

INDEX OF SHEETS

- SHEET NO.
- 1 SKETCH MAP AND TITLE PAGE
 - 2 TYPICAL SECTIONS, GENERAL NOTES, TABULATION OF LENGTH & DESIGN DATA
 - 3 SUMMARY OF APPROXIMATE QUANTITIES
 - 4 SURFACING PLAN, SUB-BASE MATERIAL PLAN, FENCING REQUIREMENTS AND R.O.W. MARKERS
 - 5 TIMBER GUARD POSTS, DETAILS OF CONCRETE LINED DITCH, CONCRETE DROP BOXES AND CONCRETE MEASURING WEIR, AND SKETCH MAP OF MATERIAL PIT
 - 6-8 LIST OF STRUCTURE QUANTITIES
 - 9 DETAILS OF BRIDGE STA. 328+
 - 10 DETAILS OF INTERSECTION STA. 315+
 - 11 STANDARD METHODS FOR SUPERELEVATION & WIDENING OF CURVES
 - 12 STANDARD METHODS FOR SUPERELEVATING CURVES ON DIVIDED HIGHWAYS
 - 13 STANDARD SIDE APPROACH ROADS, FLARING, CUT SLOPE TREATMENT AND WIDENING AT BRIDGES & AT CREST OF GRADES
 - 14 STANDARD MARKER POSTS
 - 15 STANDARD LETTERS & FIGURES FOR YEAR NUMBERS & STRUCTURE NUMBERS
 - 16 STANDARD TIMBER GUARD POSTS
 - 17 STANDARD WIRE FENCE WITH STEEL POSTS
 - 18 STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS
 - 19 STANDARD CONCRETE INLET FOR MEDIAN DITCH
 - 20 STANDARD SINGLE AND DOUBLE CONCRETE BOX CULVERTS
 - 21 STANDARD WINGWALLS FOR VARIOUS TYPES OF CONCRETE BOX CULVERTS
 - 22 STANDARD HEADWALLS AND APRONS FOR C.M.P. CULVERTS
 - 23 STANDARD TYPES OF DITCHES AND CONSTRUCTION METHODS
 - 24 STANDARD SIPHON CORR.-GALV. IRON PIPE WITH CONC. INLET & OUTLET BOXES.
 - 25-37 ALIGNMENT PLAN & PROFILE
 - 38 DETAILS OF INTERSECTION STA. 568+ (FUTURE)
 - 39 SUMMARY OF EARTHWORK QUANTITIES AND TABULATION OF INTERCEPTING DITCHES
- CROSS SECTIONS
- 40-124

COLORADO
DEPARTMENT OF HIGHWAYS
PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. S 0087 (3)
STATE HIGHWAY NO. 7
BOULDER COUNTY

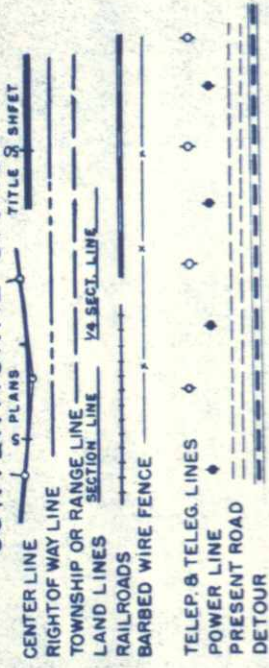
- M-1-C
M-1-C1
M-2-EM
M-7-C
M-10-B
M-19-D
M-27-C
M-29-A
M-46-A
M-50-A
M-50-AW
M-102-H
M-107-C
M-123-D

SCALES OF ORIGINAL DRAWINGS

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
F.A. LENGTH 33,632.9 FEET = 6.370 MILES
N.F.A. LENGTH 32.0 FEET = 0.006 MILES
GROSS LENGTH 33,664.9 FEET = 6.376 MILES

AS CONSTRUCTED PLANS
RETURN TO DIST. 4 DESIGN

CONVENTIONAL SIGNS

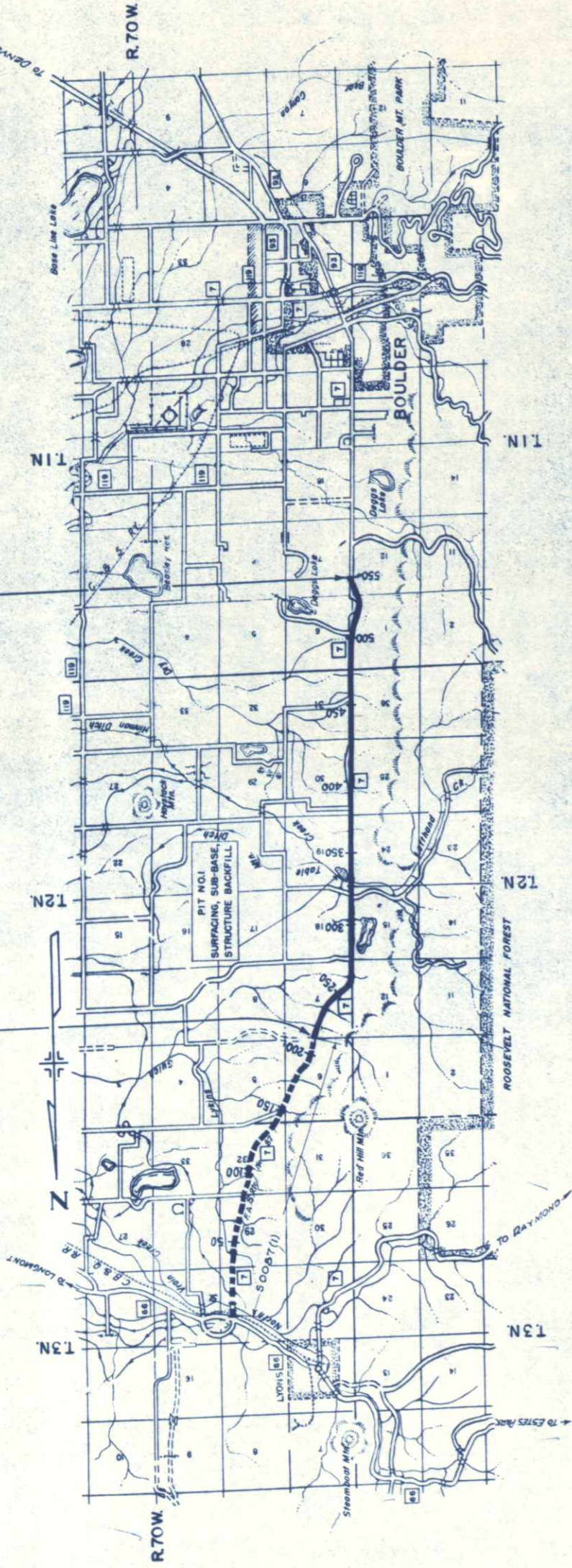


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- CROSS SECTIONS
- 40-124

STA. 218+00
BEG. S0087 (3)=
END S0087 (1)

STA. 554+67.5
END S0087 (3)



NOTICE TO BIDDERS

IT IS RECOMMENDED THAT BIDDERS ON THIS PROJECT GO OVER THE PLAN DETAILS WITH ONE OF THE FOLLOWING FIELD REPRESENTATIVES OF THIS DEPARTMENT: Greeley, Colo. E. W. Oviatt, Construction Engineer
Boulder, Colo. D. S. Moore, Resident Engineer
Home Telephone H-11111 2-1211

COLORADO
DEPARTMENT OF HIGHWAYS

APPROVED:

