

COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. S 0023(9) STATE HIGHWAY NO. 71 LINCOLN COUNTY RIGHT OF WAY

SCALES OF ORIGINAL DRAWINGS

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
LENGTH OF PROJECT = 9.630 MILES R.O.W.

FEDERAL ROAD REGION NO.	DIVISION	PROJ NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	S 0023 (9)	1	

RIGHT OF WAY
PUNKIN CENTER-SOUTH

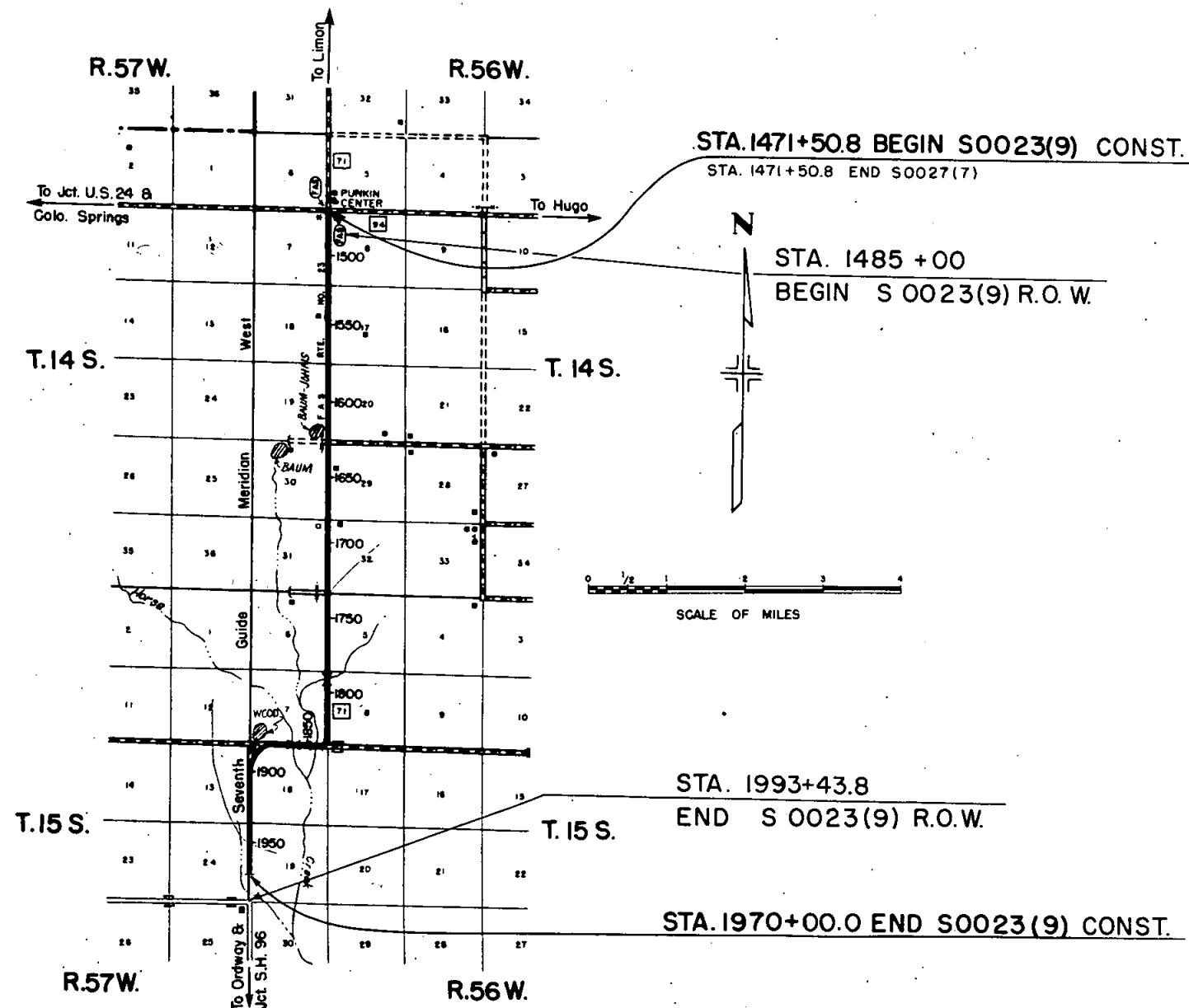
REVISIONS		
NO.	DESCRIPTION	DATE
1-19-61	END R.O.W.	CLD

INDEX OF SHEETS

SHEET NO. 1 SKETCH MAP AND TITLE PAGE.
2-2A TABULATION OF PROPERTIES.
3-21 ALIGNMENT PLAN AND PROFILE SHEETS
SHOWING RIGHT OF WAY.

CONVENTIONAL SIGNS

CENTER LINE	PLAN SHEET	TITLE SHEET
RIGHT OF WAY LINE	PLAN SHEET	TITLE SHEET
COUNTY LINE	PLAN SHEET	TITLE SHEET
TOWNSHIP OR RANGE LINE	PLAN SHEET	TITLE SHEET
LAND LINES	SECTION LINE	1/4 SECTION LINE
RAILROAD	TITLE SHEET	PLAN SHEET
BARBED WIRE FENCE	PLAN SHEET	TITLE SHEET
COMBINATION WIRE FENCE	PLAN SHEET	TITLE SHEET
SNOW FENCE	PLAN SHEET	TITLE SHEET
TELEPHONE & TELEGRAPH LINES	PLAN SHEET	TITLE SHEET
POWER LINE	PLAN SHEET	TITLE SHEET
DETOUR	PLAN SHEET	TITLE SHEET
PRESENT ROAD (Plan Sheets)	PLAN SHEET	TITLE SHEET



FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	S 0023(9)	2	

REVISIONS		
1-19-61	9 Rev., 9A, 11 Rev.	CLD

[illegible]

R. O. W. TABULATION OF PROPERTIES IN LINCOLN COUNTY S.H. No. 71 PROJ. S 0023(9)

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
0	COLORADO	S 0023(9)	2 A	

RIGHT OF WAY

REVISIONS

[illegible]

S.W. 1/4 Sec. 5, T.14 S., R. 56 W.

N.W. 1/4 Sec. 8, T.14 S., R. 56 W.

NOTE:
Alignment and Grades as shown are subject to modification during construction after approval by the Denver Office

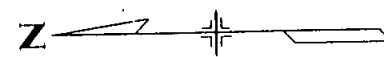
Soil data shown on the plans is obtained from best available testing laboratory information. This information is shown for convenience of the Contractor and the Department does not guarantee the accuracy of these tests. If materials not conforming to the data on plans are encountered during construction the grading plan shown on plans will be modified where necessary to secure dense stable embankments.

S0023(9)

3

REVISIONS

RIGHT OF WAY
PUNKIN CENTER-SOUTH

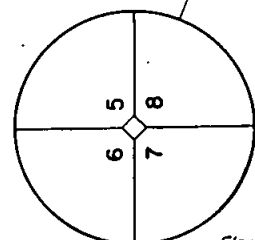


① All of Sec. 8
T.14 S., R. 56 W.
Carl White

② All of Sec. 7
T.14 S., R. 56 W.
Jack P. Jones et al

STA. 1471+50.8 BEGIN S0023(9)=
STA. 1471+50.8 END S0027(7)

Present R.O.W.
STA. 1485+00
BEGIN R.O.W.
S0023(9)



S.E. 1/4 Sec. 6, T.14 S., R. 56 W.

Elev. 5363.15
H.B.G. 51' R.I. Sta. 1470+00

B.M. Elev. 5360.94
H.B.G. 51' R.I. Sta. 1480+00

N.E. 1/4 Sec. 7, T.14 S., R. 56 W.

Elev. 5364.36
H.B.G. 54' R.I. Sta. 1485

Elev. 5369.33
H.B.G. 54' R.I. Sta. 1490+00

Test No. 145 A-2-A(1)
L.L. N.V.
P.I. N.P.
% -200 12
CBR 173

5370

5360

5350

5370

5360

5350

1470

1475

1480

1485

1490

N.W. 1/4 Sec. 8, T.14S., R.56W.

S.W. 1/4 Sec. 8, T.14S., R.56W.

FEED ROAD R.C. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	5 0023 (9)	4	

RIGHT OF WAY
PUNKIN CENTER-SOUTH

REVISIONS

NO.	DESCRIPTION

① All of Sec. 8
T.14 S., R.56 W.
Carl White

② All of Sec. 7
T.14 S., R.56 W.
Jack P. Jones et al

Grazing

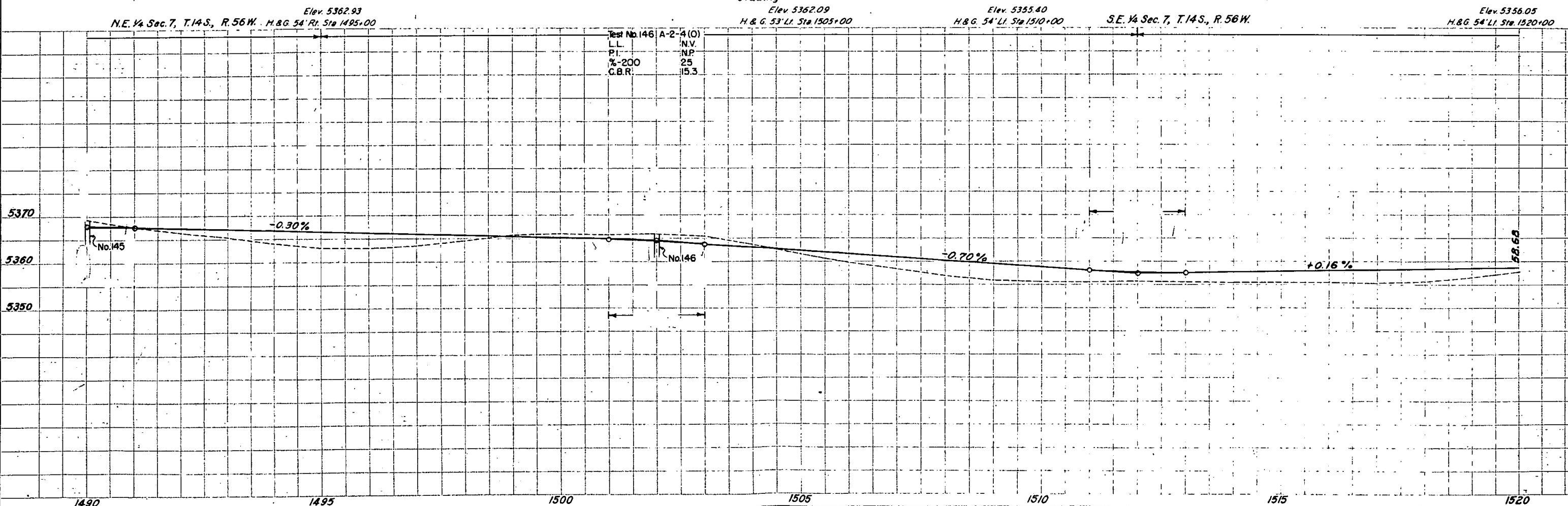
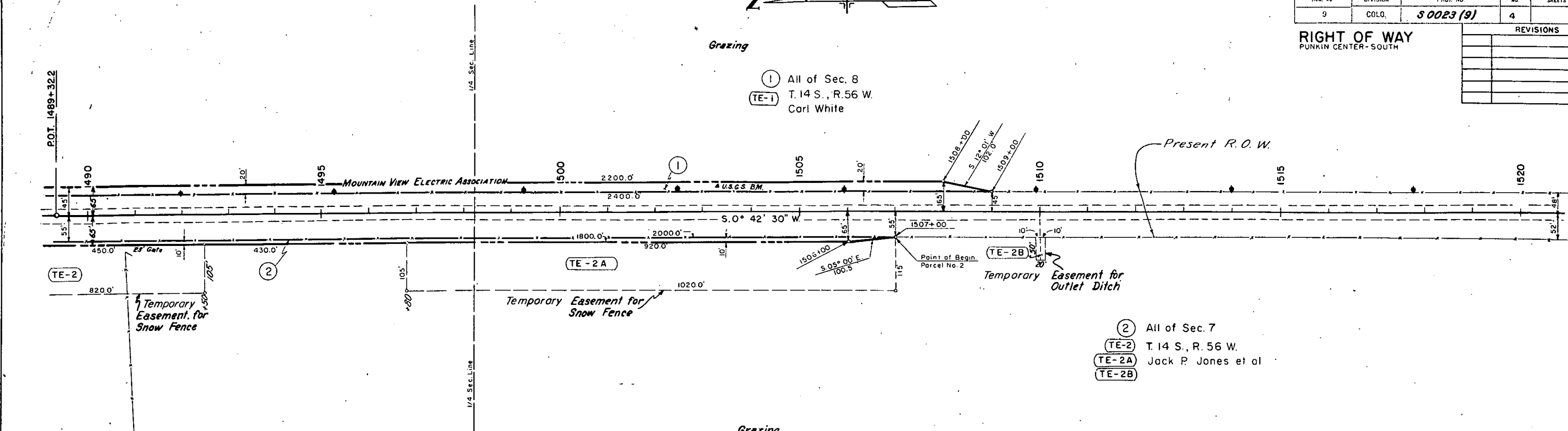
Elev. 5362.09
H & G 53' LI Sta 1505+00

Elev. 5355.40
H & G 54' LI Sta 1510+00

S.E. 1/4 Sec. 7, T.14S., R.56W.

