 1/2 155.09 1/2 148.28

~~277~~

232 154.68 1/2 278 152.36 1/2

256 154.92 1/2 232 152.36 1/2

618 159.28 1/2 182 153.10 1/2  
 408 155.20

E

Bm north side Spillway

274 1/2	RP #20	152.355
268	19	152.405
267	18	152.425
	= RP #17	152.365
230	16	152.355
231	15	152.375
230	14	152.375
232	13	152.365
233	12	152.355
234 1/2	11	152.340
234	10	152.345
228	9	152.405
	= RP #8	152.365
258 1/2	7	152.340
255 1/2	6	152.380
254	5	152.385
255	4	152.375
256	3	152.365
258	2	152.345
256	1	152.365

Bm mill west Dam

1  
Barnett Drift = job 105

Gave him a grade (2" per 100')

on portal grade 420

on grade 18<sup>5</sup>-in 4.17

Note: Roughly portal grade is 114  
below top of Harris Dam

Note: Portal grade 22 above water  
at end of dump.

Progress Aug 2, 12 31 in grade  
becoming sunny.

Progress Nov 1 58 in hard rock  
coming down. Whole face will  
be hard in 2-3 rounds more

Nov 20 62 1/2

Jan 1 78 1/2

June 20 & 21 1912 Unsettled.

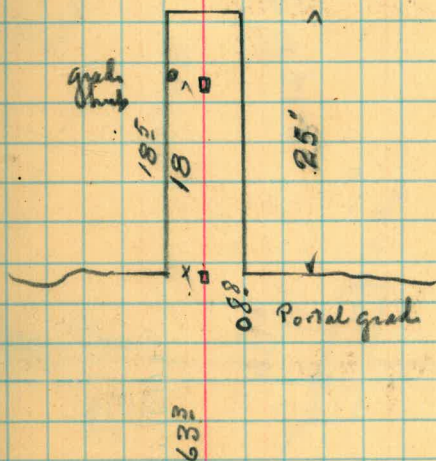
Set portal grade 88 outside portal  
on R+ side with drill hole above

Set center in roof 18' in from portal

Set chiselled cross 63 1/2 out from  
portal for ctr to set transit up over.

Set grade in 18<sup>5</sup> on left side

X Drift 25' in from portal hub on  
R+ side 1' up on June 21 1912



See following page

2

# Connection Between Barren Drift and Barren Dam

Job 105

Wed Jun 21 1912

From OS. Lett

Barren Drift postar grade

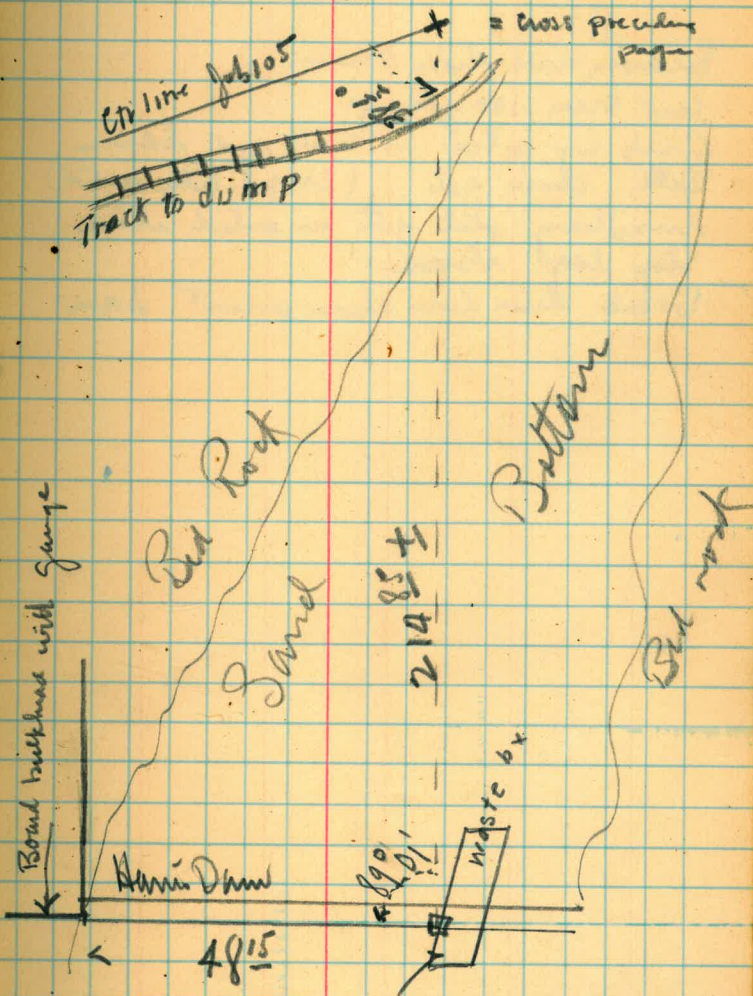
1913

Crest Barren Dam

212

§ Tunnel S Postar grade

57.71





3

Date P.C. Intake

June 21, 1912

Seaver will check dam.

cut trees 100 yds up.

Grub up 2 trees at north end dam

Both main gate. (larger) (better control)

Auxiliary plate gate on outside above.

Stop logs above

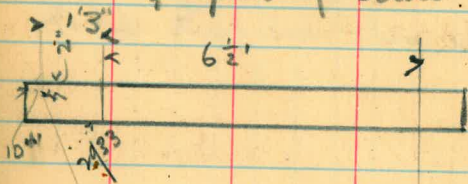
Break down dam above present dam

4

# Angle notes for sketch of PC Dam

Note: Instrument on final transit point of  
condemned traverse oriented to 2nd final  
transit point Mag Co = N128° E

This point on box cap supporting  
of operating screw of intake gate.



June 21 1912 Waukegan

K+ 68°46' 796' 11 1/2" = South end 1st  
flank beam

K+ 42°25' 2290' 2210 3/4" = North end 1st  
flank beam

✓ K+ 31°30' 4437' 2236 3/4" = South end 2nd do

K+ 45°36' 5793' 57 1/2" = North end 2nd do

X at 30' on this course to pt at 90° 13' dist =  
end of central bldr.

X at 37' on this course to pt at 90° 6' dist = outside axis  
of central bldr.

5

cont.

x L+ 19° 51' 51" = west end of axis of  
boulder.

L+ 17° 14' 55" = east end axis of do

R+ 8° 57' 62" = north end of  $\Delta$  rock

R+ 0° 28' 54" = another pt on do.

R+ 0° 05' 58" = " " " "

R+ 14° 50' 59" = west edge of bounding  
bldr.

L+ 10° 24' 9" = edge 2nd rock in  
spur of gate

L+ 13° 27' 21" = do.

Notes: 8' 4" from top sill to top  
6x6" supporting operating wheels.

13' ± on west dam axis cont  
= abutment on solid rock.

Top dam 5' 20" below top 6x6"

Top flash bld 37" below do.

Top bldr marked x on opp page  
2' below top 6x6"

Top of central bldr = 19" above 6x6"

Top of triangular bldr 6" above 6x6"

Top ditch wall 2' 4 1/2" below 6x6"

Flash boards in ctr of 2' crest.

Top sluice box in 1st dam 3' below  
top of dam

Top sluice box in 2nd dam 3' 8" below  
top of dam

Gate 4' 6" high = 4' operating dist.

6 Levels for new cotton wood intake

Aug 19 1912 West, Santa Barbara

1128 1510.82

= Bottom of low dirt (when regular part begins)

715 1514.95

= Top of low dirt lining (north side)

331 1518.79

= Top of gate Pile

7.1 1522.10 1515.0

= Sand outside gates (around 3/4)

404 1518.66

Spica

338 1521.44

231 1519.13

slump

260 1521.73

123 1520.50

rock

800 1528.50

206 1526.44

rock

1045 1536.89

044 1536.45

rock

~~31.53~~

~~10.08~~

		1536.45
11.31	1547.76	
		583 1541.93
6.58	1548.51	
		11.39 1537.12
6.65	1543.77	
		8.08 1535.69
5.34	1541.03	
		7.73 1533.30
12.66	1545.96	
		9.99 1535.97
3.78	1539.75	
4.632		5.27 1534.48
48.29		2.80 1536.95
45.82		2.73 1537.02
45.95		

Just on rocky point about 30 feet  
above stream bed. (near dry stump)  
rock

Spice

Time post in river bed.

Water surface at Salazar bridge dam site

Bm on tree = niche with nail

Bm = drill steel driven in roof of tree

8

## Misc notes on New Cottonwood Flume

All 2 preceding pages:

1510.82 = Bot Conduit  
 1534.48 = Water Surface New dam site  
 23.66 = diff elev.

1534.48 = Water surface dam site  
 1515.00 = Assumed elev same at sill of gate  
 19.48 = diff

3150 / 19480 (0.006184' per foot)  
 18900  
 5800  
 3150  
 26500  
 25200  
 13000  
 12600

006184  
 5280  
 494720  
 12368  
 30920  
 32651520 per mile

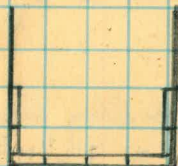
Price Same price 2x12 @ 40  
 Sill 4x6 20  
 Nuts 4x4 20

Work 8-19-12

4) 3150  
 788 sets of flume posts, caps & sills.

