

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	.....	EL
RAILROADS	-----	VERTICAL CURVE	.....	KC
RETAINING WALL	-----	BECHM MARK	.....	B.M.
BASE OR SURVEY LINE	-----	SECTIONAL CONCRETE CULVERT	.....	P.1
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	.....	INP
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	.....	SE
HEDGE, BRUSH, OR TIMBER	-----	SPECIAL PLOWING	.....	SP
GROUND ELEVATION	.....	TELEPHONE POLE	.....	T.P.
GRADE ELEVATION	.....		

STATE HIGHWAY DEPARTMENT

OF MINNESOTA

Plan and Profile of State Road No. 1

COUNTY OF RAMSEY

From A point 200' S. and 98' W. of the N.E. Cor. of Sec. 25-30-23 To A point 66' S. and 60.5' N. of the N.E. Cor. of Sec. 2-30-23

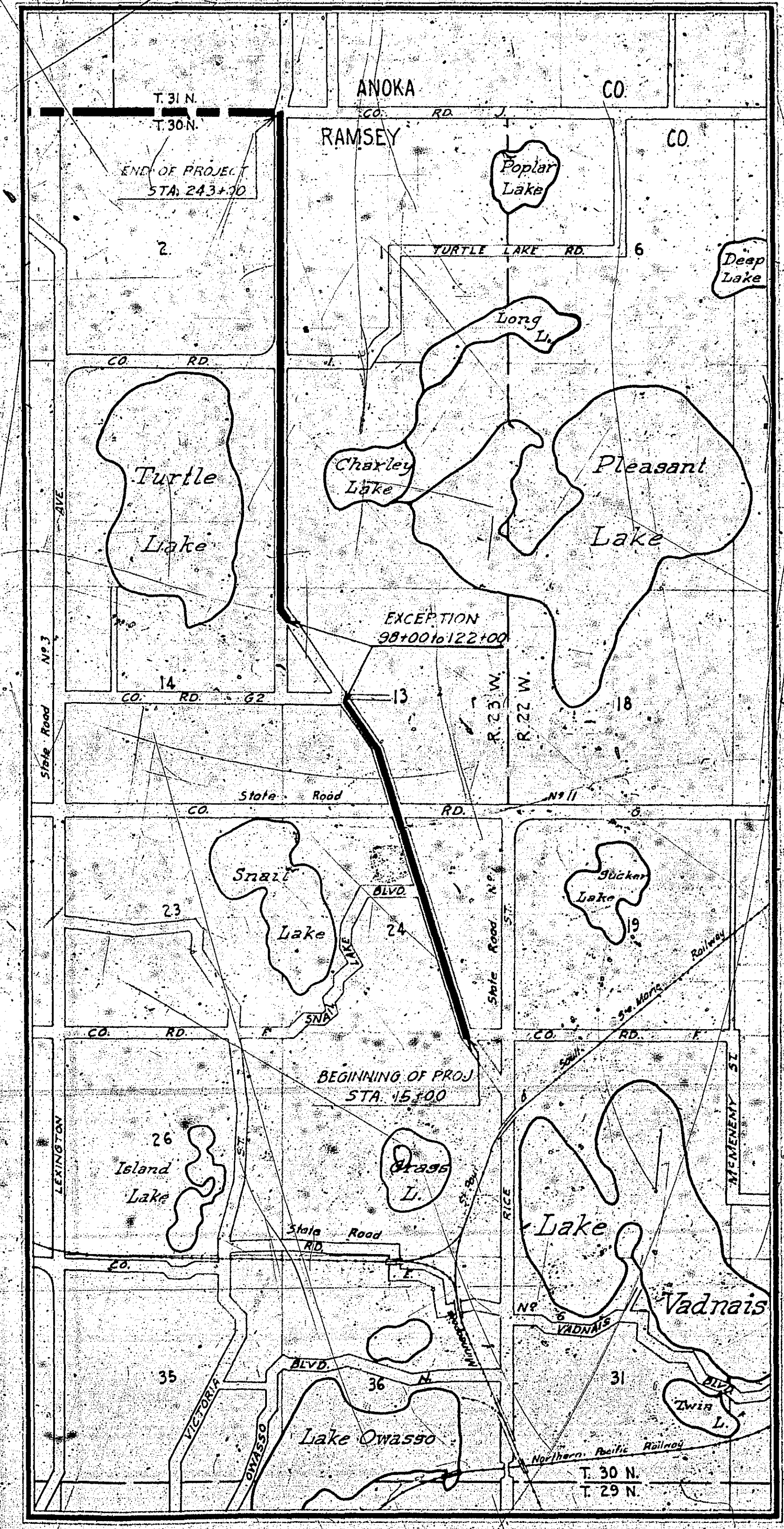
GROSS LENGTH 22800 FEET 4.318 MILES
 LENGTH OF EXCEPTIONS 2400 FEET .454 MILES
 NET LENGTH 20400 FEET 3.864 MILES

PLAN 1 Inch = 200 Feet
 PROFILE Horz. 1 Inch = 200 Feet Vert. 1 Inch = 20 Feet
 (Horz. 1 Inch = 100 Feet)
 WORKING PLANS Vert. 1 Inch = 10 Feet
 Cross-Sections 1 Inch = 10 Feet

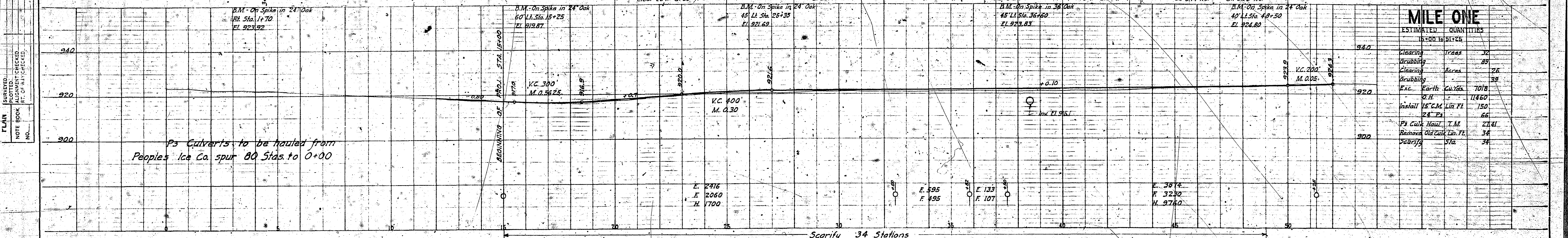
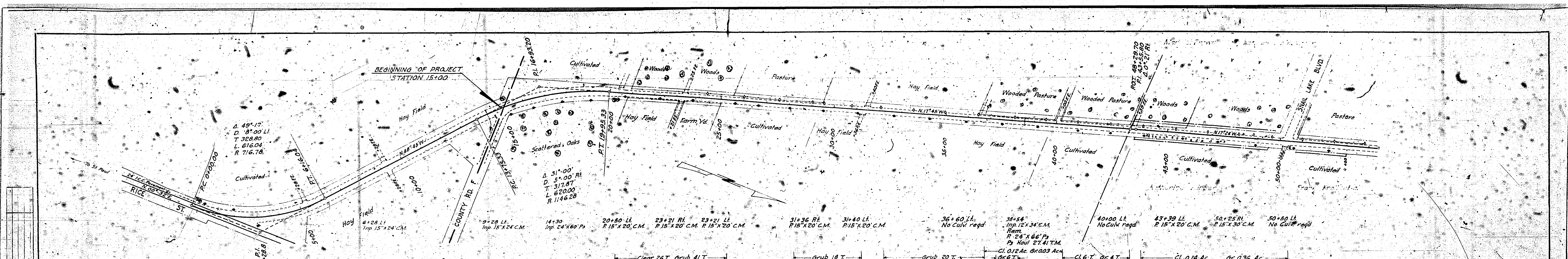
LAYOUT
 Scale 1 Inch = 2640 Feet

