

COLORADO STATE HIGHWAY DEPARTMENT

INDEX OF SHEETS

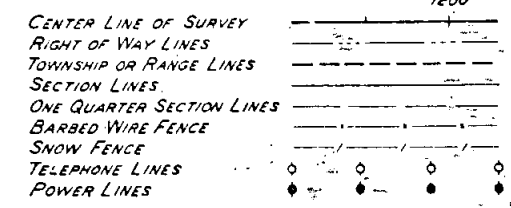
- SHEET NO. 1. SKETCH MAP & TITLE SHEET
- 2. TYPICAL SECTION & SUMMARY OF QUANTITIES
- 3 TO 6. LIST OF STRUCTURES
- 7. DETAILS OF BRIDGE, STA. 786+ & STA. 1539+
- 8. " " " " STA. 826+
- 9. " " " " STA. 1294+
- 10. STRUTTING DIAGRAMS & DETAILS OF MULTIPLE PLATE CULVERTS
- 11. DETAILS & LAYOUT OF MULTIPLE PLATE CULVERT, STA. 1482+ & 1602+
- 12. " OF HANGING FENCE, STA. 1294+
- 13. STANDARD CONCRETE BOX CULVERTS
- 14. " " " "
- 15. " HEADWALLS FOR C.M.P. CULVERTS
- 16. " CATTLE GUARD 16 FT. ROADWAY
- 17. " TIMBER GUARD POSTS
- 18. " WIRE FENCES WITH STEEL POSTS & MARKER POSTS
- 19. " PICKET SNOW FENCE WITH STEEL POSTS
- 20. " STRUCTURE NUMBER LETTERING
- 21. STANDARD METHODS FOR SUPERELEVATION & WIDENING OF CURVES
- 22. TYPICAL SIDE APPROACH ROADS / ROADWAY CONSTRUCTION TRAFFIC SIGNS
- 23 TO 59. ALIGNMENT PLAN & PROFILE
- 60-70 217-GROSS SECTIONS

PLAN AND PROFILE OF PROPOSED P.W.A. DOCKET COLO. 804-D PROJECT NO. 351-D STATE HIGHWAY NO. 102 ADAMS & ARAPAHOE COUNTIES

SCALES OF ORIGINAL TRACINGS

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 104,368.7 FEET = 19.766 MILES
NET LENGTH OF PROJECT 101,568.7 FEET = 19.236 MILES

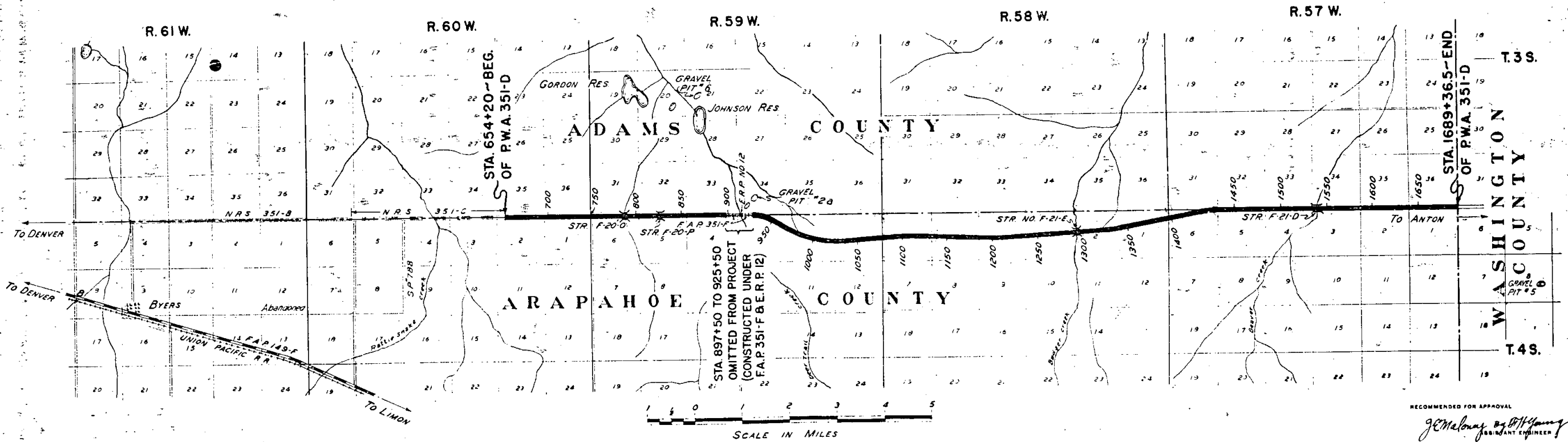
CONVENTIONAL SIGNS



Note

It is recommended that bidders on this Project go over the plan details with one of the following field representatives of this department:

E.E. Montgomery Division Engineer Denver, Colo.
B.T. Miller Resident Engineer



RECOMMENDED FOR APPROVAL
J.C. Maloney
 ASSISTANT ENGINEER
 APPROVED
Charles V. Miller
 STATE HIGHWAY ENGINEER
 RECOMMENDED FOR APPROVAL
 DIST. ENG. BUREAU PUBLIC ROADS
 RECOMMENDED FOR APPROVAL
 CHIEF ENG. BUREAU PUBLIC ROADS
 APPROVED
 DIRECTOR BUREAU PUBLIC ROADS

R.O.W. MARKERS

STATION	SIDE	No
654+20	R&L	2
670+00	R&L	2
696+00	L	1
696+26	R	1
723+05	R&L	2
749+15	R&L	2
775+40	L	1
775+80	R	1
802+55	L	1
802+87	R	1
829+27	R&L	2
856+47	R&L	2
883+05	R&L	2
897+50	R&L	2
897+50	R&L	2
926+00	R&L	2
936+35	R	1
966+62	L	1
967+75	R	1
1000+50	L	1
1000+88	R	1
1023+45	R&L	2
1049+90	R	1
1050+10	L	1
1076+58	R	1
1076+78	L	1
1103+40	R&L	2
1130+40	R&L	2
1156+46	R&L	2
1182+30	R&L	2
1208+60	R	1
1208+65	L	1
1234+99	R	1
1235+17	L	1
1261+70	R	1
1261+80	L	1
1288+35	R	1
1288+46.5	L	1
1314+65	R	1
1314+84.5	L	1
1341+50	R	1
1342+00	L	1
1367+80	R	1
1368+20	L	1
1394+00	R	1
1394+40	L	1
1420+00	R&L	2
1441+01	R&L	2
1458+00	R&L	2
1484+40	R&L	2
1510+00	R&L	2
1536+38	R	1
1536+40	L	2
1545+00	L	2
1562+38	R&L	2
1588+00	R&L	2
1614+19	R&L	2
1640+05	L	1
1664+70	R&L	2
1689+00	R&L	2
1640+06.25	R	1
TOTAL		88

LIST OF STRUCTURES
CONTINUED FROM SHEET NO. 5

FED. ROAD DIST. NO.	STATE	P.W.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	6	

Revised as Constructed 4-17-39 R.S.M.

STATION	DESCRIPTION	REMOVE STRUCT. NO.	UNCLASSIFIED		STRUCTURAL EXCAVATION CU. YDS.	GRAVEL OR CR. ROCK SURFACING TONS	CONCRETE		REINFC. STEEL LBS.	CORRUGATED METAL CULVERT PIPE LIN. FT.			MULTIPLE PLATE CORRUGATED METAL CULVERT LIN. FT.		DRY RUBBLE SLOPE PAVING SQ. YD.	MISCELLANEOUS
			CU. YDS.				CLASS CLASS	24" 30" 36"		48" 54"	105"					
			EXCAV.	EMBANK *								'A'	'B'			
1612+23	Intercepting Ditch Lt.		4.2	1.0												
1612+00	Road Approaches Rt. & Lt.			66.5												
1620+50	C.M.P. Cross Culvert				32			1.65	56							
1637+00	" " & Outlet		6.6		253			1.65	64							
1637+20	Road Approach Rt.			60.4												
	" " Lt.			37.7												
1657+00	C.M.P. Cross Culvert & Outlet Ditch		16.5		216			1.65	66							
1657+20	Road Approaches Rt. & Lt.			147.7												
1677+00	C.M.P. Cross Culvert & Outlet Ditch		42.4		169			1.65	60							
1689+36.5	" Side Drain & Road Approach Lt.		107.9		9.0				40							
	" " Rt.		92.9		7.1				40							
	Remove 18"x30 Side Drains Rt. & Lt.	2														
	Project Marker & Approach to Project		*Included in Rowly X-Sections													
1294+	Hanging Fence on Lt.															1-Hanging Fence
TOTALS		34	2834.5	3657.5	2675.7			1003.17475	77209	2366.674	756	66	96	207.5		398.68

*Structural excavation is all Dry Common

LIST OF GATES

STATION	SIDE	BUILD			STATION	SIDE	BUILD		
		BARBED WIRE	DRIVE-WAY	WALK			BARBED WIRE	DRIVE-WAY	WALK
671+30	R&L	2			1443+00	R&L	4		
696+25	L	1			1468+00	R&L	2		
776+05	R	1			1488+34	R&L	2		
779+00	L	1			1510+60	R	1		
789+50	R	1			1547+00	R&L	2		
857+36	R	1			1612+00	R&L	2		
858+90	L	1			1637+10	R&L	2		
					1657+20	R&L	2		
925+50	L		1						
925+69	R	1							
956+00	R	1							
987+00	R&L	2							
1023+20	R&L	4							
1054+00	R&L	2							
1083+25	R&L	2							
1121+00	R&L	2							
1130+15	R&L	4							
1149+00	R&L	2							
1182+60	R&L	2	2						
1208+92	R&L	2	2						
1251+00	R&L	2							
1294+37	L	1							
1295+63	L	1							
1304+00	R&L	2							
1315+00	R&L	4							
1328+00	R&L	2							
1383+00	R&L	2							
1410+50	R&L	2							
TOTALS							65	5	

FENCING REQUIREMENTS

STATION	SIDE	REMOVE FENCE LIN. FT.	BUILD FENCE		STATION	SIDE	REMOVE FENCE LIN. FT.	BUILD FENCE	
			BARBED WIRE	COMBINATION				BARBED WIRE	COMBINATION
654+20-749+49	L	9675			1314+92	X	210		
654+20-749+25	R	9935			654+20-749+25	R		9505	
749+77-801+50	R	5525			749+77-801+43	R		5166	
749+91-775+38	L	2675			802+06-854+29	R		5223	
777+89-802+50	L	2690			857+49-897+50	R		4026	
802+06-854+29	R	5510			925+50-1182+81	R		25731	
803+17-836+84	L	3500			1182+81-1208+91	R		2610	
837+20-857+15	L	2135			1208+91-1588+00	R		38761	
837+49-897+50	R	4075			1592+00-1689+06.5	R		9707	
857+72-897+50	L	4055							
925+50-933+80	L	860			654+20-749+49	L		9529	
925+50-931+51	R	605			749+91-775+38	L		2547	
931+51-936+50	L	510			777+89-802+50	L		2461	
966+20	X	235			803+17-836+84	L		3367	
986+93	X	215			837+20-857+15	L		1995	
1000+69	X	140			857+72-897+50	L		4003	
1000+53-1004+65	L	410			925+50-933+85	L		835	
1023+08	X	205			936+50-1182+33	L		24583	
1076+18	X	205			1182+81-1208+91	L		2610	
1103+42	X	140			1208+91-1588+00	L		38961	
1103+40-1118+39	R	1540			1588+50-1689+06.5	L		10047	
1121+90-1129+93	R	870							
1129+93	X	205							
1182+33	X	205							
1182+81	X	205							
1208+91	X	205							
1278+83	X	265							
1301+16	X	220							
TOTALS							57,235	196,447	5,220

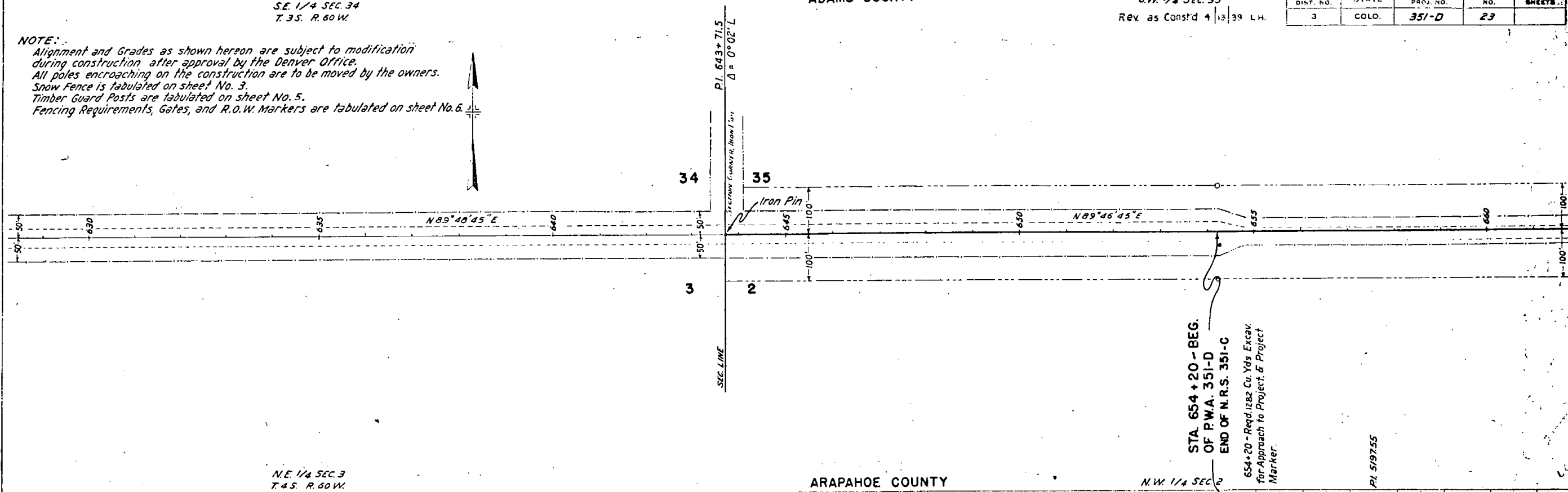
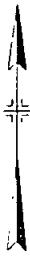
SE 1/4 SEC. 34
T. 3S. R. 60W.

ADAMS COUNTY

SW 1/4 SEC. 35
REV. as Const'd 4/13/39 L.H.

FED. ROAD DIST. NO.	STATE	RWA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	23	

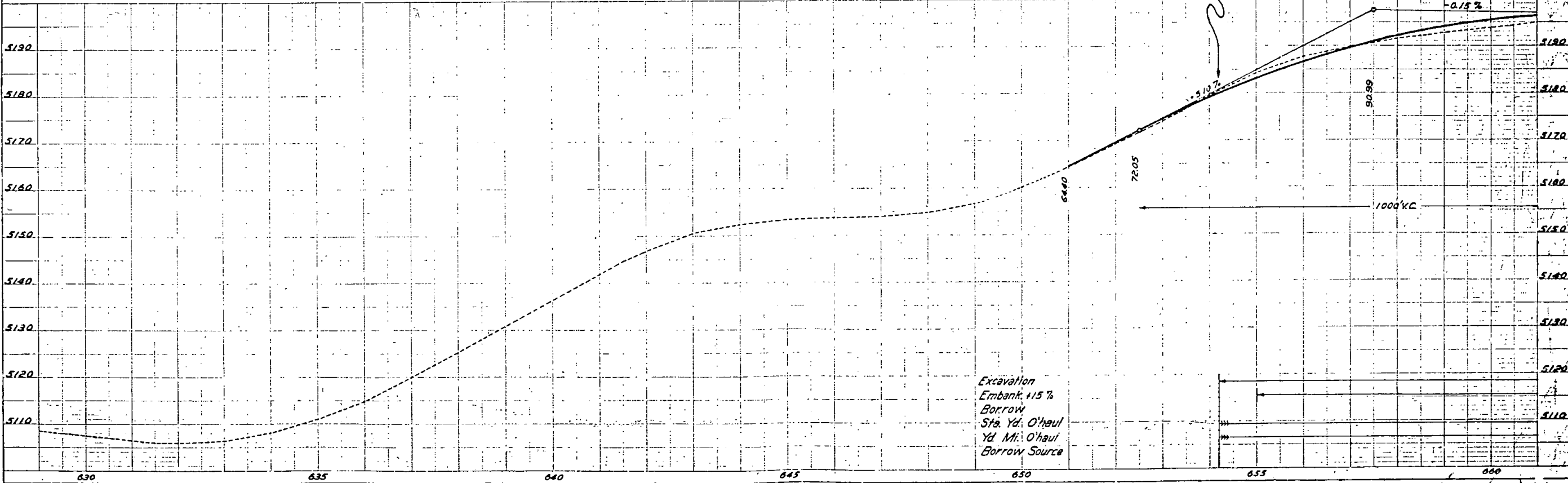
NOTE:
Alignment and Grades as shown hereon are subject to modification during construction after approval by the Denver Office.
All poles encroaching on the construction are to be moved by the owners.
Snow Fence is tabulated on sheet No. 3.
Timber Guard Posts are tabulated on sheet No. 5.
Fencing Requirements, Gates, and R.O.W. Markers are tabulated on sheet No. 6.



NE 1/4 SEC. 3
T. 4S. R. 60W.

ARAPAHOE COUNTY

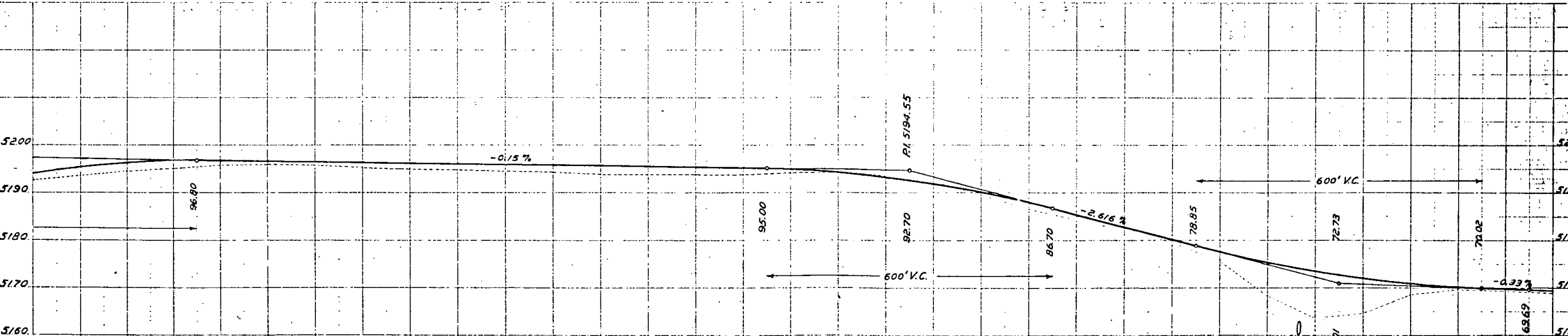
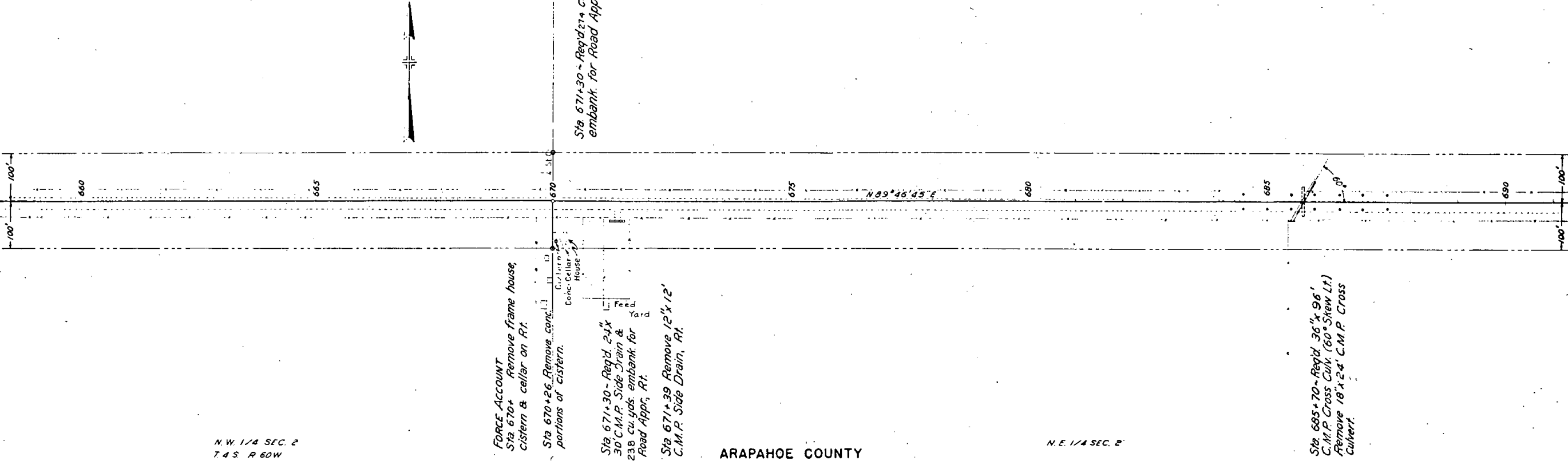
N.W. 1/4 SEC. 2



STA. 654 + 20 - BEG.
OF P.W.A. 351-D
END OF N.R.S. 351-C
654+20 - Reqd. 1282 Cu. Yds Excav.
for Approach to Project. & Project
Marker.

PLAN	NO. 351-D	DATE	4/13/39
BY	L.H.	CHECKED	

PROFILE	NO. 351-D	DATE	4/13/39
BY	L.H.	CHECKED	



PRELIMINARY DATA ONLY

Excavation	3244	761	5078	3159
Embank + 15%	3244	761	5078	3159
Borrow				
Sta. Yd. O'haul	8001		5073	112
Yd. M' O'haul	B			
Borrow Source				

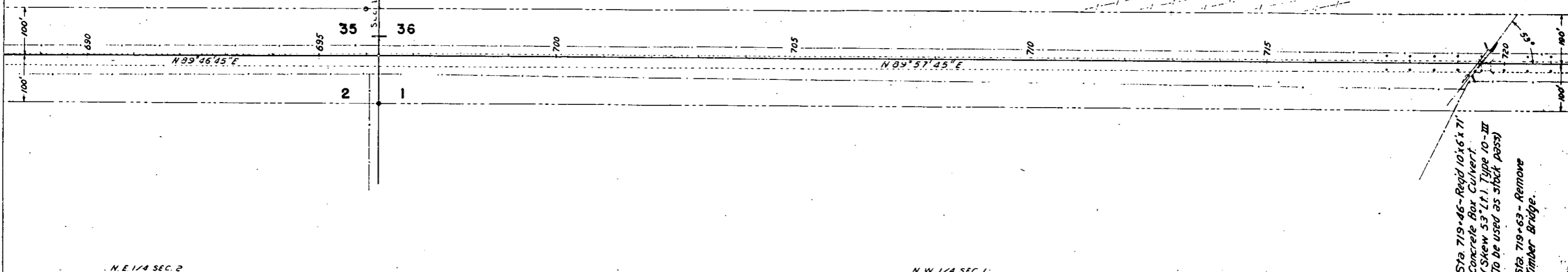
PLAN
SCALE
DATE
BY

PROFILE
SCALE
DATE
BY

DATE	BY	REVISION
5-1-39	J.M.A.	25

Sta 696+36.2 - Reqd. 24" x 30" C.M.P.
Side Drain & 42.6 cu yds. embank.
for Road Apprs. Lt.

