

WELLS

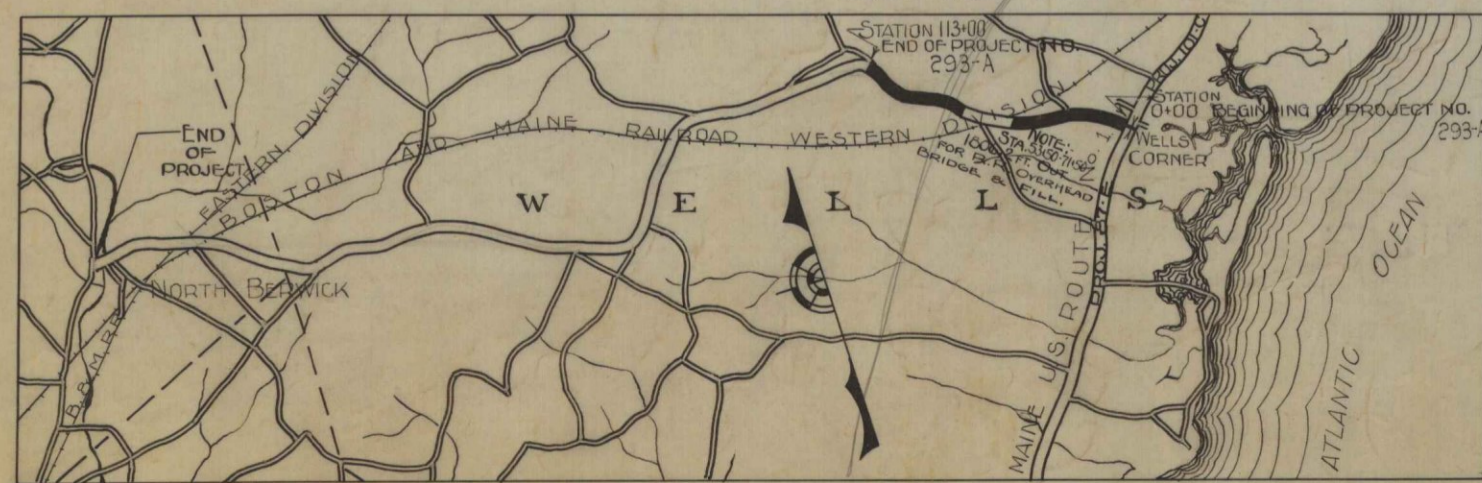
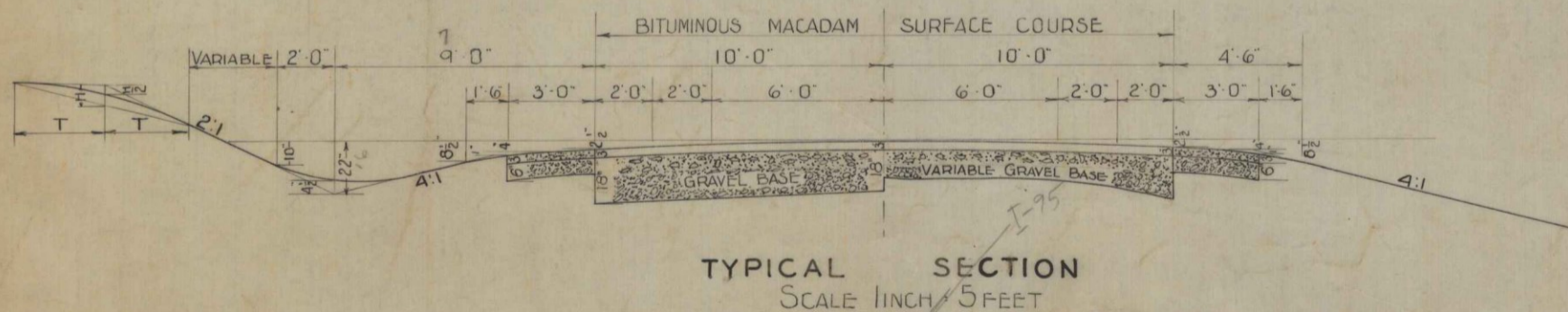
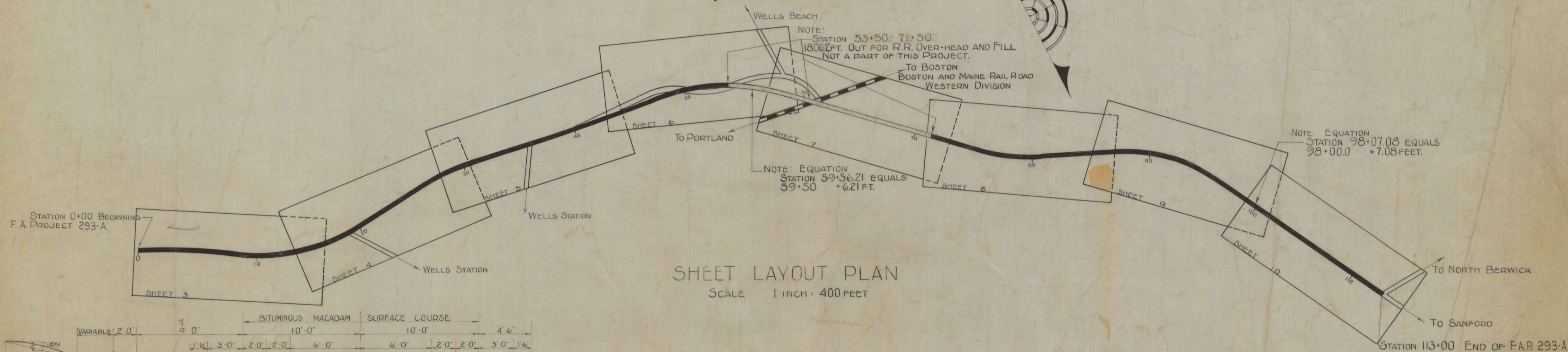
STATE OF MAINE
STATE HIGHWAY COMMISSION

