

Note: All privately owned structures will be moved off the Right of Way by the Govt. or under Extra Work Order.

Note: All notations in red ink indicate changes during construction.  
J.M.H.

True North  
Scale 1"=100'

50' thru out Proj.

$\Delta = 13^{\circ} 04'$   
 $R = 1200.0$   
 $T = 137.4$   
 $E = 7.85$   
 $L = 273.7$

$\Delta = 21^{\circ} 42'$   
 $R = 1000.0$   
 $T = 191.7$   
 $E = 18.8$   
 $L = 378.7$

**B.M. #1 EL. 212539**

Spike in E of Asphalt  
Macadam at Sta. 0+00

**B.M. #2 EL. 212836**

Spike in rock 30' right  
of Sta. 8+00

**B.M. #3 EL. 211418**

Spike in root of stump  
60' right of Sta. 16+25

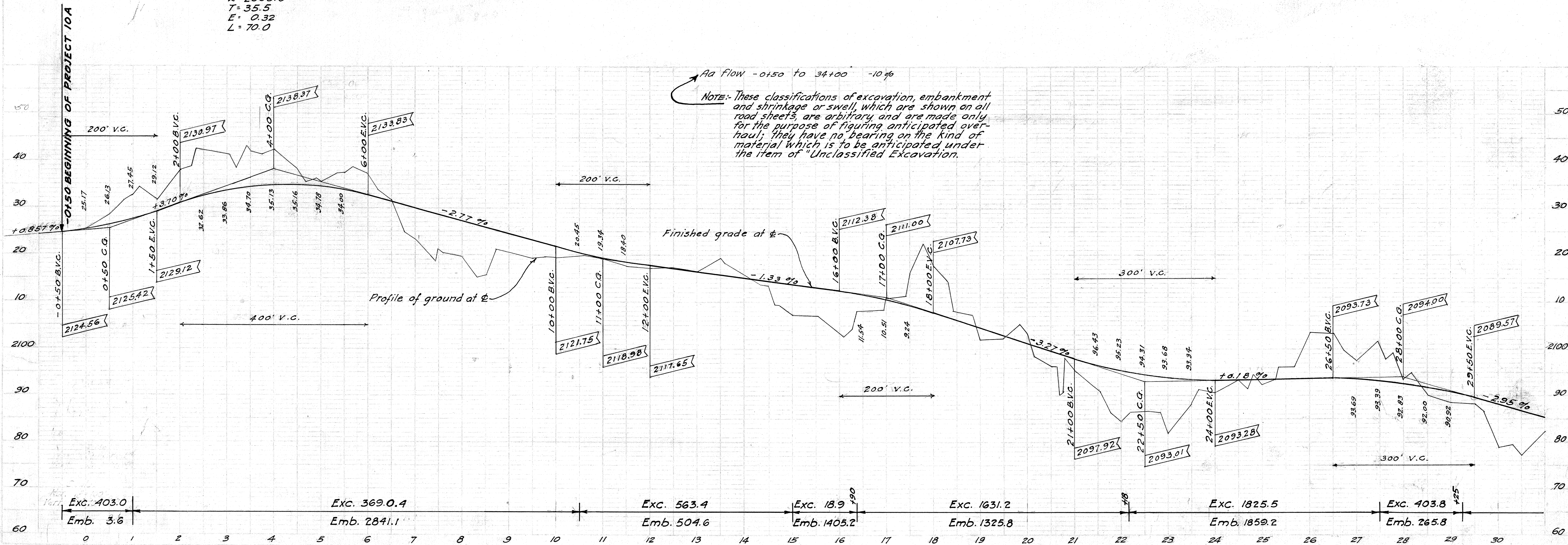
**B.M. #4 EL. 210393**

Spike in tree 90' right  
of Sta. 23+30

$\Delta = 2^{\circ} 02'$   
 $R = 2000.0$   
 $T = 35.5$   
 $E = 0.32$   
 $L = 70.0$

Aa Flow - 0+50 to 34+00 - 10%

NOTE: These classifications of excavation, embankment and shrinkage or swell, which are shown on all road sheets, are arbitrary, and are made only for the purpose of figuring anticipated overhaul; they have no bearing on the kind of material which is to be anticipated under the item of "Unclassified Excavation."

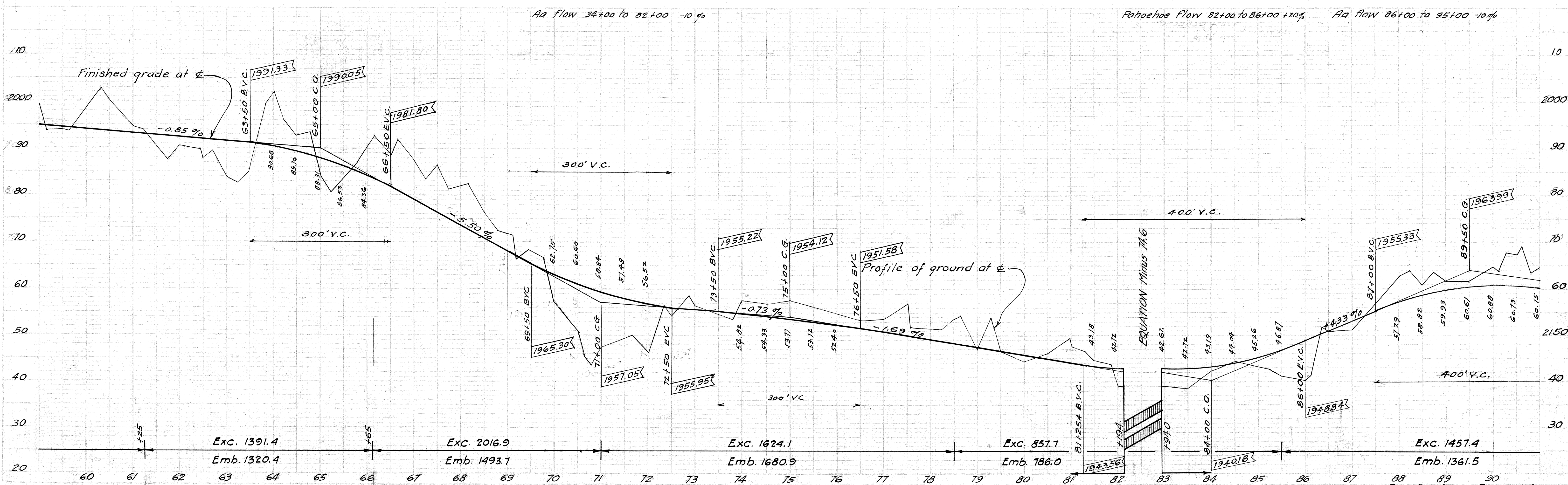
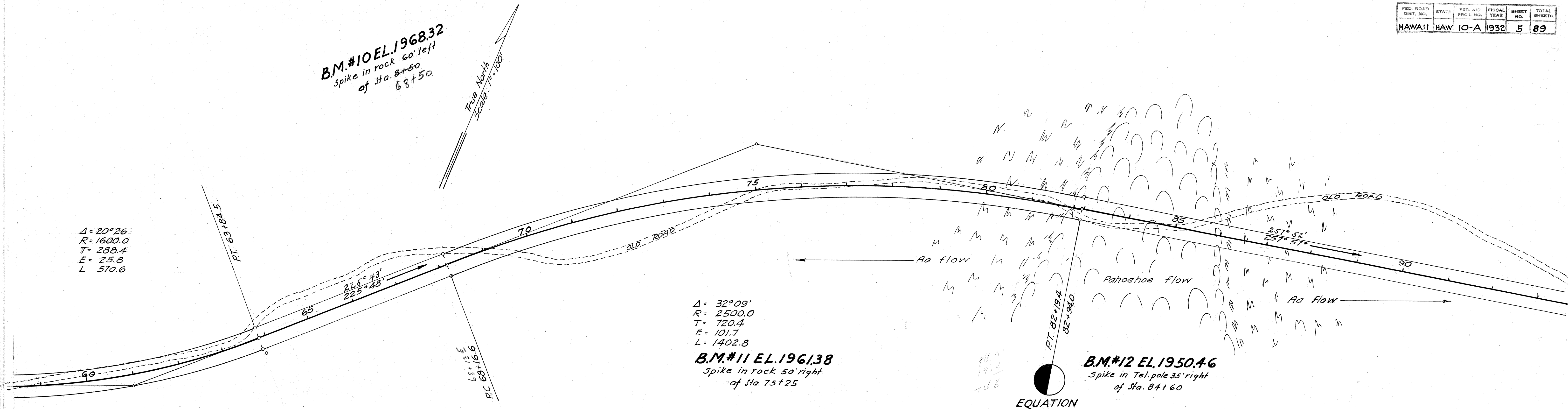








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SCALE  
DATE  
BY  
CHECKED  
DATE  
BY





**B.M.#13 EL.1964.63**  
Spike in rock 30' left of Sta. 90+05

**B.M.#14 EL.1944.04**  
U.S.P.B.M. Bronze Tablet in Concrete 20' left of Sta. 94+50

**B.M.#15 EL.1948.91**  
Spike in rock 75' left of Sta. 100+00

**B.M.#16 EL.1939.80**  
Spike in rock 140' left of Sta. 107+00

**B.M.#17 EL.1929.30**  
Spike in rock 100' left of Sta. 116+50

$\Delta = 22^\circ 31'$   
 $R = 2000$   
 $T = 398.12$   
 $E = 392$   
 $L = 7860$

True North  
Scale 1"=100'

