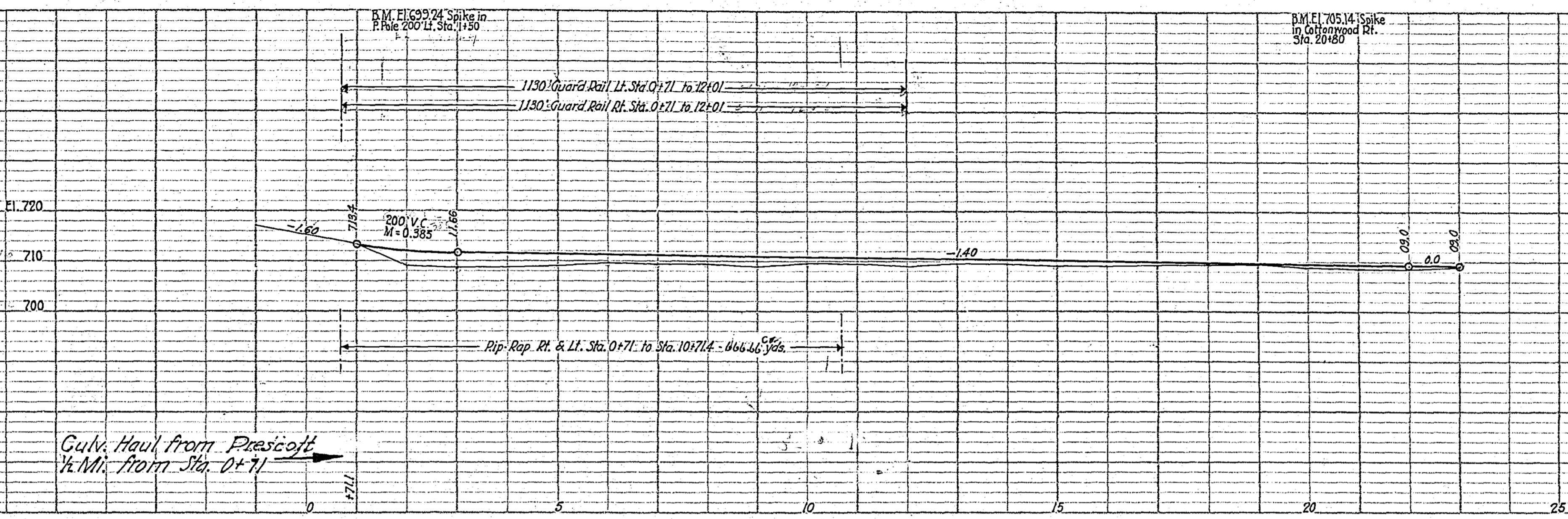
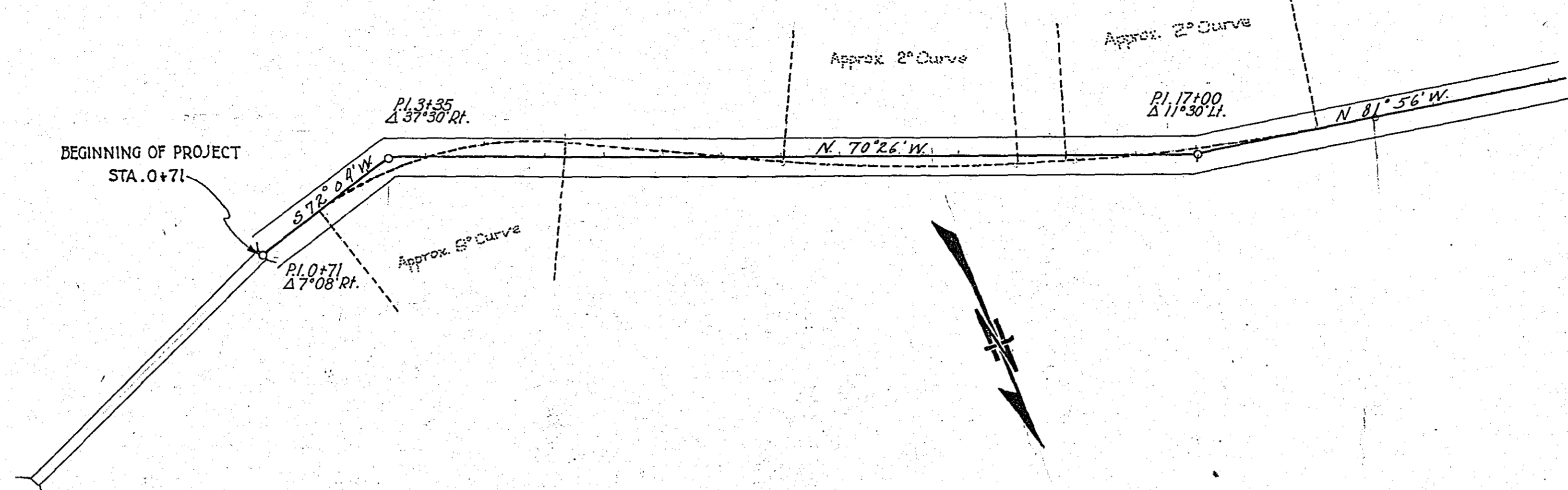


