

CONVENTIONAL SIGNS & ABBREVIATIONS

STATE LINE	-----	EXCAVATION	----	F
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	----	EI
RAILROADS	-----	VERTICAL CURVE	----	VC
RETAINING WALL	-----	BENCH MARK	----	B.M.
BASE OR SURVEY LINE	-----	SECTIONAL CONCRETE CULVERT	----	P.C.
LEVEE	-----	CORRUGATED METAL CULVERT	----	C.M.
GRAVEL PIT	-----	CULVERT HAUL	----	P.L.H.
SAND PIT	-----	TOW MILES	----	T.M.
CLAY PIT	-----	PLACE	----	P
ROCK QUARRY	-----	IN PLACE	----	INP
CULVERTS	-----	REPLACE	----	REP
PLAIN	-----	RIGHT	----	R
WITH FACE WALLS	-----	LEFT	----	L
WITH WING WALLS	-----	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	----	SE
HEDGE, BRUSH, OR TIMBER	-----	SPECIAL FLOWING	----	SP
GROUND ELEVATION	-----	TELEPHONE POLE	----	T&P
GRADE ELEVATION	-----			

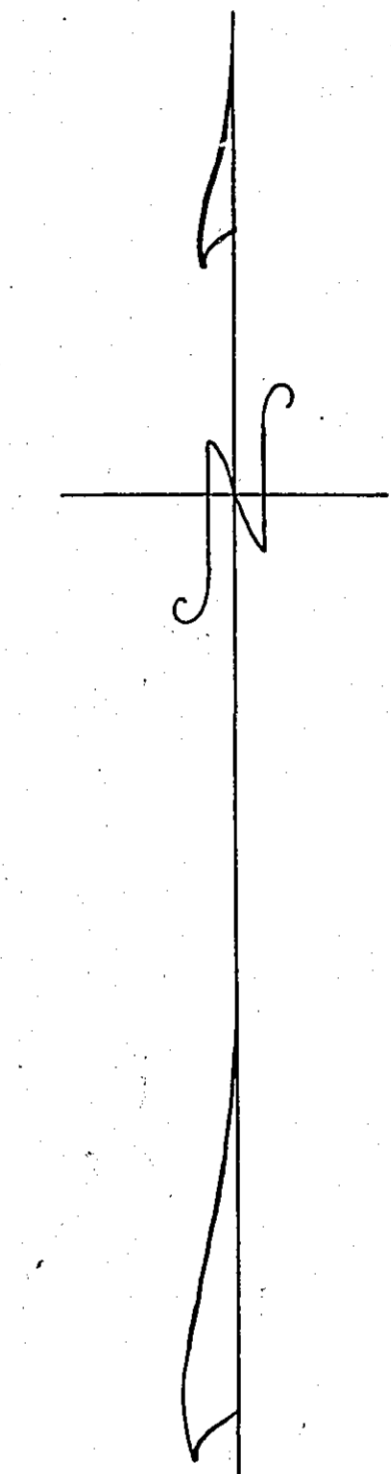
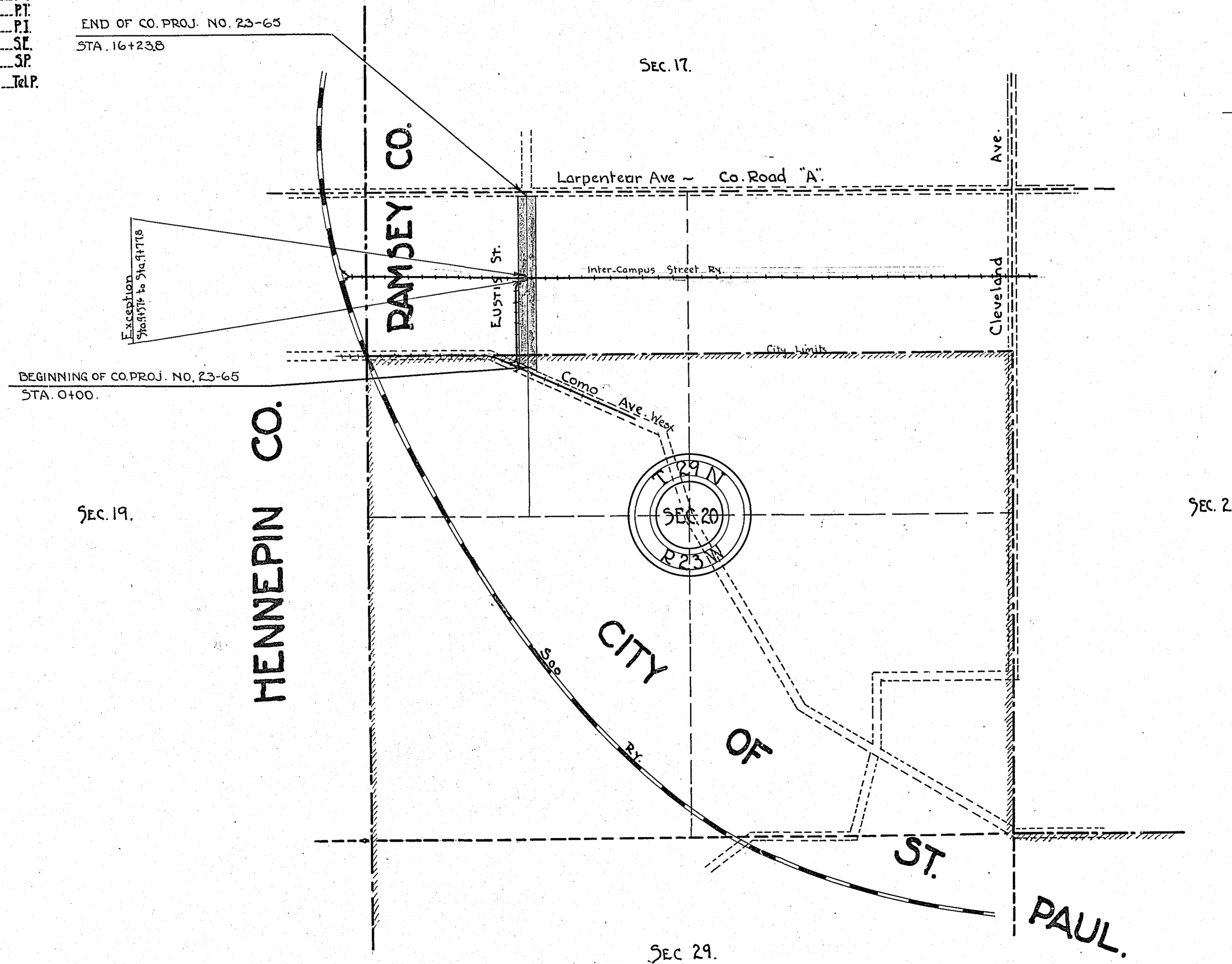
OFFICE OF COUNTY SURVEYOR
 RAMSEY COUNTY
 Plan and Profile of County Project No. 23-65

