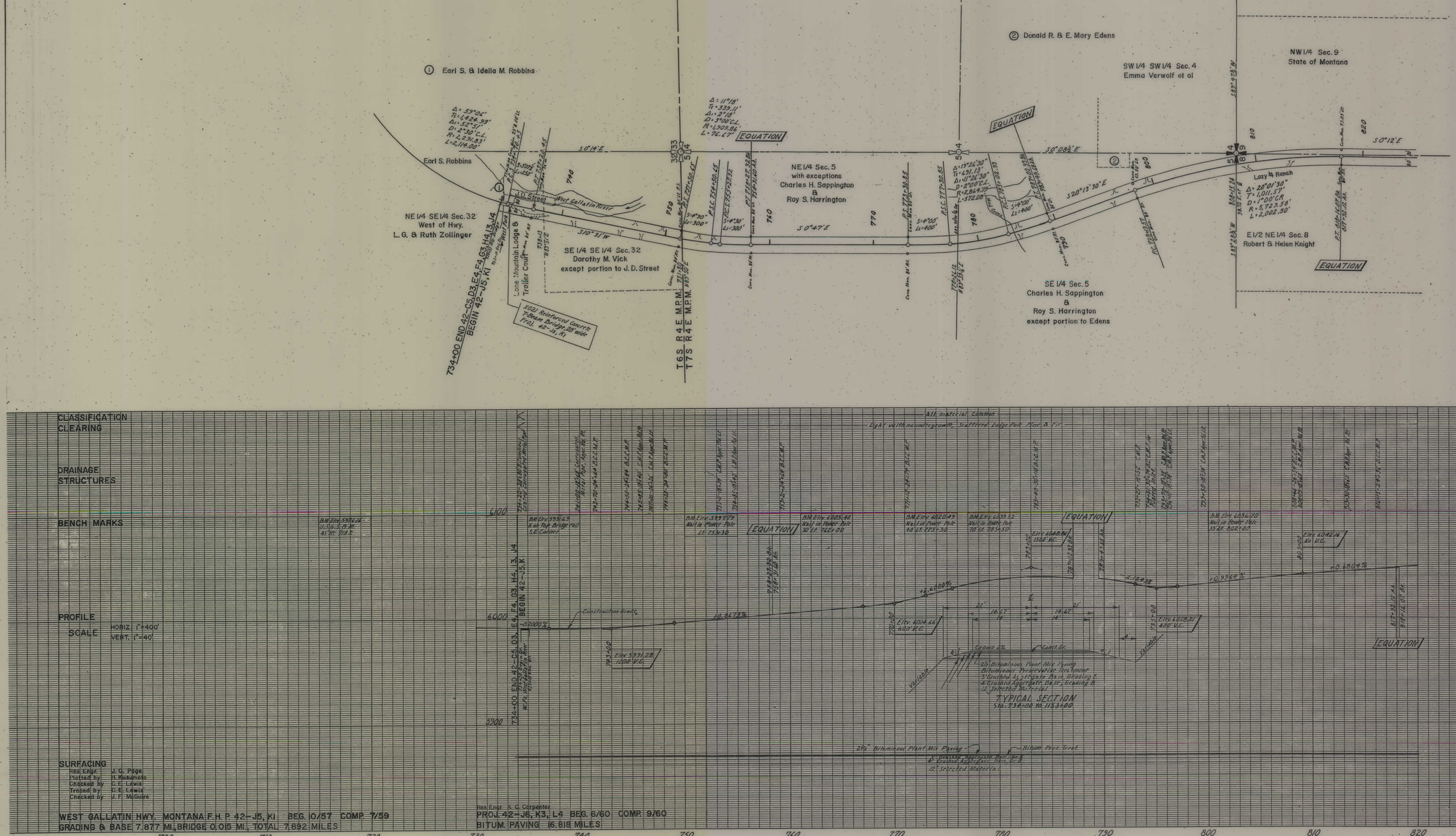
PLANS

NOT

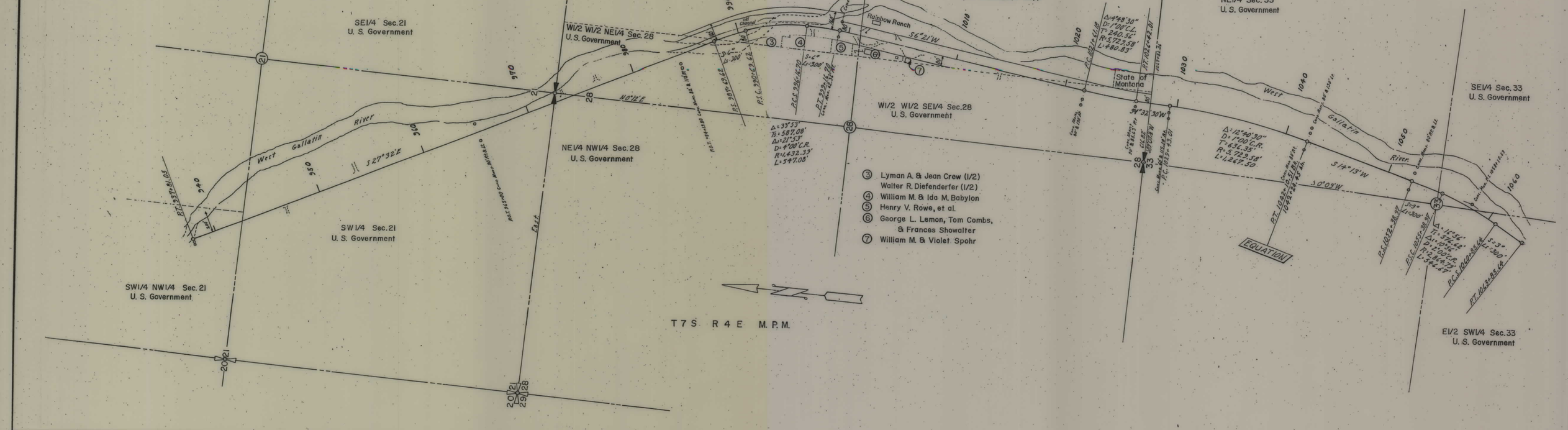
TO

SCALE


① Earl S. & Idella M. Robbins
② Donald R. & E. Mary Edens
Earl S. Robbins
NE 1/4 SE 1/4 Sec. 32
West of Hwy.
L. G. & Ruth Zollinger
SE 1/4 SE 1/4 Sec. 32
Dorothy M. Vick
except portion to J. D. Street
Lone Mountain Lodge & Trailer Court
J.D. Street
West Gallatin River
NE 1/4 Sec. 5
with exceptions
Charles H. Sappington
&
Roy S. Harrington
SE 1/4 Sec. 5
Charles H. Sappington
&
Roy S. Harrington
except portion to Edens
SW 1/4 SW 1/4 Sec. 4
Emma Verwolf et al
NW 1/4 Sec. 9
State of Montana
Lazy ½ Ranch
E 1/2 NE 1/4 Sec. 8
Robert & Helen Knight
EQUATION
734+00 END 42-C5, D3, E4, F4, G3, H4, I3, J4
BEGIN 42-J5, K1
T6S R4E M.P.M.
T7S R4E M.P.M.
S0°14'E
S10°37'W
S0°47'E
S0°08½'E
S20°13'30"E
S0°12'E
CLASSIFICATION
CLEARING
All material Common
Light with no undergrowth, Scattered Lodge Pole Pine & Fir
DRAINAGE
STRUCTURES
BENCH MARKS
PROFILE
SCALE HORIZ. 1"=400'
VERT. 1"=40'
Construction Grade
Crown 2%
Const. Gr.
Variable
2½" Bituminous Plant Mix Paving
Bituminous Preservative Treatment
3" Crushed Aggregate Base, Grading E
4" Crushed Aggregate Base, Grading B
12" Selected Material
TYPICAL SECTION
Sta. 734+00 to 1153+00
2½" Bituminous Plant Mix Paving
Bitum. Pres. Treat.
12" Selected Material
SURFACING
Res. Engr. J. Q. Page
Plotted by H. Kusumoto
Checked by C. E. Lewis
Traced by C. E. Lewis
Checked by J. F. McGuire
WEST GALLATIN HWY. MONTANA F.H.P. 42-J5, K1 BEG. 10/57 COMP. 7/59
GRADING & BASE 7.877 MI., BRIDGE 0.015 MI., TOTAL 7.892 MILES
Res. Engr. K. C. Carpenter