INDEX OF SHEETS

Sheet No. 1	Title Sheet and Layout Map
No. 2	Typical Cross-Sections and Statement
No. 3	Plan and Profile Sta. 15+00 to Sta. 98+00
No. 4	122+00 to 203+86
No. 5	203+86 to 243+00
Nos. 6 to 18 incl. Cross Sections	

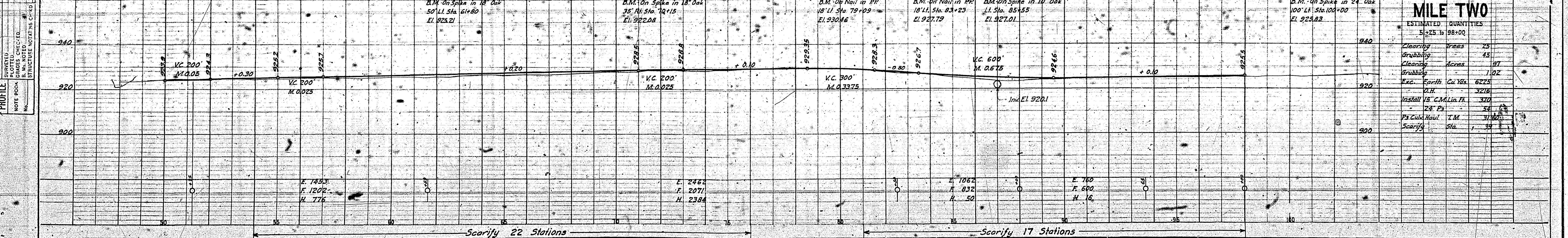
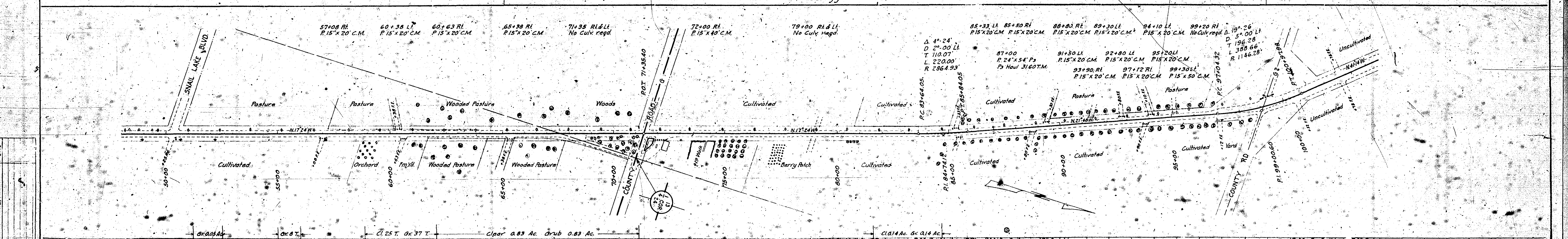


Planned by _____
 HIGHWAY ENGINEER FOR RAMSEY COUNTY
 Recommended for Approval _____
 DIVISION ENGINEER
 Recommended for Approval _____
 Approved _____
 CHIEF ENGINEER & DEPUTY COMMISSIONER



MILE ONE

ESTIMATED QUANTITIES	QUANTITIES
Clearing	Trees 32
Grubbing	Acres 89
Clearing	Acres 76
Grubbing	Acres 38
Exc. Earth	Cu Yds. 7018
Grub	cu ft 11460
Install 15" C.M. LIR FR	150
24" Ps	66
Ps Culk Haul T.M.	2241
Remove Old Culk Lin. FR	34
Scarify	Sta. 34



MILE TWO

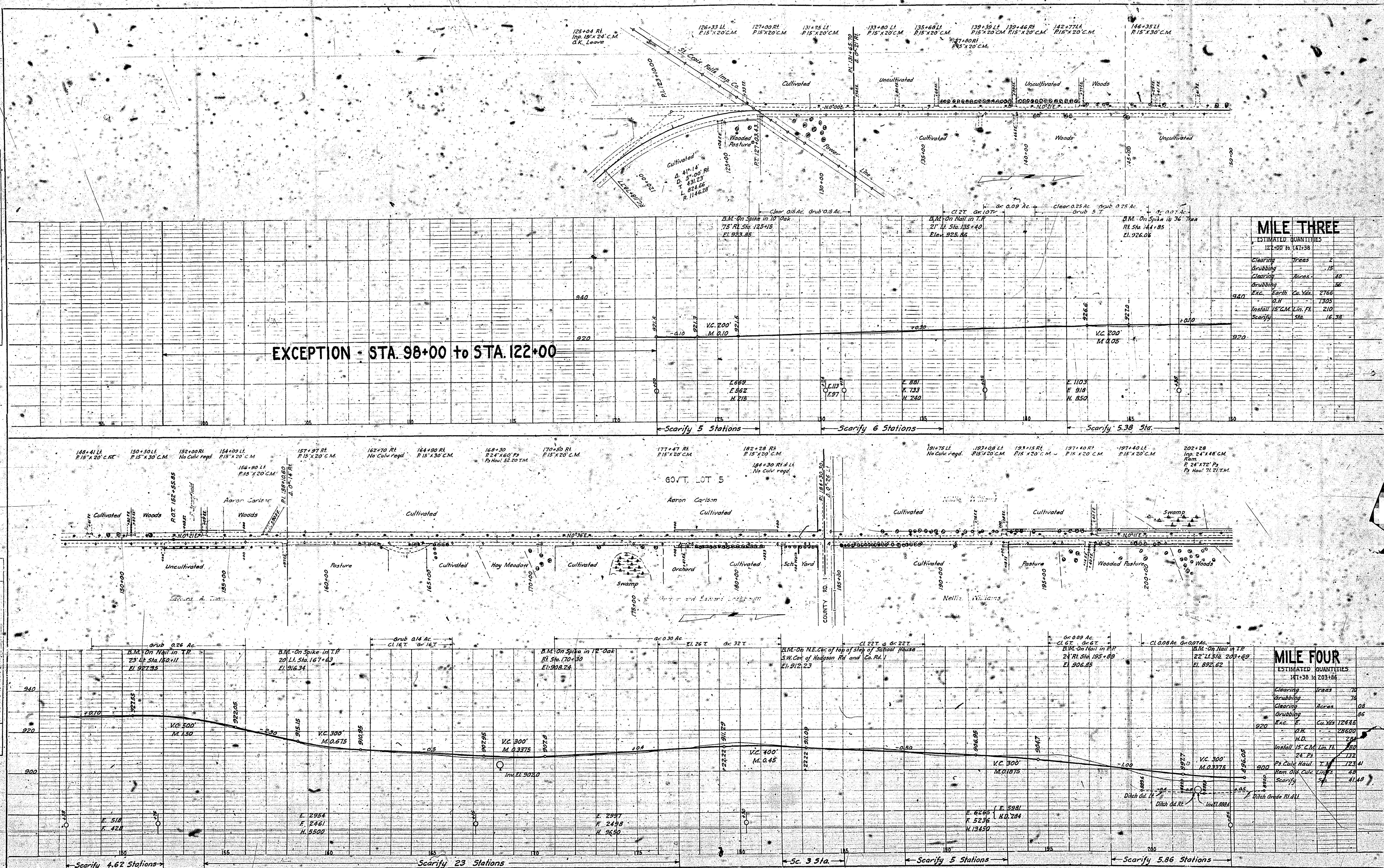
ESTIMATED QUANTITIES	QUANTITIES
Clearing	Trees 25
Grubbing	Acres 45
Clearing	Acres 87
Grubbing	Acres 102
Exc. Earth	Cu Yds. 6225
Grub	cu ft 3216
Install 15" C.M. LIR FR	370
24" Ps	54
Ps Culk Haul T.M.	3100
Scarify	Sta. 34

PLAN SURVEYED, PLOTTED, CHECKED, NOTE BOOK, RT. OF ARCHIVE, NO.

