

COLORADO
STATE HIGHWAY DEPARTMENT
PLAN AND PROFILE OF PROPOSED
STATE PROJECT NO. SP 26-51-501
STATE HIGHWAY NO. 51
KIT CARSON COUNTY

FED ROAD DIV NO	DISTRICT	PROJ NO	SHEET NO	TOTAL SHEETS
9	COLO	SP 26-51-501	1	

INDEX OF SHEETS

- SHEET NO 1 SKETCH MAP AND TITLE PAGE & TABULATION OF LENGTH & DESIGN DATA
2 TYPICAL SECTIONS, GENERAL NOTES AND SURFACING PLAN
3 SUMMARY OF APPROXIMATE QUANTITIES, BALLAST PLAN & TIMBER GUARD POSTS
4 LIST OF STRUCTURES
5 SKETCH MAP OF PIT LOCATION
6 DETAILS OF BRIDGE STA 702+ & CONCRETE SLOPE AND DITCH PAVING
7 DETAILS OF BRIDGE STA 865+
8 STANDARD LETTERS & FIGURES FOR YEAR NUMBERS & STRUCTURE NUMBERS
9 STANDARD MARKER POSTS
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11 STANDARD SIDE APPROACH ROADS, FLARING, CUT SLOPE TREATMENT & WIDENING AT BRIDGES & AT CREST OF GRADES
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47 SUMMARY OF EARTHWORK QUANTITIES

M-10-B
M-7-B
M-19-C

M-2-DM
M-2-DS
M-107-C

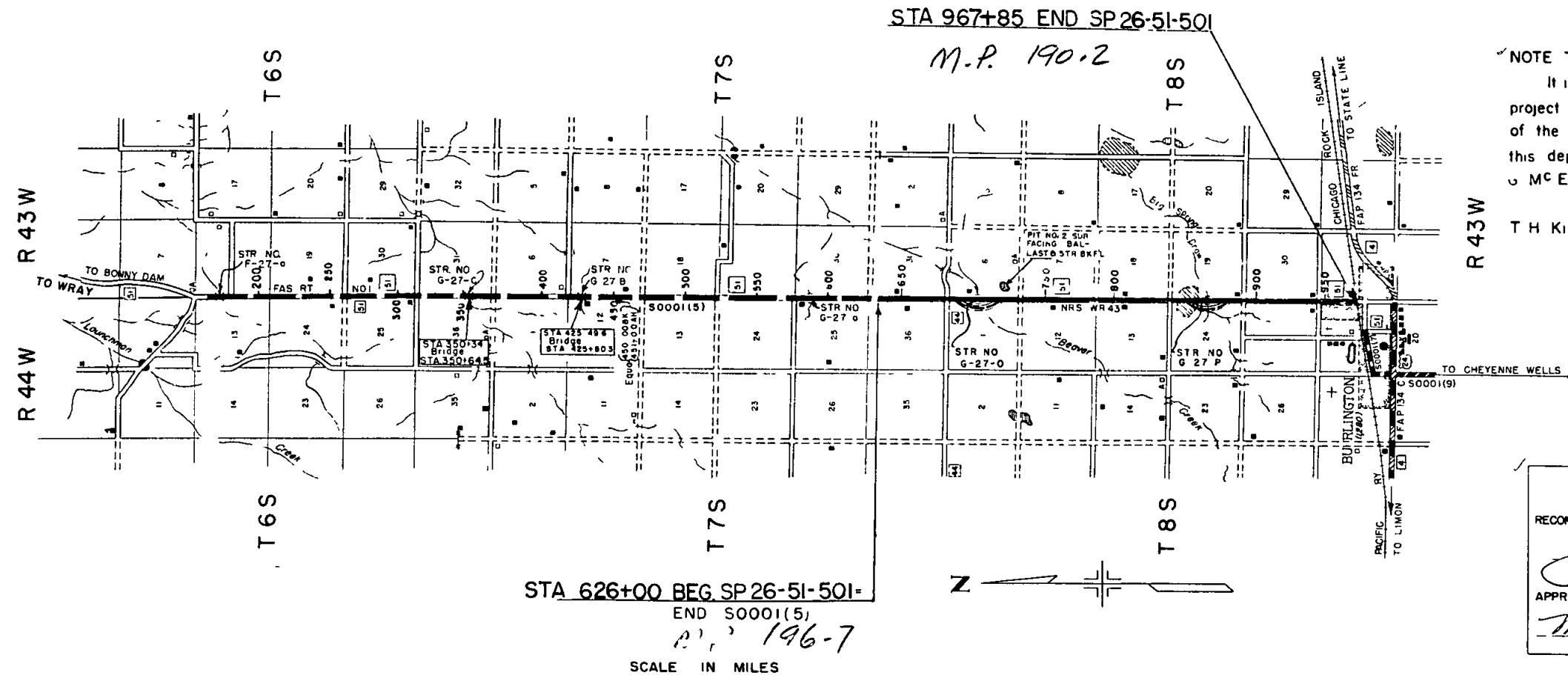
SCALES ON ORIGINAL TRACINGS
ON PLAN 1 IN 100 FT
ON PROFILE 1 IN 100 FT HORIZONTAL
1 IN 10 FT VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT } 34,185 0 FEET = 6 474 MILES
NET LENGTH OF PROJECT }

CONVENTIONAL SIGNS

CENTER LINE 630
SECTION LINE
RAILROAD
RANGE & T W P LINE
ONE-QUARTER SECT LINE
RIGHT OF WAY LINE
BARBED WIRE FENCE
WOVEN WIRE FENCE
POLE LINE TELEPHONE TELEGRAPH POWER
PRESENT ROAD
DETOUR
CITY LIMIT

TABULATION OF LENGTH & DESIGN DATA

STATION	ROADWAY	BRIDGES	
	LIN FT	LIN FT	LOADING
✓ 626+00 Begin SP 26-51-501 = End S0001(5)	7653 0 16192 5 10191 5 ✓	108 5	✓ H-20
702+53 0 Bridge End Beaver Creek			
703+61 5 Bridge End			
865+54 0 Bridge End Big Spring Draw			
865+93 5 Bridge End			
✓ 967+85 End SP 26 51-501			
TOTALS	34037 0	148 0	✓
SUMMARY		LIN FT	MILES
Roadway		34037 0	6446 ✓
Bridges		148 0	028 ✓
TOTALS Net & Gross		34185 0	6474 ✓
DESIGN DATA			
Maximum Degree of Curve		0°	✓
Maximum Grade		3%	✓
Minimum N P S D (horizontal)		1300'	✓
Minimum N P S D (vertical)		490	✓
Maximum Design Speed		50 MPH	



NOTE TO BIDDERS

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

Mc Eldowney Construction Engineer
Denver, Colo
T H Kilpatrick Project Engineer
Burlington, Colo

