

**INDEX OF SHEETS**

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3	PLAN AND PROFILE STA. 0 TO STA. 30 B'
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5	66 TO 90
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7	150 TO 180
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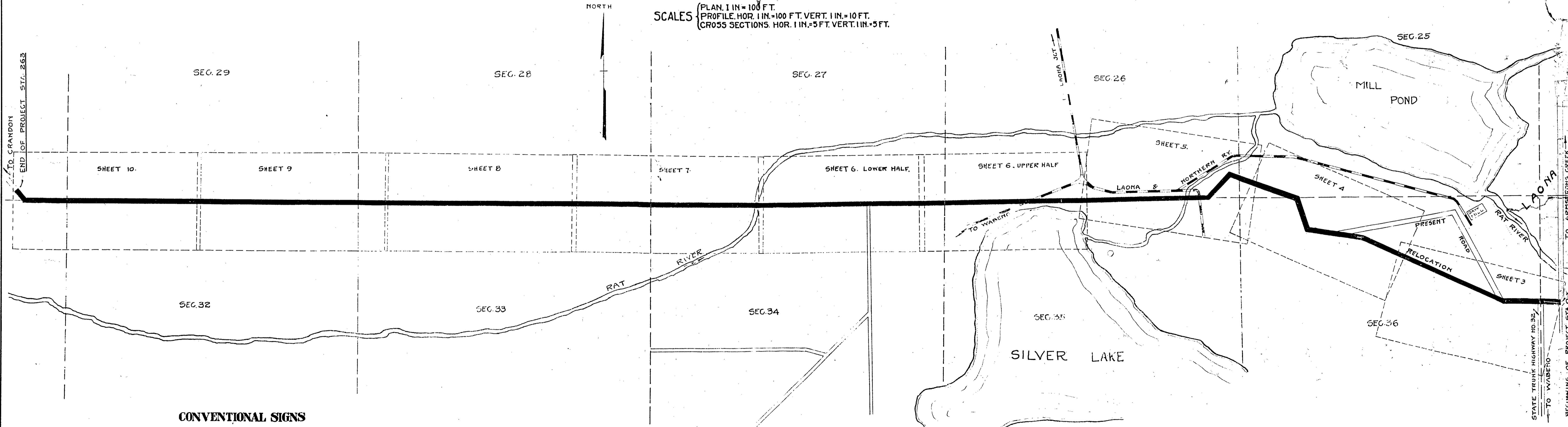
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	WISC.	207	1921	1	37

WISCONSIN PROJECT NO. 207  
DIV. JOB NO. 7494.

STATE OF WISCONSIN  
**WISCONSIN HIGHWAY COMMISSION**  
 PLAN AND PROFILE OF PROPOSED  
**LAONA - CRANDON ROAD**  
 FOREST COUNTY  
 FEDERAL AID PROJECT

COMMENCING AT STREET INTERSECTION IN VILLAGE OF LAONA, EXTENDING WESTERLY 25583 FEET.

SCALES (PLAN, 1 IN. = 100 FT.  
 PROFILE, HOR. 1 IN. = 100 FT., VERT. 1 IN. = 10 FT.  
 CROSS SECTIONS, HOR. 1 IN. = 5 FT., VERT. 1 IN. = 5 FT.)



**CONVENTIONAL SIGNS**

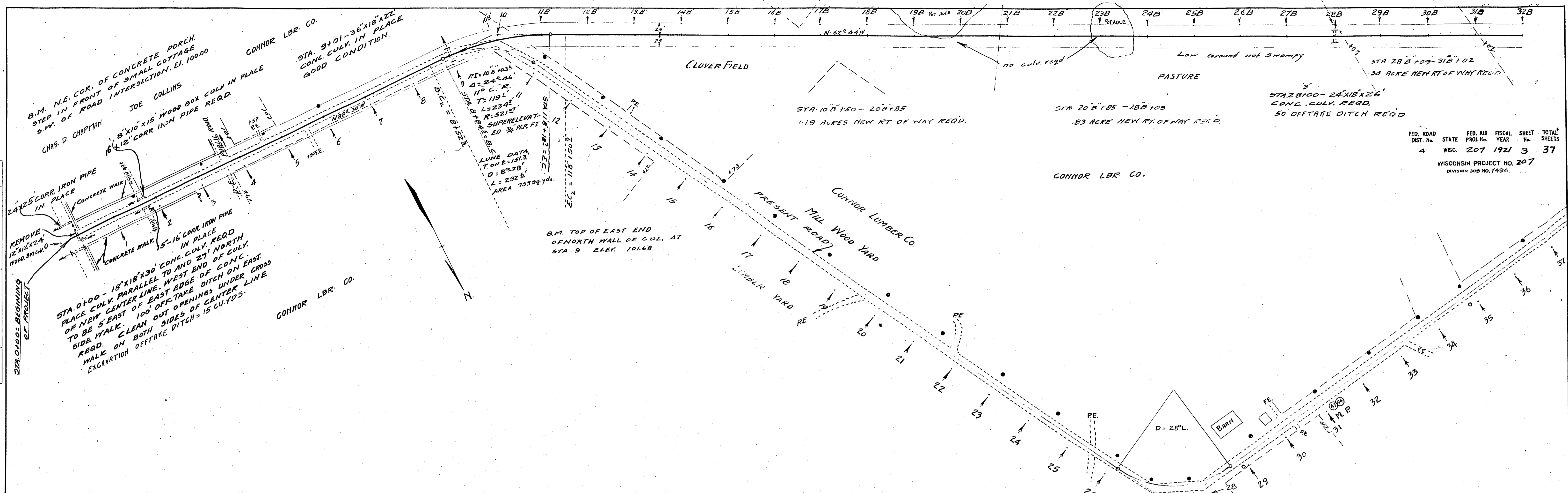
STATE AND NATIONAL LINE	— — — — —	CULVERTS	— — — — —
COUNTY LINE	— · — · — ·	DROP INLET	— — — — —
CITY, VILLAGE, OR TOWN	— · — · — ·	TROLLEY POLE	— — — — —
TOWNSHIP LINE	— · — · — ·	POWER POLE	— — — — —
SECTION LINE	— · — · — ·	TELEPHONE OR TELEGRAPH POLES	— — — — —
FENCE LINE	— · — · — ·	MAIL BOX	— — — — —
GUARD RAIL	— · — · — ·	REFERENCE STAKES	— — — — —
UNFENCED PROPERTY	— · — · — ·	MARSH	— — — — —
RIGHT OF WAY LINE	— · — · — ·	HEDGE	— — — — —
TRAVELED WAY	— · — · — ·	TREES	— — — — —
RAILROADS	— · — · — ·	GROUND ELEVATION	— — — — —
RETAINING WALL	— · — · — ·	GRADE ELEVATION	— — — — —
LEVEE	— · — · — ·		
BASE OR SURVEY LINE	— · — · — ·		

