

COLORADO
STATE HIGHWAY DEPARTMENT
PLAN AND PROFILE OF PROPOSED
U. S. P. W. HIGHWAY PROJECT NO. N. R. H. 285 E. (1935)
STATE HIGHWAY NO. 81
WELD COUNTY

INDEX OF SHEETS

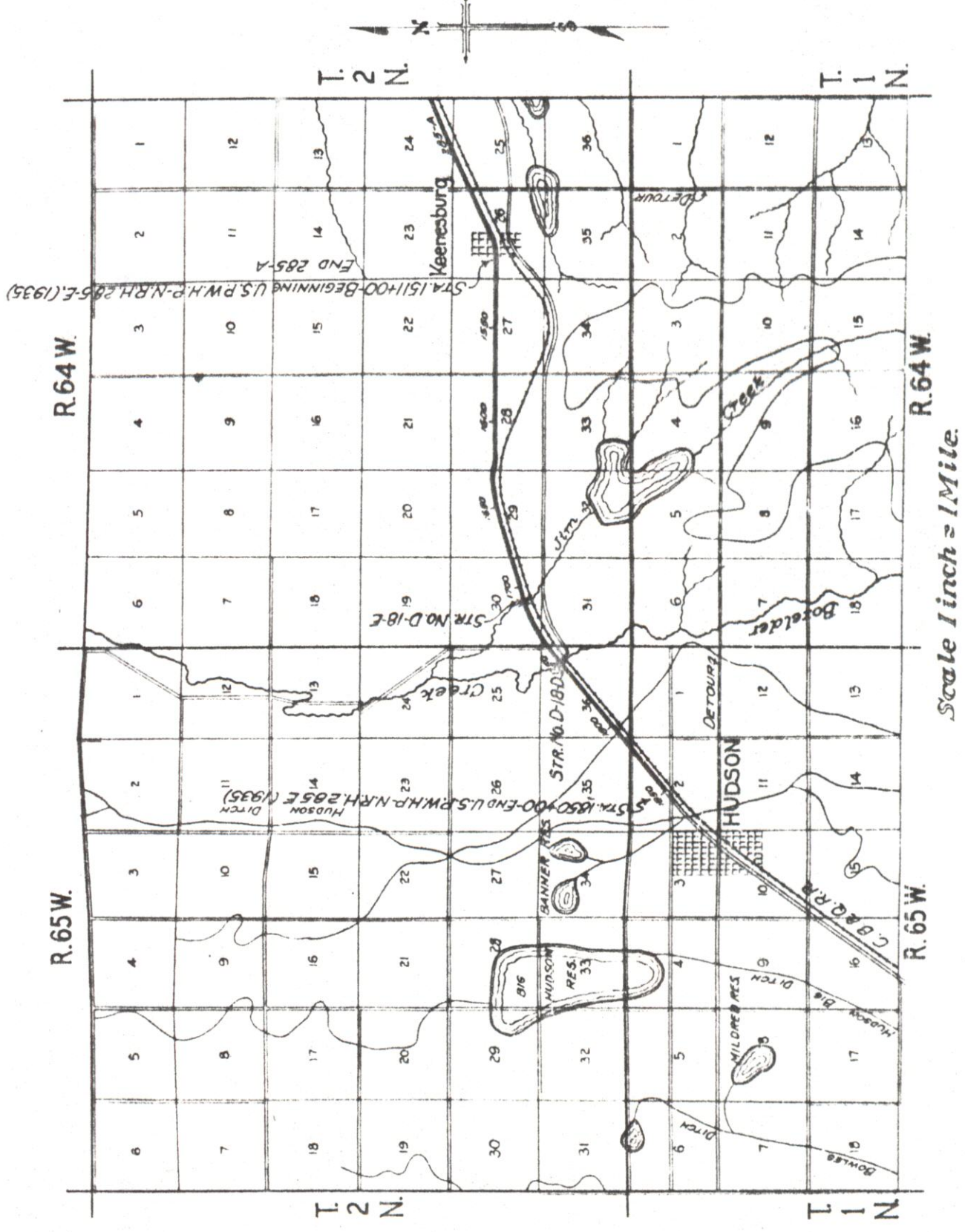
1	TITLE SHEET
2	TYPICAL SECTION AND SUMMARY OF QUANTITIES
3	DETAILS OF BRIDGE STA. 1703+
4	" " " " 1752+
5	" " " " 1752+
6	STANDARD METHODS FOR SUPERELEVATION OF CURVES
7	WIRE CABLE GUARD FENCE
8	WIRE FENCES AND MARKER POSTS
9	HEADWALLS
10	CONCRETE BOX CULVERTS (6x7), (5x3)
11	" " " " (8x4)
12	" " " " SYPHONS
13-23	PLAN & PROFILE SHEETS
24-56	CROSS-SECTIONS