Sills 788  
 Caps 788  
 Posts 1576  
 Braces 1576

2x12 25200 lin ft. 2x12 Piv. 16 Bm' per  
 linear foot



3150

8

16 / 25200 linear feet  
 1575 pcs

On hand

Sills 455  
 Caps 110  
 Posts 757  
 Braces 700  
 2x12 4806 lin ft.

Deficiency

Sills 333  
 Posts 819  
 2x12 20444 lin ft = 41 M Bm. feet 640

6 M Bm ft. 174  
 4 M Bm feet 87  
 41 M Bm. feet 640

1901

1155

Freight

3056

9

## Misc notes on Job 108

P.C. Bridge:

Top operating stand to bot center trap  
 $= 13' 4\frac{3}{8}"$

Top operating stand to bot #1 (west)  
 $= 12' 11\frac{3}{8}"$

Top operating stand to bot #3 (west)  
 $= 12' 10\frac{7}{8}"$

Bit size =	1	$2' 3\frac{3}{4}"$	$\times$	$3' 6\frac{1}{2}"$
	2	$2' 1\frac{1}{2}"$	$\times$	$3' 2\frac{1}{2}"$
	3	$2' 4\frac{1}{2}"$	$\times$	$3' 4\frac{3}{4}"$

$2' 2\frac{1}{2}"$  top stands to top caps

Reconnaissance note on New Cottonwood Flume  
 Copied

Dist. across dam-site from tree to  
 north bank = 92 feet.

From present intake to dam-site above  
 = 3150' ±

Aug 18 1912 West. Macintosh.



11

Report Job 105 Sept 6 1912.

Amount

Amount of concrete lining 3" thick by 18" high  
as follows:

Rt Side:

Finished	1589	
Proposed		588

Left side

Finished	1244½	
Proposed		579

<u>2833½</u>	<u>1167</u>	<u>4000½</u>
--------------	-------------	--------------

Total

Amount of Plaster lining ½" thick by 18" high  
as follows:

Rt Side

117½

Lr Side

455 572½

Record of Amount this date.

Received from SO 395 also = 98¾ 5/16

Used on P.C. Dam  
on hand

600	
<u>81</u>	141

Amount received from SO 395 also

141

Used on concrete lining 254 also

254	2833½	(1115 ft per sack
	<u>254</u>	
	293	
	<u>254</u>	
	390	
	<u>254</u>	
	1360	
	<u>1270</u>	

1115	11167.00	(105 also required for concrete
	<u>1115</u>	
	5200	

5725  
15

28	625
<u>57</u>	25

858.75 @ 1/4" = 35.7 cu ft. and plaster 1/2" thick

2 to 1 plaster = 20 also for above.

105

20 125 okette order

12

notes on Dalgona Conduit

Worth - Smiley.

Sept 10 1912

Flume 5 Calk 1<sup>st</sup> seam up left side  
where dried seam shows leak  
having been.

Put posts under cups 3 sets near  
middle

Remove bottom on 1<sup>st</sup> seam up  
on both side

Three gals buttons are OK because  
they show the corners.

Tap over them

X D and 7" deep here in E most  
than cutting which made differ  
size  $\frac{1}{8}$  to  $\frac{3}{8}$  in

Tricks in good shape

Put cloth on posts & seals  
with thin brush

Burn out brush

Flume 4 - 5 are in plastering in this are on  
R<sup>th</sup> side

Small Soft plan at north  
with Flume 5 inclined

just a little working to do

Smiley Repair Box

Keep posts far from each

3 and 10" deep 6" net

Wall of old ditch a possible human  
posts show that earth lay under the

General

accident

Thru 4

Seams in both straps than on 5

Tighten up all belts

Put up place where 1912 accident

occurred

✓ Put in post on long uncompleted  
cap near South end

8 in sand 4½ wet

timbers in grass slope

fix up opposite side 1912 accident

Thru 3 - Thru 4 etc

Just a little wooding

Get off oak log south end

Thru 3

Clean up Square Flat

Thru 3

4½" sand - dry

1 Spar beam

all walking driven in

then out same

take up battens

back bottom

detach ground under north

30 feet of new main of plank

at north end

then inside

General

Tarring

Belt

Post & Sills

collect simple tool

14.

3-2 sec

7<sup>th</sup> west of Farm 3.  
 paste loosened  
 Band below same 20 feet of  
 plastic gone - cancelled this!  
 crossing below bar fire up  
 Put in ground nails.

### Wilson Creek Intake

Need bracing  
 Intake could be fixed with  
 concrete dam

Look over supports  
 X Transverse joint bad shape  
 Put gals rivet over joint  
 Put plate across top of joint  
 1 in inside

### Shim 2

There are no chits  
 Shim 4 1/2" deep deep  
 Some seams on right side  
 very bad. Fully 1/2" wide  
 Taking up chits at Soudan's  
 Spring Bay 4 center joint  
 are left in ground.  
 One pin has been endangered  
 by frost.

### Ground

Stepped siding would make the  
 lay on steps and tie OK  
 Tacking should be driven in  
 in beyond surface of boards  
 and pointed out with tar.

15-

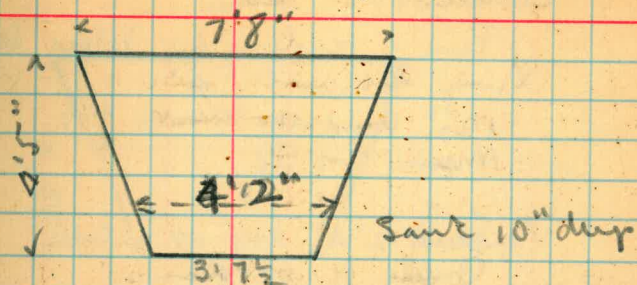
Sept 11 1912

## Pine Creek Ditch

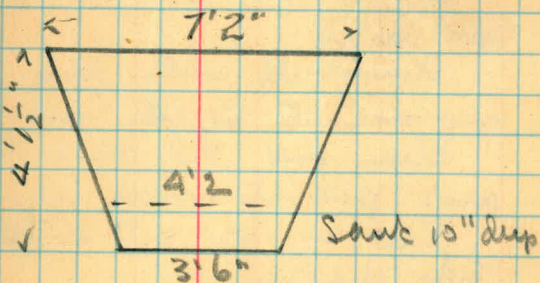
Ditch 100' below gate 9" deep - rubble  
 Ditch Improvements  
 Road Trail  
 Camp Work

Take out culvert near gate & seal  
 opening  
 Take out Smiley trap

Wrights



Section of Molony finished ditch  
 above Smiley failure of 1912



Section of Res finished ditch  
 at rocky point where road descends to  
 creek bottom. (Aug 1912 one)

16

## Cottonwood Intake

Piece of planting 90' below main  
 ring located 4'  
 12" sand at main ring  
 main ring OK.

Saw 2' 4" deep at intake  
 Intake a problem

The floor question and estimate

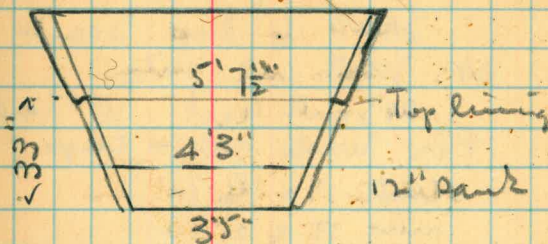
Saw outside gate 20" above  
 sand inside.

Questionable whether any temporary  
 improvements at gate would pay  
 clean out the sand chamber  
 and put into working order

Put in 12" sill on lower  
 side chamber.

Repair collapsed section below  
 gate.

Mean repairing plate 300' above  
 bridge



## Pe. Bridge

Saws 6" deep boards damp  
at north end bridge

at south end 10" (4 damp)  
Fix waste gate - traps

cut 18 x 2'8"

new 18 x 2'10"

8 1/2" hole

10 1/2" disc

1/4" plate

Remove side batten

Trusses are sagged 1 1/4" (Fix)

1 3/4" dam up = worst

Fix old caulking

4.1" USGS BM to better plane

Tighten bolts

Trusses 1 1/4" class

1-2 sec

take out nails from chamber

OK with a little mending

18

Notes *Dulzina conduct*  
Oct, 1932.

Flume 9 Saw 1 $\frac{1}{2}$  deep 5 cut.

~~Bad track upper board at  
deflection - call~~

~~Replace one board using board~~

~~Saw 1 $\frac{3}{4}$  deep 11 cut~~

~~All dry.~~

Side Flume saws in pin shape

8-9 on. Take out disintegrated dunn.  
2 or 3 rocks at 48 1 pin dunn

Flume 8 Side saws in pin shape  
cut a few at 2 cut.  
2 better better more up to  
at south end.