SURVEYED
 ALIGNMENT CHECKED
 RT. OF WAY CHECKED
 BY _____ DATE _____
 PLAN
 NOTE BOOK NO. _____
 STRUCTURE NO. _____

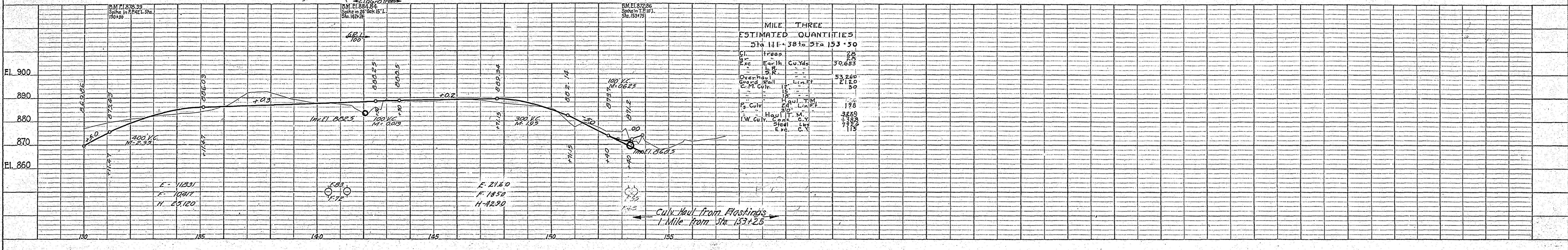
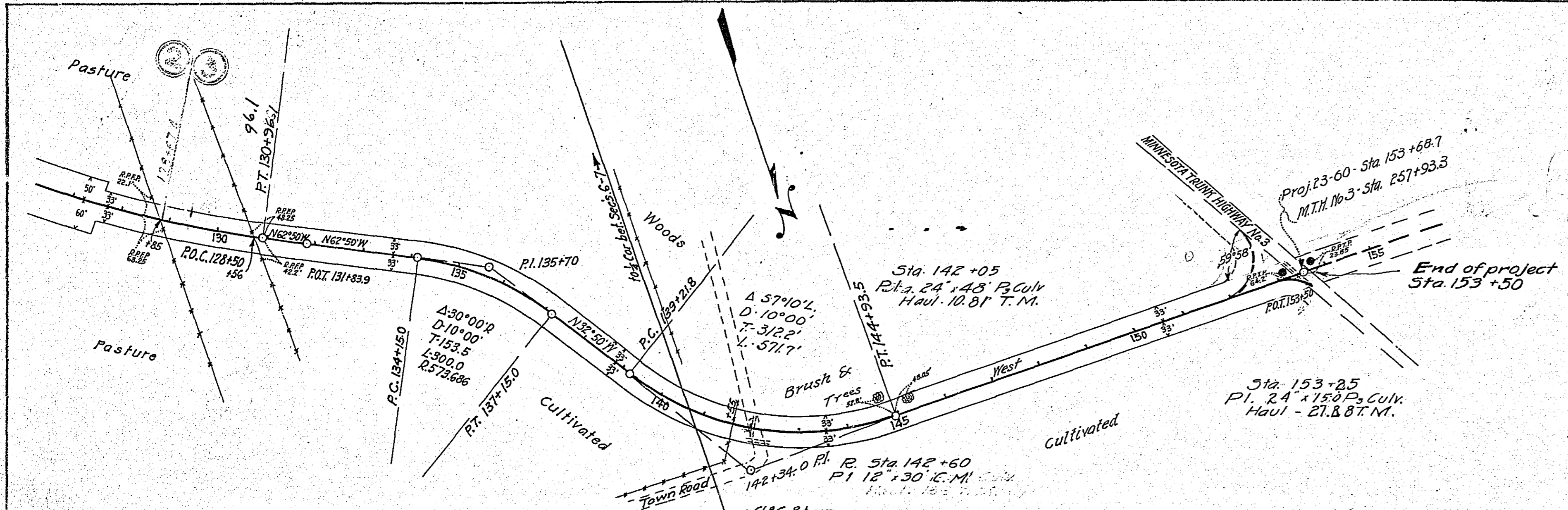
SURVEYED
 GRADES CHECKED
 B.M. & NOTED
 STRUCTURE NOTED AS CHECKED
 BY _____ DATE _____
 PROFILE
 NOTE BOOK NO. _____
 STRUCTURE NO. _____