M-1-A
M-20-G
M-24-F
M-102-E
M-103-D
M-104-D
M-123-A

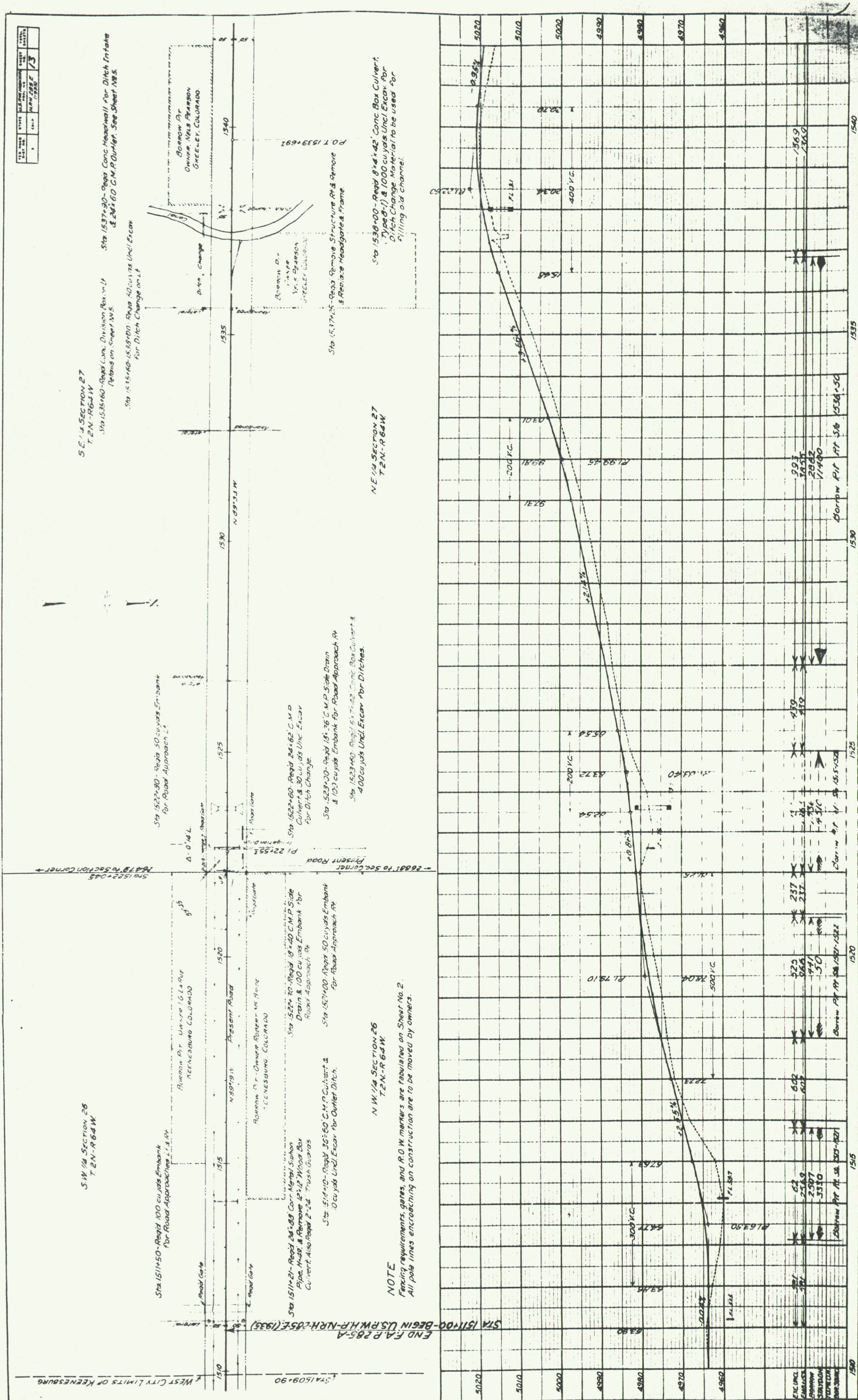
CONVENTIONAL SIGNS

CENTER LINE OF SURVEY
RIGHT OF WAY LINE
TOWNSHIP LINE
SECTION LINE
ONE QUARTER SECTION LINE
FENCE
RAILROAD
TELEPHONE LINE
POWER LINE
PRESENT ROAD