Sec. Line - P.I. Sta 696+85.6
Δ = 0° 11' R



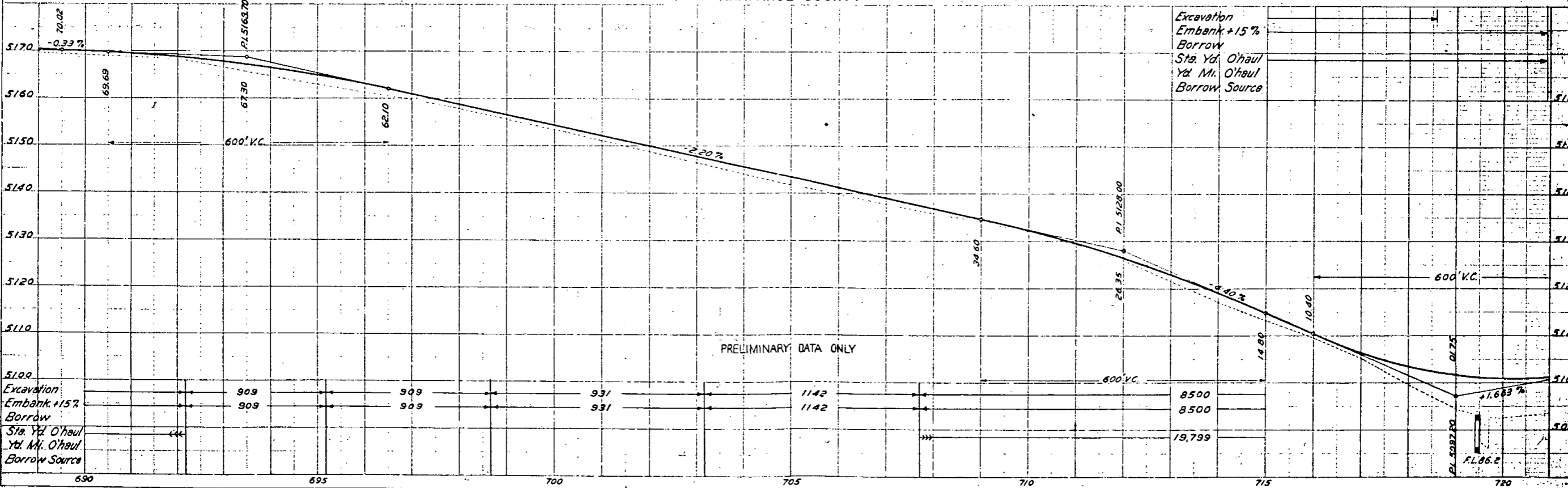
Sta. 719+46 - Reqd 10x6' x 71'
Concrete Box Culvert
(Skew 53° Lt.) Type 10-III
(to be used as stock pass)

Sta. 719+63 - Remove
Timber Bridge.

N.E. 1/4 SEC. 2
T.4 S. R.60 W.

ARAPAHOE COUNTY

N.W. 1/4 SEC. 1



PRELIMINARY DATA ONLY

Excavation
Embank +15%
Borrow
Sta. Yd. O'haul
Yd. Ml. O'haul
Borrow Source

FILE
DATE
BY
REVISION

PROFILE
DATE
BY
REVISION

SW 1/4 SEC 36
T 3 S. R 60 W.

ADAMS COUNTY

SE 1/4 SEC 36

Rev. as Const'd 4/13/39 L.H.

Sta. 749+68.5 - Req'd. 30" x 48" C.M.P. Side Drain @ 3074 C.U. yds. embank for Road Approach Lt. Remove 18' x 24' C.M.P. Side Drain Lt.

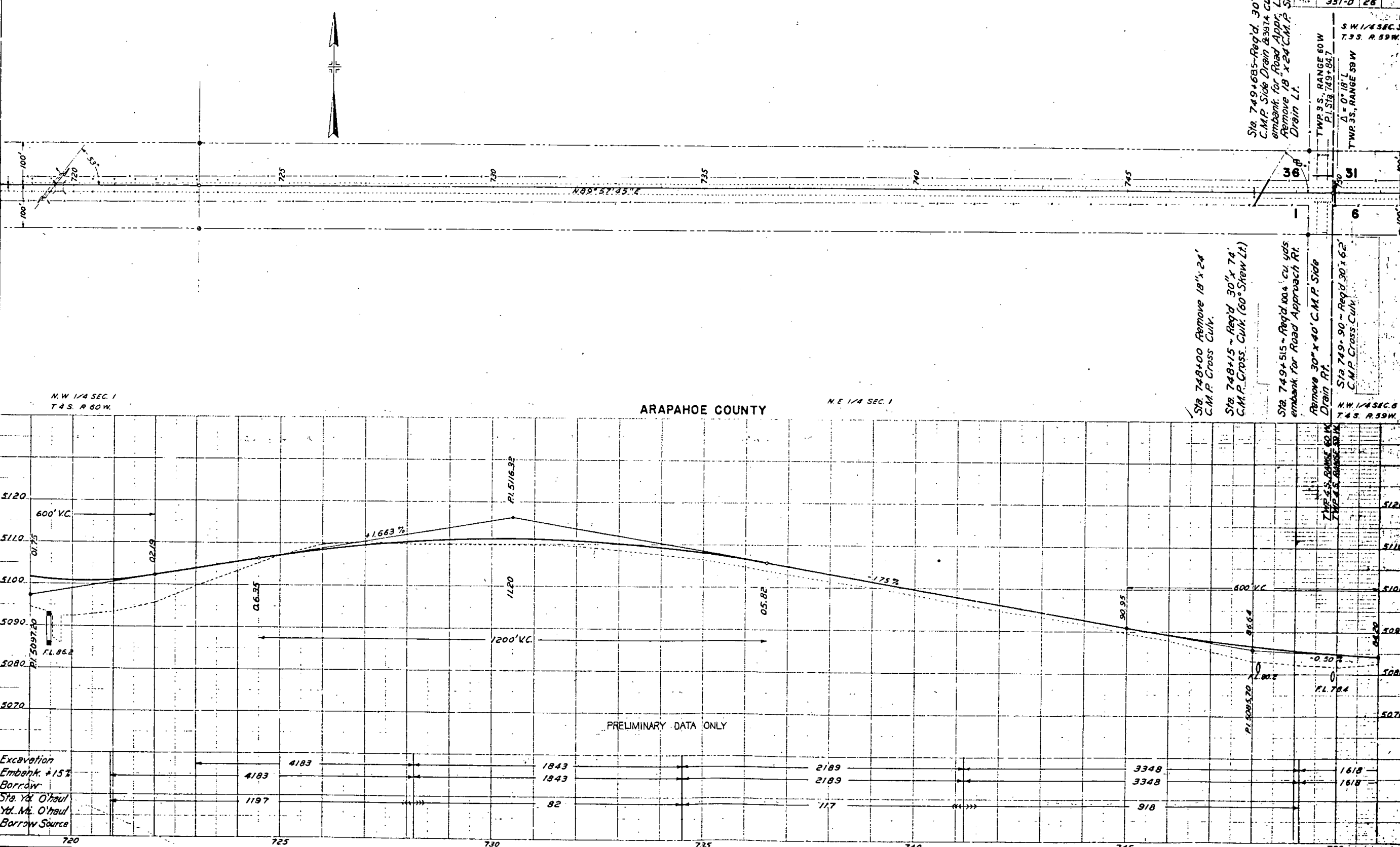
TWP 9 S., RANGE 60 W. P.I. Sta. 749+84.7 Δ = 0° 18' L TWP 3 S., RANGE 59 W.

R.M.A. 351-D 26

SW 1/4 SEC. 31 T. 3 S. R. 59 W.

PLAN
DATE 1/24/39
BY L.H.

PROFILE
DATE 1/24/39
BY L.H.



N.W. 1/4 SEC. 1
T 4 S. R 60 W.

ARAPAHOE COUNTY

N.E. 1/4 SEC. 1

Sta. 748+00 Remove 18" x 24' C.M.P. Cross Culv.

Sta. 748+15 ~ Req'd. 30" x 74' C.M.P. Cross. Culv. (60° Stew Lt.)

Sta. 749+515 ~ Req'd. 100' cu. yds. embank for Road Approach Rt. Remove 30" x 40' C.M.P. Side Drain Rt.

Sta. 749+90 ~ Req'd. 30' x 62' C.M.P. Cross. Culv.

N.W. 1/4 SEC. 6 T. 4 S. R. 59 W.

TWP 5 S., RANGE 60 W. TWP 2 S., RANGE 59 W.

720 725 730 735 740 745 750

S.E. 1/4 SEC. 36
T. 35. R. 60W.

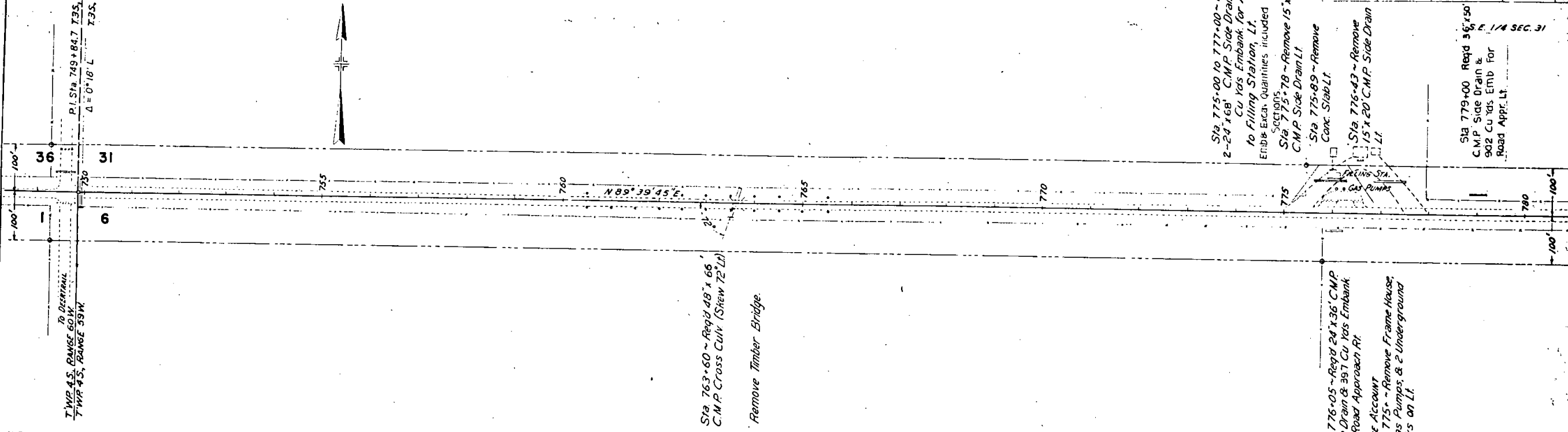
SW 1/4 SEC. 31
T. 35. R. 59W.

ADAMS COUNTY

Rev as Const'd 4/14/39 LH

FED. ROAD DIST. NO.	STATE	FHA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	27	

PLAN	DATE
DESIGNED BY N. H. T.	
PLOTTED BY N. H. T.	
ALIGNED CHECKED BY N. H. T.	
IN CHARGE OF WORK N. H. T.	



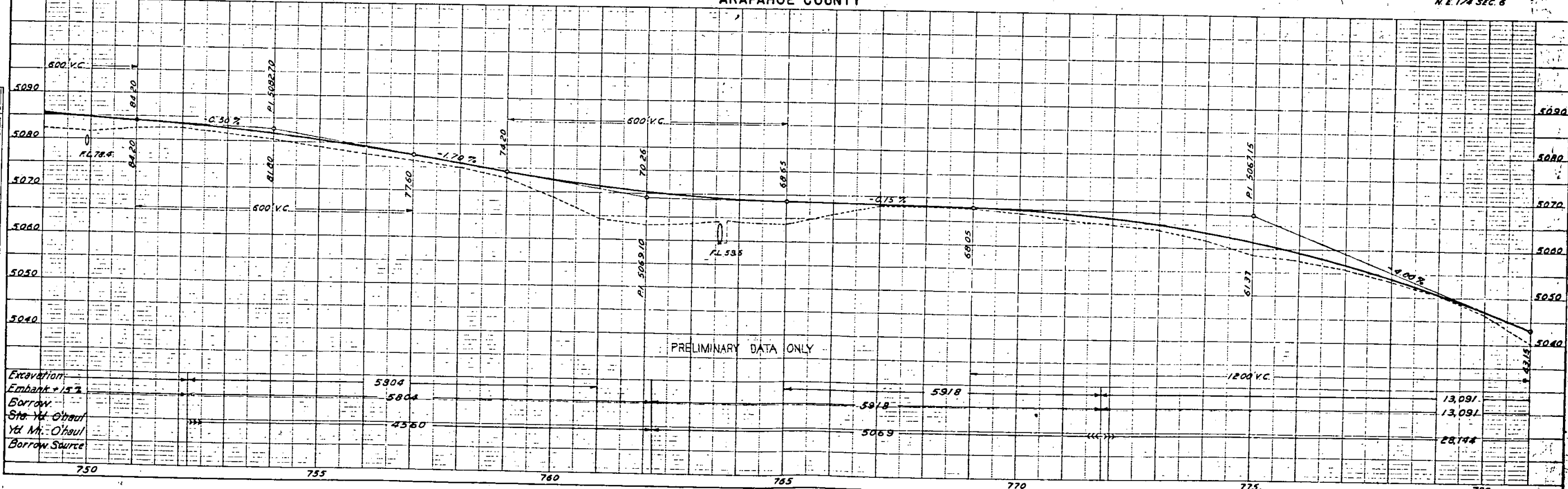
N.E. 1/4 SEC. 1
T. 4 S. R. 60W.

N.W. 1/4 SEC. 6
T. 4 S. R. 59W.

ARAPAHOE COUNTY

N.E. 1/4 SEC. 6

PROFILE	DATE
DESIGNED BY N. H. T.	
PLOTTED BY N. H. T.	
GRADES CALC'D BY N. H. T.	
IN CHARGE OF WORK N. H. T.	



S W 1/4 SEC 32
T 3 S R 59 W

ADAMS COUNTY

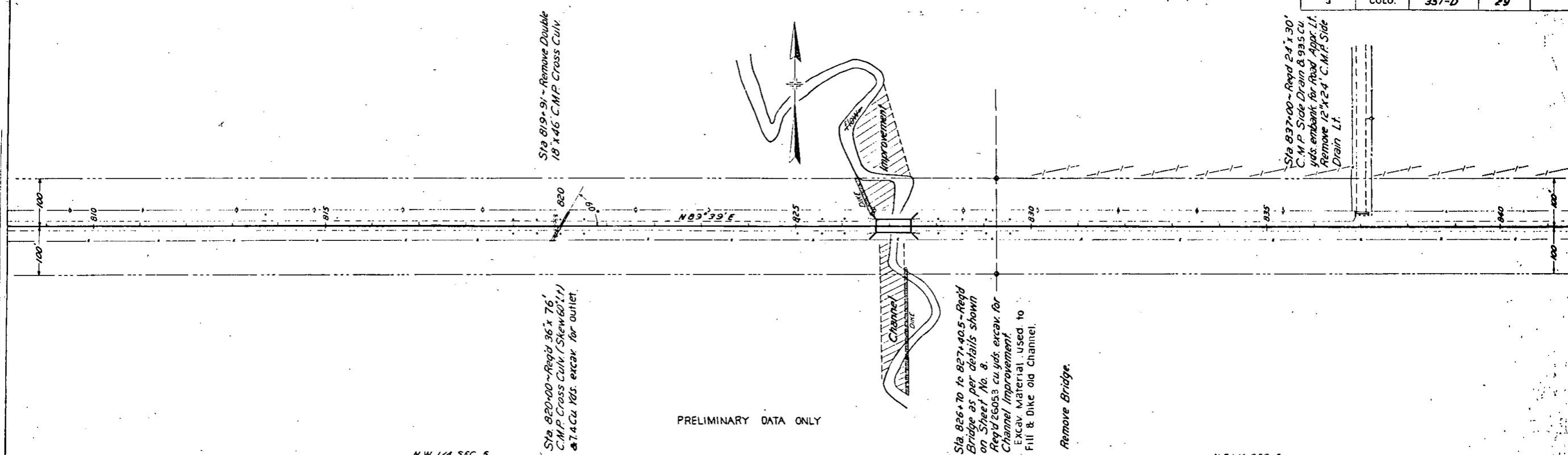
S E 1/4 SEC 32

Rev. as Const'd 4 | 14 | 39 L.H.

FED. ROAD DIST. NO.	STATE	P.W.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	29	

PLAN	DATE	BY	CHKD.
NO. 2333			

PROFILE	DATE	BY	CHKD.
NO. 2333			

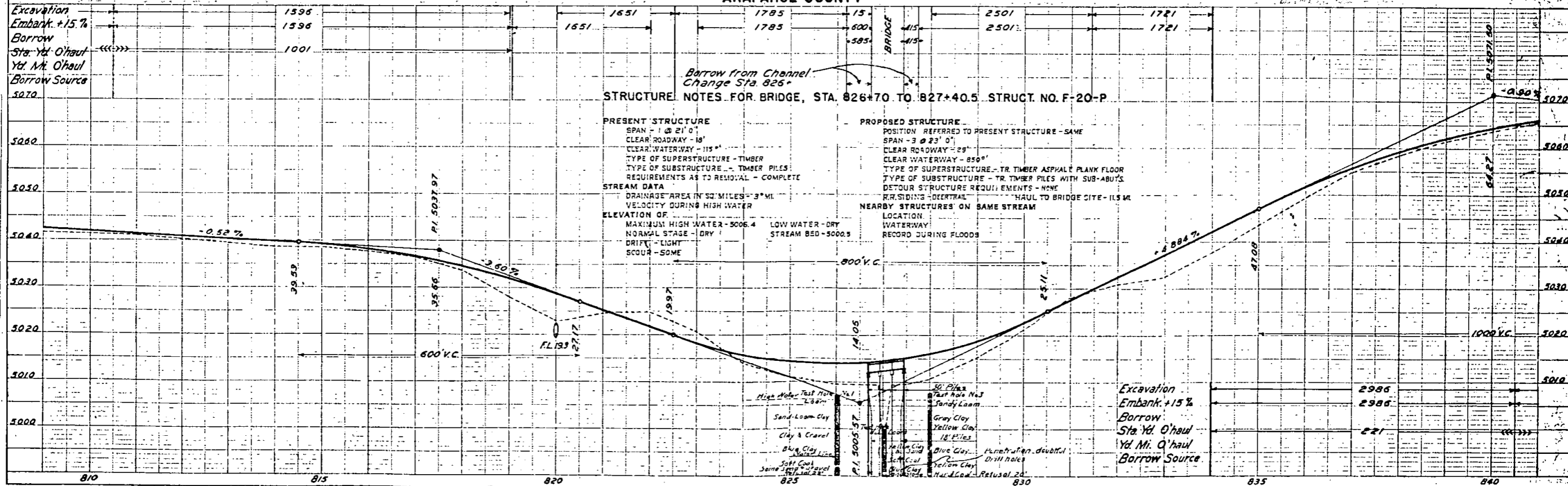


PRELIMINARY DATA ONLY

N W 1/4 SEC 5
T 4 S R 59 W

ARAPAHOE COUNTY

N E 1/4 SEC 5



STRUCTURE NOTES FOR BRIDGE, STA. 826+70 TO 827+40.5. STRUCT. NO. F-20-P

PRESENT STRUCTURE
SPAN - 1 @ 21' 0"
CLEAR ROADWAY - 18'
CLEAR WATERWAY - 115'
TYPE OF SUPERSTRUCTURE - TIMBER
TYPE OF SUBSTRUCTURE - TIMBER PILES
REQUIREMENTS AS TO REMOVAL - COMPLETE

STREAM DATA
DRAINAGE AREA IN SQ. MILES - 3 MI
VELOCITY DURING HIGH WATER
ELEVATION OF
MAXIMUM HIGH WATER - 5006.4
NORMAL STAGE - DRY
DRIFT - LIGHT
SCOUR - SOME

PROPOSED STRUCTURE
POSITION REFERRED TO PRESENT STRUCTURE - SAME
SPAN - 3 @ 23' 0"
CLEAR ROADWAY - 29'
CLEAR WATERWAY - 850'
TYPE OF SUPERSTRUCTURE - TR. TIMBER ASPHALT PLANK FLOOR
TYPE OF SUBSTRUCTURE - TR. TIMBER PILES WITH SUB-ABUTTS
DETOUR STRUCTURE REQUIREMENTS - NONE
R.R. SIDINGS - DEERTAIL HAUL TO BRIDGE SITE - 1/2 MI

NEARBY STRUCTURES ON SAME STREAM
LOCATION
WATERWAY
RECORD DURING FLOODS

S.E. 1/4 SEC. 32
T.3S. R.59W.

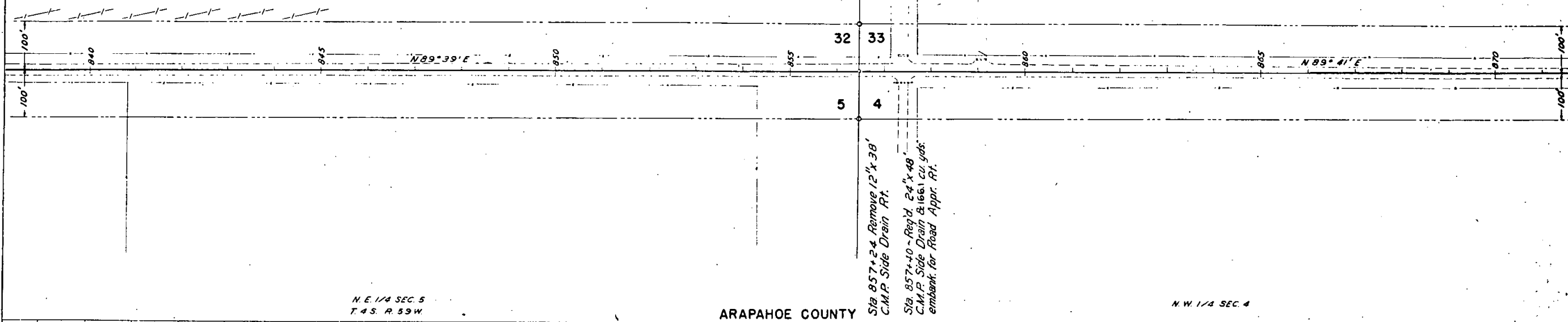
ADAMS COUNTY

S.W. 1/4 SEC. 33
Rev as Const'd 4/14/39 L.H.