33.

3805

PLATE 2 - FULL PROFILE OF P. R. & S. ST. 1
 KELFEL & ESSER CO. NEW YORK



MILE THREE
ESTIMATED QUANTITIES
Sta. 141+38 to Sta. 153+50

Cl. Fress	28
Exc. Earth	30,653
Exc. S.R.	
Overhaul	53,260
Gravel	21,200
Culv. Haul	50
Exc. Culv.	198
Exc. Haul	3,880
Exc. Gen. C.Y.	1,380
Exc. S.R.	7,820
Exc. C.Y.	115

PLAN
SURVEYED BY _____ DATE _____
NOTE BOOK NO. _____
ALIGNMENT CHECKED BY _____
RT. OF WAY CHECKED BY _____

PROFILE
SURVEYED BY _____ DATE _____
NOTE BOOK NO. _____
GRADES CHECKED BY _____
S.M.E. NOTED BY _____
STRUCTURE NOTATIONS BY _____

3805

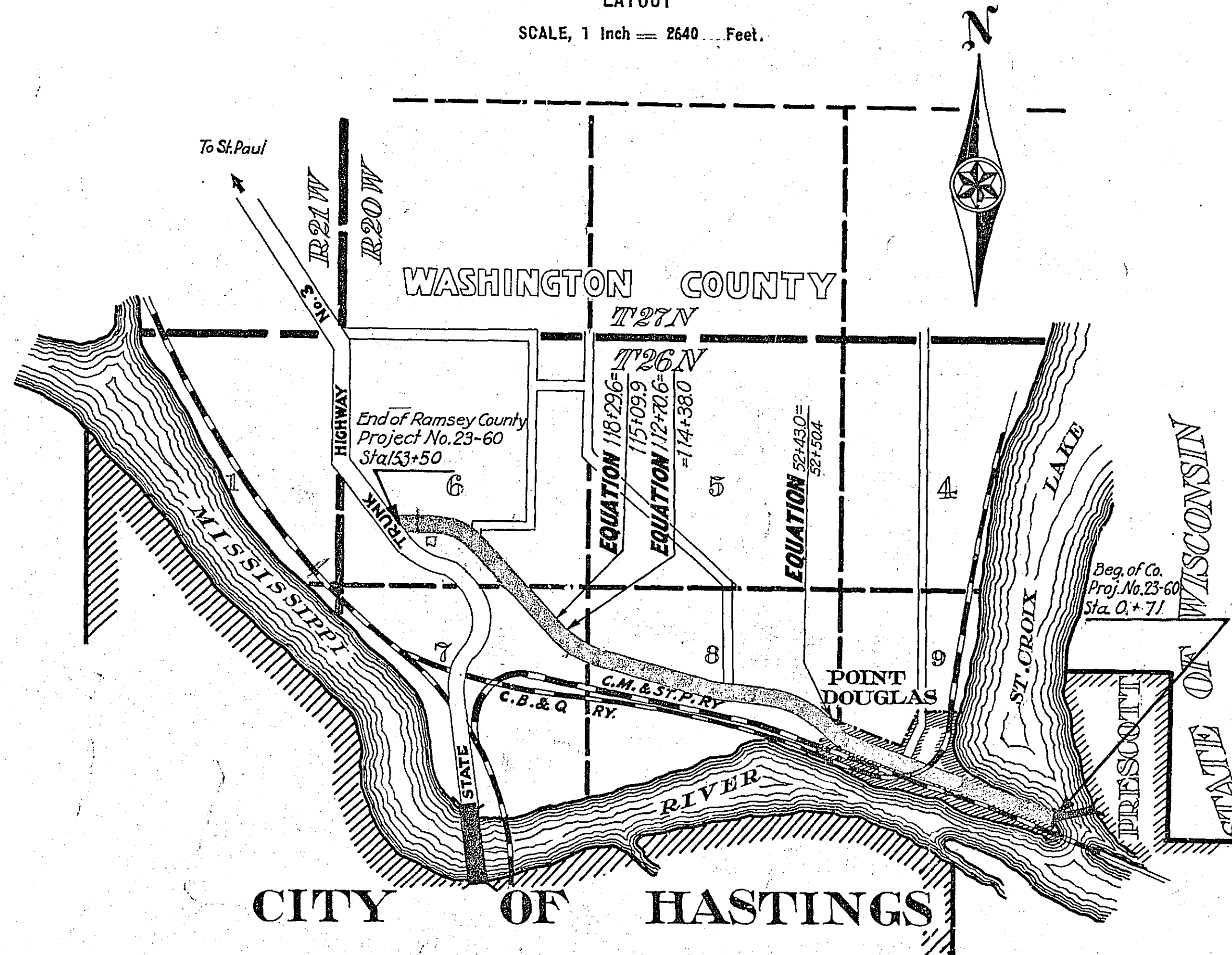
CONVENTIONAL SIGNS & ABBREVIATIONS

STATE LINE	-----	EXCAVATION	.....	E
COUNTY LINE	-----	EMBANKMENT	-----	F
TOWNSHIP LINE	-----	OVERHAUL	-----	H
SECTION LINE	-----	SURFACING	-----	S
CITY, VILLAGE, OR BOROUGH	-----	GUARD RAIL	-----	GR
FENCE LINE	-----	INTERSECTION ANGLE	.....	A