HIGHWAY DEPARTMENT STATE OF COLORADO	
RECOMMENDED FOR APPROVAL	
<i>James D. Bell</i> ASSISTANT ENGINEER	1-29-52 DATE
APPROVED	
<i>Walter H. Hutton</i> STATE HIGHWAY ENGINEER	1-25-52 DATE

DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
RECOMMENDED FOR APPROVAL	
DISTRICT ENGINEER	DATE
APPROVED	
DIVISION ENGINEER	DATE

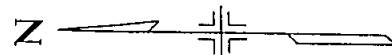
NOTE

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

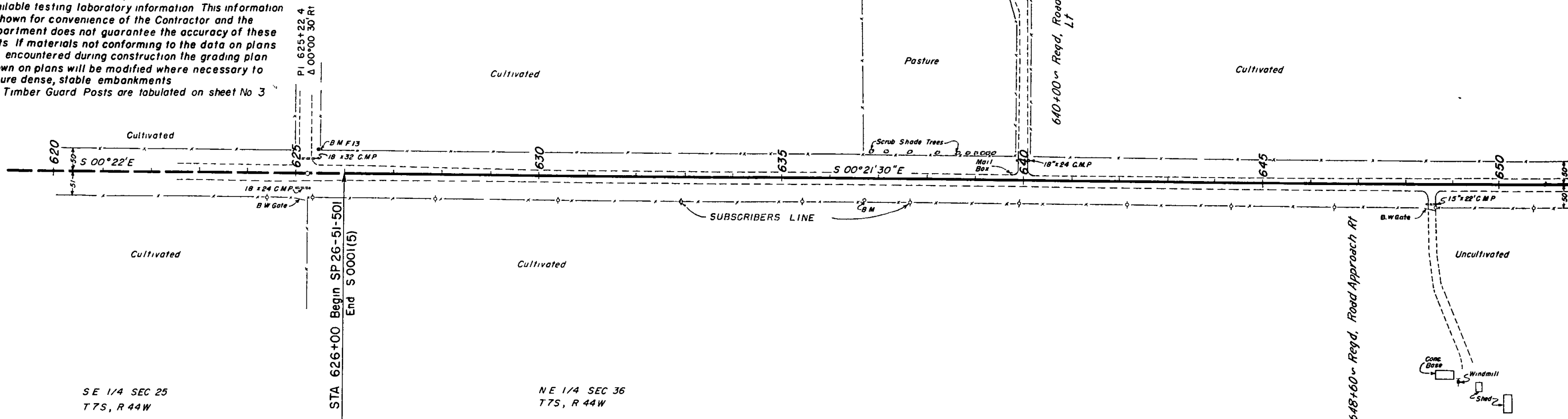
Timber Guard Posts are tabulated on sheet No 3

SW 1/4 SEC 30 T7S R43W



NW 1/4 SEC 31
T7S, R43W

FED ROAD DIV NO	DISTRICT	PROJ NO	SHEET NO	TOTAL SHEETS
9	COLO	SP26-51-501	14	



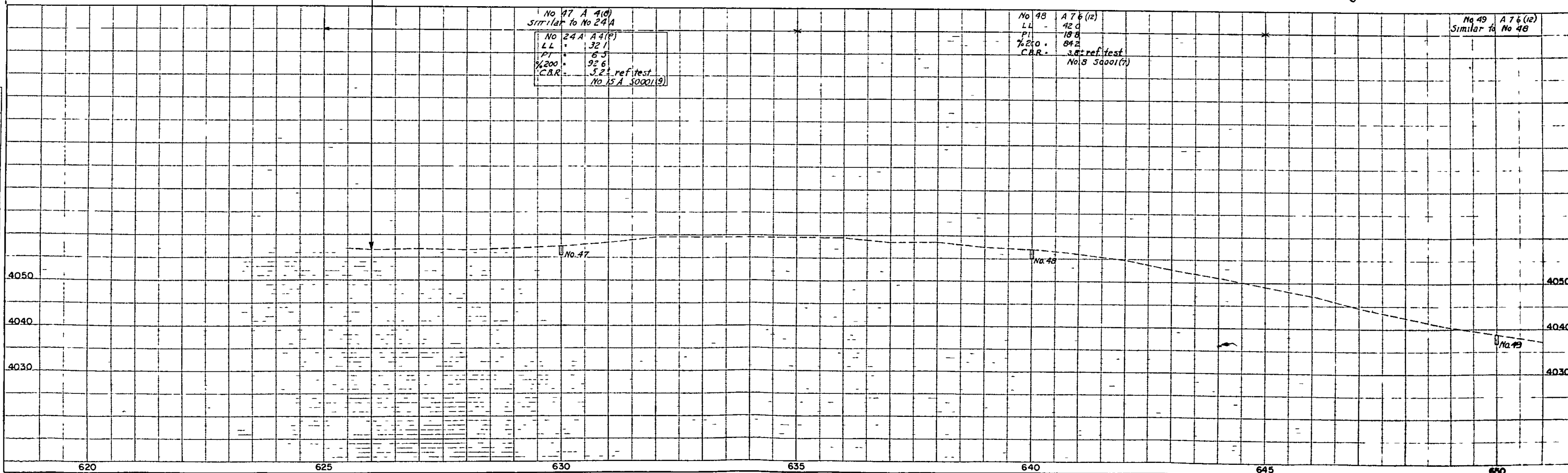
SE 1/4 SEC 25
T7S, R44W

NE 1/4 SEC 36
T7S, R44W

No 47 A 4(10)
Similar to No 24 A
No 24 A A 4(P)
LL 32.1
PI 5.5
%200 92.6
C.B.R. 5.2 ref test
No 15 A 5000(19)

No 48 A 76(12)
LL 42.0
PI 18.8
%200 84.2
C.B.R. 3.8 ref test
No 8 5000(7)

No 49 A 76(12)
Similar to No 48



DATE
BY
PLAN
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO 16213
PT OF WAY CHECKED

DATE
BY
PROFILE
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO 16214
STRUCTURE NOTATION

FED. ROAD DIV. NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO	SP26 51 501	15	

