

FED. ROAD DIST. NO.	STATE	A. W. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	5004	1	

Revised to include Const. Div. No 2 11-5-36 L.N.L.

INDEX OF SHEETS

COLORADO STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED

A.W.P. NO. 5004

STATE HIGHWAY NO. 4

PARK COUNTY

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 28,103.1' = 5.322 MI.
NET LENGTH OF PROJECT 28,103.1' = 5.322 MI.

CONVENTIONAL SIGNS

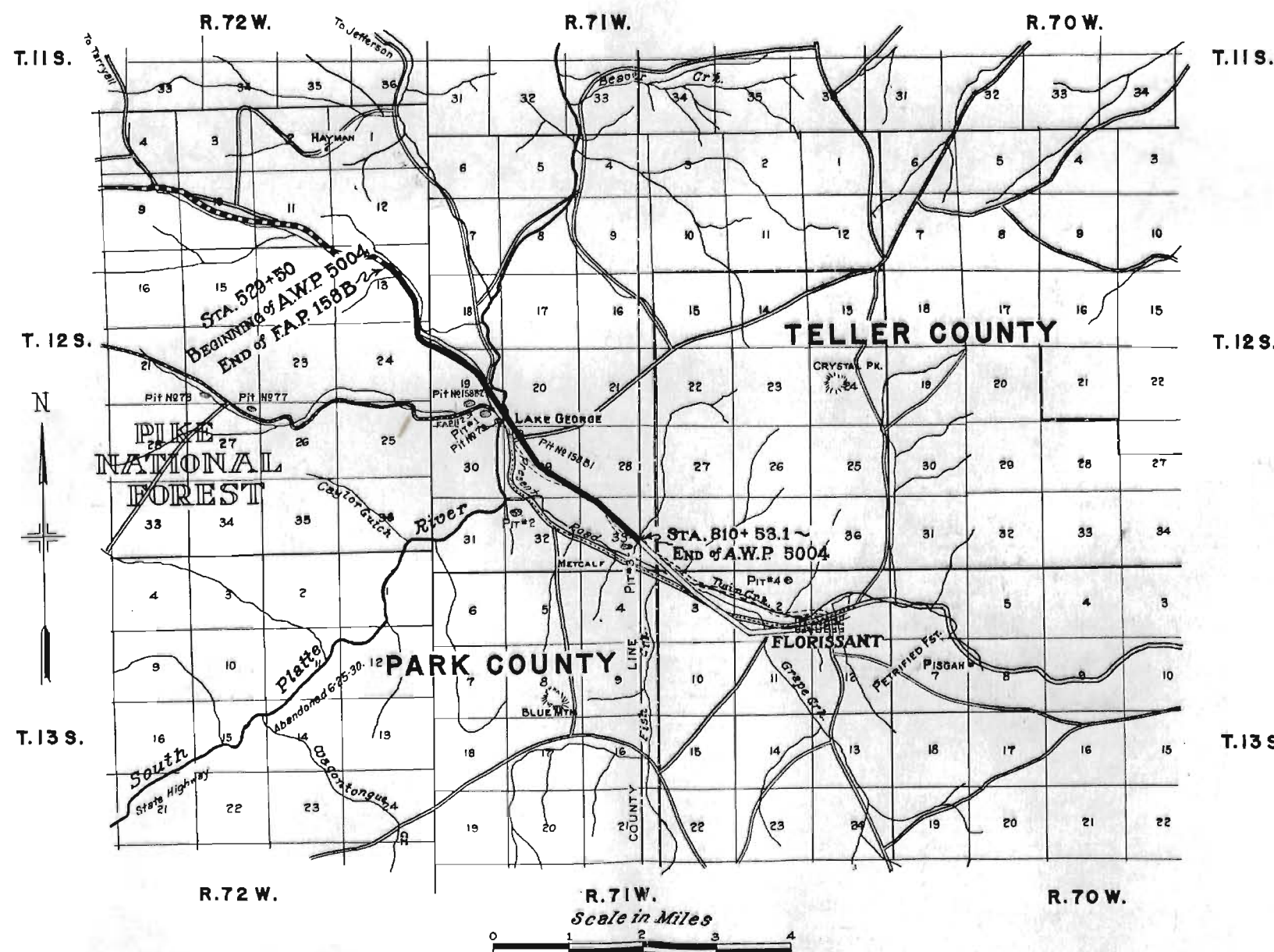
CENTERLINE OF IMPROVEMENT 530
COUNTY LINE BOUNDARY
SECTION LINES
QUARTER SEC. LINES
FENCES (BARBED WIRE)
TELEPHONE LINES

- SHEET NO. 1 TITLE SHEET
" 2 TYPICAL SECTION, DET'L. OF RIPRAP SUM'RY. OF APPROX. QUANTITIES.
" 3 TABULATION OF STRUCTURES.
" 4 FENCING REQUIREMENTS, GATES & R.O.W. MARKERS.
" 5 STANDARD CONCRETE BOX CULVERTS, M103D
" 6 " " " " M104D
" 7 REINFORCED " CULVERT PIPE, M112C
" 8 STANDARD HEADWALLS FOR C.M.P. CULVERTS, M102E
" 9 " WIRE FENCE WITH STEEL POSTS AND MARKERS, M27A

- " 10 " METHODS FOR SUPERELEVATION AND WIDENING CURVES, M1A
" 11 TYPICAL APPROACH ROADS & ROADWAY CONST. TRAFFIC SIGNS, M2B
" 12-21 PLAN AND PROFILE
" 22-30 CROSS SECTIONS

See Final Const.

- SHEET NO. 1 TITLE SHEET
" 2 TYPICAL SECTION AND SUMMARY
" 3 LIST OF STRUCTURES
" 4a-4b-4c-4d DETAILS OF BRIDGE STA. 672+
" 5a " " " " 688+
" 6a " " " " 798+
" 7 STANDARD WIRE CABLE GUARD FENCE M-20-A
" 8 " STRUCTURE NUMBER LETTERING M-10-A
" 9 TYPICAL TRAFFIC SIGNS & APPROACH ROADS M-2-B
" 16-17-20 PLAN & PROFILE



It is recommended that Bidders on this Project go over the plan details with one of the field representatives of this department.

Ernest Montgomery, Div. Engr., Colo. Spgs.
V. H. Littlefield, Res. Engr., Colorado Springs

RECOMMENDED FOR APPROVAL 9/3/36

APPROVED
Chas. O. Jare
STATE HIGHWAY ENGINEER

FENCING REQUIREMENTS

RIGHT OF WAY MARKERS

STATION	SIDE		NUMBER
	LEFT	RT.	
529+50	/	/	2
552+00		2	2
558+00	/	2	3
590+00	/	/	2
615+00	/	/	2
640+85	/	/	2
641+80	/		1
672+15	2		2
678+00	2	1	3
707+30	/	/	2
724+10		/	1
733+00	/	/	2
760+00	/	/	2
790+00	2	1	3
810+50	/	/	2
TOTAL			31

STATION	TO	STATION	SIDE	REMOVE		BUILD	
				LIN. FT.		LIN. FT.	
				B. WIRE	COMB.	B. WIRE	COMB.
529+50		531+30	L		240		
529+50		536+50	R	760			
529+50		541+50	L				1,200
541+50		640+95	L			9,945	
529+50		685+80	R			15,660	
540+60		547+30	R	670			
551+00		551+80	L	85			
554+30		556+80	R	250			
569+20		583+00	X	1,390			
578+30		580+50	R	215			
589+80			X	115			
593+40			X	395			
593+70		596+60	R	310			
597+60			X	255			
612+50			X	540			
612+70		618+60	R	620			
630+40			X	420			
639+70		640+85	L	150			
639+80			X	580			
641+85		686+15	L			4,530	
642+20			X	510			
653+40			X	115			
660+90			X	340			
667+05		667+85	R	130			
668+10		669+30	R	155			
674+20			X	170			
686+40		707+70	L			2,130	
686+20		706+90	R			2,070	
690+00			X	240			
707+50		841+00	R			13,350	
705+50			X	128			
708+30		719+70	L			1,140	
720+30		808+30	L			8,800	
721+25			X	220			
724+10		742+80	X	1,890			
735+25			L	45			
752+00		759+00	R	710			
750+50		773+80	X	2,560			
772+00			L	100			
790+60			X	145			
805+60			L	120			
806+40			X	400			
808+30			X	400			
TOTALS				18,373		57,625	1,200