Chief Engineer
DATE 6-28-53

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

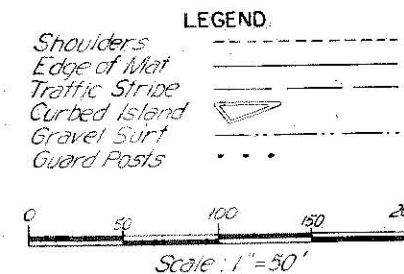
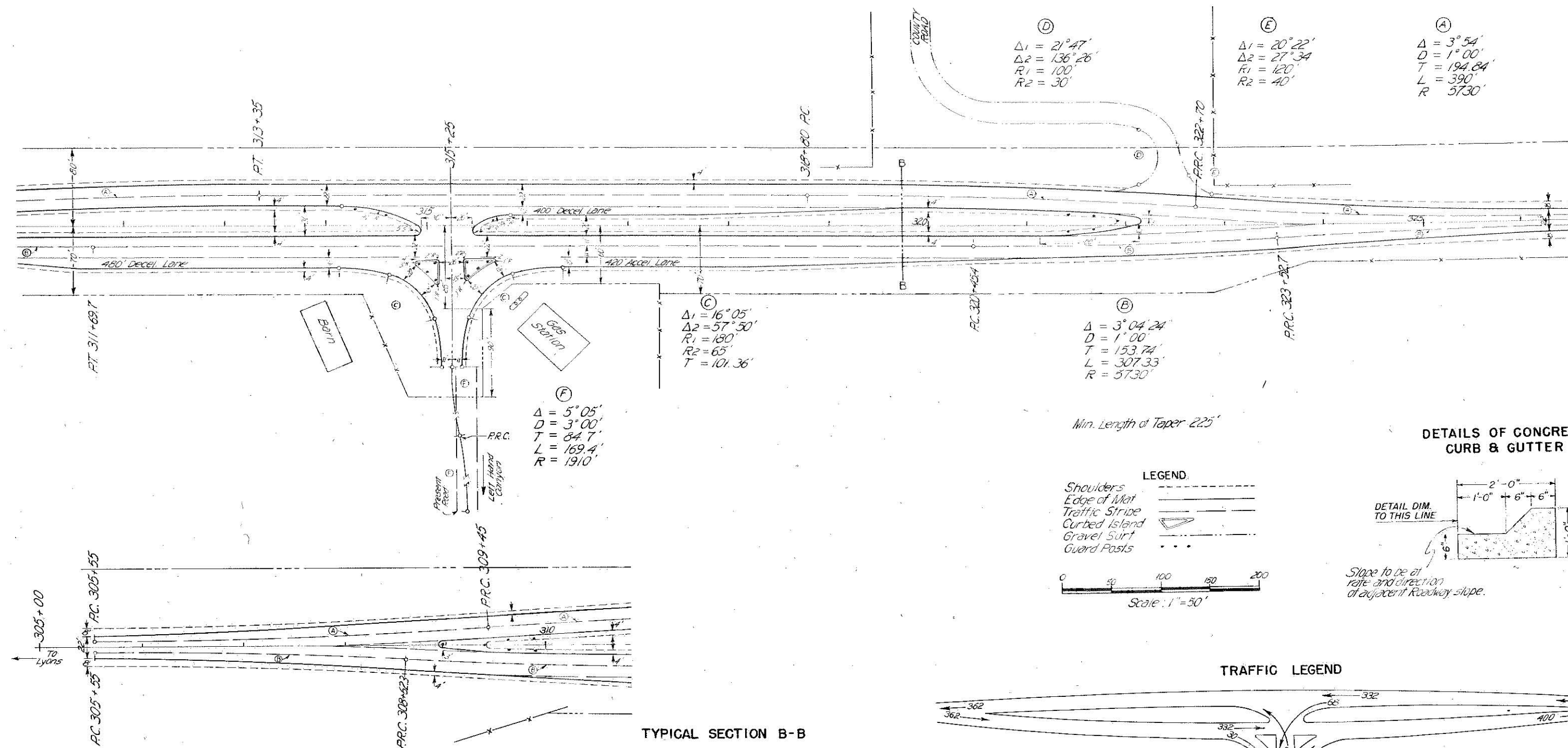
APPROVED:

DATE

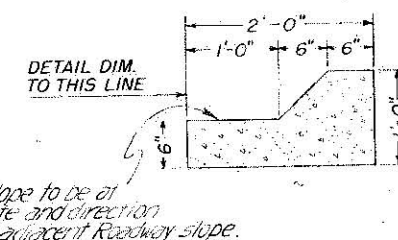
DISTRICT ENGINEER

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.
9	COLORADO	S 0087 (3)	10

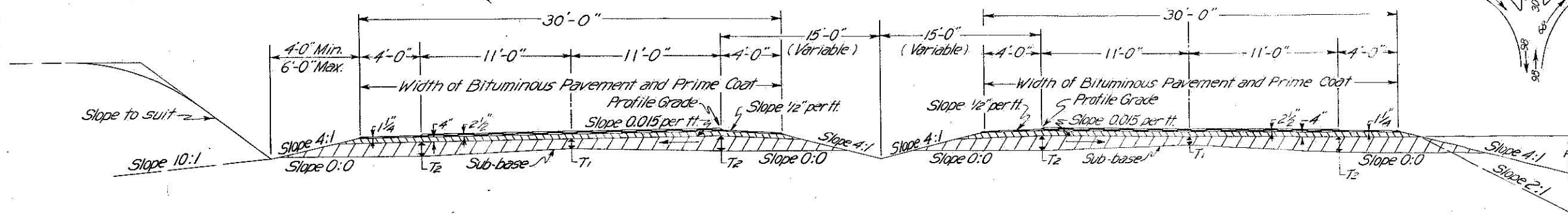
DETAILS OF INTERSECTION STA. 315 +



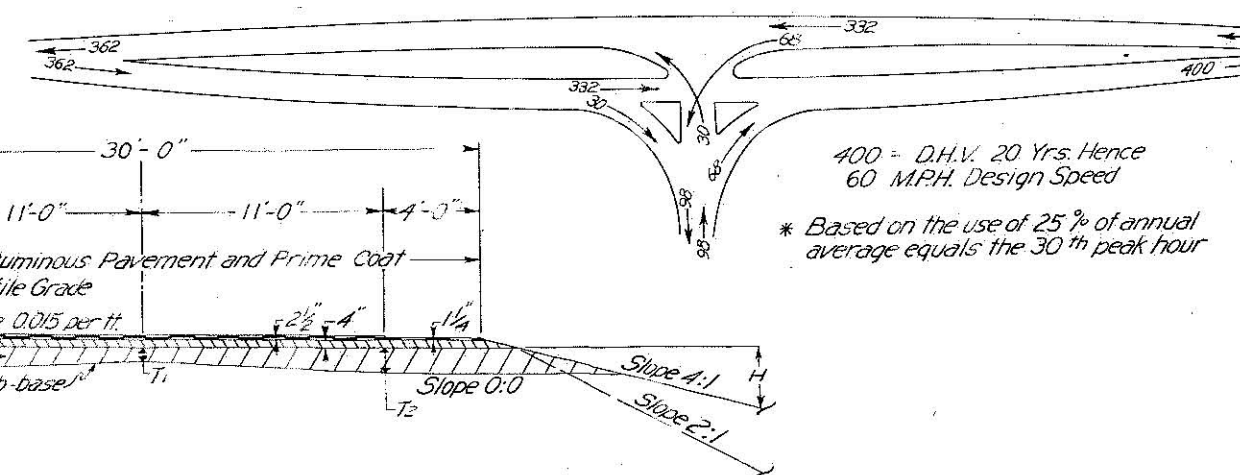
DETAILS OF CONCRETE CURB & GUTTER



TYPICAL SECTION B-B



TRAFFIC LEGEND

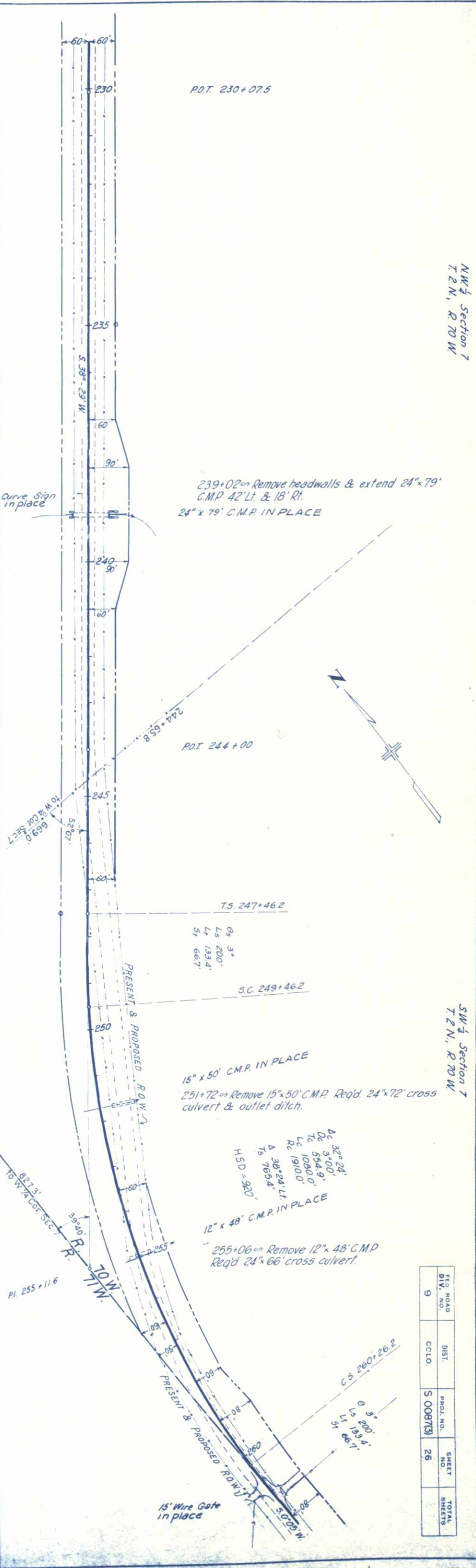
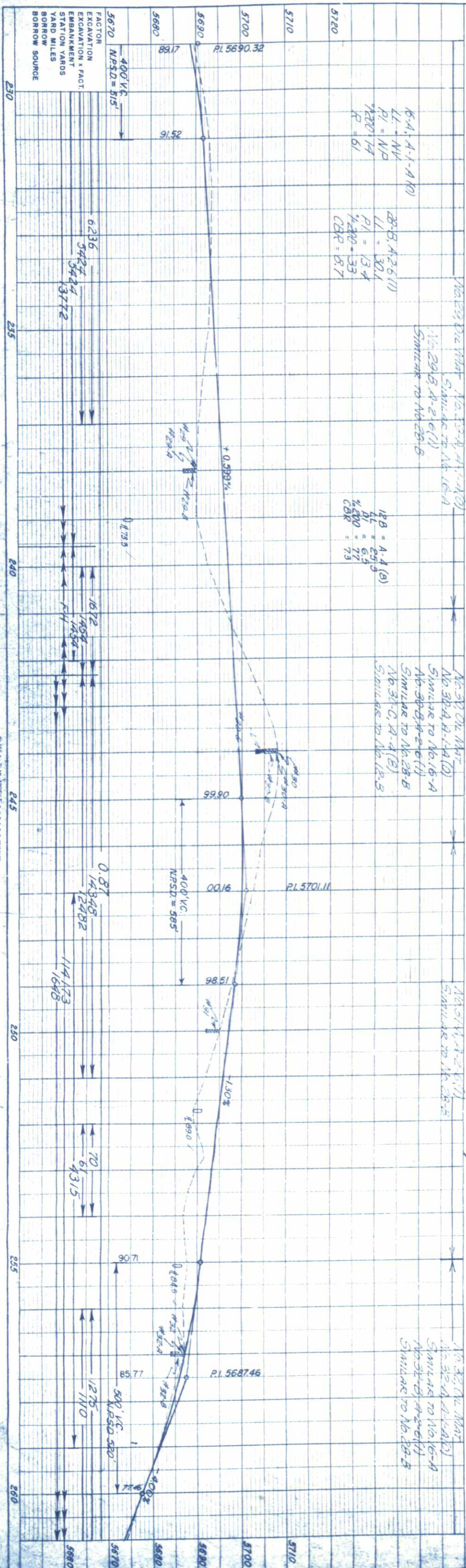


PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO. 18010	GRADES CHECKED		
	M.S. NOTED		
	STRUCTURE NOTATIONS OK'D		

PLAN	VIEWED	BY	DATE
NOTE BOOK	PLOTTED		
NO. 18007	ALIGNMENT CHECKED		
18006	RT. OF WAY CHECKED		

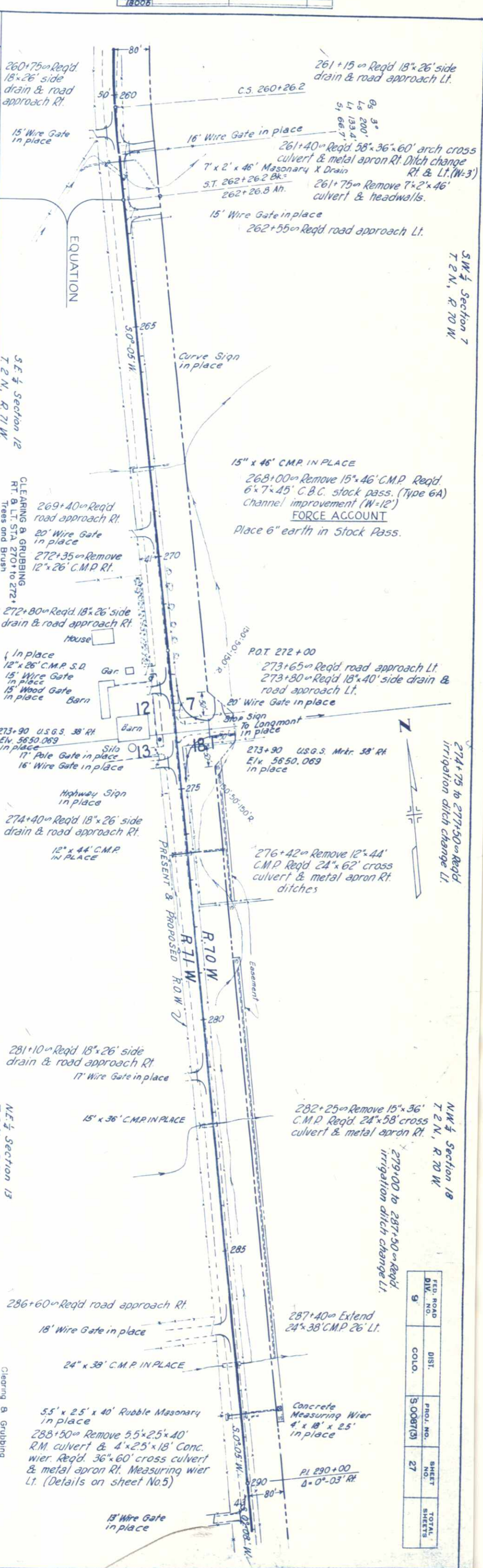
N.W. 1/4 Section 7
T 2 N., R 70 W.

S.W. 1/4 Section 7
T 2 N., R 70 W.



FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9		S 0087(3)	26	

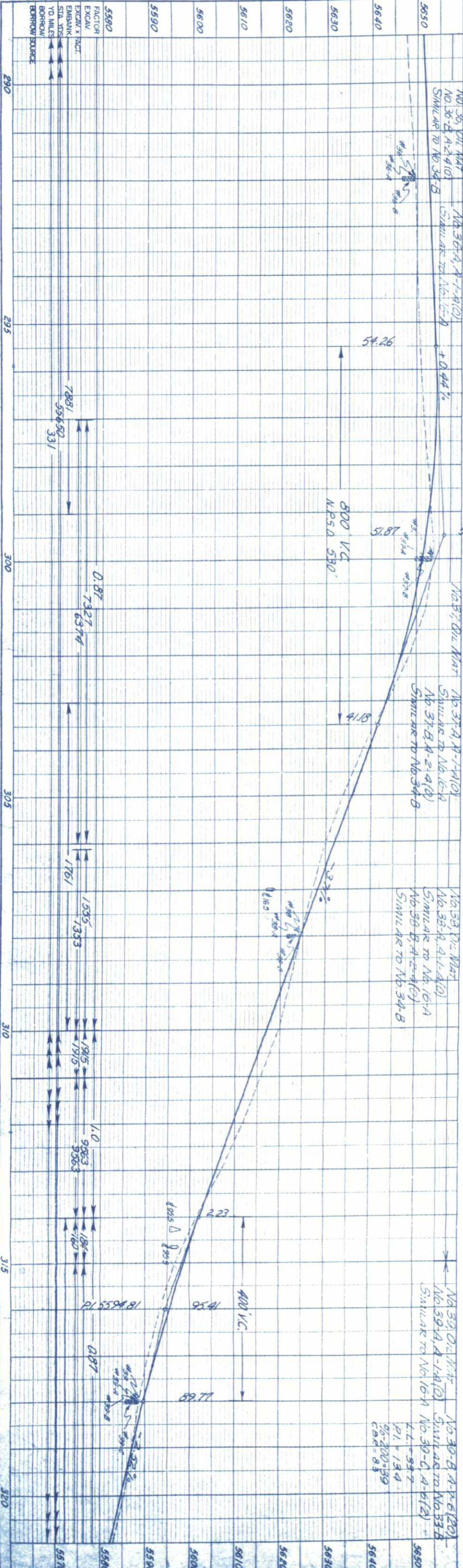
PLAN	BY	DATE
NOTE BOOK	10/10/10	10/10/10
NO. 18007	18008	



FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	5 0087(3)	27	

PROFILE	BY
SURVEYED	
NOTE BOOK	
NO. 18010	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHKD.	

PLAN	BY	DATE
REVISED		
NOTE BOOK		
NO. 18007		
18006		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		



NE 1/4 Section 13
T 2 N, R 71 W

SE 1/4 Section 13
T 2 N, R 71 W

290+62⁰⁰ Req'd 18" x 26' side
drain & road approach Rt.

15' Wire Gate
in place

P.I. 290+00
 $\Delta = 0^{\circ}-03' \text{ Rt.}$

299+06⁰⁰ Req'd 18" x 26' side
drain & road approach Lt.
15' Wire Gate

299+168 5254.2' to 1/4 Cor. (Rock) →

P.O.T. 300+10.3

15" x 35' C.M.P. IN PLACE
306+10⁰⁰ Plug 15" x 95' C.M.P.

307+00⁰⁰ Req'd 24" x 88' cross
culvert & inlet ditch.

P.O.T. 311+00

314+25⁰⁰ Req'd 50" x 31" x 108' arch
cross culvert & metal apron
Rt. Ditches. (W-4')

314+40⁰⁰ Remove 4.5' x 2' x 46' R.M. culvert &
headwalls.

314+65⁰⁰ Req'd Type B inlet in Median
with 24" x 56' C.M.P. for outlet Lt. (H-4'-0")

315+25⁰⁰ Req'd intersection with Median
Opening & road approach Rt. (Details
on sheet #10).

