







DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	AS SHOWN
2	ALIGNED CHECKED
3	RT. OF WAY CHECKED
4	NOTED
5	NO. 2
6	NO. 3
7	NO. 4
8	NO. 5
9	NO. 6
10	NO. 7
11	NO. 8
12	NO. 9
13	NO. 10
14	NO. 11
15	NO. 12
16	NO. 13
17	NO. 14
18	NO. 15
19	NO. 16
20	NO. 17
21	NO. 18
22	NO. 19
23	NO. 20
24	NO. 21
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28	NO. 25
29	NO. 26
30	NO. 27
31	NO. 28
32	NO. 29
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95	NO. 92
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97	NO. 94
98	NO. 95
99	NO. 96
100	NO. 97
101	NO. 98
102	NO. 99
103	NO. 100

DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	AS SHOWN
2	ALIGNED CHECKED
3	RT. OF WAY CHECKED
4	NOTED
5	NO. 2
6	NO. 3
7	NO. 4
8	NO. 5
9	NO. 6
10	NO. 7
11	NO. 8
12	NO. 9
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96	NO. 93
97	NO. 94
98	NO. 95
99	NO. 96
100	NO. 97

N.W. 4 SEC 15, T. 9 S., R. 56 W.

STA. 1840+00 to 1841+50  
Remove 215 lin. ft. Board Snow Fence.

STA 1830+00 to 1842+00  
Req'd. 1200 lin. ft. picket snow fence

STA 1835+00  
Req'd. 30 cu yds Embankment  
for Road approach left.

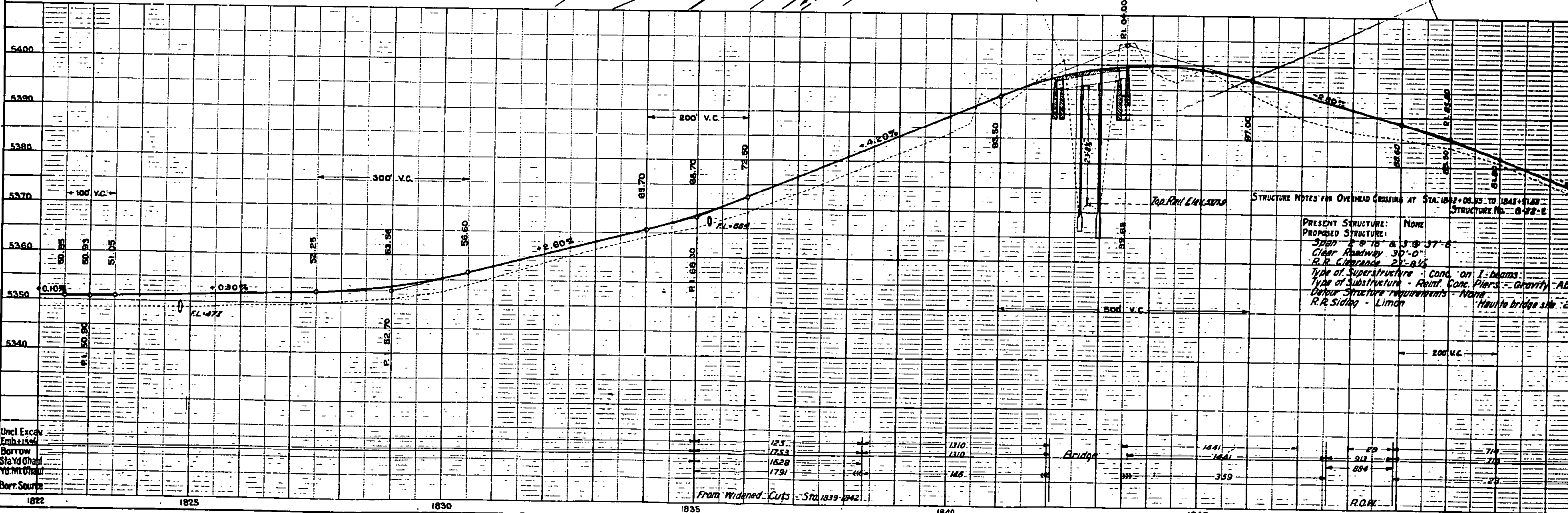
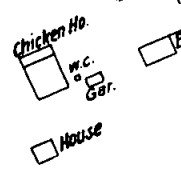
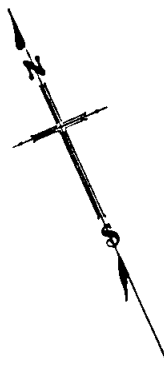
STA 1824+80  
Req'd. 30" x 70" CMP cross culvert  
and 50 cu yds Excavation for ditches

STA 1835+25  
Req'd. 25" x 64" CMP cross culvert.

STA 1845+00  
Req'd. 18" x 26" CMP  
side drain and 25  
cu yds. Embankment  
for road approach R.

STA. 1842+06.95 to 1843+51.65  
Req'd. Overhead Crossing at R.R.  
as per details on Sheets No. 6, 7 & 8.  
Req'd. 50' Wire Cable Guard Fence  
at each corner.

Δ 73° 21' R  
D 2° 00'  
T 2133.6  
L 3667.9  
R 2865.2



STRUCTURE NOTES FOR OVERHEAD CROSSING AT STA. 1842+06.95 TO 1843+51.65  
STRUCTURE NO. 6-22-E  
PRESENT STRUCTURE: NONE  
PROPOSED STRUCTURE:  
Span 2 @ 15' & 3 @ 37'-6"  
Clear Roadway 30'-0"  
R.R. Clearance 23'-8 1/2"  
Type of Superstructure - Conc. on I-beams  
Type of Substructure - Reinf. Conc. Piers - Gravity Abutments  
Design Structure requirements - None  
R.R. Siding - Limon  
How to bridge site - 2

