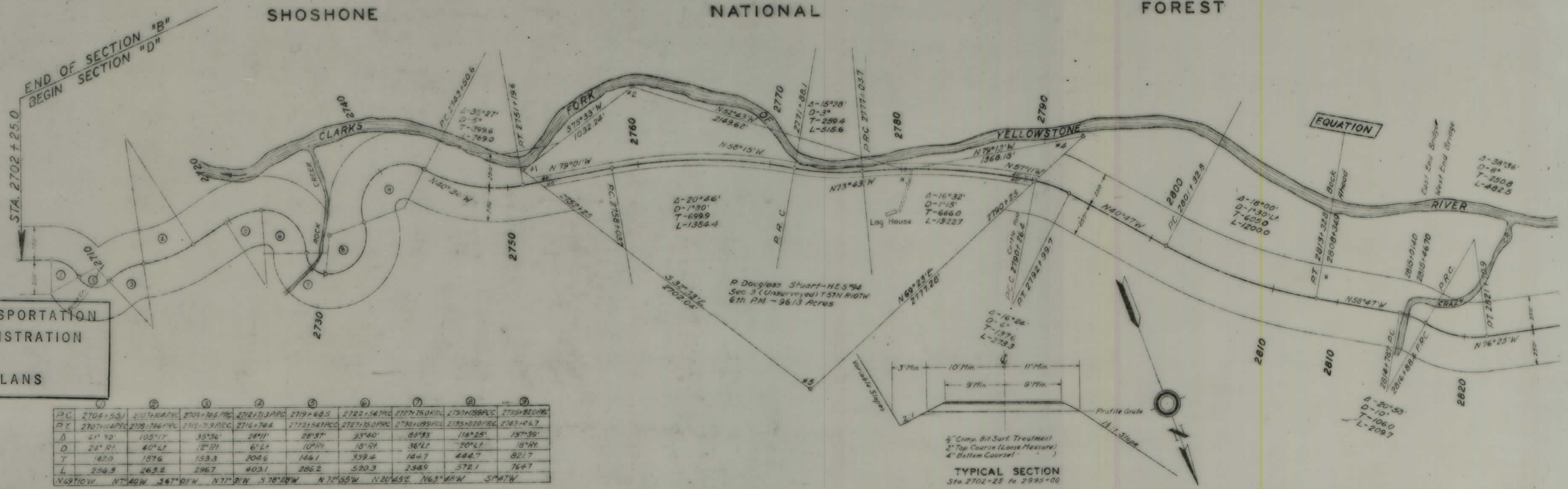
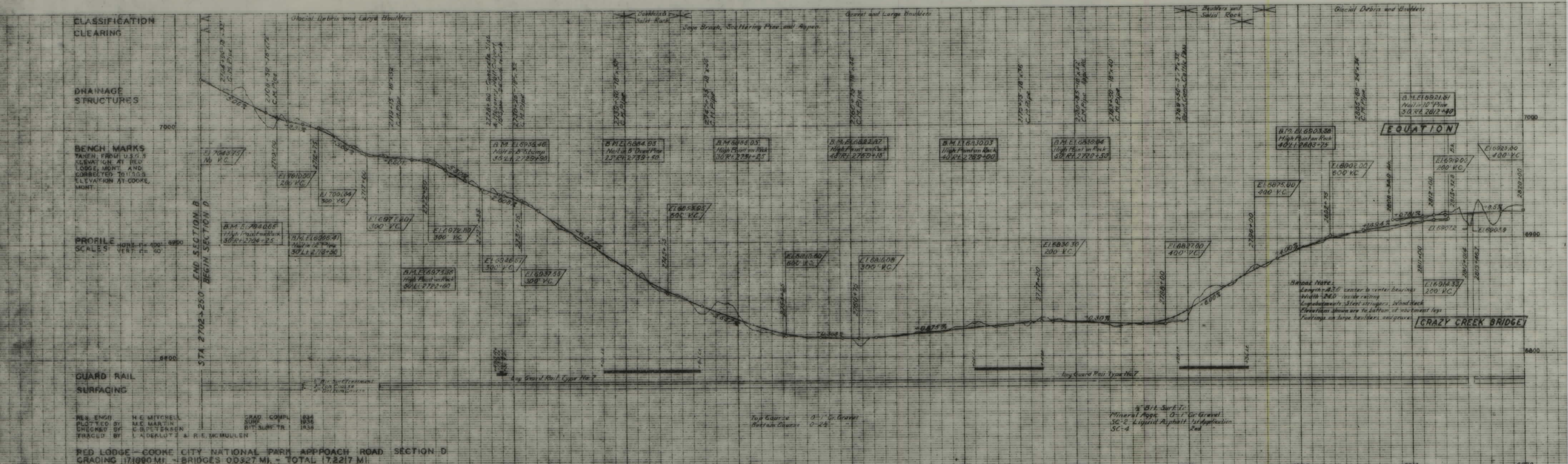


