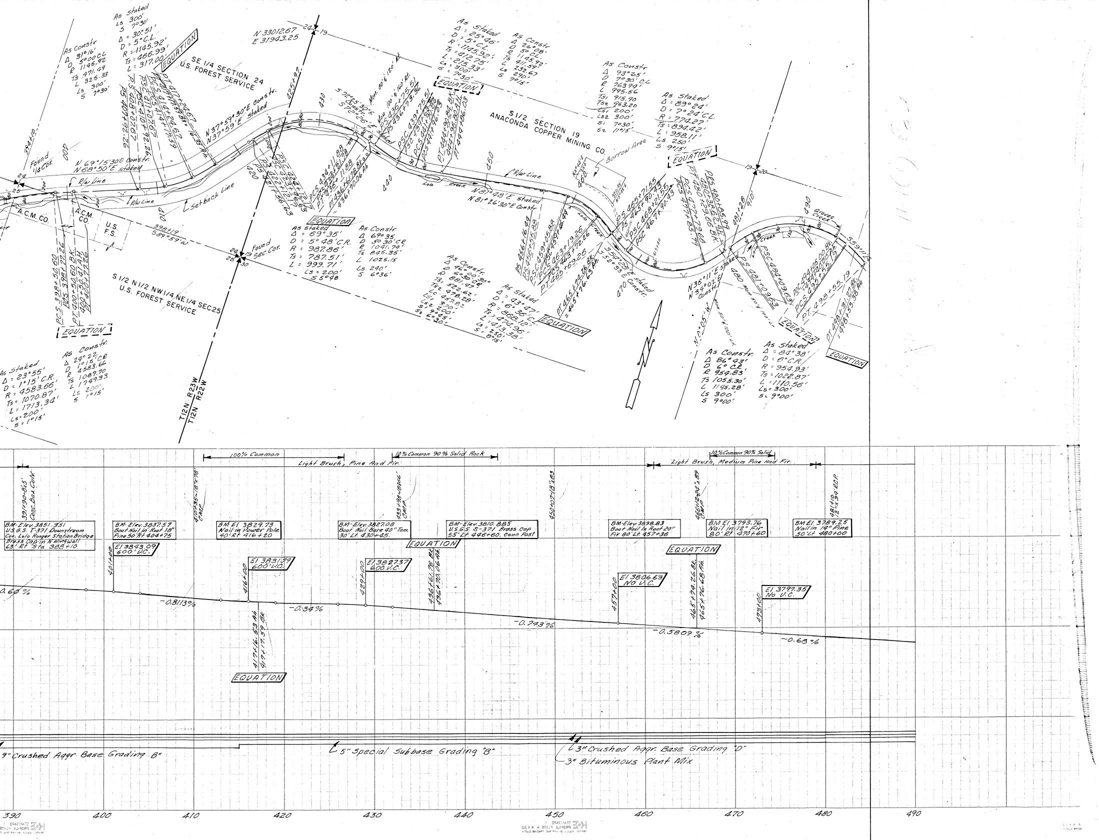
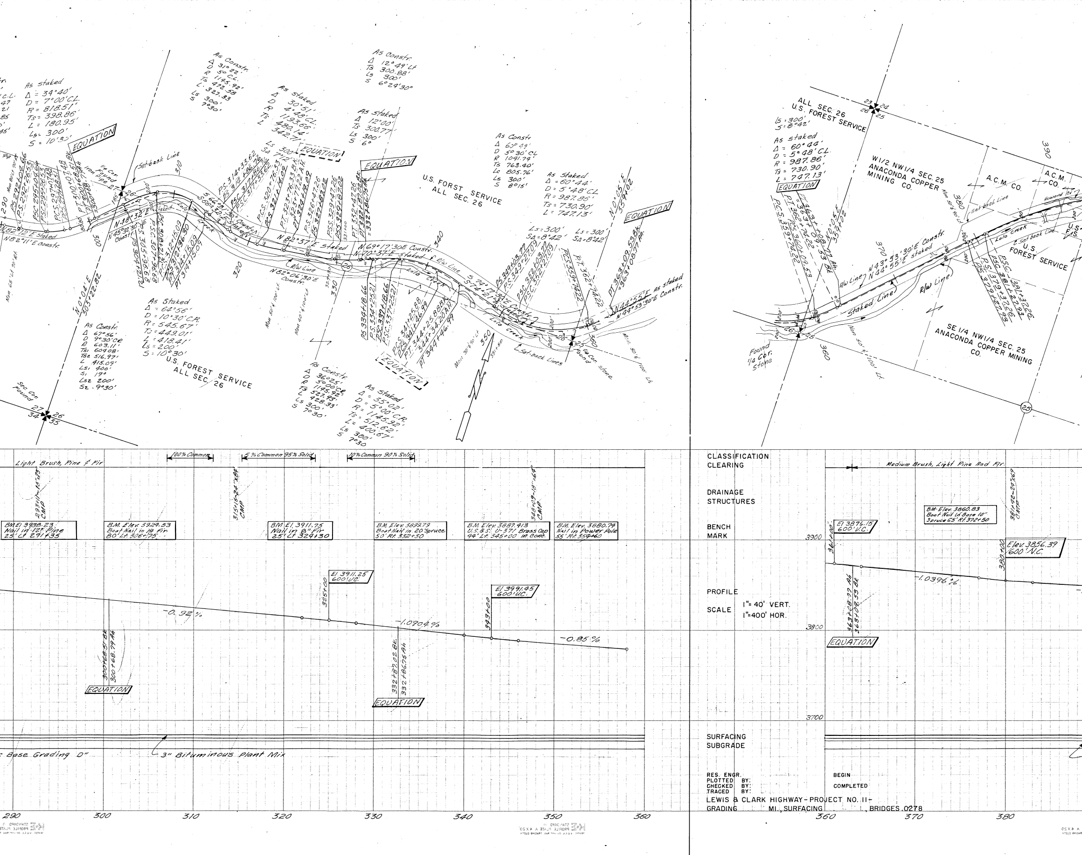