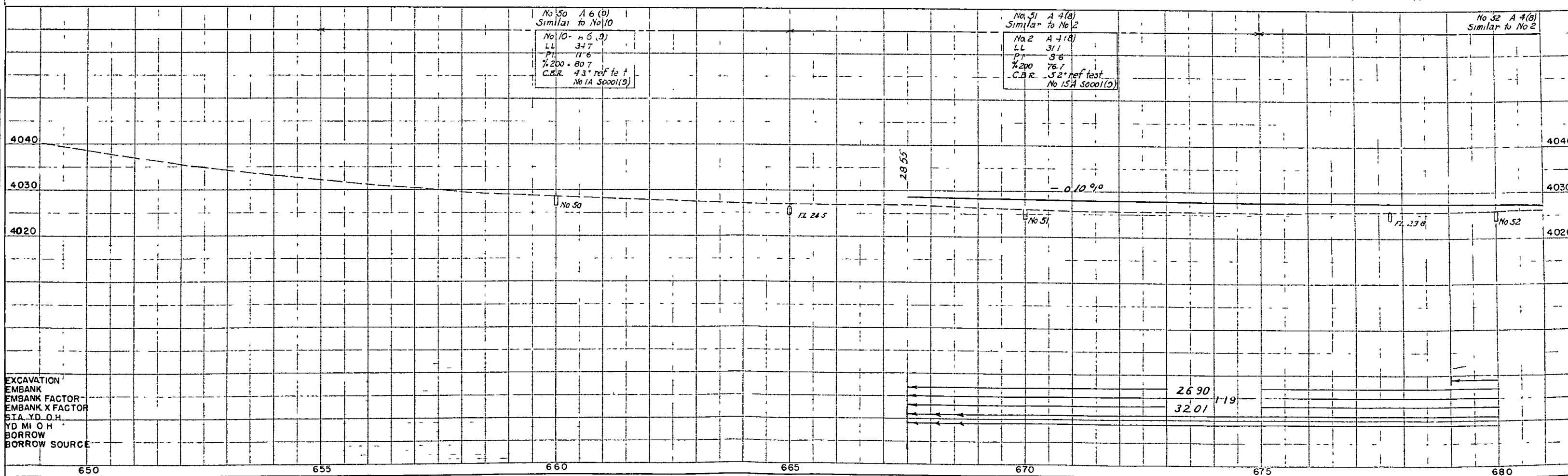
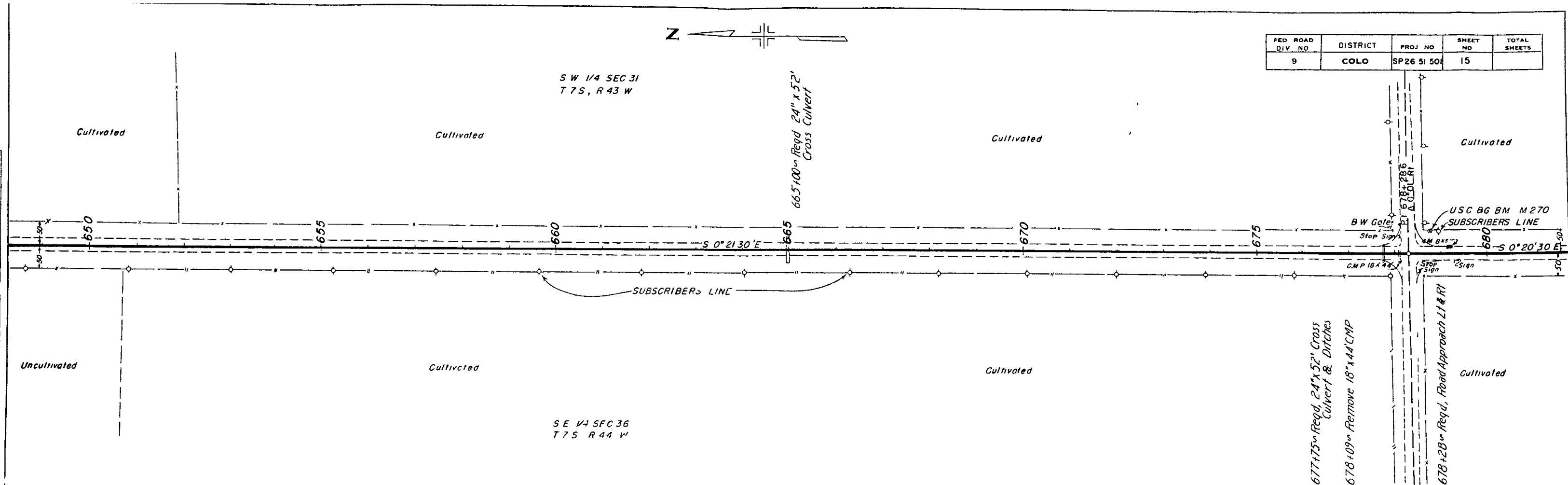
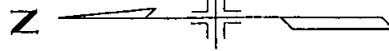


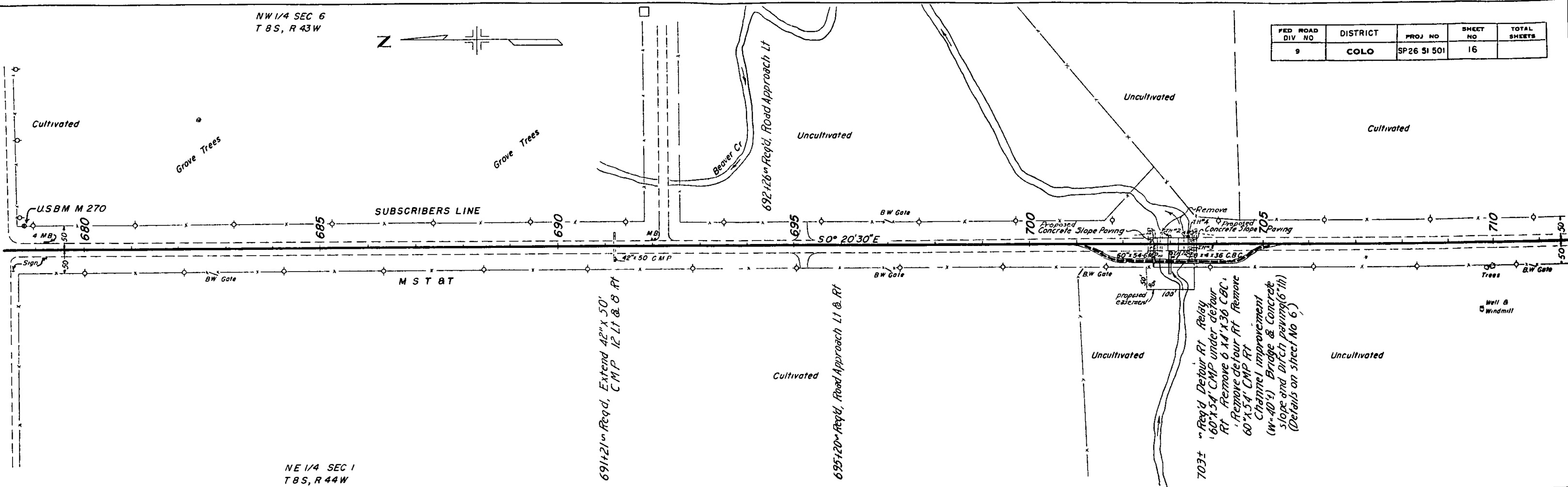
PLATE I PLAN PROFILE B P H AND RD
INCHES FEET CO C & N 1915

IN THE U.S.A.
C. IMPERIAL F. LINE CHIT

NW 1/4 SEC 6
T 8 S, R 43 W



FED. ROAD DIV. NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	SP26 51 501	16	