Elev. 5356.05
H & G 54' LI Sta 1520+00

Test No. 146 A-2-4 (0)
LL N.V.
PI N.P.
% -200 25
C.B.R. 15.3



PLAN
NOTE BOOK
22354
NO. 22354

PROFILE
NOTE BOOK
22355
NO. 22355

S.W. 1/4 Sec. 17, T. 14 S., R. 56 W.

[illegible]

FIG. NO.	DIVISION	PRO. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S0023 (9)	6	

RIGHT OF WAY
PULKIN CENTER-SOUTH

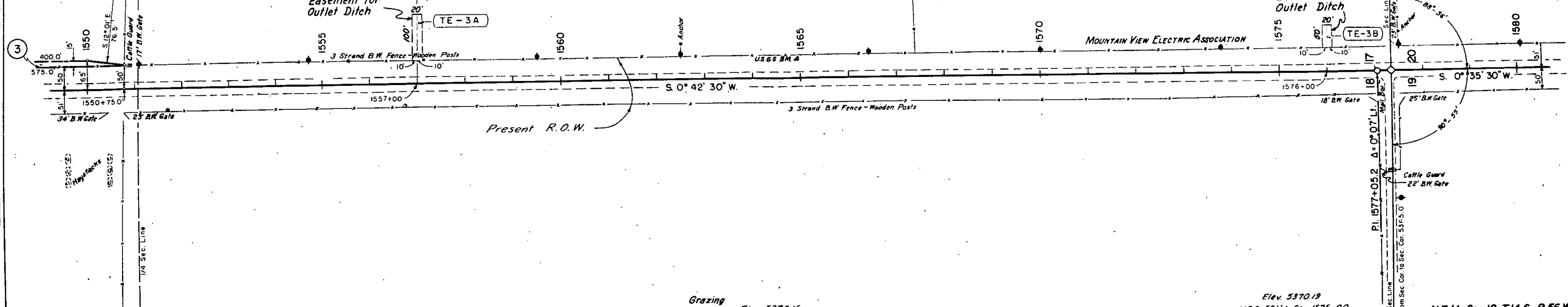
N.W 1/4 Sec. 20, T. 14 S., R. 56 W.

③ N. 1/2 of Sec. 17
T. 14 S., R. 56 W.
Carl White

TE-3A S. 1/2 of Sec. 17
TE-3B T. 14 S., R. 56 W.
Joseph F. Quick

Temporary
Easement for
Outlet Ditch

Temporary
Easement for
Outlet Ditch

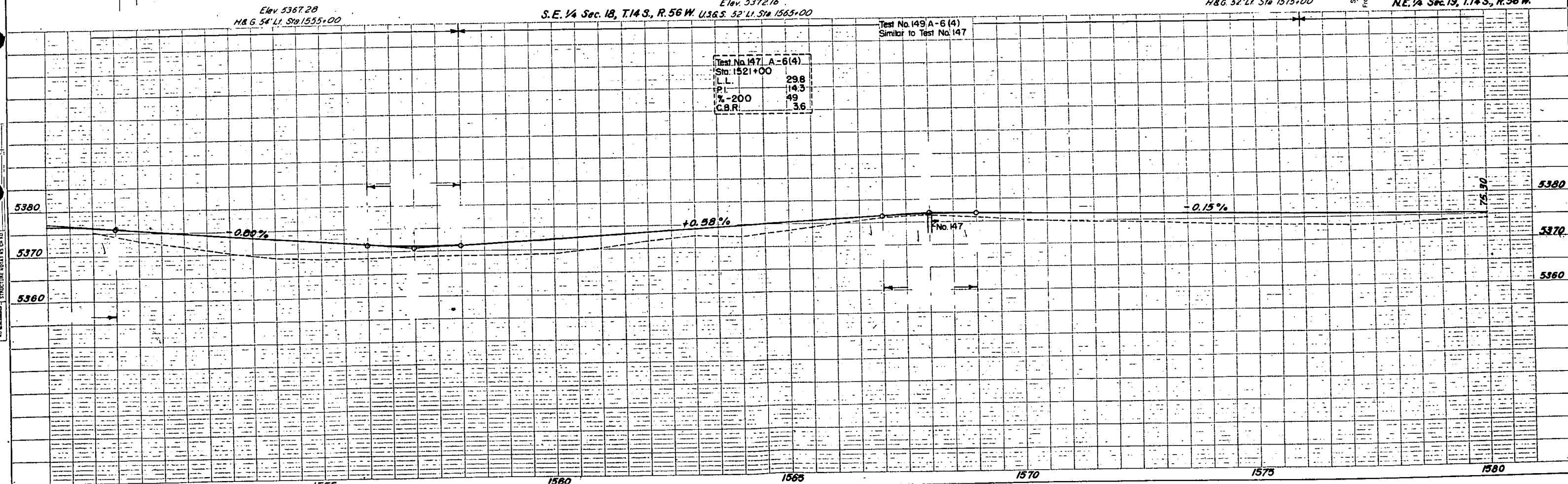


Elev. 5367.28
HB G. 54' Lt. Str. 1555+00

S.E. 1/4 Sec. 18, T.14 S., R. 56 W. U.S.G.S. 52' Lt. Sta. 1565+00

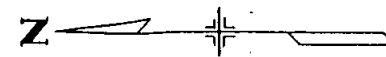
Test No. 149 A-6 (4)
Similar to Test No. 147

Test No. 147	A-6(4)
Sta: 1521+00	
L.L.	29.8
P.I.	14.3
%-200	49
C.B.R.	3.6



N.W. 1/4 Sec. 20, T.14 S., R. 56 W.

Grazing



FIELD BOOK	REVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
22354	1	S 0023 (9)	7	

SW 1/4 Sec. 20, T. 14 S., R. 56 W.

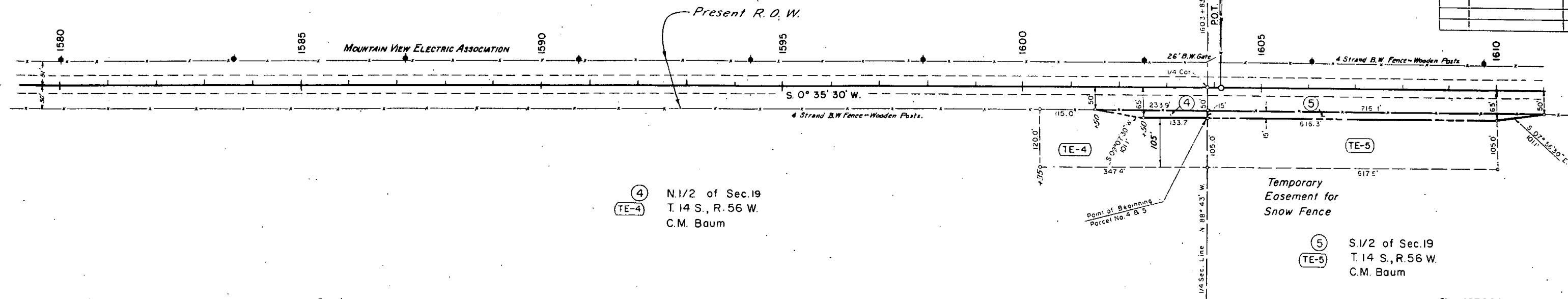
RIGHT OF WAY
PURKIN CENTER - SOUTH

Cultivated

REVISIONS

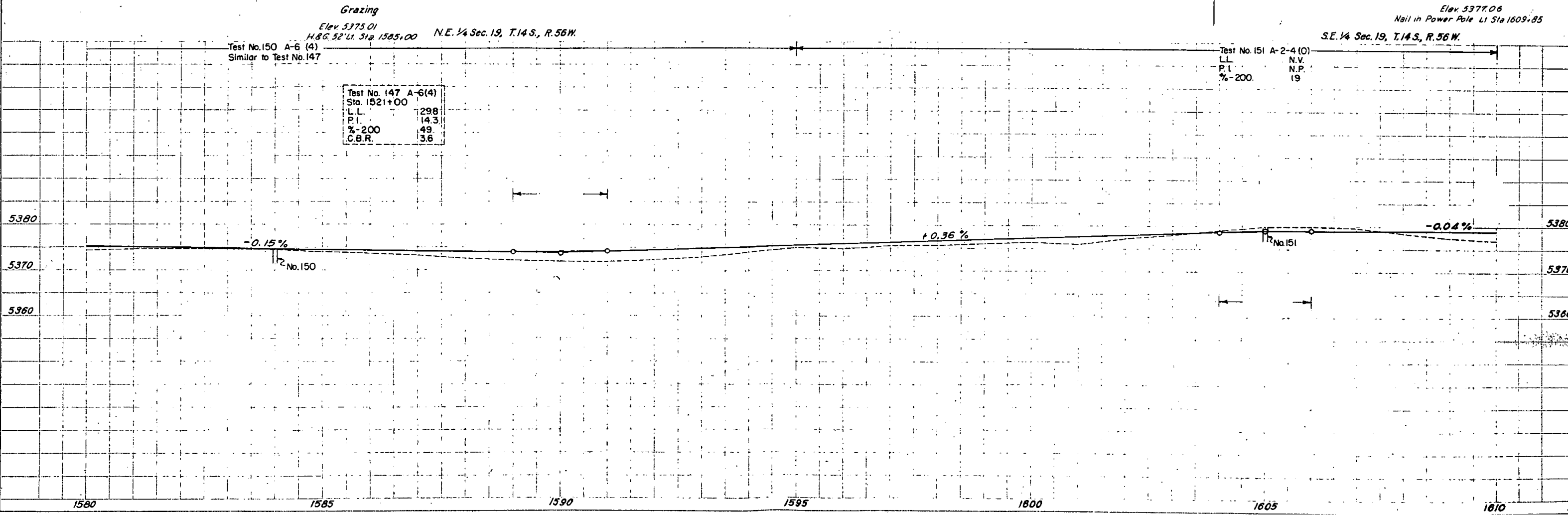
DATE	BY	REVISION

PLAN	DATE	BY	REVISION
22354	2/23/57		



DATE	BY	REVISION

PROFILE	DATE	BY	REVISION
22355	2/23/57		

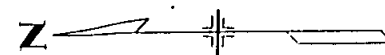


DATE	
BY	
PLAN	SURVEYED PLOTTED ALIGNED CHECKED NO. 223972

DATE	
BY	
PROFILE	SURVEYED PLOTTED GRADES CHECKED NO. 223972

S.W. 1/4 Sec. 20, T.14S, R.56W.