FED. ROAD DIST. NO.	STATE	RWA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	30	



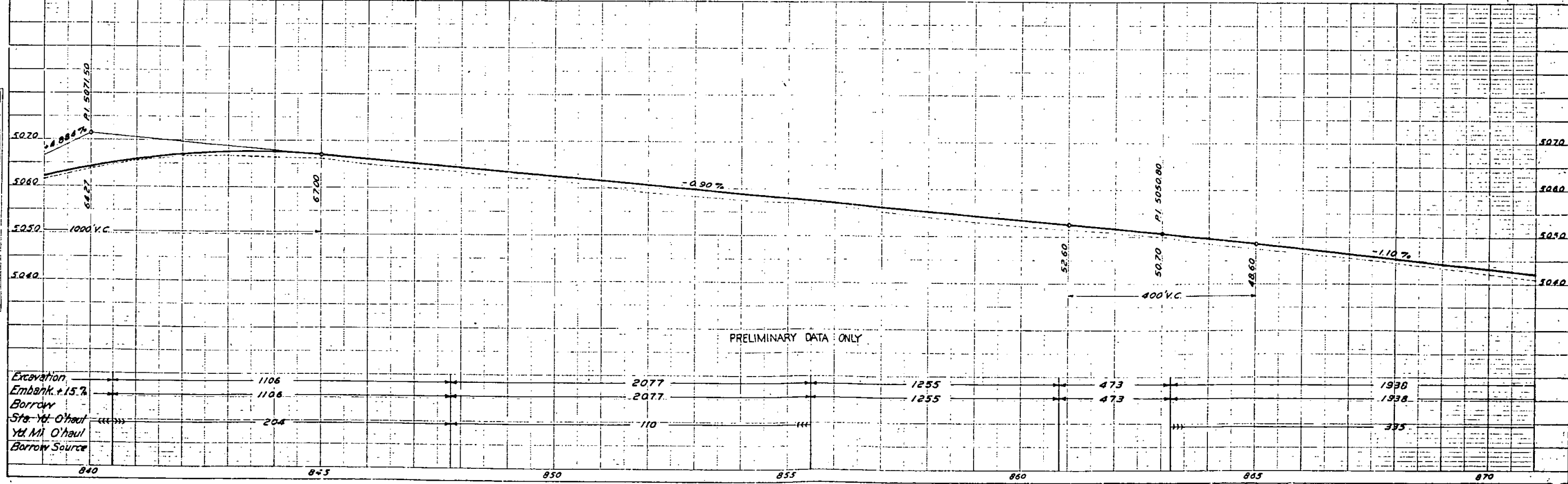
PI Sta. 856+47
Δ = 0° 02' R.
Sta. 857+40 - Reg'd. 24" x 46"
C.M.P. Side Drain & 1943 cu. yds.
embank. for Road Appr. on Lt.
Remove 12" x 20" C.M.P. Side Drain Lt.
Sta. 858+90 - Reg'd. 24" x 30"
C.M.P. Side Drain & 881 cu. yds.
embank. for Road Appr. Lt.
Sta. 858+98 Remove 24" x 18"
C.M.P. Side Drain Lt.



N.E. 1/4 SEC. 5
T.4S. R.59W.

ARAPAHOE COUNTY

N.W. 1/4 SEC. 4



PRELIMINARY DATA ONLY

Excavation	1106	2077	1255	473	1938
Embank. @ 15%	1106	2077	1255	473	1938
Borrow					
Sta. to O'haul	204	110			395
Yd. M. O'haul					
Borrow Source					

PLAN	DATE	BY
NO. 8331		

PROFILE	DATE	BY
NO. 8331		

S.W. 1/4 SEC. 33
T.3S. R.59W.

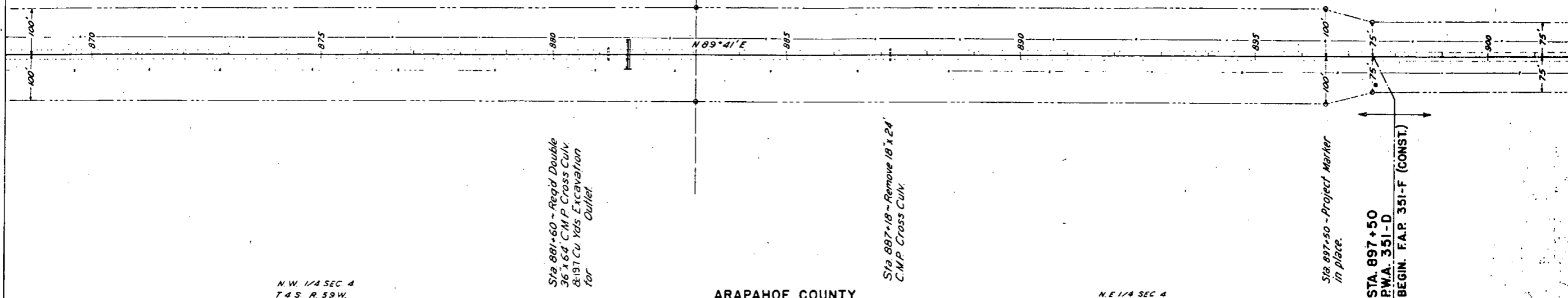
ADAMS COUNTY

S.E. 1/4 SEC. 33
Rev as Const 4 | 15 | 39 L.H.

FED. ROAD DIST. NO.	STATE	P.W.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-0	31	

DATE	BY	REVISION

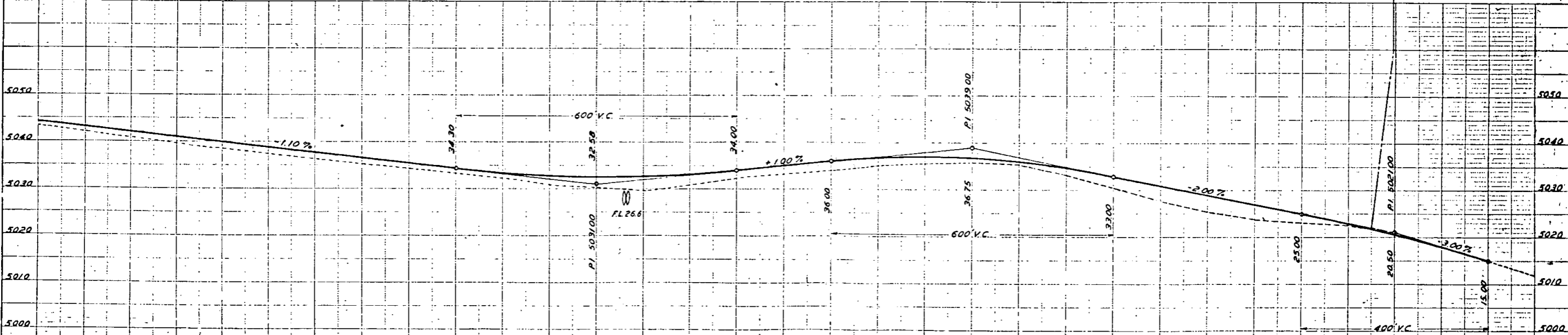
DATE	BY	REVISION



N.W. 1/4 SEC. 4
T.4S. R.59W.

ARAPAHOE COUNTY

N.E. 1/4 SEC. 4



PRELIMINARY DATA ONLY

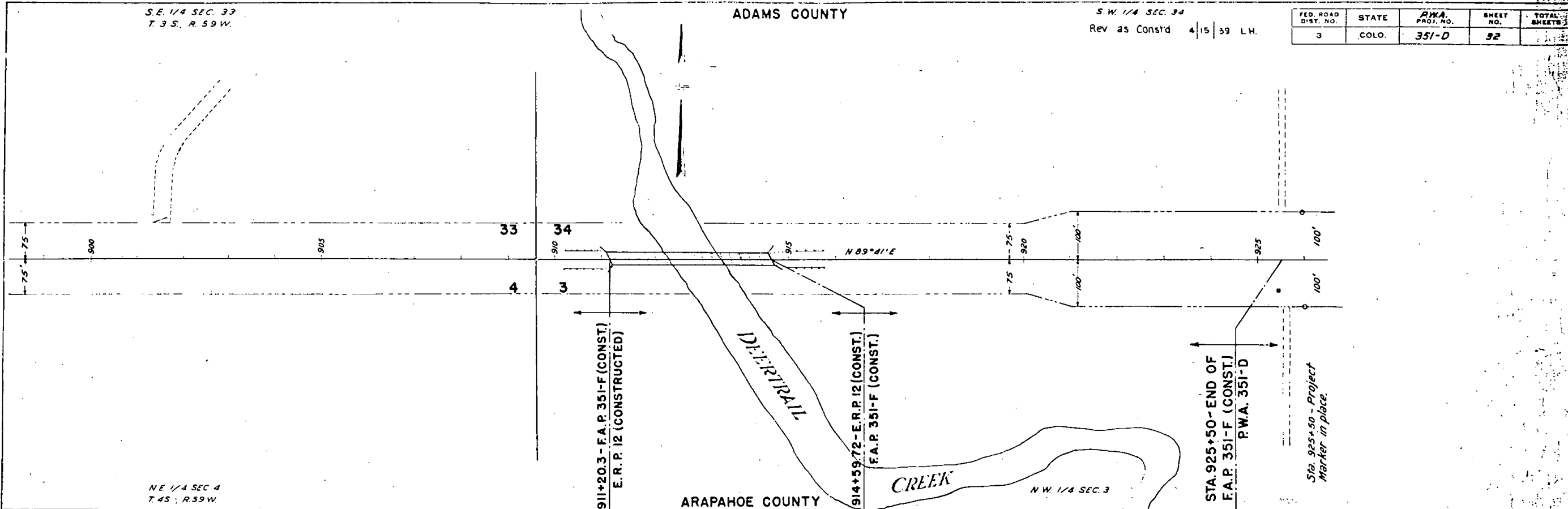
Station	Excavation	Embank. @ 15%	Borrow	Sta. Yd. O'haul	Yd. M. O'haul	Borrow Source
870						
875	398	2607	398	67		
880						
885		3030		292		
890						
895		2629		144		
900						

S.E. 1/4 SEC. 33
T. 3 S., R. 59 W.

ADAMS COUNTY

S.W. 1/4 SEC. 34
Rev as Const'd 4/15/39 L.H.

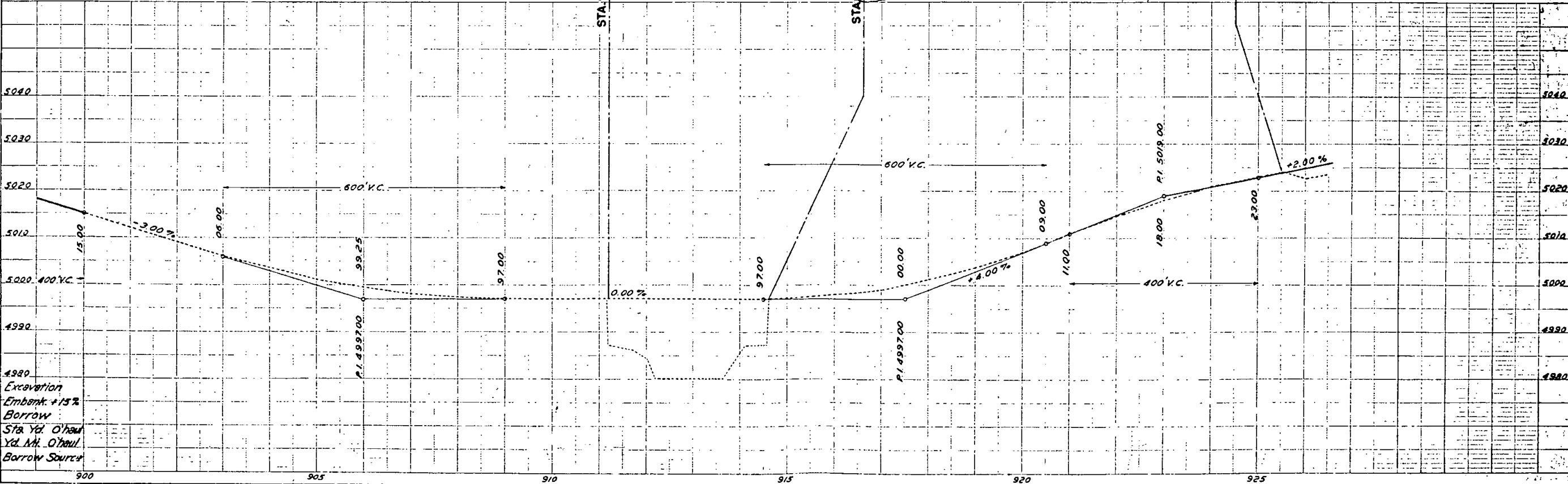
FED. ROAD DIST. NO.	STATE	P.W.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	32	



NE 1/4 SEC 4
T. 4 S., R. 59 W.

ARAPAHOE COUNTY

N.W. 1/4 SEC. 3



PLAN	DATE	BY
REV.		
1	12/15/38	L.H.
2	1/10/39	L.H.
3	4/15/39	L.H.

PROFILE	DATE	BY
REV.		
1	12/15/38	L.H.
2	1/10/39	L.H.
3	4/15/39	L.H.

Excavation
Embank. +15%
Borrow
Sta. Yd. O'haul
Yd. Mt. O'haul
Borrow Source

S.W. 1/4 SEC. 34
T.33. R.59 W.

ADAMS COUNTY

S.E. 1/4 SEC. 34

N.E. 1/4 SEC. 3

FED. ROAD DIST. NO.	STATE	P.M.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	33	

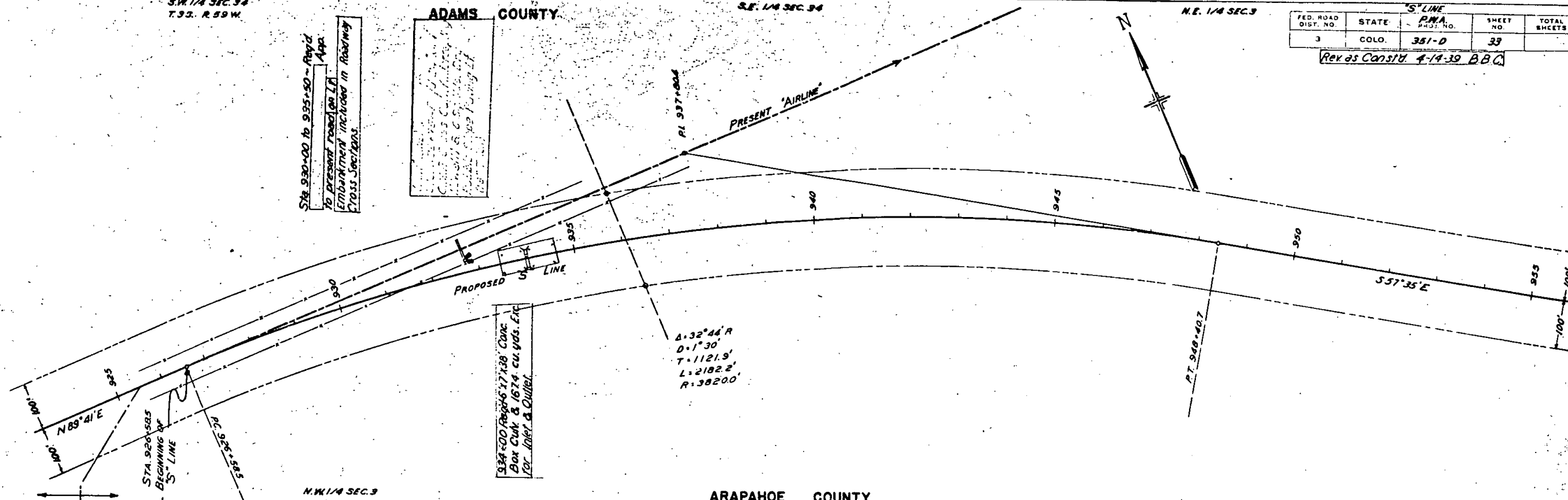
Revised Const'd 4-14-39 B.B.C.

Sta. 930+00 to 935+50 - Road
To present road on LI
Embarkment included in Roadway
Cross Section

County of Adams
County of Adams
Public Works Department
Highway Engineering

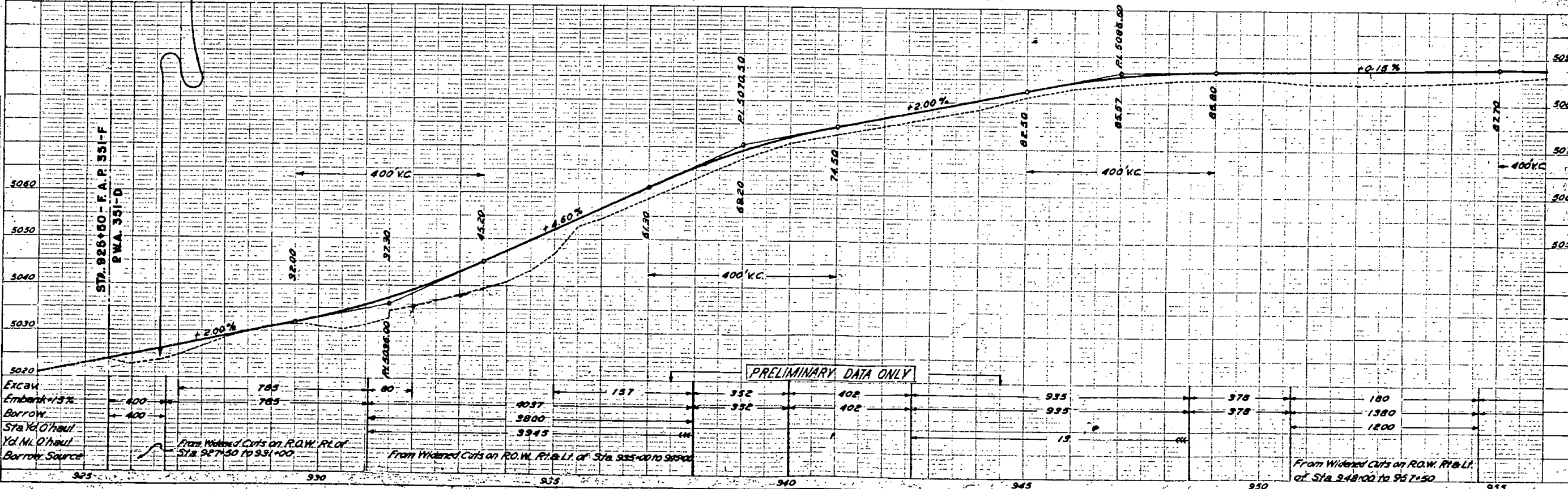
334+00 Right of Way Conc
Box Cuts & 1674 cu yds. Etc
for Inlet & Outlet

$\Delta = 32^{\circ}44' R$
 $D = 1^{\circ}30'$
 $T = 1121.9'$
 $L = 2182.2'$
 $R = 38200'$



N.W. 1/4 SEC. 3
T.4S. R.59 W.

ARAPAHOE COUNTY



PLAN
SCALE: 1" = 40'
DATE: 1939
BY: B.B.C.

PROFILE
SCALE: 1" = 10'
DATE: 1939
BY: B.B.C.

N.E. 1/4 SEC. 3
T.4S. R.59W.

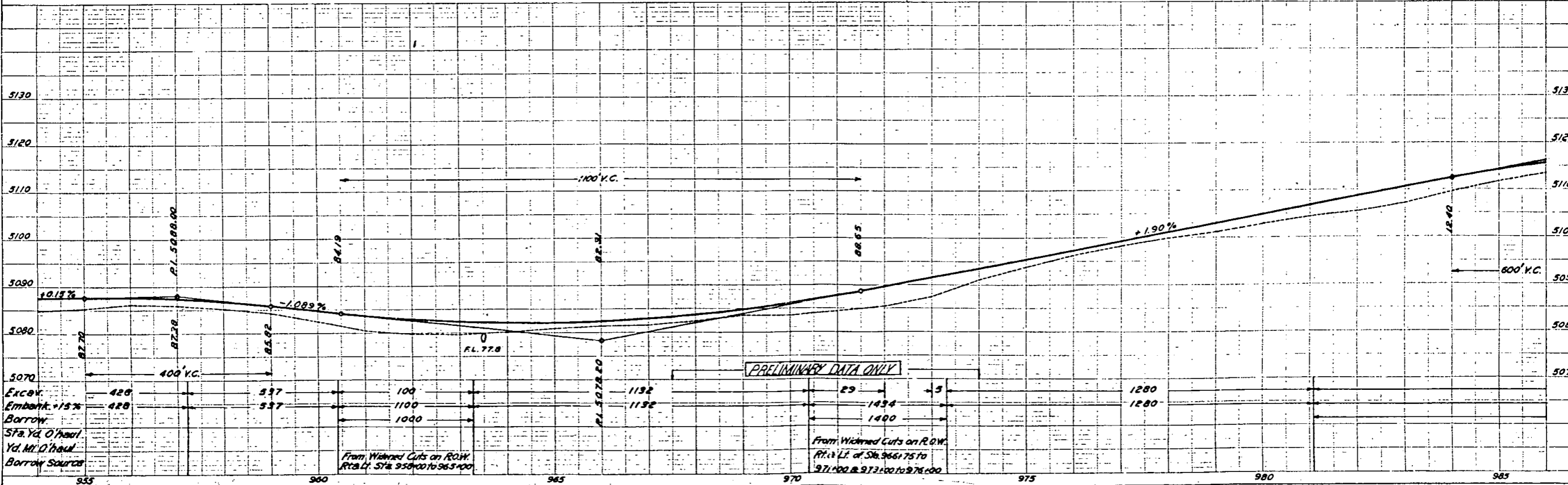
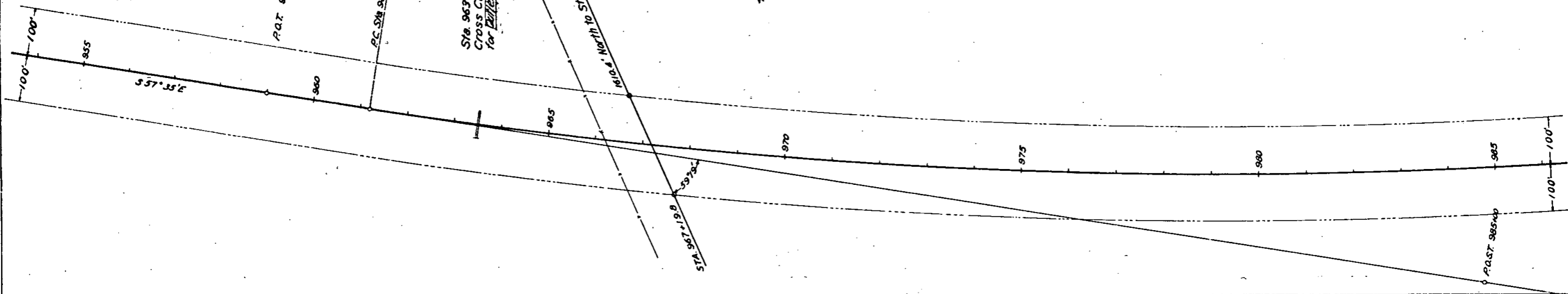
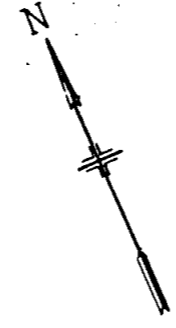
N.W. 1/4 SEC. 2

"S" LINE
P.M.A. 351-D.34
Rev. as Const'd. 4-14-39 B.B.C.

