FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	WISC.	187		1	72

WISCONSIN PROJECT NO.
DIV. JOB NO. 8154

INDEX OF SHEETS

SHEET NO. 1 TITLE PAGE
" " 2 TYPICAL CROSS-SECTION OF IMPROVEMENT & ESTIMATE
" " 5 PLAN AND PROFILE STA. 17G TO STA. 49G
" " 6 " " " " 49G " " 79G
" " 7 " " " " 79G " " 139G
" " 8 " " " " 139G " " 169G
" " 9 " " " " 169G " " 229G
" " 10 " " " " 229G " " 249G
" " 11 " " " " 249G " " 312H
" " 12 " " " " 312H " " 342H
" " 13 " " " " 342H " " 402H
" " 14 " " " " 402H " " 460H
" " 15 " " " " 460H " " 389F
" " 16 " " " " 389F " " 407F
" " 3-4 RIGHT OF WAY SKETCH.
" " 17-29 CONCRETE STRUCTURES AND GUARD RAIL
" " 30-72 CROSS SECTIONS
GRADE SHEETS (6)
" " 5.1 REVISION OF PLAN Sta 23 to 52
" " 30.1-30.4 CROSS SECTIONS
" " 9.1 REVISION OF PLAN STA 214L TO 260H
" " 46.1-46.5 CROSS SECTIONS.
" " 16.1 PLAN AND PROFILE STA 597+60 TO STA 404F
" " 29.1 CONCRETE CULVERT
" " 72.1-72.3 CROSS SECTIONS
GRADE SHEET

STATE OF WISCONSIN
WISCONSIN HIGHWAY COMMISSION

PLAN AND PROFILE OF PROPOSED

DRUMMOND - ASHLAND ROAD

BAYFIELD COUNTY

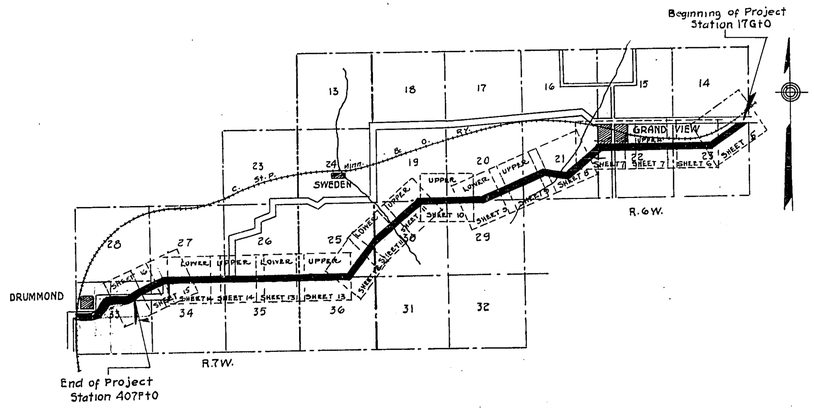
FEDERAL AID PROJECT

FROM 1/4 MILE E. OF N. 1/4 CORNER SEC. 23 T. 45 N. R. 6 W. WESTERLY & SOUTHWESTERLY TO NEAR S.W. CORNER OF N.E. 1/4 OF N.E. 1/4 SEC. 33 T. 45 N. R. 7 W.

DESCRIPTION OF EXTENSION. COMMENCING AT STA 407 (END OF OLD PROJECT) THENCE WESTERLY AND SOUTHWESTERLY 4305' TO THE WEST LINE OF SEC. 33.

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.

ON STATE TRUNK HIGHWAY No. 24 MILE No. 33.1 TO MILE No. 43.3



CONVENTIONAL SIGNS

STATE AND NATIONAL LINE
COUNTY LINE
CITY, VILLAGE, OR TOWN
TOWNSHIP LINE
SECTION LINE
FENCE LINE
GUARD RAIL
UNFENCED PROPERTY
RIGHT OF WAY LINE
TRAVELED WAY
RAILROADS
RETAINING WALL
LEVEE
BASE OR SURVEY LINE 80 +50

CULVERTS
DROP INLET
TROLLEY POLE
POWER POLE
TELEPHONE OR TELEGRAPH POLES
MAIL BOX
REFERENCE STAKES 30
MARSH
HEDGE
TREES
GROUND ELEVATION DATUM LINE 173.4
GRADE ELEVATION DATUM LINE 168.3

LAYOUT

SCALE 1 IN. = 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 8.97 MI.
Total Net Length of " EXTENSION 0.816 ".

WISCONSIN HIGHWAY COMMISSION MADISON, WIS.	U.S. DEPARTMENT OF AGRICULTURE BUREAU OF PUBLIC ROADS
Surveyor V.H.P. & C.B.H. Note Book 32 12-15-16-33 11-12-13 Div. Computer H.E. & E.B.H. M.O. Checker M.W.R. Jr. Div. Checker L.I.S.A. Correct	RECOMMENDED FOR APPROVAL: [redacted] DISTRICT ENGINEER.
CORRECT: [signature] DIVISION ENGINEER.	[redacted] CHIEF ENGINEER.
RECOMMENDED FOR APPROVAL: ASSISTANT ENGINEER.	APPROVED: [redacted] DIRECTOR.
APPROVED: DATE 5/22/1923 [signature] STATE HIGHWAY ENGINEER.	DATE: [redacted]

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	187	2	72.

DIVISION JOB NO. 3154

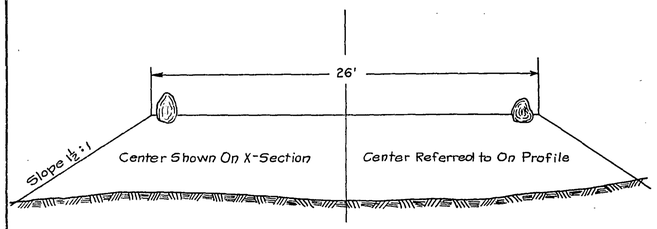
ESTIMATE OF QUANTITIES

THIS PROJECT IS TO BE EXECUTED UNDER WISCONSIN STANDARD SPECIFICATIONS AS APPROVED BY U.S. BUREAU OF PUBLIC ROADS ON MAR. 15, '23

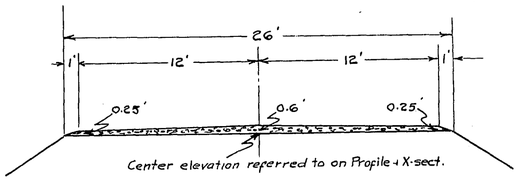
MILE NO.	STATION TO STATION	NET LENGTH OF CENTERLINE	CLEARING	GRUBBING	EXCAVATION				STRUCTURES INCLUDING 6' SPAN AND UNDER		STRUCTURES OVER 6' SPAN TO 20' INCLUSIVE		STRUCTURES OVER 20' SPAN		STRUCTURAL STEEL	HAND DITCHING	CORR. IRON PIPE 24 IN.	CORR. IRON PIPE 18 IN.	GUARD CLASS "A" RAIL	26 FT. TOP SOIL SURFACING	GUARD CLASS "D" RAIL	CORR IRON PIPE 30 IN
					EARTH	LOOSE ROCK	SOLID ROCK	BORROW	CONCRETE CLASS "A"	STEEL REINF'T	CONCRETE CLASS "A"	STEEL REINF'T	CONCRETE CLASS "A"	STEEL REINF'T								
		LIN. FEET	ACRES	ACRES	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	CU. YDS.	POUNDS	CU. YDS.	POUNDS	CU. YDS.	POUNDS	POUNDS	CU. YDS.	LIN. FEET	LIN. FEET	LIN. FEET	CU. YDS.	LIN. FT.	LIN. FT.
1	18G-72G	5400	5.98	5.98	9708	100		828	17.51	485	159.6	9740							430	2090		
2	72G-126G	5400	1.51	1.51	3719	100		188	8.16	265							80			2090		
3	126G-179G	5300	8.04	8.04	10961	100		1762	24.06	652	152.6	8710							3205	2051		
4	179G-231G	5200	7.88	7.88	8728	100		116	24.42	666									2360	2013		
5	231G-281H	5000	7.63	7.63	7021	100		95	30.41	866									520	1935		
6	281H-334H	5300	8.02	8.02	7759	200		593	9.75	263							32	30	955	2050	280	
7	334H-388H	5400	7.49	7.49	9685	600		156	40.32	1080						641			1400	2090	240	
8	388H-444H	5600	6.16	6.16	7058	400		209	26.73	764							31			2168		
9	444H-497F	4759	6.53	6.53	7814	300		107	41.71	1094									1550	1841		
	Extension																					
	597+60-607F	43056	5.20	5.20	4000	400	37	489	21.47	587										1744		30
	Grand Total	51664.6	64.44	64.44	76553	2400	37	4543	244.54	6722	312.2	18450				641	143			20072	520	30
	TOTALS on original Plan	47359	59.24	59.24	72553	2000		4054	223.07	6135	312.2	18450				641	143	30	10420	18328	520	

SHRINKAGE 15 TO 40%

Removing Timber from Right of Way = 60M FBM.

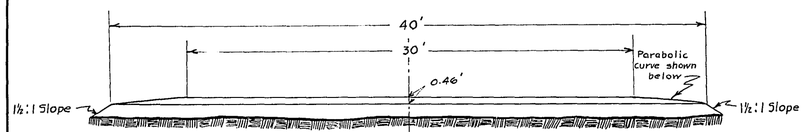


SECTION IN FILLS WHERE TYPE "D" GUARD FENCE IS REQUIRED

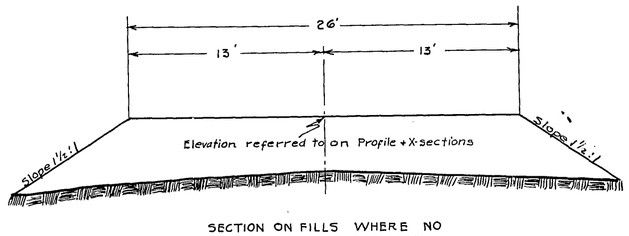


SECTION ON FILL
SHOWING FINISHED SECTION

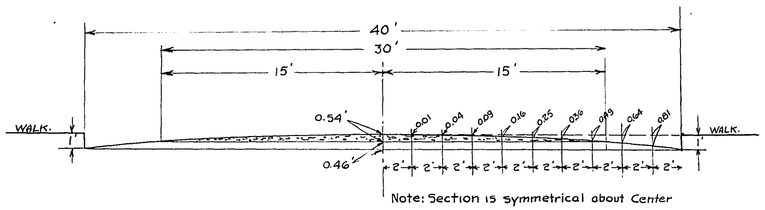
AREA = 10.45 SQ. FT.



PARABOLIC CURVE SECTION ON FILLS
THRU VILLAGE OF GRAND VIEW

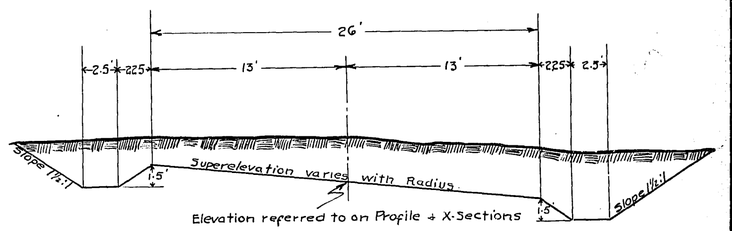


SECTION ON FILLS WHERE NO
GUARD RAIL IS REQUIRED



SPECIAL PARABOLIC CURVE SECTION
TO BE USED THRU VILLAGE OF GRAND VIEW
SECTION SHOWS FINISHED SECTION

AREA = 10.45 SQ.FT.

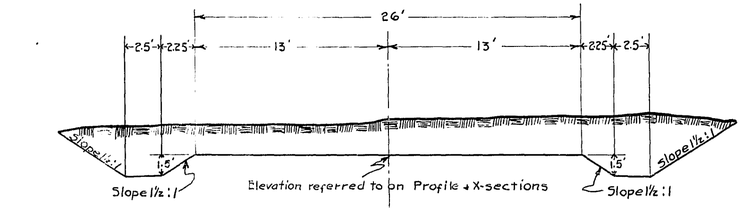


SECTION ON SUPERELEVATED CURVES
HOLDING GRADE AT CENTER LINE

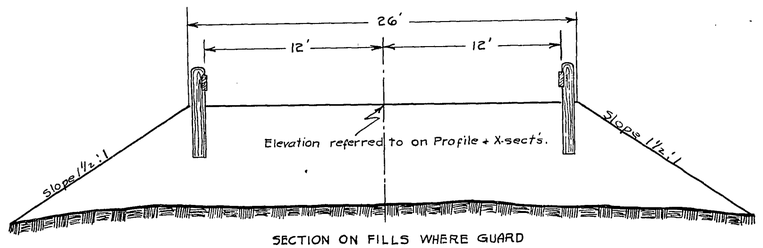
STA. 151G+32.8	TO STA. 156G+60.2	STA 320G+09.1	TO STA. 322G+79.6
" 169G+69.3	" 174G+99.3	" 329G+95.8	" 332G+97.8
" 296G+68.7	" 301G+82.	" 267F+41.7	" 271F+19.5
" 312G+62.3	" 316G+37.3	" 348F+31.4	" 387F+62.6

RADIUS	SUPERELEVATION
200' TO 500	1" TO 1'
500' " 800	¾" " 1'
800 " 1100	½" " 1'

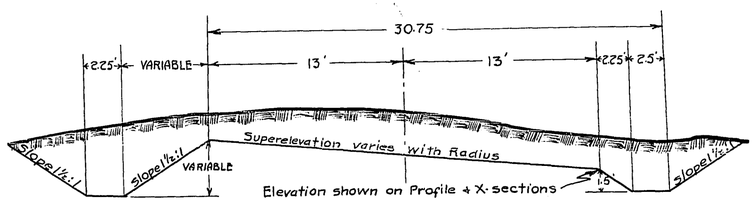
STA. 390F+67.1 TO STA 393F+58



SECTION IN CUT

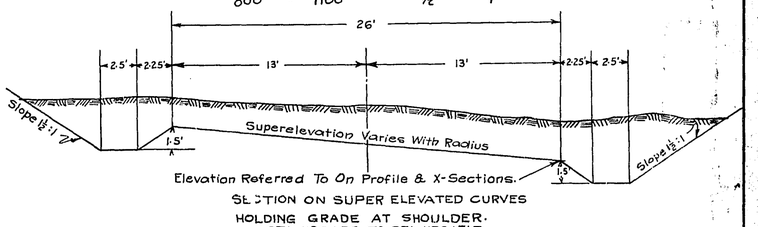


SECTION ON FILLS WHERE GUARD
RAIL IS REQUIRED



SECTION ON SUPERELEVATED CURVES HOLDING
GRADE AT SHOULDER

STA. 20G+0 To Sta. 24G+65.8
" 74G+05.4 " 76G+98.2



SECTION ON SUPER ELEVATED CURVES
HOLDING GRADE AT SHOULDER.
STA. 112G+37 TO STA. 117G+74.7

TYPICAL CROSS SECTION FOR 26' TOP SOIL SURFACING

WISCONSIN HIGHWAY COMMISSION
MADISON - WIS.

SCALE. 1 IN = 5 FT.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		5	12

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8154

PLAN	BY	DATE
SURVEYED		
PLOTTED	VHP	Dec 1925
NOTE BOOK	HJ.K.W.T. CHECKED	Feb 1926
NO. 3215		Mar 1926
	J.E.L.	Apr 1926
	W.F.M.	
	L.C.W.	

Clearing & Grubbing
Sta. 24G To Sta. 49G = 3.78 Ac. Second Growth

BEGINNING OF PROJECT

Sta. 18+10

S 88° 57' W

Sta 20G+65, 25'R. of ℄
B.M. Spike in Tel. Pole
El. 308.19

PC. 20G+10

Δ 27° 57'
D. 6° 00'
T. 287.67'
L. 465.8'
R. 955.37'

PT. 24G+658

P.I. 22G+37.7

MARTIN WIVERSTAD

Sta. 28+93, 35' L. of ℄
B.M. Spike in Balsam
El. = 315.10

36G+31.8 ℄

68° 03'

N

LUCIUS POOLE

Sta. 42G+95 Conc. culv. req'd.
1 Standard & 1 sloping end wall.

P.I. 49G+37.4

S 61° W.

B.M. Spike in Poplar, Sta 38+90, 60'R of ℄
El. = 326.67

Sta. 32G to 24X24X30 Conc. Culv. with sloping end walls req'd.

166.6'

RAILROAD RIGHT OF WAY

CHICAGO, ST. PAUL, MINNEAPOLIS & OMAHA RY.

30" Conc. P.

36" Conc. P.

To Spooner →

← To Ashland Jct.

50'
50'

R/W

Public Road

491.8'

LUCIUS POOLE

PC. 46G+24.7

Δ 9°
D 4°
T 112.71'
L 223.0'
R 1432.69'

Net Center Line Length Sta. 18G To Sta. 48G = 3000'

Sta. 18G To Sta. 23G Cut 284 C.Y. Fill 533 C.Y. Borrow 1335 C.Y. Shrg. Al. 30%.

Sta. 23G To Sta. 28G Cut 562 C.Y. Fill 375 C.Y. Haul 74 C.Y. Sta. 18G To Sta. 23G Shrg. Al. 30%.

Sta. 28G To Sta. 32G Cut 324 C.Y. Fill 510 C.Y. Borrow 68 C.Y. Shrg. Al. 35%.

Sta. 32G To Sta. 38G Cut 1210 C.Y. Fill 676 C.Y. Haul 297 C.Y. Sta. 28G To Sta. 32G Shrg. Al. 35%.

Sta. 38G To Sta. 43G Cut 426 C.Y. Fill 495 C.Y. Borrow 136 C.Y. Shrg. Al. 20%.

Sta. 43G To Sta. 47G Cut 418 C.Y. Fill 322 C.Y. Haul 32 C.Y. Sta. 38G To 43G Shrg. Al. 20%.

Sta. 32G+10. - 24'x24'x30' Conc. Culv. with Sloping end walls Req'd. Place end walls 15' Left & 15' Right from ℄. Place flow line of barrel at discharge end 1'-8" below top of Stake & place inlet end 1'-5" below top of Stake. Elev. top of Stake #32G = 312.18 Elev. discharge = 310.5 Elev. Inlet = 310.8 Conc. in Culv. = 6.78 Cu. Yds. Steel = 1851bs.

Sta. 42G+95 - 36"x24"x33' Conc. Culv. req'd. Special Standard inlet & discharge with sloping end wall. Place end walls 15' Left & 18' Right of ℄. Place flow line of barrel at discharge end 5'-8" below top of Stake & place inlet end 3'-6" below top of Stake. Elev. top Stake #43G = 327.97 Elev. discharge = 322.3 Elev. Inlet = 324.5 Conc. in Culv. = 10.73 Cu. Yds. Steel = 306 Lbs.

PROFILE

BY	DATE
VHP	Dec 1925
J.E.L.	Feb 1926
W.F.M.	Mar 1926
L.C.W.	Apr 1926

NOTE BOOK NO. 3215

-1.7%
0.0%
+2.5%
+0.2%
+5.0%
-0.5%
+2%
+0.4%

V.C. = 145'
V.C. = 150'
V.C. = 180'
V.C. = 190'
V.C. = 310'
V.C. = 150'
V.C. = 130'

Sta.	Elev.
17G	314.3
18G	313.6
19G	312.5 / 311.3
20G	309.7 / 309.6
20G+25	El. = 309.18
20G+94	El. = 308.0
21G	307.5 / 308.3
21G+70	El. = 308.0
22G	307.2 / 308.0
23G	305.9 / 308.0
23G+75	El. = 308.0
24G	306.4 / 308.2
24G+52	El. = 308.0
25G	309.1 / 309.2
25G+25	El. = 309.83
25G+80	El. = 310.45
26G	311.4 / 311.3
26G+38.1	El. = 312.68
27G	313.5 / 312.6
27G+30	El. = 312.85
28G	314.9 / 313.0
29G	316.9 / 313.3 / 313.6 / 313.2
30G	313.1 / 313.4
31G	311.5 / 313.6
32G	311.6 / 313.8
33G	312.0 / 314.0
33G+50	El. = 314.1
34G	312.7 / 314.2
34G+56.2	El. = 314.31
35G	314.9 / 316.4
35G+40	El. = 315.85
36G	316.9 / 317.2 / 317.7 / 318.4 / 320.4 / 320.5 / 321.5
36G+20	El. = 322.5
37G	326.9 / 325.5
37G+63.6	El. = 326.68
38G	327.4 / 327.9
39G	328.5 / 328.8
39G+30	El. = 328.85
40G	328.5 / 328.5
41G	328.5 / 328.0
42G	329.4 / 327.5 / 327.5 / 327.7 / 328.0 / 328.2 / 328.7 / 329.0 / 329.1 / 329.5
42G+25	El. = 327.38
43G	329.1 / 329.5
43G+10	El. = 327.70
43G+75	El. = 328.5
44G	330.3 / 331.0
45G	332.6 / 333.0
46G	334.2 / 334.6
46G+20	El. = 333.4
46G+81.2	El. = 334.62
47G	336.7 / 336.9
47G+50	El. = 334.9
48G	338.4 / 338.0 / 337.6 / 337.4 / 337.1 / 336.5
49G	336.5

PLATE 1 - PLAN-PROFILE O. W. H. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		5.1	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8184

MARTIN WIVERSTAD

LUCIUS POOLE

Δ = 29° 55'
D = 5°
T = 306.2'
L = 598.3'
R = 1146.3'
P.I. 21M+02.6

P.C. 17M+86.5

P.T. 23M+84.8

Sta. 23M - 24"x24"x31' Conc. Culv. With Sloping End Walls Required

B.M. Spike In Tel. Pole
Elev = 308.19

B.M. Spike In Balsam Tree
Ele- 315.10

S 59° 06' W.

Sta. 32M+0 - 24"x24"x30' Conc. Culv. With Sloping End Walls Req'd.

Sta. 43M+20 - 36"x24"x36' Conc. Culv. With Sloping End Walls Req'd.

S 64° 16' W.

Δ = 5° 10'
D = 2°
T = 129.25'
L = 258.3'
R = 2864.9
P.I. = 31M+0

P.C. 29M+70.8

P.T. 32M+29.1

Original ± ℄

To Spooner

To Ashland Jct.

Chicago, St. Paul, Minneapolis & Omaha Ry. ℄

36" Conc. P.

Net Center Line Length Sta. 18 M To Sta. 47 M = 2900'

Sta. 18M To Sta. 23M Cut 256 C.Y. Fill 543 C.Y. Borrow 424 C.Y. Shrg. Al. 25%.

Sta. 23M To Sta. 28M Cut 610 C.Y. Fill 378 C.Y. Haul 1 C.Y. Sta. 18M To Sta. 23M, Haul 155 C.Y. Sta. 28M To Sta. 32M Shrg. Al. 20 %.

Sta. 28M To Sta. 32M Cut 530 C.Y. Fill 548 C.Y. Shrg. Al. 25%

Sta. 23M+0 - 24"x24"x31' Conc. Culv. With Sloping End Walls Req'd. Place End Walls 15'L. & 16'R. of ℄ Elev. Dis. 306.4 Ele. Inlet = 307.0 Conc. In Culv. 6.97 C.Y. Steel = 191#

NOTE - USE DOTTED GRADE LINE

-0.6%

V.C. = 175'

+3.0%

-1.8%

V.C. = 125'

V.C. = 200'

+4.5%

Sta. 32M+0 - 24"x24"x30' Conc. Culv. With Sloping End Wall = Req'd. Place End Walls 14'L & 16'R. of ℄ El. Dis = 312.5 El. Inlet = 312.9 Conc. In Culv. 6.78 C.Y. Steel = 185#

Sta. 32M To Sta. 37M Cut 673 C.Y. Fill 587 C.Y. Borrow 56 C.Y. Shrg. Al. 25%

Sta. 37M To Sta. 43M Cut 612 C.Y. Fill 507 C.Y. Haul 5 C.Y. Sta. 32M To Sta. 37M Shrg. Al. 20%.

Sta. 43M To 47M Cut 479 C.Y. Fill 414 C.Y. Borrow 18 C.Y. Shrg. Al. 20%.

-0.8%

+1.6%

-0.2%

V.C. = 125'

See Letter of 8-5-24.

Sta. 43M+20 - 36"x24"x36' Conc. Culv. Combination With Sloping End Walls Req'd. Place End Walls 15'L. & 21'R. of ℄ El. Dis = 325.0 El. Inlet = 329.7 Conc. In Culv. 9.50 C.Y. Steel 309# 11.0 314

18M 19M 20M 21M 22M 23M 24M 25M 26M 27M 28M 29M 30M 31M 32M 33M 34M 35M 36M 37M 38M 39M 40M 41M 42M 43M 44M 45M 46M 47M 48M

Clearing & Grubbing.
Sta. 24 @M To 50M - 3.92 Ac. Second Growth

GEO. NELSON

46M 47M 48M 49M 50M 51G 52G 53G 54G

S 70° 00' W.

N

Δ = 5° 44'
D = 2°
T = 143.4'
L = 286.7'
R = 2864.9
P.I. = 49M+37.4

P.C. 47M+94

P.T. 50M+80.7

ARTHUR B. & MARION G. POOLE

Net Center Line Length Sta. 47M To Sta. 52G = 500'

Sta. 47M To Sta. 52G Cut 501 C.Y. Fill 458 C.Y. Borrow 49 C.Y. Shrg. Al. 20%.

-0.2%

V.C. = 125'

+2.1%

(See letter 8-5-24)
Sta. 51G+0. 24x18+29' Conc. Comb. Culv. Reqd. Conc. 6.97 cy Steel 184#

46M 47M 48M 49M 50M 51G 52G 53G

SKETCH SHOWING
PROPOSED CHANGE IN GRADE & ALIGNMENT
ON THE
DRUMMOND ASHLAND ROAD
STA 17M+96.5 TO STA. 51G+0
FEDERAL AID PROJECT NO. 187
BAYFIELD COUNTY
WISCONSIN HIGHWAY COMMISSION

APPROVED 8/21/23

A. R. Hirst

STATE HIGHWAY ENGINEER

U.S. OFFICE OF PUBLIC ROADS & RURAL ENGINEERING

APPROVED

[redacted]

DISTRICT ENGINEER.

PLATE 2-PLAN-PROFILE U. P. R. STANDARD

EUGENE DIETZGEN CO. CHGO. N.Y.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		6	7

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8154

PLAN	SURVEYED	DATE
	1924	Dec 1923
	1924	Feb 1924
	L.C.H.	Mar. "
	L.C.W.	Feb 1924
	L.C.W.	Apr. 1924

NOTE BOOK REFERENCE SHEETS
NO. 3215

GEORGE NELSON

S.D. CAMPBELL

ARON OLSON

ARTHUR B. & MARION G. POOLE

SWAN GUNDERSON

Clearing & Grubbing
Sta. 49G To Sta. 50G = 0.15 Ac. Second Growth
" 58G+25 " 71G+78 = 2.05 Ac. " "
Total 2.20 Ac.

Sta. 62G+60 - Special Conc. Structure req'd.
16' Span. (See detail)

Fence ⊥

Pl. 75G+53

N

S. 61° W.

S. 70° W.

S. 27° 34' W.

To Ashland Jct.

To Spooner

50'

50'

50'

50'

207'

B.M. Spike In Fence Post, Sta. 52G+30, 33' R. Of ℄.
El. 334.41

B.M. Spike In Fence Post
El. + 336.19
Sta. 58G+65, 33' R. Of ℄.

B.M. Spike In Tel. Pole
El. + 317.02
Sta. 63G+40, 45' R. Of ℄.

B.M. Spike In Fence Post
El. + 380.55
Sta. 73G+80, 40' L. Of ℄.

Δ = 9°00'
D = 4°00'
T = 112.7'
L = 225.0'
R = 1432.69'

Δ = 17°-34'
D = 6°00'
T = 147.6'
L = 292.8'
R = 955.37'

PC. 48G+24.7

PT. 50G+49.7

PC. 74G+05.4

PT. 76G+38.2

PEARL

CREEK

CHICAGO, ST. PAUL, MINNEAPOLIS & OMAHA RY.

Standard Guard Fence Req'd. Class "A".
Sta. 61G+50 To Sta. 63G+50 Left Side = 200' Lin. ft.
" 61G+50 " 63G+80 Right " = 230' "

PROFILE	SURVEYED	DATE
	1924	Dec 1923
	1924	Feb 1924
	L.C.H.	Mar. "
	L.C.W.	Feb 1924
	L.C.W.	Apr. 1924

NOTE BOOK REFERENCE SHEETS
NO. 3215

Net Center Line Length Sta. 48G To Sta. 72G = 2400' Sta. 72G To Sta. 78G = 600'

Sta. 47G To Sta. 52G Cut 493 C.Y. Fill 421 C.Y.
Shrg. Al. 20%

Sta. 52G To Sta. 56G+35 Cut 554 C.Y.
Haul 12 C.Y. Sta. 47G To 52G, Haul 40 C.Y.
Sta. 56G+25 To 62G+38 Shrg. Al. 20%.
Fill 418 C.Y.

Sta. 56G+35 To Sta. 62G+38 Cut 1464 C.Y. Fill 1818 C.Y.
Borrow 290 C.Y. Shrg. Al. 15%.

Sta. 62G+38 To Sta. 67G+60 Cut 3635 C.Y. Fill 2866 C.Y.
Haul 425 C.Y. Sta. 56G+25 To 62G+38 Shrg. Al. 12%

Sta. 67G+60 To Sta. 72G Cut 438 C.Y. Fill
381 C.Y. Borrow 19 C.Y. Shrg. Al. 20%

Sta. 72G To Sta. 77G Cut 510 C.Y. Fill 435 C.Y.
Shrg. Al. 20%

(Letter of 8-5-24.)
Sta. 67G+50 24'x 24'x 30' Conc. Culv.
with Breaker Wall Req'd.
Conc. 949 cy Steel 191 #

Sta. 62G+60 - Special Structure Required
(See detail) Concrete = 1596 cu. yds. Steel = 97140 #
16' Span. Add Piling See letter 8-5-24.

+0.4%
+2.1%
-7.0%
+7.0%
+6.5%
+1.1%

V.C. = 110'
V.C. 390'
V.C. 335'
V.C. 500'

50G+70 Ele = 336.18
51G+23.5 Ele 336.39
51G+80 Ele = 337.58
54G+50 Ele = 343.25
56G+16.5 Ele = 347.69
58G+40 Ele = 335.2
62G+65 Ele = 319.45
62G+285 Ele = 308.0
64G+40 Ele = 312.00
67G+10 Ele = 341.0
69G+50 Ele = 357.25
71G+74.1 Ele = 371.82
74G+50 Ele = 376.25

① ②

380
370
360
350
340
330
320
310
300
290

47G 48G 49G 50G 51G 52G 53G 54G 55G 56G 57G 58G 59G 60G 61G 62G 63G 64G 65G 66G 67G 68G 69G 70G 71G 72G 73G 74G 75G 76G 77G 78G 79G

PLATE 1 — PLAN-PROFILE C. P. R. R. Y. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		7	13

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8154

PLAN		
SCALE	1" = 50'	
NOTE BOOK		
CHECKED		
32.15		

BY	V.H.P.	Dec. 1922
	J.G.L.	Feb. 1924
	L.C.W.	
	L.C.W.	Apr. "

ARON OLSON

ARON OLSON

N

B.M. Spike In Fence Post
Sta. 92G+00, 50' L. Of ℄
Ele = 389.43

Barn

Shed

Sta. 99G to 101G - 2-24"X40' Corr. I.P.
Reqd. under side road.

S. 87°34' W.

County Trunk "O"

Sta. 89G to 90-36"X24"X30' Conc. Culv.
with sloping end walls reqd.

S.B. C.E.R.Y. (Leaving Road) Approximate

Clearing, Street, Monticello & Juneau Rr.

76 Monticello

RAYMOND ST.

GRAND VIEW

ALLEY

CUDWORTH ST.

CLARK ST.

B.M. Spike In Fence Post
Sta. 102 G+56, 31' R. Of ℄
Ele = 408.32

Net Center Line Length Sta. 78G To Sta. 108G = 3000'

Sta. 77G To Sta. 84G Cut 352 C.Y. Fill 283 C.Y.
Haul 12 C.Y. Sta. 72G To Sta. 77G Shrg. Al. 20%.

Sta. 84G To Sta. 88G Cut 294 C.Y. Fill
228 C.Y. Haul 10 C.Y. Sta. 88G To Sta. 94G
Waste 10 C.Y. Shrg. Al. 20%

Sta. 88G To Sta. 94G Cut 395 Cu Yds. Fill 329 C.Y.
Shrg. Al. 25%. Borrow 3 cy.

Sta. 94G To Sta. 100G Cut 300 C.Y. Fill 239 C.Y.
Haul 1 C.Y. Sta. 88G To Sta. 94G Shrg. Al. 25%.

Sta. 89G to 90-36"X24"X30' conc. culv. with sloping end walls reqd.
Place end walls 15' Left & 15' Right of ℄. Place flow line of barrel at discharge end 11'-11" below top of stake & place inlet end 11'-7" below top of stake. Elev. top of Stk. # 92G = 384.27
Elev. of discharge = 372.4 Elev. inlet = 372.7
conc. in culv. = 8.16 cu yds. Steel = 265 #

Sta. 99G+70. To 101G - 2 24" X 40' C.I.P. Culverts reqd. under side road.

Sta. 100G To Sta. 105G Cut 89 C.Y. Fill 130 C.Y.
Borrow 67 C.Y. Shrg. Al. 20%.

Sta. 105G To Sta. 109G Cut 160 C.Y. Fill
118 C.Y. Haul 18 C.Y. Sta. 109G To Sta. 113G
Shrg. Al. 20%.

V.C. 110'
V.C. 200'
V.C. 325'
V.C. 170'
V.C. 100'
V.C. 330'
V.C. 275'

+1.1%
+3.0%
-3.1%
+4.1%
+2.0%
+3.0%
+1.3%

Clearing & Grubbing
Sta. 116 G To Sta. 126 G = 1.51 Ac. Second Growth
" 126 G " 139 G = 1.97 " " "
Total 3.48 Ac.

Standard Guard Fence Reqd., Class "A"
Sta. 127G+30 To Sta 128G+30 = 100' Left Side
" 127G+30 " 129G+60 = 230' Right "
" 130G+60 " 131G+75 = 115' " "
" 130G+60 " 131G+60 = 100' Left "
" 134G+15 " 135G+30 = 135' Right "
" 134G+20 " 135G+50 = 130' Left "

Δ = 47°-40'
D = 8°
T = 316.4'
L = 595.8'
R = 716.78'

P.C. 118G+75.9

P.T. 117G+71.7

BLAKE ST.

F.R. LEITNER

F.R. LEITNER

B.M. Spike In Poplar Tree
Sta. 131G+50, 40' L. Of ℄
Ele. = 451.13

S 39°54' W.

Sta. 128G+0 - 24"X24"X36' Conc. Culv.
With sloping end walls reqd.

B.M. Spike In Poplar Tree
Sta. 123G+30, 33' R. Of ℄
Ele = 430.01

B.M. Spike In Fence Post
Sta. 112 G+37, 40' R. Of ℄
Ele = 409.06

P.I. 114G+92.3

SEC. 22 T. 45N. R. 6 W.

SEC. 21 T. 45N. R. 6 W.

Net Center Line Length Sta. 108G To Sta. 125G = 1700' Sta. 125 G To Sta. 138 G = 1300'

Sta. 109 G To Sta. 113G Cut 49 C.Y. Fill 519
C.Y. Borrow 118 C.Y. Shrg. Al. 20%.

Sta. 113G To Sta. 118G Cut 897 C.Y. Fill 460 C.Y.
Haul 345 C.Y. Sta. 119G To 113G Shrg. Al. 20%.

Sta. 118 G To Sta. 122 G Cut 181 C.Y. Fill
286 C.Y. Haul 93 C.Y. Sta. 118G To 113G.
Shrg. Al. 20%.

Sta. 122G To Sta. 126G Cut 592 C.Y. Fill
263 C.Y. Haul 255 C.Y. Sta. 125G To 118G
Haul 216 C.Y. Sta. 126G To Sta. 129G
Shrg. Al. 20%.

Sta. 126G To Sta. 129G Cut
605 C.Y. Fill 77 C.Y. Shrg. Al. 20%.

Sta. 129 G To Sta. 133G Cut 874 C.Y. Fill
479 C.Y. Haul 299 C.Y. Sta. 126G To Sta.
129G. Shrg. Al. 20%.

Sta. 133G To Sta. 137G+40 Cut 1670 C.Y. Fill
1394 C.Y. Borrow 3 C.Y. Shrg. Al. 20%.

Sta. 128G+0 - 24"X24"X36' conc. culv. with sloping end walls reqd.
Place end walls 17.5' Left & 18.5' Right of ℄. Place flow line of barrel at discharge end 5'-8" below top of stake. and place inlet end 4'-11" below top of stake. elev. top of Stake # 129G = 443.7
Elev. discharge = 438.0 Elev. inlet = 438.8
conc. in culv. = 7.50 cu. yds. Steel = 213 lbs.

(See letter 8-5-24)
Sta. 134 G+90. 24"X24"X55'-0" Conc. Culv.
Reqd. Conc. 11.41 Steel 306

V.C. 150'
V.C. 75'
V.C. 120'
V.C. 110'
V.C. 340'

-1.5%
0.0%
+4.0%
+0.2%
+4.5%
+0.5%
+2.0%
-5.0%

PLATE 2-PLAN-PROFILE U. P. R. STANDARD.

EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		8	472

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8154

PLAN	BY	DATE
SURVEYED	V.H.P.	Dec. 1923
PLOTTED	J.E.L.	Feb. 1924
NOTE SHOWN THUS ( ) CHANGED	L.E.A.	Mar. "
NO. 3215	L.E.A.	Apr. "

Clearing & Grubbing
Sta. 139G To Sta. 169G = 4.55 Acres Second Growth

FRANK LEITNER

Pi. 154G + 40.3

R.P. For P.I. Spike In Pine Stump 29.8'

36.93'

R.P. For Pi. Spike In 4" Poplar

Sta. 158+40, 40' L. Of ℄ B.M. Spike In Poplar Tree El. = 430.54

N. 66° 16' W.

Δ = 73° 50'
D = 14° 00'
T = 307.5'
L = 527.4'
R = 410.28'

P.C. 151G + 32.8

P.T. 156G + 60.2

137G 138G 139G 140G 141G 142G 143G 144G 145G 146G 147G 148G 149G 150G 151G 152G 153G 154G 155G 156G 157G 158G 159G

Sta. 143G + 0 - 24" X 24" X 42' Conc. culv. with sloping end walls req'd.

Sta. 146G + 0 - 24" X 24" X 32' Conc. culv. with sloping end walls req'd.

S 39° - 54' W.

B.M. Spike In Pine Stump El. 441.20 Sta. 150+60, 80' R. Of ℄.

B.M. Spike In Poplar Tree El. 439.36 Sta. 141+70, 60' R. Of ℄.

Standard Guard Fence Req'd Class "A"

Sta.	140G + 10	To Sta.	141G + 50	=	140'	Lin Ft. Right Side.
"	"	"	"	=	140'	" " Left "
"	142G + 10	"	143G + 90	=	180'	" " "
"	"	"	"	=	180'	" " Right "
"	145G + 65	"	147G + 75	=	210'	" " "
"	"	"	"	=	210'	" " Left "
"	150G + 75	"	153G + 15	=	240'	" " "
"	156G + 60	"	157G + 30	=	70'	" " "
"	158G + 60	"	160G + 40	=	180'	" " Right "
"	158G + 85	"	160G + 40	=	155'	" " Left "
"	163G + 35	"	165G + 80	=	245'	" " "
"	163G + 35	"	165G + 80	=	245'	" " Right "

Net Center Line Length Sta. 138G To Sta. 168G = 3000'

FRANK LEITNER

Sta. 158+40, 40' L. Of ℄. B.M. Spike In Poplar El. = 430.54

C. & B. & T. R. R.

160G 161G 162G 163G 164G 165G 166G 167G 168G 169G

N. 66° 16' W.

157G 158G 159G

Sta. 159G + 70 - Special Conc. Structure Req'd. 16' Span (See detail)

FRANK LEITNER

Sta 143G + 0 - 24" X 24" X 42' Conc. Culv. with sloping end walls req'd. Place end walls 21' Left & 21' Right of ℄. Elevation discharge 434.4. Elev. inlet = 434.7. Conc. in culv. = 9.00 cu. Yds. Steel = 242 Lbs. Omit this see letter of 8-5-24

Sta. 137G + 40 To 141G + 70 cut = 671 cu. Yds. Fill = 573 cu. Yds. Borrow 17 cu. Yds. Shrg. Al. = 20%

Sta. 141G + 70 To 146G + 40 Cut = 1027 cu. Yds. Fill = 922 cu. Yds. Shrg. Al. = 20 %

Sta. 146G + 40 To 151G + 00 Cut = 1288 cu. Yds. Fill = 968 cu. Yds. Haul 79 cu. Yds. to Sta. 141G + 70 To 146G + 40 Shrg. Al. = 20% Haul 47 cu. Yds to Sta. 151 To 156.

Sta. 151G To 156G Cut = 873 cu. Yds. Fill = 571 cu. Yds. Haul 235 cu. Yds to Sta. 156G To 159G + 60 Shrg. Al. = 20%

Sta. 156G To 159G + 60 Cut = 511 cu. Yds. Fill = 1022 cu. Yds. Borrow = 1349 cu. Yds. Shrg. Al. = 15 %

Sta. 159G + 60 To Sta. 163G + 35 Cut = 1654 cu. Yds. Fill = 1761 cu. Yds. Borrow = 327 cu. Yds. Shrg. Al. = 15%

Sta. 163+35 To Sta. 168G Cut = 1040 cu. Yds Fill = 837 cu. Yds. Haul 44 cu. Yds. To Sta. 159G + 60 To 163G + 35 Shrg. Al. = 20 %

Sta 146G + 0 - 24" X 24" X 32' Conc. Culv. with sloping end walls req'd. Place end walls 15' Left & 17' Right of ℄. Elevation discharge 437.7 Elev. inlet = 439.0 Conc. in culv. = 7.16 cu. Yds. Steel = 197 Lbs. Omit Culvert See letter of Aug 5-24

Sta. 159G + 70 Special Conc. Structure. req'd. (See detail) Conc. 152.6 cu. Yds. Steel = 8710 Lbs. 16' Span. Skew This Culvert See letter 8-5-24.

PLATE I - PLAN - PROFILE

KEUFFEL & ESSER CO. NEW YORK

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		3	32

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8(5&11)

BY	WRP	J.E.L.	L.G.W.	L.R.A.
DATE	Nov. 1922	Nov. 1923	"	"

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / FT. OF WAY CHECKED
NOTE BOOK 321-5 321-6

Standard Guard Fence Reqd. Class "A".

Sta. 170G+0	To Sta. 172G+0	= 200 Lin. ft	Right Side	
" 182G+25	" 186G+30	= 405′	"	Left "
" 184G+0	" 185G+10	= 110′	"	Right "
" 192G+30	" 194G+0	= 170′	"	Left "
" 192G+30	" 193G+75	= 145′	"	Right "
" 196G+25	" 197G+90	= 165′	"	" "
" "	" "	= 165′	"	Left "

Clearing & Grubbing.
Sta. 169G To Sta. 179G = 1.52 Ac. Second Growth
" 179G " 199G = 3.03 " " "
Total 4.55 Ac.

CHAS. EVANS

Sta. 197G+0 - 24"x24"x35' Conc. Culv. with sloping end walls reqd.

B.M. Spike In Pine Stump
El = 462.75
Sta. 189+90, 35′L. Of ℄.

Sta. 193G+0 - 24"x24"x39' Conc. Culv. with sloping end walls reqd.

FRANK LEITNER

N. 66°-16′ W.

P.C. 169G+69.3

Δ = 53°
D = 10°
T = 285.7′
L = 530′
R = 573.69

P.T. 174G+99.3

B.M. Spike In Poplar Tree
El = 453.98
Sta. 171G+50, 40′R. Of ℄.

P.I. 172G+55

B.M. Spike In Poplar Tree
El = 451.51
Sta. 179G+90, 50′L. Of ℄.

S. 60°-44′ W.

CHAS. EVANS

FRANK LEITNER

Net Center Line Length Sta. 168G To Sta. 179G = 1100′ Sta. 179G To Sta. 198G = 1900′

Sta. 168G to Sta. 174G+0 Cut = 408 Cu. Yds. Fill = 395 Cu. Yds. Borrow 66 Cu. Yds. Shrg. Al. = 20%

Sta. 174G to 179G Cut = 432 Cu. Yds. Fill = 359 Cu. Yds. Shrg. Al. = 20%

Sta. 179G to 183G+50 Cut = 522 Cu. Yds. Fill = 495 Cu. Yds. Borrow = 71 Cu. Yds. Shrg. Al. = 20%

Sta. 183G+50 to 188G Cut = 633 Cu. Yds. Fill = 871 Cu. Yds. Borrow = 24 Cu. Yds. Shrg. Al. = 20%

Sta. 188G to 192G Cut = 674 Cu. Yds. Fill = 238 Cu. Yds. Haul 388 Cu. Yds. to Sta. 183G+50 to 188G. Shrg. Al. = 20%

Sta. 197G+0 - 24"x24"x35' conc. culv. with sloping end walls reqd. Place end walls 18' Left & 17' Right of ℄. Place flow line of barrel at discharge end 1'-3" below top of stake & place inlet end 0'-11" below top of stk. Elevation top of stake # 197G = 473.78 conc. in culv. = 7.71 cu. yds. Steel = 2.12 lbs. Elev. disch. = 472.6 Inlet = 472.9 Omit This Culvert See letter 8-5-24

Sta. 193G+0 - 24"x24"x39' conc. culv. with sloping end walls reqd. Place end walls 20' Left & 19' Right of ℄. Elev. discharge 456.0 Elev. inlet = 456.8 Conc. in culv. = 8.45 cu. yds. Steel = 228 lbs.

Sta. 192G to 197G Cut = 1268 Cu. Yds. Fill = 1053 Cu. Yds. Haul 401 Cu. Yds. to 197G to 202G Shrg. Al. = 20%

P.I. 167+78 Elev. = 450.1
P.T. 169G+10 Elev. = 450.6
+0.35%
P.C. 176G+0 Elev. = 453.4
V.C. 370′
P.I. 176G+96 Elev. = 454.07
P.I. 183G+50 Elev. = 442.75
P.C. 183G+64 Elev. = 443.9
V.C. 250′
-2.5%
P.T. 186G+70 Elev. = 446.5
P.C. 186G+90 Elev. = 446.0
+4.5%
P.I. 192G+75 Elev. = 460.5
V.C. 100′
P.T. 193G+75 Elev. = 460.0
P.C. 193G+90 Elev. = 460.0
0.0%
P.I. 193G+11 Elev. = 460.0
P.C. 193G+50 Elev. = 460.0
P.I. 195G+65 Elev. = 460.0
V.C. 130′
P.T. 195G+130 Elev. = 462.6
+4.0%

Net Center Line Length Sta. 198G To Sta. 228G = 3000′

Sta. 197G to 202G Cut = 982 Cu. Yds. Fill = 840 Cu. Yds. Shrg. Al. = 25% Borrow Bet.

Sta. 202G to 206G Cut = 1486 Cu. Yds. Fill = 1199 Cu. Yds. Haul 53 ... Borrow 13 cy. "S" Shrg. Al. = 25%

Sta. 206G to 210G Cut = 664 Cu. Yds. Fill = 470 Cu. Yds. Haul 56 Cu. Yds. to Sta. 202 to 206 ... Shrg. Al. = 25%

Sta. 210G to Sta. 214G Cut = 189 Cu. Yds. Fill = 258 Cu. Yds. Shrg. Al. = 25%

Sta. 214G to Sta. 217G Cut = 399 Cu. Yds. Fill = 104 Cu. Yds. Haul 134 Cu. Yds. to Sta. 210 to 214 " 135 " " " 217 " 222 Shrg. Al. = 25%

Sta. 217G to Sta. 222G. Cut = 795 Cu. Yds. Fill = 796 Cu. Yds. Shrg. Al. = 25%

Sta. 222G to Sta. 227G Cut = 625 C.Y. Fill = 343 Cu. Yds. Haul 67 Cu. Yds. to Sta. 217 to 222. Haul 131 Cu. Yds. to Sta. 227 to 231. Shrg. Al. = 25%

P.C. 197G+40 Elev. = 473.0
+4.0%
P.I. 198G+42 Elev. = 483.05
V.C. 210′
P.T. 199G+50 Elev. = 482.0
-1.0%
P.C. 201G+0 Elev. = 480.0
V.C. 100′
P.I. 201G+50 Elev. = 480.0
P.T. 202G+0 Elev. = 480.0
0.0%
P.C. 204G+90 Elev. = 480.0
V.C. 200′
P.I. 205G+34 Elev. = 480.0
P.T. 207G+10 Elev. = 479.0
+1.0%
P.C. 207G+90 Elev. = 479.2
V.C. 265′
P.I. 208+48.25 Elev. = 479.9
P.T. 210+75 Elev. = 499.8
P.C. 212G+50 Elev. = 499.8
V.C. 150′
P.I. 213G+20 Elev. = 499.8
P.T. 214G+10 Elev. = 503.0
+4.0%
P.C. 216G+75 Elev. = 510.0
V.C. 125′
P.I. 216G+134 Elev. = 513.4
P.T. 217G+10 Elev. = 513.0
+1.0%
P.C. 220G+30 Elev. = 514.5
V.C. 90′
P.I. 221+90 Elev. = 515.0
-2.0
P.T. 219G+140 Elev. = 514.0
P.C. 221+0 Elev. = 511.1
V.C. 215′
P.I. 222G+10 Elev. = 505.0
P.T. 223+15 Elev. = 516.48
+6.5%
P.C. 225G+10 Elev. = 528.5
P.I. 226G+101 Elev. = 535.06
V.C. 225′
P.T. 227G+125 Elev. = 534.22
-0.7%

Sta. 221G+10 - 24"x24"x38' conc. culv. with sloping end walls reqd. Place end walls 18' Left & 20' Right of ℄. Place flow line of barrel at discharge end 2'-3" below top of stk. & place inlet end 1'-0" below top of stk. Elev. top stk. # 221G = 507.22. Conc. in culv. = 8.26 cu. yds. Steel = 226 lbs. Elev. disch. = 505.0 Elev. inlet = 506.2

BAKER LAND & TITLE CO.

B.M. Spike In Hemlock
Sta. 221+40 - 50′L. Of ℄
El. = 509.44

P.I. 221G+97.9

FRANK J. KASPER

Sta. 221G+10 - 24"x24"x38' Conc. Culv. with sloping end walls reqd.

Δ = 20°-00′
D = 5°
T = 202.1′
L = 400′
R = 1146.28′

P.C. 219G+95.8

P.T. 223G+95.8

S. 80°-44′ W.

BAKER LAND & TITLE CO.

FRANK J. KASPER

Clearing & Grubbing.
Sta. 199G To Sta. 229G = 4.55 Ac. Heavy Hardwood

Standard Guard Fence Reqd. Class "A".

Sta. 204G+60	To Sta. 206G+85	= 225′ Lin Ft.	Left Side	
" 204G+90	" 207G+85	= 295′	"	Right "
" 220G+30	" 222G+25	= 195′	"	" "
" 220G+40	" 222G+0	= 160′	"	Left "

CHAS. EVANS

CHAS. EVANS

PLATE 2-PLAN-PROFILE U. P. H. STANDARD

ENGINEERING DIVISION-EAU CLAIRE, WIS.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.
4	WISC.	187	9.1	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 9154

DATE	July 1923
BY	V.H.P. J.E.L. L.K.A.
PLAN	SURVEYED 31 NOTE BOOK NO. 3330
	PLOTTED 40 CURVE CHECKED 40 PLAN CHECKED

Class "A" Guard Fence Req'd.
Sta. 218L+75 To Sta. 220+50 = 175 Lin. Ft. Right Side
" 219L+0 " 220L+50 = 150 " " Left "
" 234L+80 " 236L+25 = 145 " " Right "
Total = 470 " "

B.M. Spike In Maple Tree.
Sta. 228+09, 35'L. Of ℄
Ele. = 508.43

ORIGINAL ℄

213L 214L 215L 216L 217L 218L 219L 220L 221L 222L 223L 224L 225L 226L 227L 228L 229L 230L 231L 232L 233L 234L 235L 236L 237L 238L 239L 240L 241L 242L 243L 244L 245L

S. 59°-10' W.

PC. 214L+80.1

Δ = 26°-50'
D = 6°
T = 227.9'
L = 447.2'
R = 955.37'
PI. = 216L+18

PT. 218L+37.3

Sta. 220L, 24"X 24"X 44' Conc. Culv. Req'd With Sloping End Walls.

N

S. 86°-00' W.

Sta. 230L+0 24"X 36' Corr I.P. Req'd.

B.M. Spike In Maple Tree
Sta. 236L+85, 35' R. Of ℄
Elev. = 522.54

Clearing & Grubbing.
Sta. 214G To Sta. 246G = 4.85 Ac. Clearing & Grubbing.

Sta. 214G To Sta. 217L Cut 380 C.Y. Fill 128 C.Y. Haul 134 C.Y. Sta. 210G To 214G Haul 86 C.Y. Sta. 217L To Sta. 220L Shrg. Al. 25%

Sta. 217L To 220L Cut 716 C.Y. Fill 993 C.Y. Borrow 101 C.Y. Shrg. Al. 20%.

Sta. 220 L+0 24"X 24"X 44' Conc Culv. With Sloping End Walls Req'd. Place End Walls 22R. & 22L. Of ℄ Ele. Dis. 4984 El. Inlet = 498.8 Conc. In Culv. = 9.38 C.Y. Steel 255 #.

Sta. 230 L.- 24"X 36' Corr I.P. Req'd.

Sta. 237L To Sta. 243L Cut 1124 C.Y. Fill 452 C.Y. Haul 119 C.Y. Sta. 230L To 237L Haul 463 C.Y. Sta. 243L To 247L Shrg. Al. 20%.

Sta. 243L To 247L Cut 78 C.Y. Fill 531 C.Y. Borrow 67 C.Y. Shrg. Al. 30%.

520 510 500 490

+4.0% V.C. 210' -4.0% V.C. 250' +7.0% V.C. 180' 0.0% V.C. 180' -7.0% V.C. 200' 0.0% +4.0% V.C. 95' V.C. 390' -5.2% V.C. 175' -0.5%

2151+65 El=509.6 | 2161+75 El=514.0 | 2171+75 El=510.0 | 2191+81.8 El=501.73 | 2201+50 El=501.0 | 2211+50 El=510.0 | 2221+20 El=518.4 | 2231+0 El=524.0 | 2241+50 El=524.0 | 2251+50 El=524.0 | 2261+30 El=518.4 | 2271+10 El=513.5 | 2271+93.8 El=507.0 | 2291+0 El=507.0 | 2311+80 Ele=507.0 | 2321+25 El=507.0 | 2331+75 El=509.0 | 2351+25 El=520.0 | 2371+26 El=527.04 | 2391+75 El=517.22 | 2421+25 El=501.1 | 2431+92.6 El=497.53 | 2441+0 El=497.0

Sta. 220L To 225L Cut 1038 C.Y. Fill 624 C.Y. Haul 289 C.Y. Sta. 217L To Sta. 220L Shrg. Al. 20%.

Sta. 224L To Sta. 230L Cut 933 C.Y. Fill 739 C.Y. Haul 46 C.Y. Sta. 230L To Sta. 237L Shrg. Al. 20%.

Sta. 230L To Sta. 237L Cut 1353 C.Y. Fill 1265 C.Y. Shrg. Al. 20%.

| | | |

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		10	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8194

DATE	BY
Dec. 1925	V.H.P.
Feb. 1926	V.H.P.
Mar. 1926	L.K.A.
Apr. 1926	L.K.A.

PLAN 32/6 — SURVEYED / TRACED / CHECKED / NOTE FINAL CHECKED

FRANK J. KASPER

NEWPORT LAND CO.

FRANK J. KASPER

NEWPORT LAND CO.

N

S 80°-44' W.

S 89°-06' W.

P.I. 231G+98

P.C. 230G+70.6

P.T. 233G+124.8

Δ = 10°-10'
D = 4°
T = 127.4
L = 254.2
R = 1432.69'

Sta. 234G+35 - 24"X24"X30' conc. culv. with sloping end walls req'd.

B.M. Spike In Maple Tree
Sta 237G+20 - 40'R. Of ℄
El. = 534.91

Standard Guard Fence Req'd. Class "A"
Sta. 229G+0 To Sta. 231G+40 = 240 Lin. Ft. Right Side.
" 229G+75 " 231G+0 = 125 " Left "
" 242G+0 " 244G+0 = 200 " " "

Clearing & Grubbing.
Sta. 229G To Sta. 231G = 0.30 Ac. Heavy Hardwood
" 231G " 241G = 1.52 " " "
" 241G " 259G = 2.71 " Second Growth
Total 4.53 "

Net Center Line Sta. 228G To 231G = 300' Sta. 231G To Sta 258G = 2700'

-0.7%
+2.0%
V.C. = 100'
V.C. = 325'
-7.0%
-1.0%
V.C. = 130'
V.C. = 175'
+4.0%
V.C. = 250'
V.C. = 205'
-1.0%

Sta. 234G+35 - 24X24X30 Conc. Culv. with Sloping end Walls. Place endwalls 15' Left & 15' Right of ℄. Place flow line of barrel at discharge end 5.0" below top of stake and place inlet end 4'-8" below top of Stk. Elev. top Stk. # 235G = 531.96 Elev. disch. = 527.0. Elev. inlet = 527.3 Conc. in Culv. = 6.76 Cu. Yds. Steel = 185 Lbs.

Sta. 227G To Sta. 231G Cut 593 C.Y. Fill 755 C.Y. Shrg. Al 25%

Sta. 231G To Sta. 235G+60 Cut 901 C.Y. Fill 465 C.Y. Haul 220 C.Y. Sta. 227G To Sta. 231G Shrg. Al. 25%

Sta. 235G+60 To Sta. 238G+75 Cut 308 C.Y. Fill 278 C.Y. Borrow 40 C.Y. Shrg. Al 25%

Sta. 238G+75 To Sta. 246G Cut 1377 C.Y. Fill 1061 C.Y. Haul 51 C.Y. Sta. 246G To Sta. 249G Shrg. Al. 25%.

Sta. 246G To Sta. 249G Cut 349 C.Y. Fill 350 C.Y. Borrow 55 C.Y. Shrg. Al. 30%.

Sta. 249G To Sta. 256G Cut 819 C.Y. Fill 1692 C.Y. Borrow 27 C.Y. Shrg. Al 25%.

STOP Construction here See Sheet #11 for New Line.

Raise Ele. For Ease-ment Of Grade 0.0%

2301+50 El. 528.85
2346+50 El. 529.3
2346+50 El. 530.5
2366+50 El. 534.3
2386+22.2 Ele = 531.95
2399+75 El. 527.35
2436+20 El. 503.1
2436+78.3 Ele = 499.02
2446+50 El. 498.3
2471+80 El. 494.0
2506+42.50 El. 488.5
2516+75 El. 488.8
2526+42.50 Ele. 490.0
2536+42.50 El. 511.5
2566+42.50 Ele. 516.5
2576+50 El. 511.5
2586+42.50 El. 507.25

MRS. ANNA WICKSTROM

REALTY HOLDING & INVESTMENT CO.

OLOF YADER

N

N. 89°-06' W.

B.M. Spike In Dead Hemlock
Sta. 262G+18 - 100' L. Of ℄
El. = 522.25

B.M. Spike In Hemlock
Sta. 272G+90 - 85' L. Of ℄
El. = 532.89

B.M. Spike In Hemlock Stub
Sta 280G+40 - 35' L. Of ℄
El. = 536.21

Clearing & Grubbing
Sta. 259G To Sta. 284G = 3.79 Ac. Second Growth
" 284G " 289G = 0.76 " " "
Total 4.55

Net Center Line Length Sta. 258G To Sta 284G = 2600' Sta. 284G To Sta. 288G = 400'

Sta. 256G To Sta. 260G+85 Cut 678 C.Y. Fill 527 C.Y. Haul 19 C.Y. Sta. 249G To Sta. 256G. Shrg. Al. 25%.

Sta. 260G+85 To Sta. 265G Cut 444 C.Y. Fill 364 C.Y. Shrg. Al. 25%

Sta. 265G To Sta. 268G Cut 346 C.Y. Fill 225 C.Y. Haul 48 C.Y. Sta. 268G To 274G Shrg. Al. 25% Haul 1/2 to 263.

Sta. 268G To Sta. 274G Cut 786 C.Y. Fill 618 C.Y. Borrow C.Y. Shrg. Al. 35%.

Sta. 274G To 277G Cut 506 C.Y. Fill 317 C.Y. Haul 78 C.Y. Sta. 277G To 282G+35 Shrg. Al 35%

Sta. 277G To 282G+35 Cut 247 C.Y. Fill 484 C.Y. Borrow 113 C.Y. Shrg. Al. 35%.

Sta. 282G+35 To 284G Cut 439 C.Y. Fill 78 C.Y. Haul 215 C.Y. Back. Haul 130 C.Y. Ahead Shrg. Al. 20%.

Sta. 284G To 287G Cut 82 C.Y. Fill 248 C.Y. Shrg. Al 20%

+0.2%
+4.0%
V.C. = 115'
V.C. = 205'
V.C. = 100'
+4.0%
V.C. = 200'
-4.0%
+5.0%
V.C. = 400'
-3.0%
V.C. = 125'
V.C. = 130'
0.0%
+3.0%
V.C. = 175'
-1.8%
V.C. = 200'
-6.0%

2576+50 El. 511.5
2586+42.50 El. 507.25
2596+42.50 El. 511.2
2606+42.50 El. 513.0
2616+42.50 El. 516.4
2626+42.50 El. 517.1
2636+25 El. 517.45
2636+85.2 El. 517.57
2646+40 El. 518.12
2646+75 El. 520.75
2662+71.4 El. 523.14
2666+75 El. 515.0
2670 Ele. 516.0
2681+55.5 Ele. 511.78
2708+40 Ele. 513.0
2723+90 Ele. 534.0
2731+81 Ele. 538.06
2746+85 Ele. 534.95
2756+60 El. 533.0
2766+67 Ele. 531.0
2766+80 Ele. 531.0
2796+50 Ele. 531.0
2806+42.50 Ele. 532.5
2816+25 Ele. 536.25
2826+20.8 Ele. 539.12
2836+42.50 Ele. 537.7
2866+42.50 El. 532.3
2876+42.50 Ele. 530.5
2886+42.50 Ele. 524.5

PLATE 2-PLAN-PROFILE B. P. R. STANDARD

EUGENE DIETZGEN CO., CHGO., N.Y.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187			

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8154

PLAN

V.H.P. March 1933
L.C.W. " "
E.B.H. " "
L.C.W. " "

3312

NEWPORT LAND CO.

Δ-42°36'
D-8°
T-279.46'
L-532.5'
R-716.8'

P.C.252H+27.67

S.89°-06' W.

P.I.255G+06.2

NEWPORT LAND CO.

MRS. ANNA WICKSTROM

Clearing & Grubbing.
Sta.249G to Sta.281H-4.90 Acres Full width.

B.M. Sta.262H+85-42' Lt.
2 nails in Poplar tree
Elevation = 529.37

P.T.257H+59.2

MRS. ANNA WICKSTROM

S.46°-30' W.

REALTY HOLDING & INVEST. CO.

P.I.276H+89.5

Standard Guard Fence Reqd. Class 'A'.
Sta. 269H+30 To Sta. 270H+90-160 Lin. Ft. Left Side
" 269H+30 " " 270H+90-160 " " Right "
Total 320 Lin. Ft.

REALTY HOLDING & INVST. CREEK

P.C.277H+27.4

P.T.278H+53.1

Δ-33°36'
D-8°
T-216.41'
L-420.0'
R-716.8'

Sta. 279H+50-6'X3'X33' Conc. Culv. with Sloping end walls reqd. Channel to be changed.

S.80°-06' W.

Net Center line length Sta.249G to 281H-3200'

Sta.249G to 254H Cut-533 Cu.Yds. Fill-430 Cu.Yds.
Shrg.Al.-25%

Sta.254H to Sta.259H Cut-736 Cu.Yds. Fill-545 C.Y.
Haul 5 Cu.Yds to Sta.249G to 254H.
" 77 " " " " 259G " 263G. Shg-20%

Sta. 259H to 263H Cut-407 Cu.Yds.
Fill-705 Cu.Yds. Shrg.Al.-30%

Sta. 263H to 267H Cut-690 Cu.Yds.
Fill-27 Cu.Yds. Haul 432 Cu.Yds. to Sta.
259H to 263H. Haul 226 Cu.Yds. To Sta
267H to Sta.272 Shrg.Al.-20%

Sta. 267H to 272H Cut-807 Cu.Yds. Fill-1024 C.Y.
Shrg.Al.-20%

Sta. 272H to 276H Cut-651 C.Y. Fill-193 C.Y.
Haul 196 C.Y. to Sta. 267 to 272
" 210 " " " " 276 " 281
Waste 13 C.Y. Shrg.Al.-20%

Sta. 276 H to 281H Cut-462 Cu.Yds. Fill-517 Cu.Yds.
Shrg.Al.-30%

Sta. 279H+50-6'X3'X33' Conc. culv. with Sloping end walls reqd. Place end walls 17 Left & 16' Right from ℄. Place flow line of barrel at discharge end 4'-11" below top of Stk. & 510.
Place inlet end 4'-5" below top of Stk. " 279H El.-529.68
Elev. disch.-524.8 El. inlet-525.3. Conc.-23.63 Cu.Yds. Steel-681 #

OLOF JADER

Δ-36°30'
D-6°
T-315.02'
L-608.33'
R-955.4'

P.C.281H+85.0

S.80°-06' W.

P.I.285H+0

OLOF JADER

Clearing & Grubbing
Sta.281H to Sta.311H-454 Acres Full width.

P.T.287H+93.3

OLOF JADER

Δ-15°0'
D-5°
T-150.91'
L-300.0'
R-1146.3'

P.C.296H+06.1

P.T.299H+06.1

S.43°-36' W.

P.I.297H+57.0

Standard Guard Fence Reqd- Class 'A'.
Sta 297H+25 to Sta. 297H+80- 55 Lin. Ft. Left Side
" 296H+60 " " 297H+50- 90 " " Right "
Total - 145 Lin. Ft.

ANNA CARLSON

B.M. Sta. 299H+0-28' R℄.
Nail in cedar stump
Elevation = 552.65

ANNA CARLSON

B.M. Sta. 310H+10-60' R. of ℄.
Spike in hemlock tree
Elevation = 557.88

Sta. 304H+70-24'X32' Cor. I. Pipe reqd.