As Constr
Δ 31°16'
D 5°00' C.L.
R 1145.92
Ts 471.49
L 325.33
Ls 300'
S 7°30'
As Staked
Ls 300'
S 7°30'
Δ = 30°51'
D = 5° C.L.
R = 1145.92'
Ts = 466.99'
L = 317.00'
EQUATION
PT 417+24.67
PT 417+17.59 Bk = 16.35 Ah.
PCS 414+24.67
PCS 414+17.59
PSC 411+07.67
PSC 410+92.26
PS 408+07.67
PS 407+92.26
SE 1/4 SECTION 24
U.S. FOREST SERVICE
N 33012.67
E 31943.25
24 19
425+97
N 37°59'30"E Constr.
N 37°59'E Staked
394+10
Found 1/4 Cor.
400
N 69°15'30"E Constr.
N 68°50'E staked
R/w Line
R/w Line
Setback Line
410
420
430
24 25
A.C.M. CO.
A.C.M. CO.
U.S. F.S.
398+19
S 89°59'W
Found Sec. Cor.
24 19 25 30
PCS 398+50.60
PCS 398+77.26
PT 400+50.60 BK.
400+50.41 AH.
PT 400+77.26
EQUATION
S 1/2 N 1/2 NW 1/4 NE 1/4 SEC. 25
U.S. FOREST SERVICE
As Staked
Δ = 23°55'
D = 1°15' C.R.
R = 4583.66'
Ts = 1070.87'
L = 1713.34'
Ls = 200'
S = 1°15'
As Constr.
Δ 24°22'
D 1°15' C.R.
R 4583.66
Ts 1089.70
L 1749.33
Ls 200'
S 1°15'
T12N R23W
T12N R22W
PSC 424+12.17
PSC 423+96.63
PS 422+12.17
PS 421+56.63
S 72°25'30"E Constr.
S 72°26'E Staked
Mon. 80' & 120' Rt.
Mon. 100' & 160' Rt.
PCS 434+11.88
PCS 434+21.78
PT 436+11.88
PT 436+61.78 Bk.
= 436+70.06 Ah
PS 436+75.51
PS 436+73.36
EQUATION
As Staked
Δ = 69°35'
D = 5°48' C.R.
R = 987.86'
Ts = 787.51'
L = 999.71'
Ls = 200'
S 5°48
As Constr
Δ 69°35
D 5°30' C.R.
R 1041.74'
Ts 845.35'
L 1025.15
Ls 240'
S 6°36'
440
PSC 439+75.51
PSC 439+63
PCS 441+90.84
PCS 441+96.03
PT 444+90.84 BK.
= 444+96.80 AH.
PT 444+86.03
EQUATION
As Staked
Δ = 25°46'
D = 5° C.L.
R = 1145.92'
Ts = 412.75'
L = 215.33'
Ls = 300'
S = 7°30'
As Constr
Δ 26°08'
D 5° C.L.
R 1145.92'
Ts 411.59'
L 232.67
Ls 290'
S 7°15'
S 1/2 SECTION 19
ANACONDA COPPER MINING CO.
450
R/w Line
Lolo Creek
N 81°48'E Staked
N 81°26'30"E Constr
Borrow Area
460
N 5°48'E
250'
320.45'
N 5°48'E
PS 456+16.44
PS 456+55.88
PSC 459+05.88
PSC 459+16.44
PCS 463+19.26
PCS 463+72.26
PT 465+69.26
PT 465+74.26 BK.
= 465+76.63 Ah.
EQUATION
As Constr.
Δ 46°00'30"
D 6°30' C.R.
R 881.47'
Ts1 522.62'
Ts2 478.28'
Lc 457.82
Ls1 300'
Ls2 200'
S1 9°45'
S2 6°30'
As Staked
Δ = 43°47'
D = 6°36' C.
R = 868.12'
Ts = 474.96'
L = 413.38'
Ls = 250'
S = 8°15'
S 54°25'E staked
S 52°33'E Constr.
470
As Constr
Δ 93°25'
D 7°30' C.L.
R 763.94'
L 995.56
Ts1 915.90
Ts2 963.20
Ls1 200'
Ls2 300'
S1 7°30'
S2 11°15'
As Staked
Δ = 89°24'
D = 7°24' C.L.
R = 774.27'
Ts = 894.42'
L = 958.11'
Ls 250'
S 9°15'
EQUATION
PS 465+71.55
PS 465+90.43
PSC 468+21.55
PSC 467+90.43
PCS 477+79.66
PCS 477+85.99
PT 480+29.66 BK.
480+38.62 AH.
PCS 480+85.99
19 20
481+28
910'
480
N 36°11'E Staked
N 34°02'E Constr.
N 0°05'W
Mon 50' & 100' Lt.
Mon 50' & 100' Lt.
PS 481+09.63
PSC 484+09.63
EQUATION
Lolo Creek
490
Graves Creek
PDC 494+05.00 Bk
= 494+00.00 Ah.
PCS 495+55.19
PT 498+55.19
PT 498+31.27 Bk.
= 498+53.38 Ah
S 59°11'E
EQUATION
As Constr.
Δ 86°43'
D 6° C.R.
R 954.83'
Ts 1055.30'
L 1145.28'
Ls 300'
S 9°00'
As Staked
Δ = 84°38'
D = 6° C.R.
R = 954.93'
Ts = 1022.87'
L = 1110.56'
Ls = 300'
S = 9°00'
100% Common
Light Brush, Pine And Fir.
10% Common 90% Solid Rock
Light Brush, Medium Pine And Fir.
10% Common 90% Solid
391+90-8x5' Conc. Box Culv.
410+35-18"x78' CMP
433+98-18"x66' CMP
450+07-18"x83'
466+12-24"x89' CMP
481+10 12"x34' R.C.P.
BM-Elev. 3851.351
U.S.G.S. T-371 Downstream
Cor. Lolo Ranger Station Bridge
Brass Cap in N Wingwall
63' Rt Sta 388+10
BM-Elev. 3837.57
Boot Nail In Root 18"
Pine 50' Rt. 404+75
BM El 3829.73
Nail in Power Pole
40' Rt 416+20
BM-Elev. 3827.08
Boot Nail Base 40" Tam.
30' Lt. 430+45.
BM-Elev. 3810.885
U.S.G.S. S-371 Brass Cap
55' Lt. 446+60. Conc Post
BM-Elev. 3898.83
Boot Nail In Root 20"
Fir 80' Lt. 457+36
BM El 3793.76
Nail in 12" Fir
80' Rt 470+60
BM El 3789.25
Nail in 14" Pine
50' Lt 480+00
401+00
El 3843.09
600' V.C.
416+00
El 3831.79
600' V.C.
429+00
El 3827.37
600 V.C.
457+00
El 3806.63
No V.C.
473+00
El 3797.35
No V.C.
EQUATION
417+16.53 Ah
417+17.59 Bk
EQUATION
436+61.78 Bk
436+70.06 Ah.
EQUATION
465+74.26 Bk.
465+76.68 Ah.
0.60%
-0.8113%
-0.34%
-0.743%
-0.5809%
-0.68%
9" Crushed Aggr. Base Grading "B"
5" Special Subbase Grading "B"
3" Crushed Aggr. Base Grading "D"
3" Bituminous Plant Mix
390
400
410
420
430
440
450
460
470
480
490


