PLANS

NOT

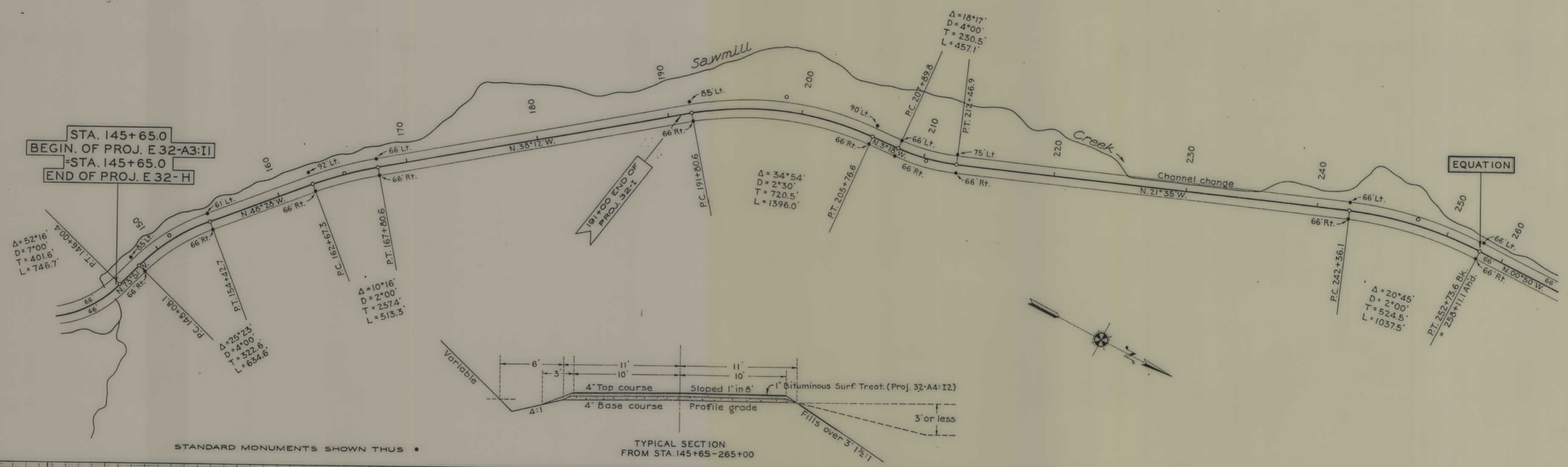
TO

SCALE

Y.G.B. LINE
E 32-A3:II
MONT.
12'

SHEET 32 1
TOTAL SHEETS 3

LEWIS AND CLARK NATIONAL FOREST



CLASSIFICATION CLEARING

Common - Lg. boulders | Heavy slide rock - Boulders and shale | Small lodgepole pines - Dense growth | Ledge rock, mostly shale | Common - Small amount of ledge rock at sta. 221 | Medium heavy growth pine | Scattered Pine

DRAINAGE STRUCTURES

156+05 - 18"x40' Corr. metal culvert
163+35 - 18"x52' Corr. metal culvert
174+75 - 18"x52' Corr. metal culvert
177+62 - 18"x50' Corr. metal culvert
205+00 - 18"x36' Corr. metal culvert
219+16 - 18"x40' Corr. metal culvert
222+61 - 24"x52' Corr. metal culvert
229+55 - 18"x38' Corr. metal culvert
238+65 - 18"x38' Corr. metal culvert
251+60 - 18"x38' Corr. metal culvert

BENCH MARKS

DATUM: U.S.C.&G. + 7.10'

Std. mon. at sta. 162+67.3 Rt. 6571.59
Std. mon. at sta. 191+80.6 Rt. 6395.42
Std. mon. at sta. 205+76.0 Lt. 6258.69
Std. mon. at sta. 242+36.1 Lt. 6135.29
Std. mon. at sta. 252+75.6 Lt. 6096.92

PROFILE

SCALE: Hor. 1" = 400'
Ver. 1" = 40'

STA. 145+65.0 BEGINNING OF PROJECT
6655.74
-6.00%
-6.00%
-6.00%
-3.98%
-2.36%
-4.34%
6218.64 400' V.C.
6131.87 500' V.C.
6164.91 800' V.C.
6100.95 400' V.C.
EQUATION

Guard rail shown: Orig. wood-type 2. (32-II); Wood-type 10 (32-A4:I2)
Guide posts shown: (32-A4:I2)

GUARD RAIL

LEFT / RIGHT — Wooden Type 2
25' ctrs. | 50' ctrs. | 30' ctrs. | 25' ctrs.
Guard rail and guide posts placed under proj. 32-A4:I2

SURFACING

1" Bituminous surface treatment placed under project 32-A4:I2
Crushed rock surfacing 4" base course 4" top course

RESIDENT ENGINEER L.E. DODSON
PLOTTED BY DODSON
CHECKED BY
TRACED BY W.E. DUNSTAN
Y.G.B. LINE HIGHWAY PROJ. E32-A3:II. ROADWAY LG. 6.1592 MI., BRIDGE LG. 0.0190 MI., TOTAL LG. 6.1782 MI.