$\frac{3}{4}$  - 10 on 61+75 looks bad  
~~Disintegrated dunn at 63+71~~  
~~Slot at 3/4 south from cut.~~  
~~Dunn at 64+70. Remove~~  
~~from dunn~~

Bad looking lower dunn top at  
pin at 70+70

Red boxes with recording.



Rock at 72 + 00 will take some  
 day. Should remain with  
 ponds

83 + 00 2 small soft rocks  
 & remove

84 + 75 mass of 'doh' pulling  
 slab 30'

88 + 50 thin upper bank

89 + 00 both sides of sta  
 thin

Flume to about 3' deep dry.

sides seams OK

testings at south end back

bar - have seen mud cracks but  
 will stand a long time yet. Cause!

Big samples 1st class.

Porter's cells are clean.

went over flow any more seen  
 side have seen rocks.

bottom seems to have broken  
 this is a possible water gate site

~~91+75 - 92+75 - Rocks above  
the pit - shall be shot~~

~~95+15 - 502 - cyanite rocks  
on slope - plate shot. Slabs  
25' and 10' thick.~~

~~99+50 - big rock above must  
be shot here & some time~~

~~Remove  $\frac{1}{8}$  yd rock at 99+75~~

~~Small rocks will keep being down  
at 110 but will be no cyanite  
Ditto at 112, 113 and 113+80  
and 115+40~~

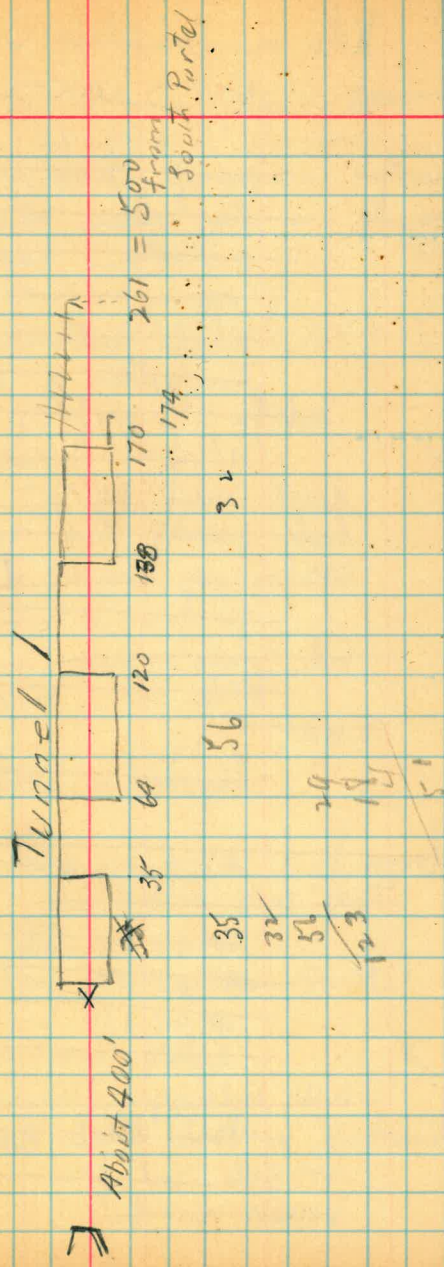
~~Tunnel~~

~~Small rocks slabbing at north  
portal 6" deep - at rock down in  
the 12 to 18" deep. Practically clear  
below here.~~

~~North Portal should have 11' of  
slabbing put in  
station tunnel with copper washers.~~

About 400' (see later measurements)  
roof is 15' high and at this point

slabbing should begin. From  
 here to north portal OK  
 —



Notes on Condition Dulzina Condensed  
Oct 2 1922 - Waste.

Flume

- Saw - view at north end
- Asphalten at north end
- on bottom has pulled off to
- down extent - portion
- white bottom was damaged.
- no bottom on outside on right.

Sidings 115 100 ft length.

X

15' from it was 2 bottom batters  
down most by  $\frac{1}{4}$ " -  $\frac{1}{8}$ " square  
hole results that no amount of  
packing up would stop.

75' from it was 2nd base up

Sidings made nothing

Break bottom on bottom near end

end.

Chy view at south end

Flume 1

42 + 50 one of 8 inches footing  
my wire washed out.

at 43 + 55 little

at 43 + 50 "

at 43 + 50 "

X

a little more washing that was

- will indicate flume

no clear connecting post

← Sills but from ground level  
raises mark

Warning of running planks across  
chips to rain at joints in the former.  
The approx with single planks. Work with  
any triple planking with joint or staggered

gather up suitable tools under flume

Must have been heavy  
leakage here

X also then footing on south!

X X Given Post - sill creating individual  
attaches

Altitude bottom except for side  
100' from 40 to 21

~~7-8 feet~~ Remain a few rocks.  
not dangerous although some  
rocks will come in at 39 yds.

~~Flaming~~ ~~3~~ Bottom path on outside of  
Substructure OK

~~5/8 - 7 feet~~ OK. no danger

~~5/8 - 1/2~~ OK

~~5/8 - 1/2~~ OK  
~~2~~ OK 2" clear since

### Oct 31st

~~Flaming~~ ~~1~~ Substructure. Down of the pier  
founded on hard & debris are  
precarious.  
Outside bottom are completed

X X South mt - parts north of  
has show decay. Posts remain  
and caps of wood deck -  
only place on structure

All evidence point to recession  
beginning of June bottom 1911 - 1912

22d

Only a few clasts at  
most are.

~~1-11 Oct OK~~

11-11 ~~no contact bottom no clasts.~~

~~Remains in fair shape~~

~~Fossils and thin in gold~~

~~shape 2nd stage thin~~

~~Small amount of red~~

~~Post lower fossils somewhat~~

~~Brown variety at south~~

~~cut - 132 + 130~~

~~11-11 ~~contact~~ contact: gale in on plane  
and on.~~

11-12 Oct. ~~Wholesale sliding - nature  
of ground warrants it. Dike pulling  
analysis shows hard disintegrable~~

11-12 ~~Structure of~~

~~Remains south.~~

~~in both directions.~~

~~Side on part.~~

~~no sand.~~

~~no clasts or red bottom.~~

11-12 - 132 OK

Rock at 132 + 130 should be

~~Remove~~

~~Pushing ground 16' will  
run to 16' with 10' 00'~~

~~will dig in~~

~~Ditto at 166~~

~~Rock at 166 + 60 run~~

~~road in - Remove~~

~~Ditto at 168 + 80~~

~~Remove rock at 188 + 75~~

~~Water found at 197 + 5' run~~

~~Case that is in late spring a  
few years.~~

~~2 bad looking rocks at~~

~~190 + 65 3/4 yd = 1 1/4 yd~~

~~Slope they want to~~

~~adverse 19' - 1 1/2' This is~~

~~South of 1 1/2' tunnel~~

~~Remove small floor stone 213 + 50~~

~~2-2 old st.~~

~~cut drains on that over~~

~~\* 2~~

~~\* 3 Trail into bushing. - 1 badly washed  
place near 95.~~

~~3-4 det. floor rock at 249 + 90 will  
come down eventually.~~

cut drains on at ~~side~~ side - hill  
that that have a grade -  $\frac{3}{4}$  tunnel  
\* 2 \* 4 Johnnie ~~car~~ road

~~Bad bedding point at 253~~

~~1/4 yd stone slab~~

~~Thin at 254~~

~~Remain stone above 257+1~~

~~and 258~~

~~Remain rock at 258-75 that has slipped to edge of ditch and is now supported by props.~~

~~Slabbing best mainly 259-259+50 - large rocks on each above~~

~~Remain small rock 260+25~~

~~Thin 262~~

~~262+75 ditto~~

~~263 ditto~~

~~264 ditto~~

~~Change all camp above~~  
AN Burn when no danger of fire.

~~4 Trail pretty good~~

4-5 ver. Slab 40' at 292

~~Balance ok~~

~~Remain rock at 45~~

~~Remain wood~~

Remain 5 a few disintegrated - ditto  
more in at south post. 4" South  
at south post.

Report contains no complete details slabs figures

Gen material 3-4 sec bedding  
overlying blue det. water (Kistner)

Gen for South back. - Burn material of no value in material piles, and straight across cap.



27

5-13 Sect - 1 in at 304 (25 yd)

Remove the top fine det at

305

think in detail 314

320 + 25

~~329 + 25~~ Possibilities of slippage  
with slipping in.

~~Ground at 330 + 50 is ok  
for several years.~~

Remove purple rock at  
331 + 25 (the purple group)  
1 in 337 (10 yds)

4 June 13

~~Bottom sealed & dented~~

~~Beaching urgent.~~

~~inlets & outlets on rock~~

~~caps should with 2 wash~~

1 on post as they should be

Side seams OK.

2" Oms

2 Bad wash under cement

lining at south end

with in contact with

stringer at north end

Improvement to 4' trail - widen  
short rocks.

304 - 815

Pitch men to speak of trail improvement  
slabbing, pins, trimmer, trimmer, parts

Weld Kobaco?