Net Center line length Sta. 281H to 311H = 3000'

Sta. 281H to 288H Cut = 432 Cu.Yds. Fill = 544 Cu.Yds.
Shrg.Al. = 20%

Sta. 288H to 293H Cut = 354 Cu.Yds.
Fill = 111 Cu.Yds. Shrg.Al. = 20%
Haul. 221 Cu.Yds. to Sta. 281H to 288H.

Sta. 293H to 298H Cut = 523 C.Y. Fill = 445 C.Y.
Borrow 11 Cu.Yds. Shrg.Al. 20%

Sta. 298H to 302H Cut = 203 Cu.Yds.
Fill = 508 Cu.Yds. Borrow 222 Cu.Yds.
Shrg.Al. = 30%

Sta. 302H to 306H 60 Cut = 869 Cu.Yds.
Fill = 300 Cu.Yds. Shrg.Al. = 25%
Haul 238 Cu.Yds. to Sta. 298H to 302H.
" 256 " " " " 306H 60 to 310H.

Sta. 306H 60 to 310H
Cut = 445 C.Y. Fill = 462 C.Y.
Haul 139 C.Y. to Sta. 310 to 314
Shrg.Al. = 25%

Sta. 300H+50 18" Corr Iron Pipe
Req'd 340" long
See letter of 8-5-24.

Sta. 304H+70 24"X32" Cor. I. Pipe Reqd. Place 16' of Culv. length on Right & 16' on left of ℄. Elev. inlet-552.75 El. disch.-551.75

PLATE 2 - PLAN-PROFILE OF P. W. A. PROJECT
MOFFET & ESSER CO., NEW YORK

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		12	52

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8154

RUST OWEN LBR. CO.

B.M. Sta. 321H+10 L-65' AUGUSTA MOSSER
Spike in Poplar
Elevation = 587.76

P.I. 323H+76.5

Sta. 328H+07-24"X24"X46' Conc. Culv. with sloping end walls reqd.

S 28° 36' W.

AUGUSTA MOSSER

Public Road

Δ - 23° 49'
D - 6°
T - 201.47'
L - 396.94'
R - 955.4'

P.C. 321H+75.0

P.T. 325H+71.9

Creek

S 52° 25' W.

B.M. Sta. 332+60 R-40'
Spike in birch stub.
Elevation = 595.21

P.I. 334H+18.5

S.W. & TESSA R. ENOCKSON

Sta. 336H+85-24"X24"X36' Conc. Culv. with Sloping end walls reqd.

P.C. 331H+43.4

Δ - 42° 0'
D - 8°
T - 275.14'
L - 585.0'
R - 716.8'

P.T. 336H+68.4

S.W. & TESSA R. ENOCKSON

N 85° 55' W.

P.C. 341H+01.5

Δ - 8° 30'
D - 4°
T - 106.46'
L - 212.5'
R - 1432.7'

P.T. 343H+14.0

P.I. 342H+08

N 85° 55' W.

RUST OWEN LBR. CO.

Standard Guard Fence Reqd. - Class "D".
Sta. 314H+60 to Sta. 316H - 140 Lin. Ft. Left Side
" 314H+60 " " 316H - 140 " " Right "
Total - 280 Lin. Ft.

Sta. 312H+0 - 18"X30' Cor. I. Pipe reqd.

Clearing & Grubbing
Sta. 311H to Sta 334H - 348 Acres Full width
" 334H " " 342 H - 1.21 " " "
Total = 4.69 Acres

Standard Guard Fence Reqd. Class "A"

Sta. 321H+60	To	Sta. 322H+40 - 80	Lin. Ft.	Left Side.
" 321H+60	"	" 322H+40 - 80	" "	Right "
" 327H+20	"	" 330H+20 - 300	" "	Left "
" 326H+60	"	" 330H+10 - 350	" "	Right "
" 335H+50	"	" 337H+80 230	" "	Left "
" 335H+50	"	" 339H+00 350	" "	Right "
Total 1390 Lin. Ft.					

Net Center line length Sta. 311H to 334H = 2300' Sta. 334H to 341H = 700'

Sta. 310H to 314H Cut = 144 cu. Yds
Borrow 261 cu. Yds. Fill = 441 cu. Yds.
Shrg. Al. = 20%

Sta. 314H to 319H Cut = 1069 cu. Yds. Fill = 951 cu. Yds.
Borrow 25 cu. Yds. Shrg. Al. = 15%

Sta. 319H to 324H Cut = 745 cu. Yds. Fill = 590 cu. Yds.
Haul 66 cu. Yds. to Sta. 324H to 329H
Shrg. Al. = 15%

Sta. 324H to 329H Cut = 2179 cu. Yds. Fill = 2034 C.Y.
Borrow 74 cu. Yds. Shrg. Al. = 20%

Sta. 329H to 334H Cut = 996 C.Y. Fill = 728 C.Y.
Haul 122 cu. Yds. to Sta. 324H to 329H
Shrg. Al. = 20%

Sta. 312H+0 - 18"X30' cor. I. pipe culv. reqd.
Place 15 of culv length on Right & 15' on left of ℄.
Elev. disch = 551.2 Elev. inlet = 551.5

Sta. 328H+07-24"X24"X46' conc culv. with Sloping end walls reqd.
Place end walls 18' Left & 26 Right from ℄. Place flow line of barrel at discharge end 1'-7" below top of Stake and place inlet end 1'-2" below top of Stk. "328H Elev. 564.28 Elev. disch = 562.7 Elev. inlet 563.1 Conc in Culv. 9.75 cu yds. Steel = 263 lbs
Note Omit this Culv. & Use 36" corr Iron Pipe 54'-0" long. (See letter 8-5-24).

Sta. 336H+85-24"X24"X46' Conc. Culv. with Sloping end walls reqd. Place end walls 23' Left and 23' Right from ℄. Place flow line of barrel at disch. end 5'-11" below top of Stake & place inlet end 1'-7" below top of Stake "338H. Elev. 602.40 Elev. disch = 596.5 Elev. inlet = 604.0 Conc. in Culv. - 9.75 Cu. Yds. Steel - 263 lbs.

Sta. 334H + 342H Cut = 2764 cu. Yds. Fill = 2378 Cu. Yds. Shrg. Al. = 20%

PLAN
REVISED
PLOTTED
NOTE: ALL ELEVATIONS ARE BASED ON U.S.C. & G.S. DATUM
3113

PROFILE
3113

BY	DATE
V.H.P.	Apr. 1923
L.C.W.	" "
E.B.H.	" "
E.C.M.	" "
K.E.M.	" "

FLATE 1 - PLAN - PROFILE
KLEUFFEL & ESSEN CO. NEW YORK

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		13	57

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8154

BY	DATE
V.H.P.	April 1923
L.C.W.	"
E.B.H.	"
L.C.W.	"
W.F.M.	April 1925

PLAN 3313

Δ - 8°-30'
D - 4°
T - 106.46'
L - 212.5'
R - 1432.7'

P.C. 341H+01.5

P.T. 343H+14.0

Standard Guard Fence Reqd. Class A
Sta. 346H+20 To Sta. 346H+70 - 50 Lin. Ft. Left Side.
" 345H+90 " " 347H+50-160 " " Right "
" 363H+00 " " 363H+40 - 40 " " Left "
Total - 250 Lin. Ft.

S.W. & TESSA R. ENOCKSON

Creek

BERNARD MENNENGA

Sta. 356H+40-24"X24'X36' Conc. Culv. with sloping end walls reqd

S 85°-55' W.

P.I. 342H+08

Sta. 347H+47-24"X24'X84" Skewed Conc. Culv. reqd. (See detail)

B.M. Sta. 359H+20 R-40' ℄ Spike in Hemlock tree Elevation = 655.32

Sta. 366H+25-24"X24"X31' Conc. Culv. with sloping end walls reqd.

B.M. 371H+10-40' R ℄ Spike in Hemlock Tree Elevation = 631.99

RUST OWEN LBR. CO.

Clearing & Grubbing
Sta. 342H to 363H - 3.18 Acres Full width
" 367H+50 to 372H-0.68 " " "
Total - 3.86 Acres.

RUST OWEN LBR. CO.

Standard Guard Fence Reqd. Class "D"
Sta. 371H+60 to Sta. 372H+90-130 Lin. Ft. Left Side.
" 371H+80 " " 372H+90-110 " " Right "
Total - 240 Lin. Ft.

Net Center line length Sta. 341H to 371H = 3000'

Sta. 342H to 345H+45
Cut = 536 Cu. Yds. Fill = 116 Cu. Yds.
Haul 90 Cu. Yds. to Sta. 334H to 342H
" 307 " " " 345+45 to 349
Shrg. Al. 20%

Sta. 342+50 Conc. Comb Culv. Reqd with Breaker Wall. Conc. 3.49 cy. Steel 191 cy. See letter of 8-5-24.

(See letter of 8-5-24)
24"x24"x68'-6" Conc. Culv. Reqd
Sta. 347H+47-24"X24"X84" Skewed Conc. Culv. reqd.
Conc. 157 cy Steel 43 (See detail)

Sta. 345H+45 to 349H Cut = 289 C.Y.
Fill = 915 C.Y. Borrow 50 Cu. Yds.
Shrg Al. - 15%

Sta. 349H to 353H Cut = 824 Cu. Yds.
Fill = 264 Cu. Yds. Shrg. Al. = 15%
Haul 406 Cu. Yds. to Sta. 345+45 to 349
" 114 " " " " 353H to 357H

Sta. 353H to 357H Cut - 432 Cu. Yds.
Fill = 590 Cu. Yds. Shrg. Al. = 20%

Sta. 356H+40-24"X24"X36" Conc. Culv with sloping end walls reqd.
Place end walls 17 Left & 19 Right from ℄. Place flow line of barrel at discharge end 4'-3" below top of Stk. & place inlet end 3'-3" below top of Stk. #356H. Elev. 654.23 Elev. disch. = 650.0 Elev. inlet = 651.0
Conc. in culv. = 7.90 cu. Yds. Steel = 213 lbs.

Sta. 357H to 361H Cut = 523 Cu. Yds.
Fill = 180 Cu. Yds. Haul 162 Cu. Yds. to Sta. 353H to 357H. Shrg. Al. = 25%
Haul 136 C.Y. to Sta. 361H to 367H

Sta. 361H to 367H. Cut = 387 Cu. Yds. Fill = 586 Cu. Yds.
Borrow 20 Cu. Yds. Shrg. Al. = 20%

Sta. 367H to 372H. Cut = 538 Cu. Yds. Fill = 375 C.Y.
Haul 88 Cu. Yds. to Sta. 361H to 367H.
Shrg. Al. 20%

Raise elev. for easement

Sta. 366H+25-24"X24"X31' Conc. culv. with sloping end walls reqd. Place end walls 15' Right & 16' Left from ℄. Place flow line of barrel at discharge end 3'-3" below top of Stake & place inlet end 2'-10" below top of Stake #366H Elevation = 634.81
Elev. disch. = 631.6 Elev. inlet = 632.0 Conc. in Culv. = 6.97 Cu. Yds.
Steel = 191 lbs.

RUST OWEN LBR. CO.

RUST OWEN LBR. CO.

Hand Ditch reqd.

Sta. 388H+50-24"X24"X30" Conc. Culv. with sloping end walls reqd.

S 85°-55' W.

S 82°-23' W.

S 83°-30' W.

P.I. 374H+82

B.M. Sta. 379H+90-40' R. ℄ Spike in Birch tree Elev. = 625.74

Hand Ditch reqd.

P.I. 389H+205

Clearing & Grubbing
Sta. 372H to Sta. 388H - 2.42 Acres - Full width
" 388H " " 402H - 2.12 " " "
Total = 4.54 Acres.

Standard Guard Fence Reqd. Class "A"
Sta. 375H+15 To Sta. 376H+50 - 135 Lin. Ft. Left Side
" 375H+25 " " 376H+10 - 85 " " Right "
" 380H+70 " " 382H+20 - 150 " " Left "
" 380H+20 " " 382H+20 - 200 " " Right "
Total - 570 Lin. Ft.

RUST OWEN LBR. CO.

RUST OWEN LBR. CO.

Net Center line length Sta. 371H to 388H = 1700' Sta. 388H to 401H = 1300'

Sta. 372+40 18" Corr Iron Pipe Reqd. 43'-0" long (See letter of 8-5-24)

Sta. 372H to Sta. 375H+40
Cut = 894 Cu. Yds. Fill = 741 Cu. Yds.
Haul 5 Cu. Yds. to 375+40 to 378
Shrg. Al. = 20%

Sta. 375H+40 to 378H
Cut = 1003 C.Y. Fill = 867 C.Y.
Haul 9 C.Y. to 378H to 383H.
Shrg. Al. - 15%

Sta. 378H to 383H Cut = 1532 Cu. Yds. Fill = 1411 Cu. Yds.
Borrow 86 Cu. Yds. Shrg. Al. = 15%

Sta. 383H to 388H Cut = 563 Cu. Yds. Fill = 475 C.Y.
Shrg. Al. 25%

Sta. 388H to 392H Cut = 262 C.Y. Fill = 175 C.Y.
Haul 31 Cu. Yds. to Sta. 383H to 388H
" 21 " " " " 392H " 396H.
Shrg. Al. = 20%

Sta. 381 to 388 Hand Ditching Reqd
± 641 Cu Yds Excavation.

24"x24"x30" Culv.
Sta. 388H+50 Conc. Culv. with Standard end walls reqd.
End walls to be 1'-6" Above barrel opening. Place end walls 15' Left & 15' Right from ℄. Place flow line of barrel at discharge end 3'-0" below top of Stake & place inlet end 3'-0" below top of Stk. #388H Elev. = 599.55 Elev. disch. 596.5 Elev. inlet 596.5 conc. in Culv. = 9.75 C.Y. Steel - 196 lbs.

Omit This Culvert
24" Corr Iron Pipe reqd 36'-0" long.
See letter of 8-5-24.

Sta. 392H to 396H Cut - 5[illegible] Cu. Yds.
Fill 557 Cu. Yds. Shrg. Al. = 15%

Sta. 396H to 399H
Cut = 5[illegible] Cu. Yds. Fill = 188 Cu. Yds.
Haul 118 Cu. Yds. to 392 to 396
" 164 " " " 399 " 404
Waste 39 Cu. Yds. Shrg. Al. = 20%

PLATE 2 - PLAN-PROFILE OF P W A R T STANDARDS
KEUFFEL & ESSER CO., NEW YORK

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	Wisc.	187		12	58

WISCONSIN PROJECT No. 187
DIVISION JOB NO. B144

PLAN	BY	DATE
SURVEYED	V.H.P.	April 1933
PLOTTED	L.C.W.	" "
GRADES CHECKED	R.E.M.	" "
ALIGNMENT CHECKED	L.C.W.	" "
QUANTITIES CHECKED		
STRUCTURE (OTHER THAN CMP'S)		

NOTE BOOK No. 3311

RUST OWEN LBR. CO.

Sta. 403H+60 - 4'X2'X31' Conc. Culv. with sloping end walls req'd.

Sta. 415H+10 - 24"X24"X32' Conc. Culv. With sloping end walls req'd.

Clearing & Grubbing
Sta. 402H To Sta. 416H. - 2.12 Acres - Full width
" 416H " " 432H - 1.10 " 30' Wide.
Total = 322 Acres.

400H 401H 402H 403H 404H 405H 406H 407H 408H 409H 410H 411H 412H 413H 414H 415H 416H 417H 418H 419H 420H 421H 422H 423H 424H 425H 426H 427H 428H 429H 430H 431H 432H

583°-30' W.

P.I. 416H+72. 83°-09'

386°-39' W.

Tel. Poles Stakes

Present S.H. # 29

Note: All telephone poles within 30' of new ℄ to be moved to edge of new Right of way.

CREEK

Net center line length Sta. 401 to Sta 431 = 3000'

Sta. 399H to 404H Cut=382 Cu.Yds. Fill=455 Cu.Yds. Shrg.Al.=20%

Sta. 404H to 409H Cut 432 Cu.Yds. Fill=341 Cu.Yds. Haul 6 Cu.Yds. Shrg.Al.-25% to Sta 409-414.

Sta. 403H+60-4'X2'X31 Conc. Culv. with sloping end walls req'd. Place end walls 15' Left & 16' Right from ℄. Place flow line of barrel at discharge end 3'-1" below top of Stk. and place inlet end 2'-10" below top of Stk. #404H. Elev.=576.10 Elev. disch.=573.0 Elev. inlet=573.25. Conc. in Culv.=982 CY. Steel=371 lbs.

Sta. 409H to 414H Cut=746 Cu.Yds. Fill=682 C.Y. Shrg.Al.=15% Borrow 32 C.Y.

Sta. 414H to 417H+45 Cut=335 C.Y. Fill=400 Cu.Yds. Borrow 90 C.Y. Shrg.Al.=15%

417H+45 to Sta. 421H Cut=585 Cu.Yds. Fill=455 Cu.Yds. Haul 35 Cu.Yds. to Sta. 414H to 417H+45 Shrg.Al.=20%

Sta. 421H to 426H Cut=479 CU.Yds. Fill=492 Cu.Yds. Borrow 87 Cu.Yds. Shrg.Al.=15%

Sta. 426H to 435H Cut=1404 Cu.Yds. Fill=695 Cu.Yds. Haul 83 Cu.Yds. to Sta. 435H to 444H. Shrg.Al.=90%

Sta. 415H+10-24"X24"X32' conc. Culv with sloping end walls req'd. Place end walls 16' Left & 16' Right from ℄. Place flow line of barrel at ~~disch~~ end 1'-11" below top of Stake & place ~~Inlet~~ end 2'-5" below top of Stake # 416H Elev 600.43. Elev. disch. ~~588.5~~ Elev. inlet 5980. Conc. in culv.=7.16 C.Y. Steel=197 lbs.

-5.0% -0.0% +5.5% +2.5% -1.7%

V.C. 110' V.C. 300' V.C. 225' V.C. 170'

410H+0 El. 5843 412H+0 El. 5933 413H+03 El. 6010 414H+25 El. 6010 415H+40 El. 6010 415H+88 El. 6010 416H+20 El. 6018 420H+0 El. 611.3 420H+83 El. 613.37 421H+80 El. 612.32 427H+0 El. 606.9

400H 401H 402H 403H 404H 405H 406H 407H 408H 409H 410H 411H 412H 413H 414H 415H 416H 417H 418H 419H 420H 421H 422H 423H 424H 425H 426H 427H 428H 429H 430H 431H 432H

RUST OWEN LBR. CO.

Sta. 436H+0-24"X31' Cor. I. Pipe req'd.

Note: All telephone poles within 30' of new ℄ to be moved to edge of new R/W.

586°-39' W.

Sta. 447H+0-24"X24"X31' Conc. Culv. with Std. end wall on intake & sloping end wall on disch. end.

Sta. 453H+75-24"X24"X36' Conc. culv. with sloping end walls req'd.

Δ-44°-37' D-8° T-294.0' L-557.71' R-716.8'

P.C. 449H+72

P.I. 452H+66.

542°-02' W.

EQUATION
460+39'H' LINE = 375+80'F' LINE

Clearing & Grubbing
Sta. 432H to Sta. 444H - 0.82 Acres. 30' Wide
" 444H to " 452H - 0.55 " 30' "
" 452H " " 460H+39 - 1.27 " Full width
Total - 2.64 Acres.

Standard Guard Fence Req'd - Class 'A'
Sta. 453H+30 To Sta. 454H+50 - 120 Lin. Ft. Left Side
" 453H+25 " " 454H+0.0 - 75 " " Right "
Total - 195 Lin. Ft.

PROFILE	BY	DATE
SURVEYED	V.H.P.	April 1933
PLOTTED	L.C.W.	" "
GRADES CHECKED	R.E.M.	" "
ALIGNMENT CHECKED	L.C.W.	" "
QUANTITIES CHECKED	W.E.M.	
STRUCTURE (OTHER THAN CMP'S)		

NOTE BOOK No. 3315

Net Center line length Sta. 431 to 444H = 1300' Sta. 444H to 376F = 1659'

Sta 436H+0-24"X31' Cor. I. Pipe req'd. Place 15' of culv. length on left & 16' on Right of ℄. Elev. disch. 596.0 Elev. inlet 596.5

Sta. 435H to 444H. Cut=1814 Cu.Yds. Fill=994 Cu.Yds. Shrg.Al.=95%

Sta. 444H to 449H Cut=621 Cu.Yds. Fill=433 Cu.Yds. Haul 41 Cu.Yds. to Sta. 435H to 444H " 39 " " " 449H " 452H Shrg.Al.=25%

Sta. 449H to 452H Cut=380 Cu.Yds. Fill=243 C.Y. Haul 127 C.Y. to Sta. 452 to 456+35 Shrg.Al.=20%

Sta. 452H to 456H+35 Cut=589 Cu.Yds Fill=592 Cu.Yds. Borrow 24 Cu.Yds. Shrg.Al.=25%

Sta 456H+35 to Sta. 376F. Cut=341 Cu.Yds. Fill=384 Cu.Yds. Shrg.Al.=20%

Sta. 453H+75-24"X24"X36' Conc. Culv. with sloping end walls req'd. Place Endwalls 17' Left & 19' Right from ℄. Place flow line of barrel at discharge end 4'-3" below top of Stake & place inlet end 4'-2" below top of Stake # 454H Elev. 600.67 Elev. disch.=596.4 Elev. inlet=596.5 Conc. in culv. 7.90 Cu.Yds. Steel=213 lbs.

Sta. 447H+0-24"X24"X31' Conc. Culv. with Standard end wall on intake end and Sloping endwall on disch. end. Place end walls 15' on Left of ℄ & 16' on Right. Place flow line of barrel at disch. end 5'-11" below top of Stake & place inlet end 5'-2" below top of Stake # 447H Elev.=610.39 Elev. disch.=604.5 Elev. inlet=605.25 conc. in Culv. 8.64 Cu.Yds. Steel 199 lbs.

-1.7% -0.0% +5% -2.5% -2.6% +0.6% +2.0%

V.C. 100' V.C. 155' V.C. 200' V.C. 180' V.C. 120' V.C. 100' V.C. 80' V.C. 60'

431H+0 El. 599.8 431H+47 El. 599.0 432H+0 El. 599.0 438H+85 El. 599.0 439H+60 El. 599.0 440H+40 El. 603.0 442H+0 El. 611.0 443H+08 El. 616.4 444H+0 El. 614.1 446H+79 El. 612.67 446H+80 El. 607.1 446H+20 El. 608.6 447H+50 El. 609.0 448H+20 El. 611.1 449H+40 El. 612.6 452H+90 El. 602.16 453H+34 El. 601.0 453H+60 El. 601.0 458H+60 El. 601.0 459H+0 El. 601.0 459H+40 El. 601.0 376F+55 El. 605.28 376F+84 El. 605.86 377F+16 El. 606.39

430H 431H 432H 433H 434H 435H 436H 437H 438H 439H 440H 441H 442H 443H 444H 445H 446H 447H 448H 449H 450H 451H 452H 453H 454H 455H 456H 457H 458H 459H 460H 376F 377F

PLATE 2-PLAN-PROFILE B. P. R. STANDARD.

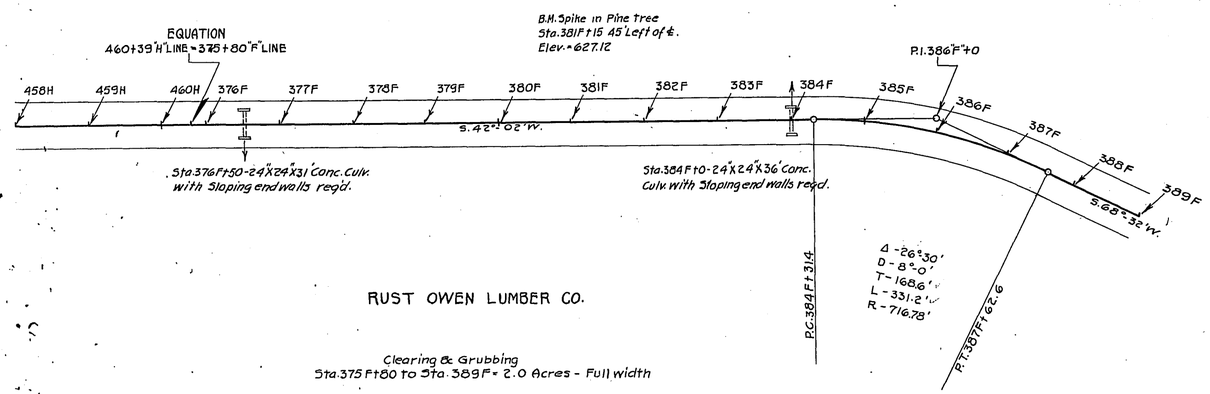
EUGENE DIETZGEN CO. CHICAGO

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		15	82

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8154

PLAN	SURVEYED	BY	DATE
	PLOTTED	Y.H.P.	Apr. 1923
	TRACED	K.W.	" "
	NOTE BOOK ALIGNMENT CHECKED	E.B.H.	" "
	NO. 3113 PT. OF WAY CHECKED	L.C.W.	" "
		W.F.M.	" "

RUST OWEN LBR. CO.



RUST OWEN LUMBER CO.

Clearing & Grubbing
Sta. 375 Ft 80 to Sta. 389F = 2.0 Acres - Full width

Net Center line length Sta. 376 F to 389F = 1300'

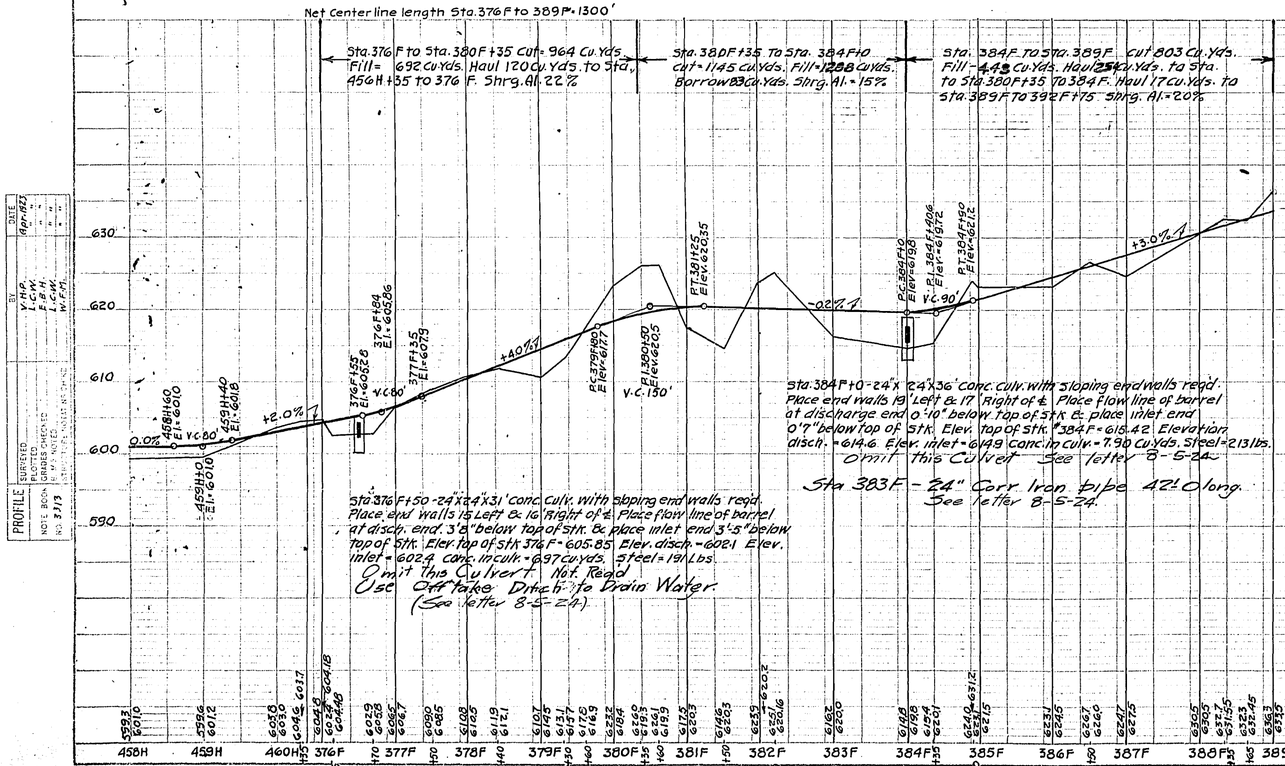
Sta. 376 F to Sta. 380F+35 Cut = 964 Cu. Yds.
Fill = 692 Cu. Yds. Haul 120 Cu. Yds. to Sta. 456H+55 to 376 F. Shrg. Al. 22%

Sta. 380F+35 To Sta. 384F+0
Cut = 1145 Cu. Yds. Fill = 1288 Cu. Yds.
Borrow 83 Cu. Yds. Shrg. Al. = 15%

Sta. 384F. To Sta. 389F. Cut 803 Cu. Yds.
Fill = 448 Cu. Yds. Haul 254 Cu. Yds. to Sta. to Sta. 380F+35 To 384F. Haul 17 Cu. Yds. to Sta. 389F To 392F+75 Shrg. Al. = 20%

Standard Guard Rail Required

Sta 376F+25 to 379F+60 on Left side	135'	
Sta 380F+75 to 381F+75 on Right "	100'	
Sta 382F+60 to 384+75 on Left "	215	
Total	440	



Sta. 376 F+50-24"x24"x31' conc. Culv. With sloping end walls reqd. Place end walls 15 Left & 16 Right of ℄. Place flow line of barrel at disch. end 3'8" below top of Stk. & place inlet end 3'-5" below top of Stk. Elev. top of stk 376 F = 605.85 Elev. disch. = 602.1 Elev. inlet = 602.9 conc. in culv. = 8.97 cu. yds. Steel = 191 Lbs.
Omit this Culvert Not Read
Use Offtake Ditch to Drain Water.
(See letter 8-5-24.)

Sta. 384F+0-24"x 24"x36' conc. culv. with sloping end walls reqd. Place end walls 19' Left & 17' Right of ℄ Place Flow line of barrel at discharge end 0'-10" below top of Stk & place inlet end 0'9" below top of Stk. Elev. top of Stk. 384 F = 618.42. Elevation disch. = 614.6 Elev. inlet = 614.9 Conc. in culv. = 7.90 Cu. Yds. Steel = 213 lbs.
Omit this Culvert See letter 8-5-24.

Sta 383F - 24" Corr. Iron Pipe 42' long.
See letter 8-5-24.

PLATE I - PLAN-PROFILE OF R. O. R. R. STANDARD
KEUFFEL & ESSER CO., NEW YORK

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		16	52

WISCONSIN PROJECT No. 187
DIVISION JOB NO. 8154

Clearing & Grubbing.
Sta. 389 F To Sta. 407 F = 2.71 Ac. Virgin Timber.

RUST OWEN LUMBER CO.

Standard Guard Fence Req'd. Class "A"
Sta. 389 F+80 To Sta. 393 F+60 = 380' Lin. Ft. Right Side
" 392 F+0 " 393 F+60 = 160' " " Left "
" 394 F+50 " 397 F+25 = 275' " " Right "

115

P.I. 392 F+14.1

387F 388F 389F 390F 391F 392F 393F 394F 395F 396F 397F 398F 399F 400F 401F 402F 403F 404F 405F 406F 407F

S. 70°10' W.

Δ = 26°-30'
D = 8°
T = 168.6'
L = 331.2'
R = 716.78'

P.T. 387 F+62.6

P.C. 390 F+67.1

Δ = 17°-30'
D = 6°
T = 147.0'
L = 291.7'
R = 955.37

P.T. 393 F+58.8

Sta. 392 F+75 - 24X24X89 Conc. Culv. with sloping end walls req'd.

Present Road

RUST OWEN LUMBER CO.

B.M. Spike In Tel. Pole No 2230
Sta. 402 F+25, 35' R. of ℄.
El = 672.70

S. 87°-40' W.

176°-05'

P.I. 407+83.7

S. 83°-45' W.

STA. 407 F END OF PROJECT

Net Center Line Length Sta. 388 F To Sta. 407 F = 1900'

Sta. 389 F To 392 F+75 Cut 1152 C.Y. Fill 934 C.Y. Haul 95 C.Y. Sta. 392 F+75 To Sta. 398 F Shrg. Al. 15%.

Sta. 392 F+75 To Sta. 398 F Cut 1092 C.Y. Fill 1030 C.Y. Borrow 5 C.Y. Shrg. Al. 20%.

Sta. 392 F+75 - 24X24X89' conc. culv. with sloping end walls req'd. place end walls 23.5 Left & 25.5 Right of ℄. Place flow line of barrel at disch. end 5.3½" below top of Sth. & place inlet end 3.0" below top of Sth. Elev. top Sth. "393 F = 630.30 Elev. disch. = 625.0 Elev. inlet = 627.3 Conc. in culv. = 10.3 cu.y. steel = 2781 Lbs.

Omit this Culvert... Sta 392 F+50 36"x36"x48'0 Conc Culv. Regd Conc. 14.5 cy. Steel. 405#

Sta. 398 F To Sta. 402 F Cut 601 C.Y. Fill 438 C.Y. Haul 144 C.Y. Sta. 392 F+75 To 398 F Haul 131 C.Y. Sta. 402 F To 407 F Shrg. Al. 20%.

Sta. 402 F To Sta. 407 F Cut 526 C.Y. Fill 468 C.Y. Shrg. Al. 20%.

+3.0% V.C. 90' +6.0% V.C. 135' -1.3% V.C. 340' -0.0% V.C. 60'

END OF PROJECT

STA. 407 F

PLATE 2-PLAN-PROFILE U. P. R. STANDARD

EUGENE DIETZGEN CO. CHGO. N.Y.

PLAN
SURVEYED — DRAWN — TRACED — CHECKED — NOTE BOOK — SCALE 1" = 100' — SHEET No. 32/A

BY	DATE
V.L.P.	Dec. 1923
V.L.P.	Dec. 1923
C.K.A.	Nov. "
J.E.L.	Feb. 1924
L.K.A.	Mar. "

PROFILE
SURVEYED — DRAWN — TRACED — CHECKED — NOTE BOOK — SCALE 1" = 10' Hor. 1" = 5' Ver. — SHEET No. 32/A

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187 Ext.		16.1	72

WISCONSIN PROJECT NO. 12
DIVISION JOB NO. 9621

PLAN & PROFILE OF PROPOSED EXTENSION OF THE DRUMMOND-ASHLAND ROAD

FEDERAL AID PROJECT NO. 187
STA. 597+60 TO 405F+00

BAYFIELD COUNTY

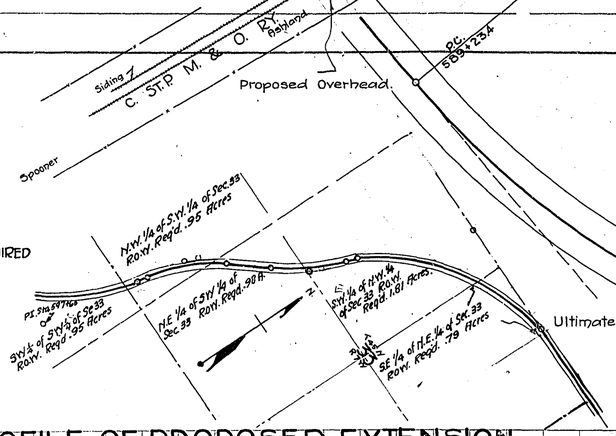
WISCONSIN HIGHWAY COMMISSION

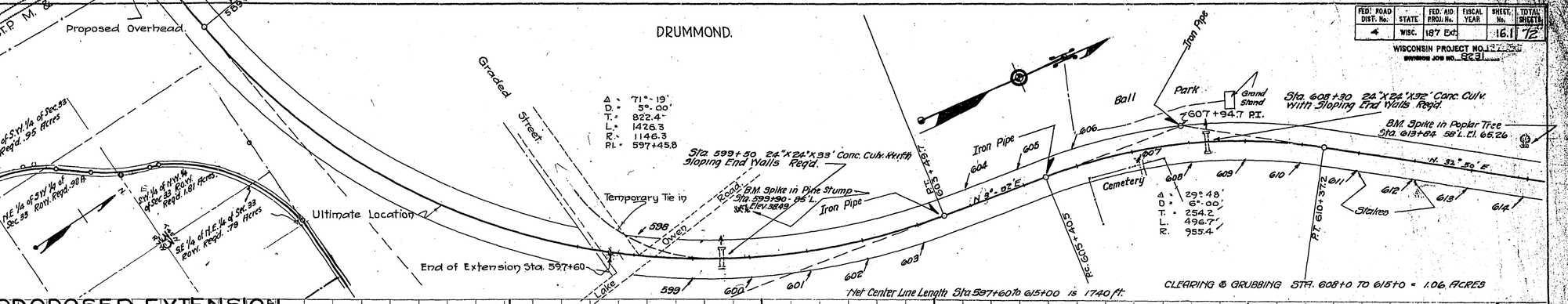
APPROVED 7-25-24
Acting STATE HIGHWAY ENGINEER J. J. Donaghey

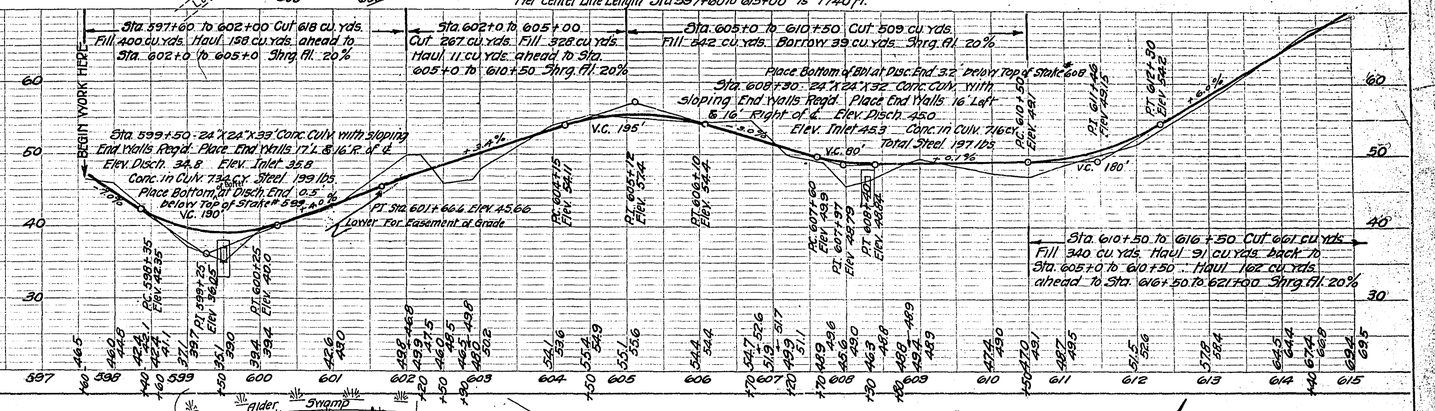
U.S. OFFICE OF PUBLIC ROADS & RURAL ENGINEERING

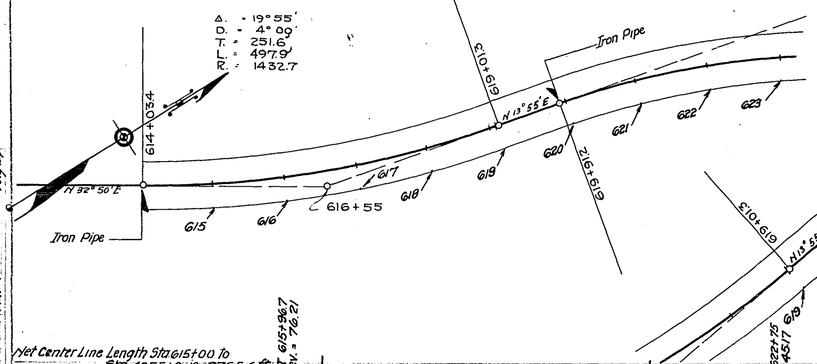
APPROVED [redacted]
DISTRICT ENGINEER

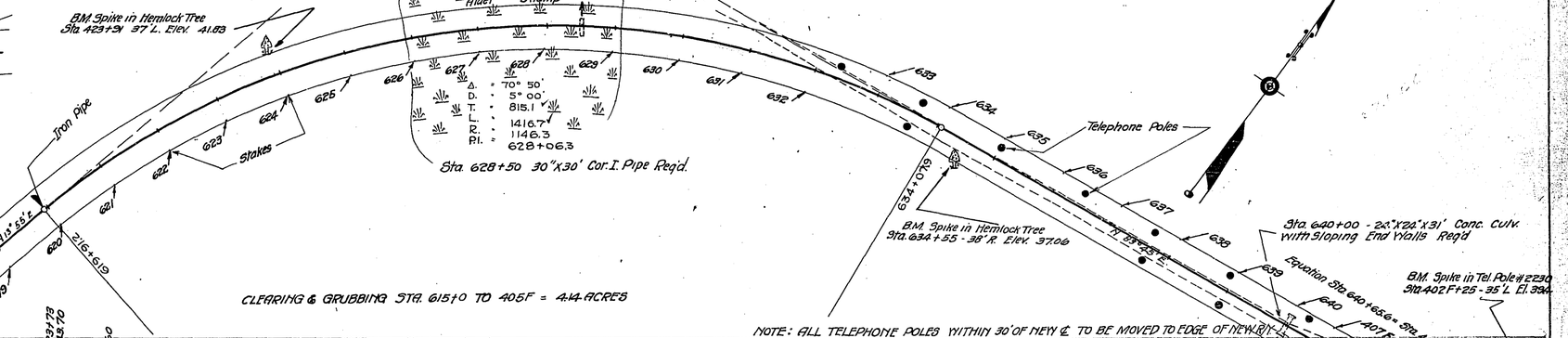
SKETCH SHOWING NEW RIGHT OF WAY REQUIRED FOR PROJECT.











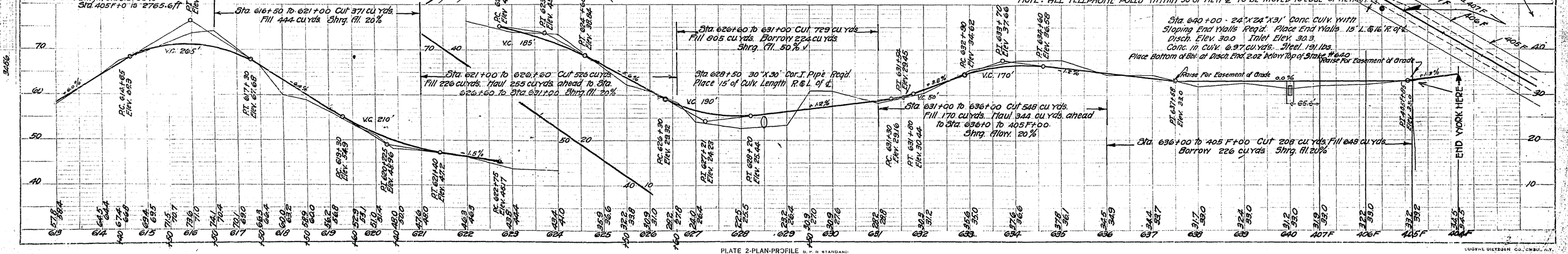
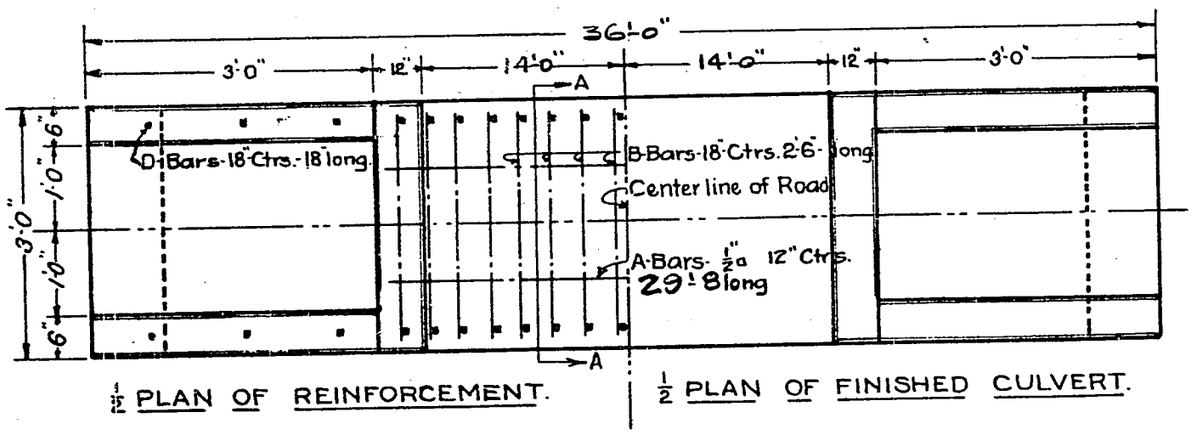


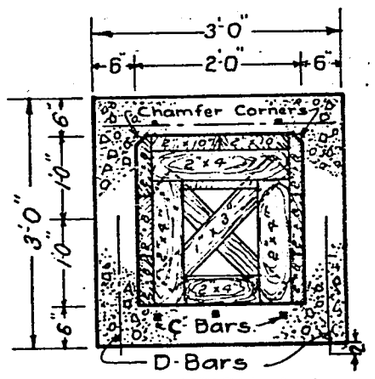
PLATE 2-PLAN-PROFILE U. P. R. STANDARD

LUDWIG DIETZGEN CO., CHGO., N.Y.



½ PLAN OF REINFORCEMENT.

½ PLAN OF FINISHED CULVERT.



SECTION-A-A.
Showing Forming.

NOTE:- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

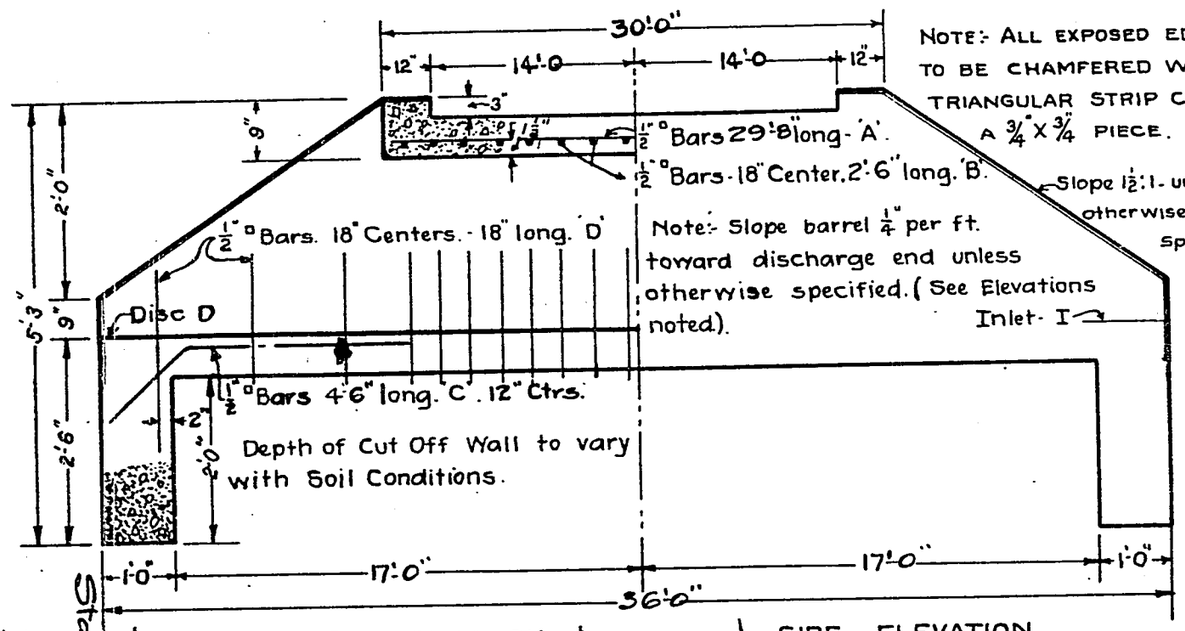
A-Bars		B-Bars.		C-Bars.		D-Bars.		Total
No.	Length.	No.	Length.	No.	Length.	No.	Length.	Steel
8	15'-8	40	2'-6"	12	4'-6"	104	1'-6"	370

STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12" O.C 15'-8 No.	B-Bars 18"O.C. 2'6" lg. No.	C-Bars 12" O.C. 4'6 lg. No.	D-Bars 18" O.C 1'6 lg. No.	No. Lbs. of Steel.	Total Cu. Yds. Conc.	Cem't Req'd. Bbls.	Sand Req'd. Cu. Yds.	Stone Req'd. Cu. Yds.
32M+0 to 234+35	4	20	6	52	185	6.78	10.2	2.9	5.8
~~280+10 to 288+90~~	~~4~~	~~20~~	~~6~~	~~52~~	~~185~~	~~6.78~~	~~10.2~~	~~2.9~~	~~5.8~~

INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake. Above	Below	Stk. No.	Elev. Top of Stake.
~~326+10~~	~~310.5~~	~~310.8~~	Dis. Inl.	1'-8" 1'-5"	~~32'G~~	~~312.18~~
234+35 G	527.0	527.3	Dis Inlet	5'-0" 4'-8"	235G	531.2
~~280+10 F~~	~~558.5~~	~~558.8~~	Dis Inlet	3'-1" 2'-10"	~~280F~~	~~561.61~~
~~288+90 F~~	~~556.5~~	~~556.8~~	Dis Inlet	5'-5" 5'-5"	~~289F~~	~~561.92~~
32M+0	312.5	312.9				



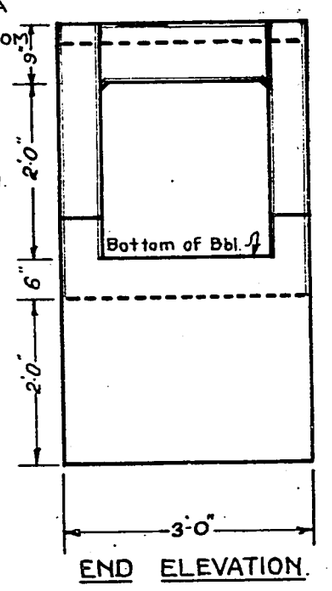
½ TRANSVERSE SECTION ON ℄

Note:- All exposed edges are to be chamfered with a triangular strip cut from a ¾"x¾" piece.

Slope 1½:1- unless otherwise specified.

Note:- Slope barrel ¼" per ft. toward discharge end unless otherwise specified. (See Elevations noted).

Inlet- I



END ELEVATION.

½ SIDE ELEVATION.

~~Sta 32 M+0 234+35 280F+10 288F+90~~

APPLICATION NO. 28 ROADWAY.

SPECIAL 24"X24" REINFORCED CONC. CULV'T.

WISCONSIN HIGHWAY COMMISSION.

MADISON, WIS.: DEC. 1921.

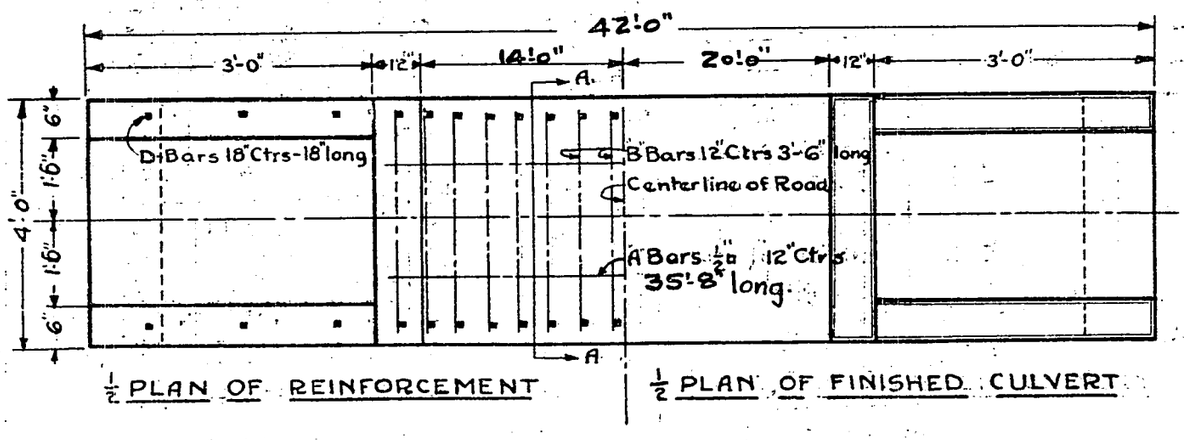
Approved:-

A R Hirst

State Highway Engineer.

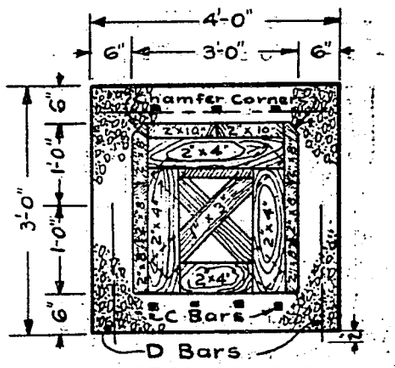
12-20-21.

Proj 187-A.



½ PLAN OF REINFORCEMENT

½ PLAN OF FINISHED CULVERT



SECTION A-A

Showing Forming

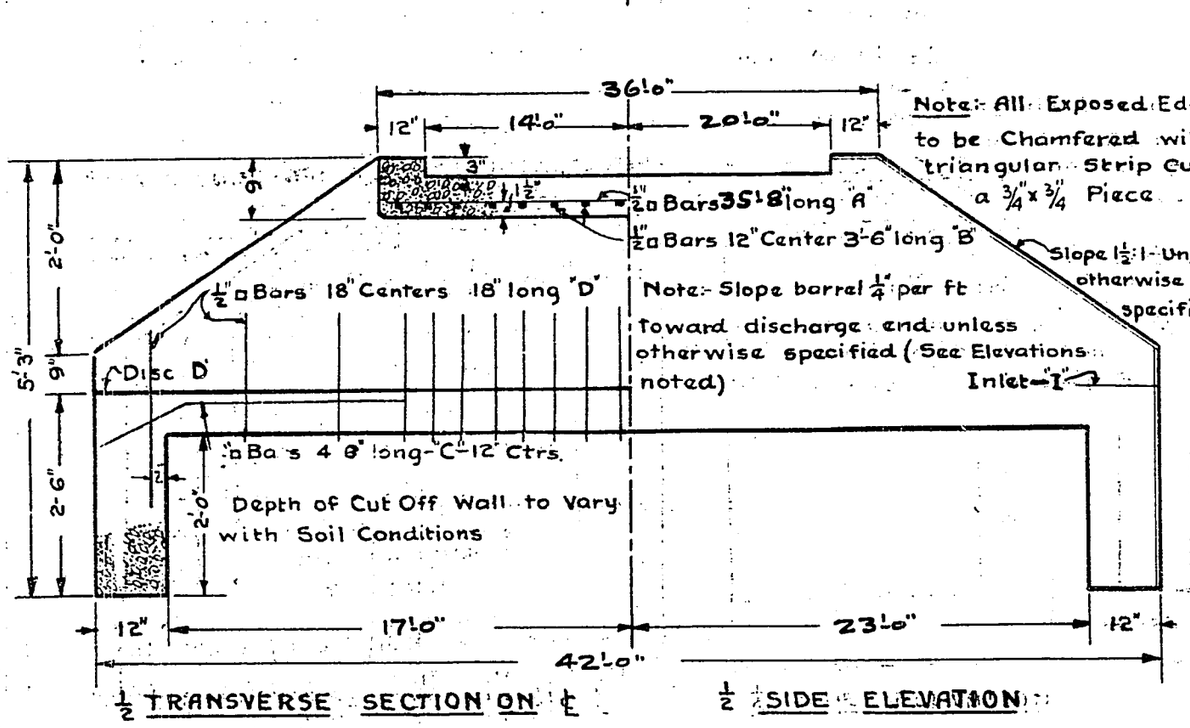
Note:- Do Not Scale This Drawing All Dimensions are Marked

CUT OUT AND MAIL WITH ORDER FOR STEEL
Total Steel Required for Culverts Listed Below

"A" Bars		"B" Bars		"C" Bars		"D" Bars		Total
No	Length	No	Length	No	Length	No	Length	Steel
6	18'-8	36	3'-6"	8	4'-6"	60	1'-6"	309

STEEL-½" □ BARS CONCRETE 1:2:4 MIX

Sta. No. of Culv.	A Bars 12" O.C 18'-8 No	B Bars 12" O.C 3'-6 lg. No	C Bars 12" O.C 4'-6 lg No	D Bars 18" O.C 1'-6 lg No	No. Lbs of Steel	Total Cu Yds Conc.	Cem't Req'd Bbls.	Sand Req'd Cu Yds.	Stone Req'd Cu Yds
43M+20	6	36	8	60	309	9.5	14.3	4.0	8.0



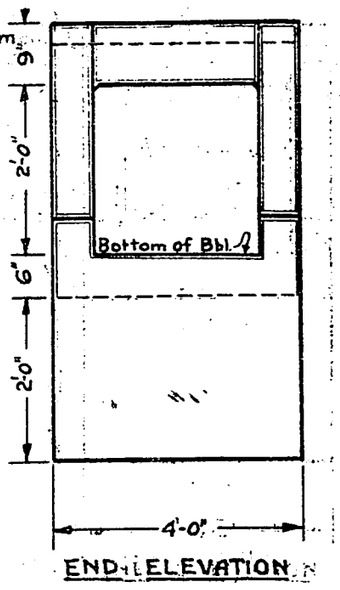
½ TRANSVERSE SECTION ON ℄

Note:- All Exposed Edges are to be Chamfered with a triangular Strip Cut from a ¾"x¾" Piece

Slope 1½:1- Unless otherwise specified

Note:- Slope barrel ¼" per ft toward discharge end unless otherwise specified (See Elevations noted)

Inlet-"I"



END ELEVATION

½ SIDE ELEVATION

INFORMATION REQUIRED TO STAKE OUT CULVERTS

Sta No of Culv't	Elev of Disch "D"	Elev of Inlet "I"	Distance of Point "D" above or below Top of Stake Above	Below	Stk No	Elev Top of Stake
43M+20	325.0	329.7				

Proj

APPLICATION NO 187

34 ROADWAY

SPECIAL 36"x24" REINFORCED CONC. CULV'T.

WISCONSIN HIGHWAY COMMISSION

MADISON, WIS. DEC. 1921

Approved:-

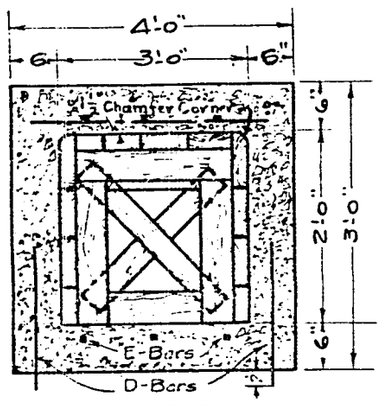
A R Hirst

State Highway Engineer

Sta 43M+20

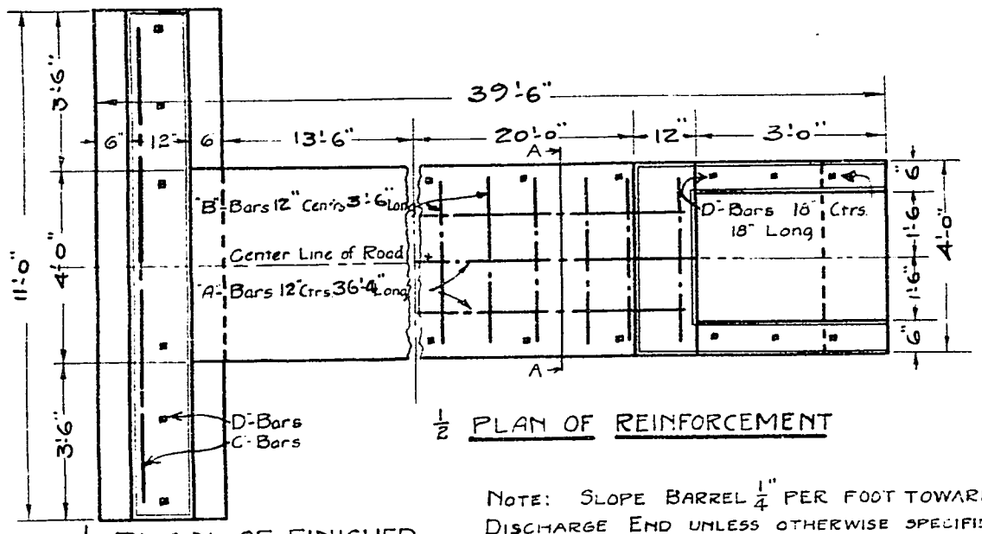
Proj 187-B.

12



SECTION-A-A
Showing Forming

NOTE: DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED.

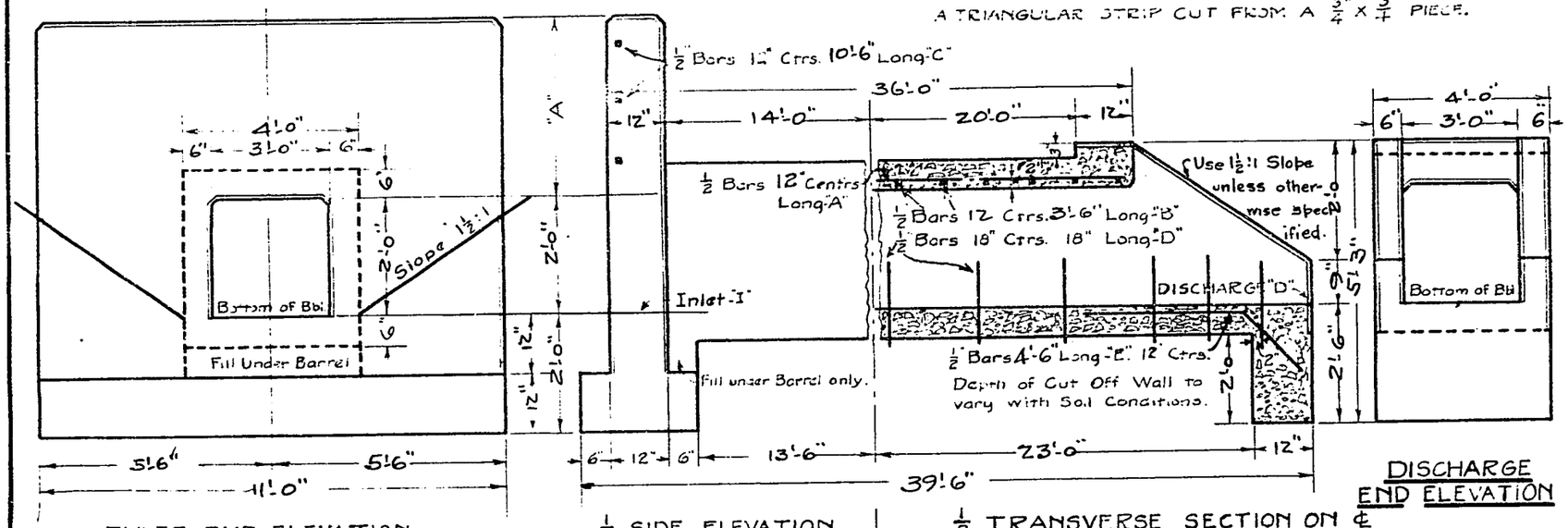


½ PLAN OF FINISHED CULVERT

½ PLAN OF REINFORCEMENT

NOTE: SLOPE BARREL ¼" PER FOOT TOWARD DISCHARGE END UNLESS OTHERWISE SPECIFIED. (SEE ELEVATIONS AS NOTED)

ALL EXPOSED EDGES ARE TO CHAMPHERED WITH A TRIANGULAR STRIP CUT FROM A ¾" X ¾" PIECE.



INLET END ELEVATION

½ SIDE ELEVATION

½ TRANSVERSE SECTION ON ℄

DISCHARGE END ELEVATION

Sta 43M+20

CUT OUT AND MAIL WITH ORDER FOR STEEL
Total Steel required for Culverts listed below

A-Bars		B-Bars		C-Bars		D-Bars		E-Bars		Total
No	Length	No	Length	No	Length	No	Length	No	Length	Steel
6	19'0	36	3'-6"	2	10'-6"	60	1'-6"	4	4'6"	314
							1'-6"			

STEEL – ½" SQ. BARS CONCRETE-1:2:4 MIX

Sta No. of Culv't	A-Bars 12" O.C No.	B-Bars 12" O.C No.	C-Bars 12" O.C No.	D-Bars 18" O.C No.	E-Bars 12" O.C No.	No. Lbs. of Steel	Total Cu. Yds. Conc.	Cem't Req'd Bbl.	Sand Req'd Cu. Yds	Stone Req'd Cu Yds
43M+20	6	36	2	60	4	314	11.0	16.5	4.6	9.2

INFORMATION REQUIRED TO STAKE OUT CULVERT

Sta. No of Culv't.	Elev. of Disch. "D"	Elev. of Inlet "I"	Height Inlet Endwall "A"	Distance of Point "D" above or below Top of Stake			Elev Top of Stake
				Above	Below	Stk No	
43M+20	325.0	329.7	1'-6"				

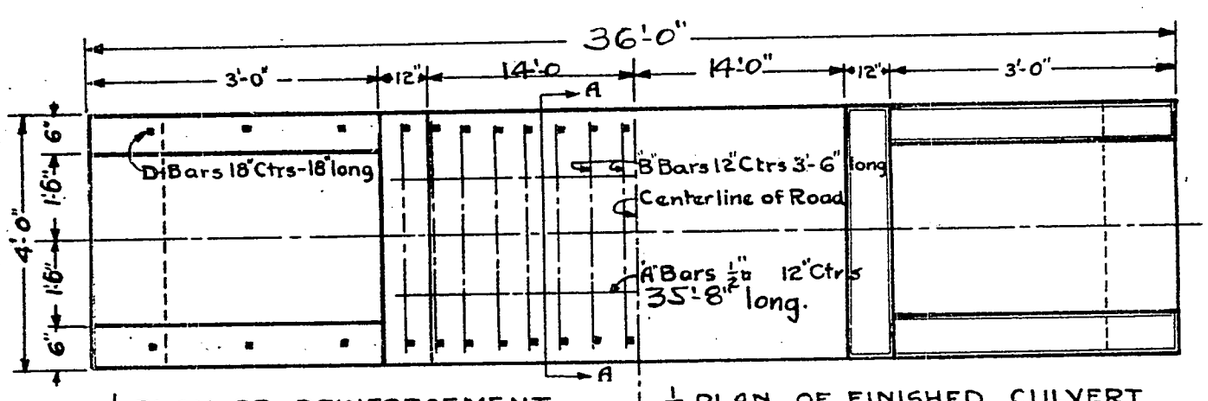
Proj NO. 187
34' ROADWAY

SPECIAL 36"x24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION
MADISON, WIS. FEB. 1922.

