

**SUMMARY 1<sup>st</sup> MILE**

Embank (Main Line)	32154	cy.
Yard Trks.	83452	
Excav. Yard Trks.	8506	

Gravel Ditching for Rip Rap.	2240	
Rip Rap (Heavy)	11708	
Dry Rock Wall	70	
1- Wood Box 6"x6" - 47 Lm. ff.		

**NOTE:** From Sta 0+00 to Sta 149+00, quantities shown on profile are one half of the total quantities obtained, being divided between the First and San Pedro Districts.

**SUMMARY 2<sup>nd</sup> MILE**

Embank (Main Line)	27627	cy.
Yard Trks.	22091	
Excav. (Main Line)	11604	
Yard Trks.	389	
Excav. Dry	146	
Borrow	17174	
Concrete	158	
Gravel Ditching for Rip Rap.	1870	
Rip Rap (Heavy)	7884	
Backfilling	73	
Treated Timber	235 F.B.M.	
Wrot Iron	88 Lbs.	

F.M. 17977

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EQUATION: 104+70.45+105-20.0



**SUMMARY 3<sup>rd</sup> MILE**

Embank Main Line	13593	cy.
Excav.	2848	"
Borrow	1682	"
Excav. Dry	67	"
Concrete	49	"
Backfilling	38	"
12" Vit Pipe (72)	34	Lin Ft.
18" " (12)	31	"
24" Corr. Iron Pipe	375	"
Treated Timber	626	F.B.M.
Wrot Iron	88	Lbs.

Track laid July 19<sup>th</sup> 02

**SUMMARY 4<sup>th</sup> Mile**

Emb. Main Line	10950	cy.
Exc. Main Line	7480	"
Exc. Yard Tracks	821	"
Exc. Yard Tracks	4385	"
Exc. Dry	284	"
Concrete	176	"
Dry Rock Wall (East Yard)	293	"
Backfilling	11	"
Timber	822	F.B.M.
Steel	29790	Lbs.
Wrot Iron	97	"
Cast	230	"
60" Guard Rail	241	Ln. Ft.
24" Vit Pipe	56	"
30" Corr.	28	"

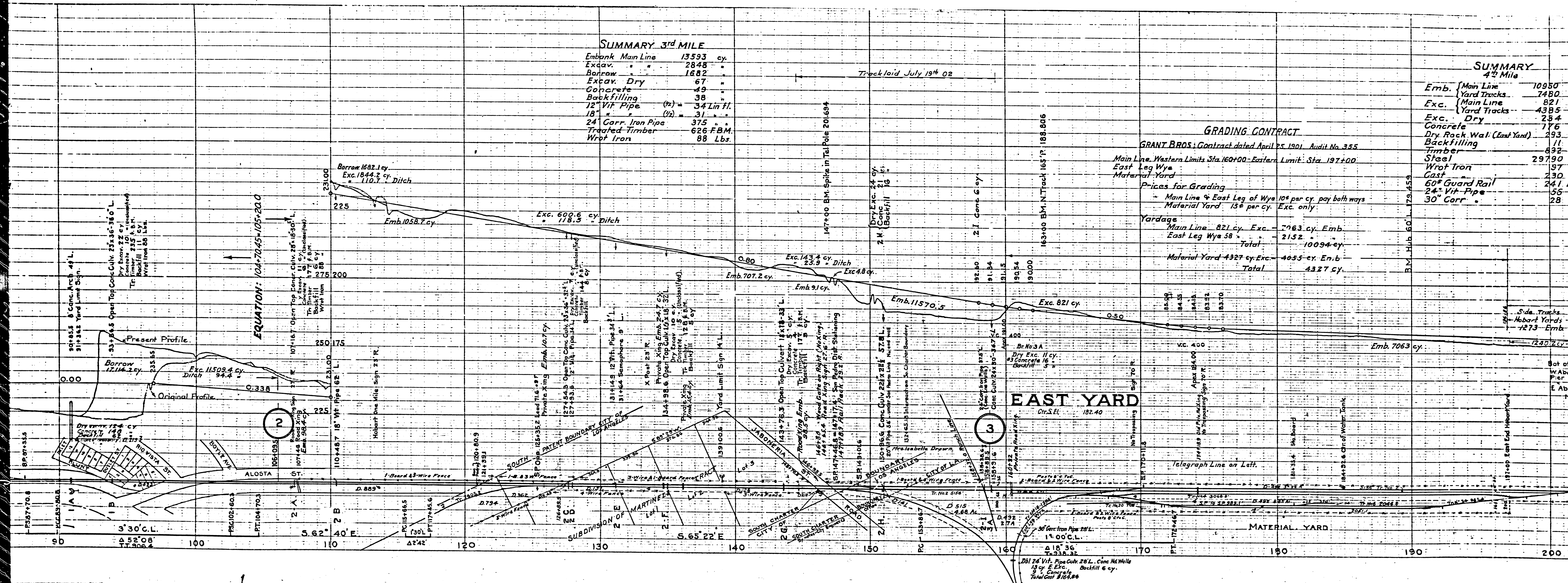
**GRADING CONTRACT**  
GRANT BROS. Contract dated April 25 1901 Audit No. 355

Main Line Western Limits Sta. 160+00 - Eastern Limit Sta. 197+00

East Leg Wye  
Material Yard

Prices for Grading  
Main Line & East Leg of Wye 10¢ per cy. pay both ways  
Material Yard 15¢ per cy. Exc. only

Yardage  
Main Line 821 cy. Exc. 7963 cy. Emb.  
East Leg Wye 58 " " 2152 " " Emb.  
Total 10094 cy.  
Material Yard 4327 cy. Exc. 4055 cy. Emb.  
Total 4327 cy.