As staked
Δ = 34°40'
D = 7°00' C.L.
R = 818.51'
Ts = 398.86'
L = 180.95'
Ls = 300'
S = 10°30'
EQUATION
As Constr.
Δ 31°22'
D 5° C.L.
R 1145.92'
Ts 472.58
L 327.33
Ls 300'
S 7°30'
As staked
Δ 30°51'
D 4°48' C.L.
R 1193.66'
Ts 480.14'
L 342.71'
As Constr.
Δ 12°49' Lt
Ts 300.88'
Ls 300'
S 6°29'30"
As staked
Δ 12°00'
Ts 300.77'
Ls 300'
S 6°
EQUATION
EQUATION
As Constr
Δ 60°49'
D 5°30' CL
R 1041.79'
Ts 763.40'
Lc 805.76'
Ls 300'
S 8°15'
As Staked
Δ = 60°44'
D = 5°48' CL
R = 987.86'
Ts = 730.90'
L = 747.13'
U.S. FORST SERVICE
ALL SEC. 26
Set-back Line
1/4 Cor. Found Iron Pipe 27 26
N 48°32' E
N 45°22'30" E Constr.
N 82°12' E Staked
N 82°11' E Constr.
N 82°37' E Staked
N 69°17'30" E Constr.
N 70°37' E Staked
N 82°06'30" E Constr.
R/W Line
Lolo Creek
N 0°04' E
303+22.82
N 0°05' E
359+02
N 44°55' E As staked
N 44°53'30" E Constr.
PT 363+09.53 Bk
=363+08.77 Ah
P.T. 362+74.22
P.C.S. 359+74.22
Ls = 300'
SA = 8°42'
As Staked
Δ = 64°56'
D = 10°30' C.R.
R = 545.67'
Ts = 449.01'
L = 418.41'
Ls = 200'
S = 10°30'
U.S. FOREST SERVICE
ALL SEC. 26
As Constr.
Δ 67°56'
D 9°30' CR
R 603.11'
Ts1 609.08'
Ts2 516.97'
L 415.09'
Ls1 400'
S1 19°
Ls2 200'
S2 9°30'
Sec. Cor. Found 27 26 34 35
As Constr.
Δ 36°25'
D 5°00' CR
R 1145.92'
Ts 527.93'
L 428.33'
Ls 300'
S 7°30'
As Staked
Δ = 35°02'
D = 5°00' C.R.
R = 1145.92'
Ts = 512.62'
L = 400.67'
Ls 300'
S 7°30'
EQUATION
Set-back Lines
1/4 Cor. stone Found
Mon. 50' Lt 100' Lt.
290
300
310
320
330
340
350
360
ALL SEC. 26
U.S. FOREST SERVICE
Ls = 300'
S = 8°42'
As staked
Δ = 60°44'
D = 5°48' C.L.
R = 987.86'
Ts = 730.90'
L = 747.13'
EQUATION
P.T. 363+08.77 Ah.
= 363+09.53 Bk
P.T. 362+74.22
P.C.S. 360+09.53
P.C.S. 359+74.22
N 0°05' E
359+02
W1/2 NW1/4 SEC. 25
ANACONDA COPPER
MINING CO.
A.C.M. CO.
A.C.M. CO.
U.S. F.S.
U.S. FOREST SERVICE
N 43°53'30" E Constr.
N 44°55' E Staked
R/W Line
Staked Line
Lolo Creek
Set-back Line
P.S.C. 381+37.26
P.S.C. 381+27.93
P.S. 379+37.26
P.S. 379+27.93
SE 1/4 NW1/4 SEC. 25
ANACONDA COPPER MINING
CO.
Found 1/4 Cor. Stone
Mon. 50' Lt 100' Lt.
360
370
380
390
25

CLASSIFICATION
CLEARING

DRAINAGE
STRUCTURES

BENCH
MARK

PROFILE

SCALE 1" = 40' VERT.
1" = 400' HOR.

