

Haltway House - Gunnison Co. Line

COLORADO STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. 260-D STATE HIGHWAY NO. 6 GUNNISON COUNTY

INDEX OF SHEETS

- Original Project
- Sheet No. 1 Title Sheet
- 2 Typical Section and Summary of Quantities.
- 3 List of Structures
- 4 Special Concrete Box Culvert, Station 744+90.
- 5 Concrete Box Culverts M-103-D
- 6 Concrete Box Culvert M-104-D
- 7 Standard Headwalls for C.M.P. Culverts. M-102-E
- 8 Standard Siphon Corrugated Galvanized Iron Pipe with Concrete Inlet and Outlet Boxes. M-123-A
- 9 Standard Wire Cable and Metal Plate Guard Fence. M-20-G
- 10 Standard Wire Fences (Untreated Wood Posts) and Marker Posts. M-24-FX
- 11 Standard Picket Snow Fence with Steel Posts. M-25-B
- 12 Standard Methods for Superelevation and Widening of Curves. M-1-A
- 13 Typical Side Approach Roads, Road Construction Traffic Signs. M-2-B
- 14-22 Plan and Profile.
- 23-136 Cross Sections.

CONVENTIONAL SIGNS

- CENTER LINE 500
- RIGHT OF WAY LINE
- TOWNSHIP OR RANGE LINE TWP 55, RANGE 57 W.
TWP 55, RANGE 57 W.
- SECTION LINE
- ONE QUARTER SECTION LINE
- ONE SIXTEENTH SECTION LINE
- PROPERTY LINE & TRACT LINE
- BARBED WIRE FENCE
- WIRE CABLE GUARD FENCE
- PICKET SNOW FENCE
- TELEP, TELEG., & POWER LINE

SCALE AS ON ORIGINAL DRAWING

ON PLAN, 1 IN. = 100 FT.

ON PROFILE 1 IN. = 100 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL

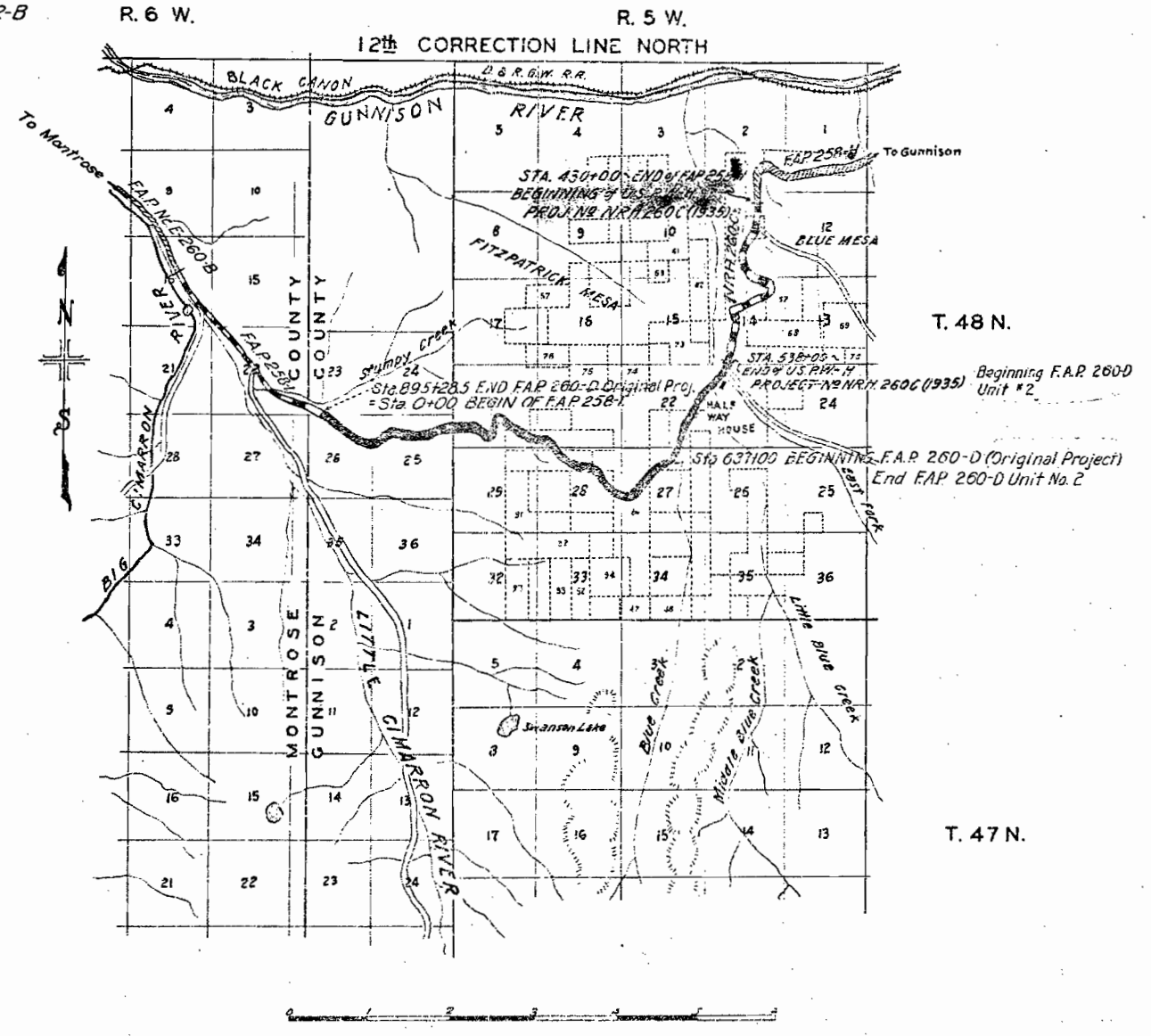
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD

GROSS LENGTH OF PROJECT	25,420.9 Lin. Ft. = 4.814 Miles	UNIT NO. 2	9,874.4 Lin. Ft. = 1.870 Mi.	TOTAL	35,295.3 Lin. Ft. = 6.684 Miles
NET LENGTH OF PROJECT	25,422.9 Lin. Ft. = 4.814 Miles		9,874.4 Lin. Ft. = 1.870 Mi.		35,295.3 Lin. Ft. = 6.684 Miles

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Unit No. 2

- Sheet No. 1 Title Sheet
- 2 Typical Section & Summary of Quantities.
- 3 Tabulation of Structures.
- 4 General Layout for Bridge, Superstructure, Summary.
- 5 Details of North Abutment.
- 6 Pier & Miscellaneous Details.
- 7 Details of South Abutment.
- 8 Standard Headwalls for C.M.P. Culverts. M102E
- 9 Standard Wire Cable and Metal Plate Guard Fence. M20G
- 10 Standard Wire Fences (Untreated Wood Posts) and Marker Posts. M24FX
- 11 Standard Structure Number Lettering. M10A
- 12 Standard Methods for Superelevation and Widening of Curves. M1A
- 13 Typical Side Approach Roads, Roadway Construction Traffic Signs. M2B
- M-17 Plan & Profile
- 18-100 Cross Sections



NOTE

It is recommended that bidders on this project go over the plan details with one of the following field representatives of this Department-

John J. Vandemoer Div. Engr. Grand Junction, Colo.
Homer W. Gray Res. Engr. Gunnison, Colorado