Sta. 956+00 - Right of Way
Embank. for Road App. Rt. & Lt.

Sta. 963+50 - Right of Way
Cross Cut. 68' 13" Cu. Yds. Exc. & V.
for Drain

1610.8' North to Sta. 963+70.5 "A" Line



Excav.	428
Embank. +15%	428
Borrow	
Sta. Yd. O'head	
Yd. Mt. O'head	
Borrow Sources	

From Widened Cuts on R.O.W.
Rt. & Lt. Sta. 958+00 to 965+00

From Widened Cuts on R.O.W.
Rt. & Lt. of Sta. 966+75 to
971+00 & 973+00 to 978+00

PRELIMINARY DATA ONLY

N.W. 1/4 SEC. 2
T.4S. R.59W.

N.E. 1/4 SEC. 2

FED. ROAD DIST. NO.	STATE	COLO.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.		351-D	35	

Rev. as Const'd 4-14-39 B.B.C.

$\Delta = 37^{\circ}20' L$
 $D = 0^{\circ}30'$
 $T = 3871.4'$
 $L = 7466.7'$
 $R = 114600'$

Sta. 987+00 - Reg'd 24'15" C.M.P. Cross Curb
105. Embank. for Road
App. Lt.

Sta. 1003+90 - Reg'd 24'15" C.M.P. Cross Curb

Sta. 1000+00 - Reg'd 30'x62' C.M.P. Cross Curb

Sta. 987+00 - Reg'd 24'15" C.M.P. Side Drain @ 120' Cu. 105. Embank. for Road Approach Rt.

$S 57^{\circ}35' E$

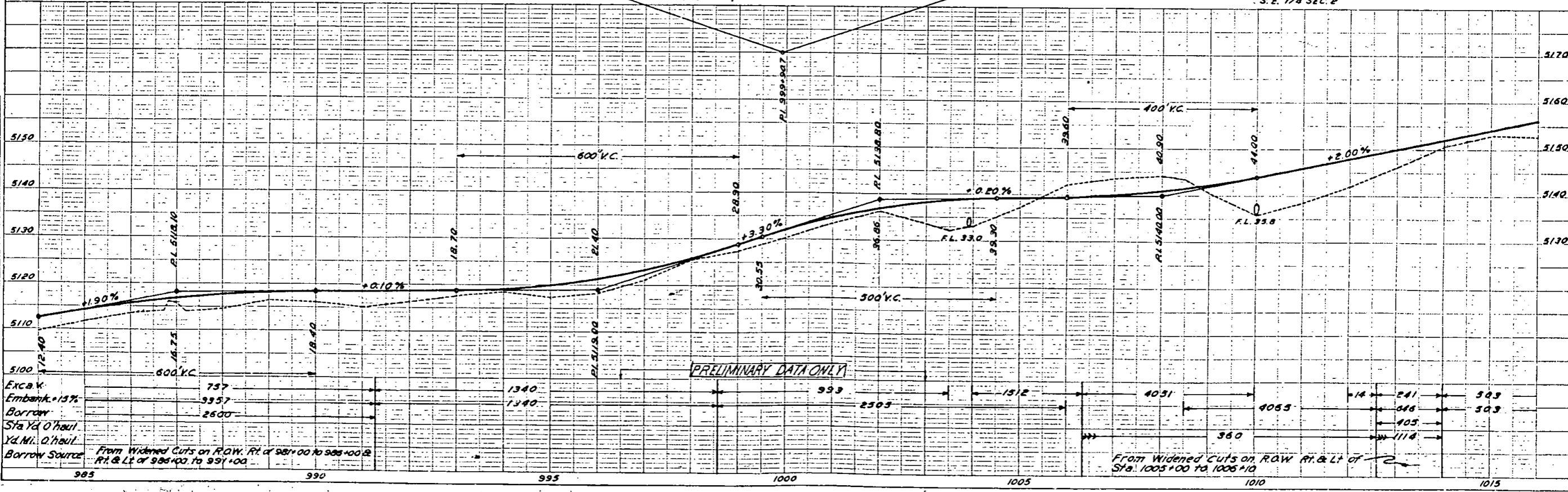
$N 85^{\circ}05' E$

SW 1/4 SEC. 2

SE 1/4 SEC. 2

PLAN	DATE	BY
NO. 2127	7/28	

PROFILE	DATE	BY
NO. 6791	7/28	



Excav	757	1340	993	1512	4051	4065	14	241	503
Embank. +15%	9357	1340	2505					646	503
Borrow	2500							405	
Sta. Yd. O'haul								1114	
Yd. M. O'haul									

From Widened Cuts on R.O.W. Rt. of 987+00 to 993+00 @ Rt. & Lt. of 985+00 to 991+00

From Widened Cuts on R.O.W. Rt. & Lt. of Sta. 1005+00 to 1006+10

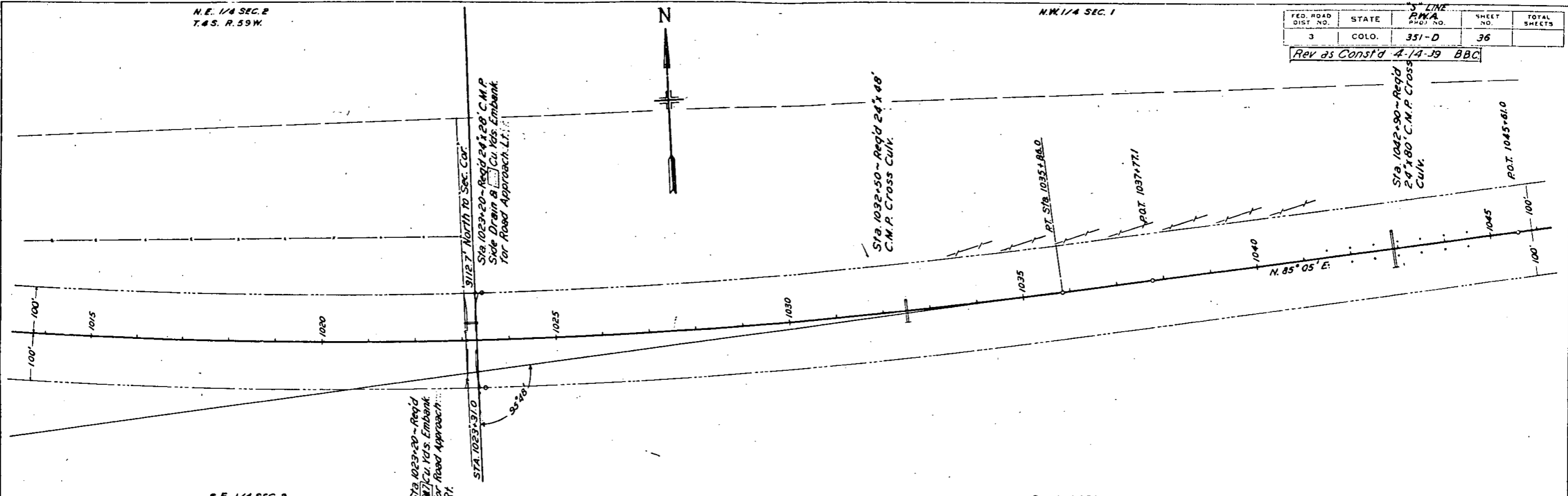
N.E. 1/4 SEC. 2
T.4S. R.59W.

N.W. 1/4 SEC. 1

FED. ROAD DIST. NO.	STATE	R.W.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	36	

Rev as Const'd 4-14-39 BBC

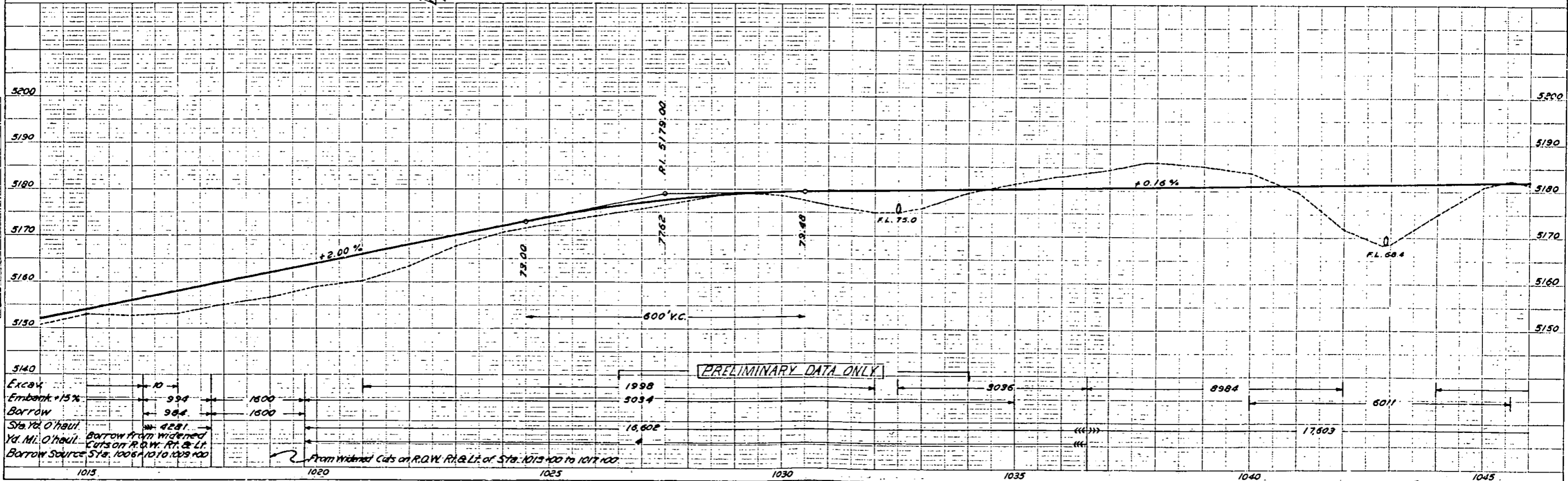
PLAN	DATE	BY	CHECKED
	1/16/39	REA	REA



S.E. 1/4 SEC. 2

S.W. 1/4 SEC. 1

PROFILE	DATE	BY	CHECKED
	1/16/39	REA	REA

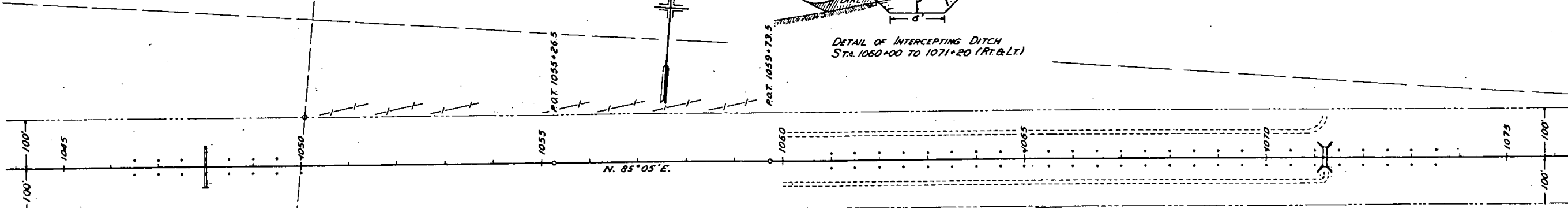
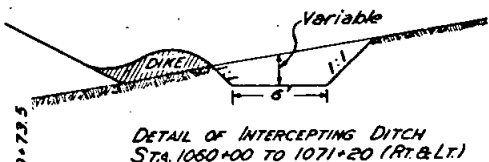


N.W. 1/4 SEC. 1
T. 4 S. R. 59 W.

N.E. 1/4 SEC. 1

FED. ROAD DIST. NO.	STATE	P.W.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	37	

Rev. as Const'd 4-14-39 B.B.C.



PLAN	DATE	BY
	1/23/37	B.A.L.
REVISIONS		
NO. 1	1/23/37	B.A.L.
NO. 2	1/23/37	B.A.L.

PROFILE	DATE	BY
	1/23/37	B.A.L.
REVISIONS		
NO. 1	1/23/37	B.A.L.
NO. 2	1/23/37	B.A.L.

Sta. 1048+00 - Req'd 90' x 106' C.M.P. Cross Culvert

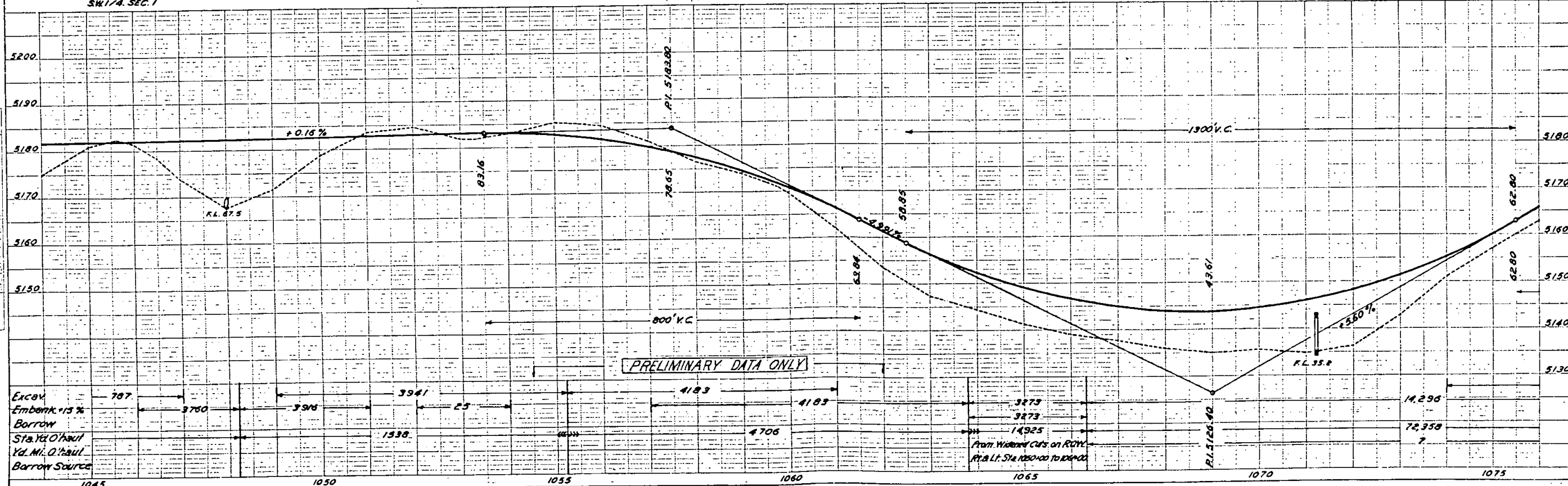
Sta. 1054+00 - Req'd 10' Cu Yds. Embank. for Road Approaches Rt. & Lt.

Sta. 1060+00 to 1071+20 - Req'd 10' Cu Yds. Excav. for Intercepting Ditch Rt. & Lt. Quantities included in Roadway Excav. as side borrow.

Sta. 1071+20 - Req'd 6' x 7' x 39' Concrete Box Culvert. (To be used as Stock Pass)

SW 1/4 SEC. 1

SE 1/4 SEC. 1



Excav	787	3750	3978	3941	25	4183	4183	3273	3273	14225	14225	72358	7
Embank +15% Borrow													
Sta. Yd. O'Haul				1538		4706							
Yd. M. O'Haul													
Borrow Source													

From Widened Cuts on R.O.W. Rt. & Lt. Sta. 1050+00 to 1064+00

N.E. 1/4 SEC. 1
T.4 S. R.59 W.

N.W. 1/4 SEC. 6
T.4 S. R.59 W.

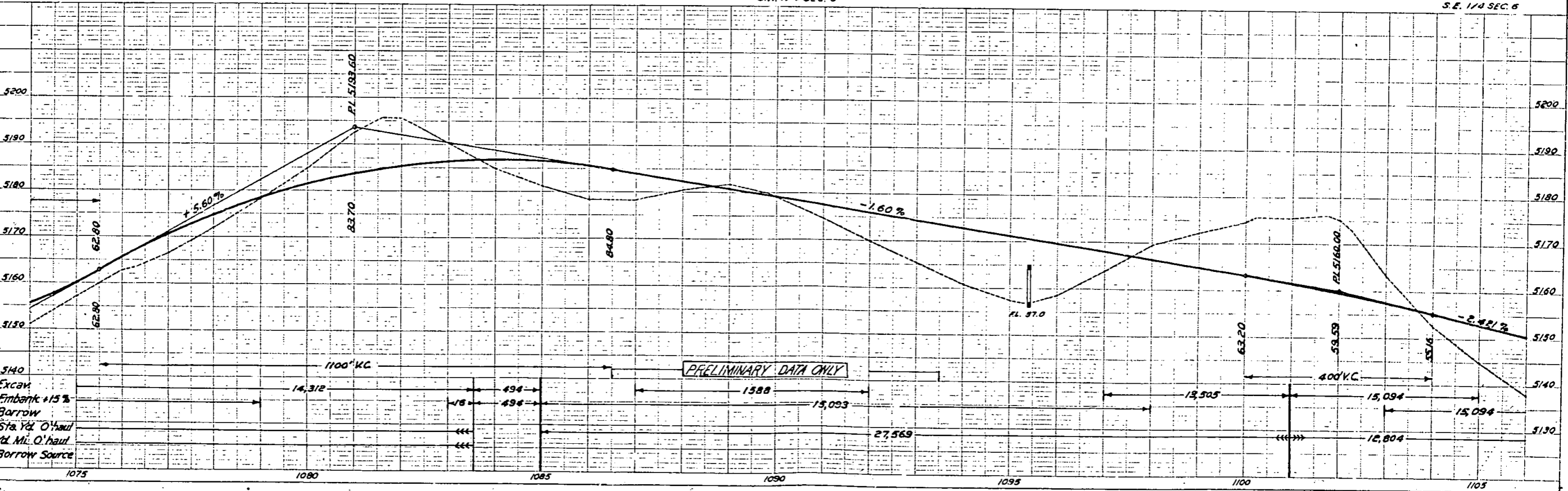
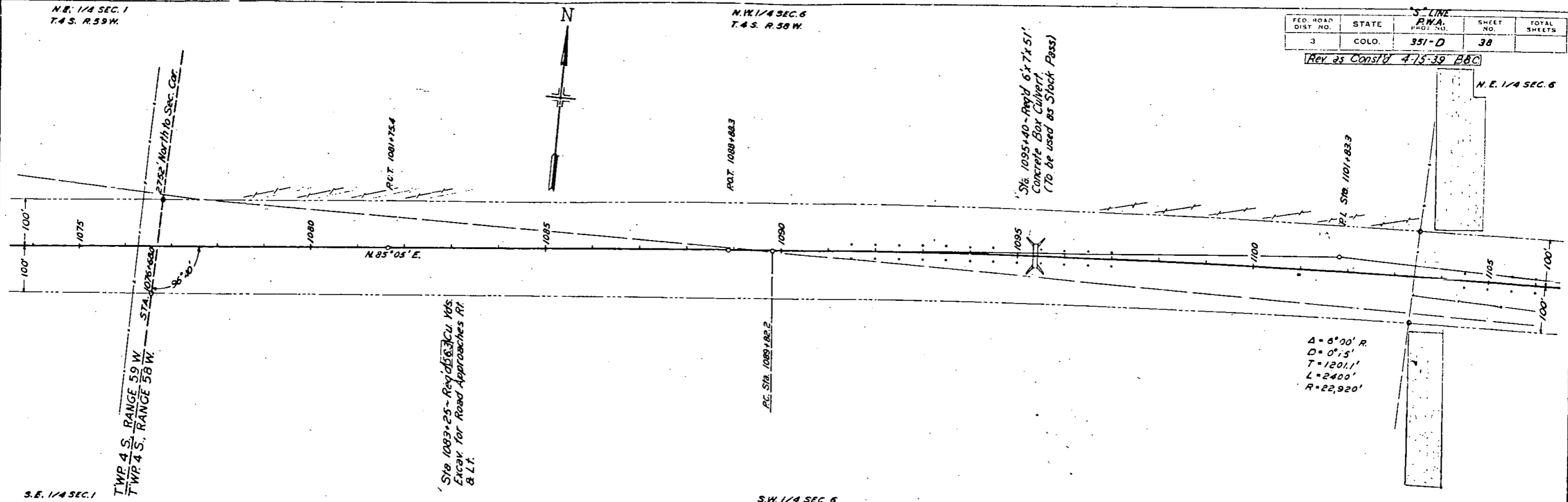
FED. ROAD DIST. NO.	STATE	R.W.A. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	38	

Rev as Cons'd 4-7-39 B&C

N.E. 1/4 SEC. 6

PLAN
SCALE: 1" = 100'
DATE: 7/27/38
BY: J.S.H.

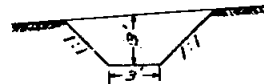
PROFILE
SCALE: 1" = 10'
DATE: 7/27/38
BY: J.S.H.



N.E. 1/4 SEC. 6
T.4 S. R. 58 W.



