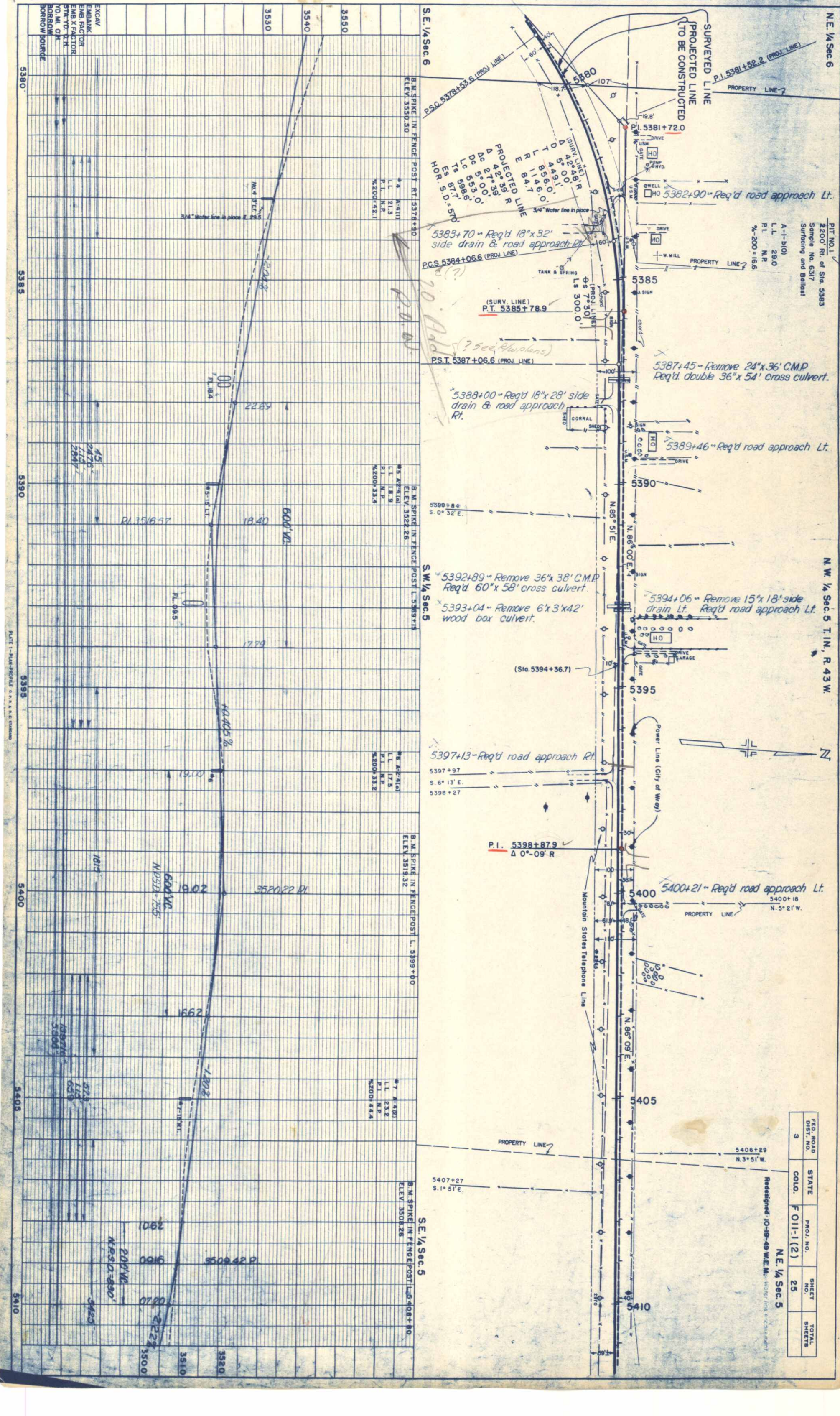


FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS

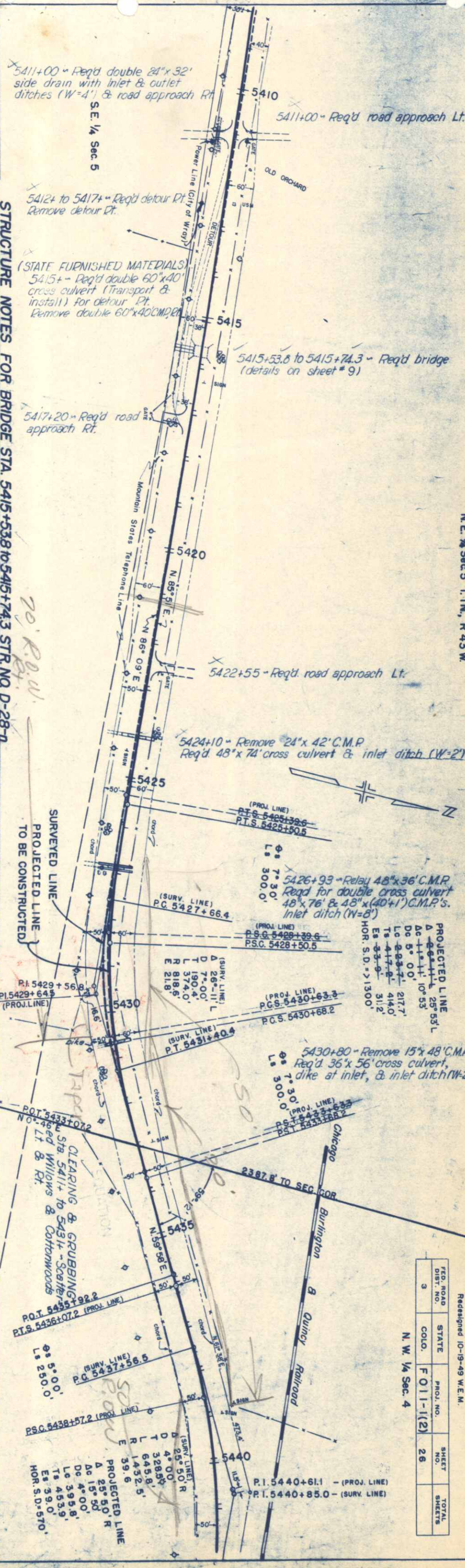


N.E. 1/4 Sec 5 T.1N, R.43W

Redesigned 10-19-49 W.E.M.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	FOI-1(2)	26	

N. W. 1/4 Sec. 4

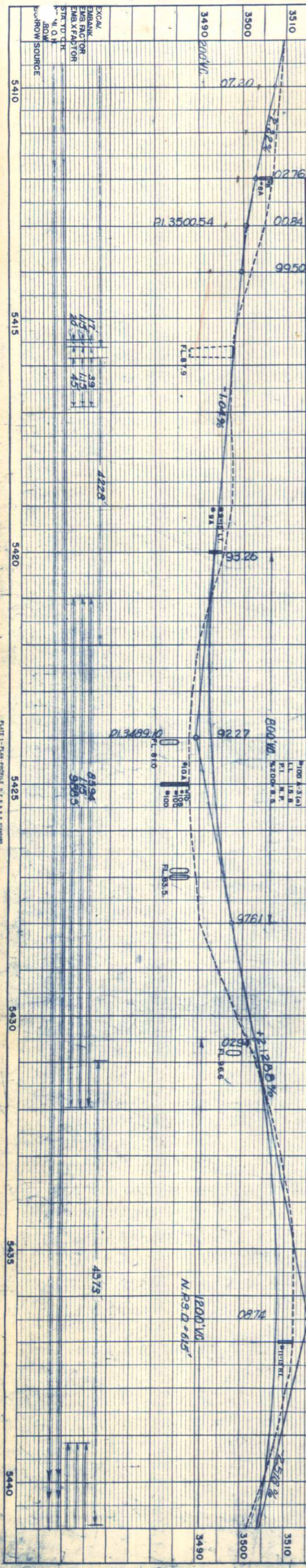


STRUCTURE NOTES FOR BRIDGE STA. 5415+53.8 to 5415+74.3 STR. NO. D-28-1

PRESENT STRUCTURE:
SPAN - 19'-0"
CLEAR ROADWAY - 26'-11"
CLEAR WATERWAY - 120"
TYPE OF SUPERSTRUCTURE - TIMBER STRINGERS & FLOOR
TYPE OF SUBSTRUCTURE - TREATED TIMBER PILING & CAPS
REQUIREMENTS AS TO REMOVAL - REMOVE FLOORING
STRINGER BLOCKING & RAILING.

PROPOSED STRUCTURE:
SPAN - 19'-0"
POSITION REFERRED TO PRESENT STRUCTURE - SAME
CLEAR ROADWAY - 26'-11"
CLEAR WATERWAY - 120"
TYPE OF SUPERSTRUCTURE - EXISTING WITH ADDITIONAL
TYPE OF SUBSTRUCTURE - EXISTING TREATED TIMBER
PILING & CAPS
HAUL TO BRIDGE SITE - 2 MILES
DETOUR STRUCTURE REQUIREMENTS -
NEARBY STRUCTURES ON SAME STREAM -
LOCATION -
WATERWAY -
RECORD DURING FLOODS -

STREAM DATA:
DRAINAGE AREA IN SQ MILES - 2.5
VELOCITY DURING HIGH WATER -
ELEVATION OF:
MAXIMUM HIGH WATER -
NORMAL STAGE -
LOW WATER -
SCOUR -