RECOMMENDED FOR APPROVAL 12/13/35

J. H. Haloney

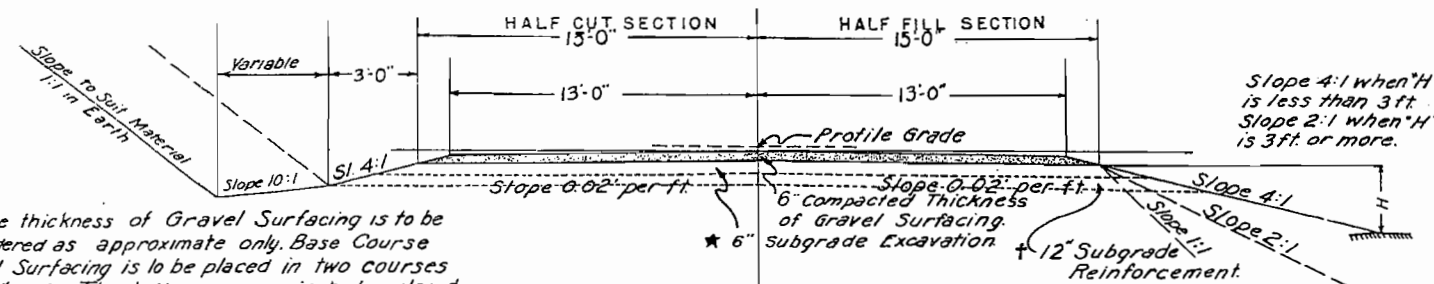
APPROVED

Shas. D. Vail

SCALE IN MILES

TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

TYPICAL SECTION

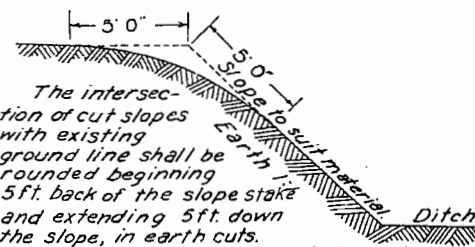


The thickness of Gravel Surfacing is to be considered as approximate only. Base Course Gravel Surfacing is to be placed in two courses of 3" each. The bottom course is to be placed at the rate of 4.5 tons per 100 feet of roadway. The top course is to be placed at the rate of 4.1 tons per 100 feet of roadway.

* In places where excavation and embankment are in rock which would result in a roadway unsuitable for traffic, the 6 inches immediately underlying the subgrade as shown above shall be constructed of selected material, which shall be classified and paid for as "Unclassified Excavation".

Rock Fill: Between Sta. 825+00 and Sta. 826+50 hand placing will be required if necessary to secure a 1:1 slope. No extra compensation will be allowed for this work.

DETAIL OF CUT SLOPE TREATMENT



† From station 656+00 to station 664+00, station 746+00 to station 758+00, and station 818+00 to station 822+00 the 12 inches immediately underlying the gravel surfacing is to be constructed of selected material, which is to be classified and paid for as "Unclassified Excavation", this material is estimated to be available from a pit near Sta. 854+00.

SUMMARY OF QUANTITIES

No.	ITEM	UNIT	QUANTITY
10a	Clearing & Grubbing Entire Project	Lump Sum	.
11a	Removal of Bridge, Sta 821 f	" "	.
11b	Removal of 13 Structures	" "	.
12a	Removing Fence	Lin.Ft.	28,200
13c	Unclassified Excavation	Cu.Yd.	212,000
13d	Cut Slope Treatment	Mi.	4
14a	Dry Rock Excavation (Structural)	Cu.Yd.	700
14b	Dry Common Excav.	" "	500
14c	Wet Rock Excavation	" "	300
14d	Wet Common Excav.	" "	200
18a	St. Yard Overhaul	Sta.Yd.	653,000
18b	Yard Mile Overhaul	Yd. Mi.	9,700
26a	Gravel or Crushed Rock Surfacing	Ton	21,900
46a	Class 'A' Concrete	Cu. Yd.	468
46b	Class 'B' Concrete	" "	81
47	Reinforcing Steel	Lb.	45,400
53b	18" Corrugated Metal Culvert Pipe	Lin.Ft.	2,322
53c	24" Corrugated Metal Culvert Pipe	" "	660
53d	30" Corrugated Metal Culvert Pipe	" "	128
53e	36" Corrugated Metal Culvert Pipe	" "	174
53f	42" Corrugated Metal Culvert Pipe	" "	190
55b	18" Corrugated Metal Siphon Pipe	" "	271
74	Wire Cable Guard Fence	" "	8032
76e	Combination Wire Fence With Untr'd Wood Posts	" "	52,400
76h	Driveway Gates	Each	20
77	Picket Snow Fence	Lin.Ft.	2,910
81a	Project Markers	Each	1
81b	Right of Way Markers	" "	55
85b	Trash Guards For 18" Siphon	" "	2
101	Gate Valve (8" Iron Body)	" "	1
	Obliterating Old Road	(Force Acct)	

FENCING REQUIREMENTS

STATION TO STATION	REMOV FENCE LEFT lin.ft	RIGHT lin.ft	COMBENS. REQD		GATES REQUIRED		
			LEFT lin.ft	RIGHT lin.ft	STATION	LEFT	RIGHT
637+00 673+00	3,580	3,580			660+00	1	1
673+00 679+00	600				670+00	1	1
683+00 687+00	400				714+50	1	1
738+00 739+00	200	200			789+40	1	1
750+00 761+50	110	130			805+00	1	1
761+50 769+00		900			805+20	1	1
762+50 769+00	650				817+00	1	1
769+00 770+50		150			821+50	1	1
770+50 772+50	200				822+00	1	1
772+00 802+00		3,000			828+30	1	2
789+00 801+50	1,300				855+00	1	1
805+50 806+00	140	140			856+25	1	1
817+00 824+00	900				883+20	1	1
818+00 827+20		750			888+35	1	1
827+50 867+50	4000				738+50	1	1
828+70 868+70		4000					
868+50 874+00		550					
878+50 882+50		400					
882+50 895+28.5	1,280						
885+00 895+28.5		1,030					
637+00 806+00			16,705				
637+00 895+28.5				26,675			
806+80 895+28.5			8,955				
	Totals	28,190	52,335				

GENERAL NOTES

This project is to be constructed in conformity with the Standard Specifications of the Colorado State Highway Department, adopted August 1, 1935.

All quantities on preliminary plans are to be considered approximate only.

All roadway excavation required to construct this project is to be obtained as indicated on the plans. Quantities involved beyond the limits of the ditch, as shown on the Typical Section, either noted on the plans as "Borrow" or on the List of Structures as "Embankment" are to be classified and paid for as "Unclassified Excavation". These quantities are to be staked as part of the original excavation at locations indicated on the plans.

Any slope stakes beyond the limits of the typical ditches are subject to change by the Engineer to fit embankment requirements actually encountered in construction.

All curves are to be super-elevated and widened in accordance with the Standard Super-elevation sheet included with the plans, unless otherwise noted on the plans.

All pipe cross culverts are to be provided with one headwall, that on the inlet end, unless otherwise noted on the plans.

The entire project is to be cleared for the full width of the right of way, except between Station 661+00 and Station 802+00 where heavy oak brush is to be left in place as a protection against drifting snow at locations where it does not restrict sight distance on curves.

From Station 637+00 to 670+00, 767+00 to 800+00 and 818+00 to 895+28.5 or at other places on the project where the new work is on the present traveled roadway, the contractor shall at his own expense, so prosecute construction that traffic can at all times readily pass over the road. The contractor shall maintain in safe condition and at his own expense all temporary approaches and crossings of intersecting roads.