From 360' S. of +10' West of Center of NW 1/4 of Sec. 20 T. 21 N. R. 23 W. To 10' S. of +1320' West of South 1/4 Cor. of Sec. 17 T. 21 N. R. 23 W.
Give proper reference to Sections, Township and Range

GROSS LENGTH-16238 FEET 0.308 MILES
 LENGTH OF EXCEPTIONS-202 FEET 0.004 MILES
 NET LENGTH-16036 FEET 0.304 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 = 660 Feet

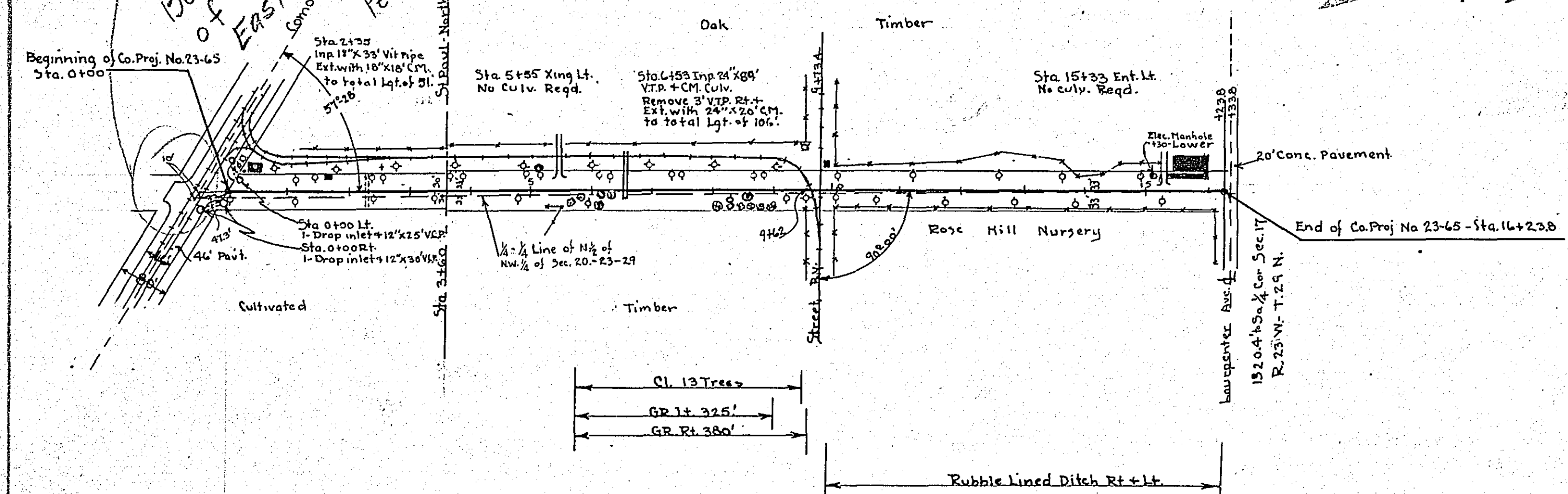
INDEX OF SHEETS

Sheet No. 1. Title Sheet and Layout Map
 " No. 2. Typical Cross-Sections and Statement
 " No. 3. Plan and Profile, Sta. 0+00 to Sta. 16+238
 " No. 4. Cross-Section Sheet
 " No. 5. Special Detail Sheet-(Paving)

