

COLORADO

STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. 175-AR-NO 5. STATE HIGHWAY NO. 2

SEDGWICK COUNTY

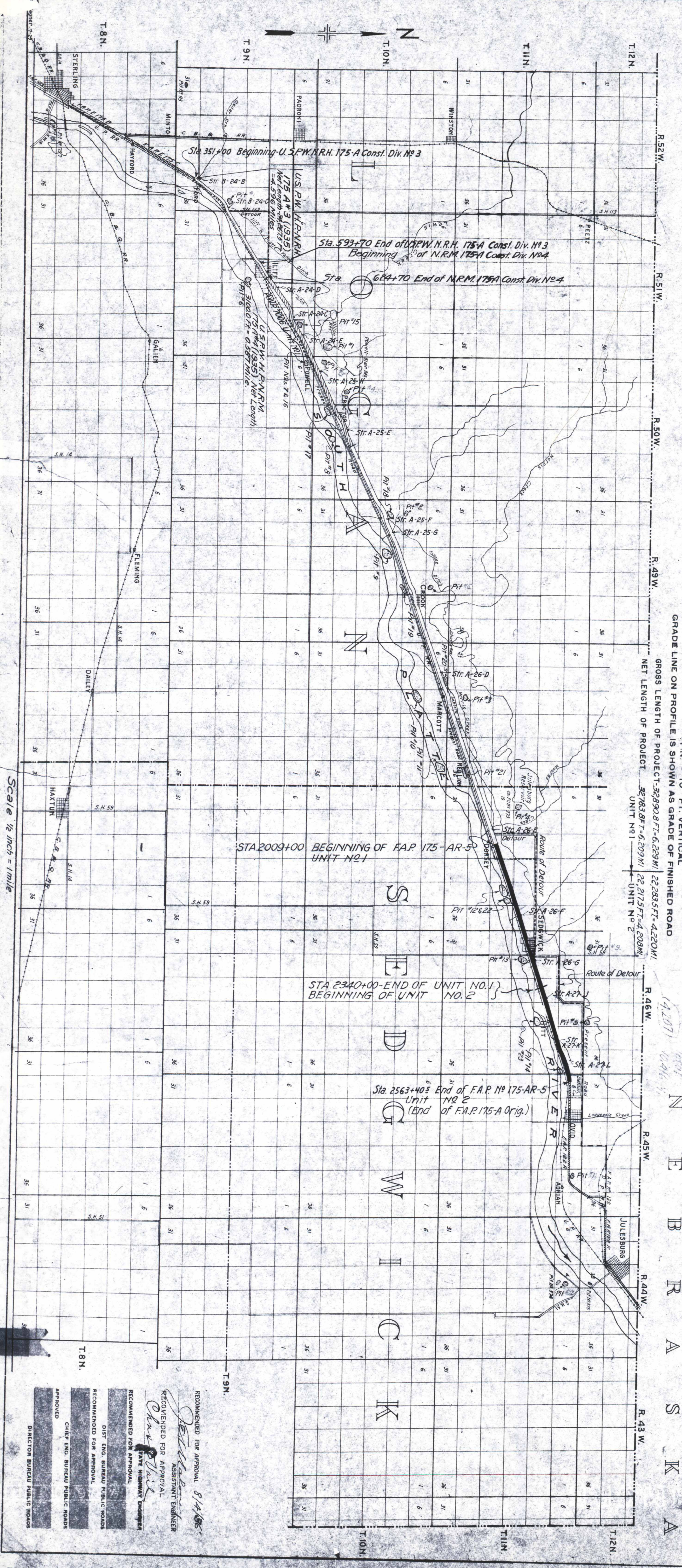
SCALES OF ORIGINAL TRACINGS
ON PLAN, 1 IN. = 100 FT.
ON PROFILE 1 IN. = 10 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL

GROSS LENGTH OF PROJECT 32,290.8 FT. = 6.229 MI.
NET LENGTH OF PROJECT 32,783.8 FT. = 6.229 MI.
UNIT NO. 1 22,283.5 FT. = 4.220 MI.
UNIT NO. 2 22,217.5 FT. = 4.209 MI.

Sheet No. 1 The Sheet

- 1 Typical Section and Summary
- 2 List of Structures
- 3 4&4 Details of Bridges Sta. 2181+50, 2182+1 & 2437+30
- 4 Details of Approach Slabs
- 5 Standard concrete Box Culverts
- 6 Wire Cable Guard Fence
- 7 Structure Number Lettering
- 8 Super-elevation of Curves
- 9 Approach Roads and Traffic Signs
- 10 Plan and Profile

- #### CONVENTIONAL SIGNS
- Center Line of Improvement
 - Right of Way Line
 - Township or Range Line
 - Section Line
 - 1/4 Section Line
 - Railroad Track
 - Fence Line
 - Pole Line
 - Row Line with Marker