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**SUMMARY**  
4<sup>th</sup> Mile

Emb. Main Line	10950	cy.
Yard Tracks	7480	
Exc. Main Line	821	
Exc. Yard Tracks	4385	
Exc. Dry	234	
Concrete	176	
Dry Rock Wall (East Yard)	293	
Backfilling	11	
Timber	892	FBM.
Steel	29790	Lbs.
Wrot Iron	197	
Cast	230	
60" Guard Rail	24.1	Lin. Ft.
24" Vit. Pipe	56	
30" Corr.	28	

**F.M. MONROE: Contract dated Sept. 18<sup>th</sup> 1901**  
 Western limit, Station 179+00 Eastern limit, Station 1616+71.5  
**EARTH EXCAVATION:** (11 3/4¢ per cu. Yard) Earth excavation shall include ordinary soils, clay, adobe, sand, spalls, gravel, cobble, boulders and fragmentary rock which does not form a part of a rock ledge, and which is enclosed in any of the materials herebefore mentioned, and which fragmentary rock or boulders shall be in pieces of less than three (3) cubic feet in bulk.  
**EARTH EMBANKMENT:** (11¢ per Cu. Yard) All embankment of whatever material shall be classified as earth and paid for as so.  
**EXCAVATION INTERMEDIATE CLASS:** (19 1/2¢ per cu. yard respectively) Intermediate classification shall include all hard pan, cemented materials, and shales that can be plowed with a railroad plow and eight (8) strong horses or mules to a depth of three (3) inches; and also all fragmentary rock and boulders measuring from three (3) cubic feet to thirteen and one half (13 1/2) cubic feet in bulk.  
**EXCAVATION SOLID ROCK:** (77¢ per cu. yard) Solid Rock, shall include all fragmentary rock or boulders measuring over thirteen and one half (13 1/2) cubic feet in bulk, and all rock in place that must be removed by blasting.  
**CLEARING and GRUBBING:** Included in excavation and embankment prices.  
**HAUL:** Free haul 300 ft. All material hauled over five hundred (500) feet will be paid for at the rate of 3/4¢ per cubic yard hauled one hundred (100) feet. The length of haul will be computed from Center of Mass in place, to Center of Mass where deposited.

Track Laid Jan. 16 '02

Track Laid Jan. 17 '02

**F.O. ENGSTROM: Contract dated Nov. 4<sup>th</sup> 1901**

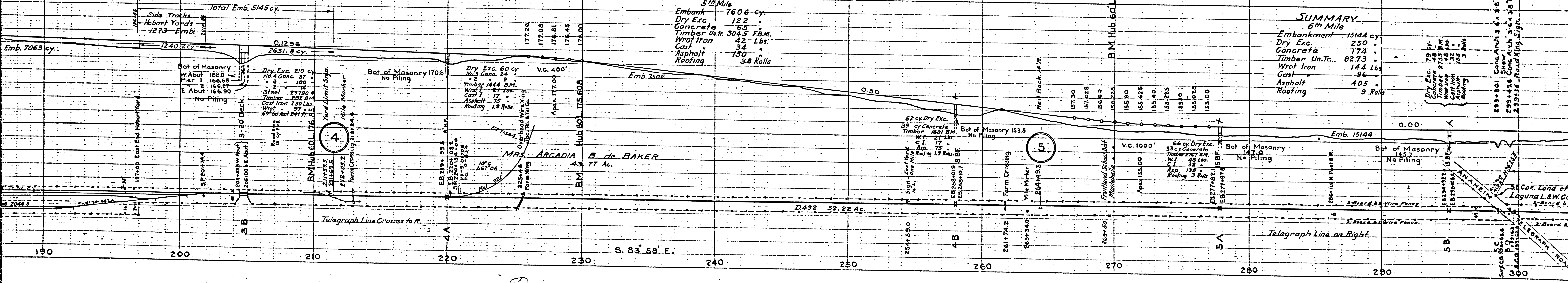
For construction and completion of all concrete masonry bridge abutments, bridge piers, arch bridges, irrigation pipes and all construction of cement concrete as designed for the proper completion of the road bed, located between the city of Los Angeles and the city of Pomona.  
**No. 2 CONCRETE:** (\$4.00 per cu. yard) Shall be one part by measure of cement, two parts measure of sand and FOUR parts by measure of broken stone.  
**No. 3 CONCRETE:** (\$3.75 per cu. yard) Shall be one part by measure of cement, three parts by measure of sand and FIVE parts by measure of broken stone or FOUR parts by measure of washed and screened gravel.  
**No. 4 CONCRETE:** (\$3.50 per cu. yard) Shall be one part by measure of cement, three parts by measure of sand and SEVEN parts by measure of broken stone or SIX parts by measure of washed and screened gravel.  
**DRY EXCAVATION EARTH:** (20¢ per cu. yard)  
**WET** " " (60¢ " " "  
**PILING** Driven in the ground @ 30¢ each lineal foot.

**SUMMARY**  
5<sup>th</sup> Mile

Embank	7606	cy.
Dry Exc	122	
Concrete	65	
Timber Un.Tr.	304.5	FBM.
Wrot Iron	42	Lbs.
Cast	34	
Asphalt	150	
Roofing	3.8	Rolls

**SUMMARY**  
6<sup>th</sup> Mile

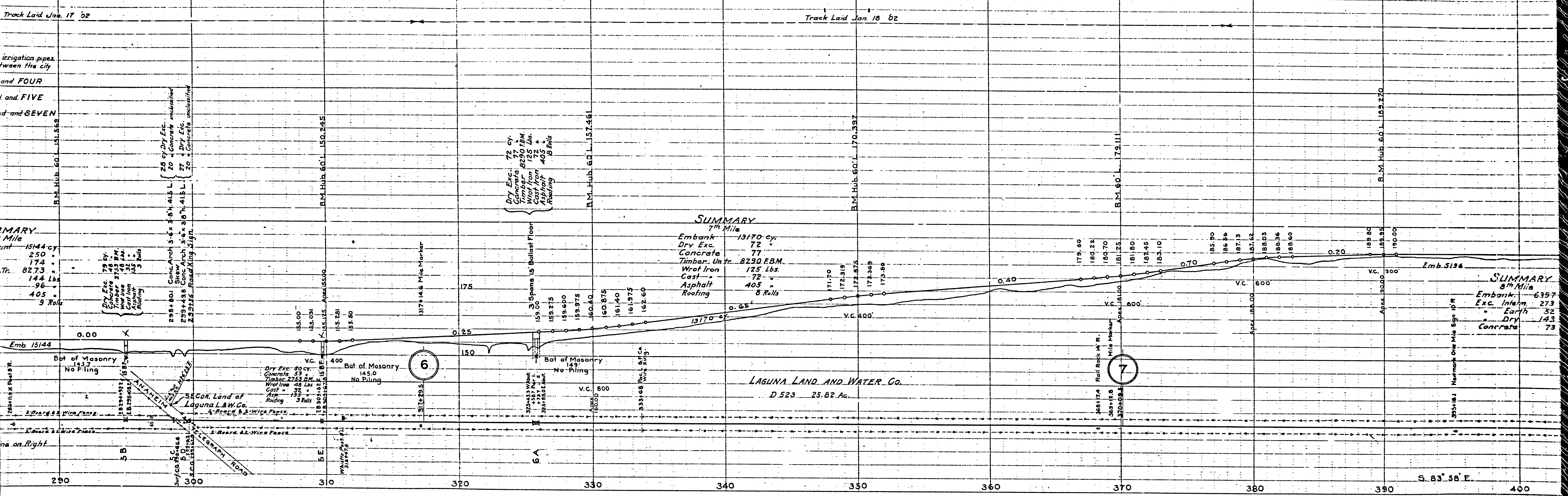
Embankment	15144	cy.
Dry Exc	250	
Concrete	174	
Timber Un.Tr.	82.73	
Wrot Iron	144	Lbs.
Cast	96	
Asphalt	405	
Roofing	9	Rolls