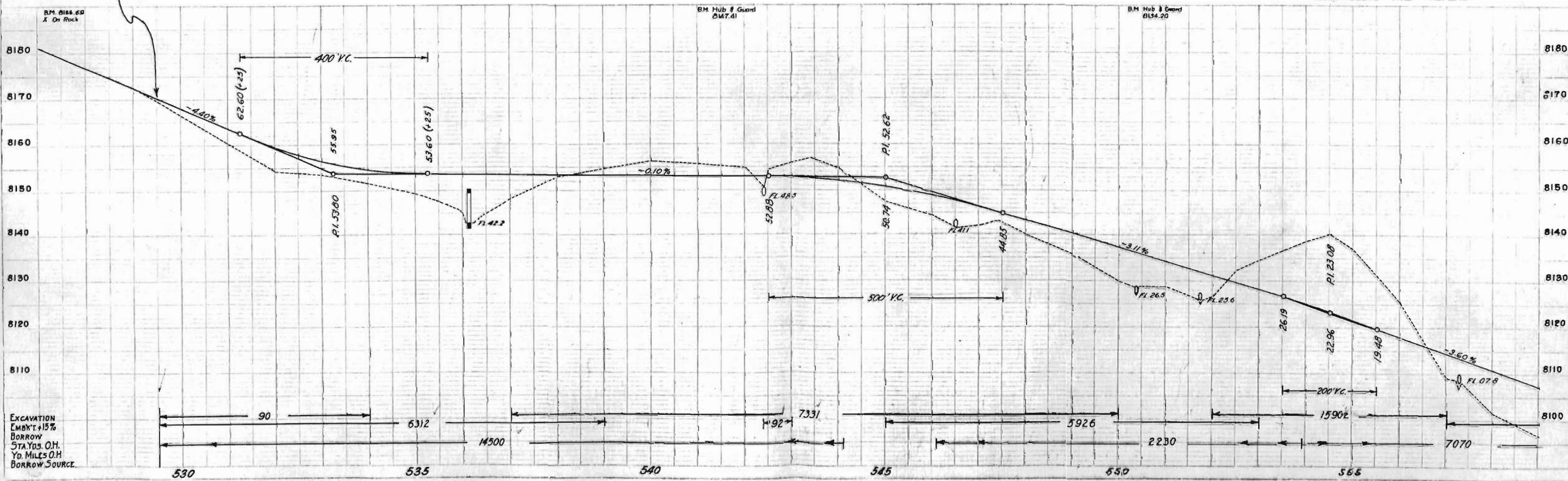
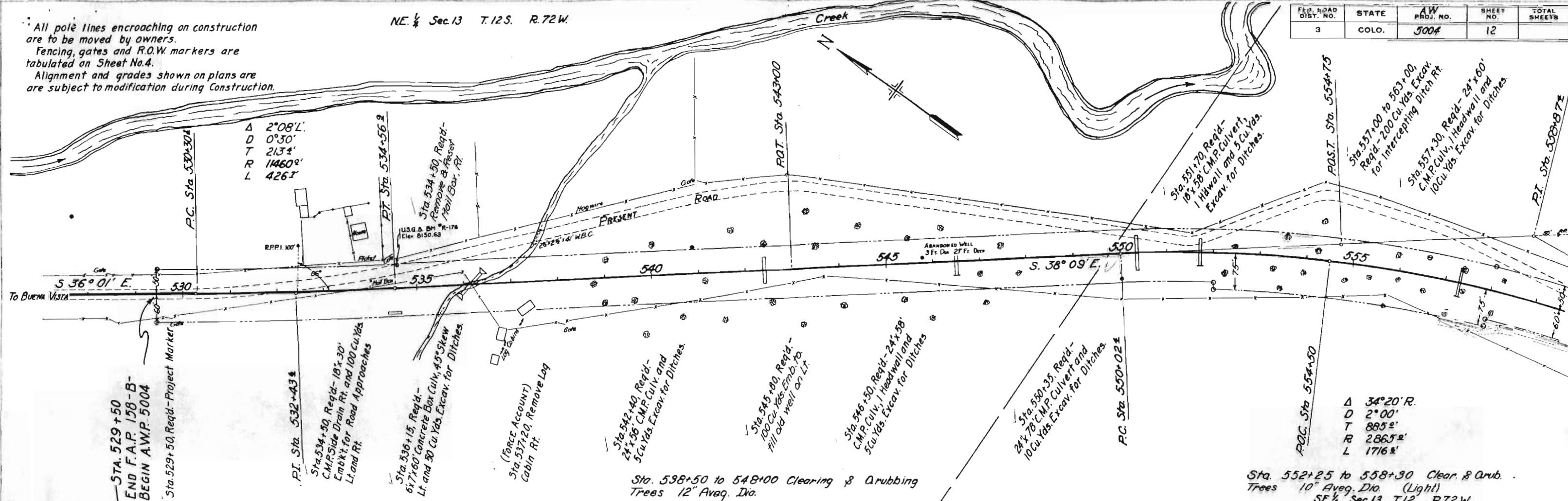
GATES

STATION	BARB. WIRE GATES		DRIVEWAY GATES	
	LEFT	RT.	LEFT	RT.
534+50		/	/	
564+00	/	/		
596+00	/			
612+50	/	/		
653+00	/	/		
663+00	/	/		
702+60			/	/
720+86	/			
750+40	/	/		
769+56			/	/
787+50	/	/		
TOTALS	15		5	

