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- 4&5 LIST OF STRUCTURES.
- 6&7 DETAILS OF BRIDGE, STA. 600+.
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COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. S 0134(5) STATE HIGHWAY NO. 84 134 ROUTT & GRAND COUNTIES

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
GROSS LENGTH OF PROJECT = 27,650.0 Ft. = 5.237 Miles
NET LENGTH OF PROJECT

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLORADO	S 0134 (5)	1	

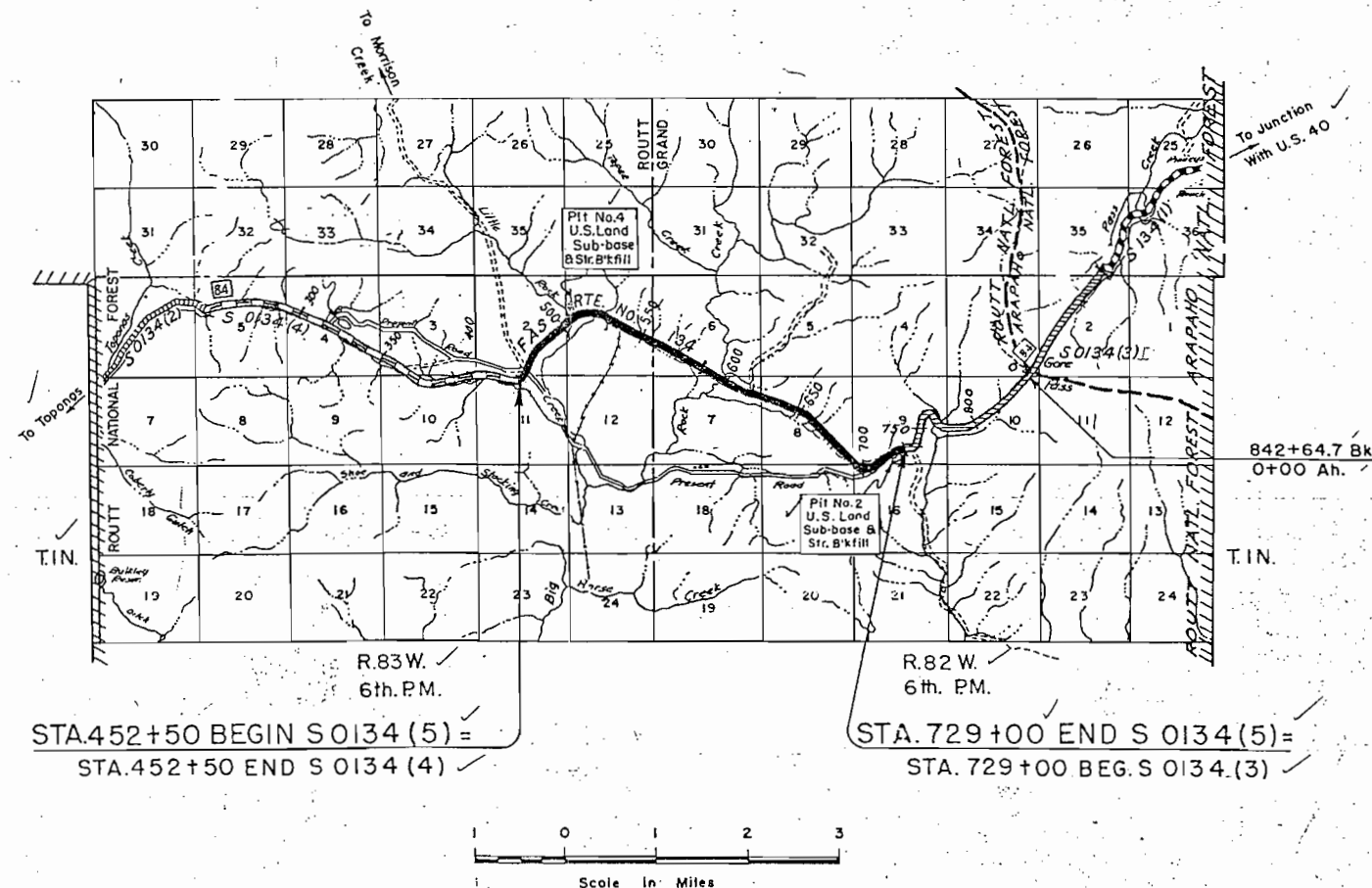
Gore Pass Rd.

CONVENTIONAL SIGNS

CENTER LINE
RIGHT OF WAY LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
LAND LINES
BARBED WIRE FENCE
SNOW FENCE
POWER LINE
PRESENT ROAD (Plan Sheets)

TABULATION OF LENGTH AND DESIGN DATA

STATION	DESCRIPTION	ROADWAY LIN. FT.	BRIDGE LIN. FT.	LOADING
452+50	BEG. S 0134(5) = STA. 452+50 END S 0134(4) ROUTT COUNTY	14,768.5		
600+18.5	BRIDGE END ROCK CREEK		62.8	H-20-44
600+81.3	BRIDGE END			
729+00	END S 0134(5) = STA. 729+00 BEG. S 0134(3)	12,818.7		
TOTALS		27,587.2	62.8	
SUMMARY			LIN. FT.	MILES
ROADWAY		27,587.2		5.225
BRIDGE		62.8		0.012
TOTAL — S 0134(5)		27,650.0		5.237
DESIGN DATA				
MAXIMUM DEGREE OF CURVE			20°00'	
MAXIMUM GRADE			+7.00%	
MINIMUM N.P.S.D.-HORIZONTAL			215'	
MINIMUM N.P.S.D.-VERTICAL			380'	
MAXIMUM DESIGN SPEED			30 M.P.H.	



NOTICE TO BIDDERS
IT IS RECOMMENDED THAT BIDDERS ON THIS PROJECT OVER THE PLAN DETAILS WITH ONE OF THE FOLLOWING REPRESENTATIVES OF THIS DEPARTMENT:
H.A. Demarest, Construction Engineer, Steamboat Springs
G.M. Combs, Resident Engineer, Steamboat Springs Home Phone 330

COLORADO
DEPARTMENT OF HIGHWAYS
APPROVED: *Mark V. Watson* 10-29-54
CHIEF ENGINEER DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED: _____ DATE _____
DISTRICT ENGINEER