Approved:
A R Hirst
State Highway Engineer

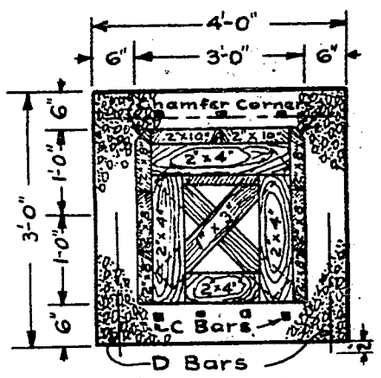
Proj 187-B Rev.

See Grade Sheet for Distances from Stake to Centerline of New Road



½ PLAN OF REINFORCEMENT

½ PLAN OF FINISHED CULVERT



SECTION A-A
Showing Forming

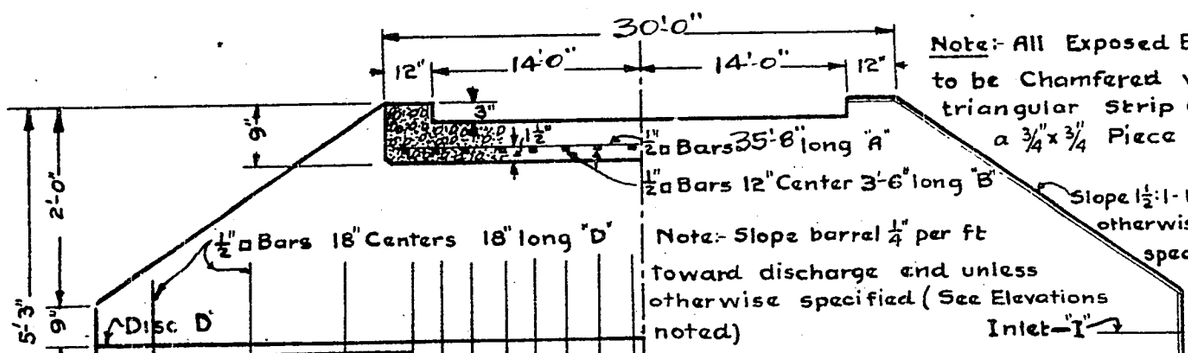
Note:- Do Not Scale This Drawing All Dimensions are Marked

CUT OUT AND MAIL WITH ORDER FOR STEEL
Total Steel Required for Culverts Listed Below

"A" Bars		"B" Bars		"C" Bars		"D" Bars		Total
No	Length	No	Length	No	Length	No	Length	Steel
6	15'-8	30	3'-6"	8	4'-6"	52	1'-6"	265

STEEL-½" □ BARS CONCRETE 1:2:4 MIX

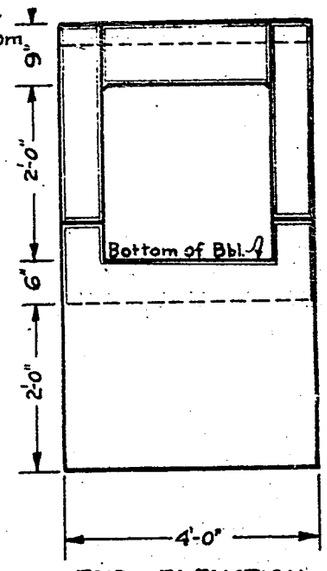
Sta. No. of Culv.	A Bars 12" O.C. 15'-8 No	B Bars 12" O.C 3'-6 lg. No	C Bars 12" O.C. 4'-6 lg No	D Bars 18" O.C 1'-6 lg No	No. Lbs of Steel	Total Cu Yds Conc.	Cem't Req'd Bbls	Sand Req'd Cu Yds.	Stone Req'd Cu Yds
896+0	6	30	8	52	265	8.16	12.3	3.8	6.4



½ TRANSVERSE SECTION ON ℄

½ SIDE ELEVATION

Note:- All Exposed Edges are to be Chamfered with a triangular Strip Cut from a ¾"x¾" Piece



END ELEVATION

INFORMATION REQUIRED TO STAKE OUT CULVERTS

Sta No of Culv't	Elev. of Disch "D"	Elev of Inlet "I"	Distance of Point "D" above or below Top of Stake			Elev. Top of Stake
			Above	Below	Stk. No	
896+0	372.4	372.7	Dis Inlet	11'-11" 11'-7"	926	384.27

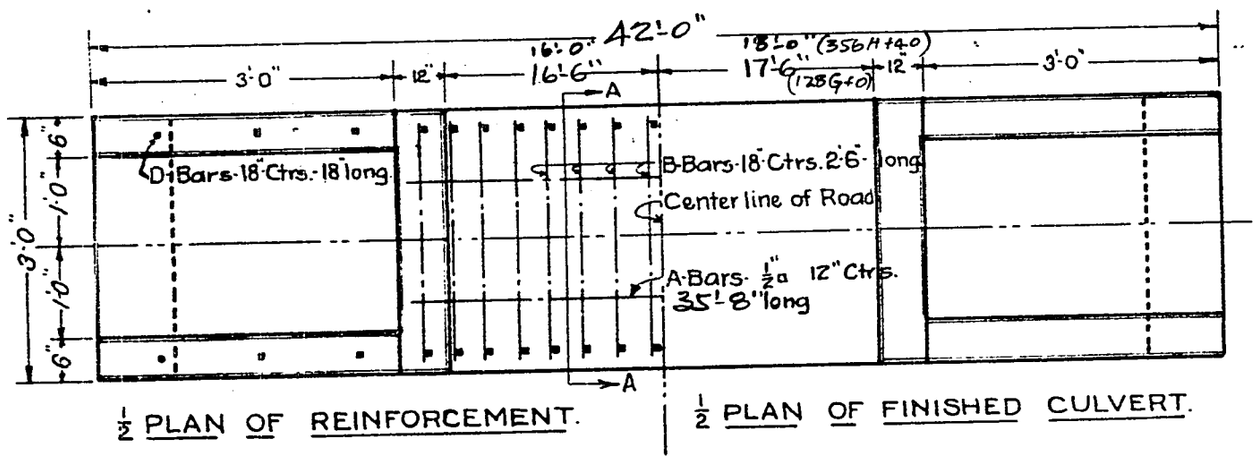
~~APPLICATION NO~~
28 ROADWAY

SPECIAL 36"x24" REINFORCED CONC CULV'T
WISCONSIN HIGHWAY COMMISSION
MADISON, WIS. DEC. 1921

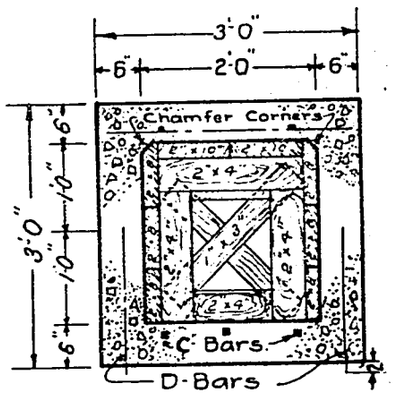
Approved:-
A R Hirst
State Highway Engineer

Proj 187-C

Sta 896+0



½ PLAN OF REINFORCEMENT. ½ PLAN OF FINISHED CULVERT.



SECTION-A-A.
Showing Forming.

NOTE: DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A-Bars		B-Bars.		C-Bars.		D-Bars.		Total
No.	Length.	No.	Length.	No.	Length.	No.	Length	Steel
4	18'8	24	2'-6"	6	4'-6"	60	1'-6"	213

STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12"O.C 18'8 No.	B-Bars 18"O.C. 2'6" lg. No.	C-Bars 12"O.C. 4'6" lg. No	D-Bars 18"O.C 1'6" lg. No.	No. Lbs. of Steel	Total Cu. Yds. Conc.	Cem't. Req'd. Bbls.	Sand Req'd. Cu. Yds.	Stone Req'd. Cu. Yds.
128G+0	4	24	6	60	213	7.90	11.9	3.3	6.6
~~384F+0~~	~~4~~	~~24~~	~~6~~	~~60~~	~~213~~	~~7.90~~	~~11.9~~	~~3.3~~	~~6.6~~
356H+40	4	24	6	60	213	7.90	11.9	3.3	6.6
453H+75	4	24	6	60	213	7.90	11.9	3.3	6.6

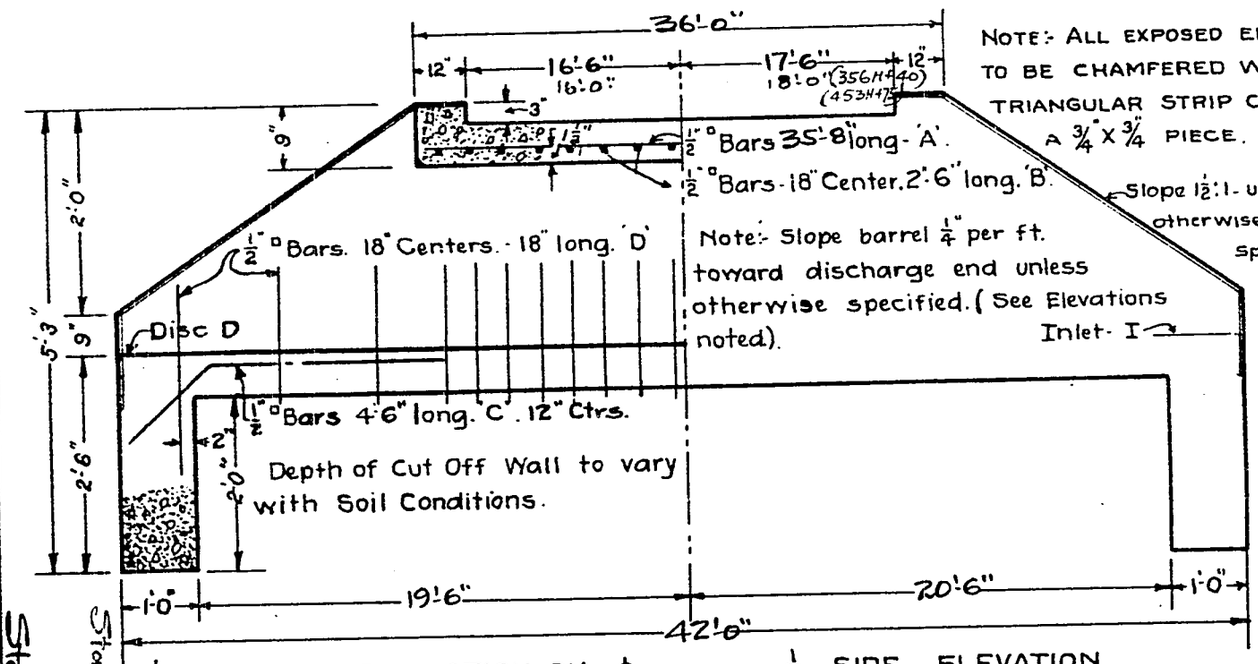
INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake. Above	Below	Stk. No.	Elev. Top of Stake.
128G+0	438.0	438.8	Disc	5'-8"	129	443.7
~~384F+0~~	~~614.6~~	~~614.9~~	~~Disc~~	~~6'-10"~~	~~384F~~	~~615.42~~
			Inlet	4'-3"		
356H+0	650.0	651.0	Dis	3'-3"	356H	654.23
453H+75	596.4	596.5	Inlet Dis	4'-3"	454H	600.67
			Inlet	4'-2"		

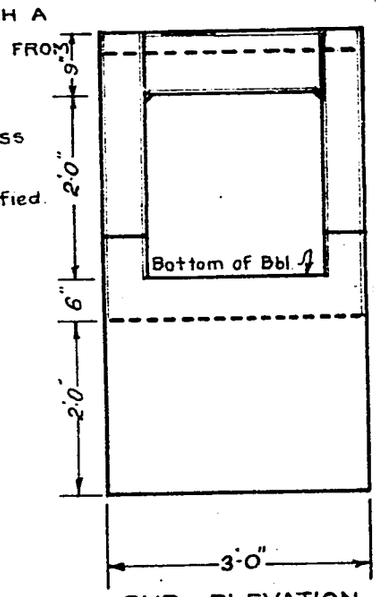
~~APPLICATION NO.~~
34' ROADWAY.

SPECIAL 24"X24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION.
MADISON, WIS.: DEC. 1921.
Approved:-
A.R. Hirst
State Highway Engineer.
12-20-21.

Proj 187-D

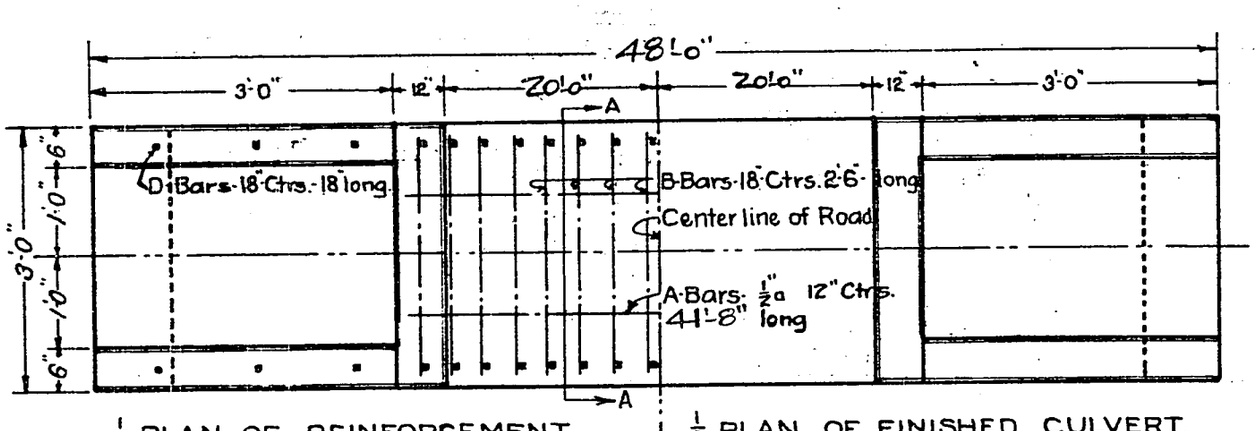


½ TRANSVERSE SECTION ON ℄ ½ SIDE ELEVATION.

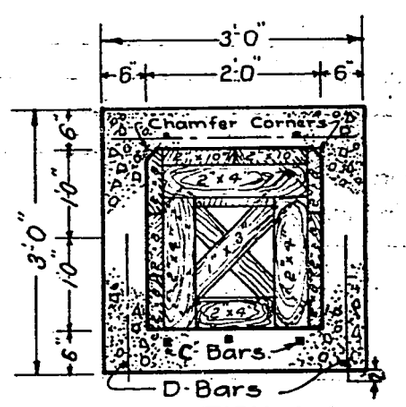


END ELEVATION.

Note:- All exposed edges are to be chamfered with a triangular strip cut from a ¾"X¾" piece.



½ PLAN OF REINFORCEMENT. ½ PLAN OF FINISHED CULVERT.



SECTION-A-A.
Showing Forming.

NOTE: DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A-Bars		B-Bars.		C-Bars.		D-Bars.		Total
No.	Length.	No.	Length.	No.	Length.	No.	Length	Steel
4	21'-8"	28	2'-6"	6	4'-6"	68	1'-6"	242

STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12"O.C 21'-8" No.	B-Bars 18"O.C. 2'6" lg. No.	C-Bars 12"O.C. 4'6" lg. No.	D-Bars 18"O.C 1'6" lg. No.	No. Lbs. of Steel	Total Cu. Yds. Conc.	Cem't. Req'd. Bbls.	Sand Req'd. Cu. Yds.	Stone Req'd. Cu. Yds.
143G+0	4	28	6	68	242	9.0	13.5	3.8	7.6

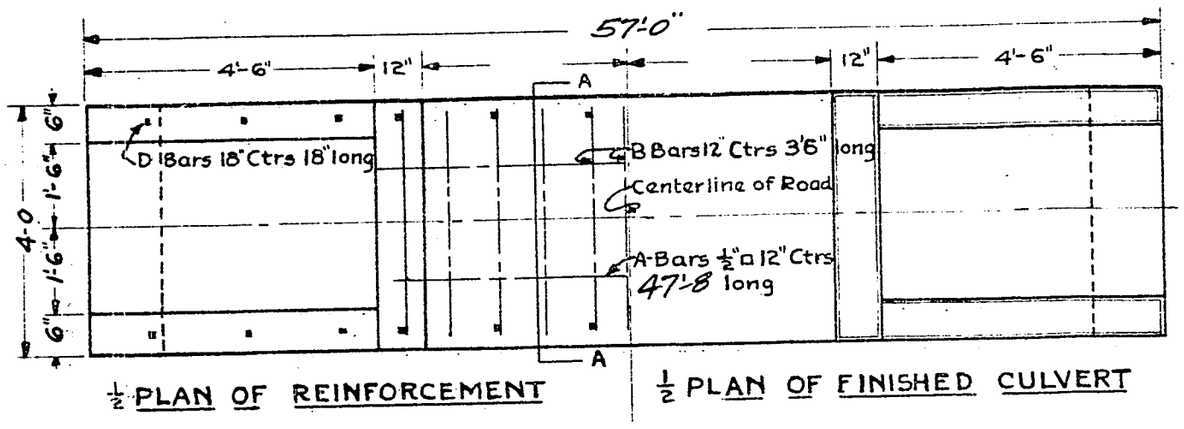
INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake. Above	Below	Stk. No.	Elev. Top of Stake.
143G+0	434.4	434.7				

~~APPLICATION NO.~~
40 ROADWAY.

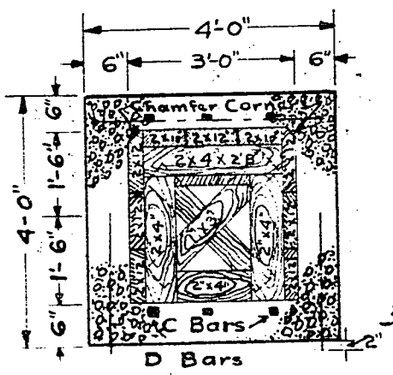
SPECIAL 24"X24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION.
MADISON, WIS.: DEC. 1921.
Approved:-
A.R. Hirst
State Highway Engineer.
12-20-21.

Proj 187-E



½ PLAN OF REINFORCEMENT

½ PLAN OF FINISHED CULVERT



SECTION A-A

Showing Forming

Note: Do not Scale this Drawing All Dimensions Are Marked

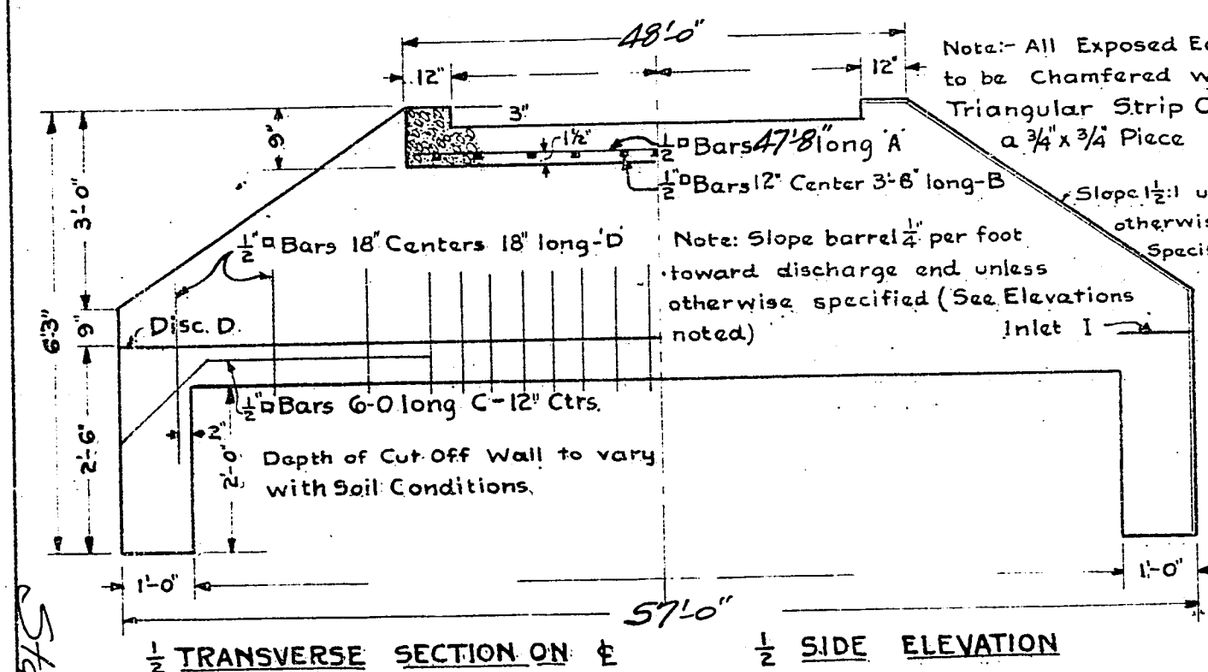
CUT OUT AND MAIL WITH ORDER FOR STEEL

Total Steel Required for Culverts Listed below

A Bars		B Bars		C Bars		D Bars		Total
No	Length	No	Length	No	Length	No	Length	Steel
6	24'8	48	3'6"	8	6'0"	76	1'6"	405

STEEL-½" SQ BARS CONCRETE 1:2:4 MIX

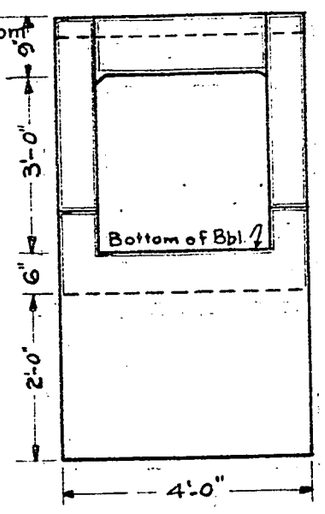
Sta No. of Culv't	A Bar 12" O.C No.	B Bar 12" O.C No.	C Bar 12" O.C No	D Bar 18" O.C 1'6 lg No	No Lbs of Steel	Total Cu Yds Conc	Cem't Req'd Bbls	Sand Req'd Cu Yds.	Stone Req'd Cu Yds
392+50	6 24'8"	48 3'-6"	8 6'-0"	76	405	14.52	21.8	6.1	12.2



Note:- All Exposed Edges are to be Chamfered with a Triangular Strip Cut from a ¾"x¾" Piece

½ TRANSVERSE SECTION ON ℄

½ SIDE ELEVATION



END ELEVATION

Sta 392+50

CUTOUT AND MAIL WITH ORDER FOR STEEL

Total Steel Required for Culverts Listed below

A Bars		B Bars		C Bars		D Bars		Total
No	Length	No	Length	No	Length	No	Length	Steel
6	24'8	48	3'6"	8	6'0"	76	1'6"	405

STEEL-½" SQ BARS CONCRETE 1:2:4 MIX

Sta No. of Culv't	A Bar 12"O.C No.	B Bar 12"O.C No.	C Bar 12 O.C No	D Bar 18"O.C 1'6 lg No	No Lbs of Steel	Total Cu Yds Conc	Cem't Req'd Bbls	Sand Req'd Cu Yds.	Stone Req'd Cu Yds
392+50	6 24'8"	48 3'-6"	8 6'-0"	76	405	14.52	21.8	6.1	12.2

INFORMATION REQUIRED TO STAKE OUT CULVERTS

Sta No of Culv	Elev of Disc "D"	Elev of Inlet "I"	Distance of Point "D" above or below Top of Stake			Elev Top of Stake
			Above	Below	Stk No	
392+50						

46' ROADWAY

SPECIAL 36"x36" REINFORCED CONC CULV'T

WISCONSIN HIGHWAY COMMISSION

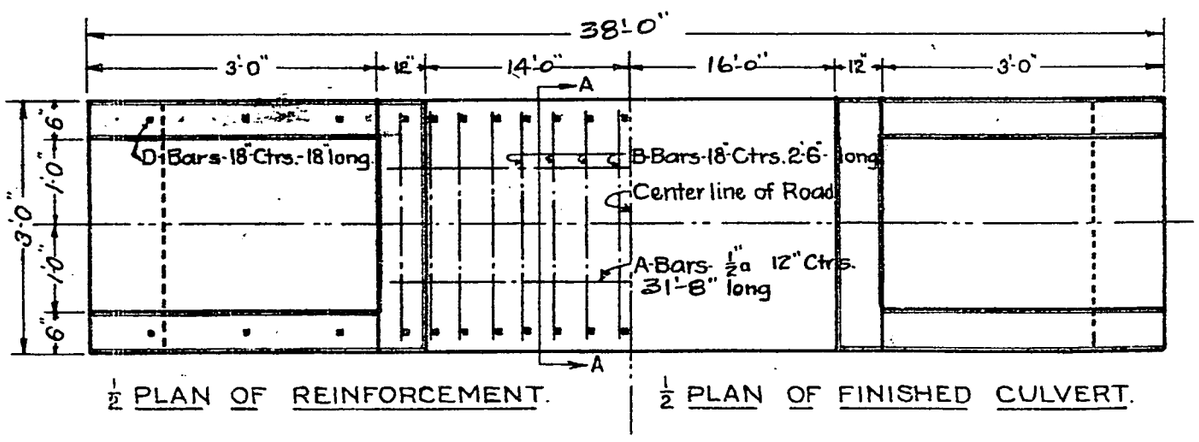
MADISON, WIS. FEB 1922.

Approved:

A R Hirst

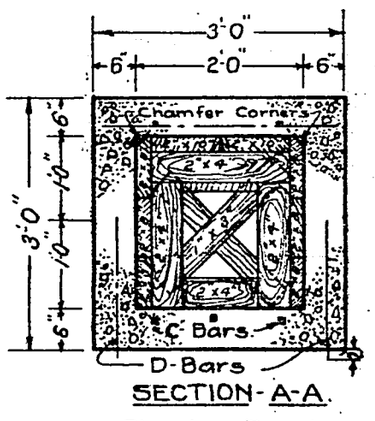
State Highway Engineer.

Proj 187-E. Rev



½ PLAN OF REINFORCEMENT.

½ PLAN OF FINISHED CULVERT.



SECTION-A-A.

Showing Forming.

NOTE:- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.

Total Steel required for Culverts listed below.

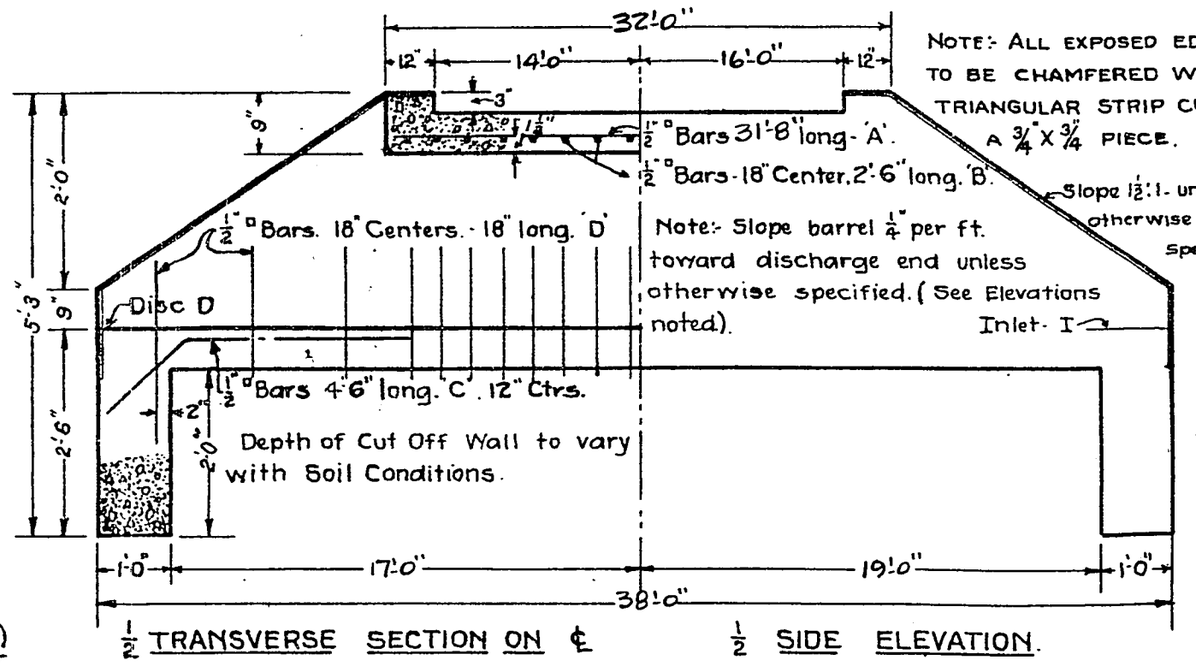
A-Bars		B-Bars.		C-Bars.		D-Bars.		Total
No.	Length.	No.	Length.	No.	Length.	No.	Length	Steel
4	16'-8"	22	2'-6"	6	4'-6"	56	1'-6"	197

STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12" O.C 16'-8" No.	B-Bars 18"O.C. 2'6" lg No.	C-Bars 12" O.C 4'6" lg. No.	D-Bars 18" O.C 1'6" lg. No.	No. Lbs. of Steel.	Total Cu. Yds. Conc.	Cem't. Req'd. Bbls.	Sand Req'd. Cu. Yds.	Stone Req'd Cu. Yds.
1466+04	22	6	56	197	7.16	10.8	3.0	6.0	

INFORMATION REQUIRED TO STAKE OUT CULVERTS.

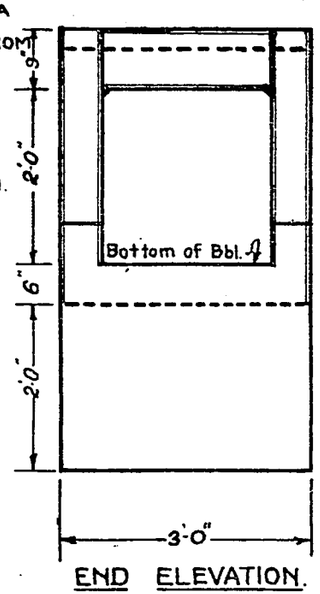
Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake.			Elev. Top of Stake.
			Above	Below	Stk. No.	
1466+04	437.7					



NOTE:- ALL EXPOSED EDGES ARE TO BE CHAMFERED WITH A TRIANGULAR STRIP CUT FROM A ¾"X¾" PIECE.

½ TRANSVERSE SECTION ON ℄

½ SIDE ELEVATION.



END ELEVATION.

APPLICATION NO.

30 ROADWAY.

SPECIAL 24"X24" REINFORCED CONC. CULV'T.

WISCONSIN HIGHWAY COMMISSION.

MADISON, WIS.: DEC. 1921.

Approved:-

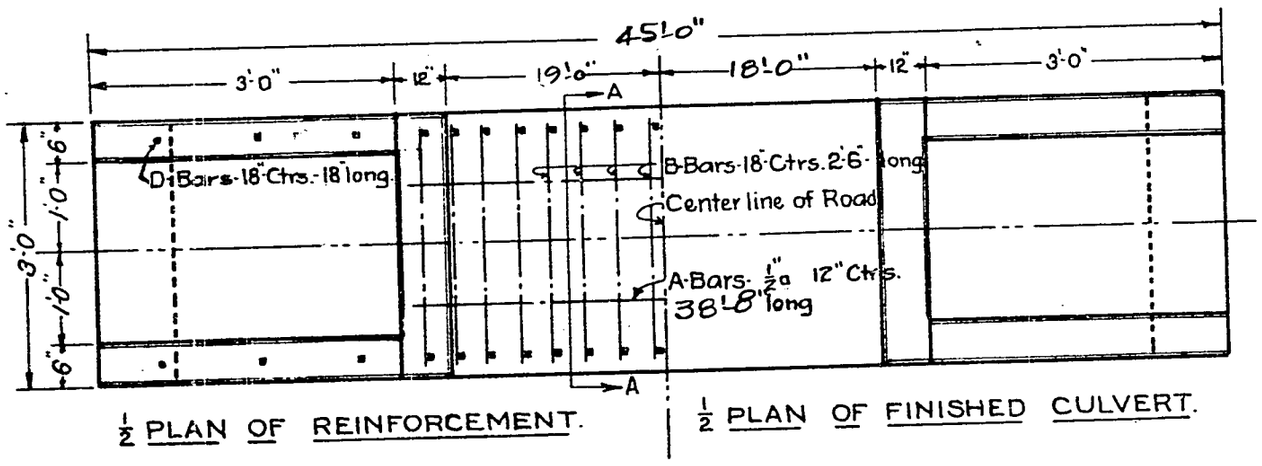
A R Hirst

State Highway Engineer.

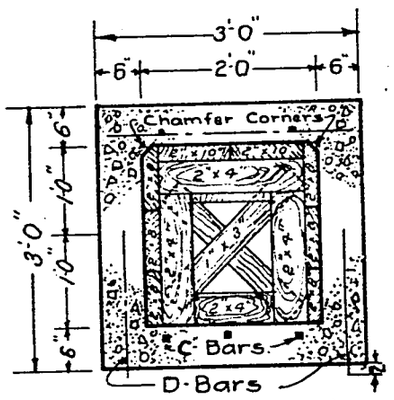
12-20-21.

Sta 1466+04

Proj 187-F



½ PLAN OF REINFORCEMENT. ½ PLAN OF FINISHED CULVERT.



SECTION-A-A.
Showing Forming.

NOTE: DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A-Bars		B-Bars.		C-Bars.		D-Bars.		Total
No.	Length.	No.	Length.	No.	Length.	No.	Length	Steel
4	20'2"	26	2'-6"	6	4'-6"	64	1'-6"	228

STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12"O.C 20'2" No.	B-Bars 18"O.C. 2'6" lg. No.	C-Bars 12"O.C. 4'6 lg. No.	D Bars 18"O.C 1'6 lg. No.	No. Lbs. of Steel	Total Cu. Yds. Conc.	Cem't Req'd. Bbls.	Sand Req'd Cu. Yds.	Stone Req'd Cu. Yds.
1936	4	26	6	64	228	8.45	12.8	3.6	7.2

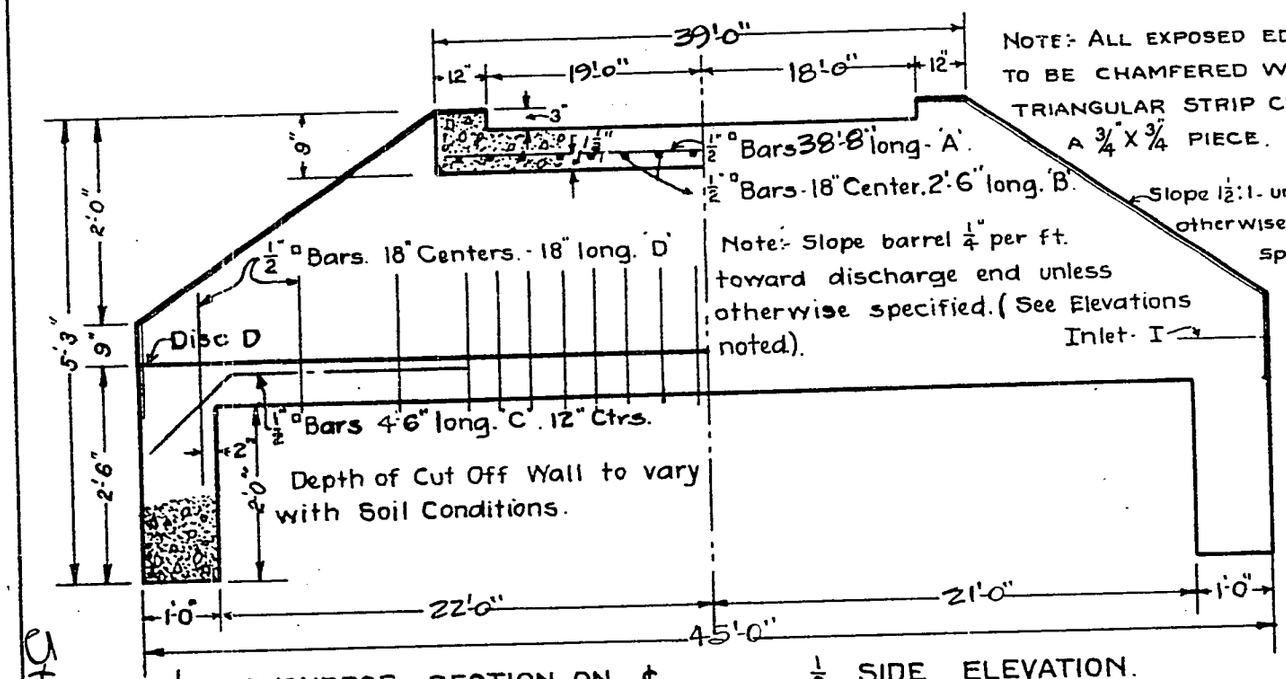
INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake.			Elev. Top of Stake.
			Above	Below	Stk. No.	
1936 to	456.0	456.8				

~~APPLICATION NO.~~
37' ROADWAY.

SPECIAL 24"X24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION.
MADISON, WIS.: DEC. 1921.
Approved:-
A.R. Hirst
State Highway Engineer.
12-20-21.

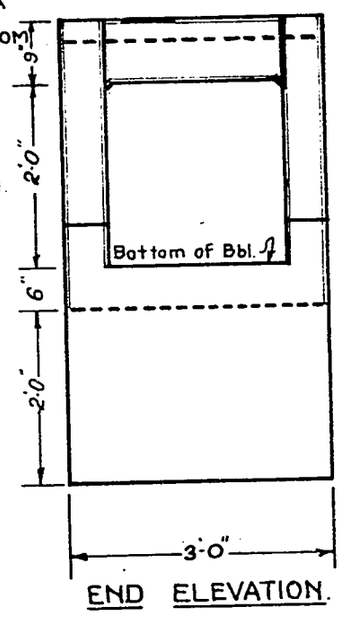
Proj 187-G



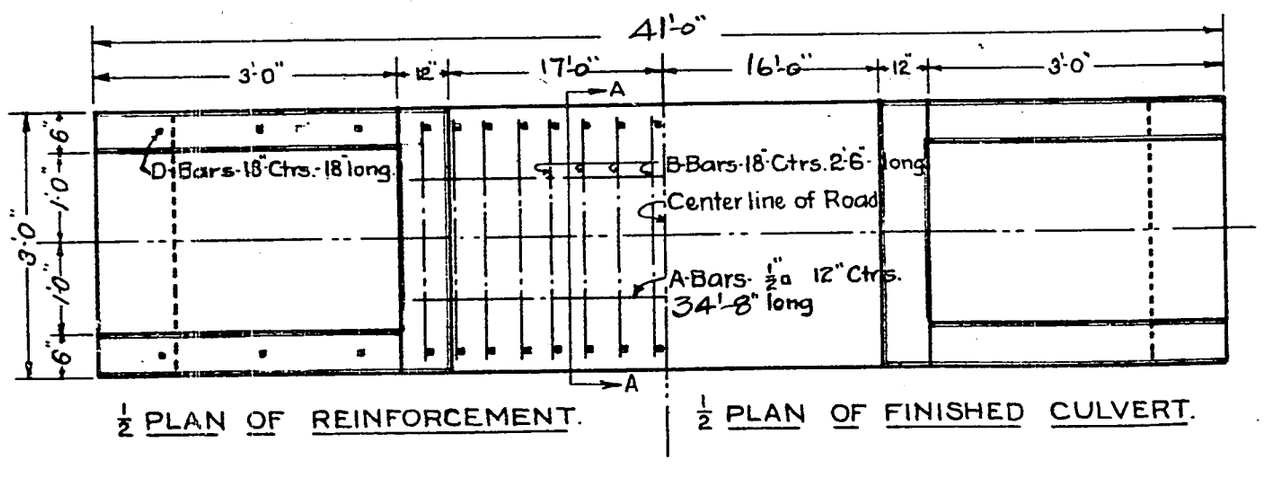
½ TRANSVERSE SECTION ON ℄ ½ SIDE ELEVATION.

Sta 1936 to

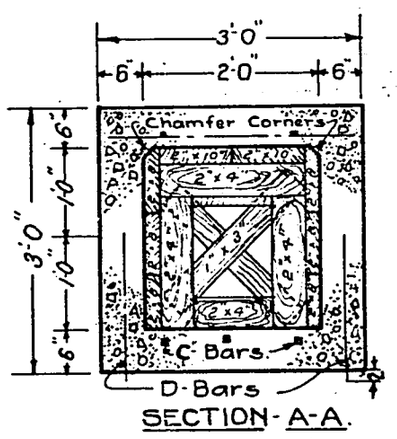
NOTE:- ALL EXPOSED EDGES ARE TO BE CHAMFERED WITH A TRIANGULAR STRIP CUT FROM A ¾"X¾" PIECE.



END ELEVATION.



½ PLAN OF REINFORCEMENT. ½ PLAN OF FINISHED CULVERT.



SECTION-A-A.
Showing Forming.

NOTE: DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A-Bars		B-Bars.		C-Bars.		D-Bars.		Total
No.	Length.	No.	Length.	No.	Length.	No.	Length	Steel
4	18'2	24	2'-6"	6	4'-6"	60	1'-6"	212

STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12"O.C 18'2" No.	B-Bars 18"O.C. 2'6" lg. No.	C-Bars 12"O.C. 4'6 lg. No.	D Bars 18"O.C 1'6 lg. No.	No. Lbs. of Steel	Total Cu. Yds. Conc.	Cem't Req'd. Bbls.	Sand Req'd Cu. Yds.	Stone Req'd Cu. Yds.
1976 to	4	24	6	60	212	7.71	11.6	3.2	6.4

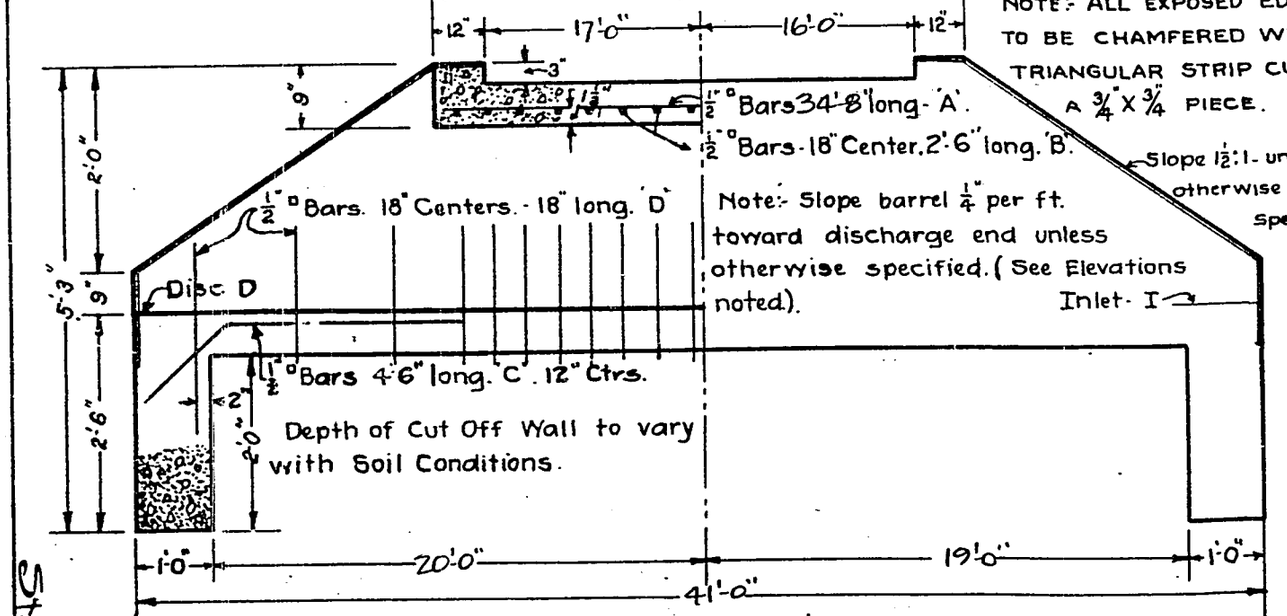
INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake.			Elev. Top of Stake.
			Above	Below	Stk. No.	
1976 to	472.6	472.9	Dis Inlet	1'-3" 0'-11"	1976	473.78

~~APPLICATION NO.~~
33' ROADWAY.

SPECIAL 24"X24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION.
MADISON, WIS.: DEC. 1921.
Approved:-
A.R. Hirst
State Highway Engineer.
12-20-21.

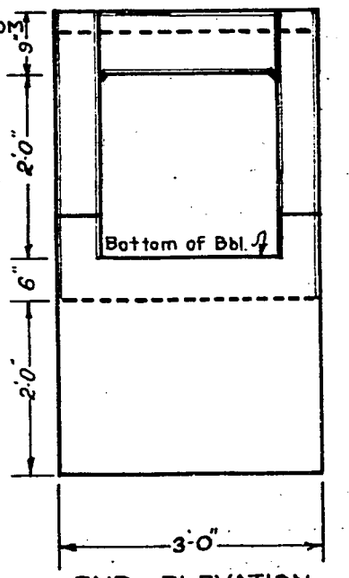
Proj 187-H



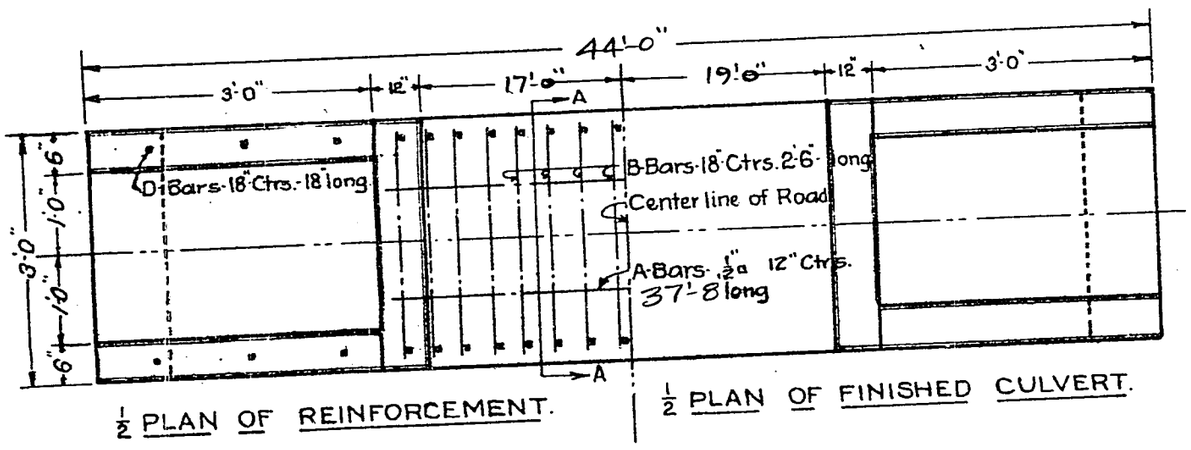
½ TRANSVERSE SECTION ON ℄ ½ SIDE ELEVATION.

Sta 1976 to

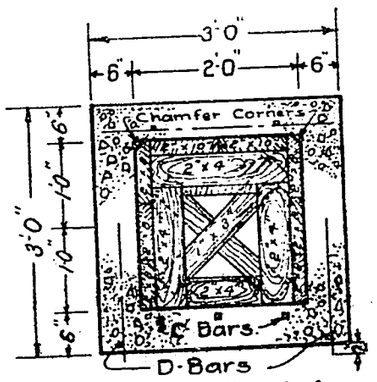
NOTE:- ALL EXPOSED EDGES ARE TO BE CHAMFERED WITH A TRIANGULAR STRIP CUT FROM A ¾"X¾" PIECE.



END ELEVATION.



½ PLAN OF REINFORCEMENT. ½ PLAN OF FINISHED CULVERT.



SECTION - A-A. Showing Forming.

NOTE: DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A - Bars		B - Bars.		C - Bars.		D - Bars		Total
No.	Length	No.	Length	No.	Length	No.	Length	Steel
4	19'8	26	2'-6"	6	4'-6"	64	1'-6"	226

STEEL - ½" SQ. BARS. CONCRETE 1:2:4 MIX.

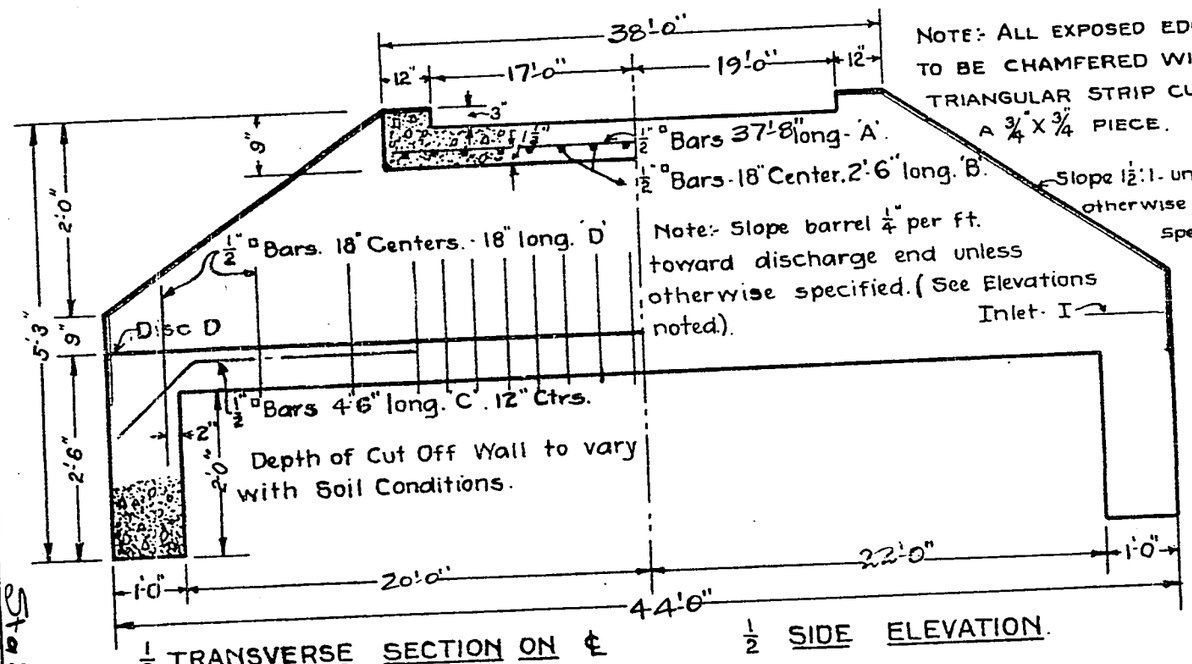
Sta. No. of Culv't.	A-Bars 12" O.C 19'8 No.	B-Bars 18" O.C 2'6" lg No.	C-Bars 12" O.C 4'6" lg No	D Bars 18" O.C 1'6" lg. No.	No. Lbs. of Steel	Total Cu Yds Conc.	Cem't Req'd. Bbls.	Sand Req'd Cu. Yds.	Stone Req'd Cu. Yds.
2216+10	4	26	6	64	226	8.26	12.5	3.5	7.0

INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake. Above	Below	Stk. No.	Elev. Top of Stake.
2216+10	505.0	506.2	D is Inlet	2'-3" 1'-0"	2216	507.22

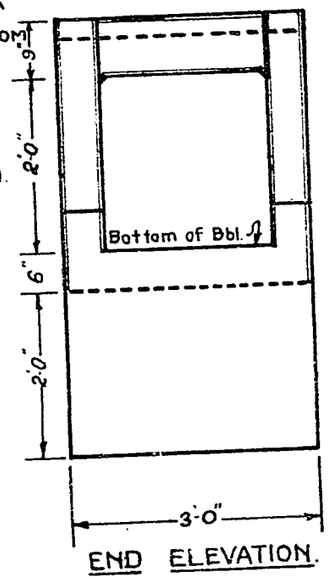
~~APPLICATION NO.~~
36 ROADWAY.

SPECIAL 24" X 24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION.
MADISON, WIS.: DEC. 1921.
Approved:-
A R Hirst
State Highway Engineer.
12-20-21



½ TRANSVERSE SECTION ON ℄ ½ SIDE ELEVATION.

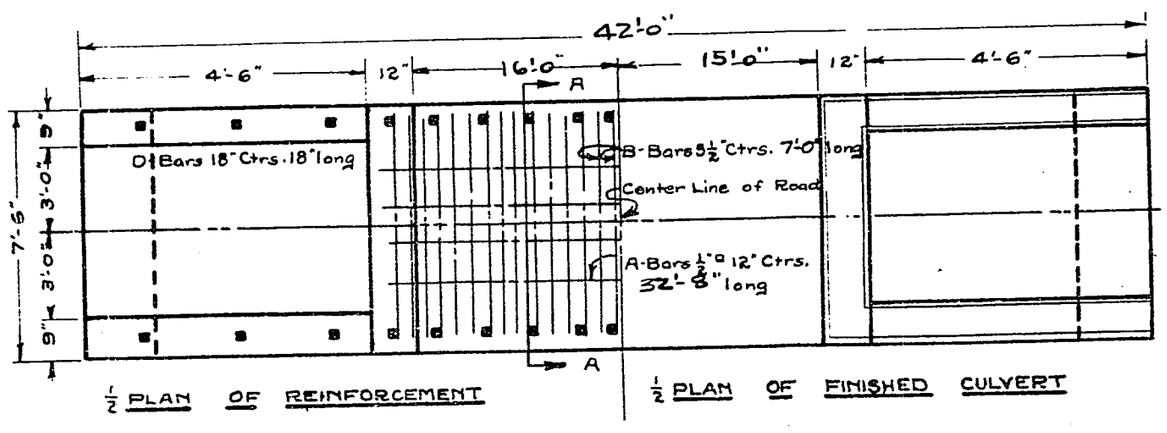
NOTE:- ALL EXPOSED EDGES ARE TO BE CHAMFERED WITH A TRIANGULAR STRIP CUT FROM A ¾" X ¾" PIECE.



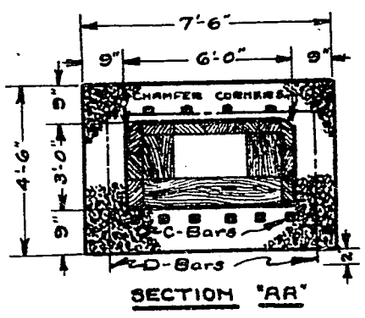
END ELEVATION.

Sta 2216+10

Proj 187-I



½ PLAN OF REINFORCEMENT ½ PLAN OF FINISHED CULVERT



SECTION "AA" Showing Forming

Note: Do not Scale this Drawing. All Dimensions are Marked.

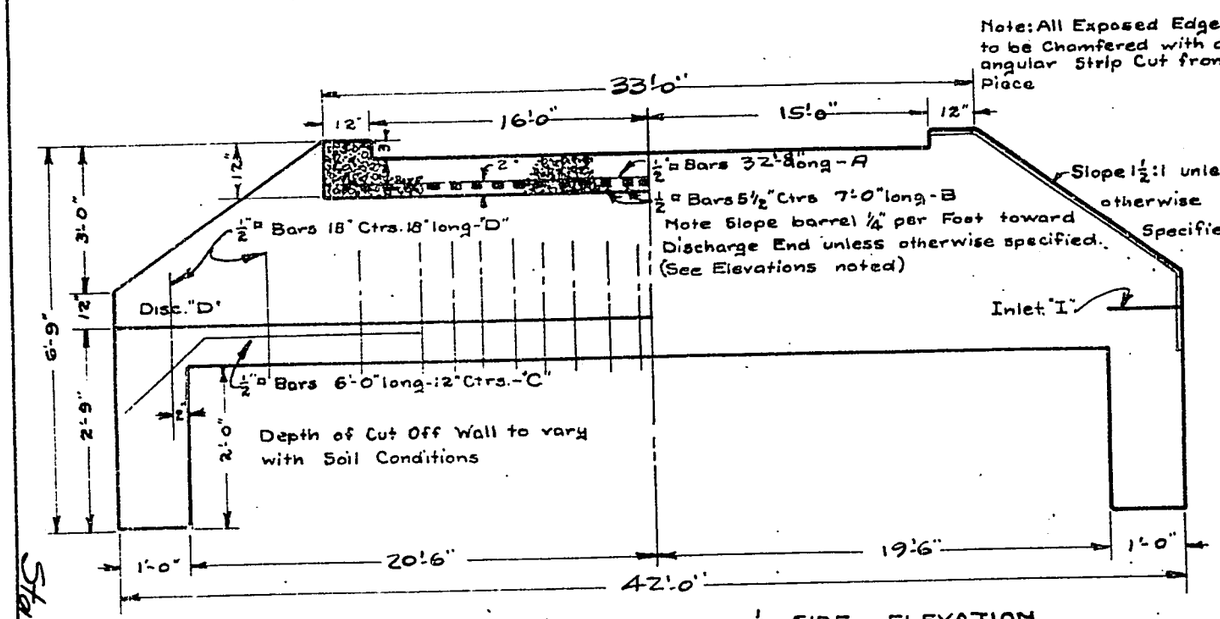
CUT OUT AND MAIL WITH ORDER FOR STEEL
Total Steel Required for Culverts Listed Below.

A-Bars		B-Bars		C-Bars		D Bars		Total
No.	Length	No.	Length	No.	Length	No.	Length	Steel
8	17'2"	71	7'-0"	14	6'-0"	56	1'-6"	681

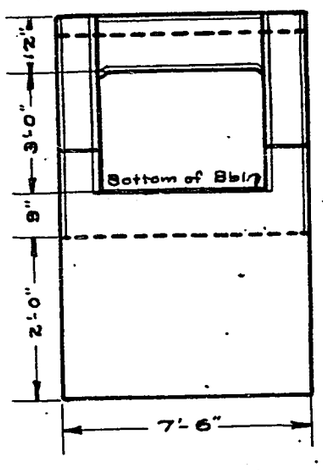
STEEL - ½" ø BARS CONCRETE 1:2:4 MIX

Sta. No. of Culv't	A-Bars 12" O.C. 17'2 No.	B-Bars 5½" O.C. 7'-0" No.	C-Bars 12" O.C. 6'-0" No.	D-Bars 18" O.C. 1'-6" No.	No. Lbs. of Steel	Total Cu. Yds. Conc.	Cem't Req'd Bbls.	Sand Req'd Cu. Yds.	Stone Req'd Cu. Yds.
2791+50									
	8	71	14	56	681	23.63	35.4	9.9	19.8

See Grade Sheet for Distances from Stake to Centerline of Road.



½ TRANSVERSE SECTION ON ℄ ½ SIDE ELEVATION



END ELEVATION

INFORMATION REQUIRED TO STAKE OUT CULVERTS

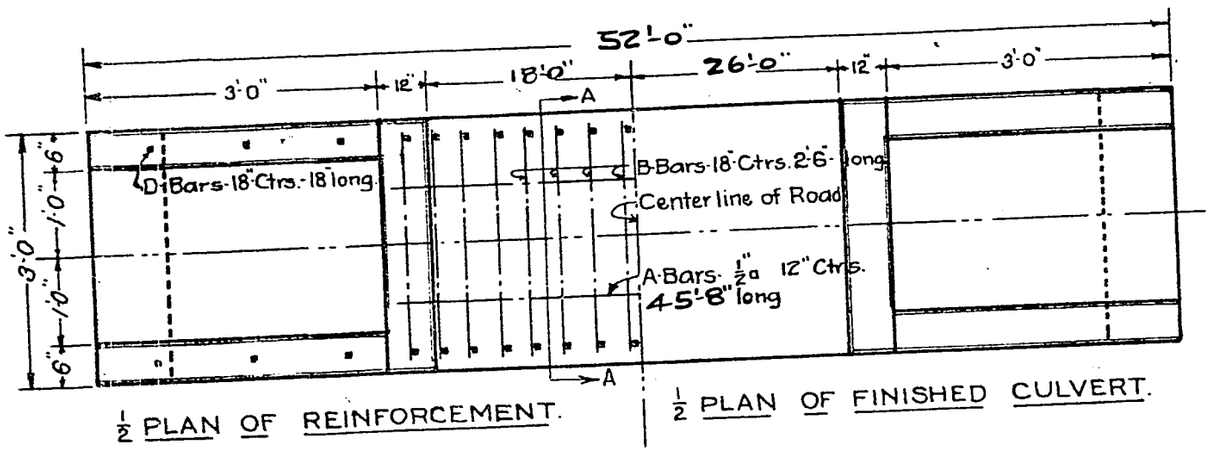
Sta. No of Culv't	Elev of Disc. "D"	Elev of Inlet "I"	Distance of Point "D" above or below Top of Stake. Above	Below	Stk. No.	Elev. Top of Stake
2791+50	524.8	525.3	D is Inlet.	4'-11" 4'-5"	2791	529.68

ROADWAY
SPECIAL 72" x 36" REINFORCED CONCRETE CULVERT
1922 STANDARD
WISCONSIN HIGHWAY COMMISSION
MADISON, WIS. JULY, 1922.
Approved:
A R Hirst
State Highway Engineer

Sta 2791+50

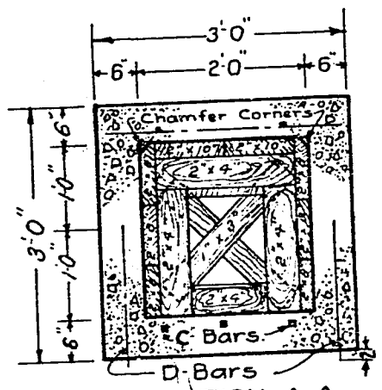
Proj 187-J

Trim



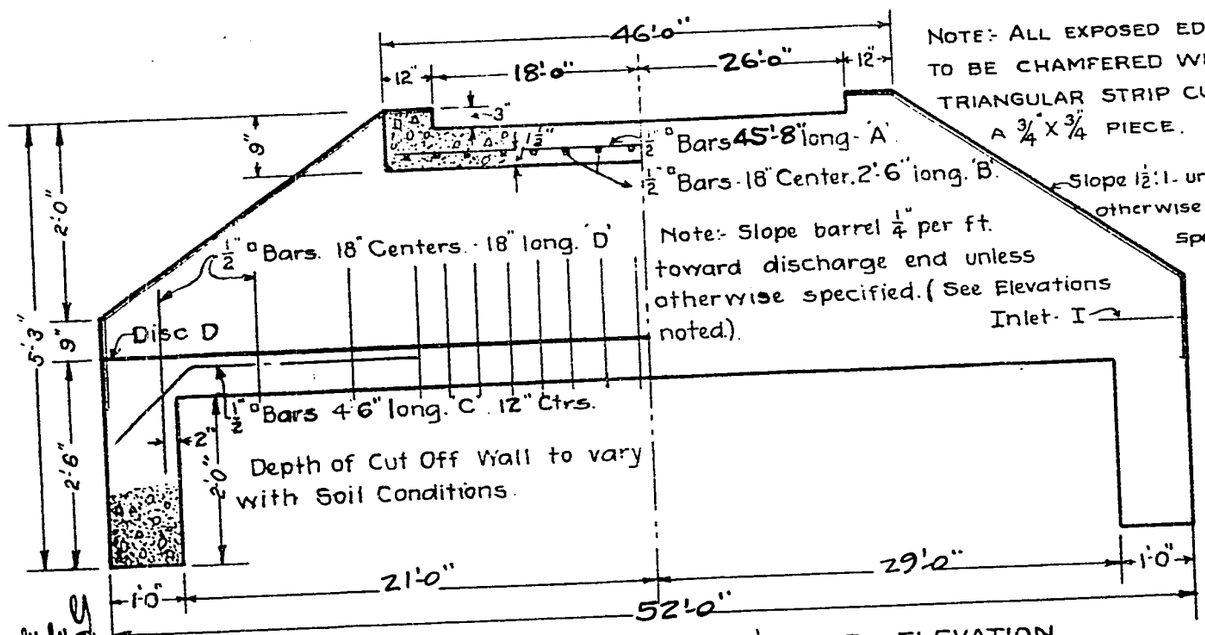
½ PLAN OF REINFORCEMENT.

½ PLAN OF FINISHED CULVERT.



SECTION-A-A.
Showing Forming.

NOTE: DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED



NOTE:- ALL EXPOSED EDGES ARE TO BE CHAMFERED WITH A TRIANGULAR STRIP CUT FROM A ¾" X ¾" PIECE.

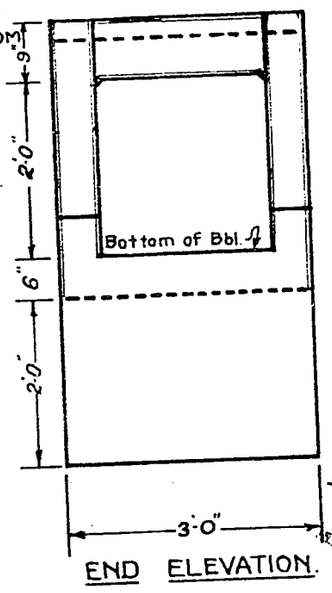
Slope 1½:1- unless otherwise specified.

Note:- Slope barrel ¼" per ft. toward discharge end unless otherwise specified. (See Elevations noted).

Inlet- I

½ TRANSVERSE SECTION ON ℄

½ SIDE ELEVATION.



END ELEVATION.