**LAYOUT**  
 SCALE 6 IN. = 1 MI.  
 TOTAL NET LENGTH OF CENTERLINE = 4.85 MI.

<p><b>WISCONSIN HIGHWAY COMMISSION</b> MADISON, WIS.</p> <p>Surveyor: <i>G. W. S. W. S.</i> Note Book 2143, 2148                  Div. Computer: <i>G. O. M. O.</i> Checker: <i>M. W. P. J. P.</i>                  Div. Checker: <i>G. F. H. S. E. S.</i> Correct: <i>F. O.</i></p> <p>CORRECT: <i>F. M. Suscott</i>                  DIVISION ENGINEER</p> <p>RECOMMENDED FOR APPROVAL: <i>H. J. Vanhook</i> 1/7/21                  ASSISTANT ENGINEER</p> <p>APPROVED: <i>A. P. Hint</i>                  STATE HIGHWAY ENGINEER</p>	<p><b>U.S. DEPARTMENT OF AGRICULTURE</b>                  BUREAU OF PUBLIC ROADS</p> <p>RECOMMENDED FOR APPROVAL: <i>[Signature]</i>                  DISTRICT ENGINEER</p> <p>CHIEF ENGINEER</p> <p>APPROVED: <i>[Signature]</i>                  DIRECTOR</p> <p>DATE: <i>2/23/1921</i></p>
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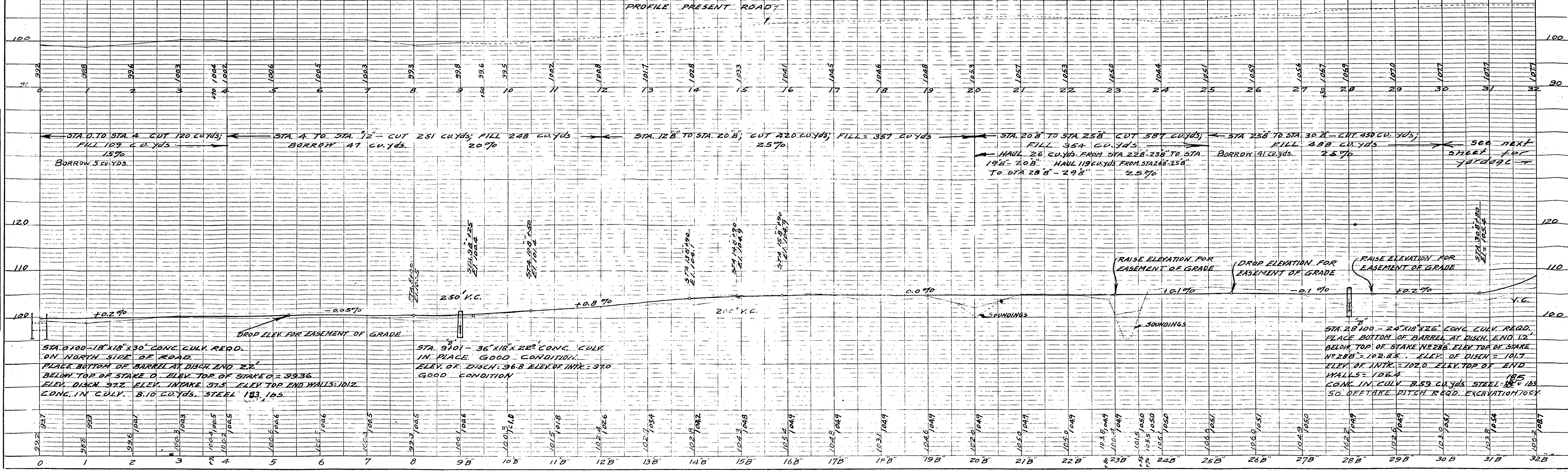
DATE 8-20-20  
 BY S. WHEELER  
 SURVEYED BY S. WHEELER  
 PLOTTED BY S. WHEELER  
 NOTE BOOK NO. 2193  
 STRUCTURE NOT IN CHARGE

DATE 8-20-20  
 BY M. P. FUGITT  
 SURVEYED BY M. P. FUGITT  
 GRADES CHECKED BY M. P. FUGITT  
 B.M. NOTED BY M. P. FUGITT  
 NO. 418  
 STRUCTURE NOT IN CHARGE



FED. ROAD DIST. No. 4  
 STATE WISC.  
 FED. AID PROJ. No. 207  
 FISCAL YEAR 1921  
 SHEET No. 3  
 TOTAL SHEETS 37  
 WISCONSIN PROJECT NO. 207  
 DIVISION JOB NO. 7494

NET CENTER LINE LENGTH STA. 0 TO STA. 30B = 3000'