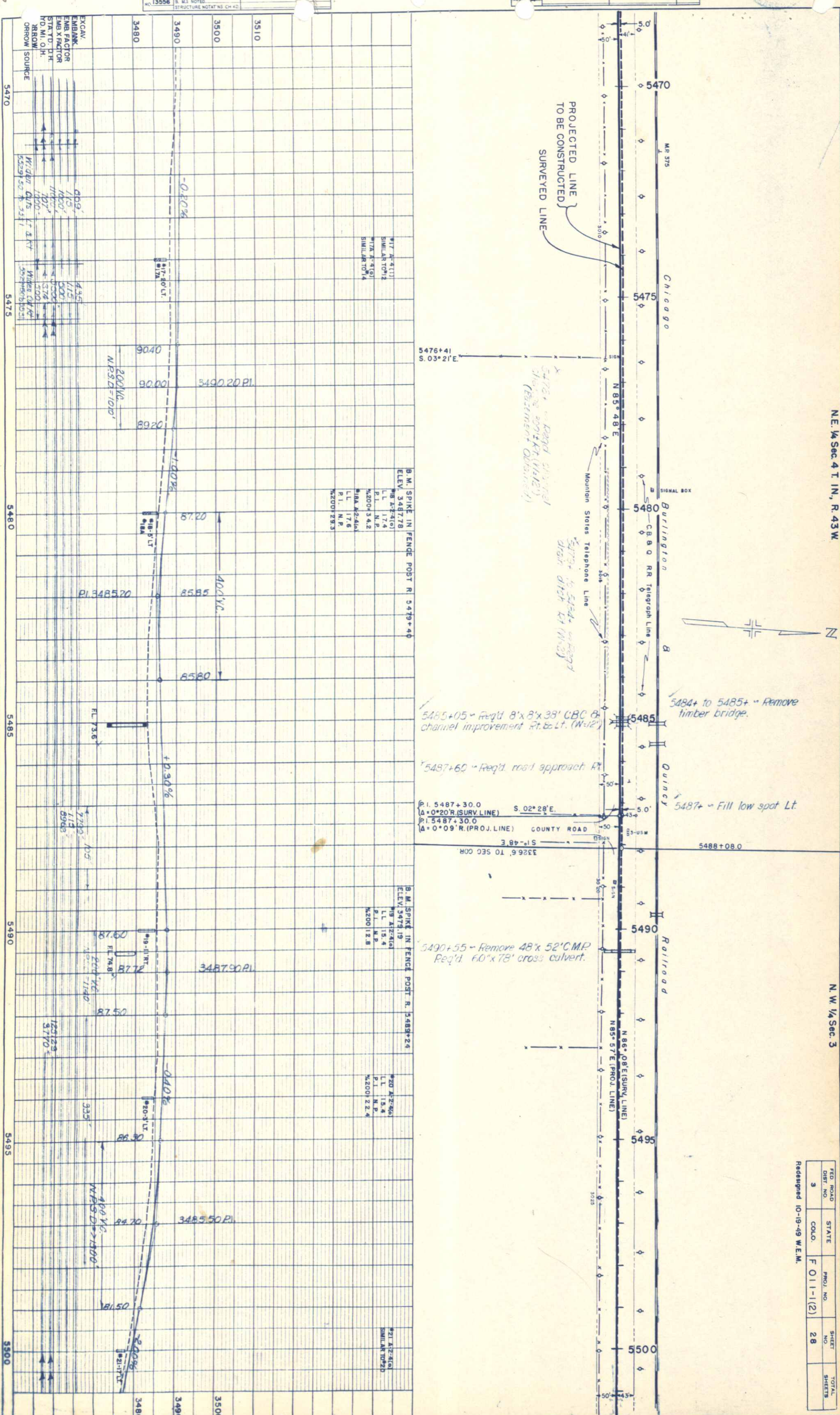


NOTE BOOK
NO. 3356

NOTE BOOK
NO. 3353

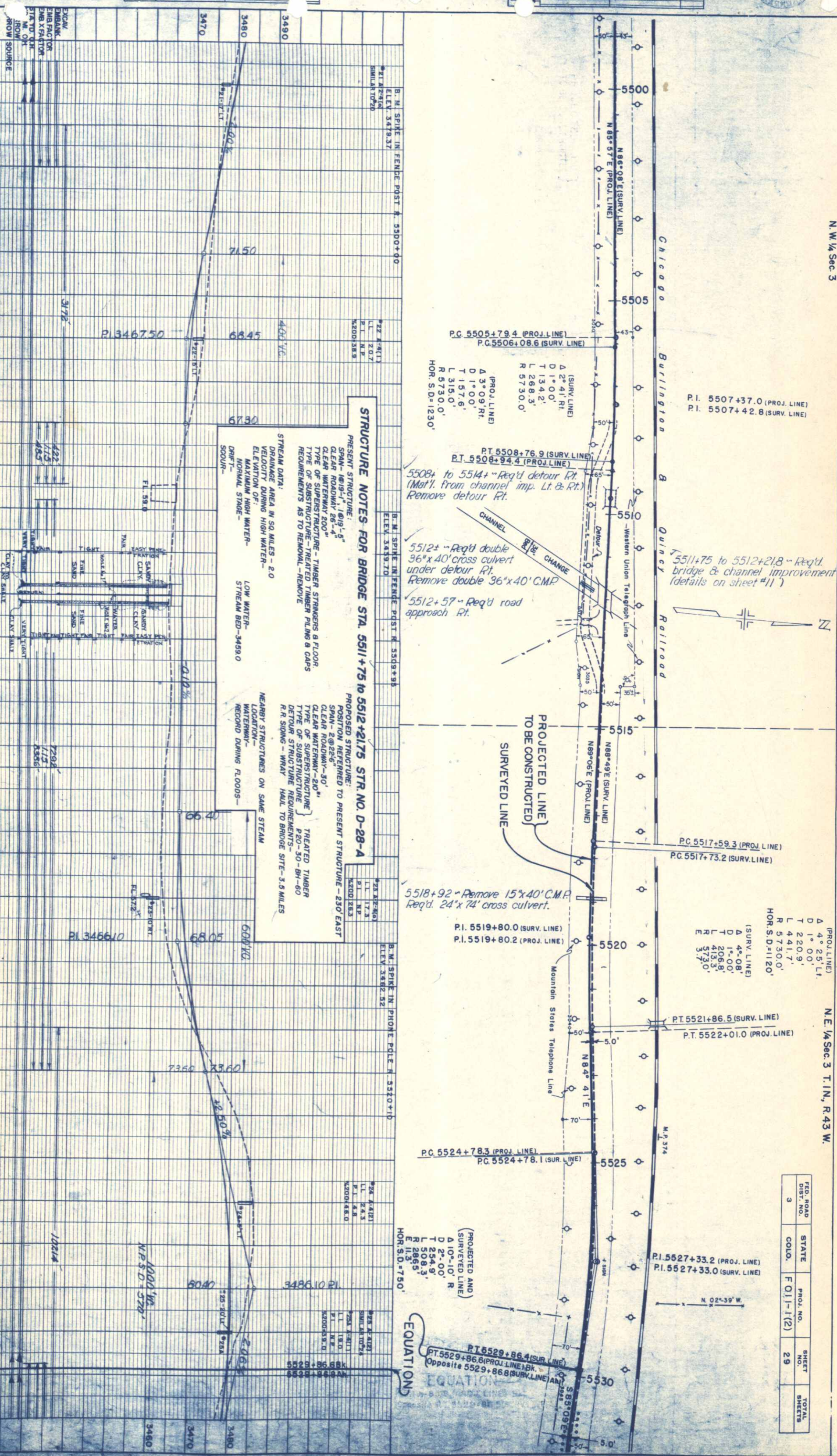
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F 011-1(2)	28	