Scale 1/2 inch = 1 mile

RECOMMENDED FOR APPROVAL 8/14/36
William H. P. Clark
 ASSISTANT ENGINEER
 STATE HIGHWAY DEPARTMENT

RECOMMENDED FOR APPROVAL
Chas. Platt
 CHIEF ENGINEER, BUREAU PUBLIC ROADS

RECOMMENDED FOR APPROVAL
 DIST. ENG. BUREAU PUBLIC ROADS

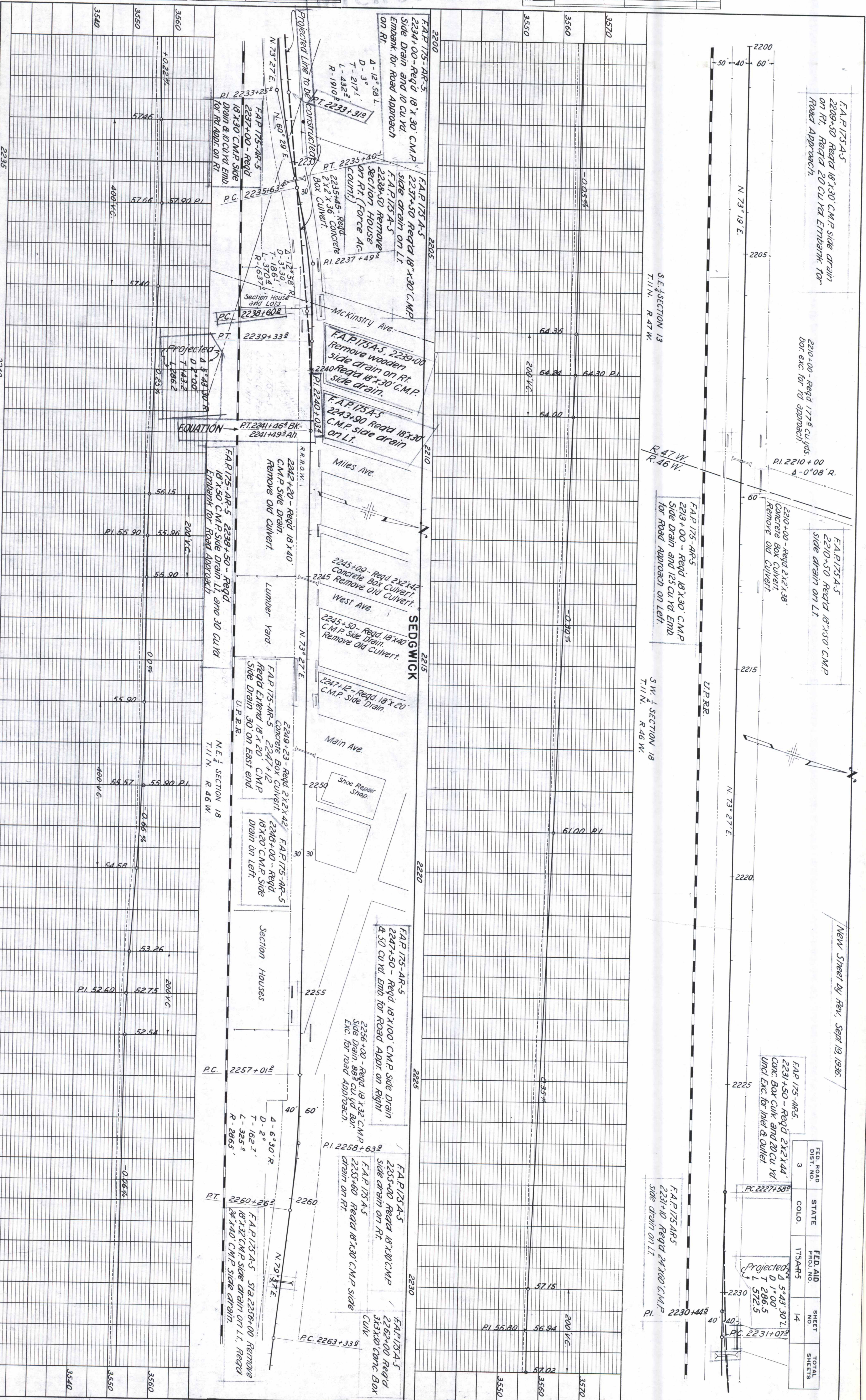
APPROVED
 DIRECTOR BUREAU PUBLIC ROADS

FED. ROAD STATE	175-AR-5	SHEET TOTAL
DIST. NO.	3	NO. SHEETS
COUNTY	175-AR-5	1

SH 175-AR-5

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	B. M.S. NOTED		
	STRUCTURE NOTATIONS CHK'D		

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



F.A.P. 175-A-5
2209+50 Reqd 18"x30" C.M.P. side drain
on Rt. Reqd 20 CU Yd Embank. for
Road Approach.

2210+00 - Reqd 177.6 CU Yds.
DOR. Exc. for rd approach.

F.A.P. 175-A-5
2210+50 Reqd 18"x30" C.M.P.
side drain on Lt.

2210+00 - Reqd 212x38"
Concrete Box Culvert.
Remove Old Culvert.

F.A.P. 175-AR-5
2213+00 - Reqd 18"x30" C.M.P.
Side Drain and 125 CU Yd Emb.
for Road Approach on Left.

New Sheet by Rev. Sept 19, 1936.

FED. ROAD DIST. NO.	STATE	COLO.	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3			175AR-5	14	