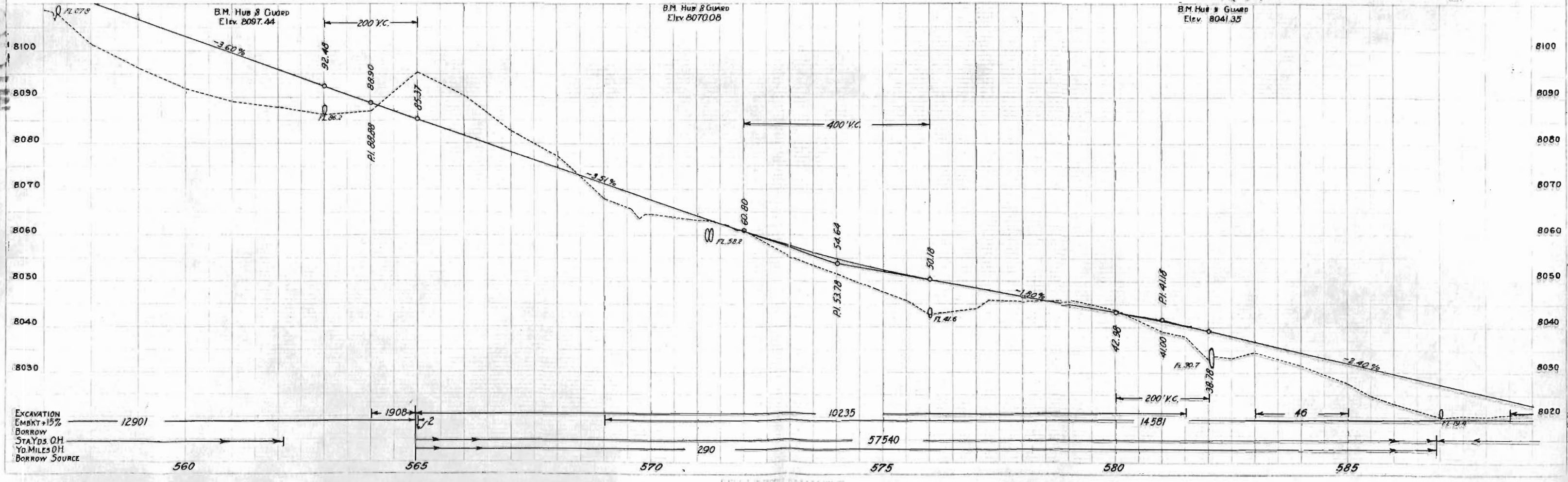
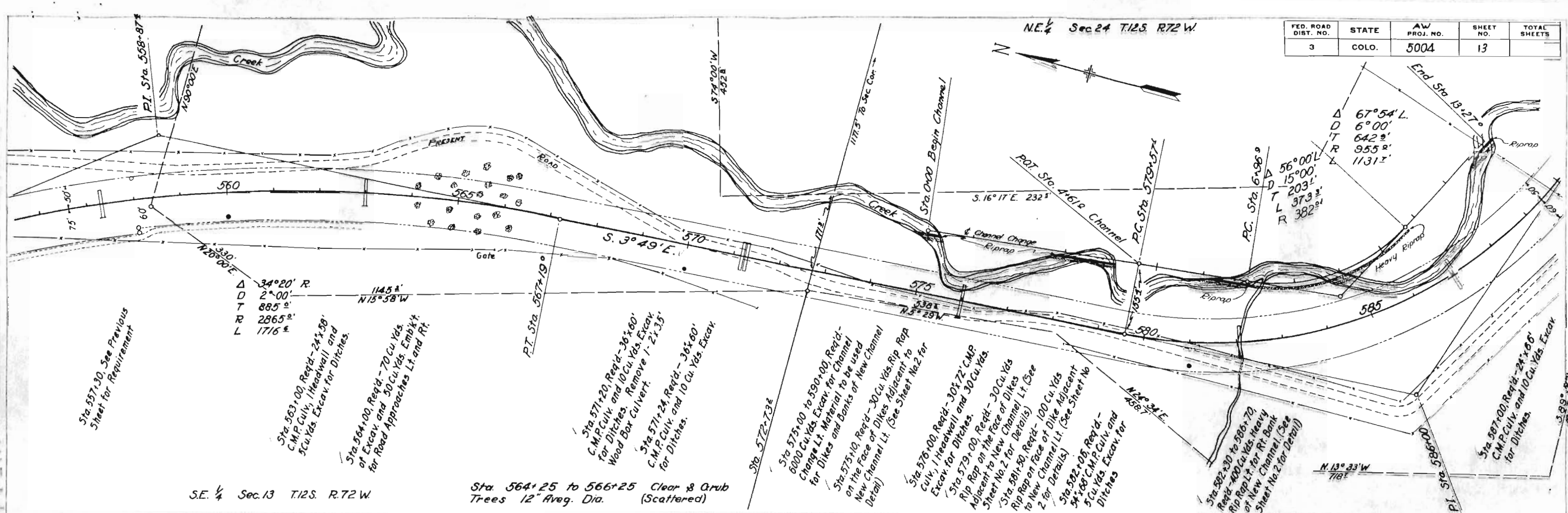
All pole lines encroaching on construction are to be moved by owners.
Fencing, gates and R.O.W. markers are tabulated on Sheet No.4.
Alignment and grades shown on plans are subject to modification during construction.

NE 1/4 Sec.13 T.12S. R.72W.

FED. ROAD DIST. NO.	STATE	AW PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	5004	12	



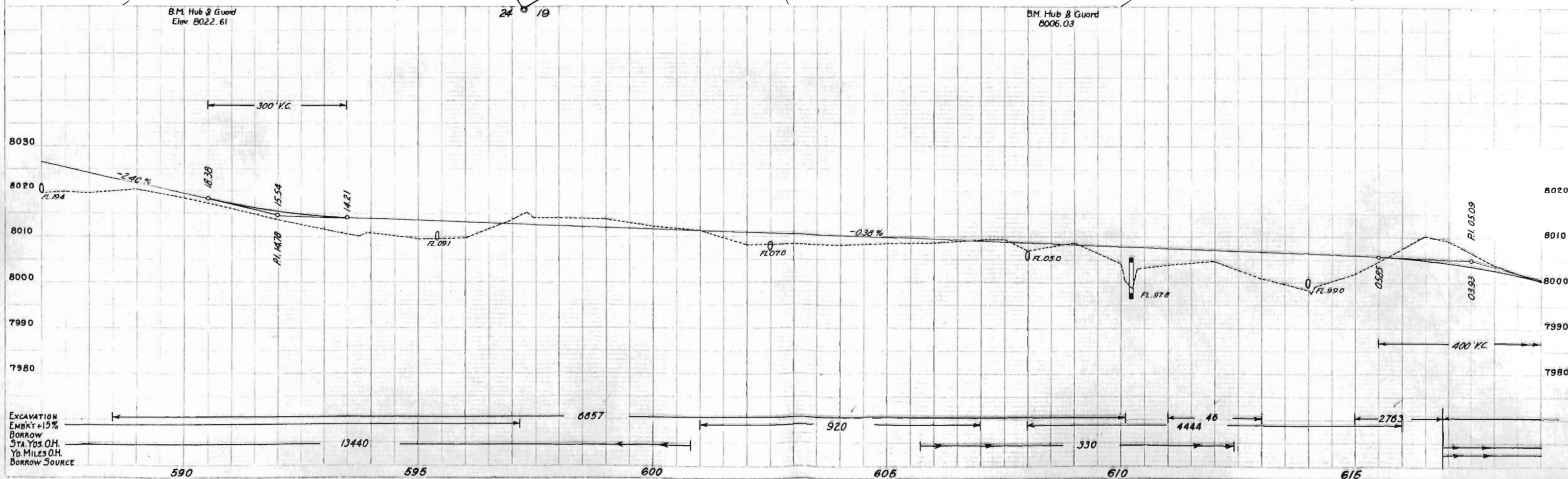
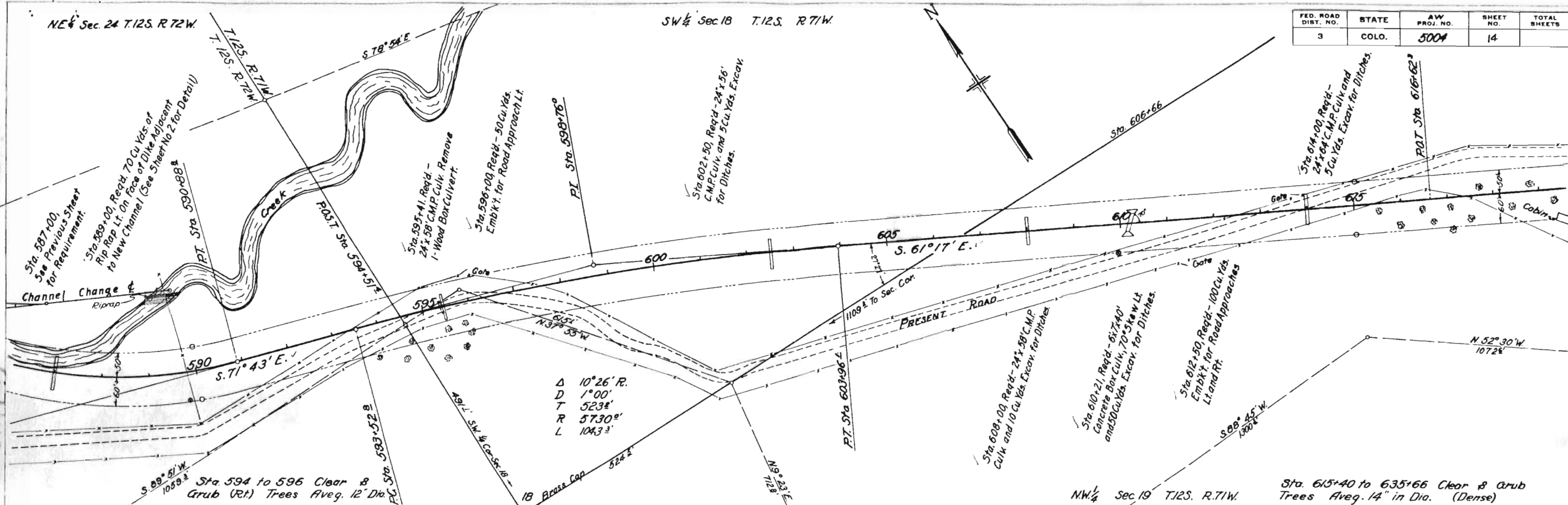
EXCAVATION
EMBKT+15%
BORROW
STA.YDS. O.H.
YD. MILES O.H.
BORROW SOURCE