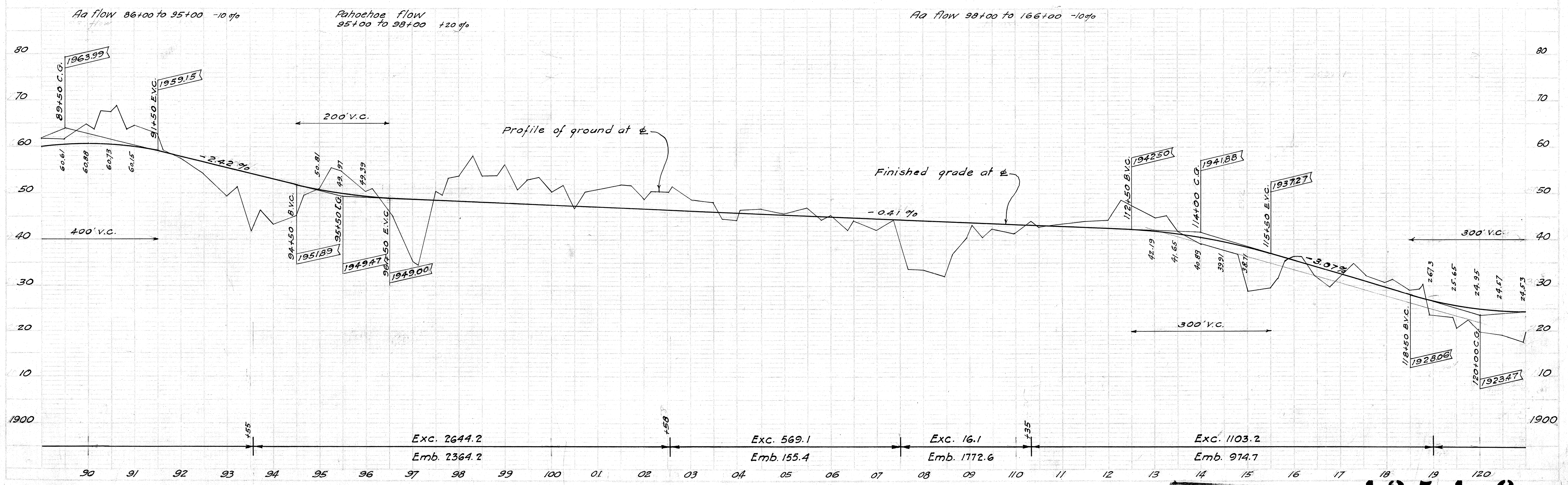
PT. 102+58.6

$112+41.3$   
 $= P.O.T. 112+42.7$

Aa flow 86+00 to 95+00 -10 g/o

Pahoehoe flow 95+00 to 98+00 +20 g/o

Aa flow 98+00 to 166+00 -10 g/o



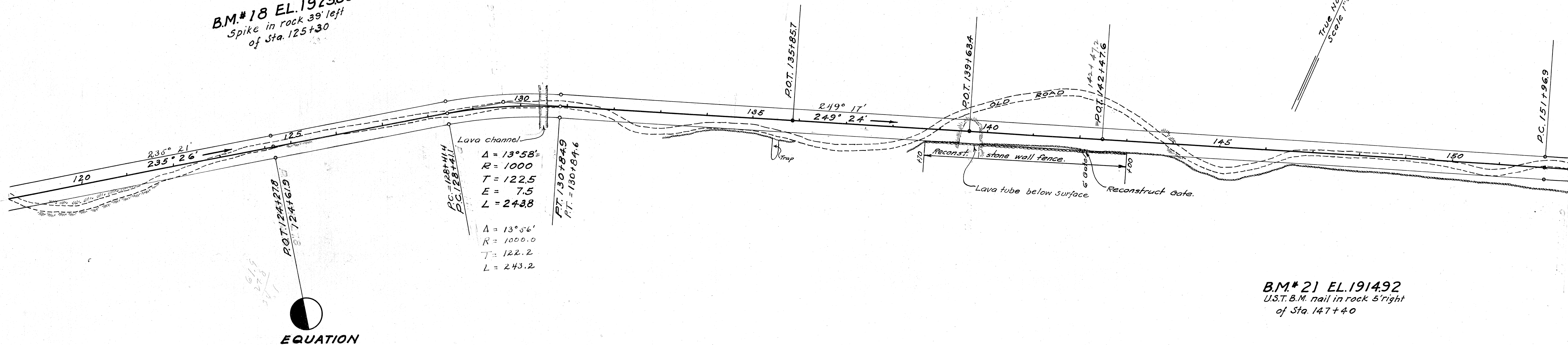


B.M.#18 EL.192583  
Spike in rock 39' left  
of Sta. 125+30

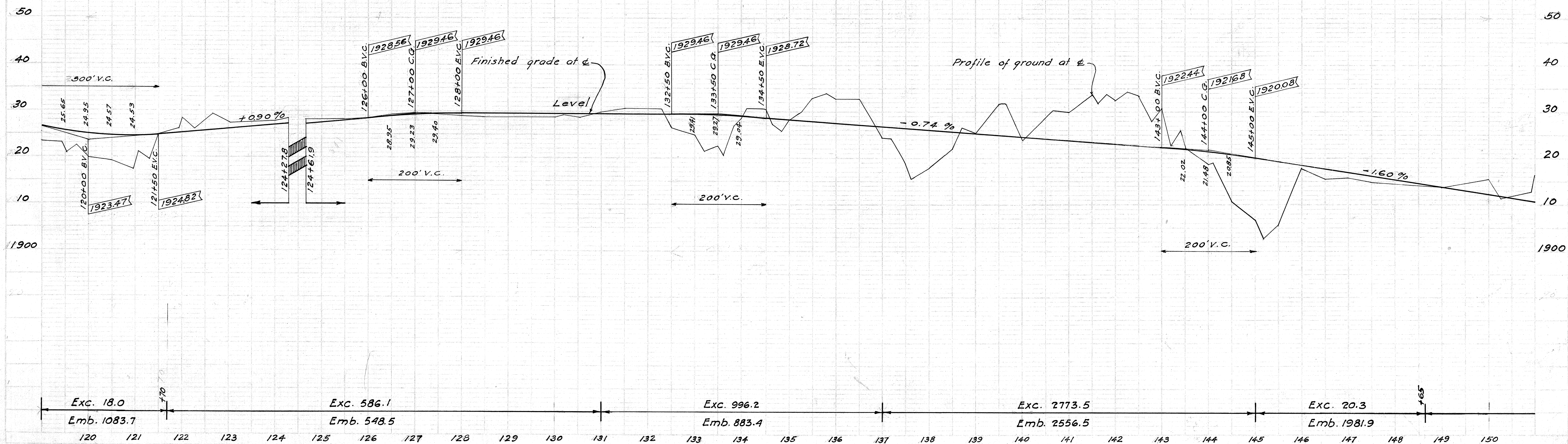
B.M.#19 EL.193357  
Spike in rock 28' left  
of Sta. 134+60

B.M.#20 EL.192533  
Spike in rock 40' left  
of Sta. 140+60

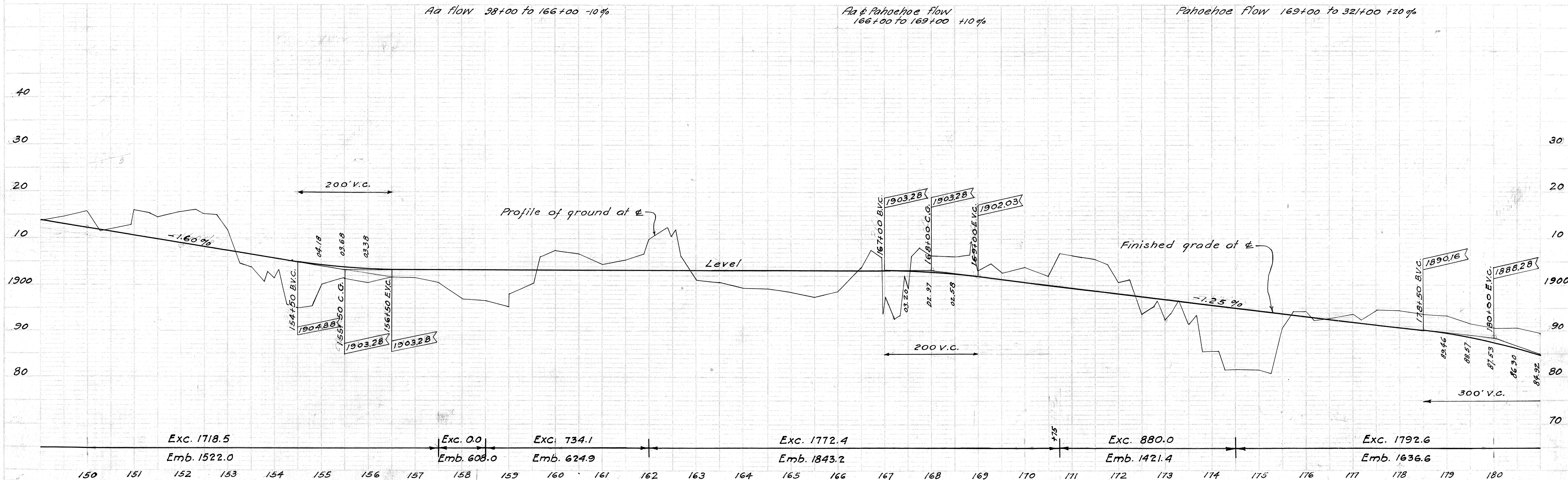
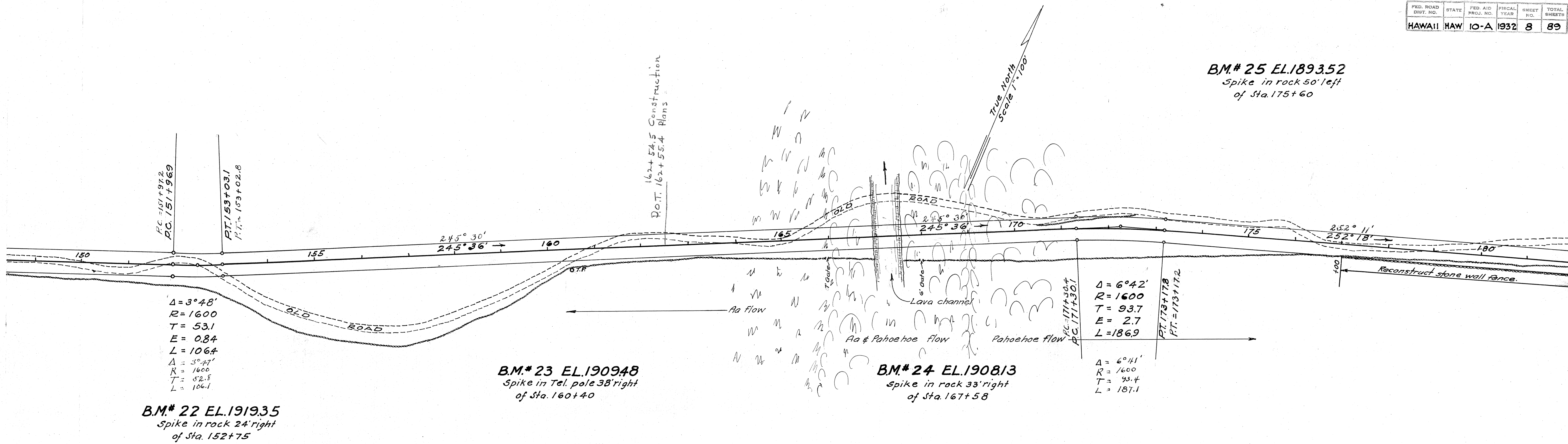
B.M.#21 EL.191492  
U.S.T.B.M. nail in rock 5' right  
of Sta. 147+40