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A-Bars		B-Bars.		C-Bars.		D-Bars		Total
No.	Length	No.	Length	No.	Length	No.	Length	Steel
8	23'-8	62	2'-6"	12	4'-6"	148	1'-6"	526

STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12" O.C 23'-8 No.	B-Bars 18"-O.C. 2'-6" lg. No.	C-Bars 12" O.C. 4'-6 lg. No.	D-Bars 18"-O.C 1'-6 lg. No.	No. Lbs. of Steel	Total Cu. Yds. Conc.	Cem't Req'd. Bbls.	Sand Req'd Cu. Yds.	Stone Req'd Cu. Yds.
328H+74	31	6	74	263	9.75	14.7	4.1	8.2	
336H+85 4	31	6	74	263	9.75	14.7	4.1	8.2	

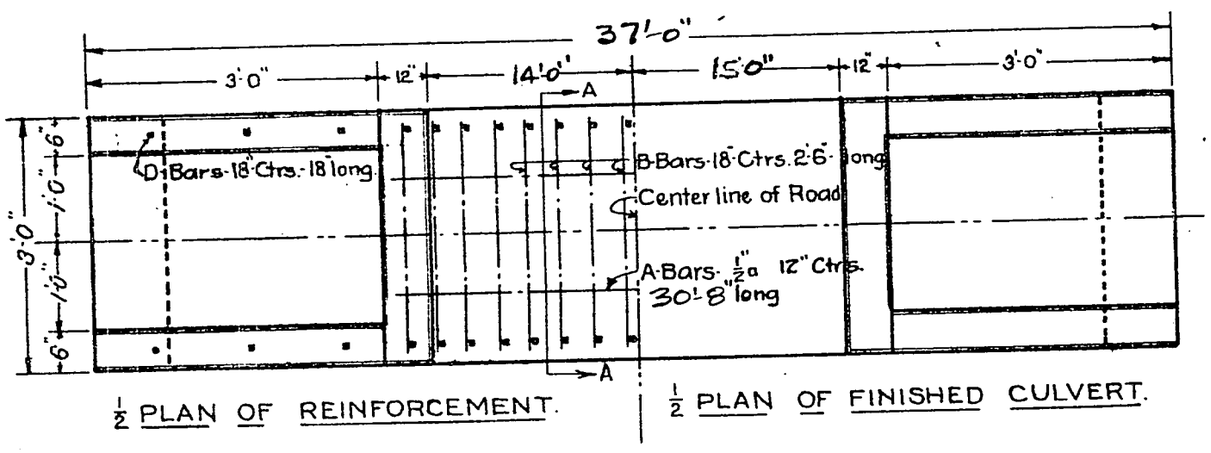
INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake. Above	Below	Stk. No.	Elev. Top of Stake.
328H+07	562.7	563.1	Dis Inlet	1'-7" 1'-2"	328H	564.28
336H+85	596.5	604.0	Dis Inlet	5'-11" 1'-7"	337H	602.40

~~APPLICATION~~ NO.
44 ROADWAY.

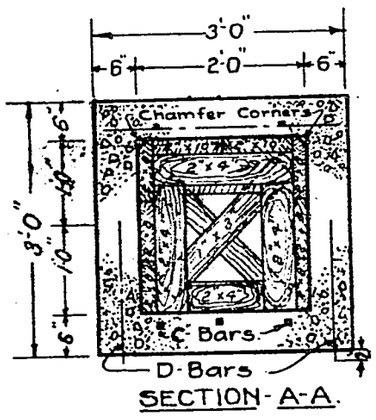
SPECIAL 24"X24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION.
MADISON, WIS.: DEC. 1921.
Approved:-
A R Hirst
State Highway Engineer.
12-20-21.

Proj 187-K



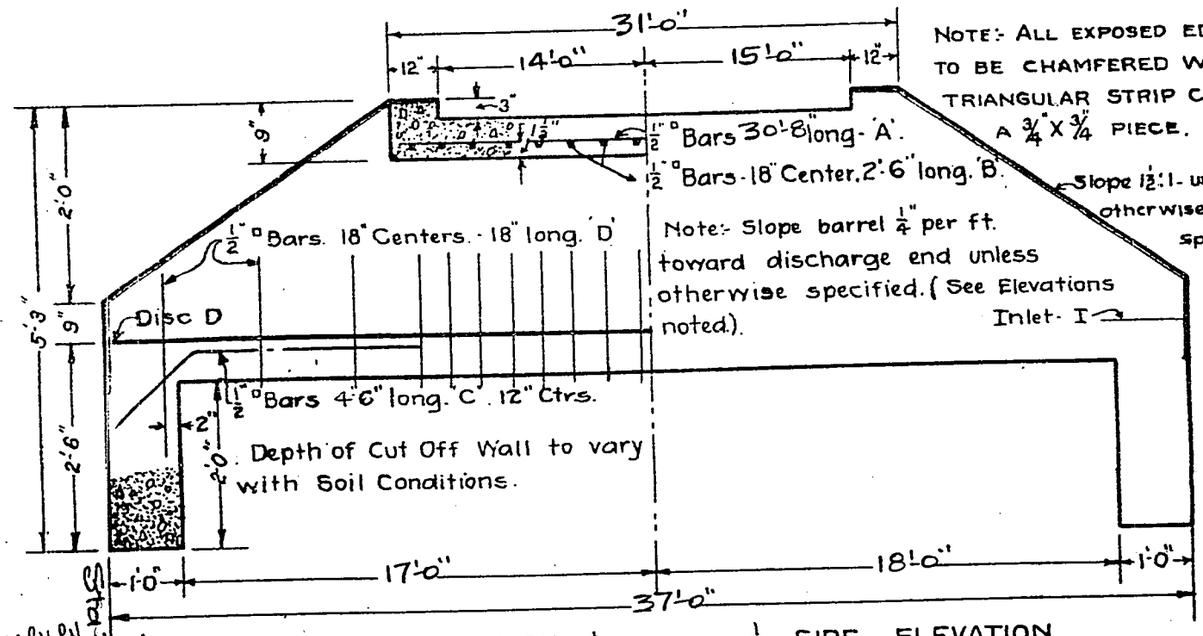
½ PLAN OF REINFORCEMENT.

½ PLAN OF FINISHED CULVERT.



SECTION-A-A.
Showing Forming.

NOTE: DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED



NOTE:- ALL EXPOSED EDGES ARE TO BE CHAMFERED WITH A TRIANGULAR STRIP CUT FROM A ¾" X ¾" PIECE.

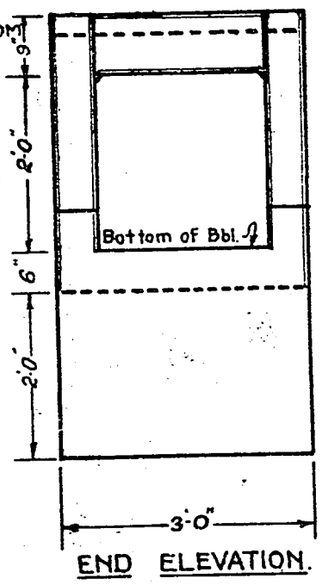
Slope 1½:1- unless otherwise specified.

Note:- Slope barrel ¼" per ft. toward discharge end unless otherwise specified. (See Elevations noted).

Inlet- I

½ TRANSVERSE SECTION ON ℄

½ SIDE ELEVATION.



END ELEVATION.

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A-Bars		B-Bars.		C-Bars.		D-Bars.		Total
No.	Length	No.	Length	No.	Length	No.	Length	Steel
~~8~~	16'-2"	~~42~~	2'-6"	12	4'-6"	~~108~~	1'-6"	382
8	16'-2"	42	2'-6	12	4'-6	108	1'-6	382

STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12" O.C 16'-2" No.	B-Bars 18"-O.C. 2'-6" lg. No.	C-Bars 12" O.C. 4'-6 lg. No.	D-Bars 18"-O.C 1'-6 lg. No.	No. Lbs. of Steel	Total Cu. Yds. Conc.	Cem't Req'd. Bbls.	Sand Req'd Cu. Yds.	Stone Req'd Cu. Yds.
~~302H+0~~	~~4~~	~~21~~	~~6~~	~~54~~	~~191~~	~~6.97~~	~~10.5~~	~~3.0~~	~~6.0~~
366F+25	4	21	6	54	191	6.97	10.5	3.0	6.0
376F+50	4	21	6	54	191	6.97	10.5	3.0	6.0
23M+0	4	21	6	54	191	6.97	10.5	3.0	6.0
640+0	4	21	6	54	191	6.97	10.5	3.0	6.0

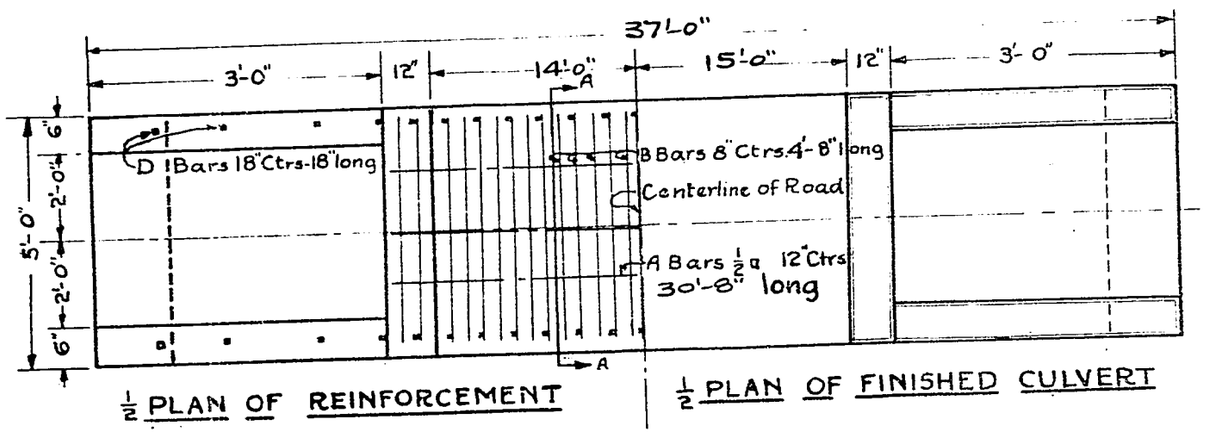
INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake. Above	Below	Stk. No.	Elev. Top of Stake.
~~302H+0~~	~~524.5~~	~~524.0~~	Dis Inlet	~~2'-6"~~ 2'-5"	~~302H~~	~~527.17~~
366H+25	631.6	632.0	Dis Inlet	3'-3" 2'-10"	366F	634.85
376F+50	600.1	602.4	Dis Inlet	3'-8" 3'-5"	376F	605.85
23M+0	306.4	307.0				
640+0	30.0	30.3		2.02'	640	

~~APPLICATION~~ NO.
29' ROADWAY.

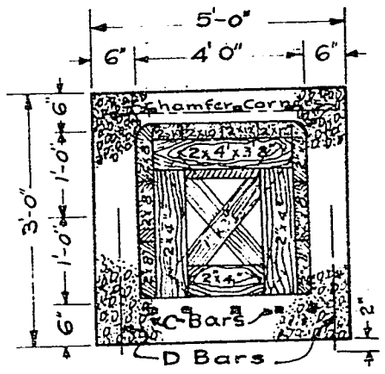
SPECIAL 24"X24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION.
MADISON, WIS.: DEC. 1921.
Approved:-
A R Hirst
State Highway Engineer.
12-20-21.

Proj 187-L



½ PLAN OF REINFORCEMENT

½ PLAN OF FINISHED CULVERT



SECTION A-A

Showing Forming

Note: Do not Scale this Drawing All Dimensions Are Marked

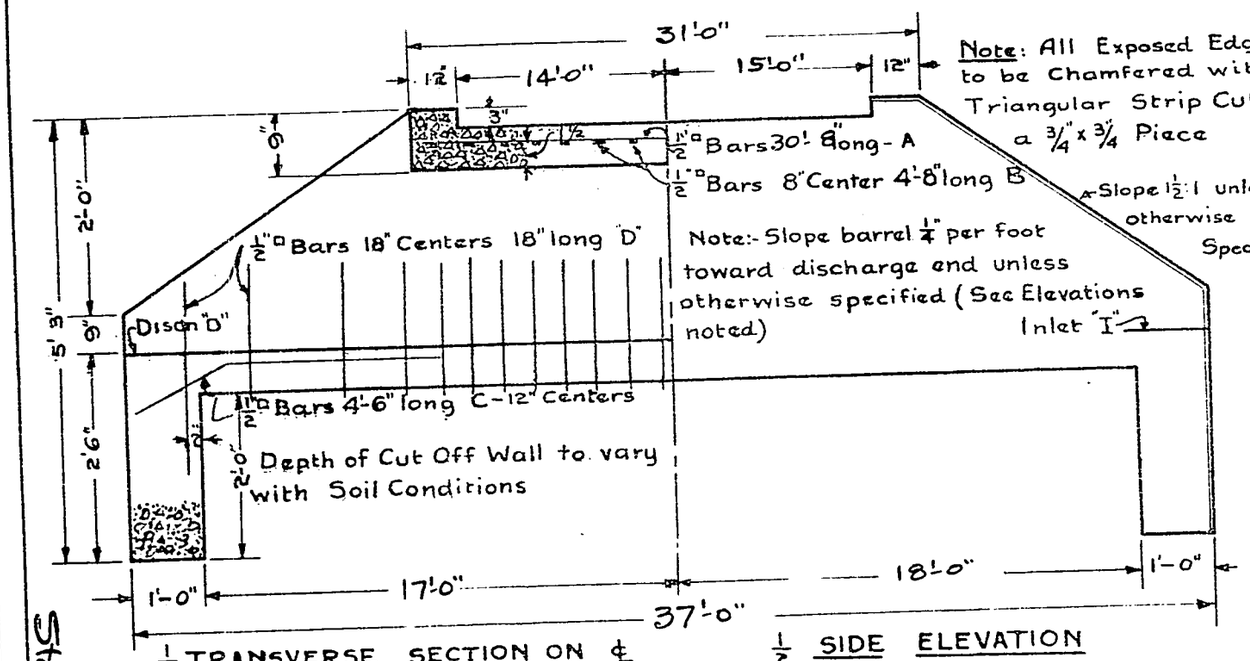
CUT OUT AND MAIL WITH ORDER FOR STEEL

Total Steel required for Culverts Listed Below

A Bars		B Bars		C Bars		D Bars		Total
No	Length	No	Length	No	Length	No	Length	Steel
6	16'-2"	46	4'-8"	10	4'-6"	54	1'-6"	371

STEEL - ½" SQ BARS CONCRETE 1:2:4 MIX

Sta No of Culv.	A Bar 12" o.c 16'-2 No	B Bar 8" o.c 4'-8" lg. No.	C Bar 12" o.c 4'6" long No.	D Bar 18 o.c. 1'6" lg. No.	No Lbs. of Steel	Total Cu Yds. Conc	Cem't Req'd Bbls.	Sand Req'd Cu Yds	Stone Req'd Cu Yds.
403H+60	6	46	10	54	371	9.87	14.7	4.1	8.2



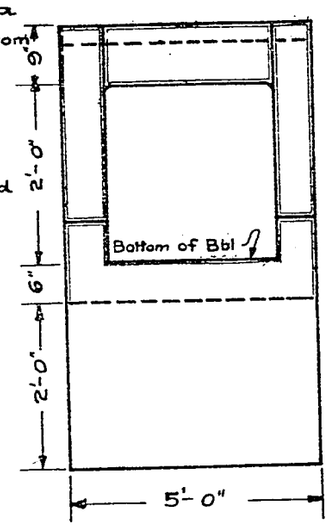
Note: All Exposed Edges are to be Chamfered with a Triangular Strip Cut from a ¾" x ¾" Piece

Slope 1½:1 unless otherwise Specified

Note:- Slope barrel ¼" per foot toward discharge end unless otherwise specified (See Elevations noted)

½ TRANSVERSE SECTION ON ℄

½ SIDE ELEVATION



END ELEVATION

INFORMATION REQUIRED TO STAKE OUT CULVERTS

Sta. No. of Culv't	Elev. of Disch "D"	Elev. of Inlet "I"	Distance of Point "D" above or below Top of Stake			Elev. Top of Stake
			Above	Below	Stk No	
403H+60	573.0	573.25	Dis Inlet	3'-1" 2'-10"	404H	576.10

APPLICATION NO.
29. ROADWAY

Special 48"x24" Reinforced Conc. Culv't
WISCONSIN HIGHWAY COMMISSION
MADISON, WIS JAN 1922

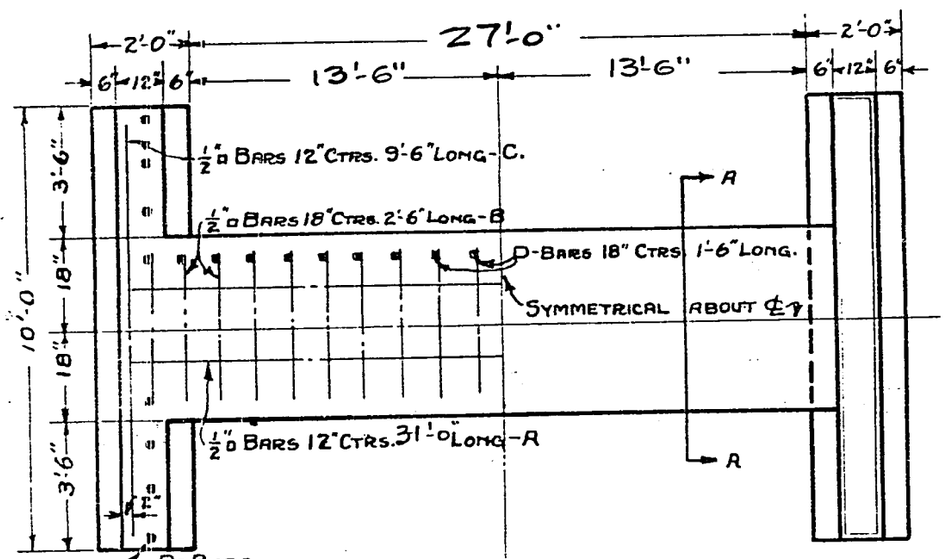
Approved: A R Hirst
State Highway Engineer

Sta 403H+60

Proj 187-N.

CUT OUT AND MAIL WITH ORDER FOR STEEL
TOTAL STEEL REQ'D FOR CULVERTS LISTED BELOW

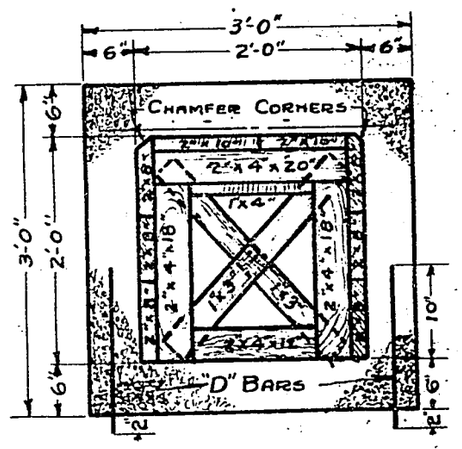
"A" BARS		"B" BARS		"C" BARS		"D" BARS		TOTAL STEEL
NO.	LEN'G	NO.	LEN'G	NO.	LEN'G	NO	Length	
4	16'-4	20	2'-6"	4	9'-6"	52	1'-6"	196



½ PLAN OF REINFORCEMENT

½ PLAN OF FINISHED CULVERT

Note: All Exposed Edges Are to be Chamfered with a Triangular Strip cut from a ¾" x ¾" Piece.



SECTION AA Showing FORMING

Note: Do Not Scale This Drawing. All Dimensions are Marked.

CUT OUT AND MAIL WITH ORDER FOR STEEL
TOTAL STEEL REQ'D FOR CULVERTS LISTED BELOW

"A" BARS		"B" BARS		"C" BARS		"D" BARS		TOTAL STEEL
NO.	LEN'G	NO.	LEN'G	NO.	LEN'G	NO	Length	
4	16'-4	20	2'-6"	4	9'-6"	52	1'-6"	196

STEEL ½" □ BARS CONCRETE 1:2:4 MIX

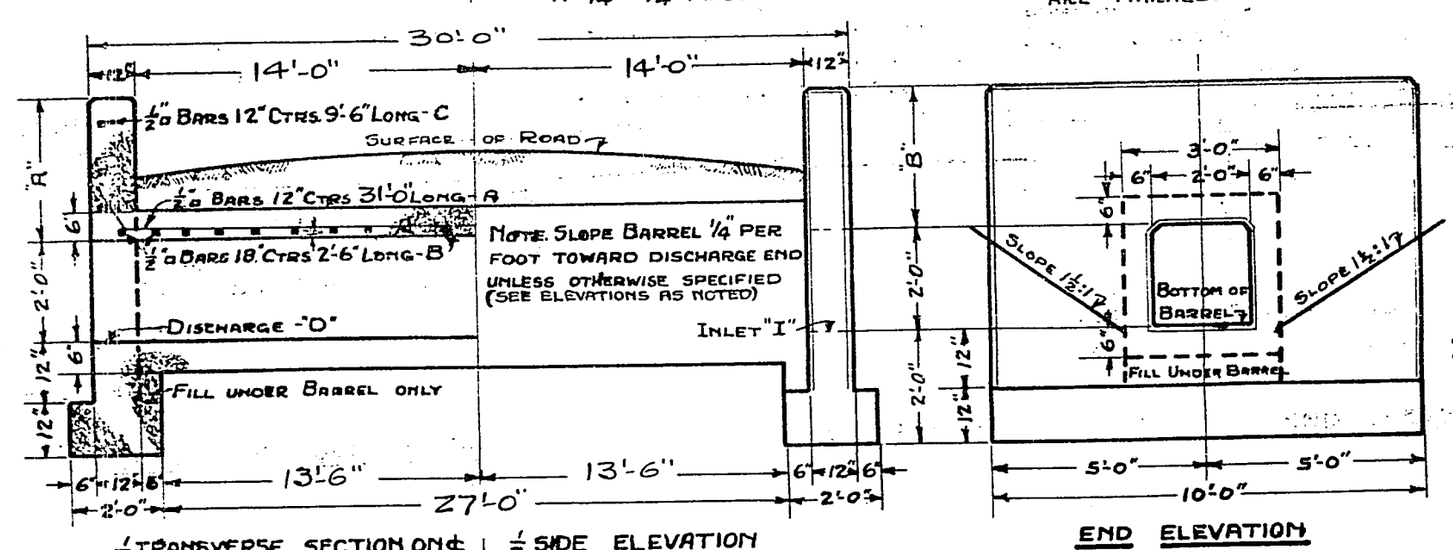
STA. NO. OF CULV.	"A" BAR 12" CTR 16'-4 NO.	"B" BAR 18" CTR 2'-6" NO.	"C" BAR 12" CTR 9'-6" NO.	"D" BAR 18" CTR 1'-6" NO.	NO. LBS. STEEL	TOTAL CONC.	CEMENT REQ'D BBLS.	SAND REQ'D CUBIC YARDS	STONE REQ'D CUBIC YARDS
388H+50	4	20	4	52	196	9.75	14.7	4.1	8.2

INFORMATION REQUIRED TO STAKE OUT CULVERTS.

STA. NO. OF CULV.	ELEV. OF DISC. "D"	ELEV. OF INLET "I"	HEIGHT DISC. ENDWALL "A"	HEIGHT INLET ENDWALL "B"	DISTANCE "D" ABOVE OR BELOW TOP OF STAKE			ELEV. OF STAKE
					ABOVE	BELOW	STAKE NO.	
388H+50	596.5	596.5	1'-6"	1'-6"	Dis Inlet	3'-0 3'-0	388H	598.55

See Grade Sheet for Distances from Stake to Centerline New Road

28' ROADWAY



½ TRANSVERSE SECTION ON ℄

½ SIDE ELEVATION

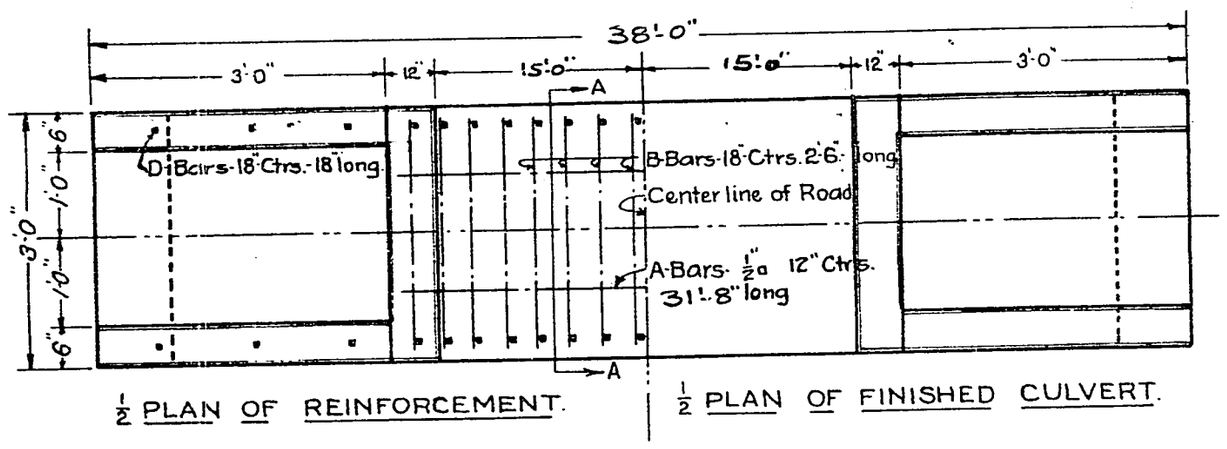
END ELEVATION

Sta 388H+50

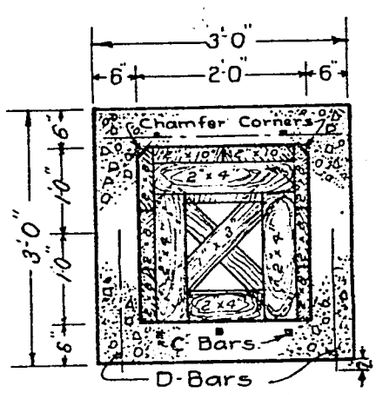
STANDARD 24"x24" REINFORCED CONCRETE CULVERT
WISCONSIN HIGHWAY COMMISSION
MADISON. WIS. SEPT. 1921

APPROVED: A R Hirst
STATE HIGHWAY ENGINEER

Proj 187-M



½ PLAN OF REINFORCEMENT. ½ PLAN OF FINISHED CULVERT.



SECTION-A-A. Showing Forming.

NOTE:- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A-Bars		B-Bars.		C-Bars.		D-Bars		Total
No.	Length	No.	Length	No.	Length	No.	Length	Steel
4	16'-8	22	2'-6"	6	4'-6"	56	1'-6"	197
4	16'-8	22	2'-6	6	4'-6	56	1'-6	197

STEEL - ½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12"O.C 16'-8 No.	B-Bars 18"O.C. 2'6" lg. No.	C-Bars 12"O.C. 4'6 lg. No.	D-Bars 18"O.C 1'-6 lg. No.	No. Lbs. of Steel.	Total Cu. Yds. Conc.	Cem't Req'd. Bbls.	Sand Req'd Cu. Yds.	Stone Req'd Cu. Yds.
415H+0	4	22	6	56	197	7.16	10.8	3.0	6.0
608+30	4	2	6	56	197	7.16	10.8	3.0	6.0

INFORMATION REQUIRED TO STAKE OUT CULVERTS.

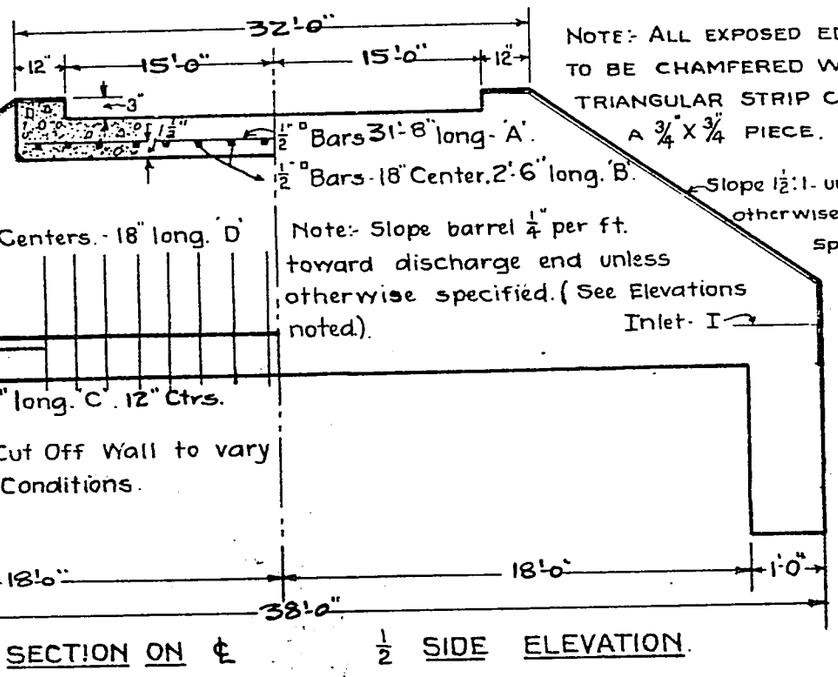
Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake. Above	Below	Stk. No.	Elev. Top of Stake.
415H+0	5980	5985	Dis Inl.	2'-5" 1'-11"	415H	60043
608+30	45.0	45.3		3.2	608	

APPLICATION NO.
ROADWAY.

SPECIAL 24"X24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION.
MADISON, WIS.: DEC. 1921.

Approved:-
A R Hirst
State Highway Engineer.

12-20-21.



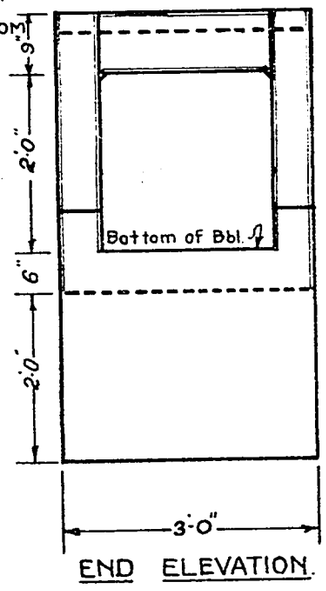
½ TRANSVERSE SECTION ON ℄ ½ SIDE ELEVATION.

NOTE:- ALL EXPOSED EDGES ARE TO BE CHAMFERED WITH A TRIANGULAR STRIP CUT FROM A ¾" X ¾" PIECE.

Slope 1½:1- unless otherwise specified.

Note:- Slope barrel ¼" per ft. toward discharge end unless otherwise specified. (See Elevations noted).

Inlet- I



END ELEVATION.

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A-Bars		B-Bars		C-Bars		D-Bars		E-Bars	Total
No.	Length	No.	Length	No.	Length	No.	Length	No. Length	Steel
4	16'-6"	21	2'-6	2	9'-6"	54	1'-6"	34'-6"	199
							1'-6"		

STEEL - ½" SQ. BARS CONCRETE-1:2:4 MIX

Sta No. of Culv't	A-Bars 12"O.C 16'-6"lg No	B-Bars 18"O.C 2'-6"lg No	C-Bars 12"O.C 9'-6"lg No	D-Bars 18"O.C 1'-6"lg No	E-Bars 12"O.C 4'-6"lg No	No. Lbs. of Steel	Total Cu. Yds Conc.	Cem't Req'd Bbl.	Sand Req'd Cu. Yds	Stone Req'd Cu Yds
447H+0	4	21	2	54	3	199	8.64	12.9	3.6	7.2

INFORMATION REQUIRED TO STAKE OUT CULVERT

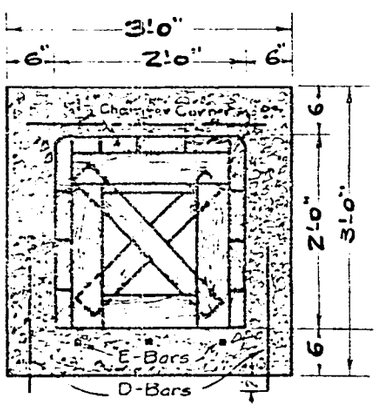
Sta. No of Culv't	Elev of Disch. "D"	Elev of Inlet "I"	Height Inlet Endwall "A"	Distance of Point "D" above or below Top of Stake Above	Below	Stk No	Elev Top of Stake
447H+0	6045	6052.5	2'-0"	Dis Inlet	5'-11" 5'-2"	447H	610.39

See Grade Sheet For Distances from Stake to Centerline of New Road

Proj NO. 187
29 ROADWAY

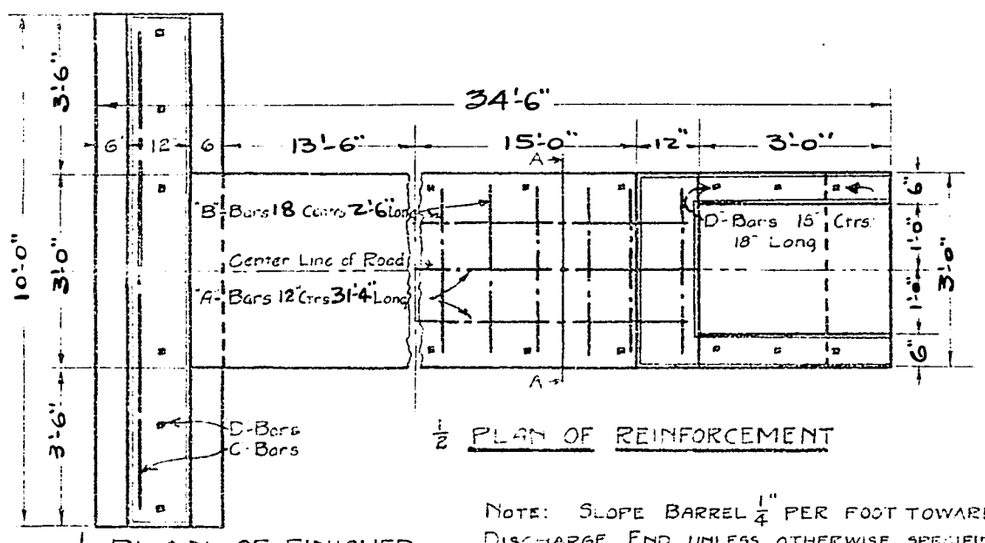
SPECIAL 24"X24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION
MADISON, WIS. FEB. 1922.

Approved:
A R Hirst
State Highway Engineer



SECTION-A-A
Showing Forming

NOTE: DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED.

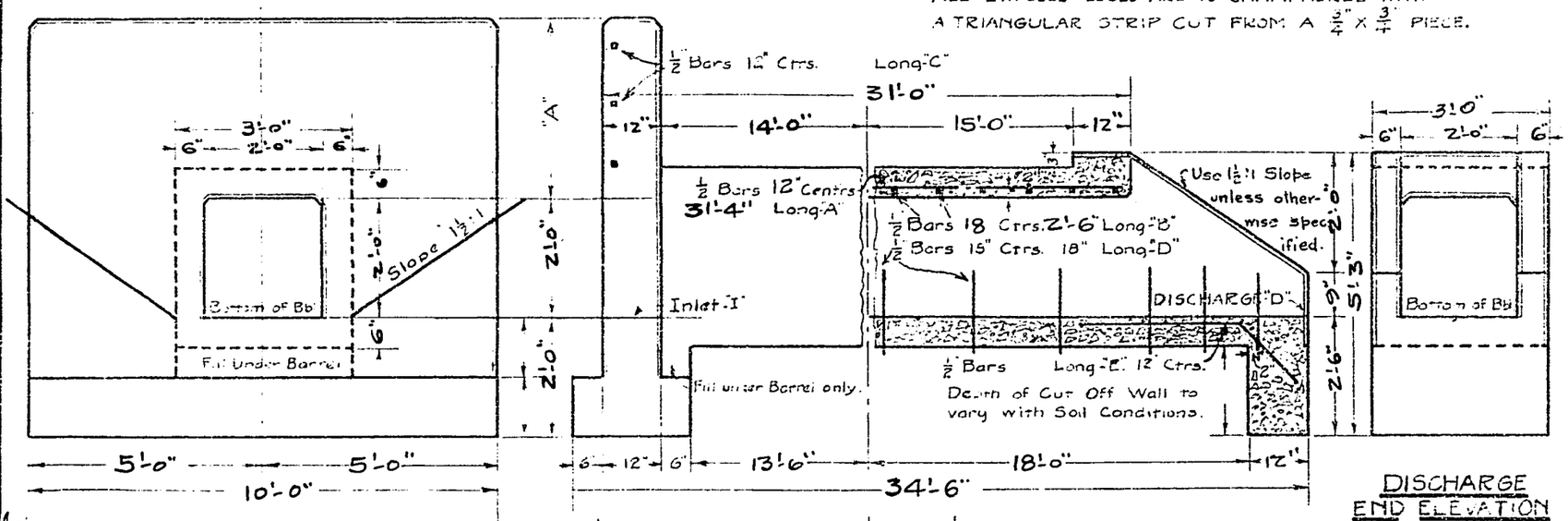


½ PLAN OF FINISHED CULVERT

½ PLAN OF REINFORCEMENT

NOTE: SLOPE BARREL ¼" PER FOOT TOWARD DISCHARGE END UNLESS OTHERWISE SPECIFIED. (SEE ELEVATIONS AS NOTED)

ALL EXPOSED EDGES ARE TO CHAMPHERED WITH A TRIANGULAR STRIP CUT FROM A ¾" X ¾" PIECE.



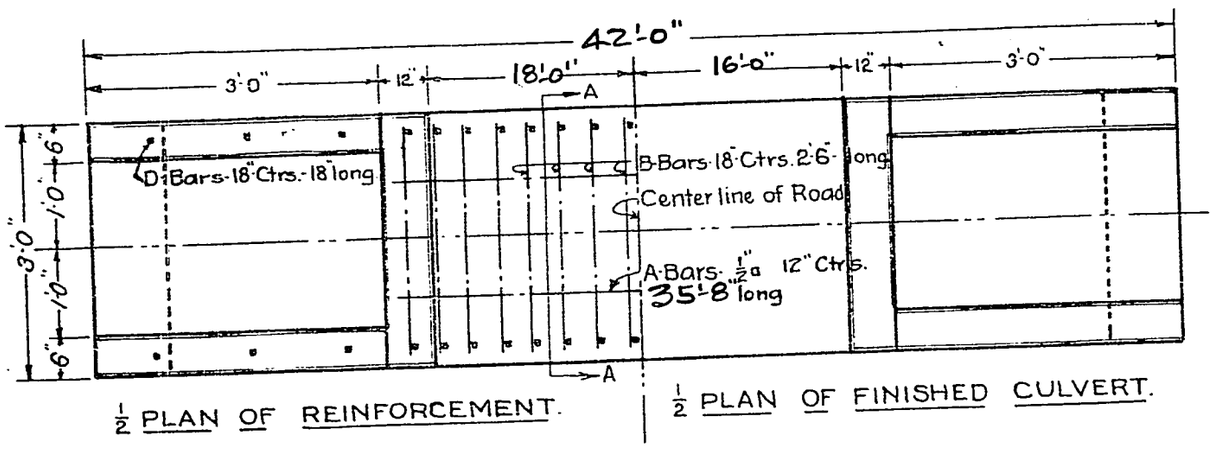
INLET END ELEVATION ½ SIDE ELEVATION ½ TRANSVERSE SECTION ON ℄ DISCHARGE END ELEVATION

Proj 187-0

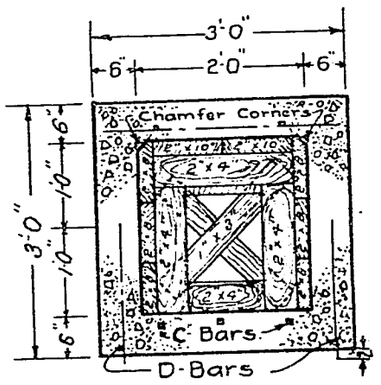
Sta 415H+0
608+30

Proj 187-P

Sta 447H+0



½ PLAN OF REINFORCEMENT. ½ PLAN OF FINISHED CULVERT.



SECTION-A-A.
Showing Forming.

NOTE:- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A-Bars		B-Bars.		C-Bars.		D-Bars		Total
No.	Length.	No.	Length.	No.	Length.	No.	Length	Steel
4	18'-8	24	2'-6"	6	4'-6"	60	1'-6"	213

STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12" O.C 18'-8" No.	B-Bars 18" O.C. 2'-6" lg. No.	C-Bars 12" O.C. 4'-6" lg. No.	D-Bars 18" O.C. 1'-6" lg. No.	No. Lbs. of Steel.	Total Cu. Yds. Conc.	Cem't. Req'd. Bbls.	Sand Req'd. Cu. Yds.	Stone Req'd Cu. Yds.
384F +0	4	24	6	60	213	7.90	11.9	33	66

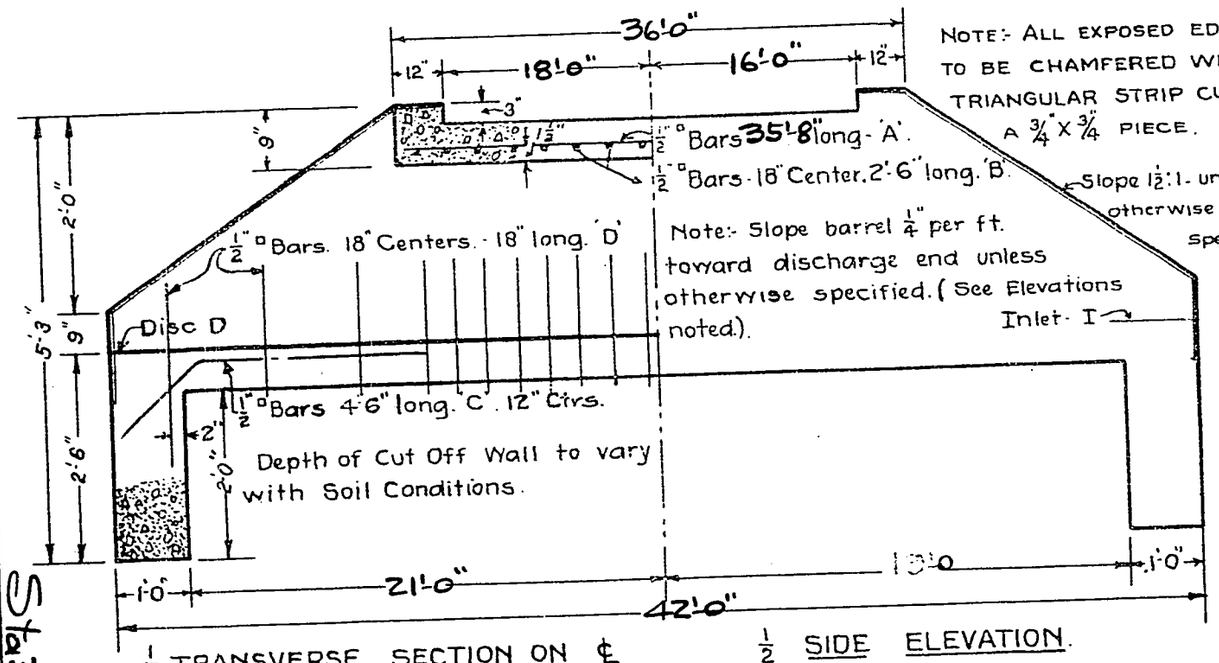
INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake. Above	Below	Stk. No.	Elev. Top of Stake.
384F+0	614.6	614.9	Disc	0'-10"	384F	615.42
			Inlet	0'-7"		

APPLICATION NO.
34-ROADWAY.

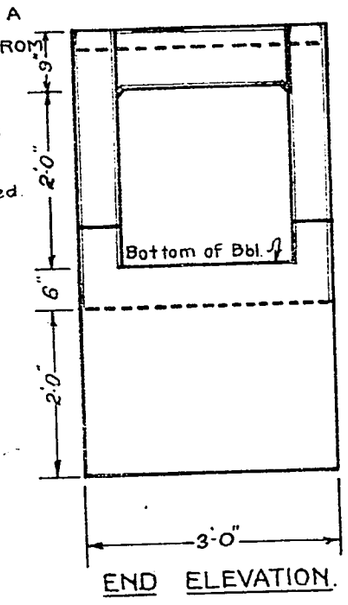
SPECIAL 24"X24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION.
MADISON, WIS.: DEC. 1921.
Approved:-
A.R. Hirst
State Highway Engineer.
12-20-21.

Proj 187-G



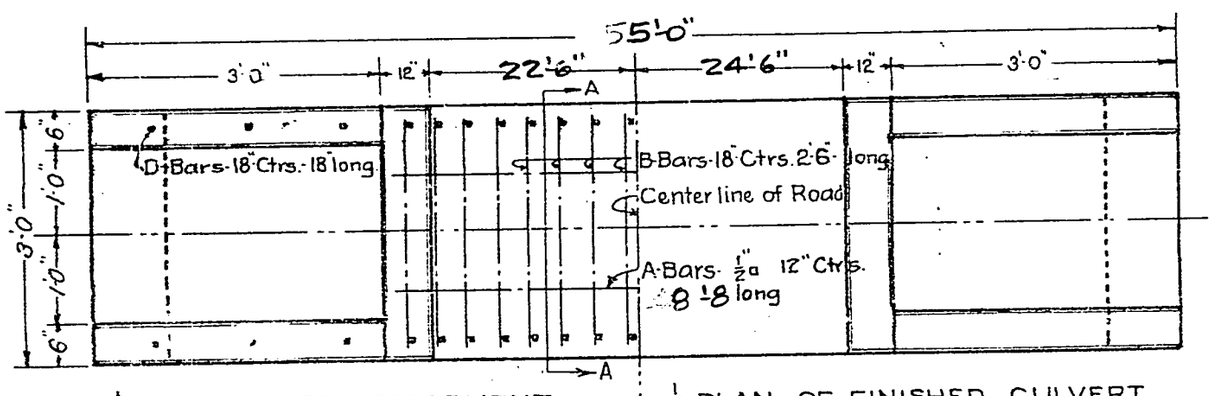
½ TRANSVERSE SECTION ON ℄ ½ SIDE ELEVATION.

Sta 384 F+0

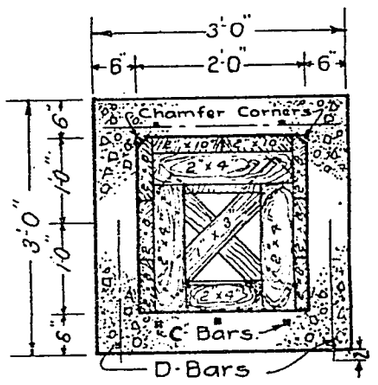


END ELEVATION.

NOTE:- ALL EXPOSED EDGES ARE TO BE CHAMFERED WITH A TRIANGULAR STRIP CUT FROM A ¾"X¾" PIECE.



½ PLAN OF REINFORCEMENT. ½ PLAN OF FINISHED CULVERT.



SECTION-A-A.
Showing Forming.

NOTE:- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A-Bars		B-Bars.		C-Bars.		D-Bars		Total
No.	Length.	No.	Length.	No.	Length.	No.	Length	Steel
4	25'-2	33	2'-6"	6	4'-6"	78	1'-6"	278

STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

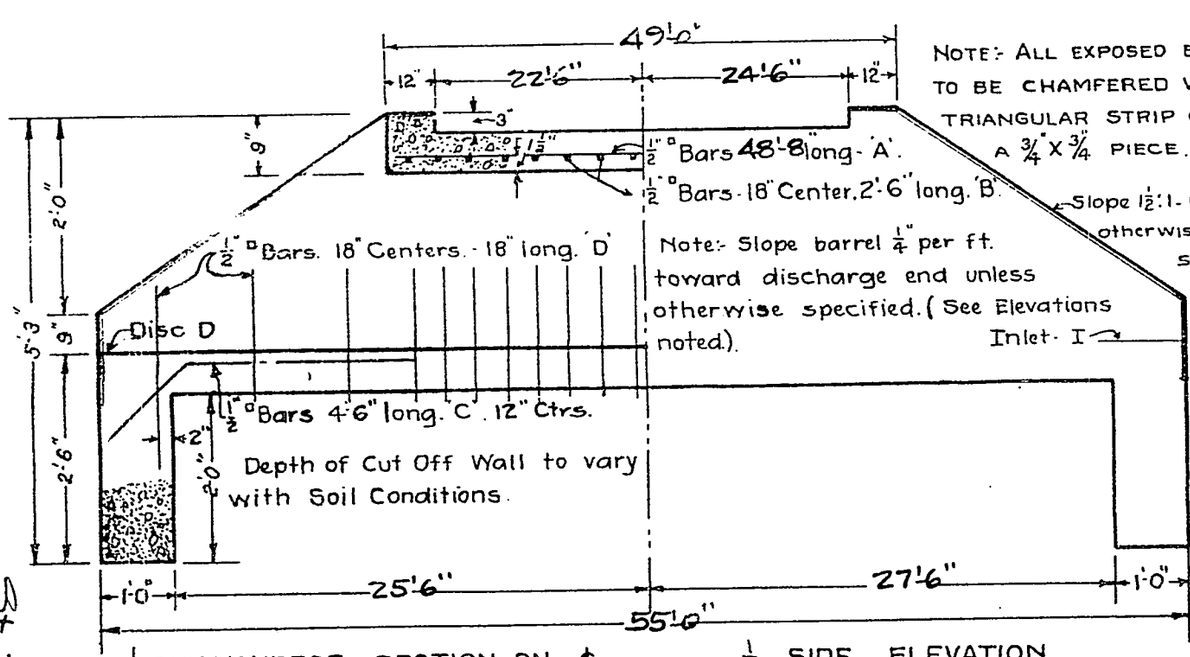
Sta. No. of Culv't.	A-Bars 12" O.C 25'-2" No.	B-Bars 18"-O.C. 2'-6" lg. No.	C-Bars 12" O.C. 4'-6" lg. No.	D-Bars 18" O.C. 1'-6" lg. No.	No. Lbs. of Steel.	Total Cu. Yds. Conc.	Cem't. Req'd. Bbls.	Sand Req'd. Cu. Yds.	Stone Req'd Cu. Yds.
392F +75	4	33	6	78	278	10.3	15.5	4.3	8.6

INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake. Above	Below	Stk. No.	Elev. Top of Stake.
392F+75	625.0	627.3	Disc	5'-3½"	393F	630.30
			Inlet	3'-0"		

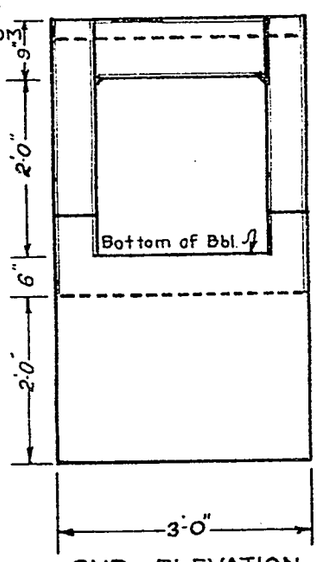
APPLICATION NO.
47'-0 ROADWAY.

SPECIAL 24"X24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION.
MADISON, WIS.: DEC. 1921.
Approved:-
A.R. Hirst
State Highway Engineer.
12-20-21.



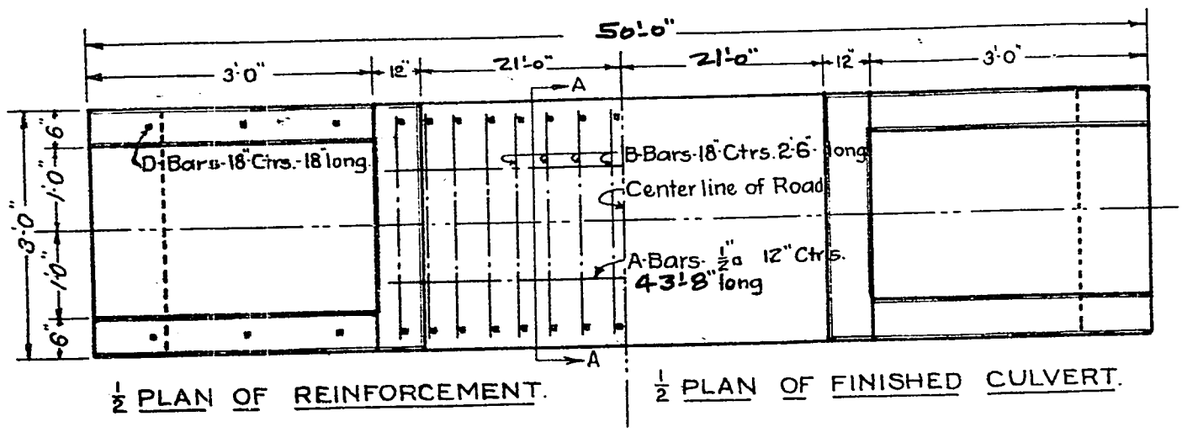
½ TRANSVERSE SECTION ON ℄ ½ SIDE ELEVATION.

Sta 392F+75

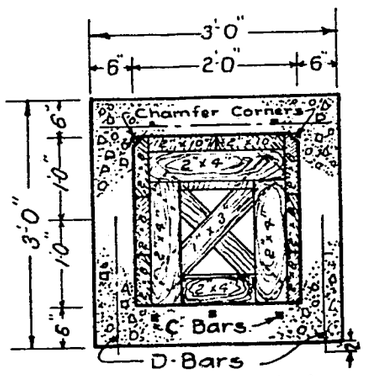


END ELEVATION.

Proj 187-B



½ PLAN OF REINFORCEMENT. ½ PLAN OF FINISHED CULVERT.



SECTION-A-A.
Showing Forming.

NOTE:- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

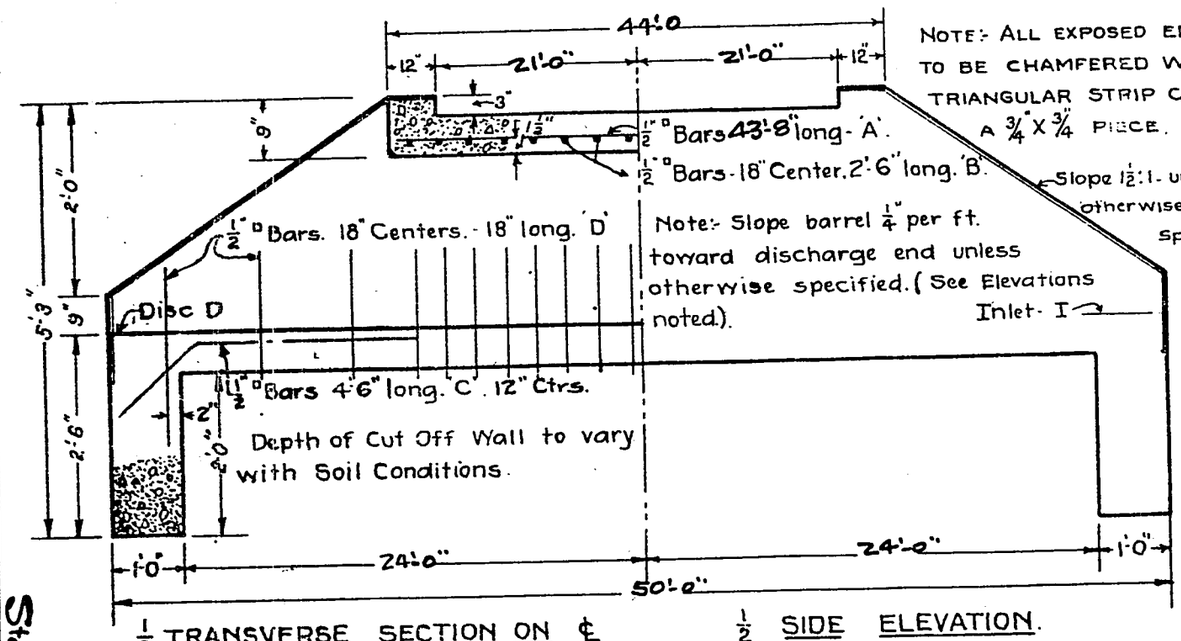
A-Bars		B-Bars		C-Bars		D-Bars		Total
No.	Length	No.	Length	No.	Length	No.	Length	Steel
4	22'8	30	2'-6"	6	4'-6"	72	1'-6"	255

STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12"O.C 22'8" No.	B-Bars 18"O.C. 2'6" lg. No.	C-Bars 12"OC 4'6" lg. No	D-Bars 18"O.C 1'6" lg. No.	No. Lbs. of Steel	Total Cu. Yds Conc	Cem't. Req'd. Bbls.	Sand Req'd Cu. Yds.	Stone Req'd Cu. Yds.
220+40	4	30	6	72	255	9.38	14.1	39	78

INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake. Above	Below	Stk. No.	Elev. Top of Stake.
220+40	498.4	498.8				



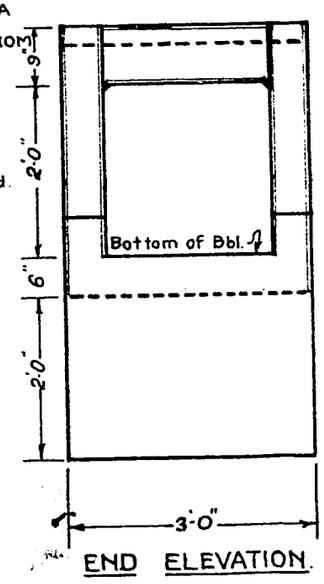
½ TRANSVERSE SECTION ON ℄ ½ SIDE ELEVATION.

NOTE:- ALL EXPOSED EDGES ARE TO BE CHAMFERED WITH A TRIANGULAR STRIP CUT FROM A ¾"X¾" PIECE.

Slope 1½:1- unless otherwise specified.

Note:- Slope barrel ¼" per ft. toward discharge end unless otherwise specified. (See Elevations noted).

Inlet- I

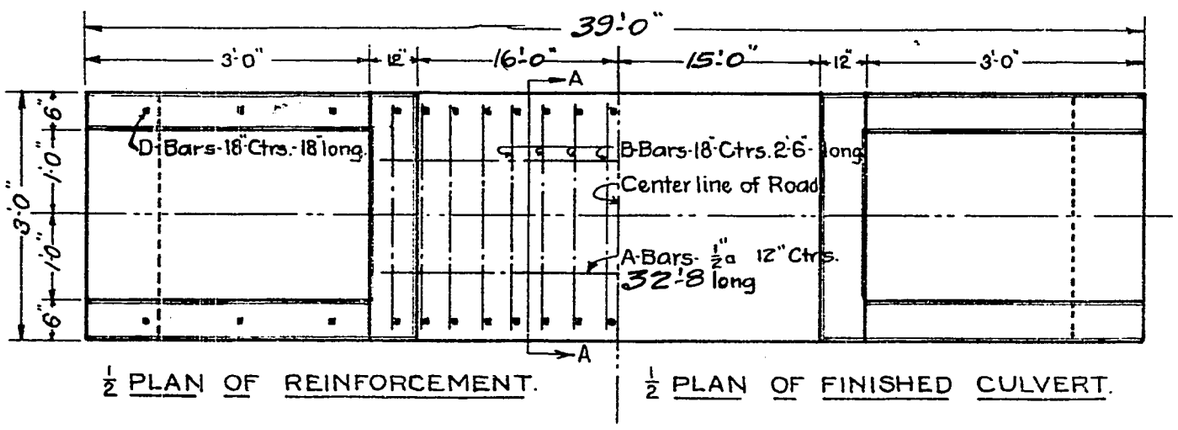


END ELEVATION.

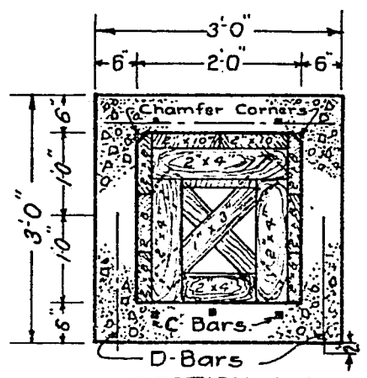
Proj NO. 187
42 ROADWAY.

SPECIAL 24"X24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION.
MADISON, WIS.: DEC. 1921.
Approved:-
A R Hirst
State Highway Engineer. 12-20-21.

Proj 187-V



½ PLAN OF REINFORCEMENT. ½ PLAN OF FINISHED CULVERT.



SECTION-A-A.
Showing Forming.

NOTE:- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A-Bars		B-Bars		C-Bars		D-Bars		Total
No.	Length	No.	Length	No.	Length	No.	Length	Steel
4	17'2	22	2'-6"	6	4'-6"	56	1'-6"	199.

STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12"O.C. 17'2" No.	B-Bars 18"O.C. 2'6" lg. No.	C-Bars 12"OC 4'6" lg No.	D-Bars 18"O.C 1'6" lg. No.	No. Lbs. of Steel	Total Cu. Yds. Conc	Cem't. Req'd. Bbls.	Sand Req'd Cu. Yds.	Stone Req'd Cu. Yds.
599+50	4	22	6	56	199	7.34	11.0	3.1	6.2

INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake. Above	Below	Stk. No.	Elev. Top of Stake.
599+50	34.8	35.8		0.5	599	

½ TRANSVERSE SECTION ON ℄ ½ SIDE ELEVATION.

NOTE:- ALL EXPOSED EDGES ARE TO BE CHAMFERED WITH A TRIANGULAR STRIP CUT FROM A ¾"X¾" PIECE.

Slope 1½:1- unless otherwise specified.

Note:- Slope barrel ¼" per ft. toward discharge end unless otherwise specified. (See Elevations noted).

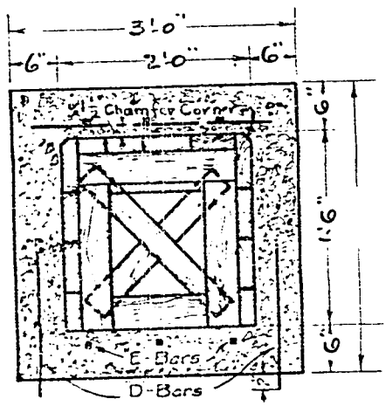
Inlet- I

END ELEVATION.

Proj NO. 187
31 ROADWAY.

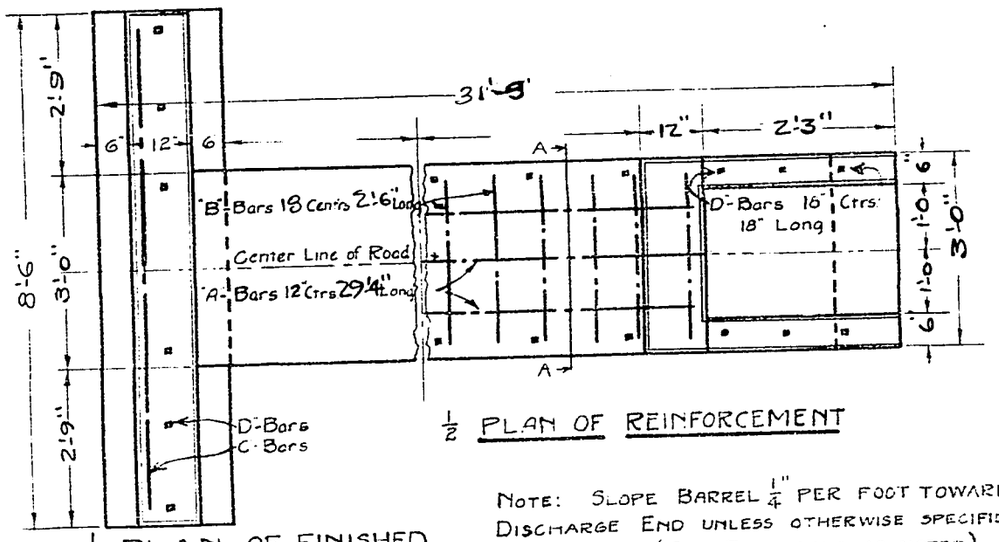
SPECIAL 24"X24" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION.
MADISON, WIS.: DEC. 1921.
Approved:-
A R Hirst
State Highway Engineer. 12-20-21.

Proj 187-W.



SECTION-A-A
Showing Forming

NOTE: DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED.



½ PLAN OF FINISHED CULVERT

½ PLAN OF REINFORCEMENT

NOTE: SLOPE BARREL $\frac{1}{4}$" PER FOOT TOWARD DISCHARGE END UNLESS OTHERWISE SPECIFIED. (SEE ELEVATIONS AS NOTED)

ALL EXPOSED EDGES ARE TO CHAMPHERED WITH A TRIANGULAR STRIP CUT FROM A $\frac{3}{4}$" x $\frac{3}{4}$" PIECE.

CUT OUT AND MAIL WITH ORDER FOR STEEL
Total Steel required for Culverts listed below

A-Bars		B-Bars		C-Bars		D-Bars		E-Bars		Total
No	Length	No	Length	No	Length	No	Length	No	Length	Steel
2	15'-2"	20	2'-6"	2	8'-0"	52	1'-6"	3	3'-3½"	184
							1'-6"			

STEEL – $\frac{1}{2}$" SQ. BARS CONCRETE-1:2:4 MIX

Sta No. of Culv't	A-Bars 12" O.C 15'-2" lg No.	B Bars 18" O.C 2'-6" lg No	C-Bars 12" O.C 8'-0" lg No	D-Bars 18" O.C 1'-6" lg No.	E-Bars 12" O.C 3'-9½" lg No	No. Lbs. of Steel	Total Cu. Yds Conc.	Cemt Req'd Bbl.	Sand Req'd Cu. Yds	Stone Req'd Cu Yds
51g+0	2	20	2	52	3	184	6.97	10.5	3.0	6.0

INFORMATION REQUIRED TO STAKE OUT CULVERT

Sta. No of Culv't	Elev. of Disch. "D"	Elev. of Inlet "I"	Height Inlet Endwall "A"	Distance of Point "D" above or below Top of Stake			Elev. Top of Stake
				Above	Below	Stk No	
51g+0			1'-6"				

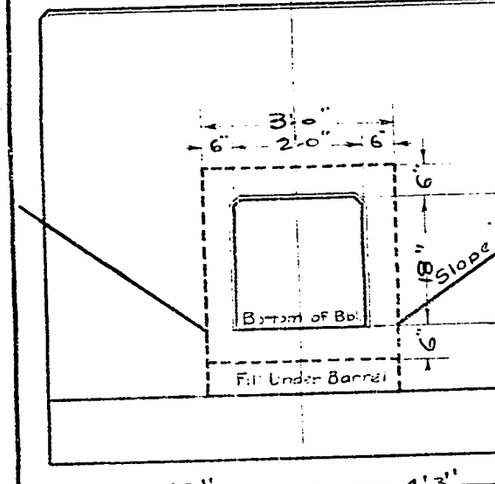
See Grade Sheet for Distances from Stake to Centerline of New Road

Proj NO. 187.
27 ROADWAY

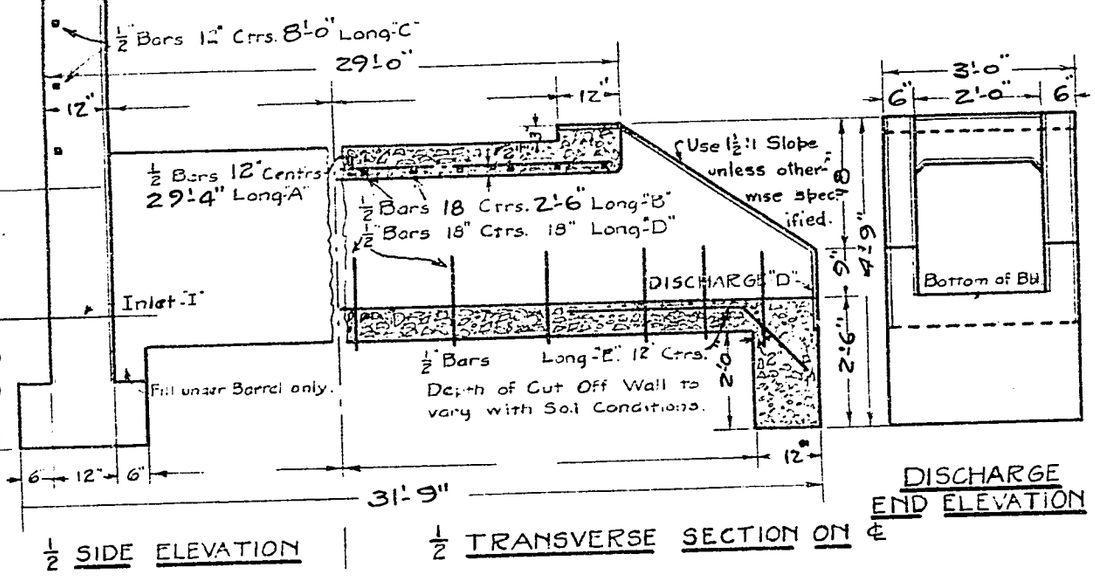
SPECIAL 24"x18" REINFORCED CONC. CULV'T.
WISCONSIN HIGHWAY COMMISSION
MADISON, WIS. FEB. 1922.