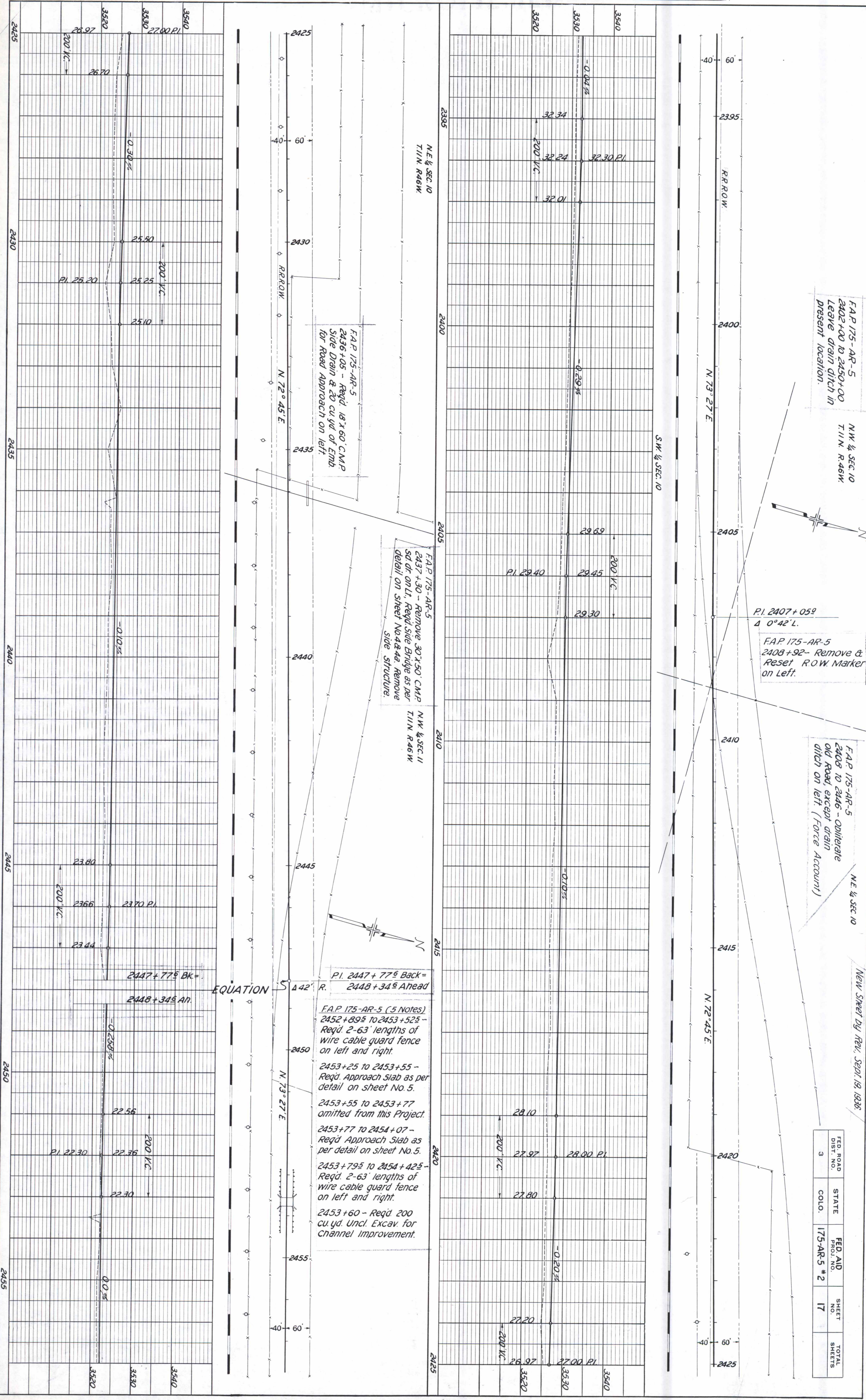
F.A.P. 175-AR-5
2231+50 - Reqd 212x44"
CONC. BOX CULV. AND 20 CU Yd
UND. Exc. for Inlet & Outlet

Projected
D 5°43'30" L
T 1'286.5
L 572.5

F.A.P. 175-AR-5
2231+10 Reqd 24"x60" C.M.P.
side drain on Lt.

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	GRADES CHECKED		
	S. M.S. NOTED		
	STRUCTURE NOTATIONS CH'KD.		

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		



F.A.P. 175-AR-5
2402+00 to 2450+00
Leave drain ditch in
present location.

NW 1/4 SEC. 10
T. 11 N. R. 46 W.

P.I. 2407+05.9
4 0° 42' L.
F.A.P. 175-AR-5
2408+92 - Remove &
Reset ROW Marker
on Left.

F.A.P. 175-AR-5
2408 to 2446 - Obliterate
old Road, except drain
ditch on left. (Force Account)

NE 1/4 SEC. 10

New Street by Rev. Sept. 18, 1936

F.A.P. 175-AR-5
2436+05 - Req'd. 18' x 60' C.M.P.
Side Drain & 20 cu yd of Emb.
for Road Approach on left.

F.A.P. 175-AR-5
2437+30 - Remove 30' x 50' C.M.P.
Side Bridge as per
detail on sheet No. 4 & 4a. Remove
side structure.

NW 1/4 SEC. 11
T. 11 N. R. 46 W.

P.I. 2447 + 77.6 Back =
2448 + 34.6 Ahead

F.A.P. 175-AR-5 (5 NOTES)
2452+89.5 to 2453+52.5 -
Req'd. 2-63' lengths of
wire cable guard fence
on left and right.
2453+25 to 2453+55 -
Req'd. Approach Slab as per
detail on sheet No. 5.
2453+55 to 2453+77
omitted from this Project.
2453+77 to 2454+07 -
Req'd. Approach Slab as
per detail on sheet No. 5.
2453+79.5 to 2454+42.5 -
Req'd. 2-63' lengths of
wire cable guard fence
on left and right.
2453+60 - Req'd. 200
cu yd. Uncl. Excav. for
channel Improvement.

EQUATION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	175-AR-5 # 2	17	

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO. 2271	PLOTTED		
	GRADES CHECKED		
	B.M.S. NOTED		
	STRUCTURE NOTATIONS CHKD.	S.B.L.	June 28

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO. 2266	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
		S.B.L.	June 28

NOTE: Timber Headers & Fence required are tabulated on Sheet No. 3, S.W. 1/4 Section 21

2044-50 Reg'd 24'x18' Concrete Sign on Road

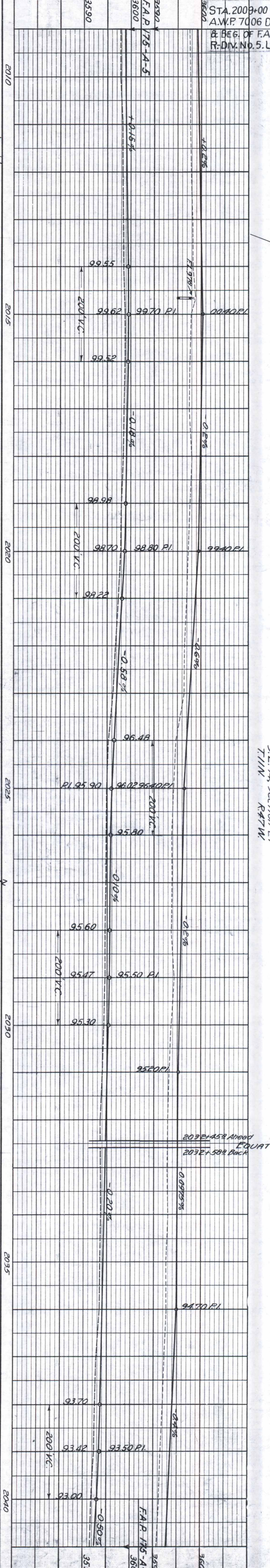
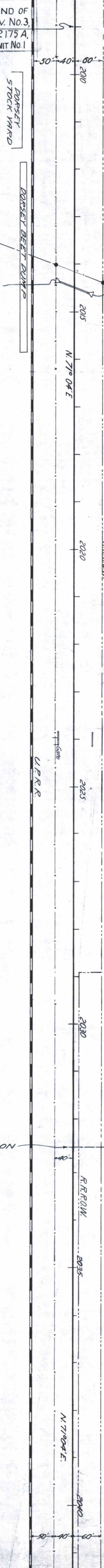
F.A.P. 175-A-5
2024+00 Remove 18" x 30" C.M.P. side drain on Lt. Reg'd 30" x 30" C.M.P. side drain