From Widened Cuts - Sta. 1839-1842

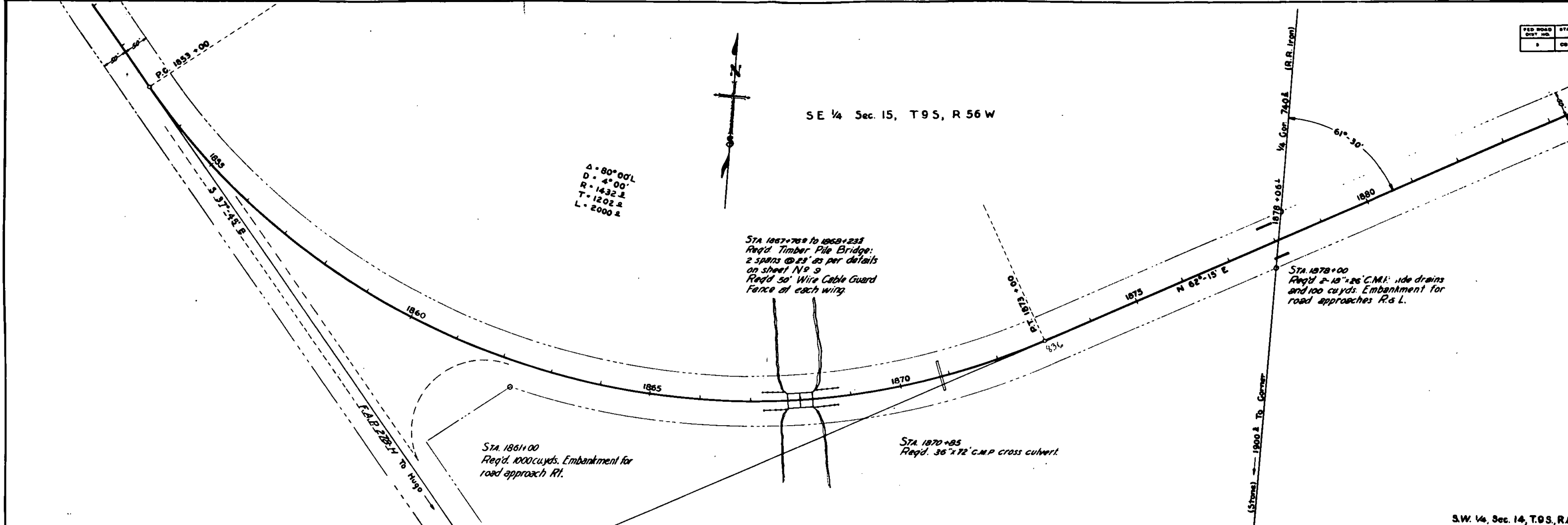
R.O.W.

SE 1/4 Sec. 15, T9S, R56W

Δ = 80° 00' L  
 D = 4° 00' R  
 R = 1432.2  
 T = 1202.2  
 L = 2000.4

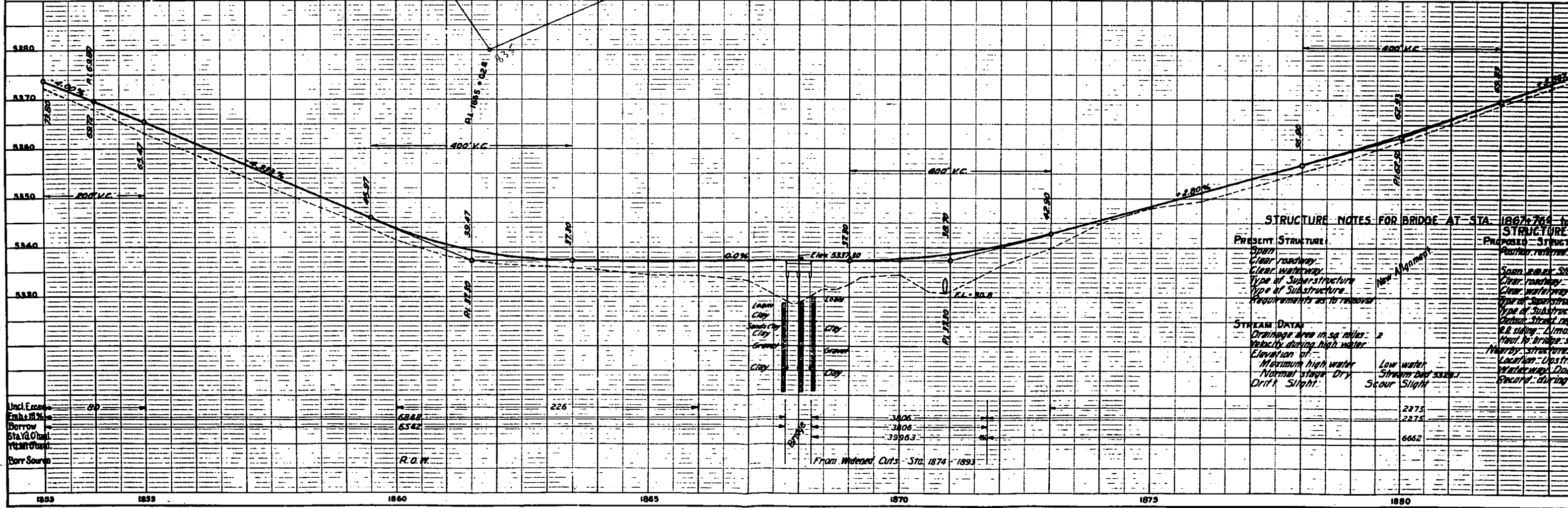


PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	



SW 1/4, Sec. 14, T9S, R14

PROFILE	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	



**STRUCTURE NOTES FOR BRIDGE AT STA. 1867+75 to 1869+23**

**PRESENT STRUCTURE:**  
 Span ~~2~~ 2  
 Clear roadway ~~20~~ 20  
 Clear waterway ~~20~~ 20  
 Type of Superstructure ~~Timber~~ ~~Timber~~  
 Type of Substructure ~~Timber~~ ~~Timber~~  
 Requirements as to removal ~~As to removal~~

**STREAM DATA:**  
 Drainage area in sq. miles ~~2~~ 2  
 Slope during high water ~~1/200~~ 1/200  
 Elevation of ~~Normal~~ ~~Normal~~ high water ~~5320.1~~ 5320.1  
 Normal stage ~~Dry~~ ~~Dry~~  
 Drift? ~~Slight~~ ~~Slight~~

**PROPOSED STRUCTURE:**  
 Span ~~2~~ 2  
 Clear roadway ~~20~~ 20  
 Clear waterway ~~20~~ 20  
 Type of Superstructure ~~Timber~~ ~~Timber~~  
 Type of Substructure ~~Timber~~ ~~Timber~~  
 Location ~~Upstream~~ ~~Upstream~~  
 Record during ~~Record~~ ~~Record~~

Uncl. Excav. 80  
 Embankment 6848  
 Dorrow 6562  
 Station 226  
 R.O.W.