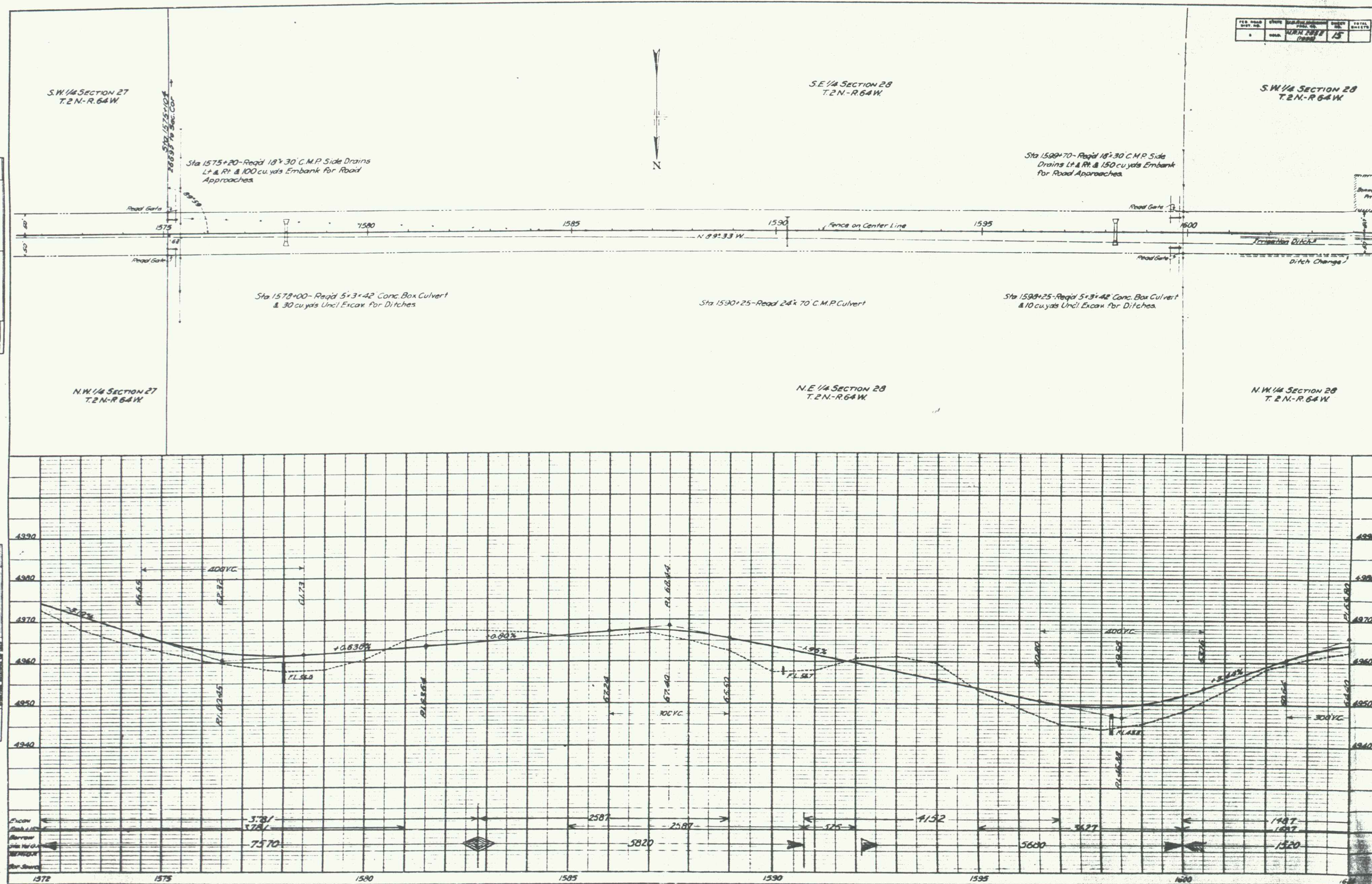
SCALES
ON PLAN, 1 IN. = 100 FT.
ON PROFILE, 1 IN. = 100 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT 33,909.1 FT. = 6.422 MI.
NET LENGTH OF PROJECT