Redesigned 10-19-49 W.E.M.



NOTE BOOK
NO. 13556
PLOTTER
GRADES CHECKED
B. M. J. NOTED
STRUCTURE NOTATIONS CH. 42

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	FOI-1(2)	29	



STRUCTURE NOTES FOR BRIDGE STA. 5511+75 to 5512+21.75 STR. NO. D-28-A

PRESENT STRUCTURE:
SPAN - 1019'-1" 1019'-5"
CLEAR ROADWAY 26'-4"
TYPE OF SUPERSTRUCTURE - 200"
TYPE OF SUBSTRUCTURE - TREATED TIMBER PILING & FLOOR
REQUIREMENTS AS TO REMOVAL - REMOVE

PROPOSED STRUCTURE:
SPAN - 2@22'-6"
POSITION REFERRED TO PRESENT STRUCTURE - 230' EAST
CLEAR ROADWAY - 30'
TYPE OF SUPERSTRUCTURE - TREATED TIMBER
TYPE OF SUBSTRUCTURE - P-20 - 30 - 84 - 60
REQUIREMENTS AS TO REMOVAL - REMOVE
R.R. SLOPE - WRAY HALL TO BRIDGE SITE - 3.5 MILES

STREAM DATA:
DRAINAGE AREA IN SQ. MILES - 2.0
VELOCITY DURING HIGH WATER -
ELEVATION OF:
MAXIMUM HIGH WATER -
NORMAL STAGE -
DRIFT -
SCOUR -

NEARBY STRUCTURES ON SAME STREAM
LOCATION -
WATERWAY -
RECORD DURING FLOODS -

EQUATION

PT. 5529+86.4 (SURV. LINE)
PT. 5529+86.6 (PROJ. LINE) Br.
Opposite 5529+86.8 (SURV. LINE) AND

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	FOI-1(2)	30	

Redesigned 10-19-49 W.E.M.

5532+00 ~ Relay 24"x76' cross culvert & extend with 24"x(14+1') C.M.P. Inlet ditch (W=1').

5538+61 ~ Remove 15"x60' C.M.P. Req'd. 36"x72' cross culvert.

5547+84 ~ Relay 30"x56' cross culvert & extend with 30"x(30+1') C.M.P. Inlet ditch (W=1').

5551+97 ~ Remove 15"x60' C.M.P. Req'd. 24"x72' cross culvert.

5555+75 ~ Remove 12"x52' C.M.P. Req'd. 24"x66' cross culvert & inlet ditch (W=1').

(PROJECTED & SURVEYED LINE)
Δ 18'-18' L
D 2'-00'
T 4615.0'
R 370'
HOR. S.D. = 830'

P.T. 5558+09.3 (PROJ. LINE)
P.T. 5558+08.5 (SURV. LINE)

5530+84 to 5533+13 ~ Remove 32 guard posts Lt. & Rt.

5541+62 ~ Req'd 18"x32' side drain & road approach Lt. Road appr. Lt.

5544+ to 5547+84 ~ Req'd drain ditch Rt. (W=2')
5548+50 ~ Req'd 18"x30' side drain & road approach Rt.

5551+97 to 5552+90 ~ Req'd drain ditch Lt. Rt. (W=2')

CLEARING & GRUBBING Sta. 5547+ ~ 1 Cottonwood Rt.

EQUATION

B.M. SPIKE IN FENCE POST R. 5529+45
ELEV. 3478.28

*26 A-2-40
L.L. 17.4
P.I. NP
%200+25.2

B.M. SPIKE IN FENCE POST R. 5542+48
ELEV. 3461.36

*27 A-1-31
L.L. 24.0
P.I. 3.4
%200+61.0

B.M. SPIKE IN FENCE POST R. 5533+00
ELEV. 3468.86

*28 A-1-11
L.L. 19.1
P.I. NP
%200+37.8

B.M. SPIKE IN FENCE POST R. 5533+00
ELEV. 3468.86

*30 A-2-40
L.L. 25.8
P.I. XI
%200+35.5

3490

3470

3460

3450

3440

3430

3420

448.1
14.5
975.1

FL 59.2

75.80

26.5 LT.

65.42

58.26

59.20

61.70

FL 57.8

FL 61.0

30.5 LT.

1.55%

3470

3460

3450

3440

3430

3420

MOVING
N.P.S.D. = 895'