NW 1/4 Sec. 14, T. 9 S., R. 56 W.

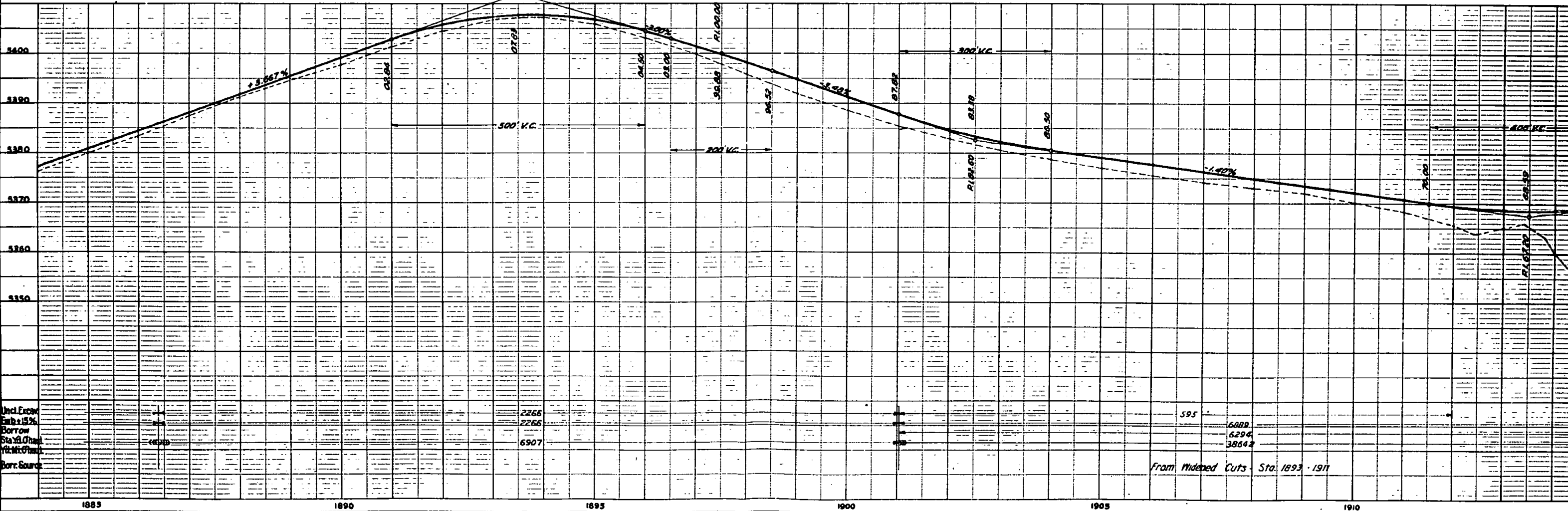
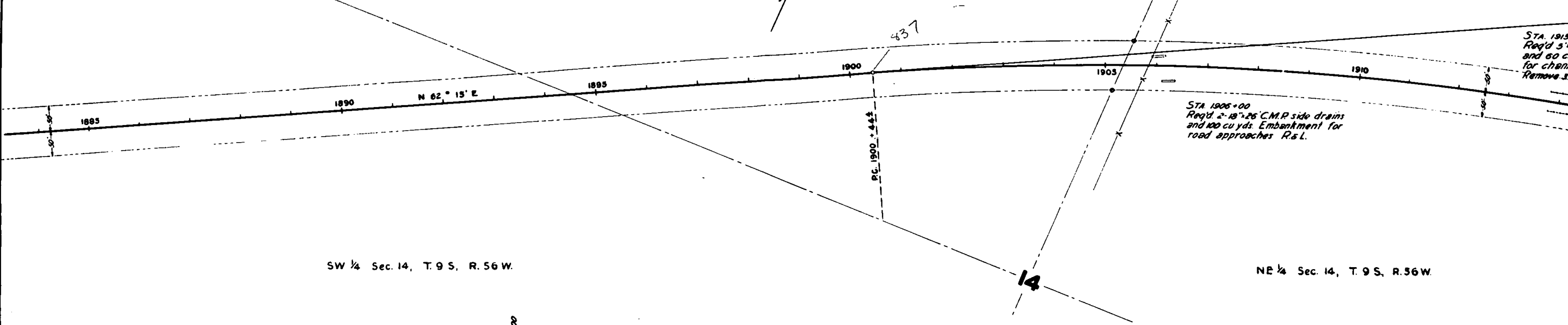
STA. 1913+00 to 1917+00  
Req'd 320 lin. ft. Wire Cable Guard  
Fence on each side of road.

STA. 1915  
Req'd 5' x  
and 60 cu  
for chan.  
Remove 3'

STA. 1906+00  
Req'd 2-18" x 26" C.M.P. side drains  
and 100 cu yds. Embankment for  
road approaches R.S.L.

SW 1/4 Sec. 14, T. 9 S., R. 56 W.

NE 1/4 Sec. 14, T. 9 S., R. 56 W.



Uncl. Excav	2266	595	6889
Emb. 15%	2266		5294
Borrow	6907		38642
Stat. of Road			
Yield of Road			
Borr. Source			