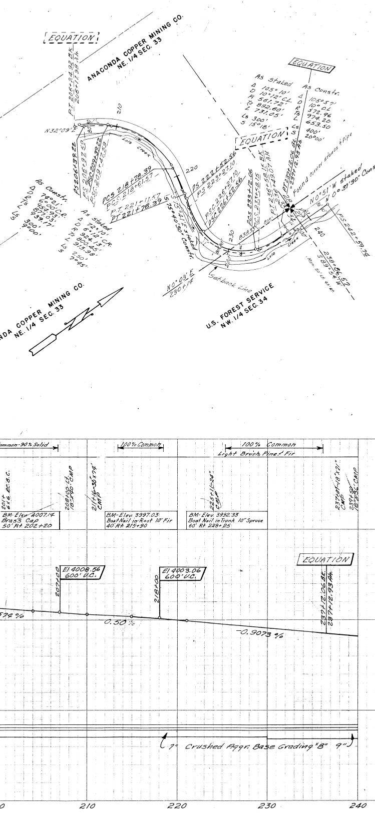
SURFACING
SUBGRADE

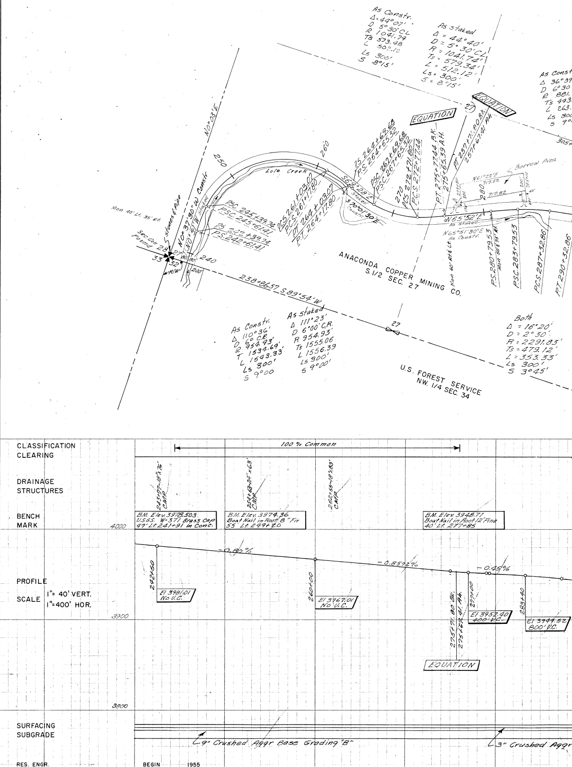
RES. ENGR.
PLOTTED BY:
CHECKED BY:
TRACED BY:

BEGIN
COMPLETED

LEWIS & CLARK HIGHWAY - PROJECT NO. 11-
GRADING MI., SURFACING , BRIDGES .0278

Light Brush, Pine & Fir
100% Common
5% Common 95% Solid
10% Common 90% Solid
293+11 - 18"x43' CMP
315+15 - 24"x84' CMP
348+09 - 18"x64' CMP
BM El. 3938.23 Nail in 12" Pine 25' Lt 291+35
B.M. Elev. 3924.53 Boat Nail in 19" Fir 80' Lt. 306+75
BM El. 3911.75 Nail in 8" Fir 25' Lt 329+30
B.M. Elev. 3889.79 Boat Nail in 20" Spruce 50' Rt. 332+30
B.M. Elev. 3887.413 U.S.G.S. U-371 Brass Cap 44' Lt. 345+00 in Conc.
B.M. Elev. 3880.74 Nail in Power Pole 55' Rt. 359+60
El 3911.25 600' V.C.
325+00
El 3991.45 600' V.C.
343+00
-0.92%
-1.0904%
-0.85%
300+68.51 Bk
300+68.79 Ah
EQUATION
332+87.02 Bk.
332+86.75 Ah
EQUATION
Base Grading 0"
3" Bituminous Plant Mix
Medium Brush, Light Pine And Fir
381+42 - 20"x69' CMP
BM Elev. 3860.83 Boat Nail in Base 10" Spruce 65' Rt. 372+50
El 3876.15 600' V.C.
361+00
Elev. 3856.39 600' V.C.
380+00
-1.0396%
363+08.77 Ah
363+09.53 Bk
EQUATION
3900
3800
3700
290
300
310
320
330
340
350
360
370
380


EQUATION
P.T. 206+24.92 B.K.
206+17.98 A.H.
ANACONDA COPPER MINING CO.
NE. 1/4 SEC. 33
EQUATION
As Staked
Δ 105°10'
D 10°12' C.L.
R 561.72'
Ts 892.60'
L 731.05'
Ls 300'
S 15°18'
As Constr.
Δ 105°57'
D 10° C.L.
R 572.96
Ts 974.20
L 653.50
Ls 400'
S 20°00'
EQUATION
210
N32°09'E
80'
Lolo Creek
PS 206+39.22
P.S. 206+97.59
PSC 209+39.22
P.S.C. 209+47.59
As Constr.
Δ 74°21'
D 6°00' C.R.
R 954.93'
Ts 877.03'
L 939.17'
Ls 300'
S 9°00'
As Staked
Δ 72°10'
D 6°12' C.R.
R 924.13'
Ts 800.45'
L 913.98'
Ls 250'
S 7°45'
PCS 218+78.39
P.C.S. 218+61.57
P.T. 221+11.57
PT 221+78.39
220
S 75°41'E staked
S 75°40'30" Constr.
PS 222+52.56
PS 223+27.10
P.S.C. 226+27.10
PSC 226+52.56
PCS 233+12.06
P.C.S. 233+58.15
P.T. 236+58.15 B.K.
236+49.07 A.H.
PT 237+12.06 B.K.
= 237+12.93 A.H.
Found corner stones & pipe
N 0°51'W staked
N 0°37'30" Constr.
230
838.33
80'
80'
200'
Lolo Creek
240
P.S. 242+59.74
238+86.57
S 89°54'W
Mon. 50' Lt. 40' Rt.
N 0°03'E
230+14
Set-back Line
U.S. FOREST SERVICE
NW. 1/4 SEC. 34
ANACONDA COPPER MINING CO.
NE. 1/4 SEC. 33
Common-90% Solid
100% Common
100% Common
Light Brush, Pine & Fir
201+ 6x6 RC.B.C.
208+00 Lt. 18"x70' CMP
211+16-30"x74' CMP
225+11-24" CMP
237+01-18"x71' CMP
239+50 18"x36' CMP
BM-Elev 4007.14
Brass Cap
50' Rt. 202+20
BM-Elev. 3997.03
Boat Nail in Root 10" Fir
40' Rt. 215+90
BM-Elev. 3992.33
Boat Nail in Trunk 10" Spruce
60' Rt. 228+25
207+00
El 4008.56
600' V.C.
218+00
El 4003.06
600' V.C.
EQUATION
237+12.06 Bk.
237+12.93 Ah.
574 %
0.50 %
-0.9073 %
7" Crushed Aggr. Base Grading "B" 9"
210
220
230
240