470.6

207.6

30.1

3470

3460

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3400

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3380

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3310

3300

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3200

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1200

1190

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1130

1120

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1100

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1080

1070

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1050

1040

1030

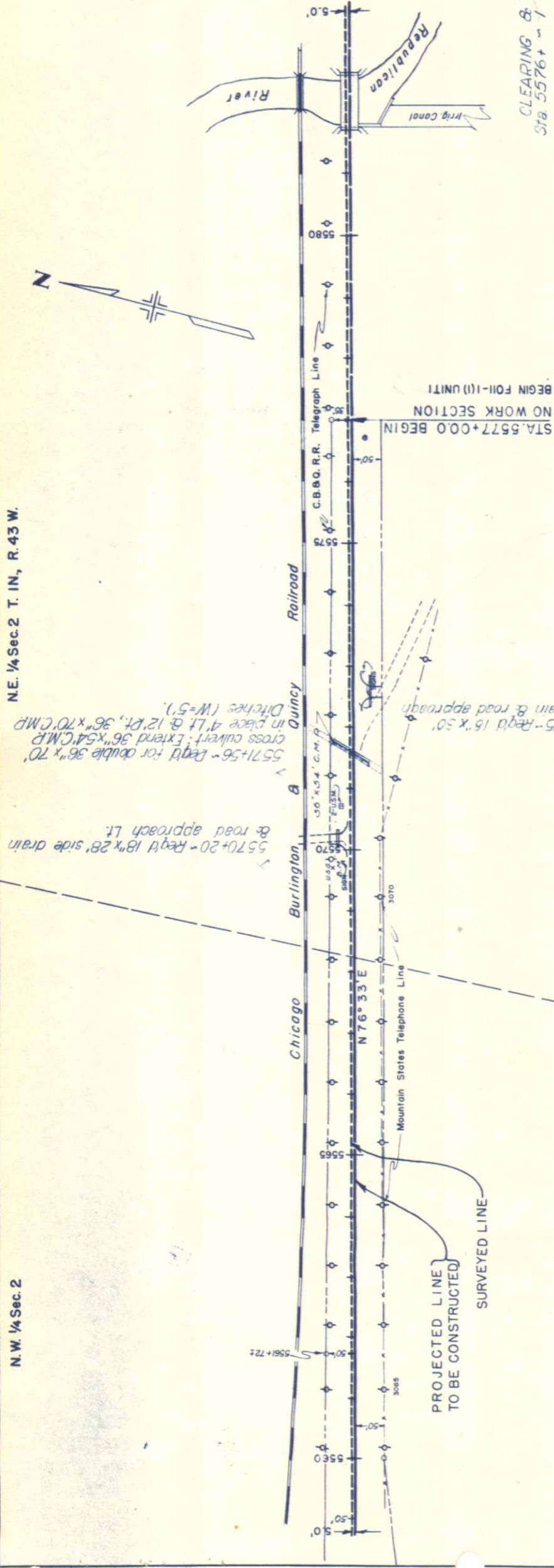
1020

N.W. 1/4 Sec. 2

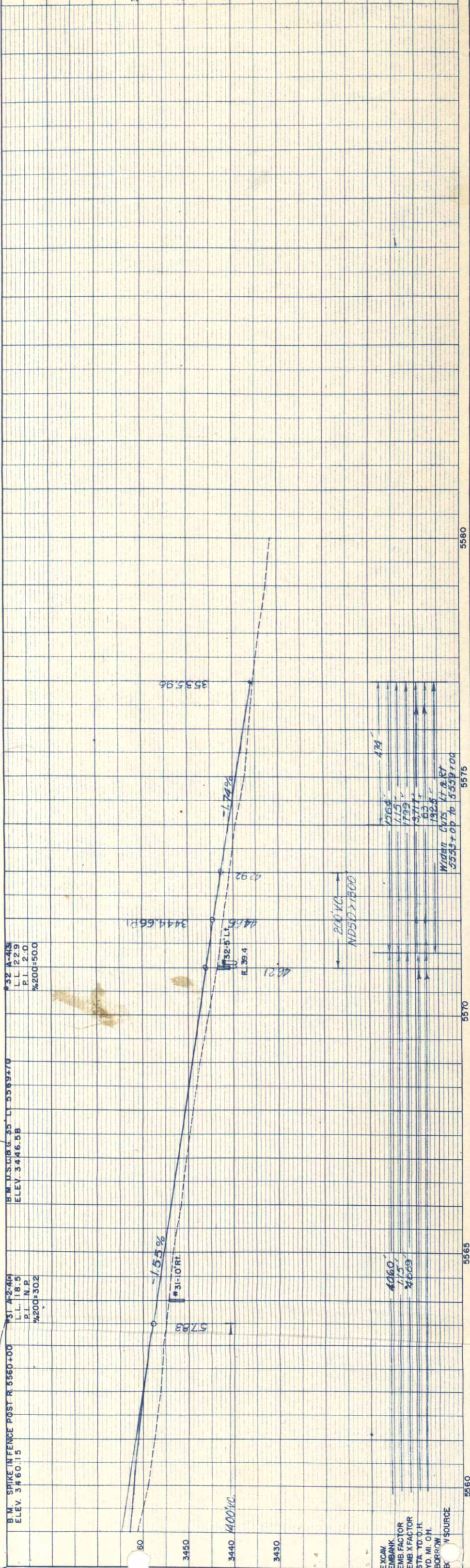
N.E. 1/4 Sec. 2 T. 1N., R. 43W.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F 011-1(2)	31	

Redesigned 10-19-49, W.E.M.