Highway Sign in place

U.S.G.S. W-320
Elev 5600.844
in place

Highway Sign 14' Lt
Stop Sign 40' Rt
in place

315+⁰⁰ Req'd 36" x 30' side drain &
road approach on North Side of
Left Hand Canyon Road. Apron at
inlet. Ditches.

315+45⁰⁰ Req'd road
approach Rt. (Gas Station)
15' wire gate
4.5' x 2' x 46' Rubble Masonary
x Drain in place

Left Hand Canyon Road

316+20⁰⁰ Req'd road
approach Rt. (Gas Station)

318+05⁰⁰ Remove 18" x 40' C.M.P.

18" x 40' C.M.P. IN PLACE

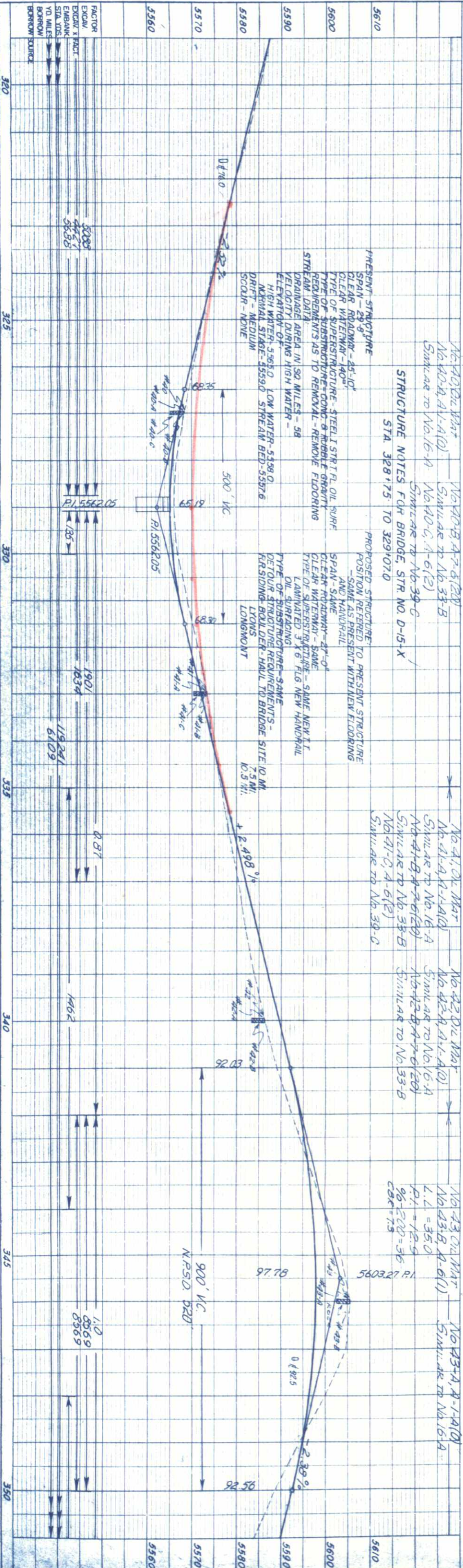
MST B.T. Co.

Stop Sign in place

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	50087(3)	28	

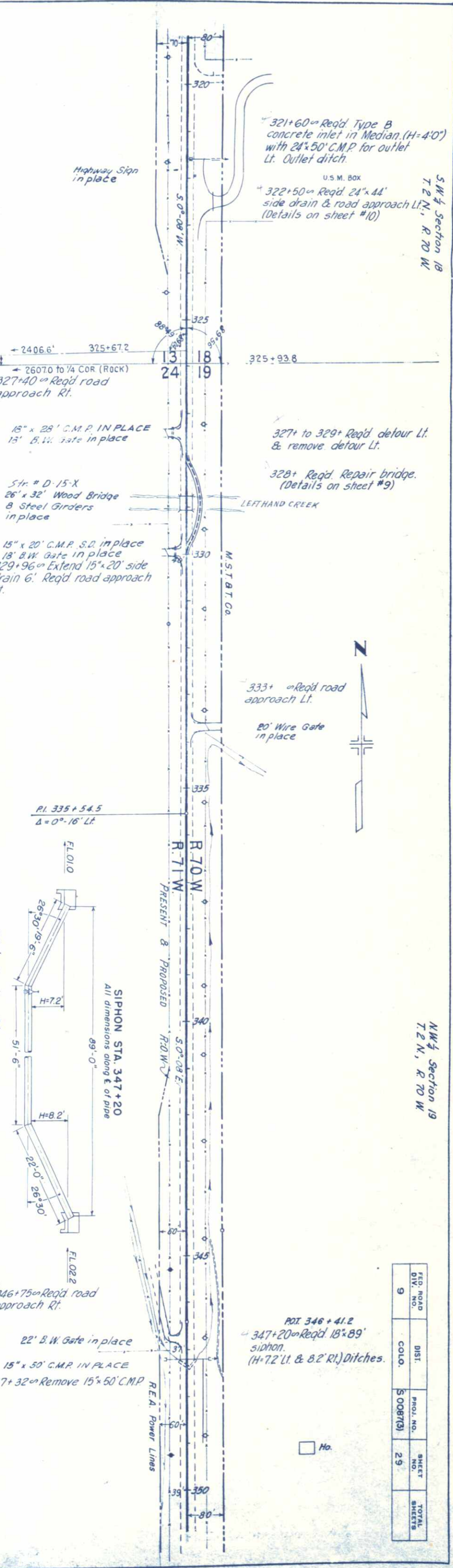
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NOTE BOOK	PLOTTED	
NO. 18010	GRADES CHECKED	
	8 M.S. NOTED	
	STRUCTURE NOTATIONS CHECKED	

PLA	REVISED	BY	DATE
NOTE BOOK	PLOTTED		
NO. 18007	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		



SE 1/4 Section 13
T. 2 N., R. 71 W.

NE 1/4 Section 24
T. 2 N., R. 71 W.



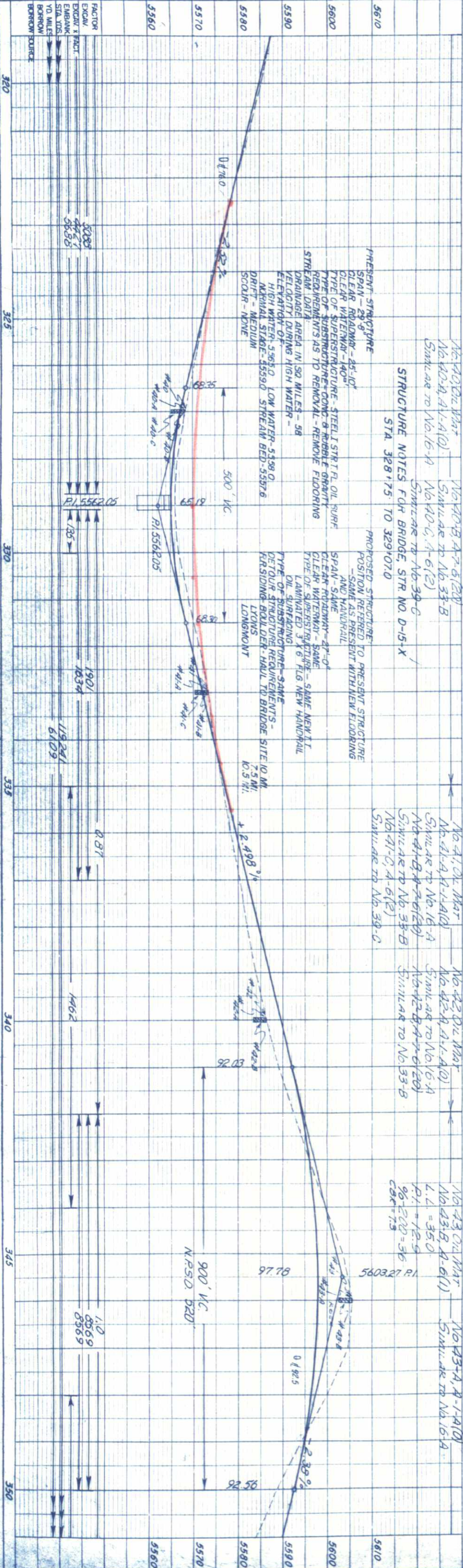
SW 1/4 Section 18
T. 2 N., R. 70 W.

NW 1/4 Section 19
T. 2 N., R. 70 W.