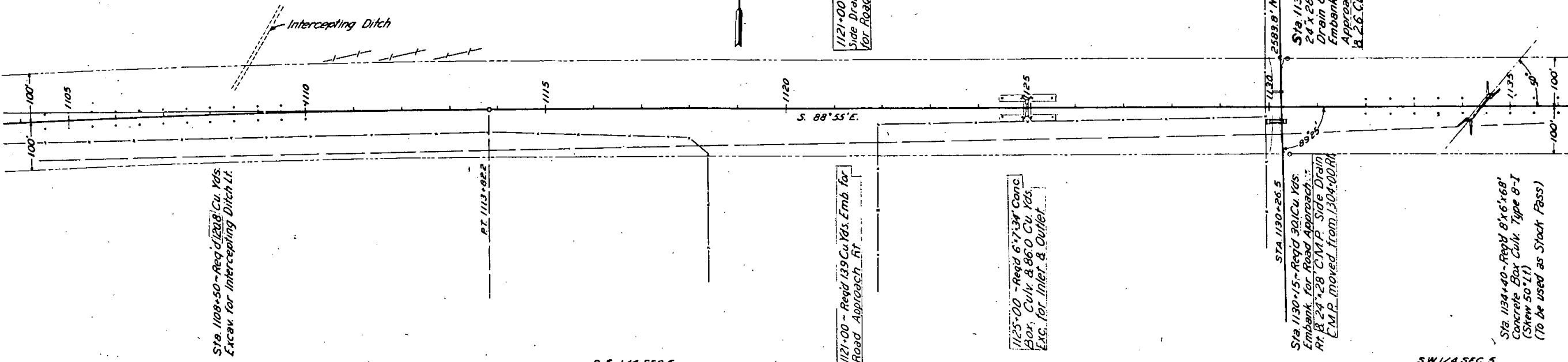
TYPICAL SECTION OF INTERCEPTING DITCH
STA. 1108+50



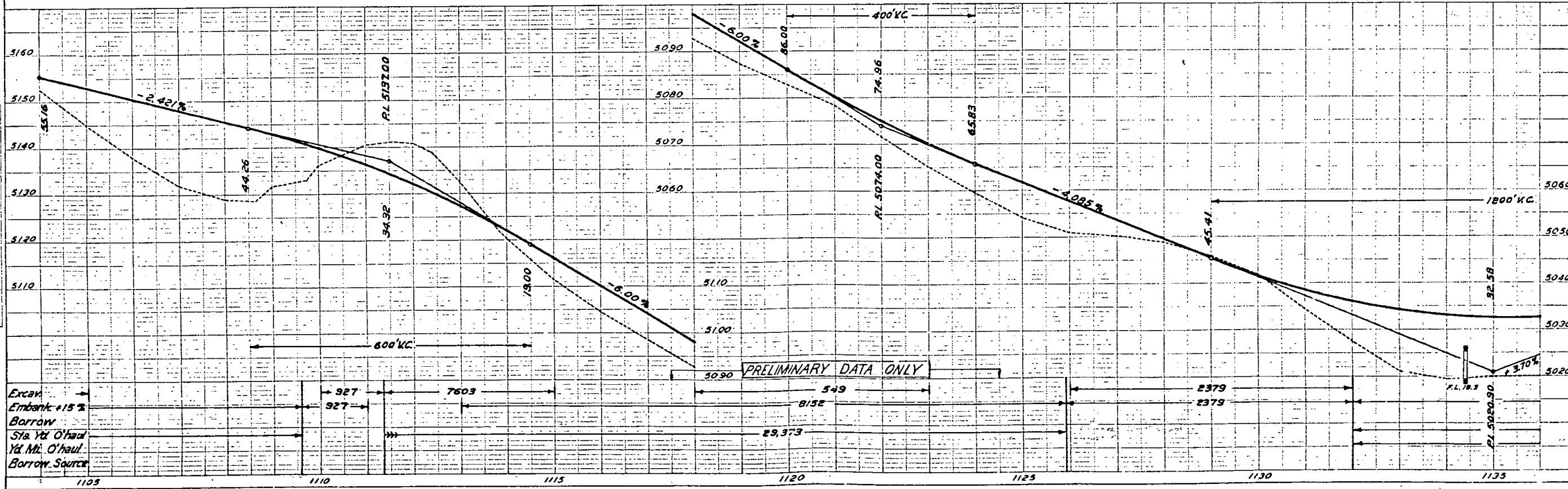
FILED ROAD DIST. NO.	STATE	3 RD LINE C.M.P. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	39	

N.W. 1/4 SEC. 5
Rev. as Const'd 4-17-39 B.B.C.

PLAN	DATE	BY
1/23/37	1/23/37	A.A.T.
1/23/37		



PROFILE	DATE	BY
1/23/37	1/23/37	A.A.T.
1/23/37		

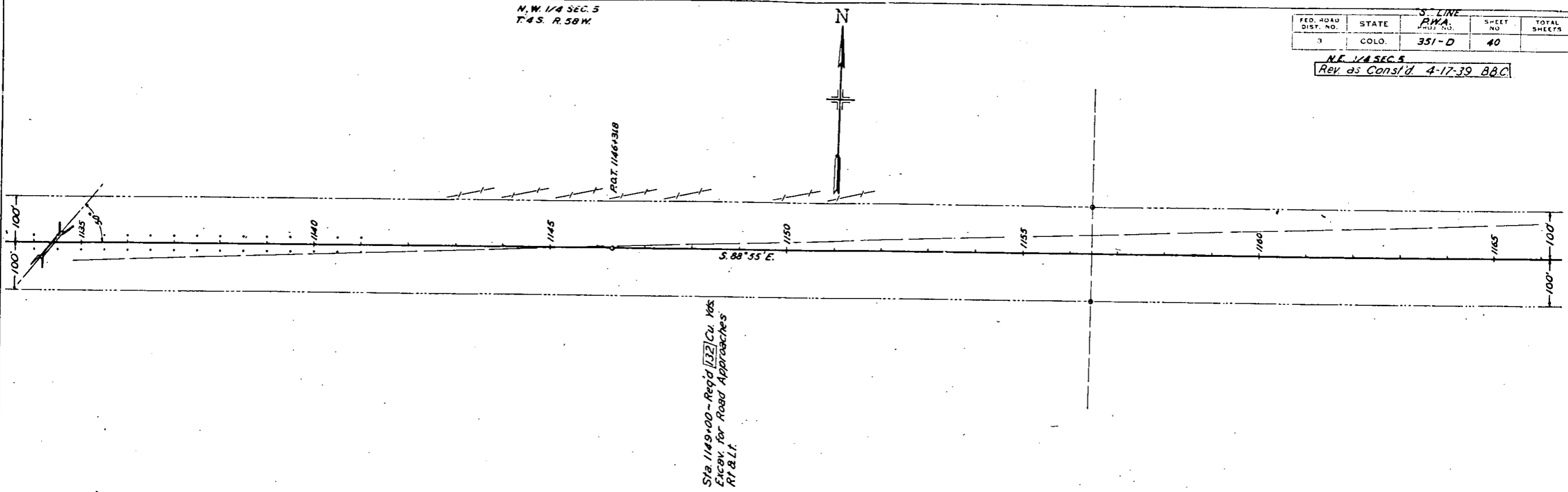


N.W. 1/4 SEC. 5
T.4S. R.58W.

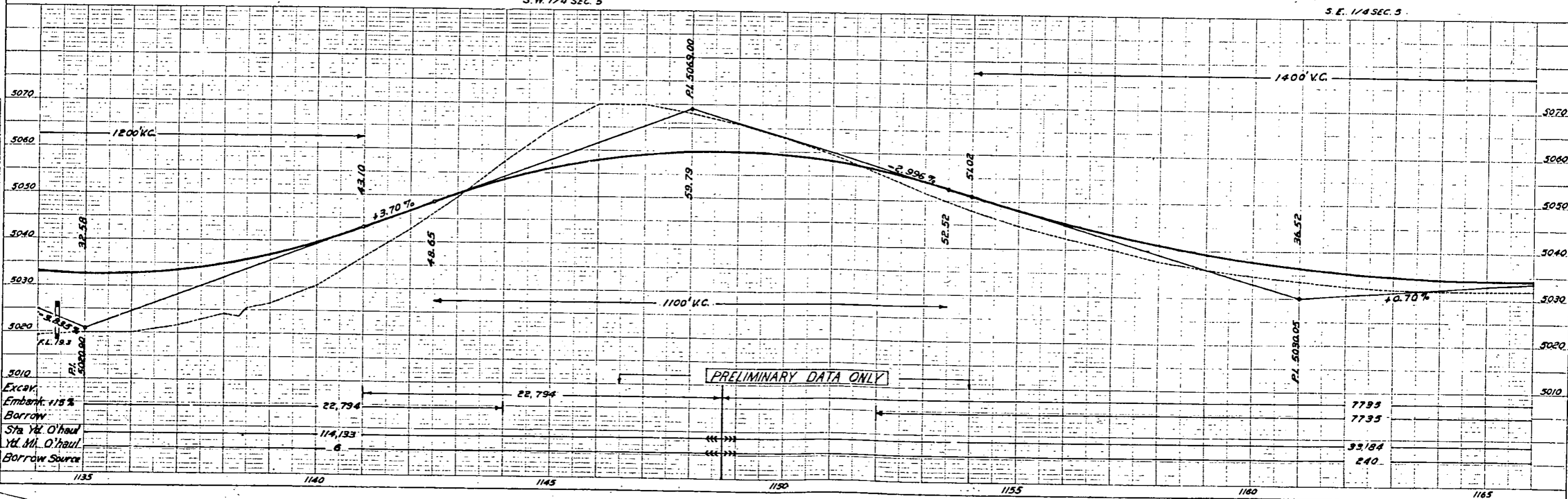
FED. ROAD DIST. NO.	STATE	S. LINE P.W.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	40	

N.E. 1/4 SEC. 5
Rev. as Const'd 4-17-39 B.B.C.

PLAN	DATE	BY
NOTE BOOK	1938	R.R.A.
NO. 7127		
7128		



PROFILE	DATE	BY
NOTE BOOK	1938	R.R.A.
NO. 7127		
7128		



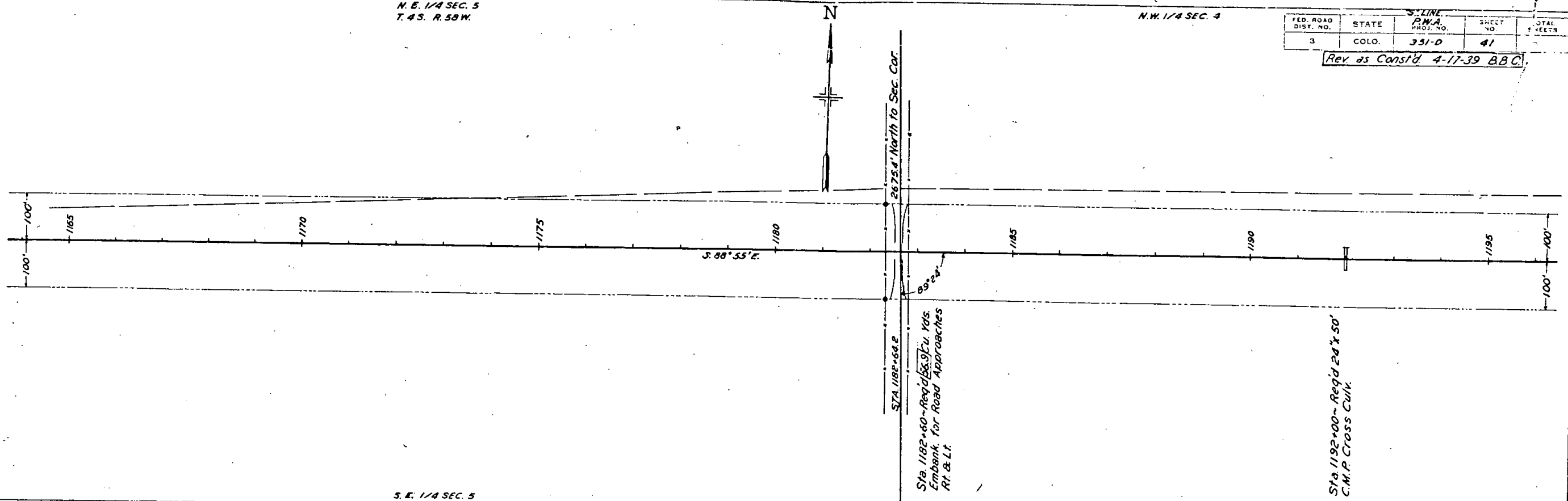
N. E. 1/4 SEC. 5
T. 4 S. R. 58 W.

N. W. 1/4 SEC. 4

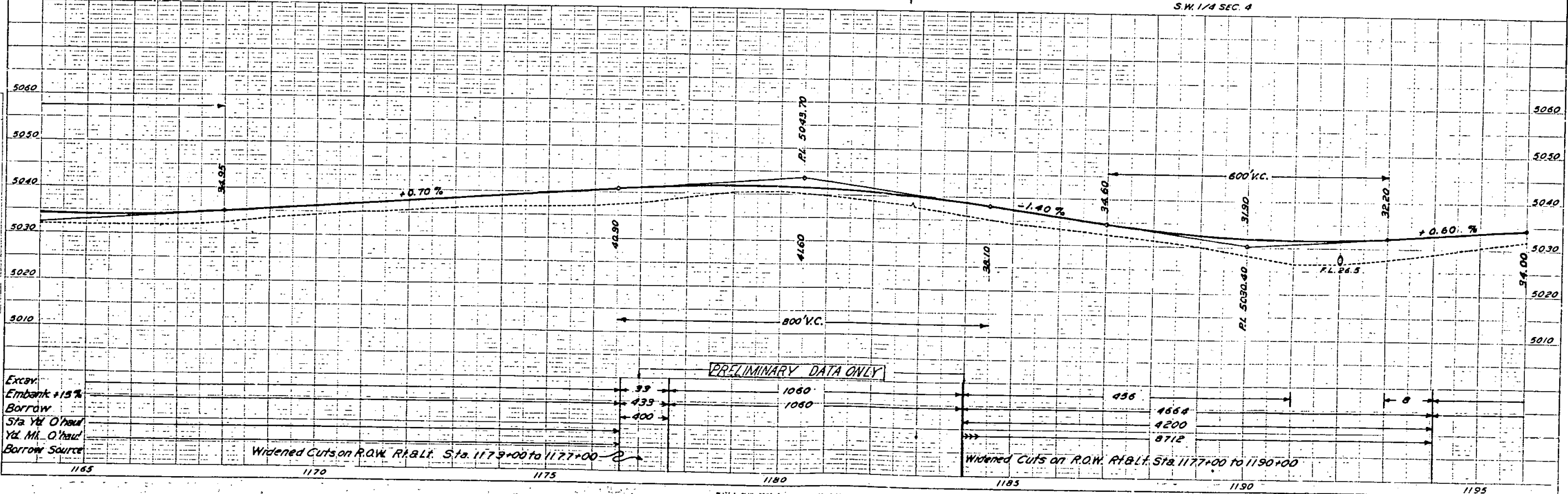
FED. ROAD DIST. NO.	STATE	S. LINE P.W.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	41	

Rev. as Const'd 4-17-39 B.B.C.

PLAN	DATE	BY
NO. 777	1/23/37	P.A.F.



PROFILE	DATE	BY
NO. 623	1/23/37	P.A.F.



N.W. 1/4 SEC. 4
T.4S. R.58W.

N.E. 1/4 SEC. 4

"K" LINE

FED. ROAD DIST. NO.	STATE	RWA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	42	

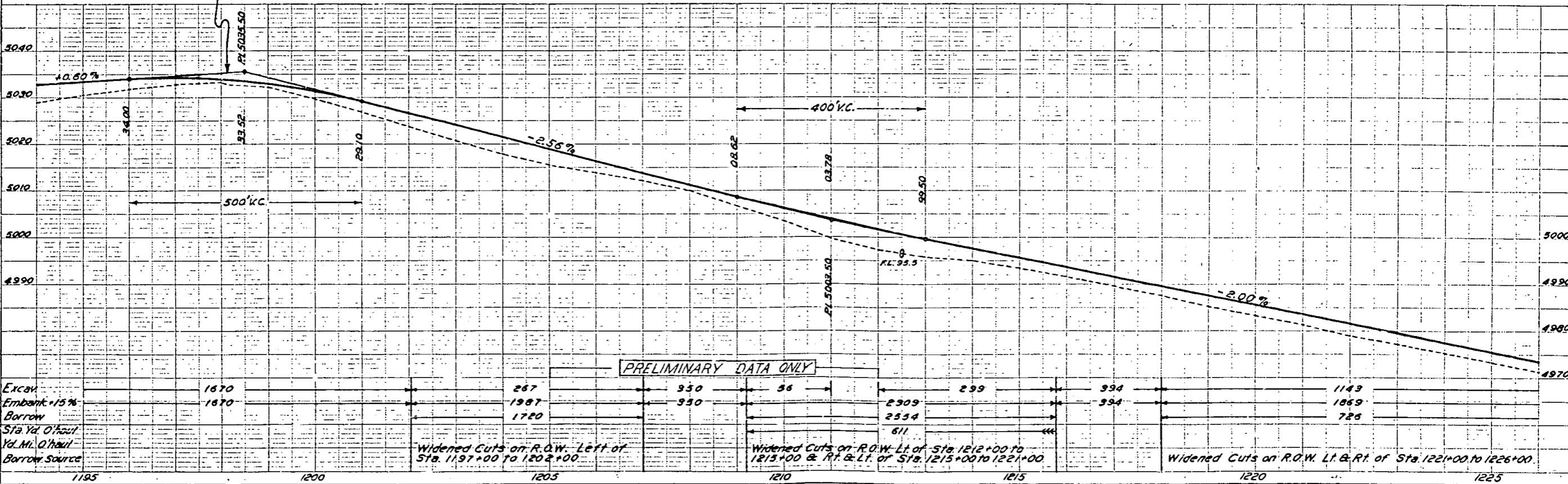
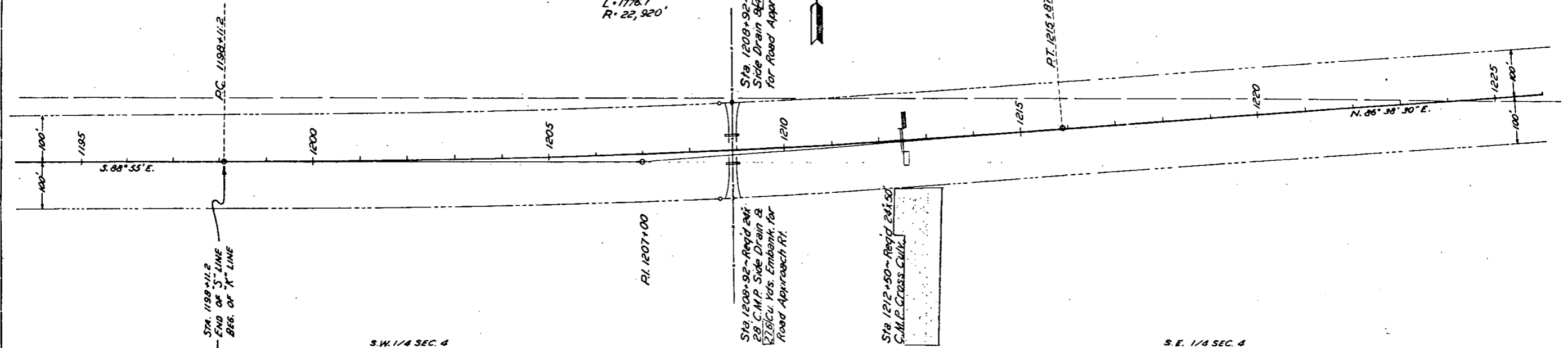
Rev as Cons'd 4-17-39 B.B.C.

$\Delta = 4^{\circ}26'30''L$
 $D = 0'15''$
 $T = 888.8'$
 $L = 1776.7'$
 $R = 22,920'$



PLAN	DATE	BY	CHKD.
	7/27	W.S.	
	7/28		

PROFILE	DATE	BY	CHKD.
	7/27	W.S.	
	7/28		



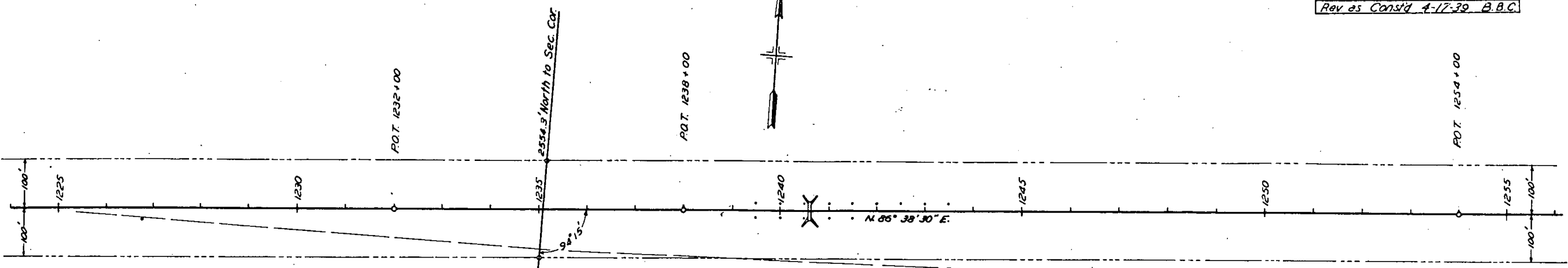
N.E. 1/4 SEC. 4
T. 4 S. R. 58 W.

N.W. 1/4 SEC. 3

"K" LINE

FED. ROAD DIST. NO.	STATE	P.M.A. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	43	

Revised Const'd 4-17-39 B.B.C.