Grazing

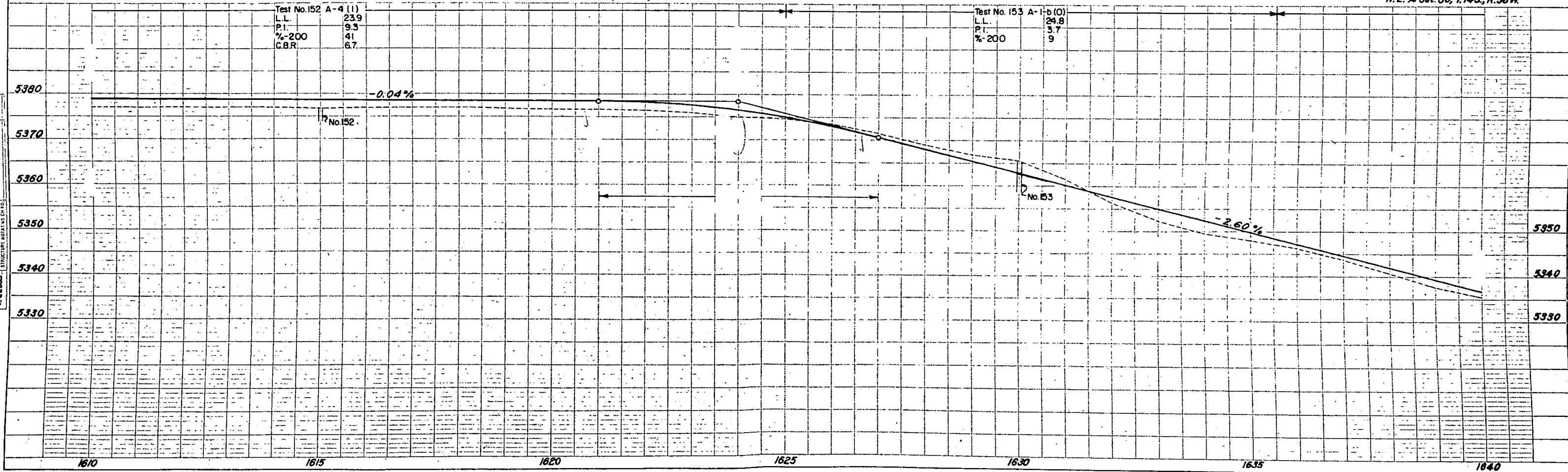
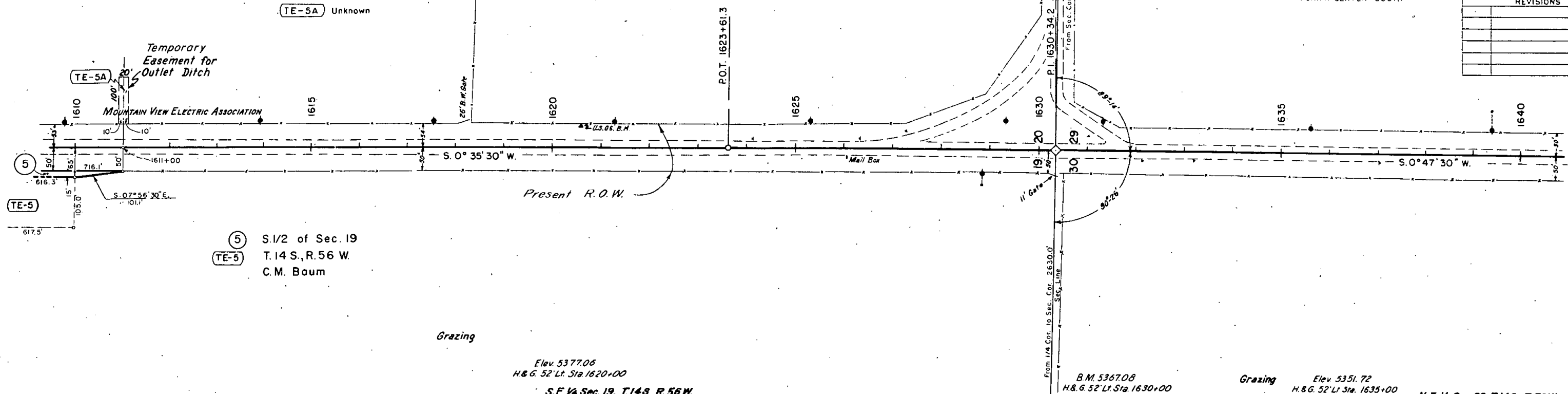


Grazing

S0023 (9)
N.W. 1/4 Sec. 29, T.14S, R.56W.

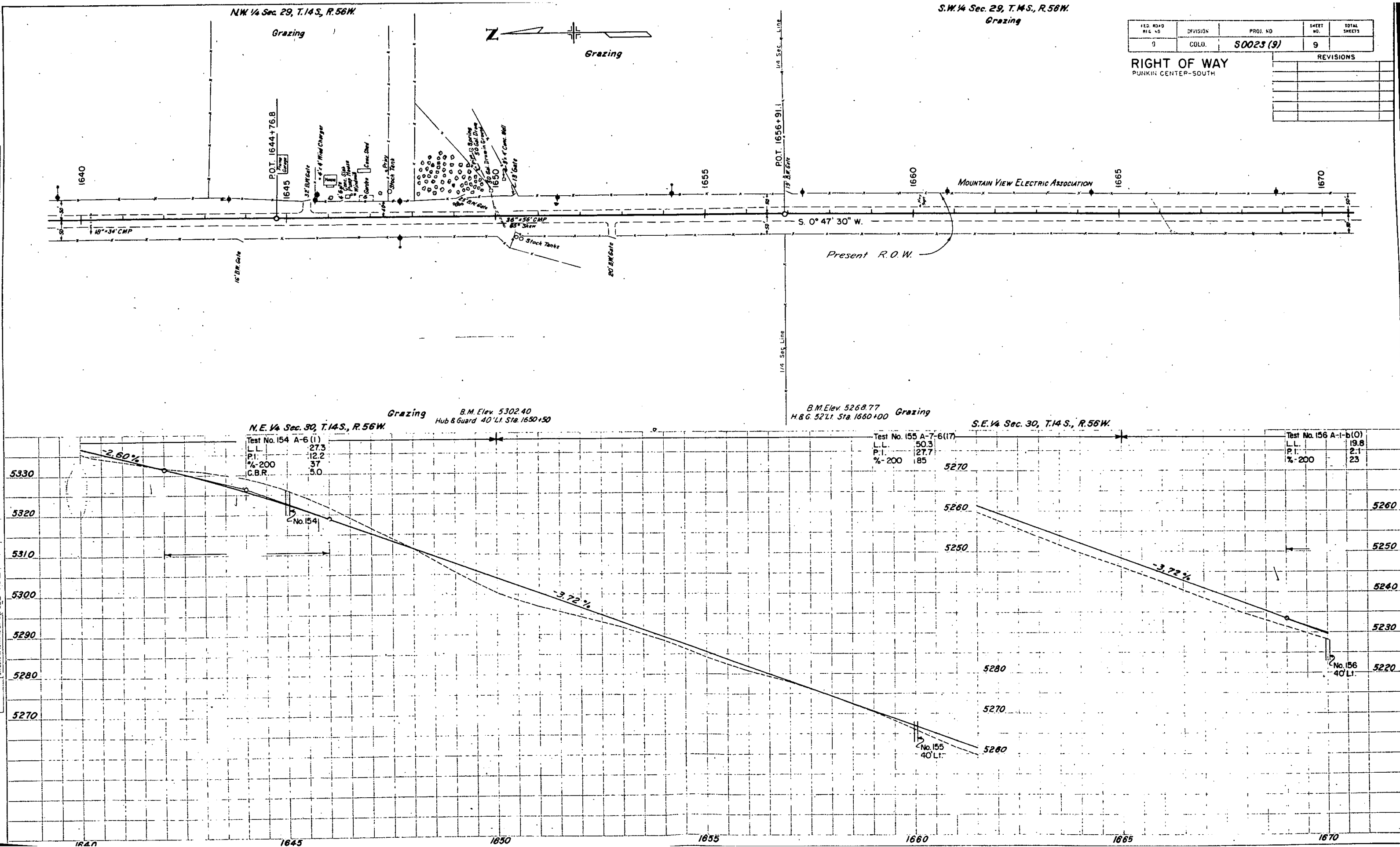
RIGHT OF WAY
PUNKIN CENTER-SOUTH

REVISIONS	



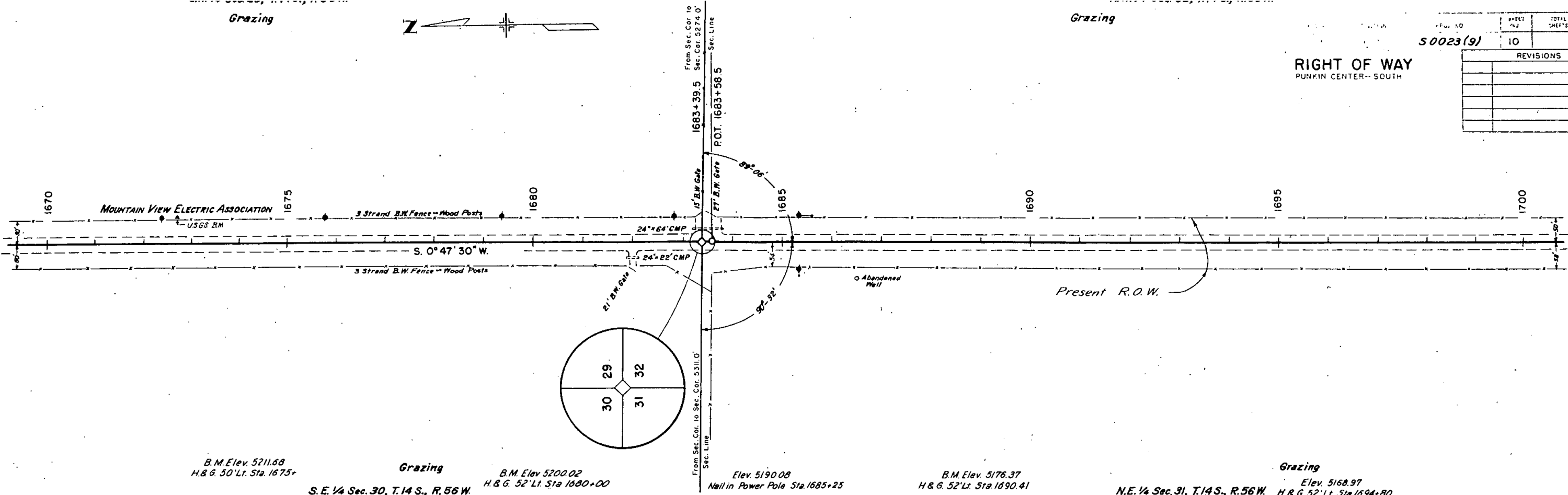
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PROFILE	DATE
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NO. 22399	
NO. 22400	



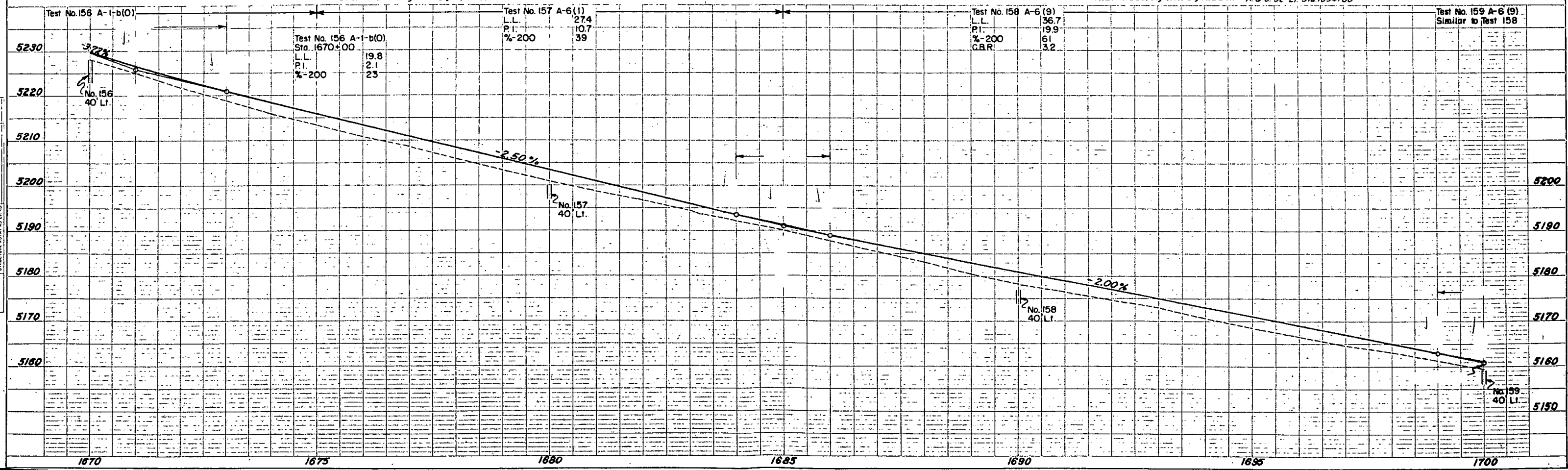
PLAN	SURVEYED	DATE
NOTE BOOK	PLotted	BY
NO. 22354	DATE	
NO. 22357		