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MARY  
Mile  
15144 cy  
250  
174  
Tr. 8273  
144 Lbs  
96  
405  
3 Rolls

**SUMMARY**  
7th Mile  
Embank 13170 cy  
Dry Exc. 72  
Concrete 77  
Timber Unbr. 8290 EBM  
Wrot Iron 125 lbs  
Cast 72  
Asphalt 405  
Roofing 8 Rolls

**SUMMARY**  
8th Mile  
Embank 6397  
Exc. Interm. 273  
Earth 52  
Dry 143  
Concrete 73

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Track Laid Jan. 20 '02

Track Laid Jan. 21 '02

Tr. Laid Apr. 12 '02

Tr. Laid Apr. 15 '02

**SUMMARY**  
9th Mile

Embankment	7633 cy
Main Line Earth	14 "
Exc. Side Tracks	9417 "
Main Line Intermediate	21714 "
Side Trks	2299 "
Exc. Dry	289 "
Concrete	210 "
Rip-Rap (Heavy)	1583 "
Side Ditches	\$9.37
Timber	19084 FB.M.
Wool Iron	635 Lbs.
Cast	326 "
Dry Wall	360 sq.ft.

**Br. 9A**

Trestle Approaches	
Piling Treated	7249 Lin. ft.
Piling Un tr.	180 "
Timber Treated	896 FB.M.
Timber Un tr.	68229 "
Wool Iron	6319 Lbs.
Cast Iron	6118 "
Backfilling	\$901.79
Deck Girders	
Exc. Dry	714 cy.
Wet	913 "
No. 4 Concrete	454 "
No. 3	215 "
No. 2	163 "
Unclassified Conc.	284 "
Timber Un Tr.	3432 FB.M.
Piling Un Tr.	2579 Lin. ft.
Steel	197955 Lbs.
Wool Iron	557 "
Cast Iron	470 "
60" Gd. Rail	1857 lin. ft.

**SUMMARY**  
8th Mile

Embankment	6397 cy.
Exc. Interm.	273 "
Earth	52 "
Dry	143 "
Concrete	73 "

Emb 136 cy.

Exc. 2027.5 Intermediate Earth

Emb. 1880 cy.

Emb. 2081

S. 83° 58' E

S. 89° 36' E

MONTEBELLO

NEWMARK

KASPARE

COHN ET AL

ROOSEVELT AVE

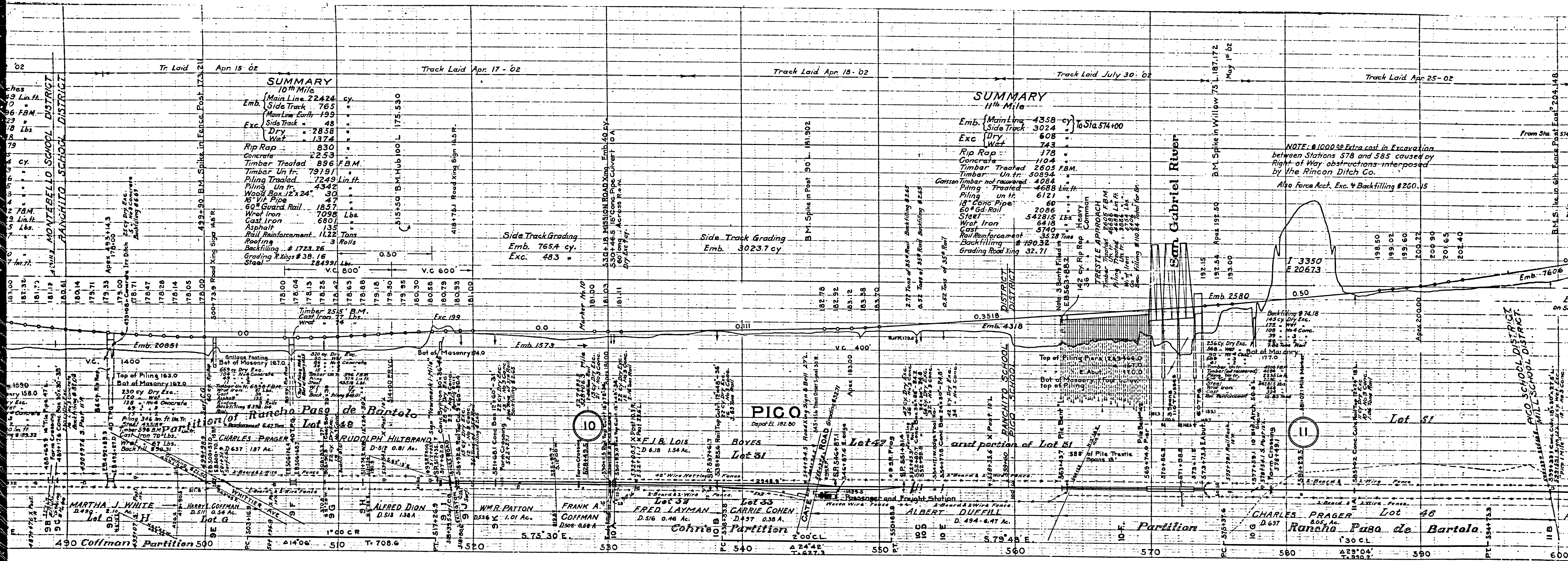
PASO de BARTOLO WATER Co.