PROJ. 42-J6, K3, L4 BEG. 6/60 COMP. 9/60
BITUM. PAVING 6.818 MILES
700
710
720
730
740
750
760
770
780
790
800
810
820

NW1/4 Sec. 9
State of Montana
SW1/4 Sec. 9
State of Montana
NW1/4 NW1/4 Sec. 16
State of Montana
SW1/4 NW1/4 Sec. 16
U. S. Government
W1/2 SW1/4 Sec. 16
Willabelle L. Tonn
NW1/4 NW1/4 Sec. 21
Willabelle L. Tonn
SW1/4 NW1/4 Sec. 21
U. S. Government
E1/2 NE1/4 Sec. 8
Robert & Helen Knight
E1/2 SE1/4 Sec. 8
Robert & Helen Knight
NE1/4 Sec. 17
Charles H. Sappington
&
Roy S. Harrington
SE1/4 Sec. 17
Charles H. Sappington
&
Roy S. Harrington
EQUATION
EQUATION
EQUATION
T7S R4E M.P.M.
Beaver Creek
School House
Gallatin River
Old Channel
S0°11'E
S14°28'E
S27°32'E
N83°56'W
S0°12'E
N83°56'W

CLASSIFICATION
CLEARING
All material Common
Light with no undergrowth, Scattered Lodge Pole Pine & Fir.
DRAINAGE
STRUCTURES
BENCH MARKS
PROFILE
SCALE
HORIZ. 1" = 400'
VERT. 1" = 10'
TYPICAL SECTION
Sta. 734+00 to 1153+00
2½" Bituminous Plant Mix Paving
Bituminous Preservative Treatment
3" Crushed Aggregate Base, Grading 2
4" Crushed Aggregate Base, Grading 1
12" Selected Material
Construction Grade
EQUATION
SURFACING
Res. Engr. J. O. Page
Plotted by H. Kaumoto
Checked by C. E. Lewis
Traced by C. E. Lewis
Checked by J. F. McGuire
2½" Bituminous Plant Mix Paving
Bitum. Pres. Treat.
12" Selected Material
WEST GALLATIN HWY. MONTANA F.H.P. 42-J5, K1 BEG. 10/57 COMP. 7/59
GRADING & BASE 7.877 MI., BRIDGE 0.015 MI., TOTAL 7.892 MILES
Res. Engr. K. C. Carpenter
PROJ. 42-J6, K3, L4 BEG. 6/60 COMP. 9/60
BITUM. PAVING 16.818 MILES
820
830
840
850
860
870
880
890
900
910
920
930
940