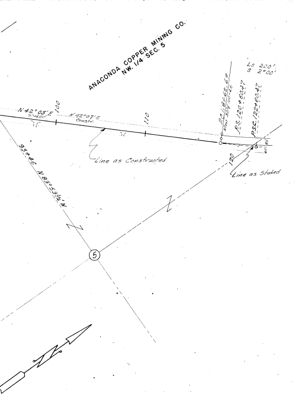

As Constr.
Δ = 44°07'
D 5°30' CL
R 1041.74
Ts 573.48
L 502.12
Ls 300'
S 8°15'
As staked
Δ = 44°40'
D = 5°30' C.L.
R = 1041.74'
Ts = 579.34'
L = 512.12'
Ls = 300'
S = 8°15'
As Constr.
Δ 36°39
D 6°30
R 881.
Ts 443.
L 263.
Ls 300
S 9°
EQUATION
27
EQUATION
PT 257+71.80 BK.
257+61.41 AH.
P.T. 275+77.44 B.K.
275+65.39 A.H.
N0°03'E
250
260
N0°37'30"W Constr
N0°51'W staked
Mon 40' Lt. 35' Rt.
Stones & Pipe
Sec. Cor. 28 Found
27
33
32
80'
80'
R/W
200'
240
Lolo Creek
PSC 245+39.74
P.S.C. 245+61.41
PS 242+39.74
P.S. 242+61.41
PCS 261+03.07
P.C.S. 261+17.80
PT 264+03.07
P.T. 264+17.80
S69°28'E staked
S70°01'30"E Constr.
PS 264+69.68
P.S. 264+65.32
PSC 267+69.68
P.S.C. 267+65.32
270
PCS 272+71.80
P.C.S. 272+77.44
Borrow Area
N61°22'E
717.82
717.82
280
N65°52'E As Staked
N65°51'30"E As Constr.
Mon 60' Rt. & Lt.
P.S. 280+79.53
Mon 30' & 75' Rt.
P.S.C. 283+79.53
P.C.S. 287+32.86
P.T. 290+32.86
305+
ANACONDA COPPER MINING CO.
S.1/2 SEC. 27
238+86.57 S89°54'W
27
As Constr.
Δ 110°36'
D 6° C.R.
R 954.93'
T 1534.69'
L 1543.33'
Ls 300'
S 9°00
As staked
Δ 111°23'
D 6°00' C.R.
R 954.93
Ts 1555.06
L 1556.39
Ls 300'
S 9°00'
Both
Δ = 16°20'
D = 2°30'
R = 2291.83'
Ts = 479.12'
L = 353.33'
Ls 300'
S 3°45'
U.S. FOREST SERVICE
NW. 1/4 SEC. 34
CLASSIFICATION
CLEARING
100 % Common
DRAINAGE
STRUCTURES
243+07-18"x76' CMP
254+63-24"x63' CMP
262+55-18"x83' CMP
BENCH
MARK
B.M. Elev. 3978.503
U.S.G.S. W-371 Brass Cap
47' Lt. 241+91 in Conc.
B.M. Elev. 3974.36
Boat Nail in Root 8" Fir
55' Lt. 249+70
B.M. Elev. 3948.71
Boat Nail in Root 12" Pine
40' Lt. 277+85
4000
PROFILE
SCALE 1"= 40' VERT.
1"=400' HOR.
-0.80 %
242+50
El 3981.01
No V.C.
260+00
El 3967.01
No V.C.
-0.8572 %
-0.45 %
275+71.80 Bk.
275+61.41 Ah.
277+00
El 3952.40
400' V.C.
283+40
El 3949.52
800' V.C.
EQUATION
3900
3800
SURFACING
SUBGRADE
9" Crushed Aggr. Base Grading "B"
3" Crushed Aggr

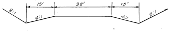
RES. ENGR.
PLOTTED BY:
CHECKED BY:
TRACED BY:

BEGIN 1955
COMPLETED 1957

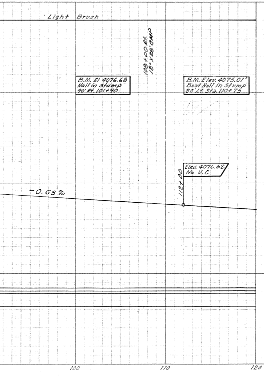
LEWIS & CLARK HIGHWAY-PROJECT NO. 11-
GRADING MI., SURFACING MI., BRIDGES .0278 MILES