2, 48 Weeks on beam on everything south

Sale get details. summation of  
trimming & slabbing

20' slatting recommended at  
 north side of #13. with 8' spacing  
 wall 5' high protecting fence

13-14 sec. Run on proper str 338 to  
 slatting of entire section would  
 be well

Phase 14 - Outside slatting and cleats  
 earth in contact with fence  
 side at north end. nearly entire length  
 of phase.  
 earth should be lower in  
 kept there at this place because  
 it will ~~be~~ constantly torn down  
 some trimming of upper side  
 of benches on which this phase is built  
 advisable.

Five raised logs near north  
 end.

1" sand

side seems ok  
 but some footing ok but  
 leakage would be from fall to  
 latter.

But  
 for going to north at 358

Sattara has obliterated station no.  
 in 5 - Johnson from sec.

Breaks in 13-14-15-16-17 would  
 wash out county road.

Guidance of Kanney cattle at  
 Shuler house. Use dirt as pathway

~~Flume 14 15 feet~~

~~Slab of tree 346 (50 feet)~~

~~Make figure to show the cheaper method~~

~~system slabbing at 348~~

~~20' depth~~

~~Yup cut (thorough cut) slab from 361+76 to 363+25~~

~~368 to 373 red dot rock~~

~~improvement in location of slabbing and timing. This is about John Camp.~~

~~Flume 15 - Johnson Flume~~

~~no sand~~

~~2 meters had begun cutting today~~

~~Will slow up old section~~

~~asphalted rather water off~~

~~bottom~~

~~Did seams all the same~~

~~X met showing up while warm~~

~~concrete out 3' or more the seams will~~

~~be plastic in the asphalt~~

~~outside bottom to start~~

~~complete~~

~~upper pin 41374 to 41375~~

~~Ditto at 378+50~~

Tabulate water gates.

Fiber brushes for tanning see Ming Chandler

Tighten up bolts on all flumes and gates.

a little south on a margin

~~Shimmy under post at~~

~~376 + 85~~

~~Broken horizontal track at~~

~~376~~

~~Shimmy under post at 374 + 85~~

~~Aluminum sub structure in pin~~

~~OK~~

~~Should be brackets~~

~~aligning & struts paper~~

~~OK 8/18~~

~~Notes on Dutzman Van dent.~~

~~1~~ ~~Open out south. 752~~

~~slab 75~~

~~5 8<sup>th</sup> mile at 5<sup>th</sup> 211~~

~~Rocks in ditch below camp~~

~~Xing~~

~~Train at 439 + 75~~

8/18

~~Seams OK - no gaps~~

~~Outside bottom - that's~~

~~footings - trim OK~~

~~Bottom seams narrow in~~

~~this time~~

~~Brush on W side~~

~~August 19~~  
~~219~~

~~Outside bottom & chate~~

~~Spill on tin bins south chate~~

~~Spill on of Seacore all~~

alling bolts on

~~Repair Drains under mat~~

~~No work~~

~~Old valves for a little day~~

~~Repair bolts chate in places~~

o tar

~~Bottom or north chate & under~~

March 20

~~Outside bottom & chate~~

~~just a little work~~

~~Drains OK~~

~~Trim for a footing OK~~

~~Clear brush~~

March 21

~~Outside bottom & chate~~

~~Clear brush~~

~~a little work~~

~~Drains OK~~

~~Trim for a footing OK~~

March 22 = Bee Lanon

~~Outside bottom & chate~~

~~Trim a little work~~

~~Clear brush~~

~~Spill on 2" chate south side~~

~~Old Seacore for~~

32

Open cut #6 N.

~~elim chance of growth of  
weeds & trees.~~

~~Drive at end of concrete  
driving 4<sup>th</sup> layer.~~

~~a 3<sup>rd</sup> forms at the end of  
section.~~

Open cut #6 S

~~elim of weeds & trees.~~

~~Recommend to line with carpet~~

~~Use same back recommend sections~~

~~Remove Tank & pipe See earlier.~~

~~Remove Rail Fairings King~~

~~cut line.~~

~~15' - King deck~~

~~Check Ft. Outside battery - ok.~~

~~Tree base & footing ok~~

~~although they show wash for base.~~

~~Looks fair.~~

~~Block out~~

~~Remove loose material lining at 34 b.~~

Tool box. Same in good shape eg  
br.

Get list of tools & supplies in O'connor.  
Get of those needing repair.

33

June 16 Outside seats & batteries

~~side seats only fair~~

~~two bus & parking OK~~

~~clean bus~~

~~guide & package~~

Remove tick lines at 372+30

~~mass will come down from train~~

## Notes Nov 5/12

Marrow Walnut - Smiley used  
 20 pcs 2x12-16

~~Transp  
 Answer 65  
 1 pc 2x12-7 Pop  
 2 panels 3/4 2x12x16 op  
 1 old plank 2x12-16 op  
 1 " " " " Pop  
 Same per blocking value 20¢~~



35

Location of  $\frac{1}{8}$  Tunnel  
on Carr's Contour map  
of upper site.

Set up on  $\Delta 4+90$  of Stadia Base  
and foresighted on RP#1

Turned to left  $74^{\circ}28'$  to  $\square 1199+36.7$   
of Dulzina Conduit Traverse

Turned to right  $62^{\circ}42\frac{1}{2}'$  to  $\square 1212+01.6$   
of Dulzina Conduit Traverse

Set up on  $\Delta 12+22$  of Stadia Base  
and foresighted on  $\square 4+90$   
of Stadia Base.

Turned to R.  $44^{\circ}07'$  to  $\square 1199+36.7$   
of Conduit Traverse

Turned to L.  $52^{\circ}45'$  to  $\square 1212+01.6$   
of Conduit Traverse

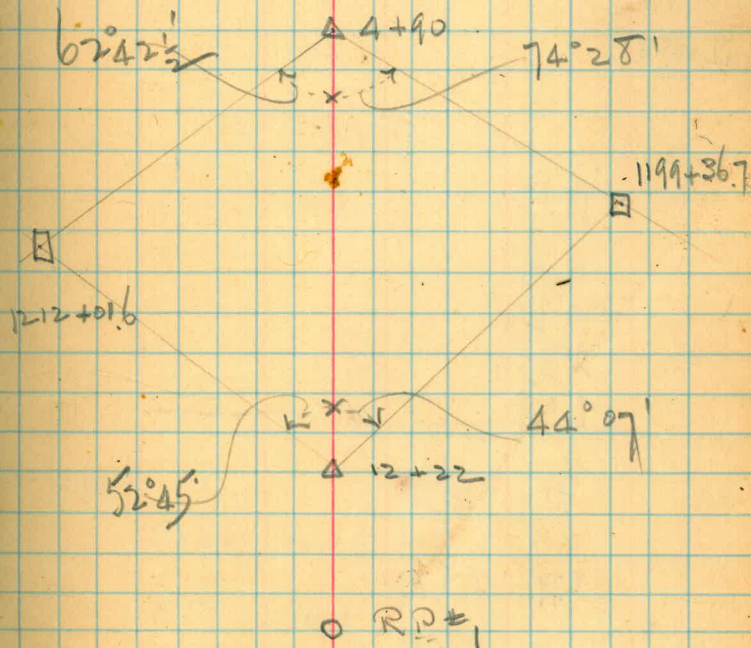
Then located  $\frac{1}{8}$  tunnel from Conduit Traverse

SS  $\frac{1}{8}$ 

Nov 25 1942

Waste Smiley with  
Fine weather

Stadia Base



NWT

36. Levels for Elevation  
of conduit, Basin Dam  
and 105 Drift.

Bm	10.75	6048			49.724
	742	67.09	081	59.67	
Grade at 85			438	62.71	✓

Grade at 10			940		
			470		

	18.17		995		
	5.19		519		
	12.98				
	29.73				
	62.71				

Bm	590	55.63			49.73
			1120	44.43	
	0.79	45.22			
	0.49	34.06	1165	33.57	
	1.48	24.69	1085	23.21	

Basin Dam Jan 15 1913  
White Sulphur

We thin as 5' above conduit floor at 85  
= bottom of ditch at this sta.

= bottom of ditch at this sta.

= top of gauge (gauge line to top and south)

37.

2869

592

491

120 22.44 345 21.24

073 14.83 834 14.10

1180 21.93 470 10.13

1206 33.45 054 21.39

1134 44.70 009 33.36

1066 51.83 353 41.17

808 59.79 012 51.71

1005 44.74

~~1458~~2821  
452  
1871

1877

= 1 foot mark on bogam.