Approved:
A R Hirst
State Highway Engineer

Proj 187-X. Rev



INLET END ELEVATION



½ SIDE ELEVATION

½ TRANSVERSE SECTION ON ℄

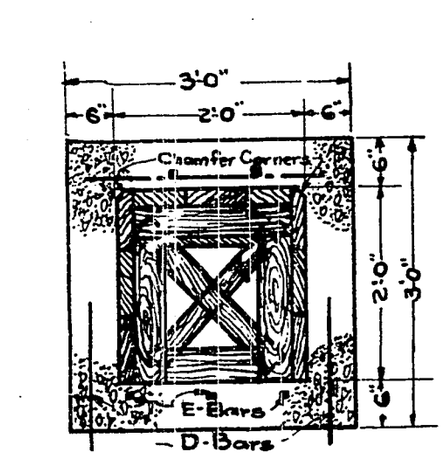
CUT OUT AND MAIL WITH YOUR ORDER FOR STEEL
Total Steel Required for Culverts Listed Below

A-Bars		B-Bars		C-Bars		D-Bars		E-Bars		Total
No	Length	No	Length	No	Length	No	Length	No	Length	Steel
8	16'-0	40	2'-6"	4	9'-6"	104	1'-6"	6	4'-6"	382
			2'-6"		9'-6"		1'-6"		4'-6"	

Sta No OF Culv't.	A-Bars 12" OC 16'-0 No	B-Bars 18" OC 2'-6" No	C-Bars 12" OC 9'-6" No	D-Bars 18" OC 1'-6" No.	E-Bars 12" O.C 4'-6" No.	No. Lbs. of Steel	Total Cu Yds. Conc	Cemt Req'd Bbls	Sand Req'd Cu. Yds	Stone Req'd Cu. Yds
67g+50	4	20	2	52	3	191	8.27	12.5	3.5	7.0
342+50	4	20	2	52	3	191	8.27	12.5	3.5	7.0
					3					
					3					
					3					
					3					

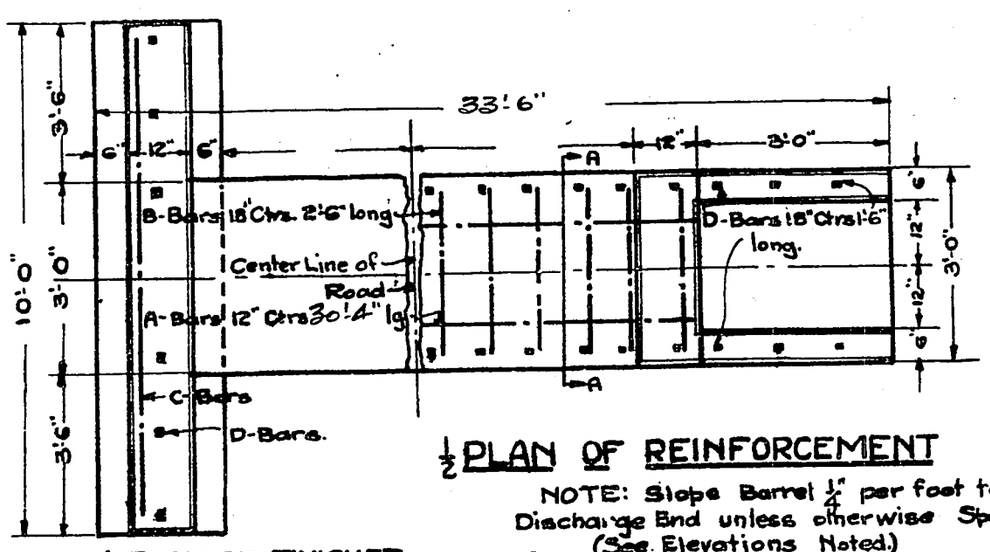
Sta No of Culvert	Elev. of Disch 'D'	Elev of Inlet I	Height Inlet End Wall 'A'	Distance of Point 'D' Above or Below Top of Sta Stake			Elev Top of Stake
				Above	Below	Stk No	
67g+50			1'-6"				
342+50			1'-6"				

No
ROADWAY.



SECTION AA
Showing Forming

NOTE:- Do not Scale This Drawing
All Dimensions are marked

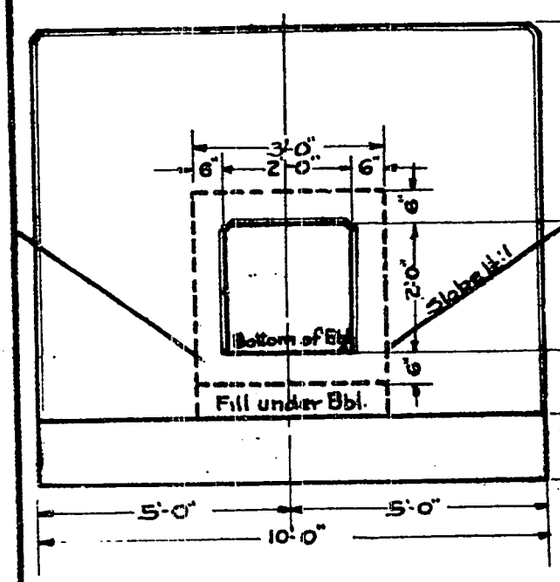


½ PLAN OF FINISHED CULVERT

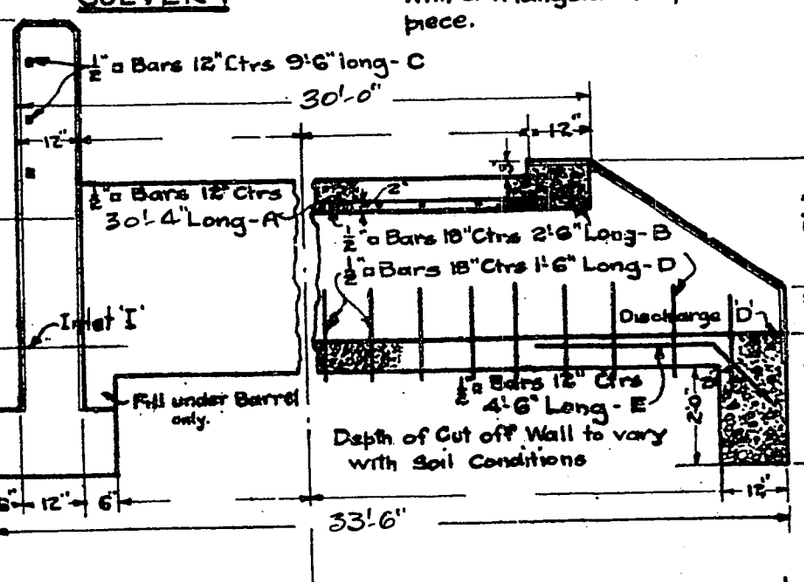
½ PLAN OF REINFORCEMENT

NOTE: Slope Barrel $\frac{1}{4}$" per foot toward Discharge End unless otherwise Specified (See Elevations Noted.)

All exposed Edges are to be Chamfered with a triangular Strip Cut from a $\frac{3}{4}$ x $\frac{3}{4}$ piece.



INLET END ELEVATION



½ SIDE ELEVATION

½ TRANSVERSE SECTION ON ℄



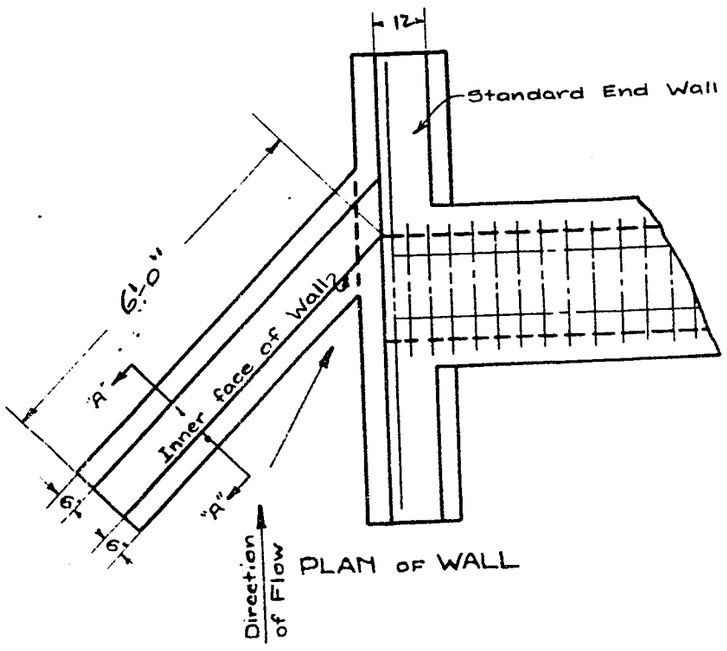
Sta No of Culvert	Elev. of Disch 'D'	Elev of Inlet I	Height Inlet End Wall 'A'	Distance of Point 'D' Above or Below Top of Sta Stake			Elev Top of Stake
				Above	Below	Stk No	
67g+50			1'-6"				
342+50			1'-6"				

DISCHARGE SPECIAL 24"x24" REINFORCED CONCRETE CULV'T
END ELEVATION WISCONSIN HIGHWAY COMMISSION
MADISON, WISC. NOV. 1922

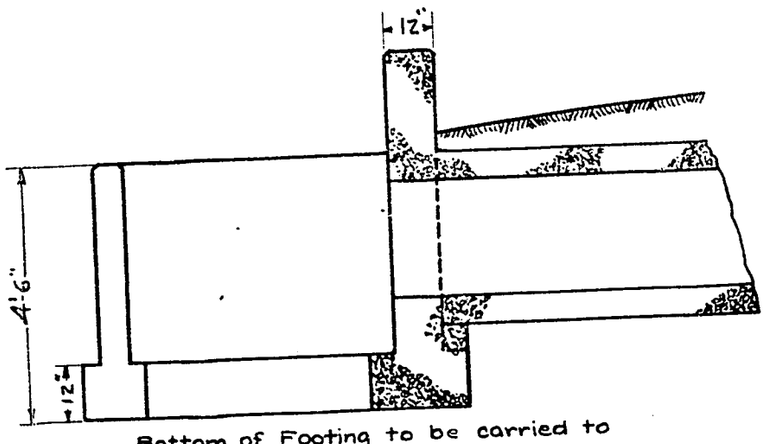
Approved:-
A R Hirst
STATE HIGHWAY ENGINEER

Sta 67g+50
342+50

Proj 187-41 rev.

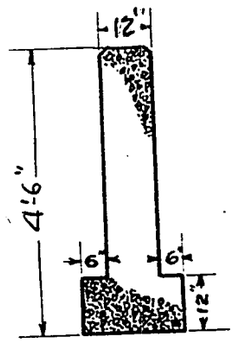


PLAN OF WALL



Bottom of Footing to be carried to same depth as End Wall footing

ELEVATION OF WALL



SECTION "AA" BREAKER WALL

TABLE SHOWING CUBIC YARDS OF CONCRETE PER LINEAR FOOT OF LENGTH

Height in Feet	Thickness of Wall in Inches	
	9"	12"
3'-0"	0.1202	
3'-6"	0.1342	
4'-0"	0.1482	
4'-6"		0.2037
5'-0"		0.2222
5'-6"		0.2407
6'-0"		0.2592
6'-6"		0.2777
7'-0"		0.2962

ESTIMATED CONCRETE IN BREAKER WALL 1.22 CU. YDS.

342+50
Sta 67+50

SPECIAL CONCRETE BREAKER WALL

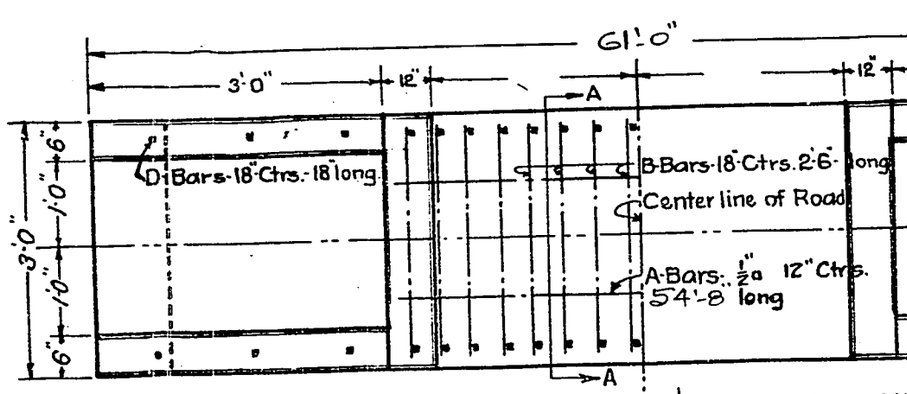
WISCONSIN HIGHWAY COMMISSION

MADISON WIS. JULY 1922

Proj 187

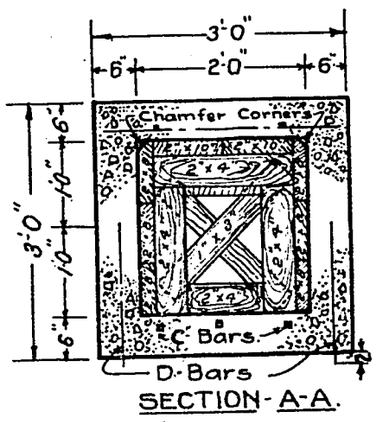
Sta 67+50
342+50

Proj 187-Y 2 Rev.



½ PLAN OF REINFORCEMENT.

½ PLAN OF FINISHED CULVERT.



SECTION-A-A.
Showing Forming.

NOTE: DO NOT SCALE THIS DRAWING. ALL DIMENSIONS ARE MARKED

CUT OUT AND MAIL WITH ORDER FOR STEEL.
Total Steel required for Culverts listed below.

A-Bars		B-Bars.		C-Bars.		D-Bars.		Total
No.	Length.	No.	Length.	No.	Length.	No.	Length.	Steel
4	28'-2	37	2'-6"	6	4'-6"	86	1'-6"	306.

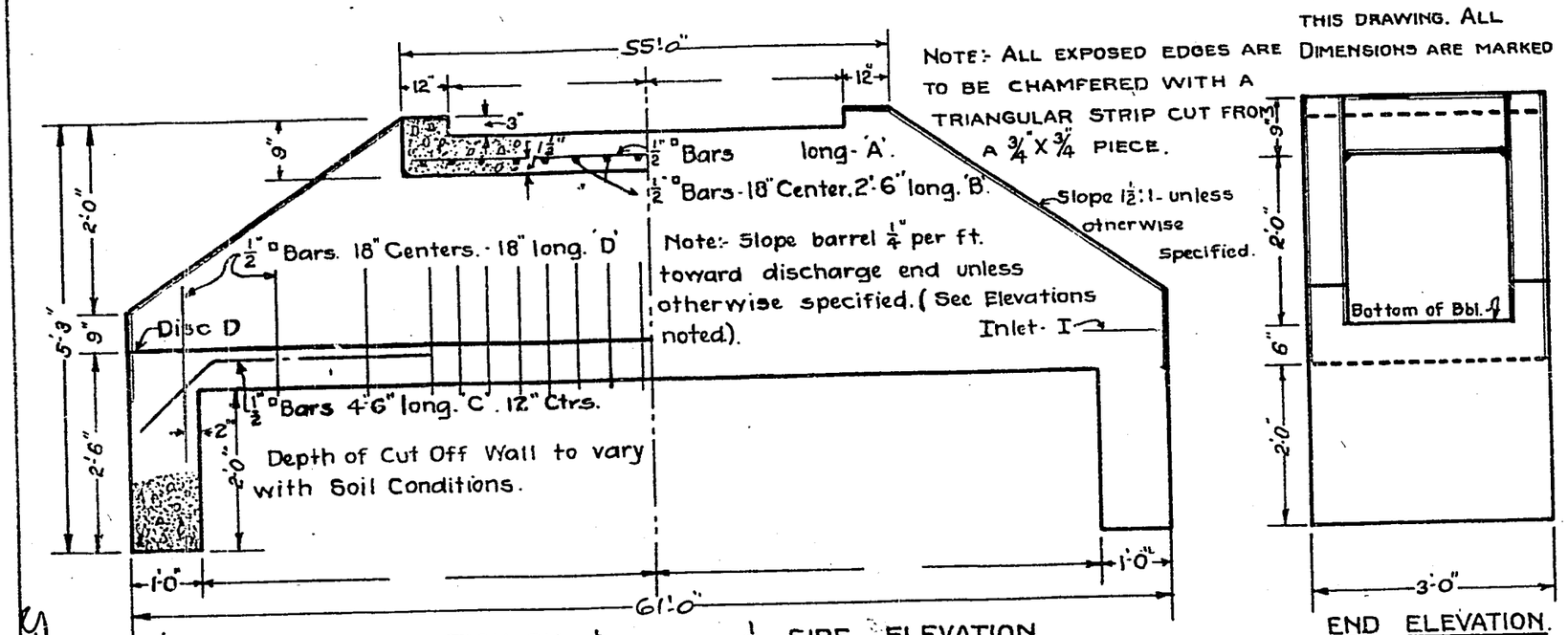
STEEL-½" SQ. BARS. CONCRETE-1:2:4 MIX.

Sta. No. of Culv't.	A-Bars 12" O.C 28'-2 No.	B-Bars 18" O.C. 2'-6" lg. No.	C-Bars 12" O.C. 4'-6" lg. No.	D-Bars 18" O.C. 1'-6" lg. No.	No. Lbs. of Steel.	Total Cu. Yds. Conc.	Cem't Req'd. Bbls.	Sand Req'd. Cu. Yds.	Stone Req'd. Cu. Yds.
134+90	4	37	6	86	306	11.41	17.1	4.8	9.6

INFORMATION REQUIRED TO STAKE OUT CULVERTS.

Sta. No. of Culv't.	Elev. of Disch'ge. "D"	Elev. of Inlet. "I"	Distance of Point "D" above or below Top of Stake.			Elev. Top of Stake.
			Above	Below	Stk. No.	
134+90						

Proj NO. 187
53" ROADWAY.



½ TRANSVERSE SECTION ON ℄

½ SIDE ELEVATION.

END ELEVATION.

SPECIAL 24"X24" REINFORCED CONC. CULV'T.

WISCONSIN HIGHWAY COMMISSION.

MADISON, WIS.: DEC. 1921.

Approved:-

J. R. Hirst

State Highway Engineer.

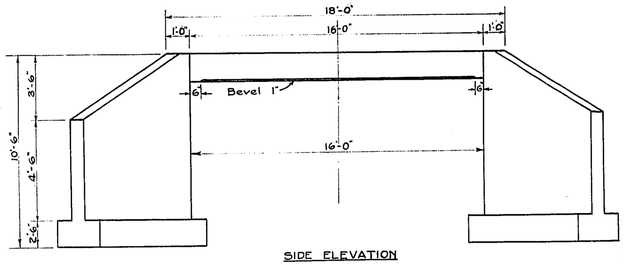
12-20-21.

Sta 134+90

Proj 187-Z-Rev.

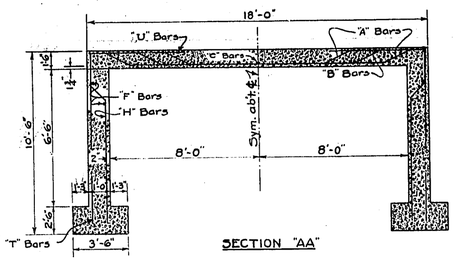
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC	187		26	72

WISCONSIN PROJECT No. 187
DIVISION JOB No. 8154

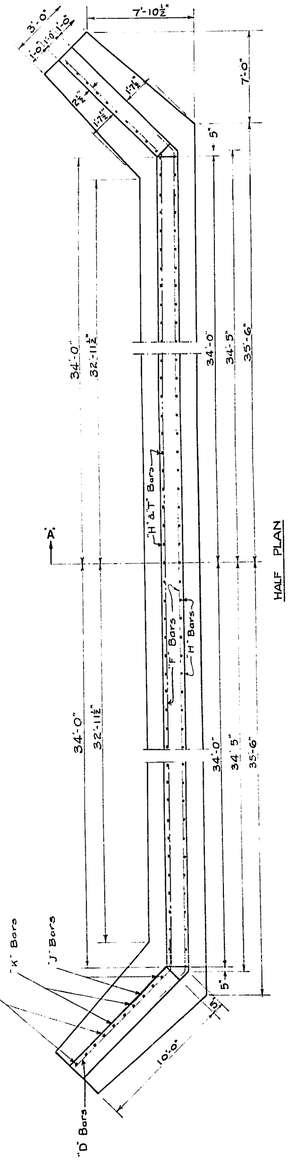


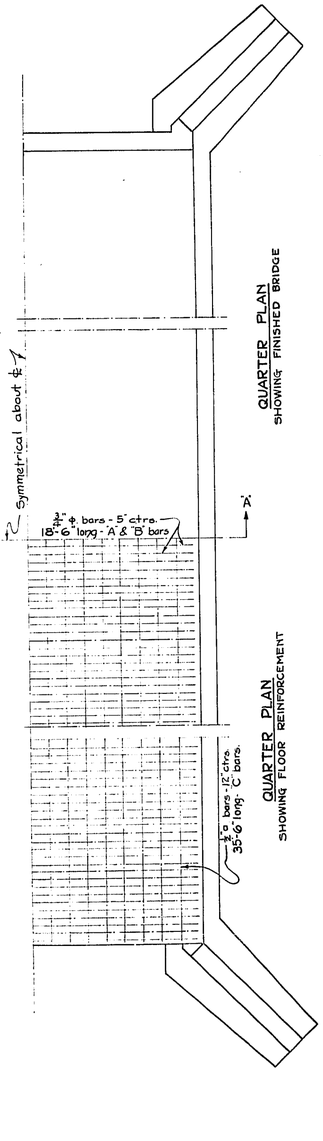
SIDE ELEVATION

Bot. footing El 291.5



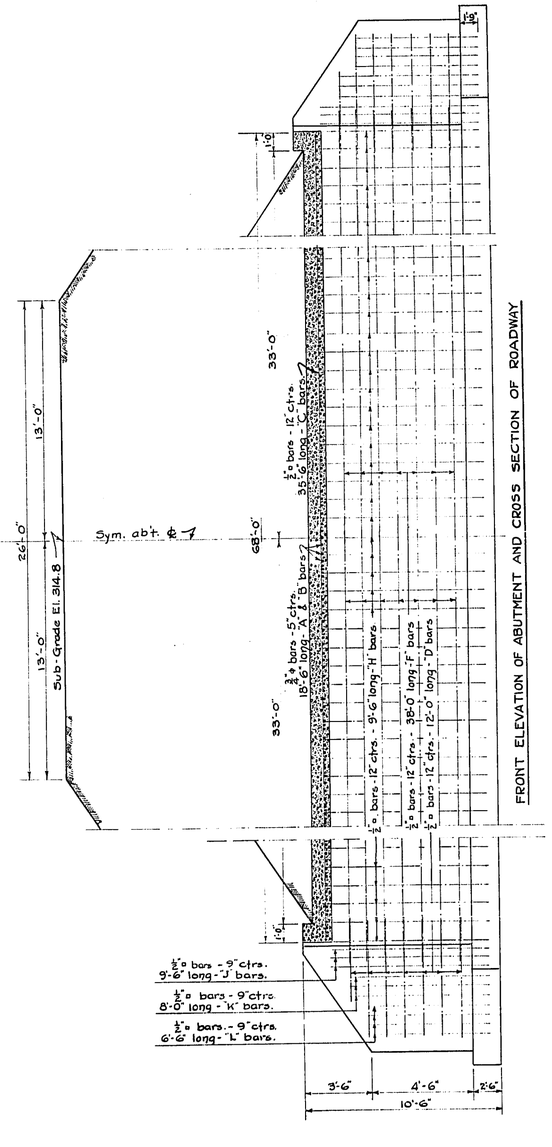
SECTION "AA"



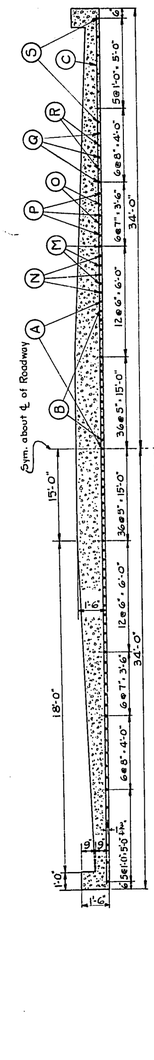


QUARTER PLAN
SHOWING FINISHED BRIDGE

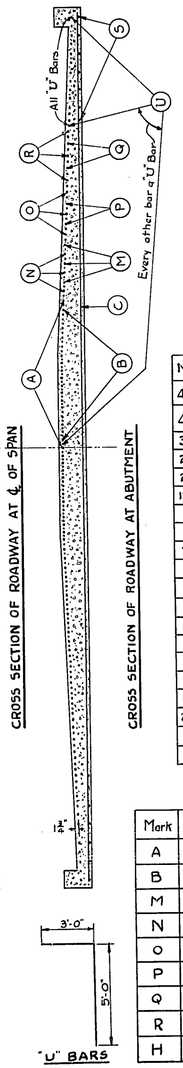
QUARTER PLAN
SHOWING FLOOR REINFORCEMENT



FRONT ELEVATION OF ABUTMENT AND CROSS SECTION OF ROADWAY



CROSS SECTION OF ROADWAY AT ℄ OF SPAN



CROSS SECTION OF ROADWAY AT ABUTMENT

— GENERAL NOTES —

Concrete to be a class "A" mixture - 1:2:4.

Bevel exposed edges of concrete 1".

The arrangement of longitudinal bars in floor to be as follows :- The "A" bars alternate with the "B" bars. Ends are reversed for adjacent "A" bars

Lap bars 40 diameters at splices. All lapped or intersecting bars shall be rigidly wired together with No.16 annealed wire.

Reinforcement to be mechanical bond bars of net section equal to area of bars specified.

All reinforcing bars shall be imbedded 2" in the concrete, located as shown, except "A" and "B" bars which shall be placed 1¼" above the bottom of the floor slab.

All reinforcement shall be held in place by metallic bar chairs.

Notes applying to "A" and "B" bars shall apply to "M" and "N" bars, to "O" and "P" bars and to "Q" and "R" bars.

B.M. Spike in Tel. Pole
45'R. Sta. 63G + 40
Elev. 317.02

BILL OF BARS FOR BRIDGE COMPLETE

No.	MARK	SIZE	LENGTH	LOCATION
43	A	¾" ϕ	18'-6"	Longitudinal in floor.
42	B	¾" ϕ	18'-6"	Longitudinal in floor.
34	C	½" o	35'-6"	Transverse in floor.
24	D	½" o	12'-0"	Horizontal in wings.
24	F	½" o	38'-0"	Horizontal in body of abutments.
138	H	½" o	9'-6"	Vertical in body of abutments.
16	J	½" o	9'-6"	Vertical in wings.
16	K	½" o	8'-0"	Vertical in wings.
20	L	½" o	6'-6"	Vertical in wings.
6	M	¾" ϕ	18'-3"	Longitudinal in floor
6	N	"	18'-3"	" " "
4	O	"	18'-3"	" " "
6	P	"	18'-3"	" " "
6	Q	"	18'-0"	" " "
4	R	"	18'-0"	" " "
14	S	"	17'-6"	" " "
138	T	½" o	4'-0"	Vertical in body of abutments.
288	U	¾" ϕ	8'-0"	Longitudinal in floor.

ESTIMATED QUANTITIES

Concrete :- 159.6 Cu.Yds.

Steel :- 11040 #

Mark	Details of Bars
A	
B	
M	
N	
O	
P	
Q	
R	
H	

Sta. 62G+60

PLANS OF

PEARL CREEK BRIDGE

DRUMMOND ASHLAND ROAD

PROJ. No. 187 JOB No. 8154

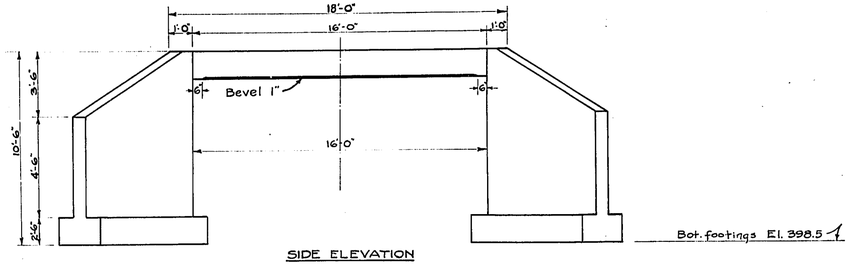
WISCONSIN HIGHWAY COMMISSION

Scale 1 inch = 4 ft.

Proj 187-S

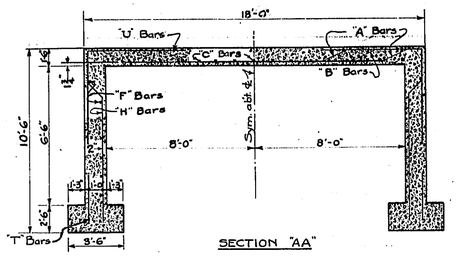
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		27	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8154

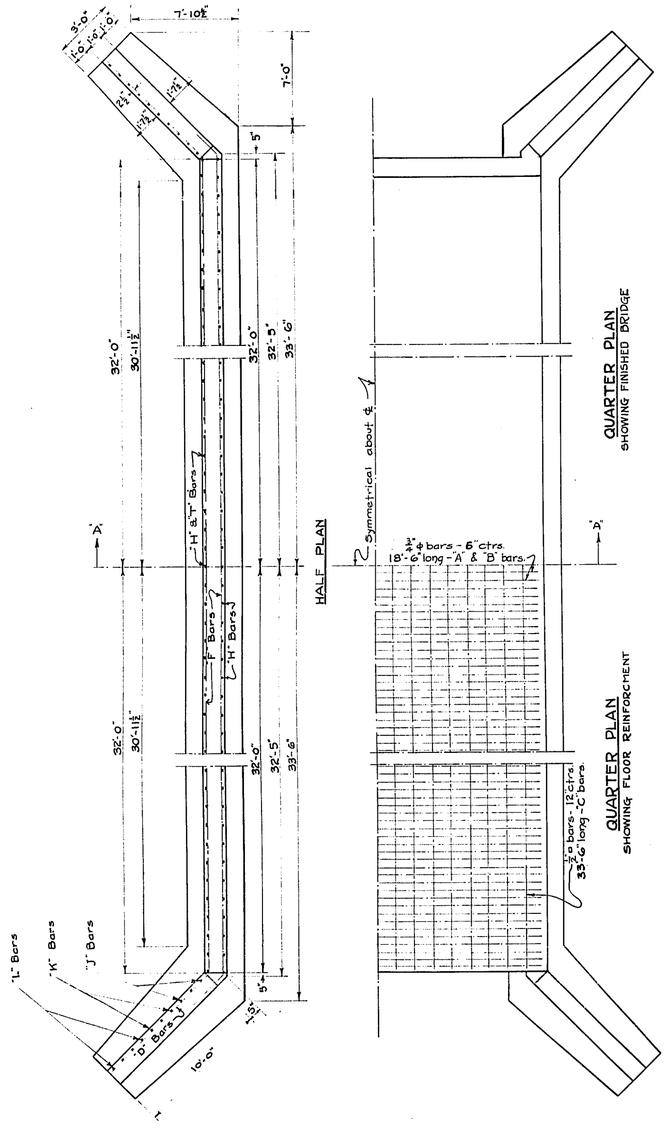


SIDE ELEVATION

Bot. footings El. 398.5



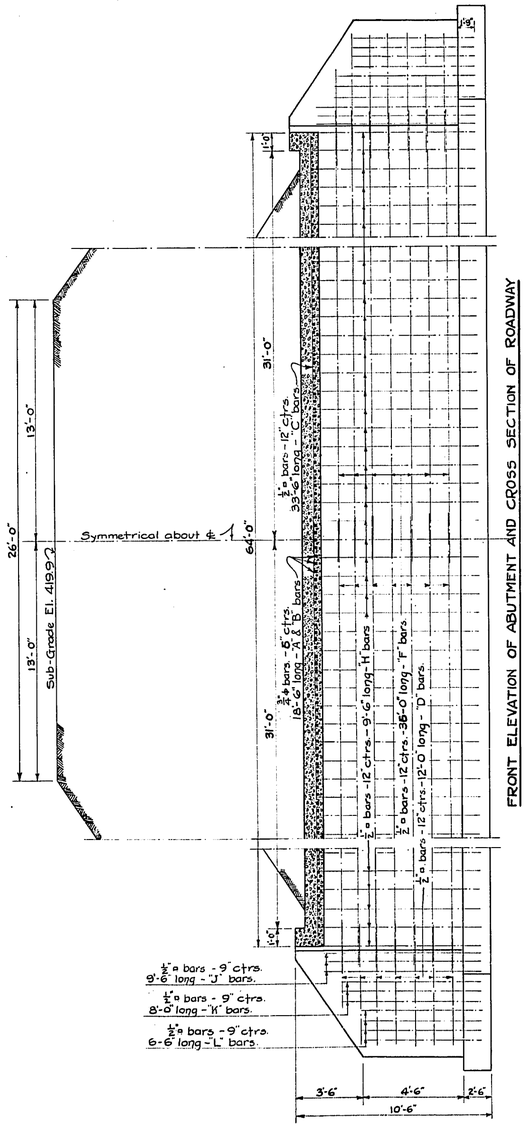
SECTION "AA"



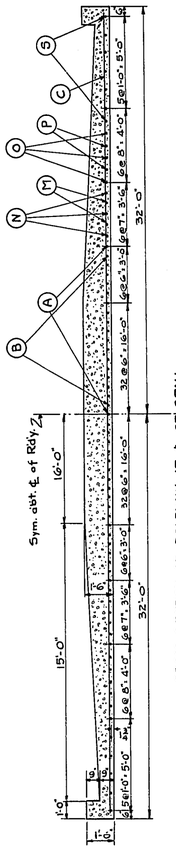
HALF PLAN

QUARTER PLAN
SHOWING FINISHED BRIDGE

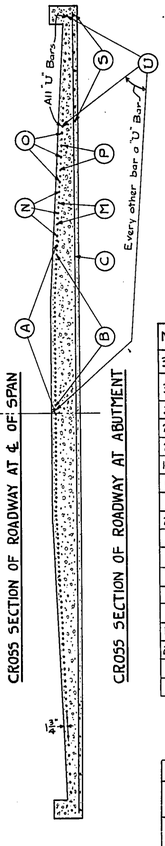
QUARTER PLAN
SHOWING FLOOR REINFORCMENT



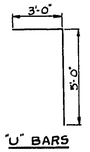
FRONT ELEVATION OF ABUTMENT AND CROSS SECTION OF ROADWAY



CROSS SECTION OF ROADWAY AT ℄ OF SPAN



CROSS SECTION OF ROADWAY AT ABUTMENT



"U" BARS

– GENERAL NOTES –

Concrete to be of a Class "A" mixture. - 1:2:4.

Bevel exposed edges of concrete 1".

The arrangement of longitudinal bars in floor to be as follows :- The "A" bars alternate with the "B" bars. Ends are reversed for adjacent "A" bars

Lap bars 40 diameters at splices. All lapped or intersecting bars shall be rigidly wired together with No. 16 annealed wire.

Reinforcement shall be mechanical bond bars of net section equal to area of bars specified.

All reinforcing bars shall be imbedded 2" in the concrete, located as shown, except "A" and "B" bars which shall be placed 1½" above the bottom of the floor slab.

All reinforcement shall be held in place by metallic bar chairs.

Notes applying to "A" and "B" bars shall apply to "M" and "N" bars and to "O" and "P" bars.

B.M. Spike in Poplar Tree
40' L. Sta. 158 G + 00
El. 430.54

BILL OF BARS FOR BRIDGE COMPLETE

No.	MARK	SIZE	LENGTH	LOCATION
39	A	¾" ϕ	18'-6"	Longitudinal in floor.
38	B	¾" ϕ	18'-6"	Longitudinal in floor.
34	C	½" ϕ	33'-6"	Transverse in floor.
24	D	½" ϕ	12'-0"	Horizontal in wings.
24	F	½" ϕ	36'-0"	Horizontal in body of abutments.
130	H	½" ϕ	9'-6"	Vertical in body of abutments.
16	J	½" ϕ	9'-6"	Vertical in wings.
16	K	½" ϕ	8'-0"	Vertical in wings.
20	L	½" ϕ	6'-6"	Vertical in wings.
4	M	¾" ϕ	18'-3"	Longitudinal in floor.
6	N	"	18'-3"	" " "
6	O	"	18'-3"	" " "
4	P	"	18'-3"	" " "
14	S	"	17'-6"	" " "
130	T	½" ϕ	4'-0"	Vertical in body of abutment.
248	U	¾" ϕ	8'-0"	Longitudinal in floor.

ESTIMATED QUANTITIES

Concrete :- 152.6 Cu. Yds.

Steel :- 9830 #

Mark	Details of Bars
A	9" 1'-2½" 12'-4" 1'-2½" 2'-0" 1'-0"
B	3'-2" 1'-2½" 8'-9" 1'-2½" 3'-2" 1'-0"
M	9" 1'-0½" 12'-11" 1'-0½" 1'-9" 1'-0"
N	2'-10" 1'-0½" 9'-9" 1'-0½" 2'-10" 1'-0"
O	9" 11" 13'-3" 11" 1'-8" 1'-0"
P	2'-1" 11" 10'-6" 11" 2'-1" 1'-0"
H	1'-0" 10" 7'-3" 1'-0"

Sta. 159 G+60

PLANS OF

18 MILE CREEK BRIDGE

DRUMMOND ASHLAND ROAD

PROJ. No. 187 JOB No. 8154

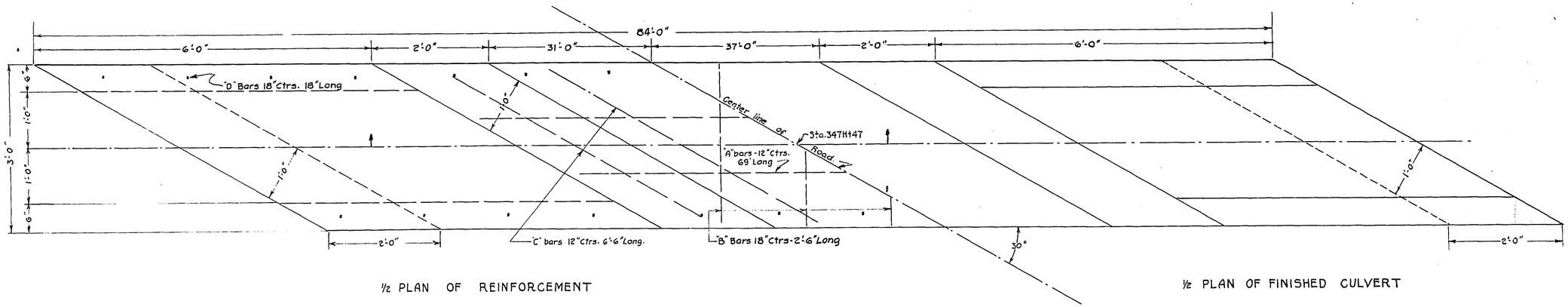
WISCONSIN HIGHWAY COMMISSION

Scale 1 inch = 4 ft.

Proj 187-T

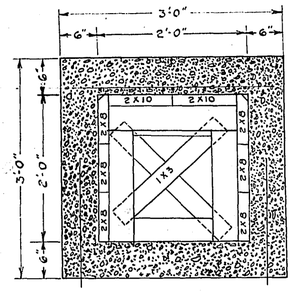
FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.		SHEET No	TOTAL SHEETS
4	WISC	187		28	72

DIVISION JOB NO.

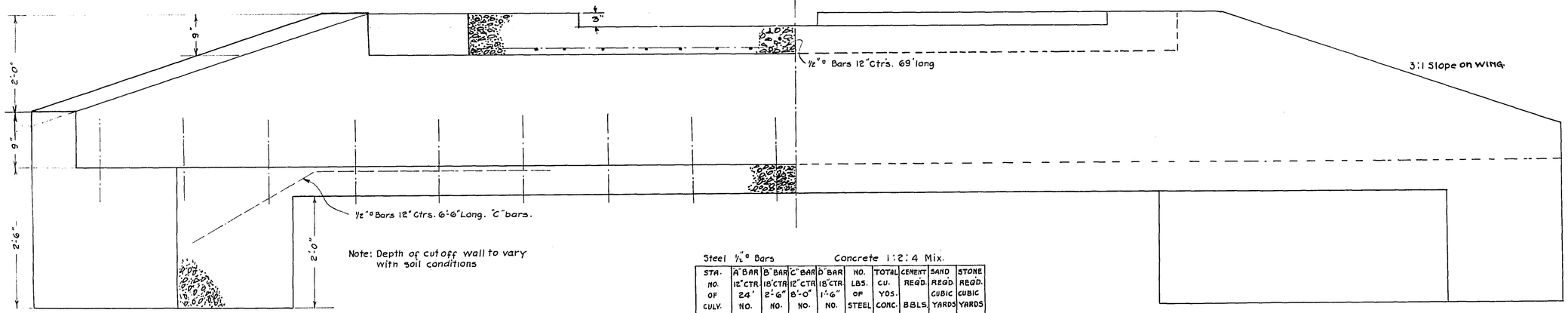


½ PLAN OF REINFORCEMENT

½ PLAN OF FINISHED CULVERT

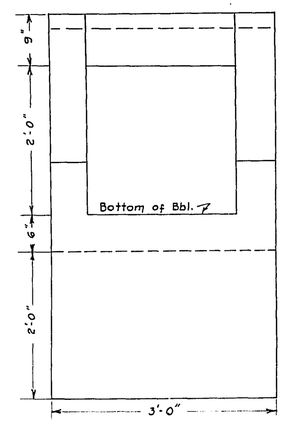


SECTION THRU BARREL
Showing Forming



½ TRANSVERSE SECTION ON ℄.

½ SIDE ELEVATION



END ELEVATION

Steel ½"ø Bars Concrete 1:2:4 Mix.

STA. NO. OF CULV.	A" BAR 12" CTR. 24' NO.	B" BAR 18" CTR. 2'-6" NO.	C" BAR 12" CTR 8'-0" NO.	D" BAR 18" CTR. 1'-6" NO.	NO. LBS. OF STEEL	TOTAL CU. YDS. CONC.	CEMENT REQD. BBLS.	SAND REQD. CUBIC YARDS	STONE REQD. CUBIC YARDS
347H147	6	49	6	114	413	15.7	23.6	6.6	13.2

INFORMATION REQUIRED TO STAKE OUT CULVERT.

STA. NO. OF CULV.	ELEV. OF DISCH. "D"	ELEV. OF INLET "I"	HEIGHT DISCH. END WALL "A"	HEIGHT INLET END WALL "B"	DISTANCE "D" ABOVE OR BELOW TOP OF STAKE			ELEV. OF STAKE
					ABOVE	BELOW	STAKE NO.	
347H147	641.0	641.5				10'-0"	348 H	651.0

Sta 347 H+47

PLANS OF

SKEWED CULVERT

DRUMMOND - ASHLAND ROAD

PROJ. No. 187 · JOB No. 8154

WISCONSIN HIGHWAY COMMISSION

Scale 1"=1'

Proj 187-U

GRADE SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	WISC.	187		165	652

WISCONSIN PROJECT NO. 187
DIV. JOB NO. 8164

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4		ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6		RIGHT OF C.L. 7	
19 G	℄		CUT	1.2		24.5	CUT	19.5	CUT
20 G	℄		"	0.1		22.5	"	16.0	FILL
21 G	℄		FILL	0.8		20.0	"	18.0	"
22 G	℄		"	0.8		19.0	"	16.0	"
23 G	℄		"	2.1		18.5	"	17.6	"
24 G	℄		"	1.8		20.0	"	18.0	"
25 G	℄		"	0.1		21.3	"	19.5	CUT
26 G	℄		CUT	0.1		22.0	"	18.8	FILL
27 G	℄		"	0.3	314.97	23.5	"	20.0	CUT
28 G	℄		"	1.9	316.22	20.6	"	21.6	"
+80			"	1.6		24.6	"	21.0	"
29 G	℄		"	0.8	314.50	20.6	"	20.0	"
30 G	℄		FILL	1.3	312.87	18.5	"	15.0	FILL
31 G	℄		"	2.1	312.24	16.0	FILL	16.5	"
32 G	℄		"	2.4	312.18	16.5	"	17.0	"
33 G	℄		"	2.0	312.63	18.5	CUT	16.5	"
34 G	℄		"	1.7	313.92	19.5	"	16.0	"
+85			"	1.5		20.0	"	17.0	"
35 G	℄		"	0.2	317.36	22.0	"	15.0	"
+20			CUT	1.0		25.0	"	19.5	CUT
+36			FILL	3.2		26.5	"	20.0	FILL
+80			CUT	4.2		32.0	"	23.0	CUT
36 G	℄		"	4.1		30.0	"	22.5	"
37 G	℄		"	1.4	327.40	26.0	"	19.5	"
38 G	℄		FILL	0.5	328.19	22.5	"	15.0	FILL
39 G	℄		"	0.3	329.24	21.5	"	18.5	CUT
40 G	℄		GRADE		329.22	22.0	"	18.0	"
41 G	℄		CUT	0.2	328.75	24.5	"	15.0	FILL
+90			FILL	0.2		23.5	"	16.0	"
42 G	℄		"	0.6	328.45	18.0	FILL	25.5	"
+40			"	0.4		23.5	CUT	15.5	"
+60			"	2.9		24.5	"	19.0	"
+95			"	4.0		22.0	"	21.0	"
43 G	℄		"	0.8	327.97	24.0	"	16.5	"
+10 G	℄		"	0.2		24.0	"	19.0	"
+20			"	3.2		19.0	"	21.0	"
+38			"	3.3		20.0	"	20.5	"
+45			"	0.7		22.0	"	17.5	"
+85			GRADE			23.0	"	15.5	"
44 G	℄		"		330.45	23.5	"	15.5	"
+25			FILL	0.3		23.5	"	16.5	"
45 G	℄		"	0.3	331.50	25.0	"	16.5	"
46 G	℄		"	0.4	333.35	24.5	"	15.0	"
47 G	℄		"	0.4		24.0	"	18.0	CUT
+50			"	0.2		24.0	"	15.5	FILL
+75			"	2.0		25.0	"	18.5	"
48 G	℄		"	0.9	335.14	23.5	"	17.5	"
49 G	℄		"	0.5	335.87	25.5	"	16.0	"
50 G	℄		"	0.8	335.98	23.5	"	16.0	"
51 G	℄		"	0.7	337.23	23.0	"	17.0	"
52 G	℄		"	0.5	338.50	23.0	"	16.5	"
53 G	℄		"	0.7	341.01	24.0	"	17.5	"
54 G	℄		CUT	0.1	343.61	26.0	"	16.5	"
55 G	℄		"	0.7	344.87	25.0	"	18.0	"
+55			FILL	0.3		24.5	"	18.0	"
+65			CUT	0.1		24.5	"	25.5	"
56 G	℄		FILL	0.2	345.36	24.0	"	20.0	"
+20			"	0.1		24.0	"	17.0	"
+35			"	1.0		22.5	"	25.0	"
57 G	℄		CUT	1.0	344.51	24.5	"	16.5	CUT
58 G	℄		"	4.7	344.12	30.0	"	24.5	"
+66			"	4.6		29.5	"	24.6	"
+85			FILL	3.4		17.5	FILL	24.0	"
59 G	℄		"	3.2	329.46	17.5	"	23.5	"
+35			"	0.8		19.0	"	18.6	"
+55			"	3.7		19.0	"	21.0	"
60 G	℄		"	2.2	325.22	17.5	"	20.5	"
+50			"	1.5		19.5	CUT	19.5	"
61 G	℄		CUT	1.0	320.09	22.5	"	21.5	"
+30			"	0.3		21.0	"	19.6	"
+46			FILL	0.5		20.5	"	21.6	"
+75			"	7.9		20.0	FILL	24.0	FILL
62 G	℄		"	11.8	303.58	29.5	"	31.6	"
+38			"	14.5		35.0	"	35.0	"
+50			"	18.3		41.5	"	44.0	"
+76			"	20.9		40.0	"	42.6	"
+90			"	14.9		35.5	"	30.0	"
63 G	℄		"	13.3	302.67	30.5	"	30.0	"
+20			"	10.4		29.5	"	28.0	"
+60			"	0.9		23.0	CUT	24.5	"
+85			CUT	2.0		25.0	"	21.5	CUT
64 G	℄		"	3.2	324.19	27.5	"	22.6	"
+20			"	4.5		30.0	"	25.0	"
+30			"	7.5		25.0	"	25.5	"
+46			"	4.8		24.5	"	27.5	"
+55			"	2.0		23.0	"	22.5	"
+75			"	0.4		20.5	"	26.6	"
65 G	℄		"	1.2	329.76	35.5	"	28.0	"
+30			"	10.5		26.0	"	23.0	"

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4		ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6		RIGHT OF C.L. 7	
66 G	℄		CUT	7.0		44.5	CUT	21.5	CUT
+25			"	10.2		42.0	"	26.0	"
+65			"	5.6		33.5	"	24.5	"
67 G	℄		"	4.5	347.15	29.0	"	24.0	"
+60			FILL	3.2		19.0	"	21.5	FILL
+85			"	0.6		22.5	"	16.5	"
68 G	℄		"	0.8	348.26	22.5	"	17.0	"
+13			"	3.0		20.0	"	20.0	"
+30			"	1.9		19.5	"	16.5	"
69 G	℄		"	1.6	354.08	19.5	"	17.5	"
70 G	℄		CUT	1.7	367.78	23.5	"	20.0	CUT
71 G	℄		"	0.1	366.17	21.5	"	19.0	"
72 G	℄		FILL	0.1		22.0	"	18.0	CUT
73 G	℄		CUT	0.1		24.5	"	18.0	FILL
74 G	℄		FILL	0.5	376.37	24.0	"	18.0	FILL
75 G	℄		"	0.1		23.5	"	17.0	"
76 G	℄		"	0.6		21.5	"	17.5	"
77 G	℄		"	0.2		22.0	"	16.5	"
78 G	℄		"	0.6	379.92	21.0	"	16.5	"
79 G	℄		GRADE		371.44	21.0	"	18.5	CUT
80 G	℄		FILL	0.2	382.00	20.5	"	18.0	"
81 G	℄		"	0.3	384.62	20.0	"	19.0	"
82 G	℄		"	0.4	387.10	20.0	"	18.0	"
83 G	℄		GRADE		390.36	20.5	"	18.5	"
84 G	℄		CUT	0.7		22.0	"	20.0	"
85 G	℄		GRADE			21.0	"	19.0	"
86 G	℄		FILL	1.4		21.5	"	17.0	FILL
87 G	℄		"	0.1		23.0	"	16.0	"
88 G	℄		"	0.6		21.5	"	15.5	"
89 G	℄		"	1.1		20.0	"	18.0	CUT
90 G	℄		"	0.4		20.5	"	18.0	"
91 G	℄		"	0.1		21.5	"	18.0	"
92 G	℄		"	0.2	384.21	20.5	"	19.0	"
+25			CUT	1.2		19.5	"	20.5	"
+35			FILL	1.8		18.0	"	20.5	"
+65			"	3.5		21.0	"	18.5	FILL
+80			CUT	0.8		20.0	"	17.5	"
93 G	℄		"	0.9	389.30	20.0	"	20.0	CUT
94 G	℄		"	0.5	392.02	20.5	"	19.5	"
95 G	℄		FILL	1.0		19.0	"	16.0	FILL
96 G	℄		"	0.2	395.60	20.5	"	19.0	CUT
97 G	℄		"	0.5		21.0	"	19.5	"
98 G	℄		CUT	0.1		20.0	"	21.0	"
99 G	℄		GRADE		406.25	20.0	"	20.0	"
100 G	℄		FILL	0.2		20.5	FILL	20.0	FILL
101 G	℄		GRADE			20.0	CUT	20.0	CUT
102 G	℄		CUT	0.3		21.5	"	20.0	"
103 G	℄		"	0.1		21.0	"	20.5	FILL
104 G	℄		"	0.2		20.5	FILL	22.0	"
105 G	℄		"	0.1		21.5	CUT	20.0	"
106 G	℄		"	0.4		21.5	"	20.5	"
107 G	℄		"	0.1		21.5	"	20.0	CUT
108 G	℄		"	0.7		22.0	"	20.5	"
109 G	℄		"	0.1		21.0	"	20.5	"
110 G	℄		FILL	0.4		21.5	"	21.5	FILL
111 G	℄		"	1.1		20.0	"	16.0	"
112 G	℄		"	0.6		19.5	"	16.5	"
113 G	℄		"	0.8	410.21	19.0	"	17.6	"
114 G	℄		"	0.3		20.5	"	16.5	"
115 G	℄		"	0.4		20.5	"	16.5	"
116 G	℄		"	0.3		21.0	"	17.5	"
117 G	℄		CUT	4.4		28.0	"	22.0	CUT
+40			"	3.7		26.0	"	23.5	"
118 G	℄		"	1.7		22.0	"	20.5	"
119 G	℄		FILL	1.5		16.0	FILL	18.5	"
120 G	℄		"	0.8		19.5	CUT	18.0	"
121 G	℄		"	0.5		19.5	"	18.6	"
122 G	℄		"	0.2		22.0	"	16.0	FILL
123 G	℄		"	1.1		20.5	"	16.6	"
124 G	℄		"	1.0		21.0	"	16.0	"
125 G	℄		CUT	0.1		25.5	"	15.0	"
+40			"	2.1		27.0	"	20.0	CUT
126 G	℄		"	4.0		26.5	"	24.0	"
127 G	℄		"	2.0		24.0	"	23.0	"
+20			"	1.3		22.0	"	21.5	"
+60			FILL	2.4		21.0	FILL	19.0	FILL
128 G	℄		"	4.9		20.0	"	21.6	"
129 G	℄		"	2.2	443.70	19.0	CUT	17.0	"
+60			CUT	1.4		27.5	"	18.0	CUT
130 G	℄		FILL	1.2		21.5	"	16.6	FILL
+15			"	1.5		20.5	"	16.5	"
+50			CUT	2.0		20.0	"	24.0	CUT
131 G	℄		FILL	2.0		18.5	FILL	19.0	FILL
+20			"	4.7		20.5	"	22.0	"
+60			"	0.3		21.5	CUT	17.0	"
132 G	℄		CUT	3.0		27.0	"	22.0	CUT
+40			"	3.9		29.5	"	23.0	"
+86			FILL	0.5		23.0	"	16.0	FILL
133 G	℄		FILL	1.3		23.5	"	20.0	"

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4		ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6		RIGHT OF C.L. 7	
+30			CUT	1.6		26.0	CUT	21.5	FILL
+65			"	5.6		36.5	"	26.5	CUT
134 G	℄		"	1.8		30.0	"	22.5	"
+60			FILL	9.3		26.5	FILL	27.5	FILL
135 G	℄		"	9.8		26.5	"	28.5	"
+65			CUT	2.9		26.0	CUT	24.5	CUT
136 G	℄		"	6.6		33.0	"	26.5	"
+30			"	6.1		30.5	"	25.5	"
+65			FILL	0.4		24.0	"	19.0	"
137 G	℄		CUT	0.2		25.5	"	23.5	FILL
+40			FILL	3.3		18.5	"	19.0	"
+85			CUT	2.7		18.5	"	23.0	CUT
138 G	℄		"	2.4		15.0	FILL	30.0	"
+30			FILL	1.1		19.0	CUT	21.0	"
+85			CUT	0.1		35.0	"	16.5	FILL
139 G	℄		FILL	0.3		38.0	"	16.0	"
+50			"	1.0		23.5	"	16.5	"
140 G	℄		CUT	0.6		20.5	"	18.5	CUT
141 G	℄		FILL	3.6		18.0	FILL	20.0	FILL
+70			"	0.8		20.5	CUT	19.5	CUT
142 G	℄		"	0.2		21.0	"	18.5	"
143 G	℄		"	5.4		23.0	FILL	19.5	FILL
+50			"	2.8		17.0	"	16.0	"
144 G	℄		CUT	0.3		21.0	CUT	20.5	CUT
+35			"	4.7		28.0	"	24.5	"
+65			"	4.9		28.5	"	23.5	"
145 G	℄		"	3.0		27.0	"	26.0	"
+40			"	2.4		22.5	"	26.5	"
146 G	℄		FILL	4.3		16.5	FILL	20.0	FILL
+40			"	3.9		18.5	"	19.5	"
147 G	℄		"	4.1		22.0	"	23.5	"
+35			"	7.1		22.5	"	25.0	"
148 G	℄		CUT	4.6		34.0	CUT	23.0	CUT
+25			"	6.4		33.0	"	24.0	"
149 G	℄		"	1.1		23.5	"	18.0	"
+35			FILL	2.8		16.0	FILL	18.5	FILL
+70			CUT	3.0		26.5	CUT	22.0	CUT
150 G	℄		"	1.8		27.0	"	19.0	"
+50			FILL	1.0		24.0	"	17.5	FILL
151 G	℄		"	1.1		16.5	FILL	16.0	"
+45			"	4.1		19.0	"	18.5	"
+80			"	0.2		19.0	CUT	20.0	CUT
152 G	℄		"	0.5		15.5	FILL	20.0	"
+30			"	4.0		20.0	"	16.0	FILL
+60			"	3.6		18.5	"	16.0	"
153 G	℄		"	1.4		17.0	"	23.0	CUT
+40			CUT	4.7		27.5	CUT	26.0	"
+80			"	0.3		20.5	"	19.0	"
154 G	℄		FILL	9.8		19.0	"	19.5	"
+50			CUT	0.2		19.0	"	20.5	"
155 G	℄		"	2.3		23.5	"	20.5	"
+50			"	0.1		26.5	"	22.6	"
156 G	℄		"	1.1		25.5	"	21.0	"
+60			"	0.4		16.0	FILL	17.6	"
157	℄		FILL	0.4		20.5	"	20.0	"
+60			CUT	1.6		22.0	CUT	21.0	"
+70			FILL	0.1		23.5	"	18.0	FILL
158	℄		"	1.6		21.0	"	20.0	CUT
+15			"	1.9		22.5	"	20.5	"
+25			"	2.8		23.5	"	16.0	FILL
+35			CUT	2.2		24.5	"	22.0	CUT
+46			"	2.9		15.5	FILL	21.0	"
+50			"	3.2		26.0	CUT	21.0	"
+70			"	3.9		27.5	"	38.0	FILL
159 G	℄		FILL	7.3		18.0	FILL	37.5	"
+10			"	11.7		22.0	"	34.6	"
+35			"	15.2		37.5	"	37.0	"
+67			"	16.7		36.0	"	37.0	"
+60			"	18.0		40.0	"	40.6	"
+84			"	17.4		39.5	"	39.0	"
+88			"	13.8		33.5	"	32.5	"
160 G	℄		"	14.6		35.0	"	28.0	"
+15			"	12.2		30.5	"	26.5	"
+40			"	0.3		19.5	CUT	19.5	CUT
+50			CUT	1.3		22.5	"	20.5	"
+80			"	6.8		29.5	"	32.0	"
161 G	℄		"	5.9	428.68	28.5	"	31.0	"
162 G	℄		"	2.3	429.28	23.0	"	27.5	"
163 G	℄		"	0.8		19.0	"	22.0	"
+35			"	0.5		19.5	"	19.5	"
164 G	℄		FILL	2.9		18.5	FILL	18.5	FILL
165 G	℄		"	4.0		20.5	"	18.0	"
+30			"	4.9		23.0	"	18.5	"
166 G	℄		CUT	0.9		21.0	CUT	24.5	CUT
+55			"	9.8		25.6	"	28.5	"
167 G	℄		"	3.4		25.6	"	25.6	"
+65			"	1.1		15.0	FILL	21.5	"
168 G	℄		"	0.6		17.5	CUT	20.0	"
169 G	℄		"	0.2	462.40	18.0	"	20.0	"

NOTE: IN GRADING CHECK HEIGHT OF FINISHED GRADE BY COLUMN No. 3 OF GRADE SHEET.

IN SETTING SLOPE STAKES, FACE IN DIRECTION IN WHICH STATION NUMBERS INCREASE.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	WISC.	187		265	266

WISCONSIN PROJECT NO. 187
DIV. JOB NO. 8184

GRADE SHEET

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4		ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6		RIGHT OF C.L. 7	
170 G	℄		FILL	0.9	451.77	20.0	CUT	18.5	CUT
+50			"	1.6		21.5	"	18.5	FILL
171 G	℄		"	1.9		21.0	"	19.5	"
+50			CUT	0.4		21.5	"	16.5	"
172 G	℄		FILL	0.1	463.03	22.0	"	16.5	"
173 G	℄		CUT	0.1		22.0	"	18.5	CUT
174 G	℄		GRADE		463.60	21.0	"	20.0	"
175 G	℄		CUT	1.0		22.5	"	20.5	"
176 G	℄		FILL	1.4	462.63	19.5	"	19.5	"
177 G	℄		"	2.1	452.18	15.6	FILL	18.0	FILL
178 G	℄		GRADE		454.65	19.5	CUT	21.0	CUT
179 G	℄		CUT	1.0	454.79	21.5	"	21.0	"
+25			"	1.0		21.5	"	21.5	"
+55			"	0.1		19.0	"	21.0	"
180 G	℄		FILL	1.0	451.54	18.0	"	21.0	"
+35			"	3.8		16.0	FILL	16.5	FILL
+70			"	0.2		19.5	CUT	25.0	CUT
181 G	℄		CUT	0.8	450.75	20.5	"	23.0	"
+50			"	1.8		22.0	"	22.5	"
182 G	℄		"	0.9		20.5	"	21.5	"
183 G	℄		FILL	3.7	441.39	23.0	FILL	19.5	"
+50			CUT	0.2		16.5	"	23.5	"
184 G	℄		FILL	0.6	443.29	15.5	"	20.0	"
+55			"	5.5		25.6	"	22.0	FILL
185 G	℄		"	2.3	442.16	17.5	"	16.0	"
+20 G			"	0.4		16.5	"	20.0	CUT
+70			"	4.0		22.0	"	16.0	FILL
186 G	℄		"	1.4	446.20	20.0	"	22.5	CUT
+65			CUT	2.1		21.0	CUT	21.5	"
187 G	℄		FILL	1.1	450.11	19.0	"	23.5	"
+35			CUT	2.6		25.5	"	24.5	"
188 G	℄		"	0.3	456.23	23.6	"	23.5	"
+50			"	1.1		18.5	"	22.0	"
189 G	℄		FILL	0.6	459.52	20.5	"	18.5	"
+45			"	1.6		19.0	"	18.5	"
190 G	℄		CUT	3.4	464.86	23.5	"	25.5	"
+40			"	2.9		24.5	"	21.0	"
191 G	℄		"	0.5	461.77	19.5	"	15.5	FILL
+40			FILL	2.6		15.6	FILL	18.5	CUT
192 G	℄		"	1.3	459.78	18.5	CUT	19.0	"
+30			"	0.4		19.5	"	15.0	FILL
193 G	℄		"	6.1		21.0	FILL	21.0	"
+55			"	4.9		21.0	"	16.0	"
194 G	℄		"	0.6	466.42	16.5	"	30.0	CUT
+40			CUT	4.0		20.5	CUT	32.0	"
195 G	℄		"	1.0	471.33	20.5	"	26.0	"
+65			"	4.8		25.0	"	30.0	"
196 G	℄		"	2.8	477.06	24.0	"	24.0	"
+30			FILL	1.0		17.0	FILL	19.5	"
197 G	℄		"	4.5	473.78	19.0	"	20.0	FILL
+40			"	5.6		19.0	"	21.0	CUT
198 G	℄		CUT	1.0	482.66	22.5	CUT	21.0	CUT
+40			"	3.8		25.5	"	25.0	"
199 G	℄		"	3.4	486.95	23.0	"	26.0	"
+20			"	1.0		19.5	"	24.0	"
200 G	℄		"	0.1	482.89	18.5	"	23.5	"
201 G	℄		FILL	2.8	478.48	16.0	FILL	16.5	FILL
+35			"	3.5		18.0	"	20.0	"
202 G	℄		"	1.5	479.29	18.5	CUT	20.0	CUT
203 G	℄		"	0.1	480.82	20.5	"	15.5	FILL
+40			CUT	1.2		23.5	"	26.5	CUT
204 G	℄		"	8.0		27.5	"	40.5	"
+25			"	7.1		27.0	"	34.0	"
205 G	℄		FILL	4.3	477.00	25.0	FILL	16.5	FILL
+45			"	10.6		29.5	"	22.5	"
206 G	℄		"	4.2	478.46	20.0	"	19.0	"
+15			"	3.2		18.0	"	17.0	"
+55			"	3.9		18.0	"	17.0	"
207 G	℄		CUT	0.7	488.66	23.5	CUT	16.0	"
+65			FILL	2.5		19.0	"	20.5	"
208 G	℄		CUT	0.6	496.17	22.5	"	21.0	CUT
+30			"	3.6		25.0	"	24.0	"
209 G	℄		"	1.4	500.41	24.0	"	20.0	"
210 G	℄		FILL	0.8	499.82	19.0	"	19.5	"
211 G	℄		CUT	1.0	502.32	20.5	"	21.5	"
+50			FILL	0.6		19.0	"	19.0	"
212 G	℄		"	0.7	499.74	18.5	"	18.0	"
213 G	℄		"	0.5	500.68	18.5	"	19.0	"
214 G	℄		"	1.0	503.34	18.5	"	18.0	"
215 G	℄		CUT	0.8	608.67	18.5	"	23.5	"
+25			"	1.0		20.5	"	23.0	"
216 G	℄		FILL	0.8	511.37	16.0	FILL	18.5	"
+50			CUT	1.9		23.0	CUT	22.5	"
217 G	℄		"	0.1	514.13	18.5	"	20.5	"
+10			FILL	1.1		16.0	FILL	16.6	FILL
218 G	℄		"	1.1	514.08	18.5	CUT	16.5	"
+80			CUT	0.1		20.5	"	22.0	CUT
219 G	℄		"	1.7	517.03	22.0	"	22.5	"
+40			"	4.4		24.0	"	27.0	"

NOTE: IN GRADING CHECK HEIGHT OF FINISHED GRADE BY COLUMN No. 3 OF GRADE SHEET.