RIGHT OF WAY MARKERS

STATION	LEFT	RIGHT
637+00	1	1
657+60	1	1
687+98.1	1	2
697+63.8	2	1
703+18	2	2
707+05.5	2	2
718+00	1	2
730+00	2	2
750+89.1	2	2
756+97.7	2	2
786+00	1	2
788+00	2	2
818+00	2	2
829+27.8	2	2
832+49.4	2	2
836+73.2	2	2
842+74.5	2	2
857+20.1	2	1
868+50	2	2
879+00	2	2
Total		55

WIRE CABLE GUARD FENCE

STATION TO STATION	LEFT lin.ft	RIGHT lin.ft
700+50 706+98	648	
700+70 706+70		600
710+00 712+64	264	
715+00 718+12	312	312
731+00 736+84	584	
731+00 737+32		632
742+50 746+42		392
742+68 746+12	344	
821+75 829+35		760
827+20 837+21.2	1,000	
848+50 850+50	200	
869+00 879+32	1032	
869+50 879+02		952
Total	8032	

PICKET SNOW FENCE

STATION TO STATION	LEFT Lin. Ft.	RIGHT Lin. Ft.
663+50 669+50	500	
756+20 760+57	502	
789+00 797+02	802	
805+00 809+02		402
812+00 816+02	402	
824+00 827+02	302	
Total	2910	

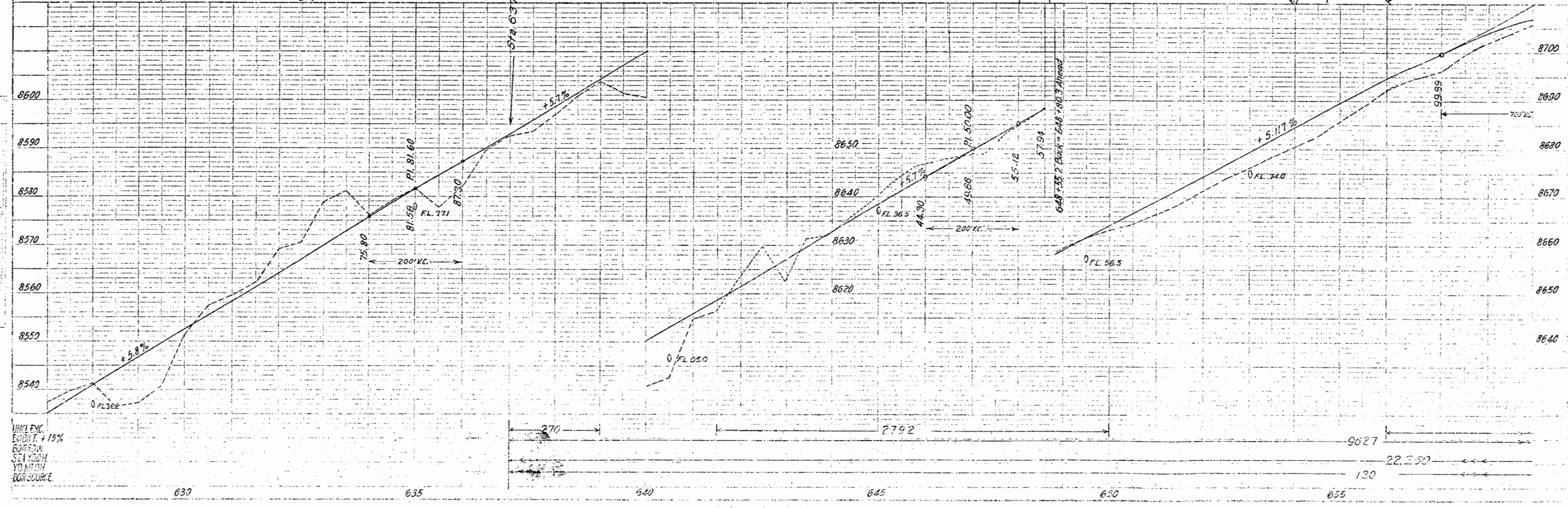
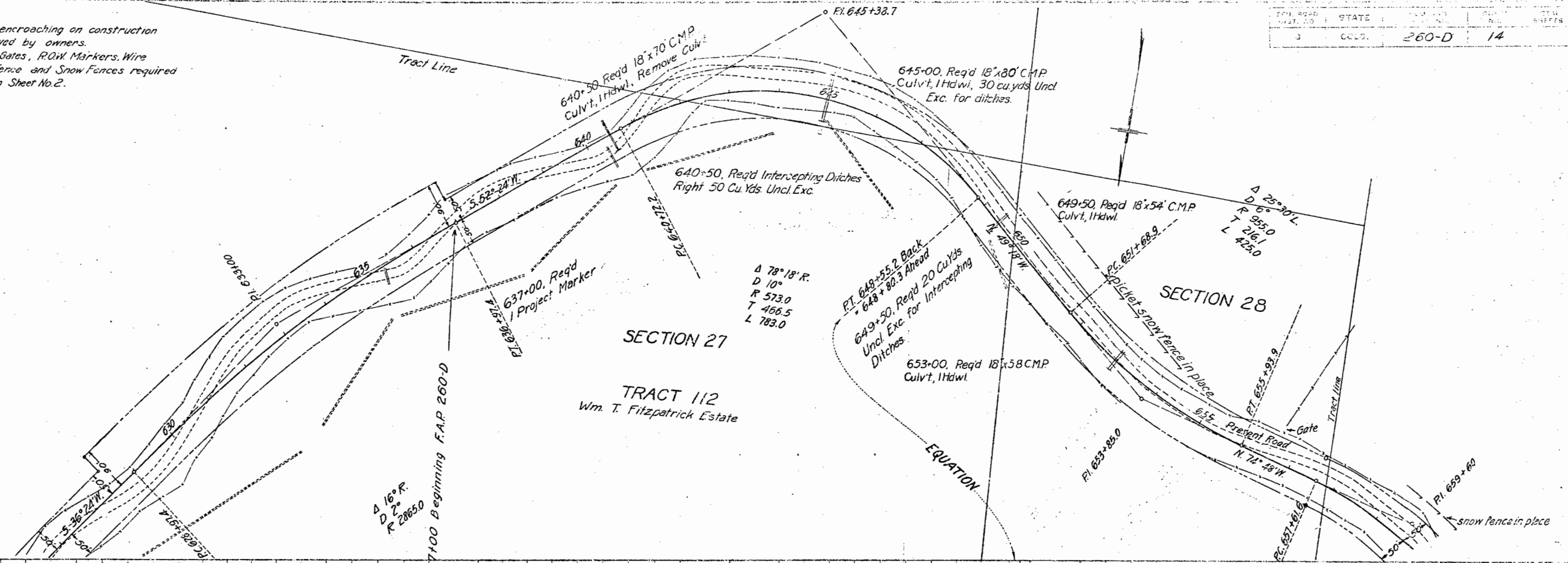
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RESIDENT ENGINEER