Aa flow 98+00 to 166+00 -10%







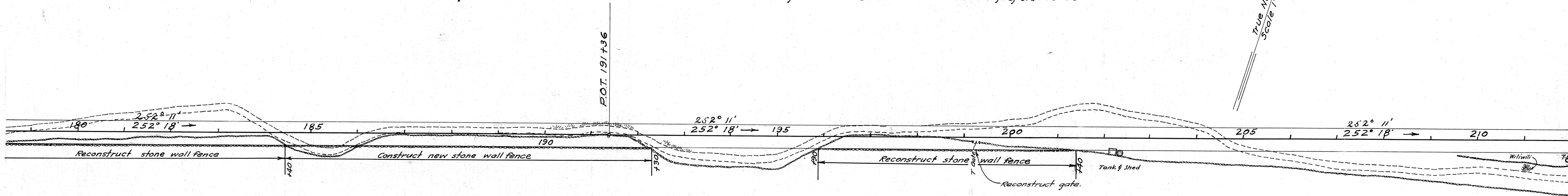


**B.M.# 26 EL. 1878.39**  
Spike in rock 40' left  
of Sta. 189+00

**B.M.# 27 EL. 1866.31**  
Spike in rock 15' left  
of Sta. 196+15

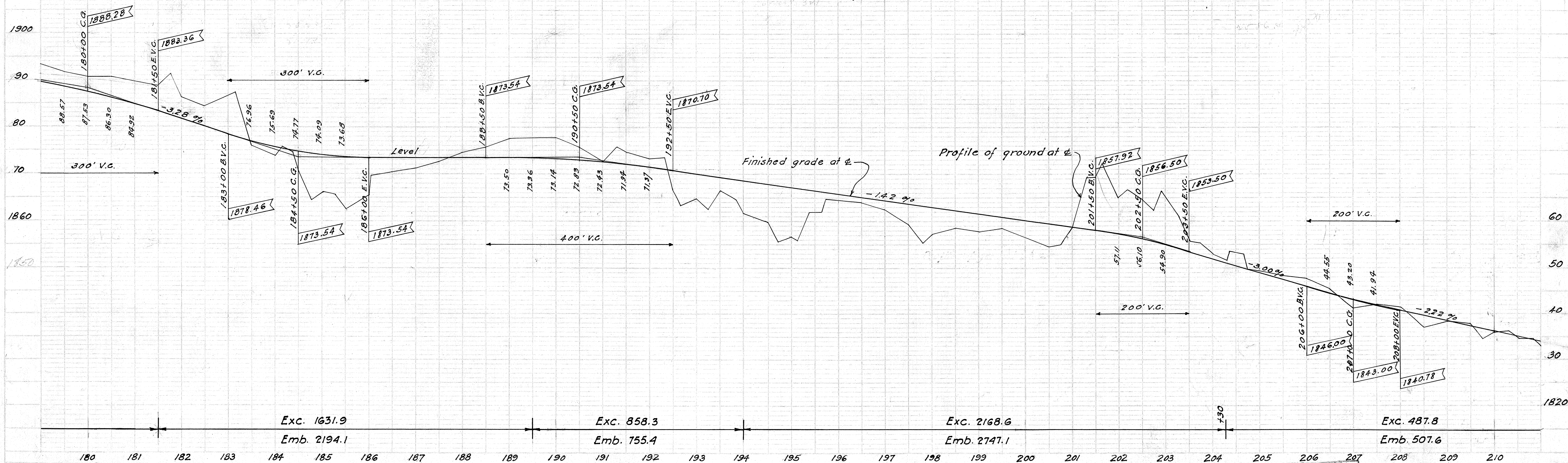
**B.M.# 28 EL. 1858.83**  
U.S.T. B.M. Copper nail in  
rock 50' left of Sta 200+00

True North  
Scale 1"=100'



**B.M.# 29 EL. 1847.48**  
Spike in rock 30' right  
of Sta. 207+35

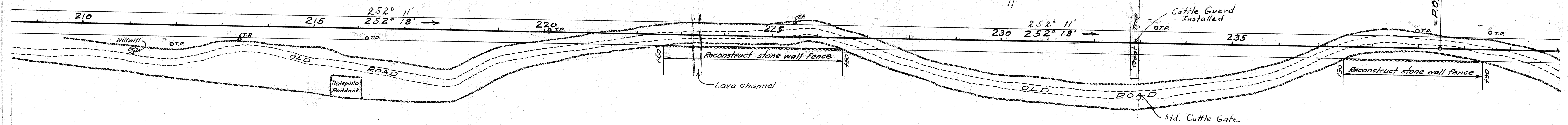
Pahoehoe flow 169+00 to 321+00 +20%





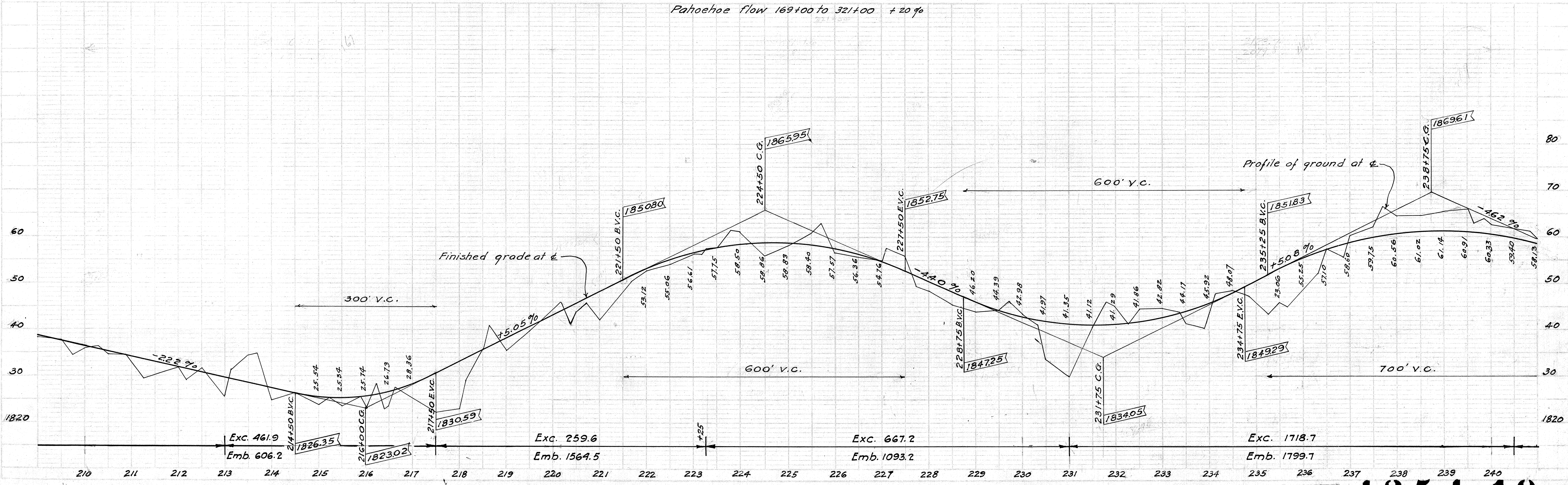
BM#31 EL.1851.40  
Spike in rock 35' left  
of Sta. 277+10

True North  
Scale 1"=100'