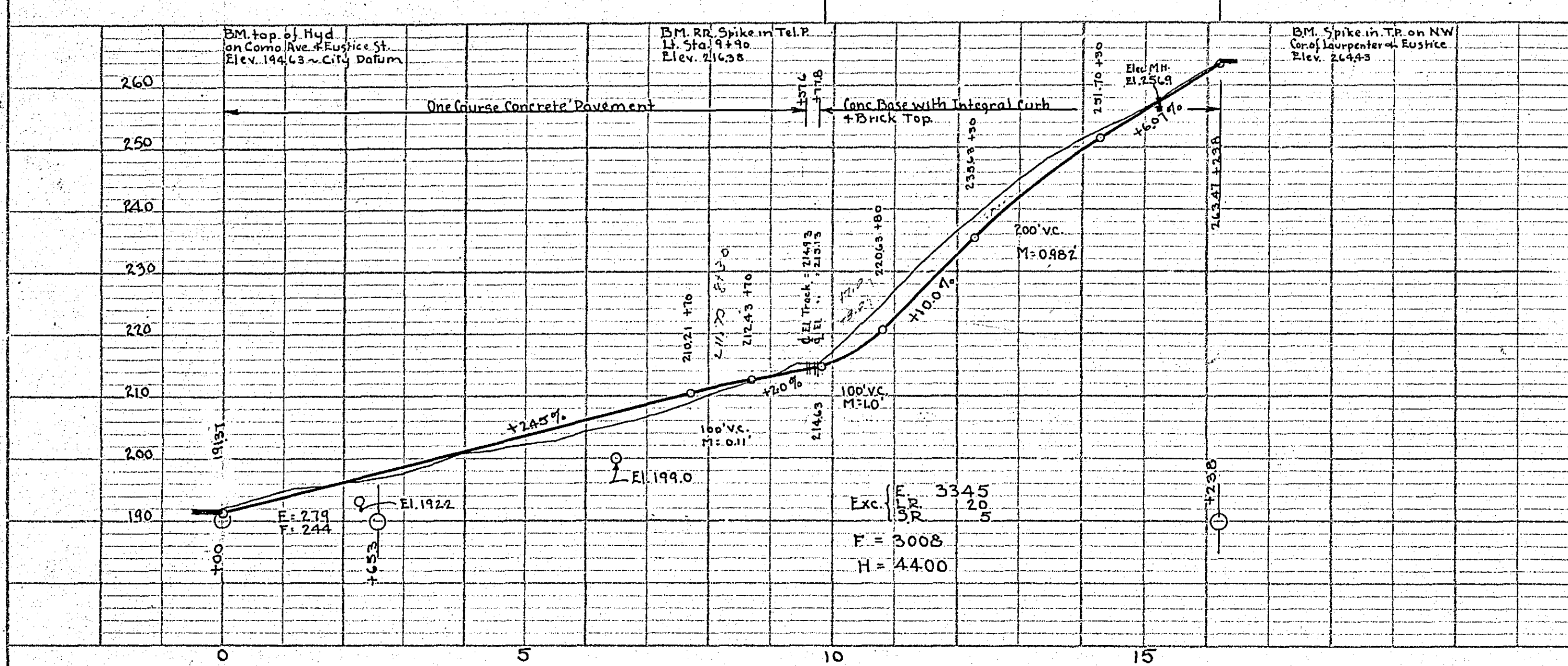


Date of Resolution for Preparation of Plans April 2, 1923
 Planned by R. J. Hollander DESIGNING SURVEY ENGINEER
 Recommended for Approval E. Briggs CONSTRUCTION ENGINEER
 Plans Approved and Recommended for Consideration Paul N. Coates COUNTY SURVEYOR
 Approved by County Board _____ 19 _____ CHAIRMAN OF COUNTY BOARD

7 1/2 Line
Being 10' West
of Base Line Not
of East As Shown
Per Note 1/1/10