PLAN AND PROFILE
STATE HIGHWAY "A-SPUR"
WELLS
YORK COUNTY
FEDERAL AID PROJECT NO. 293-A

CONVENTIONAL SIGNS	
STATE OR NATIONAL LINE	-----
COUNTY LINE	-----
TOWN LINE	-----
UNFENCED PROPERTY	-----
FENCE	-----
RIGHT OF WAY LINE	-----
TRAVELED WAY	-----
RAILROAD	-----
RETAINING WALL	-----
SURVEY LINE	-----
CULVERT	-----
DROP INLET	-----
TROLLEY POLE	-----
POWER POLE	-----
TEL. POLE	-----
MARSH	-----
TREES	-----
STONE WALL	-----

INDEX OF SHEETS		
SHEET No.	1	TITLE PAGE STA. 0+00 — 113+00
SHEET No.	2	TYPICAL SECTIONS
SHEET No.	3-10	PLAN AND PROFILE STA. 0+00 — 113+00
SHEET No.	11-24	CROSS-SECTIONS STA. 0+00 — 113+00
SHEET No.		BRIDGES STA.
SHEET No.		SPECIAL DETAILS

TOTAL LENGTH 1.800 MILES
 PLAN 1 IN. = 50 FT.
 PROFILE HOR. 1 IN. = 50 FT. VER. 1 IN. = 5 FT.
 CROSS SECTIONS 1 IN. = 5 FT.



NOTE: All work contemplated under this contract to be governed by and in conformity with the specifications revised May 1935, except as modified on this plan.

APPROVED:
MAINE STATE HIGHWAY COMMISSION

Paul C. Plummer
CHAIRMAN

Charles S. ...

...