Sheets 2-3-4

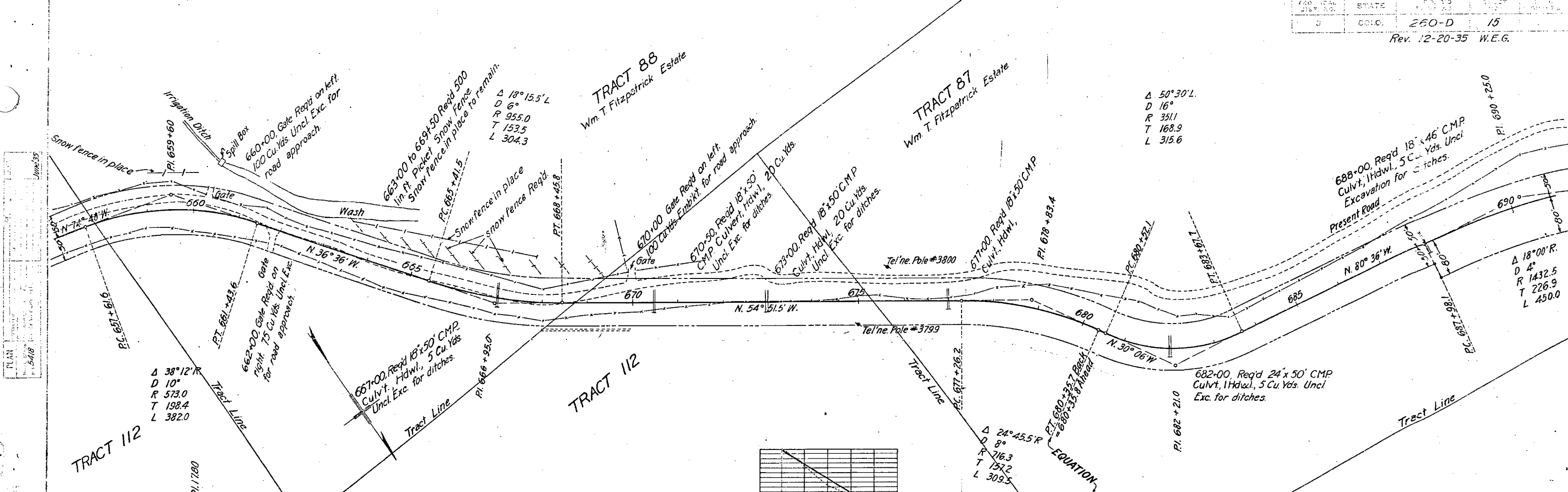
Note: Pole lines encroaching on construction are to be removed by owners.
 Fencing, Gates, R.O.W. Markers, Wire Cable Guard Fence and Snow Fences required are tabulated on Sheet No. 2.

STATE	260-D	14
COUNTY		

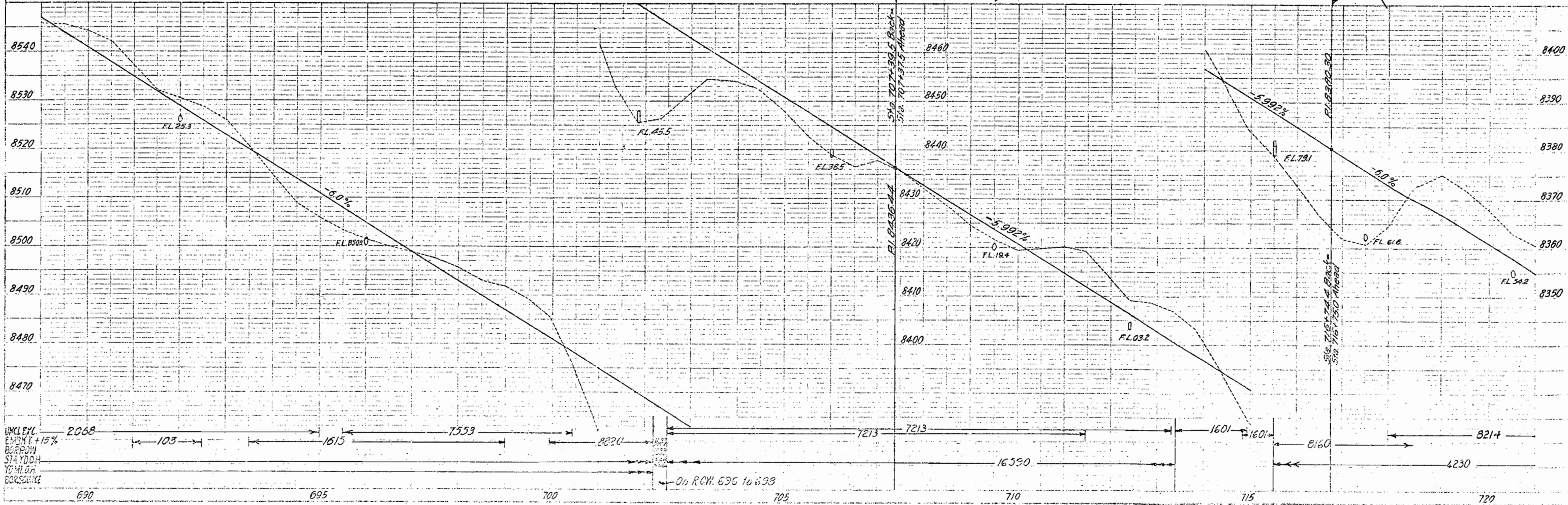
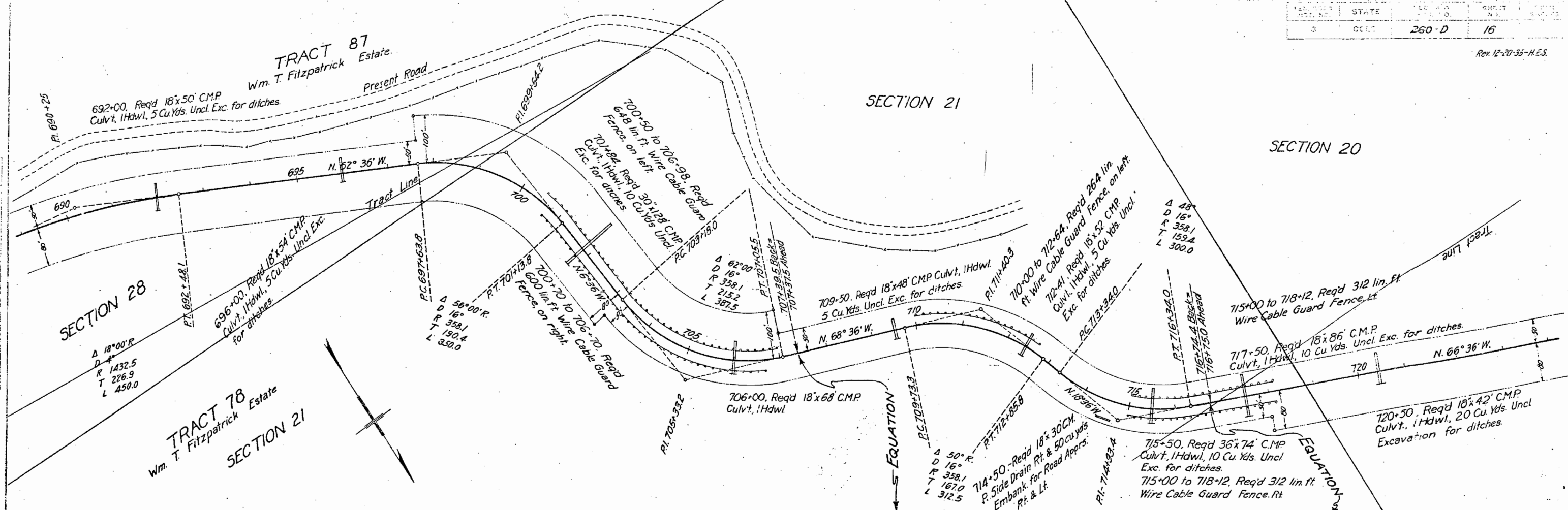
5418
 6-35