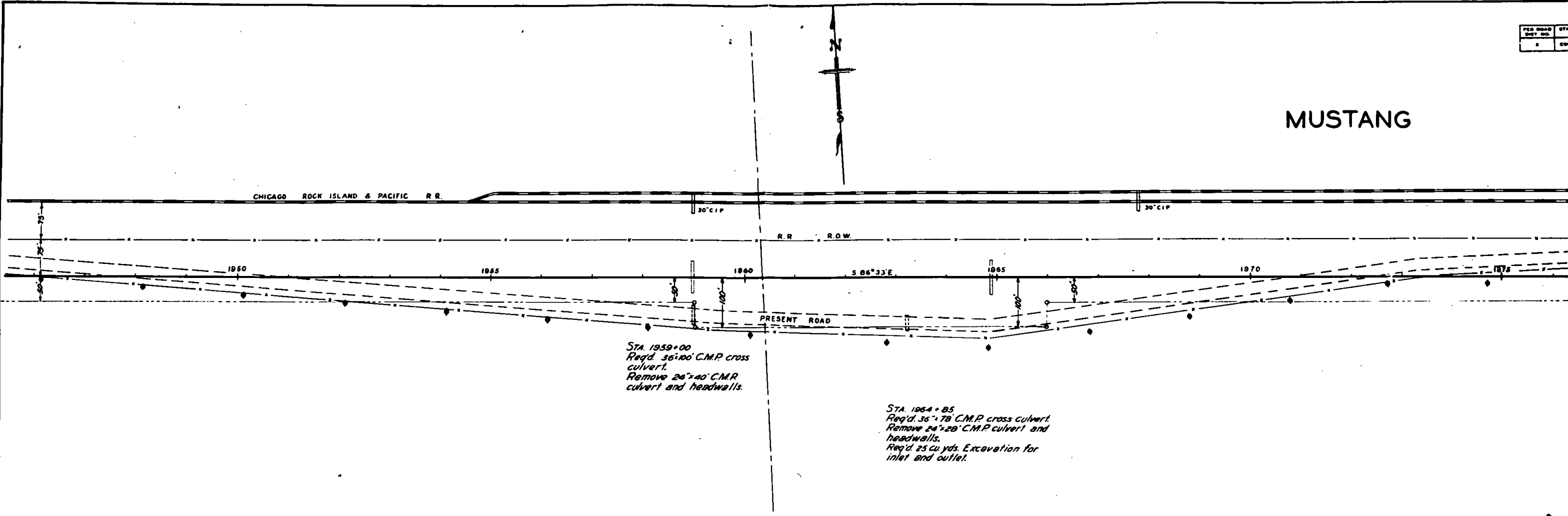
From Widened Cuts - Sta. 1893 - 1911

PLAN  
SURVEYED  
PLOTTED  
ALIGNMENT CHECKED  
NOTE BOOK NO. 4-5-55  
BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

PROFILE  
SURVEYED  
PLOTTED  
GRADES CHECKED  
NOTE BOOK NO. 4-5-56  
STRUCTURE NOTATIONS CHECKED  
BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



# MUSTANG

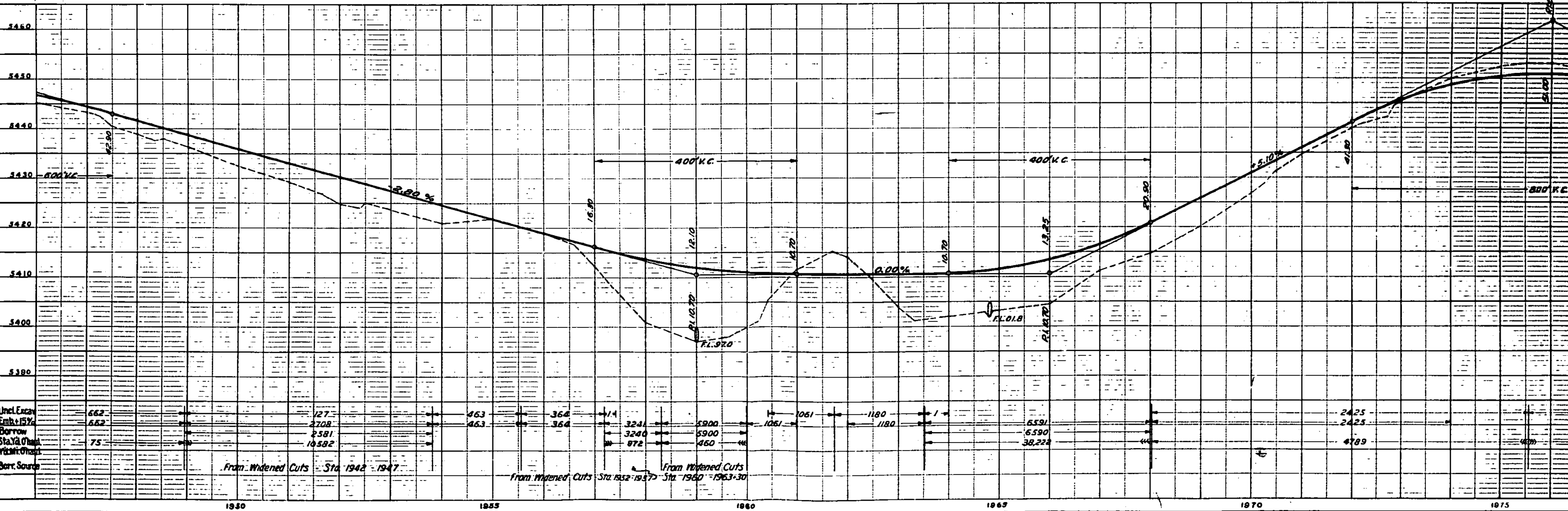


STA. 1959+00  
 Req'd. 36'x100' C.M.P. cross  
 culvert.  
 Remove 20'x40' C.M.P.  
 culvert and headwalls.

STA. 1964+85  
 Req'd. 36'x78' C.M.P. cross  
 culvert.  
 Remove 24'x28' C.M.P. culvert and  
 headwalls.  
 Req'd. 25 cu yds. Excavation for  
 inlet and outlet.

N.W. 1/4, Sec. 13, T.9 S., R.56 W.