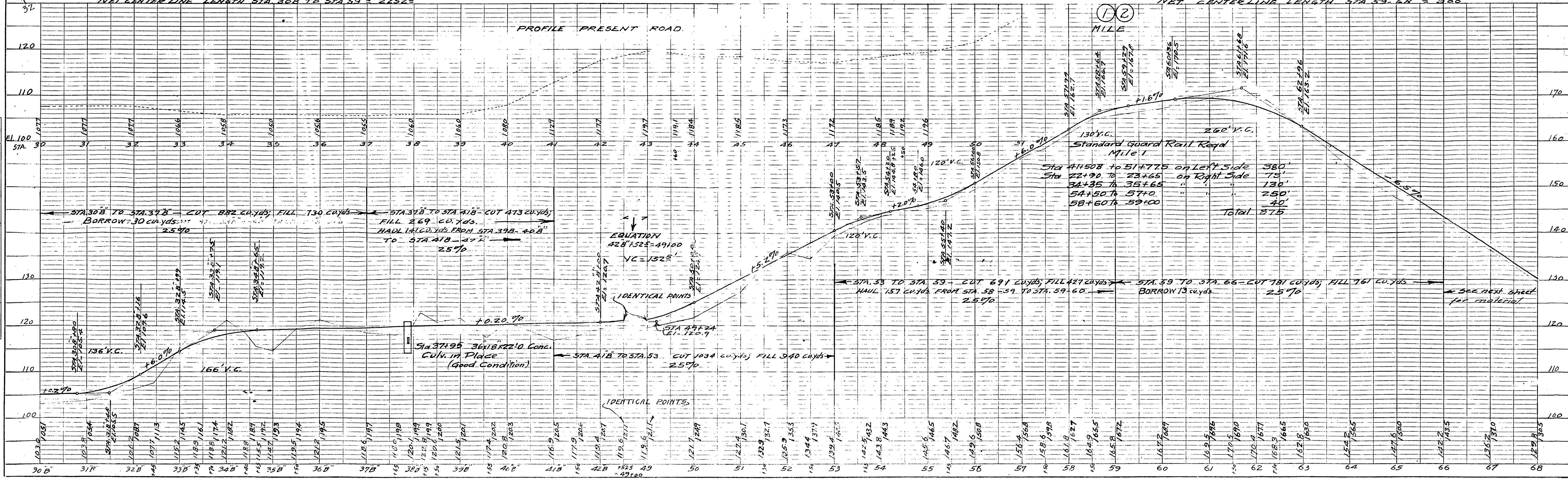
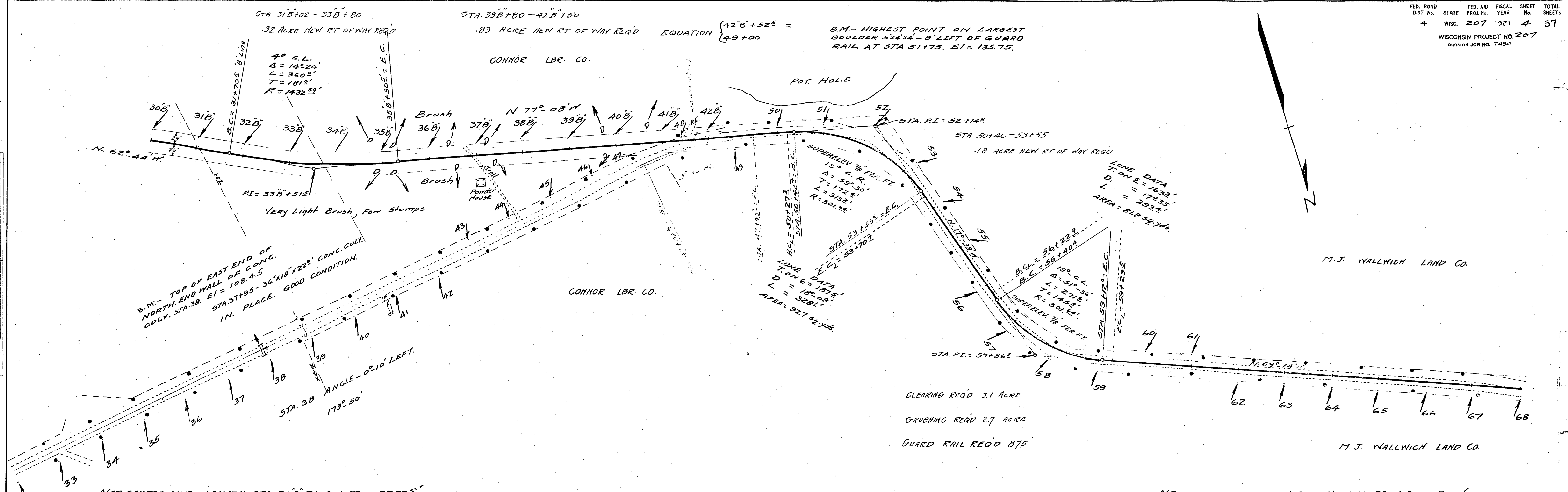


DATE: 8-20  
 BY: C.V. HODDGE  
 CHECKED: C.F. HODDGE  
 NO. 2143

PLAN SURVEYED: PLOTTED: NOTE BOOK: NO. 2143

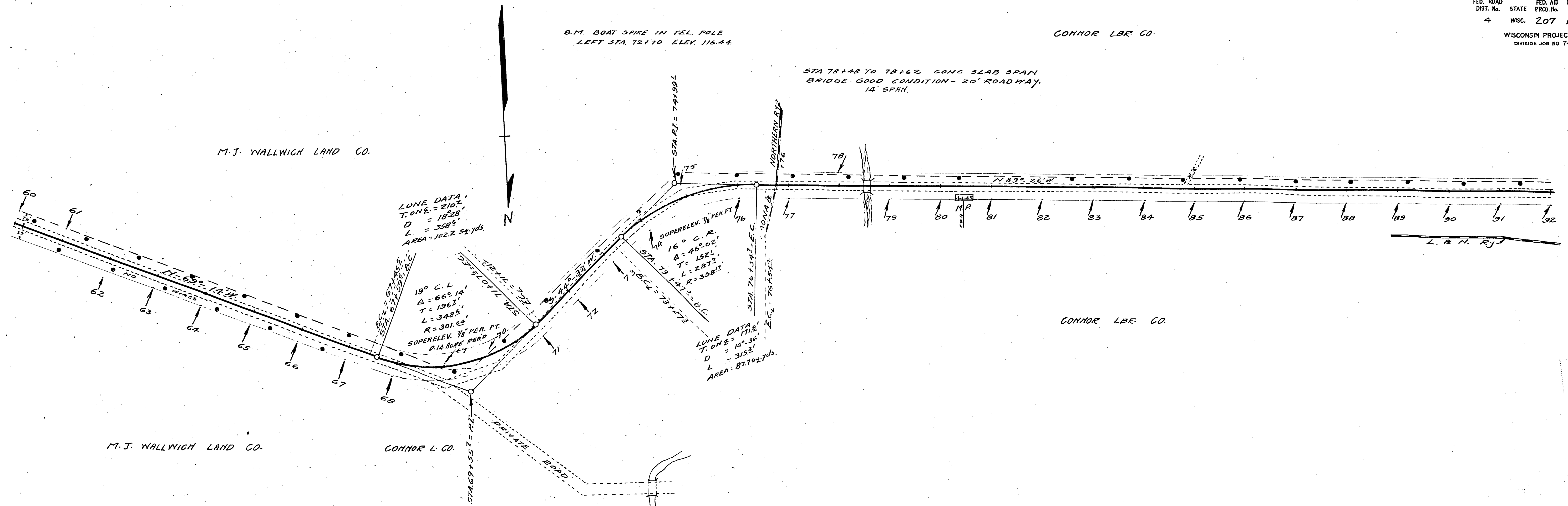
DATE: 8-10  
 BY: H. P. BENTLEY  
 CHECKED: C.F. HODDGE  
 NO. 2143