MARTHA J. WHITE

F.M. 17977

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**SUMMARY**  
10th Mile

Emb. Main Line	22424	cy.
Emb. Side Track	765	
Exc. Main Line Earth	199	
Exc. Side Track	48	
Dry	2858	
Wat.	1374	
Rip Rap	830	
Concrete	2253	
Timber Treated	896	F.B.M.
Timber Un tr.	7919	
Piling Treated	7249	Lin.ft.
Piling Un tr.	4342	
Wood Box 12x24	30	
16" V.P. Pipe	47	
60" Gd. Rail	1557	
Wrest Iron	7098	Lbs.
Cast Iron	6801	
Asphalt	135	
Rail Reinforcement	1122	Tons
Roofing	3	Rolls
Backfilling	\$ 1722.26	
Grading Rights	\$ 38.16	
Steel	28499	Lbs.

**SUMMARY**  
11th Mile

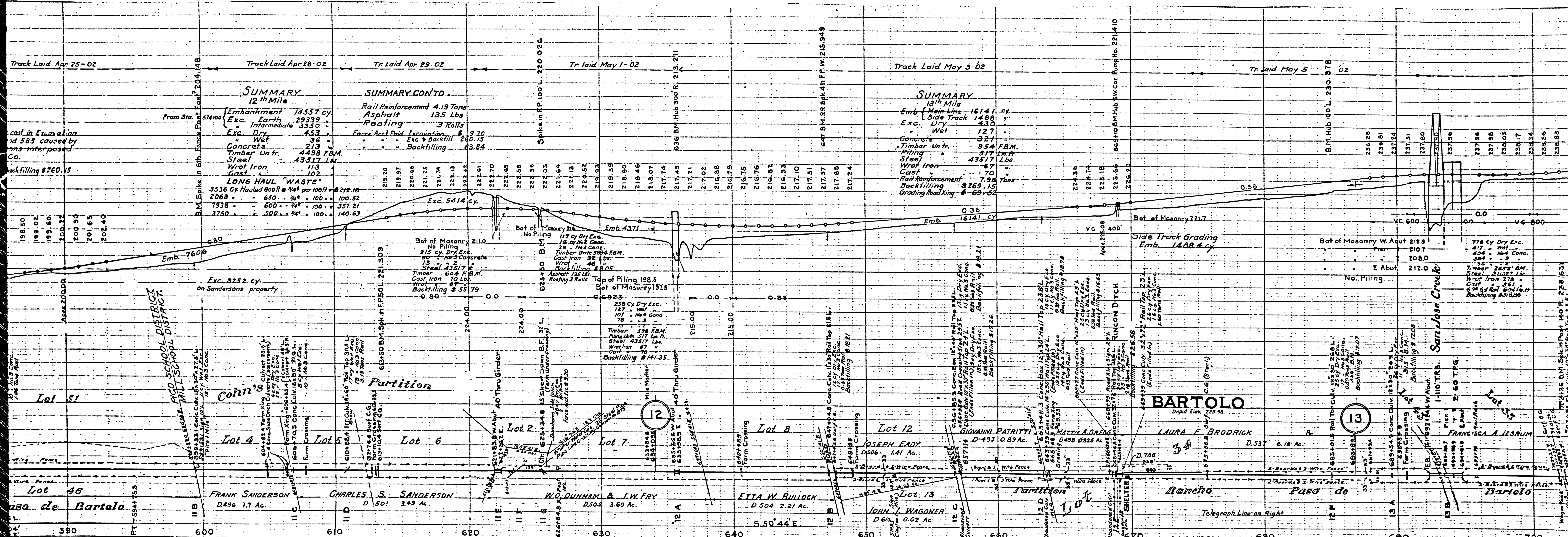
Emb. Main Line	4358	cy.
Emb. Side Track	3024	
Exc. Dry	608	
Exc. Wat.	743	
Rip Rap	178	
Concrete	1104	
Timber Treated	2605	F.B.M.
Timber Un tr.	50894	
Garrison Timber not recovered	4084	
Piling Treated	4638	Lin.ft.
Piling un tr.	6121	
18" Conc. Pipe	60	
60" Gd. Rail	2086	
Steel	542815	Lbs.
Wrest Iron	6418	
Cast Iron	5740	
Rail Reinforcement	3528	Tons
Backfilling	\$ 190.32	
Grading Road King	\$ 32.71	

NOTE: \$1000.00 Extra cost in Excavation between Stations 578 and 585 caused by Right of Way obstructions interposed by the Rincon Ditch Co. Also for a Acct. Exc. & Backfilling \$ 260.15

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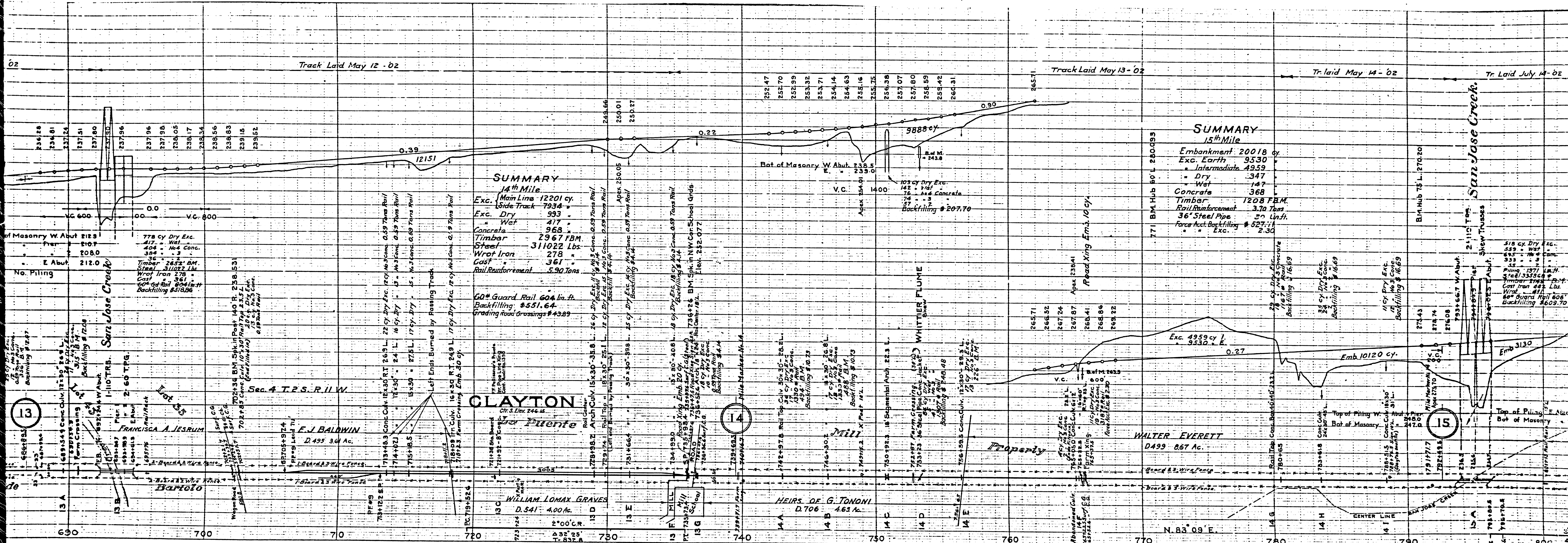