PROFILE	SURVEYED	DATE
NOTE BOOK	PLotted	BY
NO. 22354	DATE	
NO. 22357		



RIGHT OF WAY
PUNKIN CENTER-- SOUTH

PROJECT NO.	50023(9)
SHEET NO.	10
TOTAL SHEETS	
REVISIONS	

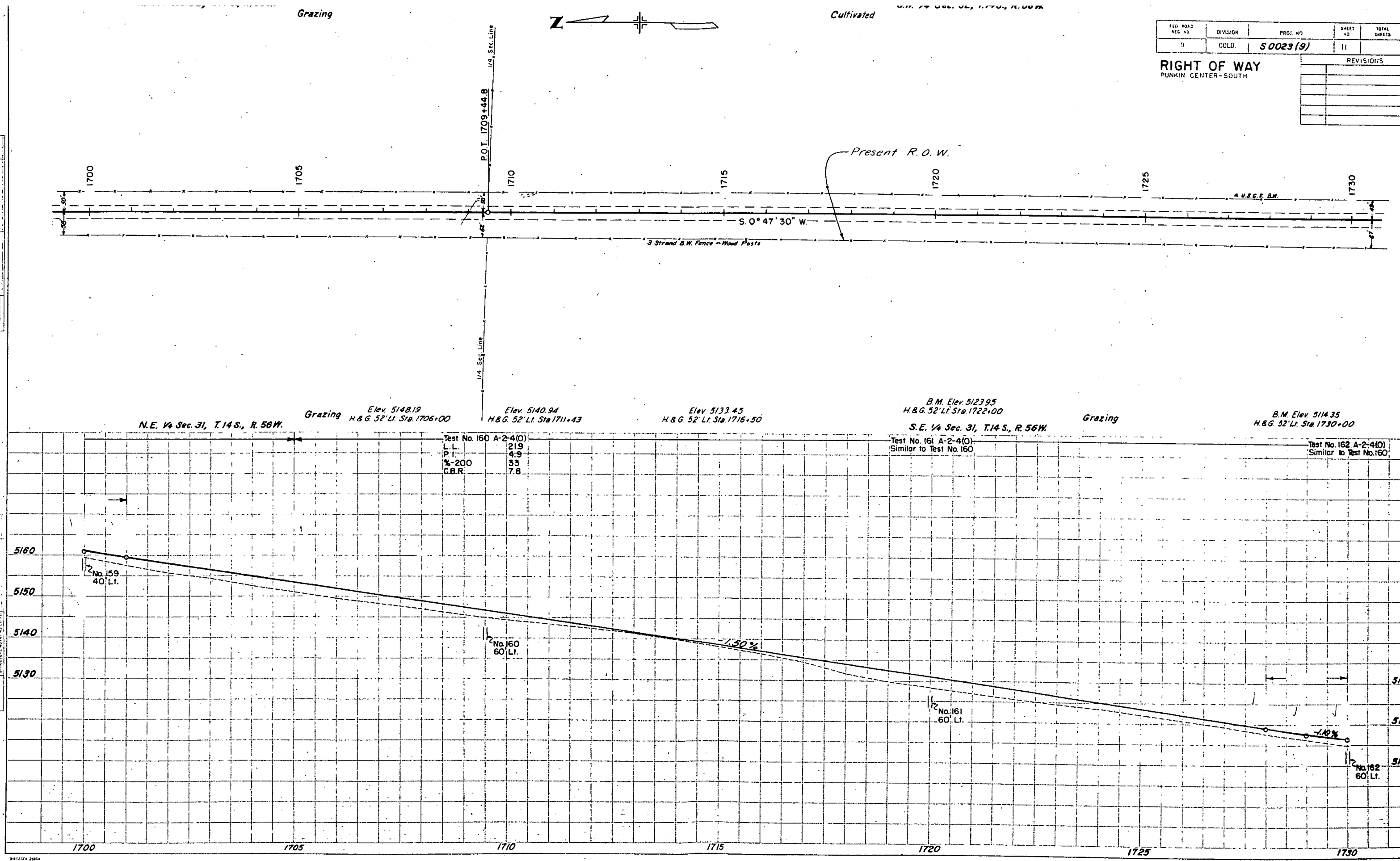


PLAN	DATE	
	BY	
	SURVEYED	
	NOTED	

PROFILE	DATE	
	BY	
	SURVEYED	
	NOTED	

FED. ROAD NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0023 (9)	11	

RIGHT OF WAY PUNKIN CENTER-SOUTH		REVISIONS



Jan. 1958

S.W. 1/4 Sec. 32, T.14S., R. 56W.
Cultivated

N.W. 1/4 Sec. 5, T.15S., R. 56W.

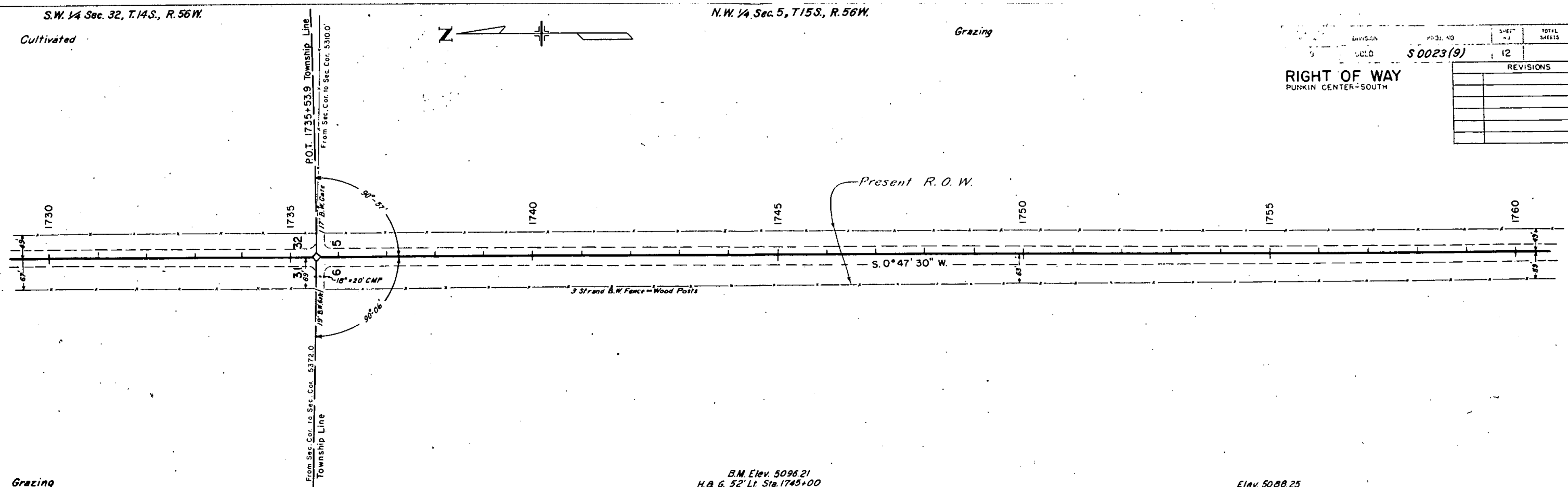
Grazing

DIVISION	PROJECT NO.	SHEET	TOTAL SHEETS
SOLO	50023(9)	12	

RIGHT OF WAY
PUNKIN CENTER-SOUTH

REVISIONS	

PLAN	DATE	BY
NO. 22357		
CHECKED ALIGNED RECORDED		



Grazing

S.E. 1/4 Sec. 31, T.14S., R. 56W.

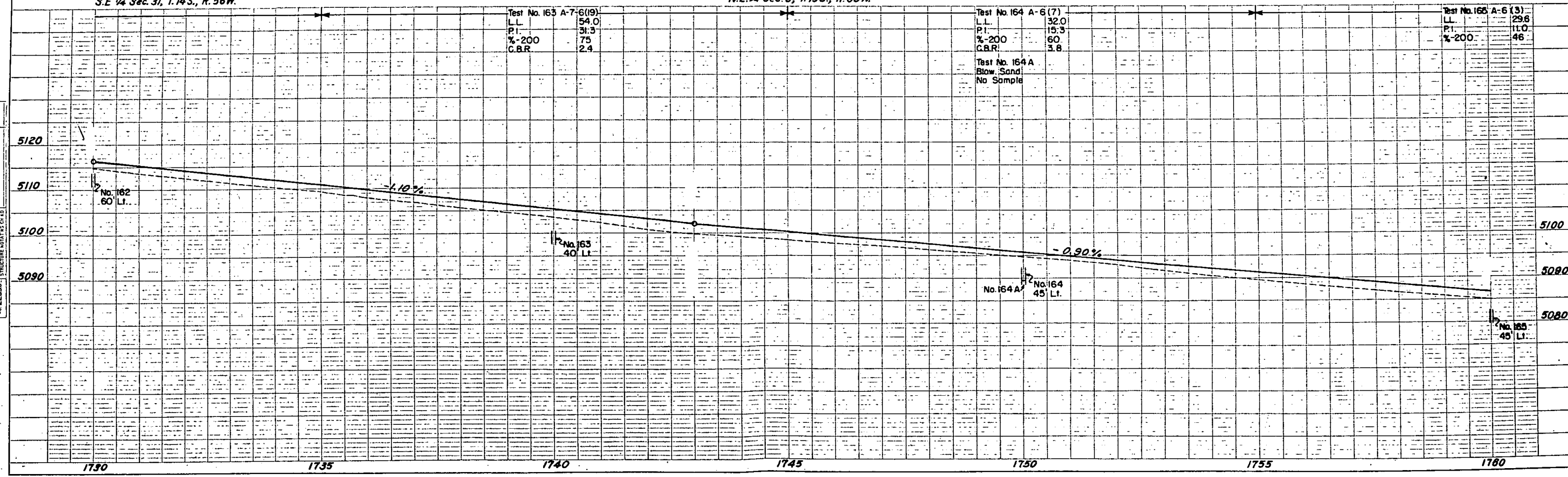
B.M. Elev. 5096.21
H. & G. 52' Lt. Sta. 1745+00

N.E. 1/4 Sec. 6, T.15S., R. 56W.

Grazing

Elev. 5088.25
H. & G. 50' Lt. Sta. 1755+00

PROFILE	DATE	BY
NO. 22355		
CHECKED ALIGNED RECORDED		



Test No. 163 A-7-6(19)
L.L. 54.0
P.I. 31.3
%-200 75
C.B.R. 2.4

Test No. 164 A-6(7)
L.L. 32.0
P.I. 15.3
%-200 60
C.B.R. 3.8

Test No. 164 A
Blow Sand
No Sample

Test No. 165 A-6(13)
L.L. 29.8
P.I. 11.0
%-200 46

S.W. 1/4 Sec. 5, T. 15 S., R. 56 W.