PIT NO.2 SUB-BASE & STRUCTURE BACKFILL

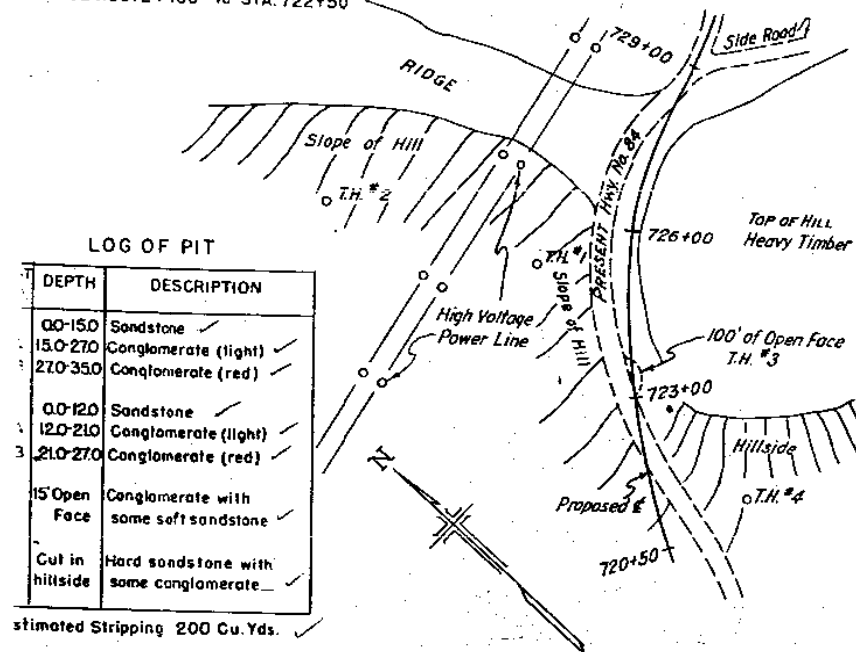
OWNER: U.S. FOREST SERVICE

SAMPLE NO. 692

SE4,SW4 SEC. 9, T.1N., R.82W.

Quantity Available: Ample

HAUL ROUTE: 100' to STA. 722+50



PIT NO.4 SUB-BASE & STRUCTURE BACKFILL

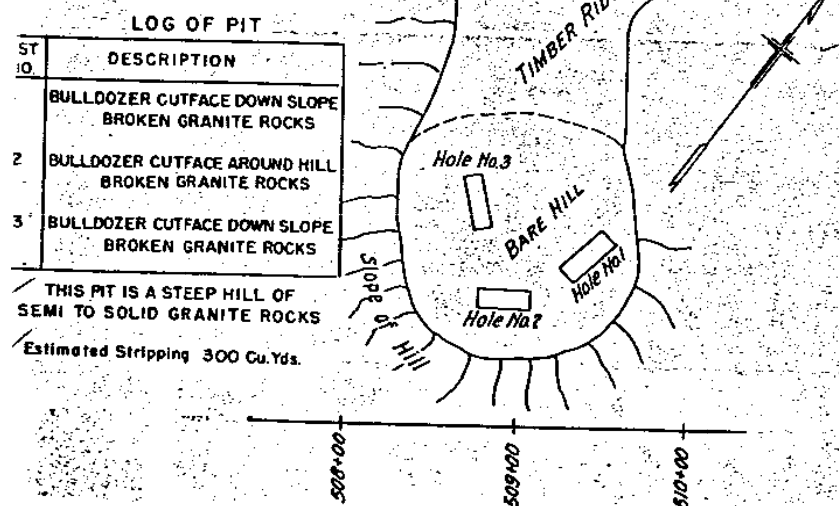
OWNER: U.S. FOREST SERVICE

SAMPLE NO. 694

SW4, N.W.4 SEC. 1, T.1N., R.83W.

Quantity Available: Ample

HAUL ROUTE: 100' to STA. 509+00



SUB-BASE MATERIAL PLAN

It is estimated that Sub-base material for this Project is available in the vicinity of the Pits indicated in the following tabulation. Estimated quantities involved in this operation are shown below.

Alteration of the plan as here outlined will be allowed only on written permission from the Department.

MATERIAL TO BE PLACED	SOURCE	QUANTITY & THICKNESS				OVERHAUL
		AVAILABLE	CLASS I			
			THICKNESS	TONS		TON MILES
452+50-478+00	PIT NO.4		6"	2,550	2,163	
478+00-481+50			11"	679	389	
481+50-488+00			* 6"	650	311	
488+00-489+50			11"	291	117	
489+50-499+50			* 6"	1,000	794	
536+00-558+00			8"	3,014	2,226	
499+50-501+00		AMPLE	* 6"	150	28	
501+00-509+00			* 6"	800	76	
509+00-510+00			* 6"	100	3	
510+00-536+00			6"	2,600	739	
558+00-571+50	R=81		* 6"	1,350	1,452	
571+50-577+00		6"	550	691		
577+00-589+00		11"	2,328	3,306		
589+00-600+18.5		8"	1,533	2,515		
BRIDGE						
600+813-615+75			8"	2,046	3,888	
615+75-624+00			8"	1,131	2,221	
624+00-633+00			4"	594	1,069	
633+00-641+25			8"	1,131	1,851	
641+25-652+00	PIT NO.2	AMPLE R=67+	19"	3,903	5,683	
652+00-655+50			4"	231	306	
655+50-668+00			6"	1,250	1,462	
668+00-674+00			15"	1,650	1,641	
674+00-690+50			6"	1,650	1,289	
690+50-697+00			* 6"	650	365	
697+00-722+50			6"	2,550	663	
722+50-729+00			6"	650	52	
Estimated for Irregularities			3,503	3,480		
Estimated for Widening			492	492		
TOTALS			39,026	38,773		

*Based on Curve D

*Leveling Course

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	S 0134 (5)	3	

TIMBER GUARD POSTS

STATIONS	SPACING	NO. POSTS	
		EACH	
462+66	Culvert	2	
504+00	"	2	
510+40	"	2	
570+97	"	2	
590+00	Culvert	2	
599+54.5-600+18.5	Bridge	12	
600+81.3-601+45.3	Bridge	12	
609+50	Culvert	2	
612+90	"	2	
621+50	"	2	
624+00	"	2	
634+00	Culvert	2	
639+75	"	2	
641+65	"	2	
647+25	"	2	
666+00	Culvert	2	
667+00	"	2	
670+00	"	2	
673+50	"	2	
681+50	Culvert	2	
685+50	"	2	
689+50	"	2	
707+00	"	2	
713+00	Culvert	2	
719+00	"	2	
TOTAL		70	

RIGHT OF WAY MARKERS

STATIONS	SIDE	NO. POSTS	
		EACH	
465+00	Lt.	1	
477+83.0	Rt.	1	
493+30.1	Lt.	1	
503+87.2	Rt.	1	
517+42.6	Lt.	1	
530+17.6	Rt.	1	
545+00	Lt.	1	
557+00	Rt.	1	
570+00	Lt.	1	
584+00	Rt.	1	
603+23.5	Lt.	1	
607+76.0	Rt.	1	
623+00	Lt.	1	
637+00	Rt.	1	
652+59.9	Lt.	1	
661+33.2	Rt.	1	
677+28.6	Lt.	1	
695+82.6	Rt.	1	
704+28.4	Lt.	1	
713+76.7	Rt.	1	
722+92.9	Lt.	1	
TOTAL		21	

