

PLANS
NOT
TO
SCALE

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STATE OF MONTANA STATE HIGHWAY COMMISSION

FED. ROAD DIST. NO. 1 STATE MONT. FED. AID PROJ. NO. 219-C
 PLANS COMPLETED March 28, 1931

203

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. 219 C FED. LANDS HWY. PROJ. NO. 2 MISSOULA-ARLEE HWY. MISSOULA COUNTY.

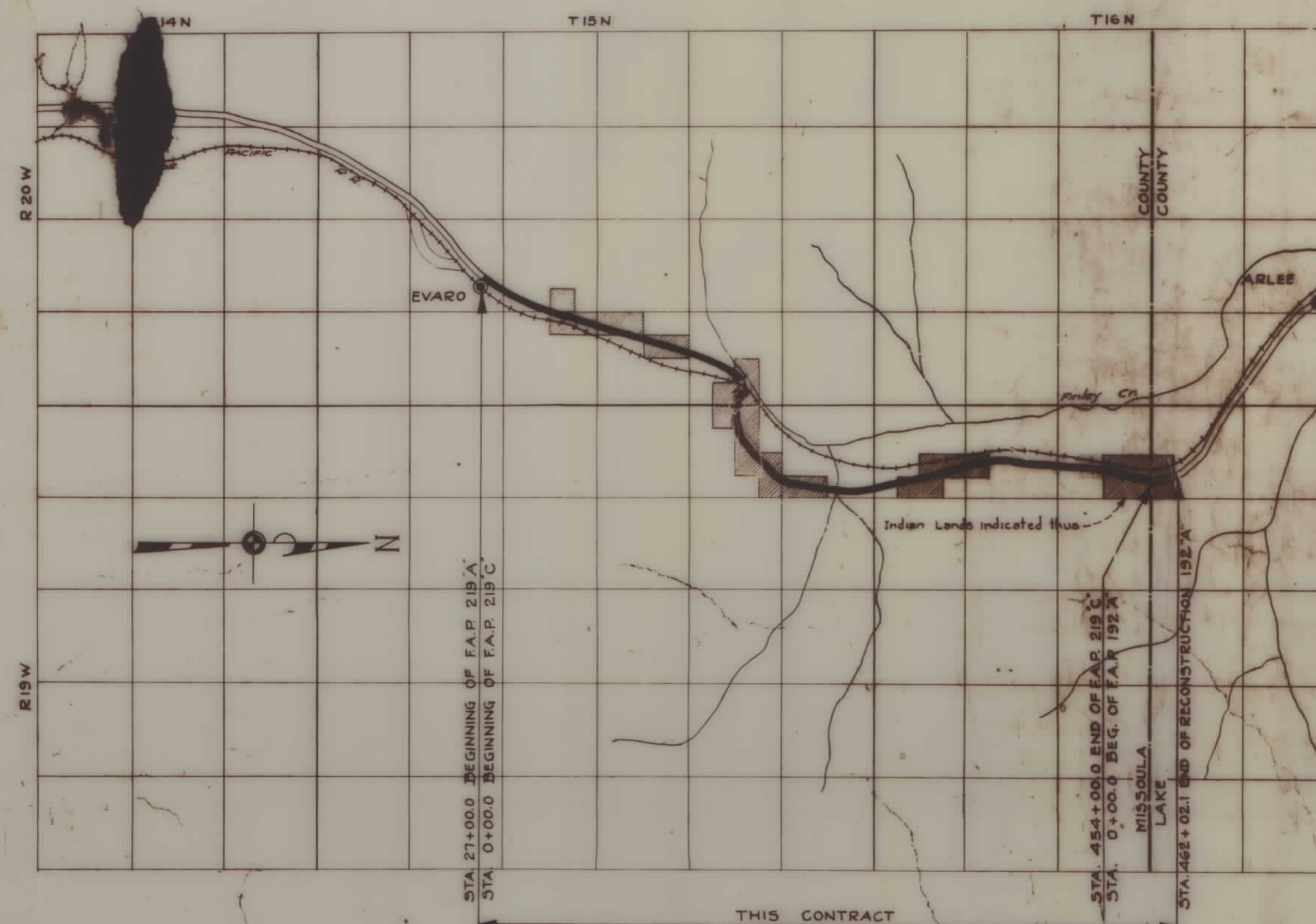
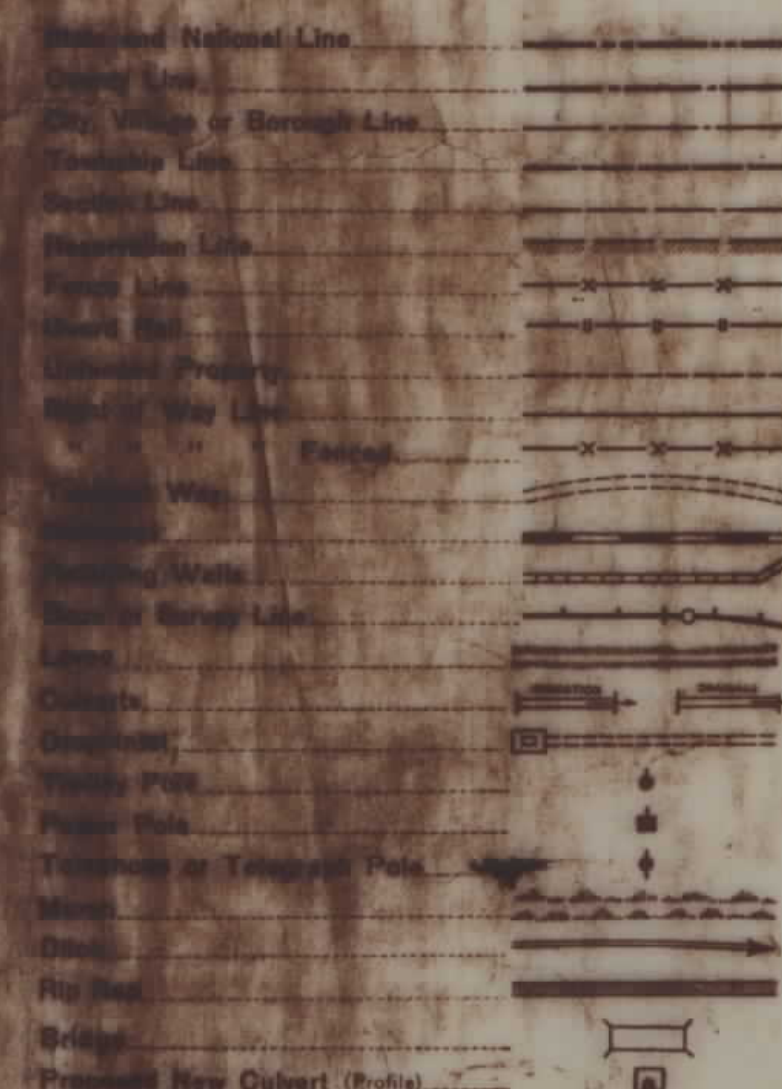
LENGTH F.A.P. 219C 3.718 MILES
 F.L.P. 2 4.882 MILES