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4		ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6		RIGHT OF C.L. 7	
+75			CUT	3.8		23.5	CUT	27.5	CUT
220 G	℄		"	2.1	516.07	23.0	"	22.0	"
+20			"	1.8		22.0	"	19.0	"
+80			FILL	4.4		19.5	FILL	18.0	FILL
221 G	℄		"	5.3	507.22	20.5	"	18.8	"
+10			"	4.9		20.0	"	22.0	CUT
222 G	℄		"	1.2	511.98	18.5	CUT	16.0	FILL
+55			"	0.3		23.0	"	21.0	CUT
223 G	℄		"	0.7	516.01	16.5	FILL	21.5	"
224 G	℄		"	1.7	521.24	17.5	"	18.5	"
+35			"	1.7		19.0	CUT	18.5	FILL
225 G	℄		CUT	0.6	530.04	23.0	"	18.0	CUT
+80			"	0.9		26.0	"	18.0	"
226 G	℄		"	0.4	534.72	25.0	"	16.0	"
+80			"	1.7		30.0	"	18.0	"
227 G	℄		"	1.4	536.82	29.5	"	18.5	"
+40			"	0.1		27.5	"	18.0	"
228 G	℄		"	2.3	536.79	28.5	"	19.0	"
229 G	℄		FILL	0.3	538.78	21.5	"	16.0	FILL
+55			"	0.4		22.0	"	17.0	"
230 G	℄		"	3.1	530.04	18.5	"	22.0	"
+56			"	6.2		19.5	FILL	26.0	"
231 G	℄		"	2.9	529.75	22.0	CUT	19.0	"
+40			CUT	1.9		29.0	"	17.0	CUT
232 G	℄		"	1.5	514.16	26.0	"	20.5	"
+40			"	3.8		26.0	"	22.5	"
233 G	℄		"	0.8	531.87	24.0	"	21.0	"
+25			FILL	0.2		19.5	"	20.0	"
234 G	℄		"	2.6		17.0	FILL	17.0	FILL
+35			"	2.9		17.0	"	18.0	"
235 G	℄		"	0.4	531.96	19.0	CUT	17.0	"
+60			"	0.7		20.5	"	18.5	CUT
236 G	℄		CUT	1.2	536.58	22.0	"	23.0	"
237 G	℄		GRADE		536.66	20.0	"	18.5	"
+75			FILL	3.0		16.5	FILL	18.0	FILL
238 G	℄		"	2.2	533.38	16.0	"	17.0	"
+35			"	1.0		21.0	CUT	19.0	CUT
+75			CUT	1.9		23.0	"	22.0	"
239 G	℄		"	3.0	535.73	25.5	"	24.5	"
+66			"	4.4		31.0	"	24.5	"
240 G	℄		"	3.4	530.26	28.5	"	25.0	"
+60			"	1.1		19.5	"	20.0	"
241 G	℄		"	0.8	520.47	23.0	"	20.5	"
+70			FILL	0.3		23.0	"	18.5	"
242 G	℄		"	2.9	509.55	16.5	FILL	19.5	FILL
243 G	℄		"	4.1	501.42	23.5	"	16.5	"
244 G	℄		"	0.8	499.72	18.0	"	22.0	CUT
245 G	℄		"	0.7	498.06	17.5	"	21.5	"
246 G	℄		"	0.1	497.87	18.0	CUT	20.5	"
+40			CUT	3.9		23.5	"	25.0	"
247 G	℄		GRADE		496.87	20.0	"	19.0	"
+25			FILL	1.6		18.0	"	18.5	"
248 G	℄		"	1.6	494.38	16.0	FILL	15.5	FILL
249 G	℄		"	2.0	494.16	16.0	"	16.5	"
250 G	℄		"	1.4	494.98	18.0	CUT	18.0	CUT
251 G	℄		"	0.8	495.98	18.5	"	19.0	"
+88			"	0.7		19.0	"	18.5	"
252 G	℄		"	1.2	500.75	20.0	"	19.0	"
+25			CUT	2.7		22.0	"	24.0	"
253 G	℄		FILL	1.2	503.17	16.0	FILL	18.5	"
+45			"	1.8		16.0	"	16.0	FILL
254 G	℄		CUT	3.2	511.52	23.0	CUT	25.0	CUT
255 G	℄		FILL	1.6	510.79	19.0	"	18.5	FILL
+25			"	2.5		19.5	"	19.5	"
+85			CUT	1.8		27.0	"	19.0	CUT
256 G	℄		"	1.7	516.43	26.5	"	19.5	"
257 G	℄		"	0.6		22.5	"	19.6	"
258 G	℄		FILL	0.9	509.94	20.0	"	19.5	"
+45			"	1.9		15.5	FILL	16.6	FILL
259 G	℄		"	3.0	508.38	17.0	"	19.0	"
+55			"	3.3		19.5	CUT	19.0	"
260 Q	℄		CUT	1.8	516.43	26.0	"	19.5	CUT
+85			"	2.2		23.5	"	21.5	"
261 G	℄		"	1.4	518.63	22.5	"	22.0	"
+65			FILL	1.1		20.0	"	18.5	"
262 G	℄		CUT	1.0	519.13	22.0	"	20.0	"
+15			"	1.1		23.0	"	20.5	"
+70			FILL	2.4		15.5	FILL	17.0	FILL
263 G	℄		"	2.2	515.98	15.5	"	16.5	"
264 G	℄		"	1.2	517.91	19.0	CUT	18.0	CUT
265 G	℄		CUT	2.4	524.40	22.5	"	22.0	"
+30			GRADE			22.0	"	19.0	"
+70			CUT	0.1		23.0	"	19.0	FILL
266 G	℄		"	0.6	523.07	19.5	"	17.5	"
+40			"	1.3		24.5	"	19.0	CUT
267 G	℄		"	0.5	519.87	22.0	"	19.0	"
+35			FILL	2.0		16.0	FILL	16.0	FILL
268 G	℄		"	1.7		16.5	"	16.0	"
269 G	℄		"	2.1		16.5	"	16.6	"

IN SETTING SLOPE STAKES, FACE IN DIRECTION IN WHICH STATION NUMBERS INCREASE.

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4		ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6		RIGHT OF C.L. 7	
+65			FILL	2.9		17.5	FILL	17.5	FILL
270 G	℄		"	3.6	516.59	17.5	"	18.0	"
+55			CUT	0.9		20.5	CUT	21.0	CUT
271 G	℄		"	1.0	525.89	21.0	"	20.5	"
272 G	℄		"	1.2	530.85	22.0	"	22.0	"
273 G	℄		"	0.0	535.74	19.0	"	22.0	"
+40			"	0.3		18.0	"	26.0	"
274 G	℄		"	2.9	540.24	19.5	"	29.0	"
+35			"	3.0		19.6	"	27.5	"
275 G	℄		"	0.7	536.28	19.0	"	25.0	"
+50			FILL	1.7		17.5	FILL	22.0	"
276 G	℄		"	1.5	531.02	16.0	"	18.5	"
+20			"	2.0		16.0	"	16.0	FILL
277 G	℄		"	1.3	511.22	15.0	"	15.0	"
278 G	℄		"	1.2	531.00	15.5	"	18.0	CUT
279 G	℄		"	1.3	530.55	15.5	"	16.0	FILL
+30			"	2.8		16.0	"	16.0	"
280 G	℄		"	0.3	533.24	20.0	CUT	18.5	CUT
281 G	℄		"	0.1	536.68	20.0	"	20.5	"
282 G	℄		"	0.1	538.72	18.5	"	21.0	"
+35			CUT	3.0		24.0	"	26.0	"
283 G	℄		"	2.0	540.90	19.5	"	24.5	"
+50			FILL	0.8		16.0	FILL	22.5	"
284 G	℄		"	1.4	536.09	16.5	"	19.0	"
285 G	℄		"	0.6	534.71	16.0	"	19.5	"
286 G	℄		"	0.3	533.38	19.5	CUT	20.0	"
287 G	℄		"	0.8	530.12	16.0	FILL	21.9	"
288 G	℄		CUT	1.2	527.33	20.0	CUT	23.5	"
289 G	℄		"	4.6	524.47	23.5	"	28.0	"
+25			"	4.2		20.0	"	29.5	"
+55			FILL	0.6		16.5	FILL	28.0	"
290 G	℄		"	2.3	511.79	19.0	"	16.5	FILL
+25			"	3.2		18.5	"	18.5	"
+35			"	4.0		18.0	"	18.5	"
+83			"	3.5		17.5	"	18.0	"
291 G	℄		"	3.3	509.68	16.6	"	18.0	"
292 G	℄		"	0.8	512.25	18.5	CUT	17.0	CUT
+25			"	0.0		19.5	"	18.5	"
293 G	℄		"	3.4	509.72	17.5	FILL	19.6	FILL
+40			"	5.6		21.0	FILL	20.5	CUT
+50			"	5.8		22.0	"	19.5	"
294 G	℄		CUT	4.6	521.31	25.5	CUT	25.5	CUT
295 G	℄		"	0.9	521.32	23.0	"	21.5	"
296 G	℄		FILL	0.7		19.5	"	18.5	"
297 G	℄		"	1.4		19.0	"	16.5	FILL
+50			CUT	1.6		22.5	"	20.5	CUT
298 G	℄		"	1.5		21.0	"	22.5	"
299 G	℄		FILL	0.1		21.5	"	19.0	"
300 G	℄		"	0.0		21.0	"	19.0	"
301 G	℄		"	0.3		20.0	"	18.5	"
302 G	℄		"	2.1	527.17	18.5	"	17.0	FILL
303 G	℄		CUT	0.3	530.66	21.0	"	21.0	CUT
304 G	℄		"	0.2	531.17	21.5	"	18.5	"
305 G	℄		"	0.9	530.99	21.5	"	22.0	"
306 G	℄		"	0.6	528.77	21.5	"	20.5	"
+70			"	1.7		22.5	"	23.0	"
307 G	℄		"	0.6	527.22	20.5	"	19.5	"
+40			FILL	3.6		20.0	FILL	19.5	FILL
+56			"	8.2		20.0	"	22.0	"
308 G	℄		"	10.8		22.0	"	31.0	"
+70			CUT	0.2		22.6	CUT	18.0	CUT
309 G	℄		"	1.7	534.43	25.0	"	20.0	"
310 G	℄		"	3.1	543.31	23.5	"	24.6	"
+65 G	℄		"	1.5		18.6	"	24.0	"
311 G	℄		"	0.5	547.23	18.0	"	19.5	"
+35			"	0.4		20.0	"	21.0	"
312 G	℄		FILL	0.1	552.99	16.0	FILL	22.0	"
313 G	℄		"	0.2		16.0	"	23.0	"
314 G	℄		"	0.0	558.08	16.0	"	24.5	"
315 G	℄		CUT	0.7	561.43	20.0	CUT	22.5	"
316 G	℄		FILL	1.2	560.17	15.6	FILL	18.5	"
+35			"	1.2		18.5	CUT	18.0	"
+70			CUT	0.9		21.6	"	18.5	"
317 G	℄		"	0.8	563.34	22.0	"	16.0	FILL
+50			"	1.7		21.0	"	23.0	CUT
318 G	℄		"	0.7	560.22	15.5	FILL	21.5	"
+80			FILL	6.2		21.5	"	24.5	FILL
319 G	℄		"	5.9		21.0	"	26.0	"
+35			"	4.8		17.0	"	23.5	"
+75			"	0.8		18.5	CUT	17.5	CUT
320 G	℄		"	1.6	558.21	16.5	FILL	18.5	"
+20			"	1.5		17.5	"	18.0	"
321 G	℄		CUT	0.4	565.43	21.6	CUT	19.6	"
322 G	℄		"	3.4	571.47	23.0	"	26.0	"
+25			"	1.7		22.0	"	25.0	"
+85			"	1.7		20.0	"	25.0	"
323 G	℄		"	0.4	569.57	19.0	"	23.6	"
+20			FILL	2.0		16.6	FILL	20.0	"
324 Q	℄		"	2.6	567.61	18.0	"	16.6	FILL

GRADE SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	WISC.	187		365	656

WISCONSIN PROJECT NO.
DIV. JOB NO.

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3		CUT OR FILL 4		ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6		RIGHT OF C.L. 7	
249 G	℄	ABOVE	0.84	EXCL	2.0	494.16	16	FILL	16	FILL
250G	℄	"	0.02	"	1.4	494.98	15	"	15	"
251G	℄	"	0.02	FILL	0.7	495.98	185	CUT	19	CUT
+85				CUT	0.2		21	"	19	"
252G	℄	BELOW	2.4	FILL	0.1	500.76	225	"	19	"
+26.7		"	6.0	CUT	4.0	504.34	24	"	24	"
253 H	℄	"	1.3	FILL	0.5	503.63	20	"	19	"
+90.				"	2.3		155	FILL	17.5	FILL
+80				CUT	2.3		22	CUT	24	CUT
254H	℄	"	2.3	"	1.5	510.09	225	"	235	"
+50				FILL	2.4		17	FILL	16	FILL
255H	℄	ABOVE	1.34	"	2.3	519.86	16	"	175	"
+50				CUT	3.65		255	CUT	23	CUT
256H	℄	BELOW	1.3	"	0.6	519.83	22	"	19.5	"
+50				FILL	1.2		18.5	"	16	FILL
257H	℄	"	1.0	"	0.1	523.55	21.5	"	15	"
258H	℄	ABOVE	1.8	"	2.8	523.37	19	"	20	"
259H	℄	BELOW	3.1	CUT	2.2	529.75	26	"	28	CUT
260H	℄	ABOVE	0.4	FILL	1.2	526.69	22	"	18	FILL
261H	℄	"	1.6	"	2.8	525.44	155	FILL	17.5	"
262H	℄	"	1.87	"	2.8	525.13	17	"	17.5	"
263H	℄	BELOW	1.2	CUT	0.6	529.17	20	CUT	21.5	CUT
+75				FILL	0.7		22	"	22	"
264H	℄	"	2.0	CUT	1.3	533.04	225	"	235	"
265H	℄	"	0.2	FILL	0.5	539.43	19.5	"	24	"
266H	℄	"	0.8	CUT	0.3	538.13	19.5	"	22	"
267H	℄	"	1.6	"	1.3	540.53	18.5	"	22	"
268H	℄	"	0.3	FILL	0.1	537.00	19	"	21	"
+70				CUT	1.2		20.5	"	22	"
269H	℄	"	0.9	"	0.1	532.59	18	"	23	"
+80				FILL	5.1		20.5	FILL	19.5	FILL
270H	℄	ABOVE	4.2	"	5.3	524.60	21	"	20	"
+50				"	6.6		22	"	22	"
+75				"	5.6		21	"	21	"
271H	℄	BELOW	1.1	CUT	0.1	529.88	21	CUT	15	"
+40				"	3.4		24.5	"	24.5	CUT
272H	℄	"	5.5	"	4.2	535.34	25	"	25.5	"
+25				"	2.6		21	"	25	"
273H	℄	ABOVE	0.4	FILL	2.2	530.44	18	"	18.5	"
+75				CUT	0.4		19.5	"	20	"
274H	℄	BELOW	1.1	GRADE		532.86	18.5	"	18.5	"
+40				FILL	1.8		15.5	FILL	15	FILL
275H	℄	"	3.2	CUT	2.2	535.99	21.5	CUT	22	CUT
276H	℄	"	1.8	"	0.8	534.95	21	"	18.5	"
+35				FILL	1.3		20.5	"	18.5	"
277H	℄	"	2.17	CUT	1.15	532.12	21	"	17.5	FILL
+20				FILL	2.15		28	"	15.5	"
+60				"	2.05		28	"	18	CUT
278H	℄	ABOVE	0.6	"	1.6	526.97	25	"	16	FILL
+35				"	1.0		21	"	16.5	"
279H	℄	BELOW	1.5	CUT	0.5	529.68	18.5	"	20	CUT
+30				FILL	2.2		16.5	FILL	18.5	FILL
+40				"	3.3		17	"	16.5	"
+50				"	2.4		17	"	16	"
+75				"	2.76		17.5	"	16.5	"
280H	℄	"	0.5	"	0.7	531.67	18	CUT	23.5	CUT
+35				CUT	0.9		21	"	22	"
281H	℄	"	2.2	EXCL	0.9	536.39	20.5	"	21.5	"
282H	℄	ABOVE	0.4	FILL	1.8	537.94	19	"	19	"
283H	℄	"	0.6	"	1.8	542.56	16	FILL	15.5	FILL
284H	℄	"	0.9	"	2.5	547.78	16.5	"	15.5	"
285 H	℄	BELOW	1.3	CUT	0.3	555.52	19	CUT	21	CUT
286H	℄	"	2.1	"	0.9	561.00	21.5	"	20.5	"
287H	℄	"	1.0	FILL	0.1	562.68	21	"	18.5	"
288 H	℄	"	0.3	CUT	0.1	563.96	21.5	"	18.5	"
289 H	℄	"	1.5	FILL	0.7	563.58	20	"	18.5	"
290 H	℄			CUT	0.12	566.83	20	"	19	"
+75				FILL	0.2		21	"	18.5	"
291H	℄			CUT	1.0		22	"	21.5	"
292 H	℄			GRADE			21	"	19	"
293 H	℄	ABOVE	0.2	"		568.85	21	"	18	"
294 H	℄	BELOW	1.0	CUT	0.1	570.47	20.5	"	19.5	"
+65				"	1.4		21	"	18	"
295H	℄	"	2.8	"	1.9	572.64	24.5	"	18	"
+35				"	2.4		22	"	20	"
296H	℄	"	2.5	"	1.2	569.80	18.5	"	22	"
+40				FILL	0.2		18.5	"	18.5	"
297 H	℄	ABOVE	1.7	"	2.8	560.80	17.5	FILL	19	FILL
+25				"	2.7		18.5	"	18	"
+35				"	4.75		20	"	20	"
+45				"	3.75		19.5	"	19	"
+55				"	3.2		19	"	18.5	CUT
+80				"	1.7		17	"	21.5	"
298H	℄	BELOW	0.8	"	0.5	558.28	15	"	20	CUT
+30				CUT	2.4		20	CUT	25	"
299H	℄	ABOVE	0.07	FILL	1.2	552.93	19	"	15.5	FILL
+40				"	1.7		15.5	FILL	15.5	"
300 H	℄	"	0.1	"	1.3	551.86	18.5	CUT	18	CUT

NOTE: IN GRADING CHECK HEIGHT OF FINISHED GRADE BY COLUMN No. 3 OF GRADE SHEET.

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3		CUT OR FILL 4		ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6		RIGHT OF C.L. 7	
301 H	℄	Grade		FILL	1.8	552.03	15.5	FILL	15.5	FILL
302 H	℄	ABOVE	0.6	"	1.8	551.91	15.5	"	15.5	"
303 H	℄	BELOW	0.5	"	0.6	552.52	19	CUT	21	CUT
304 H	℄	"	1.5	CUT	0.4	553.84	24	"	23	"
+70				FILL	2.1		22.5	"	22.5	"
305 H	℄	ABOVE	0.8	"	2.0	554.23	18	"	18	"
+70				CUT	2.0		23.5	"	15.5	FILL
306 H	℄	BELOW	4.35	"	2.9	562.05	22.5	"	24	CUT
+60				"	5.0		24	"	27.5	"
307 H	℄	ABOVE	3.5	"	2.0	561.23	18	"	29.5	"
+30				FILL	2.2		16.5	FILL	28	"
308 H	℄	ABOVE	1.83	"	3.0	553.17	17.5	"	19	"
309 H	℄	BELOW	0.7	"	0.5	553.67	16.5	FILL	16.5	FILL
310 H	℄	"	2.3	CUT	1.1	555.26	18	CUT	20.5	CUT
311 H	℄	ABOVE	0.26	FILL	1.3	552.74	20	"	22.5	"
312 H	℄	"	1.18	"	2.1	552.32	15.5	FILL	19	CUT
313 H	℄	BELOW	0.2	"	0.8	553.17	16	"	16	FILL
314 H	℄	"	1.0	"	0.5	558.81	19.5	CUT	19	CUT
315 H	℄	ABOVE	3.2	"	4.4	558.10	20	"	19.5	"
+70				"	5.1		19.5	FILL	19.5	FILL
316 H	℄	"	1.3	"	2.9	563.73	2.0	"	20	"
317 H	℄	BELOW	5.4	CUT	4.0	575.42	17	"	16	"
318 H	℄	"	2.8	"	1.8	577.77	25	CUT	26.5	CUT
319 H	℄	"	1.3	GRADE		580.98	23	"	21.5	"
320 H	℄	"	0.2	FILL	0.9	582.18	21	"	19.5	"
321 H	℄	"	1.1	GRADE		585.86	19	"	18.5	"
322 H	℄	"	1.0	FILL	4.7	588.62	21	"	19.5	"
323 H	℄	"	1.8	CUT	1.7	591.80	19.5	FILL	19.5	FILL
324 H	℄	"	6.0	"	4.7	596.08	22	CUT	22	CUT
325 H	℄	"	7.1	"	5.8	594.65	28	"	26	"
+75				"	4.25		29.5	"	29.5	"
326 H	℄	"	3.2	"	2.0	585.15	28.5	"	26.5	"
+50				"	0.2		27.5	"	23	"
327 H	℄	ABOVE	3.2	FILL	4.3	571.84	29.5	"	16.5	"
+50				"	8.2		26	"	24	FILL
328 H	℄	"	6.72	"	7.9	564.28	24	FILL	26	"
329 H	℄	"	4.9	"	6.0	565.59	25	"	25	"
330 H	℄	"	1.9	"	3.3	572.10	22	"	22	"
+30				CUT	1.1		19.5	"	20	"
+70				"	3.0		15.5	"	26.5	CUT
331 H	℄	BELOW	3.2	"	1.8	583.24	19.5	CUT	26.5	"
+45				FILL	0.5		19.5	"	24	"
332 H	℄	"	2.3	CUT	1.1	588.27	17	FILL	23.5	"
+50				"	0.6		20	CUT	22.5	"
333 H	℄	"	3.2	"	1.9	595.12	22.5	"	22.5	"
334 H	℄	"	1.6	"	0.7	597.01	21.5	"	26	"
335 H	℄	GRADE		FILL	1.1	596.67	21	"	20.5	"
336 H	℄	ABOVE	3.9	"	5.2	597.26	20	"	15	FILL
337 H	℄	"	5.8	"	7.0	602.40	18.5	FILL	21.5	"
+65				"	5.9		19	"	31.5	"
338 H	℄	"	4.0	"	5.1	611.16	17.5	"	27	"
+50				"	1.7		15.5	"	25.5	"
+80				GRADE			29	CUT	22.5	"
339 H	℄	BELOW	0.5	FILL	0.6	622.68	33	"	18.5	"
+50				CUT	6.2		32	"	18.5	"
340 H	℄	"	8.5	"	7.1	637.65	36	"	21	CUT
341 H	℄	"	6.0	"	5.8	642.20	37.5	"	25	"
+30				"	4.1		32.5	"	22	"
342 H	℄	ABOVE	0.3	FILL	1.4	641.76	29	"	21	"
343 H	℄	BELOW	1.4	CUT	0.3	646.18	20	"	17	FILL
+50				"	2.6		18	"	20.5	CUT
344 H	℄	"	1.8	"	0.5	647.36	22.5	"	25	"
+65				FILL	0.5		22	"	22.5	"
345 H	℄	"	1.5	CUT	0.4	647.81	21	"	19	"
+45				"	0.8		24	"	15	FILL
346 H	℄	ABOVE	1.5	FILL	2.0	645.55	23	"	18	CUT
347 H	℄	"	1.0	"	0.3	646.71	19	"	18.5	FILL
+50				"	3.7		19.5	CUT	18.5	"
348 H	℄	"	0.3	"	1.3	651.0	16.5	FILL	18.	"
+30				CUT	2.4		19.5	"	21	CUT
+60				FILL	0.9		19	CUT	26.5	"
349 H	℄	BELOW	3.2	CUT	2.9	653.54	19	"	21	"
+55				"	6.0		22	"	23.5	"
350 H	℄	"	3.7	"	2.2	662.99	28.5	"	25	"
+10				"	0.6		24.5	"	20.5	"
351 H	℄	"	0.5	FILL	0.6	660.06	21.5	"	20	"
352 H	℄	GRADE		"	1.1	659.27	19	"	18.5	"
353 H	℄	ABOVE	0.4	"	1.8	658.69	19	"	15	FILL
354 H	℄	BELOW	2.4	CUT	1.1	661.11	19	"	15.5	"
355 H	℄	"	1.3	"	0.3	658.80	27	"	20	CUT
356 H	℄	ABOVE	1.2	FILL	2.6	654.23	21	"	19	"
+40				"	4.9		16	FILL	18.5	FILL
357 H	℄	BELOW	0.8	"	0.5	656.49	18.5	"	21	"
+45				CUT	1.7		21.5	CUT	18	CUT
358 H	℄	GRADE		FILL	1.1	656.20	23.5	"	21	"
359 H	℄	BELOW	2.2	CUT	0.9	658.16	24.5	"	16.5	FILL
+30				"	0.5		26	"	19	CUT
360 H	℄	"	1.0	FILL	0.3	653.87	22	"	18.5	"
									16	FILL

IN SETTING SLOPE STAKES, FACE IN DIRECTION IN WHICH STATION NUMBERS INCREASE.

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3		CUT OR FILL 4		ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6		RIGHT OF C.L. 7	
361 H	℄	BELOW	0.39	FILL	0.5	698.99	2.0	CUT	18.5	CUT
362 H	℄	"	1.1	GRADE		695.56	23	"	19.5	"
+60				FILL	0.2		21.5	"	18.5	"
+80				CUT	0.5		22	"	18.5	"
+90				"	1.9		24.5	"	18.5	"
363 H	℄	"	2.3	"	1.2	644.33	23	"	18.5	"
+10				FILL	0.8		19.5	FILL	20	"
+25				CUT	2.7		21.5	"	20	"
+43				FILL	5.4		22	CUT	16.5	FILL
+50				CUT	0.25		22	"	20	"
364 H	℄	"	1.2	GRADE		690.69	22.5	"	15	"
365 H	℄	"	0.3	FILL	0.9	637.29	20.5	"	18	CUT
+50				GRADE			20.5	"	19.5	"
366 H	℄	ABOVE	0.4	FILL	1.4	634.81	18	"	17	FILL
+25				"	3.0		16.5	FILL	17.5	"
367 H	℄	"	0.3	"	1.5	635.02	19	CUT	15.5	"
+70				CUT	1.8		23	"	21.5	CUT
368 H	℄	BELOW	2.0	"	0.9	637.40	23	"	20.5	"
+70				FILL	2.0		15	FILL	17	FILL
369 H	℄	"	1.5	CUT	0.3	635.40	20.5	CUT	18.5	CUT
+35				"	1.8		22.5	"	20.5	"
370 H	℄	"	0.5	FILL	0.8	632.85	20	"	19.5	"
371 H	℄	"	1.2	CUT	0.1	632.06	21	"	19	"
+40				"	0.7		21	"	18.5	"
+50				FILL	4.6		20	FILL	17.5	FILL
372 H	℄	ABOVE	3.7	"	4.7	626.56	20	"	19	"
+70				"	4.8		20	"	20	"
373 H	℄	"	0.2	"	1.6	630.77	18.5	CUT	19.5	CUT
+30				CUT	1.1		23	"	22.5	"
374 H	℄	BELOW	5.1	"	4.0	637.11	29	"	24	"
+40				"	3.8		28.5	"	23.5	"
375 H	℄	GRADE		FILL	1.4	632.96	18.5	"	20	"
+40				"	6.5		28	FILL	19.5	FILL
376 H	℄	ABOVE	7.4	"	8.3	626.56	27	"	17.5	"
+50				"	0.7		18	"	24	CUT
377 H	℄	BELOW	3.1	CUT	2.1	637.64	19.5	CUT	34	"
+30				"	4.9		22.5	"	34.5	"
+60				"	3.2		20	"	30.5	"
378 H	℄	"	5.1	"	3.6	637.25	19	"	29.5	"
379 H	℄	"	5.6	"	4.0	632.09	26	"	27	"
+80				"	3.9		26	"	26	"
380 H	℄	"	3.0	"	1.9	622.45	22	"	25	"
+50				FILL	0.5		15.5	FILL	21.5	"
381 H	℄	ABOVE	5.7	"	6.7	606.78	24.5	"	21	FILL
+15				CUT	8.3		23	"	25.5	"
382 H	℄	"	3.0	FILL	4.0	603.15	19	"	19	"
383 H	℄	"	1.4	CUT	2.3	602.96	16.5	"	16.5	"
384 H	℄	BELOW	0.1	FILL	0.1	603.50	14.5	"	14.5	"
385 H	℄	"	0.4	FILL	0.6	602.83	14	"	14	"
+30				CUT	0.25		13	"	14	"
386 H	℄	"	0.5	FILL	0.8	601.89	13.5	"	16	"
387 H	℄	"	0.5	CUT	0.7	600.89	13.5	"	14	"
388 H	℄	"	0.11	FILL	1.3	599.55	14.5	"	13.5	"
389 H	℄	"	0.6	FILL	0.3	599.20	19.5	CUT	18.5	CUT
390 H	℄	"	1.4	CUT	0.2	600.10	21.5	"	15.5	FILL
391 H	℄	"	1.0	FILL	0.1	599.84	20	"	19.5	CUT
392 H	℄	"	1.3	CUT	0.4	600.24	23.5	"	18	"
+30				GRADE			18.5	"	15.5	FILL
+45				FILL	2.4		19	"	16.5	"
+55				CUT	0.85		21.5	"	16.5	CUT
393 H	℄	"	1.1	GRADE		599.72	20	"	20	"
+70				CUT	2.6		23	"	23	"
394 H	℄			CUT	2.7		21	"	23	"
+95				FILL	5.0		18.5	FILL	19	FILL
395 H	℄	ABOVE	1.5	CUT	2.7	590.06	17	"	16.5	"
+45				"	1.0		16.5	"	19	CUT
396 H	℄	BELOW	2.1	CUT	0.8	592.30	19.5	CUT	25.5	"
397 H	℄	"	0.9	FILL	0.3	591.16	18	"	21	"
+85				"	2.4		15.5	FILL	16	FILL
398 H	℄	ABOVE	1.6	"	1.8	589.75	19.5	CUT	16.5	"
+65				CUT	3.2		28	"	21.5	CUT
399 H	℄	BELOW	2.3	"	1.6	592.31	26	"	18.5	"
400 H	℄	"	1.3	"	0.1	588.14	20	"	21	"
+95				FILL	1.1		15	FILL	19.5	"
401 H	℄	"	2.4	CUT	0.9	589.28	21.5	CUT	22	"
+70				FILL	1.1		15	FILL	18.5	"
402 H	℄	ABOVE	0.3	"	1.5	577.10	15.5	"	18	"
403 H	℄	BELOW	0.1	"	1.0	576.50	18.5	CUT	19.5	"
+80				"	2.7		16	FILL	17.5	FILL
404 H	℄	ABOVE	0.3	"	1.6	576.10	15	"	17.5	"
405 H	℄	"	0.6	"	1.8	575.80	14.5	"	15.5	"
406 H	℄	BELOW	0.7	"	0.7	577.08	22	CUT	19.5	CUT
+70				CUT	1.5		22.5	"	21	"
407 H	℄	"	2.5	"	1.1	579.81	21.5	"	21	"
408 H	℄	"	2.1	"	0.2	579.96	20	"	19.5	"
409 H	℄	GRADE		FILL	1.5	581.33	18	"	15.5	FILL
410 H	℄	ABOVE	3.0	"	4.0		18	FILL	20	FILL
+20				"	4.1		17.5	"	21	"
411 H	℄	BELOW	0.9	"	0.1	590.72	24	CUT	18.5	CUT

GRADE SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	WISC.	187		4	56

WISCONSIN PROJECT NO.
DIV. JOB NO.

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4	ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6	DISTANCE C.L. TO SLOPE STAKES RIGHT OF C.L. 7
411 H	℄	BELOW 0.9	FILL 0.1	590.72	24 CUT	18.5 CUT
+55			CUT 0.5		24 "	15. FILL
412 H	℄	ABOVE 3.0	" 2.0	598.33	26 "	20.5 CUT
413 H	℄	" 0.2	FILL 1.0	599.65	22 "	15.5 FILL
+30			GRADE		24 "	15.5 "
+65			CUT 3.2		27 "	22.5 CUT
414 H	℄	" 2.8	" 1.6	603.78	22.5 "	21. "
415 H	℄	ABOVE 0.6	FILL 1.9	600.43	16.5 FILL	16.5 FILL
416 H	℄	" 0.1	" 1.7	601.39	15.5 "	15.5 "
+60			" 1.4		17.5 "	18.5 CUT
417 H	30' LEFT	BELOW 2.1	CUT 1.3	605.93	23. CUT	21.5 "
+45			" 2.3		29 "	20.5 "
418 H	30' "	ABOVE 1.34	" 0.5	604.96	24.5 "	15. FILL
+50			FILL 1.55		19 FILL	19 "
419 H	30' "	" 1.5	" 2.1	607.32	16 "	17 "
420 H	25' RIGHT	BELOW 2.1	" 0.2	613.39	21 CUT	20 CUT
421 H	25' LEFT	" 5.8	CUT 1.8	618.14	25.5 "	27 "
422 H	32' "	" 1.6	" 0.5	613.71	18.5 "	20.5 "
423 H	30' "	ABOVE 0.7	FILL 1.0	610.31	16 FILL	15 FILL
424 H	30' RIGHT	" 0.94	" 1.1	608.96	16. "	16.5 "
425 H	30' LEFT	" 0.2	" 0.5	608.59	16.5 "	16.5 "
+25			CUT 0.1		18.5 CUT	18.5 CUT
426 H	30' RIGHT	BELOW 6.6	" 0.3	614.30	20.5 "	21 "
427 H	25' LEFT	" 8.8	" 1.2	615.45	20.5 "	25 "
428 H	35' RIGHT	" 8.9	" 2.3	613.83	25 "	24 "
429 H	30' "	" 6.0	" 0.3	609.19	21 "	22.5 "
+50			FILL 1.1		18 "	19.5 "
430 H	30' "	ABOVE 1.1	" 3.0	600.92	18 "	16.5 FILL
431 H	30' "	BELOW 1.3	CUT 0.1	601.05	19.5 "	21.5 CUT
432 H	35' "	" 0.3	FILL 0.5	599.27	19 "	19.5 "
433 H	25' "	ABOVE 0.4	" 1.7	598.57	15 FILL	18.5 "
434 H	25' "	" 0.9	" 1.2	598.12	15.5 "	17.5 FILL
435 H	25' "	" 1.1	" 1.5	597.96	16 "	17 "
436 H	25' "	" 0.7	" 1.3	598.29	16.5 "	17 "
437 H	30' "	" 0.5	" 1.2	598.49	15.5 "	17.5 "
438 H		" 1.2	" 0.9	597.82	16 "	16.5 "
439 H	30' LEFT	" 0.32	" 0.3	598.88	19.5 CUT	18 CUT
440 H	30' RIGHT	BELOW 0.1	" 1.0	601.93	18 "	17 FILL
+50			" 0.9		15.5 FILL	17.5 "
441 H	25' LEFT	ABOVE 0.69	CUT 0.3	605.31	25 CUT	19.5 CUT
+45			CUT 2.45		37.5 "	27 "
442 H	30' "	" 0.58	" 2.3	610.42	34.5 "	19.5 "
+75			" 3.0		32 "	23 "
443 H	30' "	" 0.92	" 2.7	613.38	32 "	20.5 "
444 H	30' "	" 5.82	" 0.3	608.28	30.5 "	20.5 FILL
+30			" 0.5		38.5 "	18 CUT
445 H	30' "	" 3.5	FILL 0.9	608.10	23 "	17 FILL
446 H	25' RIGHT	BELOW 3.6	" 0.6	612.72	22.5 "	19 "
447 H	30' "	" 2.3	" 0.6	610.39	20 "	18 "
448 H	30' "	" 2.6	CUT 0.5	613.13	21 "	19 CUT
449 H	25' "	" 2.2	" 1.3	614.12	21.5 "	23.5 "
+90			" 1.64		25 "	25 "
450 H	25' LEFT	" 2.4	FILL 0.3	612.07	21.5 "	21.5 "
451 H	30' "	" 0.6	" 1.2	607.74	18 FILL	17.5 FILL
452 H	℄	" 1.0	" 0.2	605.46	19 CUT	21.5 CUT
+45			CUT 3.27		22 "	25 "
453 H	℄	" 0.7	FILL 0.2	602.66	18.5 "	24 "
+75			" 4.6		18.5 FILL	21.5 FILL
454 H	℄	ABOVE 0.33	" 1.8	600.67	17.5 "	15.5 "
455 H	℄	" 0.46	" 1.8	600.54	18.5 CUT	15.5 "
+70			CUT 1.7		23 "	18 CUT
456 H	℄	BELOW 2.25	" 1.2	603.25	25 "	18.5 FILL
+35			" 2.4		22.5 "	20.5 CUT
457 H	℄	" 1.0	FILL 0.92	602.04	23.5 "	18 "
458 H	℄	ABOVE 0.02	" 1.7		15.5 FILL	15.5 FILL
459 H	℄	" 1.6	" 1.6	601.18	15.5 "	15.5 "
460 H	℄	BELOW 2.4	CUT 0.8	605.44	18.5 CUT	20.5 CUT
+35			" 0.9		20 "	20.5 "
376 F	℄	" 1.67	" 0.62	605.85	21.5 "	19.5 "
+15			FILL 2.1		16 FILL	18.5 "
+70			" 2.9		17 "	16.5 FILL
377 F	℄	" 0.9	" 0.2	607.55	19.5 CUT	21.5 CUT
+50			CUT 0.5		15.5 FILL	26 "
378 F	℄			612.06	17.5 "	29.5 "

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4	ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6	DISTANCE C.L. TO SLOPE STAKES RIGHT OF C.L. 7

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4	ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6	DISTANCE C.L. TO SLOPE STAKES RIGHT OF C.L. 7

NOTE: IN GRADING CHECK HEIGHT OF FINISHED GRADE BY COLUMN No. 3 OF GRADE SHEET.

IN SETTING SLOPE STAKES, FACE IN DIRECTION IN WHICH STATION NUMBERS INCREASE.

GRADE SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	WISC.	187		56	56

WISCONSIN PROJECT NO. 187
DIV. JOB NO. 8154

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4		ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6		RIGHT OF C.L. 7	
324Q+20			FILL	2.3		17.0	FILL	19.5	CUT
+75			CUT	1.4		19.6	CUT	24.0	"
325 Q	℄		"	0.3	572.20	19.6	"	22.0	"
326 Q	℄		FILL	0.2	572.29	20.5	CUT	19.0	"
+65			CUT	1.4		22.5	"	27.5	"
327 Q	℄		"	1.1	572.09	18.5	"	25.0	"
+20			"	1.1		19.0	"	25.0	"
328 Q	℄		FILL	3.3		21.5	FILL	19.0	"
+40			"	2.0		17.5	"	20.5	"
329 Q	℄		"	1.8	565.91	16.5	"	18.5	"
+56			CUT	1.4		26.0	CUT	20.5	"
330 Q	℄		"	1.3	569.03	28.0	"	20.5	"
331 Q	℄		FILL	2.5	567.48	16.5	FILL	21.0	"
+46			"	1.4		17.5	"	21.0	"
332 Q	℄		"	0.0	569.30	16.5	"	22.5	"
333 Q	℄		CUT	1.0		18.5	CUT	24.0	"
254 F	℄		"	1.7	571.43	19.0	"	27.5	"
+70	℄		FILL	0.8		18.6	FILL	23.0	"
256F	℄		CUT	1.1	568.07	19.0	CUT	21.0	"
+25			FILL	2.6		18.5	FILL	16.5	FILL
256 F	℄		"	3.4	561.98	18.0	"	15.5	"
+50			"	1.5		25.5	"	20.0	"
257 F	℄		CUT	0.9	567.48	18.5	CUT	25.5	CUT
+60			"	2.1		21.0	"	24.0	"
258 F	℄		"	1.4	571.60	19.6	"	24.0	"
+70			FILL	2.9		19.6	FILL	23.0	"
259 F	℄		"	3.3	570.30	22.5	C "	23.0	"
+20			"	3.9		25.0	"	22.0	"
260 F	℄		CUT	1.9	579.68	16.5	"	30.0	"
+55			"	2.7		19.6	CUT	24.0	"
261 F	℄		"	2.1	582.75	20.0	"	23.5	"
+30			FILL	1.4		16.0	FILL	19.5	"
262 F	℄		"	0.2	581.69	18.6	CUT	20.5	"
263 F	℄		CUT	0.1	581.89	19.6	"	20.5	"
264 F	℄		"	1.8	580.61	21.5	"	25.0	"
+65			FILL	2.1		19.5	FILL	21.0	"
265 F	℄		CUT	0.2	573.99	18.5	"	23.5	"
+60			FILL	0.9		18.0	"	24.0	"
266 F	℄		"	0.4	568.53	17.5	"	24.5	"
+75			"	4.2		21.0	"	17.0	FILL
267 F	℄		"	1.3	565.97	18.0	"	20.5	CUT
+80			"	3.4		18.5	"	16.0	FILL
268 F	℄		"	1.9	567.42	15.5	"	20.5	CUT
+60			CUT	0.6		18.5	CUT	22.5	"
269 F	℄		FILL	0.3	572.29	19.5	"	21.0	"
270 F	℄		"	0.1	576.02	20.5	"	20.0	"
271 F	℄		CUT	0.8	579.68	21.5	"	20.5	"
272 F	℄		"	0.2	579.86	15.0	FILL	23.0	"
273 F	℄		FILL	0.1	578.99	16.5	"	23.5	"
274 F	℄		CUT	0.3	577.43	16.0	"	25.5	"
275 F	℄		"	0.6	574.67	18.0	CUT	24.8	"
+70			"	1.2		16.5	FILL	24.5	"
276 F	℄		FILL	0.8	568.41	19.5	"	21.0	"
+35			"	2.3		18.5	"	20.0	"
277 F	℄		"	0.9	564.59	18.5	"	22.0	"
278 F	℄		"	0.2	562.49	16.0	"	19.5	"
279 F	℄		"	0.1	562.27	18.0	CUT	20.5	"
280 F	℄		"	1.1	561.61	18.0	FILL	21.0	"
+40			"	1.5		18.5	"	21.0	"
281 F	℄		"	0.7	562.69	16.5	"	22.5	"
282 F	℄		CUT	0.8	565.54	17.0	"	24.0	"
+80			"	2.4		16.5	CUT	31.0	"
283 F	℄		"	1.4	564.00	24.5	FILL	31.5	"
+30			"	2.6		16.0	"	36.5	"
284 F	℄		FILL	0.2	557.79	18.0	"	29.0	"
+40			"	3.9		19.5	"	20.0	FILL
+60			"	4.8		20.6	"	20.0	FILL
285 F	℄		"	3.6	551.02	18.6	"	18.6	"
+70			"	1.3		23.5	CUT	18.5	"
286 F	℄		CUT	0.5	555.55	23.0	"	14.6	"
+35			FILL	3.0		17.0	FILL	17.5	"
+65			"	4.1		17.0	"	17.0	"
287 F	℄		"	1.2	555.88	16.5	"	15.0	"
288 F	℄		CUT	1.8	561.48	22.5	CUT	21.5	CUT
+60			"	2.4		23.5	"	23.5	"
486			FILL	1.8		18.5	"	14.6	FILL
289 F	℄		CUT	1.1	561.92	21.6	"	19.5	CUT
290 F	℄		FILL	1.3	561.58	20.0	"	15.6	FILL
291 F	℄		"	1.1	563.60	20.5	"	18.0	CUT
292 F	℄		CUT	0.6		20.0	"	20.0	"
293 F	℄		FILL	2.4	568.43	16.5	FILL	19.0	"
+55			"	0.5		18.0	"	22.0	"
294 F	℄		"	0.9	573.41	18.0	"	23.0	"
295 F	℄		"	0.7	577.78	19.0	CUT	22.0	"
+75			"	0.5		21.0	"	19.5	"
296 F	℄		CUT	2.3	584.43	22.5	"	25.0	CUT
+75			FILL	1.8		17.0	FILL	15.0	FILL
297 F	℄		CUT	1.5	581.85	16.0	"	19.5	CUT
+65			"	0.2		19.0	CUT	24.5	"

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4		ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6		RIGHT OF C.L. 7	
298 F	℄		FILL	0.1	584.01	18.0	CUT	21.5	CUT
+75			CUT	0.5		20.0	"	21.0	"
299 F	℄		FILL	2.7	583.46	16.5	FILL	16.0	FILL
+80			"	3.2		19.0	"	16.5	"
300 F	℄		"	1.6	586.32	17.5	"	22.0	CUT
+30			CUT	0.5		16.0	"	25.0	"
+70			FILL	1.0		17.5	"	29.6	"
301 F	℄		CUT	1.9	594.51	16.5	"	30.5	"
+20			"	2.1		14.5	"	28.5	"
+75			FILL	0.5		22.5	"	26.5	"
302 F	℄		"	0.4	595.06	23.5	"	32.5	"
+85			CUT	5.9		19.6	CUT	42.6	"
+65			"	5.0		19.0	"	39.0	"
303 F	℄		FILL	0.2	596.38	21.0	FILL	21.6	"
+35			"	5.1		23.0	"	19.0	FILL
304 F	℄		"	4.1	592.07	20.0	"	19.6	"
+75			CUT	4.2		22.0	CUT	25.5	CUT
305 F	℄		"	2.7	601.09	21.0	"	24.0	"
+20			"	0.5		20.0	"	21.0	"
306 F	℄		FILL	1.1	598.11	18.0	"	16.0	FILL
307 F	℄		"	1.8	589.60	19.0	"	16.5	"
+36			CUT	2.8		16.0	FILL	17.5	"
308 F	℄		"	1.7	607.46	24.6	CUT	19.0	CUT
309 F	℄		FILL	0.4	607.81	20.0	"	18.0	"
310 F	℄		CUT	1.1	608.45	20.0	"	23.0	"
+40			FILL	2.4		17.5	FILL	20.5	"
+75			CUT	0.6		16.5	CUT	26.0	"
311 F	℄		FILL	0.6	603.45	18.0	FILL	24.5	"
+45			CUT	2.1		19.5	CUT	26.6	"
312 F	℄		"	0.4	601.21	15.5	FILL	23.5	"
+50 F	℄		FILL	2.0		18.5	"	18.0	"
313 F	℄		"	3.2	593.80	18.5	"	18.6	FILL
314 F	℄		CUT	0.4	594.63	21.6	CUT	19.0	CUT
315 F	℄		FILL	0.2	592.18	19.5	"	20.0	"
316 F	℄		CUT	0.4	592.26	21.5	"	18.5	"
+55 F			FILL	3.2		16.5	FILL	18.0	FILL
317 F	℄		"	2.0		17.0	"	20.0	"
+30			"	2.9		17.5	"	17.0	"
+65			CUT	1.0		22.0	CUT	18.0	CUT
318 F	℄		"	0.3	590.14	23.5	"	20.0	"
319 F	℄		"	0.9	590.95	23.5	"	22.5	"
320 F	℄		FILL	1.6	588.77	19.0	"	16.0	FILL
+20			"	0.0		19.5	"	18.5	CUT
+66			"	2.4		17.5	FILL	16.5	FILL
321 F	℄		CUT	0.3	591.18	22.0	CUT	19.0	CUT
322 F	℄		FILL	0.1	590.62	21.0	"	21.0	"
323 F	℄		CUT	4.3	593.82	24.0	"	29.0	"
+50			"	5.5		21.6	"	31.5	"
324 F	℄		"	0.7	585.28	19.0	"	28.0	"
325 F	℄		FILL	1.1	576.54	17.5	FILL	21.0	"
326 F	℄		"	0.0	570.93	19.0	CUT	22.5	"
327 F	℄		"	5.9		21.5	FILL	20.0	FILL
+65			"	8.8		26.5	"	27.0	"
328 F	℄		CUT	2.7	566.41	22.0	CUT	21.5	CUT
+65			"	5.0		27.5	"	23.0	"
329 F	℄		"	3.3	566.28	25.0	"	24.5	"
+20			"	1.5		25.0	"	21.5	"
330 F	℄		"	3.1	565.72	26.5	"	21.0	"
+65			FILL	3.0		16.0	FILL	17.5	FILL
331 F	℄		"	0.8	561.49	19.5	CUT	18.5	CUT
+57			"	4.8		23.0	FILL	24.0	FILL
+70			"	3.8		26.0	"	26.5	"
332 F	℄		"	11.3	550.24	30.0	"	30.0	"
+35			"	11.9		28.5	"	32.5	"
+90			CUT	0.5		21.0	CUT	36.0	CUT
333 F	℄		"	0.9	565.89	21.5	"	20.5	"
+40			"	1.7		24.0	"	21.5	"
+75			FILL	2.1		17.0	FILL	20.5	"
334 F	℄		CUT	4.2	574.55	23.0	CUT	31.5	"
+30 F			"	8.0		30.0	"	34.5	"
+60			"	8.1		28.5	"	30.0	"
335 F	℄		"	2.3	579.35	27.5	"	23.0	"
336 F	℄		FILL	3.3	579.66	19.0	FILL	18.5	FILL
+35			"	5.7		22.5	"	22.0	"
337 F	℄		"	0.7	588.49	18.0	"	20.0	CUT
+40			CUT	1.6		21.0	CUT	22.6	"
338 F	℄		"	3.8	598.41	30.0	"	23.5	"
+50			"	2.0		23.0	"	18.5	"
339 F	℄		"	2.2	599.90	23.0	"	24.5	"
+30			"	1.2		15.0	FILL	22.5	"
+60			FILL	2.4		21.5	"	19.6	FILL
340 F	℄		"	3.7	593.62	20.0	"	19.0	"
+30			"	6.0		21.5	"	22.0	"
+90			"	1.9		18.5	CUT	20.0	CUT
341 F	℄		CUT	0.1	596.44	22.0	"	22.6	"
+30			"	4.3		27.5	"	25.0	"
+60			"	3.0		26.5	"	23.0	"
342 F	℄		FILL	0.2	595.09	21.6	"	20.6	"
+50			"	1.1		16.5	FILL	20.0	"

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4		ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6		RIGHT OF C.L. 7	
343 F	℄		CUT	0.8	595.18	21.0	CUT	21.0	CUT
+65			FILL	0.9		18.5	"	16.0	FILL
344 F	℄		"	2.0	591.30	17.5	FILL	17.0	"
345 F	℄		"	3.6	589.37	19.0	"	18.5	"
+50			"	3.3		18.6	"	16.0	"
346 F	℄		CUT	2.5	596.84	19.6	CUT	34.5	CUT
+30			"	4.6		23.5	"	36.5	"
347 F	℄		"	1.9	597.88	20.6	"	27.5	"
348 F	℄		FILL	1.4	595.52	18.0	FILL	19.5	"
349 F	℄		"	1.6	596.62	16.5	"	15.5	FILL
350 F	℄		"	2.9	596.82	17.5	"	16.5	"
+70			"	2.4		17.6	"	22.0	CUT
351 F	℄		CUT	0.6		17.0	"	24.0	"
352 F	℄		"	4.2	605.90	23.0	CUT	25.0	"
+50			"	4.6		24.5	"	26.0	"
353 F	℄		"	1.3	603.19	23.0	"	23.0	"
354 F	℄		FILL	1.7	600.34	16.0	FILL	15.5	FILL
355 F	℄		"	1.8	600.03	16.0	"	15.5	"
356 F	℄		"	1.2	601.32	15.0	"	15.0	"
357 F	℄		"	1.5	600.45	16.5	"	15.6	"
358 F	℄		"	1.3	600.76	15.0	"	15.0	"
359 F	℄		"	0.1	601.60	19.0	CUT	19.0	CUT
+66			CUT	3.2		23.5	"	20.5	"
360 F	℄		CUT	0.3	603.04	24.5	"	19.0	"
+40			FILL	0.3		20.5	"	18.6	"
361 F	℄		CUT	0.4	602.91	20.5	"	20.0	"
+70			"	3.0		21.0	"	23.5	"
362 F	℄		"	0.8	606.60	19.5	"	20.5	"
150			FILL	1.7		21.6	"	16.5	FILL
363 F	℄		"	3.1	606.00	19.8	"	18.6	"
364 F	℄		CUT	1.9	614.65	25.5	"	18.6	CUT
+25			"	3.7		27.0	"	20.5	"
+80			"	3.1		27.5	"	24.0	"
365 F	℄		"	4.9	618.56	28.0	"	25.5	"
+50			"	3.3		39.0	"	39.0	"
366 F	℄		"	0.3	611.13	22.5	"	21.0	"
+50			FILL	1.9		18.6	FILL	16.0	FILL
367 F	℄		"	2.4	604.76	17.5	"	16.0	"
368 F	℄		"	0.9	603.78	18.0	CUT	19.0	CUT
369 F	℄		"	2.2	601.79	16.5	FILL	16.5	FILL
+86			"	1.0		18.0	CUT	15.5	"
370 F	℄		"	1.1	602.96	18.5	"	18.5	CUT
371 F	℄		"	1.6	603.32	18.5	FILL	18.0	"
+30			"	1.1		16.0	"	19.5	"
372 F	℄		"	1.1	603.30	18.5	"	19.0	"
373 F	℄		"	1.1	603.47	20.0	CUT	20.0	"
374 F	℄		"	1.1	603.36	19.0	"	18.5	"
375 F	℄		"	0.2	604.36	20.0	"	21.5	"
+60			CUT	3.5		14.5	FILL	18.0	"
+80			"	3.2		24.0	CUT	23.0	"
376 F	℄		"	0.7	605.85	22.0	"	20.0	"
+15			FILL	1.9		16.0	FILL	19.0	"
+70			"	2.7		16.5	"	16.5	FILL
377 F	℄		"	0.0	607.55	20.0	CUT	22.5	CUT
+50			CUT	0.6		16.0	FILL	25.5	"
378 F	℄		"	0.3	612.06	18.6	"	29.0	"
+40			FILL	0.2		20.5	"	26.0	"
379 F	℄		"	3.8	612.50	23.5	"	16.0	FILL
+30			"	2.6		19.6	"	21.0	CUT
+60			CUT	0.9		17.0	"	27.0	"
380 F	℄		"	4.8	624.08	22.0	CUT	29.0	"
+35			"	6.7		29.0	"	25.5	"
+60			"	6.2		32.0	"	22.6	"
381 F	℄		FILL	2.8	618.54	20.0	"	21.0	FILL
+50			"	5.7		16.5	FILL	27.0	"
382 F	℄		CUT	3.7	624.98	35.0	CUT	20.6	CUT
+20			"	4.9		38.0	"	21.0	"
383 F	℄		FILL	3.8	617.13	19.5	FILL	18.0	FILL
384 F	℄		"	5.0	615.42	21.5	"	19.5	"
+35			"	4.7		21.0	"	18.0	"
+90			CUT	2.8		20.5	CUT	22.5	CUT
385 F	℄		"	1.6	623.93	21.0	"	21.5	"
386 F	℄		FILL	1.4		21.0	"	16.0	FILL
+50			CUT	0.7		25.5	"	16.5	"
387 F	℄		FILL	2.8	625.96	21.0	"	19.5	"
388 F	℄		"	0.0	631.53	21.0	"	20.0	CUT
+35			CUT	1.1		25.5	"	25.0	"
+65			FILL	0.1		31.0	"	19.5	"
389 F	℄		CUT	2.8	636.96	33.5	"	15.5	FILL
+30			"	5.7		39.0	"	19.0	"
+80			"	2.6		36.0	"	17.0	CUT
390 F	℄		"	0.1	636.80	33.0	"	19.5	FILL
+20			FILL	3.3		21.5	"	27.0	"
+75			CUT	1.6		30.0	"	16.0	"
391 F	℄		"	0.1	637.25	32.5	"	17.5	"
392 F	℄		FILL	1.5	635.07	20.0	"	16.5	"
+45			"	6.9		21.5	FILL	24.5	"
+75			"	8.6		26.0	"	29.0	"

NOTE: IN GRADING CHECK HEIGHT OF FINISHED GRADE BY COLUMN No. 3 OF GRADE SHEET.

IN SETTING SLOPE STAKES, FACE IN DIRECTION IN WHICH STATION NUMBERS INCREASE.

GRADE SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	WISC.	187		83	83

WISCONSIN PROJECT NO. 187
DIV. JOB NO. 8154

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4	ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6	DISTANCE C.L. TO SLOPE STAKES RIGHT OF C.L. 7
393 F	℄		FILL 6.6	630.30	21.0 FILL	24.0 FILL
+60			CUT 1.2		20.5 CUT	19.5 CUT
394 F	℄		" 0.5	638.03	23.5 "	18.5 "
+43			" 2.7		31.5 "	19.5 "
395 F	℄		FILL 1.1	641.57	27.5 "	20.0 FILL
+25			" 3.5		24.5 "	28.0 "
396 F	℄		CUT 0.2	648.99	27.0 "	20.0 "
397 F	℄		" 1.1	655.83	29.0 "	17.5 "
+50			" 1.6		25.5 "	19.5 CUT
398 F	℄		FILL 3.1	658.66	20.0 "	16.5 FILL
+70			" 1.8		21.0 "	17.5 "
399 F	℄		CUT 1.2	668.18	24.5 "	18.0 "
+50			" 3.4		24.5 "	23.5 CUT
400 F	℄		" 0.0	670.64	18.0 "	21.5 "
+80			CUT 0.1		18.5 FILL	21.5 "
401 F	℄		FILL 1.7	670.52	20.0 "	20.0 "
+20			" 3.3		19.5 "	16.5 FILL
402 F	℄		CUT 1.6	673.64	20.5 CUT	23.5 CUT
+56			" 1.8		23.5 "	22.0 "
403 F	℄		" 2.9	672.95	21.0 "	22.5 "
404 F	30 LEFT		FILL 1.5	669.89	16.5 FILL	18.0 "
405 F	30 "		" 1.3	667.03	18.0 "	18.5 "
406 F	30 "		" 0.3	668.25	16.0 "	20.0 "
407 F	30 "		GRADE	666.48	18.5 CUT	19.0 "

NOTE: IN GRADING CHECK HEIGHT OF FINISHED GRADE BY COLUMN No. 3 OF GRADE SHEET.

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4	ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6	DISTANCE C.L. TO SLOPE STAKES RIGHT OF C.L. 7

IN SETTING SLOPE STAKES, FACE IN DIRECTION IN WHICH STATION NUMBERS INCREASE.

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4	ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6	DISTANCE C.L. TO SLOPE STAKES RIGHT OF C.L. 7

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	WISC.	187(6)T		8	8

WISCONSIN PROJECT NO.
DIV. JOB NO.

GRADE SHEET

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2		DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3		CUT OR FILL 4	ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6	RIGHT OF C.L. 7
597								
+60					F 1.1		18.0C	22.0C
598	Right	33	Below	0.2	C 1.2	44.55	18.0C	23.0C
+40					C 0.3		19.0C	26.0C
+60					C 1.3		18.5C	26.0C
599	Left	33	Below	1.0	F 2.6	40.75	19.5F	20.0C
+50					F 3.9		18.5F	20.0F
600	"	33	"	1.0	C 0.2	40.45	18.5C	20.0C
601	"	33	"	1.6	F 0.4	44.58	19.0C	20.5C
602	"	33	"	5.0	C. 3.0	51.81	24.0C	25.5C
+20					C 2.4		23.0C	23.5C
+50					F 2.5		16.0F	17.0F
+90					F 3.3		19.0F	16.5F
603	"	33	"	0.6	F 2.2	50.76	16.5F	15.0F
604	Right	33	Above	0.8	C 0.5	52.81	18.0C	21.0C
+50					C 0.6		19.5C	22.0C
605	"	33	"	0.9	F 0.5	54.67	23.0C	21.5C
606	"	33	Below	0.9	0.0	55.27	26.5C	21.5C
+70					C 2.1		20.5C	23.5C
607	Left	25	"	2.7	C 0.2	54.41	16.0F	22.0C
+20					F 1.2		16.0F	19.5C
+70					F 0.7		19.0C	19.5C
608	"	33	Above	0.8	F 3.4	48.23	17.5F	16.0F
+30					F 2.5		19.0F	16.0F
+80					F 0.1		18.5C	20.0C
609	"	33	Below	2.2	C 0.6	51.11	18.5C	20.0C
610	"	33	Above	0.4	F 1.6	48.60	17.0F	20.0C
+50					F 2.1		17.5F	15.0F
611	"	33	"	0.4	F 0.8	49.37	18.0C	18.5C
612	"	33	"	1.0	F 1.1	51.62	19.0C	15.5F
613	"	33	"	0.2	F 0.6	58.16	19.5C	18.5C
614	"	33	Below	1.1	C 0.1	65.46	20.5C	20.0C
+40					C 0.6		21.5C	19.5C
615	"	33	"	0.4	F 0.1	69.87	21.0C	19.0C
+50			"	2.2	C 0.8		23.5C	20.0C
616	"	33			C 2.6	73.20	25.5C	22.0C
+50					C 3.7		24.0C	24.0C
617	"	33	"	3.8	C 1.1	72.75	21.0C	23.5C
+50					F 0.1		18.5C	20.5C
618	"	33	Above	0.6	F 3.2	62.57	17.5F	17.0F
+50					F 1.1		18.5C	19.0C
619	"	33	Below	0.8	F 0.6	57.59	15.5F	19.5C
+60					F 0.2		22.0C	19.5C
620	"	33	Above	1.2	F 0.4	50.24	21.0C	18.0C
+40					F 2.0		15.5F	17.5F
621	"	33	"	0.6	F 0.4	47.41	20.0C	18.5C
622	"	33	Below	1.7	0.0	48.03	19.5C	21.0C
623	"	33	Above	0.1	F 0.6	44.34	18.5C	19.0C
624	"	33	Below	3.0	C 2.4	43.99	21.0C	23.0C
625	"	33	"	0.3	F 0.7	36.93	21.5C	18.5C
+50					F 1.6		21.5C	17.5F
626	"	33	Above	2.1	F 0.1	28.86	20.0C	15.0F
+60					C 0.4		22.0C	18.0C
627	"	33	"	1.9	F 2.4	24.49	18.5F	16.5F
628	"	33	"	1.7	F 3.0	23.84	18.0F	17.0F
629	"	33	"	2.4	F 3.2	24.00	18.0F	17.5F
+50					C 3.9		25.0C	25.5C
630	"	33	Below	4.4	C 3.3	31.98	23.5C	24.5C
631	"	33	"	2.5	F 0.6	31.29	18.5C	21.5C
632	"	33	"	2.1	F 0.9	33.33	18.0C	20.5C
633	Right	33	"	2.4	C 0.6	32.45	19.0C	20.5C
634	"	33	"	1.4	C 1.0	37.98	20.0C	20.0C
635	"	33	"	3.8	C 1.7	39.89	24.0C	19.5C
636	"	33	"	2.2	F 0.4	37.15	20.5C	18.0C
637	"	33	"	3.1	C 0.7	36.81	22.5C	22.5C
638	"	33	"	1.3	F 1.3	34.28	19.5C	18.5C
639	"	33	Grade		F 0.6	32.99	18.5C	15.0F
640	"	33	Above	0.1	F 1.8	32.02	17.0F	17.5F
407F	"	33	"	0.4	F 1.1	32.55	17.6F	17.5F
406F					F 0.8			
405F					0.0			

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4	ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6	RIGHT OF C.L. 7

STAKE No. 1	DISTANCE FROM STAKE TO C.L. OF NEW ROAD 2	DISTANCE CENTER OF NEW SUBGRADE ABOVE OR BELOW TOP OF STAKE 3	CUT OR FILL 4	ELEVATION TOP OF STAKE 5	DISTANCE C.L. TO SLOPE STAKES LEFT OF C.L. 6	RIGHT OF C.L. 7

NOTE: IN GRADING CHECK HEIGHT OF FINISHED GRADE BY COLUMN No. 3 OF GRADE SHEET.

IN SETTING SLOPE STAKES, FACE IN DIRECTION IN WHICH STATION NUMBERS INCREASE.