F.A.P. 175-A-5
2027+00 Remove 18" x 30" C.M.P. side drain on Lt. Reg'd 30" x 30" C.M.P. side drain

2032+50⁸ Back
2032+50⁸ Ahead

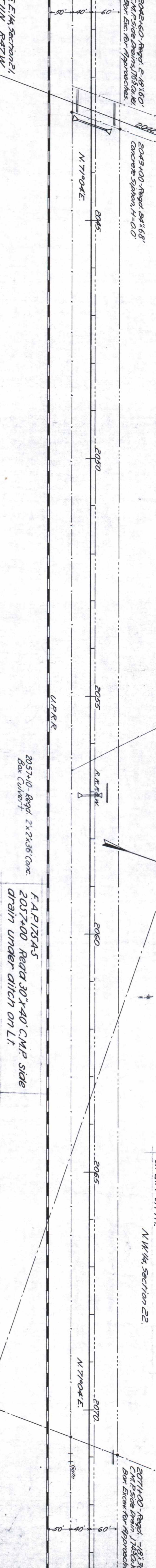
Revised const 4-10-53 T.G.C.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	INDIA	175 A	34	11



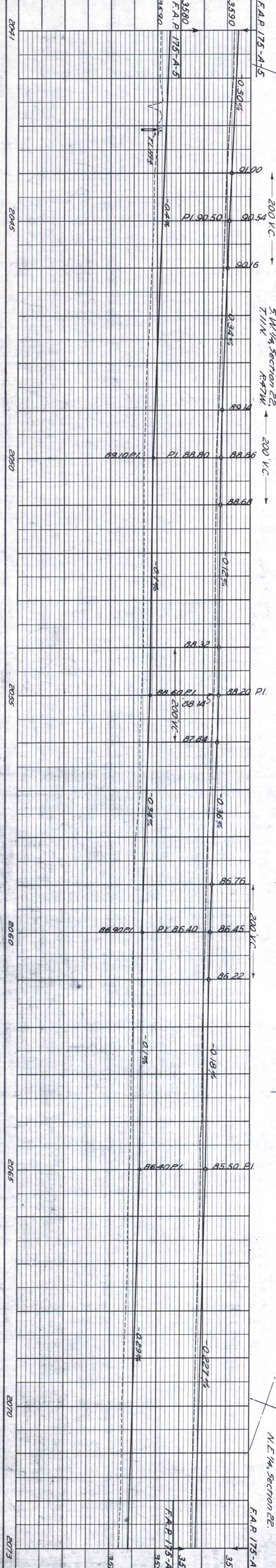
F.A.P. 175-A-5
2042+60 Remove 18" x 60" C.M.P. side drain on Lt. Reg'd 30" x 60" C.M.P. side drain

F.A.P. 175-A-5
2071+00 Remove 18" x 30" C.M.P. side drain on Lt. Reg'd 30" x 30" C.M.P. side drain. Retain 18" x 30" C.M.P. side drain on Rt.