RIGHT-OF-WAY LINE	-----	RADIUS	.....	R
TRAVELLED WAY	-----	ELEVATION	.....	E1
RAILROADS	-----	VERTICAL CURVE	.....	VC
RETAINING WALL	-----	BERCH MARK	.....	B.M.
BASE OR SURVEY LINE	-----	SECTIONAL CONCRETE CULVERT	.....	P1
LEVEE	-----	CORRUGATED METAL CULVERT	.....	C.M.
GRAVEL PIT	⊙	CULVERT HAUL	.....	P.H.
SAND PIT	⊙	TON MILES	.....	T.M.
CLAY PIT	⊙	PLACE	.....	P
ROCK QUARRY	⊙	IN PLACE	.....	Imp
CULVERTS	-----	REPLACE	.....	Rep
PLAIN	-----	RIGHT	.....	R
With FACEWALLS	-----	LEFT	.....	L
With WINGWALLS	-----	HAND DITCHING	.....	H.D.
DROP INLET	⊠	POINT OF CURVE	.....	P.C.
POWER POLE LINE	-----	POINT OF TANGENT	.....	P.T.
TELEPHONE OR TELEGRAPH LINE	-----	POINT OF INTERSECTION	.....	P.I.
MARSH	-----	SPECIAL EXCAVATION	.....	S.E.
HEDGE, BRUSH, OR TIMBER	-----	SPECIAL FLOWING	.....	S.P.
GROUND ELEVATION	.....	TELEPHONE POLE	.....	Tel.P.
GRADE ELEVATION	.....		