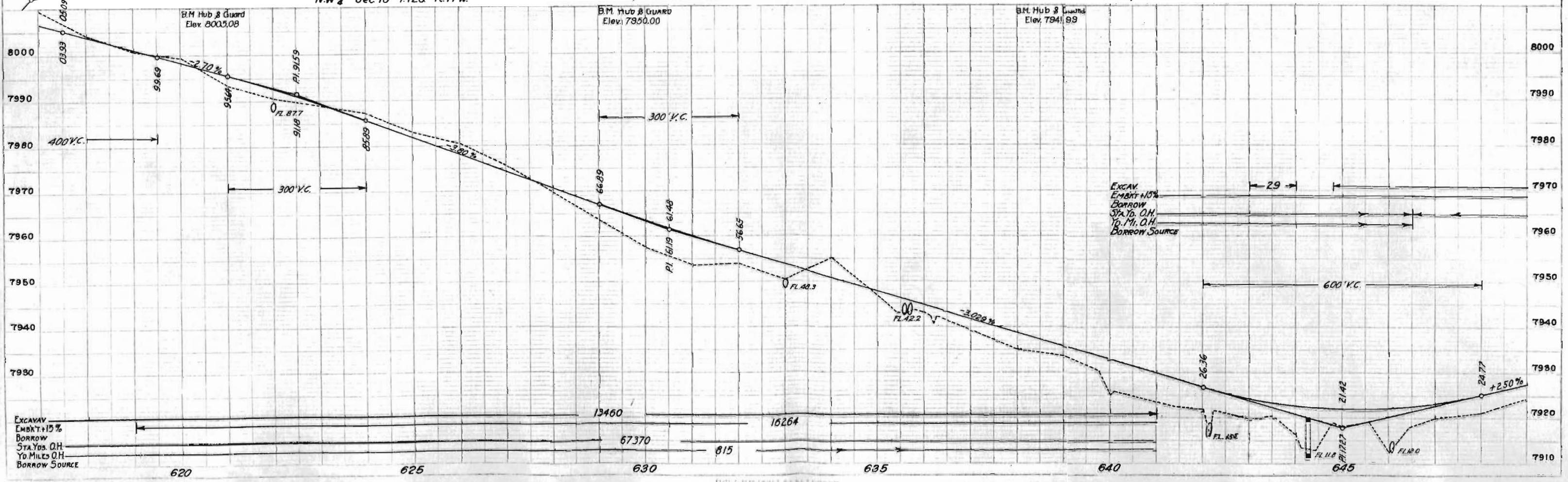
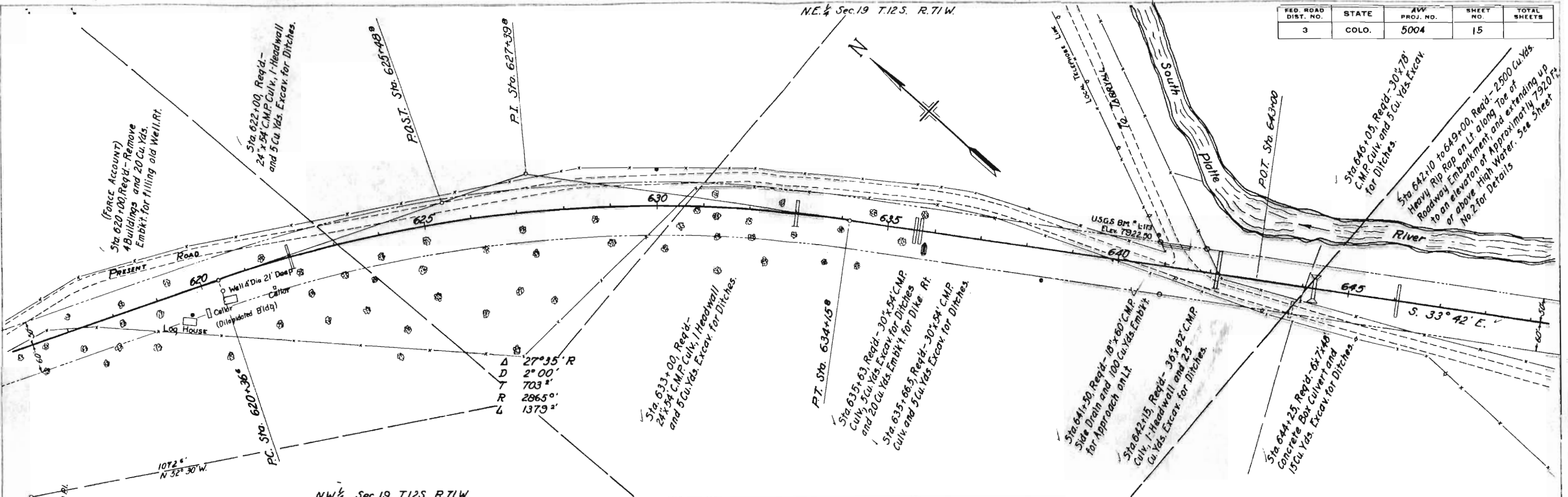
NE 1/4 Sec. 24 T.12S. R.72W.

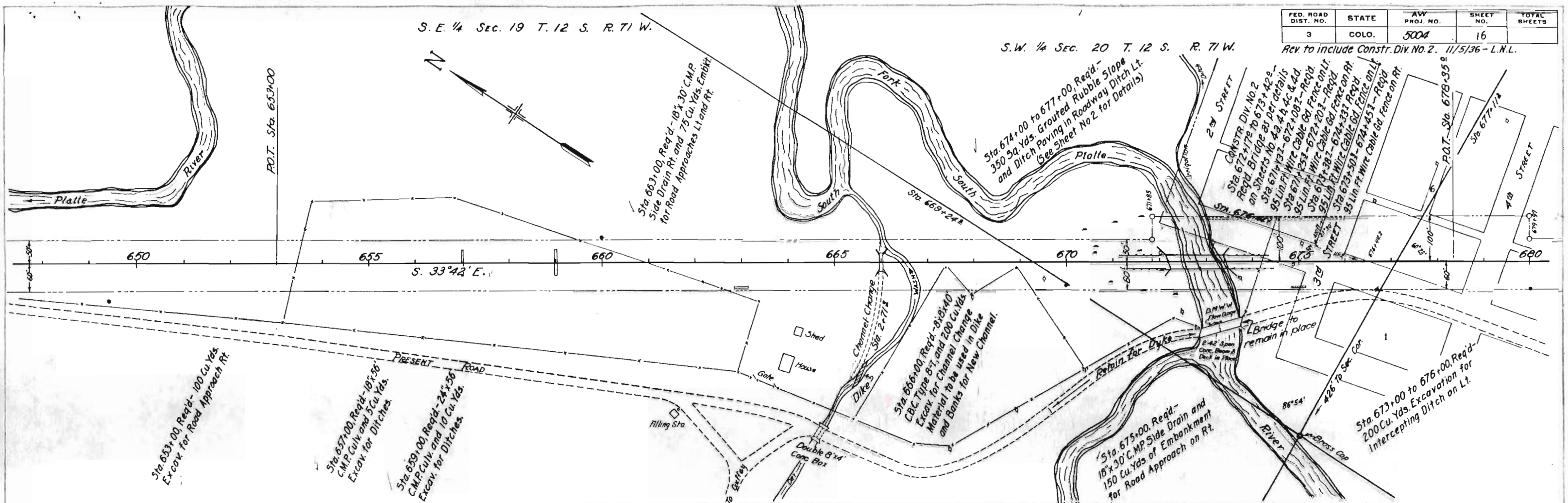
SW 1/4 Sec. 18 T.12S. R.71W.