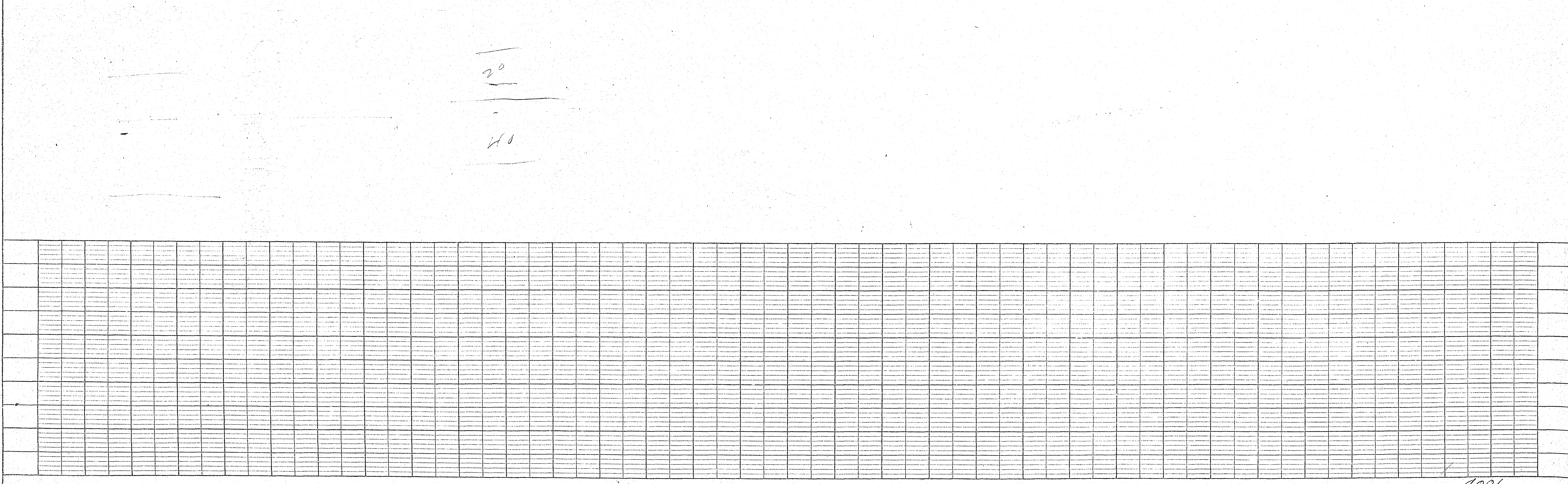


PLAN SURVEYED BY DATE
CHECKED BY DATE
NOTE BOOK NO. OF WAY CHECKED



ESTIMATED QUANTITIES	
Sta. 0+00 to Sta. 16+25.8	
CL	131' Trees
E	3024' CY
J.R	20' "
J.R	5' "
H	4400' Sta Yds.
GR	705' Lin. Ft.
VC Pipe 12"	56' "
CM 12"	20' "
" 18"	18' "
Paving Uncourse Concrete	2620.3 Sq. Yds.
Conc. Box with Integral Curb	1782.6' "
" Brick Top	1679.3' "
Rubble Ditch Lining	1031' "
Drop Inlets	2