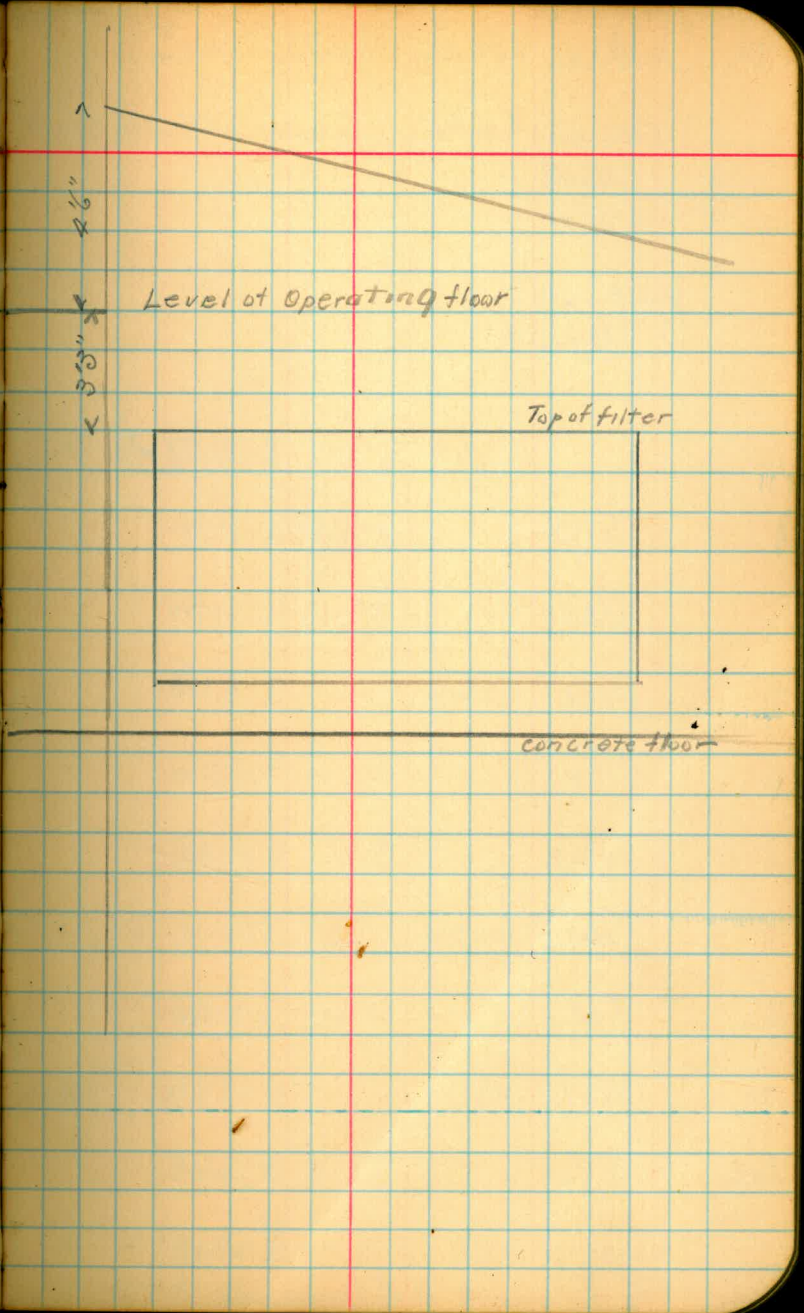
= Top Barrio Dam

= Portal grad of Barrio Drip Southside

4473 = ~~BM~~ ✓

36

End Elev of Filter Plant Bldg



39. Chollas Waste Water Res. I.

Traverse of Contours 5 and 10 Filter Plant

Waste Water Reservoir March 22 1913

Waste  
Huffman

5' Contour

Shawers

10			8757	N 23 2 E	✓
9	670		4728	N 85 55 W	
8	344		5242	S 47 07 W	
7	291	3106		S 53 6 E	
6	556		13337	S 25 31 W	
5	220		3515	N 71 54 E	
4	541	14632		N 36 39 E	N 36 35 E
3	509		14522	S 31 W	
2	487	1855		N 37 49 E	
Sta 1	373		5414	N 56 44 E	
				N 23 0 E	

Sta 1

↙ Magnetic corner of axis of Dam  
and assumed the same of ditto

12	278		4811	N 056W	
11	431		4204	N 4907W	
10	699		17045	S 8849W	
9	586	12255		S 8156E	
8	674		6245	S 4059W	
7	715		3839	S 2146E	
6	496		4121	S 6025E	S 6030E
5	390		3622	N 7814E	
4	454	13523		N 4152E	
3 1/2	255	2949		S 245E	
3	1014	1011	16139	S 2704W	
2	1283	2529		N 3931E	
Sta 1	414		6236	N 6506E	
				N 230E	

Wesley Hoffman

March 23 13

97.6 10832

S735W S7355W  
N230ETo CP below dam-site on 10' contour  
from Sta 10-1

86.0 9452

S8738W S8740W  
N230ETo CP below dam-site on 5' contour  
from Sta 5-1

✖

45.0 1308

S8127W S8120W  
N1525WTo CP below dam-site on 5' contour  
from Sta 5-10

✖

49.3 2626

S682W S6825W  
N8452WTo CP below dam-site on 10' contour  
from Sta 10-16

16 8723 N231E ✓

15 744 5140 N8452W

14 484 3521 S4328W

13 20.1 10015 ~~10015~~ S7849W

N056W

Notes gully intersect fence 293' from  
2' offset into a axis of dam site

Measurements across axis of dam

10/16 4.8' 5/083' 1307 5/1 422 10/1

Dist. across <sup>34</sup> lower <sup>32</sup> dam site 5' center 585  
10' center 952

Notes cont. April 6 1913 Wreck Kuba  
Dist. bet. sta 5 to 2' offset north of  
fence-line on axis of dam = 11.5'

Dist. from 2' offset on axis to 2' offset  
= 206.2'

8457

N 143W N 135W

at cor offset to 2' offset west of fence

8544 N 88 14E N 88 40E

To 2' offset at fence on N side in trench

N 230E

Set up on intersection of axis and 2' offset on north  
side fence



## 18" Truss for Cholla Filter Plant

Notes

Use 4x6-20<sup>s</sup> for stringerUse 6x6-18<sup>s</sup> for posts

Grade of Truss = 3" per 100'

Caps to be 6x6-3'2"

Cross planking 1x2-3'6" also amount for ties

Batten posts  $\frac{3}{4}$ " per foot

Posts 2'2" ctr to ctr at cap.

Apr 6 1913 West, Kusba, Bent

Bent #8

Bent #6

Bent #5

Bent #4

3'2"

Bent #3

Bent #2

Bent #1

10

10

10  
Wall of Bldg

10'

9'3"

9'3"

9

9'3"

7

9'3"

5

9'3"

3

9'3"

1

Block and filter 10

Block and filter 8

Block and filter 6

Block and filter 4

Block and filter 2

filter nos

North side

Sands for Filter Plant Train

066

916

535

310

174

102

342

842

850 assumed this

Apr 6 1943 Wriston Kaska

top of filter  
on concrete floor

on #7 Bin

on #6 "

on #8 "

on #9 "

on #5 "

on #4 "

Dr. Filler 009

Dr. Filler  
at sta 9

0442

850 "

assumed the top filter

Levels for Filter Plant Train

South Side

0.75

Blot 4

5

6

7

8

Blot 8

9.30

7.95

7.03

1.40

1.14

0.48

0.46  $\frac{1}{2}$ 

apr 6 1913 Ernest Krebs

850 ~~assumed~~ <sup>was</sup> on Filter

on counter

467 Search for Post Improvement

Sycamore Valley April 10 1913

178	201.78		
		1162	190.16
046	190.62		
		1109.	179.53
017	179.70		
		1180	167.90
451	172.41		
		039	172.02
650	178.52		
		631	172.21

~~13.42~~

~~41.21~~

~~13.42~~

~~27.79~~

~~172.21~~

~~200.00~~

783'  $\overline{) 27.79}$  = grade  
 2349  
 4300  
 3495  
 3850  
 3915

Rough length = 783'

Diff Elev = 27.79'

Wrest. Keeler

assumed elev of bench at Sharp place

47

## Grade Stakes for Pounding Paqn 2

0+00	1127	1127	000
0+50		950	
1+00		772	
1+50		595	
2+00		417	
	1013		000
2+50		836	
3+00		658	
3+50		481	
	1179		000
4+00		1001	
4+50		824	
5+00		646	

Precision levels. April 10 1913  
West Kuba Swan.