FED. ROAD DIST. NO.	STATE	AW PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	5004	14	



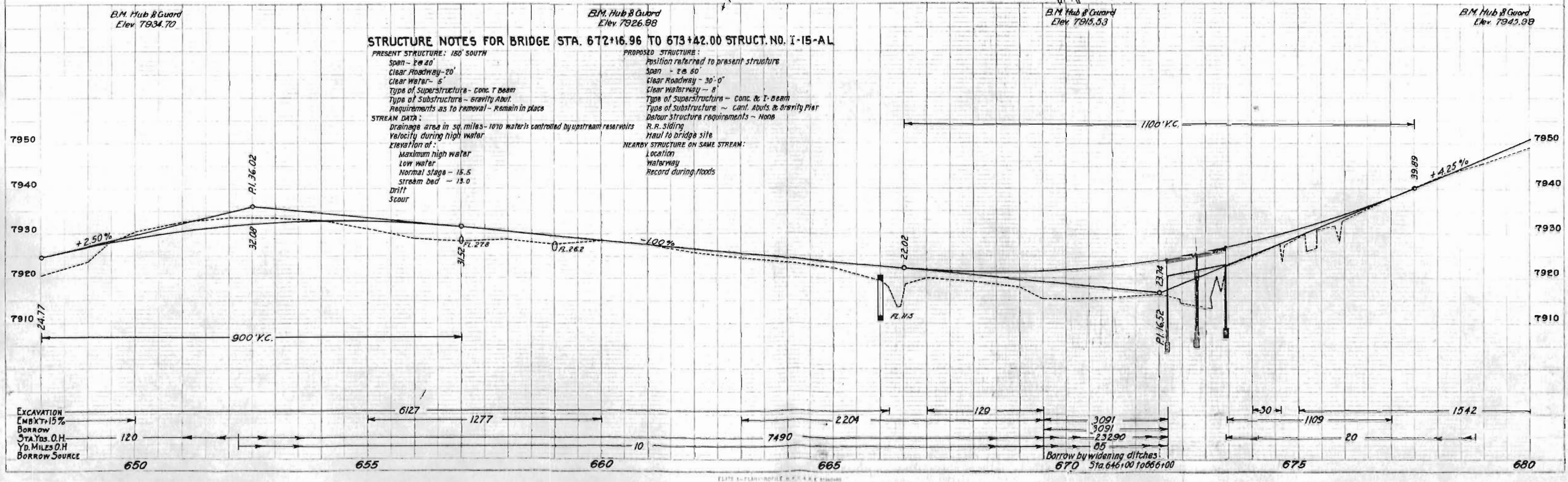
FED. ROAD DIST. NO.	STATE	AVY PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	5004	15	

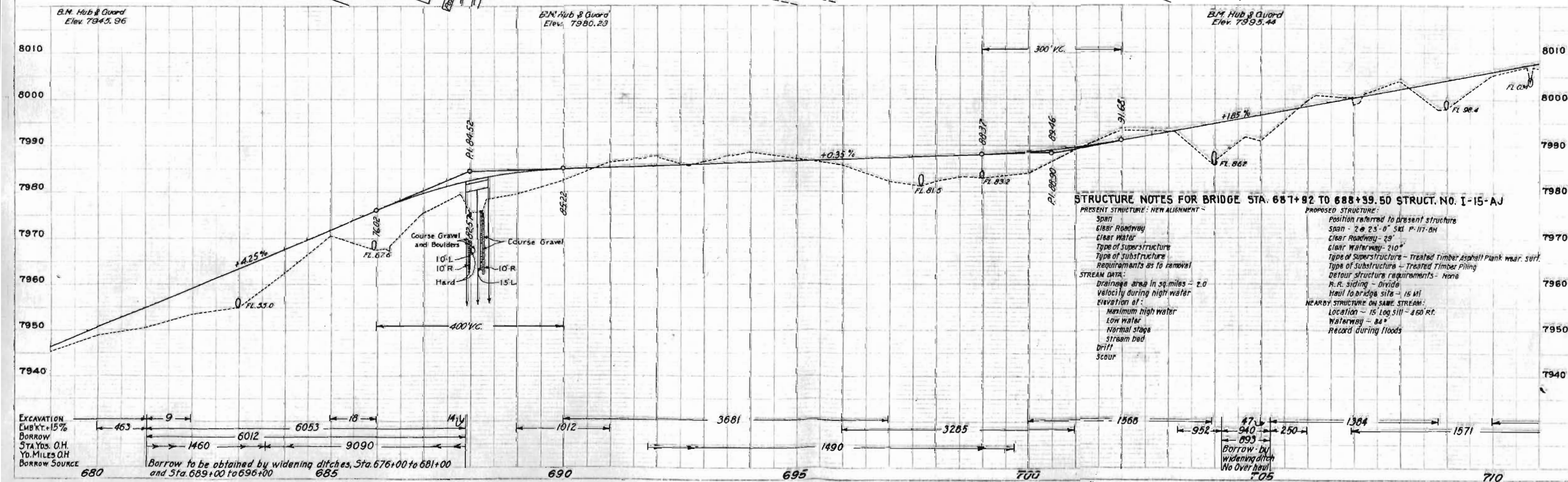
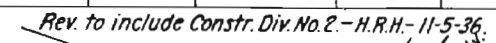