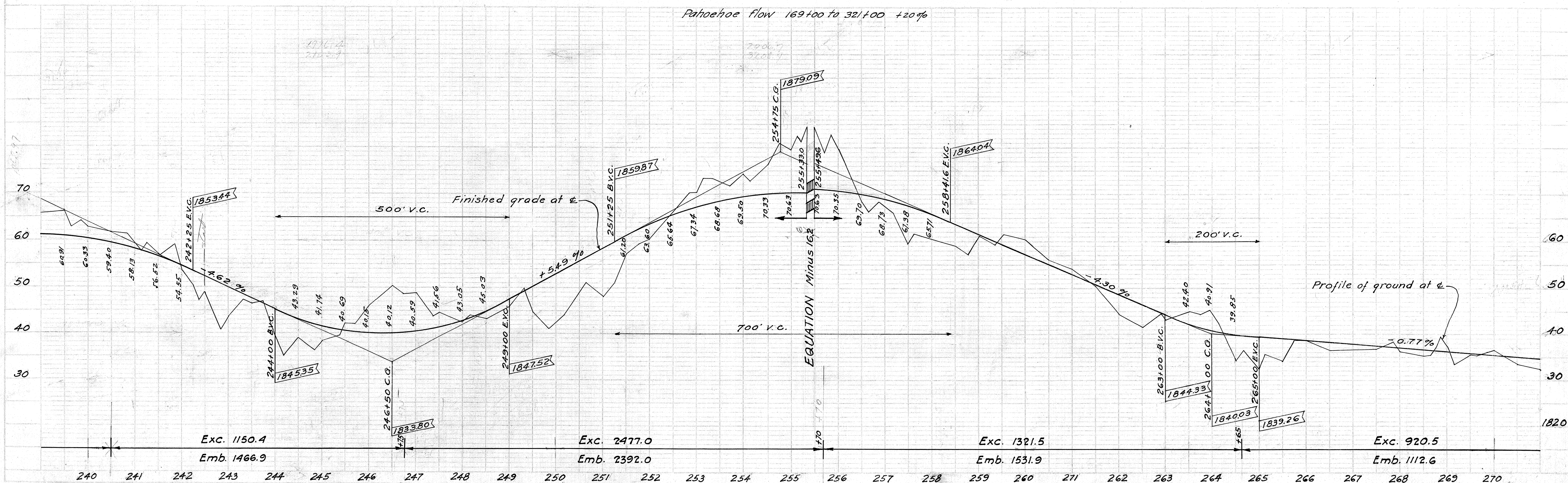


BM#30 EL.1836.08  
Spike in rock 75' right  
of Sta. 216+75

Pahoehoe flow 169+00 to 321+00 +20%



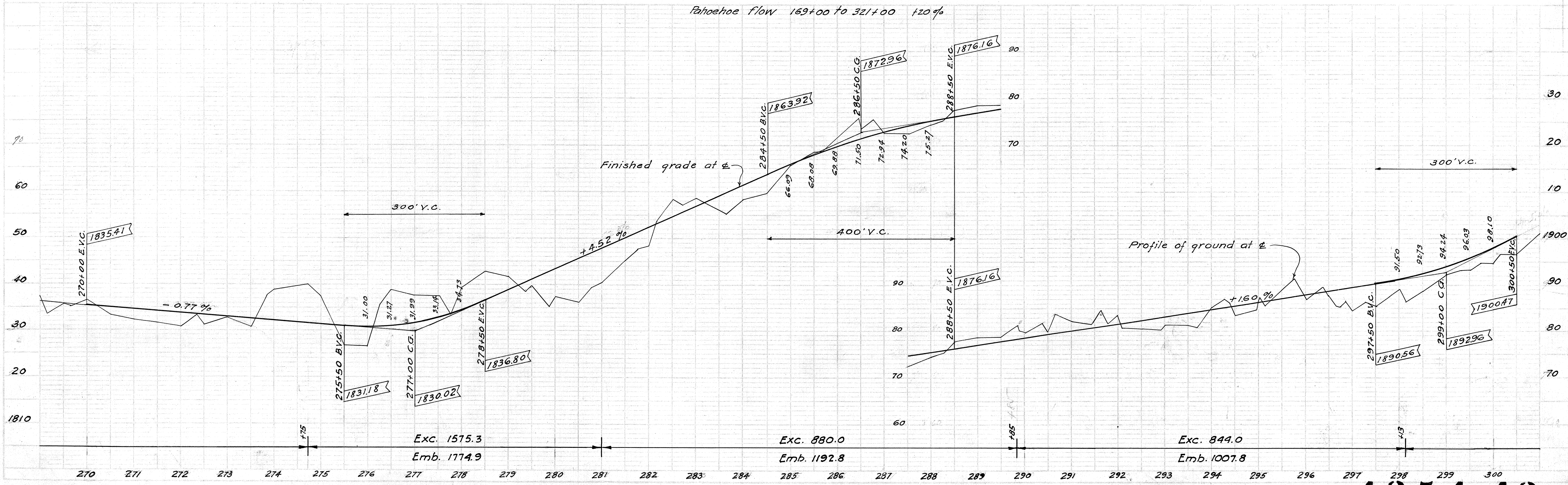
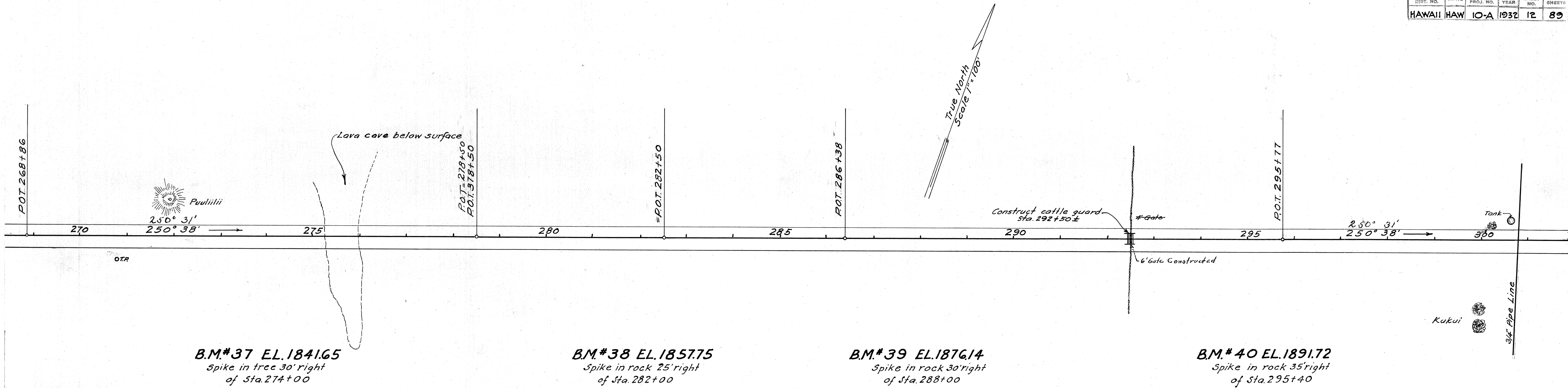




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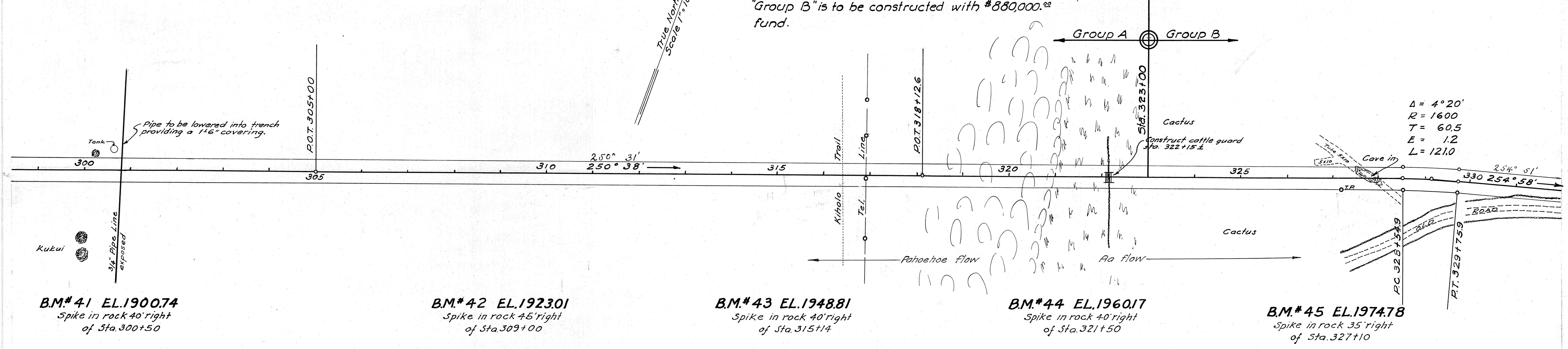






**NOTE FOR BUREAU OF PUBLIC ROADS**  
 "Group A" is to be constructed with Territorial funds and Federal Aid.  
 "Group B" is to be constructed with \$880,000.00 fund.

True North  
 Scale 1"=100'



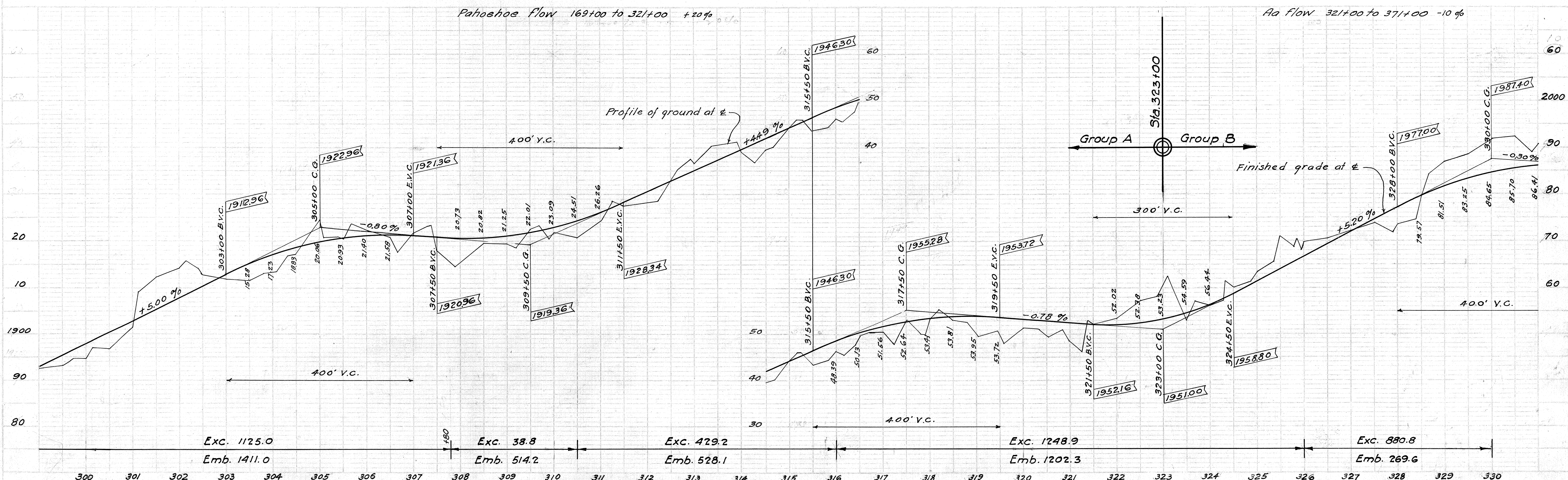
**B.M.#41 EL.1900.74**  
 Spike in rock 40' right of Sta. 300+50

**B.M.#42 EL.1923.01**  
 Spike in rock 45' right of Sta. 309+00

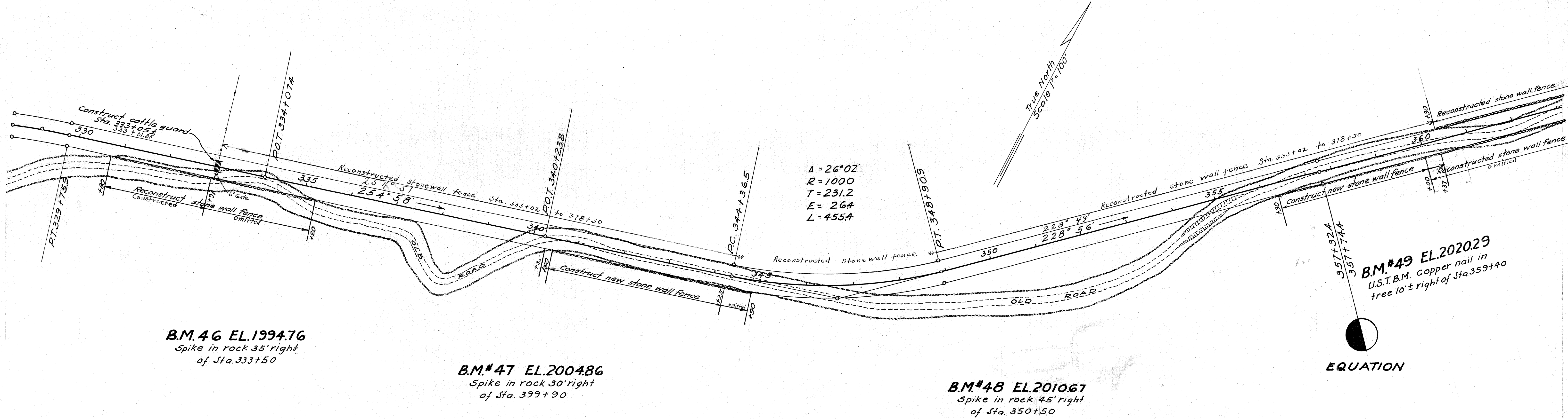
**B.M.#43 EL.1948.81**  
 Spike in rock 40' right of Sta. 315+14