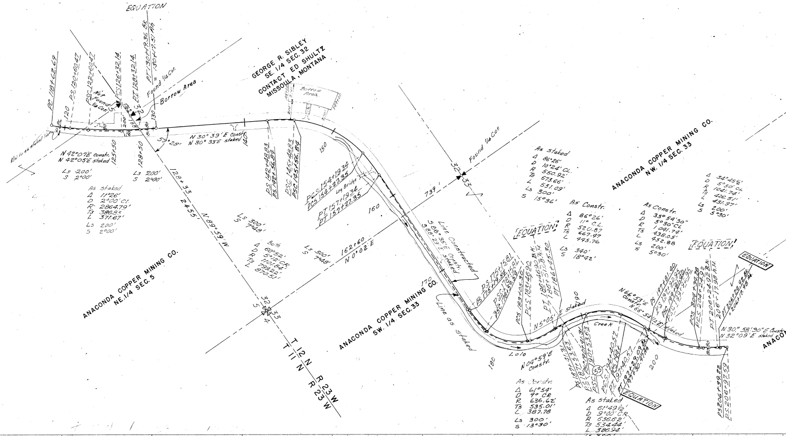
240 250 260 270 280


ANACONDA COPPER MINING CO.
NW. 1/4 SEC. 5
N 42°05'E Staked
N 42°07'E Constr.
100
110
120
Line as Constructed
Line as Staked
P.S. 120+60.47
PSC. 122+60.47
Ls 200'
S 2°00'
93+46 N 89°59½'W
5


15'
32'
15'
2:1
4:1
4:1
2:1

TYPICAL SECTION SPECIAL DITCH
STA. 0+00 to STA. 13+00


Light Brush
109+00 Rt. 18"x28" CMP
B.M. El 4076.68 Nail in Stump 90' Rt. 101+90
B.M. Elev. 4075.01' Boat Nail in Stump 80' Lt. Sta. 110+75
Elev. 4076.62 No V.C.
112+00
-0.63 %
100
110
120


EQUATION
PC 118+62.69
PS 120+60.47
PSC 122+60.47
PSC 126+32.14
PT 128+32.14
PT 130+19.36 Bk.
" 130+17.51 Ah.
Not Found 1/4 Cor.
Found 1/4 Cor.
Borrow Area
GEORGE R. SIBLEY
SE. 1/4 SEC. 32
CONTACT ED SHULTZ
MISSOULA, MONTANA
N 42°07'E Constr.
N 42°05'E staked
Ls 200'
S 2°00'
As Staked
Δ 11°26'
D 2°00' Cl.
R 2864.79'
Ts 386.33
L 371.67'
Ls 200'
S 2°00'
125+50
128+50
59°28'
N 30°39'E Constr.
N 30°33'E staked
128+33
2455'
N 89°59'W
PS 142+48.83
PS 142+56.84
PSC 145+48.83
PSC 145+56.84
PCS 154+19.34
PCS 154+27.35
PT 157+19.34
PT 157+27.35
Log Bridge
Ls 300'
S 7°48'
Both
Δ 60°52'
D 5°12' CR.
R 1101.84'
Ts 799.22'
L 870.51'
162+60
N 0°02'E
ANACONDA COPPER MINING CO.
NE. 1/4 SEC. 5
32 33
5 4
T 12 N R 23 W
T 11 N R 23 W
739'
Found 1/4 Cor.
Line Constructed
S 88°35'E Constr.
S 88°29'E Staked
Line as staked
ANACONDA COPPER MINING CO.
SW. 1/4 SEC. 33
150
160
170
180
190
200
As Staked
Δ 86°26'
D 10°24' CL.
R 550.92'
Ts 673.66'
L 531.09'
Ls 300'
S 15°36'
As Constr.
Δ 86°26'
D 11° C.L.
R 520.87
Ts 667.97
L 495.76
Ls 340'
S 18°42'
EQUATION
As Constr.
Δ 35°59'30"
D 5°30' CL
R 1041.79'
Ts 438.05'
L 452.88
Ls 200'
S 5°30'
EQUATION
ANACONDA COPPER MINING CO.
NW. 1/4 SEC. 33
Δ 34°45½'
D 5°30' CL
R 1041.74'
Ts 426.51'
L 431.97'
Ls 200'
S 5°30'
EQUATION
PS 175+16.81
PSC 178+05.30
PCS 183+05.30
PCS 183+46.90
PT 186+46.90 Bk.
PT 186+45.30
N 5°05'E staked
N 04°59'E Constr.
Lolo
Creek
As Constr.
Δ 61°54'
D 9° CR.
R 636.62'
Ts 535.01'
L 387.78
Ls 300'
S 13°30'
As staked
Δ 61°49½'
D 9°00' CR.
R 636.62'
Ts 534.44
L 386.94
Ls 300'
S 13°30'
EQUATION
PSC 190+53.63
PCS 194+40.57
PT 197+29.09 Bk.
PT 197+30.47 Ah.
N 66°53'E Constr.
N 66°54½'E staked
PS 197+81.40
PCS 204+24.98
PT 206+24.98 Bk.
206+17.98 AH
PS 206+39.82
PS 206+97.59
N 30°58'30"E Constr.
N 32°09'E staked
EQUATION

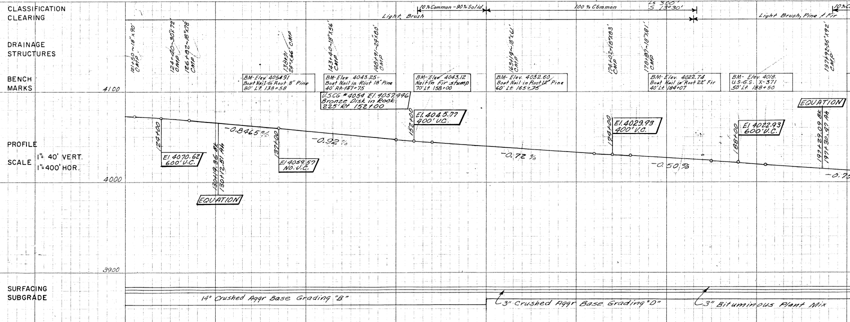
CLASSIFICATION
CLEARING

DRAINAGE
STRUCTURES

BENCH
MARKS

PROFILE
SCALE 1" = 40' VERT.
1" = 400' HOR.