GRADING COMPLETED 11-34
SURFACING COMPLETED 11-34
BIT. SUR. TREAT. & GD. RL. COMP. 10-37

BITUMINOUS SURFACE TREATMENT:
Bituminous Mat'l. { MC2 Grade liquid asphalt in prime coat; RC3 " " " " seal "
Mineral Aggregate { Existing surfacing with ¼"-½" stone chips added.

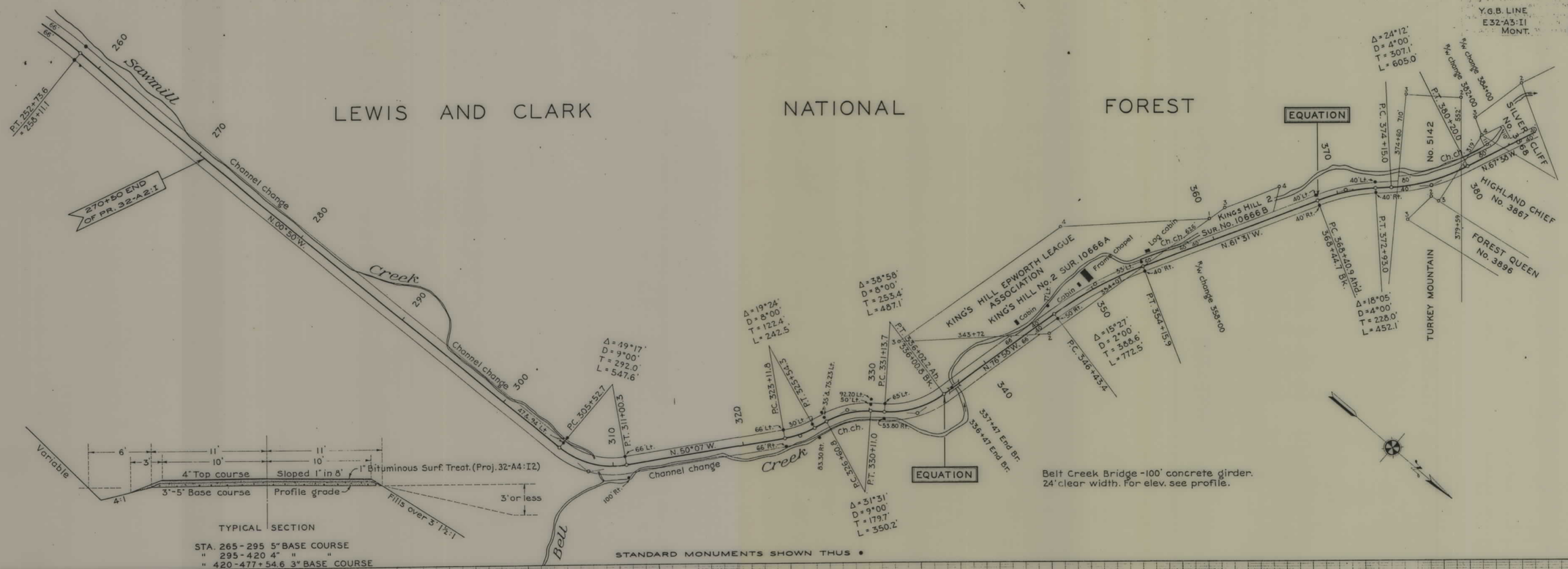
140 150 160 170 180 190 200 210 220 230 240 250 260

E 32-A3-II SHT 1 OF 3

Y.G.B. LINE
E32-A3:11
MONT.

SHEET 32
SHEET 2
TOTAL SHEETS 3

LEWIS AND CLARK NATIONAL FOREST



CLASSIFICATION
CLEARING

Heavy gravel and boulders — Large rock - Heavy slide rock in channel changes — Large slide rock and boulders

Sparse growth pine and brush along creek bottom - Scattered thickets and lodgepole pine on North slopes

DRAINAGE STRUCTURES

237+36 - 18"x50' Corr. metal culvert
300+59 - 18"x36' Corr. metal culvert
307+79.5 ft. Double 6'x6'x43' R.C. Box Cul.
318+59 - 18"x26' Corr. metal culvert
324+70 - 30"x42' Corr. metal culvert
336+47 - 337+47 Concrete girder br. 3 spans, 2-50 & 1-40 ft. 30° Skew.
351+22 - 18"x50' Corr. metal culvert

BENCH MARKS
DATUM: U.S.C.&G. + 7.10'

B.M. 5973.30 On 15" pine 80' rt. sta. 295+00
Std. mon. at sta. 305+52.7 Lt. 5953.59
Std. mon. at sta. 311+00.3 Lt. Rt. 5944.74
Std. mon. at sta. 323+11.8 Lt. Rt. 5919.54
Std. mon. at sta. 354+15.9 Lt. 5839.47
Std. mons. at sta. 372+93.0 Lt. 5802.62 Rt. 5813.78
Std. mons. at sta. 368+44.7 Bk. Lt. 5811.50 Rt. 5812.83
B.M. 6084.21 On 8" pine 30' rt. sta. 263+25
B.M. 6038.87 On 10" pine 40' rt. sta. 276+50
B.M. 5898.89 Plate on ℄ bridge deck at sta. 336+51.1
Std. mon. at sta. 346+43.4 Lt. 5863.29