OFFICE OF COUNTY ENGINEER
 RAMSEY COUNTY
 Plan and Profile of County Project No. 23-60
 a pt. 660' N. & 1716' W. of 1/4 Cor. Secs. 9-16 a pt. 1275' N. & 1270' W. of 1/4 Cor. 10 Secs.
 From T26N-R20W To 6-7 T26N-R20W

GROSS LENGTH-15,423.86 FEET 2.92 MILES
 LENGTH OF EXCEPTIONS- 0 FEET 0 MILES
 NET LENGTH-15,423.86 FEET 2.92 MILES
 PLAN, 1 Inch = 200 Feet
 PROFILE, Horz. 1 Inch = 200 Feet. Vert. 1 Inch = 20 Feet
 WORKING PLANS { Horz. 1 Inch = 100 Feet
 { Vert. 1 Inch = 10 Feet
 Cross-Sections, 1 Inch = 10 Feet

LAYOUT
 SCALE, 1 Inch = 2640 Feet.



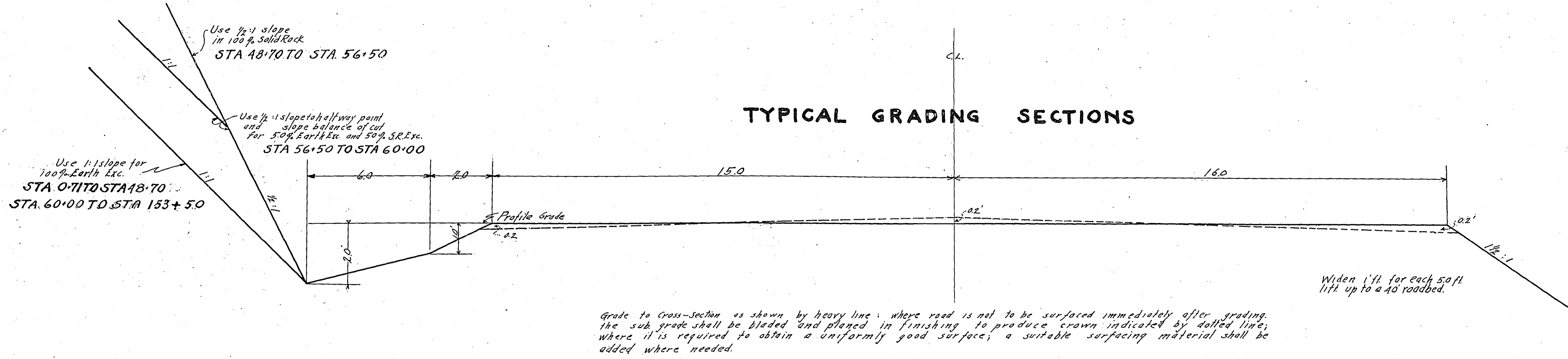
INDEX OF SHEETS

Sheet No. 1. Title Sheet and Layout Map
 " No. 2. Typical Cross-Sections and Statement
 " No. 3. Plan and Profile, Sta. 0+71 to Sta. 23+00
 " No. 4. " " " 23+00 to Sta. 130+00
 " No. 5. " " " 130+00 to Sta. 153+50
 " No. 6. Burris Street Connection
 " No. 7 to 23 (Incl.) Cross Sections

3-10-24
 E. (23-60)