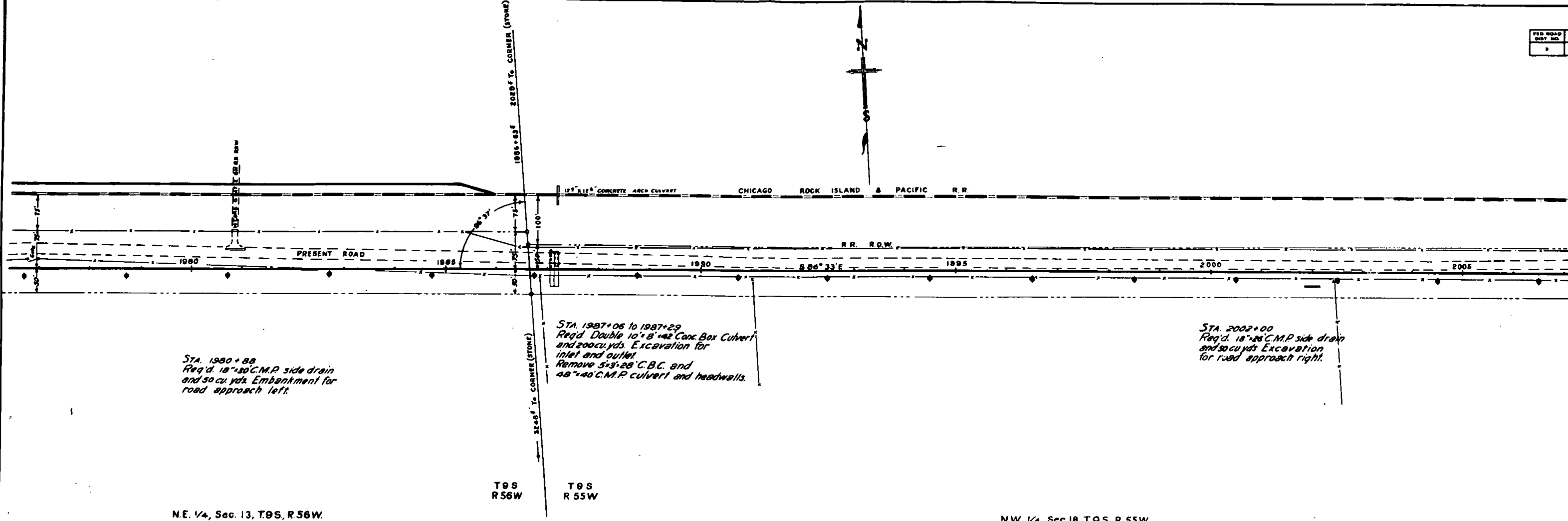
N.E. 1/4, Sec. 13, T.9 S., R.56 W.



DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	NOTE BOOK ALIGNED CHECKED
	NO. 4555

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	NOTE BOOK GRIDS CHECKED
	NO. 4556

DATE	
BY	
PLAN	
REVISIONS	
NO. 4.5.5.5	
NOTE BOOK	
ALIGNED CHECKED	
PT. OF WAY CHECKED	



STA. 1990+88  
Req'd. 18" x 30" C.M.P. side drain  
and 50 cu. yds. Embankment for  
road approach left.

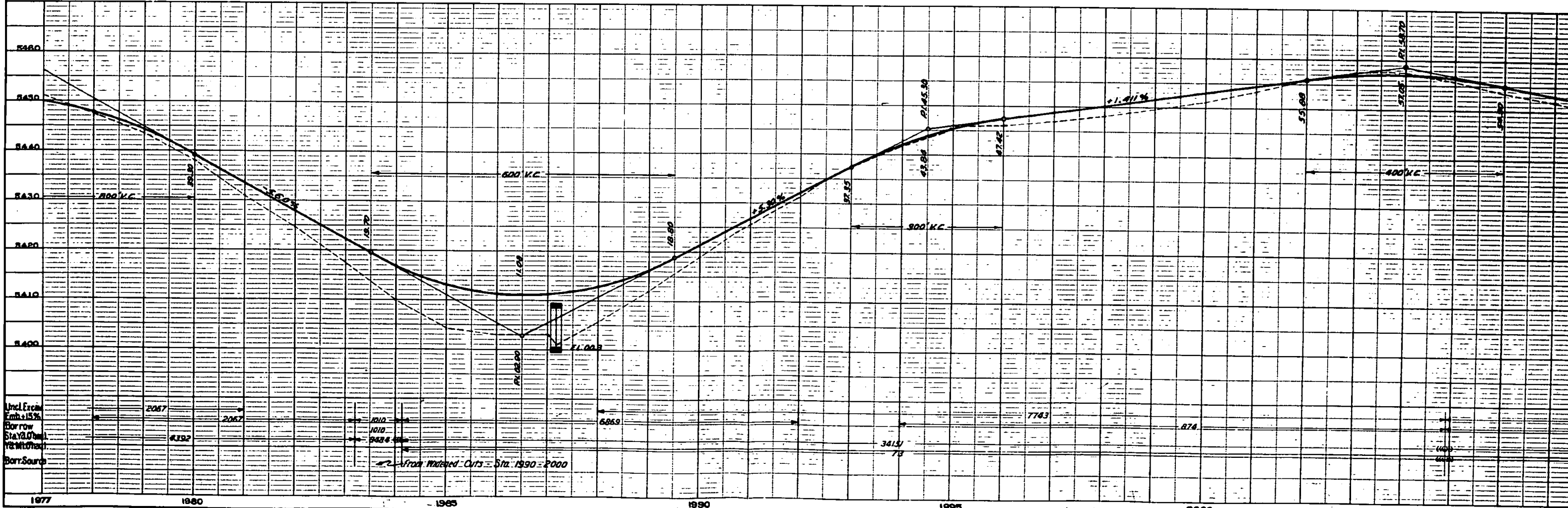
STA. 1987+06 to 1987+29  
Req'd. Double 10" x 8" x 42" Conc. Box Culvert  
and 200 cu. yds. Excavation for  
inlet and outlet.  
Remove 53' x 28" C.B.C. and  
28" x 40" C.M.P. culvert and headwalls.

STA. 2002+00  
Req'd. 18" x 30" C.M.P. side drain  
and 50 cu. yds. Excavation  
for road approach right.