PROFILE SURVEYED: PLOTTED: NOTE BOOK: NO. 2143

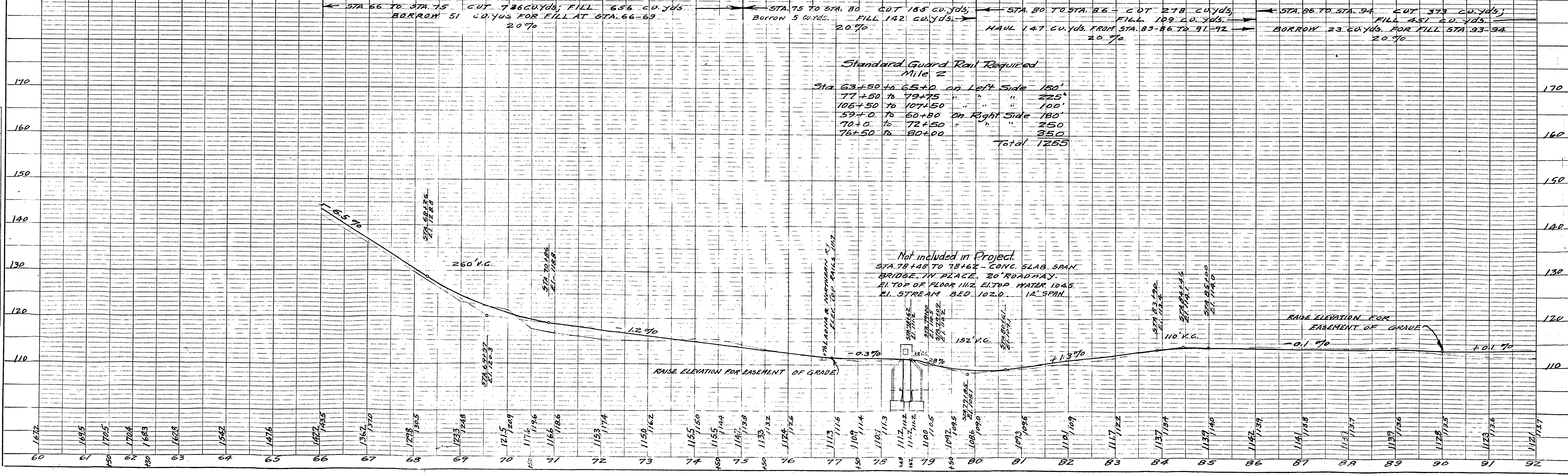


DATE 12/14/20  
 BY W.P. BOYD  
 SURVEYED BY C. J. BOYD  
 PLOTTED BY C. J. BOYD  
 CHECKED BY C. J. BOYD  
 PLAN NO 2143

DATE 9-20  
 BY W.P. BOYD  
 SURVEYED BY C. J. BOYD  
 PLOTTED BY C. J. BOYD  
 CHECKED BY C. J. BOYD  
 PROFILE NO 2148



NET CENTER LINE LENGTH STA. 68 TO STA. 92 = 2386 FT. 1/4 CENTER LINE LENGTH OMITTED FOR BRIDGE STA. 78+55



Standard Guard Rail Required  
 Mile 2

Sta 63+50 to 65+0 on Left Side	150'
77+50 to 79+75 " " "	225'
106+50 to 107+50 " " "	100'
59+0 to 60+80 on Right Side	180'
70+0 to 72+50 " " "	250'
76+50 to 80+00 " " "	350'
<b>Total</b>	<b>1255'</b>

Not included in Project.  
 STA. 78+48 TO 78+62 - CONC. SLAB SPAN BRIDGE IN PLACE, 20' ROADWAY.  
 EL. TOP OF FLOOR 112 EL. TOP WATER 1045  
 EL. STREAM BED 102.0 14' SPAN

RAISE ELEVATION FOR EASEMENT OF GRADE

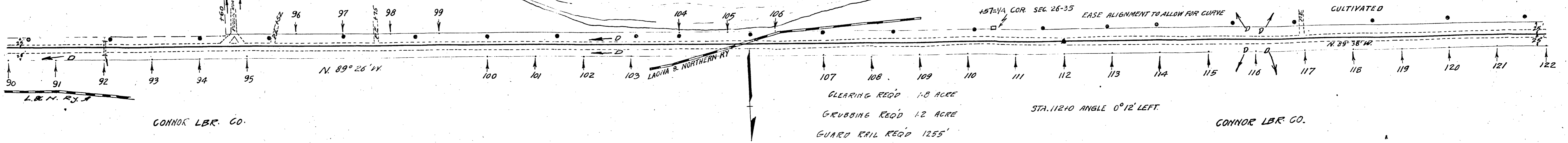
RAISE ELEVATION FOR EASEMENT OF GRADE

CONNOR L. CO.