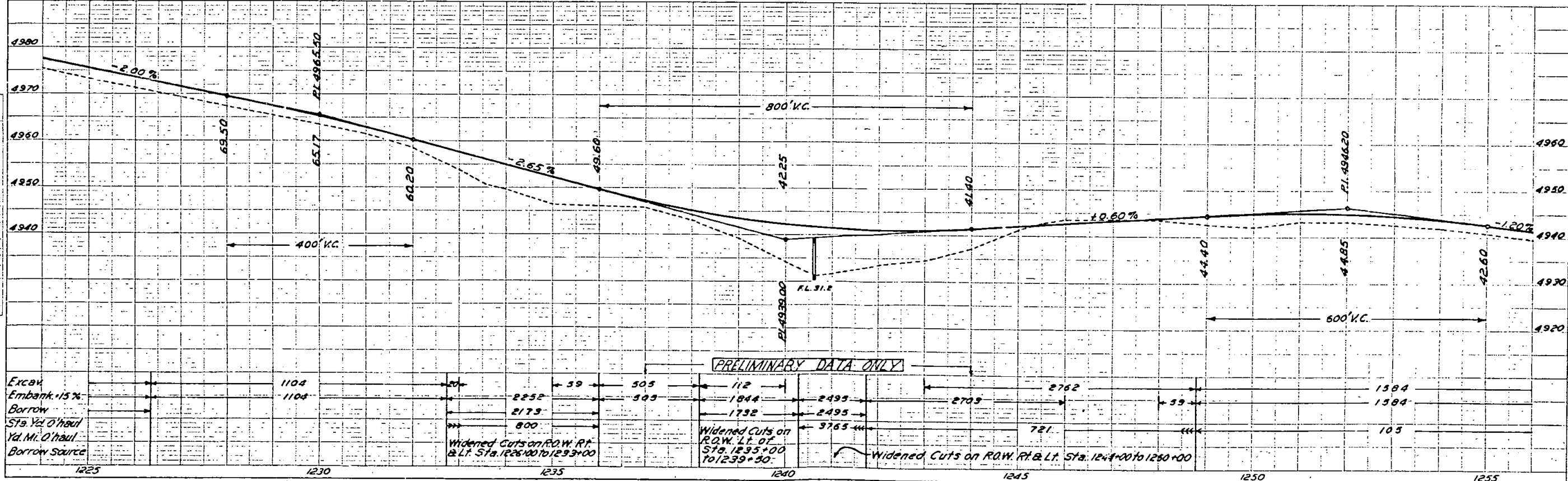


Sta. 1240+60 - Req'd 6' x 7' x 38' Concrete Box Culvert @ (26.9) cubic yards excav. for Outlet (To be used as Stock Pass)

Sta. 1251+00 - Req'd 575 Cu Yds. Embank. for Road Approaches Rt. & Lt.

S.E. 1/4 SEC. 4

SW. 1/4 SEC. 3



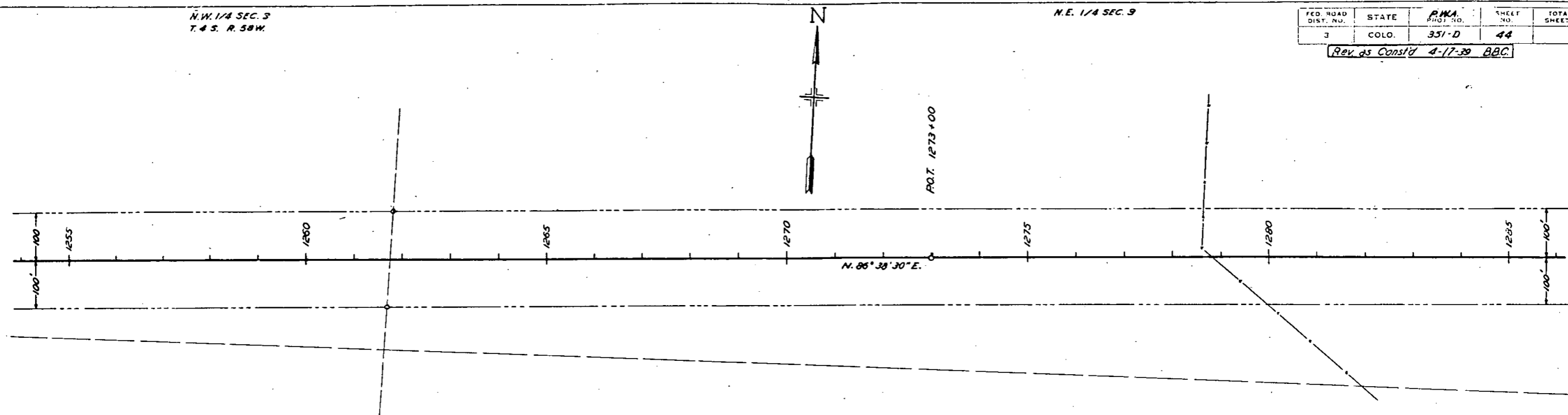
N.W. 1/4 SEC. 3
T. 4 S. R. 50 W.

N.E. 1/4 SEC. 3

FED. ROAD DIST. NO.	STATE	P.W.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	44	

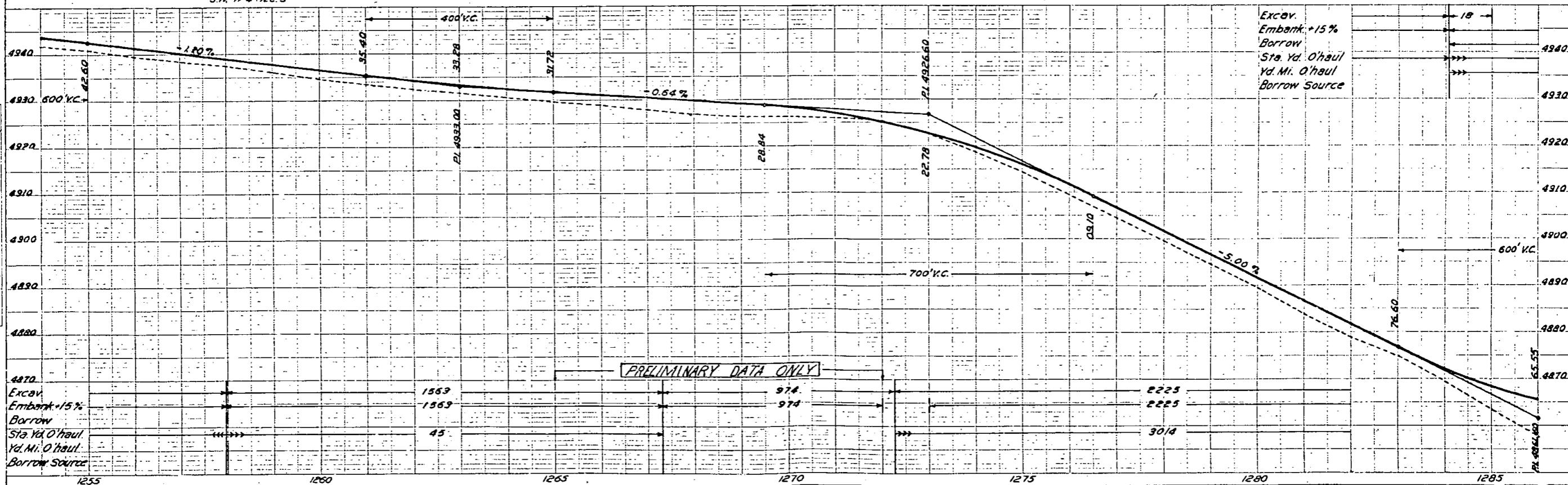
Rev. as Const'd 4-17-39 BBC

PLAN	DATE	BY
	7/27	BBC



SW 1/4 SEC. 3

SE 1/4 SEC. 3



PROFILE	DATE	BY
	7/27	BBC

"K" LINE

FED. ROAD DIST. NO.	STATE	P.M.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	46	

Rev. as Cons'd 4-17-39 B.B.C.

N.W. 1/4 SEC. 1

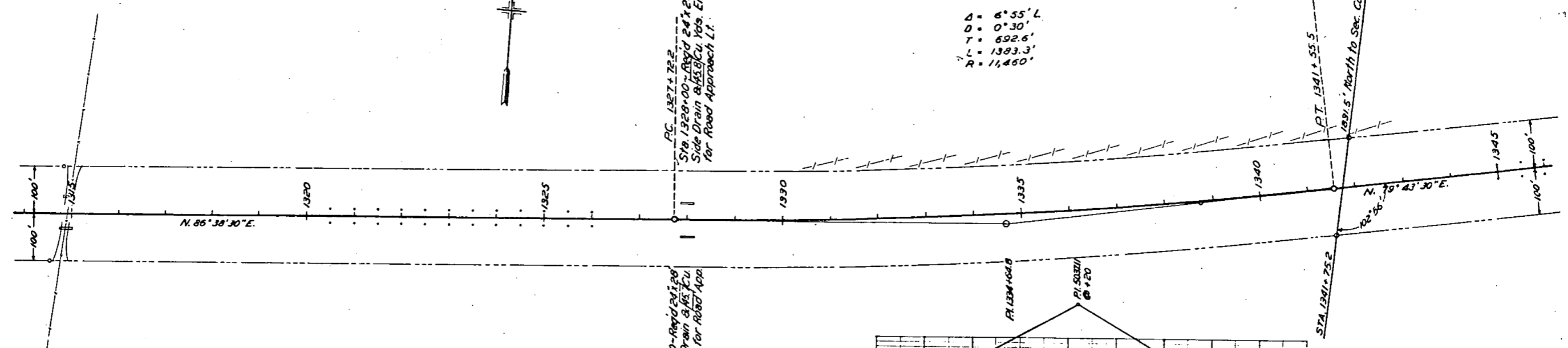
N.E. 1/4 SEC. 2
T. 4 S. R. 58 W.

$\Delta = 6^{\circ}55' L$
 $D = 0^{\circ}30'$
 $T = 692.6'$
 $L = 1383.3'$
 $R = 11,450'$

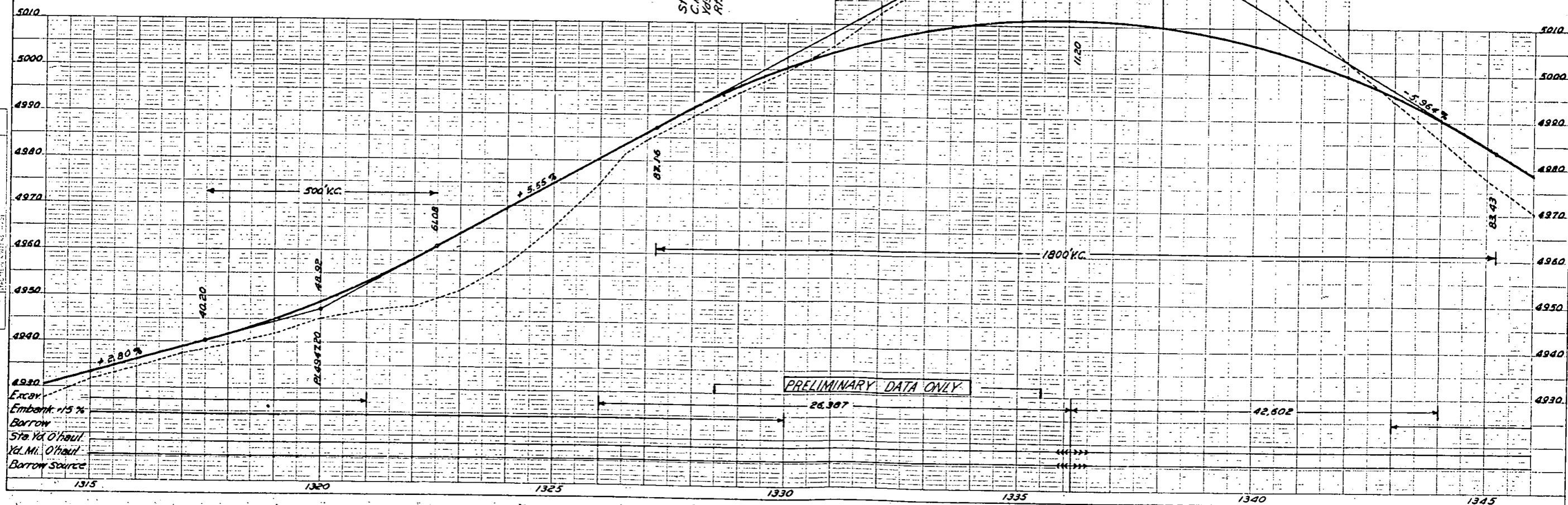


PLAN	DATE
APPROVED	7/27/39
NOTED	7/27/39
BY	

PROFILE	DATE
APPROVED	7/27/39
NOTED	7/27/39
BY	



Sta. 1328+00 - Road 24' 28\"/>



Excav
 Embank 15%
 Borrow
 Sta. Yd. O'Haul
 Yd. Mi. O'Haul
 Borrow Source

N.W. 1/4 SEC. 1
T. 4 S. R. 58 W.

Rev. as Const'd 4-17-19 B.B.C.

FED. ROAD DIST. NO.	STATE	RWA. POST NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	47	

N.E. 1/4 SEC. 1

Sta 1356+25 - Req'd 6' x 7' x 65' Concrete Box Culvert

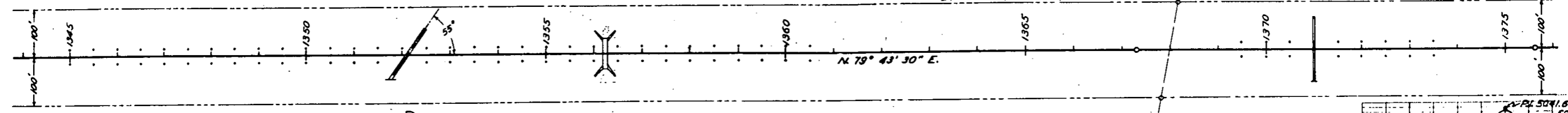


Sta 1371+00 - Req'd 24' x 156' C.M.P. Cross Culvert @ 187' Cu. Yds. Excav. for Inlet.

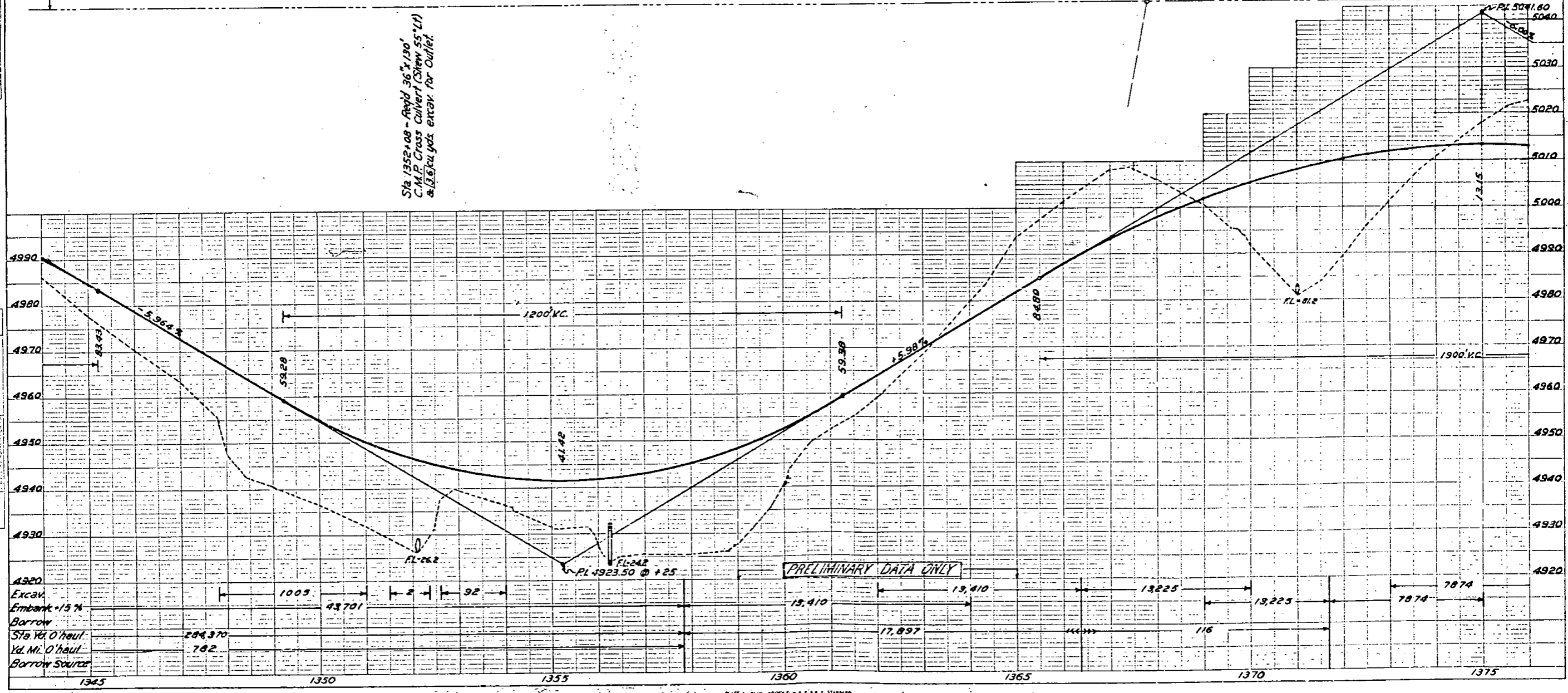
P.O.T. 1375+63

PLAN

NO. 7177



Sta 1352+08 - Req'd 36\"/>



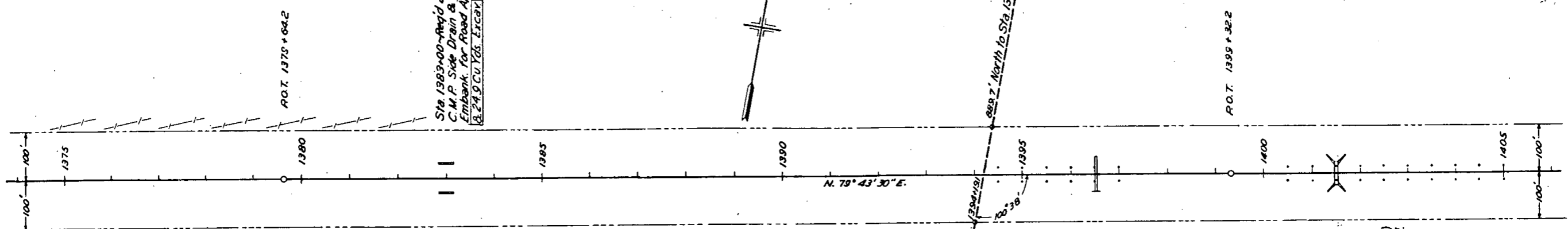
PROFILE

NO. 7177

FED. ROAD DIST. NO.	STATE	P.M.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-0	48	

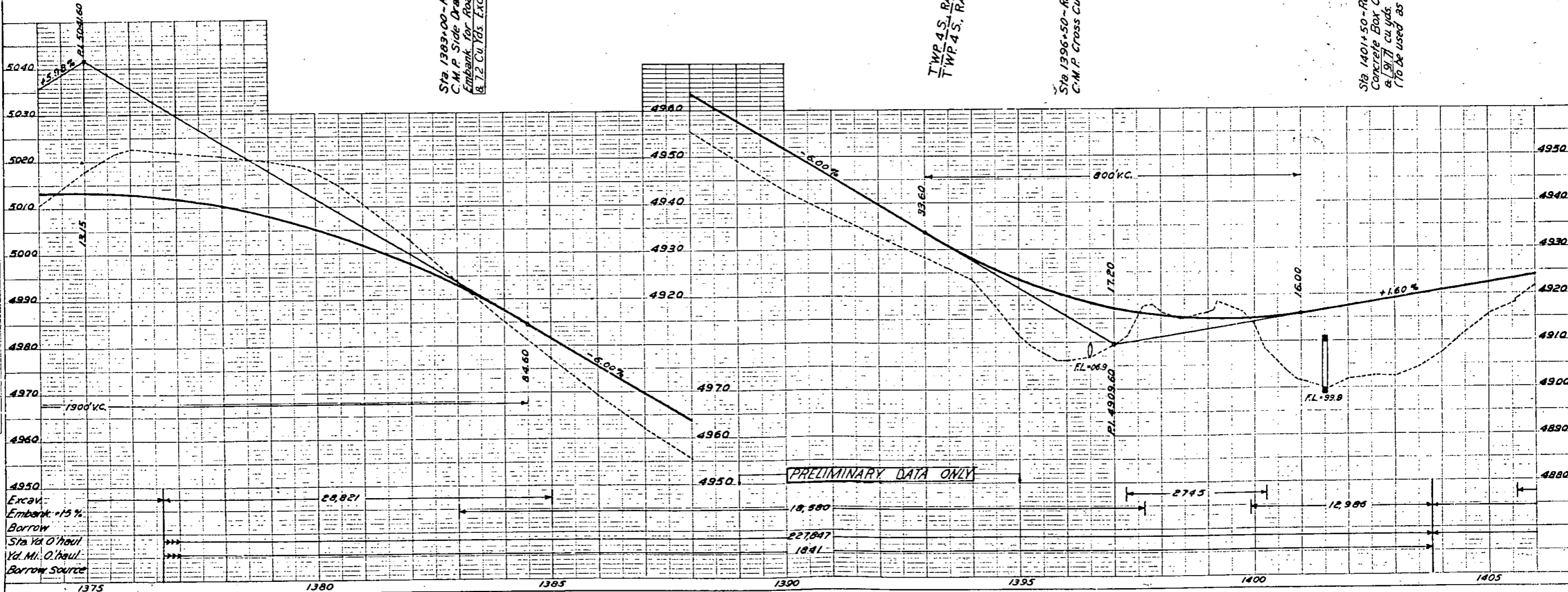
N.W. 1/4 SEC. 6 T. 4 S. R. 57 W. Rev as Const'd 4-18-39 B.B.C.

N.E. 1/4 SEC. 1 T. 4 S. R. 58 W.