REVISIONS

FED. ROAD DIST. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLD.	S 0023 (9)	13	

RIGHT OF WAY
PUNKIN CENTER-SOUTH

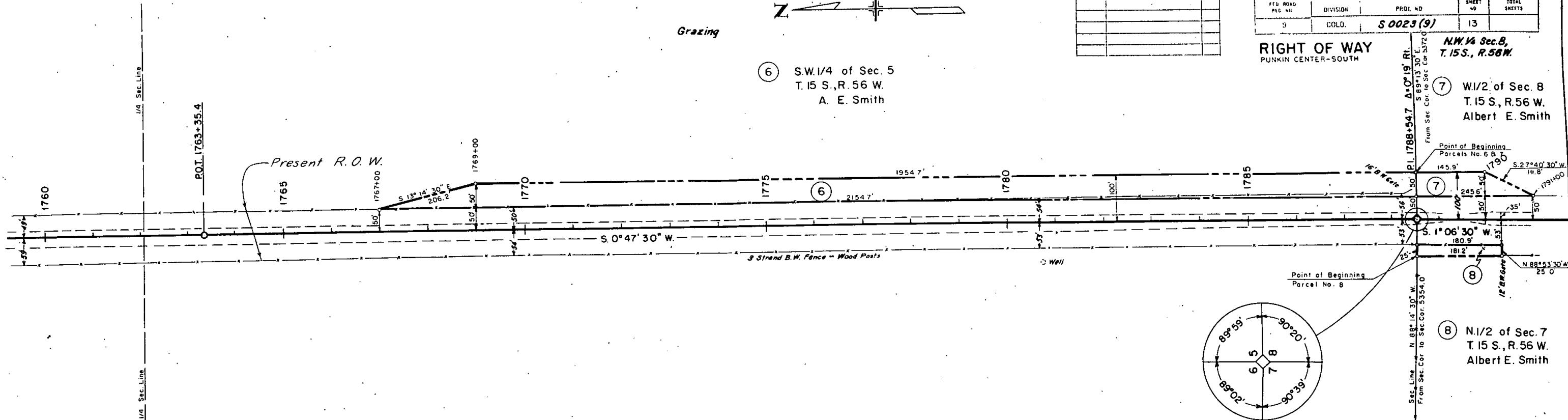
N.W. 1/4 Sec. 8,
T. 15 S., R. 56 W.

7 W. 1/2 of Sec. 8
T. 15 S., R. 56 W.
Albert E. Smith

8 N. 1/2 of Sec. 7
T. 15 S., R. 56 W.
Albert E. Smith

Elev. 5061.45
H & G. 50' Lt. Sta. 1790+00
N.E. 1/4 Sec. 7, T. 15 S., R. 56 W.

6 S.W. 1/4 of Sec. 5
T. 15 S., R. 56 W.
A. E. Smith



Elev. 5079.19
H & G. 50' Lt. Sta. 1765+00

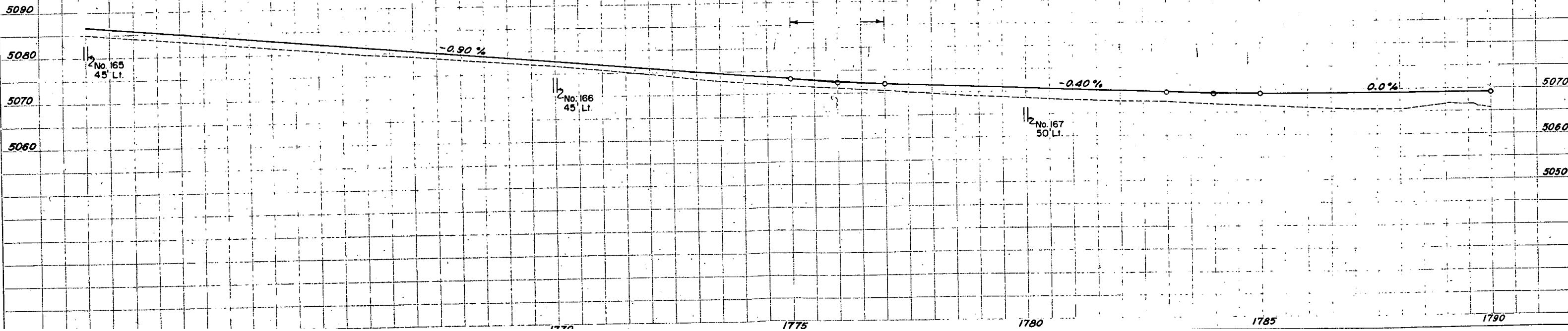
SE. 1/4 Sec. 6, T. 15 S., R. 56 W.

Elev. 5069.67
H & G. 52' Lt. Sta. 1775+00

Elev. 5064.64
H & G. 52' Lt. Sta. 1785+00

Test No. 166 A-7-6(8)
L.L. 42.4
P.I. 22.1
% -200 53
C.B.R. 3.0

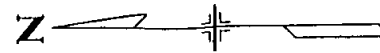
Test No. 167 A-6 (9)
L.L. 38.4
P.I. 20.6
% -200 58



PLAN	DATE
22356	

PROFILE	DATE
22355	

N.W. 1/4 Sec. 8, T.15S, R.56W.



Grazing

REVISIONS			

PROJECT NO.	50023 (9)	SHEET NO.	14	TOTAL SHEETS	14
DATE					

RIGHT OF WAY
PUNKIN CENTER-SOUTH

S.W. 1/4 Sec. 8, T.15S, R.56W.

⑦ W. 1/2 of Sec. 8
T.15 S., R.56 W.
Albert E. Smith

⑧ N. 1/2 of Sec. 7
T.15 S., R.56 W.
Albert E. Smith

TE-6 S. 1/2 of Sec. 7
T.15 S., R.56 W.
Walter I. Woods

Grazing

Elev. 5050.68
H & G 50' Lt. Sta 1810+00

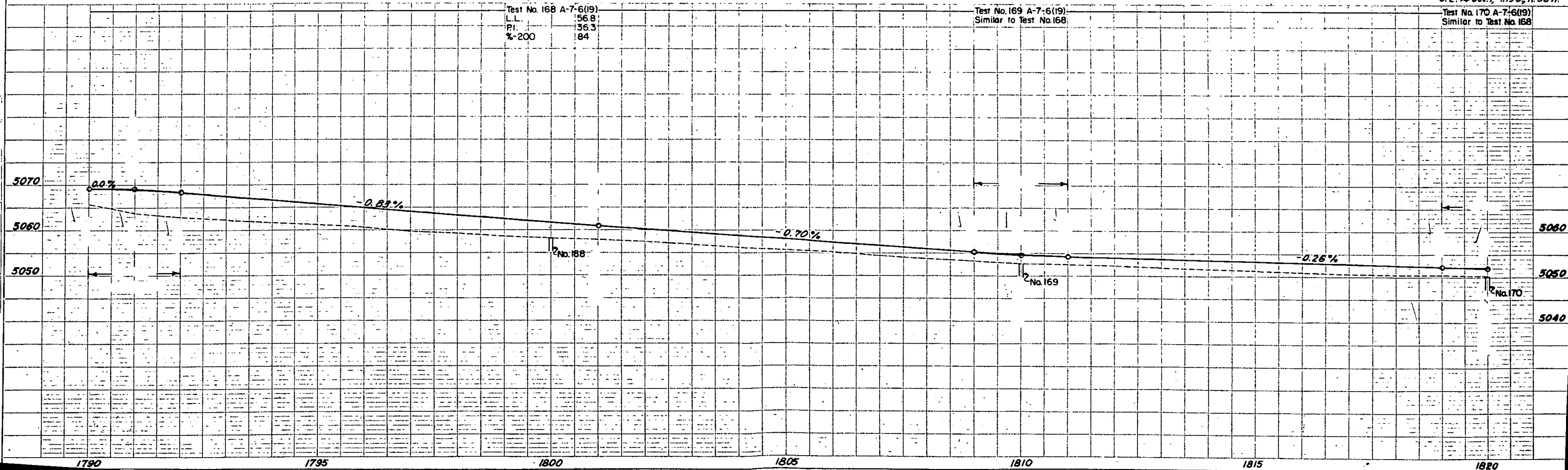
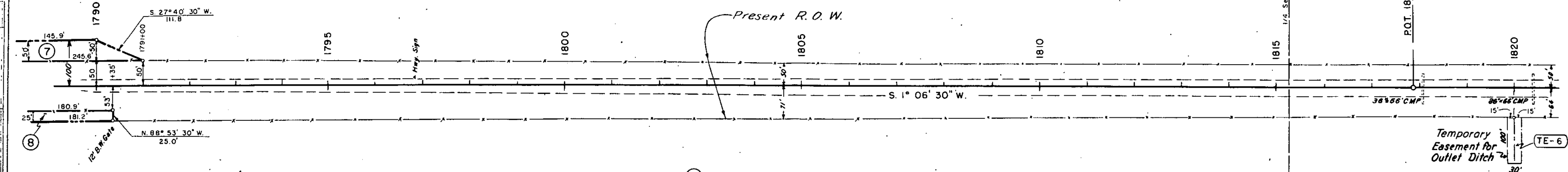
Elev. 5047.47
H & G 50' Lt. Sta 1820+00

Elev. 5055.38
H & G 50' Lt. Sta 1800+00
N.E. 1/4 Sec. 7, T.15S., R.56W.

Test No. 168 A-7-6(19)
LL 56.8
PI 56.3
% 200 84

Test No. 169 A-7-6(19)
Similar to Test No. 168

Test No. 170 A-7-6(19)
Similar to Test No. 168



— N.W. ¼ Sec. 17, T. 15S., R. 56W.

FED. ROAD REG. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	50023(9)	15	

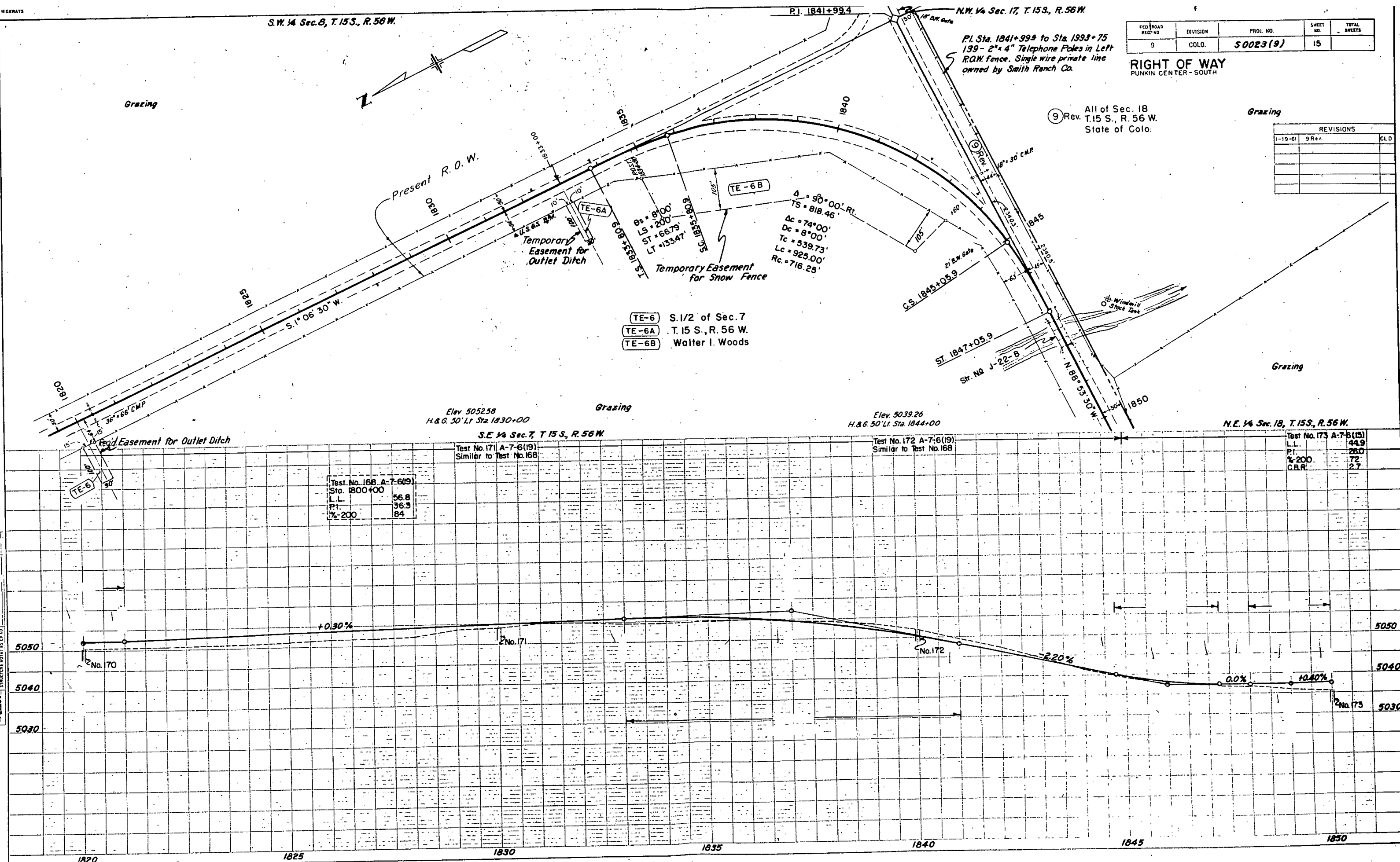
RIGHT OF WAY
PUNKIN CENTER - SOUTH

9 Rev. All of Sec. 18
T.15 S., R. 56 W.
State of Colo:

REVISIONS		
1-19-61	9 Rev.	CL

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
22354	ALIGNMENT CHECKED		
22357	PT. OF WAY CHECKED		