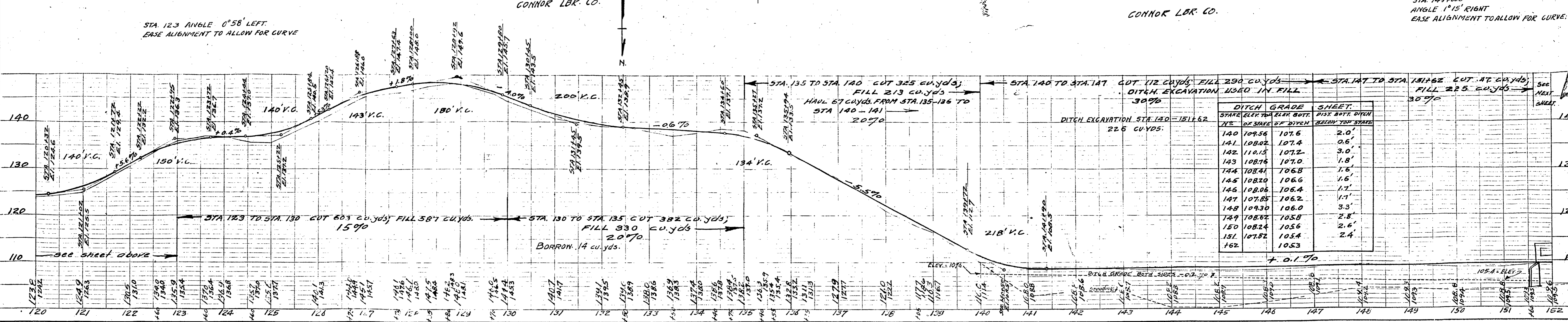
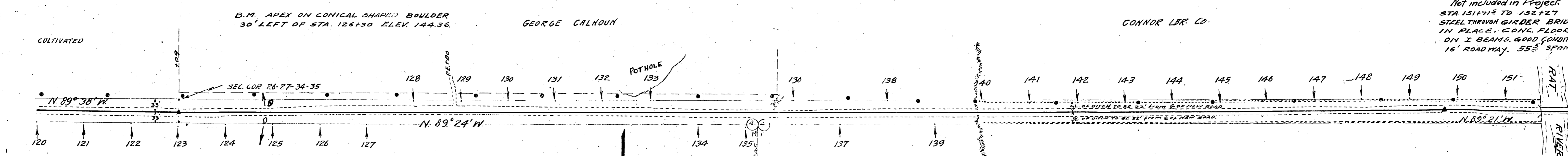
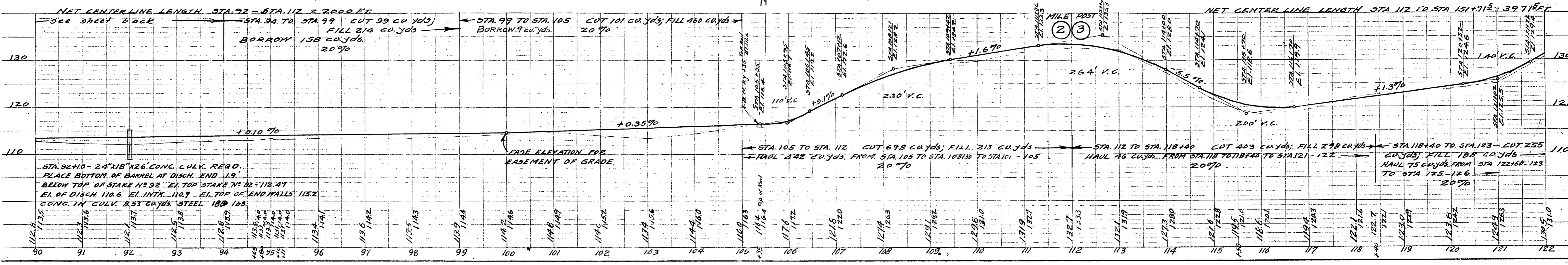
CONNOR LOR. CO.

STA 92+00 - 24"x18"x26" CONC. CULVERT REQD. D19 OFF-TAKE DITCH. EXCAVATION = 50 CU. YDS.

SILVER LAKE



DATE: 8-20-20  
 SURVEYED BY: M.P. Miller, C. O. Miller, C.C. Wimmermiller, C.C. Wimmermiller, E. J. DIBBET  
 PLOTTED BY: C. O. Miller  
 CHECKED BY: C. O. Miller  
 NO. 2143



STA.	DITCH GRADE	GRADE	SHEET
75'	OF SLOPE	OF DITCH	BELOW TOU STATE
140	109.56	107.6	2.0'
141	108.02	107.4	0.8'
142	110.15	107.2	3.0'
143	108.16	107.0	1.8'
144	108.31	106.8	1.6'
145	108.20	106.6	1.6'
146	108.06	106.4	1.7'
147	107.85	106.2	1.7'
148	109.30	106.0	3.3'
149	108.62	105.8	2.8'
150	108.24	105.6	2.6'
151	107.82	105.4	2.4'
152		105.3	

DATE: 8-20-20  
 SURVEYED BY: M.P. Miller, C. O. Miller, C.C. Wimmermiller, C.C. Wimmermiller, E. J. DIBBET  
 PLOTTED BY: C. O. Miller  
 CHECKED BY: C. O. Miller  
 NO. 2143

Not included in Project  
 STA. 151+71.5 TO 152+27  
 STEEL THROUGH GIRDER BRIDGE  
 IN PLACE. CONC. FLOOR  
 ON I BEAMS. GOOD CONDITION  
 16' ROADWAY. 55' SPAN.

STA. 149+00.8  
 ANGLE 1°15' RIGHT  
 EASE ALIGNMENT TO ALLOW FOR CURVE.

CONNOR LBR. CO.

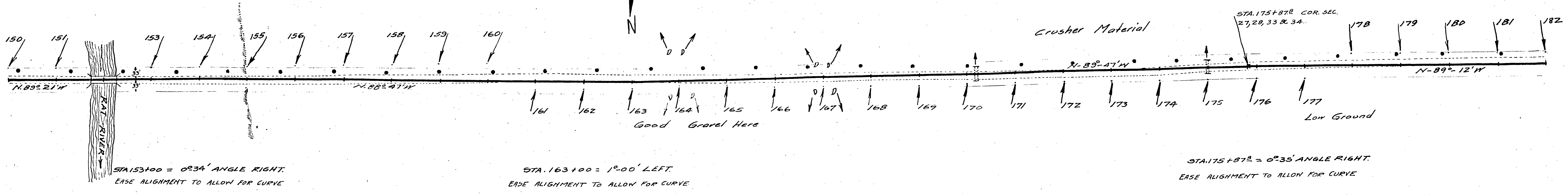
HOLT LBR. CO.

G. & N. W. RY. CO.

STA. 175+00 - 24" CORR IRON PIPE TO BE REPLACED BY A 24"x18"x26" CONC. CULV.

STA. 170+20 - 15" CORR IRON PIPE TO BE REPLACED BY A 24"x18"x26" CONC. CULV.

STA. 151+71.5 TO STA. 152+27 STEEL THROUGH GIRDER BRIDGE IN PLACE. CONC. FLOOR ON I-BEAMS. GOOD CONDITION. 16' ROADWAY. 55' SPAN.



B.M. TOP OF WEST END OF NORTH STEEL GIRDER. ELEV. 114.27.

CONNOR LBR. CO.