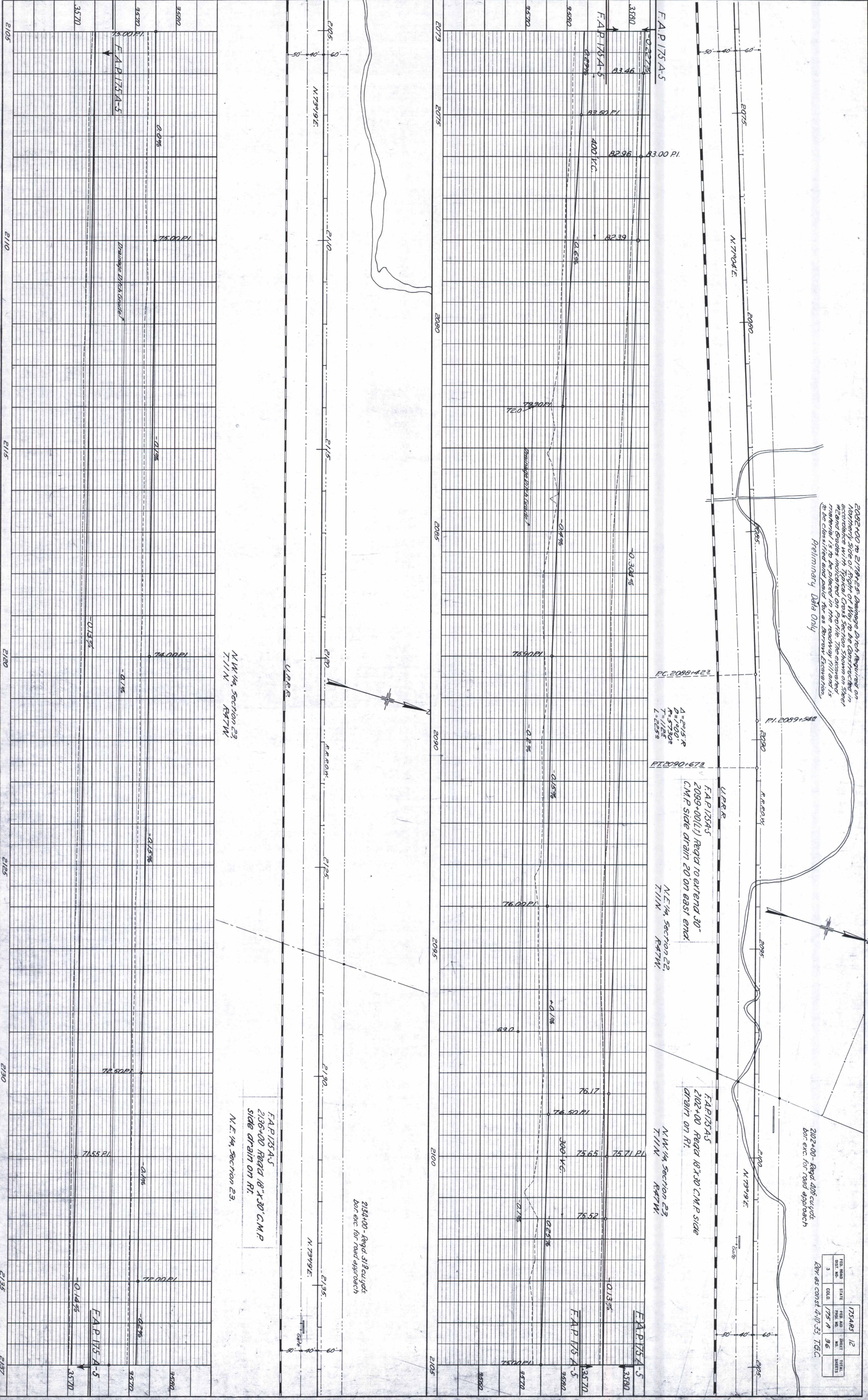
F.A.P. 175-A-5
2057+00 Reg'd 2' x 2' x 36" Conc. Box Culvert

F.A.P. 175-A-5
2057+00 Reg'd 30" x 40" C.M.P. side drain under ditch on Lt.



PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO. 2271	PLOTTED		
	GRADES CHECKED		
	S. M.S. NOTED		
	STRUCTURE NOTAT'NS CH'KD	S.A.L.	June 23

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO. 2266	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
		S.A.L.	June 23



2082+00 to 2178+25 Drainage Ditch Required on accordance with the New York State Department of Transportation and Grades indicated on Profile. The excavated material is to be placed in the roadway fill and is to be classified and paid for as borrow foundation. Preliminary Data Only

202+00 - Reg'd 485 cu yds. bor. exc. for road approach

FILE NO.	175A87	12	TOTAL SHEETS
STATE	N.Y.		
PROJECT	175A	36	
SHEET			
DATE	3-10-33	T6C	

N.W. 1/4 Section 23
T.11N R.47W

F.A.P. 175A-5
2099+00(11) Reg'd 10 extend 30' C.M.P. side drain 20' on east end.
N.E. 1/4 Section 22
T.11N R.47W.

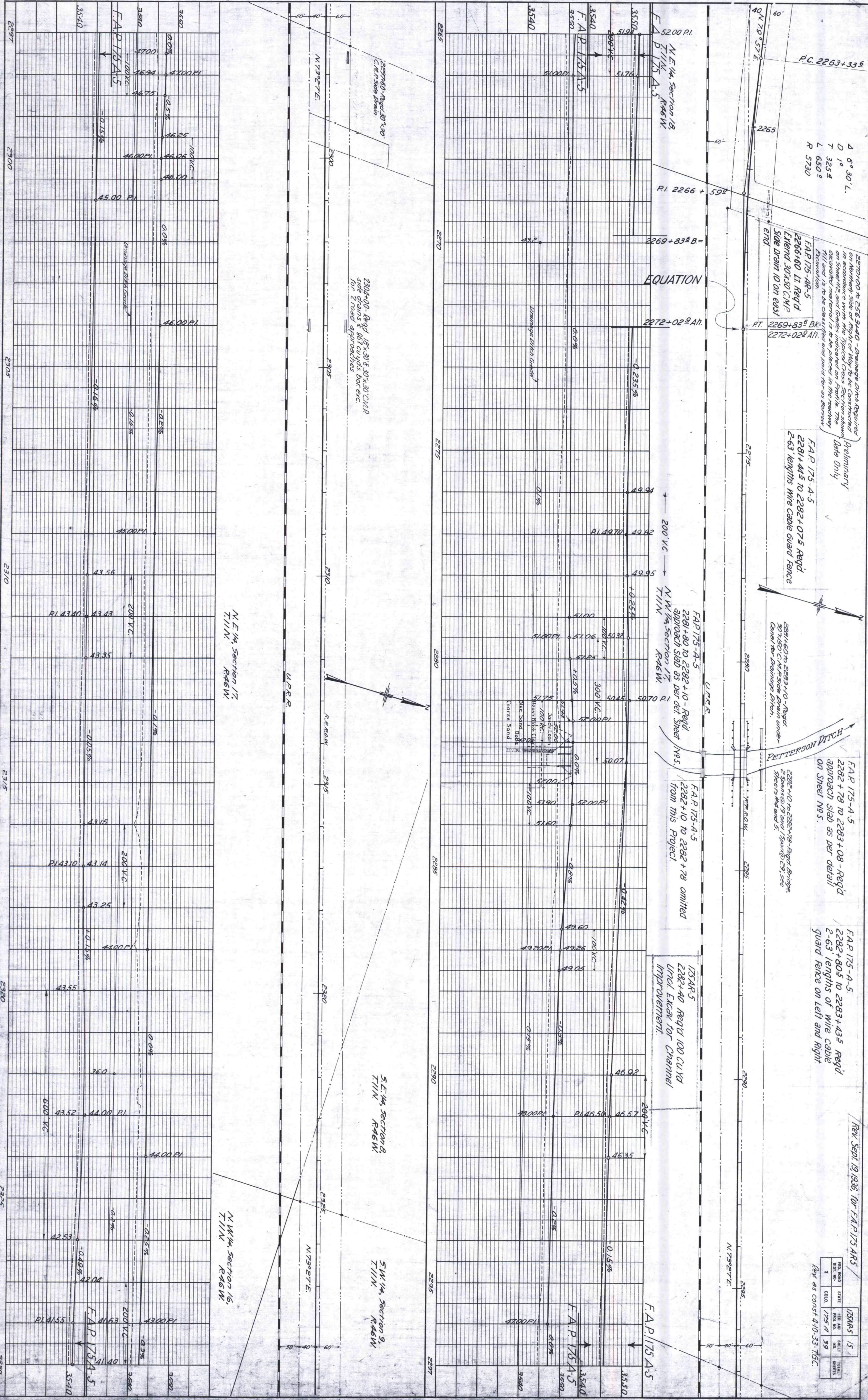
F.A.P. 175A-5
2102+00 Reg'd 18' x 30' C.M.P. side drain on Rt.
N.W. 1/4 Section 23
T.11N R.47W.