...
CHIEF ENGINEER

APPROVED:
U. S. BUREAU OF PUBLIC ROADS

...
DISTRICT ENGINEER

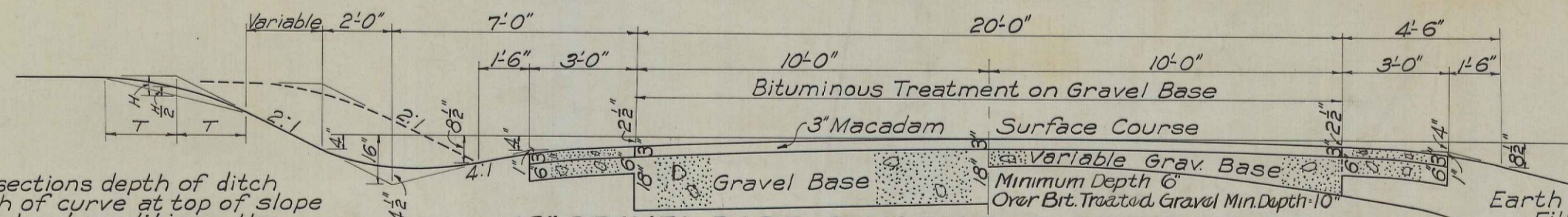
...
CHIEF ENGINEER

...
DIRECTOR

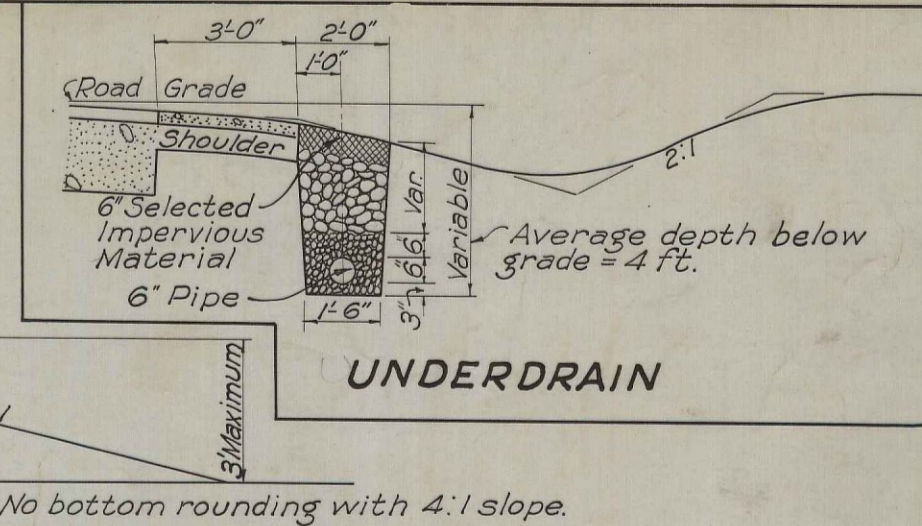
AA-29

BITUMINOUS MACADAM SURFACE COURSE

For all sections depth of ditch and length of curve at top of slope depend on local conditions. Use longest curve practicable, T being 2 ft. min. and 5 ft. max.



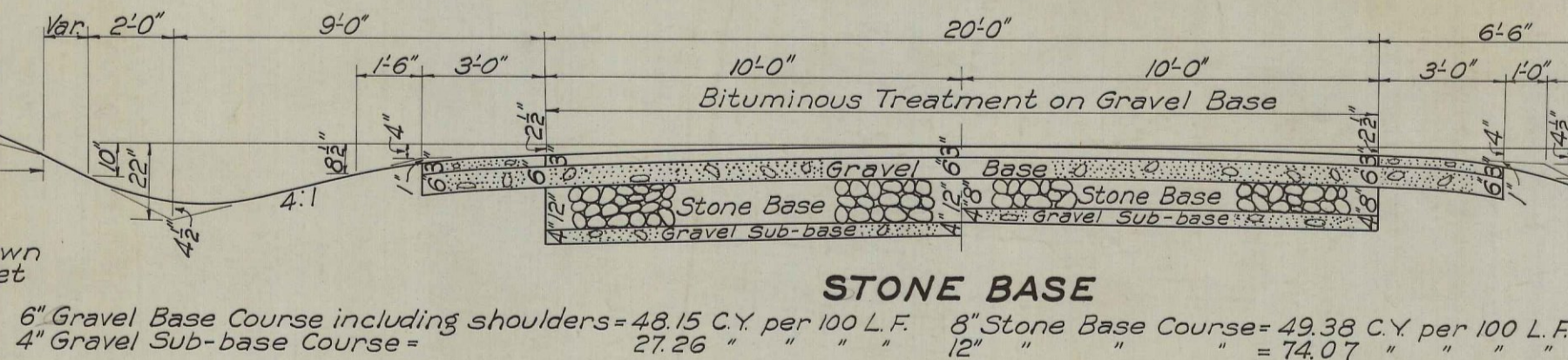
18" GRAVEL BASE & VARIABLE GRAVEL BASE
 3" Macadam Surface Course = 18.52 C.Y. per 100 Lin. Ft.
 3" Grav. Surface Course both shoulders = 5.56 " " " "
 6" Grav. Base = 11.11 " " " "



UNDERDRAIN

No bottom rounding with 4:1 slope.

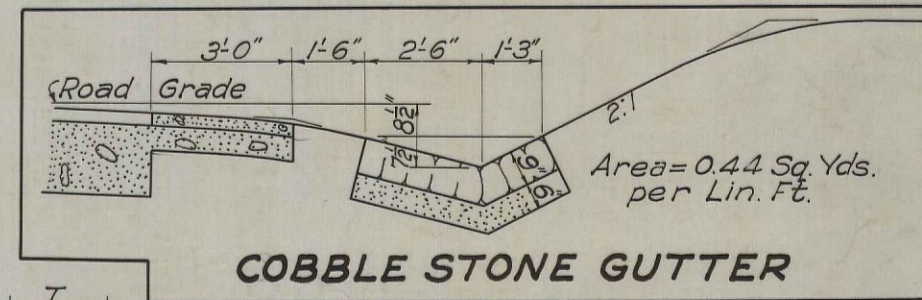
Depth of bases as shown may be changed to meet local conditions.