PROFILE SURVEYED, PLOTTED, CHECKED, NOTE BOOK, STRUCTURE, VERTICAL CURVE, NO.

PLAN
 SURVEYED
 PLOTTED
 CHECKED
 NOTE BOOK
 NO.

PROFILE
 SURVEYED
 PLOTTED
 CHECKED
 NOTE BOOK
 NO.



EXCEPTION - STA. 98+00 to STA. 122+00

MILE THREE

ESTIMATED QUANTITIES
 127+00 to 147+38

Clearing	Trees	4
Grubbing	Acres	15
Grubbing	Acres	10
Grubbing	Acres	56
Exc. Earth	Cu. Yds.	2766
H.D.		1305
Install 15" C.M. Lin. Ft.		210
Scarify	Sta.	16.38

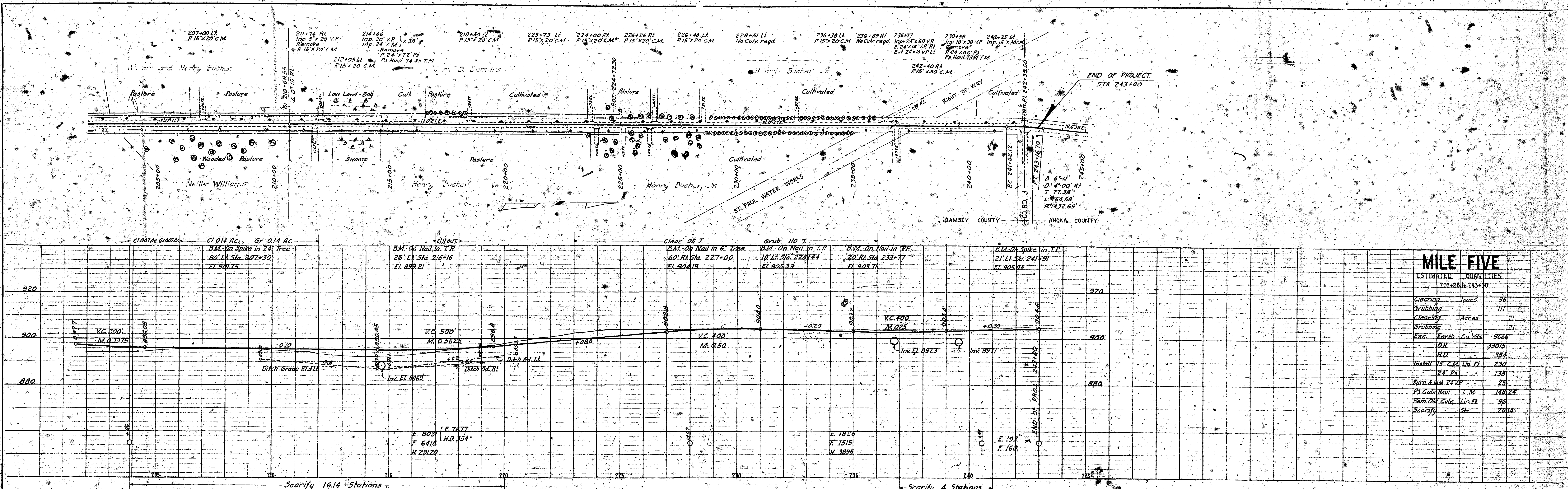
MILE FOUR

ESTIMATED QUANTITIES
 147+38 to 203+86

Clearing	Trees	10
Grubbing	Acres	76
Grubbing	Acres	08
Grubbing	Acres	86
Exc. Earth	Cu. Yds.	12445
H.D.		28600
H.D.		280
Install 15" C.M. Lin. Ft.		280
24" Ps		132
Ps Culk Nail		123.4
Rem. Old Culk		80
Scarify	Sta.	81.49

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 NOTE BOOK: _____ ALIGNMENT CHECKED: _____
 No. _____ STRUCTURE NOTATIONS CHECKED: _____

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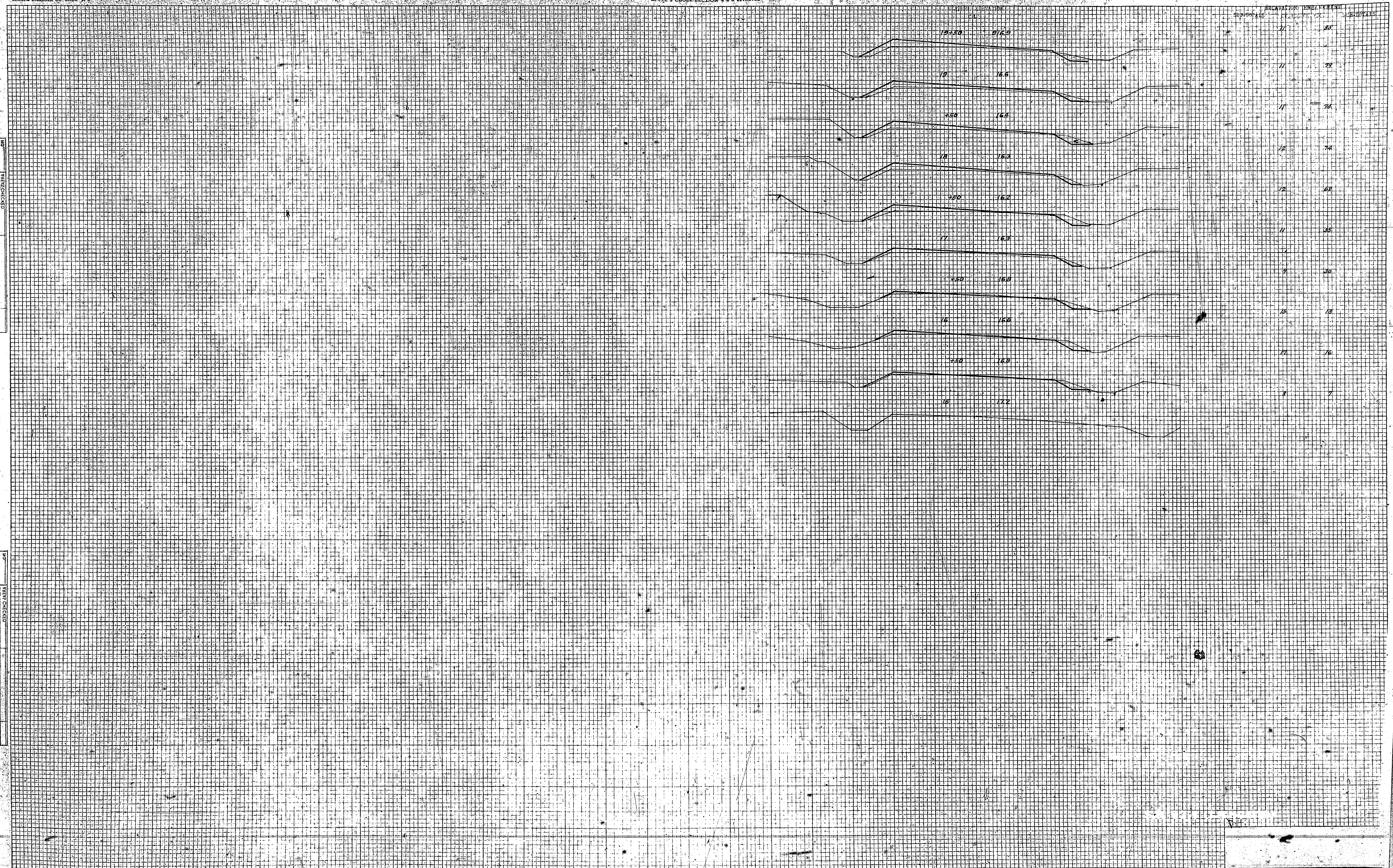