CLASSIFICATION
CLEARING

All material Common.
Light with no undergrowth, Scattered Large Pole Pine & Fir

DRAINAGE
STRUCTURES

BENCH MARKS

BM. Elev. 4145.72
Wall or Post & Large Hole
Pine 170' Lt. 950+00

BM. Elev. 4156.82
Wall or Post & Large Hole
Pine 100' Lt. 970+50

BM. Elev. 4271.42
Wall or Post & Large Hole
Pine 100' Lt. 990+00

BM. Elev. 4222.75
Wall or Post & Pine
12" Rt. 1043+00

PROFILE
SCALE HORIZ. 1"=100'
VERT. 1"=40'

Elev. 4149.21
No V.C.

Elev. 4152.37
No V.C.

Elev. 4167.77
800' V.C.

Elev. 4160.59
600' V.C.

Elev. 4176.20
600' V.C.

Elev. 4200.80
600' V.C.

Elev. 4217.75
400' R.C.

Elev. 4220.63
No V.C.

-0.4647%
+0.8800%
-0.0446%
+0.6938%
+2.5895%
+0.4071%
+0.1816%
+0.3902%

Crown 2%
Contr. Gr.
Variable
EQUATION

2½" Bituminous Plant Mix Paving
Bituminous Preservative Treatment
3" Crushed Aggregate Base, Grading E
4" Crushed Aggregate Base, Grading D
12" Selected Material
TYPICAL SECTION
STA. 7.34+00 to 11.53+00

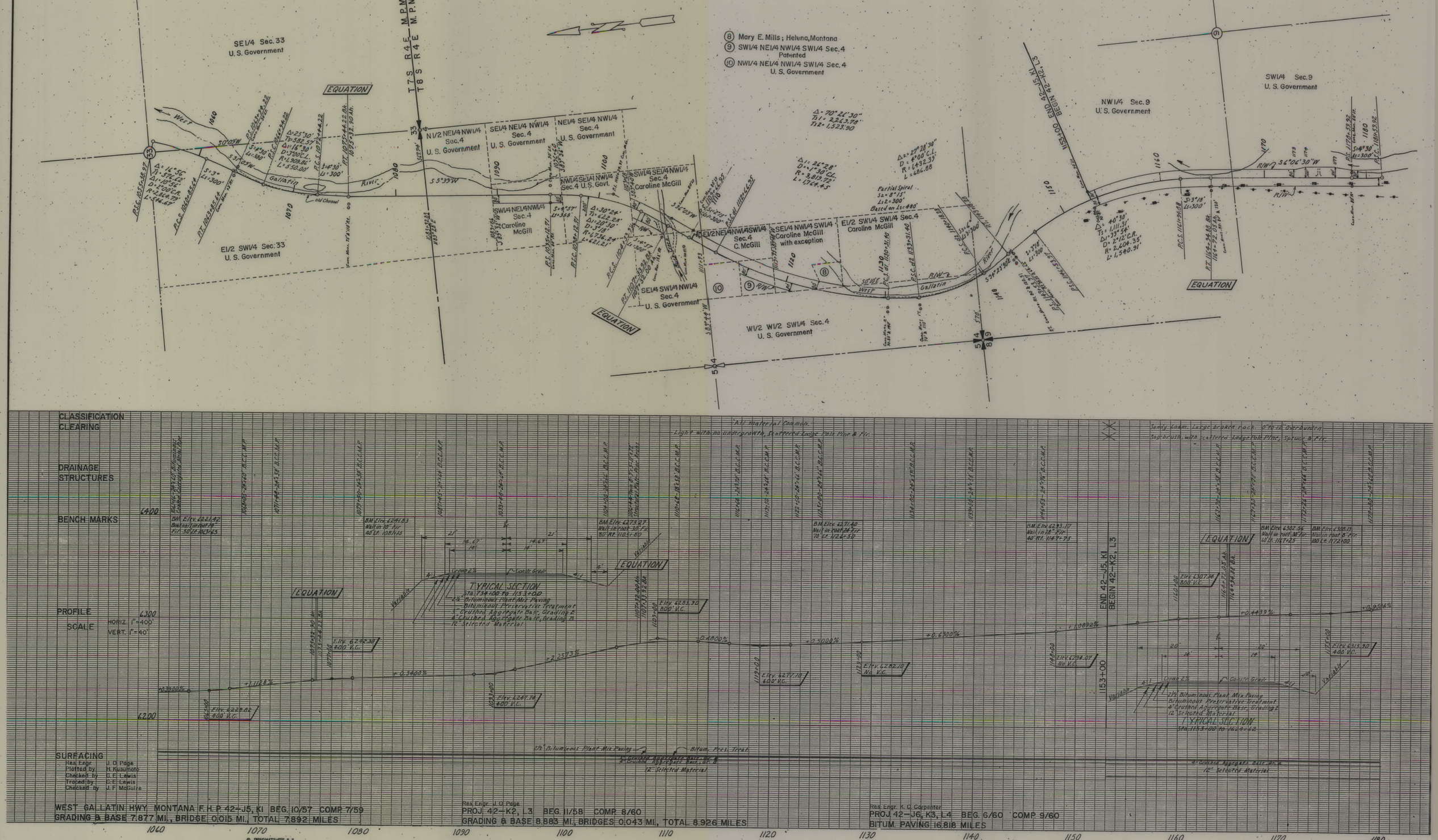
SURFACING
2½" Bituminous Plant Mix Paving
Bitum. Pres. Treat.
2" Crushed Aggregate Base, Grading D
2" Crushed Aggregate Base, Grading E
12" Selected Material