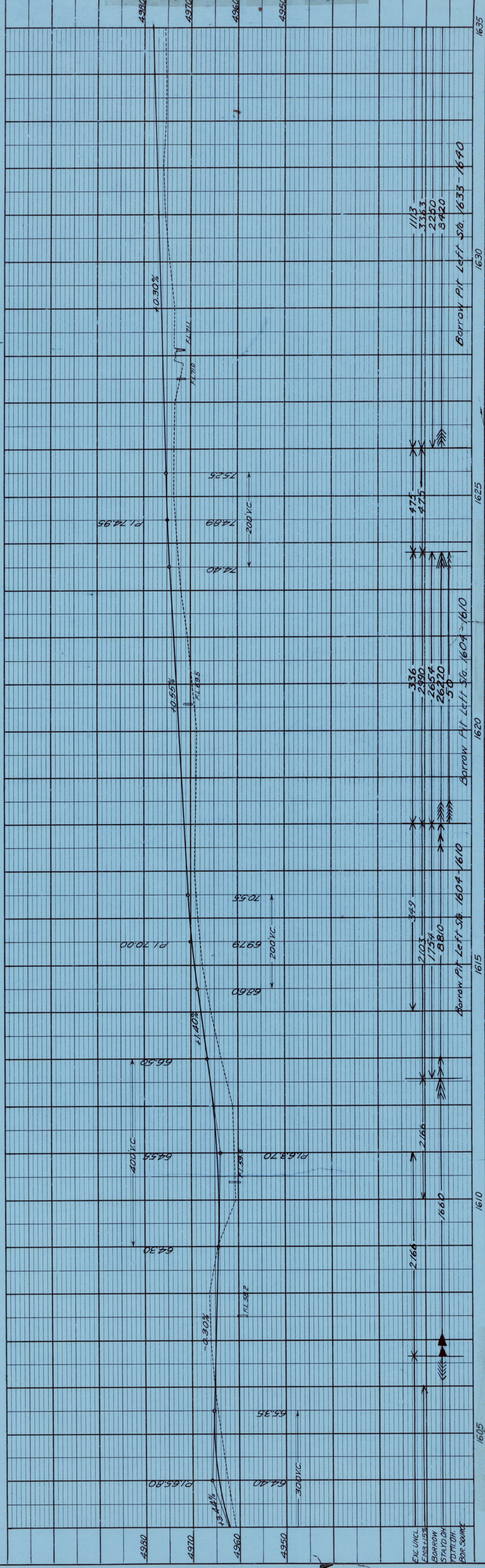
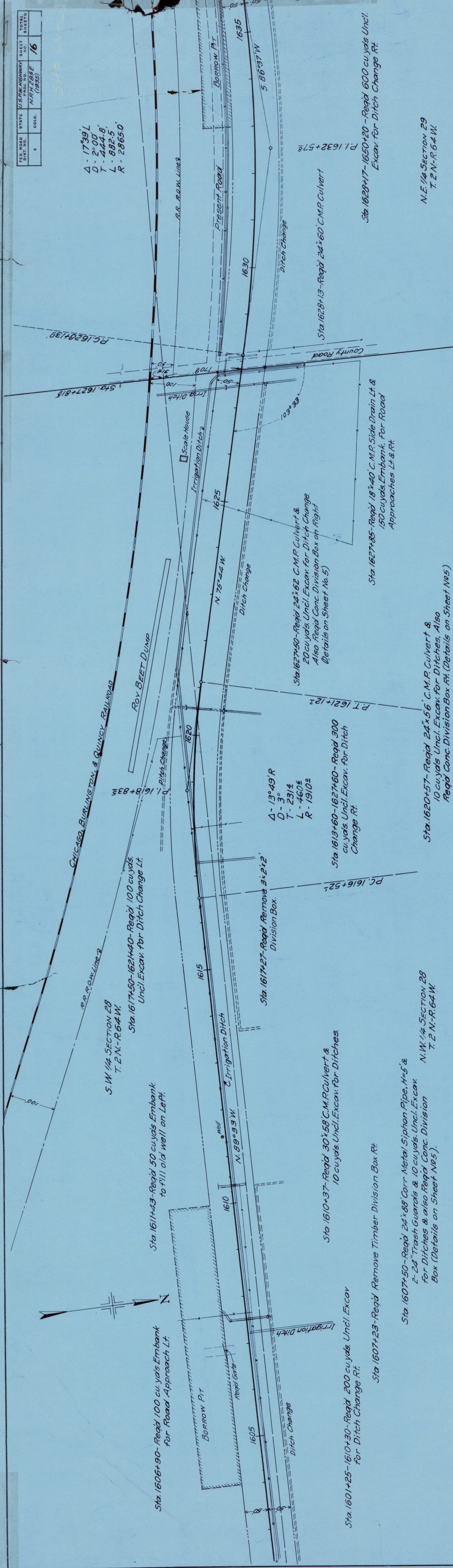


RECOMMENDED FOR APPROVAL 9/24/34
APPROVED
CHIEF ENGINEER
STATE HIGHWAY ENGINEER
RECOMMENDED FOR APPROVAL
DIST. ENGR. BUREAU PUBLIC TOOLS
RECOMMENDED FOR APPROVAL
CHIEF ENGR. BUREAU PUBLIC TOOLS
APPROVED
DIRECTOR BUREAU PUBLIC TOOLS