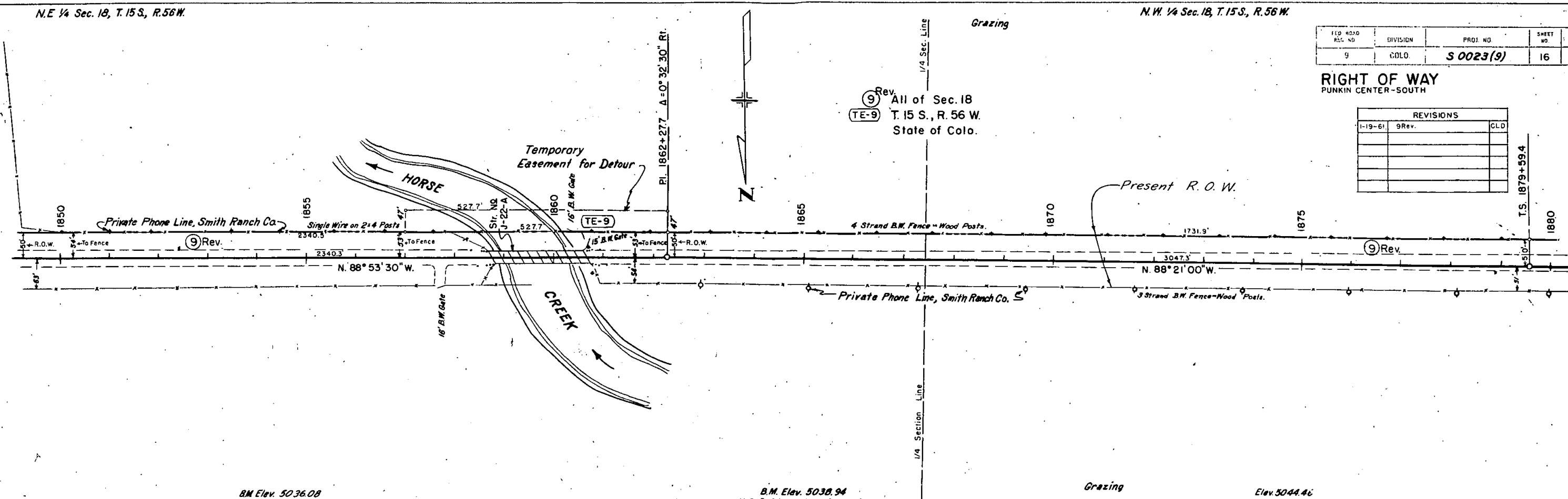
PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
22335	GRADES CHECKED	
	B.W.I. - 4010	



FED WORK REQ NO	DIVISION	PROJ. NO	SHEET NO	TOTAL SHEETS
9	COLO.	S 0023(9)	16	

RIGHT OF WAY
PUNKIN CENTER-SOUTH

REVISIONS		
1-19-61	9 Rev.	Cl



S.E. 1/4 Sec. 7, T. 15 S., R. 56 W.

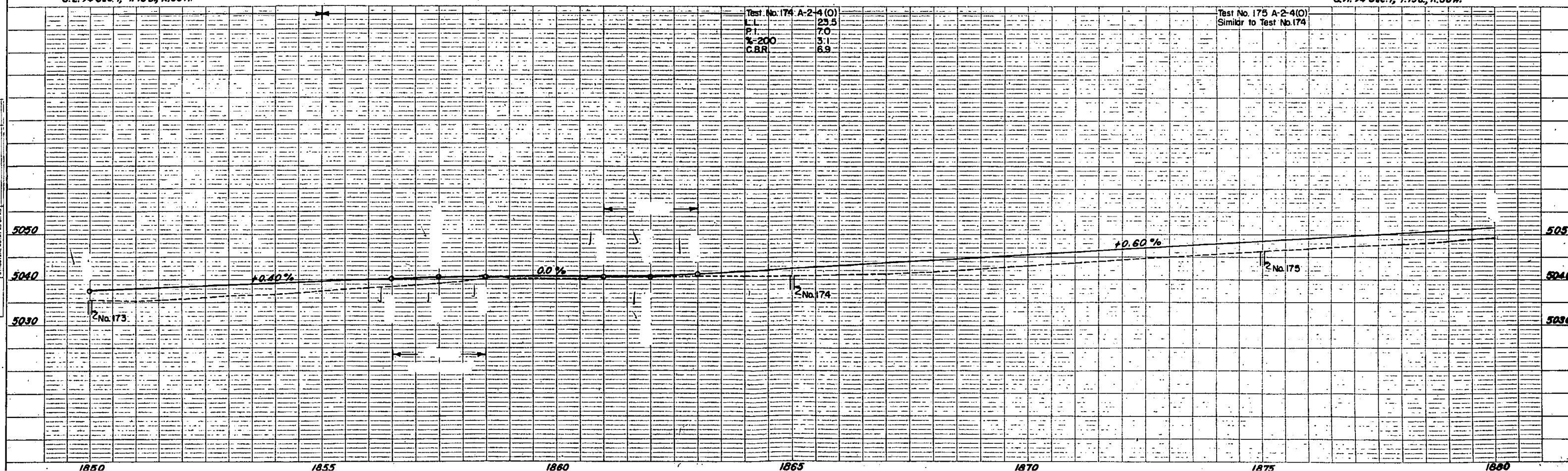
BM Elev. 5036.08
H.B.G. 50' Lt Sta. 1855+00

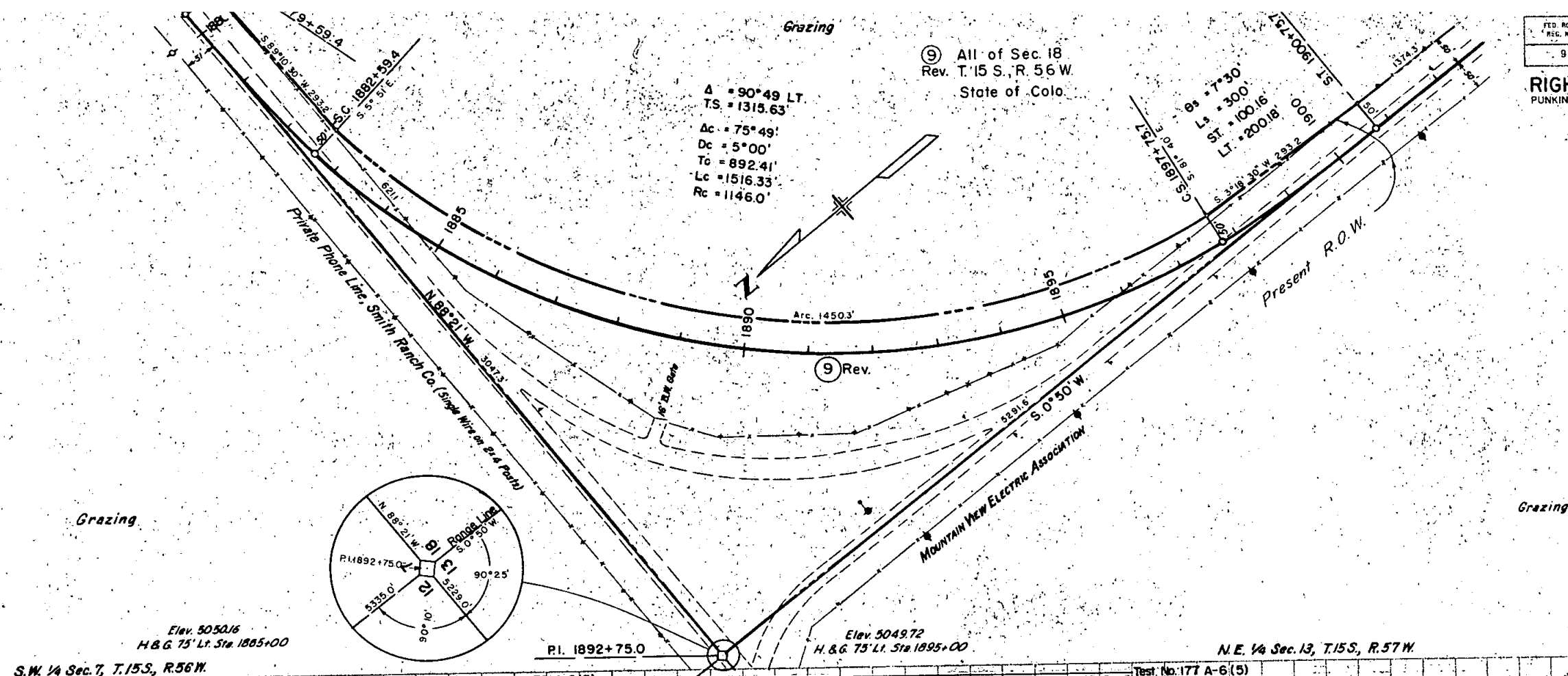
B.M. Elev. 5038.94
H. & G. 50' Lt. Sta. 1865+00

Grazing

Elev. 5044.46
H. & G. 52' Lt. Sta. 1875+00

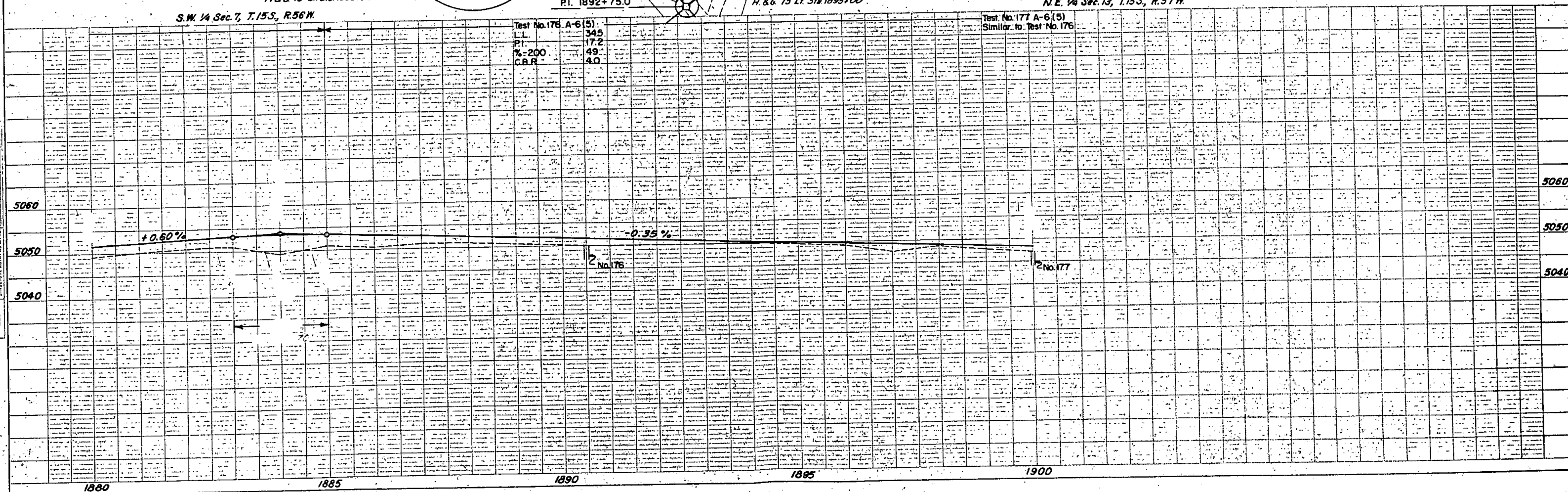
S.W. 14 Sec. 7, T.15S., R.56W.