SCALES

HORIZONTAL: 1 Inch = 200 Feet
 VERTICAL: 1 Inch = 20 Feet
 CROSS SECTIONS-HOR. & VERT.: 1 Inch = 10 Feet



CONVENTIONAL SIGNS



APPROVED

SUMMARY

F.A.P. 219-C
LENGTH OF ROADWAY 19508.4 FEET = 3.695 MILES.
LENGTH OF NON PARTICIPATING BRIDGES 0.0 " = 0.000 "
LENGTH OF PARTICIPATING BRIDGES 125.2 " = 0.023 "
TOTAL LENGTH OF F.A.P. 219-C 19633.6 " = 3.718 "

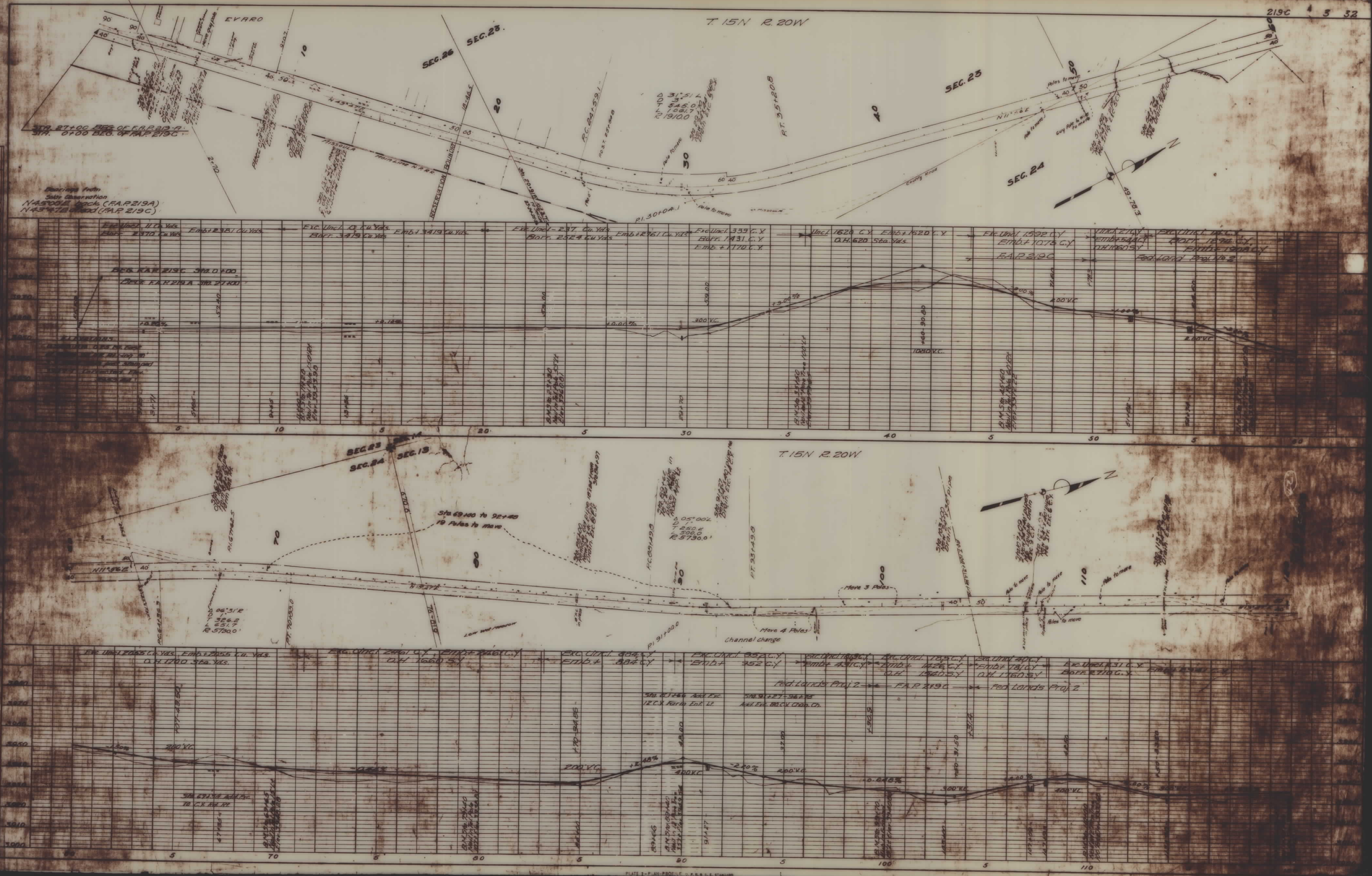
F.L.P. 2
LENGTH OF ROADWAY 25779.4 FEET = 4.882 MILES
NO BRIDGES