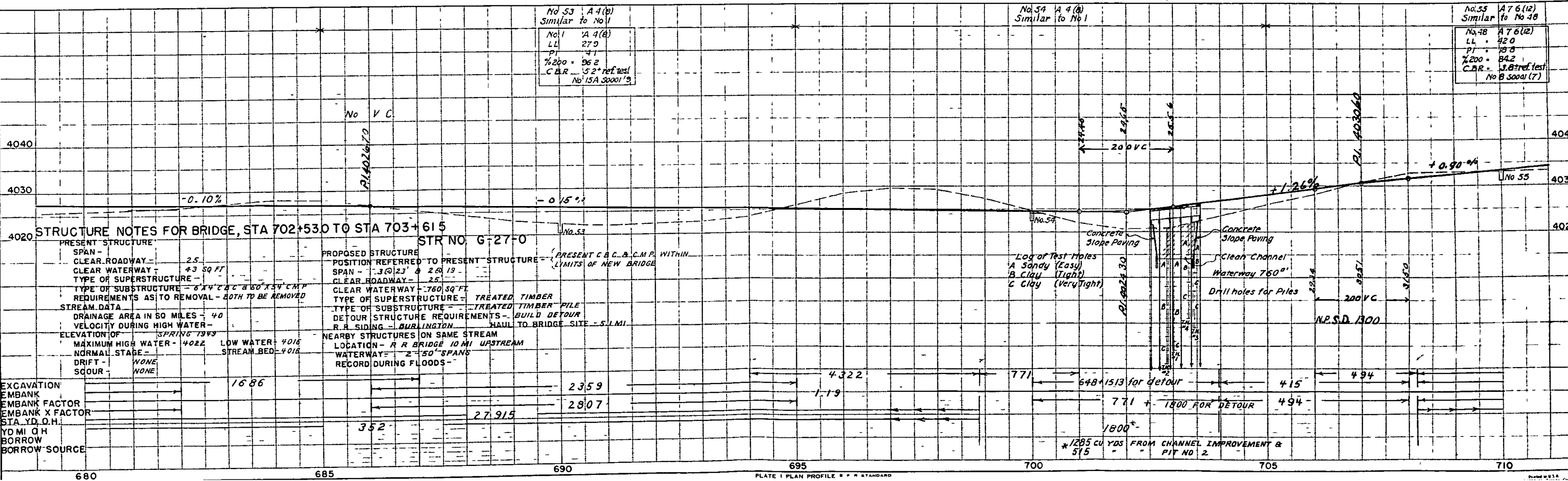


NE 1/4 SEC 1
T 8 S, R 44 W

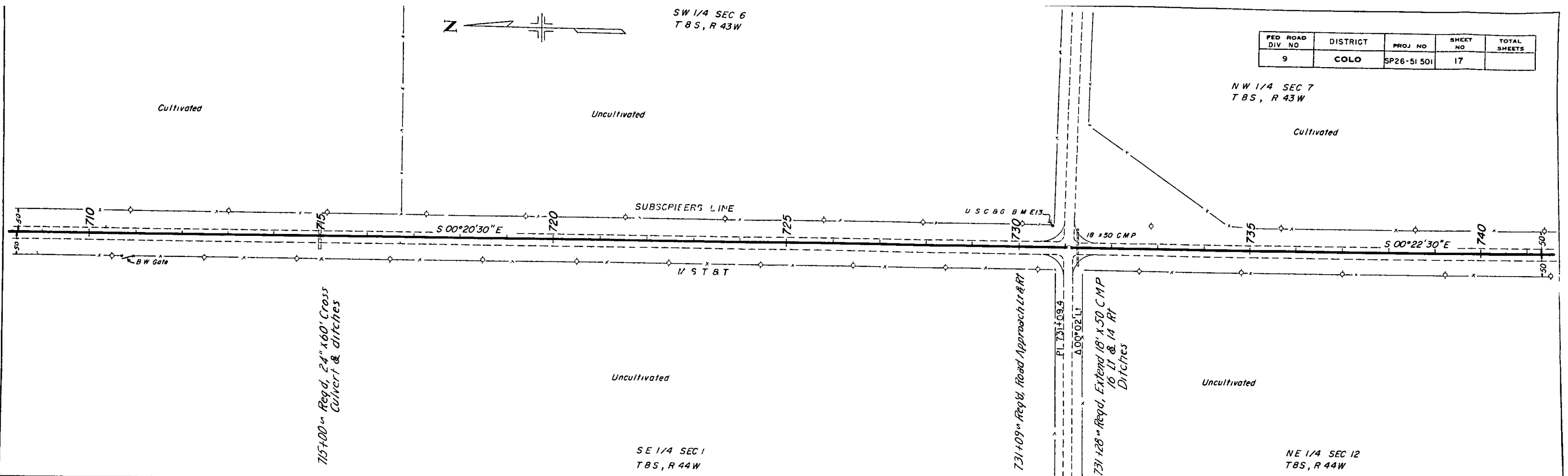
No 53 A 4(b)
Similar to No 1
No 1 A 4(b)
LL 27.9
PI 4.1
%200 = 96.2
C.B.R. 5.2*ref test
No 15A 30001'9

No 54 A 4(b)
Similar to No 1

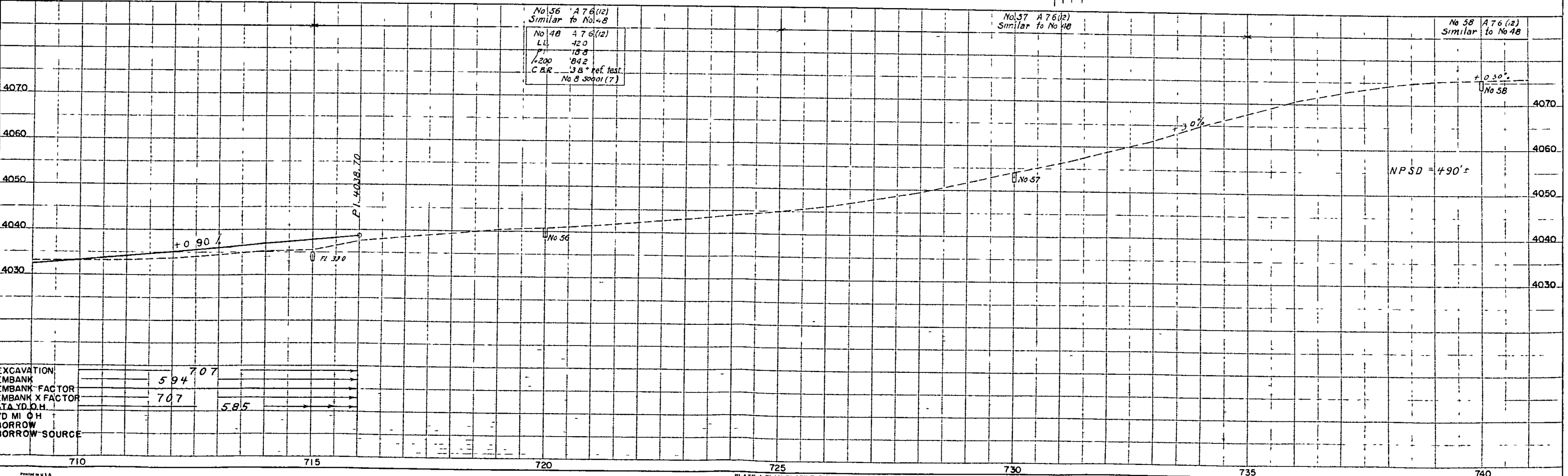
No 55 A 7.6(12)
Similar to No 48
No 48 A 7.6(12)
LL 42.0
PI 10.8
%200 = 84.2
C.B.R. 3.8*ref test
No 8 30001'7