PLANS
NOT
TO
SCALE

U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 8
"AS CONSTRUCTED" PLANS



PC	2704+55.1	2707+140.0	2709+146.0	2712+173.0	2719+69.5	2722+54.7	2727+75.0	2730+109.0	2735+102.0	2743+46.7
PT	2707+140.0	2709+146.0	2712+173.0	2719+69.5	2722+54.7	2727+75.0	2730+109.0	2735+102.0	2743+46.7	2751+82.0
Δ	41° 30'	105° 17'	35° 36'	24° 11'	28° 37'	33° 40'	88° 33'	118° 25'	19° 39'	18° 39'
D	24° 30'	40° 41'	12° 31'	6° 41'	10° 31'	13° 40'	36° 41'	20° 41'	18° 39'	18° 39'
T	182.0	187.6	133.3	208.6	144.1	339.4	14.7	444.7	82.7	82.7
L	256.3	263.2	296.7	403.1	286.2	520.3	234.9	572.1	76.7	76.7
Δ	N 69° 10' W	N 71° 40' W	S 67° 03' W	N 77° 21' W	S 78° 24' W	N 72° 35' W	N 20° 45' E	N 63° 48' W	S 1° 47' W	S 1° 47' W

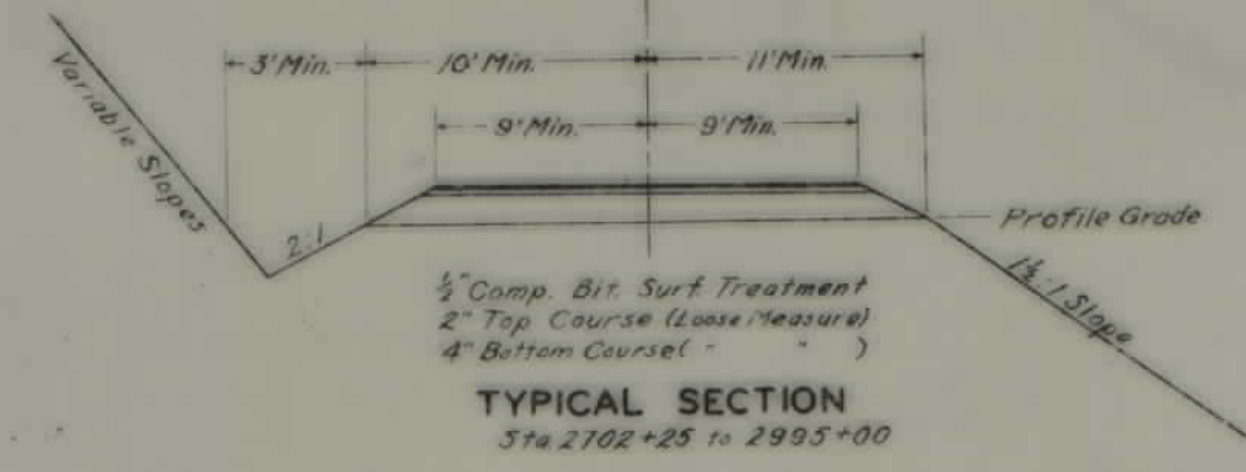
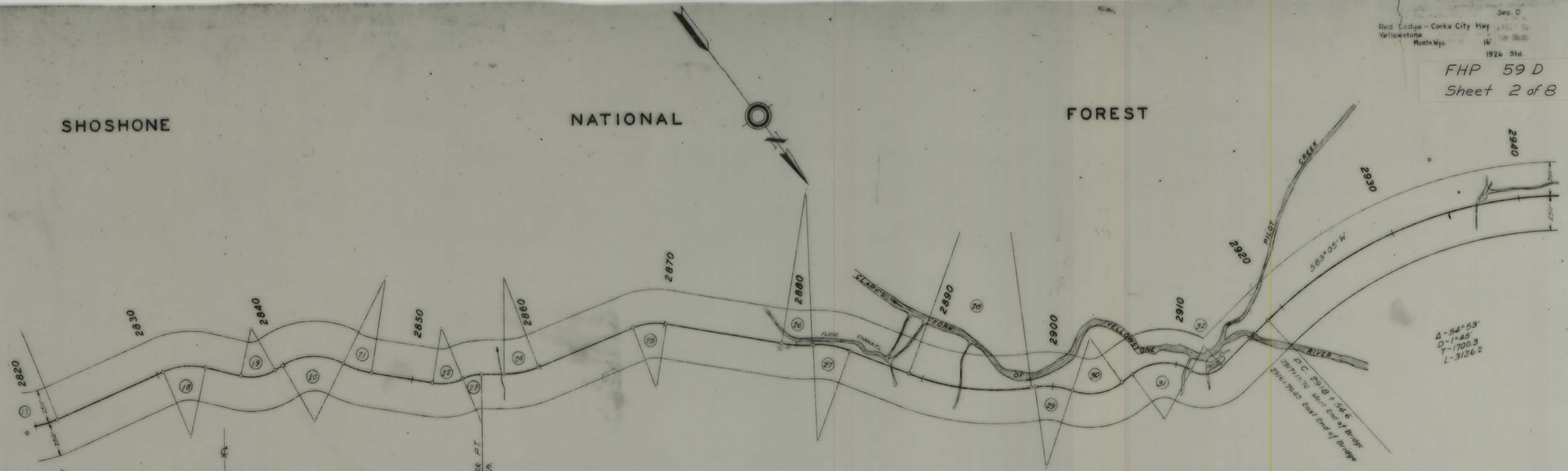


RED LODGE-COOKE CITY NATIONAL PARK APPROACH ROAD SECTION D
GRADING 171090 MI. - BRIDGES 00327 MI. - TOTAL 17217 MI.