MILE FIVE

ESTIMATED QUANTITIES	QUANTITIES
Clearing Trees	96
Grubbing	111
Clearing Acres	21
Grubbing	21
Exc. Earth Cu Yds	5664
Exc. Earth	33015
HD	354
Install 15" C.M. Lin. Fl.	230
24" Fl.	138
Furn. & Inst. 24" Fl.	25
15" C.M. Man. T. R.	148.23
Rain. Div. Culv. Lin. Fl.	26
Scalphy	2014

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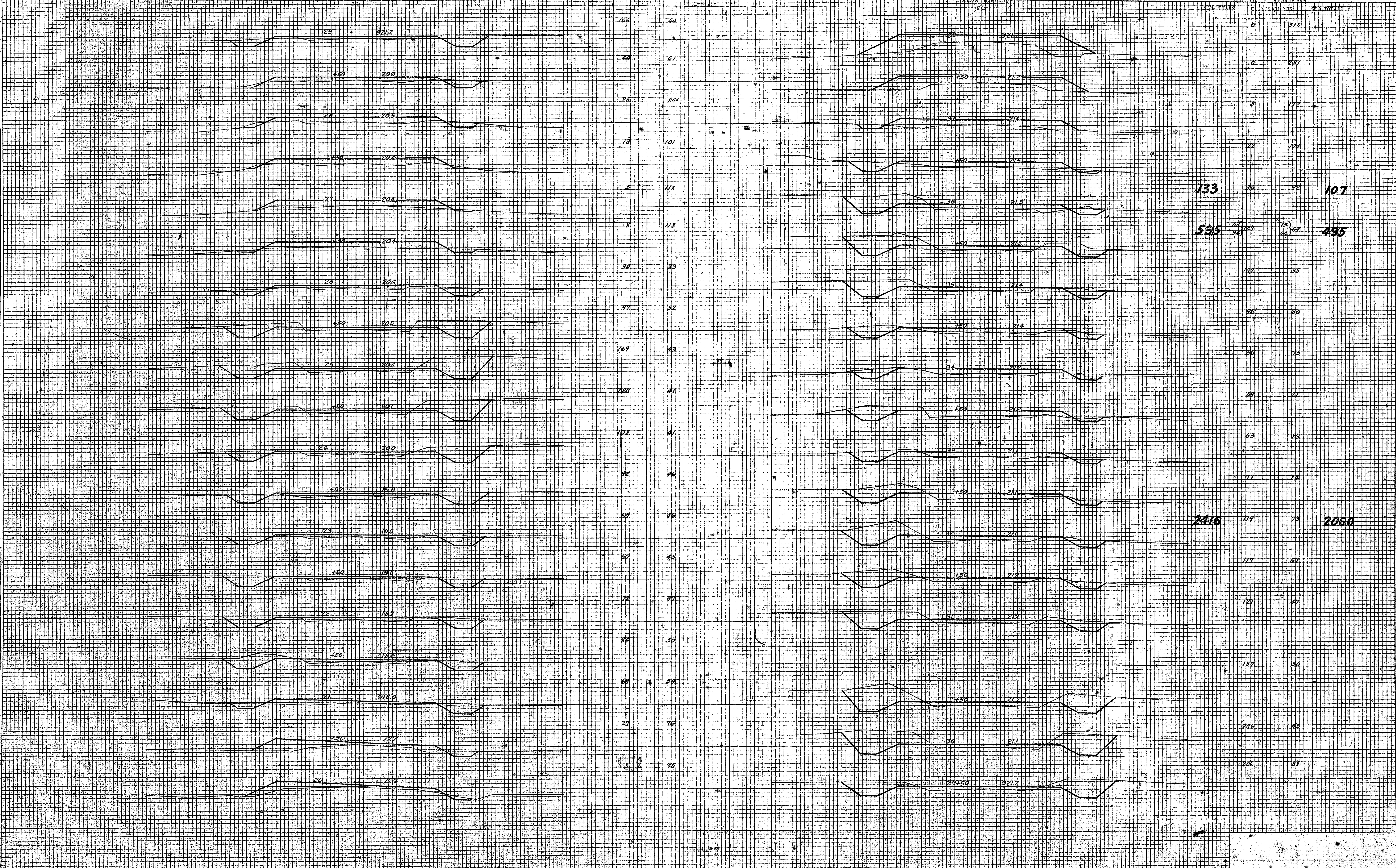
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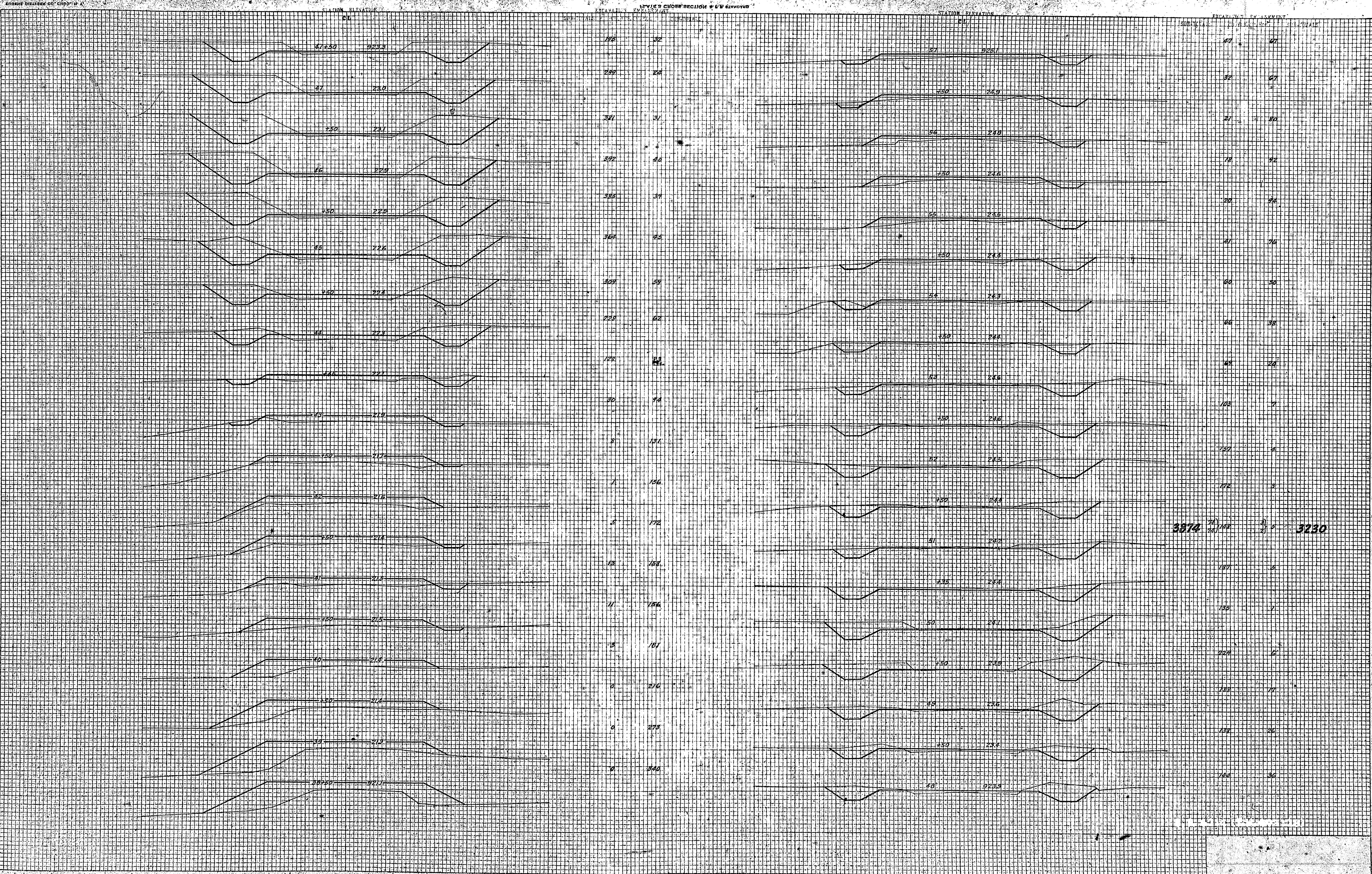