[illegible]

NOTE BOOK	Page No.
DATE	
TIME	
BY	
FOR	
REMARKS	





PLAN	SURVEYED		
	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
	No. 3821		
	BY		DATE

PROFILE		SURVEYED		PLOTTED		GRADE CHECKED		B. M.'s NOTED		STATIONING NOTATIONS CHECKED	
No. 38224											
DATE		BY									

DATE	BY	REVISION	NO.
1/15/50	J.M.	1	1

APPROXIMATE LOCATION OF PIT FOR
SELECTED BINDER MATERIAL
OWNER C.M. IRELAND, DENVER, CO.
APPROXIMATE Haul from center of pit to Sta 1753+00 - 3800 ft

$\Delta = 24.27^\circ$
 $D = 2700'$
 $T = 629.4'$
 $L = 1239.2'$
 $R = 28650'$

S.E. 1/4 SECTION 30
T. 2 N. R. 64 W.

DOT 1638+00

DOT 1712+22

DOT 1718+20

CHICAGO, BURLINGTON, & QUINCY RAILROAD

RAILROAD R.O.W. LINE

Sta 1709+86.0 - 1710+14.5 - Road 18' x 27' Sixteen Treasures
Timber Trestle (Details on Sheet No. 3)
& 2000 cu yds Uncl. Excan for Channel
Change. Material to be used for dikes and
for filling old channel. Also req'd 4' 60
ft lengths Wire Cable Guard Fence.

Sta 1708+00 - Road 50 cu yds
Fillbank for Road Appro. Rt.

Sta 1703+50 - Road 30 x 60 C.M.P. Culvert
& 10 cu yds Uncl. Excan for Ditches.

S.W. 1/4 SECTION 30
T. 2 N. R. 64 W.

Sta 1728+38 - 1729+64 - Remove Conc Ditch Rt.

PI 1725+49.1

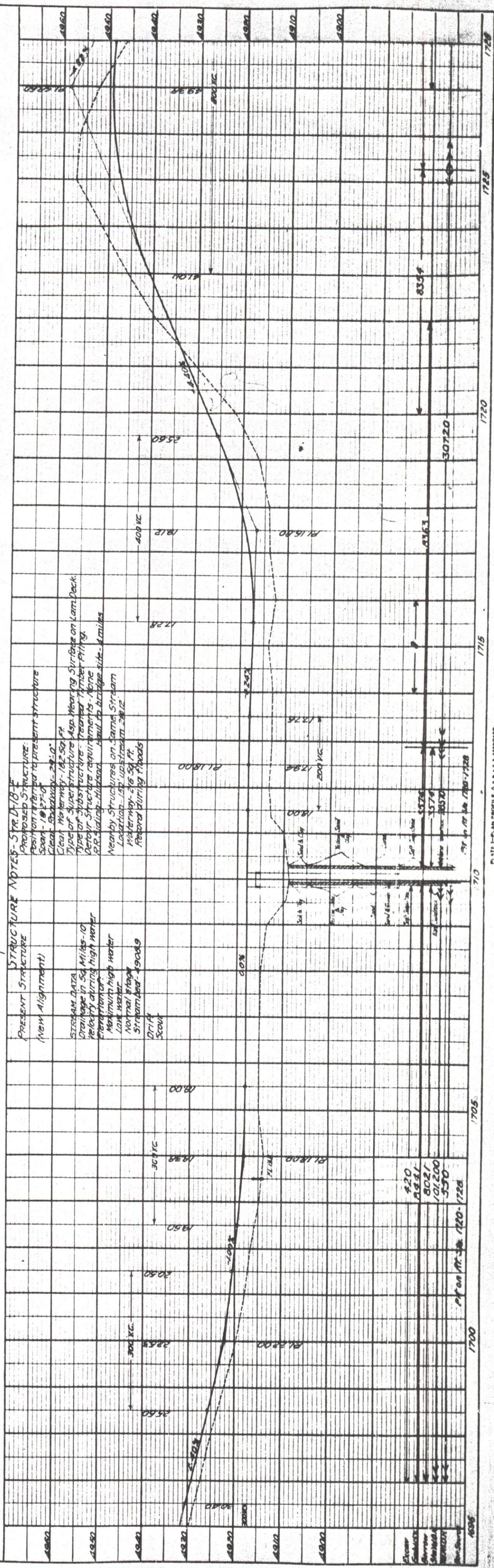
Sta 1729+38 - Road Remove 15'
20 C.M.P. Culvert