SHOSHONE

NATIONAL

FOREST



EQUATION

	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
PC	2816+88.4 PRC	2830+45.2	2836+49.3	2839+85.9	2844+61.2 PRC	2851+55.4	2853+88.4 PRC	2857+16.9	2867+54.4	2878+19.9	2881+31.5	2888+94.8	2898+68.8	2901+52.1 PRC	2906+50.2	2911+83.3 PRC
PT	2821+70.9	2833+74.0	2839+16.9	2844+61.2 PRC	2846+86.4	2853+88.4 PRC	2855+34.3 PRC	2859+82.4	2870+10.9	2881+20.2	2884+15.4	2898+39.8	2901+52.1 PRC	2905+47.9	2911+83.3 PRC	2913+78.8
Δ	38°36'	36°10'	42°59'	57°02'	18°01'	32°37'	23°21'	21°15'	30°47'	11°25'	22°43'	26°21'	26°55'	55°25'	65°32'	72°57'
D	8°LT	11°RT	16°LT	12°RT	8°LT	14°LT	16°RT	8°LT	12°RT	5°LT	8°RT	3°LT	9°30°RT	14°LT	14°RT	28°LT
T	250.8	170.1	141.0	259.4	113.6	119.7	74.0	134.4	131.5	114.6	143.9	492.4	144.3	215.0	263.4	151.3
L	482.5	329.8	268.6	475.3	225.2	233.0	145.9	256.5	228.3	283.9	945.0	283.3	395.8	468.1	260.5	
BEARING	N37°49'W	N76°25'W	N40°15'W	N8°11'W	N26°12'W	N44°13'W	N76°50'W	N53°29'W	N78°54'W	N43°57'W	N53°22'W	N32°39'W	N61°00'W	N34°05'W	N89°30'W	N23°58'W

CLASSIFICATION
CLEARING

DRAINAGE
STRUCTURES

BENCH MARKS

PROFILE
SCALES
HORIZ. 1" = 400'
VERT. 1" = 40'

GUARD RAIL
SURFACING

RES. ENGR. H. MITCHELL
PLOTTER M. MARTIN
CHECKED BY C. PETERSON
TRAFFIC BY L. ABERNETHY & R. MC MULLEN

RED LODGE - COOKE CITY NATIONAL PARK APPROACH ROAD SECTION D
GRADING 17.090 MI. - BRIDGES 0.9327 MI. - TOTAL 17.217 MI.