FED. ROAD DST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		30	92

WISCONSIN PROJECT NO. 187

DIVISION JOB NO. 8104

FINAL SURVEY — DATE — BY

	END CUT	END FILL	AREA CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
309.2 — 28G 306.2						
	28	2				
308.2 — 24G 308.7						
	8	54				
308.0 — 23G 306.0						
	1	70				
308.0 — 22G 306.6						
	2	49				
308.3 — 21G 306.1						
	6	44				
309.6 — 20G 309.1						
	20	16				
311.3 — 19G 310.8						
	48	0				

Sta. 18G+0 Cut = 0, Fill = 0

	END CUT	END FILL	AREA CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
			98	24		
			67	104		
			17	230		
			6	220		
			15	172		
			48	111		
			126	30		
			89	0		
Total			466	891		

	END CUT	END FILL	AREA CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
316.4 — 34G+85 317.8					7	16
	4	45				
314.4 — 34G 311.9					13	142
	4	45				
314.0 — 33G 311.0					9	185
	1	55				
313.8 — 32G 310.8					0	238
	0	74				
313.6 — 31G 310.9					0	259
	0	66				
313.4 — 30G 311.5					0	247
	2	39				
					54	57
313.2 — 29G 313.9						
	27	0				
					43	0
313.16 — 28G+80 313.4						
	87	0				
					227	0
313.0 — 28G 313.3						
	66	0				
					228	0
312.6 — 27G 312.0						
	57	0				
					152	17
311.3 — 26G 307.6						
	25	11				
Total					733	1113

Sta. 32+80 Cut = 0

Sta. 30+10 Cut = 0

Sta. 29+20 Fill = 0

Sta. 26+80 Fill = 0

V. H. P.
V. H. P.
V. J. D.
V. H. P.

Per Hill
Pile Hill
" "
" "

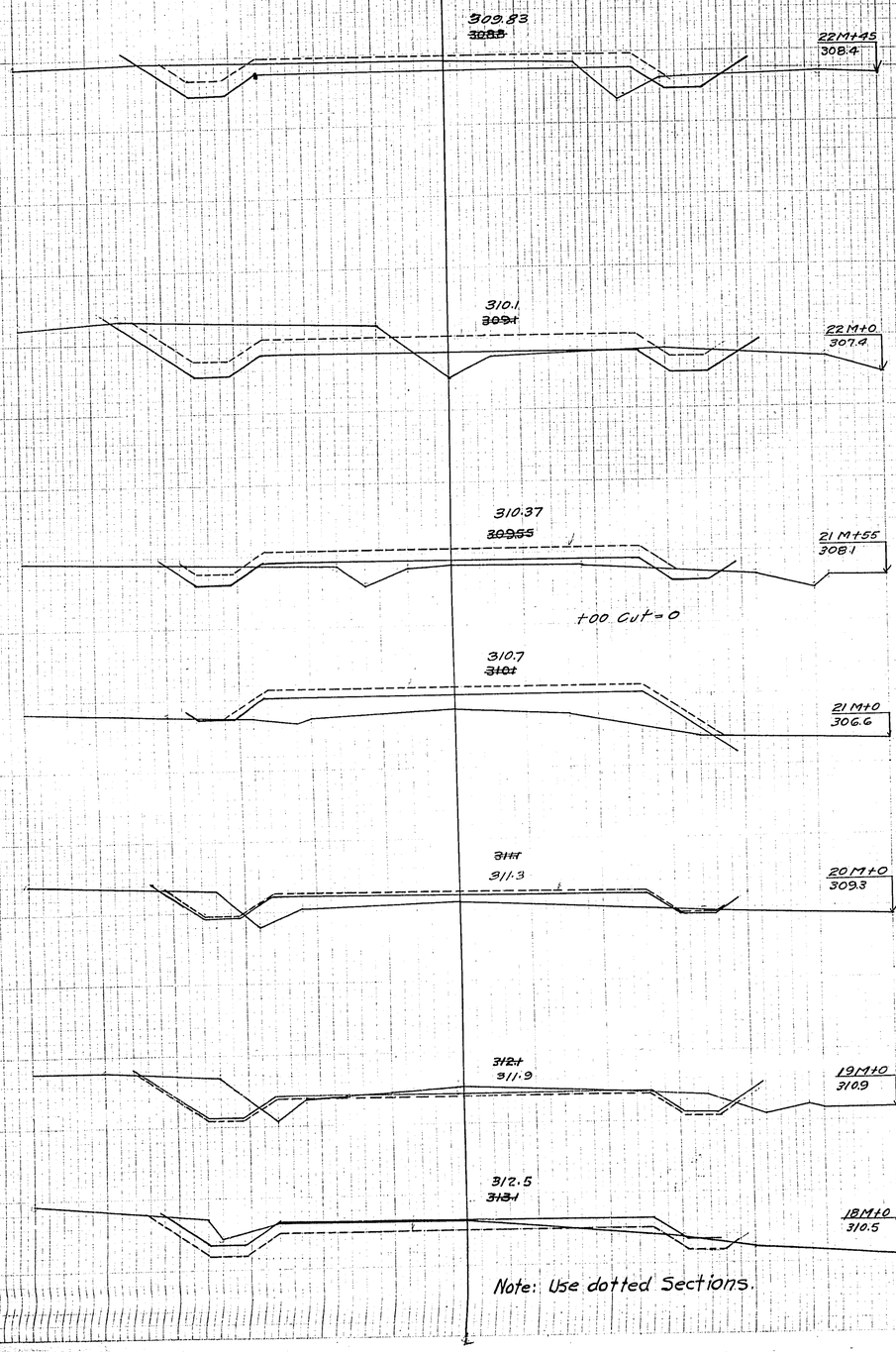
3215

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	187	301	72

DIVISION JOB NO. 8164

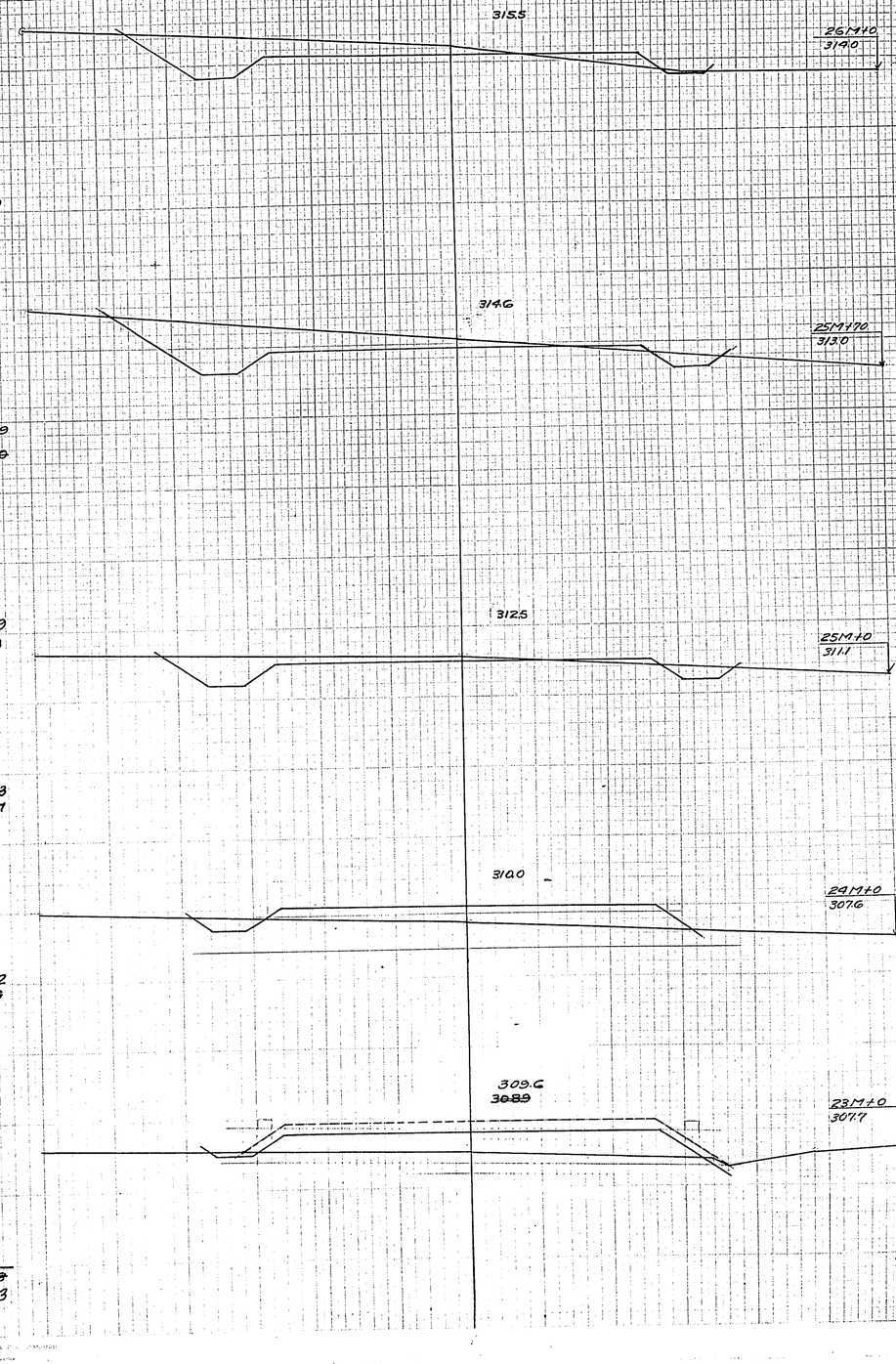
FINAL SURVEY — BY — DATE — SURVEYED — PLOTTED — TEMPLATE — NOTE BOOK — AREAS — LEVELS CHECKED — NO. 8330

ORIGINAL SURVEY — BY VHP C.W. C.B. J.C.S. — DATE July 1923 " " " " — SURVEYED — PLOTTED — TEMPLATE — NOTE BOOK — LEVELS — AREAS — NO. 8330



Note: Use dotted Sections.

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
22M+45 308.4	5	15		
	~~22~~	~~4~~		
			6	82
			~~23~~	~~51~~
22M+0 307.9	25	20		
	~~43~~	~~7~~		
			25	29
			~~59~~	~~18~~
21M+55 308.1	2	39		
	~~7~~	~~18~~		
			22	49
			~~46~~	~~20~~
21M+0 306.6	0	68		
		~~48~~		
			2	109
			~~5~~	~~68~~
20M+0 309.3	5	36		
	6	28		
			9	193
			~~11~~	~~141~~
19M+0 310.9	33	3		
	~~24~~	~~7~~		
			70	72
			~~37~~	~~53~~
18M+0 310.5	33	2		
	~~8~~	~~8~~		
			122	9
			~~59~~	~~22~~
TOTAL	~~116~~	~~120~~	~~246~~	~~373~~
			256	543



	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			29	20
26M+10 314.0	43	1		
			54	1
25M+70 313.0	54	1		
			97	4
25M+0 311.1	21	2		
			~~44~~	~~68~~
24M+0 307.6	3	35		
			6	185
			~~8~~	~~194~~
23M+0 307.7	0	65		
	~~12~~	~~73~~		
TOTAL	~~126~~	~~82~~	~~232~~	~~237~~
			230	318

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	1187	302	72

DIVISION JOB NO. 8154

	DATE
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO. 3330	

	DATE
ORIGINAL SURVEY	10/1/62
SURVEYED BY	WHP
PLOTTED	C.W.
TEMPLATE	C.B.
NOTE BOOK	C.B.
NO. 3330	RCS

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
+40 Cut = 0			2	133
318.8 — +40 / 315.6	0	65		
			13	68
319.2 — 29M / 313.3	17	26		
+65 Fill = 0			218	17
320.1 — +40 / 319.9	180	0		
			267	0
320.2 — 28M / 320.5	179	0		
+50 Fill = 0			354	22
318.5 — 27M / 316.1	12	24		
			26	78
316.4 — 26M+30 / 317.5	8	36		
TOTAL	396	151	880	318

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			36	194
323.1 — 34M / 320.2	18	22		
			42	26
320.4 — +40 / 318.2	18	1		
			17	31
318.6 — 33M / 315.9	4	40		
			6	67
			3	38
318.7 316.8 — +50 / 314.3	1	78		
			5	78
Use dotted sections			10	156
315.1 315.7 — 32M / 312.7	2	53		
			15	163
			20	180
315.6 — 31M / 312.2	6	35		
			15	167
317.4 — 30M / 312.7	2	55		
TOTAL	53	238	146	726

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	187	303	72

DIVISION JOB NO. 8154

FINAL SURVEY — NOTE BOOK — DATE — BY — SURVEYED — PLOTTED — TRACED — AREAS — CHECKED

ORIGINAL SURVEY — NOTE BOOK 330 — DATE 1/27/54 — BY R.H.B. C.B. C.B. J.C.K. — SURVEYED " " " — PLOTTED " " " — TRACED " " " — AREAS " " "

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			85	85
335.2 — 39M 331.9	26	24		
			93	118
336.0 — 38M 331.5	24	40		
			159	80
335.2 — 37M 331.8	62	3		
+85 Fill = 0				
			224	1
333.9 — +45 333.1	158	0		
			210	0
332.1 — 36M 329.1	94	0		
			132	114
328.72 — +25 323.1	1	82		
			1	76
327.6 — 35M 322.1	1½	83		
TOTAL	366½	232	904	479

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			15	47
332.3 — 43M 327.6	18	43		
			15	29
332.3 — +75 325.5	14	25		
			12	31
332.44 — +45 328.0	7	42		
			26	52
332.8 — 42M 323.6	24	20		
			115	54
333.6 — 41M 331.7	38	9		
			107	57
339.8 — 40M 330.9	20	22		
TOTAL	121	161	290	271

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	187	304 72	

DIVISION JOB NO. 9154

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
LINES		
NOTE BOOK		
NOTES CHECKED		

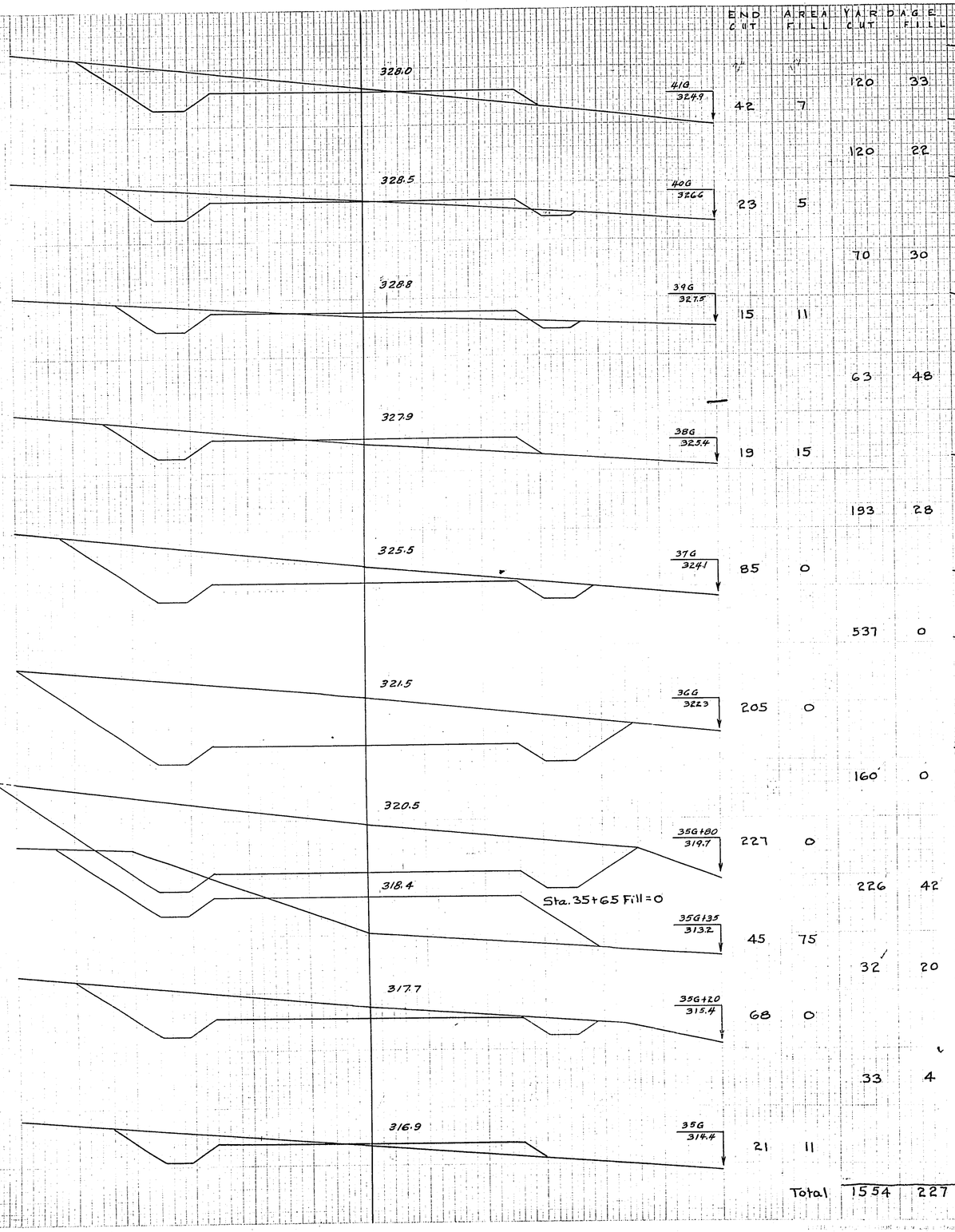
ORIGINAL SURVEY	BY	DATE
SURVEYED	W.T.P.	4/4/1923
PLOTTED	C.W.	" " "
TEMPLATE	C.B.	" " "
LINES	J.C.S.	" " "
NOTE BOOK 3330		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
3362				
4.8M 331.7	24	55	122	109
			96	144
336.4				
4.7M 333.6	28	23		
			107	87
335.8				
4.4M 331.9	30	24		
			139	89
334.4				
4.5M 330.0	45	24		
			141	82
332.8				
4.4M 328.9	31	20		
			60	60
332.4				
+4.0 327.4	23	34		
			17	49
3323				
+2.0 323.9	21	99		
TOTAL	202	279	682	620

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
335.8				
5.0M 332.1	27	22		
			99	74
335.93				
+31.4 331.5	23	18		
			58	96
336.0				
4.9M 332.6	42	4		
			96	15
TOTAL	92	44	198	135

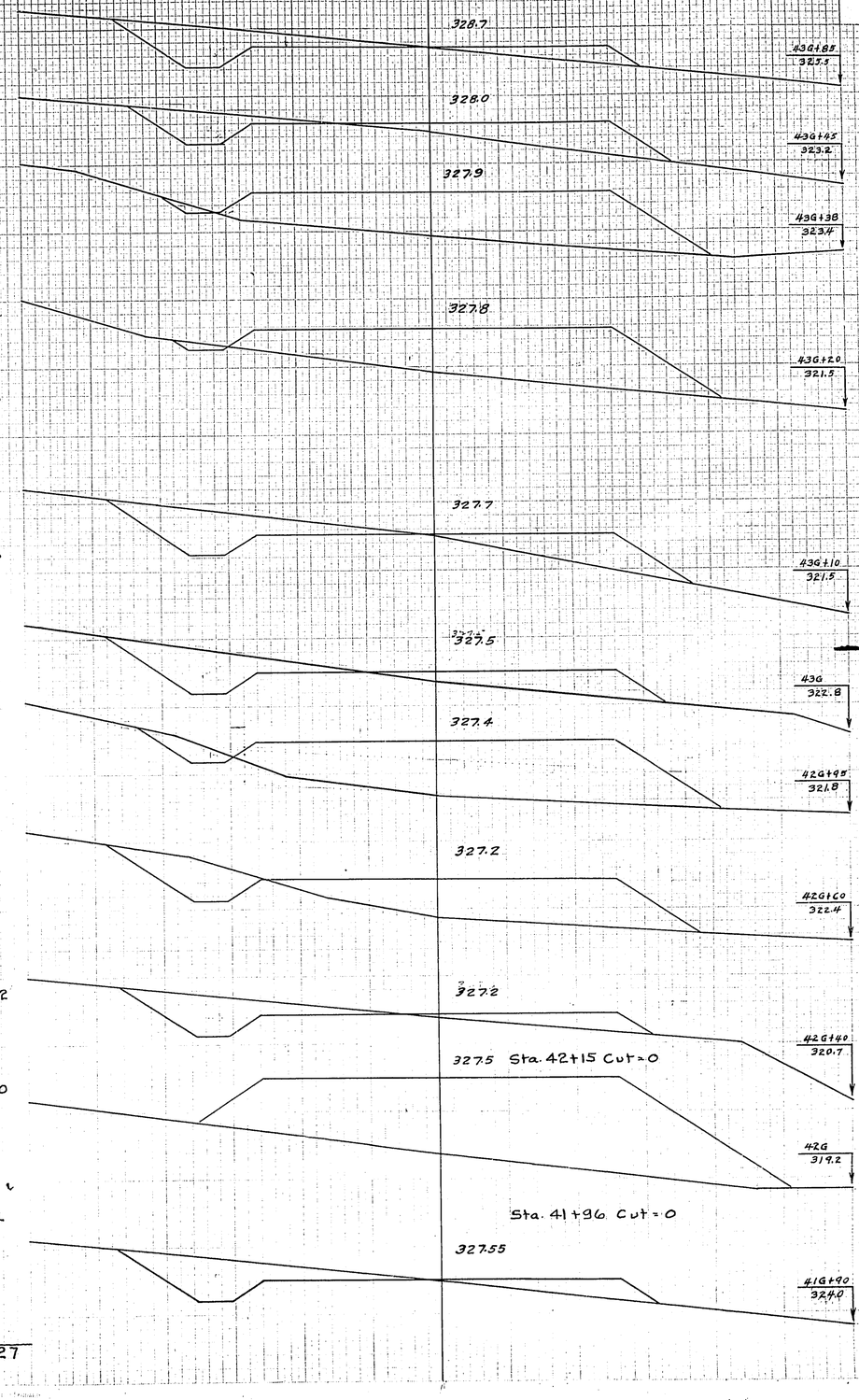
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		31	42

WISCONSIN PROJECT NO. 187--
DIVISION JOB NO. 8186



STA.	END CUT	END FILL	AREA CUT	AREA FILL
41G	42	7	120	33
40G	23	5	120	22
39G	15	11	70	30
38G	19	15	63	48
37G	85	0	193	28
36G	205	0	537	0
35G+80	227	0	160	0
35G+35	45	75	226	42
35G+20	68	0	32	20
35G	21	11	33	4
Total			1554	227

Sta. 35+65 Fill = 0



STA.	END CUT	END FILL	AREA CUT	AREA FILL
43G+85	17	6		
43G+45	28	12	32	32
43G+38	16	30	2	18
43G+20	1	106	0	68
43G+10	1	101	6	23
43G	32	26	11	9
42G+95	27	25	3	13
42G+60	6	116	17	120
42G+40	20	70	17	31
42G	26	13	12	158
	0	201	4	40
41G+90	30	13		
Total			121	518

Sta. 42+15 Cut = 0

Sta. 41+96 Cut = 0

FINAL SURVEY

ORIGINAL SURVEY

V. H.P. Dec. 1952
V. H.C. Feb. 1953
V. H.P.C. " "
V.C.S. " "

3215

FED. ROAD DST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		32	82

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8134

	END AREA YARDAGE			
	CUT	FILL	CUT	FILL
			76	82
51G 332.4	19	24		
			80	82
50G 333.1	24	20		
			118	70
49G 332.1	40	18		
			111	93
48G 330.6	20	32		
			23	38
47G+75 330.2	30	50		
			29	31
47G+50 331.5	32	15		
			56	25
47G 332.4	28	12		
			113	46
46G 330.5	33	13		
			126	57
45G 327.1	35	18		
			84	50
44G+25 325.8	26	18		
			27	13
44G 323.1	32	11		
Total	843	587		

	END AREA YARDAGE			
	CUT	FILL	CUT	FILL
			563	0
58G 340.0	236	0		
			539	0
57G 335.7	55	2		
			84	101
56G+35 335.3	15	82		
			12	29
56G+20 337.6	28	21		
			22	19
56G 335.8	31	30		
			51	55
55G+65 335.7	48	55		
			15	15
55G+35 339.0	31	24		
			63	55
55G 337.5	31	30		
			154	80
54G 337.8	52	13		
			146	76
53G 335.3	27	28		
			91	89
52G 334.2	22	20		
Total	1740	519		

336.4 335.9 335.5 335.1 335.0 334.9 334.6 333.0 331.0 329.5 329.0 337.7 342.0 Sta. 57+10 Fill = 0 343.6 343.8 344.0 344.3 344.0 344.2 340.1 338.0

FINAL SURVEY

V. H. R. 1" = 10'
V. E. C. 1" = 10'
Plot 1" = 10'

Rec 1124
Rec 1123
Mor "
" "
" "

3215

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		33	98

WISCONSIN PROJECT NO 187
DIVISION JOB NO. 8146

FINAL SURVEY — DATE — BY — SHEET — NOTE BOOK

ORIGINAL SURVEY — DATE 3215 — V. H. P. — V. E. C. — J. C. S. — Rec. 1952 — Rec. 1953 — Mar. " — " "

END CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
23	2		
		5	154
14	0		
28	0		
		49	0
6	0		
		63	17
7	30		
		7	87
1	64		
		4	145
3	111		
		2	55
2	37		
		18	72
26	75		
		17	41
35	72		
		99	13
232	0		
Total	278	584	

END CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
			6
		0	357
		0	437
			0
		0	363
		0	543
			0
		0	222
		0	660
			0
		0	48
		0	1072
			0
		0	977
		0	1038
			0
		0	385
		0	697
			0
		0	837
		0	493
			0
		0	356
		0	274
Total		6	3978

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		34	42

WISCONSIN PROJECT NO. 187--
DIVISION JOB NO. 8154---

FINAL SURVEY — PLOTTED — CHECKED — NOTE BOOK — DATE

V.H.P. Dec. 1952
V.H.P. Feb. 1953
V.H.P. Mar. " "
V.H.P. Apr. " "
V.H.C.S. " "

3215

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
65G 332.0				
	189	0		
327.0				
	153	0		
64G+75 324.5				
	100	0		
325.25				
	64	0		
			55	0
64G+55 323.4				
323.85				
	83	0		
			61	0
64G+45 325.4				
323.15				
	247	0		
			155	0
64G+30 321.5				
322.1				
	308	0		
			118	0
64G+20 321.0				
321.4				
	328	0		
			192	0
64G 318.3				
320.0				
	189	0		
			81	0
63G+85 315.4				
319.0				
	101	0		
			61	13
63G+60 310.8				
317.7				
Sta. 63+75 Fill = 0				
	32	46		
Total			1012	13

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
348.35				
			2	43
68G+19 343.0				
	4	85		
			5	28
347.5				
68G 342.7				
	16	29		
			9	15
346.52				
67G+85 343.3				
	17	24		
			9	59
344.9				
67G+60 338.2				
	2	105		
			249	68
Sta. 67+25 Fill = 0				
341.0				
67G 343.0				
	222	0		
			337	0
338.55				
66G+65 341.2				
	298	0		
			646	0
335.75				
66G+25 337.3				
	574	0		
			496	0
334.0				
66G 334.3				
	498	0		
			889	0
329.1				
63G+30 330.8				
	188	0		
Total			2642	213

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		35	42

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8154

	END CUT	END FILL	AREA CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
379.8 — 79G 378.2	16	5				
			48	28		
378.7 — 78G 375.8	12	20				
			52	46		
377.6 — 77G 375.2	18	25				
			56	83		
376.5 — 76G 372.9	16	38				
			63	117		
375.4 — 75G 372.3	33	23				
			91	113		
374.2 — 74G 370.8	30	35				
			117	107		
372.1 — 73G 369.8	39	6				
			128	76		
369.2 — 72G 367.3	21	6				
			111	22		
365.2 — 71G 363.9	20	3				
			76	17		
Sta. 70+50 Fill=0						
360.3 — 70G 359.7	77	0				
			180	3		
Sta. 69+80 Fill=0						
354.0 — 69G 349.7	4	54				
			150	80		
349.45 — 68G+30 346.2	2	51				
			7	136		
Total			1079	828		

	END CUT	END FILL	AREA CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
378.6 — 91G 376.9	17	9				
			56	30		
376.1 — 90G 374.4	11	14				
			52	43		
375.6 — 89G 374.4	7	27				
			33	76		
376.8 — 88G 374.4	11	18				
			33	83		
379.7 — 87G 376.1	28	13				
			72	57		
382.8 — 86G 379.4	10	36				
			70	91		
385.9 — 85G 385.0	15	4				
Sta. 84+25 Fill=0						
388.4 — 84G 388.3	42	0				
			106	6		
Sta. 83+75 Fill=0						
388.7 — 83G 387.2	11	5				
			98	6		
386.3 — 82G 384.5	7	15				
			33	37		
383.3 — 81G 382.1	9	10				
			30	46		
381.0 — 80G 379.0	10	10				
			35	37		
Total			664	586		

FINAL SURVEY — DATE — BY — PLOTTED — CHECKED — NOTE BOOK — PLOTTED

ORIGINAL SURVEY — 3215

V. H. P. — Dec. 1952
V. H. P. — Dec. 1953
V. H. P. — Mar. "
V. H. P. — "
V. H. P. — "

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		36	42

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 5132

FINAL SURVEY
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
DATE
BY

V. H. P
V. H. P
U. C. D.
L. W. H

Dec. 1953
Rev. 1953
Mar. "
" "

3215

			END AREA YARDAGE			
			CUT	FILL	CUT	FILL
402.4	99G 402.0	12	1		22	18
399.9	98G 400.2	18	0		56	2
397.0	97G 396.6	15	10		61	18
394.1	96G 393.8	18	11		61	39
392.0	95G 390.0	3	38		39	91
389.8	94G 388.5	30	½		61	71
386.6	93G 384.4	43	0		135	1
Sta. 92+95 Fill=0						
385.98	92G+80 381.5	35	12		29	3
385.36	92G+65 381.5	10	76		12	24
384.13	92G+35 384.5	15	28		14	57
383.72	92G+25 383.5	35	0		9	6
382.7	92G 381.5	13	7		22	4
				Total	521	334

			END AREA YARDAGE			
			CUT	FILL	CUT	FILL
409.5	112G 408.7	4	41		15	67
409.5	111G 406.7	4	34		15	129
410.0	110G 408.7	2	33		111	124
411.5	109G 411.1	2½	15		8	89
412.8	108G 412.8	17	5		36	37
413.3	107G 412.7	9	3		48	15
412.8	106G 411.8	14	8		43	20
411.6	105G 410.7	4	17		33	46
410.3	104G 409.8	1	10		9	50
409.0	103G 407.7	6	6		13	30
407.7	102G 407.3	14	3		37	17
406.2	101G 406.0	1	3		28	11
404.5	100G 404.3	0	9		2	22
				Total	298	767

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		37	82

WISCONSIN PROJECT NO. 187-
DIVISION JOB NO. 9124

FINAL SURVEY PLOTTED / CHECKED / TEST BOOK / DATE / BY

ORIGINAL SURVEY PLOTTED / CHECKED / TEST BOOK / DATE / BY

V.H.P. K.H.P. V.W.N. J.J.D.

Line 743 Line 744 Line 745

328

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
			32	111
	7	32		
			50	78
	20	10		
			50	54
	7	19		
			22	67
	5	17		
			13	102
	2	38		
			96	63
	50	0		
			218	0
	146	0		
			242	0
	180	0		
			352	35
	10	38		
			33	137
	8	36		
			30	132
	8	35		
			22	156
	4	49		
Total			1160	935

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
			5	20
	11	32		
			71	25
	85	2		
			96	67
	2	58		
			0	413
	0	165		
			0	248
	0	170		
			19	110
	69	0		
			64	0
	104	0		
			522	0
	178	0		
			321	0
	111	0		
			107	4
	34	10		
			82	70
	10	28		
Total			1287	957

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		38	48

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8154

FINAL SURVEY NOTE BOOK

DRF. V.L. V.H.P. V.H.R. L.W.R. J.J.D.

3215

Sta. 133+40 Fill=0

453.4

452.8

133G+30 448.1

133G 447.2

452.5

132G+85 449.7

Sta. 132+70 Fill=0

451.6

132G+40 452.8

450.8

132G+0 451.6

Sta. 131+80 Fill=0

450.0

131G+60 445.4

449.2 Sta. 131+45 Cut=0

131G+20 442.4

448.8

131G 444.3

Sta. 130+80 Cut=0
Sta. 130+60 Fill=0

447.8

130G+50 449.8

447.1 Sta. 130+30 Fill=0

130G+18 443.9

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			248	4
133G+30 448.1	77	22		
			56	40
133G 447.2	24	49		
			15	18
132G+85 449.7	31	17		
			194	5
132G+40 452.8	201	0		
			255	0
132G+0 451.6	143	0		
			117	7
131G+60 445.4	15	21		
			4	143
131G+20 442.4	0	171		
			0	103
131G 444.3	0	107		
			52	80
130G+50 449.8	94	0		
			65	11
130G+18 443.9	6	42		
Total	1006	411		

452.5

453.7

137G 443.4

136G+65 449.4

Sta. 136+50 Fill=0

454.6

136G+30 458.0

455.1

136G 458.9

455.7

135G+65 458.7

Sta. 135+50 Fill=0
456.0 Sta. 135+40 Cut=0

135G 455.7

455.7

134G+60 446.0

Sta. 134+20 Cut=0
Sta. 134+15 Fill=0

454.8

134G 455.8

454.1

133G+65 456.8

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			35	97
137G 443.4	48	42		
			45	38
136G+65 449.4	22	17		
			197	5
136G+30 458.0	282	0		
			340	0
136G 458.9	329	0		
			311	0
135G+65 458.7	151	0		
			70	365
135G 455.7	0	394		
			0	552
134G+60 446.0	0	351		
			62	293
134G 455.8	167	0		
			306	0
133G+65 456.8	306	0		
Total	1366	1350		

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		39	98

WISCONSIN PROJECT NO. 1187
DIVISION JOB NO. 8134

441.1 Sta. 141+50 Cut = 0

Sta. 140+50 Cut = 0

441.2

441.8

443.1

443.35

446.1

447.6

448.35

450.6

441.1

442.2

441.54

441.5

441.46

441.43

441.4

441.35

441.31

441.2

441.17

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
141G 436.1				
	0	120		
140G 439.0				
	31	2		
139G+50 438.7				
	21	25		
139G 440.1				
	127	14		
138G+85 440.2				
	106	13½		
138G+30 448.2				
	12	22		
138G 454.3				
	123	2		
137G+85 454.5				
	141	0		
137G+40 446.5				
	½	89		
Total			671	573

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
146G+60 439.8				
	0	128	0	376
146G 437.6			0	185
	0	122		
Sta. 145+80 Cut = 0 Sta. 145+70 Fill = 0				
145G+60 446.3			94	68
	126	0		
145G 443.3			228	0
	181	0		
144G+65 443.4			256	0
	215	0		
144G+35 443.7			243	0
	221	0		
144G 441.4			162	0
	29	0		
143G+50 440.2			21	43
	0	76		
143G 437.4			0	249
	0	193		
Sta. 142+20 Cut = 0				
142G 439.9			6	372
	15	8		
141G+70 440.7			17	5
	15	1		
Total			1027	1298

FINAL SURVEY

ORIGINAL SURVEY NOTE BOOK 3215

V. H. P.
V. H. P.
V. H. P.
J. J. D.

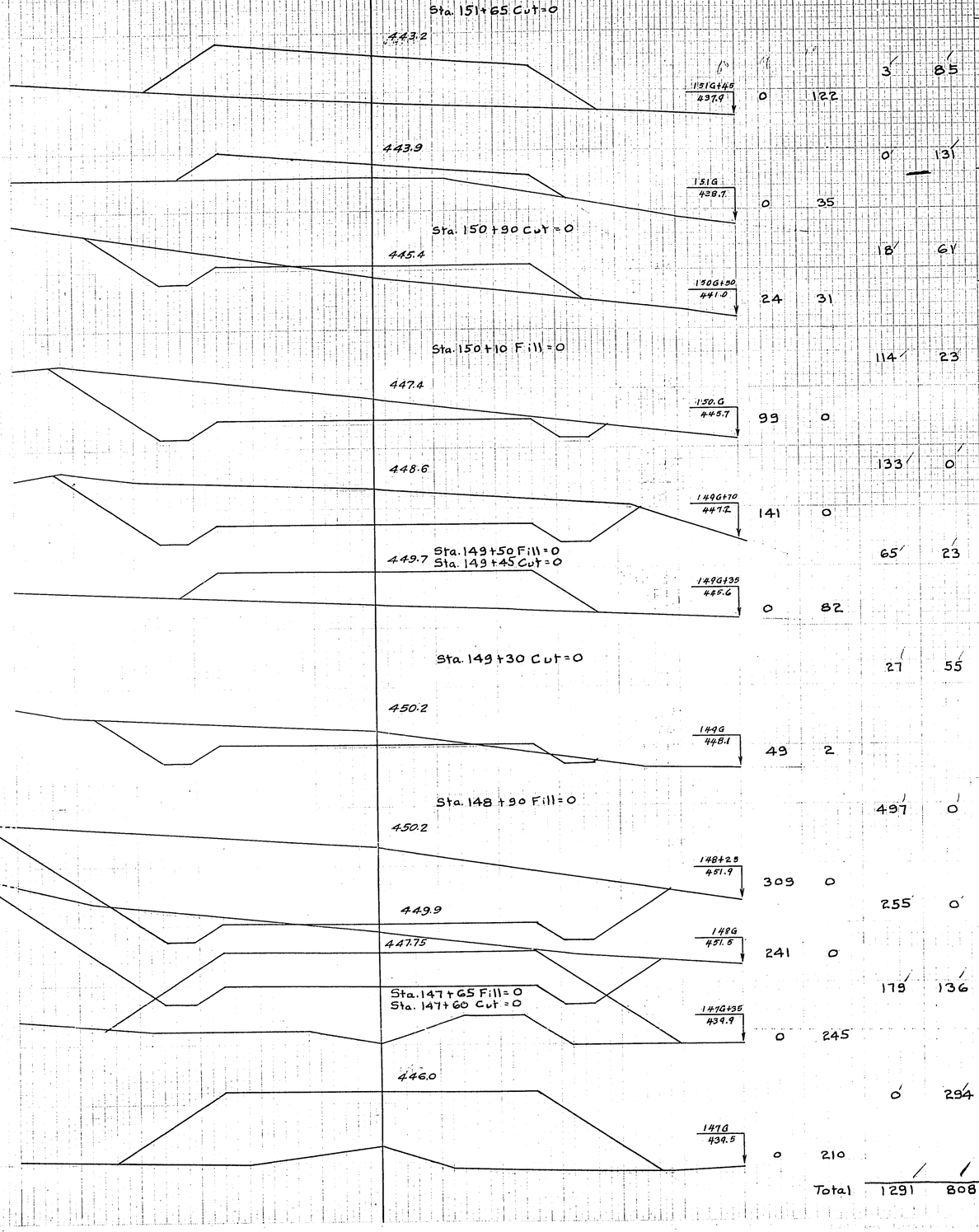
Rec. 1122
Rel. 1123
Plan

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		40	72

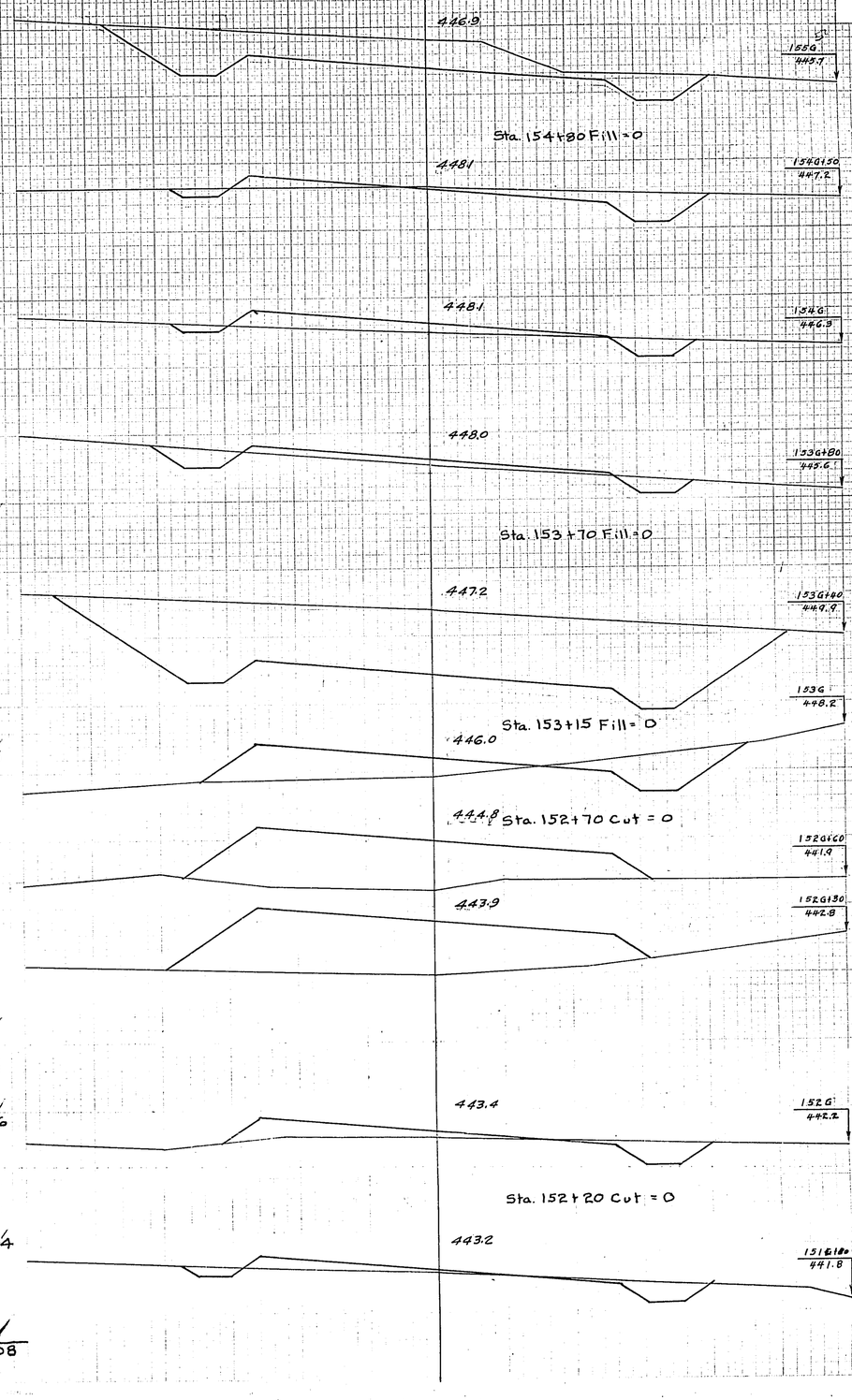
WISCONSIN PROJECT NO. 187
DIVISION JOB NO. A134

FINAL SURVEY — PROJECT — SHEET — DATE — SCALE — CTH BOOK

ORIGINAL SURVEY — V. H. P. — V. H. P. — L. W. H. — J. J. D. — Dec. 1922 — Dec. 1923 — Mar. " " — 3215



	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
			3	85
1151G+45 437.9	0	122		
			0	131
151G 438.7	0	35		
			18	61
150G+30 441.0	24	31		
			114	23
150G 445.7	99	0		
			133	0
149G+70 447.2	141	0		
			65	23
149G+35 445.6	0	82		
			27	55
149G 448.1	49	2		
			497	0
148+25 451.9	309	0		
			255	0
148G 451.6	241	0		
			179	136
147G+35 439.9	0	245		
			0	294
147G 439.5	0	210		
Total	1291	808		



	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
155G 443.7	81	0		
			160	0
			93	4
154G+50 447.2	19	6		
			25	24
154G 446.9	8	20		
			7	11
153G+80 445.6	11	10		
			180	2
153G+40 444.9	231	0		
			187	10
153G 448.2	21	38		
			12	102
152G+60 441.9	0	100		
			0	120
152G+30 442.8	0	116		
			2	73
152G 442.2	6	16		
			6	9
151G+80 441.8	9	10		
Total	672	355		

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		41	92

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8154

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
Sta. 158+30 Fill=0				
158G+15 / 426.1	22	82	24	7
			13	17
158G+13 / 427.0	46	6		
			19	6
158G / 428.2	23	18		
			18	30
157G+70 / 427.3	11	36		
Sta. 157+62 Fill=0				
			13	6
157G+60 / 428.5	60	0		
Sta. 157+40 Fill=0				
			73	23
157G / 430.0	6	31		
			7	28
156G+60 / 429.4	4	6		
Sta. 156+50 Fill=0				
			140	1
156G / 433.9	122	0		
			198	0
155G+50 / 443.6	92	0		
Total			505	118

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			0	622
			0	761
154G+35 / 404.7				
			0	510
159G+10 / 407.2				
			0	472
			0	162
			0	405
159G / 405.7				
Sta. 158+90 Cut=0			51	248
			138	41
158G+70 / 410.2				
			101	7
158G+50 / 421.5				
			135	0
Sta. 158+47 Fill=0				
			19	0
158G+45 / 421.6	71	8		
Sta. 158+40 Fill=0				
			33	1
158G+35 / 424.0	107	0		
Total			204	1610

FINAL SURVEY
DATE
SCALE
NOTE BOOK
PAGE

ORIGINAL
3215

V. H. P.
V. H. P.
L. W. N.
J. J. D.
Dec 1962
Feb 1963
" "
" "

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		42	92

WISCONSIN PROJECT NO. 182.
DIVISION JOB NO. 8134

STA.	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
160G+50		231		0
	65	0		
160G+40		14		1
	9	11		
160G+15		1		231
	0	490		
160G		0		313
	0	635		
159G+88		0		641
	0	898		
159G+84		0		819
	0	943		
159G+60		0		94
	0	768		
Total	246	1855		

STA.	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
160G+55		73		361
	260	0		
166G		72		338
	0	168		
163G+30		54		187
	0	126		
165G		0		385
	0	82		
164G		4		99
	17	0		
163G+35		34		0
	36	0		
163G		315		0
	134	0		
162G		815		0
	306	0		
161G		244		0
	351	0		
160G+80		2175		834

Total

420.0 — 160G+50 — 419.9 — +45 Fill = 0 — 419.97 — 160G+40 — 419.2 — 419.8 (Sta. 160G+15) — +35 Cut = 0 — 160G+15 — 412.0 — 419.7 — 160G — 410.2 — 419.7 — 419.8 — 159G+88 — 405.9 — 419.9 — 159G+84 — 401.8 — 420.1 — 159G+60 — 401.6 — 159G+57 — 404.0

444.86 — 160G+55 — 430.3 — 442.5 — 166G — 445.6 — 439.49 — +60 Cut = 0 +90 Fill = 0 — 163G+30 — 436.1 — 438.2 — 165G — 435.2 — 433.9 — 164G — 432.6 — +80 Cut = 0 — 431.12 — 163G+35 — 430.6 — 429.6 — 163G — 431.4 — 425.3 — 162G — 430.4 — 421.1 — 161G — 428.2 — 420.4 — 160G+80 — 428.3

V. H. P. 12-62
V. H. P. 2-63
K. W. H. "
L. W. H. "
J. J. D. "

ORIGINAL SURVEY — FINAL SURVEY — DATE — BY

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		43	582

WISCONSIN PROJECT NO. 187
DIVISION JOB No. 8152

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
452.0				
1736 / 452.2	29	6	98	18
451.65				
1726 / 449.7	24	19	98	46
451.48				
1716+50 / 448.8	27	14	47	31
451.3				
1716 / 446.7	9	65	33	73
451.13				
1706+50 / 448.2	13	54	20	110
450.95				
1706 / 451.1	7	22	18	76
450.6				
1696 / 451.0	11	1½	33	44
449.2				
1686 / 449.3	22	0	61	3
448.4				
1676+65 / 449.4	32	3½	35	2
+45 Fill = 0				
446.4				
1676 / 450.6	173	0	246	1
Total			689	398

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
1806+70 / 454.0				
449.75				
+45 Cut = 0				
1806+35 / 451.0				
450.4				
+20 Cut = 0				
1806 / 452.1				
451.0				
1796+65 / 453.0				
451.7				
+35 Fill = 0				
1796+25 / 453.0				
452.1				
1796 / 452.8				
452.4				
+30 Fill = 0				
1786 / 454.3				
453.2				
453.4				
1776 / 450.8				
1766 / 453.2				
453.05				
+25 Fill = 0				
1756 / 454.3				
452.7				
+60 Fill = 0				
1746 / 453.4				
452.35				
Total			605	540

FINAL SURVEY — DATE — BY — SURVEYED PLOTTED TRACED CHECKED — NOTE BOOK

ORIGINAL SURVEY — DATE — V. H. P. Oct/62 — V. H. P. Feb/63 — L. W. K. Mar. — J. J. D. — 3215

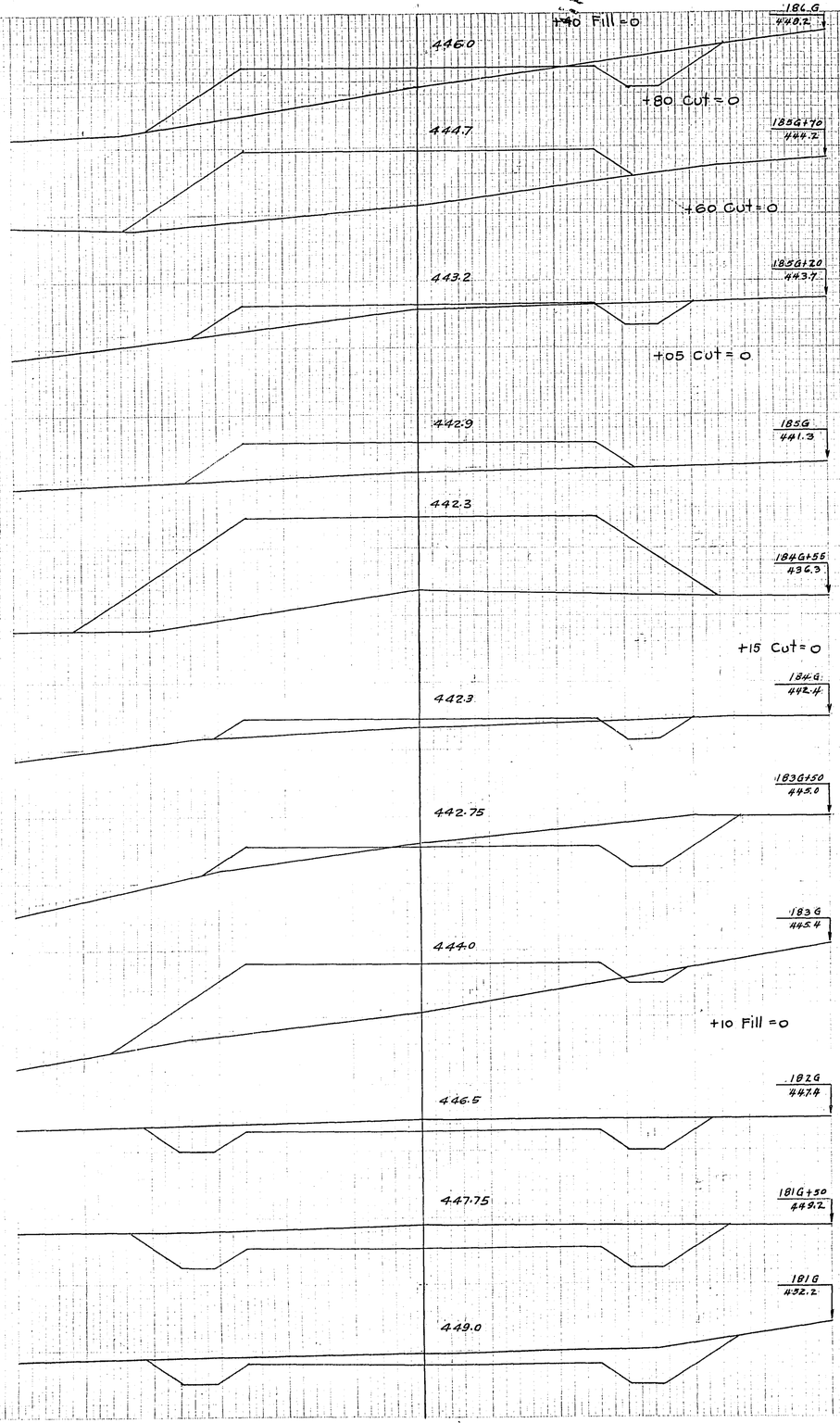
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		44	52

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8164

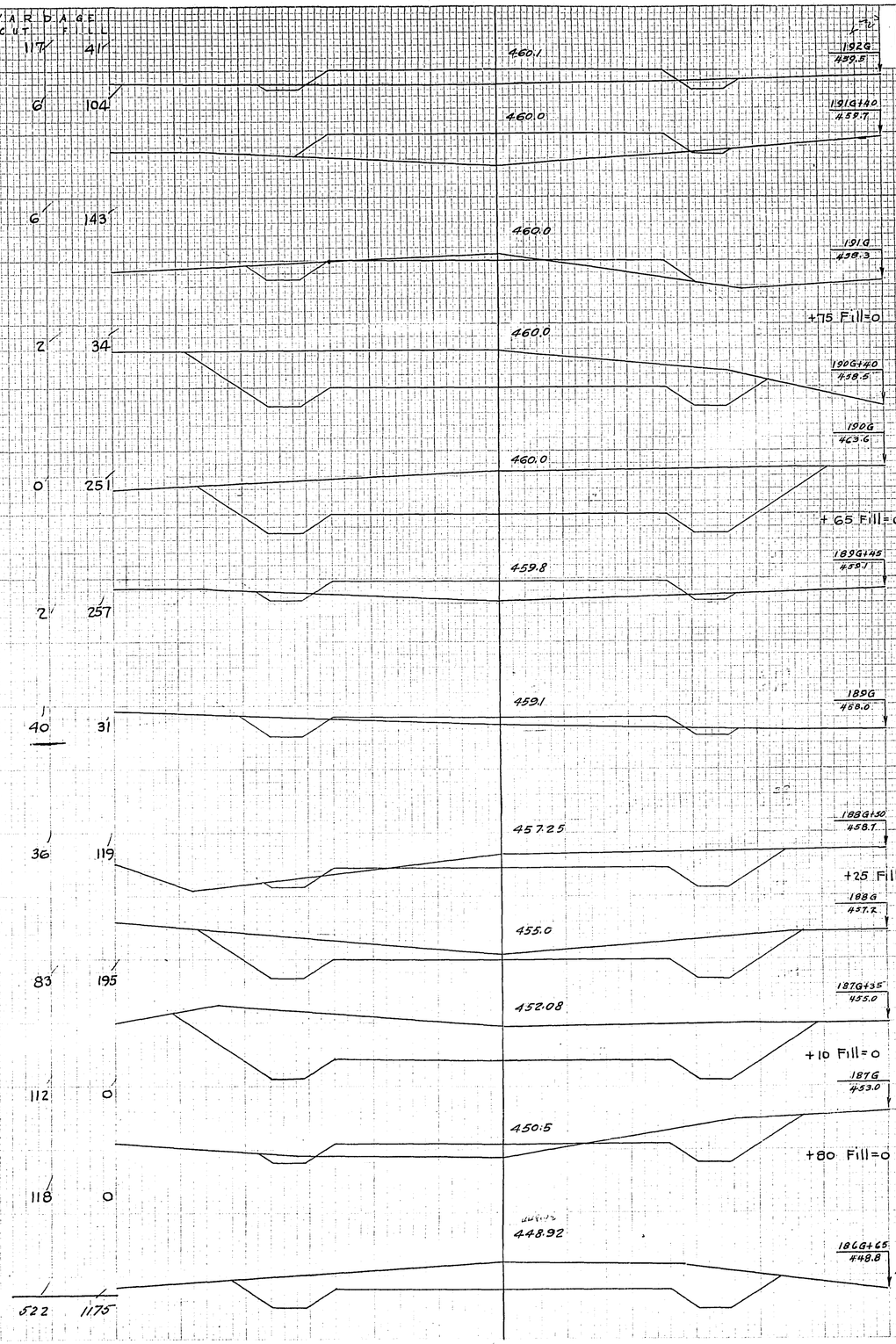
FINAL SURVEY — SUPERVISED — PLOTTED — NOTE BOOK — DATE — BY

V. H. P.
V. H. P.
V. W. H.
J. J. D.

ORIGINAL SURVEY — DATE — Dec. 1952 — Feb. 1953 — Mar. 1953 — ... — 32.6 — 32.5



END AREA YARD DAGE			
CUT	FILL	CUT	FILL
15	55	117	41
6	104		
0	131		
6	143		
7	23		
2	34		
0	69		
0	232		
2	257		
6	21		
40	31		
37	12		
36	119		
2	117		
83	195		
43	0		
112	0		
78	0		
118	0		
50	0		
Total			
522	1175		



END AREA YARD DAGE			
CUT	FILL	CUT	FILL
3	31	4	27
2	62	4	104
		7	52
10	8		
		144	4
120	0		
		205	0
156	0		
		163	15
4	39		
		10	46
82	17		
		43	17
38	1½		
		98	0
68	0		
		270	0
156	0		
		119	4
28	18		
		71	6
82	0		
Total		1138	275

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		45	52

WISCONSIN PROJECT NO. ____
DIVISION JOB NO. 8122

FINAL SURVEY — STAKED / CHECKED / NOTE BOOK / DATE

ORIGINAL SURVEY — Y.H.P. / V.H.P. / V.H.P. / L.W.H. / J.J.O. — Dec. 1922 / Feb. 1923 — 3276

END CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
		34	144
0	173		
		0	232
0	141		
		2	230
5	36		
		77	10
134	0		
		250	0
252	0		
		396	0
77	0		
		299	0
192	0		
		191	11
65	20		
		48	135
0	142		
		0	352
0	204		
		1	288
3½	18		
Total		1298	1402

+70 Cut = 0
+85 Fill = 0
1976+40 — 473.1
477.4
1976 — 472.9
+50 Cut = 0
1946+30 — 474.8
474.6
+15 Fill = 0
1946 — 475.8
473.4
1958+65 — 478.8
472.0
1956 — 473.6
469.4
1946+40 — 474.5
467.0
+30 Fill = 0
1946 — 472.0
465.4
+60 Cut = 0
1936+55 — 463.7
463.6
1936 — 456.7
461.8
+50 Cut = 0
3½
1926+30 — 458.0
460.5

END CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
		453	0
		380	0
		619	0
		104	0
		83	4
		9	14
		28	85
		6	32
		2	184
		0	121
		0	128
		0	76
		46	150
		31	5
		32	2
		53	0
		319	0
		162	0
		374	0
		175	0
		175	0
		61	0
		Total	2258 553

1.5
2049 — 491.7
4800
203G+40 — 484.8
4800
+15 Fill = 0
2036 — 477.1
4800
2026 — 480.6
4800
480.2
+80 Cut = 0
2016+35 — 479.2
480.5
2016 — 478.8
+80 Cut = 0
2006 — 484.3
481.5
199G+80 — 487.6
481.7
199G — 486.3
482.1
198G+40 — 484.6
481.5
1986 — 481.3
480.8

(17)

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		46	52

WISCONSIN PROJECT NO. 5
DIVISION JOB NO. 2154

FINAL SURVEY — DATE — BY

V. H. P. — Dec 1962
V. H. C. — Feb 1963
V. M. C. — Mar. —
J. L. D.

ORIGINAL SURVEY

3216

			END AREA YARDAGE			
			CUT	FILL	CUT	FILL
495.0	208G+30 497.2		161	0	304	0
493.5	208G 493.8		47	0	116	0
	+85 Fill = 0				32	32
491.5	207G+65 485.8		2	84		
487.0	207G 483.7		37	9	47	112
	+75 Cut = 0				17	97
484.4	206G+85 482.0		0	108		
482.4	206G+15 480.4		0	91	0	147
482.0	206G 478.6		0	133	0	62
480.5	205G+45 475.6		0	382	0	524
480.1	205G 479.6		0	161	0	452
	+80 Cut = 0 +55 Fill = 0				376	134
480.0	204G+75 489.0		369	0		
		Total	892	1560		

			END AREA YARDAGE			
			CUT	FILL	CUT	FILL
512.2	216G+55 413.7		92	0	87	2
	+25 Fill = 0				95	15
511.0	216G 410.0		2	32		
	+60 Fill = 0				84	24
508.0	215G+25 409.8		59	0		
	+10 Fill = 0				48	0
507.0	215G 504.4		45	1		
					85	63
503.0	214G 501.1		1	33		
					9	98
500.2	213G 498.3		4	20		
					15	85
499.8	212G 499.1		4	26		
					8	44
499.8	211G+50		5	21		
	+20 Fill = 0				51	11
499.8	211G 500.8		50	0		
	+60 Fill = 0				106	20
499.6	210G 499.3		7	18		
	+40 Fill = 0				148	20
497.7	209G 497.1		73	0		
		Total	736	382		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	187	461	72

DIVISION JOB NO. 8154

FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
ISSUE	
LEVELS CHECKED	
NO.	DATE
BY	

ORIGINAL SURVEY	
SURVEYED	VHP
PLOTTED	VHP
TEMPLATE	VHP
NOTE BOOK	EJ
ISSUE	
LEVELS CHECKED	
NO. 3330	DATE 11/17/23
BY	VHP

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
Sta 2181+80 CUT=00 Sta 2181+50 FILL=00				
	315	93		
507.8 +30 512.8				
	340	0		206
503.6				
2184 512.1				
509.0	170	0		56
Sta 2171+80 FILL=00				
	87	0		64
510.0 +75 510.4				
	17	1		80
511.5 2174 510.1				
	5	18		188
Sta 2161+80 FILL=00				
	117	6		226
511.5 +55 512.5				
	135	0		262
Sta 2161+20 FILL=00				
	141	7		211
510.5 2164 509.3				
	3	20		250
510.0 +80 509.3				
	3	22		162
	55	35		
507.0 2154 508.3				
	34	2		100
	65	65		
TOTAL	1096	218		1423

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
510.0 2214 508.2				
	283	0	0	93
507.6 +60 508.2				
	87	0	0	64
506.2 +25 499.5				
	31	27	0	226
505.5 2204 498.4				
	117	6	0	262
505.1 +25 498.3				
	141	7	0	211
505.5 2194 500.8				
	65	65	0	100
TOTAL	1096	218	0	1423

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	187	462	72

DIVISION JOB NO. 8154

	SURVEYED	BY	DATE
FINAL SURVEY	PLOTTED		
	COMPUTED		
NOTE BOOK	TRACED		
NO.	CHECKED		

	SURVEYED	BY	DATE
ORIGINAL SURVEY	PLOTTED	V.H.P.	JULY 1923
	COMPUTED		
NOTE BOOK 330	TRACED		
	CHECKED		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
Sta 225L+10 FILL=00				
2254 / 522.6			141	0
523.7	30	2		
5240			74	46
2244 / 520.9	10	23		
Sta 223+75 FILL=00				
+25 / 523.1			122	11
5232	78	0		
Sta 223L+05 FILL=00				
2234 / 522.1			94	0
5229	17	3		
+80 / 520.5			7	14
5216	3	34		
Sta 222L+60 FILL=00				
2224 / 522.2			374	13
5170	250	0		
+80 / 521.6			198	0
5156	286	0		
Sta 221L+50 FILL=00			293	36
Sta 221L+25 CUT=00				
+25 / 509.8				
5175	1	78		
Total	1253	120		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
5070				
2314 / 503.1			0	213
	0	57		
5070			0	222
2304 / 504.8				
	0	63		
Sta 229L+15=CUT=00				219
5070				
2294 / 505.0				
	2	55		
Sta 228L+90 CUT=0.0				287
5088				
2284 / 505.2				
	0	100		
Sta 227L+50 CUT=00			52	187
2274 / 514.4				
5135	35	1		
Sta 226L+90 FILL=00				255 0
5170				
+50 / 520.0			240	0
Sta 226L+10 FILL=0.0				270 0
2264 / 522.1				
5202	52	1		
Sta 226L+90 FILL=0.0				161 0
+50 / 524.5				
5224	172	0		
Total	718	1130		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	187	463	72

DIVISION JOB NO. 8154

	DATE
FINAL SURVEY	SURVEYED
	PLOTTED
NOTE BOOK	TRAVERSE
NO.	LEVEL NOTES

	DATE
BY	JULY 1973
VHP	
VHP	
EE	

ORIGINAL SURVEY	SURVEYED
	PLOTTED
NOTE BOOK NO. 3330	TRAVERSE
	LEVEL NOTES

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
Sta 235+20 CUT=0.0				
2354 / 511.1	7	63	3	115
Sta 234L+75 FILL=0.0			230	30
+40 / 515.0	200	0		
2344 / 513.5	218	0	309	0
+50 / 510.4	144	0	335	0
Sta 233L+40 FILL=0.0				
+30 / 507.2	20	38	61	07
2334 / 505.7	1	69	12	59
Sta 232L+50 CUT=0.0				
2324 / 505.0	0	59	1	237
TOTAL	951	448		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
2394 / 518.3	3	42	60	79
+75 / 515.7	2	58	2	76
Sta 238L+10 FILL=0.0			75	110
2384 / 520.2	52	0		
2374 / 522.4	147	0	369	0
+75 / 521.1	180	0	149	0
Sta 236L+50 FILL=0.0			252	81
2364 / 516.1	1	88		
Sta 235L+50 CUT=0.0			1	299
+30 / 512.0	0	193		
TOTAL	898	515		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	1187	46	78

DIVISION JOB NO. 2152

	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	

FINAL SURVEY — NOTE BOOK NO. ___ BY ___

	DATE
SURVEYED	VHP 7/23.
PLOTTED	VHP "
TEMPLATE	CB. "
AREAS	TCS. "
AREAS CHECKED	"

ORIGINAL SURVEY — NOTE BOOK NO. 3336

STATION				END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
499.8	+50	496.1					
				0	96		
502.4	2426	500.0					
				0	53		
Sta 241L+85 CUT=00							
Sta 241L+70 Fill=00							
505.78	+35	509.1					
				0	169		
	241L	509.9					
507.6							
				0	90		
	+75	510.8					
508.9							
				0	40		
	240L	513.0					
512.8							
				0	31		
516.18	+35	516.2					
				0	90		
TOTAL					628	317	

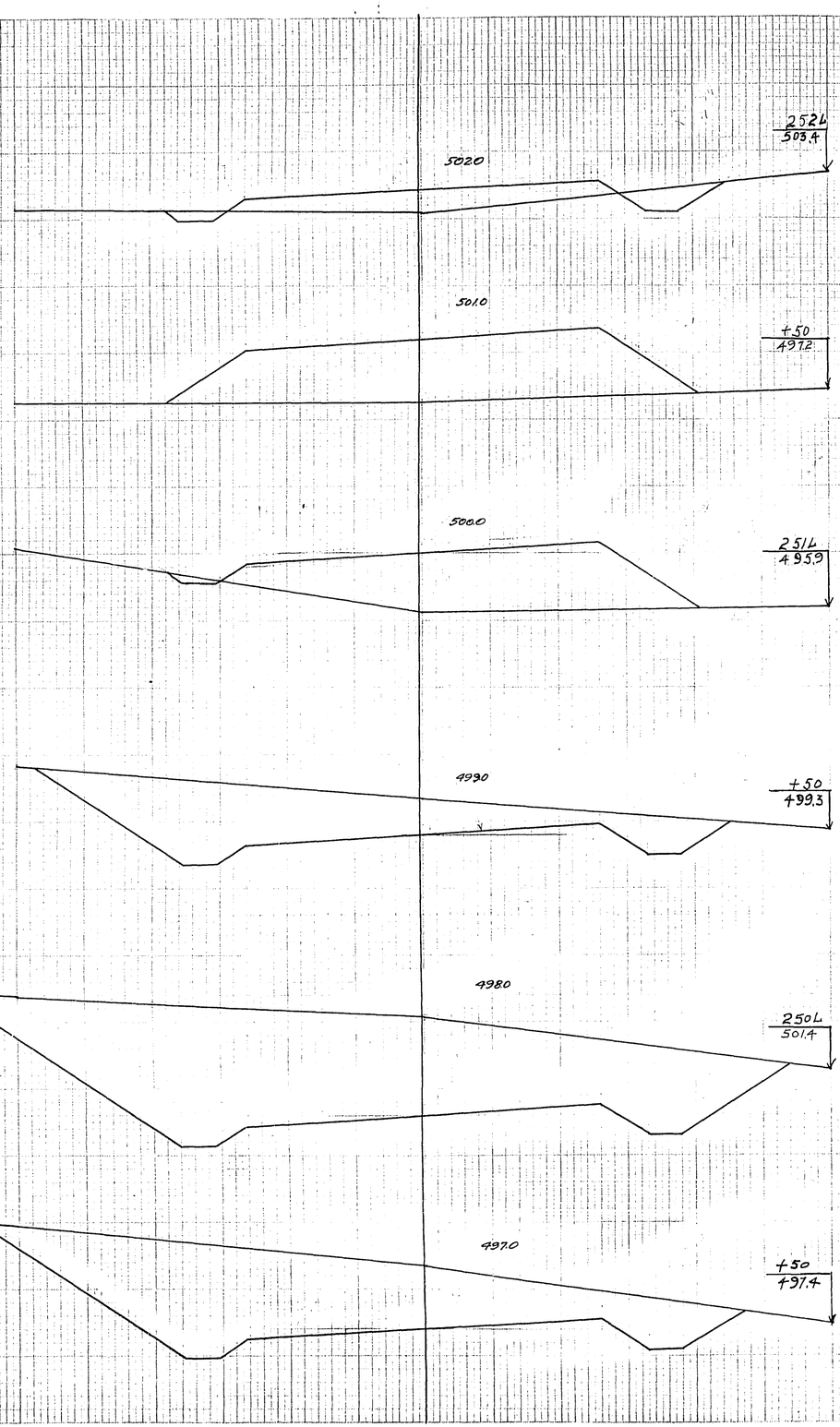
STATION				END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
496.0	2494	492.6					
				0	150		
				0	138		
495.6	+80	491.5					
				0	128		
				156	29		
				0	391		
495.0	2484	491.1					
				0	102		
				0	402		
495.5	2474	491.9					
				0	115		
Sta 246L+50 CUT=00							
496.0	2464	4952					
				4	26		
				26	63		
496.5	2454	496.1					
				10	11		
				37	50		
497.0	2444	496.5					
				10	16		
Sta 243L+40 CUT=0.0							
498.5	2434	496.2					
				0	66		
				11	132		
TOTAL					378	1421	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	187	460 72	

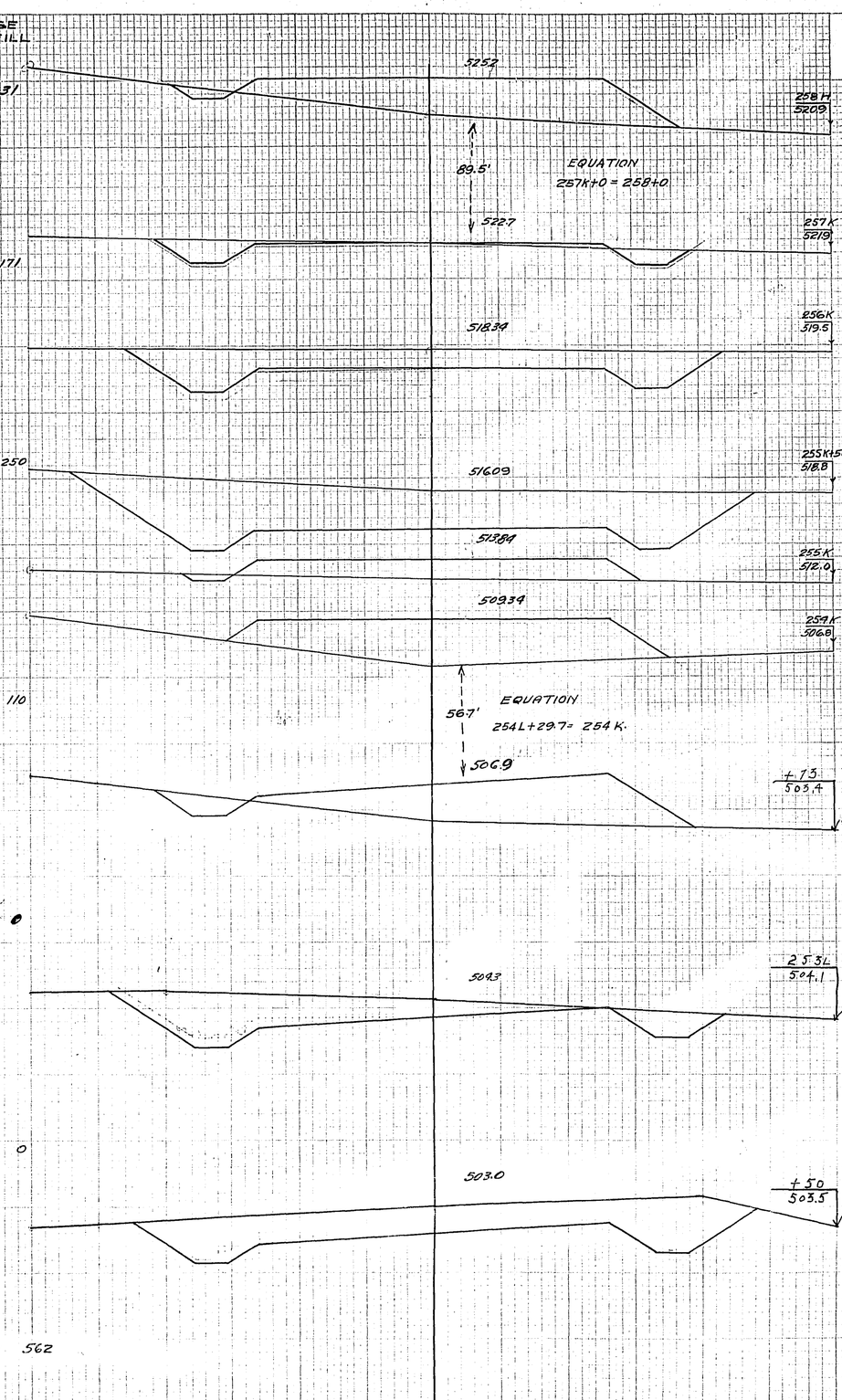
DIVISION JOB NO. 8124.2

FINAL SURVEY — SURVEYED / PLOTTED / TRACED / NOTE BOOK / PAGES / SHEETS NO.