BOONWY PIT - OWNER J.M. IRELAND, DENVER, COLORADO

STRUCTURE NOTES - STATION 1718

PRESENT STRUCTURE
(New Alignment)
Stream Data
Drainage in Sq. Miles - 10
Velocity during high water
Penetration
Minimum high water
Low water
Normal stage
Streambed - 1900' 9"
DTM
Scout

PROPOSED STRUCTURE
Position referred to present structure
Span - 100 ft - 0"
Clear roadway - 28' - 0"
Clear waterway - 18' - 5" ft
Type of Superstructure - Asp. wearing surface on Lam. Deck
Type of Substructure - Treated Timber Piling
Detail Structure requirements - None
R.R. Safety Clearance - Haul to bridge site - 4 miles
Nearby Structures on Same Stream
Location 1/20 upstream 200'
Waterway 4' 60 Sq. ft
Reared during floods



DATE	BY	REVISION	NO.
1/15/50	J.M.	1	1

DATE	BY	REVISION	NO.
1/15/50	J.M.	1	1

PLATE 1 - PLAN PROFILE & R.R. & RAILROAD
SEE REVERSE SIDE OF SHEET

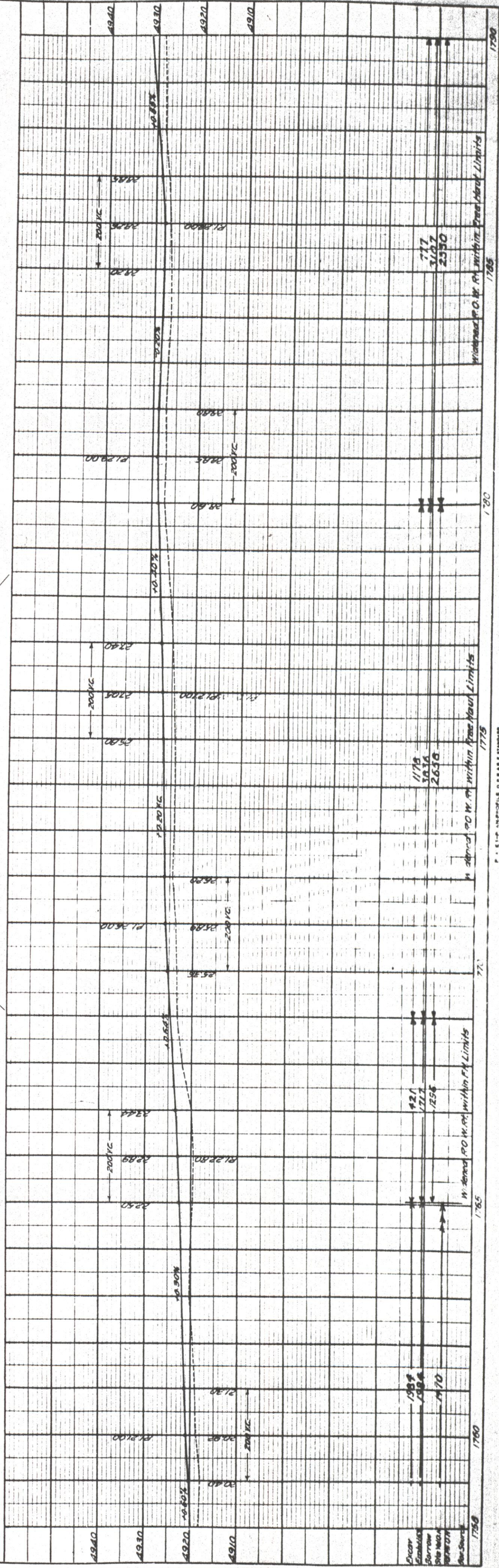
PROFILE	RT	DATE
UNPLOTED		
PLOTTED		
AMMO CHARGES		
S. M.'S. PLOT		

S. W. 1/4 SECTION 36
T2N-R65W

6.59, 6.42, 1.00

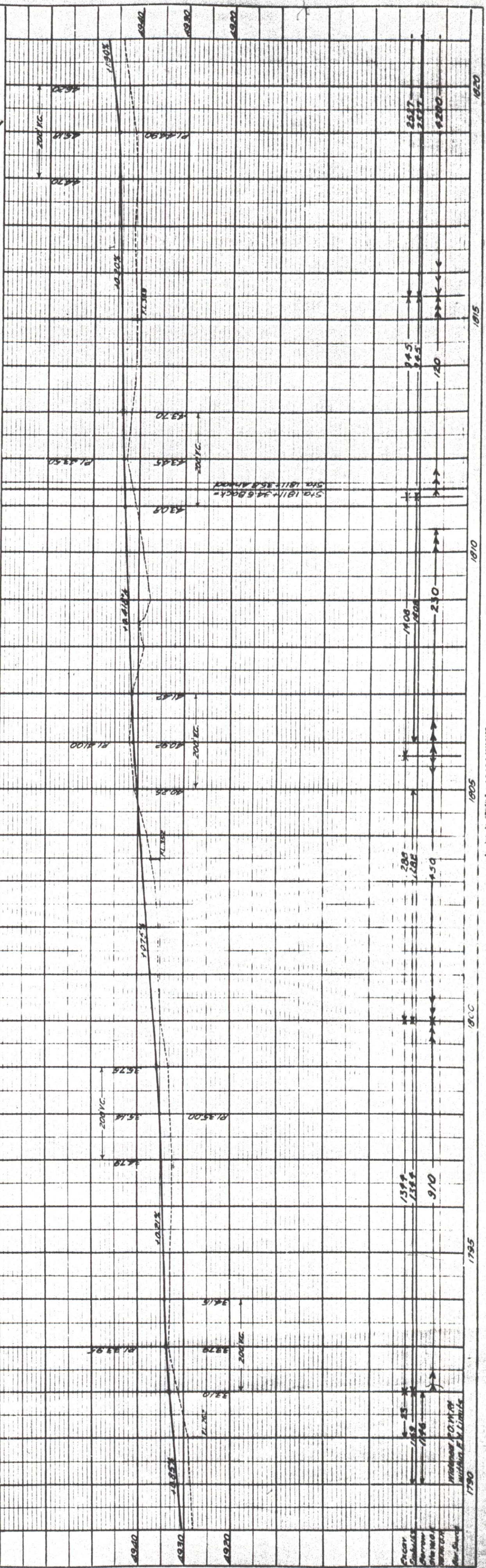
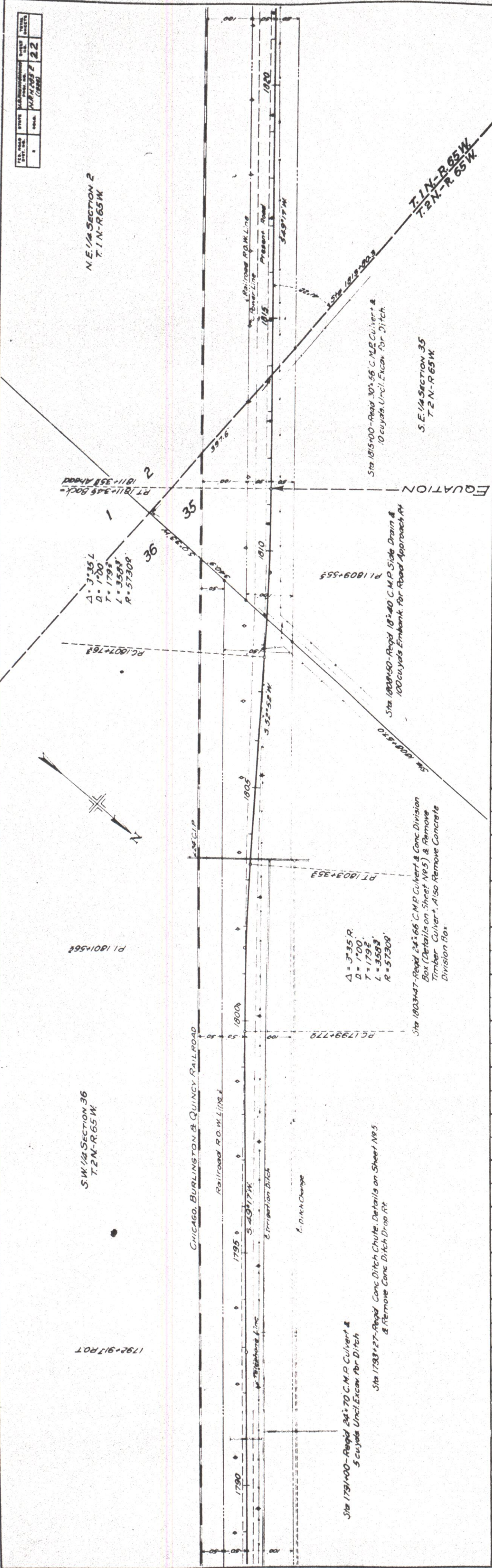
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	DOOR TO	NOTE BOOK	No. 107
	PLOTING	SAMPLES OBTAINED	
	B. & W. PHOTO		
	STANDARDIZING MATERIALS CHECKED		



P: E1-P AN-PROFILS OPHABE STANDARD

DATE	BY	REVISION
10/1/56	W.F.	1
10/1/56	W.F.	2



DATE	BY	REVISION
10/1/56	W.F.	1
10/1/56	W.F.	2

DATE	BY	REVISION
10/1/56	W.F.	1
10/1/56	W.F.	2

1" = 40' HORIZ. 1" = 4' VERT. 1" = 1' 0" CURV. RAD.