ELEVATIONS BASE OF FOOTINGS	Upstr.	Ctr.	Dnstr.
Bent No. 1	5873.0		5873.0
Pier No. 1	70.20	70.23	69.96
Pier No. 2	70.43	70.16	70.10
Bent No. 2	73.0		72.70

Note: All footings of bents 1 & 2 are 2.19' thick. Elevat. of top of footings of piers is 5875.00

PROFILE
SCALE: HOR. 1" = 400'
VER. 1" = 40'

6094.68 No V.C.
6059.88 No V.C.
6015.33 400' V.C.
5969.80 400' V.C.
5920.10 400' V.C.
5905.09 500' V.C.
5858.71 400' V.C.
5814.56 400' V.C.
-3.48 %
-3.30 %
-2.82 %
-2.00 %
-1.58 %
-3.21 %
-2.8735 %
-1.70 %
6100
6000
5900
5800
EQUATION

GUARD RAIL
Guard rail and guide posts placed under proj. 32-A4:I2
30' ctrs.
50' ctrs.

SURFACING
Crushed rock surfacing 4" Top course 4" & 5" Base course as shown
1" Bituminous surface treatment placed under project 32-A4:I2
BITUMINOUS SURFACE TREATMENT
Bituminous Matl. (MC 2 Grade liquid asphalt in prime coat. RC 3 " " " " seal
Mineral Aggregate (Existing surfacing with ¼"-½" stone chips added.

RESIDENT ENGINEER L. E. DODSON
PLOTTED BY DODSON
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GRADING COMPLETED 11-34
SURFACING COMPLETED 11-34
BIT. SUR. TREAT. & GD. RL. COMP. 10-37
Y.G.B. LINE HIGHWAY PROJ. E32-A3:11. ROADWAY LG. 6.1592 MI., BRIDGE LG. 0.0190 MI., TOTAL LG. 6.1782 MI.

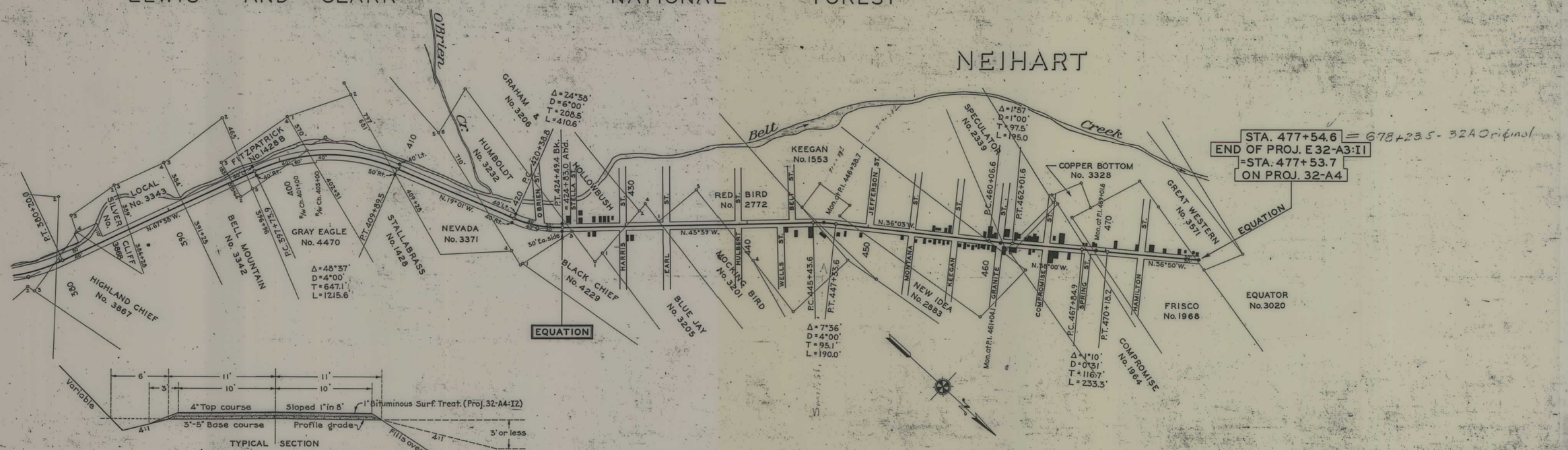
260 270 280 290 300 310 320 330 340 350 360 370 380

E 32-A3-11 SHT 2 OF 3

Y.G.B. LINE NATIONAL FOREST ROAD E32-A3:II STATE: MONT. WIDTH: 12' | PROJECT No. 32 SHEET No. 3 TOTAL SHEETS: 3

LEWIS AND CLARK NATIONAL FOREST

NEIHART



E 32-A3:II