SURFACING
SUBGRADE


10% Common - 90% Solid
100% Common
10% C
Light Brush
Light Brush, Pine & Fir
121+50 ~18"x90' CMP
124+40 ~30"x72' CMP
126+92 ~18"x78' CMP
138+71 24"x66' CMP
143+40 ~18"x56' CMP
148+91 ~29"x80' CMP
165+19 ~18"x61' CMP
174+02 ~18"x83' CMP
178+87 ~18"x81' CMP
197+36 ~36"x92' CMP
BM-Elev 4054.91 Boat Nail in Root 8" Pine 80' Lt. 138+58
BM-Elev 4043.25 Boat Nail in Root 18" Pine 40' Rt. 147+75
U.S.C.G. # 4054 El. 4052.496 Bronze Disk in Rock 225' Rt. 152+00
BM-Elev 4043.12 Nail in Fir stump 70' Lt. 158+00
BM-Elev. 4032.60 Boat Nail in Root 12" Pine 60' Lt. 165+75
BM-Elev. 4022.74 Boat Nail in Root 22" Fir 40' Lt. 184+07
BM-Elev. 4018. U.S.G.S. X-371 50' Lt. 188+50
4100
4000
3900
124+00
El. 4070.62 600' V.C.
130+19.36 Bk.
130+17.51 Ah.
EQUATION
-0.8465 %
137+00
El. 4059.57 No. V.C.
-0.92 %
152+00
El. 4045.77 400' V.C.
-0.72 %
174+00
El. 4029.93 400' V.C.
-0.50 %
188+00
El. 4022.93 600' V.C.
EQUATION
197+29.09 Bk.
197+30.47 Ah.
-0.7
14" Crushed Aggr Base Grading "B"
3" Crushed Aggr Base Grading "D"
3" Bituminous Plant Mix

RES. ENGR.		BEGIN	1955
PLOTTED BY:		COMPLETED	1957
CHECKED BY:			
TRACED BY:			

LEWIS & CLARK HIGHWAY - PROJECT NO. 11

GRADING MI., SURFACING MI., BRIDGES .0278 MILES

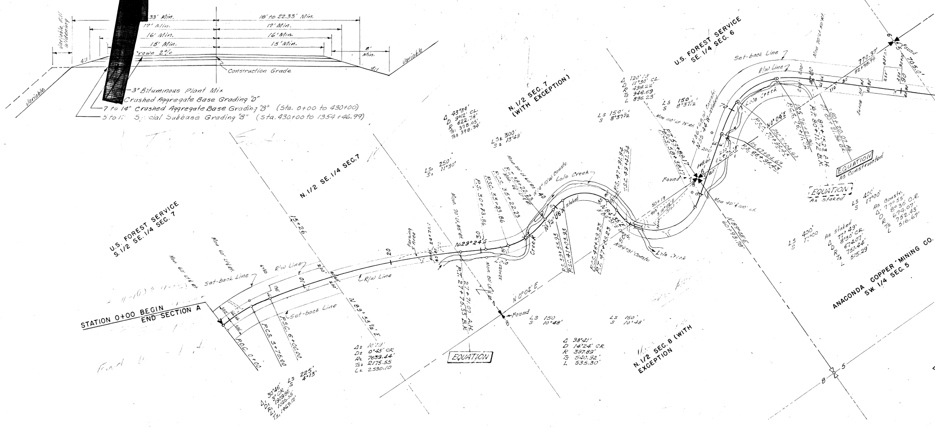
120 130 140 150 160 170 180 190 200

Superseded by 11-1(1) East

[redacted]

[redacted]

[redacted]