CLEARING & GRUBBING Sta 5576+ to Willow Pt.



NE 1/4 Sec. 2

N.W. 1/4 Sec. 1 T. 1 N., R. 43 W.

FED. ROAD DIST. NO.	STATE	COLO.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3			F 011-1 (2)	32	

5595+50 to 5630+00 - Fill low spot Lt.

5590+34 - Req'd road approaches Lt. & Rt.

END FOH-1(1) UNIT I
5588+ to 5590+ - Fill low spot Lt.

(PROJECTED LINE
TO BE CONSTRUCTED
SURVEYED LINE
5588+ to 5592+ - Fill low
spot Rt.

P.O.S.T. 5595+29.1
N 2°-27' W

(PROJECTED
(A SURVEY LINE)
Δ 19°-55' R
D 14'-30'
T 670.7'
E 58.5'
R 3820'
HOR. S.D. = 880'

5595+50 to 5610+ - Fill low spot Rt.

PT. 5602+90.3 (SURV. LINE)
PT. 5602+89.4 (PROJ. LINE) BK.
Opposite 5602+91.2 (SURV. LINE) Ah.

EQUATION

5610+50 - Req'd road approach Rt.

5610+60 to 5616+30 - Req'd
channel change Rt.
CLEARING & GRUBBING
trees & brush Lt. & Rt.
Sta. 5595+ to 5625+ - Scattered
trees & brush Lt. & Rt.

* 5617+75 - Req'd 24"x64' cross
culvert & inlet ditch. (W=1')

+ 5619+80 to 5624+80 - Req'd
channel change Rt.

* 5617+90 - Req'd road
approaches Lt. & Rt.

B.M. SPIKE IN DOTTEDWOOD TREE L. 5589+90
ELEV. 343.41

* 35 A-2-40
L.L. 15.4
P.I. NP
% 2001 20.3

B.M. SPIKE IN DOTTEDWOOD TREE 5600+00
ELEV. 342.31

* 37 A-410
L.L. 26.8
P.I. NP
% 2001 77.7

B.M. SPIKE IN FENCE POST R. 5610+75
ELEV. 348.36

* 39 A-1810
L.L. 18.6
P.I. NP
% 2001 18.5

EMBAV.
EMB. FACTOR
EMB. X FACTOR
STA. TO O.H.
YD. MI. O.H.
BORROW
SOURCE

5590 5595 5600 5605 5610 5615 5620

3420 3430 3440

3410 3420 3430

PLATE I-PLAN-PROFILE S.F. R. STANDARD

N. W. 1/4 Sec. 1

N. E. 1/4 Sec. 1 T. 1 N., R. 43 W.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F 011-1(2)	33	33

Redesigned 10-19-49 WEM.

PI No. 2, Borrow
N.W. 1/4, Sec. 6
T. 1 N., R. 42 W.
Located 0.4 Mi. Lt. of Sta 5649+00
SOIL CLASS
Sample No. 43609, A-2-4(0)
LL 178
PI N.P.
% 200 12.6
CBR 18.2

5639+ to 5643+ - Req'd drain ditch Lt
(W=1')

5630+ to 5671+ - Fill low spot Lt.

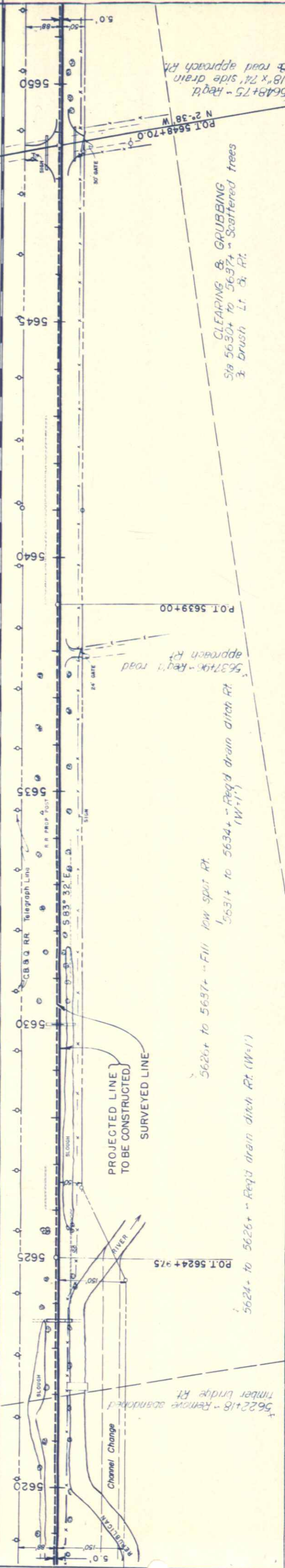
5626+ to 5627+ - Req'd
drain ditch Lt. (W=1')

5623+62 - Remove 15"x40" C.M.P.
Req'd 24"x68" cross culvert
& ditches (W=1').

5630+00 - Req'd 24"x64"
cross culvert.

Burlington & Quincy Railroad

Chicago



5622+18 - Remove abandoned
timber bridge Rt.