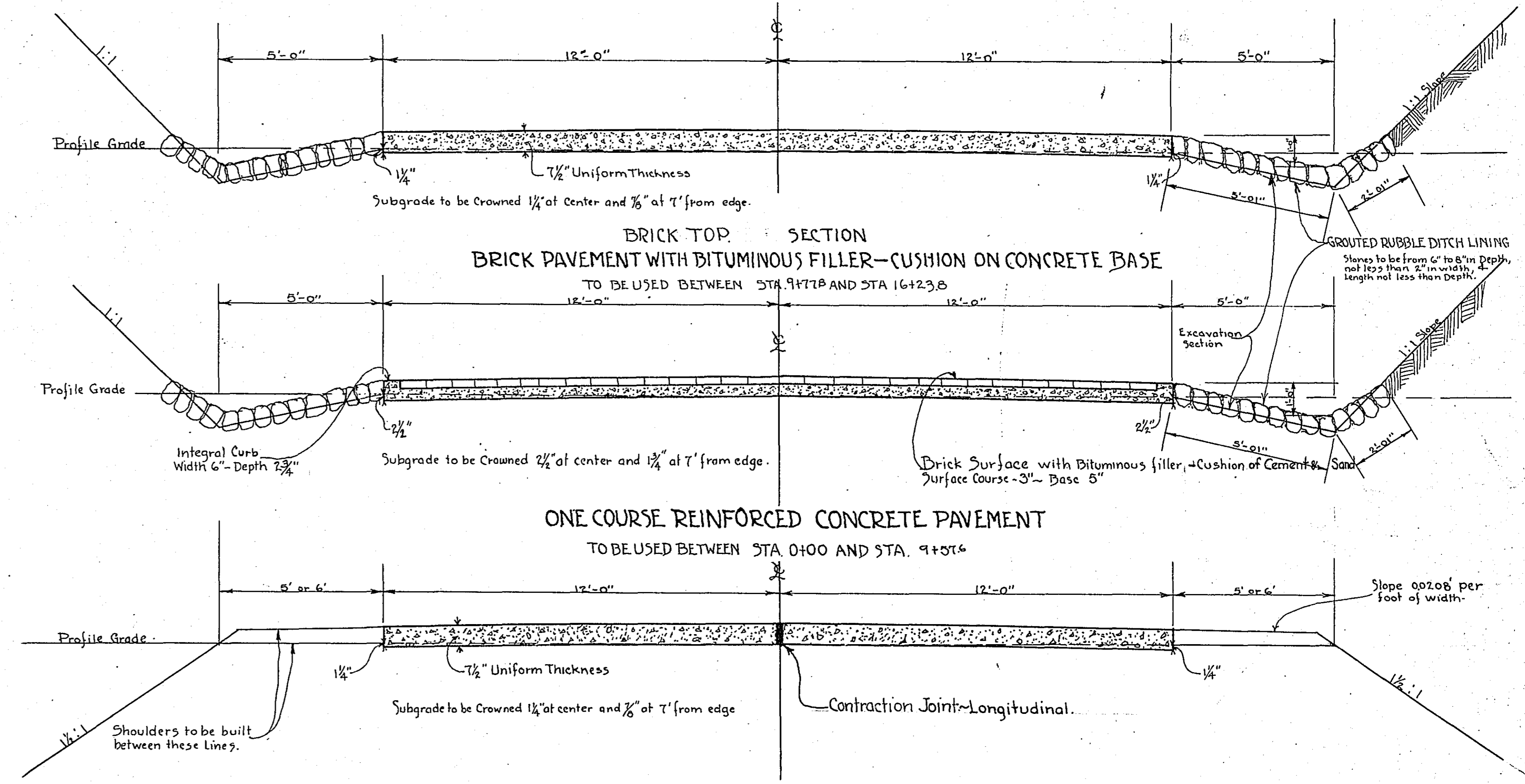
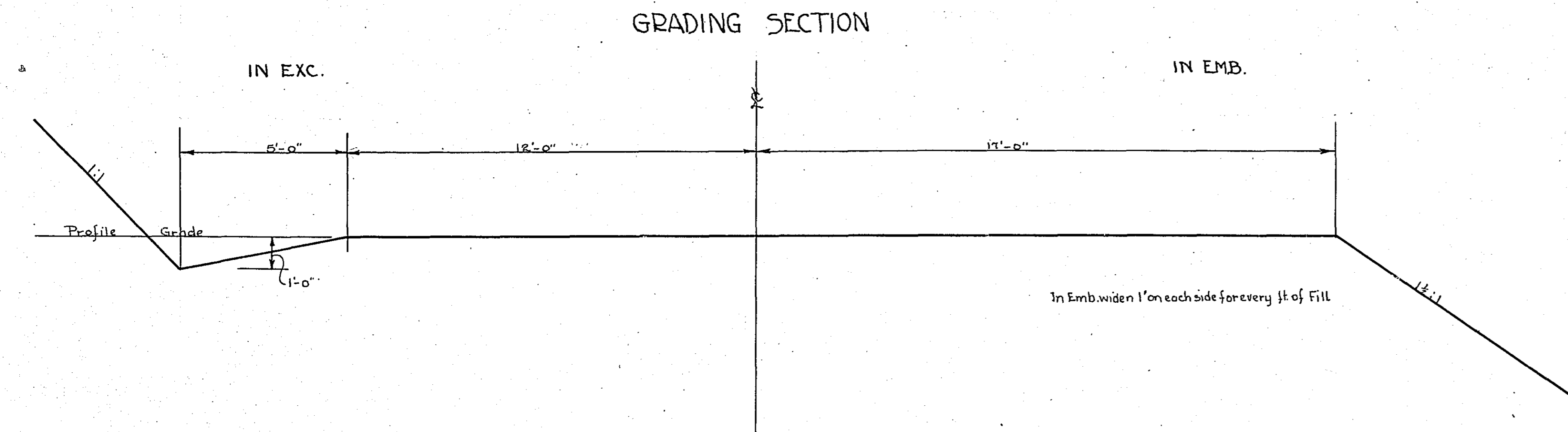
PROFILE SURVEYED BY DATE
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NOTE BOOK NO. OF WAY CHECKED



