Δ - 34°48' L
D - 15°00'
T - 120.0'
E - 19.4'
L - 232.0'
PC - 29+95
PI - 30+65
PT - 31+72

Proposed
Δ - 25°37'30" L
D - 14°00'
T - 93.3'
E - 10.5'
L - 183.1'
PC - 29+16.7
PI - 30+10.0
PT - 30+99.8
Superelevate 0.07' per ft.
Rotate 10' Rt. Of ℄

Proposed
Δ - 17°05' L
D - 12°00'
T - 71.8'
E - 5.4'
L - 142.4'
PC - 34+92.1
PI - 35+63.9
PT - 36+34.5
Superelevate 0.07' per ft.
Rotate 10' Rt. Of ℄

BM # 5 - Elev. 988.87
Spike & washer in root of 14" Balsam
30' L of Sta. 36+35

Proposed
Δ - 7°58' R
D - 4°00'
T - 99.8'
E - 3.5'
L - 199.2'
PC - 38+69.4
PI - 39+69.2
PT - 40+68.6
Superelevate 0.07' per ft.
Rotate 10' Lt. Of ℄

BM # 6 - Elev. 997.17
Spike & washer in root of 12" Maple
30' L of Sta. 44+75

Station On Stake Line	Proposed Line
30+00	2' L
31+00	10' L
32+00	5' L
33+00	5' R
34+00	23' R
35+00	37.5' R
36+00	41.8' R
37+00	31' R
38+00	20' R
39+00	9.3' R
40+00	2' R

BM # 7 - Elev. 1009.14
Spike & washer in root of 12" Maple
58' R. of Sta. 52+47

Δ - 38°57' R
D - 8°00'
T - 257.5'
E - 23.5'
L - 486.9'
PC - 53+34.1
PI - 58+07.6
PT - 60+21

BM # 8 - Elev. 1004.51
USC & GS Bench D136-1948
170' L of Sta. 56+20

~~PI Sta. 58+07.6 - ¾" Iron pipe~~
~~N 60° E - 49.8' - R. Nail in 10" Maple~~
~~S 27° E - 43.7' - R. Nail in 6" Hemlock~~
~~S 24° W - 43.9' - R. Nail in 4" Maple~~

BM # 8A - Elev. 1007.14
Spike & M.S.H.D. Tag in Root Of 14" Maple
32' L Of Sta. 57+24

Section corner

STATION EQUATION
Sta. 40+65.0 old line =
Sta. 40+68.6 new line

In Place, 62' Of 24" CMP Culvert With Headwalls
33' L - 29' R

In Place, 42' Of 18" CMP Culvert With Headwalls
24' L - 18' R

In Place, 54' Of 18" CMP Culverts With Headwalls
34' L - 20' R

Δ - 65°-33' R
D - 7°00'
T - 527.3'
E - 153.0'
L - 936.4'
PC - 51+93.7
PI - 57+21.0
PT - 61+30.1
Superelevate 0.07' per ft.
Rotate 10' Lt. of ℄

PI Sta. 57+21.0 - ¾" Iron Pipe
N 87° W - 28.9' - 12" Soft Maple
S 59° E - 8.2' - 5" Balsam
N 45° E - 47.5' - 8" Hard Maple

Bergland Silt Loam
Watton Loam
Bergland Clay Loam
Surveyed ℄
Proposed ℄
BM
S 40°40' W
S 45°30' W
S 32°45' W
N 72°41' W
PC Sta. 34+92 Proposed
PI Sta. 35+639 Proposed
PT Sta. 36+345 Proposed
PC Sta. 38+69.4 Proposed
PI Sta. 39+69.2 Proposed
PT Sta. 40+68.6 Proposed
PC 51+93.7
PI Sta. 57+21.0
USC&GS BM 8A

Complete the Grading and Subbase, and place Aggregate Surface

Complete the Grading, and place Subbase and Aggregate Surface

Fill Section 1on 4 Slopes — 1.5' RB Ditch 1.5' Below Shoulder 1on1 B.S.

Fill Section 1on 4 Slopes — 1.5' RB Ditch 1.5' Below Shoulder 1on1 B.S.

Fill Section 16' Shoulder 1on 4 Slopes

Fill Section 16' Shoulder 1on 2 Slopes

Fill Section 1on 4 Slopes — 1.5' RB Ditch 1.5' Below Shoulder 1on1 B.S.

1.5' R.B. Ditch 1.5' Below Shoulder

PT 61+30.1

Lt. Ditch Line — Profile And Top Of Metal Grade — Rt. Ditch Line

(1) Guard post — L.F.L. Elev. 961.4

(1) Guard post — R.F.L. Elev. 962.3

(1) Guard post — L.F.L. Elev. 989.2

14 Guard Posts — (1) Guard post — R.F.L. Elev. 991.3

(1) Guard post — L.F.L. Elev. 999.8

(1) Guard post — R.F.L. Elev. 1001.3

(1) Guard post — L.F.L. Elev. 1001.4

(1) Guard post — R.F.L. Elev. 1003.1

Elev. 964.00 + 20
Elev. 916.00
Elev. 979.00 + 20
Elev. 990.00 + 50
Elev. 1001.00
Elev. 991.2

+2.07%
+1.33%
+2.49%
+4.89%
0.45%
+1.20%

400' V.C.
200' V.C.
300' V.C.
W.T.
To Sta. 104+00
See sheet No. 5 for earthwork

26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00

NO.	DATE	BY	REVISIONS
1			4
2			5
3			6

		DATE
APPROVED BY		
ASSISTANT CHIEF IN CHARGE OF DESIGN		12-29-53
REVIEWED BY SECTIONS		DATE
ARCHITECTURAL	J.I.R.	12-29-53
ENGINEERING	W.C.N.	12-29-53
LANDSCAPE	J.I.R.	12-29-53

DRAWN BY	B.H.G.
TRACED BY	
CHECKED BY	
DATE	12 Feb. 1952

MICHIGAN
DEPARTMENT OF CONSERVATION
PARKS AND RECREATION DIVISION

PORCUPINE MOUNTAINS STATE PARK
SOUTH BOUNDARY ROAD
Scale Hor. 1"=100', Ver. 1"=10'

SHEET NO. 4 OF 14

PLAN. NO. E-109