NOTE:

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

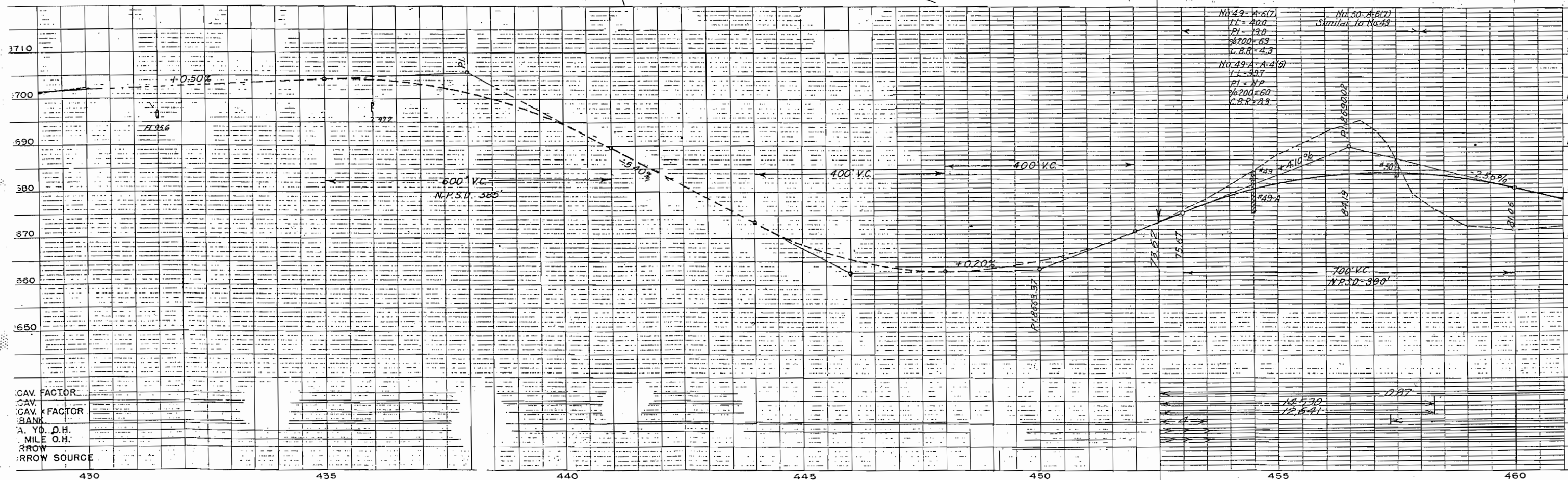
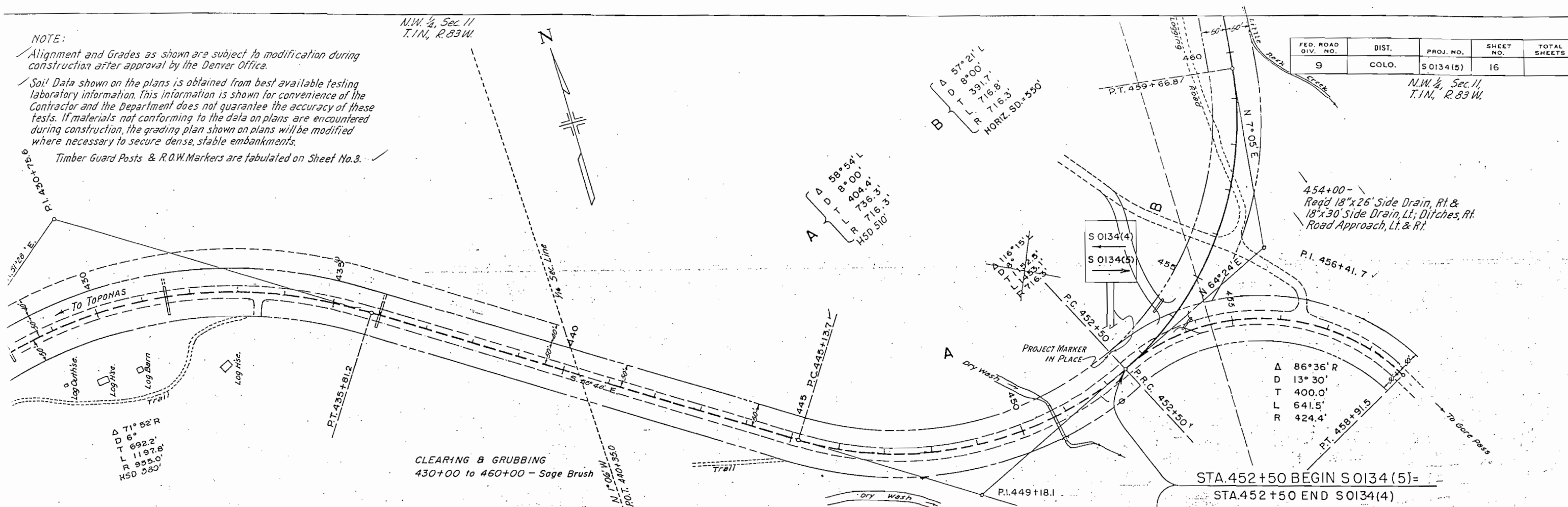
Soil Data shown on the plans is obtained from best available testing laboratory information. This information is shown for convenience of the Contractor and the Department does not guarantee the accuracy of these tests. If materials not conforming to the data on plans are encountered during construction,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

Timber Guard Posts & R.O.W. Markers are tabulated on Sheet No. 3.