P.O.T. 5624+97.5

5624+ to 5626+ - Req'd drain ditch Rt. (W=1')

5626+ to 5637+ - Fill low spot Rt.

5631+ to 5634+ - Req'd drain ditch Rt.
(W=1')

5637+96 - Req'd road
approach Rt.

P.O.T. 5639+00

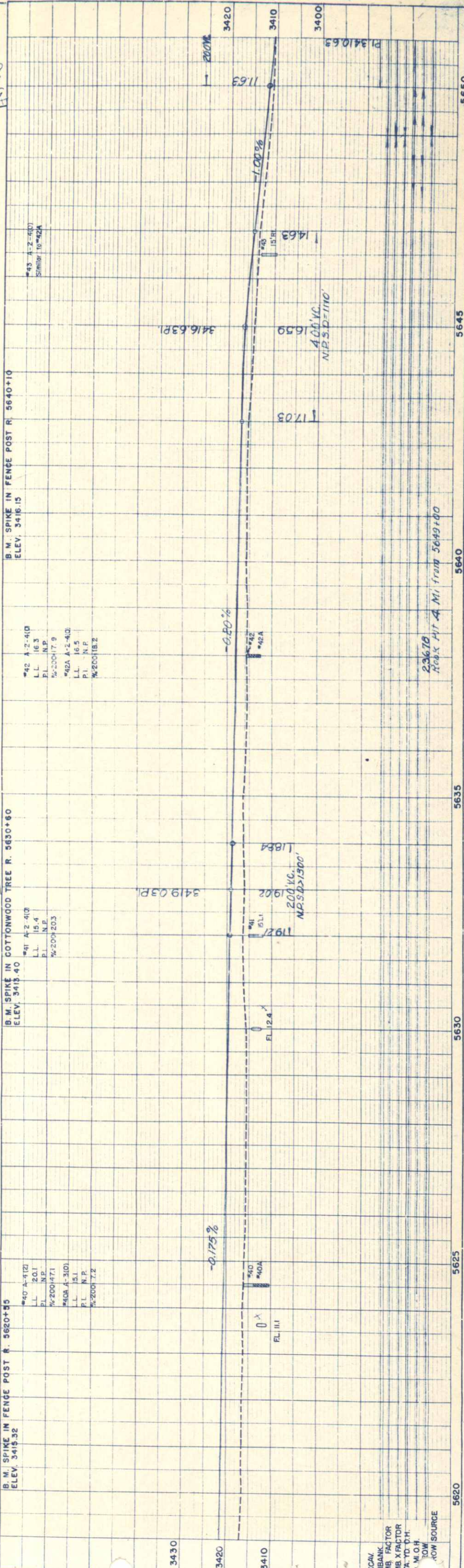
CLEARING & GRUBBING
Sta 5630+ to 5637+ - Scattered trees
& brush Lt. & Rt.

5648+75 - Req'd
18"x74" side drain
& road approach Rt.

P.O.T. 5648+70.0
N 2° 38' W

5648+54 - Req'd
18"x70" side drain
& road approach Lt.

N.W. 1/4 Sec. 6 T. 1 N., R. 42 W.



B.M. SPIKE IN FENCE POST R. 5620+55
ELEV. 3415.32

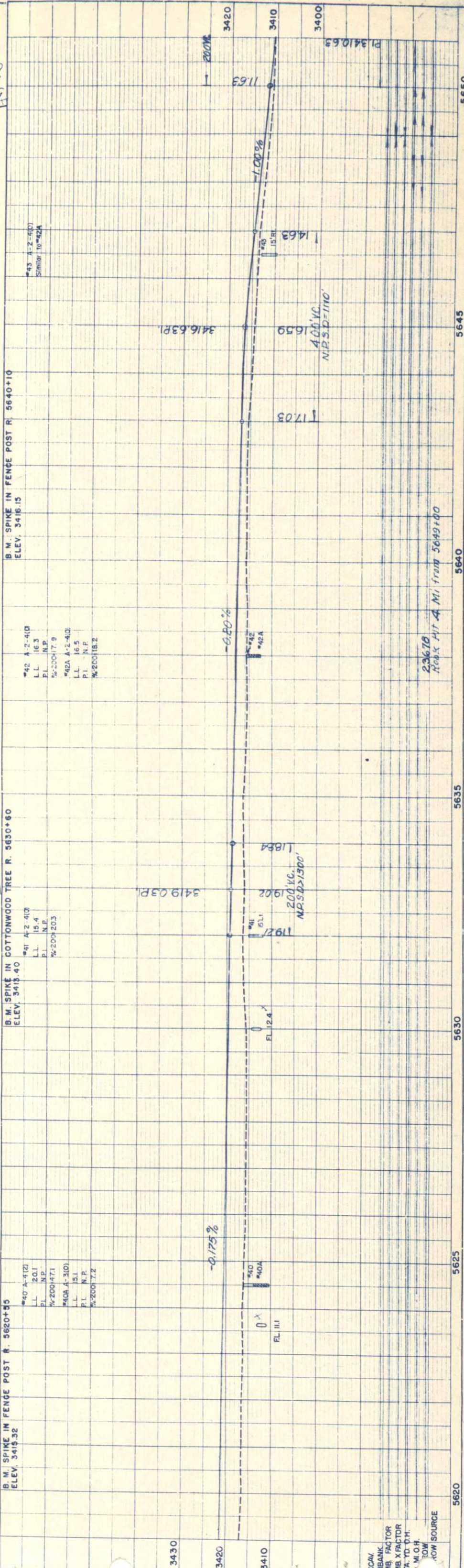
*40 A-4(2)
LL 20.1
PI N.P.
% 200 14.71
*40A A-3(0)
LL 15.1
PI N.P.
% 200 7.2