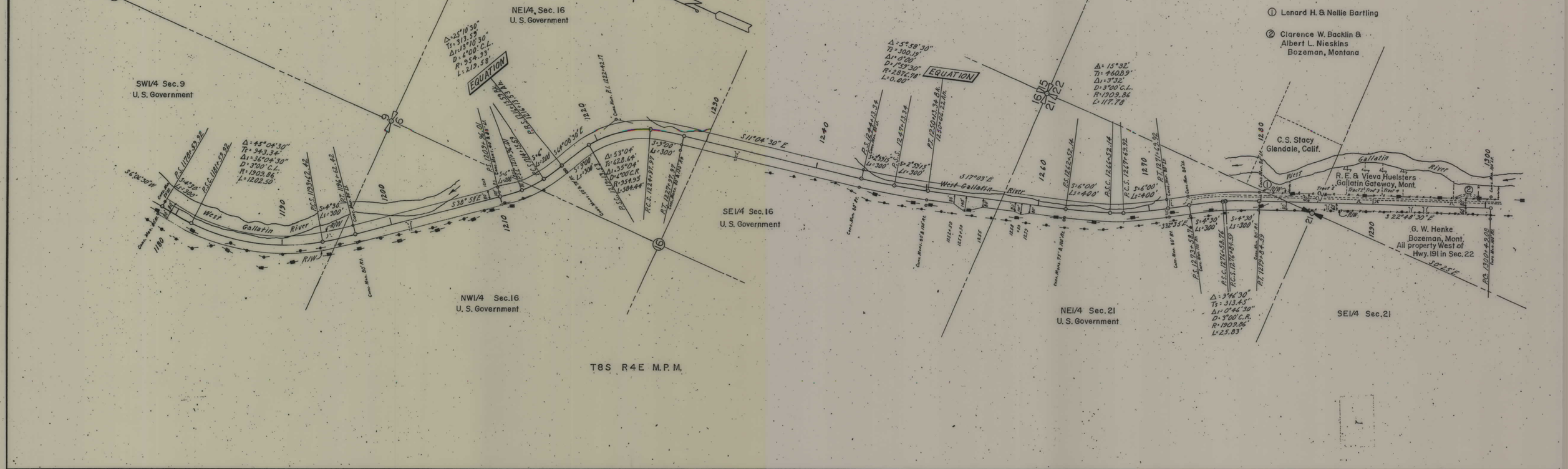
Res. Engr. J.O. Page
Plotted by H.Kusunoki
Checked by C.E. Lewis
Traced by D.E. Lewis
Checked by J.F. McGuire

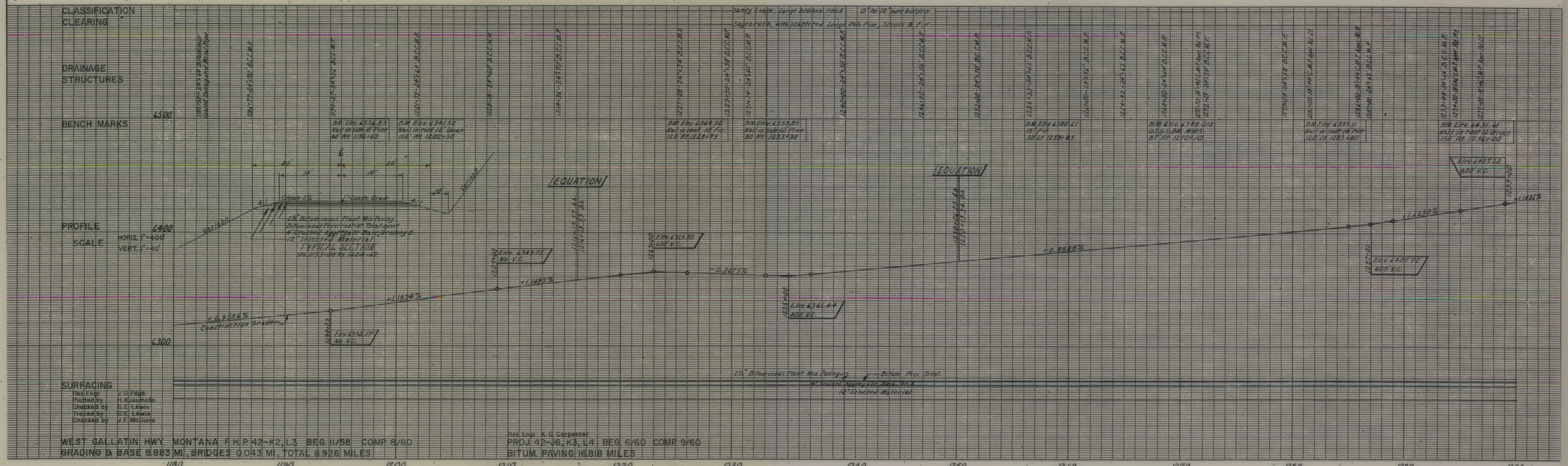
WEST GALLATIN HWY. MONTANA F.H.P. 42-J5, K1 BEG. 10/57 COMP. 7/59
GRADING & BASE 7.877 MI., BRIDGE 0.015 MI., TOTAL 7.892 MILES