PLAN	SCALE	DATE
1:1	1\"/>	

PROFILE	SCALE	DATE
1:1	1\"/>	

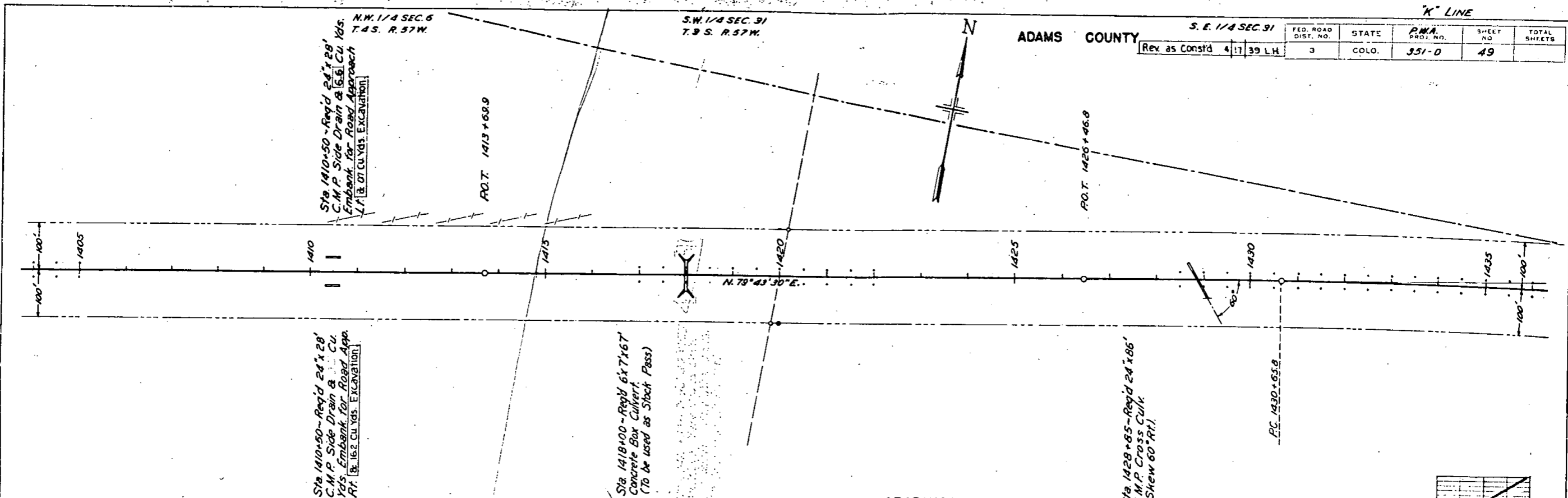


Excav. 28,821
 Embank. 15%
 Borrow 18,580
 Sta. Yd. O'Haul 227,847
 Yd. Mi. O'Haul 1341
 Borrow Source

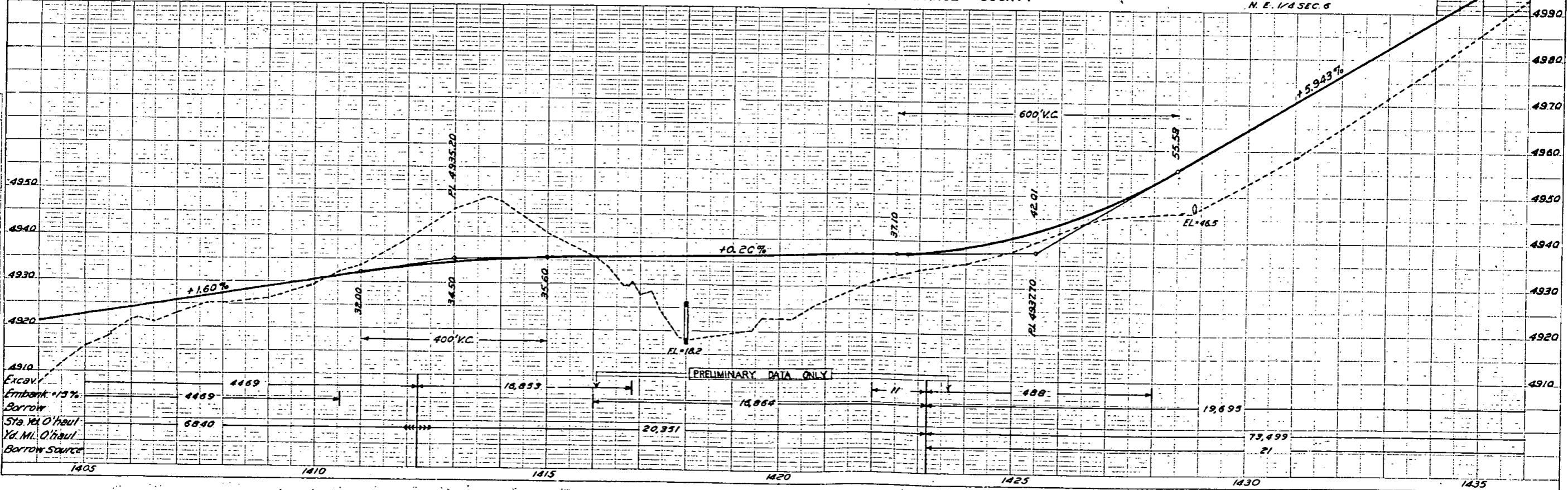
FED. ROAD DIST. NO.	STATE	P.M.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	49	

Rev as Const'd 4:17 39 L.H.

PLAN	SCALE
PLAN	1" = 40'



PROFILE	SCALE
PROFILE	1" = 10'



S. E. 1/4 SEC. 31
T. 9 S. R. 57 W.

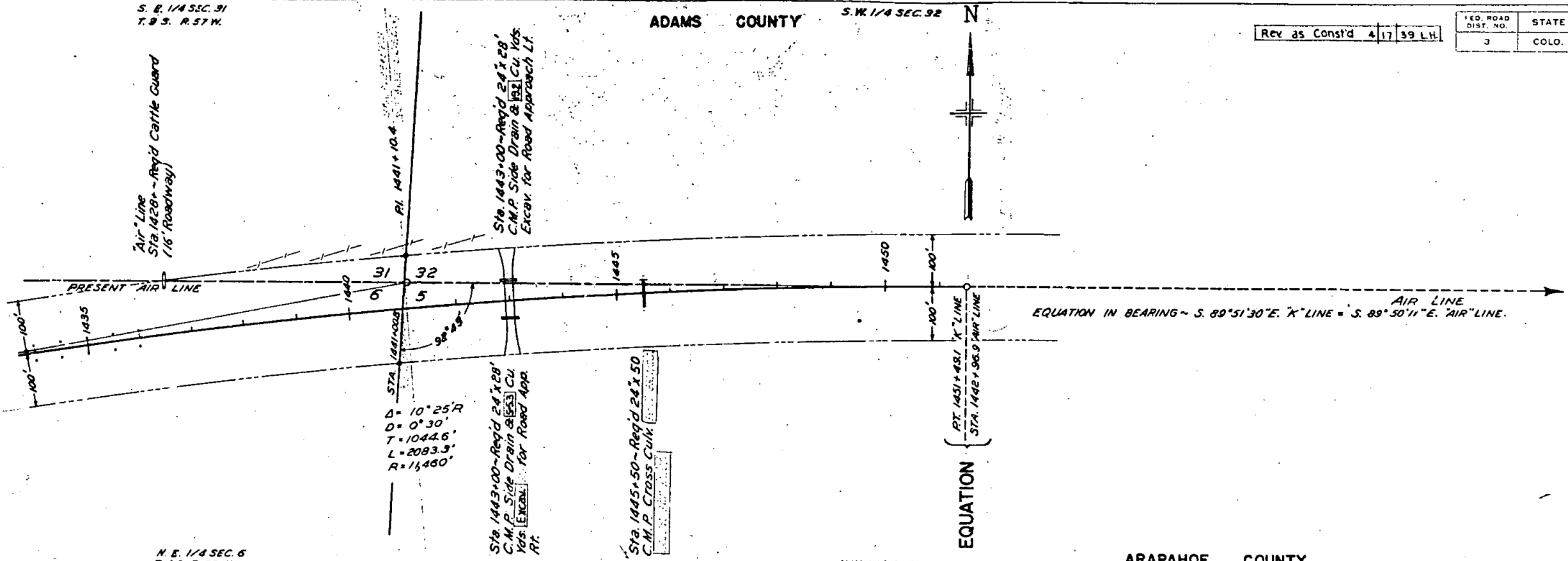
ADAMS COUNTY S.W. 1/4 SEC. 32

Rev as Const'd 4 | 17 | 39 L.H.

FED. ROAD DIST. NO.	STATE	RWA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-0	50	



PLAN	DATE	BY	CHECKED
PL 1443-00	10/19/00	J. W. HARRIS	J. W. HARRIS

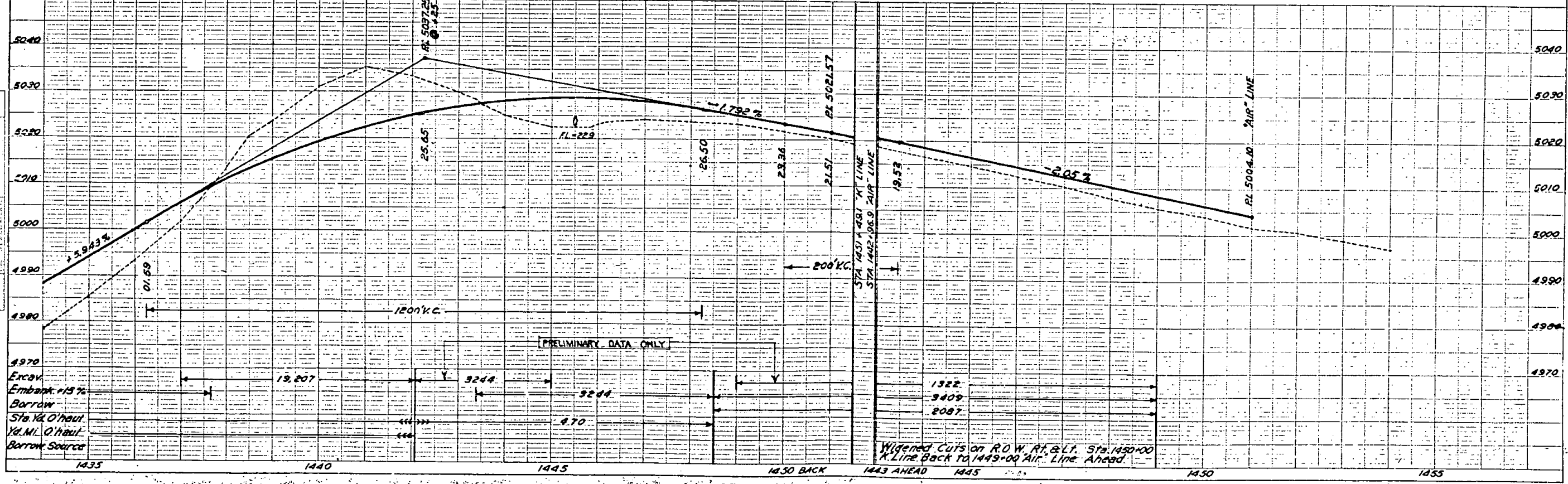


N. E. 1/4 SEC. 6
T. 4 S. R. 57 W.

N.W. 1/4 SEC. 5

ARAPAHOE COUNTY

PROFILE	DATE	BY	CHECKED
PL 1443-00	10/19/00	J. W. HARRIS	J. W. HARRIS



S.W. 1/4 SEC. 33
T.35 R.57W.

ADAMS COUNTY

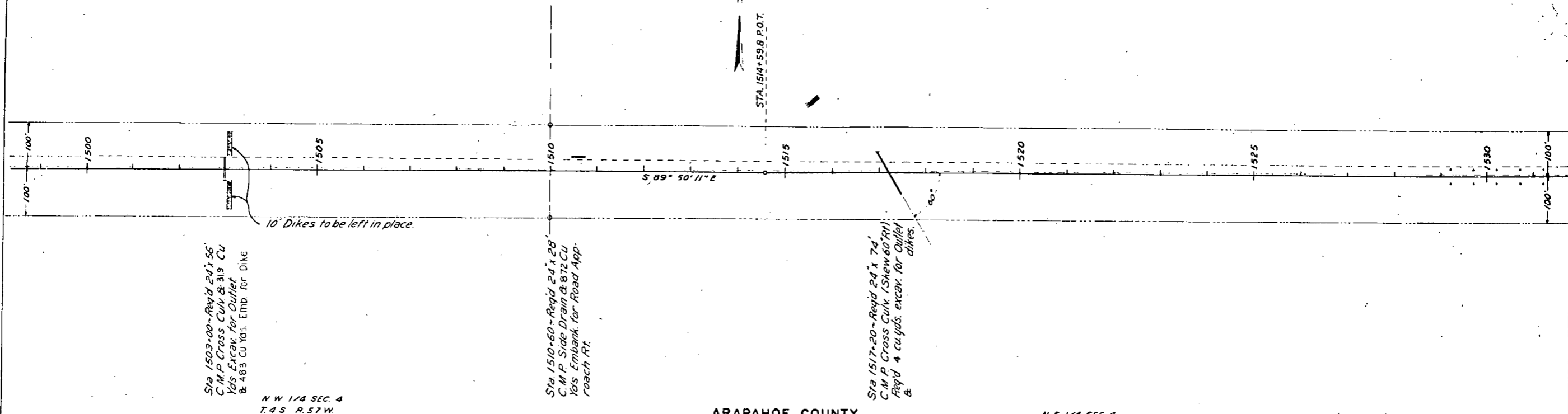
S.E. 1/4 SEC. 33

Rev as Const'd 4/17/39 LH

FED. ROAD DIST. NO.	STATE	PWA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	53	

PLAN	DATE	BY
1500-1530	1939	J.S.
1530-1550	1939	J.S.

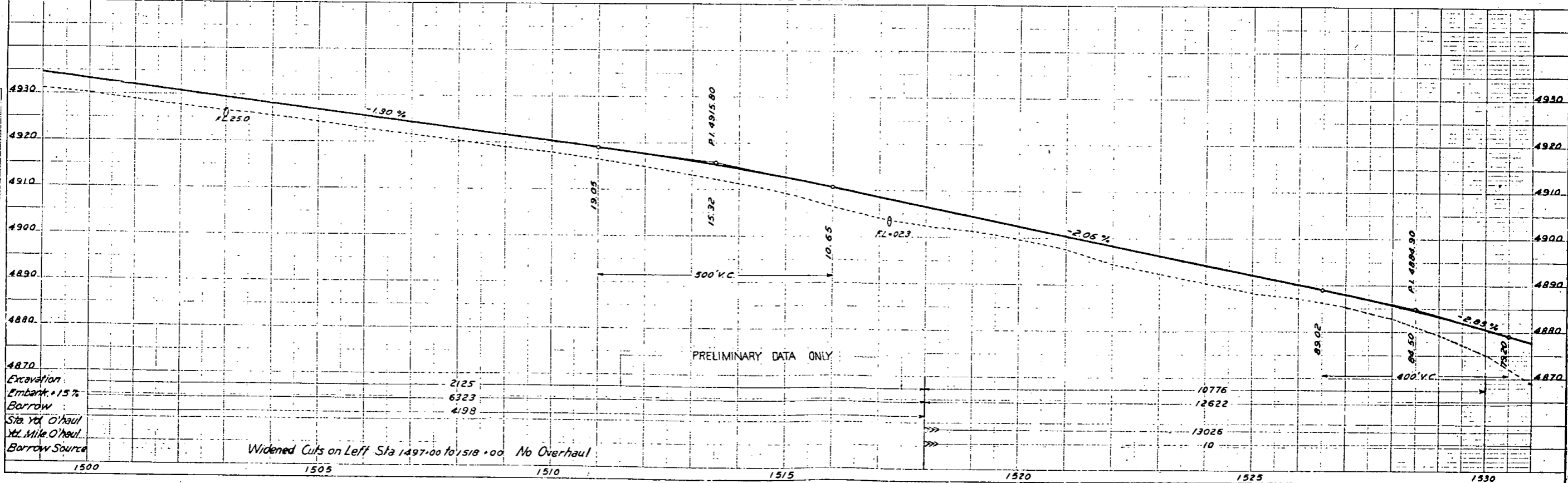
PROFILE	DATE	BY
1500-1530	1939	J.S.
1530-1550	1939	J.S.



N.W. 1/4 SEC. 4
T.45 R.57W.

ARAPAHOE COUNTY

N.E. 1/4 SEC. 4



PRELIMINARY DATA ONLY

Excavation	2125	
Embank. + 15%	6323	10776
Borrow	498	12622
Sta. Yd. O'haul		13025
1/2 Mile O'haul		10
Borrow Source		

Widened Cuts on Left Sta 1497+00 to 1518+00 No Overhaul

S.E. 1/4 SEC. 33
T. 35 R. 57W

ADAMS COUNTY

S.W. 1/4 SEC. 34

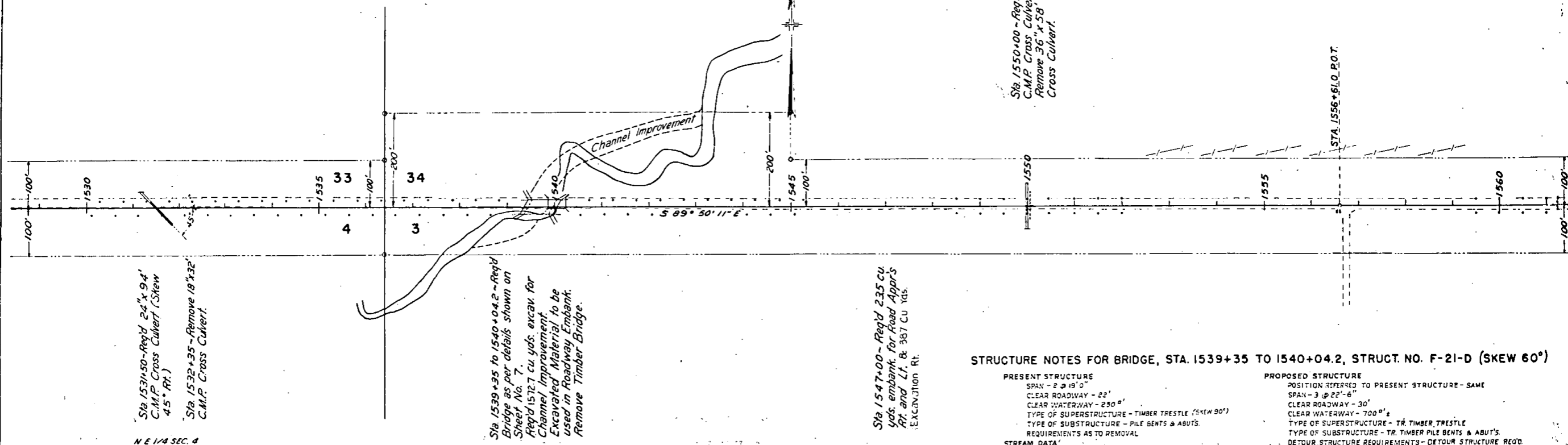
Rev as Const'd 4/17/39 L.H.

FED. ROAD DIST. NO.	STATE	RWA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	54	

Sta 1550+00 - Reqd 54x96
C.M.P. Cross Culvert
Remove 36" x 58" C.M.P.
Cross Culvert.

STA. 1556+61.0 P.O.T.

PLAN	DATE
NO. 1592	1/25/39
NO. 1593	2/1/39
NO. 1594	2/1/39
NO. 1595	2/1/39
NO. 1596	2/1/39
NO. 1597	2/1/39
NO. 1598	2/1/39
NO. 1599	2/1/39
NO. 1600	2/1/39



N.E. 1/4 SEC. 4
T. 45 R. 57W

ARAPAHOE COUNTY

N.W. 1/4 SEC. 3

STRUCTURE NOTES FOR BRIDGE, STA. 1539+35 TO 1540+04.2, STRUCT. NO. F-21-D (SKEW 60°)

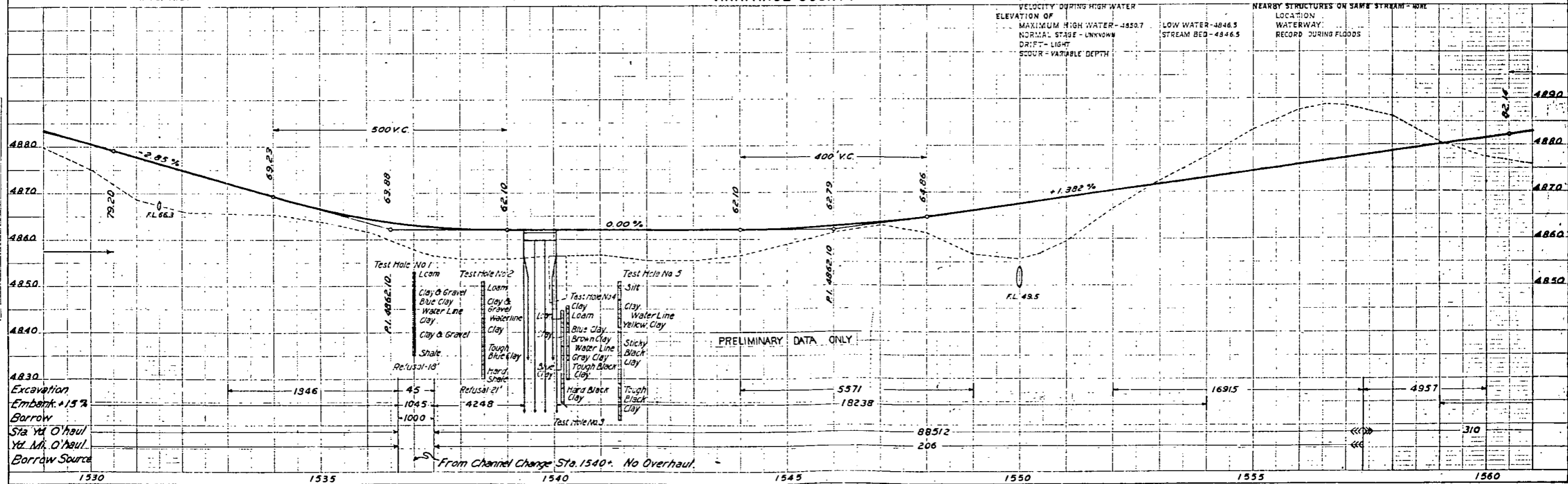
PRESENT STRUCTURE
SPAN - 2 @ 19' 0"
CLEAR ROADWAY - 22'
CLEAR WATERWAY - 250'
TYPE OF SUPERSTRUCTURE - TIMBER TRESTLE (SKEW 90°)
TYPE OF SUBSTRUCTURE - PILE BENTS & ABUTS.
REQUIREMENTS AS TO REMOVAL

PROPOSED STRUCTURE
POSITION REFERRED TO PRESENT STRUCTURE - SAME
SPAN - 3 @ 22'-6"
CLEAR ROADWAY - 30'
CLEAR WATERWAY - 700'
TYPE OF SUPERSTRUCTURE - TR. TIMBER TRESTLE
TYPE OF SUBSTRUCTURE - TR. TIMBER PILE BENTS & ABUTS.
DETOUR STRUCTURE REQUIREMENTS - DETOUR STRUCTURE REQ'D.
RR. SIDING - DEERTAIL HAUL TO BRIDGE SITE - 24 MI.

STREAM DATA
DRAINAGE AREA IN SQ. MILES - 3.27 MI.
VELOCITY DURING HIGH WATER
ELEVATION OF
MAXIMUM HIGH WATER - 4850.7
NORMAL STAGE - UNKNOWN
DRIFT - LIGHT
SCOUR - VARIABLE DEPTH

NEARBY STRUCTURES ON SAME STREAM - NONE
LOCATION
WATERWAY
RECORD DURING FLOODS

PROFILE	DATE
NO. 1592	1/25/39
NO. 1593	2/1/39
NO. 1594	2/1/39
NO. 1595	2/1/39
NO. 1596	2/1/39
NO. 1597	2/1/39
NO. 1598	2/1/39
NO. 1599	2/1/39
NO. 1600	2/1/39



S.E. 1/4 SEC. 34
T.3S. R. 57W.