**B.M.#44 EL.1960.17**  
 Spike in rock 40' right of Sta. 321+50

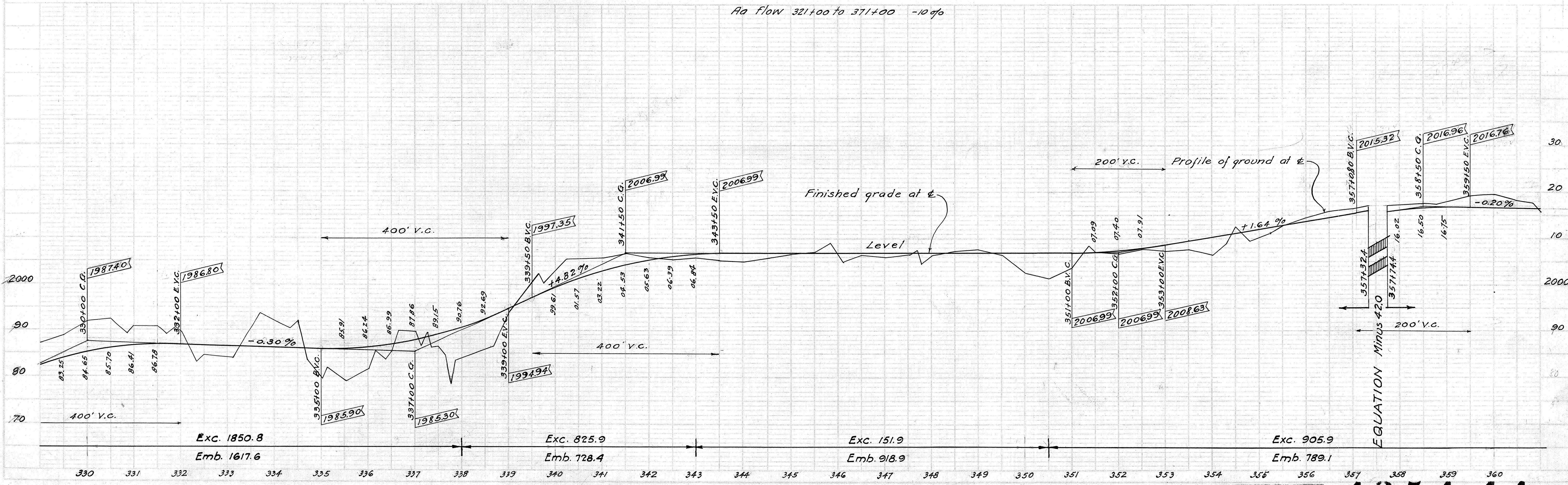
**B.M.#45 EL.1974.78**  
 Spike in rock 35' right of Sta. 327+10





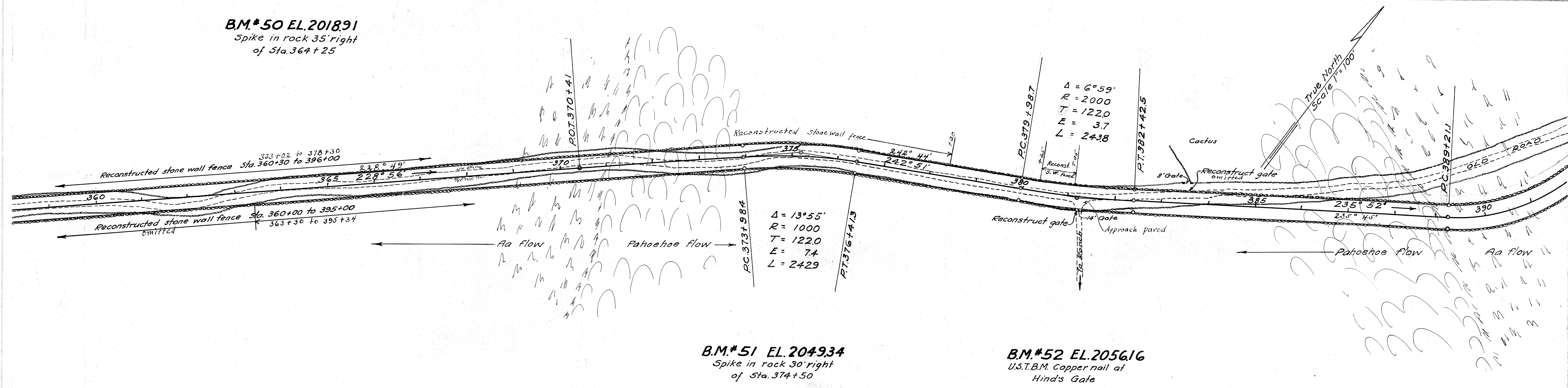


As Flow 321+00 to 371+00 -10 g/o





B.M.\*50 EL.2018.91  
Spike in rock 35' right  
of Sta. 364+25

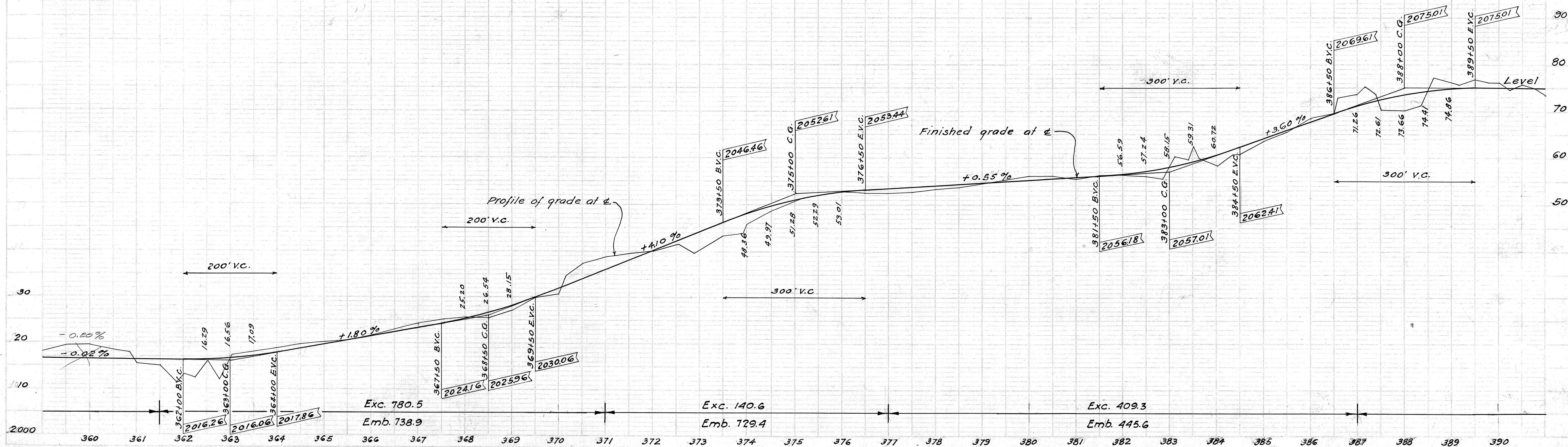


B.M.\*51 EL.2049.34  
Spike in rock 30' right  
of Sta. 374+50

B.M.\*52 EL.2056.16  
U.S.T.B.M. Copper nail at  
Hind's Gate

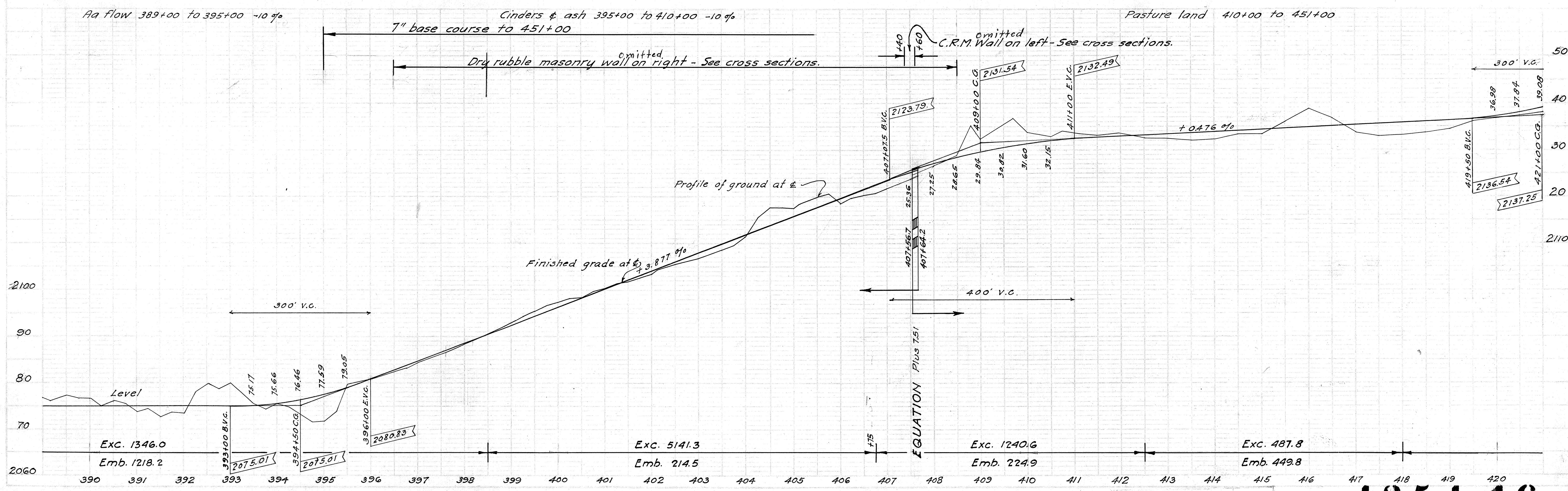
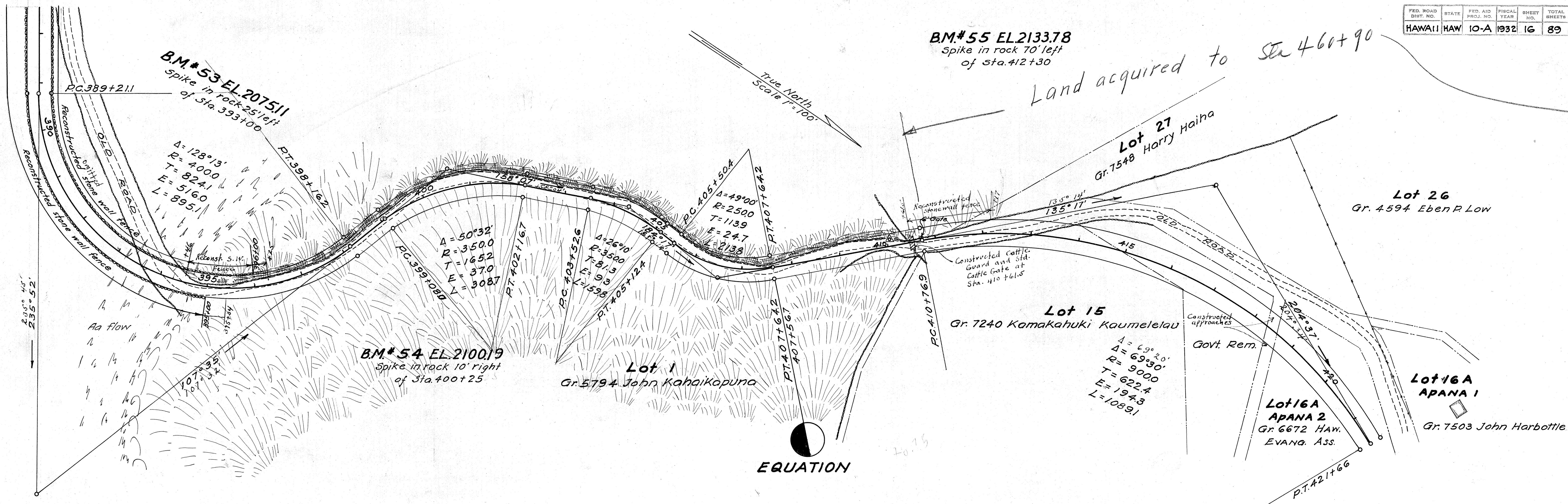
Aa flow 361+00 to 371+00 -10%