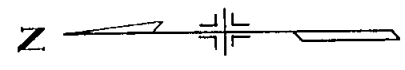


NO. 1 BOOK
NO. 162/1
NO. 162/2
NO. 162/3
NO. 162/4
NO. 162/5
NO. 162/6
NO. 162/7
NO. 162/8
NO. 162/9
NO. 162/10
NO. 162/11
NO. 162/12
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NO. 162/96
NO. 162/97
NO. 162/98
NO. 162/99
NO. 162/100



FED ROAD DIV NO	DISTRICT	PROJ NO	SHEET NO	TOTAL SHEETS
9	COLO	SP26-51 501	17	

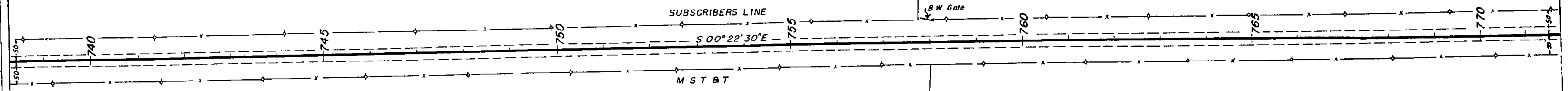




FED. ROAD DIV. NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO	SP26-51 501	18	

NW 1/4 SEC 7
T 8 S, R 43 W

SW 1/4 SEC 7
T 8 S, R 43 W



Wall
Windmill

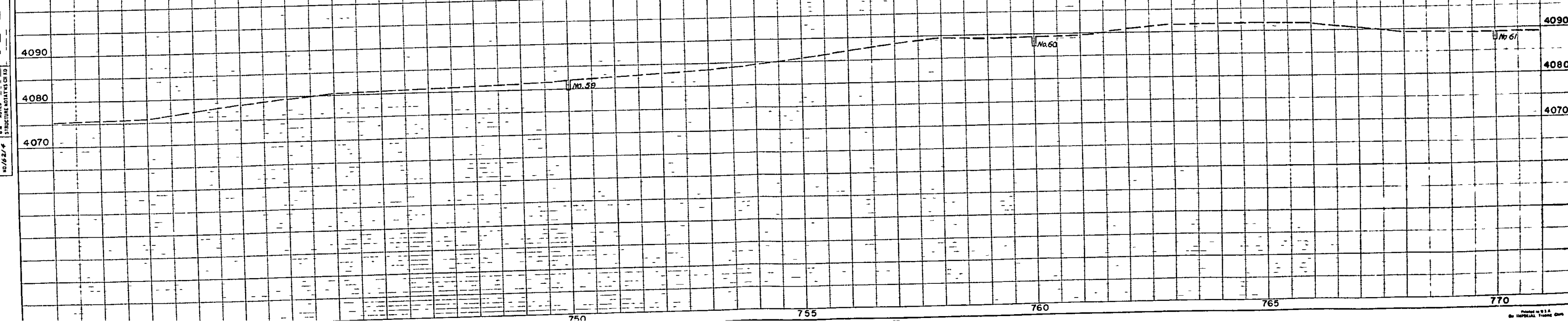
NE 1/4 SEC 12
T 8 S, R 44 W

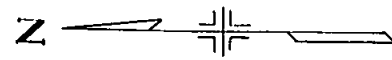
SE 1/4 SEC 12
T 8 S, R 44 W

No. 59 476(12)
Similar to No. 48
No. 48 476(12)
LL 420
PI 188
%200 = 842
C.B.R. = 3.3 ref. test
No. 8 5001(7)

No. 60 46(9)
LL 347
PI 124
%200 = 814
C.B.R. = 4.3 ref. test
No. 5001(9)

No. 61 46(9)
Similar to No. 60





FED. ROAD DIV. NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO	SP26-51 501	19	

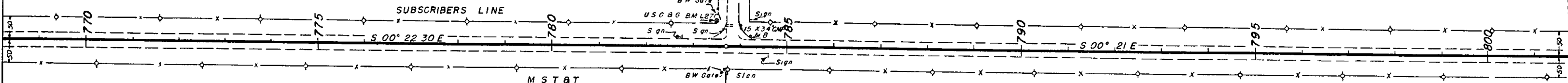
Cultivated

SW 1/4 SEC 7
T 8 S R 43 W

Cultivated

NW 1/4 SEC 18
T 8 S R 43 W

783+80" Reg'd, Road Approach Lt



SE 1/4 SEC 12
T 8 S R 44 W

NE 1/4 SEC 13
T 8 S R 44 W

No 62 A 4 (B)
Similar to No 2
LL 31.1
PI 8.6
%200 76.7
C.B.R. 5.2+ref test
No 15A 5000 (9)