Res. Engr. K.C. Carpenter
PROJ. 42-J6, K3, L4 BEG. 6/60 COMP. 9/60
BITUM. PAVING 16.818 MILES

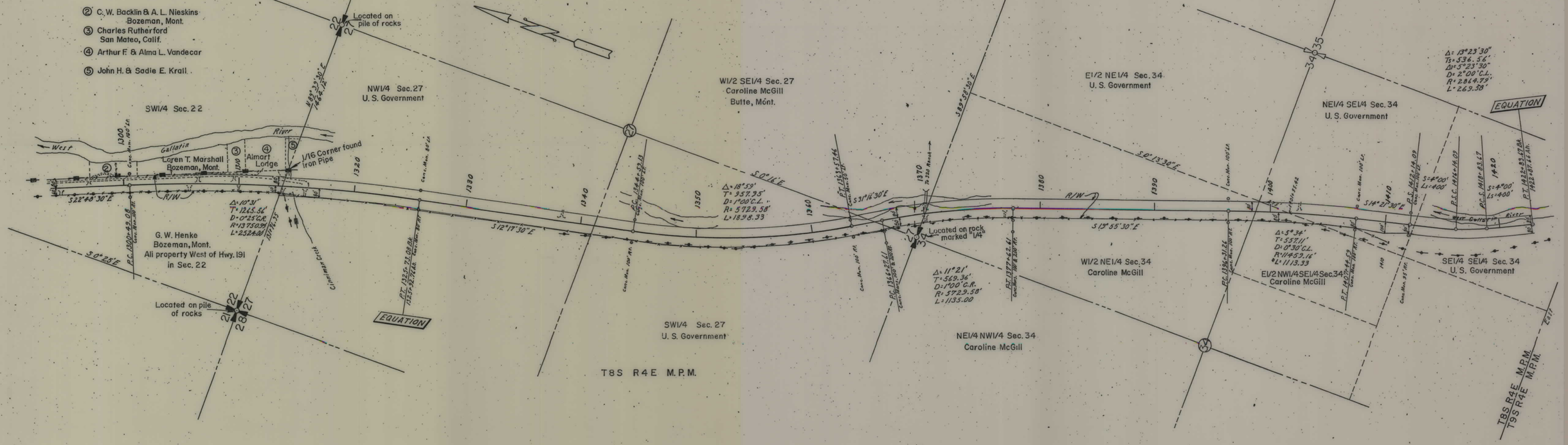
940 950 960 970 980 990 1000 1010 1020 1030 1040 1050 1060