NE 1/4, Sec. 13, T9S, R.56W

NW 1/4, Sec. 18, T9S, R.55W

DATE	
BY	
PROFILE	
REVISIONS	
NO. 4.5.5.6	
NOTE BOOK	
GRADE CHECKED	
STRUCTURE NOT AT CH. 40	



Uncl. Excm.  
Emb. +15%  
Borrow  
Sta. 1977  
Yr. 1977  
Bor. Source

From Watered Cuts - Sta. 1990 - 2000

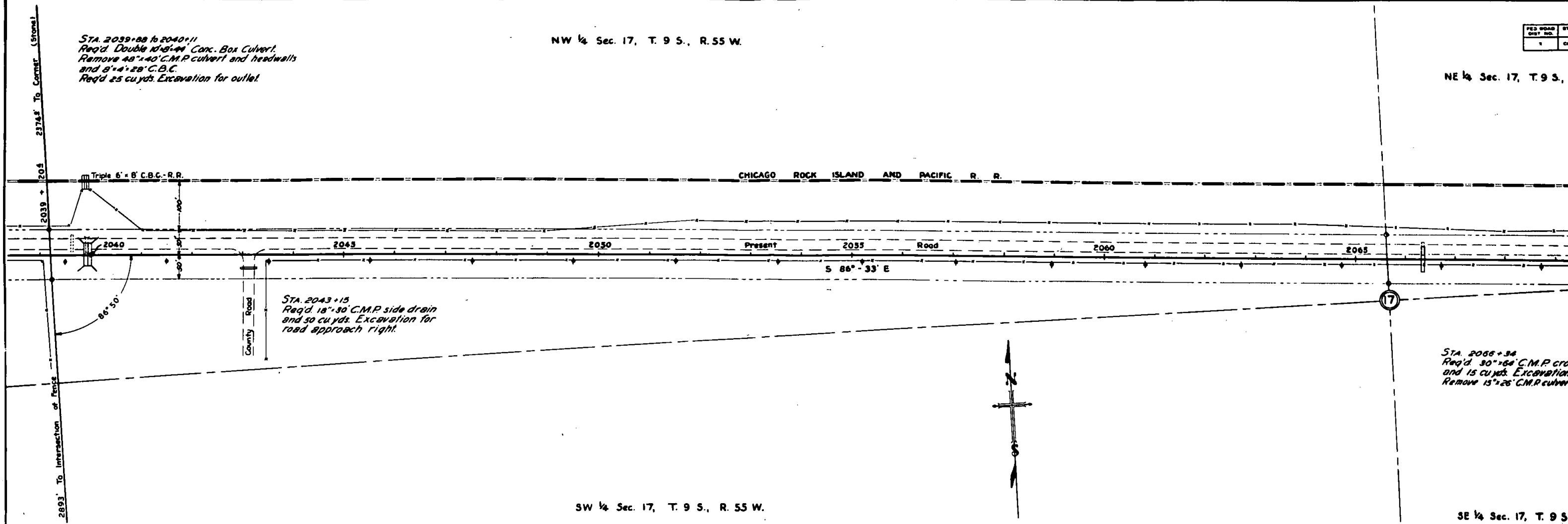


NW 1/4 Sec. 17, T. 9 S., R. 55 W.

NE 1/4 Sec. 17, T. 9 S.,

STA. 2039+00 to 2040+11  
 Req'd. Double 18" x 18" Conc. Box Culvert.  
 Remove 40" x 40" C.M.P. culvert and headwalls  
 and 8' x 4' x 20" C.B.C.  
 Req'd. 25 cu yds. Excavation for outlet.

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
NOTE BOOK ALIGNMENT CHECKED	
NO. 6.5.5.5	
RT. OF WAY CHECKED	



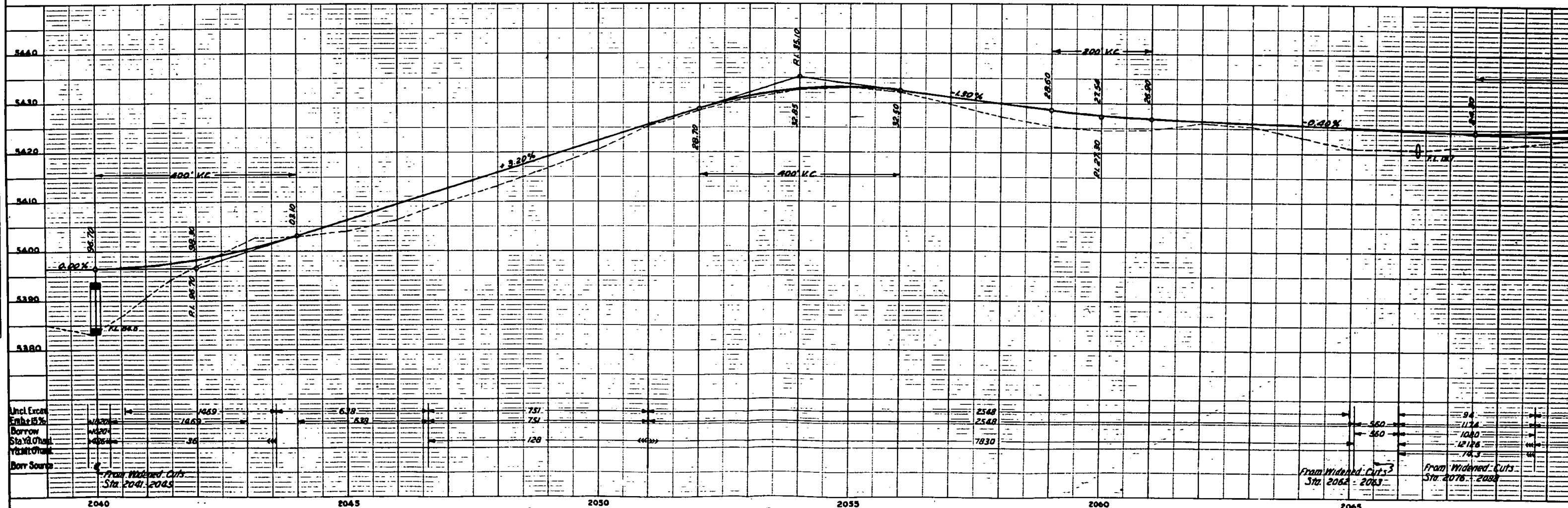
STA. 2043+15  
 Req'd. 18" x 30" C.M.P. side drain  
 and 50 cu yds. Excavation for  
 road approach right.

STA. 2065+34  
 Req'd. 30" x 60" C.M.P. CULV.  
 and 15 cu yds. Excavation  
 Remove 15" x 26" C.M.P. culvert.

SW 1/4 Sec. 17, T. 9 S., R. 55 W.

SE 1/4 Sec. 17, T. 9 S.,

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
NOTE BOOK GRADES CHECKED	
NO. 6.5.5.7	
STRUCTURE NOTED IN C.P.D.	





N.W. 1/4, Sec. 16, T. 9 S, R. 55 W

N.E. 1/4, Sec. 16, T. 9 S, R. 55 W

CHICAGO ROCK ISLAND & PACIFIC R. R.

R.R. R.O.W.  
PRESENT ROAD

100 ROAD	STATE
1	COLO

Δ = 20°20' L  
 D = 1°00'  
 R = 5730'  
 T = 1027'  
 L = 2033'

STA. 2105+70 to 2106+288  
 Req'd. Timber Pile Bridge:  
 2 spans @ 23' as per details  
 on Sheet No. 9  
 Req'd. 50' Wire Cable Guard  
 Fence of each wing  
 Remove 5+3'25" C.B.C.