ORIGINAL SURVEY — SURVEYED / PLOTTED / TRACED / NOTE BOOK 3330 / PAGES / SHEETS NO. — BY V.D.P. C.B. — DATE JULY 1923



	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
104		31		
	11	34		
10		171		
	0	151		
2		250		
	2	119		
191		110		
	150	0		
494		0		
	383	0		
606		0		
	272	0		
TOTAL		1357	562	



	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
3		75		
			311	70
			99	130
15		3		
			167	6
72		0		
			216	0
161		0		
			150	42
1		45		
			2	250
0		90		
			7	179
7		80		
			117	108
79		0		
			167	0
101		0		
TOTAL		1171	785	

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		47	92

WISCONSIN PROJECT NO. _____
DIVISION JOB NO. 3154

FINAL SURVEY — BOOK No. — NOTE BOOK — DATE — BY

V.H.P. Dec. 1922
V.H.P. Feb. 1923
L.W.N. Mar. 1923
J.J.D.

ORIGINAL SURVEY 3216

+90 Cut=0

5110 — 221G+10 / 504.8

5111 — 221G / 507.1

5114 — 220G+80 / 508.2

+50 Cut=0
+35 Fill=0

5126 — 220G+20 / 509.4

5130 — 220G / 512.9

5135 — 219G+76 / 518.4

219G+80 / 518.7

5140 — 219G / 515.9

5143 — 218G+80 / 515.6

5144 — 218G / 510.8

+60 Fill=0

5131 — 217G+10 / 511.1

5130 — 217G / 513.4

END AREA YARDAGE							
CUT		FILL		CUT		FILL	
				0		340	
0		170					
				0		60	
0		156					
				0		106	
0		130					
				34		108	
62		0					
				59		0	
97		0					
				132		0	
189		0					
				254		0	
202		0					
				209		0	
80		0					
				43		0	
36		0					
				56		44	
2		39					
				4		130	
0		39					
				2		8	
13		5					
Total				793		796	

534.1 — 227G+40 / 531.7

534.4 — 227G / 531.3

534.5 — 226G+80 / 531.0

533.4 — 226G / 529.6

532.7 — 225G+80 / 529.8

528.5 — 225G / 526.0

523.62 — 224G (33) / 522.0

522.0 — 224G / 520.7

515.6 — 223G / 517.9

513.3 — 222G+55 / 514.6

511.8 — 222G / 509.3

END AREA YARDAGE			
CUT		FILL	
		189	6
55		7	
		111	6
94		1	
		74	11
107		1	
		226	15
46		9	
		39	4
57		2	
		139	7
37		3½	
		54	68
2		46	
		7	45
1		52	
		24	141
12		24	
		35	23
30		4	
		32	39
2		34	
Total		925	365

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		47	62

WISCONSIN PROJECT NO. _____
DIVISION JOB NO. 8154

FINAL SURVEY	DATE	BY
NOTE BOOK	SUPERVISED	
NO.	PLOTTED	
	TRACED	
	CHECKED	

V.H.P.
V.H.P.
V.H.P.
J.J.D.

Dec. 1952
Feb. 1953
Mar. ..
.. ..

ORIGINAL SURVEY

3216

+90 Cut=0

END CUT	AREA FILL	YARDAGE CUT	FILL
		0	340
0	170		
		0	60
0	156		
		0	106
0	130		
		34	108
62	0		
		59	0
97	0		
		132	0
189	0		
		254	0
202	0		
		209	0
80	0		
		43	0
36	0		
		56	44
2	39		
		4	130
0	39		
		2	8
13	5		
Total		793	796

511.0 — 221G+10 — 504.8

511.1 — 221G — 507.1

511.4 — 220G+80 — 508.2

+50 Cut=0
+35 Fill=0

512.6 — 220G+20 — 509.4

513.0 — 220G — 512.9

219G+78 — 518.4

513.5

219G+80 — 518.7

514.0 — 219G — 515.9

514.3 — 218G+80 — 515.6

514.4

+60 Fill=0

514.0 — 218G — 510.8

513.1 — 217G+10 — 511.1

217G — 513.4

513.0

END CUT	AREA FILL	YARDAGE CUT	FILL
		189	6
		55	7
		111	6
		94	1
		74	5
		107	1
		226	15
		46	9
		39	4
		57	2
		139	7
		37	3½
		54	68
		2	46
		7	45
		1	52
		24	41
		12	24
		35	23
		30	4
		32	39
		2	34
		Total	925 365

534.1 — 227G+40 — 531.7

534.4 — 227G — 531.3

534.5 — 226G+80 — 531.0

533.4 — 226G — 529.6

532.7 — 225G+80 — 529.8

528.5 — 225G — 526.0

224G+39 — 522.0

523.62

522.0 — 224G — 520.7

223G — 517.9

515.6

222G+55 — 514.6

513.3

511.8 — 222G — 509.3

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		48	92

WISCONSIN PROJECT NO. ———
DIVISION JOB No. 8154

FINAL SURVEY

Dec. 1941
Feb. 1942
Mar. 1942
V. H. P.
V. H. P.
V. C. S.
J. J. D.

END AREA	YARDAGE
CUT FILL	CUT FILL
0 87	2 135
0 78	0 106
	7 119
11 8	
	35 2
65 0	
	252 0
162 0	
	188 0
92 0	
	217 1
103 1½	
	83 56
9 74	
	5 246
0 222	
	0 331
1 103	
	15 103
17 20	
	32 37
15 16	
	24 26
115 0	
Total	1077 1162

+80 Cut=0

530.2 — 2348+35 — 527.0

529.9 — 2346 — 527.5

+60 cut=0

530.0 — 2336+25 — 529.8

+15 Fill=0

530.2 — 2336 — 530.5

530.6 — 2326+40 — 531.3

530.9 — 2326 — 529.3

+70 Fill=0

531.3 — 2316+40 — 527.2

531.6 — 2316 — 527.2

+70 Cut=0

531.9 — 2306+35 — 522.7

532.3 — 2306 — 525.3

532.6 — 2296+55 — 528.5

533.0 — 2296 — 529.6

+10 Fill=0

533.7 — 2286 — 531.5

END AREA	YARDAGE
CUT FILL	CUT FILL
7 30	44 14
	221 8
192 0	
	281 0
243 0	
	480 0
156 0	
	117 0
95 0	
	79 6
11 23	
	7 59
0 68	
	0 73
0 90	
	9 133
10 6	
	152 4
72 0	
	61 3
11 17	
	17 46
4 25	
Total	1468 346

+85 Fill=0

621.3 — 2426+60 — 521.7

+45 Fill=0

525.5 — 2406 — 528.6

527.9 — 2396+65 — 530.3

531.7 — 2396 — 534.7

532.8 — 2386+75 — 533.9

+50 Fill=0

534.0 — 2376+35 — 533.0

534.7 — 2366 — 531.4

535.0 — 2356+75 — 531.7

+50 Cut=0

535.1 — 2346 — 533.6

+65 Fill=0

533.5 — 2336 — 535.6

+70 Fill=0

532.7 — 2326+60 — 531.7

531.5 — 2316 — 527.4

FORM 3216

(107)

47

FED. ROAD DIST. No.	STATE	FED AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		47	92

WISCONSIN PROJECT NO. 1 - - -
DIVISION JOB NO. 8164

FINAL SURVEY — SURVEYED — PLOTTED — NOTE BOOK — NO — BY — DATE

V. H. P. Dec. 1951
V. H. P. Feb. 1953
V. H. P. Mar. 1953
J. J. V. ::

ORIGINAL SURVEY — 3216

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
			0	193
248G 493.6	0	48		
			2	130
247G+25 494.6	1	45		
			5	24
247G 495.0	9	8		
+95 Fill = 0			205	1
246G+40 499.5	175	0		
+10 Fill = 0			137	2
246G 497.2	10	11		
			41	80
245G 499.4	12	32		
			54	120
244G 501.7	17	33		
+ 20 Cut = 0			25	333
243G 504.6	0	147		
			0	444
242G 507.3	0	93		
+95 Cut = 0			12	56
241G+70 511.8	26	8		
+25 Fill = 0			102	6
241G 518.6	53	0		
Total			583	1389

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
255G+85 511.3			50	0
	96	0		
255G+23 507.2			110	85
	3	75		
255G 506.5			2	63
	2	60		
+65 Fill = 0			281	39
254G 510.0				
	150	0		
+50 Cut = 0			139	25
+70 Fill = 0				
253G+45 503.5				
	0	54		
+30 Cut = 0			1	75
253G 502.6				
	2	38		
+70 Fill = 0			156	21
252G+25 502.8				
	111	0		
+10 Fill = 0			56	5
252G 498.9				
	8	27	4	14
251G+85 497.8				
	4	22		
			13	70
251G 495.2				
	4	23	7	117
250G 493.6				
	0	40		
			0	178
249G 492.7				
	0	56		
Total			819	692

5135 5123 5115 5075 5035 5005 4995 4989 4961 4951

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		50	72

WISCONSIN PROJECT NO. _____
DIVISION JOB NO. _____

FINAL SURVEY — SURFACE — DATE — BY

ORIGINAL SURVEY — DATE — BY — NOTE BOOK — PAGE — NO.

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
Sta. 252+70 = Fill=0				
252H+267 503.1	166	0	243	7
499.3				
Sta. 252+10 Fill=0				
252G 498.9	26	5	94	1
498.4				
+85 497.7	21	3	39	41
498.0				
251G 495.2	4	23	7	117
496.0				
250G 493.6	0	40	0	178
495.0				
Sta. 250G. Cut=0				
249G 492.7	0	56		
495.0				
TOTAL			396	346

	END AREA		YARDAGE	
	CUT	FILL	CUT	FILL
257H 520.5	20	11	41	78
522.5				
+50 519.1	2	35	20	43
520.7				
Sta. 256 H=0 Fill=0				
256H 518.9	38	0	37	32
518.5				
+50 518.4	160	0	183	0
516.05				
Sta. 255+30: Fill=0 Sta. 255H+20: Cut=0				
255H 510.7	0	67	89	37
513.3				
+50 510.1	0	67	0	174
510.55				
Sta. 254H+20: Fill=0 Sta. 254H+30: Cut=0				
254H 511.3	85	0	47	37
507.8				
+80 510.3	107	0	71	0
506.7				
Sta. 253H+50 Cut=0 Sta. 253H+60 Fill=0				
+40 503.0	0	67	59	75
504.5				
Sta. 253H+30: Cut=0				
253H 502.9	13	13	7	59
502.3				
TOTAL			559	535

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		51	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 3122

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
265H 536.9	43	7	99	13
264H 533.2	88	0	245	4
+75 531.9	29	7	54	1
263H 529.3	36	0	91	9
262H 523.9	0	87	46	161
261H 523.7	0	76	0	302
+75 C=0			20	213
260H 523.4	14	39	341	29
+60 F=0				
259H 532.0	170	0	319	94
+60 F=0				
258H 520.9	2	85		
TOTAL			1253	826

Sta. 264H+75 : Fill=0

Sta. 263H+85: Fill=0

Sta. 263H+0 : Fill=0

Sta. 262H+30: Cut=0

Sta. 271H+10: Fill=0

Sta. 270H+90: Cut=0

Sta. 269H+50 : Cut=0

Sta. 268H+80: Fill=0

Sta. 268H+30: Fill=0

Sta. 267H+90: Fill=0

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
271H 526.3	14	9	127	72
+75 523.2	0	186	4	3
+50 522.7	0	223	0	189
270H 524.4	0	171	0	365
+80 525.3	0	164	0	124
269H 534.0	28	5	26	250
+70 535.4	55	0	46	2
268H 537.3	16	2	97	1
267H 540.4	56	0	133	0
266H 538.9	32	0	163	0
TOTAL			590	1024

FINAL SURVEY — DATE — BY — CHECKED — PLOTTED — NOTE BOOK

ORIGINAL SURVEY — DATE — 3212

VHO 1-CW 1-CW FEB 11

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		52	72

WISCONSIN PROJECT NO. 187--
DIVISION JOB NO. 8159--

FINAL SURVEY — DATE — BY — NOTE BOOK — PAGE

ORIGINAL SURVEY — DATE March-1953 — C.R.H. L.C.W. A.C.M. E.B.H. — NOTE BOOK 3312-413

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
276H+35 530.0			89	47
531.9	8	23		
Sta. 276H+15: Fill=0			26	8
276H+0 529.7	32	0		
532.7			211	0
275H+0 532.8	82	0		
532.8			91	30
Sta. 274H+75: Fill=0				
274H+40 530.0	10	46		
532.2			2	42
274H+0 529.7	3	10		
531.8			11	5
Sta. 273H+75: Fill=0				
273H+75 531.6	22	0		
831.55			33	70
273H+0 530.3	2	50		
530.8			164	46
Sta. 272H+50: Fill=0				
272H+25 533.3	116	0		
530.05			139	0
272H 533.6	185	0		
529.8			380	0
271H+40 532.3	157	0		
529.2				
TOTAL			1146	248

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			0	76
279H+30 527.4	0	69		
529.7				
			0	28
279H+40 527.1	0	82		
529.4				
			0	27
279H+30 527.2	0	62		
529.1				
Sta. 279H+25: Cut=0			7	37
279H+0 525.1	14	5		
528.2			28	44
278H+35 526.7	9	32		
527.4			13	51
278H+0 524.8	11	47		
527.6			34	66
277H+60 526.1	35	42		
528.15			51	57
277H+20 526.7	34	36		
529.35			37	19
277H+0 526.3	66	16		
529.95				
TOTAL			170	405

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		53	72

WISCONSIN PROJECT NO. 187
DIVISION JOB No. 3154

FINAL SURVEY — DATE — BY — SURVEYED — TRACED — NOTE BOOK

ORIGINAL SURVEY — DATE April 1933 — NOTE BOOK 393

WRP
LCN
LCN
FBH

		END CUT	END FILL	AREA CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
562.5	288H+0 560.8	22	3			56	39
561.7	287H+0 560.2	13	6			65	17
Sta. 286H+40 Fill=0							
559.0	286H+0 559.1	45	0			107	7
Sta. 285H+10: Fill=0							
554.2	285H+0 554.9	22	1			124	0
Sta. 284H+10: Cut=0							
548.7	284H+0 547.6	0	67			37	126
543.2	283H+0 541.3	0	53			0	222
Sta. 282+50: Cut=0							
537.8	282H+0 537.3	5	25			5	144
+40 F=0							
534.2	281H+0 535.4	46	0			94	78
Total Mile 5				7121	5595	120	0
532.25	280H+35 534.0	54	0			49	6
+20 F=0							
531.2	280H+0 533.7	22	16			8	51
Sta. 279H+80 Cut=0							
530.45	279H+75 530.8	0	94				
	TOTAL			665	640		

		END CUT	END FILL	AREA CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
	296H+0 568.9					32	5
567.3		41	1				
Sta. 295H+95: Fill=0						154	0
	295H+35 568.3						
569.3		87	0				
Sta. 295H+00: Fill=0						111	0
569.8	295H+0 566.6	84	0				
569.9						80	1
	294H+65 567.1	39	1				
Sta. 294H+00: Fill=0						68	1
569.5	294H+0 569.2	18	0				
						63	13
569.0							
	293H+0 565.0	16	7				
						62	20
568.5	292H+0 567.3	17	4				
Sta. 291H+70: Fill=0						135	2
567.5	291H+0 568.2	56	0				
Sta. 290H+90: Fill=0						33	2
567.18	290H+75 565.7	15	6				
565.3	290H+0 564.1	10	2			35	11
						33	37
563.3	289H+0 562.1	8	18				
	TOTAL			806	96		

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		54	72

WISCONSIN PROJECT NO. 182
DIVISION JOB No. 6124

FINAL SURVEY — DATE — BY — NOTE BOOK

ORIGINAL SURVEY — April 1923 — KHP, JCW, JCW, FBH — 3313-3342

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
+65.50 F=0				
			135	20
298H+30 558.4				
556.0	102	0		
			63	7
298H+0 561.3				
Sta. 298H+20: Fill=0	11	14		
557.5			8	22
297H+80 560.9				
	11	47		
558.5			6	62
297H+55 558.9				
559.75	1	87		
Sta. 297H+50: Cut=0			0	39
560.25				
297H+45 557.1	0	122		
			0	51
560.75				
297H+35 555.9	0	152		
			0	44
561.25				
297H+25 557.8	0	90		
			0	85
562.5				
297H+0 558.0	0	95		
			1	118
Sta. 296H+50: Cut=0				
565.5				
296H+40 563.9	3	12		
TOTAL			212	448
			2/3	

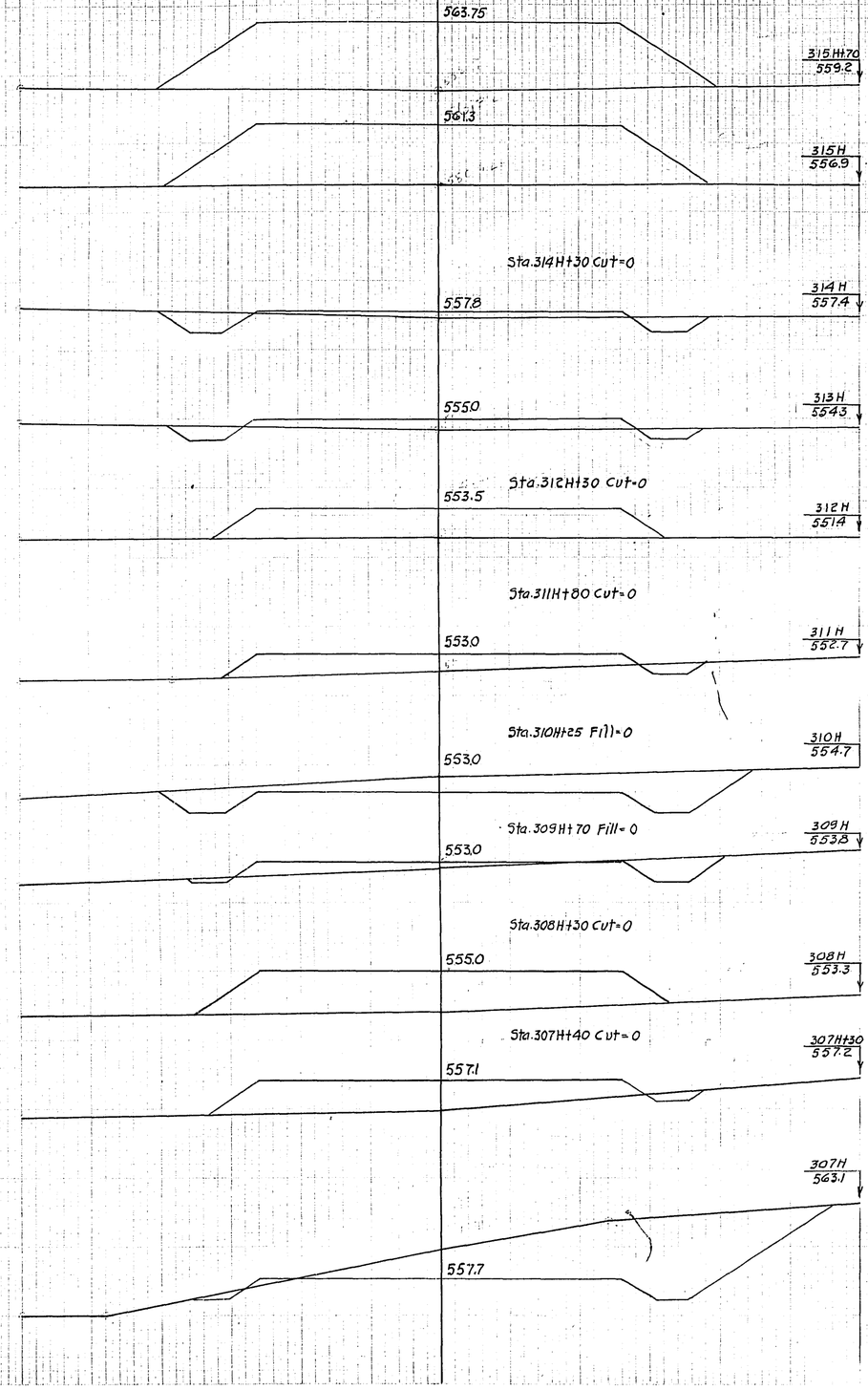
	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
Sta. 306H+95: Fill=0				
			253	0
306H+60 564.2				
558.0	230	0		
			429	0
306H 562.9				
557.0	156	0		
			145	0
305H+70 560.0				
557.1	106	0		
			137	32
Sta. 305H+00: Cut=0				
555.0 Sta. 305H+35 Fill=0				
305H 553.6	0	50		
			1	56
304H+70 553.6				
554.1	1	49		
			48	65
304H 554.7				
552.3	36	1		
			89	28
303H 553.2				
552.0	12	14		
			20	119
Sta. 302+10: Cut=0				
552.0				
302H 550.2	0	50		
			0	185
552.0				
301H 550.2	0	50		
			7	152
Sta. 300+50: Cut=0				
552.0				
300H 550.7	2	32		
			1	87
Sta. 299H+80: Cut=0				
552.2				
299H+40 550.5	0	46		
			2	57
Sta. 299H+40: Cut=0				
553.0				
299H 550.8	2	32		
TOTAL			1127	781

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		55	72

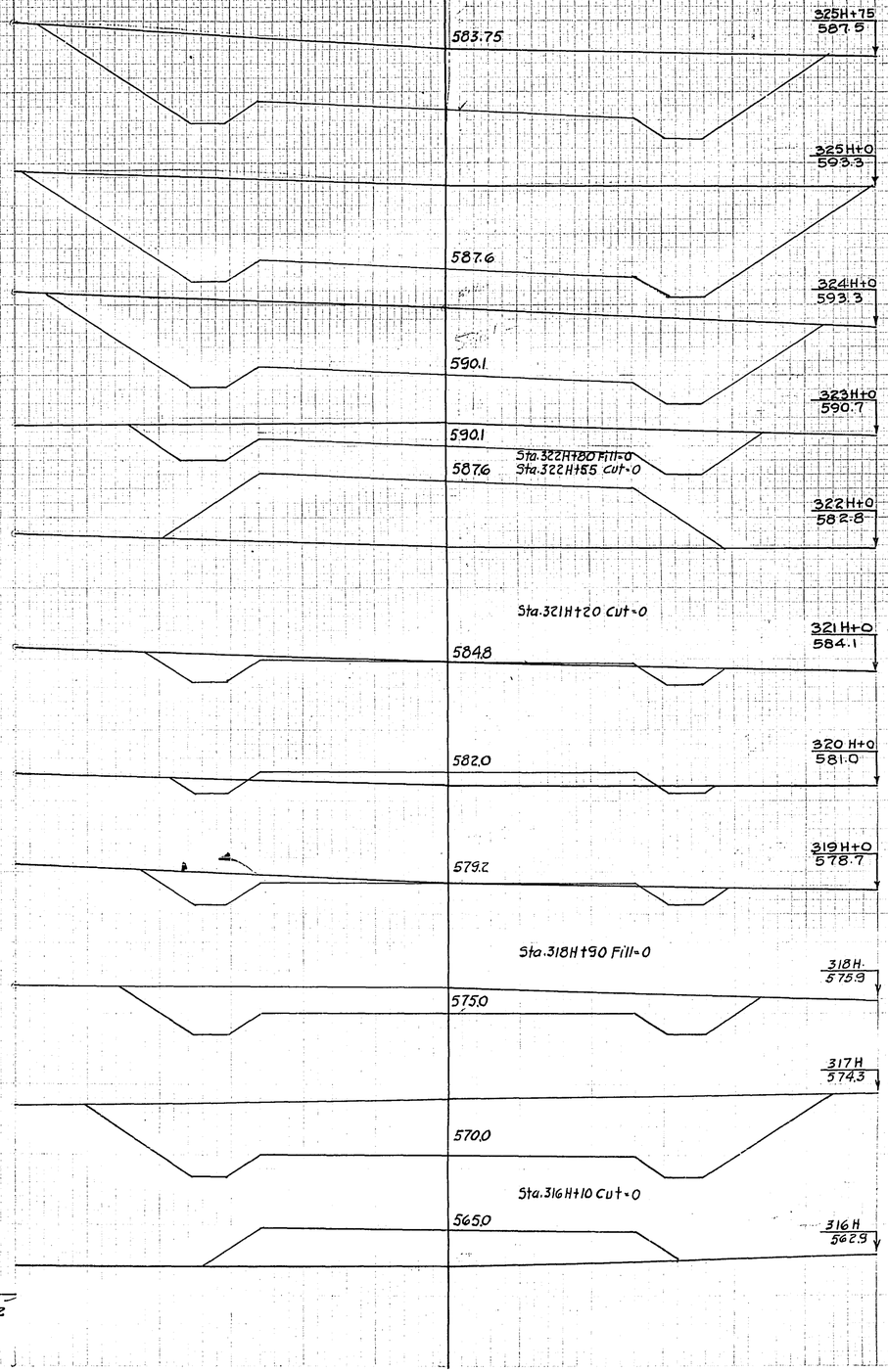
WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 2164

FINAL SURVEY — BY — DATE — NOTE BOOK — SHEET

ORIGINAL SURVEY — DATE 4/21/39 — V.H.P. — J.C.W. — T.C.W. — E.B.H. — 312-13



	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
	0	135		
	0	161		
	0	390		
	0	140		
	6	274		
	10	8		
	30	54		
	6	21		
	7	156		
	0	63		
	3	182		
	2	35		
	104	49		
	54	0		
	117	19		
	9	15		
	12	208		
	0	97		
	0	202		
	2	59		
	63	33		
	111	1		
TOTAL	342	1702		



	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			167	0
	230	0		
			744	0
	305	0		
			1000	0
	235	0		
			581	0
	79	0		
			66	222
	0	150		
			7	280
	17	1		
			41	44
	5	23		
			50	44
	22	1		
			200	0
	86	0		
			530	0
	200	0		
			333	152
	0	82		
TOTAL	3719	792		

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		56	72

WISCONSIN PROJECT NO. 187-
DIVISION JOB NO. 81122-

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			110	0
330H+70 582.2	119	0		
578.2			150	4
330H+30 580.6	84	7		
575.8			32	73
Sta. 330H+10 Cut=0				
574.0				
330H+0 568.4	0	125		
571.0			0	615
329H+0 564.4	0	207		
571.0			0	943
328H+0 562.9	0	302		
572.5			0	563
327H+50 564.0	0	306		
Sta. 327H+20 Cut=0				
575.0			7	403
327H+0 566.7	17	129		
			78	124
578.5				
326H+50 574.7	67	5		
Sta. 326H+35 Fill=0			183	1
326H+0 583.4	131	0		
582.0				
TOTAL	560	2726		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
612.65			0	254
337H+65 603.3	0	221		
608.2			0	593
337H+0 595.7	0	277		
601.2			0	809
336H+0 594.4	0	160		
Sta. 335H+20 Cut=0			2	343
596.7				
335H+0 593.7	5	25		
Sta. 334H+15 Fill=0			83	339
595.4				
334H+0 594.6	40	0	Total Mile 6 7959	7114
591.9			280	0
333H+0 595.3	111	0		
589.0			151	0
332H+50 589.8	52	0		
586.0			99	0
332H+0 586.7	55	0		
Sta. 331H+90 Fill=0			84	20
582.7				
331H+45 584.8	28	24		
Sta. 331H+10 Fill=0			90	16
580.0				
331H+0 582.5	80	0		
TOTAL	789	2080		

FINAL SURVEY — DATE — BY — SURVEYED — TRACED — CHKD

ORIGINAL SURVEY — 3713 — VHD April 1923 — LCW " " — LCW " " — EBW " "

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		57	92

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8153

FINAL SURVEY — DATE — BY — SURVEYED — PLOTTED — NOTE BOOK — No.

ORIGINAL SURVEY — DATE April 1953 — BY H.A.M. F.C.M. E.S.H. — NOTE BOOK 818

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
Sta. 341+65 Fill=0				
341H+30 637.9				
638.3			233	27
	175	0		
341H+0 636.2				
636.2			232	0
	243	0		
340H+0 632.0				
629.2			1152	0
	379	0		
339H+50 625.1				
625.7			578	0
	245	0		
Sta. 339H+25 Fill=0				
339H+0 616.3				
622.2			295	15
	74	33		
338H+80 614.9				
620.8			63	21
	96	25		
338H+50 610.7				
618.7			81	51
	49	67		
Sta. 338H+0 Cut=0				
338H+0 606.7				
615.2			45	220
	0	170		
TOTAL			2679	334

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
647.7				
347H+0 643.9			1	170
			2	80
647.28 Sta. 346H+90 Cut=0				
346H+40 643.8				0 283
			0	175
Sta. 346H+10 Cut=0				
647.0				0 185
346H+0 642.3				
			2	75
646.62				43 80
345H+45 643.6				
			40	3
646.3				64 10
345H+0 642.7				
			37	9
646.05				33 13
344H+65 645.1			15	11
Sta. 344H+40 Fill=0				93 5
344H+0 647.5				
645.6			62	0
				175 0
343H+50 648.7				
645.25			127	0
				132 1
Sta 343H+15 Fill=0				
343H+0 645.3				
644.8			16	5
				38 87
642.1				
342H+0 638.1				
			5	42
TOTAL			580	834

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		58	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 2164

	END CUT	END FILL	AREA CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
659.3					11	144
352H+0 657.8			4	34		
					19	93
659.6						
351H+0 658.3			6	16		
Sta. 350H+10 Fill=0					73	27
659.4						
350H+10 659.1			38	0		
					25	0
350H+0 659.2						
659.3			99	0		
					309	0
349H+55 661.3			272	0		
6584					387	0
349H+0 658.7			108	0		
656.3					46	2
Sta 348H+85 Fill=0						
348H+80 656.6			18	16		
655.3					124	15
Sta. 348H+30 Fill=0						
348H+30 657.6			116	0		
652.8					70	32
348H+0 652.8			10	56		
651.3					5	148
Sta. 347H+75 Cut=0						
649.0						
347H+50 645.8			0	104		
TOTAL			1063	461		

	END CUT	END FILL	AREA CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
632.9					50	67
360H+0 648.7			20	22		
					101	30
655.5						
359H+30 654.0			58	1		
Sta. 359H+0 Fill=0					67	1
656.0						
359H+0 654.8			62	0		
					137	56
656.2						
358H+0 652.9			12	30		
Sta. 357H+65 Fill=0					92	19
655.92						
357H+45 655.9			78	0		
Sta. 357H+25 Fill=0					76	7
655.7						
357H+0 654.1			13	14		
Sta. 356H+70 Cut=0					7	194
655.4						
356H+40 649.9			0	160		
					0	180
655.4						
356H+0 651.9			0	82		
Sta. 355H+90 Cut=0					45	154
657.5						
355H+0 656.2			27	1		
Sta. 354H+50 Fill=0					213	1
658.7						
354H+0 658.3			88	0		
+775 F F=20					167	61
659.0						
353H+0 657.5			2	44		
TOTAL					955	770

FINAL SURVEY — SUPERVISED — CHECKED

ORIG. INV. SURVEY — 3212-13

WHP HOW KEW EBH

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		59	72

WISCONSIN PROJECT NO. 182
DIVISION JOB NO. 8152

	END CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
			5	17
640.92 — +43 / 638.9	11	109		
			23	39
641.38 — +25 / 640.7	59	9		
			18	15
641.75 — +10 / 642.3	6	45		
			13	10
642.0 — 363H / 640.8	62	10		
			25	4
642.25 — +90 / 641.0	73	8		
			19	2
642.5 — +80 / 640.7	32	2		
			27	5
643.25 — +50 / 641.7	16	7		
			44	8
644.5 — 362H / 640.0	32	2		
			72	30
648.6 — 361H / 646.9	7	14		
TOTAL			246	130

Sta. 368H+70 Cut=0

	END CUT	AREA FILL	YARDAGE CUT	YARDAGE FILL
			67	44
635.4 — 368H / 635.1	51	0		
			74	0
635.6 — +70 / 636.4	82	0		
			109	22
Sta. 367H+30 Fill=0				
635.3 — 367H / 633.5	2	39		
			2	176
Sta. 366H+60 Cut=0				
635.0 — +25 / 631.6	0	88		
			0	63
Sta. 366H+10 Cut=0				
635.2 — 366H / 631.3	1	48		
			17	46
635.8 — +50 / 631.9	17	2		
			23	22
637.0 — 365H / 635.4	8	22		
			50	59
639.5 — 364H / 636.1	22	10		
			43	30
640.75 — 363H+50 / 638.5	24	22		
TOTAL			391	462

FINAL SURVEY — DATE — BY — CHECKED — NOTE BOOK

ORIGINAL SURVEY — DATE — BY — CHECKED — NOTE BOOK 3312

VBG April 1923
LCW " " "
LCW " " "
EGH " " "

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	WISC.	187		60	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 21.52

FINAL SURVEY

ORIGINAL SURVEY

VHP
TCW
TCW
TEH

April 1962

Sta. 373H+20 Fill-0

373H 631.7
631.0
630.7
+70 625.9
630.3
372H 627.6
630.3
+80 628.7

Sta. 371H+55 Cut-0

630.6
+40 629.5
630.9
371H 629.7
632.4
370H 632.0

+60 F-0
+60 F-0

633.37
+35 633.0
633.9
369H 632.0
634.4
368H+70 631.0

+30 F-0
+30 F-0

5	35	44	13	
0	160	1	108	
0	152	0	405	
0	142	0	109	
28	3	7	107	
23	3	38	5	
10	18	61	39	
80	0	108	13	
18	4	64	1	
0	59	10	35	
TOTAL		333	835	

377H+30 643.3
638.1
377H 643.0
634.5
634.0
633.4
633.0
632.4
632.0
631.3

Sta. 376H+95 Fill-0
Sta. 376H+20 Cut-0
Sta. 375H+10 Cut-0
Sta. 374H+85 Fill-0

376H+50 637.9
376H 634.1
+40 630.4
375H 634.0
374H 634.6
373H+30 633.3
+40 634.5

266	0		
298	0		
263	0		
175	0		
189	27		
29	32		
16	274		
0	264		
0	566		
0	245		
1	206		
6	32		
216	9		
188	0		
283	0		
134	0		
349	0		
75	0		
TOTAL		1583	1082

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		61	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 2183

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			68	163
6044 — 383H 601.9	10	58		
Sta.382H to Cut-0			18	350
606.2 — 382H 602.1	0	131		
611.45 — 381H+15 603.2	0	296	0	672
612.5 — 381H 607.6	0	237	0	148
Sta.380H+70 Cut=0			6	234
380H+50 618.4	14	16		
616.0			111	7
Sta.380H+25 Fill=0				
380H 623.1	106	0		
619.5			107	0
379H+80 625.0	184	0		
620.9			375	0
379H 631.2	204	0		
626.5			715	0
378H 632.5	182	0		
632.2			269	0
377H+60 640.5	180	0		
633.5				
TOTAL	1069	1377		

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			19	18
598.9 — 392H 597.6	34	8		
			87	22
598.8 — 391H 598.3	13	4		
			57	33
598.7 — 390H 596.2	18	14		
			44	48
598.6 — 389H 597.0	6	12		
			74	72
388H 600.0 — Total Mile 7	10285	8838		
599.4	34	27		
			128	80
600.4 — 387H 599.9	35	16		
			113	76
601.4 — 386H 598.4	26	25		
			92	51
602.1 — 385H+30 601.3	45	14		
			45	18
602.4 — 385H 601.7	36	17		
			117	67
603.4 — 384H 602.2	27	30		
TOTAL	776	505		

FINAL SURVEY — DATE — BY — NOTE BOOK

ORIGINAL SURVEY — DATE 6/11/1923 — BY V.H.P. J.C.W. E.B.H. — NOTE BOOK 38/2

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	189		62	72

WISCONSIN PROJECT NO. 182
DIVISION JOB NO. 8154

FINAL SURVEY — ELEVATIONS CHECKED — NOTE BOOK — DATE — BY

		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
396H+0 594.3					
Sta. 396H+0 Fill=0					
590.2	66	0			
		~~70~~	57		
595H+45 590.5				0	1 45
590.5	2	56			
Sta. 395H+35 Cut=0					
		0	118		
591.6					
395H+0 589.3					
	0	87			
		0	236		
593.6					
394H+45 590.0					
	0	145			
Sta. 394H+25 Cut=0					
Sta. 394H+10 Fill=0					
		39	94		
394H+0 597.5					
595.4	85	0			
		117	0		
393H+70 598.6					
596.6	125	0			
		194	0		
393H+0 598.7					
598.6	25	0			
Sta. 392H+55 Fill=0					
		55	0		
392H+55 597.9					
598.95	41	0			
		7	11		
392H+45 596.1					
598.94	2	62			
		1	23		
392H+30 596.4					
598.93	1	23			
	TOTAL	482	539		

401H+70 577.7				
578.5	1	37		
×25 F=0			74	31
401H+0 583.1				
581.8	56	0		
×25 F=0			61	12
400H+45 584.6				
584.55	4	26		
			26	21
Sta. 400H+0 Fill=0				
400H+0 587.6				
580.8	27	0		
			206	0
399H+0 587.6				
590.0	84	0		
			155	0
398H+65 589.9				
590.2	155	0		
Sta. 398H+35 Fill=0				
			191	30
398H+0 587.6				
590.2	4	45		
			2	28
397H+85 588.2				
590.2	0	57		
			22	108
397H+0 591.0				
590.2	14	12		
			148 765	22
TOTAL		901 886		297

FINAL SURVEY — ELEVATIONS CHECKED — NOTE BOOK — DATE — BY

ORIGINAL SURVEY — 332 — Wire 165 ICW EBH — Engineering

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		63	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8152

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			41	52
408H+0 576.9	21	0		
			146	0
407H+0 577.0	58	0		
			73	0
406H+70 576.3	73	0		
			126	12
406H+0 576.0	24	9		
			46	94
405H+0 574.8	1	42		
			0	183
404H+0 574.1	0	57		
			0	51
403H+80 573.5	0	80		
			3	160
403H+0 576.5	5	28		
			11	135
402H+0 576.6	1	45		
TOTAL	446	682		

Sta. 408H+40 Fill=0
576.4
577.5
Sta. 406+70 Fill=0
576.4
576.4
+70 F=0
576.4
576.4
Sta. 404H+95 Cut=0
576.4
576.4
Sta. 403H+30 Cut=0
576.4
577.4

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
				153 0
413H+65 602.1	160	0		
				127 6
413H+30 597.3	36	11		
				28 19
413H+0 597.7	14	24		
				220 18
412H+0 595.9	105	0		
				119 2
411H+55 589.5	38	6		
				78 10
411H+0 588.8	38	4		
				21 212
410H+20 579.9	0	139		
				0 99
410H+0 579.5	0	128		
				0 320
409H+0 577.8	1	46		
TOTAL	796	682		

Sta. 413H+40 Fill=0
600.8
600.3
Sta. 412H+60 Fill=0
599.5
595.3
Sta. 411H+75 Fill=0
592.82
589.8
+70. C=0
585.4
Sta. 410H+70 Cut=0
584.3
Sta. 409H+30 Cut=0
580.0

FINAL SURVEY
DATE
BY

ORIGINAL SURVEY
Sept 1923
" " "
" " "
" " "
3218

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		64	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 3184

FINAL SURVEY
ORIGINAL SURVEY
April 1923
VHD
VCS
VES
VCW
313

Sta. 422H+90 Cut=0

422H+0 612.8 — 612.1

Sta. 421H+85 Fill=0

421H+0 616.9 — 612.3

Sta. 420H+50 Fill=0

420H+0 611.7 — 611.3

Sta. 419H+20 Cut=0

419+0 606.1 — 608.8

607.55

418H+50 604.0

Sta 418H+30 Cut=0

418H+0 604.2 — 606.3

Sta 417H+75 Fill=0

604.92

417H+45 604.2

417H+0 604.7 — 603.8

Sta. 416H+95 Fill=0

416H+60 601.9 — 602.8

Sta. 416 H+0 Cut=0

416H+0 598.8 — 601.5

601.0

415H+0 598.5

Sta. 414H+75 Cut=0
Sta. 414H+35 Fill=0

414H+0 601.5 — 601.0

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
422H+0	21	3	35	80
			376	1
421H+0	182	0		
			370	18
420H+0	18	19		
			27	187
419+0	0	82		
			0	158
418H+50	0	89		
			19	91
418H+0	34	9		
			169	4
417H+45	132	0		
			172	0
417H+0	75	0		
			57	32
416H+60	2	50		
			2	107
416H+0	0	47		
			0	193
415H+0	0	57		
			104	68
414H+0	875	0		
TOTAL			1331	859 939

431H+0 600.8 — 599.8

430H+0 599.5 — 601.5

429H+50 602.2 — 602.35

Sta. 429 Ht.10 Fill=0

429H+0 605.0 — 605.2

428H+0 607.6 — 604.9

427H+0 609.8 — 606.6

426H+0 608.1 — 607.7

Sta 426H+0 Fill=0

425H+25 607.9 — 608.52

Sta 425H+15 Cut=0

425H+0 607.5 — 608.8

609.9

424H+0 607.3

611.0

423H+0 609.3

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
431H+0	49	0	120	11
			93	117
430H+0	1	63		
			6	81
429H+50	5	24		
			68	18
429H+0	69	0		
			372	0
428H+0	132	0		
			437	0
427H+0	104	0		
			276	0
426H+0	45	0		
			67	25
425H+25	3	18		
			1	26
425H+0	0	38		
			0	178
424H+0	0	58		
			0	182
423H+0	0	40		
TOTAL			1990	638

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		65	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 6154

Total Miles 7.455 5.437

Sta. 440 H+50 Cut=0

Sta. 438H+70 Cut=0

Sta. 433H+20 Cut=0

Sta. 443 H+35 Fill=0

Sta. 441H+0 Fill=0

		END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
601.3	440H+0 698.4				
		1	44	1	82
599.2	439H+0 598.2				
		6	20	13	118
599.0	438H+0 596.8				
		0	54	4	137
599.0	437H+0 396.0				
		0	53	0	198
599.0	436H+0 596.2				
		0	47	0	185
599.0	435H+0 596.1				
		0	61	0	200
599.0	434H+0 596.1				
		0	59	0	222
599.0	433H+0 598.1				
		1	34	0	172
599.0	432H+0 598.9				
		16	6	32	74
				TOTAL 50	1388

		END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
614.3	443H+0 612.2				
				159	0
				159	0
613.9	442H+75 615.6				
				186	0
				501	0
611.0	442H+0 608.8				
				175	0
				431	0
608.25	441H+45 612.8				
				249	0
				252	0
606.0	441H+0 604.3				
				53	0
				49	42
603.5	440H50 599.4				
				0	45
				TOTAL	1796 74

		END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
				Total Miles	7.455 5.437
				404	32
				159	0
				501	0
				431	0
				252	0
				49	42
				TOTAL	1796 74

FINAL SURVEY — DATE — BY — PLOTTED — CHECKED — TRACED — CHECKED

ORIGINAL SURVEY — DATE April 1933 — BY WHP JCS LCW — PLOTTED — CHECKED — TRACED — CHECKED — 8/13

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		66	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8155

FINAL SURFACE SURVEY

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
			157	0
449H+0 614.6	83	0		
			204	0
Sta. 448H+20 Fill=0				
448H+0 608.6	27	1		
			59	65
447H+0 603.1	5	34		
			32	154
446H+0 604.2	12	49		
			61	154
445H+0 606.9	21	34		
			171	44
444H+30 610.6	111	0		
			94	16
444H+0 607.1	59	26		
TOTAL			778	933

Sta. 454H+70 Cut=0

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
454H+0 599.3	0	61	1	196
			0	99
453H+75 596.4	0	153		
			21	218
453H+0 606.6	33	4		
			182	1
452H+45 607.8	145	0		
			137	0
452H+0 606.0	20	2		
			18	115
451H+0 606.4	0	60		
			28	124
450H+0 611.5	30	7		
			17.7	4
449H+40 615.0	129	0		
TOTAL			564	757

Sta. 453H+35 Cut=0
Sta. 452H+90 Fill=0
Sta. 452H+10 Fill=0
Sta. 451H+50 Cut=0
Sta. 450H+50 Cut=0
Sta. 449H+70 Fill=0

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		67	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 8149

	DATE	BY
ORIGINAL SURVEY	April 1923	KHP
	" "	JCS
	" "	JCS
NOTE BOOK	3918	LCW

	DATE	BY
FINAL SURVEY		
NOTE BOOK		

Sta. 460H+35 to 370 = 2.4'

Sta. 460H+20 Fill=0

Sta 457H+90 Cut=0

Sta. 456H+70 Fill=0

Sta 456H+25 Fill=0

Sta. 455H+70 Fill=0

		End Area Cut	End Area Fill	Yardage Cut	Yardage Fill
603.7	460H+35 / 604.0	41	0	35	0
				43	1
603.0	460H+0 / 603.2	25	2		
				46	91
601.2	458H+0 / 599.8	0	47		
				0	180
601.0	458H+0 / 599.4	0	50		
				63	107
601.0	457H+0 / 599.4	38	8		
				154	5
601.0	456+35 / 601.0	90	0		
				97	9
601.0	456H+0 / 597.4	60	20		
				68	11
601.0	455H+70 / 598.8	62	0		
				83	58
601.0	455H+0 / 601.6	2	45		
	TOTAL			589	462

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		68	72

WISCONSIN PROJECT NO. 187
DIVISION JOB NO. 81672

FINAL SURVEY DATE

ORIGINAL SURVEY DATE Apr 1933 324

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
Sta. 379 F+05 Cut-0			✓ 4	✓ 118
379F+10 G142 / 614.5	0	142		
			✓ 57	✓ 211
Sta. 378 F+95 Cut-0				
378F+20 G16.5 / 612.1	56	48		
			✓ 95	✓ 56
378F+0 G16.7 / 610.5	73	27		
			✓ 118	✓ 32
377F+50 G12.8 / 608.5	54	8		
			✓ 70	✓ 11
377F+10 G090 / 606.7	21	4		
			✓ 7	✓ 51
Sta. 376 F+80 Cut=0				
376F+70 G05.5 / 605.8	0	88		
			0	✓ 149
Sta. 376 F+25 Cut=0				
376F+15 G04.3 / 604.48	1	58		
			✓ 11	✓ 16
376F+0 G03.5 / 604.18	39	0		
TOTAL			✓ 362	✓ 694

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
380F+35 G22.1 / 618.3	292	0		
			✓ 332	0
Sta. 379 F+75 Fill=0				
380F+0 G24.2 / 618.4	220	0		
			222	✓ 3
+75 F=0				
379F+60 G21.6 / 616.9	79	11		
			4.8	✓ 4.5
379F+30 G17.9 / 615.7	8	71		
TOTAL			602	98

FED. ROAD DIST No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		68	82

WISCONSIN PROJECT NO. _____
DIVISION JOB NO. 8154

FINAL SURVEY

V.H.P.
V.H.P.
K.W.N.
J.J.D.

DEC 1962
FEB 1963
MAR. "

3214

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
380F 624.3				
	220	0	331	0
618.4				
+75 Fill=0				
379F+60 621.6			221	3
616.9	79	11		
			48	45
379F+30 617.8	8	71		
615.7			4	118
+85 Cut=0				
379F 614.2	0	142		
614.5			57	211
+95 Cut=0				
378F+40 616.6	56	48		
612.1			95	56
378F 616.6	73	27		
610.5			115	34
377F+50 612.7	51	10		
608.5			72	9
377F 609.0	27	0		
606.5			13	43
+75 Cut				
376F+70 605.5	0	81		
605.6			1	132
+45 Cut=0				
376F+15 604.3	2	49		
604.3				
Total	957	653		

+55 Cut=0
+75 Fill=0

	END AREA CUT	END AREA FILL	YARDAGE CUT	YARDAGE FILL
384F+35 616.2				
620.1			0	150
384F 614.9			66	111
619.8			0	161
383F 617.2			0	202
620.0			0	123
+80 Cut=0				
+50 Fill=0			0	526
382F+20 618.6			266	0
620.16			295	114
382F 619.1			227	0
620.2				
620.3			182	0
+55 Cut=0				
+90 Fill=0			189	144
381F+50 610.4			0	195
+35 Cut=0			3	261
620.3				
381F 613.3			4	87
+75 Fill=0			211	47
380F+60 619.7			281	0
619.9			265	0
380F+35 622.0			291	0
619.3				
Total			1211	1399

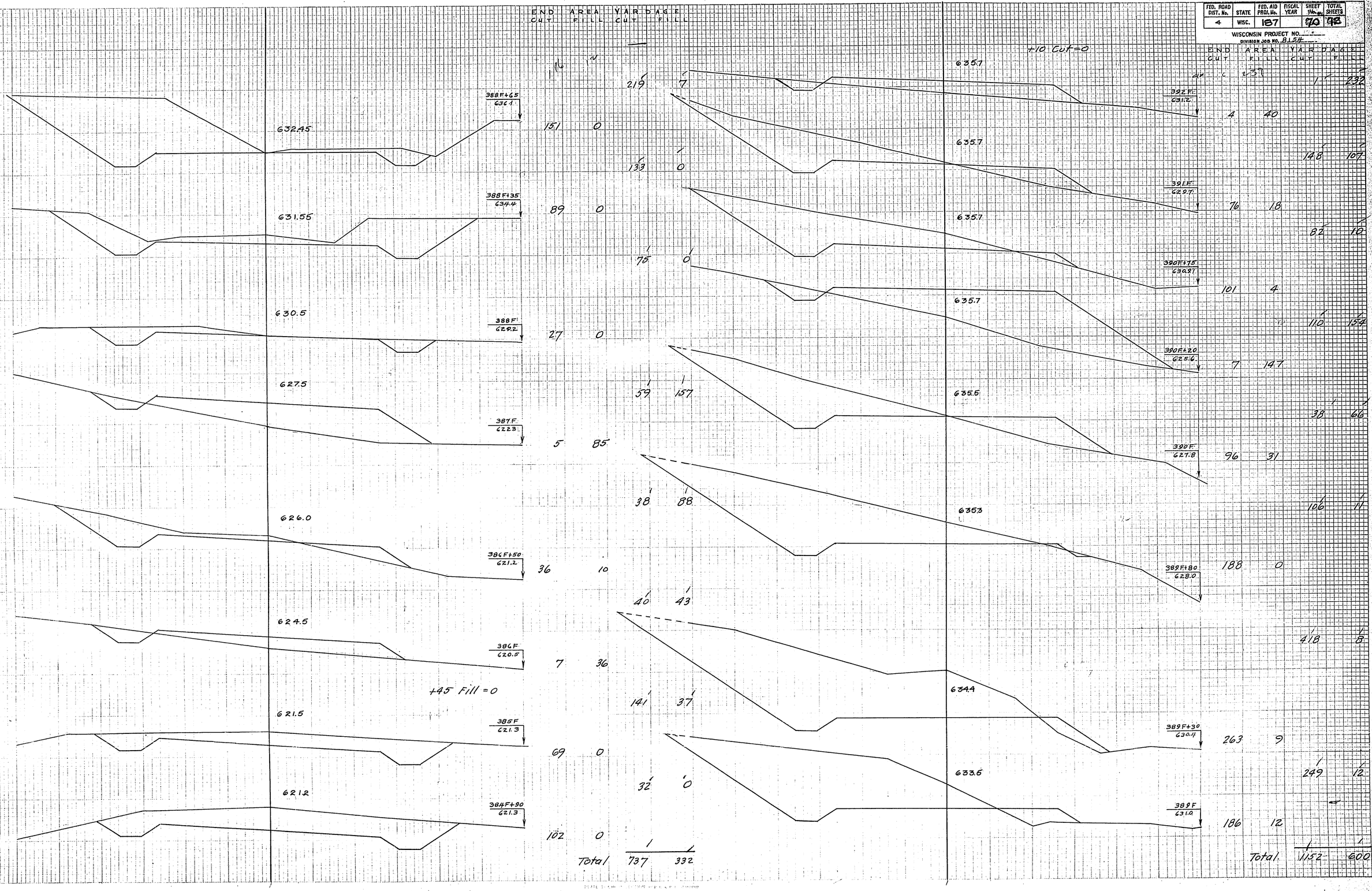
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		90	98

WISCONSIN PROJECT NO. ---
DIVISION JOB NO. 8154

FINAL SURVEY — STAKED / PLOTTED / DRAWN / TRACED / CHECKED / DATE

V. H. P. Dec/1922 Feb/1923
V. H. S. Mar. "
V. L. S. "
L. W. H.

ORIGINAL SURVEY — 3214



FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187		91	92

WISCONSIN PROJECT NO. _____
DIVISION JOB NO. 81.54

FINAL SURVEY NOTE BOOK

V. H. P. Prints Mar. '63
V. H. P. 3.14
L. C. N.

	END AREA YARDAGE			
	CUT	FILL	CUT	FILL
647.8				
396 F 640.6	61	17	265	82
643.3	56	31		
395 F+25 632.7	17	139	101	236
641.8				
395 F 634.9	46	47	30	86
638.6		+55 Fill = 0		
394 F+46 636.5	165	0	215	39
636.8		+35 Fill = 0		
394 F 634.7	43	1	173	1
635.9			57	1
393 F+60 633.4	35	0		
635.7		+ 40 Cut = 0		
393 F 627.5	0	226	13	251
635.7			0	273
392 F+75 624.5	0	363		
635.7			0	334
392 F+45 626.8	0	239		
Total	854	1303		

	END AREA YARDAGE			
	CUT	FILL	CUT	FILL
120 4 of 11 C 71.0	4	62	2	57
6706			18	32
400 F+80 670.8	43	25		
6703			91	42
400 F 667.9	18	8		
669.0		+90 Fill = 0	152	2
399 F+30 669.1	146	0		
667.5		+10 Fill = 0	181	1
399 F 662.6	49	4		
665.4			32	31
398 F+70 660.6	8	51		
664.0			16	144
398 F 657.5	4	60		
659.8		+55 Fill = 0	81	30
397 F+50 654.9	83	0		
656.8		+45 Fill = 0	157	11
397 F 649.5	87	13		
653.8				
Total	730	377		

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
4	WISC.	187	67	42	42

WISCONSIN PROJECT NO. 197
DIVISION JOB NO. 8184

FINAL SURVEY NOTE BOOK

V. H. P. Dec. 1932
V. H. P. Rev. 1953
I. C. S.
L. W. N.

ORIGINAL SURVEY

3214

END AREA YARDAGE

	CUT	FILL	CUT	FILL
Total Mile #9			8214	6941
407F 665.1	4	23		
6648			18	89
406F 665.8	6	25		
6657			13	154
405F 665.8	1	58		
6665			4	178
404F 668.5	1	38		
6678			167	43
+40 Fill = 0				
403F 670.3	89	0		
6691			153	0
402F+05 670.5	94	0		
6697			171	0
402F 672.2	74	0		
6703			109	122
+20 Cut = 0 +90 Fill = 0				
401F+20 670.8	0	94		
6707				
Total			1635	586

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	187(5)	721	72

DIVISION JOB NO. 8231

	DATE
FINAL SURVEY	SURVEYED
	PLOTTED
NOTE BOOK	CHECKED
NO.	REVISED

	DATE
ORIGINAL SURVEY	SURVEYED Jan. 1924
	PLOTTED July
NOTE BOOK 345	CHECKED
NO.	REVISED

BY E.B.H. A.W.M. S.W.T.

	END AREA Cut	END AREA Fill	YARDAGE Cut	YARDAGE Fill
602+50 46.0			0	132
	0	77		
Sta. 602+35 Cut = 0 Sta. 602+35 Fill = 0			31	21
602+20 49.4	111	0		
			97	0
602+10 50.2				
601+40 43.1	152	0		
Sta. 601+20 Fill = 0			302	4
	11	11		
			37	33
600+40 39.5	9	7		
			4	118
Sta. 599+75 Cut = 0				
599+50 36.8	0	120		
			1	182
Sta. 599+10 Cut = 0				
599+10 39.5	4	76		
			59	56
598+60 45.2	76	0		
			56	0
598+40 46.7	74	0		
			102	0
598+10 47.0	63	0		
			57	7
Sta. 597+80 Fill = 0				
597+60 49.3	15	20		
			37	33
597+40 53.4				
597+10 56.0				
Total	746	553		

	END AREA Cut	END AREA Fill	YARDAGE Cut	YARDAGE Fill
609+10 49.3			32	104
	17	3		
608+80 49.0			11	5
	13	9		
			7	88
608+30 46.5	0	86		
			0	99
608+10 47.0	0	93		
			2	62
607+70 49.1	8	18		
			11	47
607+20 50.8			4	33
			12	18
607+00 53.1	29	16		
			84	9
Sta. 606+70 Fill = 0				
606+60 55.3	85	0		
			168	0
606+10 55.8	67	0		
			182	6
605+10 57.0	31	3		
			63	4
604+50 57.0	37	1		
			48	11
604+10 54.6	15	11		
			28	130
603+10 49.5	0	58		
			0	30
602+90 49.0	0	100		
Total	648	613		

Use dotted section

Use dotted section

Use dotted section

Use dotted section

Use dotted section

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	187 Ext	72	72

DIVISION JOB NO. 8231

				END AREA		YARDAGE	
				Cut	Fill	Cut	Fill
63.2	618+10	61.3		0	93	1	113
	Sta. 617+80 Cut = 0						
66.4	617+50	67.1		13	6	7	92
	Sta. 617+10 Fill = 0					77	5
69.0	617+10	71.6		70	0		
						220	0
	616+50	72.5		167	0		
70.4						271	0
71.0	616+10	72.0		126	0		
						170	0
70.7	615+50	70.7		58	0		
	Sta. 615+20 Cut = 0					70	1
69.5	615+10	69.0		17	2		
						56	2
66.8	614+90	66.3		33	0		
						35	0
64.4	614+10	64.6		14	0		
						33	39
58.4	613+10	57.0		4	21		
use dotted section						15	100
52.6	612+10	50.5		4	33		
						11	113
use dotted section							
49.5	611+10	48.3		2	28		
	Sta. 610+75 Cut = 0					0	85
49.1	610+50	47.3		0	64		
						0	108
use dotted section							
49.0	610+10	47.7		0	53		
						Total	966 658

				END AREA		YARDAGE	
				Cut	Fill	Cut	Fill
26.4							
	629+10	23.0		0	102	120	38
25.5	628+10	22.5		0	36	0	36
26.4	627+10	23.5		0	93	0	331
	Sta. 626+70 Cut = 0			0	86	5	60
27.8	626+60	25.0		24	3		
						34	17
31.0	626+10	28.1		7	12		
33.8						19	53
	625+50	31.0		14	48		
						21	59
36.6	625+10	35.9		9	18		
	Sta. 624+50 Fill = 0					185	18
41.0	624+10	42.9		91	0		
						178	18
44.4	Sta. 623+60 Fill = 0						
	623+10	44.3		5	16		
						43	35
46.3	622+10	47.0		18	3		
						46	26
48.0	621+10	46.5		7	11		
50.0						10	83
	620+40	47.4		2	64		
						7	58
51.4	620+10	49.5		7	15		
						18	12
53.1	619+60	52.8		18	1		
						24	30
56.8	619+10	56.5		4	26		
						7	51
60.0	618+50	59.5		4	29		
						Total	717 1256

+15 Cut = 0
+15+15 Cut = 0
+15+15 Fill = 0

c-15

FINAL SURVEY — SURVEYED — PLOTTED — NOTE BOOK — DATE

ORIGINAL SURVEY — SURVEYED Jan. 1934 July — E.B.H. E.B.H. A.W.M. S.V.T. — NOTE BOOK 3456 — DATE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
4	WISC.	1876(7)	723	72

DIVISION JOB NO. 82.31

FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
DATE	
BY	

ORIGINAL SURVEY	
SURVEYED	E.B.H.
PLOTTED	L.C.W.
NOTE BOOK	A.W.M.
NO. 3496	S.W.T.
DATE	Jan 1924
	July " "

	END AREA Cut	END AREA Fill	YARDAGE Cut	YARDAGE Fill
			0	143
33.0				
640+10 300				
	0	69		
			1	174
Sta 639 + 30 Cut = 0				
33.0				
639+10 31.8				
	2	25		
			15	94
33.0				
638+10 32.6				
	6	26		
			94	48
637+10 34.7				
33.7				
	45	0		
			98	20
34.9				
636+10 32.2				
	8	14		
			161	16
Sta 635+40 Fill = 0				
361				
635+10 36.8				
	79	0		
			211	2
Sta 634+50 Fill = 0				
366				
634+10 37.3				
	35	2		
			91	17
35.0				
633+10 35.4				
	14	7		
			41	39
31.2				
632+10 32.0				
	8	25		
			44	76
288				
631+10 30.0				
	16	16		
			298	9
Sta 630+70 Fill = 0				
27.6				
630+10 30.9				
	145	0		
			306	0
27.0				
629+50 30.5				
	185	0		
	Total 1360		664	

	END AREA Cut	END AREA Fill	YARDAGE Cut	YARDAGE Fill
			TOTAL 4437	7907
WORK ENDS HERE				
			0	0
			0	37
406 F+0				
	0	20		
			0	126
33.0				
407 F+0 30.4				
	0	48		
	Total 0		163	

Equation: Sta. 640+65.6 = Sta. 407 F+00