B.M. SPIKE IN COTTONWOOD TREE R. 5630+80
ELEV. 3415.40

*42 A-2-4(0)
LL 16.3
PI N.P.
% 200 17.9
*42A A-2-4(0)
LL 16.5
PI N.P.
% 200 18.2

B.M. SPIKE IN FENCE POST R. 5640+10
ELEV. 3416.15

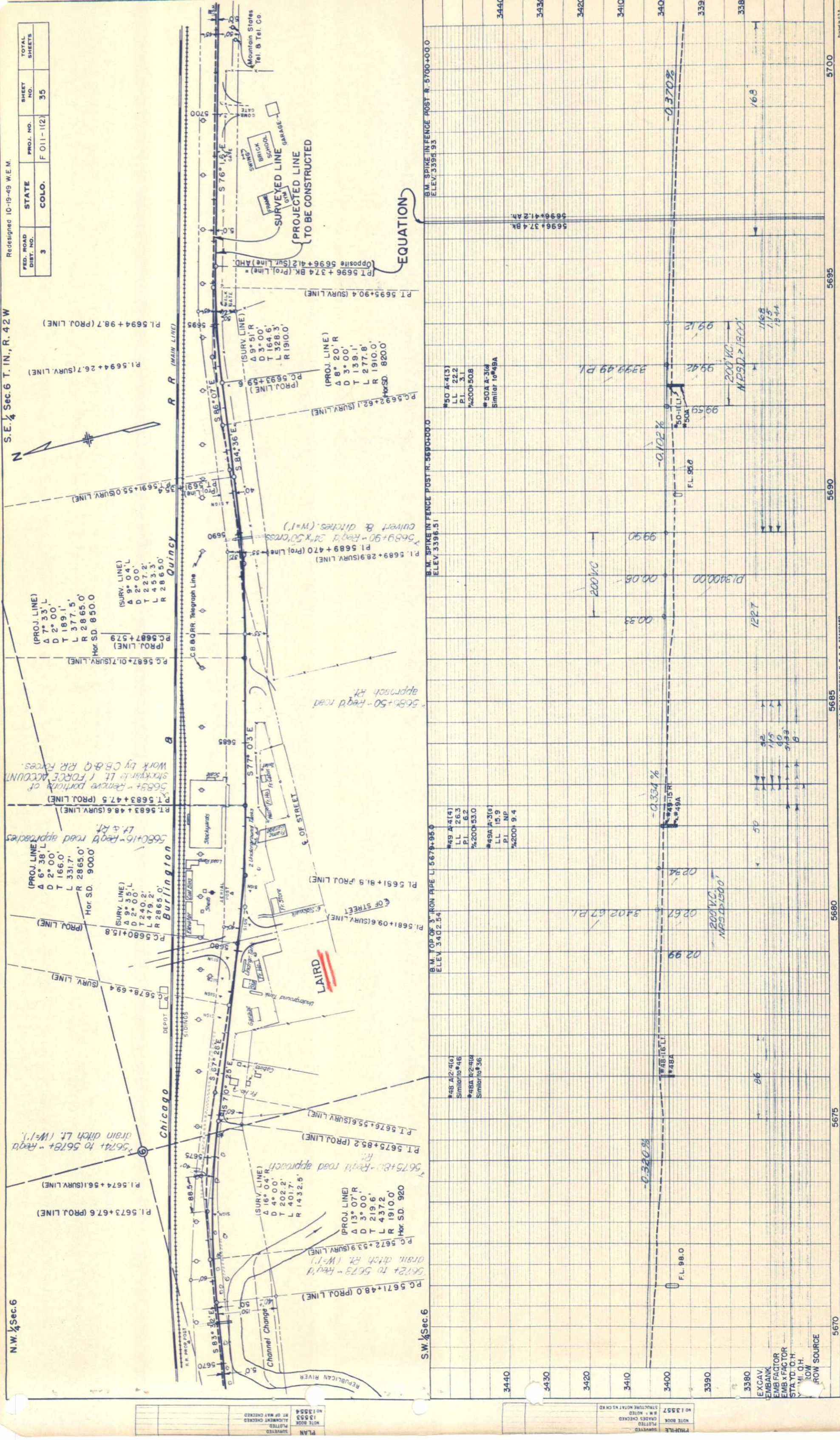
*43 A-2-4(0)
Similar to *42A



EXCAV.	EMBANK.	EMB. FACTOR	EMB. X FACTOR	STA. TO D.H.	YD. M.O.H.	LOW.	ROW SOURCE

NO. 13557 STRUCTURE NOTED IN CIRCUIT	NO. 13556 B.M. NOTED GRADES CHECKED	NO. 13554 SURVEYED PLOTTER ALIGNED CHECKED MT. OF WAY CHECKED
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FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F 011-1(2)	35	



S.W. 1/4 Section 5
T. 1 N., R. 42. W.

Redesigned 'O-19-49, W.E.M.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F011-1(2)	36	

5723+ to 5728+ ~ Fill low spot Lt.