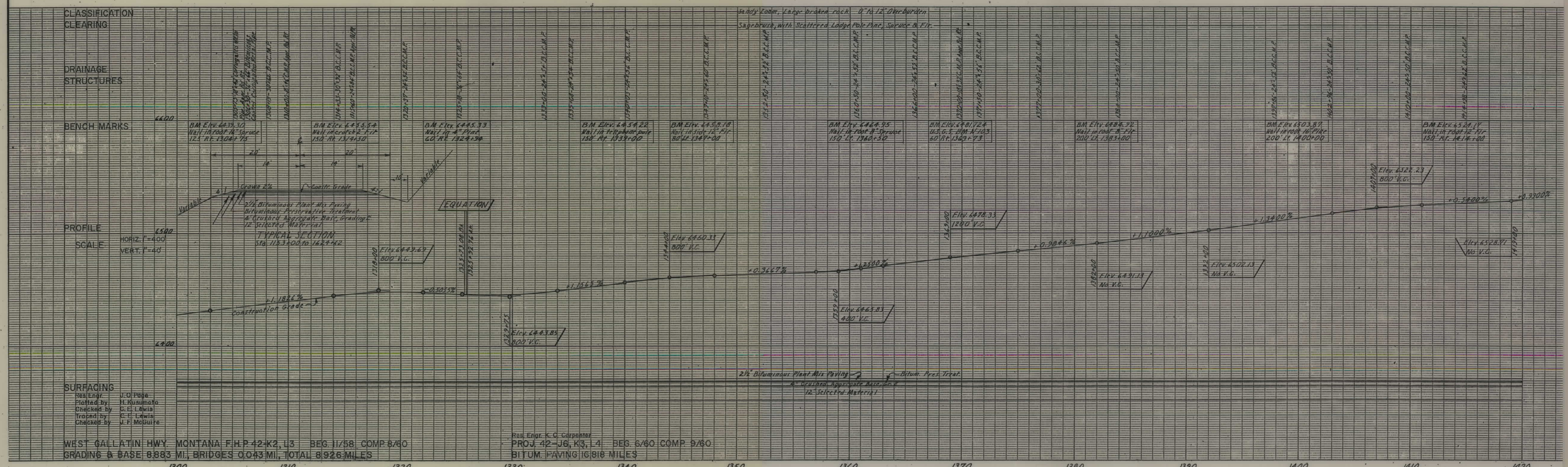

SE1/4 Sec. 33
U. S. Government
EQUATION
T7S R4E M.P.M.
T8S R4E M.P.M.
N1/2 NE1/4 NW1/4 Sec. 4 U. S. Government
SE1/4 NE1/4 NW1/4 Sec. 4 U. S. Government
NE1/4 SE1/4 NW1/4 Sec. 4 U. S. Government
NW1/4 SE1/4 NW1/4 Sec. 4 U. S. Govt.
SW1/4 SE1/4 NW1/4 Sec. 4 Caroline McGill
SW1/4 NE1/4 NW1/4 Sec. 4 Caroline McGill
E1/2 NE1/4 NW1/4 SW1/4 Sec. 4 C. McGill
SE1/4 NW1/4 SW1/4 Caroline McGill with exception
E1/2 SW1/4 SW1/4 Sec. 4 Caroline McGill
SE1/4 SW1/4 NW1/4 Sec. 4 U. S. Government
W1/2 W1/2 SW1/4 Sec. 4 U. S. Government
E1/2 SW1/4 Sec. 33 U. S. Government
⑧ Mary E. Mills ; Helena, Montana
⑨ SW1/4 NE1/4 NW1/4 SW1/4 Sec. 4 Patented
⑩ NW1/4 NE1/4 NW1/4 SW1/4 Sec. 4 U. S. Government
NW1/4 Sec. 9 U. S. Government
SW1/4 Sec. 9 U. S. Government
Gallatin River
West
Old Channel
Partial Spiral Sz = 8°15' Lz = 300' Based on Ls = 480'
END 42-J5, K1 BEGIN 42-K2, L3
CLASSIFICATION
CLEARING
DRAINAGE STRUCTURES
BENCH MARKS
PROFILE
SCALE HORIZ. 1" = 400' VERT. 1" = 40'
TYPICAL SECTION
SURFACING
Res. Engr. J. O. Page
Plotted by H. Kusumoto
Checked by D. E. Lewis
Traced by D. E. Lewis
Checked by J. F. McGuire
WEST GALLATIN HWY. MONTANA F.H.P. 42-J5, K1 BEG. 10/57 COMP. 7/59
GRADING & BASE 7.877 MI., BRIDGE 0.015 MI., TOTAL 7.892 MILES
Res. Engr. J. O. Page
PROJ. 42-K2, L3 BEG. 11/58 COMP. 8/60
GRADING & BASE 8.883 MI., BRIDGES 0.043 MI., TOTAL 8.926 MILES
Res. Engr. K. C. Carpenter
PROJ. 42-J6, K3, L4 BEG. 6/60 COMP. 9/60
BITUM. PAVING 16.818 MILES