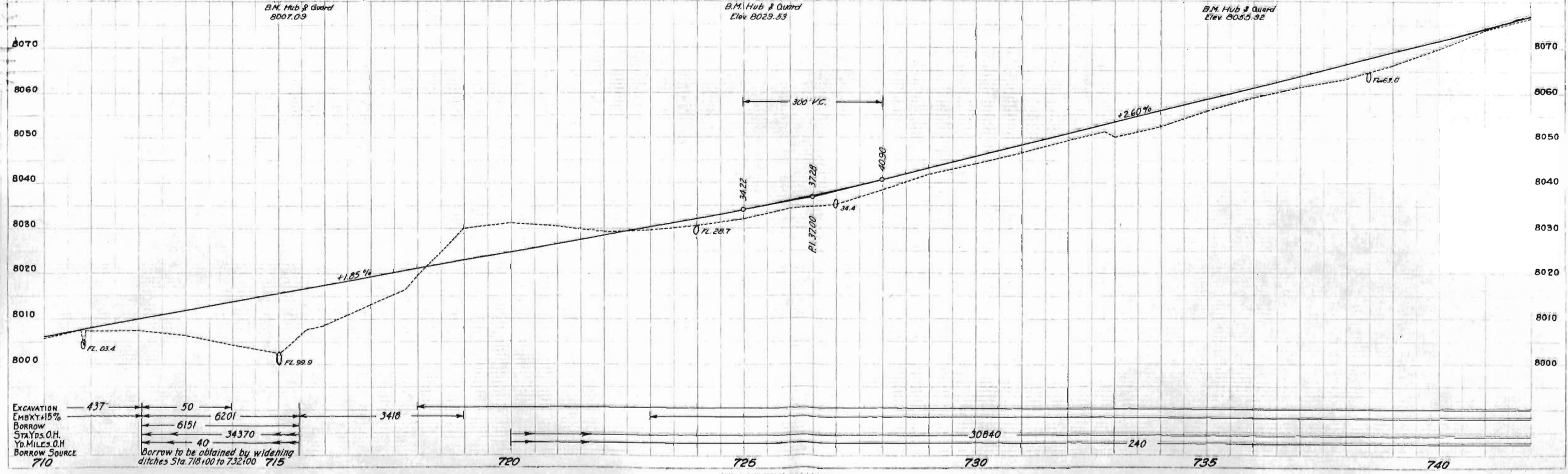
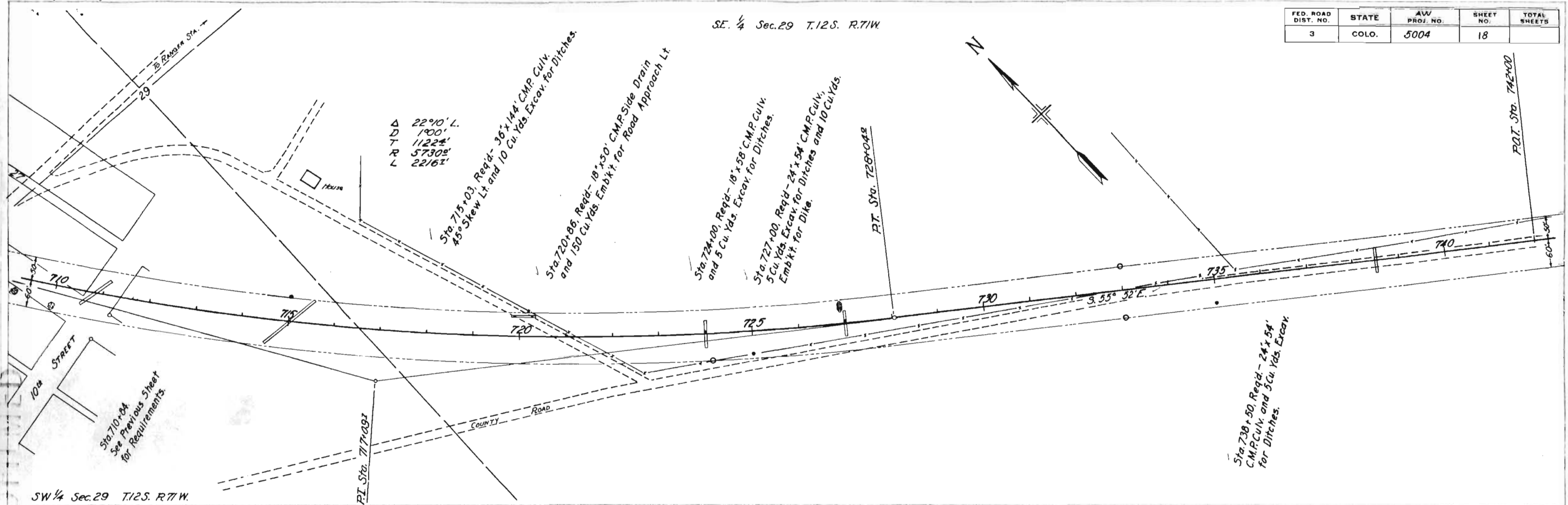
FED. ROAD DIST. NO.	STATE	AW PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	5004	16	

Rev. to include Constr. Div. No. 2. 11/5/36 - L.N.L.





FED. ROAD DIST. NO.	STATE	AW PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	5004	18	

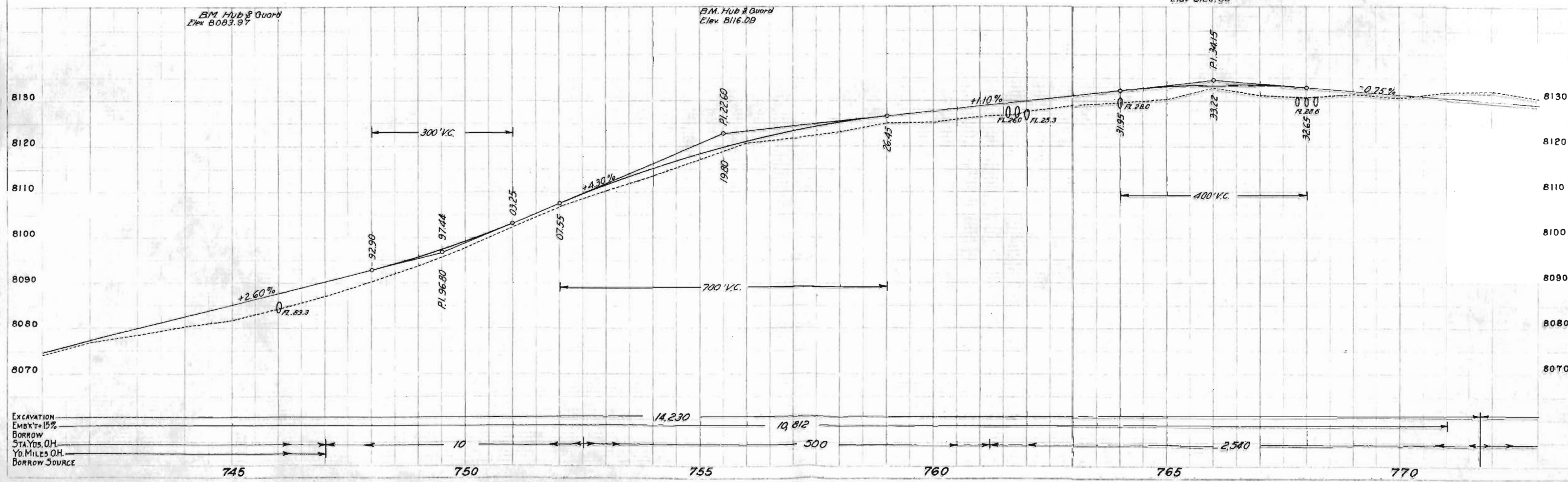
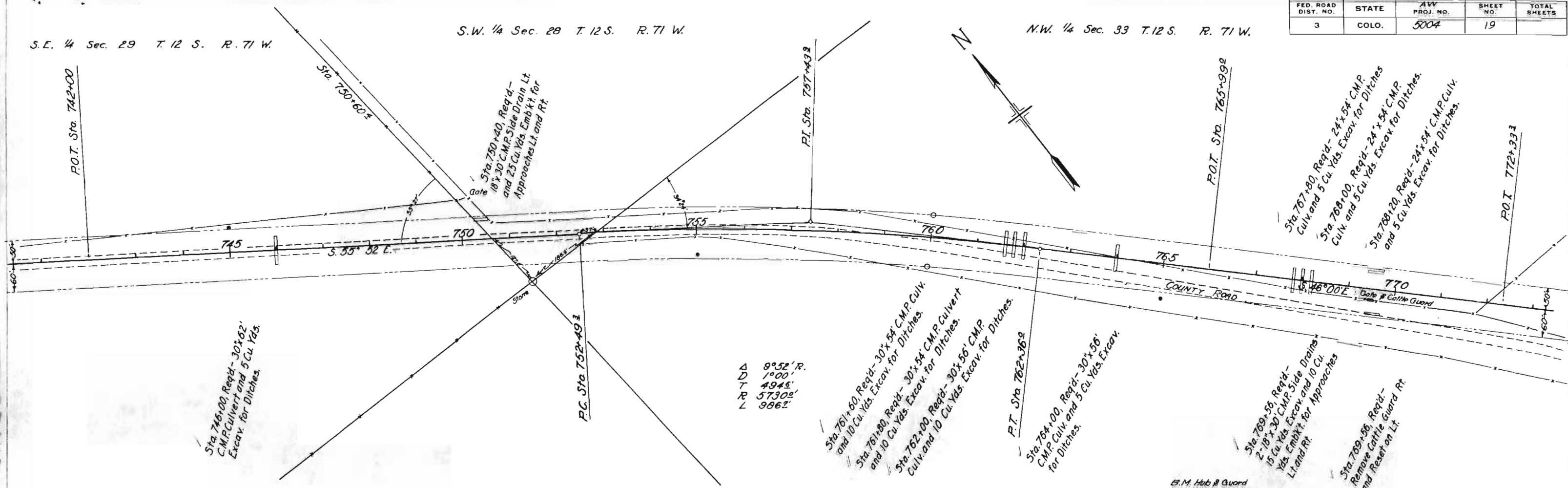


S.E. 1/4 Sec. 29 T. 12 S. R. 71 W.