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**SUMMARY**  
14th Mile

Exc. Main Line	12201 cy.
Exc. Dry	993
Wet	417
Concrete	968
Timber	2367 FBM
Steel	311022 Lbs.
Wrot Iron	278
Cast	361
Rail Reinforcement	530 Tons

**SUMMARY**  
15th Mile

Embankment	20018 cy.
Exc. Earth	9530
Intermediate	4959
Dry	347
Wet	147
Concrete	368
Timber	1208 FBM
Rail Reinforcement	370 Tons
36" Steel Pipe	30 Unfs.
Force Acct. Backfilling	\$527.14
Exc.	2.30

60" Guard Rail 606 in. ft.  
Backfilling \$551.64.  
Grading road Crossings \$4329

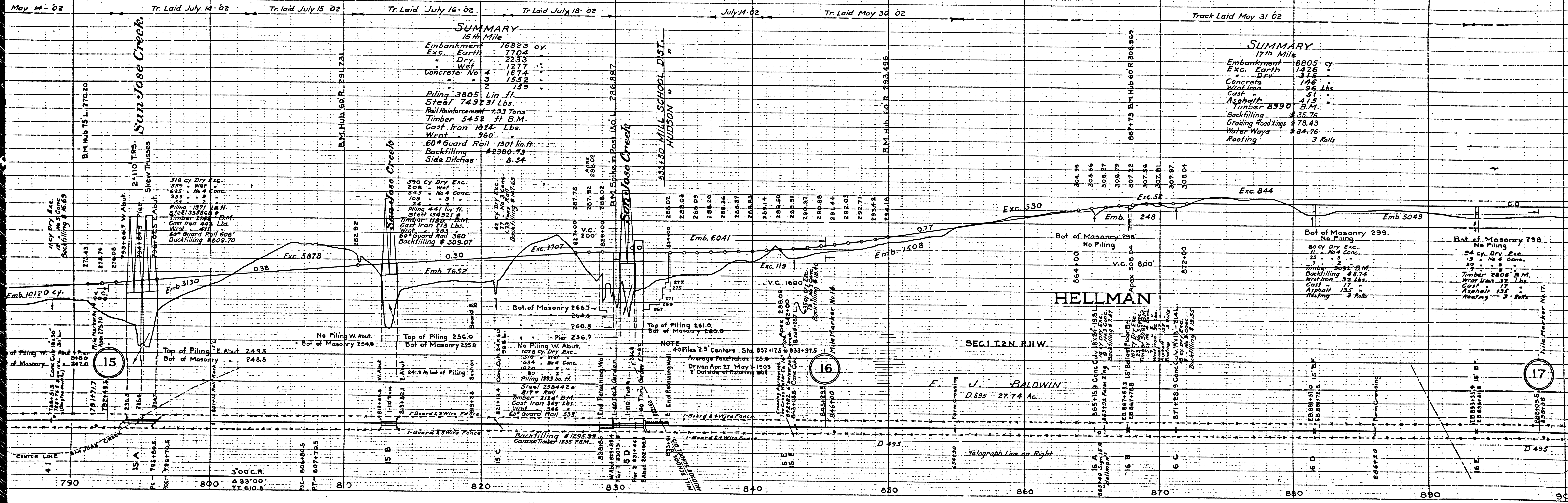
**CLAYTON**  
Ch. 5. Elev 246.16  
Pueblo