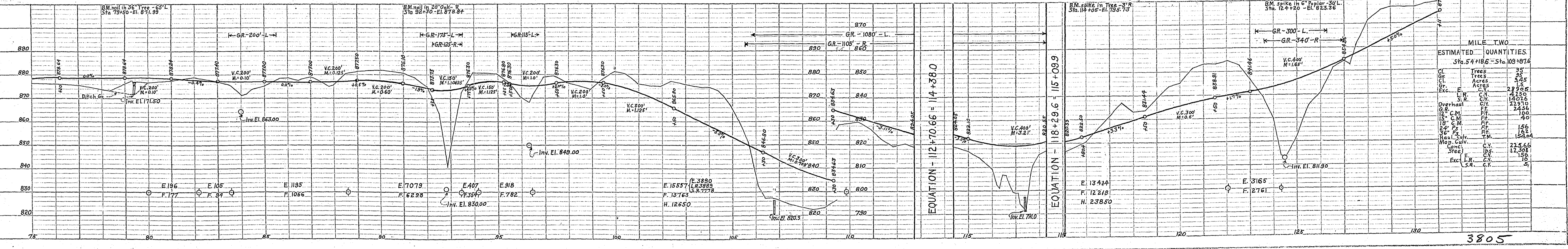
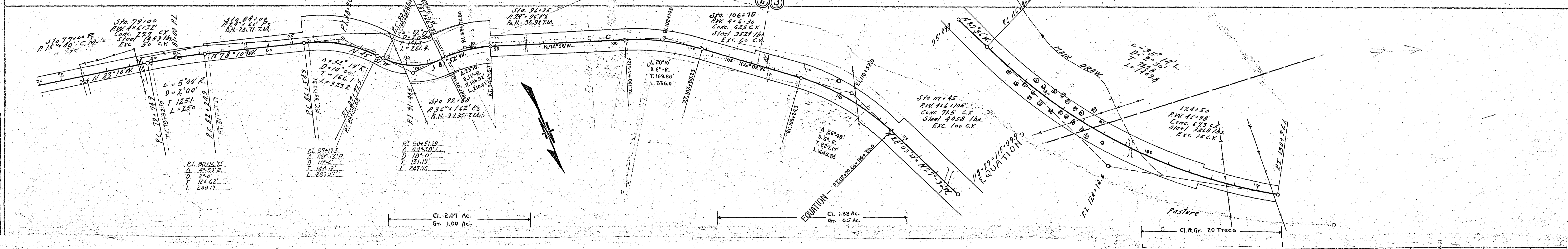
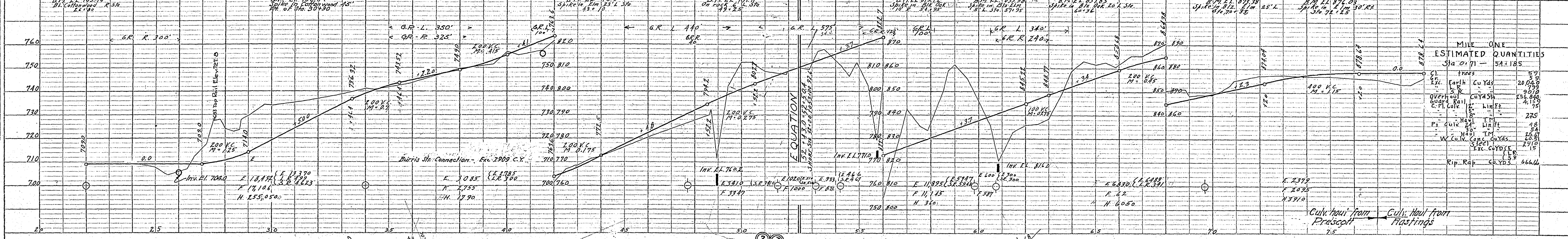
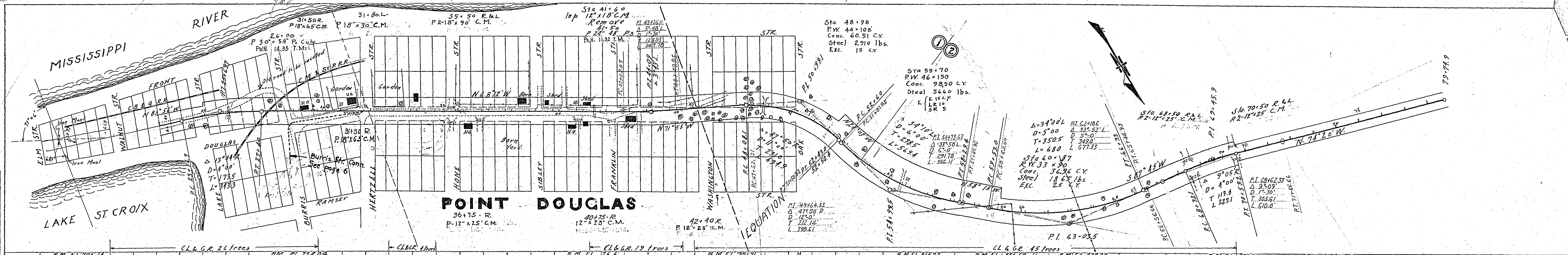
Date of Resolution for Preparation of Plans Jan 19 1923
 Planned by R. J. Hoffmann DESIGNING HIGHWAY ENGINEER
 Recommended for Approval E. J. Ripp CONSTRUCTION ENGINEER
 Plans Approved and Recommended for Consideration Paul J. Coates COUNTY ENGINEER
 Approved by County Board _____ 19 _____ CHAIRMAN OF COUNTY BOARD