No 63 - A 4 (B)
Similar to No 2

No 64 A 4 (B)
Similar to No 2

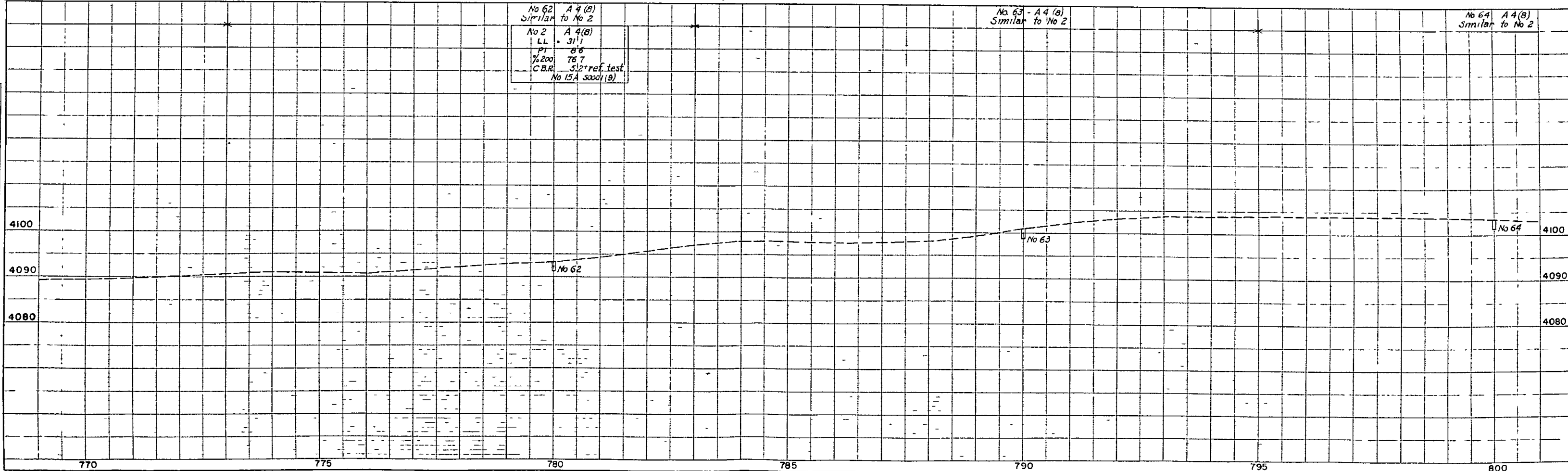
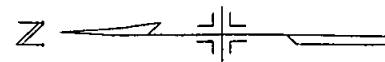
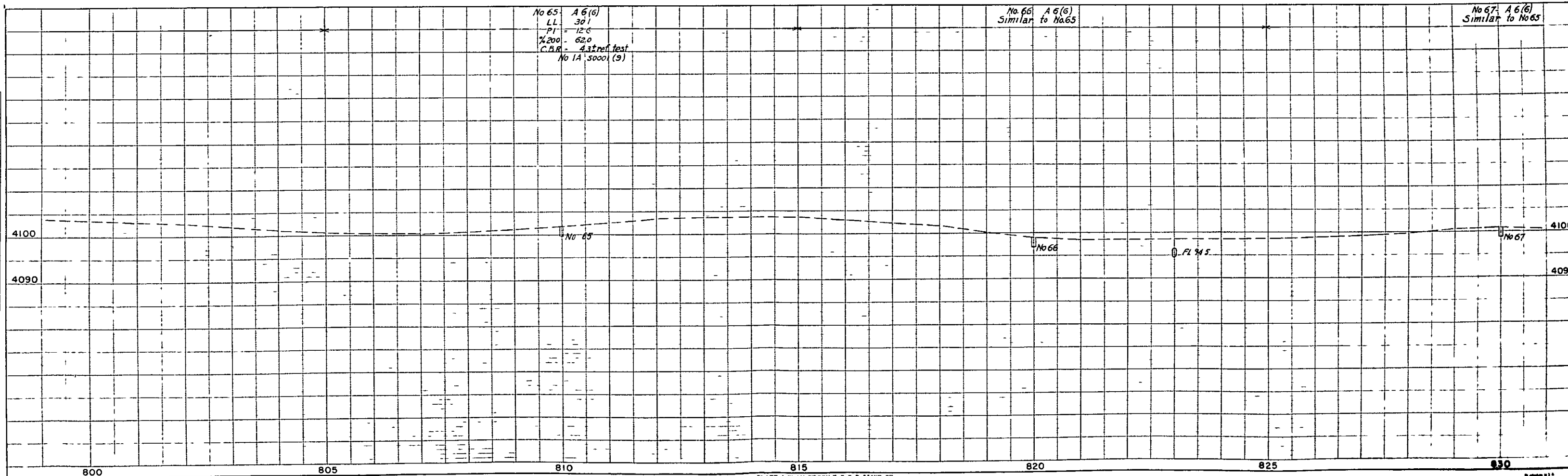
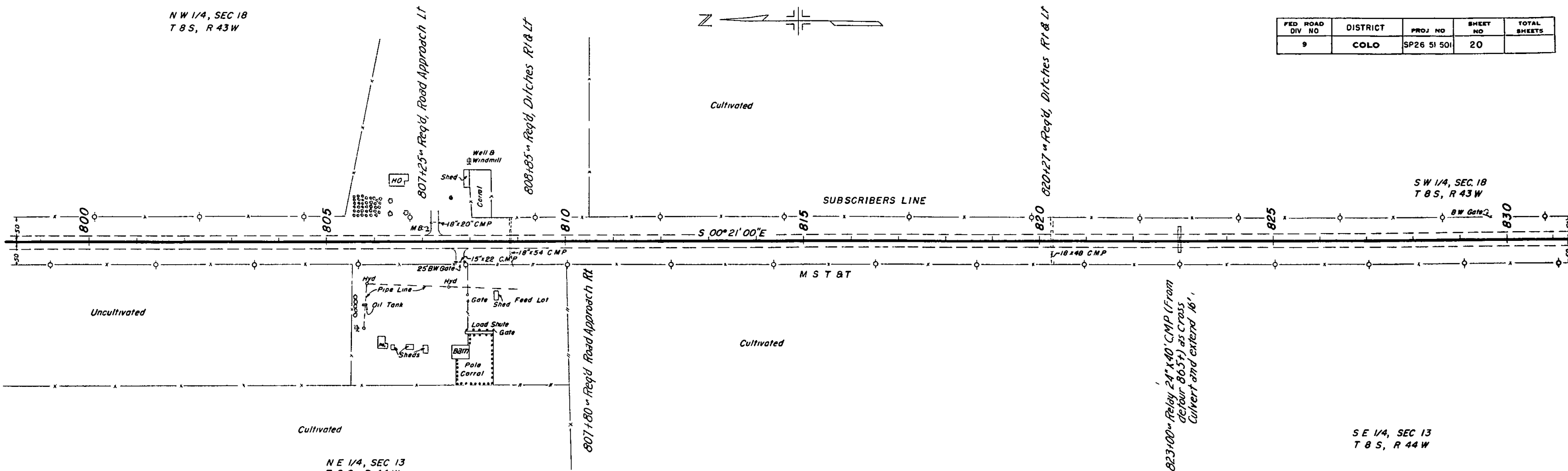


PLATE 1 PLAN PROFILE - P. R. STANDARD

NW 1/4, SEC 18
T 8 S, R 43 W



FED. ROAD DIV. NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	SP26 51 501	20	