0+00	1127	1127	000
0+50		950	
1+00		772	
1+50		595	
2+00		417	
	1013		000
2+50		836	
3+00		658	
3+50		481	
	1179		000
4+00		1001	
4+50		824	
5+00		646	

48

1050

000

5+50

873

6+00

695

1159

000

6+50

982

7+00

804

463

000

+50

286

8+00

108

1050

177

173

178

695

1159

177

982

178

804

463

177

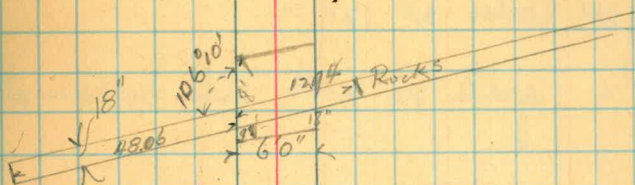
286

178

108

49

Sketch of Barnett Wash box:



level note

on bot box 508

on top 4x4 251

on top dam 267

on 1" mark 405

on bot box 8" mark 518

from

Box 2x6

31
1806
1394
2800
4100

50

Barnett Ditch

gave center at 129 $\frac{1}{2}$

" grade on north side bottom at 137 $\frac{1}{2}$

422

= Portal grade

400 = margin at 137 $\frac{1}{2}$

August 8 1913

Wrest, Kuba



51 Survey of Ward Flat, Monna Dam

Sta Dist Lt Rt Calc mag

8

8-7 3397 229 S35-04E

7e 6600

7d 9413

7c 13033

7b 15447

7a 17745

7

6-7 559.1 2544 S37-33E

5-6 3942 2143 S11-49E

4-5 849 6000 S9-54W 2750 W

3-4 4030 1523 S50-06E

2-3 2350 8724 S65-29E

Sta 1-2 1173 S220W S220W

Sept. 18 1913 Wreath, Swenson, Grosse.

Station Vert. Declination 229 ft 1400

176 +200 CP west edge grain pile

54 -200 CP on north end porphyry ledge

185 -200 CP in road to Camp

118 -410 Ch. Monna intra gate

123 -525 Junction Ward Flat's Camp Road

= hub of banner and Ward Flat.

= hub west side camp road.

= hub west side camp road where Ritchie tent stood.

= hub east side camp road

= hub east side camp road

= hub west side camp road in gulch

Setting over stake on 150' contour where same intersects section line behind Sam. = Sta 1

Sta	Dist	ht	Rt	Station	Veget angle	
52.						538304E 14151
8n		727		100	+105	CP on wash (south end) flows north
<del>8f</del>						
8m		11044		113	+130	CP on porphyry ledge
8l		14710		166	+115	= ctr of Rock Hill = also CP on ledge
8k		14528		<del>238</del> 138	+140	Proposed ctr of proposed house about 40' x 40' S 80° E
8j		16725		240	-120	East end of saddle of spring = also CP at outlet of spring
8i		17500		233	-124	West end of saddle of spring
8h		15310		197	+040	cor impaction fence
8g		13300		223	+310	cor hay stack fence
8f		12438		192	+400	cor hay stack fence
8e		11711		270	+430	<del>CP field</del> cor hay stack fence
8d		11254		<sup>+44°</sup> 245	+450	CP field = cor of hay stack fence
8c		5814		<sup>+49°</sup> 250	+507	CP west edge field
8b		3811		173	+240	CP west edge field
8a		3110		270	+315	CP west edge field

535-04E

53

Sta	Dir	ht	Rt	Lat to	Mag to	Stations	Vert angl.		
10 g			14228			415	+100	= CP on field	
10 f			9005			333	+320	= CP on field	
10 e			7430			<sup>416</sup> 477	+535	= CP on field & outside fence	
10 d			4118			465	+130	= top outside fence at throat	
10 c			4752			262	+105	= top of inside fence	
10 b			1900			457	+105	= top of inside fence	
10 a		246				480	+100	= SE top of inside fence	
□ 11 - 10	4698	132		S38-27 E	S4005 E				
<hr/>									
□ 10									
□ 10-8	5962	151		S36-55 E	S3830 E				
8 R		17534				312	-307	= CP in wash	
8 q		16410				250	-170	" CP in wash	
8 p		14012				48	-416	= CP in wash	
8 o		2800				118	+130	= CP in wash	
				S35-04 E					

54

Sta	Dist	Ht	Rt	Calc
13-12	5358		918	S30-49E S2230E

12

11f	4150		373	+155	= CP at edge brush
11e	6446		425	+130	CP on outer fence
11d	11550		297	+050	CP on outer fence
11c		8657	325	+246	= CP on fence line (outer)
11b		5052	340	+240	= CP of field & on fence line (outer)
11a		1151	295	+150	CP of field & top of outer fence
12-11	3883	1040			S40-07E

11

10A	<del>14938</del>	14938	74	-045	= top of main fence
10j	14258		275	-053	= top proposed beam 20 x 25 = top 10
10i	11055		231	+045	= intersection of inside & outside fence
10h		17131	278	-215	top main fence

S38-27E

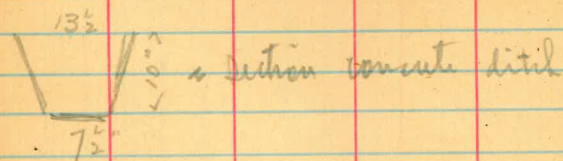
55

Sta Dist Lt R Cal to May to

13 f	14303		395	+045	= W on outer fence
13 e	8107		205	+150	= SE cor outer fence
13 d		342	164	-020	= W on brush line outside of fence
13 c		<del>4727</del>	66	+245	= SW cor outer fence
13 b		9126	103	+235	= angle pt on side fence
13 a		17136	390	-040	= W outside fence TEP on brush line

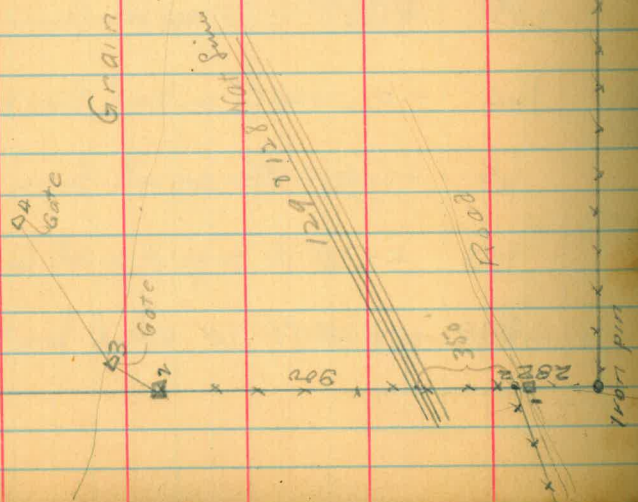
□ 13.

56 Survey of Harvey Ranch



406'

Grain Field



concrete began  
Sept 2-3 1943.

98  
142  
13

/ / / / / / / / / /

/ / / / / / / / / /

/ / / / / / / / / /

255

/ / / / / / / / / /

2640

2750

/ / / / / / / / / /

12

/ / / / / + 12 =

2762

North

/ / / / /

/ / / / / / / / / /

/ / / / / / / / / /

2139 Rt 148 K2055 E

443 K54 20 E

K3815 E = line of trees in east orchard

concrete ditch runs parallel to corner 6-8 ditch 15' south

area for West limb 2

900.1

W S.O. Road to Fence for W limb

25.4

SW cor to W S.O. Road

282.2

SE cor to SW cor

2762.2

57

Stadia to Compass notes.  
Harvey Ranch.

See page 56

Sta Dist Lt Rt Cal to Mag to Stadia

N 7150 E

75

= SE cor wagon shed

N 6225 E

35

= SW cor wagon shed

N 4845 E

20

= SE cor Barn

N 8620 W

45

= SW cor Barn

Q8

N 6705 E

245

= wall south of barn.

N 2030 E

E

= Ch. toilet

N 3545 W

127

= SW cor Loggia Porch

N 2030 W

110

= SE cor Loggia Porch

Q6

N 205 W

159

pointing to Q7

= junction of orchard - grass fill road

Q5

N 255 E

92 ✓

= N.E. cor West orchard

Q4

N 1330 E

184 ✓

= Gate on north line of grass fill

Q3

N 5020 E

443 ✓

= Gate near creek on south line fill

Q2

2139

N 2055 E

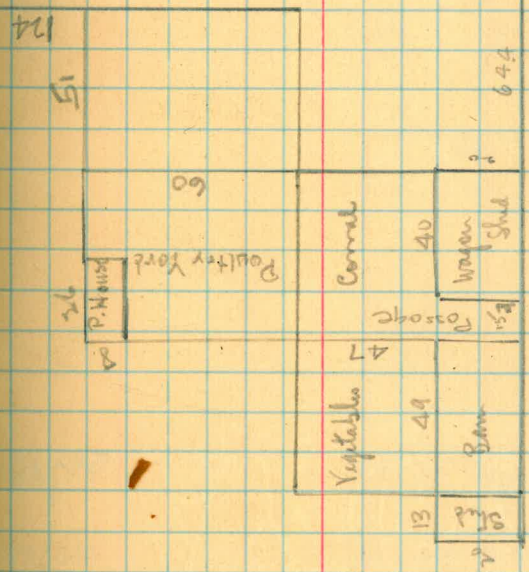
148 ✓

= P on N-S fence

Woods Loggia

Sept 23 1913

North property fence? Res's



Sketch of Barn & Corral

- K 1730R 290
- K 76-E 151
- K 1530R 140

- SE cor corral
- SE in Shop
- SW in Shop



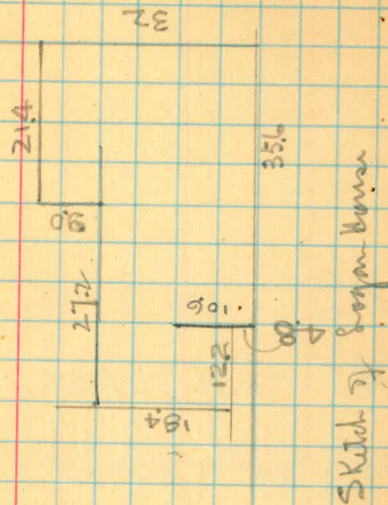
Set up at 107

S5745W 38

S4030W 12

N7950E

N18-W 146



= NE in Sagan house

= the well 3' dia 50' deep 25' wide

= ch 4x4 timber

= the gate N from here

60

Survey of Harvey Ranch (cont)  
Grain Field Meanders

281	262
293	268
327	347
901	878

	S45 - E	43
	S89 25 E	185
	S56 30 E	240
CP	S40 05 E	260
CP x 118		
CP <del>118</del>	S24 20 E	181
Junction of Field - north & south	S77 55 E	71
CP	N40 35 E	154
DA	S74 55 E	901
CP x	S74 55 E	878
CP	N49 - E	290
CP	N82 15 W	266
CP	N70 35 W	210
DA see page 59	N50 15 W	300