STRUCTURE NOTES FOR BRIDGE AT STA. 2105+76<sup>9</sup> to 2106+235  
 STRUCTURE NO G-22-L

**PRESENT STRUCTURE:**  
 Span 5+8' C.B.C.  
 Clear roadway 15'  
 Clear waterway 15'  
 Type of Superstructure  
 Type of Substructure  
 Requirements as to removal Remove

**PROPOSED STRUCTURE:**  
 Position referred to present structure  
 Span 20+28' Std. P-17-A Type Abutts (Cattle Pass)  
 Clear roadway 29'  
 Clear waterway 26+4'  
 Type of Superstructure-Treated Timber P-17-A  
 Type of Substructure-Treated Timber Piling P-17-A  
 Detour structure requirements None  
 R.R. siding Limon Haul to bridge site 7 mi.

**STREAM DATA:**  
 Drainage area in sq miles  
 Velocity during high water  
 Elevation of:  
 Maximum high water  
 Normal stage Dry  
 Drift Slight  
 Scour Slight

Low water  
 Stream bed 5457

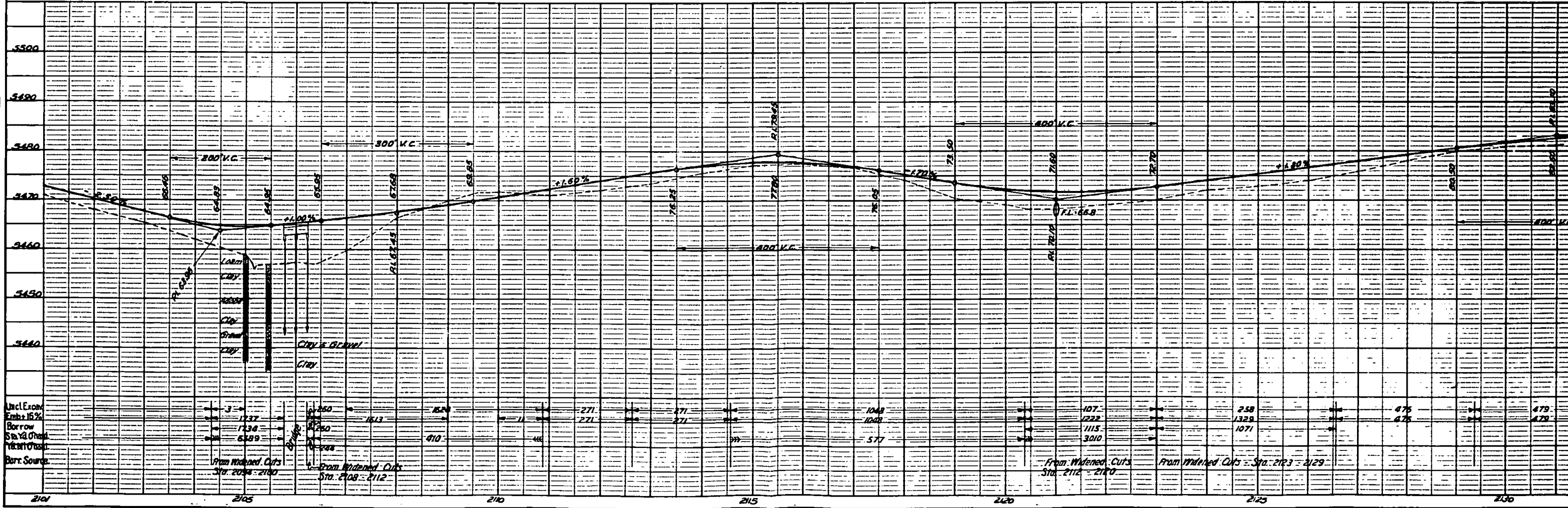
Nearby structures on same stream:  
 Location Upstream 300's  
 Water way 1-44' P Girder on R.R. (26+4")  
 Record during floods



STA. 2121+00  
 Req'd 30"x66" C.M.P. cross culvert,  
 and 150 cu yds. Excavation for  
 inlet and outlet.

SW 1/4, Sec. 16, T. 9 S, R. 55 W

SE 1/4, Sec. 16, T. 9 S, R. 55 W



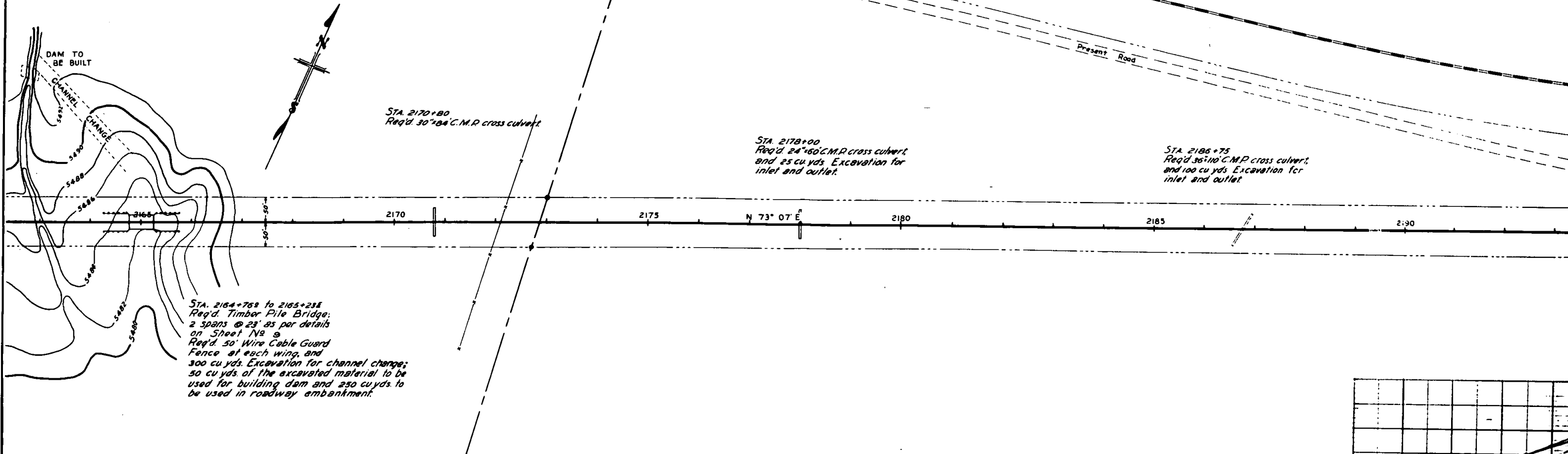
DATE	
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PROFILE	
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BY	