F.A.P. 175A-5
2136+00 Reg'd 18' x 30' C.M.P. side drain on Rt.
N.E. 1/4 Section 23.

2134+00 - Reg'd 318 cu yds bor. exc. for road approach

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO. 2272	PLOTTED		
	GRADES CHECKED		
	B. M.S. NOTED		
	STRUCTURE NOTATIONS CHK'D.	S.B.L.	JUNE 22

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO. 2266	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED	S.B.L.	JUNE 25



2270+00 to 2284+00 - Drainage Ditch Required on Northern Side of Right of Way to be Constructed in accordance with the Typical Cross Section shown on Sheet 175-A-5 and Grades indicated on Profile. The excavated material is to be placed in the roadway fill and is to be classed and paid for as borrow excavation.

Preliminary
Data Only
F.A.P. 175-A-5
2281+44.5 to 2282+07.5 Req'd
2-63 lengths Wire Cable Guard Fence

2281+80 to 2282+10 - Req'd
2-63 lengths Wire Cable Guard Fence
2-63 lengths Wire Cable Guard Fence
2-63 lengths Wire Cable Guard Fence
2-63 lengths Wire Cable Guard Fence

F.A.P. 175-A-5
2282+78 to 2283+08 - Req'd
Approach Slab as per detail
on Sheet No. 5.

F.A.P. 175-A-5
2282+80.5 to 2283+43.5 Req'd
2-63 lengths of Wire Cable
guard fence on left and right

175-A-5
2282+40 Req'd 100 CYD
Incl. Excav. for Channel
Improvement.

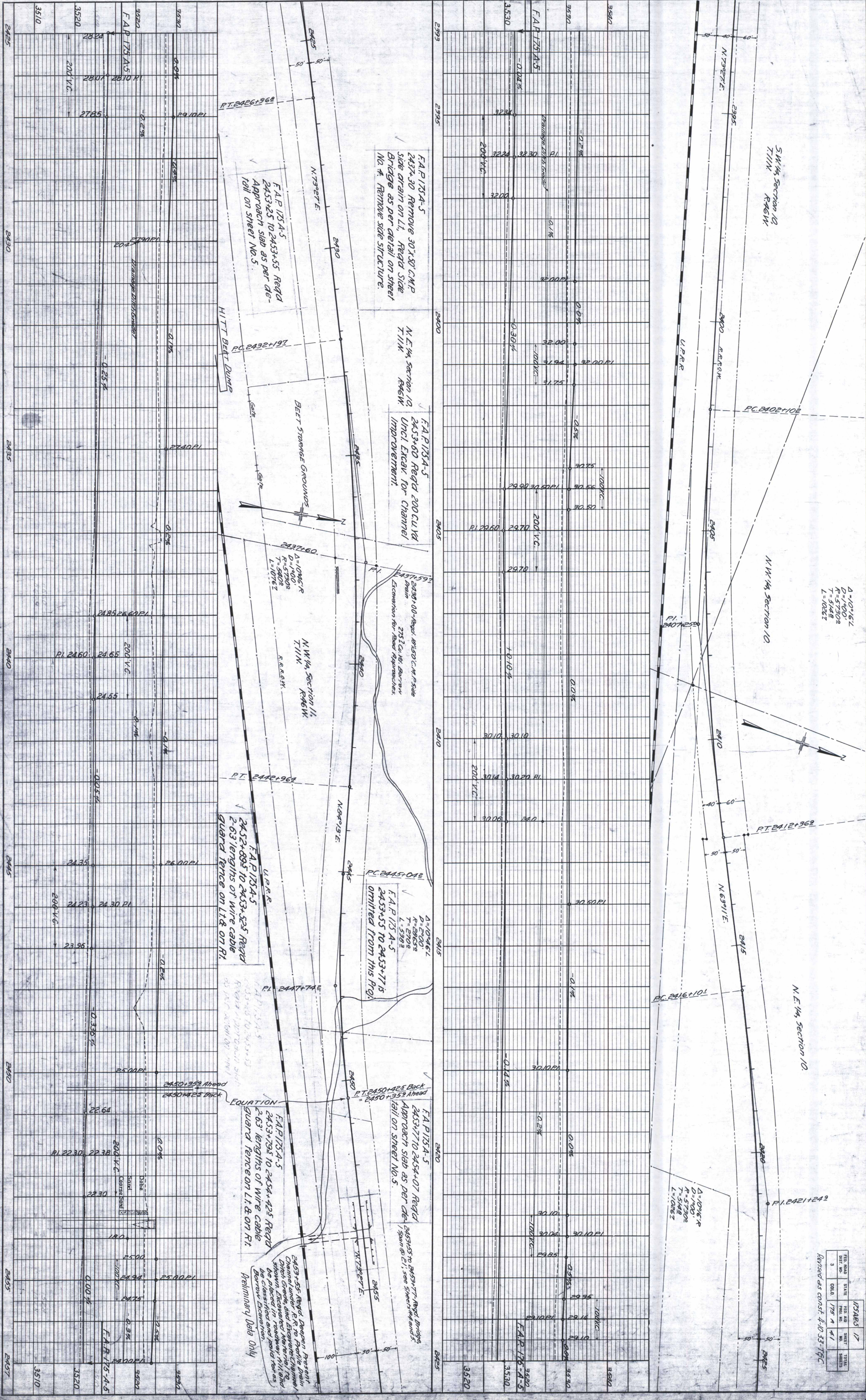
FILE NO.	175A-5	DATE	1/5
REV. NO.	1	DATE	1/5
REV. BY	399	DATE	1/5
REV. AS	CONST. 4-10-33-T.G.C.	DATE	1/5