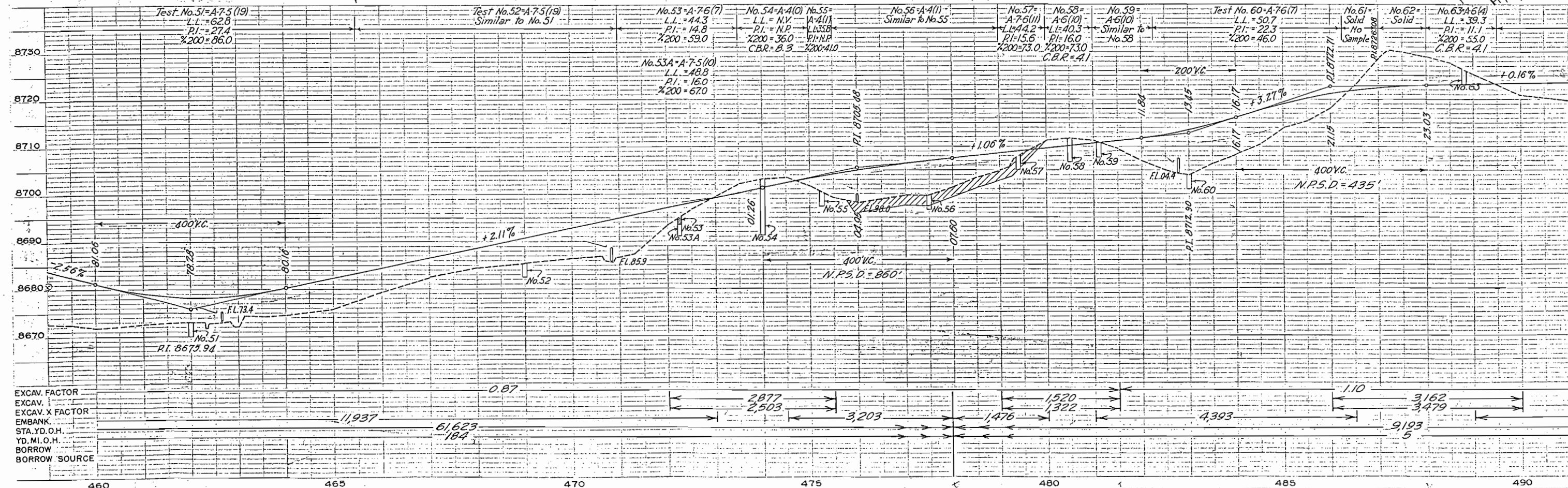
N.W. 1/4, Sec. 11
T.1N, R.83W.

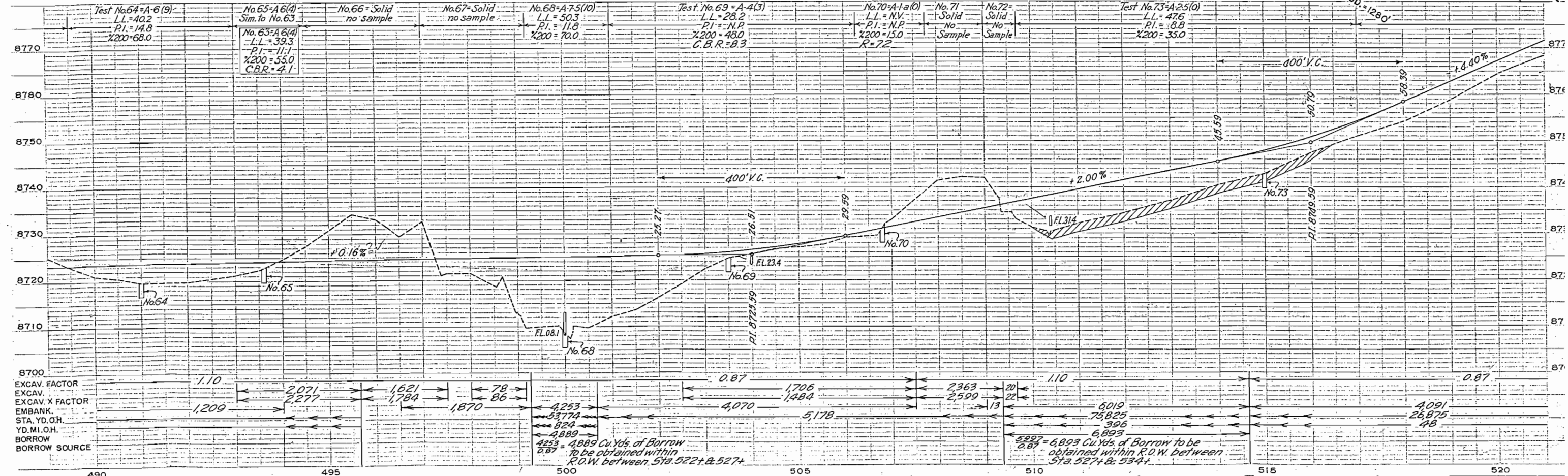
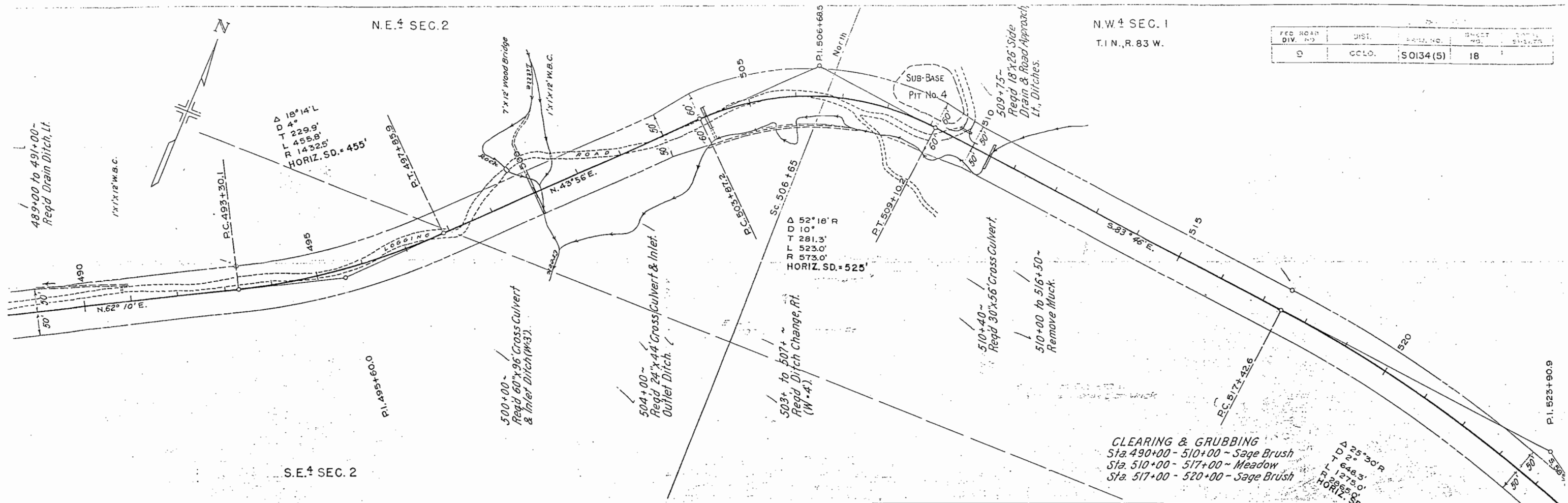
FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	SO134(5)	16	

N.W. 1/4, Sec. 11
T.1N, R.83W.