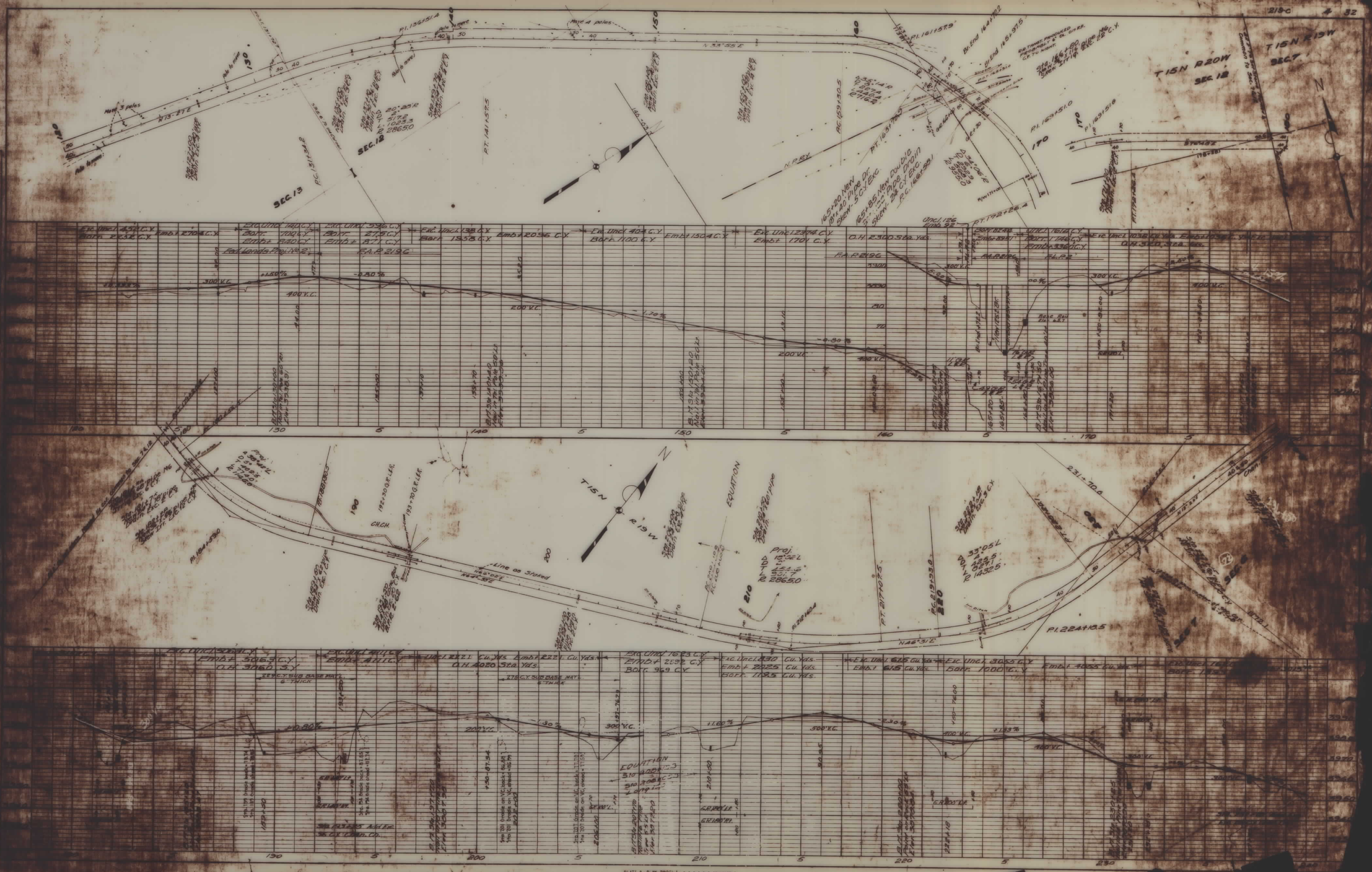
NOTES

- GRADES** - For relation of subgrade to profile grades shown on plans see Typical Section.
BORROW - Borrow pits or source of borrow to be designated by the Engineer.
OVERHAUL - Free haul 500 feet.
EMBANKMENT - Quantities shown on plans include shrinkage.
SHRINKAGE - A variable shrinkage factor was used, 0 to 100 cu. yds. per station 20%; 100 to 200 cu. yds. per station 15%; 200 to 500 cu. yds. per station 10%; over 500 cu. yds. per station 5%.
PROTECTIONS - Protections will be checked in the field with reference to the staked or located line.
SUPERELEVATIONS - All curves will be super-elevated.
WIDENING - All curves of 6° or over will be widened.
GUARD RAIL - Standard guard rail will be placed on all dangerous curves and fills, as designated by the Engineer.

SURFACING

STATION		LENGTH IN FEET		ADD	DED.	FOR	C.Y. SURFACING		C.Y. SUB-BASE
FROM	TO	GRQSS	NET				BASE	TOP	
0+00	49+78.3	4978.3	4978.3				1109	1106	
137+74.9	165+97.4	2800.2	2800.2				711	711	
164+74.0	166+54.0	233.0	107.8				24	24	
164+72.0	165+97.4				125.2	Bridge			
208+00	209+62.0	4083.0	4083.0				907	907	
334+31.4	337+30.0	663.6	663.6				1475	1475	
TOTAL		19633.6	19508.4				4414	4414	







DATE: 10/1/10
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