TYPICAL CROSS-SECTIONS AND DETAILS.



STATEMENT OF ESTIMATED QUANTITIES AND COSTS.

SHEET NO.	STATION TO STATION	CLEARING GRUBBING			EXCAVATION CU. YDS.					GRADING ITEMS				RIP RAP CU. YDS.	TILE DRAIN LIN. FT.	PORTABLE CULVERTS		HAULING CULVERTS (TON MILES)	TOTAL COST GRADING	PAVING SQ. YDS.	GRAVELLING ITEMS							TOTAL COST GRAVELLING	BRIDGES & CULVERTS					TOTAL COST STRUCTURES	ESTIMATED COST GRAND TOTAL																				
		Ac.	Tc.	Ac.	Tc.	EARTH	LOOSE ROCK	SOLID ROCK	CU. YDS.	CU. YDS.	CU. YDS.	LIN. FEET	CU. YDS.			CU. YDS.	IN.				IN.	12 IN.	15 IN.	18 IN.	24 IN.	30 IN.	36 IN.		42 IN.	48 IN.	STRIPPING	MATERIAL AT LOADING PT.	HAUL			SHAPING & COMPACTING	STATION NO.	STANDARD NO.	TOTAL LENGTH	CU. YDS.	POUNDS CONCRETE	POUNDS REIN. STEEL	Earth	Lower Rock	Solid Rock	REMOVE BRIDGES									
Est. Quant. M.I. 1 A	0+71 54+18.5	59	59	20,040	799	9010	282,840	4,159						666.66	75	275	48	34			25.67																																		
" " " 2 A	54+18.5 109+81.6	35	35	28,905	4230	14,026	22,970	2456							100	40	156	162			154.04																																		
" " " 3 5	109+81.6 153+50	28	28	30,653			53,260	2120							30		198				38.69																																		
Total Est. Quant. Proj.	73-67	122	122	79,598	5029	23,036	333,070	8735						666.66	205	40	275	402	54	162	218.40																																		
Unit Cost																																																							
Total Est. Cost																																																							



PLAN SURVEYED BY: [Blank]
 NOTE BOOK: [Blank]
 CHECKED BY: [Blank]
 NO. OF WAY CHECKED: [Blank]

PROFILE SURVEYED BY: [Blank]
 NOTE BOOK: [Blank]
 CHECKED BY: [Blank]
 NO. OF WAY CHECKED: [Blank]