3979

= NW 1/4 + 1/2 1/4 Sec

~~CP 118~~

= Eastern end cor of east or chard

= Cor gate N side Grain field

} This is 18' south of upper Pond

61

123

K6340W	102
K8155W	177
K7420W	175
K5910W	222
K5935W	246
K8735W	101
K7930W	205
K68-W	199
K7340W	200
K8305W	268
S81-W	98
S5310W	241
	254

□ = 123 South Side Field

Old Quarry Site  
 House moved by Roberts

61

62

## Survey of Sawyer Ranch (cont)

North side ~~West~~ orchard (opposite road)

S4915W

291

S4255W

168

S7115W

124

N8805W

168

N761W

416

N8510W

91

Went to began Sept 2 rows

63

Side shot closing on grain field meander from preceding station

= 6 page 57

East side East orchard

N8525W

76

N2950W

160

N4410W

140

N2805W

101

N1930W

204

= SE cor cor lot page 58

= Eastern of cor orchard on page 60

Sogano Aping Lot.

S89' W

235 This shot from "southerly corner aping lot" (see below)  
to westerly corner pits along Reservoir  
fence

= Ctr County Road.

X5145 W

267

X525 W

125

X5210 W

226

X36 W

132

X6125 W

88

S7840 W

312

S29 W

258

= Side shot to corner of Res' fence  
= Southerly corner aping lot.

S6320 W

88

S4930 W

310

64

Harvey Ranch Survey.  
North Property Fence.

X66-E 51

X66-E 187 (179) +1030

S3145E 378

S5230E 440

S5140E 290

S6430E 122

= west end dam

(S50-W)

Side shot to NE cor Sugar Residence

(S49-E)

Side shot to SW cor shop

X64-E 264

Pointing to west end dam

X87-E 933

This station 10' south of  
ctr of County Road.

X6430E 72

N4810E 40

N1350E 95

on top bluff

N3215W 120

(104)

+2048

= CP x page 60

419  
13  
340  
~~933~~

~~315~~      ~~305~~

N 81 45 E      41

N 48 E      144

N 43 5 E      370

N 42 15 E      500

= the bridge crossing creek

5' south of the County Road

This course still follows telephone  
line but for a time N 82 E at this point.  
This course follows Sogomogon  
which follows telephone line.

66

Location of Otter Creek  
through Harvey Ranch.  
All stations at or near creek unless otherwise stated

Wrest. Soga 9-27-13.

X7145E	86		45' wide
X8110E	104	Bounded on south by bluff	24' wide
S8920E	224		5' from south bank of 20' sect.
S7350E	240		5' from south bank of 24' section
S7850E	113		opposite wash from south side (at south edge of 40' wide section)
S60-E	325		33' wide
S6630E	145		This station at south edge of 40' wide section
S60-E	153		66' wide
S53-E	431	54' wide - This sta down 25' west of road.	
S6515E	305	75' wide	
S6925E	207		
S8805E	324		
N19-E	274		36' wide here
S6330E	96		= southeast corner of Soga's section lot.



4635  
 35  
 73 125  
 92,50  
 115625

X1430E 112

X20-E 72

X20-E 83

X3445E 215

~~X~~ N1530E 281

X2630E 113

X320W 100

X855E 149

X1840E 78

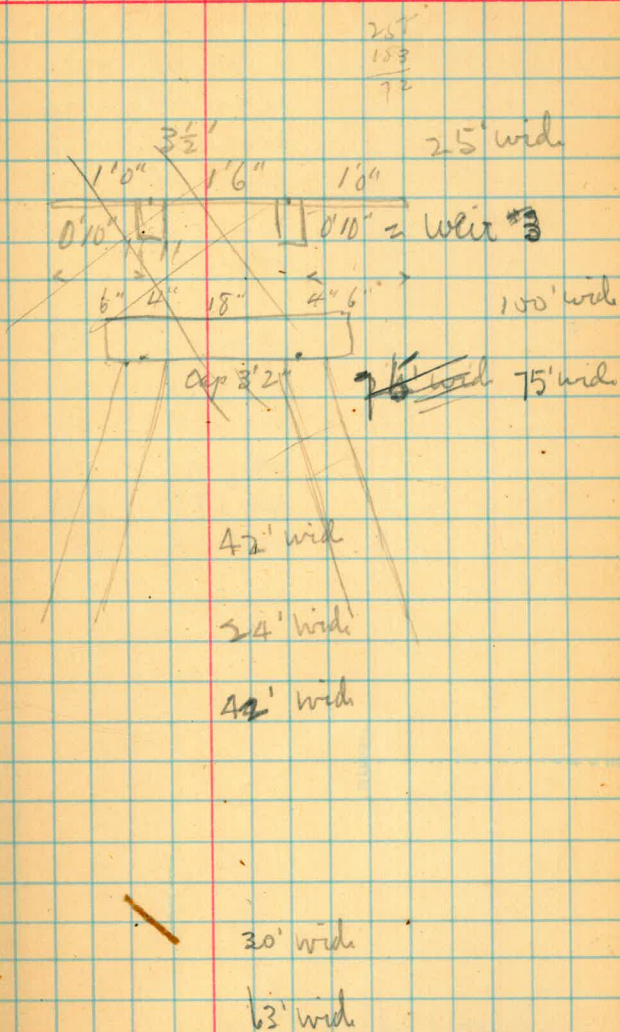
X3440E 124

X6605E 212

X7055E 108

X7230E 121

X8340E 112



## Partial list of lands conveyed by Schlitz

Parcel	<del>40</del>		Sec 4	185	18	10
114	6244	lots 102				
115	40	SW + NW	4		"	
116	40	NE of SW	4		"	
117	40	NW of SW	4		"	
118	160	NE	5		"	
119	80	N $\frac{1}{2}$ of SE	5		"	
120	154	P $\frac{1}{4}$ of SW of SE	5			
121	80	N $\frac{1}{2}$ of SW	5			
122	80	S $\frac{1}{2}$ of SW	5			
123	80	S $\frac{1}{2}$ of NW	5			
124	4019	NE of NW	5			
128	40	NW of NW	8			

N12-E 161

= the bridge pgs 65  
18' wide

617

~~452~~

746  
452  
292  
350  
642

763

146  
452  
350  
102

746  
102  
644

617

~~102~~  
815

763  
102  
661

484  
350  
134

677  
134  
543  
55"

770  
134  
636  
64"

823  
134  
689  
6'10"

741  
134  
607  
6'

180  
922  
1738

2333  
105  
1228

185  
2  
3.1

85

2  
17

165  
8.13  
170.50  
102  
108  
100

4204  
8849  
13053  
100  
4907

100 15  
0.36  
101.11  
100  
7849

8505  
1305  
9838  
17  
8127

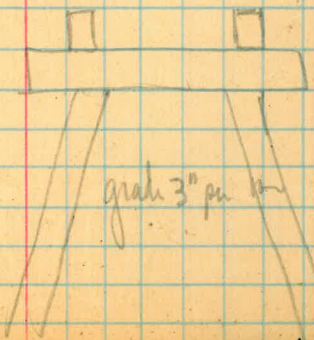
4328  
5140  
9508  
170  
8022

180  
106.2  
73.8

1852  
2047  
1134  
100  
6821

5  
9.3  
45  
13  
46'3"

4625  
18' 87"  
9' 8'10"  
8'4"



46  
3  
138

Sautsbach spent 9 1/2 days in \*  
and took out 30 yds sand & rock  
(15 yds rock)

## R B Sautsbach memo.

Work to be done. Raise intake near 1' •  
Enlarge for slurry.  
Instrument too close to well  
Improve float - cage.  
345 ± earth.  
Move car to Banetti  
" car & house at School house  
Cylindrical tank at Bee station  
Raise lining 6" for 1500' at 6 N  
Remove bottom & cask bottoms of 13 14 15 19  
Phone line along ditch.  
Put better quarters for Johnson camp.  
Restocked & water proof food - boxes.  
Special low Flume 13 - Flume 15  
Open - car Tunnel 5 1/2 3 - slab.  
Jap - car to 15 N cover perhaps  
Fence around Johnson camp.  
Sawd Tray in Flume 22

Oct 11/12

Random note on use of Tar

What is the SO. Fine Company Product

Better's flume: Ocean side open so much. Better form a backing for oakum to drain against. Also better prevent sea water being long on outside than on inside.