**WALTER EVERETT**  
D. 499 0.87 Ac.

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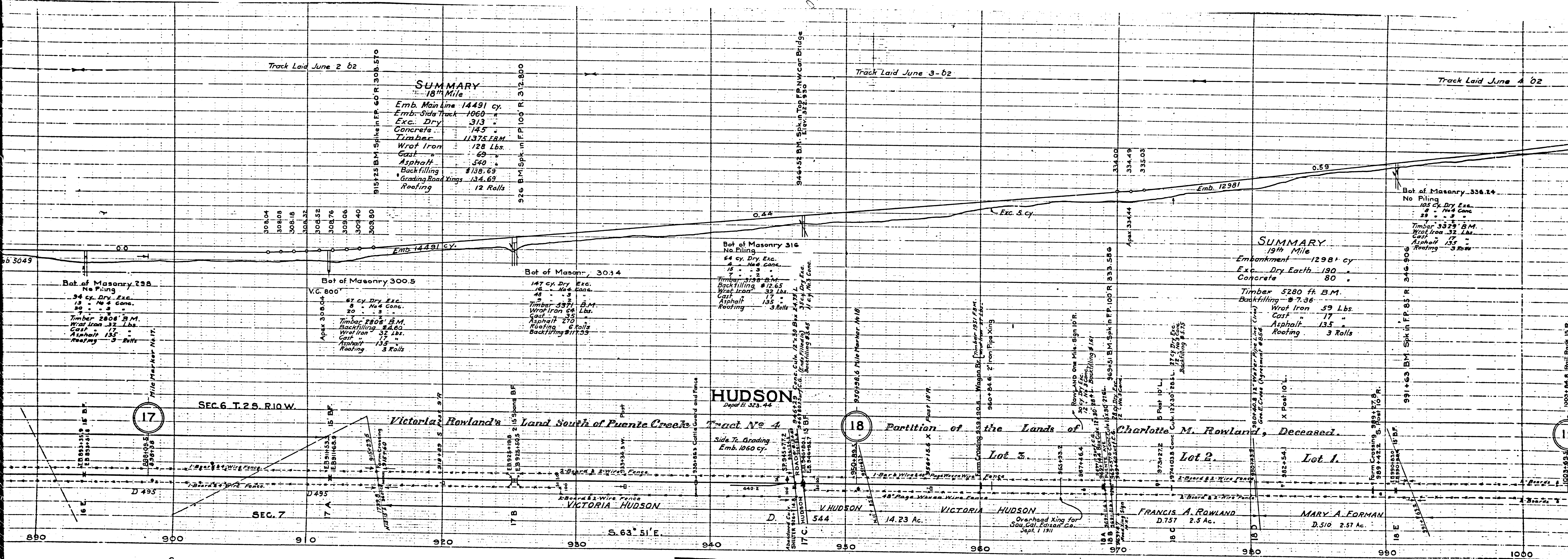
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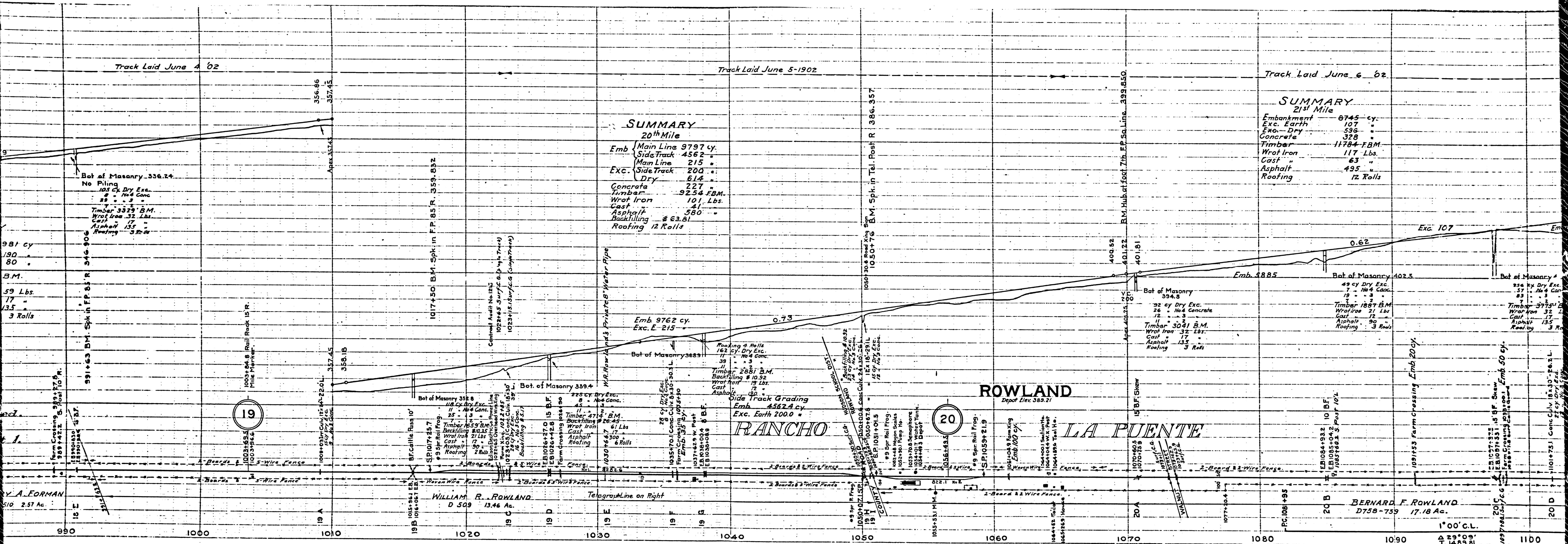
**SUMMARY**  
18<sup>th</sup> Mile  
Emb. Main line 14491 cy.  
Emb. Side Track 1060  
Exc. Dry 313  
Concrete 145  
Timber 11375 F&M  
Wrot Iron 128 Lbs.  
Cast 69  
Asphalt 540  
Backfilling \$138.69  
Grading Road Xings 134.69  
Roofing 12 Rolls

Bot of Masonry 316  
No Piling  
64 cy. Dry Exc.  
Exc. No. 4 Conc.  
7  
Timber 3158 B.M.  
Backfilling \$12.65  
Wrot Iron 33 Lbs.  
Cast 17  
Asphalt 185  
Roofing 3 Rolls

**SUMMARY**  
19<sup>th</sup> Mile  
Embankment 12981 cy  
Exc. Dry Earth 180  
Concrete 80  
Timber 5280 ft B.M.  
Backfilling \$7.36  
Wrot Iron 59 Lbs.  
Cast 17  
Asphalt 135  
Roofing 3 Rolls

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**SUMMARY**  
20<sup>th</sup> Mile

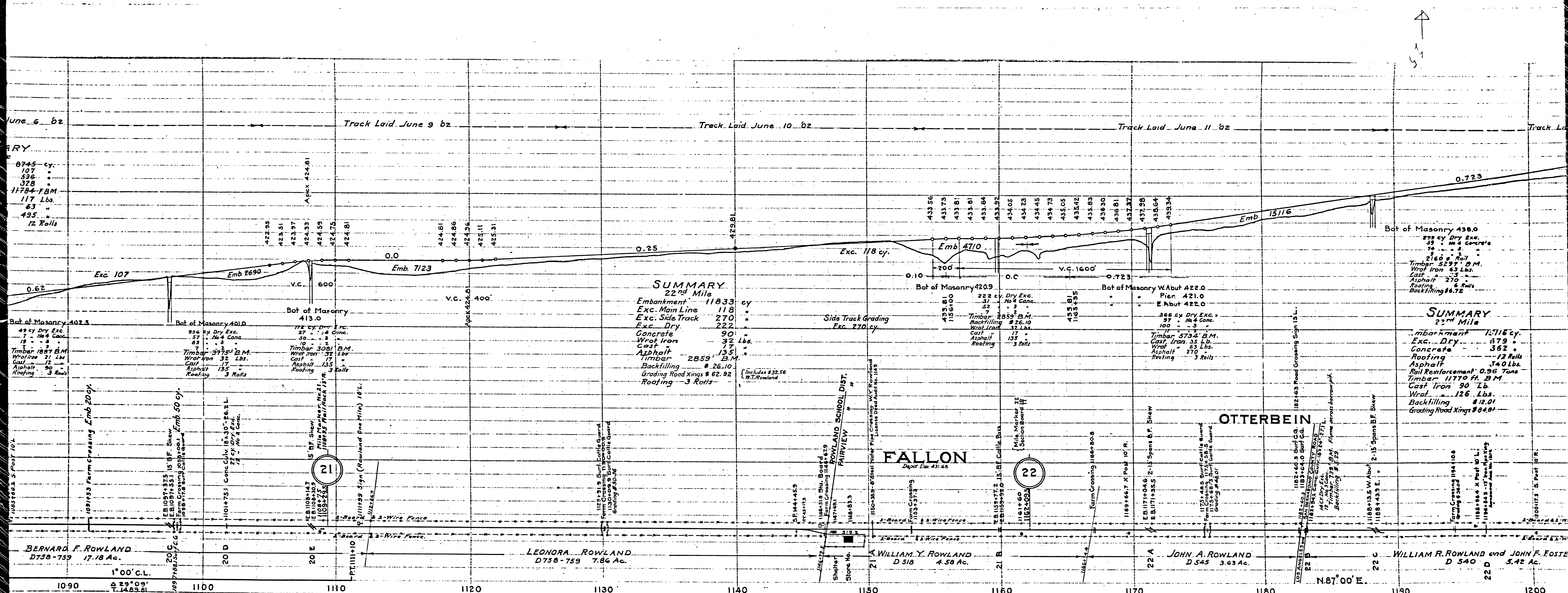
Emb Main Line	9797 cy.
Side Track	4562 "
Main Line	215 "
Exc. Side Track	200 "
Dry	614 "
Concrete	227 "
Timber	9254 FBM.
Wrot Iron	101 Lbs.
Cast	41 "
Asphalt	580 "
Backfilling	\$ 63.81
Roofing	12 Rolls