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	50087(3)	29	

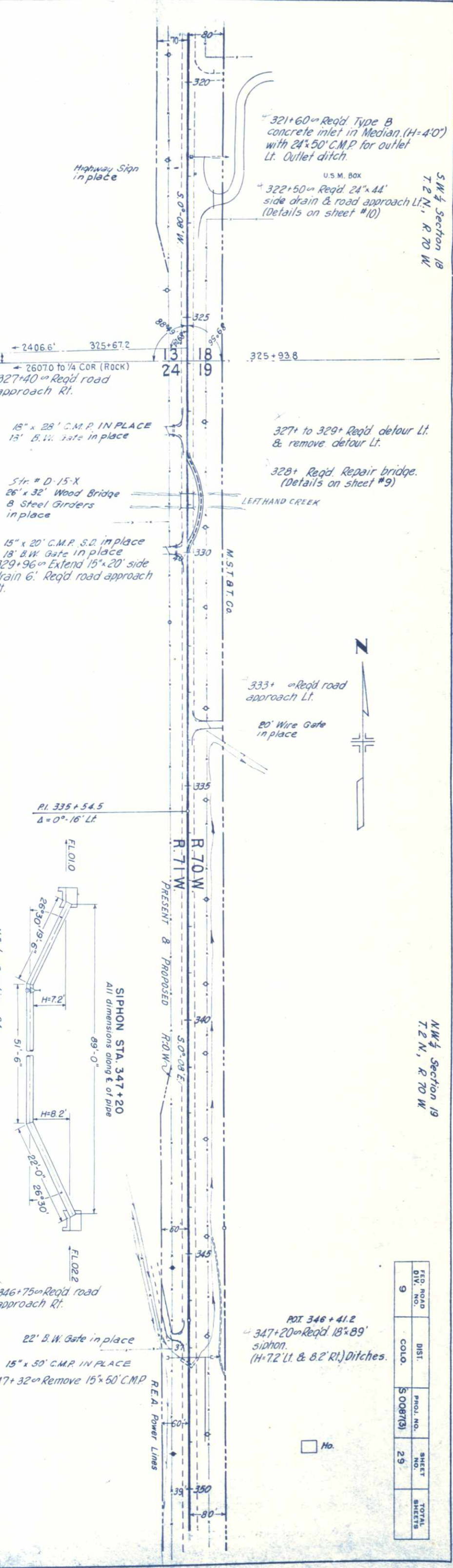
PROFILE
SURVEYED BY
NOTE BOOK
NO. 18010
PLOTTER
GRADES CHECKED
B.M.S. NOTED
STRUCTURE NOTATIONS CHKD.

PLAI
PLOTTER
NOTE BOOK
NO. 18007
ALIGNMENT CHECKED
RT. OF WAY CHECKED



SE 1/4 Section 13
T. 2 N., R. 71 W.

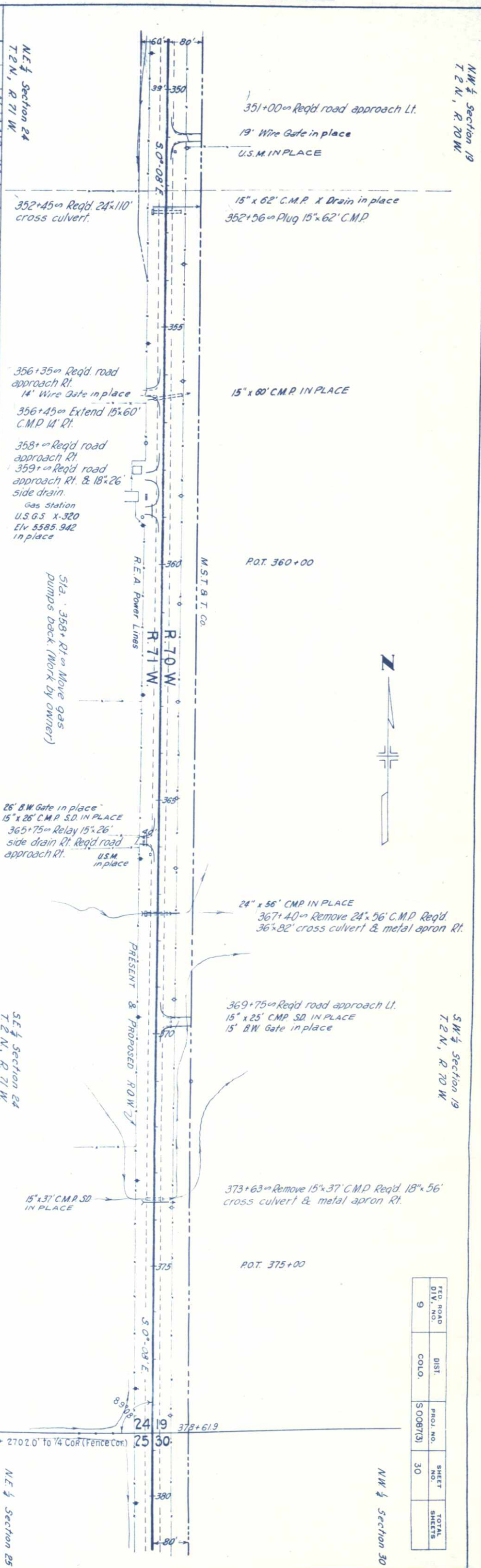
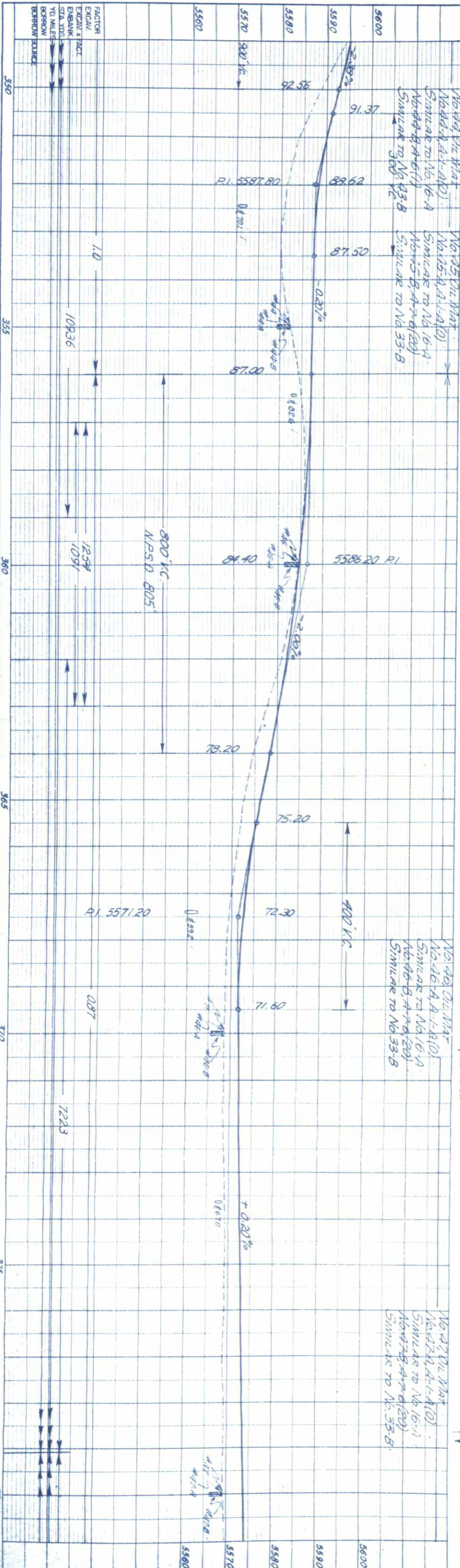
NE 1/4 Section 24
T. 2 N., R. 71 W.



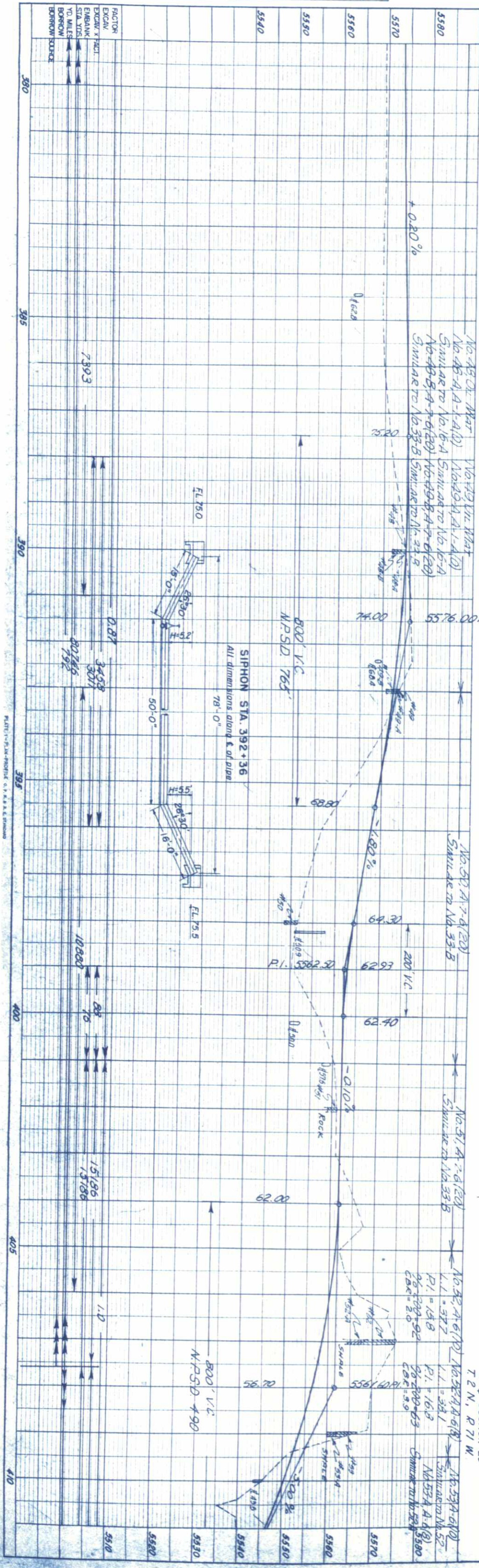
FED. ROAD DIST. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	500873	29	

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO. 18010	B. M.A. NOTED		
	STRUCTURE NOTATIONS CH'D.		