DATE	
BY	
PROFILE	
DATE	
BY	

Util. Excess Emb. 15%	3	1237	250	163	150	271	271	1048	107	258	475	475
Borrow Sta. Va. Over	1738	1738	1738	1738	1738	1738	1738	1048	1222	1328	475	475
Borrow Source	6389	6389	6389	6389	6389	6389	6389	577	3010	1071	1071	1071



110 ROAD DIST. NO.	STATE
1	COLO.

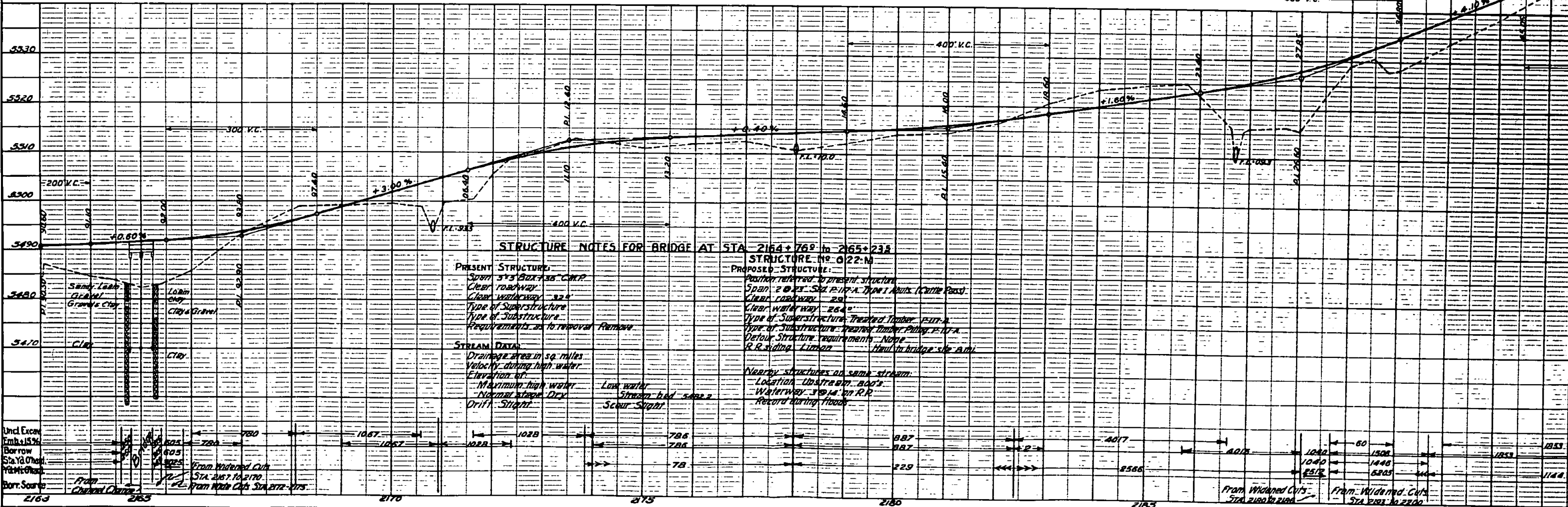


STA. 2164+769 to 2165+238  
 Req'd. Timber Pile Bridge;  
 2 spans @ 23' as per details  
 on Sheet No. 9  
 Req'd. 50' Wire Cable Guard  
 Fence at each wing, and  
 300 cu yds. Excavation for channel change;  
 50 cu yds. of the excavated material to be  
 used for building dam and 250 cu yds. to  
 be used in roadway embankment.

STA. 2170+80  
 Req'd. 30"x36" C.M.P. cross culvert.

STA. 2178+00  
 Req'd. 24"x36" C.M.P. cross culvert  
 and 25 cu yds. Excavation for  
 inlet and outlet.

STA. 2186+75  
 Req'd. 36"x36" C.M.P. cross culvert,  
 and 100 cu yds. Excavation for  
 inlet and outlet.



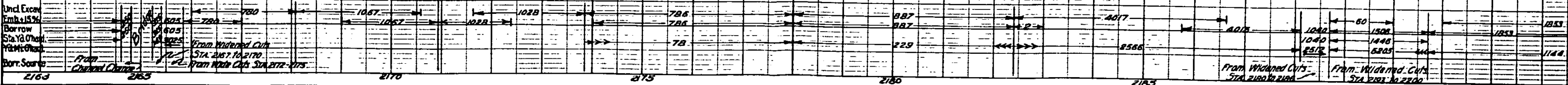
**STRUCTURE NOTES FOR BRIDGE AT STA. 2164+769 to 2165+238**

**PRESENT STRUCTURE:**  
 Span 3x3 Box 36" C.M.P.  
 Clear roadway 32'  
 Clear waterway 32'  
 Type of Superstructure  
 Requirements as to removal Remove

**PROPOSED STRUCTURE:**  
 Position referred to present structure  
 Span 2 @ 23' - Std. P.I.P.A. Type 1 Abutts (Cattle Pass)  
 Clear roadway 29'  
 Clear waterway 26.4'  
 Type of Superstructure Treated Timber Part-A  
 Type of Substructure Treated Timber Piling Part-A  
 Detail Structure requirements - None  
 R.R. siding Lumber Hand in bridge site and

**STREAM DATA:**  
 Drainage area in sq. miles  
 Velocity during high water  
 Elevation of:  
 Maximum high water Low water  
 Normal stage Dry Stream bed 5482.2  
 Drift Slight Scour Slight

**Nearby structures on same stream:**  
 Location Upstream 800'  
 Waterway 3 @ 14' on R.R.  
 Record during floods







FED. ROAD DIST. NO.	STATE
1	COLO.

DATE	
BY	
DESIGNED	
PLOTTED	
CHECKED	
NOTE BOOK	
NO. 45,527	
STRUCTURE NOTED VS. CHD.	

DATE	
BY	
DESIGNED	
PLOTTED	
CHECKED	
NOTE BOOK	
NO. 45,527	
STRUCTURE NOTED VS. CHD.	