**SUMMARY**  
21<sup>st</sup> Mile

Embankment	6745 cy.
Exc. Earth	107 "
Exc. Dry	396 "
Concrete	328 "
Timber	11784 FBM.
Wrot Iron	117 Lbs.
Cast	63 "
Asphalt	495 "
Roofing	12 Rolls

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**SUMMARY**  
22<sup>nd</sup> Mile

Embankment	11833	cy
Exc. Main Line	118	"
Exc. Side Track	270	"
Exc. Dry	222	"
Concrete	90	"
Wrot Iron	32	Lbs.
Cast	77	"
Asphalt	135	"
Timber	2859	B.M.
Backfilling	\$ 26.10	
Grading Road Kings	\$ 62.92	
Roofing	3	Rolls

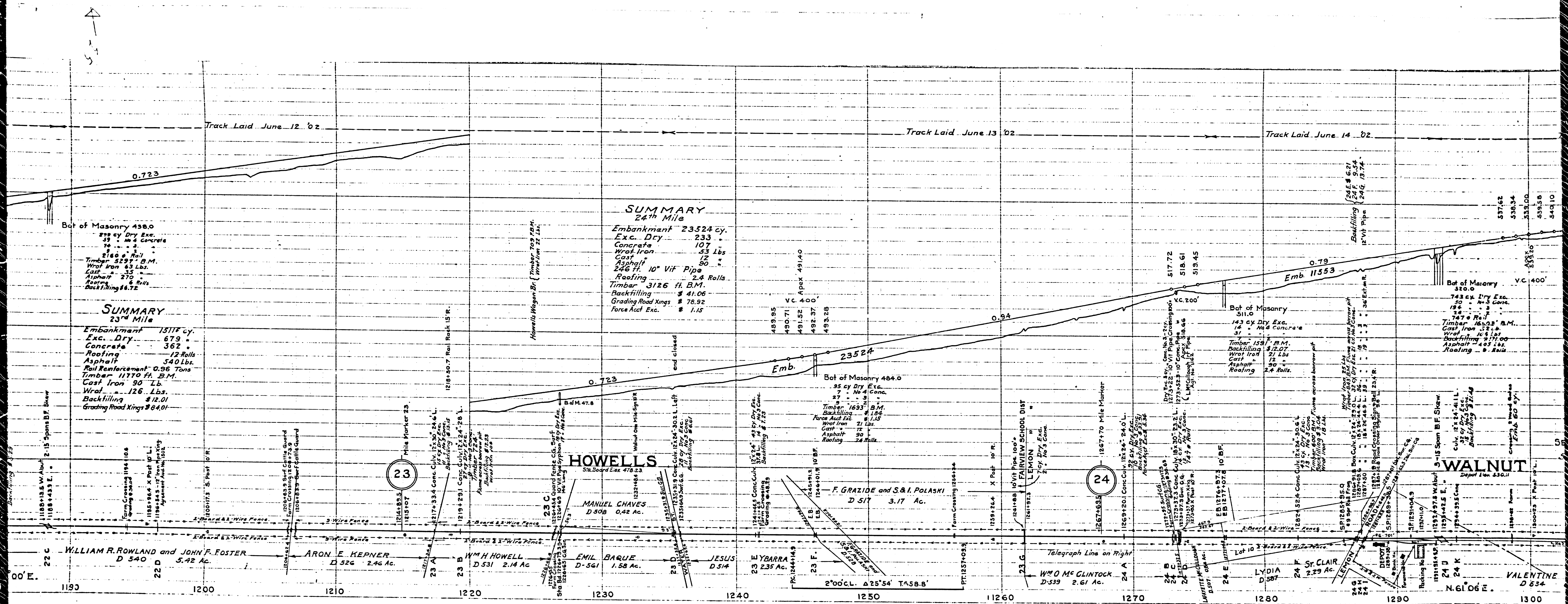
(Includes \$32.56  
W.T. Rowland)

**SUMMARY**  
22<sup>nd</sup> Mile

Embankment	12716	cy.
Exc. Dry	679	"
Concrete	362	"
Roofing	12	Rolls
Asphalt	340	Lbs.
Rail Reinforcement	0.96	Tons
Timber	11770	ft. B.M.
Cast Iron	90	Lb.
Wrot Iron	126	Lbs.
Backfilling	\$ 12.01	
Grading Road Kings	\$ 84.01	

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Bot of Masonry 438.0  
 239 cy Dry Exc.  
 59 M 4 Concrete  
 76 " 2  
 2160 Rail  
 5297 B.M.  
 Wrot Iron 43 Lbs.  
 Cast Iron 35  
 Asphalt 270  
 Roofing 6 Rolls  
 Backfilling 66.72