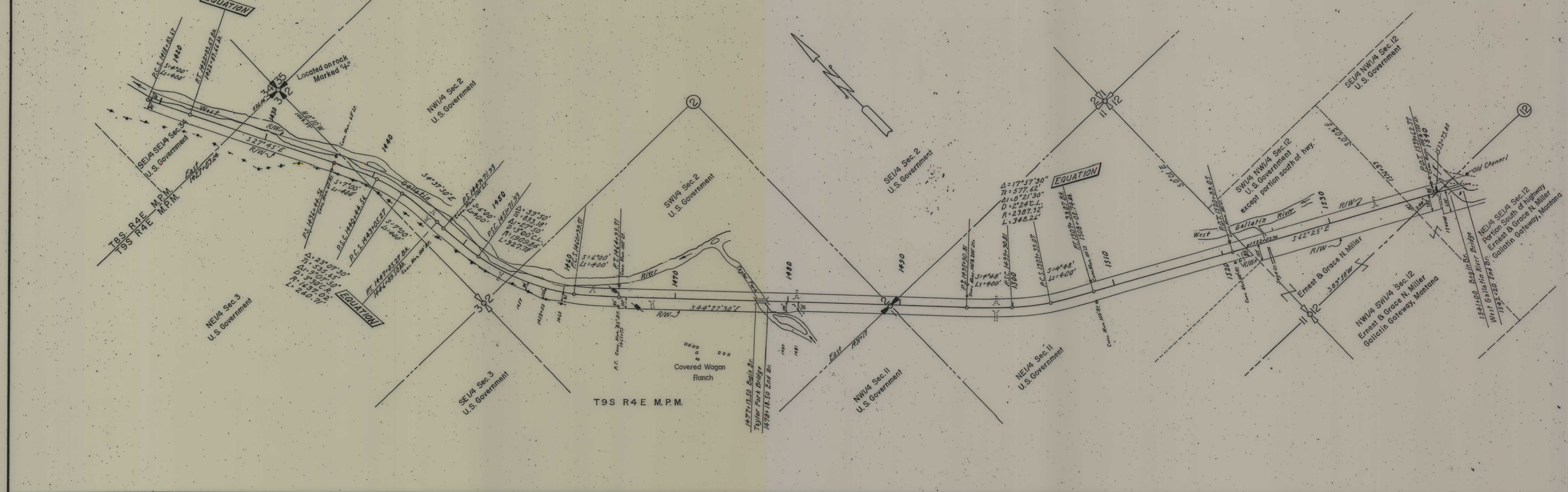

NE1/4, Sec. 16
U. S. Government
SW1/4 Sec. 9
U. S. Government
EQUATION
West Gallatin River
R/W
SE1/4 Sec. 16
U. S. Government
NW1/4 Sec. 16
U. S. Government
NE1/4 Sec. 21
U. S. Government
SE1/4 Sec. 21
① Lenard H. & Nellie Bartling
② Clarence W. Backlin & Albert L. Nieskins Bozeman, Montana
C.S. Stacy Glendale, Calif.
R. E. & Vieva Huelsters Gallatin Gateway, Mont.
G. W. Henke Bozeman, Mont. All property West of Hwy. 191 in Sec. 22
T8S R4E M.P.M.

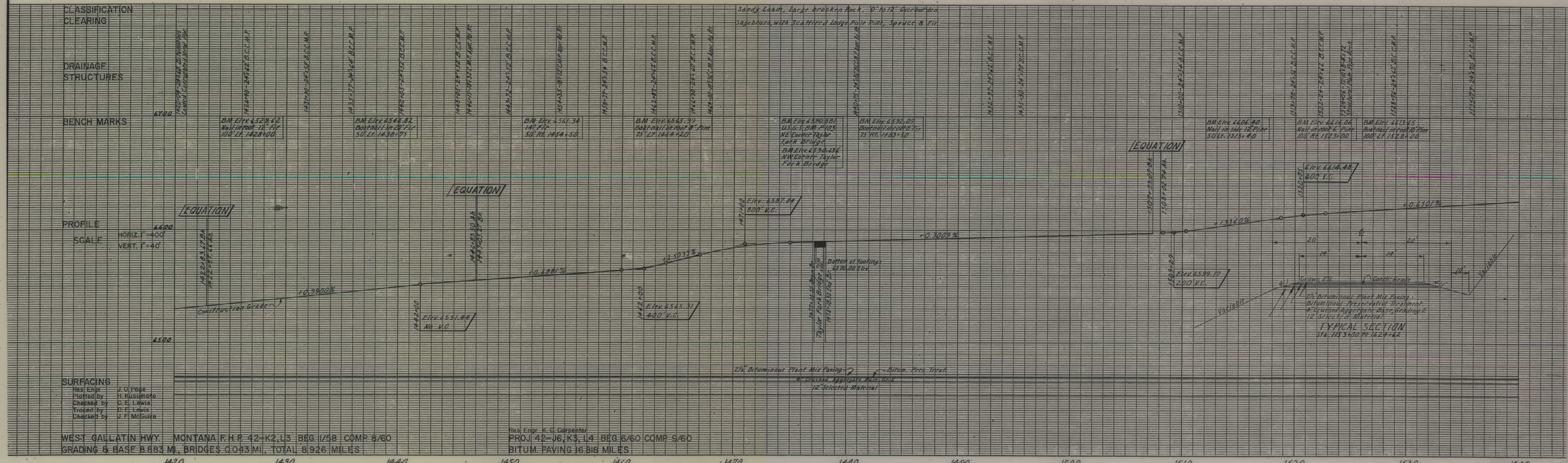

CLASSIFICATION
CLEARING
DRAINAGE STRUCTURES
BENCH MARKS
PROFILE
SCALE HORIZ. 1"=400' VERT. 1"=40'
EQUATION
Constr. Grade
Grade
2½" Bituminous Plant Mix Paving
Bituminous Prec. Treat.
Crushed Aggregate Base
12" Selected Material
TYPICAL SECTION
Constr. Grade
SURFACING
Res. Engr. J.O. Page
Plotted by H. Kuaumoto
Checked by C.E. Lewis
Traced by C.E. Lewis
Checked by J.F. McGuire
Res. Engr. K.O. Carpenter
WEST GALLATIN HWY. MONTANA F.H.P. 42-K2, L3 BEG. 11/58 COMP. 8/60
GRADING & BASE 6.883 MI., BRIDGES 0.043 MI., TOTAL 6.926 MILES
PROJ. 42-J6, K3, L4 BEG. 6/60 COMP. 9/60
BITUM. PAVING 16.818 MILES
1180
1190
1200
1210
1220
1230
1240
1250
1260
1270
1280
1290
1300