STONE BASE

6" Gravel Base Course including shoulders = 48.15 C.Y. per 100 L.F.
 4" Gravel Sub-base Course = 27.26 " " " "
 3" Stone Base Course = 49.38 C.Y. per 100 L.F.
 12" " " " = 74.07 " " " "

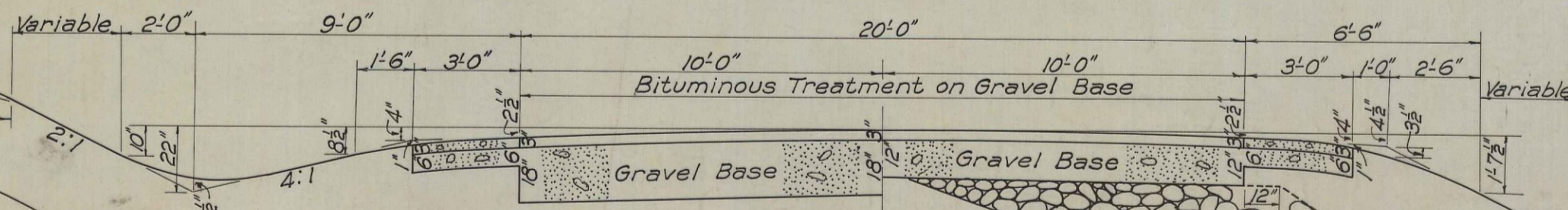
Round bottom of 2:1 slope, T being 2' min. and 4' max.



COBBLE STONE GUTTER

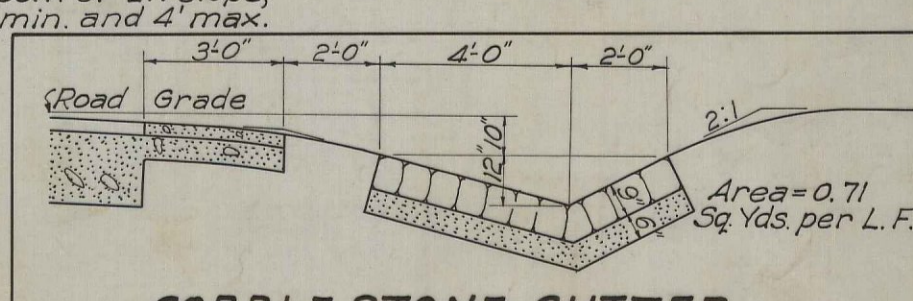
Area = 0.44 Sq. Yds. per L.F.

Where a 2:1 slope is not practicable, use a 1 1/2:1 slope in cuts. Construct berm ditch where needed.



GRAVEL BASE & STONE FILL

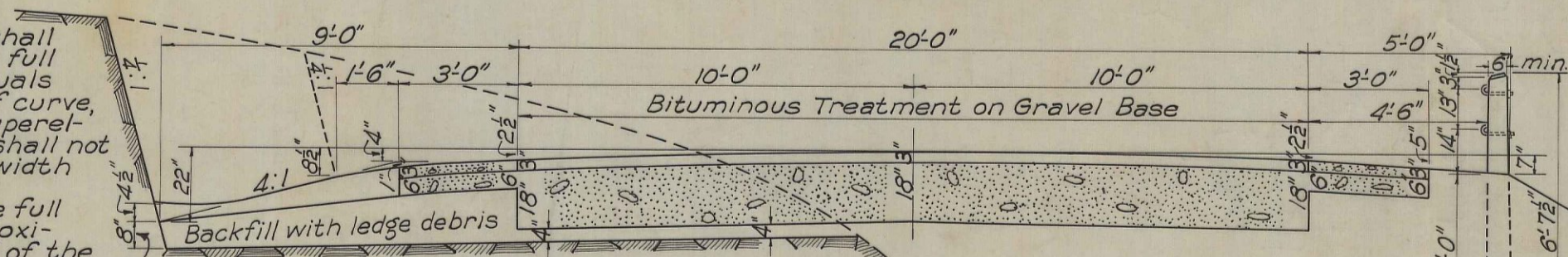
12" Gravel Base Course including shoulders = 87.76 C.Y. per 100 L.F.
 15" " " " = 106.28 " " " "
 18" Grav. Base inc. shoulders = 124.79 C.Y. per 100 L.F.
 24" " " " = 161.83 " " " "



COBBLE STONE GUTTER

Area = 0.71 Sq. Yds. per L.F.