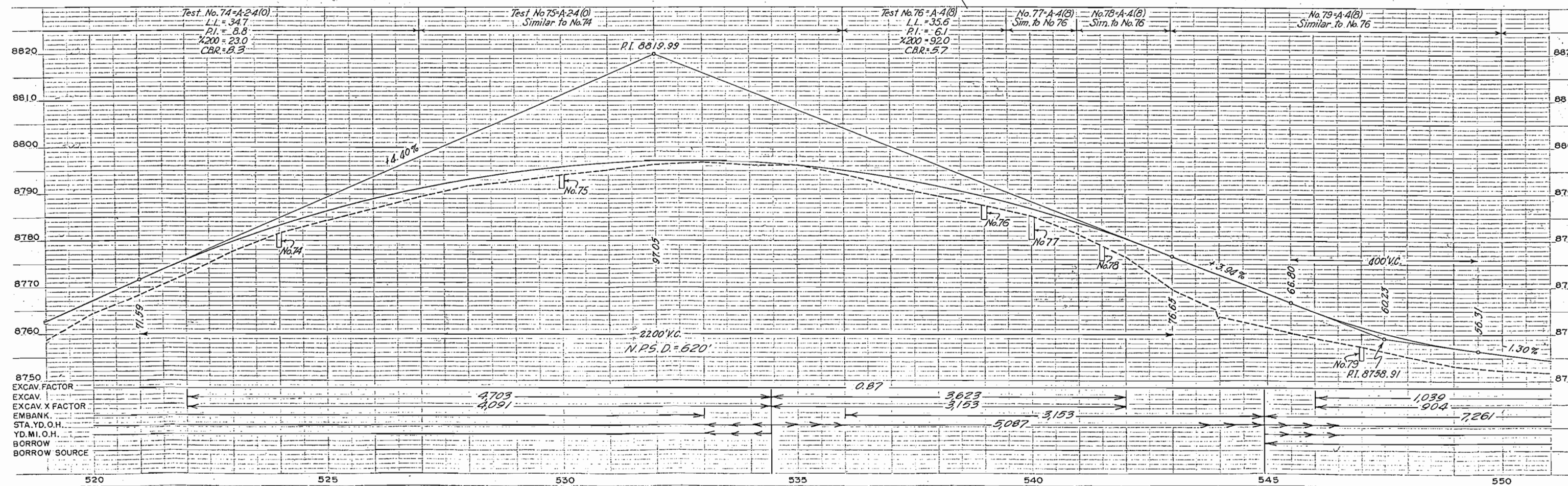
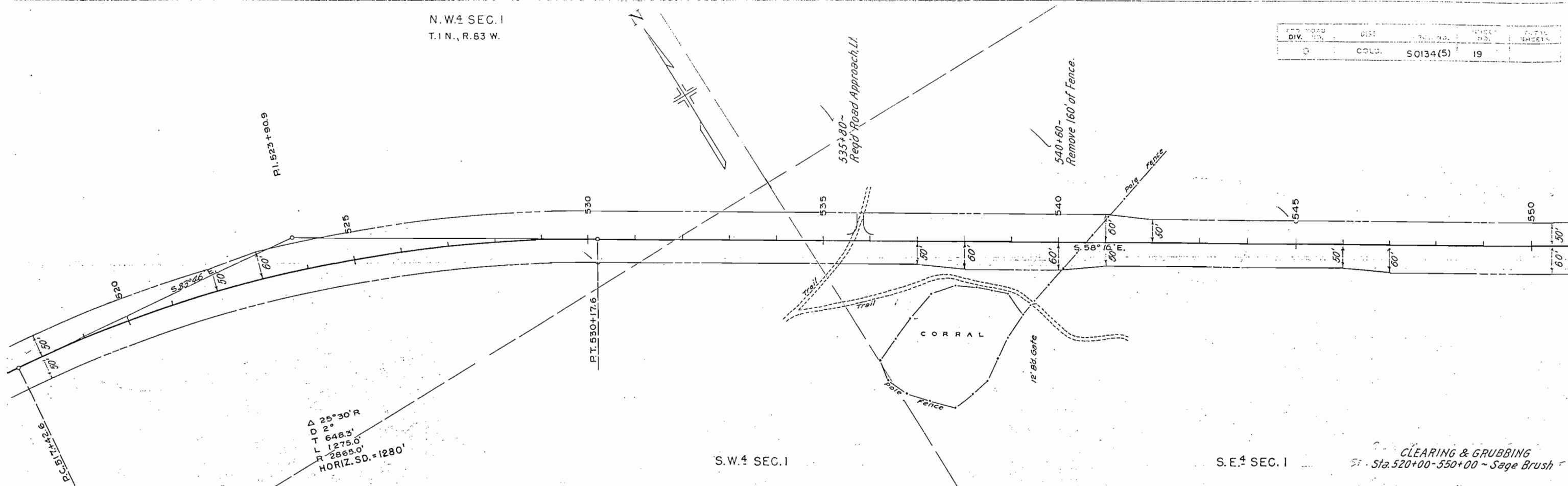
CAV. FACTOR
CAV. x FACTOR
BANK
A. YD. O.H.
MILE O.H.
ROW
ROW SOURCE





N.W. 1/4 SEC. 1
T. 1 N., R. 63 W.