CLEARING REQD 2.4 ACRE  
 GRUBBING REQD 18 ACRE  
 GUARD RAIL REQD 1400'

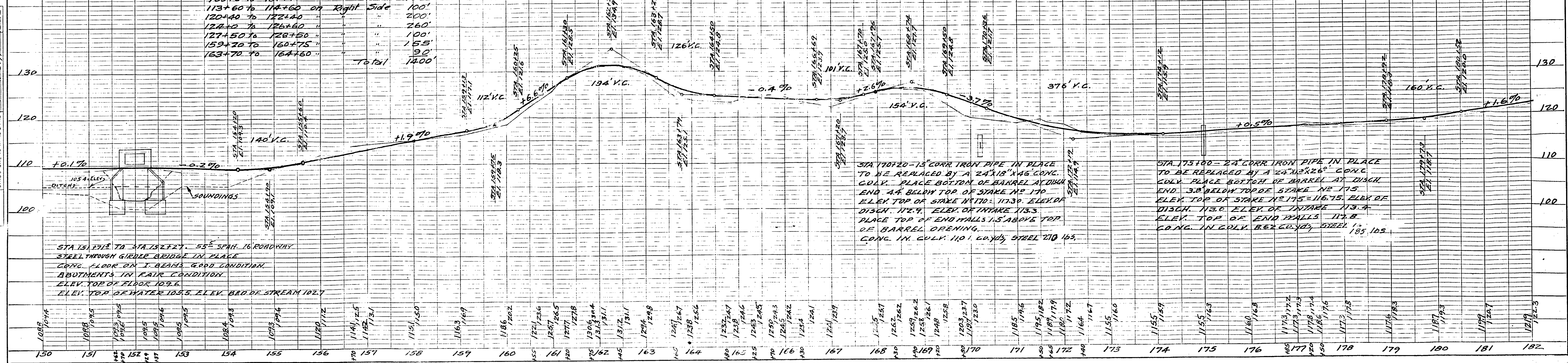
CONNOR LBR. CO.

CONNOR LBR. CO.

NET CENTER LINE LENGTH STA 152+27 TO STA 165 = 1273 FT.	NET CENTER LINE LENGTH STA 165 TO STA 182 = 1700 FT.
SEE SHEET BACK - BRIDGE - STA 152+31 TO STA 152+37 CUT 360 CU YDS. FILL 209 CU YDS. HAUL 281 CU YDS. FROM STA 135-137 EAST TO 150-151+62 36%.	STA 158 TO STA 165 CUT 801 CU YDS. FILL 611 CU YDS. HAUL 316 CU YDS. FROM STA 161+15-162 WEST TO 166-167 25%.
	STA 165 TO STA 171 CUT 314 CU YDS. FILL 770 CU YDS. 25%.
	STA 171 TO STA 178 CUT 436 CU YDS. FILL 303 CU YDS. HAUL 22 CU YDS. FROM STA 171-171+65 EAST TO STA 170 USE EXCESS AS GRAVEL SURFACING = 535 CU YDS. 25%.
	STA 178 TO STA 186 CUT 418 CU YDS. FILL 312 CU YDS. HAUL 44 CU YDS. FROM STA 185-186 WEST 28%.

Standard Guard Rail Required  
 Mile 3

Sta 115+0 to 116+40 on Left Side	140'
132+75 to 134+40 "	165'
163+0 to 164+90 "	190'
113+60 to 114+60 on Right Side	100'
120+40 to 122+40 "	200'
124+40 to 126+60 "	260'
127+50 to 128+50 "	100'
159+20 to 160+75 "	155'
163+70 to 164+60 "	90'
<b>Total</b>	<b>1400'</b>



STA 151+71.5 TO STA 152+27. 55' SPAN. 16' ROADWAY. STEEL THROUGH GIRDER BRIDGE IN PLACE. CONC. FLOOR ON I-BEAMS. GOOD CONDITION. ABUTMENTS IN FAIR CONDITION. ELEV. TOP OF FLOOR 109.6. ELEV. TOP OF WATER 105.5. ELEV. BED OF STREAM 102.7.

STA 170+20 - 15" CORR IRON PIPE IN PLACE TO BE REPLACED BY A 24"x18"x26" CONC. CULV. PLACE BOTTOM OF BARREL AT DITCH END 4.4' BELOW TOP OF STAKE NO 170. ELEV. TOP OF STAKE NO 170 = 117.39. ELEV. OF DITCH. 112.9. ELEV. OF INTAKE 113.3. PLACE TOP OF END WALLS 1.5' ABOVE TOP OF BARREL OPENING. CONC. IN CULV. 1101 CU YDS. STEEL 270 LBS.

STA 175+00 - 24" CORR IRON PIPE IN PLACE TO BE REPLACED BY A 24"x18"x26" CONC. CULV. PLACE BOTTOM OF BARREL AT DITCH END 3.8' BELOW TOP OF STAKE NO 175. ELEV. TOP OF STAKE NO 175 = 116.75. ELEV. OF DITCH. 113.0. ELEV. OF INTAKE 113.4. ELEV. TOP OF END WALLS 112.8. CONC. IN CULV. 862 CU YDS. STEEL 185 LBS.

PLAN  
 SURVEYED BY S. J. MORGAN, C. O. HANCOCK, C. F. HANCOCK, W. J. HANCOCK  
 PLOTTED BY S. J. MORGAN  
 CHECKED BY S. J. MORGAN  
 DATE 8-20-20

PROFILE  
 SURVEYED BY S. J. MORGAN, C. O. HANCOCK, C. F. HANCOCK, W. J. HANCOCK  
 PLOTTED BY S. J. MORGAN  
 CHECKED BY S. J. MORGAN  
 DATE 8-20-20

C. & N. W. RY. CO.

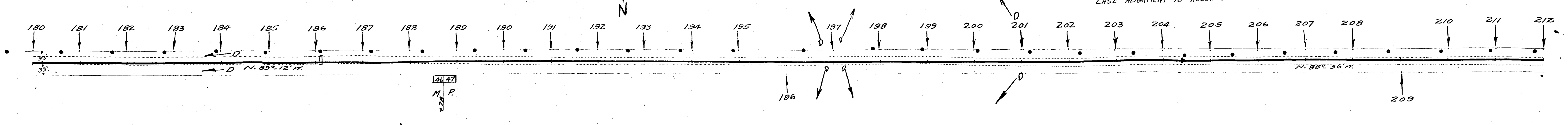
FALLS MFG. Co

FALLS MFG. CO.