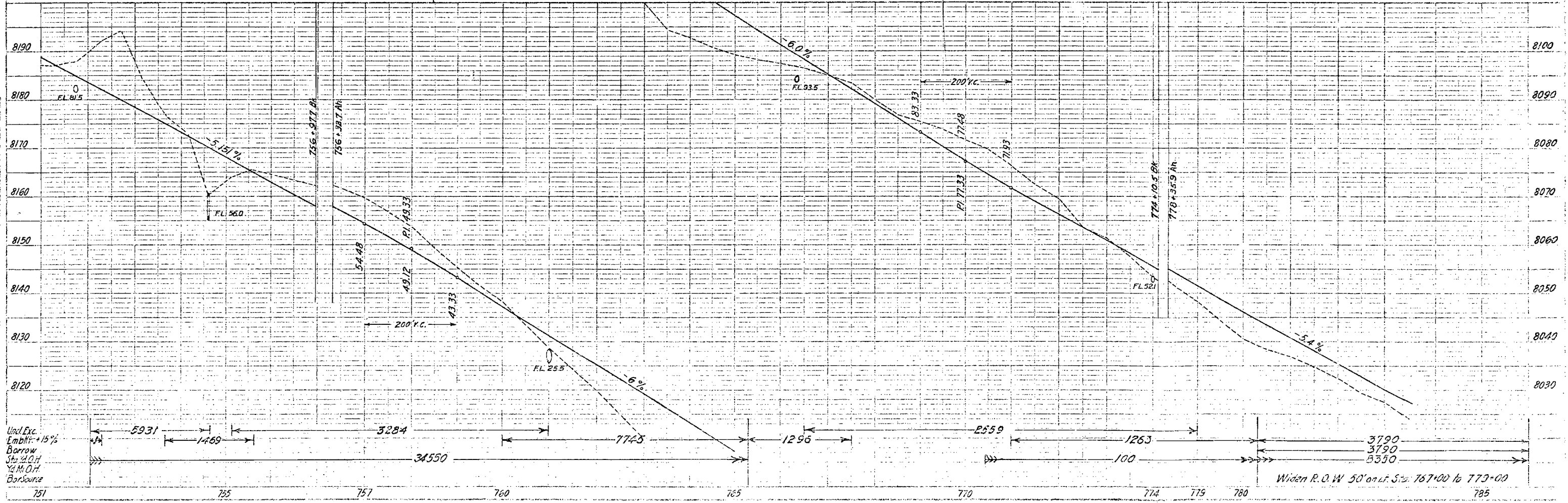
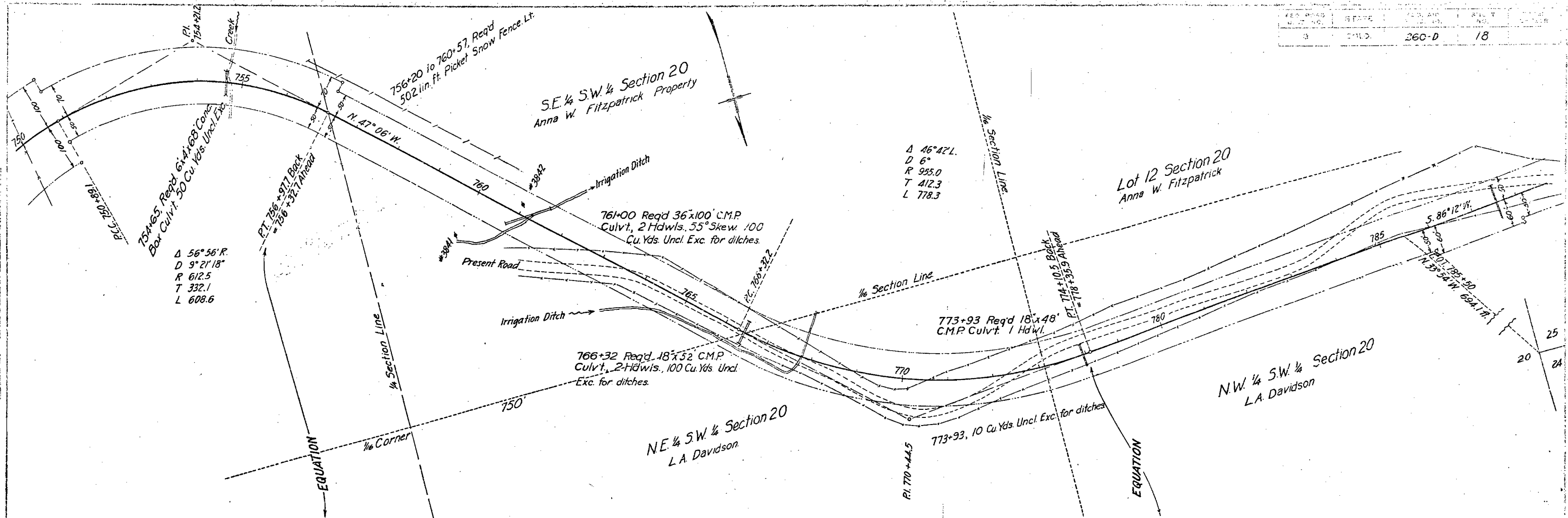
UNCL. EXC.
 15%
 BORROW
 SOURCE
 TO BE
 DETERMINED



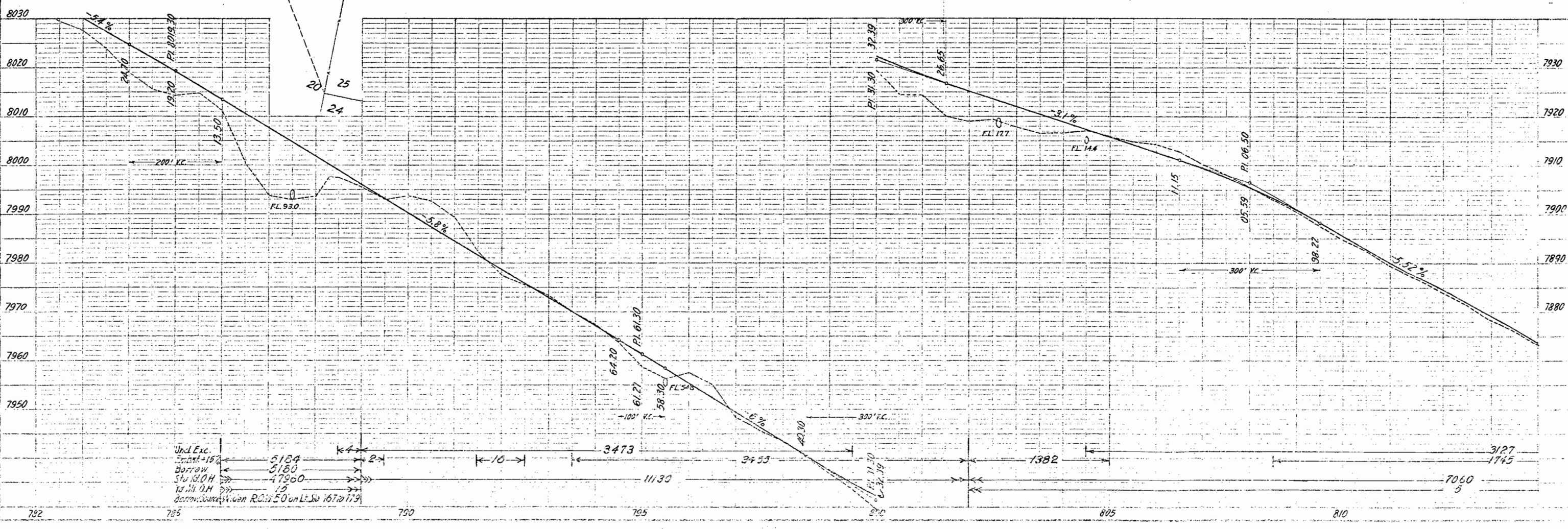
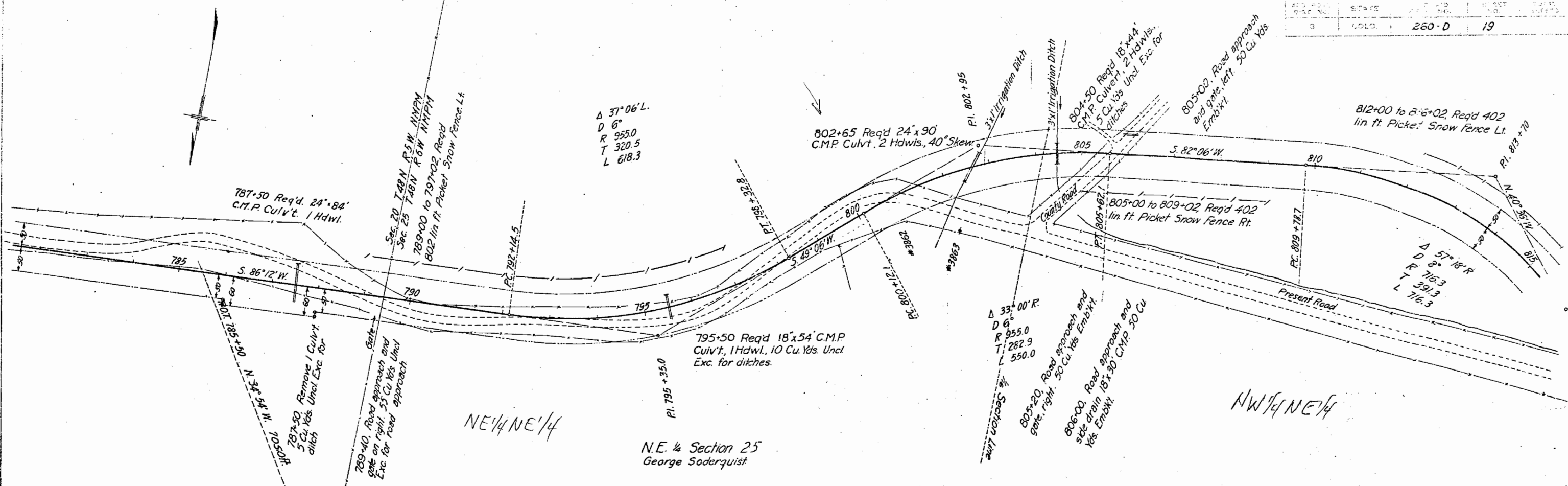
PLAN
 3418
 1/4" = 100'