FED. ROAD REG. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	50023 (9)	17	

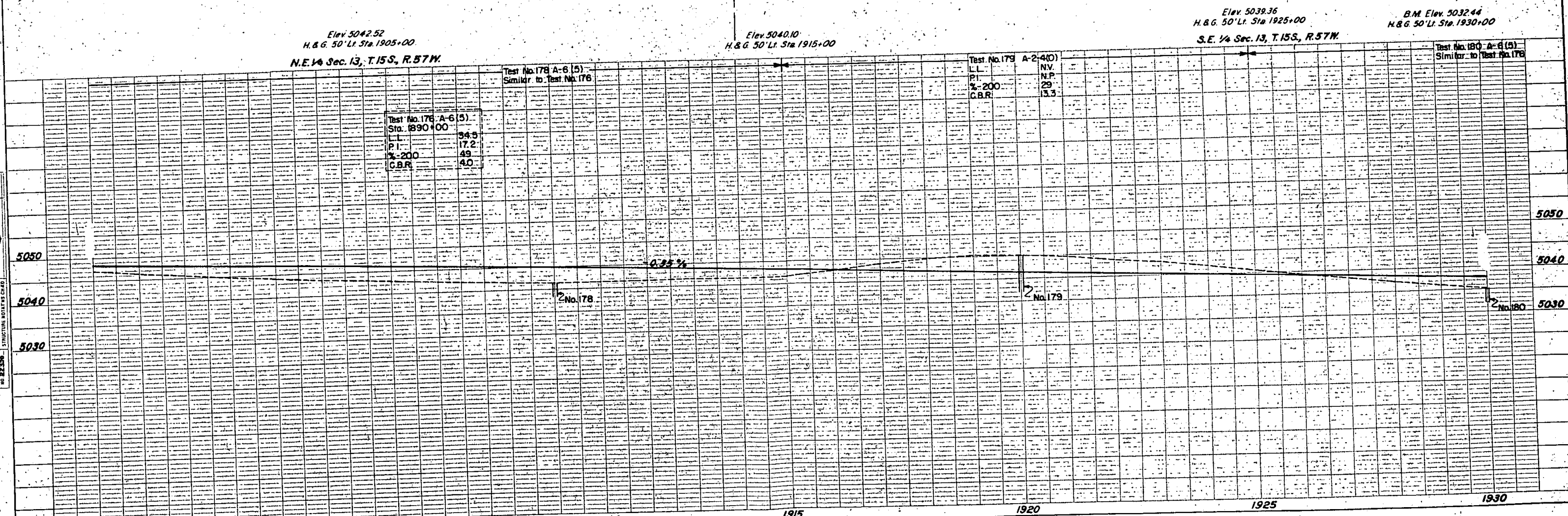
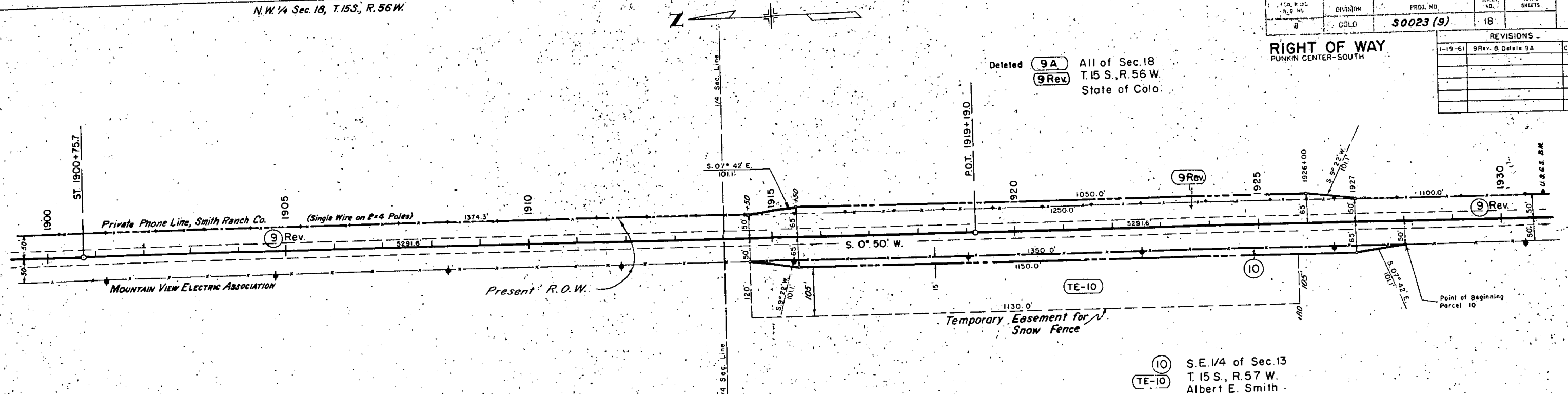
RIGHT OF WAY		REVISIONS	
PUNKIN CENTER-SOUTH		19-61	9 Rev.



PLAN NO. N.C. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
8	C&O	50023 (9)	18	

RIGHT OF WAY	
PUNKIN CENTER-SOUTH	

REVISIONS -	
1-19-61	9Rev. & Delete 9A



SW 1/4 Sec. 18, T. 15S., R. 56W.

NW ¼ Sec. 19, T.15S., R.56W.

Grazing

Grazing

FED ROAD REG NO	DIVISION	PROJ. NO	SHEET NO	TOTAL SHEETS
9	COLO.	50023(9)	19	

RIGHT OF WAY

[illegible]

Deleted (11) ^{Rev} All of Sec. 18 & 19
T. 15 S., R. 56 W.
State of Colo.
(TE-9A)

9 Rev.

Deleted
(13)

TE-9A

Private Phone Line
Smith Ranch Co.
(Single Wire on 2x4 Poles)

MOUNTAIN VIEW ELECTRIC ASSOCIATION

12 Rev S.E. 1/4 of Sec. 13 & E 1/2 Sec. 24
T. 15 S., R. 57 W.

TE-12 Rev

TE-14A

Deleted (14)
Deleted (TE-14)

S.E. $\frac{1}{4}$ Sec. 13, T.15S., R.57W. Elev. 5031.30
H. & G. 50' Lt. Sta. 1935+00

Elev. 5032.28
H. & G. 50' Lt. Sta. 1940+00

Grazing
Elev. 5031.99
H. & G. 50' Lt. Sta. 1945+00
Test No. 181 A-2-4(O)
Similar to Test No. 179

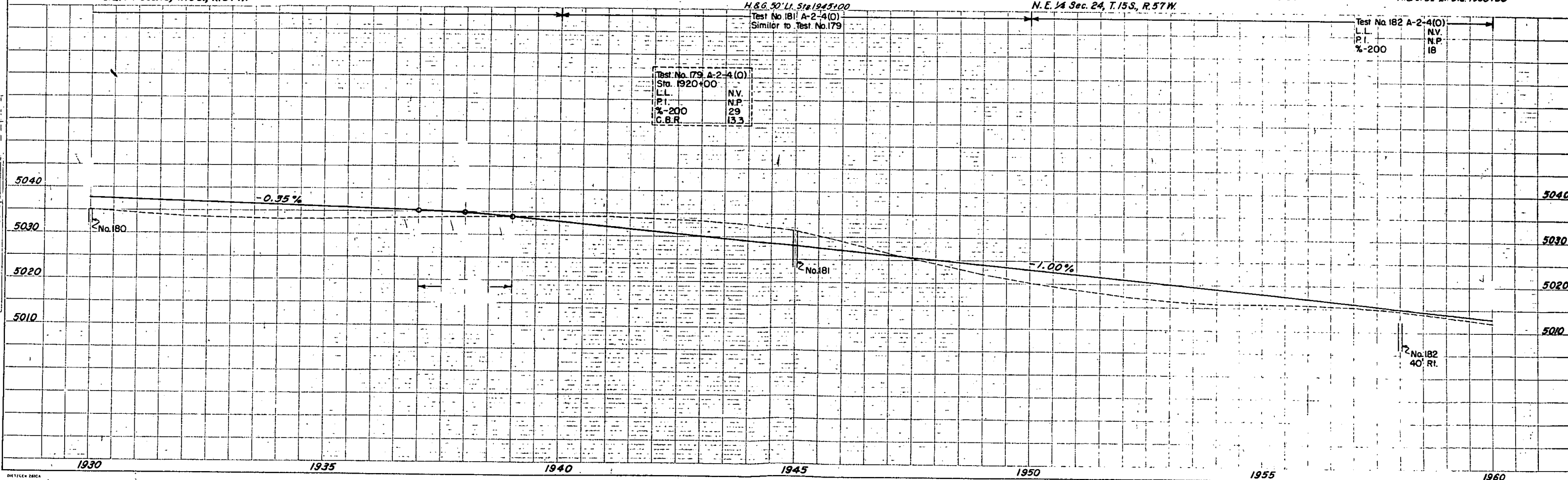
B.M. Elev. 5020.97
H. & G. 52' Lt. Sta. 1950+00

B.M. Elev. 5015.28
H. & G. 50' Lt. Sta. 1955+00

B.M. Elev. 5011.85
H.B.G. 52' Lt. Sta. 1960+00

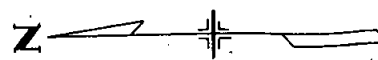
Test No 182 A-2-4(O)	
L.L.	N.V.
P.I.	N.P.
%-200	18

Test No. 179 A-2-4 (O)	
Sta. 1920+00	
L.L.	N.V.
P.I.	N.P.
%-200	29
C.B.R.	133



N.W. 1/4 Sec. 19, T.15S., R. 56W.

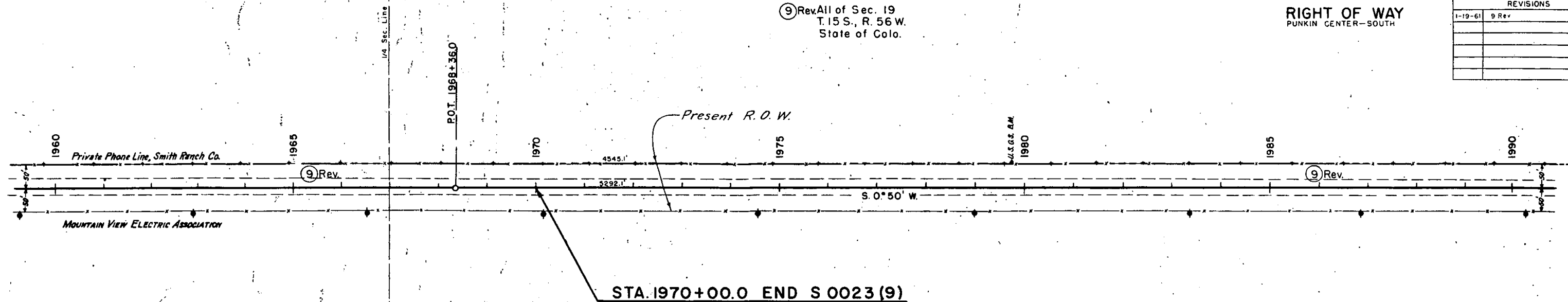
S.W. 1/4 Sec. 19, T.15S., R. 56W.



Grazing

150' Scale	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
5	COLO.	S 0023 (9)	20	
RIGHT OF WAY				
PUNKIN CENTER-SOUTH				
REVISIONS				
1-19-61	9 Rev			CLD

PLAN	DATE
SURVEYED	
NOTE BOOK	
ALICUTS CHECKED	
RT. OF WAY CHECKED	
NO. 22337	



Elev. 5005.89
H. & G. 50' Lt. Sta. 1965+00

Elev. 5004.99
H. & G. 50' Lt. Sta. 1970+00

Elev. 5002.39
H. & G. 50' Lt. Sta. 1975+00

Elev. 4995.93
H. & G. 50' Lt. Sta. 1985+00

B.M. Elev. 4992.39
H. & G. 50' Lt. Sta. 1990+00

N.E. 1/4 Sec. 24, T.15S., R. 57W.