Pahoehoe flow 371+00 to 389+00 +20%

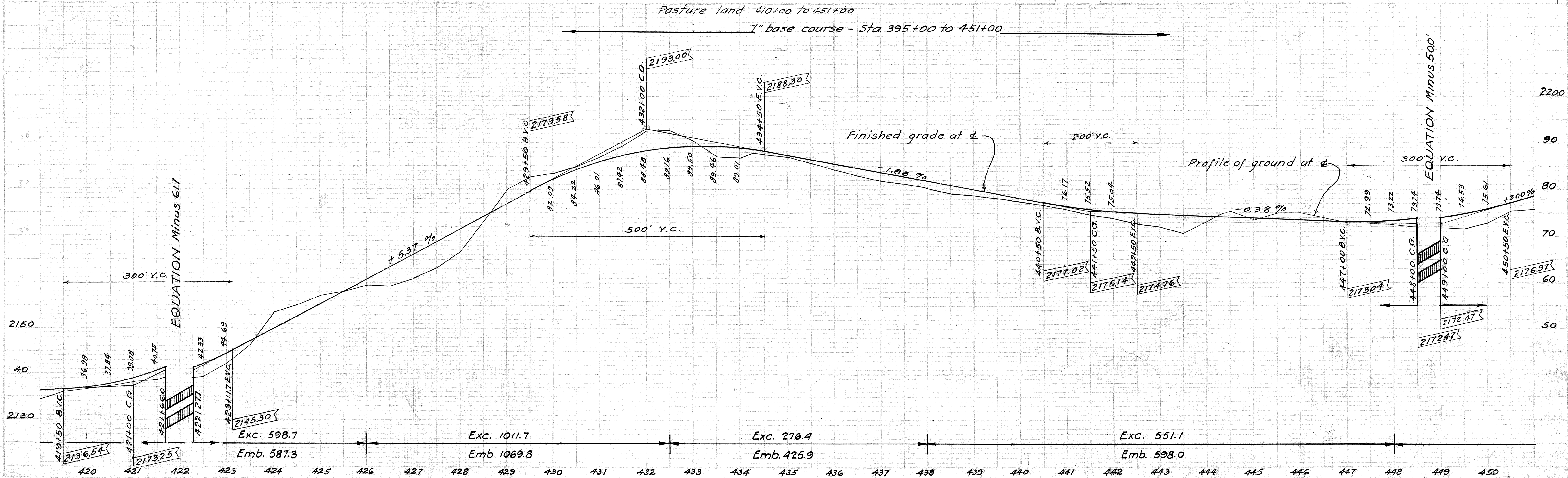


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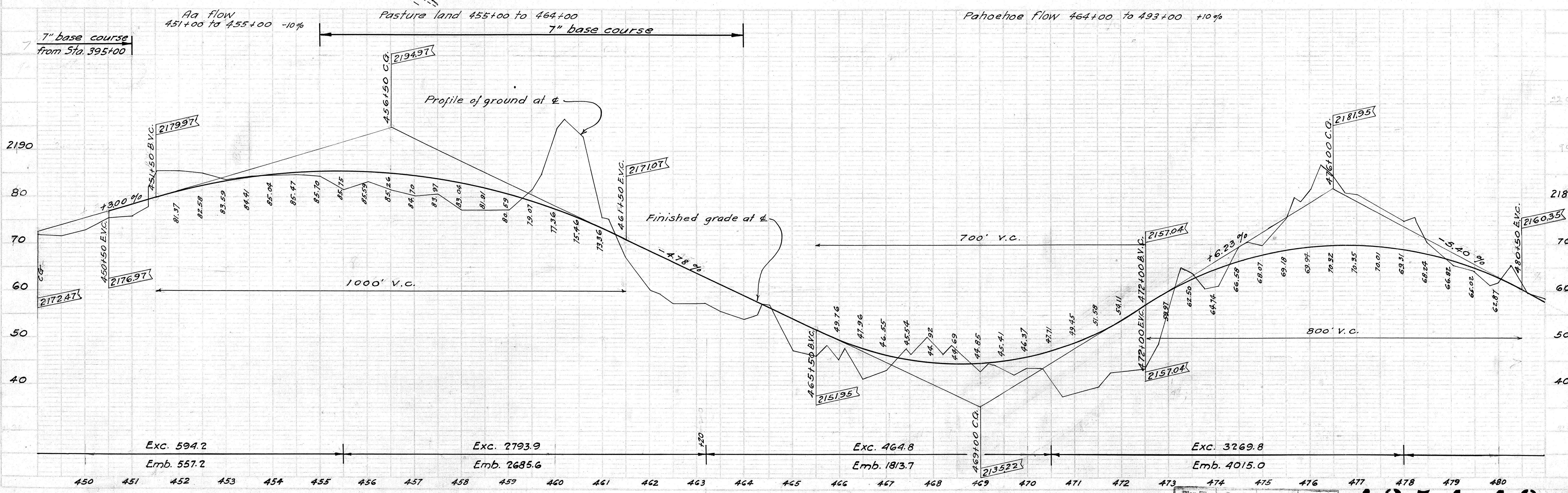
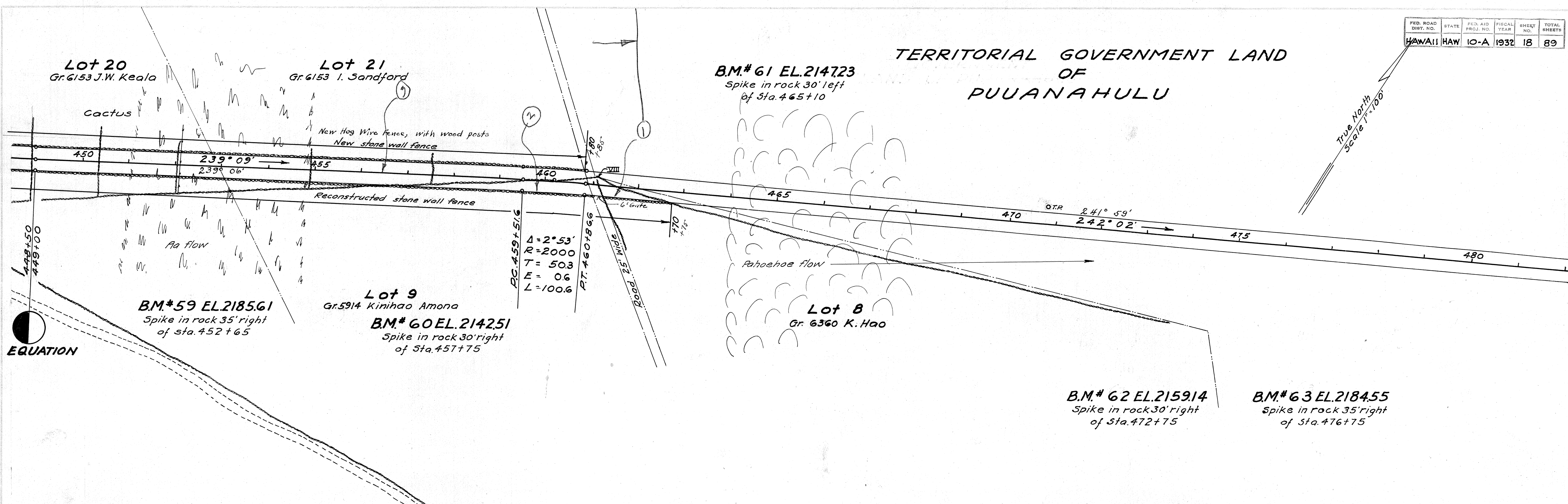