**SUMMARY**  
 23rd Mile  
 Embankment 1511F cy.  
 Exc. Dry 679  
 Concrete 362  
 Roofing 12 Rolls  
 Asphalt 540 Lbs.  
 Rail Reinforcement 0.36 Tons  
 Timber 11770 ft. B.M.  
 Cast Iron 90 Lb.  
 Wrot Iron 126 Lbs.  
 Backfilling \$12.01  
 Grading Road Kings \$84.01

**SUMMARY**  
 24th Mile  
 Embankment 23524 cy.  
 Exc. Dry 233  
 Concrete 107  
 Wrot Iron 83 Lbs.  
 Cast Iron 12  
 Asphalt 90  
 Roofing 2.4 Rolls  
 Timber 3126 ft. B.M.  
 Backfilling \$41.06  
 Grading Road Kings \$78.92  
 Force Act Exc. \$1.15

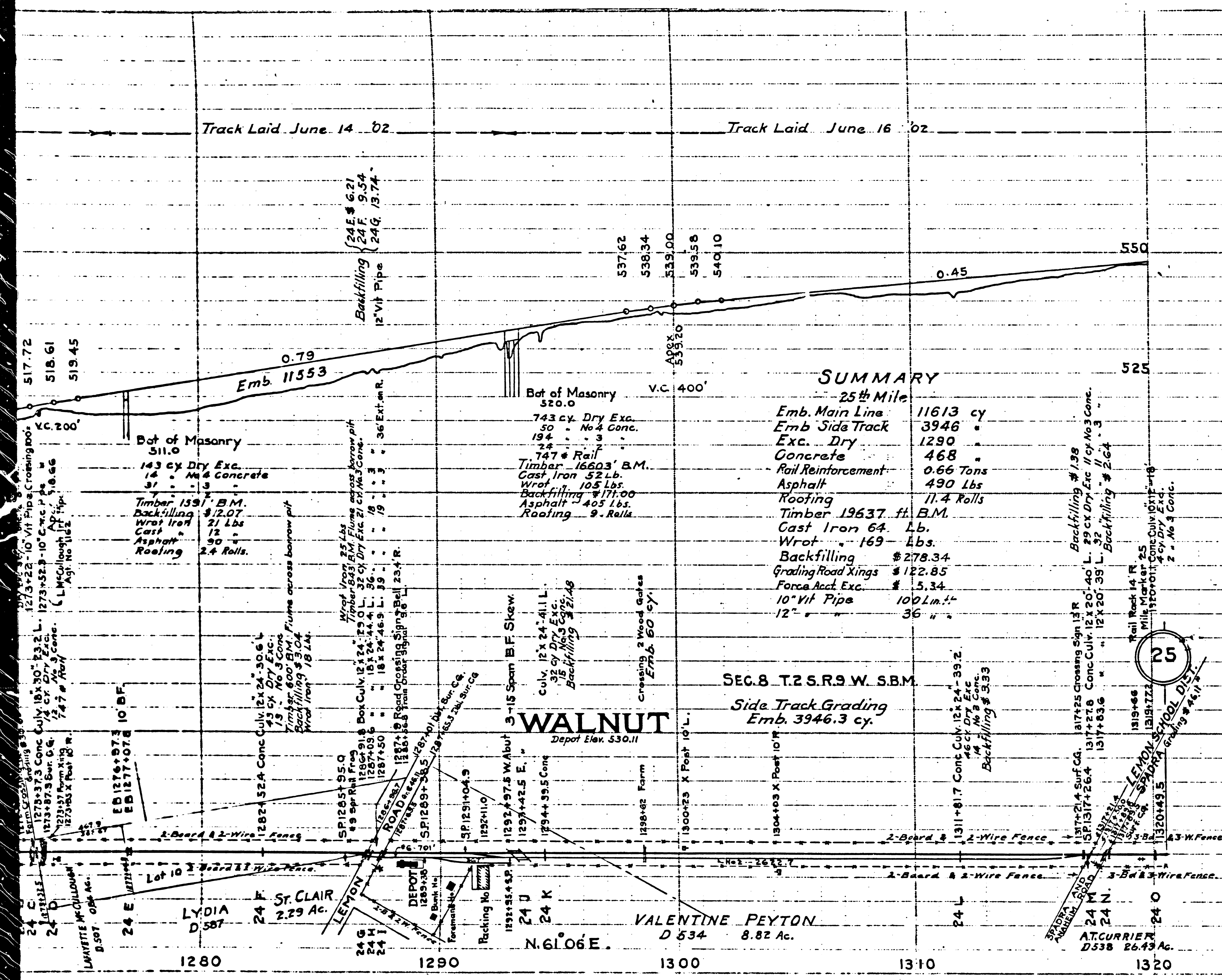
Bot of Masonry 511.0  
 143 cy Dry Exc.  
 14 M 4 Concrete  
 31 " 3  
 747 Rail  
 16203 B.M.  
 Cast Iron 72 Lbs.  
 Wrot Iron 104 Lbs.  
 Backfilling \$171.00  
 Asphalt 43.12  
 Roofing 6 Rolls

Bot of Masonry 484.0  
 95 cy Dry Exc.  
 7 M 4 Concrete  
 27 " 3  
 9  
 Timber 1693 B.M.  
 Backfilling \$1.84  
 Force Act Exc. \$1.15  
 Wrot Iron 21 Lbs.  
 Cast Iron 12  
 Asphalt 90  
 Roofing 2.4 Rolls

**WALNUT**  
 Depot Loc. 430.11

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S.P., L.A. & S.L.R.R.  
Los Angeles Division, First District.

TRACK PROFILE  
MILE 00 TO 25

HORIZONTAL 1"=400'  
Scale VERTICAL 1"=20'

OFFICE OF CHIEF ENGINEER, LOS ANGELES, CAL., JUN. 30 1912.

STATE OF CALIFORNIA } ss.  
COUNTY OF LOS ANGELES }

We, the undersigned officers of the SAN PEDRO LOS ANGELES and SALT LAKE RAILROAD Company do hereby certify that this profile is a true and correct profile of the S.P.L.A. & S.L.R.R. from LOS ANGELES to WALNUT, CALIFORNIA prepared from the official records now in the office of said company.

ATTEST *[Signature]*  
Secretary

*[Signature]*  
2nd Vice President  
*[Signature]*  
Chief Engineer

Subscribed and sworn to before me this the 14<sup>th</sup> day of March, 1913

*[Signature]*  
Notary Public in and for this county of Los Angeles State of CALIFORNIA.

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