DIV.	NO.	DIST.	NO.	NO.	NO.
0		0000	50134(5)	19	



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

PLATE 1-PLAN-PROFILE
FOOTING WATER 12/14/1944
K & O On the 24th
1944

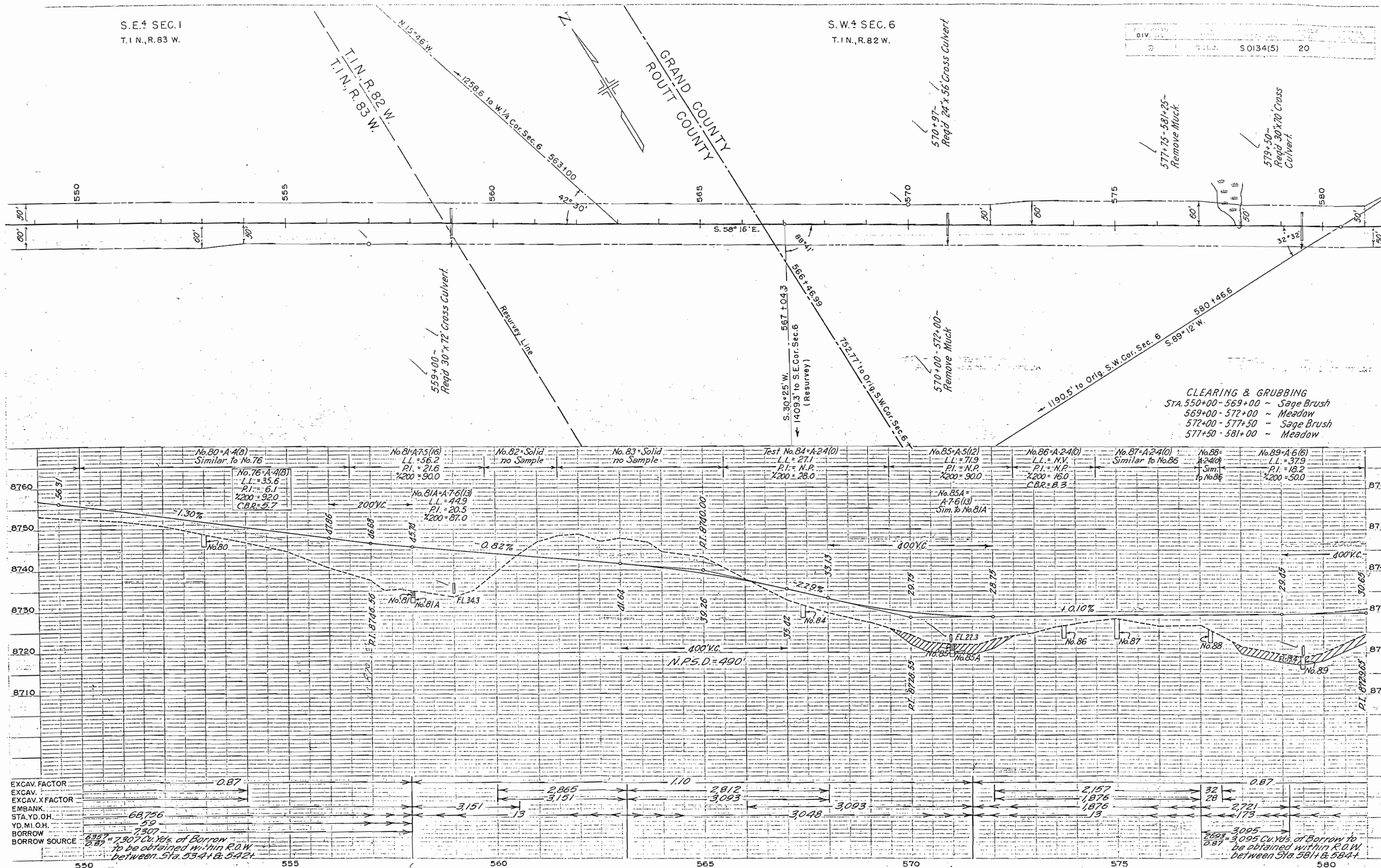
CLEARING & GRUBBING
Sta. 520+00-550+00 ~ Sage Brush

S.E.4 SEC.1
T.1 N., R.83 W.

S.W.4 SEC.6
T.1 N., R.82 W.

DIV.	SECTION	DATE	BY
3	50134(5)	20	

GRAND COUNTY
ROUTT COUNTY



S.W. 1/4 SEC. 6
T.1N., R.82 W.
STRUCTURE NOTES FOR BRIDGE STA. 600+18.5 TO 600+81.3 . STRUCTURE NO.D-10-B

PRESENT STRUCTURE: None
SPAN-
CLEAR ROADWAY-
CLEAR WATERWAY-
TYPE OF SUPERSTRUCTURE-
TYPE OF SUBSTRUCTURE-
REQUIREMENTS AS TO REMOVAL-

PROPOSED STRUCTURE
POSITION REFERRED TO PRESENT STRUCTURE-New Alignment.
SPAN- 2 @ 30'
CLEAR ROADWAY- 24'-0"
CLEAR WATERWAY- 310'
TYPE OF SUPERSTRUCTURE: Conc.Slab & Girder Trestle
TYPE OF SUBSTRUCTURE- Conc.Abut.Cap on Piles, 2-Col. & Wall Conc. Pier.
DETOUR STRUCTURE REQUIREMENTS- None
R.R. SIDING- Toponas HAUL TO BRIDGE SITE- 11.6 Mi.

STREAM DATA

DRAINAGE AREA IN SQ. MILES- 24
VELOCITY DURING HIGH WATER-
ELEVATION OF :
MAXIMUM HIGH WATER- 8716 Low Water- 8714
NORMAL STAGE- 8714 STREAM BED- 8712.2
DRIFT- Light
SCOUR- None