PLAN	EYED	BY	DATE
NOTE BOOK	ALIGNMENT CHECKED		
NO. 18010	RT. OF WAY CHECKED		



FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	SO0873	30	



N.E. 1/4 Section 25
T. 2 N., R. 71 W.

384+45⁰⁰ Req'd 24'x80' cross
culvert & metal apron Rt. Ditches.

385+02⁰⁰ Remove 18'x65' C.M.P.

388+50⁰⁰ Req'd road approach Rt.
& 18'x26' side drain.

389+50⁰⁰ Remove
12'x67' V.C.P.

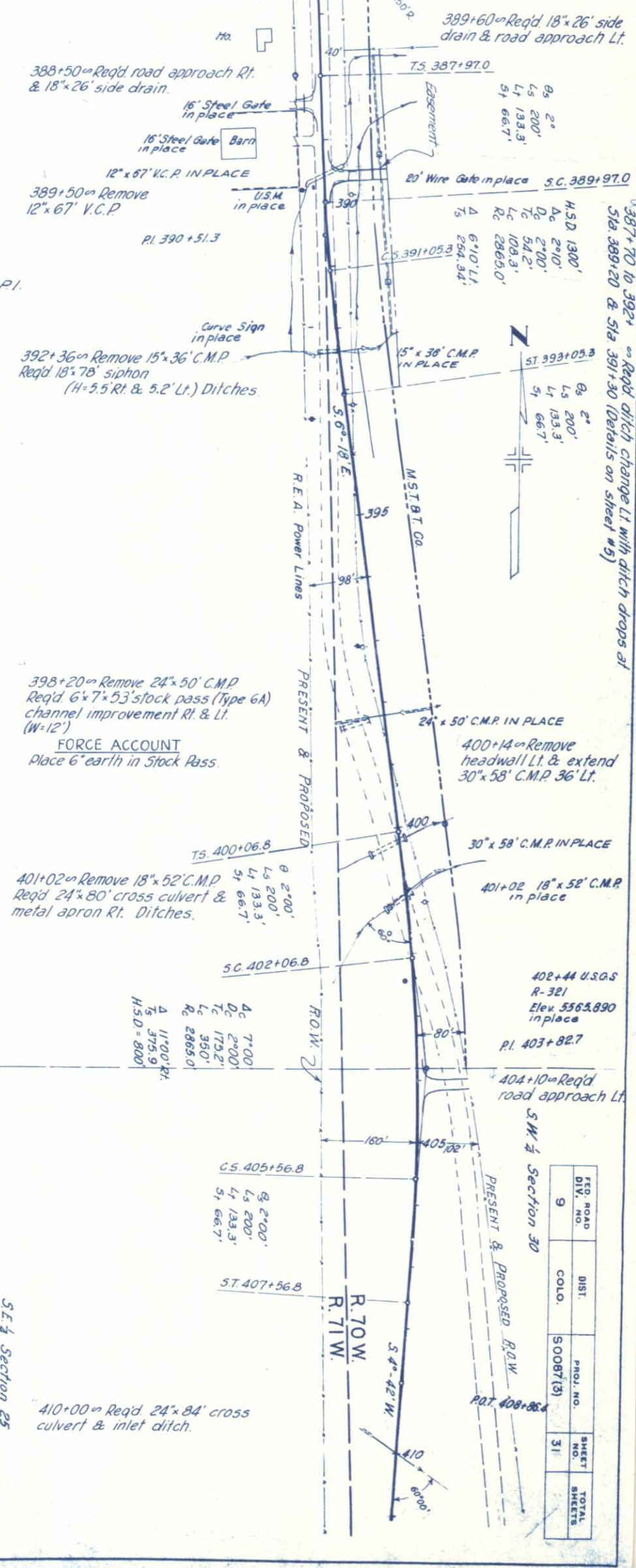
392+36⁰⁰ Remove 15'x36' C.M.P.
Req'd 18'x78' siphon
(H=5.5' Rt. & 5.2' Lt.) Ditches.

398+20⁰⁰ Remove 24'x50' C.M.P.
Req'd 6'x7'x53' stock pass (Type 6A)
channel improvement Rt. & Lt.
(W=12')

401+02⁰⁰ Remove 18'x52' C.M.P.
Req'd 24'x80' cross culvert &
metal apron Rt. Ditches.

410+00⁰⁰ Req'd 24'x84' cross
culvert & inlet ditch.

N.W. 1/4 Section 30
T. 2 N., R. 70 W.



FORCE ACCOUNT
Place 6' earth in Stock Pass.

401+02⁰⁰ Remove 18'x52' C.M.P.
Req'd 24'x80' cross culvert &
metal apron Rt. Ditches.

402+44 U.S.G.S
R-321
Elev. 5565.890
in place
P.I. 403+82.7

404+10⁰⁰ Req'd road approach Lt.

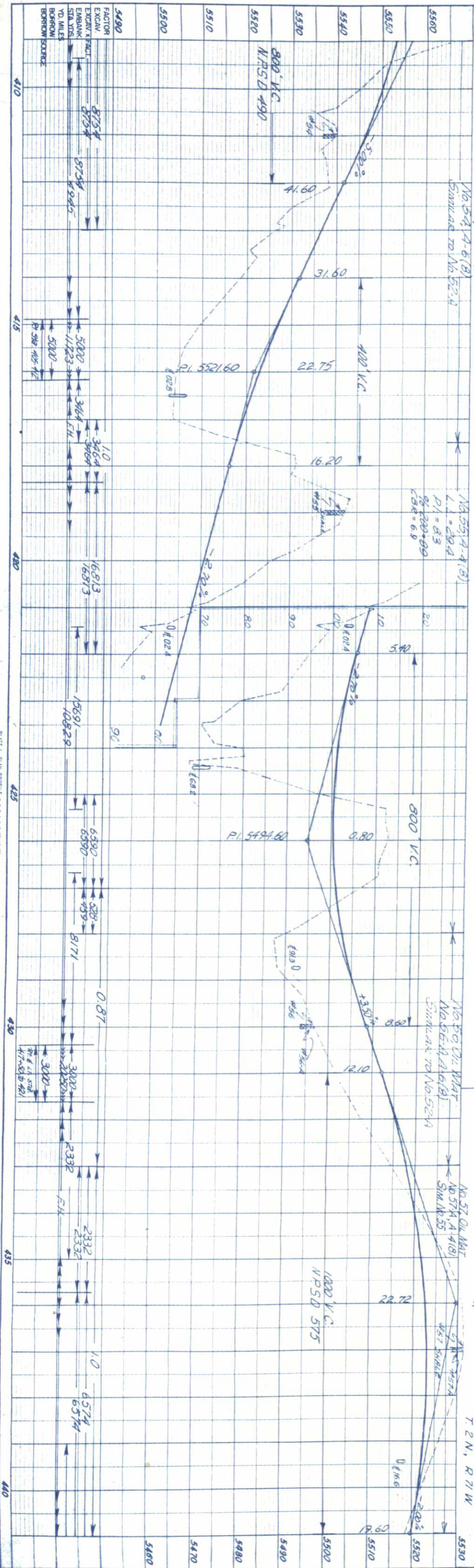
410+00⁰⁰ Req'd 24'x84' cross
culvert & inlet ditch.

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	SO087(2)	31	

PROFILE	SURVEYED	BY
NOTE BOOK	PLOTTED	
NO. 18010	GRADES CHECKED	
	BY M.A. NOTED	
	STRUCTURE NOTATIONS CHECKED	

PLAN	KEYED	BY	DATE
NOTE BOOK	NOTED		
NO. 18007	ALIGNMENT CHECKED		
18006	RT. OF WAY CHECKED		

COLORADO DEPARTMENT OF HIGHWAYS
Form C.D.H. 134
April 1952



S.E. 1/4 Section 25
T 2 N., R 71 W.

N.E. 1/4 Section 30
T 2 N., R 71 W.