S.W. 1/4 Sec. 28 T. 12 S. R. 71 W.

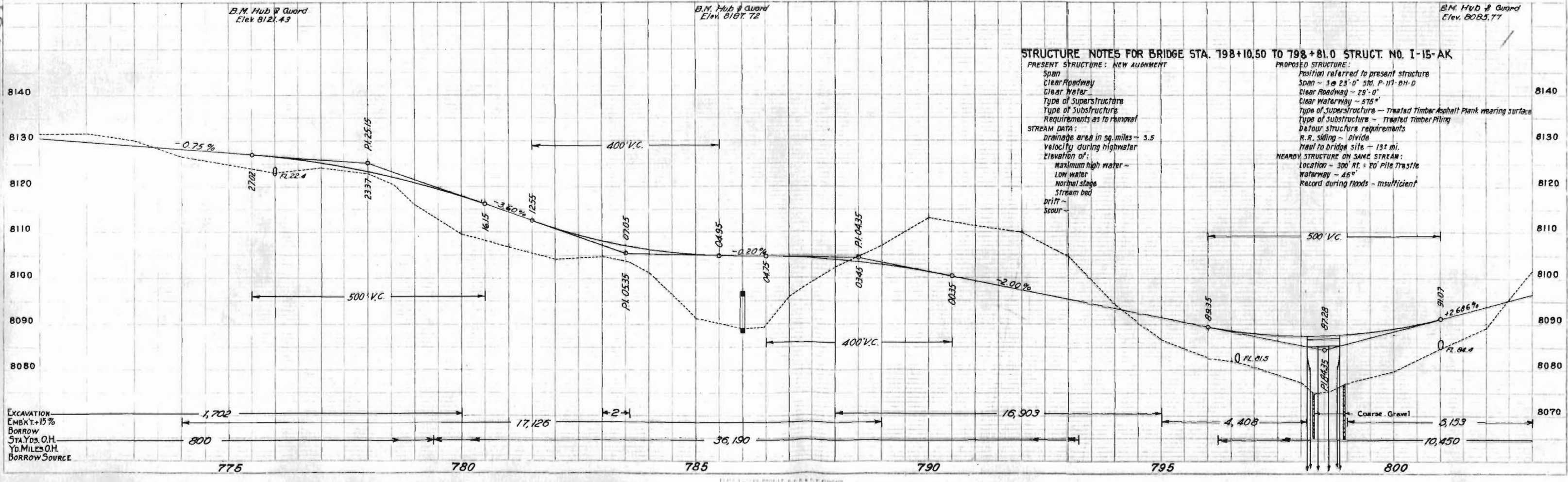
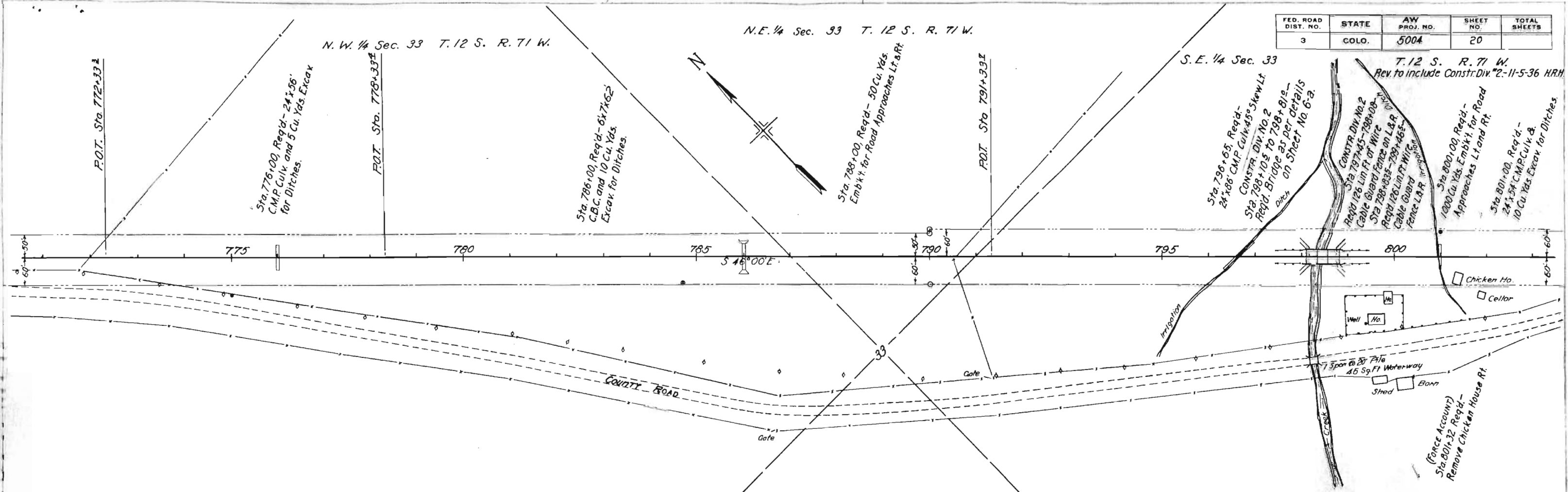
N.W. 1/4 Sec. 33 T. 12 S. R. 71 W.

FED. ROAD DIST. NO.	STATE	AVY PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	5004	19	



EXCAVATION
EMBKT+15%
BORROW
STA YDS. OH.
YD. MILES OH.
BORROW SOURCE

FED. ROAD DIST. NO.	STATE	AW PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	5004	20	



STRUCTURE NOTES FOR BRIDGE STA. 798+10.50 TO 798+81.0 STRUCT. NO. I-15-AK

PRESENT STRUCTURE: NEW ALIGNMENT

- Span
- Clear Roadway
- Clear Water
- Type of Superstructure
- Type of Substructure
- Requirements as to removal

STREAM DATA:

- Drainage area in sq. miles - 3.5
- velocity during highwater
- Elevation of:
 - Maximum high water -
 - Low water
 - Normal stage
 - Stream bed
- Drift -
- Scour -

PROPOSED STRUCTURE:

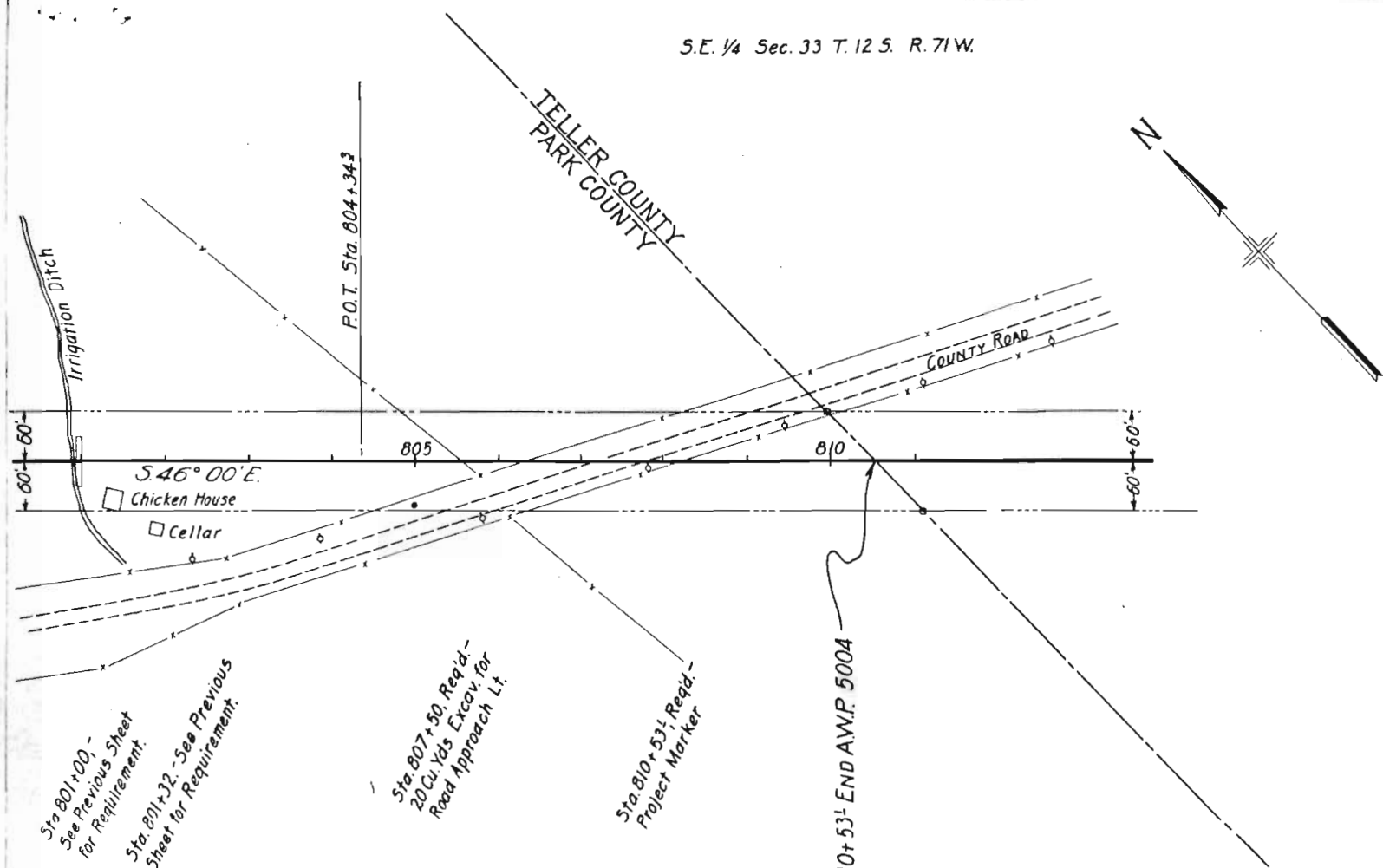
- Position referred to present structure
- Span - 3 @ 23'-0" Sts. P-117-BH-0
- Clear Roadway - 29'-0"
- Clear Waterway - 57'-0"
- Type of Superstructure - Treated Timber Asphalt Plank wearing surface
- Type of Substructure - Treated Timber Piling
- Detour structure requirements
- R.R. siding - Divide
- haul to bridge site - 131 mi.

NEARBY STRUCTURE ON SAME STREAM:

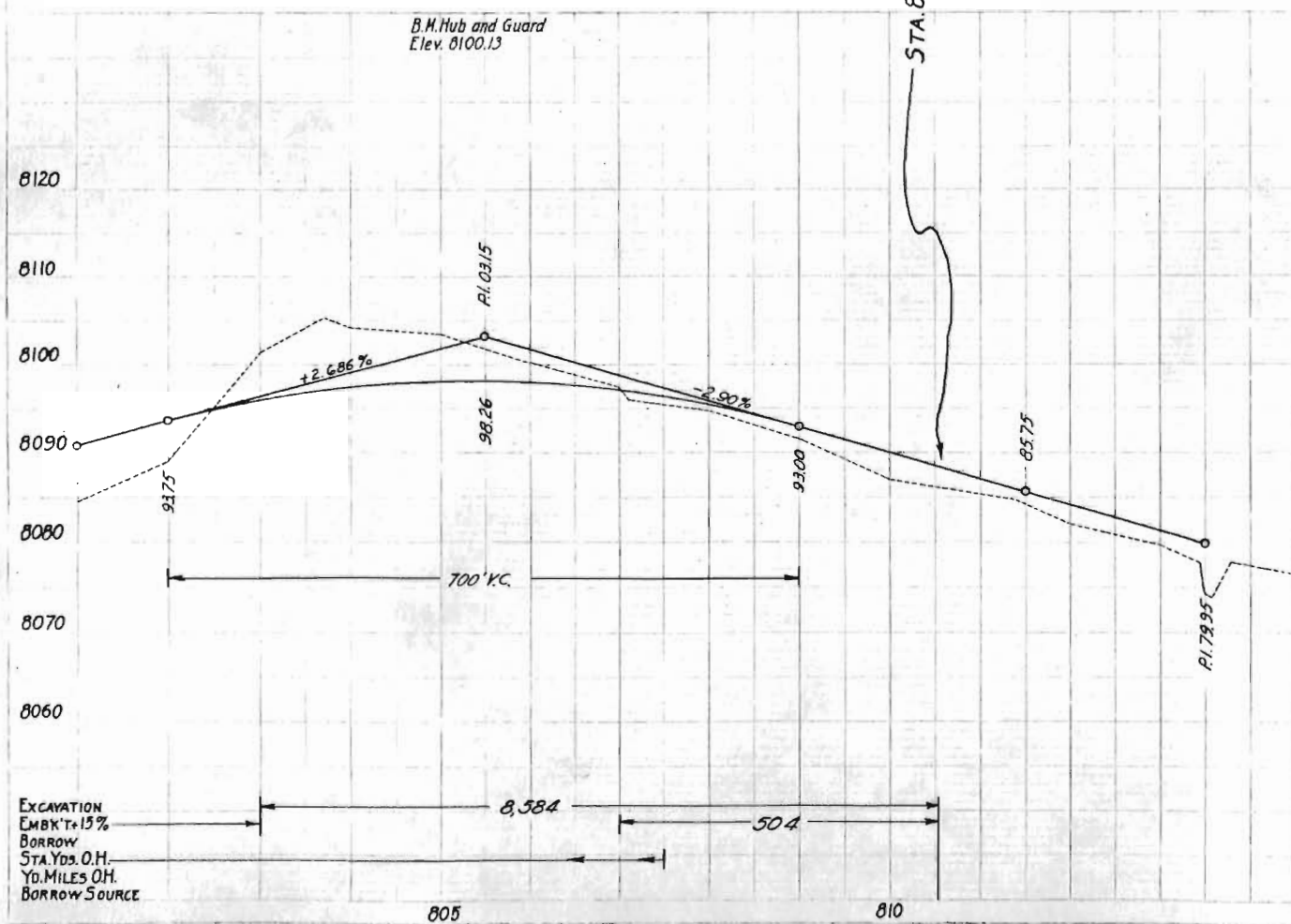
- Location - 300 ft. = 20' Pile Truss
- waterway - 46'
- Record during floods - insufficient

S.E. 1/4 Sec. 33 T.12 S. R.71 W.

FED. ROAD DIST. NO.	STATE	A.W. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	5004	21	



B.M. Hub and Guard
Elev. 8100.13



WOODLAND
U.S. GOVERNMENT
LAW