Rock Ledge with occasional Large Boulders
Medium Stand of Pine and Spruce

EQUATION

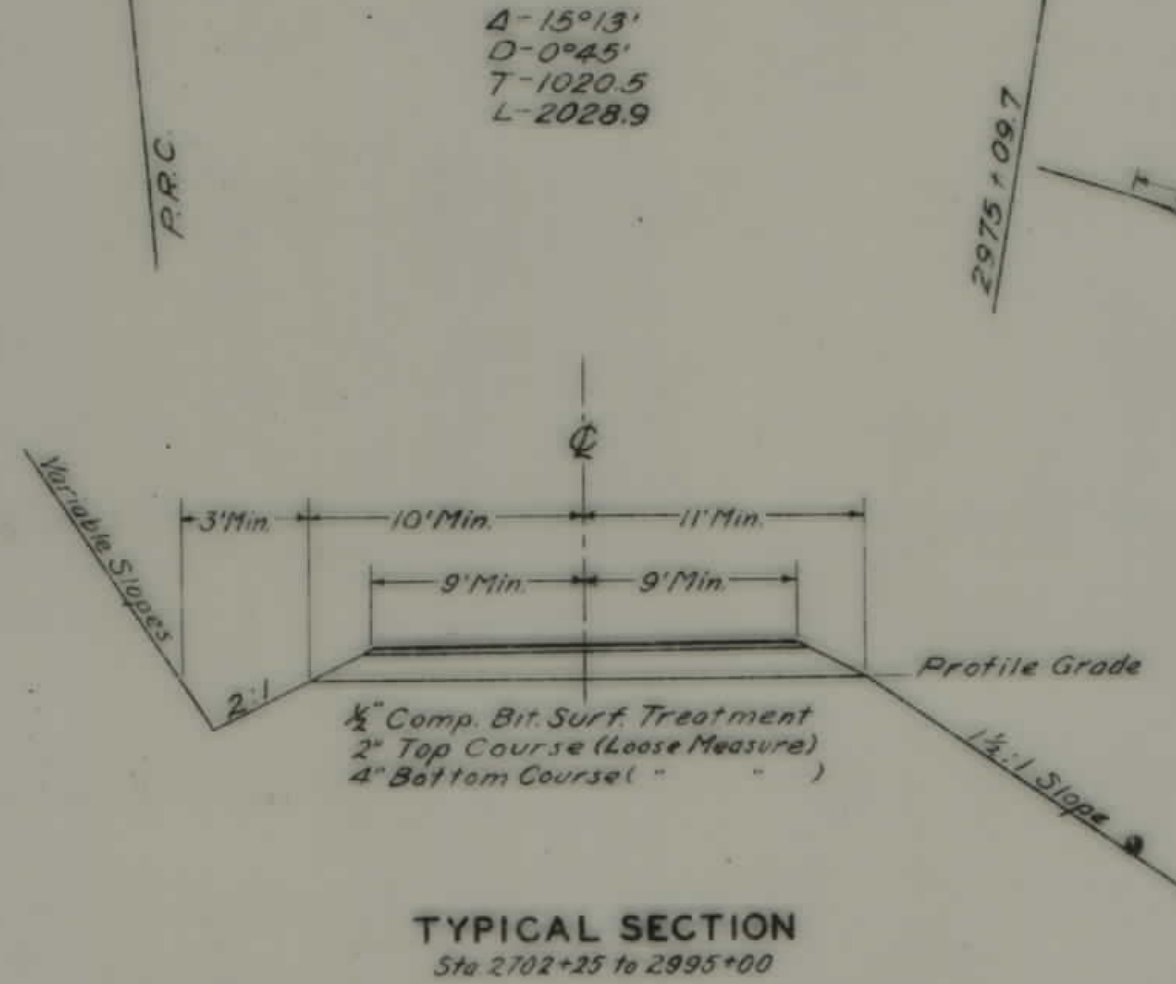
CLARK'S FORK RIVER BRIDGE

Length 480' center to center of abutments
Width 200' inside railings
Log abutments, Steel stringers, Wood deck
Elevations shown are to bottom of abutment logs
East footing on solid rock, West footing on gravel

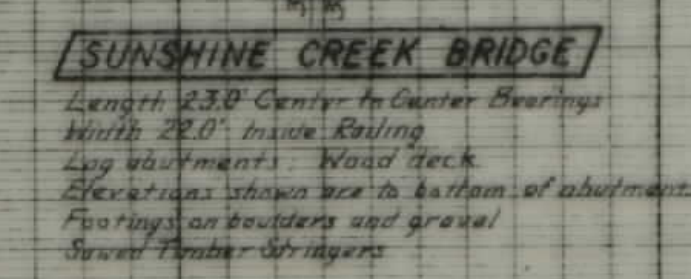
Top Course 1 1/2" Gravel
Barium Course 12-24 Gravel

1/2" Bit Surf. Tr.
Mineral Aggr. 0-1" Gravel
SC-2 Liquid Asphalt 1st Application
SC-4 2nd

FOREST



(41)	(42)	(43)	(44)	(45)	(46)	(47)	(48)	(49)	(50)
3009+807	3018+720	3027+174	3031+345	3034+583 PRC	3036+115 PRC	3040+197	3048+471	3054+265 PRC	3058+568
3012+59.5	3025+88.9	3025+99.1	3034+54.5 PRC	3036+115 PRC	3039+99.1	3045+92.8	3054+36.5 PRC	3057+43.5	3063+169.9 PRC
12°45'	12°23'	11°16'	83°59'	40°53'	40°16'	80°14'	174°1'	49°07'	73°37'
4°41'	3°21'	3°41'	26°41'	26°4'	14°41'	3°41'	76°41'	16°41'	
160.1	67.8	141.3	195.5	82.1	150.1	344.9	297.1	163.6	268.0
318.8	710.8	281.7	319.8	137.2	267.6	579.4	589.4	307.0	460.1
N41°27'W	N84°06'W	N72°50'W	N101°9'E	N30°34'W	N9°42'E	N70°32'W	N52°51'W	N3°44'W	



SHOSHONE

NATIONAL

FOREST

ABSAROKA

NATIONAL

FOREST



Sta 2945+00 to 3406+30																												
50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	