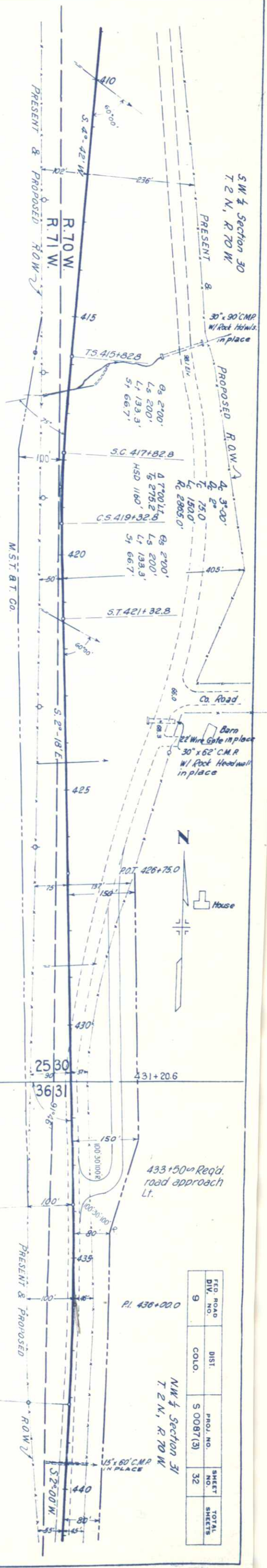
416+50 Req'd 48'x104' cross culvert & ditches (W=2'-0")

421+42 Req'd 24'x76' cross & inlet ditch.

424+41 Req'd 48'x138' cross culvert (10 gauge)

428+75 Req'd 24'x84' cross culvert & inlet ditch.

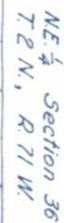
439+45 Req'd 24'x68' cross culvert & ditches.
439+50 Remove 15'x60' C.M.P. & headwalls.



FED. ROAD DIV. NO.	DIST. COLO.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9		S 0087(3)	32	

PL	SURVEYED	BY	DATE
NOTE BOOK	ALIGNED		
NO. 8007	RT OF WAY CHECKED		
8006			

COLORADO DEPARTMENT OF HIGHWAYS
Form C.D.H. 134
April 1952



443+30 Plug 18"x113' C.M.P. Req'd.
36"x134' cross culvert. Fill low
spot at inlet.

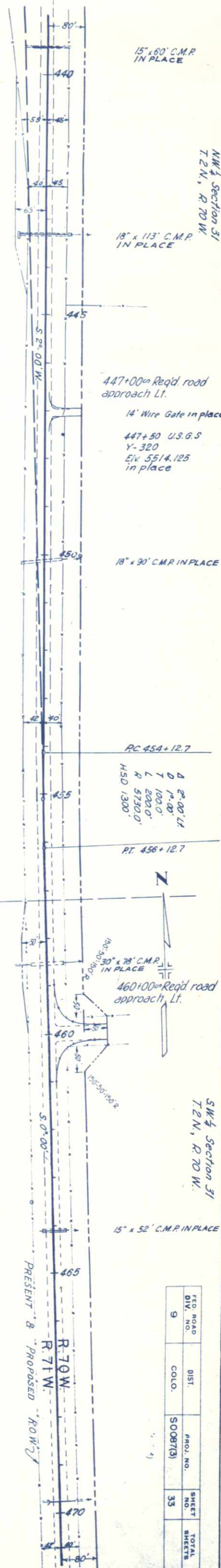
450+12 ~ Extend 18" x 90' C.M.P. 10' Lt.

NO. 59, C/L MAT
NO. 59-A, A-6(1)
SIMILAR TO NO. 43-B

S.E. 1/4 Section 36
T.2 N., R. 71 W.

No. 60, Pile Mat
No. 60-4, A-7-6 (20)
Similar to No. 33-B

469+75 Req'd. 36"x56' cross culvert
& apron Rt. Ditches.



FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	SO087(3)	33	

PROFILE
SURVEYED BY
NOTE BOOK GRADES CHECKED
NO. 18009
STRUCTURE NOTATIONS CHKD.

PL. SURVEYED BY DATE
NOTE BOOK GRADES CHECKED
NO. 18007
RT. OF WAY CHECKED.

SW 1/4 Section 31
T.2N., R.70W.

NW 1/4 Section 6
T.1N., R.70W.

FED. ROAD DIV. NO.	DIST. COLO.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9		S 0087(3)	34	

REV. R.O.W. 7-6-55 M.W.M.
REV. R.O.W. 9-13-56 M.W.M.

SE 1/4 Section 36
T.2N., R.71W.

482+08⁰⁰ Plug 18"x82' C.M.P.
482+10⁰⁰ Req'd. 36"x102' cross
culvert.

484+20⁰⁰ Extend 15"x20' side drain
6' Bk. Req'd. road approach Rt.

T.2N.
T.1N.

489+15⁰⁰ Plug 15"x92' C.M.P.
489+25⁰⁰ Req'd. 36"x118' cross
culvert.

493+50⁰⁰ Relay 18"x20' side drain Rt.
& extend 6'. Req'd. road approach Rt.

14' Wire Gate & 18"x20' C.M.P. S.D.
in place

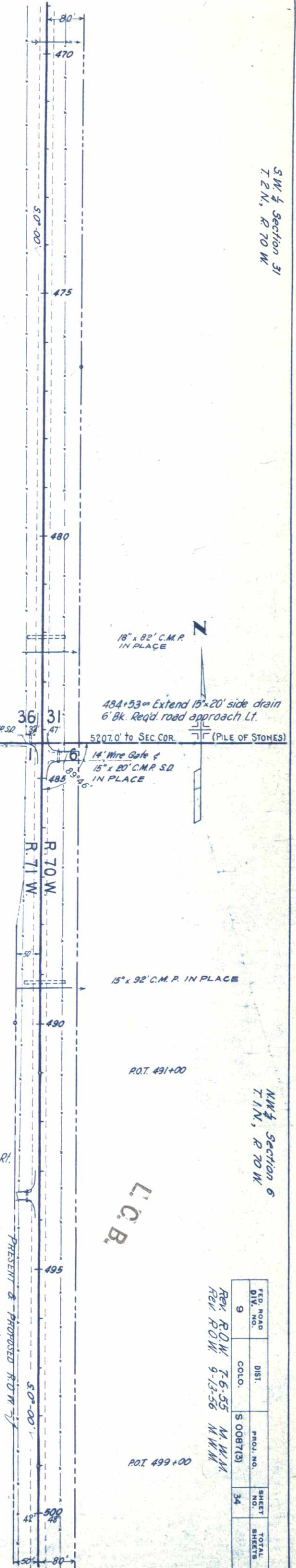
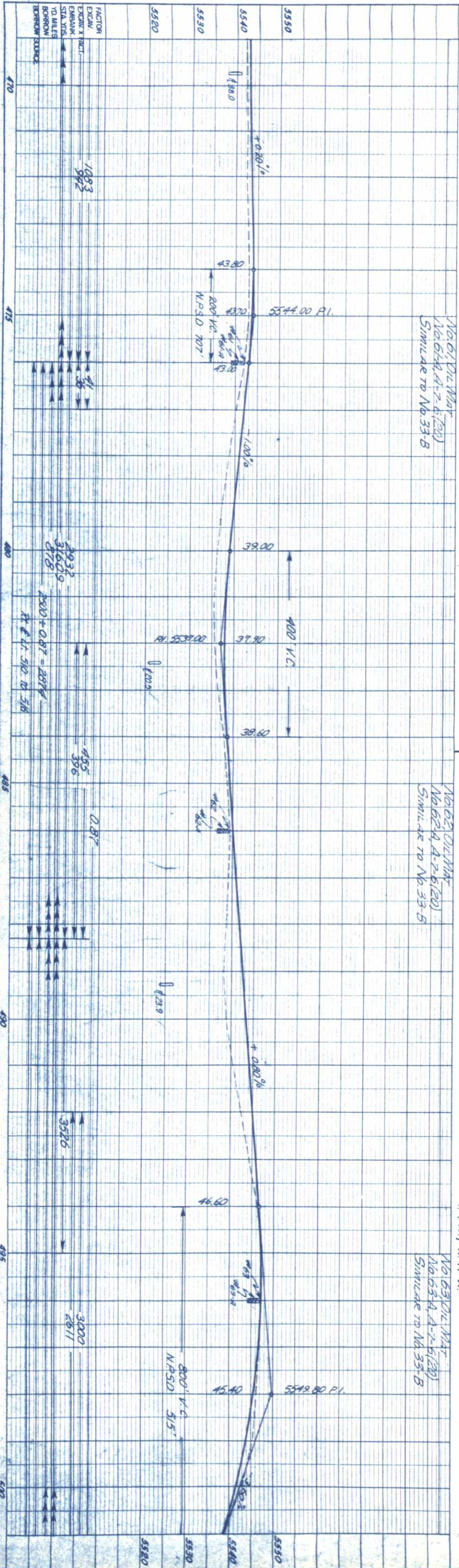
No. ☐

NE 1/4 Section 1
T.1N., R.71W.