NEARBY STRUCTURES ON SAME STREAM-
LOCATION- 2 Mi. Downstream
WATERWAY- 82'
RECORD DURING FLOODS-

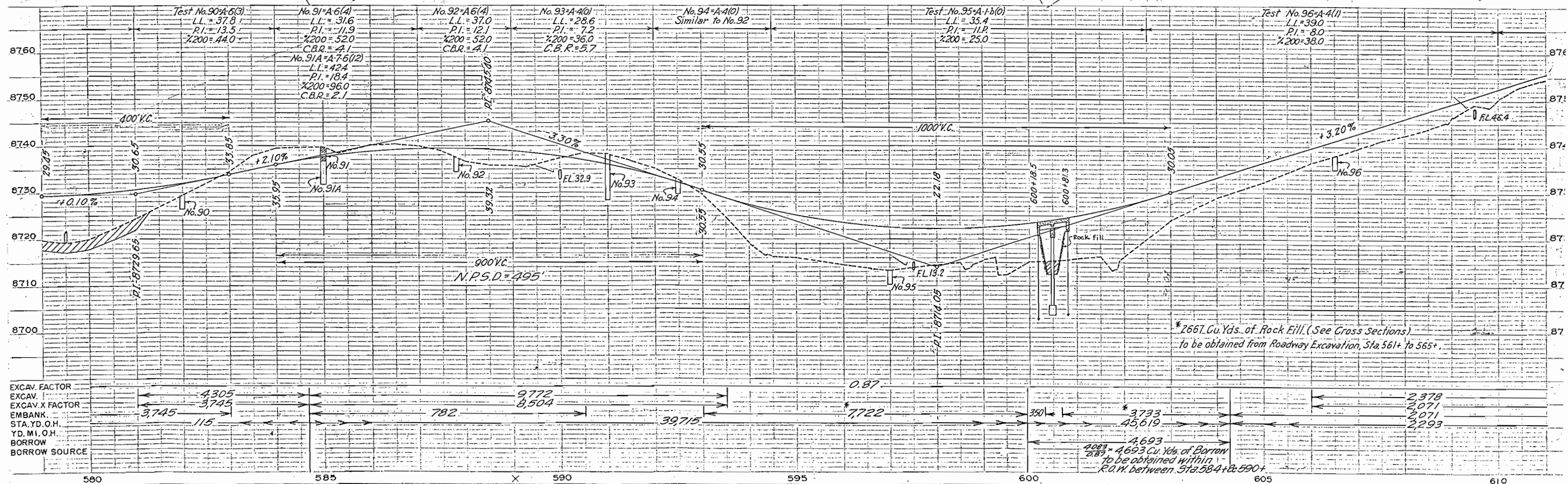
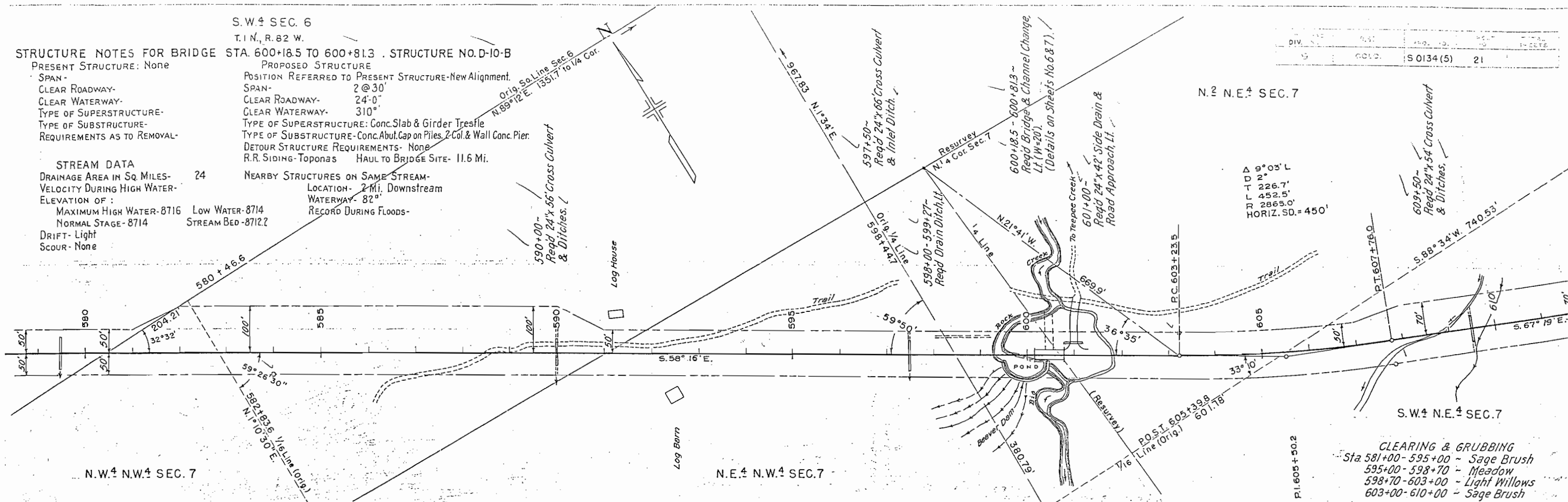
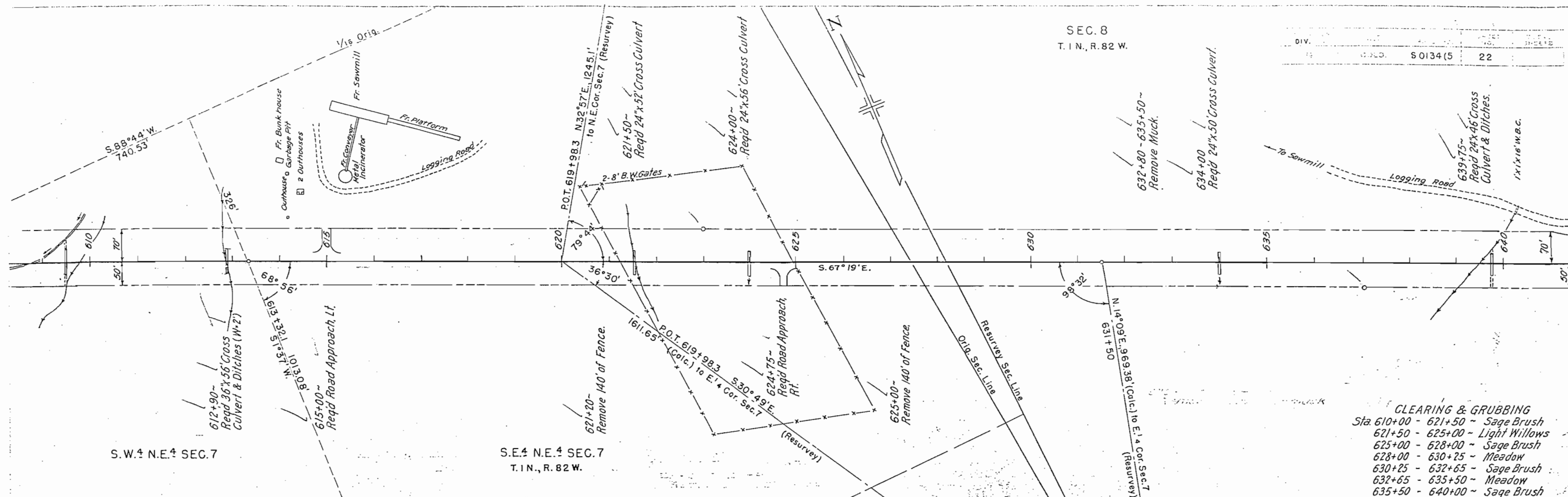
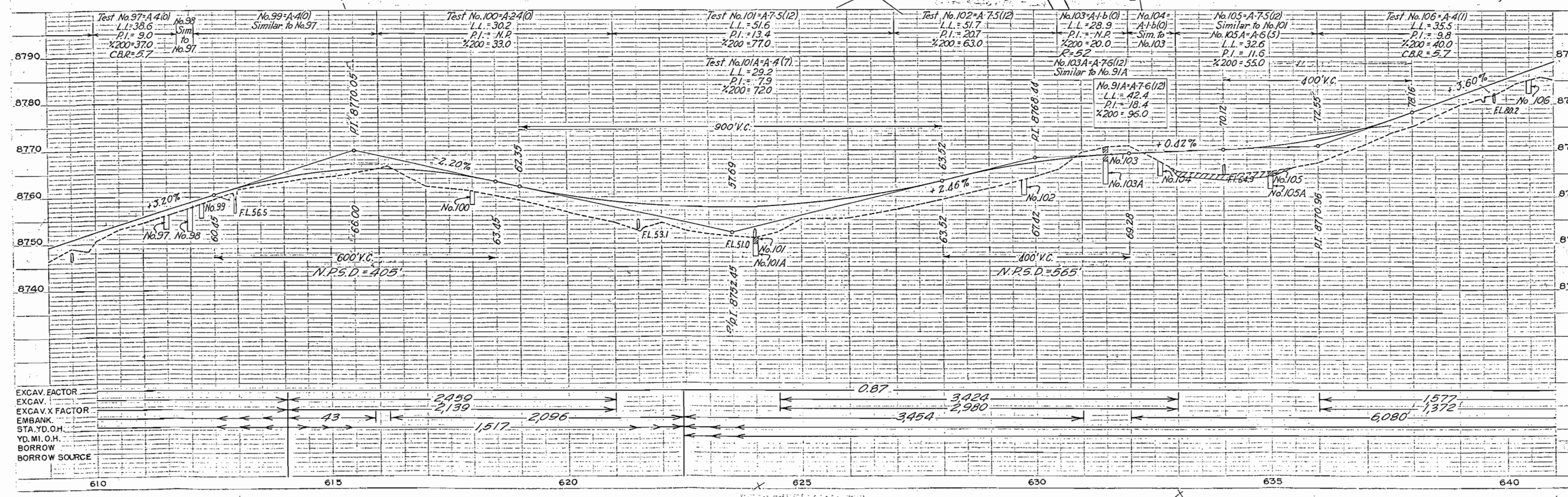