PLATE 2 - PLAN PROFILE

2329

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO. 2272	GRADES CHECKED		
	R. M. NOTED		
	STRUCTURE NOTATIONS CHECKED	S.B.I.	June 23

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO. 2266	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED	S.B.I.	June 23



$\Delta = 10^{\circ}16'1$
 $D = 1400'$
 $R = 5730'$
 $T = 5148'$
 $L = 1062'$

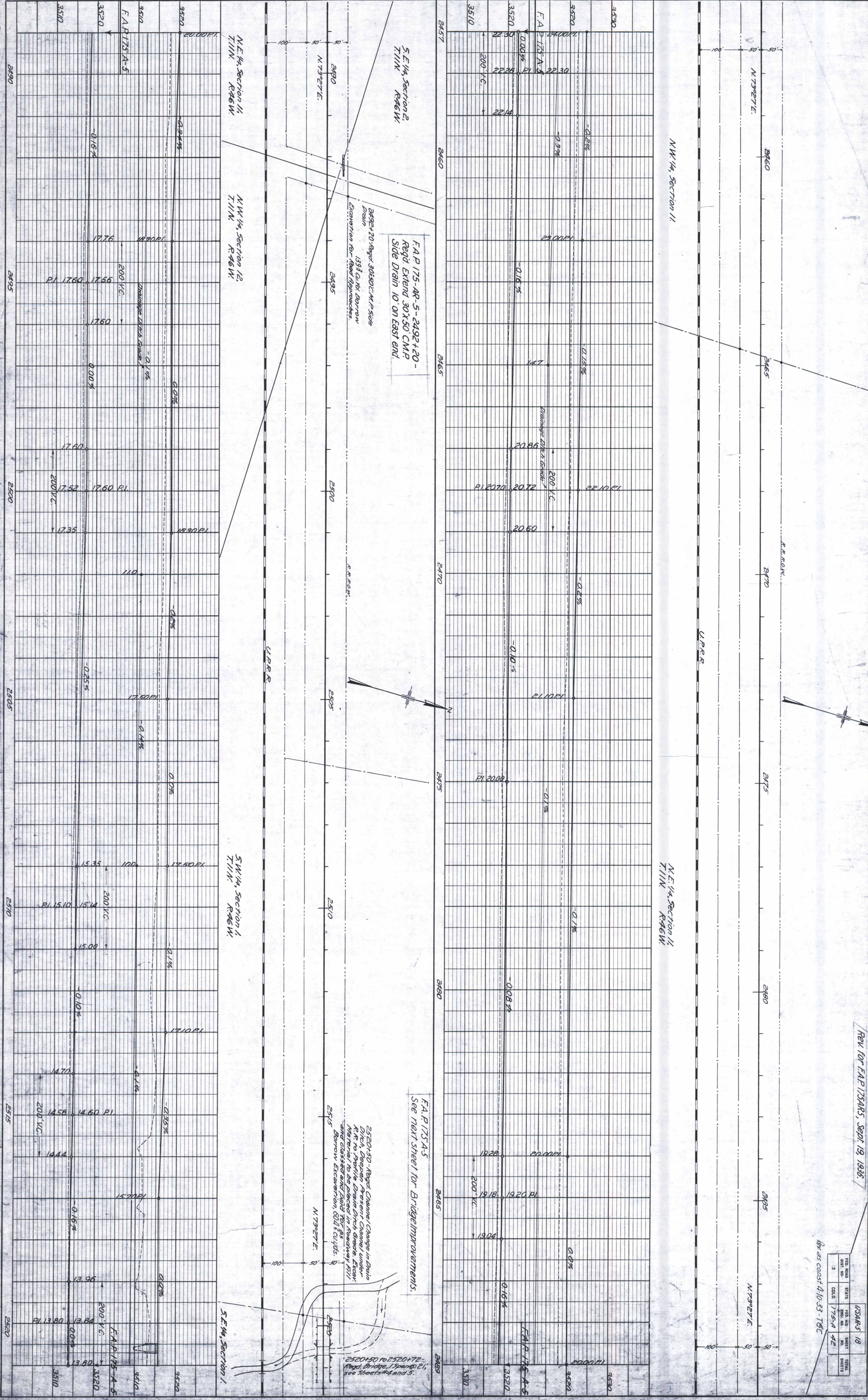
FILE NO.	STATE	FILE NO.	SHEET
3	GA.	175 A	41
Revised as const. 4-10-33-TBC			

PLATE 3 - PLAN - PROFILE

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO. 2272	PLOTTED		
	GRADES CHECKED		
	S. M.S. NOTED		
	STRUCTURE NOTATIONS CHK'D	S. B. L.	June 22

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO. 2266	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
		S. B. L.	June 22

MICROFILM



F.A.P. 175-AR-5-2492+20 -
Req'd. Extend 30x50 C.M.P.
Side Drain 10' ON EAST END.

2492+20 Reg'd. 30x50 C.M.P. Side
Drain
Excavation for Road Approaches
134' C.M.P. Borrow

F.A.P. 175-A-5
See next sheet for Bridge Improvements.