EXCAVATION EMBLEMMENT
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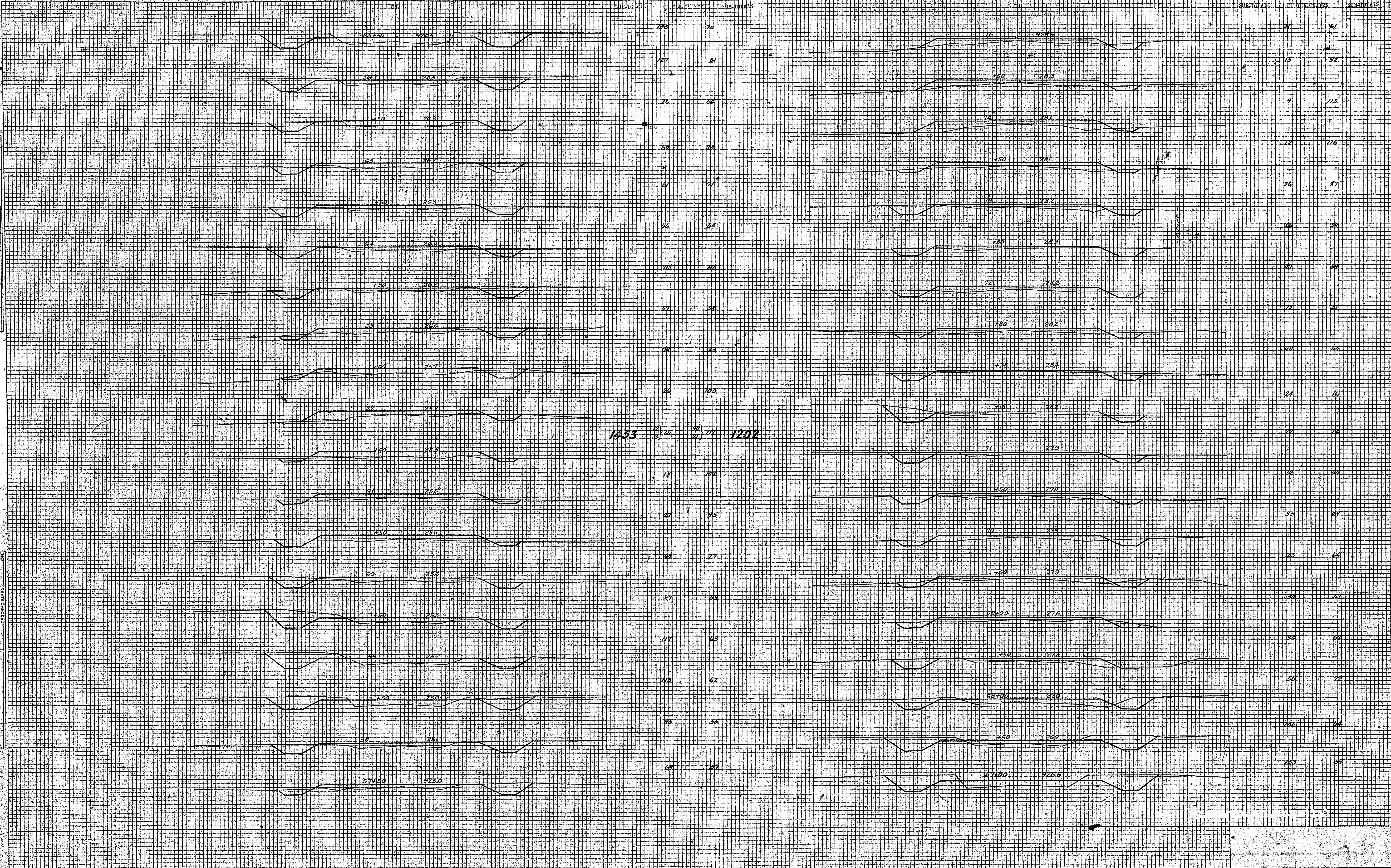
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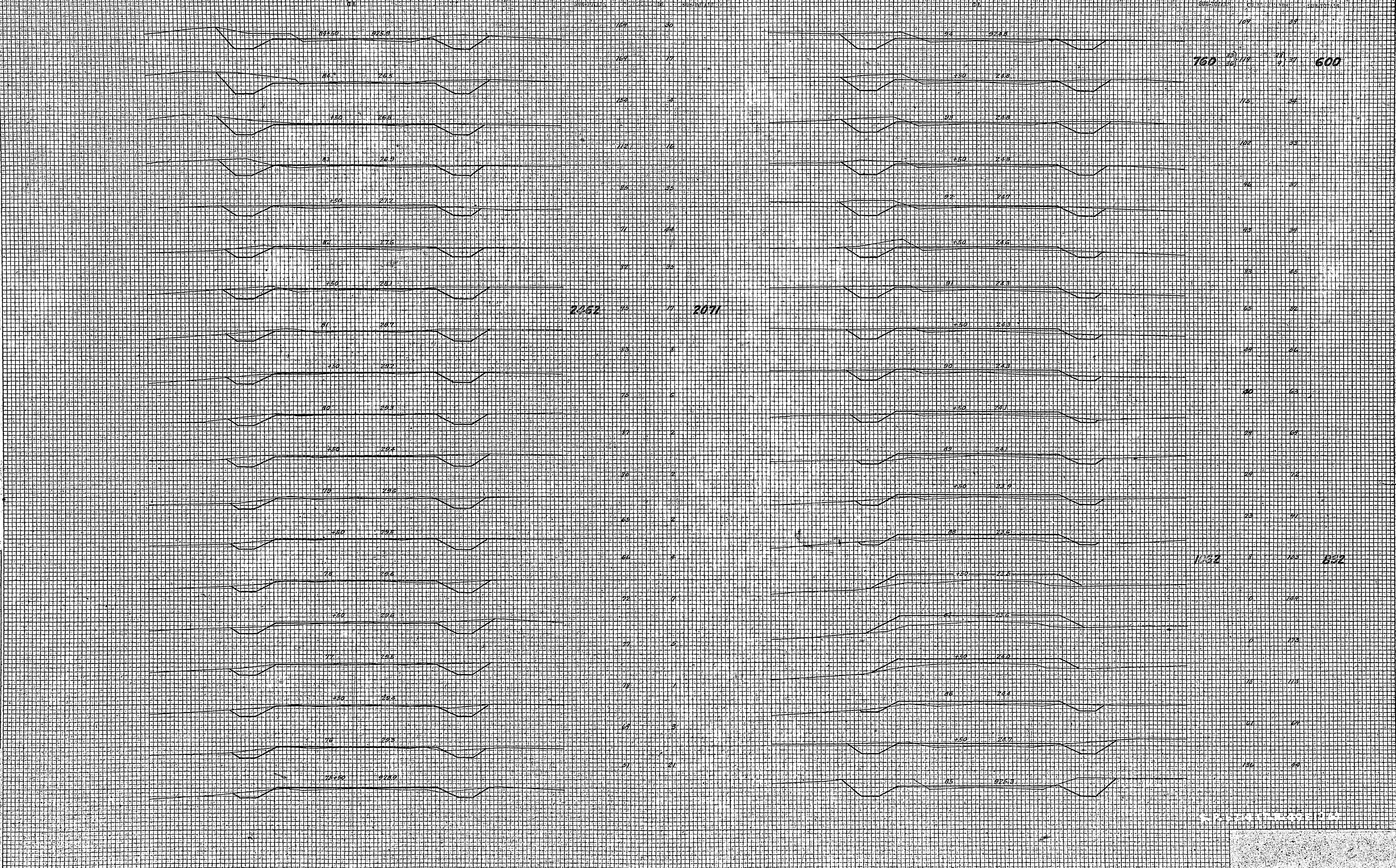