PC	3058+56.8	3063+69.0	3067+06.1	3068+64.0	3072+17.0	3075+50.3	3077+60.9	3079+49.9	3083+53.5	3095+61.2	3100+04.7	3102+26.6	3105+38.1	3108+68.7	3116+102.9	3118+147.0	3120+59.4	3124+06.9	3129+23.0	3131+06.9	3134+79.3	3139+114	3140+91.0	3142+76.3	3152+54.6	3159+24.4	3164+45.8	3168+61.9
PT	3063+69.0	3067+06.1	3068+64.0	3071+63.5	3075+50.3	3077+60.9	3079+49.9	3083+53.5	3093+18.3	3100+04.7	3102+26.6	3105+38.1	3108+68.7	3116+102.9	3118+147.0	3120+59.4	3124+06.9	3129+23.0	3131+06.9	3134+79.3	3137+16.9	3140+91.0	3142+76.3	3150+35.6	3156+09.8	3160+93.0	3165+43.0	3170+98.7
D	73°37'	38°55'	43°46'	42°09'	13°20'	75°43'	45°21'	26°14'	77°11'	70°58'	62°08'	93°27'	92°34'	52°51'	28°28'	29°33'	20°51'	15°29'	40°27'	56°11'	52°43'	29°42'	14°16'	38°01'	60°56'	47°13'	23°20'	23°41'
Δ	16°42'	10°09'	28°44'	14°09'	4°21'	36°01'	28°14'	30°01'	8°14'	16°01'	28°14'	30°01'	3°14'	28°14'	5°14'	6°01'	8°01'	5°14'	22°01'	22°01'	22°01'	22°01'	10°14'	28°01'	24°01'	24°01'	10°14'	
T	268.0	202.4	82.2	157.7	167.5	123.9	99.7	205.4	571.6	255.3	123.3	202.9	214.0	118.9	138.0	94.5	175.7	259.6	95.9	169.9	129.1	95.0	89.6	394.8	240.8	89.4	45.3	120.1
L	460.1	389.2	156.3	301.1	333.3	210.6	189.0	403.6	964.8	443.5	221.9	311.5	330.6	220.6	271.8	186.7	347.5	516.1	183.9	312.1	239.6	185.6	178.3	760.3	435.2	168.6	97.2	236.8
N39°44'W N77°21'W N38°26'W N82°12'W N40°03'W N53°23'W N22°25'E N22°56'W N34°18'E N73°53'W N2°55'W N65°03'W N28°24'E N64°10'W N11°13'W N13°15'E N16°18'W N4°33'E N10°15'W N29°31'E N26°40'W N26°03'E N3°39'W N10°37'E N27°24'W N88°20'W N41°07'W N17°47'W																												