No. 6, D.L. MAT
No. 6, A-A-7-6(20)
SIMILAR TO No. 33-B

No. 6, D.L. MAT
No. 6, A-A-7-6(20)
SIMILAR TO No. 33-B

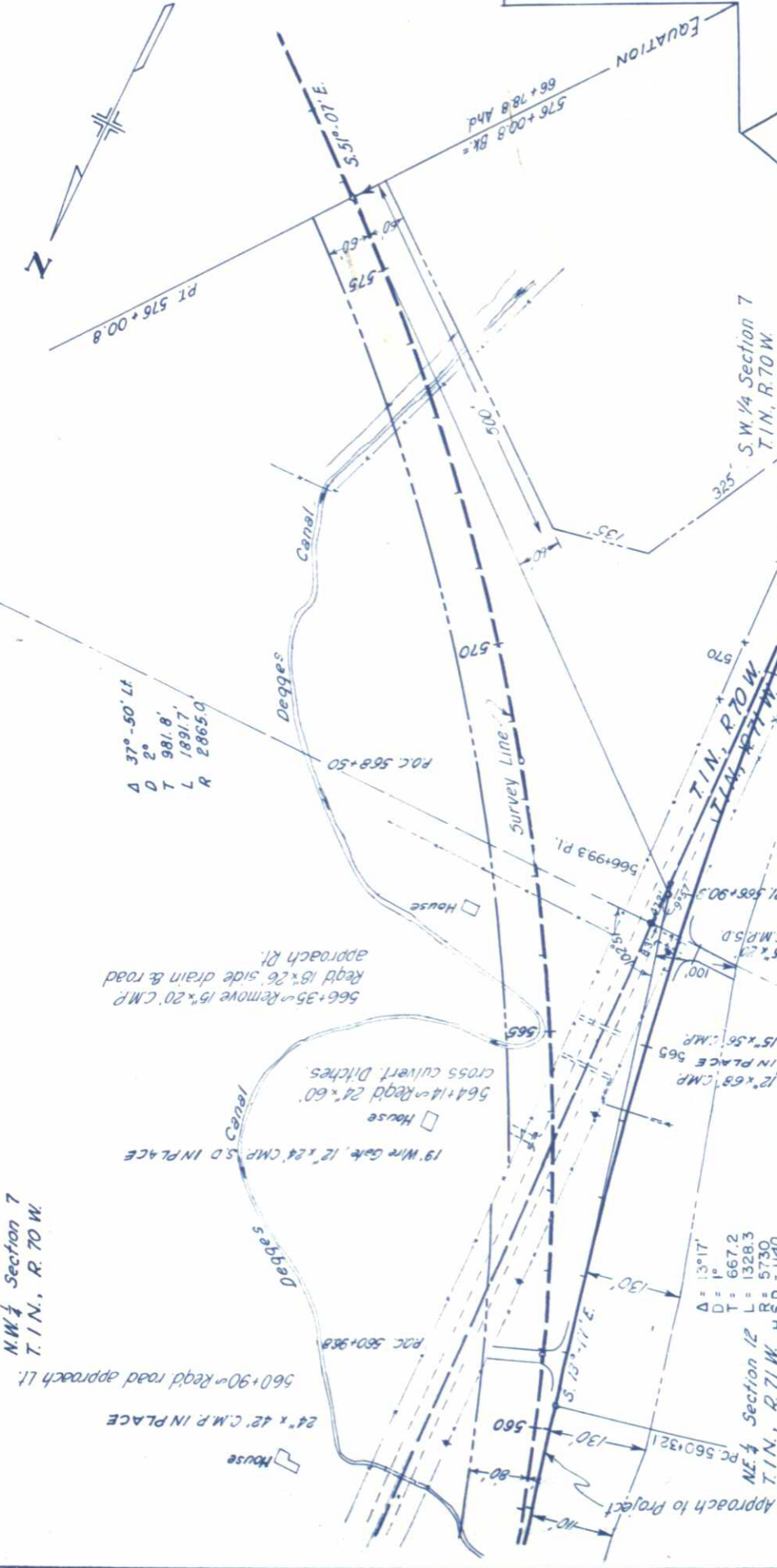
No. 6, D.L. MAT
No. 6, A-A-7-6(20)
SIMILAR TO No. 33-B



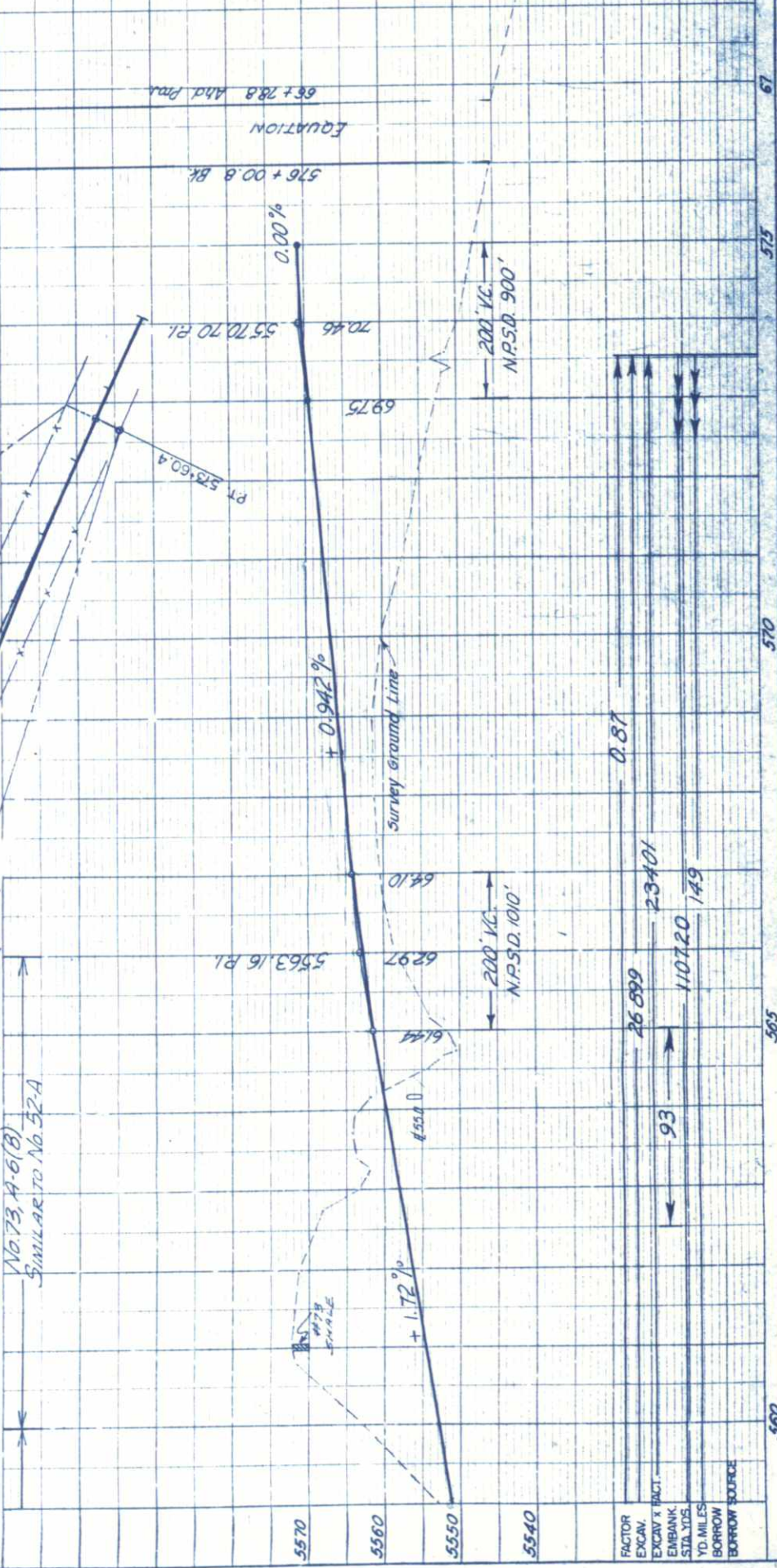
FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0087(3)	35	

Rev R.O.W. T-6-55 M.W.M.
Rev. R.O.W. 9-13-56 M.W.M.

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	50087(3)	37	



PLAN	DATE	BY
SUBMITTED		
NOTED		
NOTE BOOK		
NO. 18002		
NO. 18005		



PROFILE	DATE	BY
SUBMITTED		
NOTED		
NOTE BOOK		
NO. 18002		
NO. 18005		

FED. ROAD DIST. NO.	COLO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9			S 0087(3)	38	

REV. 3/27/56 G.S.

DETAIL OF INTERSECTION STA. 568+ FUTURE CONSTRUCTION

$\Delta = 28^{\circ}50' L$
 $D = 2^{\circ}00'$
 $T = 736.5'$
 $L = 1441.7'$
 $R = 2865.0'$