2520+50 - Reg'd. Change in Drain
Ditch, Drainage, Present Channel under
R.R. to Profile Drain Ditch grade. Extra
Material to be placed in Roadway Fill
and Classed and Paid for as
Borrow Excavation 60' x 4' x 4'.

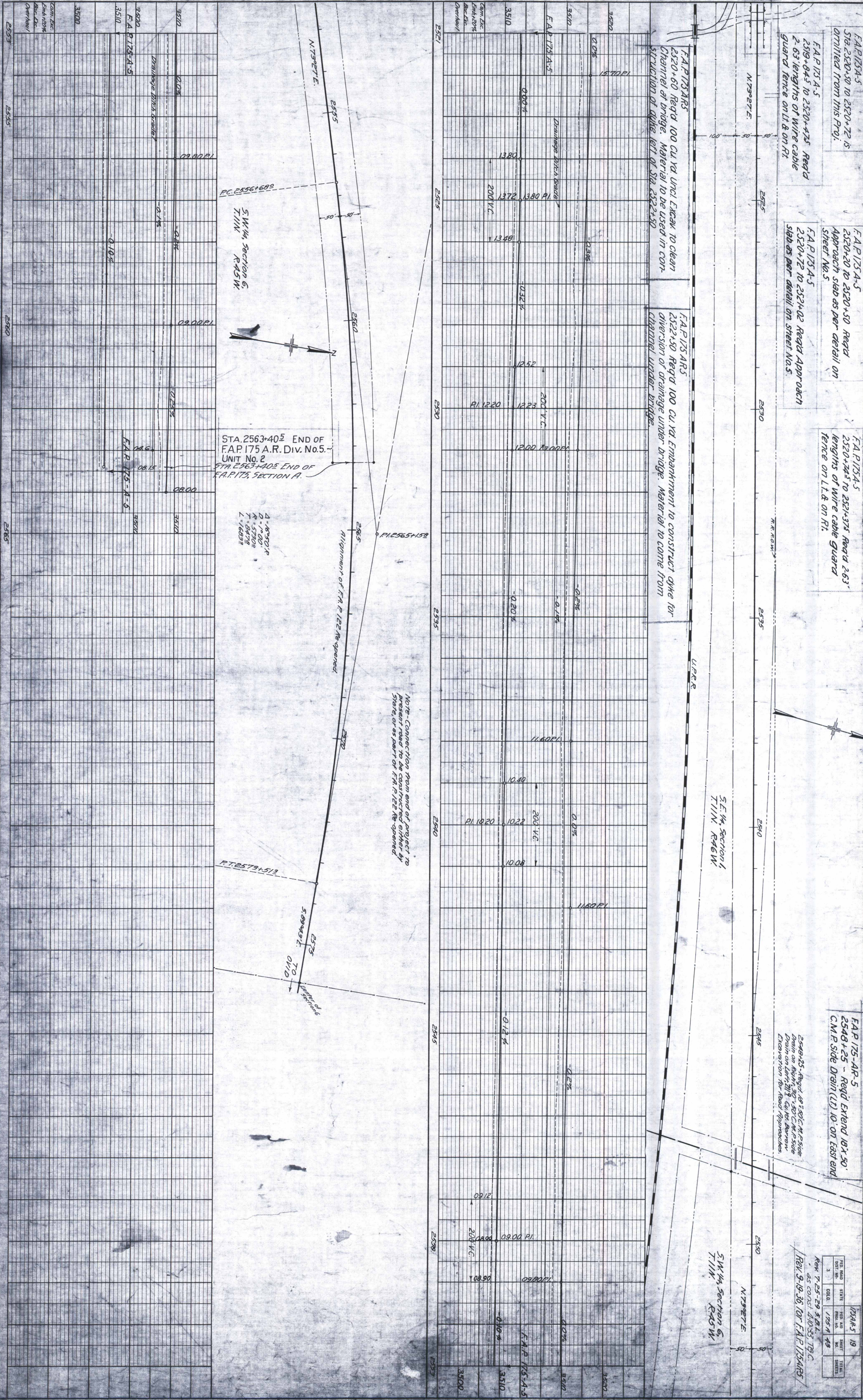
REV FOR F.A.P. 175A-5, Sept. 19, 1938.

DESIGN NO.	STATE	SECTION	DATE
3	IND.	175-A-5	1938
		175-A-5	1938
		175-A-5	1938

Rev as const 4-10-33 - T6C

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	GRADES CHECKED		
NO. 2272	B. M.S. NOTED		
	STRUCTURE NOTATIONS CHKD.	S.B.L.	June 24

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	ALIGNMENT CHECKED		
NO. 2266	RT. OF WAY CHECKED	S.B.L.	June 24



F.A.P. 175-A-5
 2520+50 to 2520+72.5
 Omitted from this Proj.
 F.A.P. 175-A-5
 2519+04.5 to 2520+47.5
 Reqd 2.63 lengths of wire cable
 Guard fence on Lt. & on Rt.

F.A.P. 175-A-5
 2520+20 to 2520+50
 Reqd Approach slab as per detail on
 Sheet No. 5
 F.A.P. 175-A-5
 2520+72 to 2524+02
 Reqd Approach
 slab as per detail on sheet No. 5

F.A.P. 175-A-5
 2520+74.5 to 2521+37.5
 Reqd 2.63
 lengths of wire cable Guard
 fence on Lt. & on Rt.

F.A.P. 175-AR-5
 2548+25 - Reqd Extend 18x50
 C.M.P. Side Drain (L.I.) 10' on East end
 2548+25 - Reqd 18x50 C.M.P. Side
 Drain on West side of C.M.P. Side
 Excavation for Road Approaches

REV	DATE	BY	DESCRIPTION
1	7-25-29	S.B.L.	AS CON. 41033 19.C
2	9-19-36	S.B.L.	FOR F.A.P. 175-A-5

PLATE 3 - Profile, Plan, & S. & E. of Roadway
 1934-5 19
 SHEET NO. 49