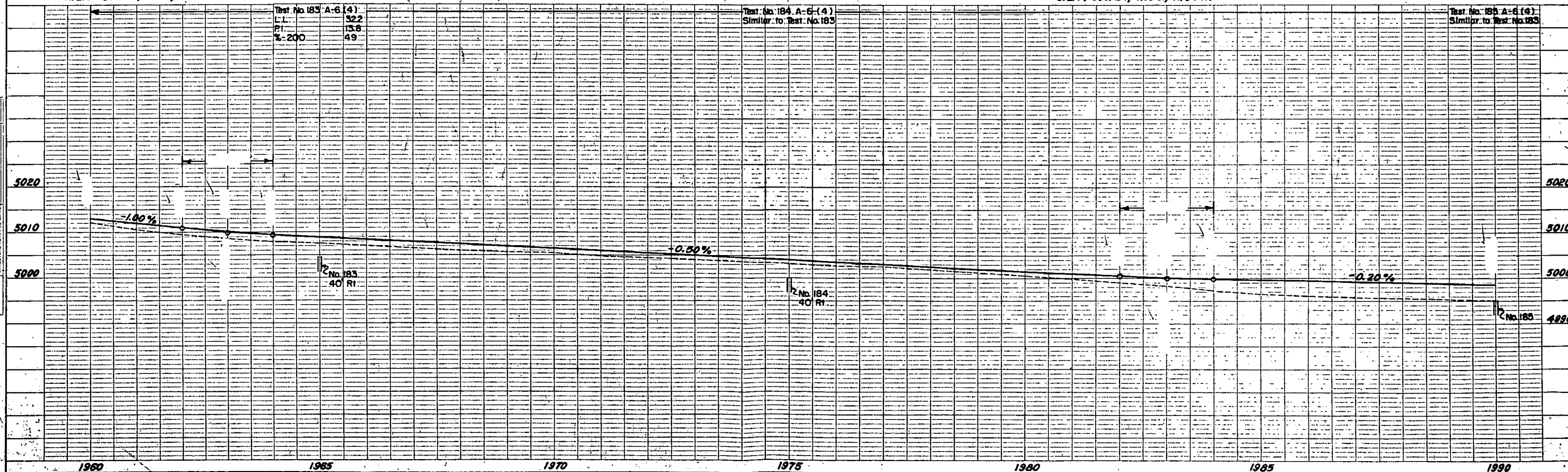
S.E. 1/4 Sec. 24, T.15S., R. 57W.

Test No. 183 A-6 (4)
L.L. 322
P.L. 13.6
% -200 49

Test No. 184 A-6 (4)
Similar to Test No. 183

Test No. 185 A-6 (4)
Similar to Test No. 183

PROFILE	DATE
SURVEYED	
NOTE BOOK	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO. 22336	



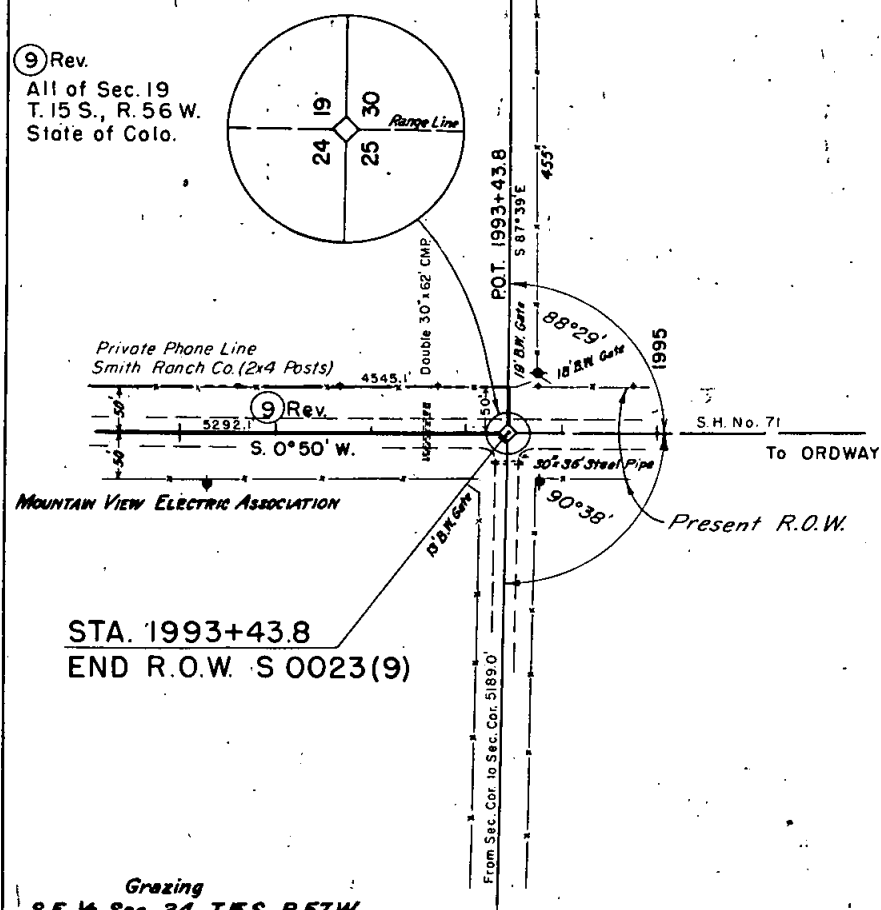
S.W. 1/4 Sec. 19, T. 15S., R. 56W.
Grazing

N.W. 1/4 Sec. 30, T.15 S., R.56 W.

FIG. NO. REV. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0023 (9)	21	

RIGHT OF WAY
PUNKIN CENTER-SOUTH

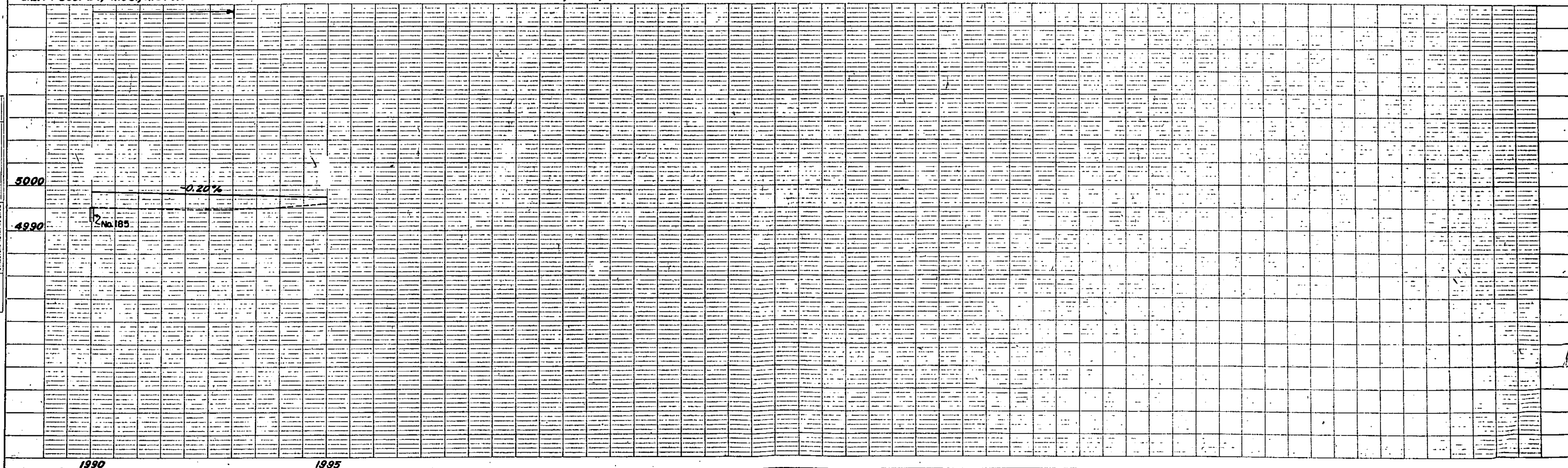
REVISIONS		
1-19-61	9 Rev. & End R.O.W.	CL



STA. 1993+43.8
END R.O.W. S 0023(9)

Grazing
S.E. 1/4 Sec. 24, T.15S., R.57W.

N.E. 1/4 Sec. 25, T.15S., R.57W.



1990

1995

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	S 0023 (9)	5	

Rev. 1-13-61 M.R.H. - Fencing

FENCING REQUIREMENTS

STATION TO STATION	SIDE	REMOVE FENCE LIN. FT.	BUILD B.W. FENCE WITH METAL POSTS LIN. FT.	GATES EACH
1487+00 to 1507+00	Rt.	2,000		
1601+50 to 1611+00	"	950		
1788+50 to 1790+35	"	180		
1884+55 to 1895+18	"	1,250		
1915+00 to 1927+00	Rt. & Lt.	2,600		
1938+00 to 1970+00	Rt.	3,200		
1485+00 to 1509+00	Lt.	2,400		
1545+00 to 1550+75	"	575		
1767+00 to 1791+00	"	2,400		
1857+00 to 1862+28	"	528		
1880+00 to 1884+40	"	440		
1895+90 to 1900+75	"	475		
1938+00 to 1948+00	"	1,000		
1487+00 to 1507+00	Rt.		2,000	
1525+02 to 1540+38	"		1,536	
1601+50 to 1611+00	"		950	
1788+55 to 1790+35	"		180	
1915+00 to 1928+00	Rt. & Lt.		2,600	
1938+00 to 1970+00	Rt.		3,200	
1485+00 to 1509+00	Lt.		2,400	
1545+00 to 1550+75	"		575	
1767+00 to 1791+00	"		2,400	
1880+00 to 1900+75	"		2,075	
1928+00 to 1938+00	"		1,000	
1490+80	Rt.			1
1788+50	Lt.			1
1790+35	Rt.			1
1889+00	Lt.			1
1940+32	Rt.			1
1940+38	Lt.			1
TOTALS		17,998	18,916	6

TIMBER GUARD POSTS

STATION	SIDE	SPACING	NO.
1477+00	Rt. & Lt.	Culvert	2
1496+00	" " "	"	2
1510+00	" " "	"	2
1536+00	" " "	"	2
1576+00	" " "	"	2
1640+00	" " "	"	2
1650+00	" " "	"	2
1655+00	" " "	"	2
1709+00	" " "	"	2
1800+00	" " "	"	2
1820+00	" " "	"	2
1830+25 to 1839+56	Lt.	8° Curve	13
1844+64 to 1846+30	Lt.	50'	6
1847+	Rt. & Lt.	Bridge	24
1859+	" " "	"	24
1877+02 to 1888+98	Rt.	5° Curve	17
1887+00	Lt.	Culvert	1
1910+00	Rt. & Lt.	"	2
TOTAL			109

R.O.W. MARKERS

STATION	SIDE	NO.
1488+00	Rt. & Lt.	2
1506+00	" " "	2
1546+00	Lt.	1
1602+50	Rt.	1
1610+00	Rt.	1
1769+00	Lt.	1
1790+00	Rt. & Lt.	2
1882+594	Lt.	1
1897+75.7	"	1
1939+00	Rt.	1
1947+00	Lt.	1
1915+50	"	1
1927+00	Rt.	1
TOTAL		16

SNOW FENCE

STATION TO STATION	SIDE	LIN. FT.
1484+50 to 1492+31	Rt.	1,100
1497+00 to 1506+23	"	1,300
1600+50 to 1609+73	"	1,300
1835+04 to 1843+23	"	1,000
1915+00 to 1925+65	"	1,500
1938+00 to 1946+52	"	1,200
TOTAL		7,400

SUMMARY OF EARTHWORK QUANTITIES

EXCAVATION		
FROM CROSS SECTIONS		82,423
FROM WIDENED CUTS		4,420
BORROW FROM PITS		46,650
ESTIMATED FOR OVERBREAK & SUBSIDENCE		13,349
LIST OF STRUCTURES AS EXCAVATION		3,202
LIST OF STRUCTURES AS EMBANKMENT		9,341
EST. FOR CUT SLOPE TREATMENT		1,179
TOTALS		160,564 CU. YDS.
EXCAVATION		
FROM CROSS SECTIONS		82,423
FROM WIDENED CUTS		4,420
BORROW FROM PITS		46,650
TOTALS		133,493 CU. YDS.
EMBANKMENT		
FROM CROSS SECTIONS		102,689 CU. YDS.
EMBANKMENT X FACTOR		133,493 CU. YDS.
STATION YARD OVERHAUL		
FROM MASS DIAGRAM		1,006,722
EST. FOR OVERBREAK & SUBSIDENCE		100,672
EST. FOR STRUCTURE BACKFILL		4,202
TOTALS		1,111,596 STA. YDS.
YARD MILE OVERHAUL		
FROM MASS DIAGRAM		88,849
EST. FOR OVERBREAK & SUBSIDENCE		8,885
EST. FOR STRUCTURE BACKFILL		331
TOTALS		98,065 YD. MI.
COMPACTION		
EXCAVATION FROM EARTHWORK SUMMARY		160,564
BASE OF CUTS AND FILLS		84,965
TOTALS		245,529 CU. YDS.