PLATE 1-PLAN PROFILE, D. & S. R. 1000

PLATE 1-PLAN PROFILE, D. & S. R. 1000

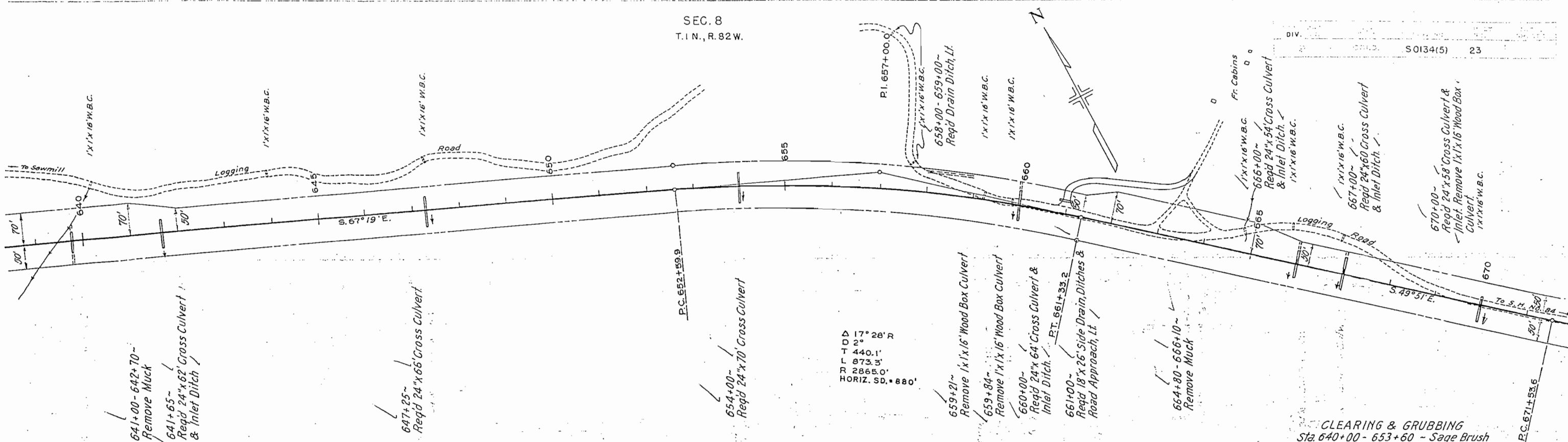


- CLEARING & GRUBBING**
- Sta 610+00 - 621+50 ~ Sage Brush
 - 621+50 - 625+00 ~ Light Willows
 - 625+00 - 628+00 ~ Sage Brush
 - 628+00 - 630+25 ~ Meadow
 - 630+25 - 632+65 ~ Sage Brush
 - 632+65 - 635+50 ~ Meadow
 - 635+50 - 640+00 ~ Sage Brush

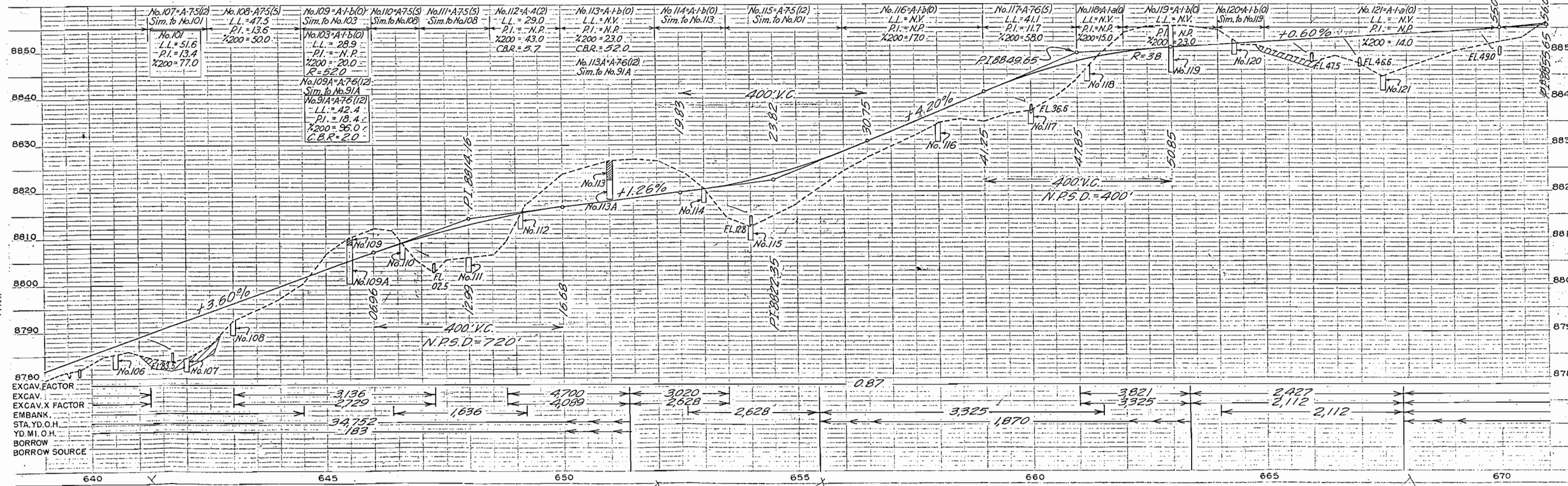


SEC. 8
T. 1 N., R. 82 W.

DIV. 1
S0134(5) 23



CLEARING & GRUBBING
 Sta. 640+00 - 653+60 - Sage Brush
 653+60 - 656+25 - Light Willows
 656+25 - 664+65 - Sage Brush
 664+65 - 666+15 - Heavy Willows
 666+15 - 670+00 - Sage Brush



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

SEC. 8
T. 1 N., R. 82 W.

S.W. 1/4 SEC. 9

DIV. S 0134(15) 24