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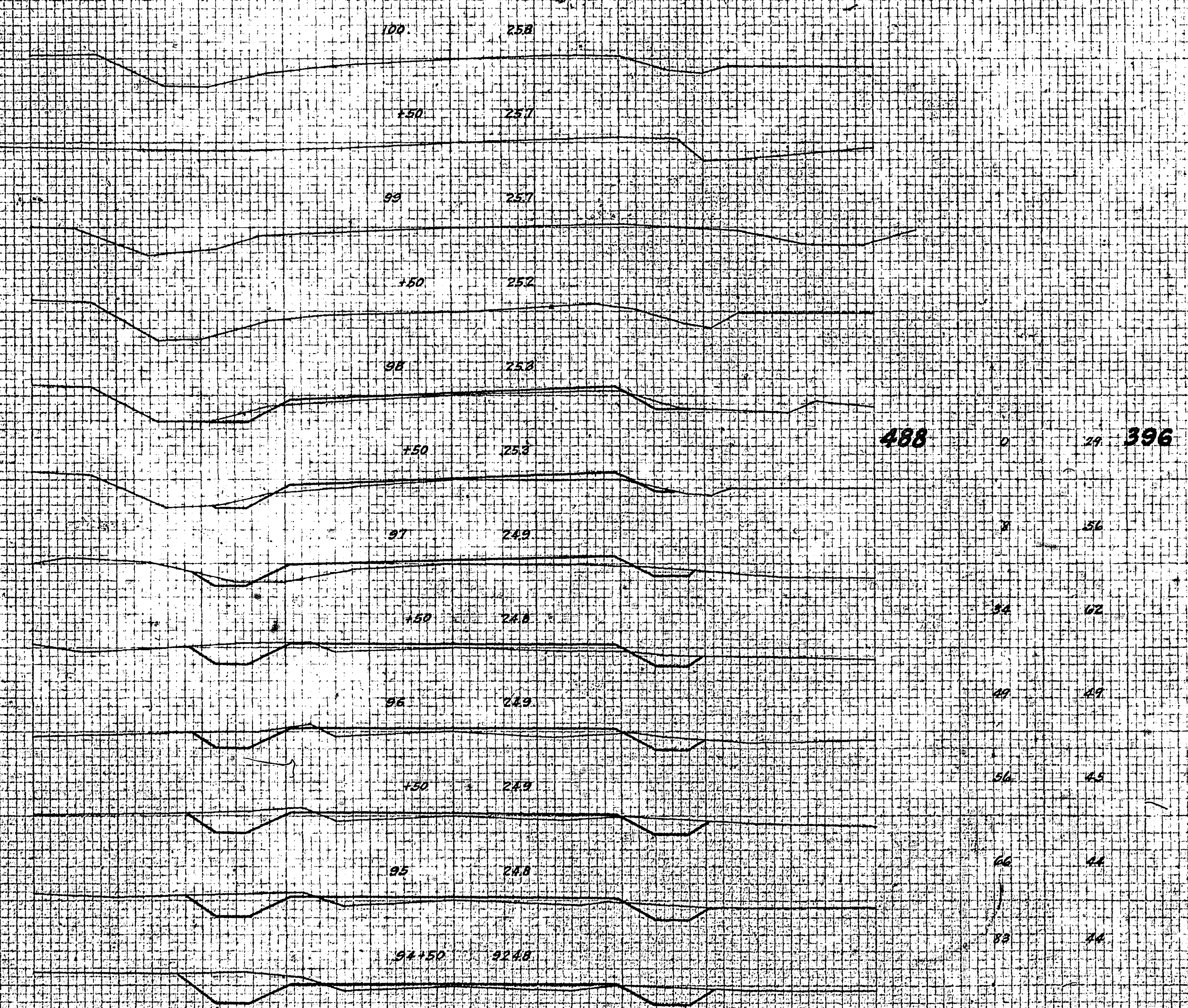
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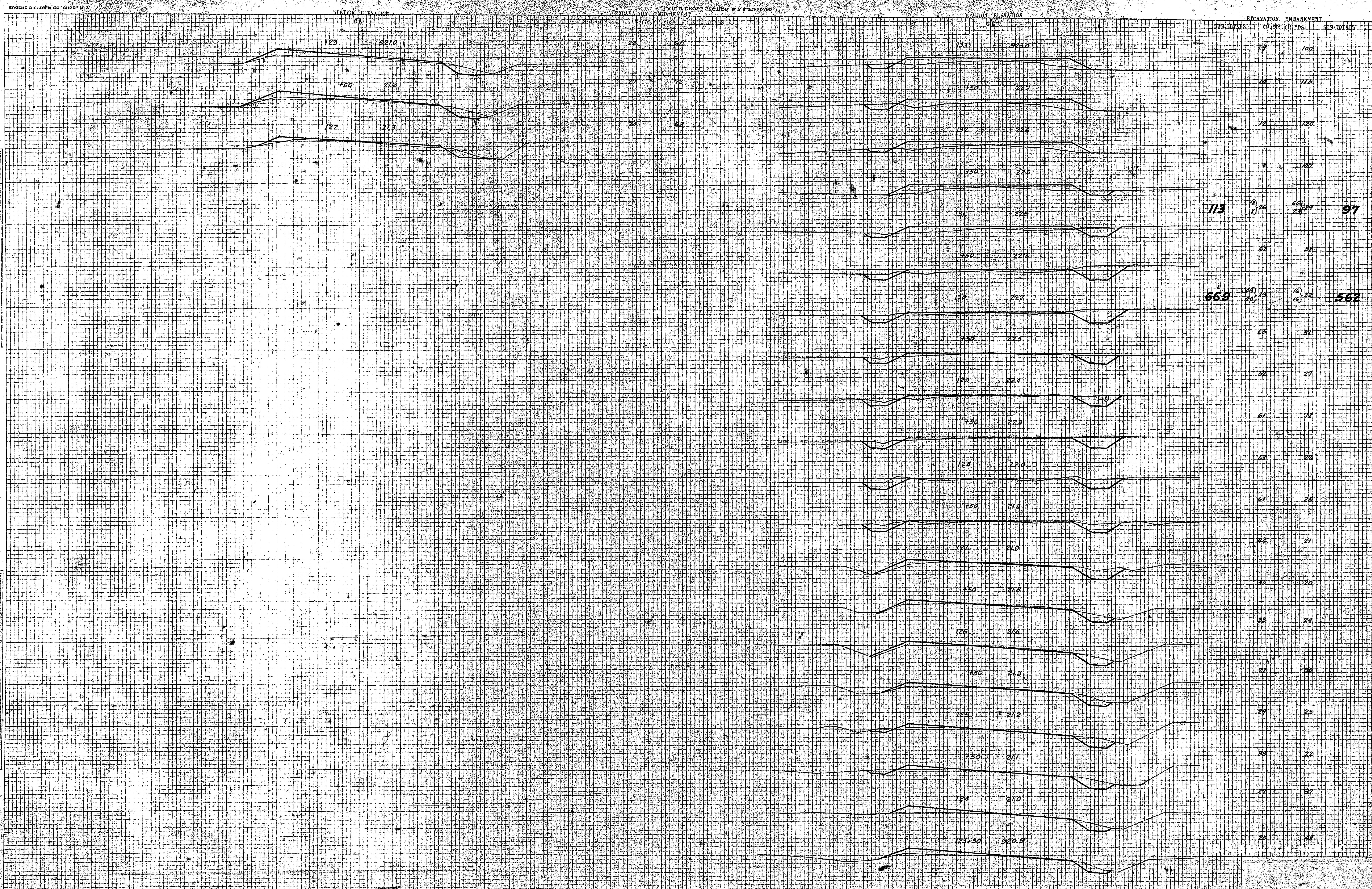
STATION ELEVATION