Do a job ocean water built up at start.

Using tar or asphaltum with the oakum when same is put in.

A more liquid grade of asphaltum. Or use a more flume ocean side up most.

On other hand tarring should not be deferred until lumber becomes damp in now.

?? ~~7~~ Men caulking flumes: one on outside one on inside.

If joints were stopped, tar would not be needed.

Better's claim of all Company flumes in salt water.

Could tar be sprayed on?

Or jets on with steam????

Would outside painting of flumes cause rot? Tarring outside of sea.

Discussion suggests mixing sand with tar. Saw better this way because too brittle.

## History of Fluor 708.

1909 South beach & Peterson & Hanson  
 caulked sides of boat and  
 turned side on 8 and seams on 7  
 bottom bottom on 8th turned.  
 Sailed bottom of 7 turned with  
 with pins in on south side and  
 asphaltum on north  $\frac{1}{2}$ .  
 Sailed to Fay puts under

1910 8 caulked bottom up  
 both sides and turned completely  
 Sautbad & Weger & Hagen  
 and Huley  
 7 all seams caulked and  
 all turned.

1911 RB Sautbad and Ag  
 7 & 8 new bottom on bot  
 when necessary. Caulked some  
 seams of 7.

1910 Sautbad & 3 men turned 12 flms

## Johnson Fluor

1909 Watts at Johnson camp

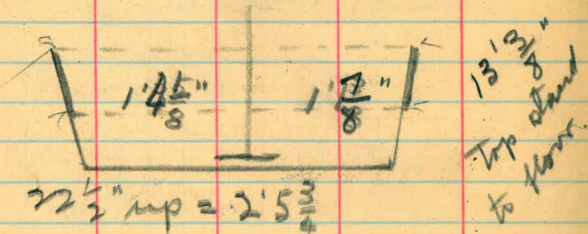
1910 " at Bantle.

1911 " RB Sautbad goes over  
 some of 15 seams.

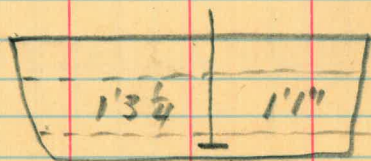
73

Stem Guides for Valves in

Lower Chamber:

Dist across longitudinally  $11\frac{1}{2}$ " up  
from floor =  $2' 5''$ 

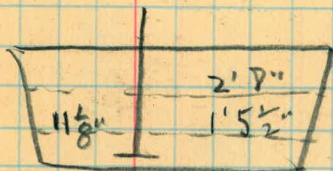
Upper chamber:

Dist across longitudinally  $11\frac{1}{2}$ " up  
from floor =  $2' 4\frac{1}{4}''$  $22\frac{1}{2}''$  up =  $2' 4\frac{3}{4}''$ 

PC Bridge and traps

Waste.

Sept 19, 1912



$13\frac{5}{8}''$   
top stand  
to floor

Middle chamber

Dist across longitudinally  
 $22\frac{1}{2}''$  up =  $2' 8''$   
 $11\frac{1}{2}''$  " =  $2' 4\frac{5}{8}''$ Turnah screw  $4\frac{1}{2}''$  high  
Plate 1" high

Cement 17  
 17  
 8  
 3  
 3  
 2  
 1  
 51

60  
 18  
 58.8  
 4  
 57.2

175 387 336

1095 lower edge hole all

1045 " " " " "

175 top walls

1095  
 17  
 920  
 150  
 77

1095  
 17  
 870  
 150  
 720

girds - iron  
 tub  
 pin  
 hammer  
 heading tool  
 stamp  
 tool

Keep & cut Saw  
 or Bar

Rr Side Sept 6 1912

concrete 694 1/2 Plaster 20

101  
 78  
 39 1/2  
 20  
 45  
 227  
 127 1/2  
 63 1/2  
 86  
 107 1589

18  
 21 1/2  
 12  
 11  
 21  
 14  
 117 1/2  
 455 1/2  
 572 1/2

To go in

588

588

18 1/2

12 1/2

95

15 1/2

330

12

18

88 1/2

lt side

20

574

156 1/2

91

126

16

47 1/2

64

124

To go in

5

16

663

14 1/2

5 1/2

6 1/2

46 1/2

21 1/2

14

40

20

33

43

32

~~101~~

96

15 1/2

67

455 1/2



# List of Prints & Maps

at Barrett Eng'g Hse

June 20, 1908

- 1 T 175 R 4 E S 3 Bm
- 1 T 185 R 5 E S 3 Bm
- 2 T 185 R 4 E S 3 Bm
- 1 Section of Proposed Concrete Arch Dam  
Barrett by A. P.
- 1 Profile Barrett Dam Site 1897
- 1 Contour Map Barrett Res. Site 1894
- 1
- Mounted on cards with Table of Contents
- 1 Conduit Survey for line 11-2-10 185 2 E  
(egg-shell paper)
- 1 Pine Creek Bridge Rough draft
- 1 U.S. 98 Top San Diego Quadrangle
- 1 Transverse section of Conduit & Compensation Section  
of Ditch (1897)
- x 1 Black & white print notes Rough Draft  
of Conduit line at Barrett Res. Site.
- 1 Rough & Detail of Dutzow Flume &  
Sand Chambers.
- 1 Blue-print of x above
- 1 Roll notes Profiles
- 1 Plan Concrete Arch Dam for Barrett (A.P. 1902)
- 1 Profile Barrett Dam Site and unlabeled contour  
maps of res. site.

Cont.

- 1 unlabeled contour map
- 1 " " " " of Dam Site
- 1 Draft Basin Survey of Morris Comm.
- 1 unlabeled Profile
- 1 Draft Flume Basins, Valley View & Skid Plan  
of Barrett Camp.
- 1 Barrett Dam Misc
- 1 Roll Davis Savings Plan 1897-1907
- 1 Silt Chamber for P.C. Ditch. 1897
- 1 Roll X - Section Barrett Dam Site
- 1 Roll Barrett Dam Misc 1906-1907
- 1 Roll 36" Buff Detail paper with  
Morris Dammy phone line.
- 1 pc 42" egg-shell paper
- 1 Small roll of plates from prints
- 1 Roll Davis Otay Green 1894 & Barrett 1907
- 1 Roll 38" Tracing sheet
- 1 mounted egg-shell roll of Davis Otay Green 1894
- 1 Small sketch of Davis Otay bridge

9' 7 1/2"      7' 7 1/2"

8' 8 1/2"      6' 8 1/2"

June 20 1912

Send to Barret

5 lbs coal (from SD)

2 bx #2

6 coils fuse

3 bx caps

2 double jack handles

from  
Munroe

Durham Post office

1 pr glasses

100 Durham

25 paper

25 matches

50 candles

1352

21

138 08

190 52

41 52

36 32

78 14

16135

3437

20112

110 21 1/2

21 1/2

16727

3937

20104

180 04

21

2948

271

265

4121  
11935  
150  
560 25 1/2

No flour  
150' survey

buying  
plate

discharge  
plate

hold glass  
station in

15 1/2 shur

34-30 months

36 drawers

1 bx paper

Sulphur

Printer

gum

inkstand

the fuel

True Terry 2

" molyb -

Five Long 11 -

at Barret river frames

for sunlight

frames

condensit

Sept sand

cracks

solvent water

put in

concrete

3449

14522

7749

183.1

18000

37

1337

7150

2053.1

10

2531

1111 1 + 905

3960  
1821  
5793

660  
3767  
4427

450  
385  
835

37  
552

357  
188  
505

319  
186  
505

261  
50

734  
1875  
6215

621  
467  
154  
461 8 1/2  
380  
20

411  
221  
190

400  
167  
237

44  
271  
4707  
4435  
852

Friday Am = Munday's start (22)

Sat am = Jopuz end

431 + 92  
950 + 75  
1023  
1025

rice  
pork  
fish  
fruit  
ham

some actually being carried down

telephone in

51  
14321  
3631

475  
21093  
510

78  
25  
48  
151

1124  
07  
118

24  
33  
31  
13

29  
116  
42  
164

18  
6  
108

8757  
9525  
232

47  
210  
1211

52 + 105 + 1000

Rice

12 8 + 165  
14  
16 151

Bread

173  
32  
306  
173  
2096

151  
16  
906  
150  
2050

10  
7  
98

190

4x6 12 + 71 + 2 + 78 + 12 + 15  
4x4 37 + 18 + 22 +

2410  
2070  
440

6x6 108

5x4 41 + 18