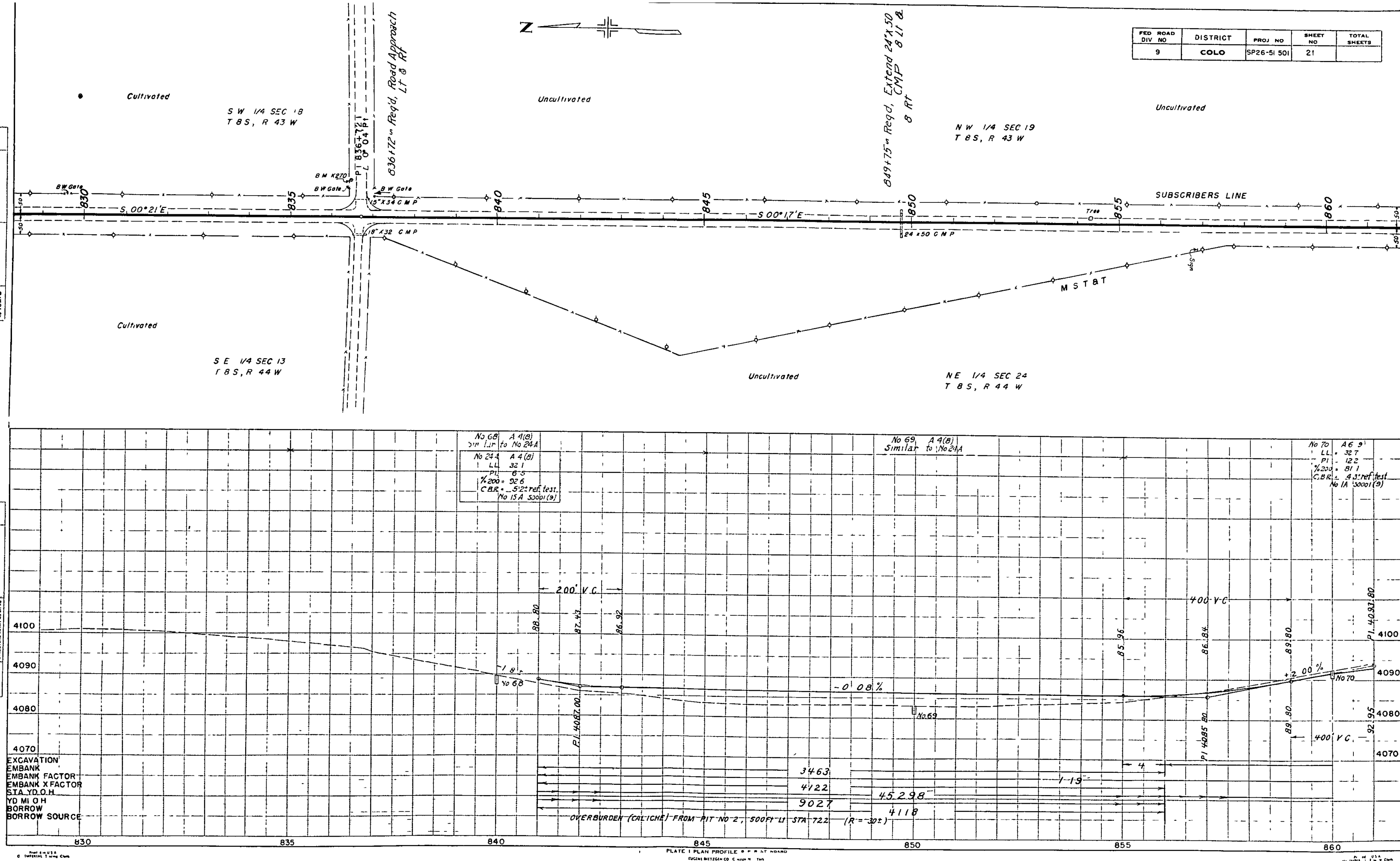


NOTE BOOK
PLOTTED
ALIGNMENT CHECKED
RT OF WAY CHECKED
NO 16213

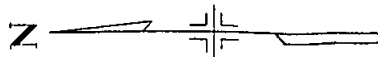
NOTE BOOK
CHANGES CHECKED
STRUCTURE LOCATIONS
NO 16214