CLASSIFICATION
CLEARING

DRAINAGE
STRUCTURES

BENCH MARKS

PROFILE
SCALES

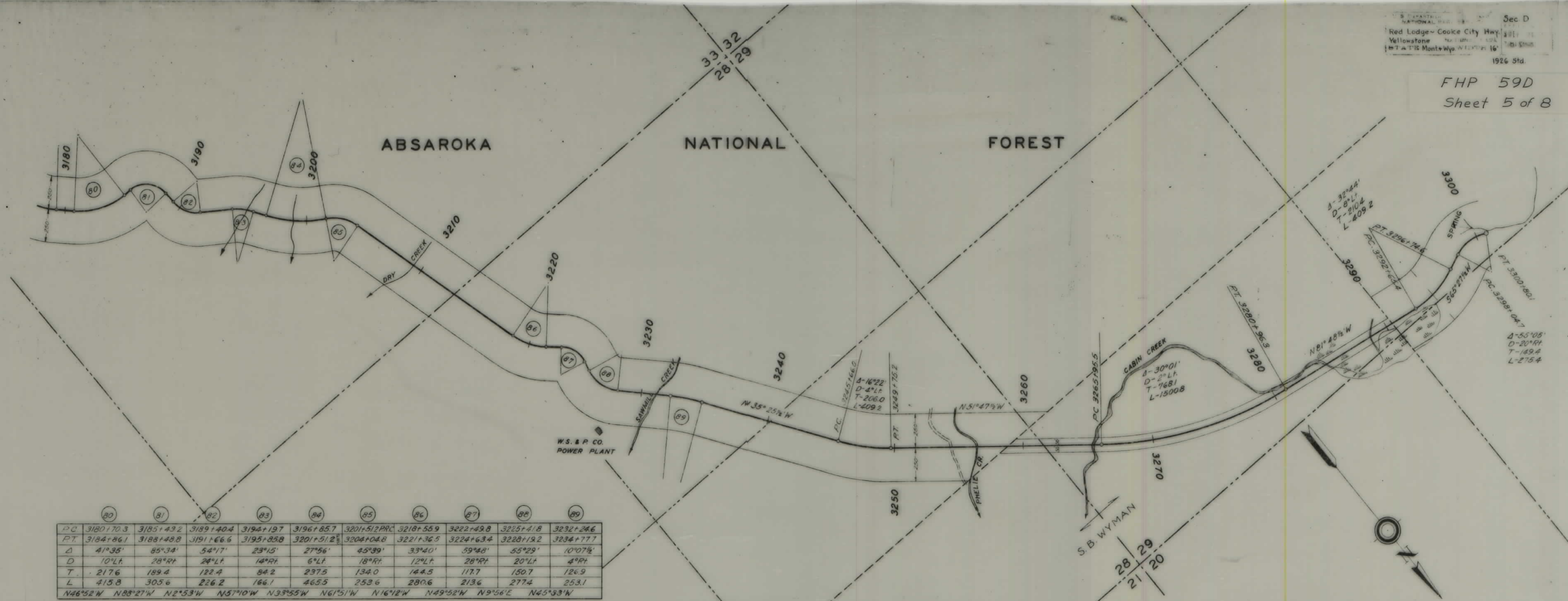
GUARD RAIL
SURFACING

RES. ENGR. H. E. MITCHELL
PLOTTER BY M. E. MARTIN
CHECKED BY C. R. PETERSEN
TRACED BY L. A. DEMLDT & R. E. MULLEN

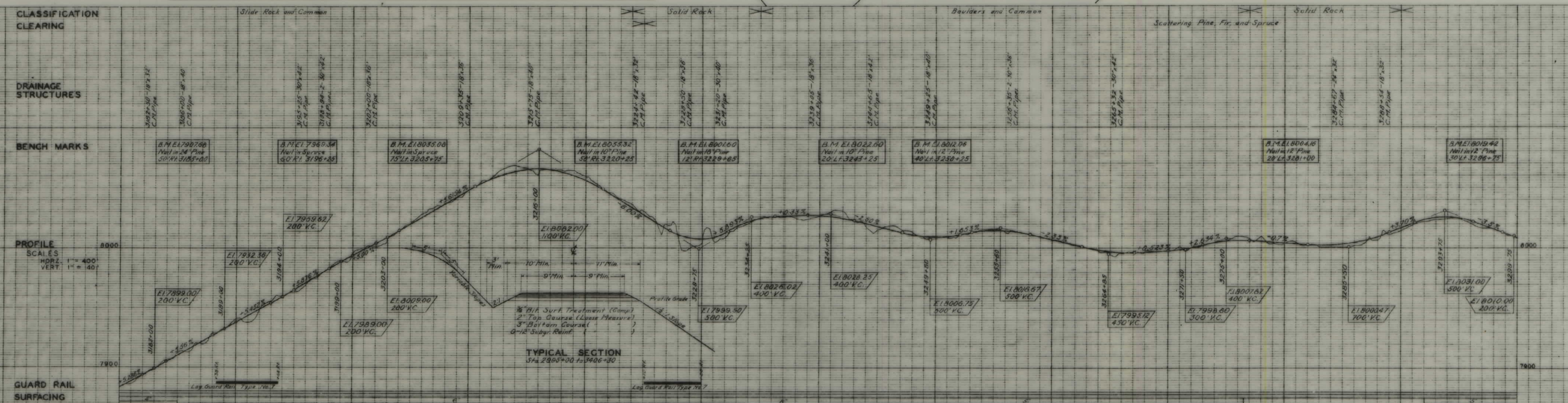
RED LODGE-COOKE CITY NATIONAL PARK APPROACH ROAD SECTION D
GRADING 17.1890 MI. - BRIDGES 0.0327 MI. - TOTAL 17.2217 MI.

Top Course 0-1/2" Cr. Gravel
Bottom Course 0-1/2" Cr. Gravel
Subgrade 0-3"

1/2" Bit Surf Tr.
Mineral Asphalt 0-3/4" Gravel
SC-2 Liquid Asphalt 1st Application
SC-A 2nd



	80	81	82	83	84	85	86	87	88	89
P.C.	3180+70.3	3185+43.2	3189+40.4	3194+19.7	3196+85.7	3201+51.2 PRC	3218+55.9	3222+49.8	3225+41.8	3232+24.6
P.T.	3184+86.1	3188+48.8	3191+66.6	3195+85.8	3201+51.2	3204+04.8	3221+36.5	3224+63.4	3228+13.2	3234+77.7
Δ	41°35'	85°34'	54°17'	23°15'	27°56'	45°39'	33°40'	59°48'	55°29'	10°07%
D	10°41'	28°41'	24°41'	14°41'	6°41'	18°41'	12°41'	28°41'	20°41'	4°41'
T	217.6	189.4	122.4	84.2	237.5	134.0	144.5	117.7	150.7	126.9
L	415.8	305.6	226.2	166.1	465.5	253.6	280.6	213.6	277.4	253.1
N46°52'W N88°27'W N2°53'W N57°10'W N38°55'W N61°51'W N16°12'W N49°52'W N9°56'E N45°33'W										



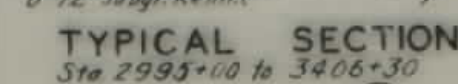
RES. ENGR. H. MITCHELL
PLOTTER BY M. MARTIN
CHECKED BY C. PETERSEN
TRACED BY L. A. DE KLOTZ & R. MC MULLEN

GRAD. COMPL. 1934
SURF. BIT TR 1936

1/2" Bituminous Surf. Treatment
Mineral Aggr. 0-1/2" Gr. Gravel
3" Bit. Form Course 1st Application
3" 1/2" Subgr. Reinf. 2nd Application

RED LODGE-COOKE CITY NATIONAL PARK APPROACH ROAD SECTION D
GRADING - 17,1890 MI. - BRIDGES 0.0327 MI. - TOTAL 17,2217 MI.

Top Course 0-1/2" G. Gravel
Bottom Course 0-1/2" Gr. Rock & Gravel
Subgr. Reinf. 0-3"



N13°14'N S43°05'W S3°00'W N25°41'W S75°53'W N66°22'W S56°01'W S82°11'W S66°44'W S37°01'W S80°50'W S87°36'W S74°16'W S52°00'W S70°25'W



RED LODGE - GOOKE CITY NATIONAL PARK APPROACH ROAD SECTION D
GRADING - 17.190 MI + BRIDGES 0.0327 + TOTAL 17.2217 MI.