PLAN	DATE	BY	DATA
DATE: 1955	1955	1955	1955
DATE: 1955	1955	1955	1955
DATE: 1955	1955	1955	1955

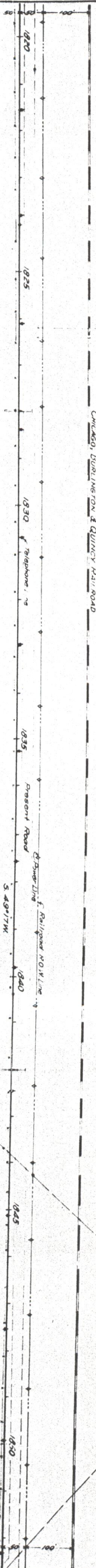
PROFILE	DATE	BY	DATA
DATE: 1955	1955	1955	1955
DATE: 1955	1955	1955	1955
DATE: 1955	1955	1955	1955

N. 1/4 SECTION 2
T. 1 N. R. 65 W.

POT 1823+99.9

CHURCH, BURLINGTON & QUINCY RAILROAD

POT 1840-96.5



Sta. 1826+27 - Road 18' 30" C.M.P. Side Drain &
50 cu yds Embank for Road Approach 1/4

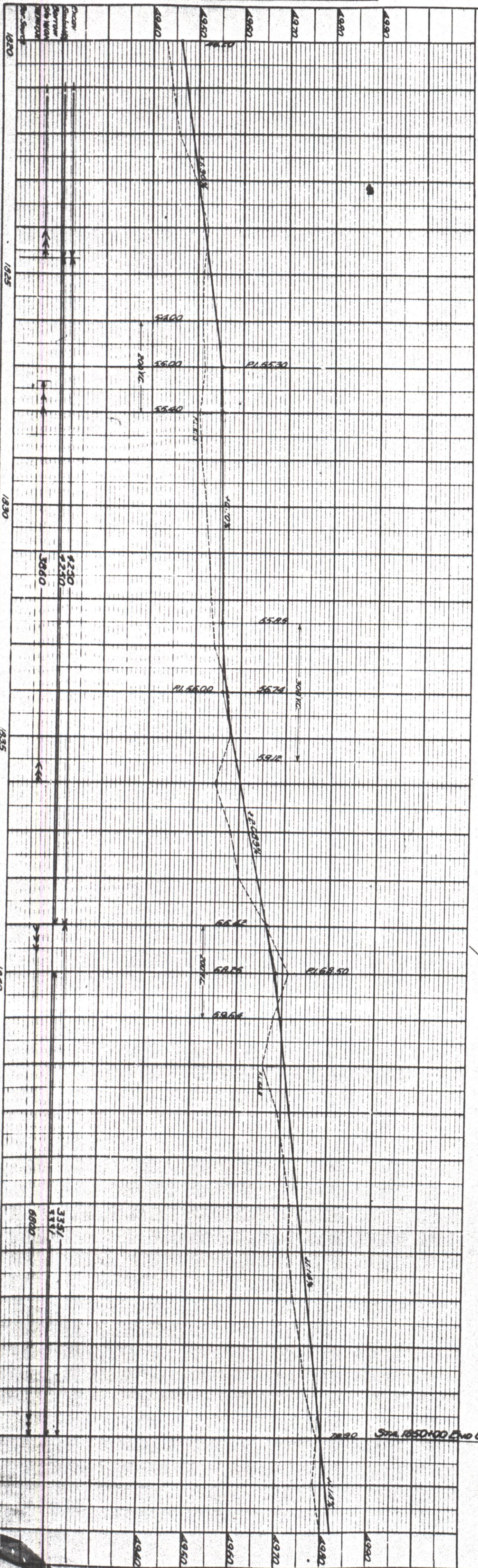
Sta. 1828+00 - Road 24' 60" C.M.P. Culvert &
10 cu yds Uncl. Excav for Ditches

Sta. 1842+00 - Road 24' 58" C.M.P. Culvert &
10 cu yds Uncl. Excav for Ditches

Sta. 1850+00 - Road Project Marker & 100 cu yds
Embank for Approach to Project

N. 1/4 SECTION 2
T. 1 N. R. 65 W.

Sta. 1850+00 End U.S. R.W.H.R. N.R.H. 285E (1935)



DATE: 1955
BY: 1955
DATA: 1955

DATE	BY	DATA
1955	1955	1955
1955	1955	1955
1955	1955	1955