PLAT
NO. 5534
DATE
JUNE 29

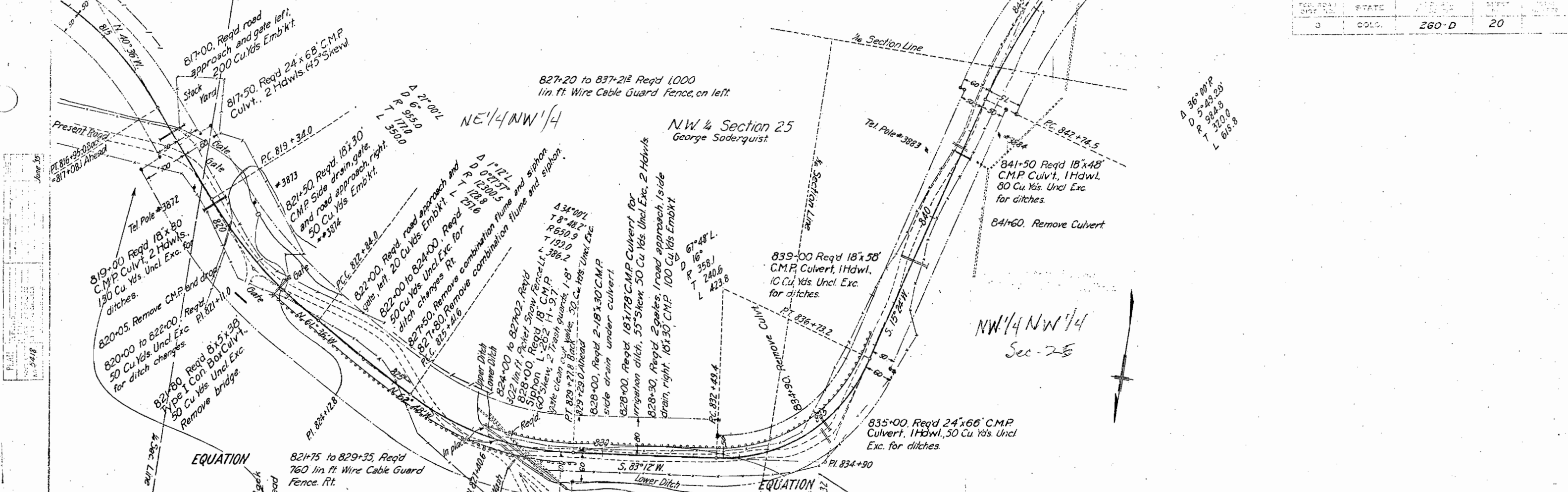


PLAN
 5418
 DATE
 5419
 5420



NE 1/4 NE 1/4
 N.E. 1/4 Section 25
 George Soderquist

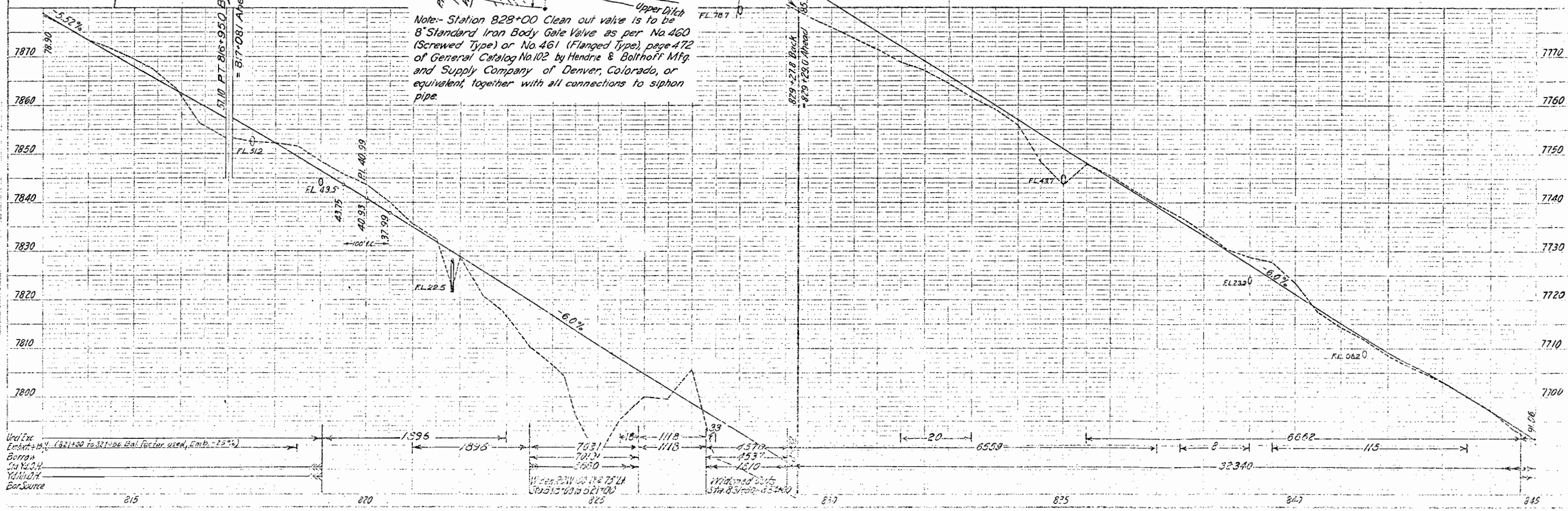
NW 1/4 NE 1/4



June 30
 5418
 5420

Δ 36° 00' P
 D 5-49-20
 R 984.8
 T 310.8
 L 616.8

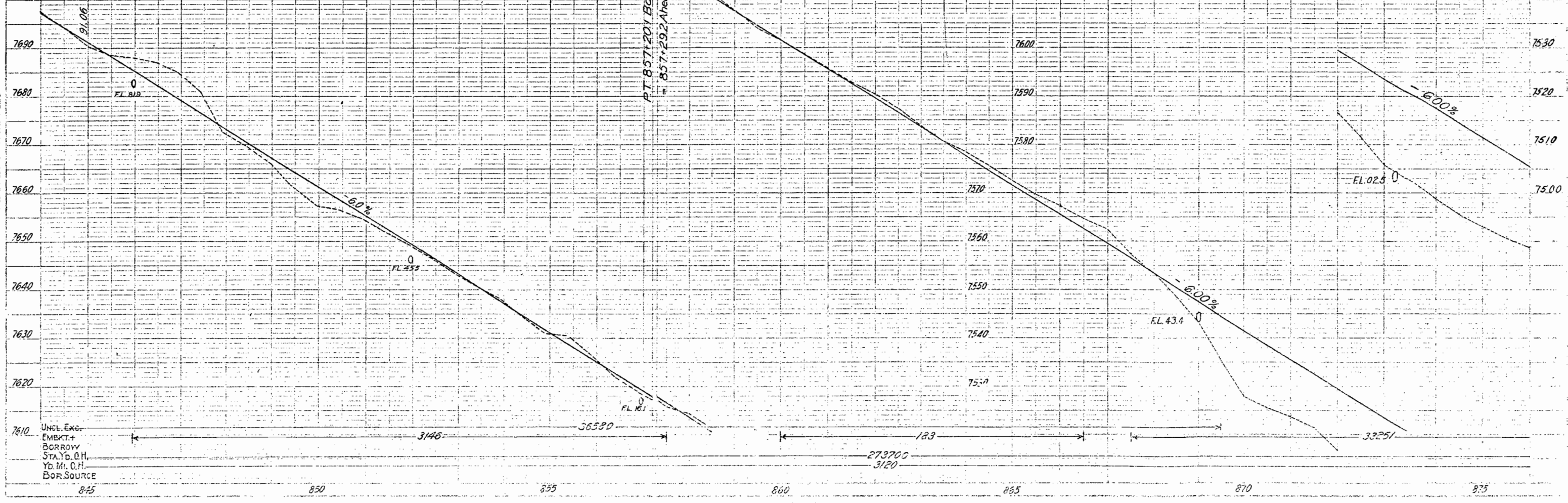
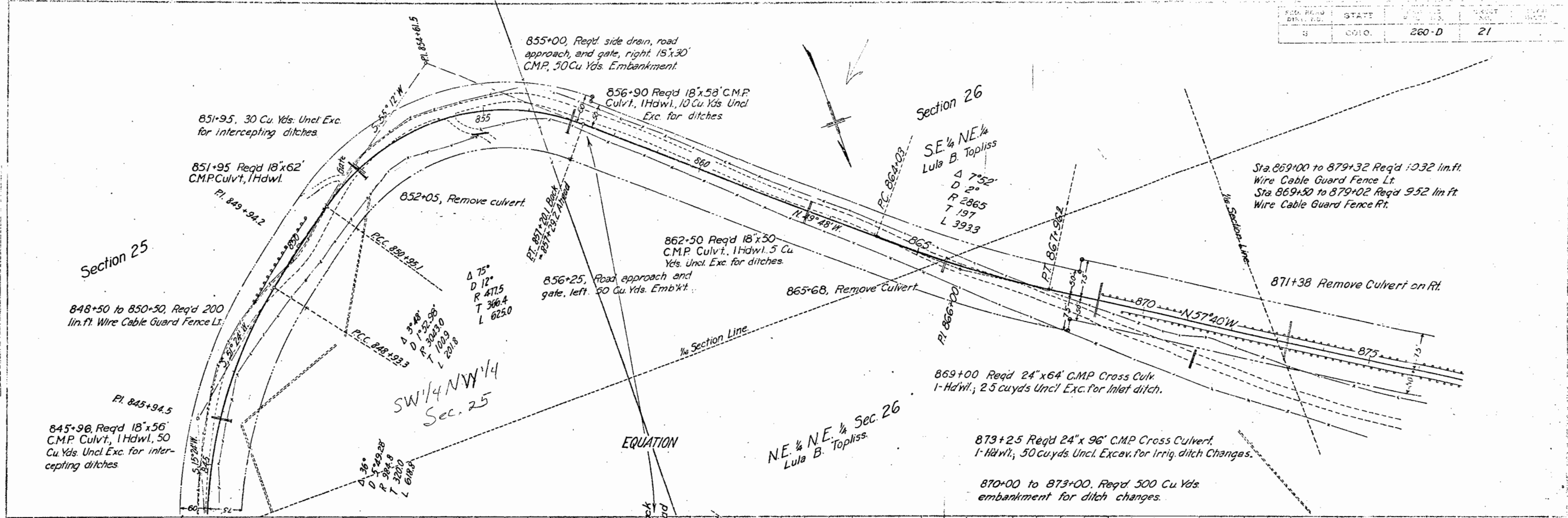
Note:- Station 828+00 Clean out valve is to be 8" Standard Iron Body Gate Valve as