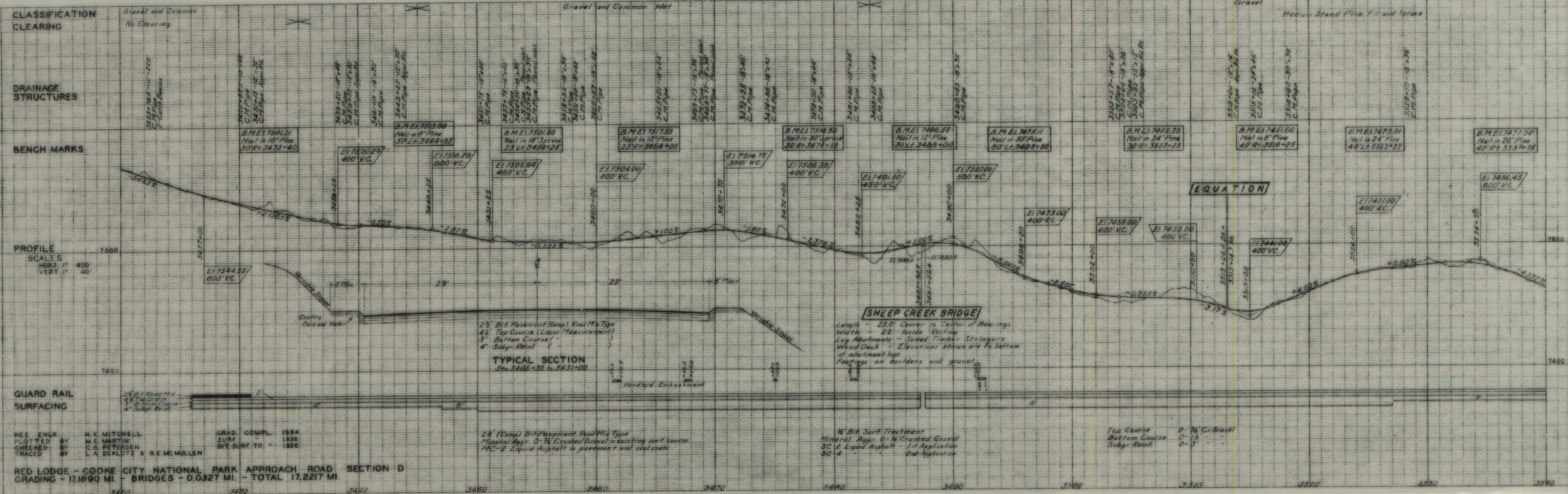
Top Course	0-2" Cr Gravel	Mineral Aggr	0-2" Cr Gravel
Bottom Course	1-1 1/2"	SG-2	Liquid Asphalt - 1st Application
Subbase	0-3"	SG-4	2nd