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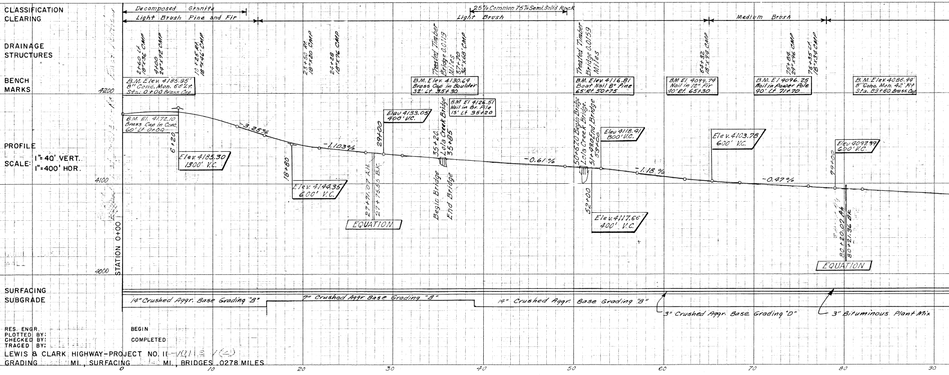
33' Min.
18' to 22.33' Min.
17' Min.
17' Min.
16' Min.
16' Min.
15' Min.
15' Min.
Crown 2%
Variable Fill Widening
8' Min.
4:1
4:1
Variable
Variable
Construction Grade
3" Bituminous Plant Mix
Crushed Aggregate Base Grading "D"
7 to 14" Crushed Aggregate Base Grading "B" (Sta. 0+00 to 430+00)
5 to 1? Special Subbase Grading "B" (Sta. 430+00 to 1354+46.99)
STATION 0+00 BEGIN
END SECTION A
U.S. FOREST SERVICE
S. 1/2 SE. 1/4 SEC. 7
N. 1/2 SE. 1/4 SEC. 7
N. 1/2 SEC. 7 (WITH EXCEPTION)
U.S. FOREST SERVICE
SE. 1/4 SEC. 6
N. 1/2 SEC. 8 (WITH EXCEPTION)
ANACONDA COPPER MINING CO.
SW. 1/4 SEC. 5
Mon 60' Lt & Rt
Mon 60' Lt & Rt
Set-back Line
R/W Line
Set-back Line
R/W Line
6+50
13+26
10
20
30
40
50
60
70
80
90
P.O.C. 0+00
P.C.S. 3+75.00
P.S.C. 6+00.00
N 89° 53 1/2' E
Δ1 30°46'
D1 3° CR.
R1 1909.86
L1 1025.55
Ts1 1469.12'
LS 225'
S 4°13'
Δ2 16°19'
D2 0°45' CR.
R2 7639.44'
Ts2 2175.55
L2 2530.10
Parking Area
24+71.1
Mon 70' Lt, 85' Rt
N 29°24' E
P.T. 27+75.55 B.K.
27+71.02 A.H.
EQUATION
Mon 80' Lt & Rt
N 0°02' E
Found
LS 150
S 10°48'
LS 150'
S 10°48'
Δ 98°41'
D 14°24' CR.
R 397.89'
Ts 540.92'
L 535.30'
LS1 250'
S1 11°30'
LS2 300'
S2 13°48'
Δ 43°34'
D 9°12' CL.
R 622.78'
Ts1 378.05'
Ts2 398.34'
P.S. 30+73.86
P.S.C. 33+23.86
P.C.S. 35+22.23
P.T. 38+22.23
Mon 50' Lt 60' Rt
N 14°10' W Constr.
Lolo Creek
Creek
N 14°06' W staked
P.S. 39+53.93
P.S.C. 41+03.93
P.C.S. 46+39.23
P.T. 47+89.23
P.S. 47+91.94
S.C. 49+41.94
N 84°35' E
N 84°31' E Constr.
Lolo Creek
50+19
S 10°08' E
711.1
LS 150'
S 8°37 1/2'
Mon 110' Lt 75' Rt
Δ 120°13'
D 11°30' CL.
R 498.22'
Ts 946.69
L 896.23'
LS 150'
S 8°37 1/2'
P.T. 59+88.17
P.C.S. 58+38.17
Found
148.6'
N 36°48' W Constr.
N 35°44' W staked
Mon 40' & 100' Lt
N 89°48' E
60+93.78'
P.S. 66+96.43
P.S. 67+04.69
P.S.C. 70+96.43
P.S.C. 71+04.67
P.C.S. 76+11.72
P.C.S. 76+21.36
N 0°04' E
Lolo Creek
P.T. 80+11.72 B.K.
80+15.23 A.H.
P.T. 80+21.36 B.K.
80+20.02 A.H.
EQUATION As Constructed
EQUATION As Staked
LS 400'
S 17°00'
As Constr.
Δ 77°55'
D 8°30' C.R.
R 674.07'
Ts 752.43'
L 516.67'
LS 400'
S 17°00'
As Staked
Δ 77°49'
D 8°30' CR.
R 674.07'
Ts 751.44'
L 515.29'
Mon 70' Lt 50' Rt
770.37'
82+98.94
705.0'
Found



CLASSIFICATION
CLEARING
DRAINAGE STRUCTURES
BENCH MARKS
PROFILE
SCALE: 1"=40' VERT. 1"=400' HOR.
SURFACING
SUBGRADE
Decomposed Granite
Light Brush Pine and Fir
25% Common 75% Semi. Solid Rock
Light Brush
Medium Brush
2+60 Lt 18"x36' CMP
4+00 24"x72' CMP
10+25 Rt 18"x46' CMP
23+50 Rt 18"x20' CMP
24+28 18"x76' CMP
Treated Timber Bridge 0.0119 Miles
37+70 36"x68' CMP
Treated Timber Bridge 0.0159 Miles
64+32 18"x94' CMP
75+84 24"x96' CMP
76+35 Lt 18"x34' CMP
B.M. Elev. 4185.95' 8" Conc. Mon. 66' Lt. Sta. 0+00 Brass Cap
B.M. Elev. 4130.69 Brass Cap in Boulder 32' Lt 35+30
BM El 4126.51 Nail in Br. Pile 15' Lt 35+20
B.M. Elev. 4116.81 Boat Nail 8" Pine 65' Rt 50+75
BM El 4099.74 Nail in 12" Fir 40' Rt. 65+30
B.M. El 4096.25 Nail in Power Pole 40' Lt 71+20
B.M. Elev. 4086.49' 8" Conc. Mon. 42' Rt Sta. 89+60 Brass Cap
4200
4100
4000
STATION 0+00
B.M. El. 4172.10 Brass Cap in Conc. 60' Lt 0+00
6+20
Elev. 4185.30 1300' V.C.
-3.25%
18+80
Elev. 4144.35 600' V.C.
-1.103%
27+71.02 A.H.
27+75.55 B.K.
EQUATION
29+00
Elev 4133.05 400' V.C.
35+20 Lolo Creek Bridge 35+85
Begin Bridge
End Bridge
-0.61%
50+67.0 Begin Bridge
Lolo Creek Bridge
51+99.0 End Bridge
53+00
Elev 4118.41 800' V.C.
52+00
Elev. 4117.66' 400' V.C.
-1.18%
Elev. 4103.78 600' V.C.
-0.47%
79+00
Elev 4097.39 600' V.C.
80+20.02 AH
80+21.36 BK
EQUATION
14" Crushed Aggr. Base Grading "B"
7" Crushed Aggr Base Grading "B"
14" Crushed Aggr. Base Grading "B"
3" Crushed Aggr. Base Grading "D"
3" Bituminous Plant Mix
0
10
20
30
40
50
60
70
80
90

RES. ENGR.
PLOTTED BY:
CHECKED BY:
TRACED BY:

BEGIN
COMPLETED

LEWIS & CLARK HIGHWAY-PROJECT NO. 11-1(1)E (2)
GRADING MI., SURFACING MI., BRIDGES .0278 MILES

[redacted]