STAKE CROSS SECTION ELEVATION
EXCAVATION EMBANKMENT

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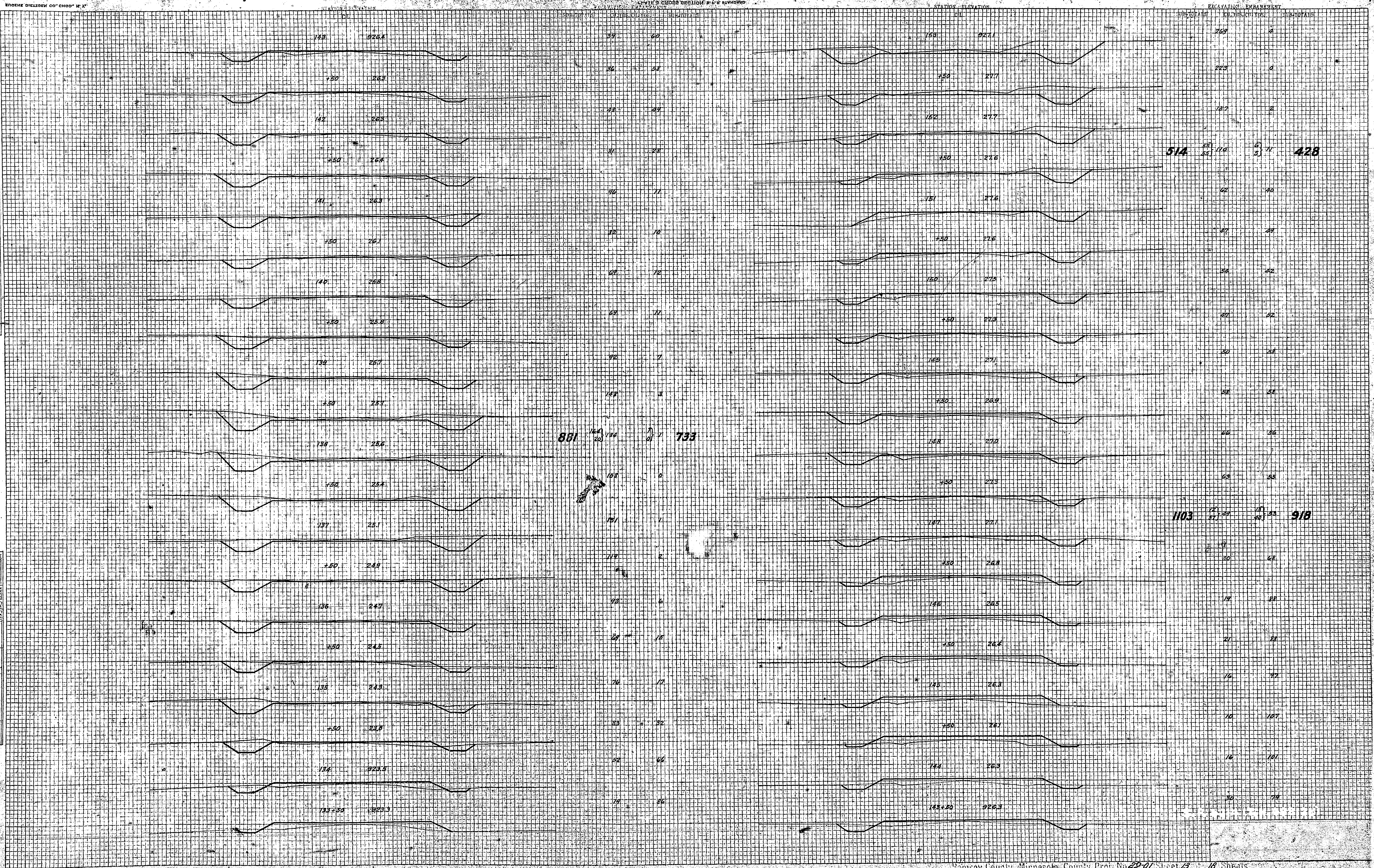
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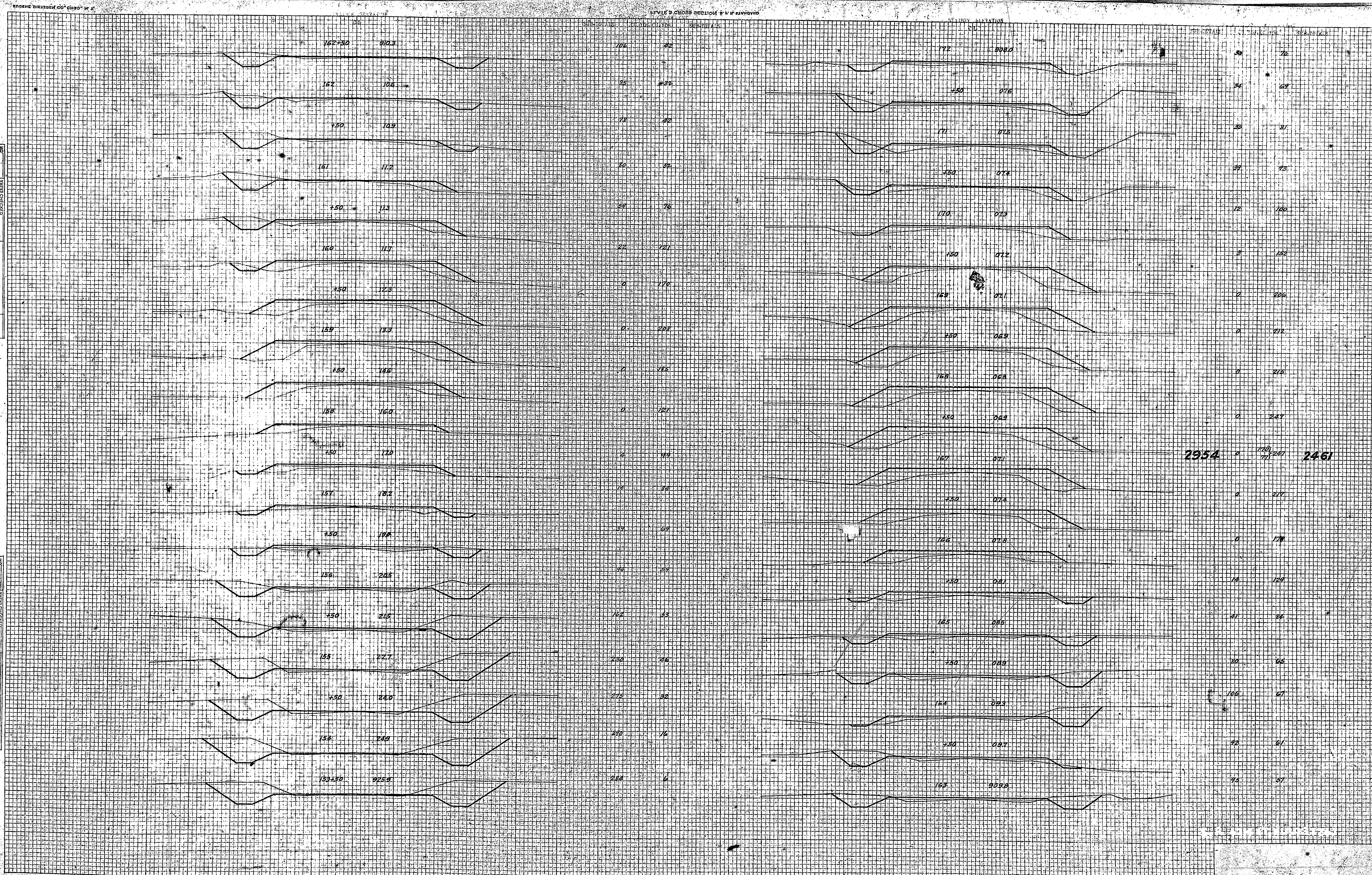