ABSAROKA

TYPICAL SECTION
Sta. 3431+00 to 3510+90.6

EQUATION



EQUATION

SHEEP CREEK BRIDGE

TYPICAL SECTION
Sta. 3466+30 to 3481+00

RES. ENGR. H. E. MITCHELL
PLOTTER. M. E. MARTIN
CHECKED BY. C. B. PETERSEN
TRACED BY. L. A. DEKIDTZ & R. E. McMULLEN

GRAD. COMRL. 1934
SURF. 1930
BIT SURF. TR. 1936

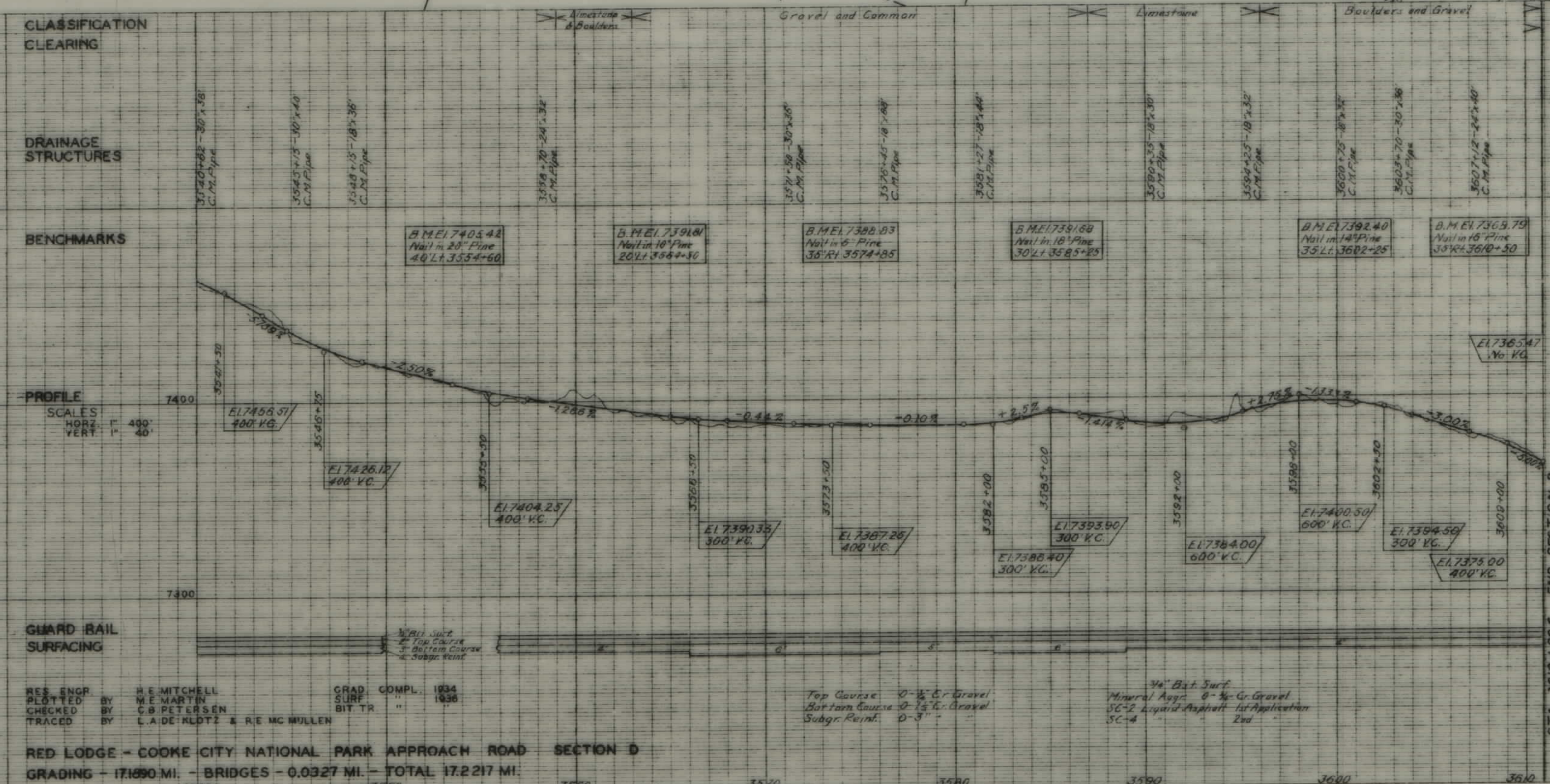
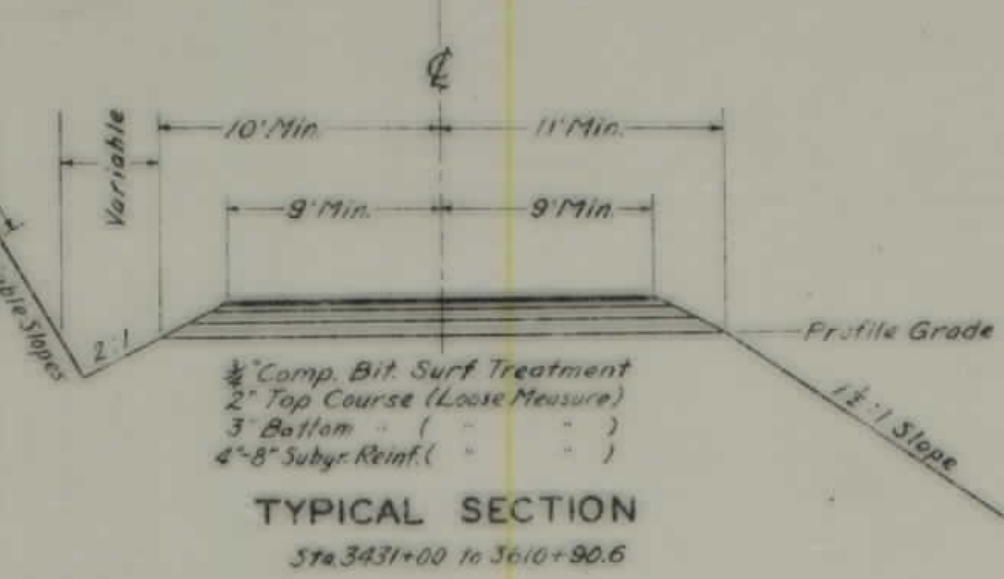
2 1/2" Bit Surf. Treatment
Mineral Aggr. 0-3/4" Graded
5C-12 Liquid Asphalt - 1 1/2" Application
5C-4

2 1/2" Bit Surf. Treatment
Mineral Aggr. 0-3/4" Graded
5C-12 Liquid Asphalt - 1 1/2" Application
5C-4

Top Course 0-3/4" Gr. Gravel
Bottom Course 0-1 1/2"
Subgr. Reinf. 0-3"

RED LODGE - COOKE CITY NATIONAL PARK APPROACH ROAD SECTION D
GRADING - 17.1890 MI. - BRIDGES - 0.0327 MI. - TOTAL 17.2217 MI.

U. S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 8
"AS CONSTRUCTED" PLANS



STA 3610+00 END SECTION D

RES. ENGR. H. E. MITCHELL
PLOTTER M. E. MARTIN
CHECKED BY C. B. PETERSEN
TRACED BY L. A. DE KLOETZ & R. E. MC MULLEN

GRAD. COMPL. 1934
SURF. BIT TR. 1936

Top Course 0-2 Gr. Gravel
Bottom Course 0-2 Gr. Gravel
Subgr. Reinf. D-3

3/4" Bit. Surf.
Mineral Aggr. 4-8 Gr. Gravel
SC-2 Liquid Asphalt - 1st Application
SC-4 2nd

RED LODGE - COOKE CITY NATIONAL PARK APPROACH ROAD SECTION D
GRADING - 17.1990 MI. - BRIDGES - 0.0327 MI. - TOTAL 17.2317 MI.