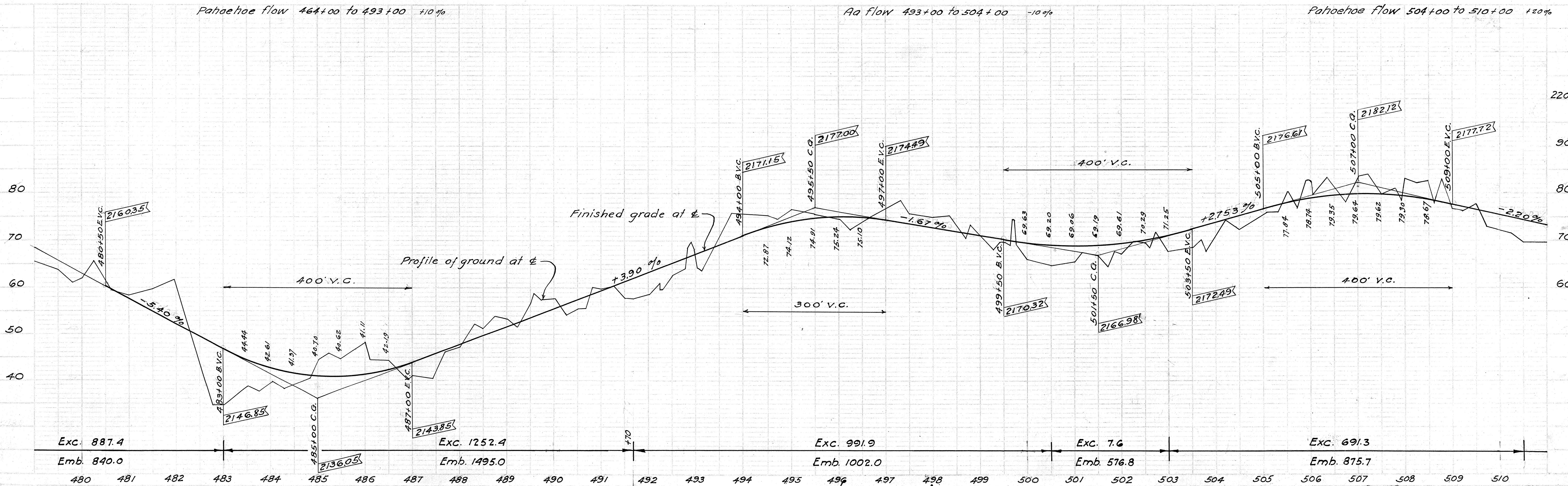
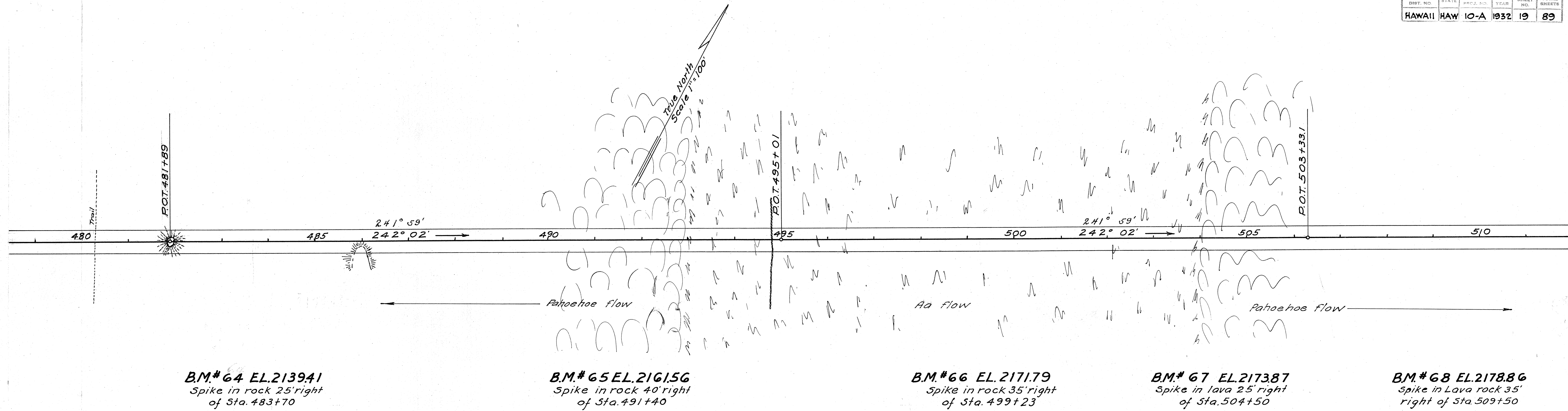


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | 10-A               | 1932        | 18        | 89           |

# TERRITORIAL GOVERNMENT LAND OF PUUANAHULU





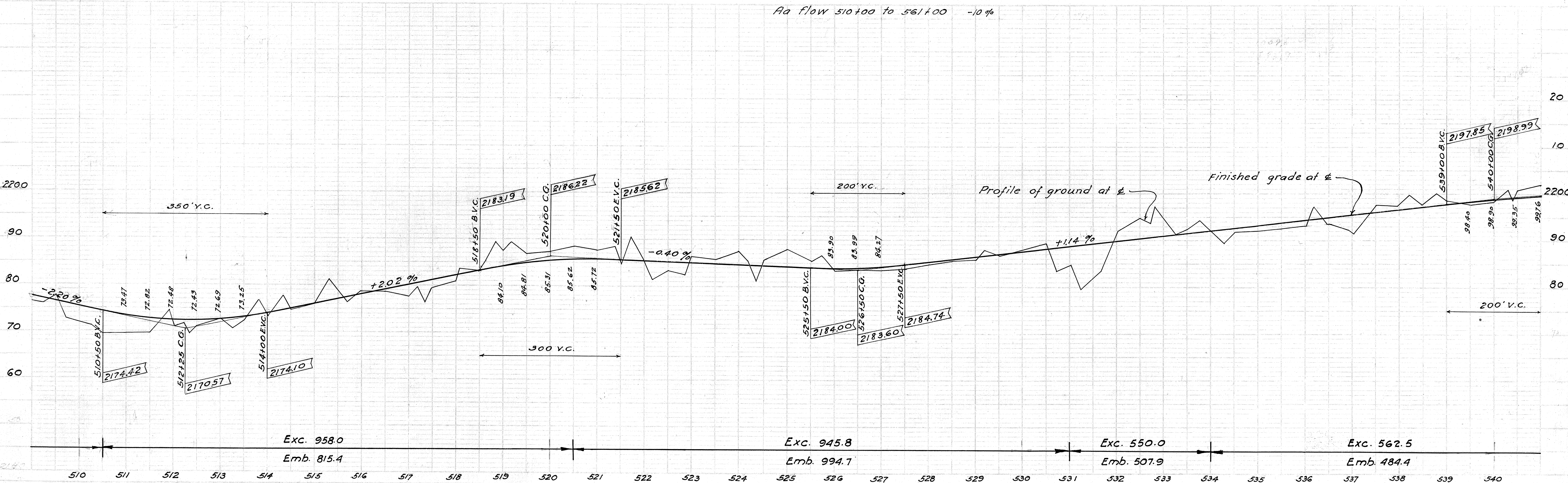
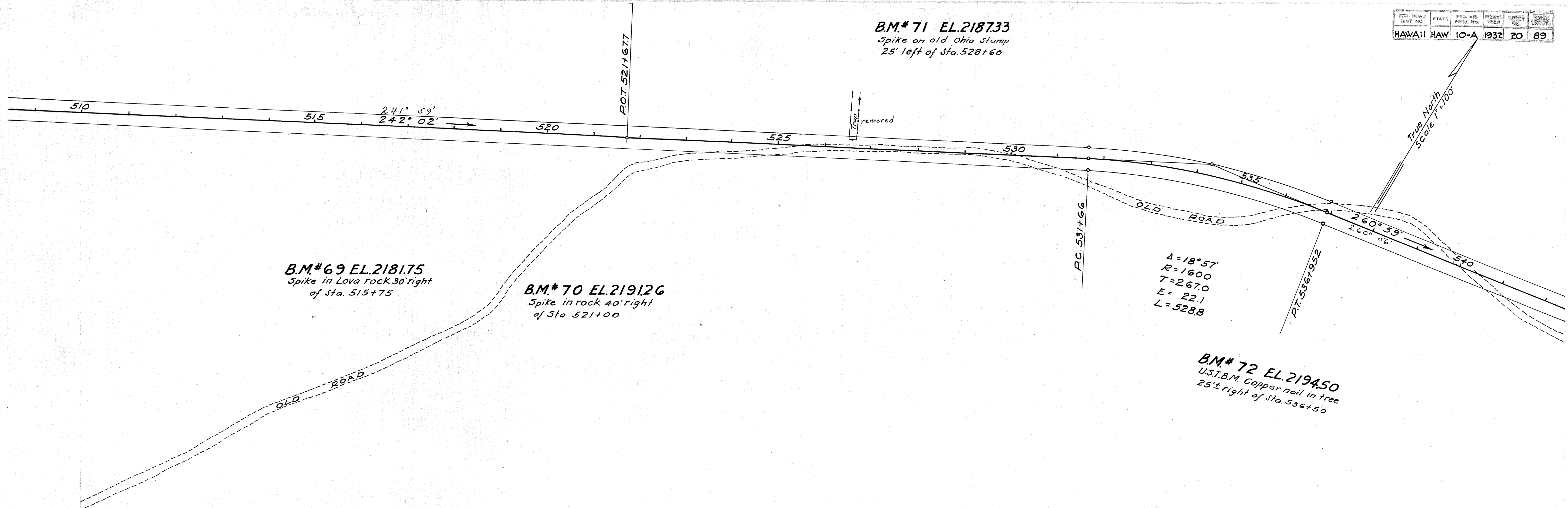