STA. 186+19 - 24" x 26" CORR IRON PIPE TO BE REMOVED DRAIN EAST.

STA. 204+40 = ANGLE 0° 16' RIGHT. EASE ALIGNMENT TO ALLOW FOR CURVE

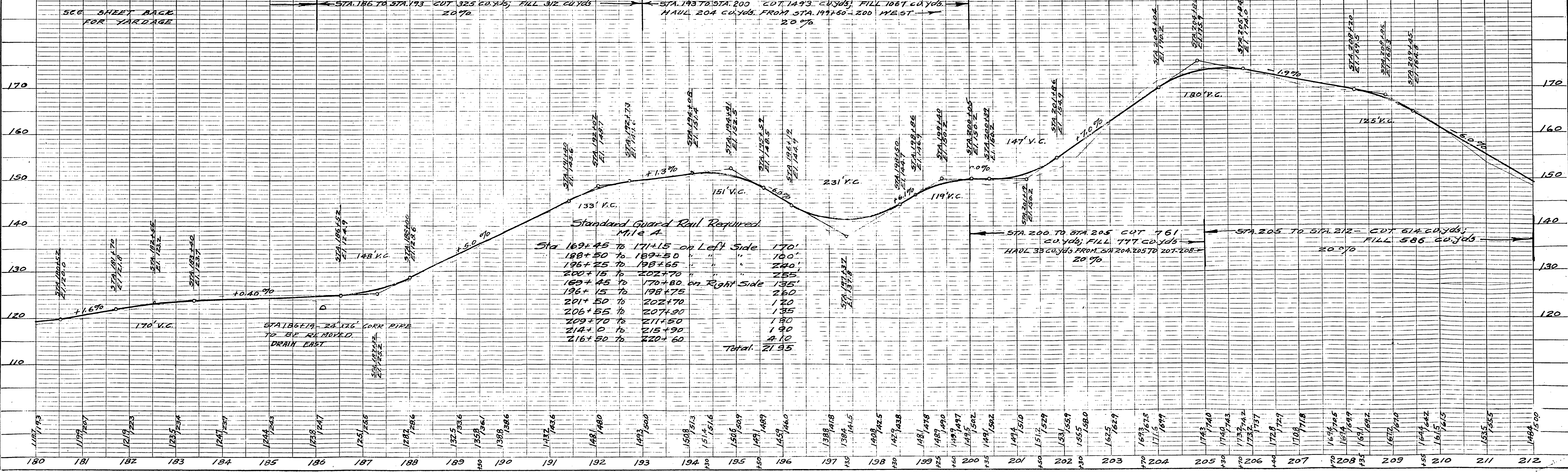
DATE 8-20 BY C. J. Probst, C. F. Hornumiller, W. S. W. SURVEYED C. J. Probst, C. F. Hornumiller, W. S. W. NOTE BOOK ALIGNED CHECKED BY 'JF' MAY CHECKED NO. 2143 PLAN



CONNOR LBR. CO.

CONNOR LBR. CO.

NET CENTER LINE LENGTH STA 187 TO STA 212 = 3000 FT.



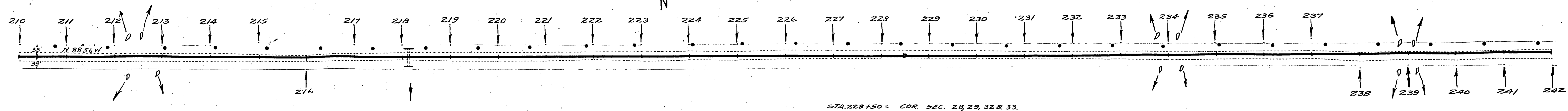
DATE 8-20 BY W. B. F. Hoff, C. J. Probst, C. F. Hornumiller, W. S. W. SURVEYED W. B. F. Hoff, C. J. Probst, C. F. Hornumiller, W. S. W. NOTE BOOK GRADES CHECKED BY B. M. INOTED NO. 2143 PROFILE

FALLS MFG. CO.

CONNOR LBR. CO.

CONNOR LBR. CO.

STA. 218+10. REMOVE 15" 24' C.I. PIPE  
 24' X 18" X 26' CONC. CULV. REQ'D.



CLEARING 2.4 ACRES

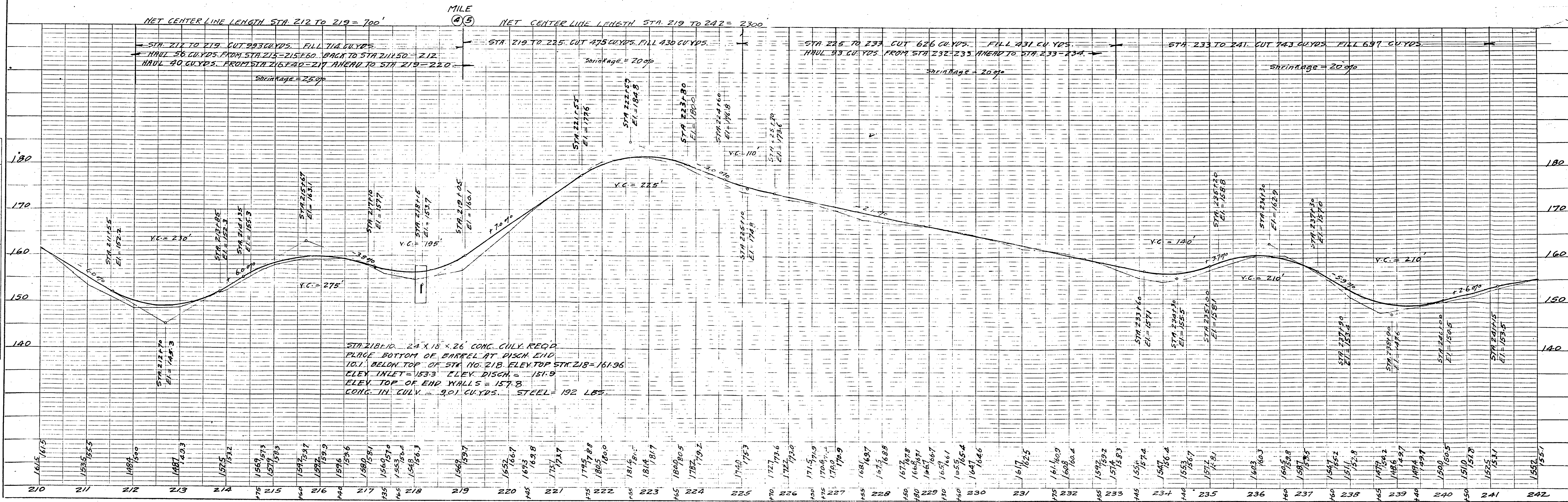
GRUBBING 1.8 ACRES

2195' GUARD RAIL REQ'D.