per No. 460 (Screwed Type) or No. 461 (Flanged Type), page 472 of General Catalog No. 102 by Hendrie & Bolthoff Mfg. and Supply Company of Denver, Colorado, or equivalent, together with all connections to siphon pipe.



Uncl Exc Embk't + 15% (621+00 to 821+00 Bal. Factor used, Embk't = 75%)
 Barron Sta Yds. H. Yds. W. L. Bar. Source

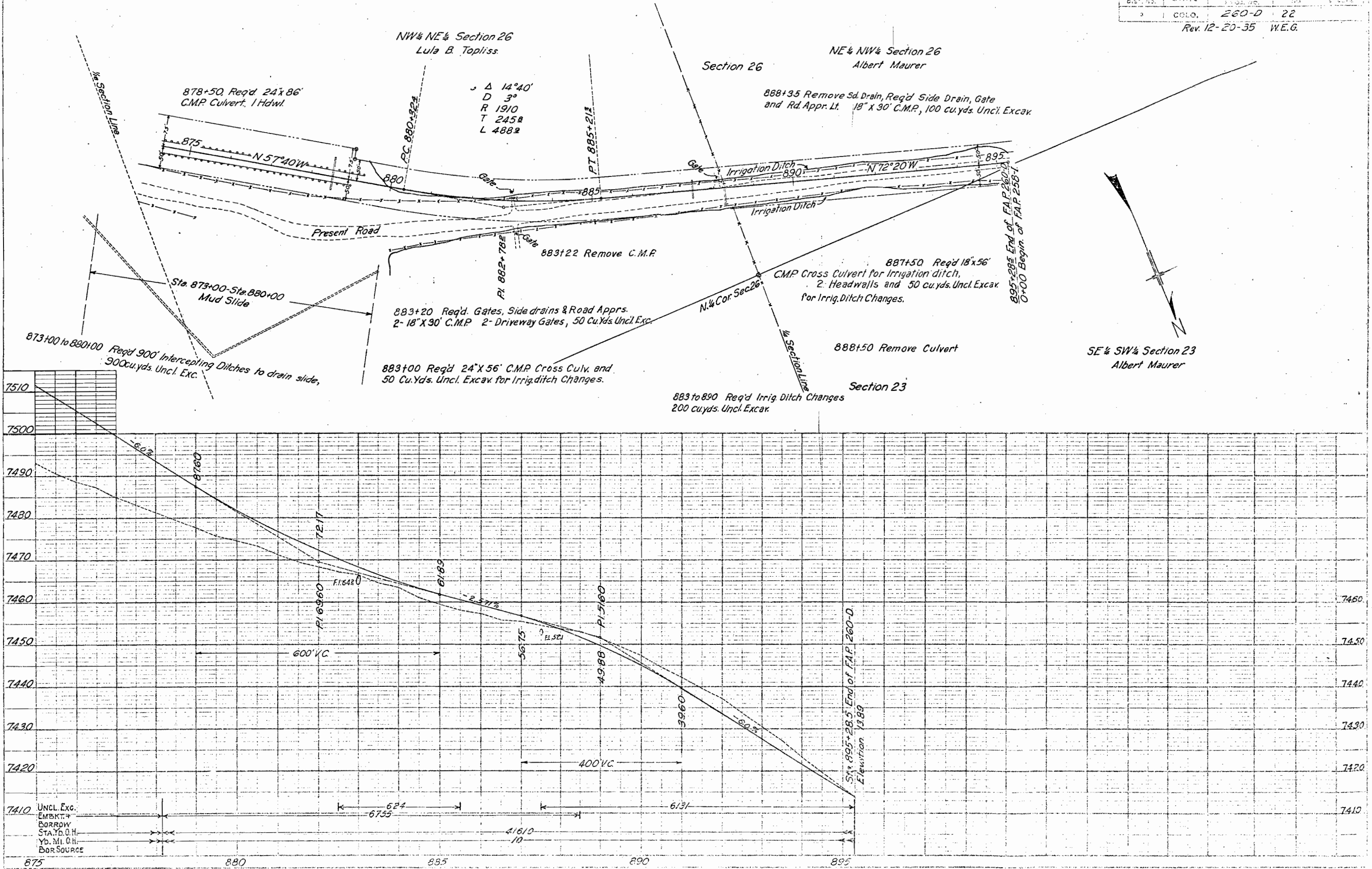
7031
 7013
 5880
 4577
 1537
 1510
 Widened Ditch Sta. 833+00 to 834+00