TYPICAL CROSS-SECTIONS AND DETAILS.

ONE COURSE REINFORCED CONCRETE PAVEMENT

THIS SECTION NOT UNDER CONSIDERATION.



STATEMENT OF ESTIMATED QUANTITIES AND COSTS.

SHEET NO.	STATION TO STATION	CLEARING GRUBBING		EXCAVATION CU. YDS.			GRADING ITEMS				CONCRETE WALLS	RIP RAP CU. YDS.	C.M. CULVERTS - LIN. FT.								HAULING CULVERTS TON MILES	TOTAL COST GRADING	PAVING ITEMS						TOTAL COST PAVING	BRIDGES & CULVERTS						TOTAL COST STRUCTURES	ESTIMATED COST GRAND TOTAL					
		TREES	TREES	EARTH	LOOSE ROCK	SOLID ROCK	C.U. YDS.	C.U. YDS.	LIN. FEET	C.U. YDS.			IN.	IN.	12 IN.	15 IN.	18 IN.	24 IN.	30 IN.	36 IN.			42 IN.	48 IN.	C.U. YDS.	CU. YDS.	SQ. YDS.	SQ. YDS.		SQ. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.			CU. YDS.	POUNDS REINF. STEEL	POUNDS STRUCTURAL STEEL	PIILING LIN. FEET	TEMPORARY CROSSING
Estimated Quantities	0+00 16+238			3624	20	5	4400	705				55			10	20			2420.3	152.4	1619.3	1037.0	2			1480.35									14,223.51						15,703.84	
Est. Unit Costs																																										
Total Est. Costs																																										

4001