EXCAVATION
EMBANK
EMBANK FACTOR
EMBANK X FACTOR
STA YD.O.H.
YD MI O.H.
BORROW
BORROW SOURCE

FED ROAD DIV NO	DISTRICT	PROJ NO	SHEET NO	TOTAL SHEETS
9	COLO	SP26-51 501	21	



NW 1/4 SEC 30
T8S, R 43W



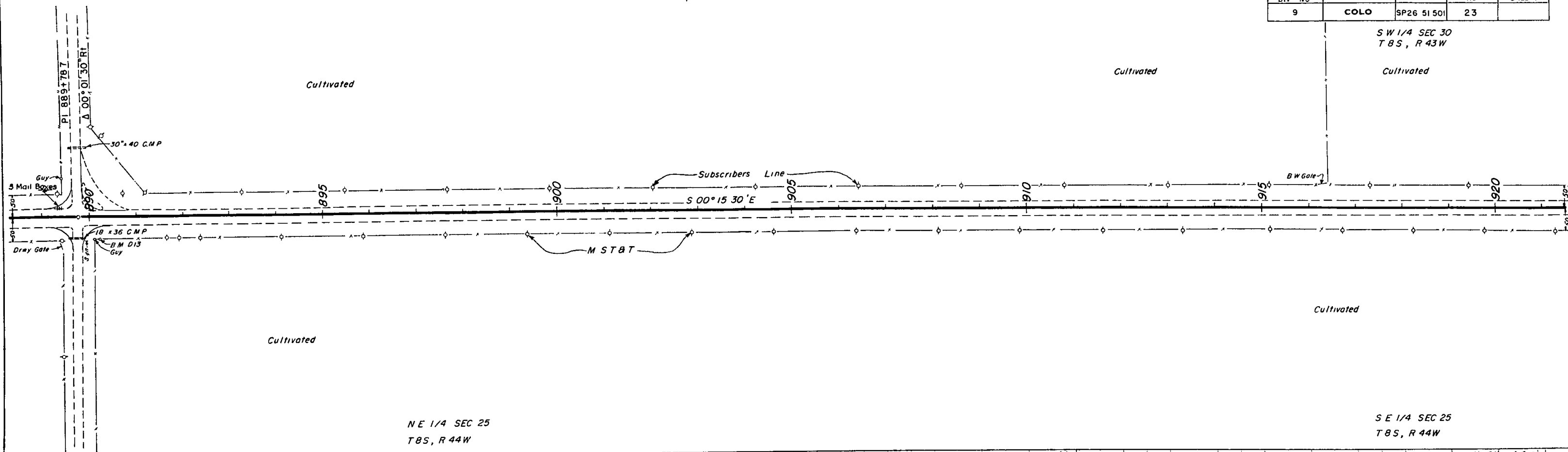
FED ROAD DIV NO	DISTRICT	PROJ NO	SHEET NO	TOTAL SHEETS
9	COLO	SP26 51501	23	

SW 1/4 SEC 30
T8S, R 43W

Cultivated

Cultivated

Cultivated



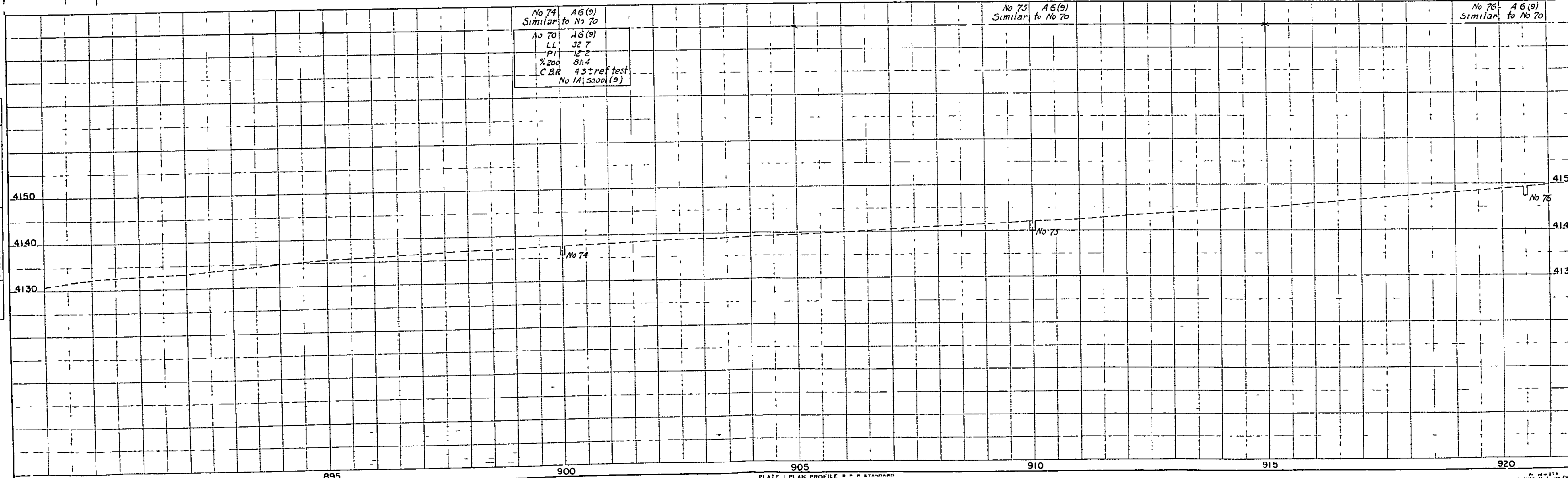
NE 1/4 SEC 25
T8S, R 44W

SE 1/4 SEC 25
T8S, R 44W

No 74 Similar to No 70	AG(9) LL 32.7 PI 12.2 %200 81.4 C.B.R. 43.1 ref test No 1A1 5000(9)
---------------------------	--

No 75
Similar to No 70

No 76
Similar to No 70



895

900

905

910

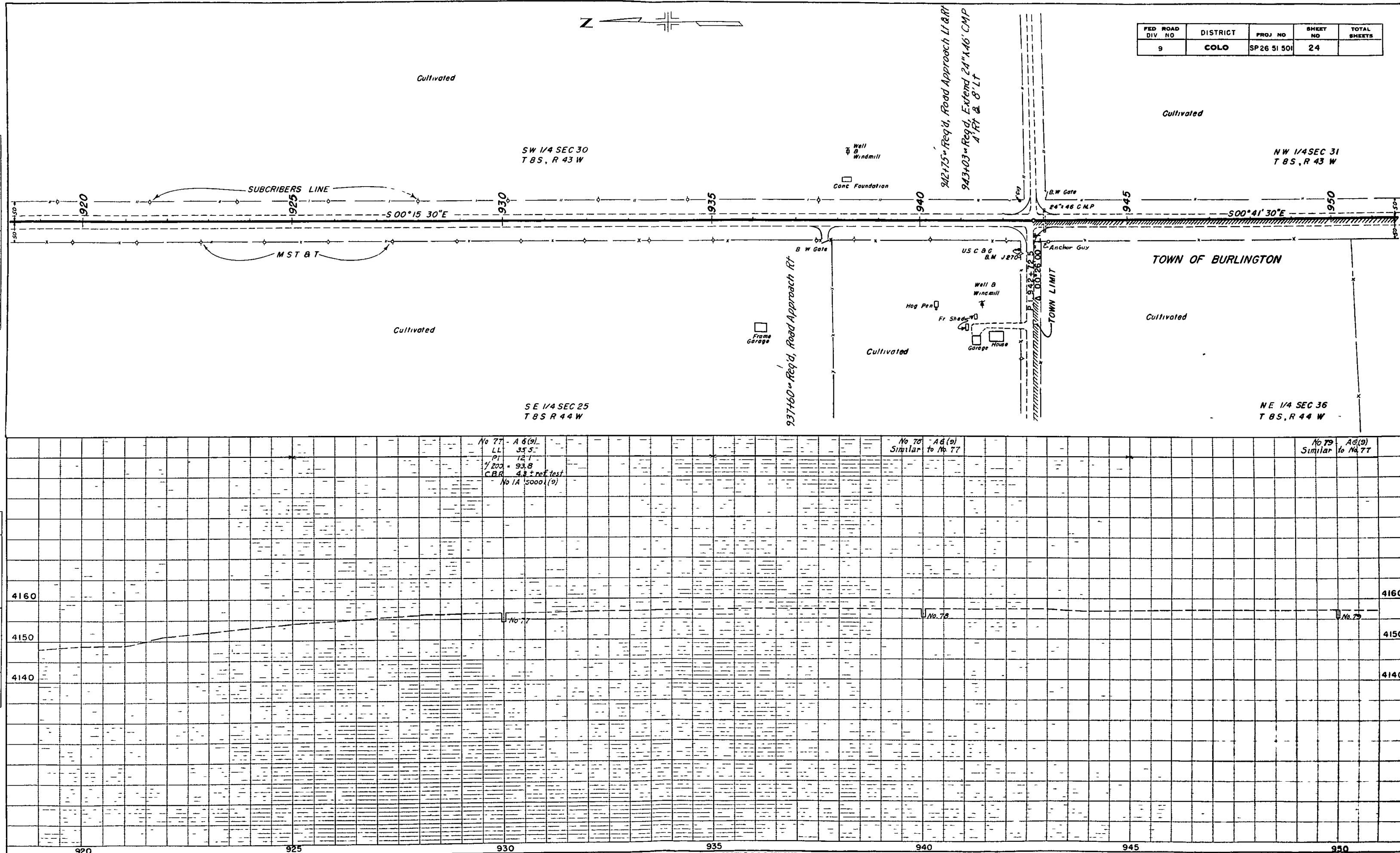
915

920

PLATE I PLAN PROFILE - P.P. STANDARD

DATE	
ST.	
SURVEYED	
PLANNED	
NOTED	
NO. 142/3	

DATE	
ST.	
SURVEYED	
PLANNED	
NOTED	
NO. 142/3	



FED. ROAD DIV. NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	SP 26 51 501	24	