STA. 228+50 = COR. SEC. 28, 29, 32 & 33.

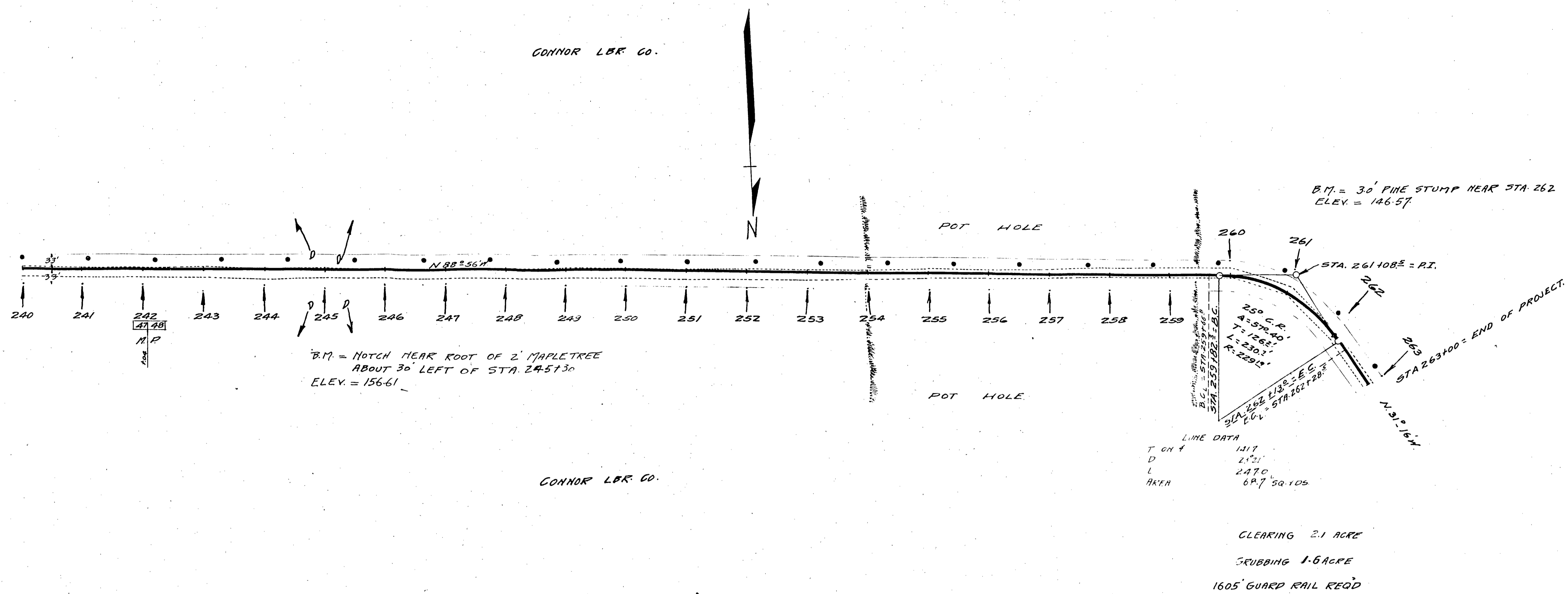
PLAN	DATE
NO. 2143	11-21
BY	DATE
C. J. O'CONNOR	11-20
C. F. HARMON	11-21
C. F. HARMON	11-21
C. F. HARMON	11-21
NOTE: CHECKED BY	DATE
NOTE: CHECKED BY	DATE

PROFILE	DATE
NO. 2143	11-21
BY	DATE
H. R. ELLIOTT	11-20
H. R. ELLIOTT	11-21
H. R. ELLIOTT	11-21
NOTE: CHECKED BY	DATE
NOTE: CHECKED BY	DATE





DATE 8.20  
 BY S. J. Probst  
 SUPERVISED C. J. Olson  
 CHECKED C. R. Hornum  
 NO. 2148  
 PLAN SURVEYED, PLOTTED, ALIGNED, CHECKED, NO. 2148, BY S. J. Probst, C. J. Olson, C. R. Hornum, DATE 8.20, 11.12.21, 1.12.22



LINE DATA

T ON A	1217
D	2'31"
L	2470
AREA	69.7 SQ. 105

CLEARING 2.1 ACRE  
 SCRUBBING 1.6 ACRE  
 1605' GUARD RAIL REQD

NET CENTER LINE LENGTH STA. 242 TO 263 = 2100'

STA 241 TO 248 CUT 286 CU YD. FILL 729 CU YD. 20% Shrinkage

STA 248 TO 257 CUT 802 CU YD. FILL 619 CU YD. 30% Shrinkage

STA 257 TO 263 CUT 264 CU YD. FILL 209 CU YD. BORROW 7 cu. yds. 30% Shrinkage

Standard Guard Rail Required  
 Mile 5

Sta 222+60 to 223+40 on Left Side	80'
224+75 to 226+25 "	150
227+20 to 228+40 "	120
232+60 to 234+30 "	170
237+30 to 239+00 "	170
243+15 to 244+70 "	155
245+60 to 246+60 "	100
247+40 to 248+50 "	110
253+50 to 255+70 "	170
227+20 to 227+90 on Right Side	70
229+10 to 229+80 "	70
239+70 to 240+40 "	70
253+50 to 255+70 "	170
<b>Total</b>	<b>1605</b>

DATE 8.20  
 BY H. P. Tibbitts  
 SUPERVISED C. J. Olson  
 CHECKED C. R. Hornum  
 NO. 2148  
 PROFILE SURVEYED, GRADES CHECKED, NOTE BOOK, B.M.'S NOTED, STRUCTURE NOT AT MS CH. NO., BY H. P. Tibbitts, C. J. Olson, C. R. Hornum, DATE 8.20, 11.12.21, 1.12.22