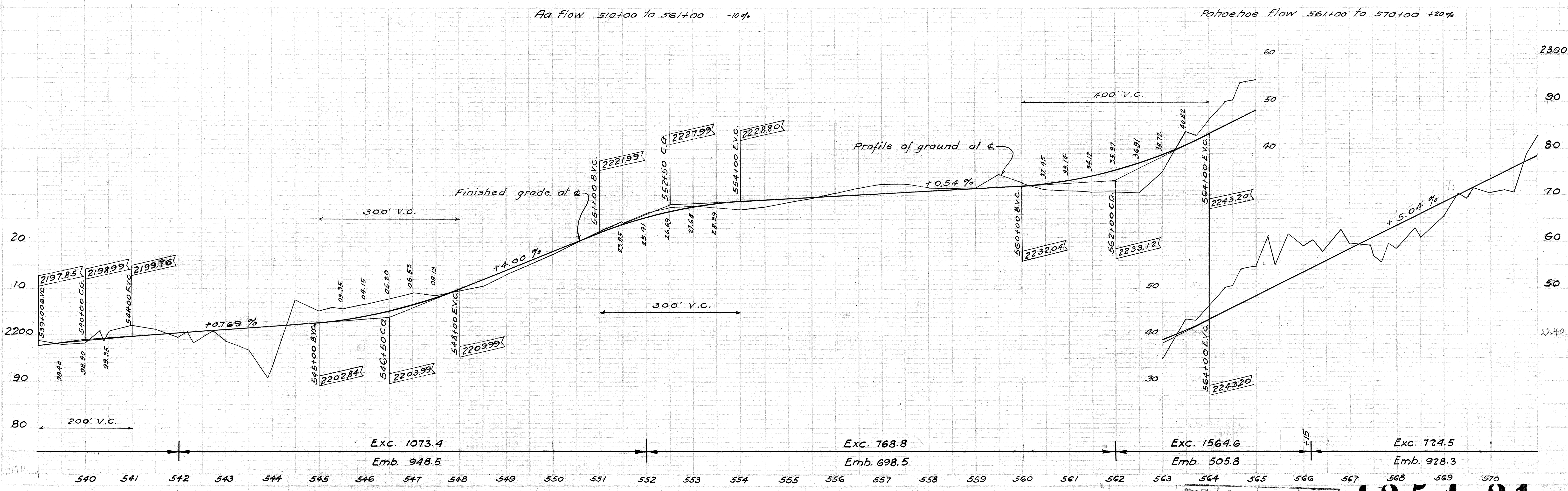
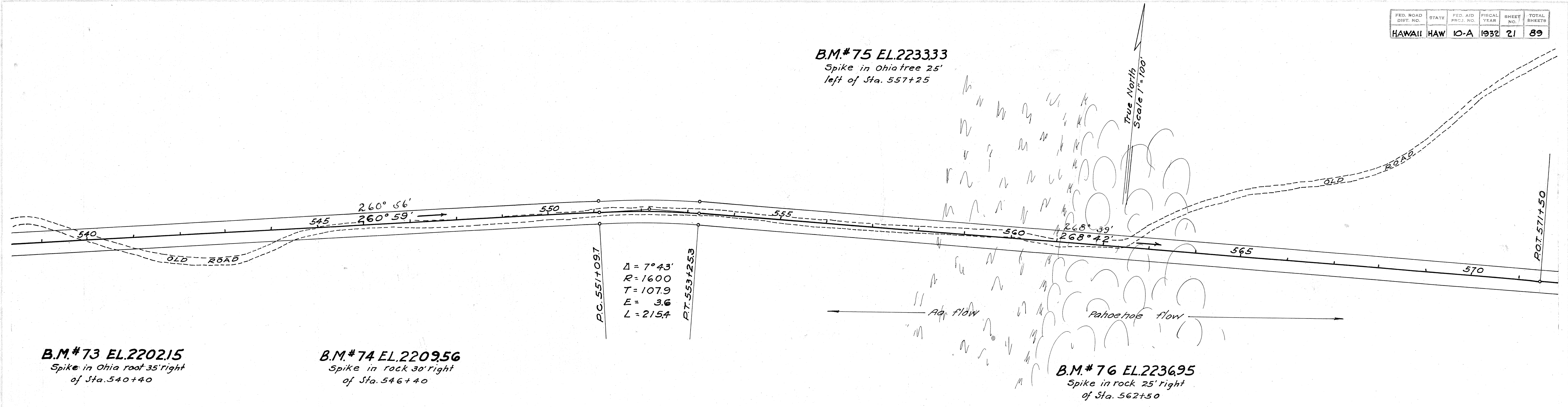
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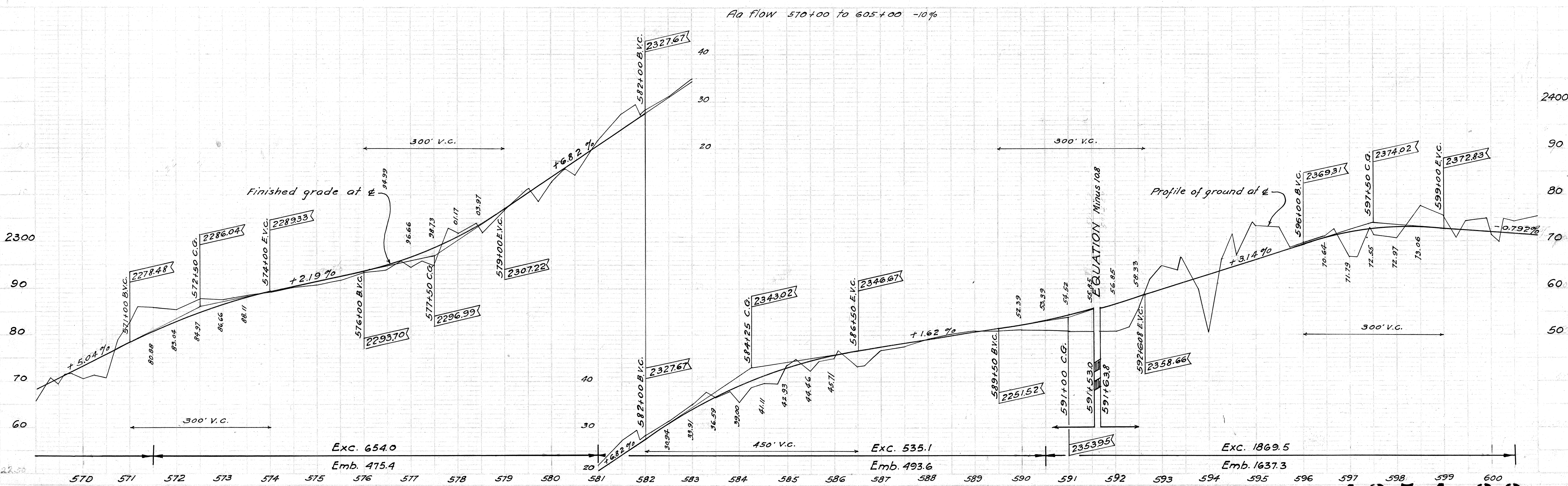
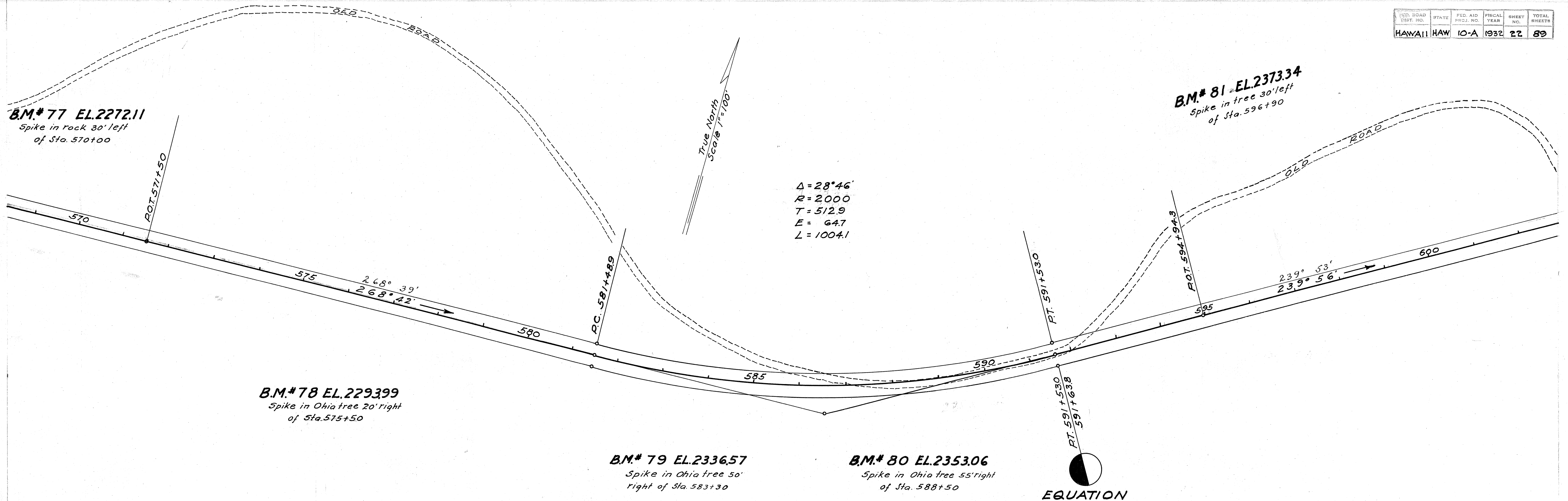
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FED. YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-----------|-----------|--------------|
| HAWAII              | HAW.  | 10-A               | 1932      | 20        | 89           |













| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW   | 10-A               | 1932        | 23        | 89           |

**B.M.#82 EL.2366.75**

Spike in rock 50' left of Sta. 607+00

**B.M.#83 EL.2369.10**

Spike in rock 250' left of Sta. 615+10 ±

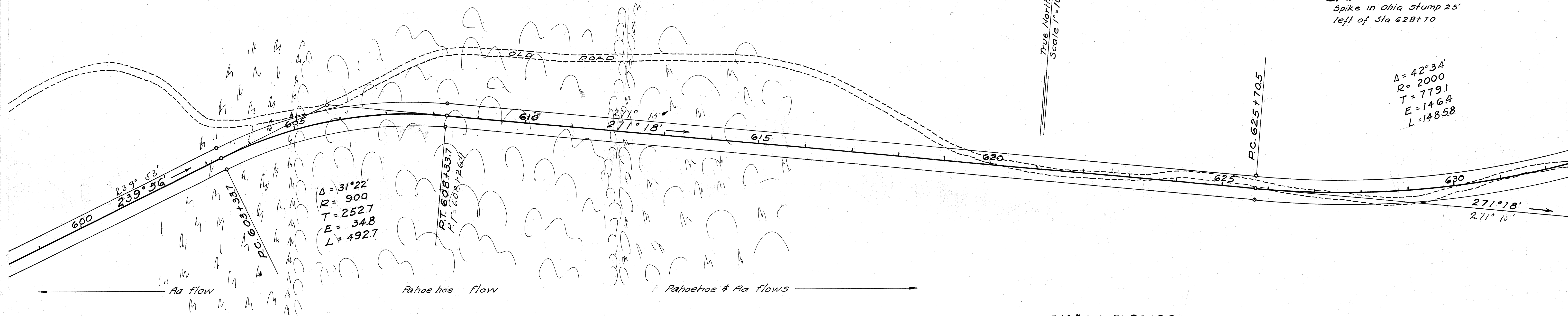
**B.M.#85 EL.2382.63**

Spike in Ohia stump 25' left of Sta. 628+70

$\Delta = 42^{\circ}34'$   
 $R = 2000$   
 $T = 779.1$   
 $E = 146.4$   
 $L = 1485.8$

**B.M.#84 EL.2369.87**

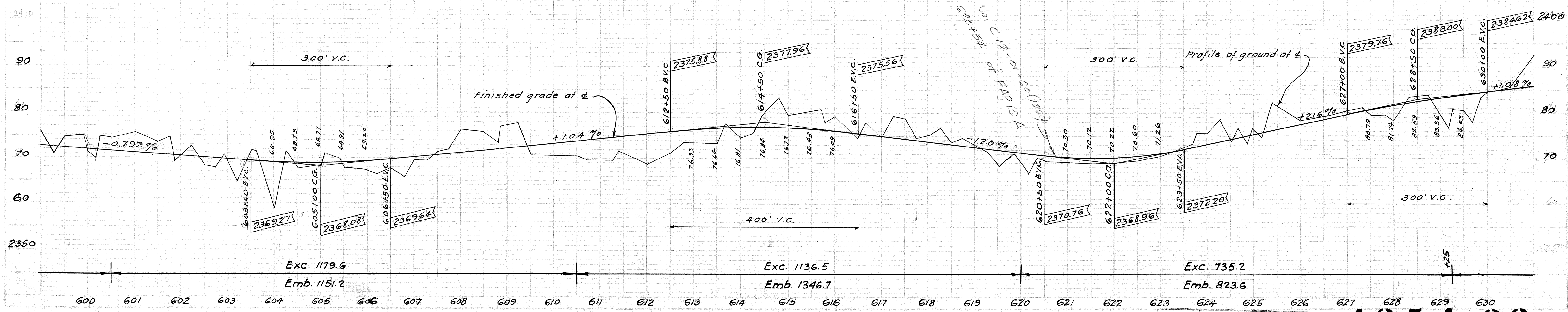
Spike in rock 45' right of Sta. 622+65



Aa flow 570+00 to 605+00 -10%

Pahoehoe flow 605+00 to 612+00 +20%

Pahoehoe & Aa flows 612+00 to 636+00 +10%



| Plan File No. | Packet No. | Folio No. | Plan No. |
|---------------|------------|-----------|----------|
| 6             | 9          | 3         |          |

**4254.23**