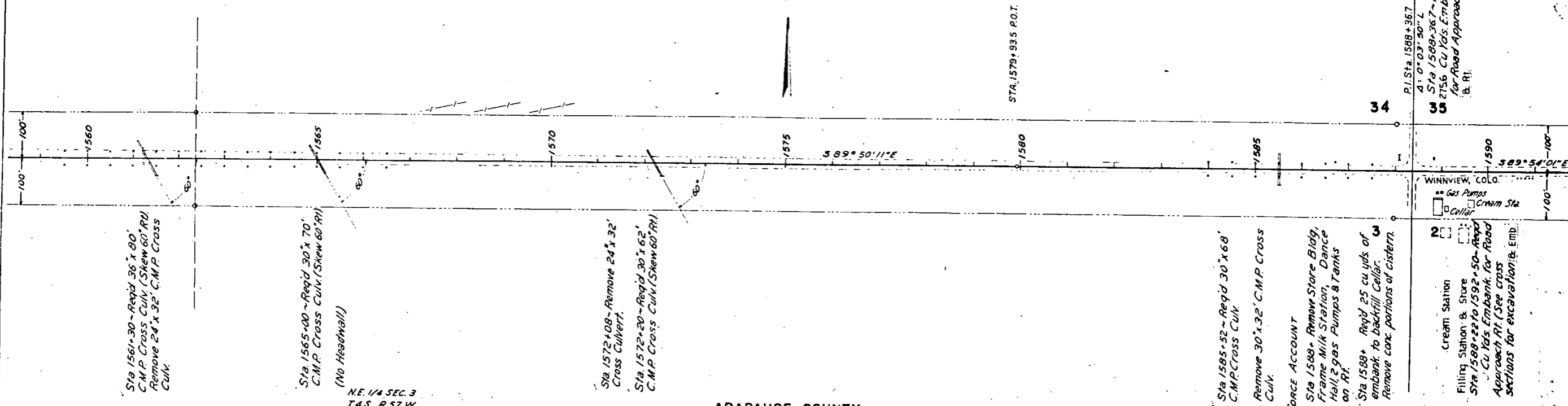
ADAMS COUNTY

Rev. as Const'd 4/17/39 L.H.

FED. ROAD DIST. NO.	STATE	R.I.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	951-D	55	

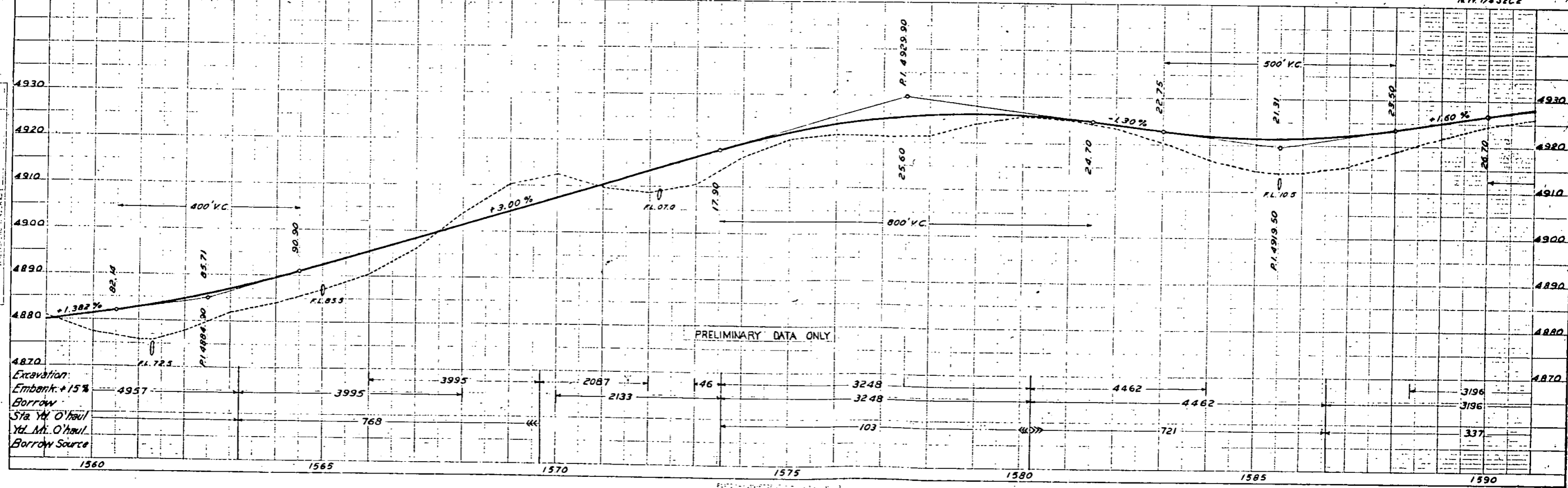
S.W. 1/4 SEC. 35

PLAN	DATE
1592	1939
1593	1939
1594	1939
1595	1939
1596	1939
1597	1939
1598	1939
1599	1939
1600	1939



ARAPAHOE COUNTY

N.W. 1/4 SEC. 2



PRELIMINARY DATA ONLY

S.W. 1/4 SEC. 35
T. 3 S. R. 57 W.

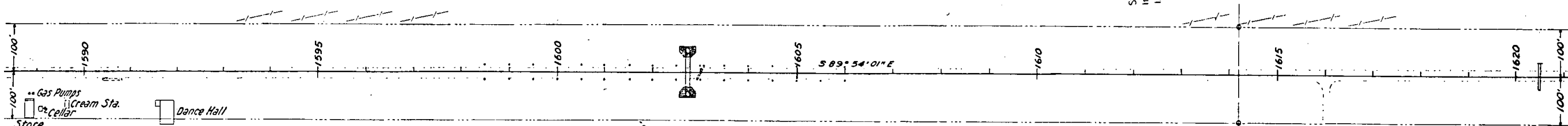
ADAMS COUNTY

FED. ROAD DIST. NO.	STATE	DWA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	56	

Rev as Const'd 4/17/39 L.H.

S.E. 1/4 SEC. 35

PLAN	DATE	BY	CHECKED
1590+58 - Remove 15' x 40' C.M.P. Side Drain Rt.	1937		
1602+75 - Reg'd 105 x 90 Multiple Plate Cross Culv. Remove 36' x 36' C.M.P. Cross Culv. Reg'd 611 cu. yds. excav. for Inlet and Outlet. See details on Sheet Nos. 10 & 11. (To be used as Stock Pass)	1937		
1612+00 - Reg'd 665 cu. yds. embank. for Road Approaches Rt. & Lt.	1937		



Sta 1590+58 - Remove 15' x 40' C.M.P. Side Drain Rt.

Sta 1602+75 - Reg'd 105 x 90 Multiple Plate Cross Culv. Remove 36' x 36' C.M.P. Cross Culv. Reg'd 611 cu. yds. excav. for Inlet and Outlet. See details on Sheet Nos. 10 & 11. (To be used as Stock Pass)

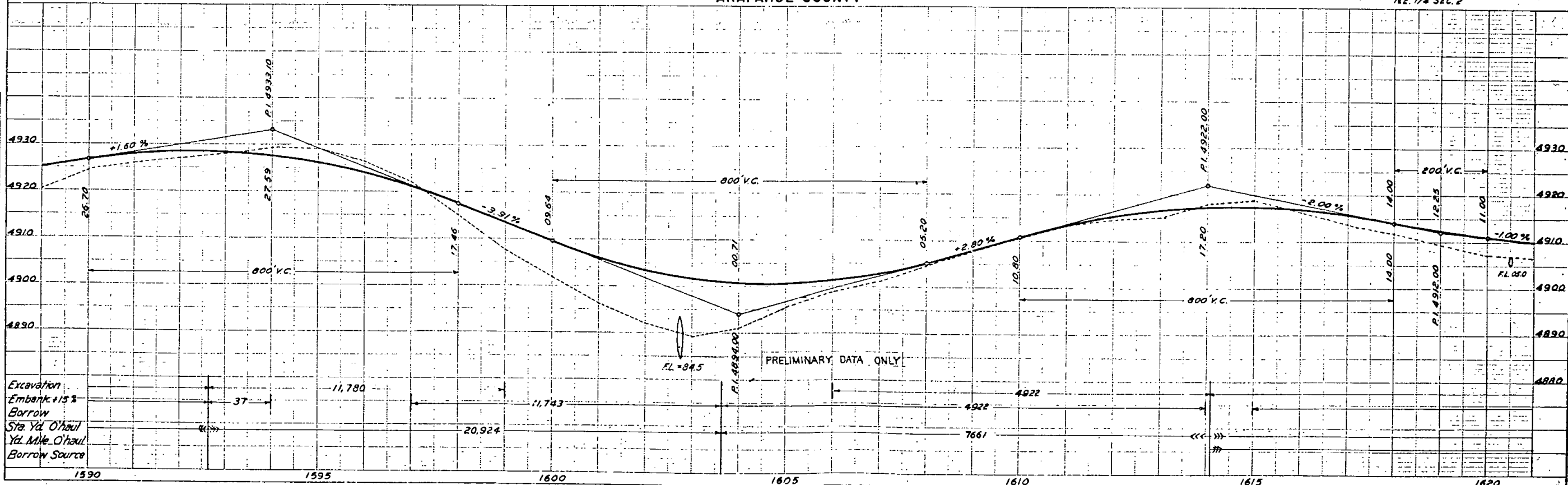
Sta 1612+00 - Reg'd 665 cu. yds. embank. for Road Approaches Rt. & Lt.

N.W. 1/4 SEC. 2
T. 4 S. R. 57 W.

ARAPAHOE COUNTY

NE 1/4 SEC. 2

PROFILE	DATE	BY	CHECKED
1590+58 - Remove 15' x 40' C.M.P. Side Drain Rt.	1937		
1602+75 - Reg'd 105 x 90 Multiple Plate Cross Culv. Remove 36' x 36' C.M.P. Cross Culv. Reg'd 611 cu. yds. excav. for Inlet and Outlet. See details on Sheet Nos. 10 & 11. (To be used as Stock Pass)	1937		
1612+00 - Reg'd 665 cu. yds. embank. for Road Approaches Rt. & Lt.	1937		



Excavation
Embank. +15%
Borrow
Sta. Yd. O'Haul
Yd. Mile O'Haul
Borrow Source

PRELIMINARY DATA ONLY

S.W. 1/4 SEC. 36
T.3S. R.57W.

ADAMS COUNTY

S.E. 1/4 SEC. 36
Rev. as Const'd 4 | 17 | 39 L.W.

FED. ROAD DIST. NO.	STATE	P.W.A. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	58	

Sta 1657+20 - Req'd 1477 cu. yds. embank. for Road Approaches Lt. & Rt.

Sta 1657+00 - Req'd 24' x 66' C.M.P. Cross Culvert & 165 cu. yds. excav. for Outlet.

Sta. 1677+00 - Req'd 24' x 60' C.M.P. Cross Culvert & 42.4 cu. yds. excav. for Outlet.

N.W. 1/4 SEC. 1
T.4S. R.57W.

ARAPAHOE COUNTY

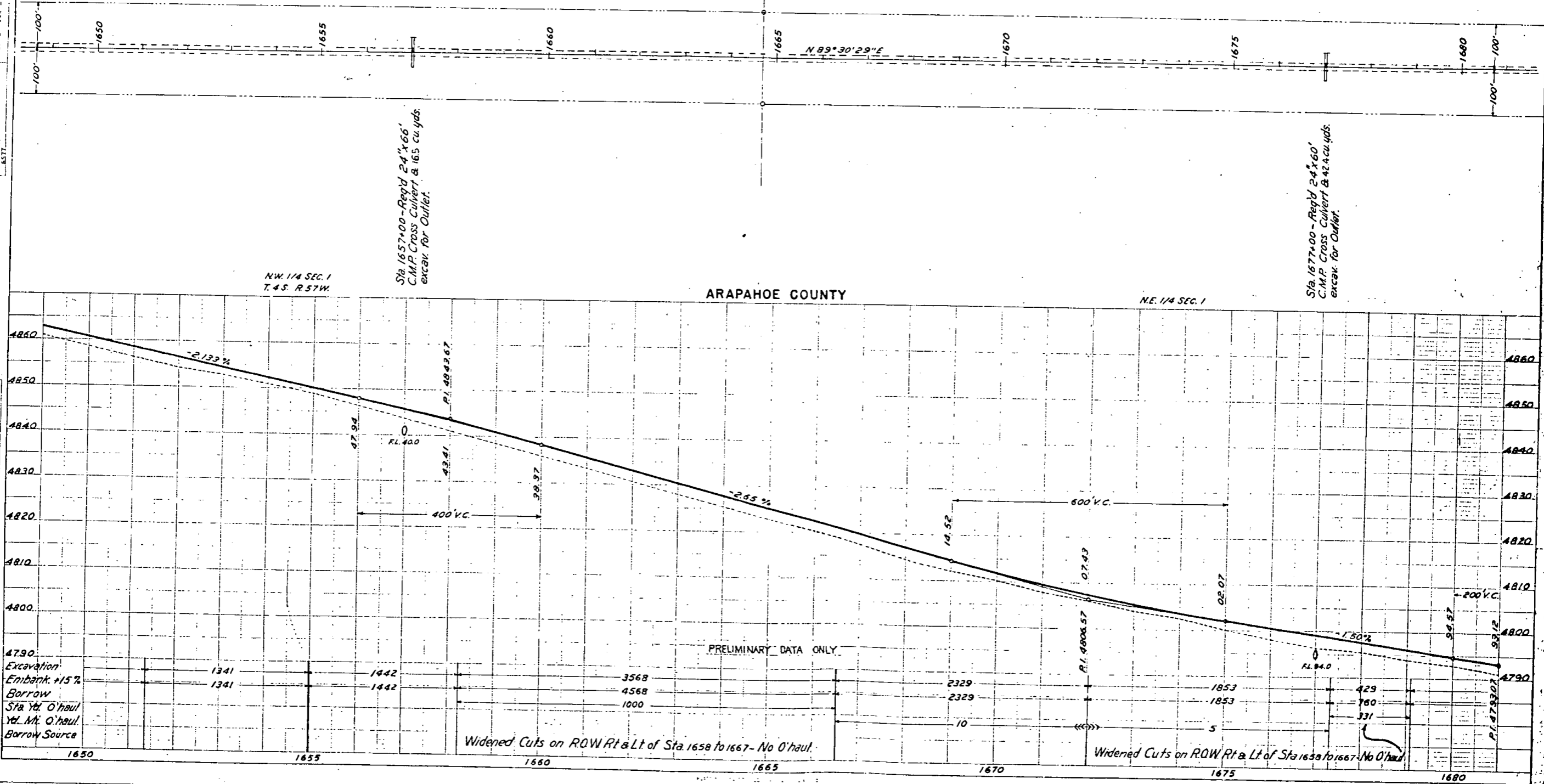
N.E. 1/4 SEC. 1

PLAN

Scale	1" = 100'
North Arrow	True
Stationing	Stationing
Notes	Notes

PROFILE

Scale	1" = 10'
Vertical Curve	Vertical Curve
Notes	Notes



PRELIMINARY DATA ONLY

Widened Cuts on ROW Rt & Lt of Sta 1658 to 1667 - No O'haul.

Widened Cuts on ROW Rt & Lt of Sta 1658 to 1667 - No O'haul.

S.E. 1/4 SEC. 36
T. 35. R. 57 W.

ADAMS COUNTY

S.W. 1/4 SEC. 31
T. 35. R. 56 W.

Rev as Const'd 4 | 17 | 39 L.H.

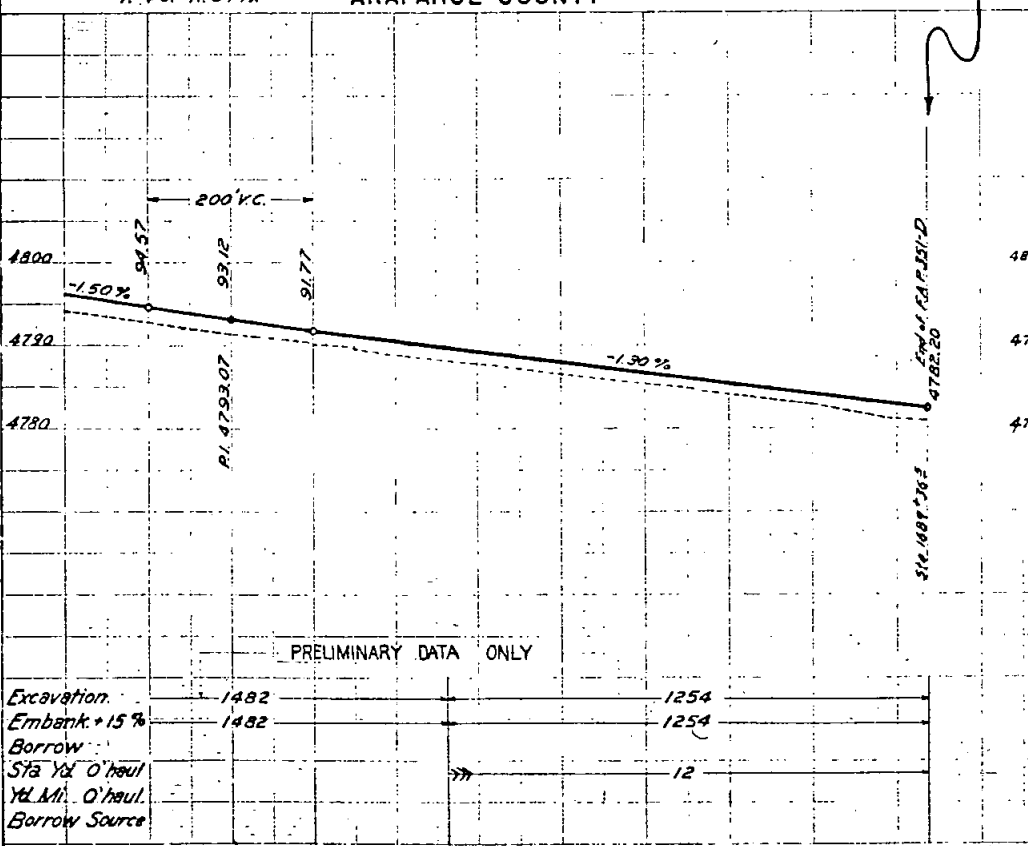
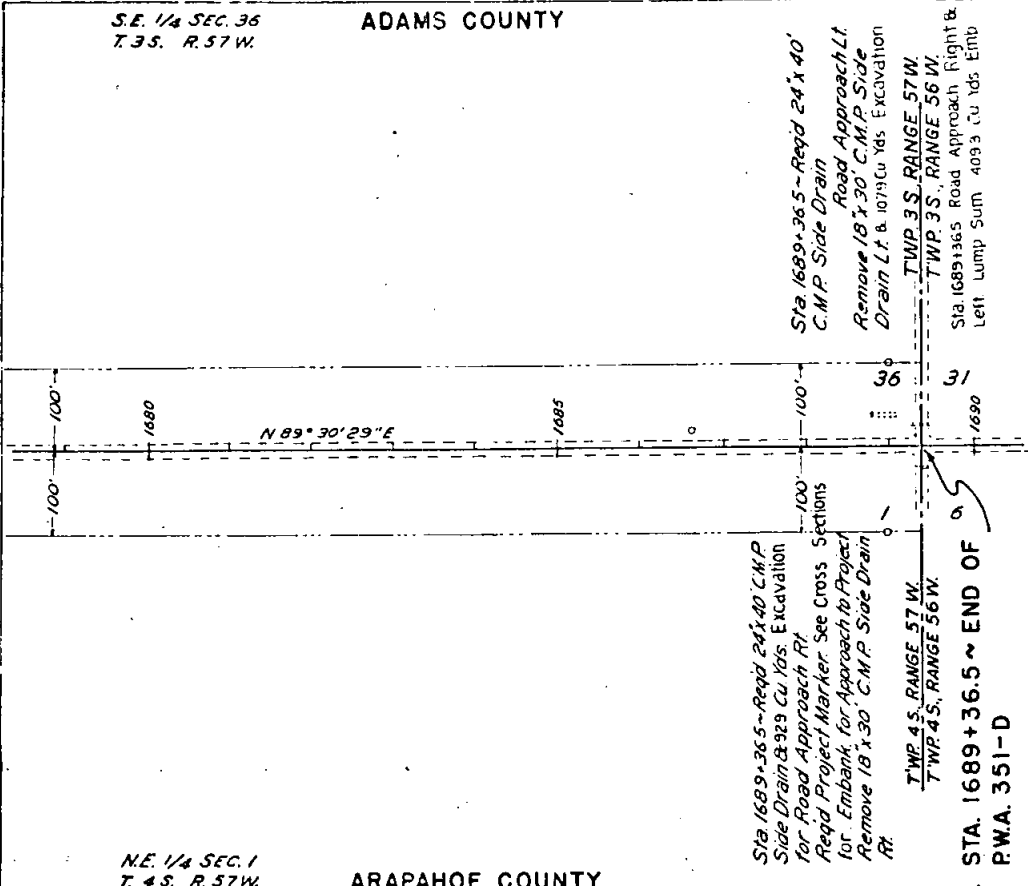
FED. ROAD DIST. NO.	STATE	RWA PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	351-D	59	

WASHINGTON COUNTY

N.E. 1/4 SEC. 1
T. 4 S. R. 57 W.

ARAPAHOE COUNTY

N.W. 1/4 SEC. 6
T. 4 S. R. 56 W.



PRELIMINARY DATA ONLY

Excavation	1482	1254
Embank + 15 %	1482	1254
Borrow		
Sta Yd. O'haul		12
Yd. Mt. O'haul		
Borrow Source		

Station	Excavation	Embankment	Borrow	Station
1680				1685
1685				1690
1690				1695
1695				1700
1700				1705
1705				1710
1710				1715
1715				1720
1720				1725
1725				1730
1730				1735
1735				1740
1740				1745
1745				1750
1750				1755
1755				1760
1760				1765
1765				1770
1770				1775
1775				1780
1780				1785
1785				1790
1790				1795
1795				1800
1800				1805
1805				1810
1810				1815
1815				1820
1820				1825
1825				1830
1830				1835
1835				1840
1840				1845
1845				1850
1850				1855
1855				1860
1860				1865
1865				1870
1870				1875
1875				1880
1880				1885
1885				1890
1890				1895
1895				1900
1900				1905
1905				1910
1910				1915
1915				1920
1920				1925
1925				1930
1930				1935
1935				1940
1940				1945
1945				1950
1950				1955
1955				1960
1960				1965
1965				1970
1970				1975
1975				1980
1980				1985
1985				1990
1990				1995
1995				2000