June 30
 5418
 5535

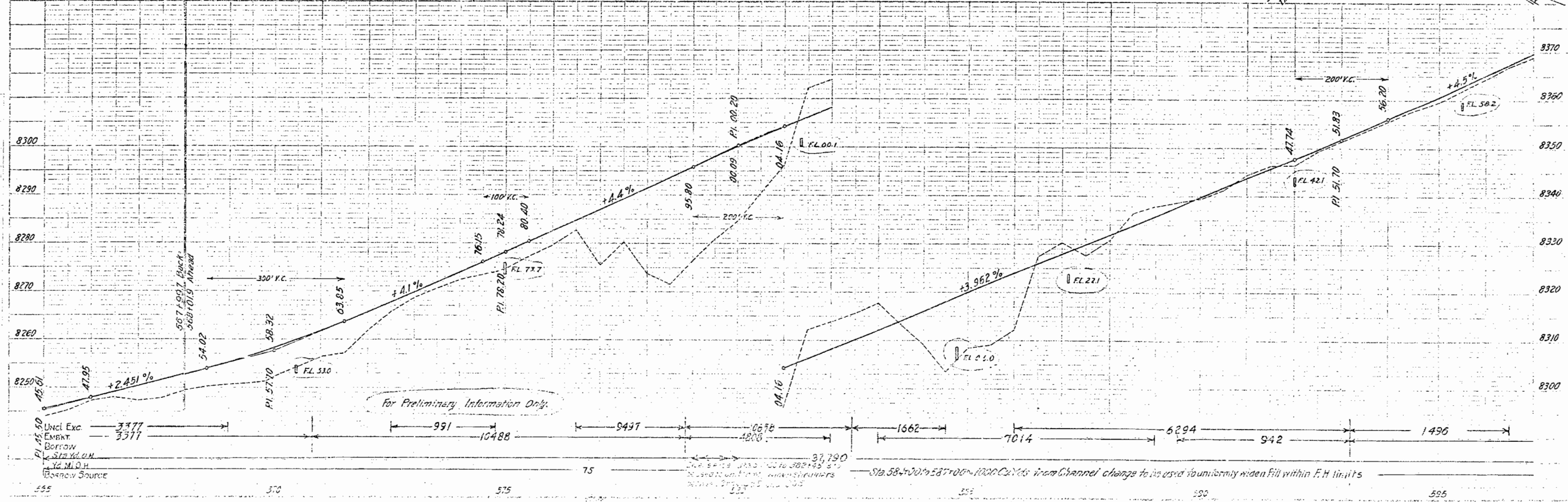
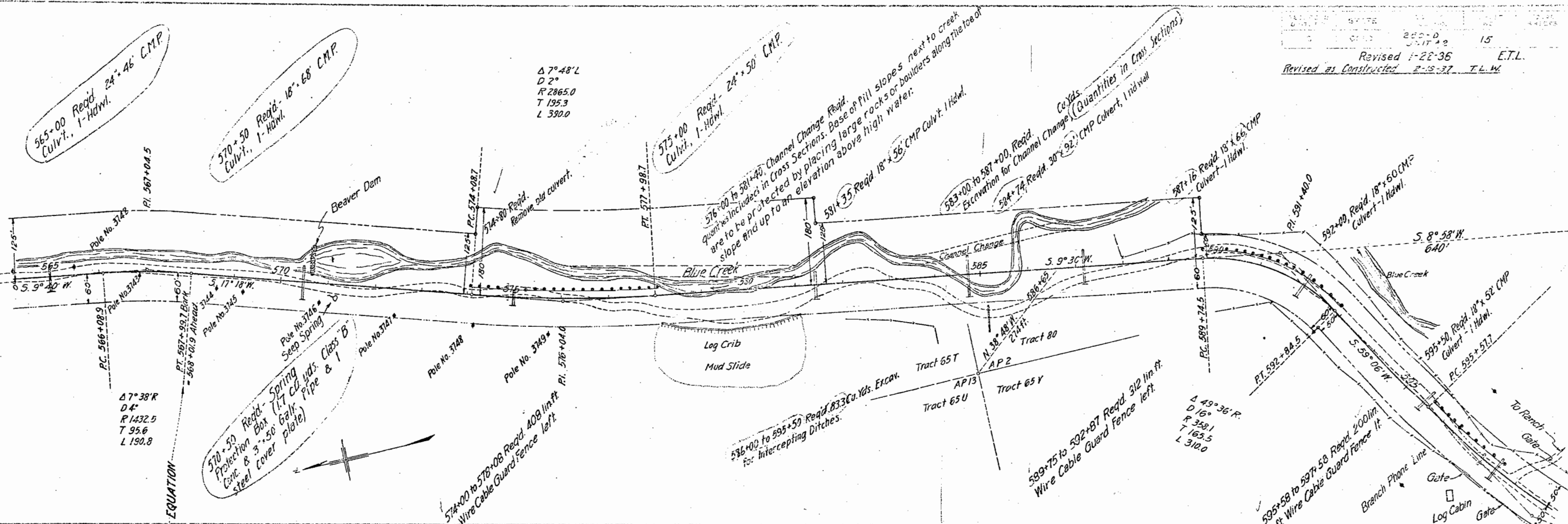


FILE NO. 194125
 NOTE BOOK NO. 5932
 C.A.A.

FILE NO. 194125
 NOTE BOOK NO. 5932
 E.A.A.



Δ 7° 48' L
 D 2°
 R 2865.0
 T 195.3
 L 390.0



6-35
 A.J. Strong

5418

5419

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	26-1-2 UN - #2	17	

Revised as Constructed - 2-19-37 T.L.W.

PLAN
NOTE: SEE SHEET NO. 5418
EAA

EAA
5420