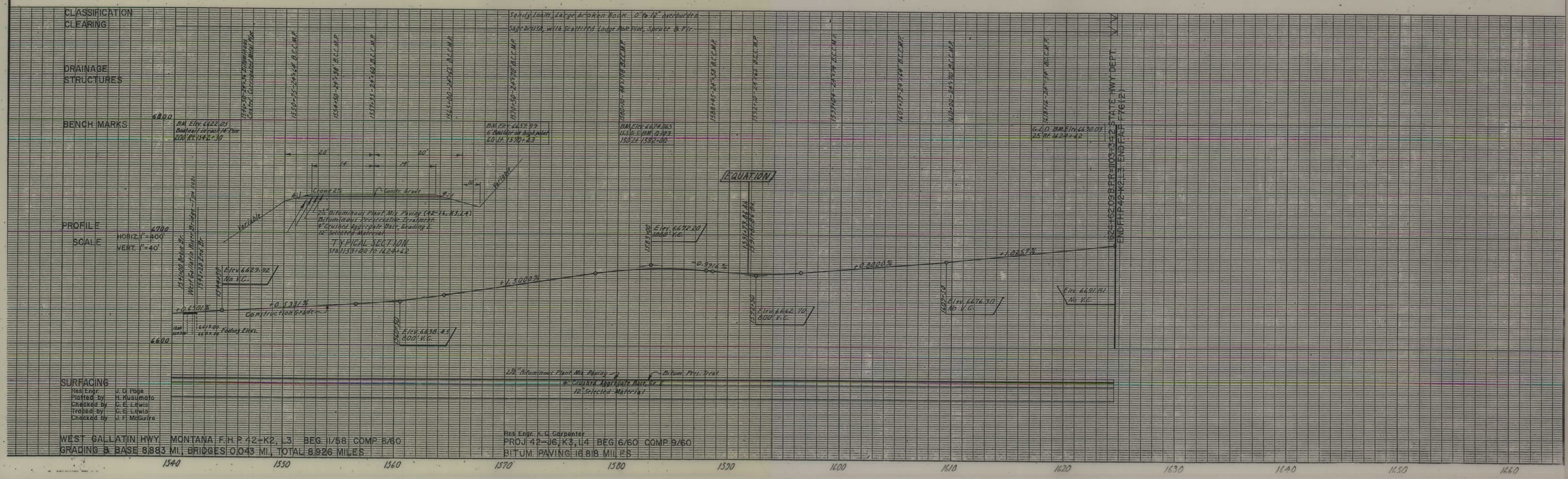
FHP 42-J5, K1 & 42-K2, L3; 42-J6, K3, L






T8S R4E M.P.M.
T9S R4E M.P.M.
EQUATION
Located on rock Marked "L"
NW1/4 Sec 2 U.S. Government
SE1/4 SE1/4 Sec. 34 U.S. Government
NE1/4 Sec 3 U.S. Government
SE1/4 Sec. 3 U.S. Government
SW1/4 Sec. 2 U.S. Government
SE1/4 Sec. 2 U.S. Government
NW1/4 Sec. 11 U.S. Government
NE1/4 Sec. 11 U.S. Government
SE1/4 NW1/4 Sec. 12 U.S. Government
SW1/4 NW1/4 Sec. 12 U.S. Government except portion south of hwy.
NW1/4 SW1/4 Sec. 12 Ernest & Grace N. Miller Gallatin Gateway, Montana
NE1/4 SE1/4 Sec. 12 Portion South of Highway Ernest & Grace N. Miller Gallatin Gateway, Montana
Covered Wagon Ranch
T9S R4E M.P.M.
Taylor Fork Bridge
Gallatin River
West
East
Old Channel


CLASSIFICATION
CLEARING
DRAINAGE STRUCTURES
BENCH MARKS
PROFILE
SCALE HORIZ. 1"=400'
VERT. 1"=40'
EQUATION
Construction Grade
Elev. 6587.84 800' V.C.
Elev. 6551.44 No V.C.
Elev. 6545.31 400' V.C.
Elev. 6614.48 400' V.C.
Elev. 6599.77 200' V.C.
Bottom of Footing 6570.00 Elev.
Taylor Fork Bridge
Sandy Loam, large broken rock - 0" to 12" overburden
Sagebrush, with scattered lodge pole pine, spruce & fir
SURFACING
2½ Bituminous Plant Mix Paving
Bituminous Prev. Treat.
8" Coarse Aggregate Base Course
12" Selected Material
TYPICAL SECTION
Sta. 1135+00 to 1622+62
Grade 2%
Centerline
Variable
Resi. Engr. J. O. Page
Plotted by H. Kusumoto
Checked by C. E. Lewis
Traced by C. E. Lewis
Checked by L. F. McGuire
Resi. Engr. K. C. Carpenter
WEST GALLATIN HWY. MONTANA F.H.P. 42-K2, L3 BEG. 1/58 COMP. 8/60
GRADING & BASE 8.883 MI., BRIDGES 0.043 MI., TOTAL 8.926 MILES
PROJ. 42-J6, K3, L4 BEG. 6/60 COMP. 9/60
BITUM. PAVING 16.818 MILES
1420 1430 1440 1450 1460 1470 1480 1490 1500 1510 1520 1530 1540


CLASSIFICATION
CLEARING
DRAINAGE STRUCTURES
BENCH MARKS
PROFILE
SCALE HORIZ. 1"=400' VERT. 1"=40'
SURFACING
Res. Engr. J. O. Roga
Plotted by H. Kusumoto
Checked by C. E. Lewis
Traced by C. E. Lewis
Checked by J. F. McGuire
EQUATION
TYPICAL SECTION
Construction Grade
WEST GALLATIN HWY. MONTANA F.H.P. 42-K2, L3 BEG. 1/58 COMP. 8/60
GRADING & BASE 8.883 MI. BRIDGES 0.043 MI. TOTAL 8.926 MILES
Res. Engr. K. G. Carpenter
PROJ. 42-J6, K3, L4 BEG. 6/60 COMP. 9/60
BITUM. PAVING 16.818 MILES
1540
1550
1560
1570
1580
1590
1600
1610
1620
1630
1640
1650
1660