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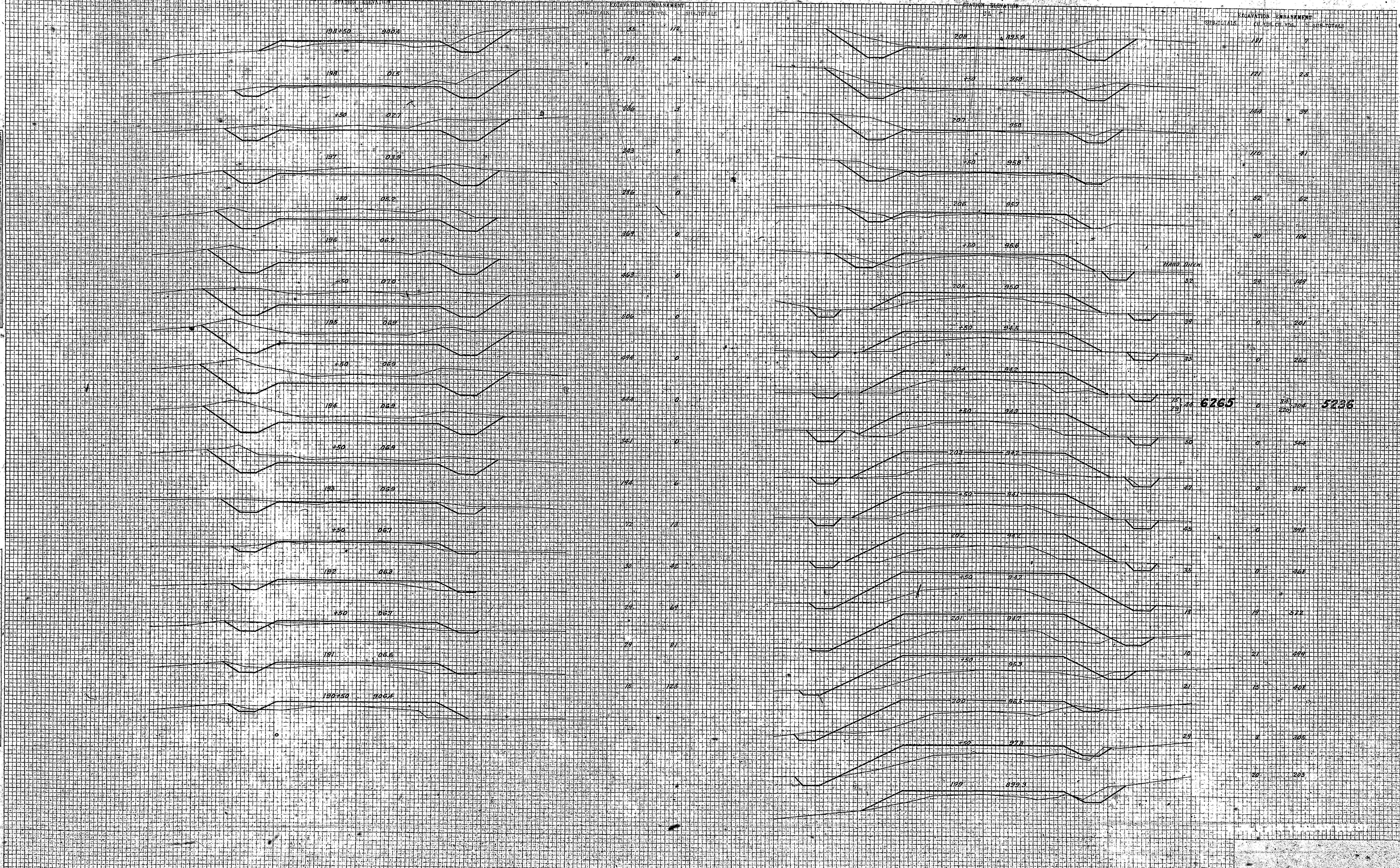
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 DATE _____
 SURVEYER _____
 CHECKED _____



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