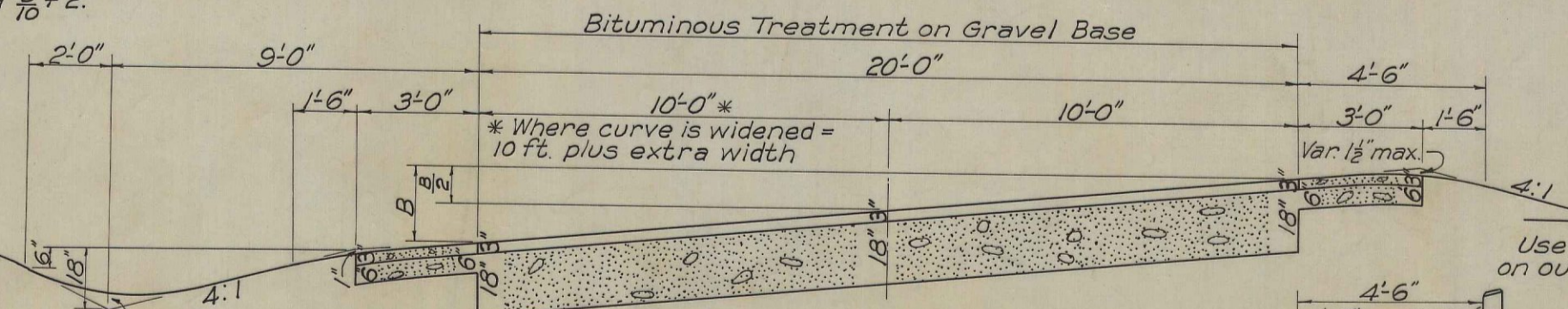
Curves of 2° or more shall be superelevated. B, the full bank for 20 ft. width, equals 2 times D, the degree of curve, with a minimum of 5' super-elevation. Maximum bank shall not exceed 1 inch per foot width of pavement.
 All curves shall have full super-elevation at approximately the P.C. and P.T. of the curve with a transition of 150 ft. unless otherwise specified.



LEDGE & GUARD RAIL

Backfill with ledge debris
 4" for 8" Gravel Base
 4" " 12" " "
 5" " 15" " "

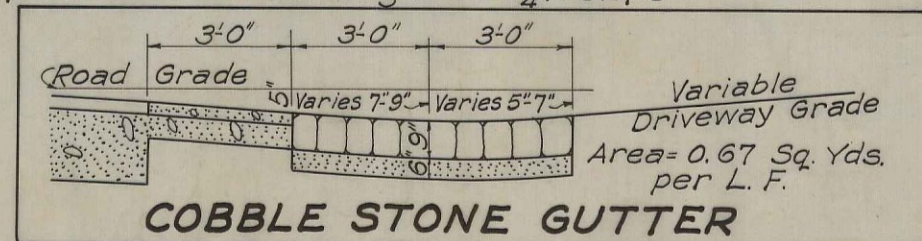
Curves of 6° or more shall be widened. The extra width expressed in feet is given by formula $\frac{D}{10} + 2$.
 Widening and super-elevating may be limited by unusual conditions.



WIDENED & SUPERELEVATED

6" Gravel Base Course inc. shoulders = 48.15 C.Y. per 100 L.F.
 12" " " " " = 85.19 " " " "
 15" " " " " = 103.70 " " " "
 18" " " " " = 122.22 " " " "
 24" " " " " = 159.26 " " " "
 12" Stone Base Course = 74.07 C.Y. per 100 L.F.
 18" " " " = 111.11 " " " "
 4" Grav. Sub-base = 24.69 " " " "

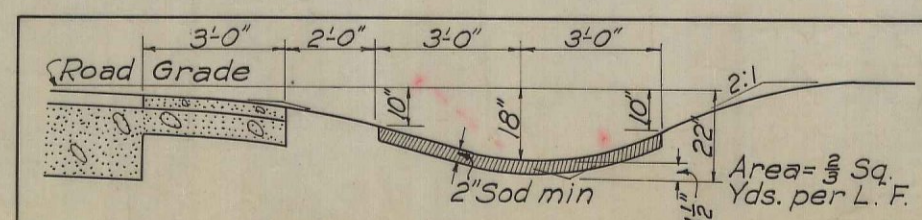
No top nor bottom rounding with 1 1/2:1 slope



COBBLE STONE GUTTER

Area = 0.67 Sq. Yds. per L.F.

Use only 4:1 slope or guard rail on outside of super-elevated curve.



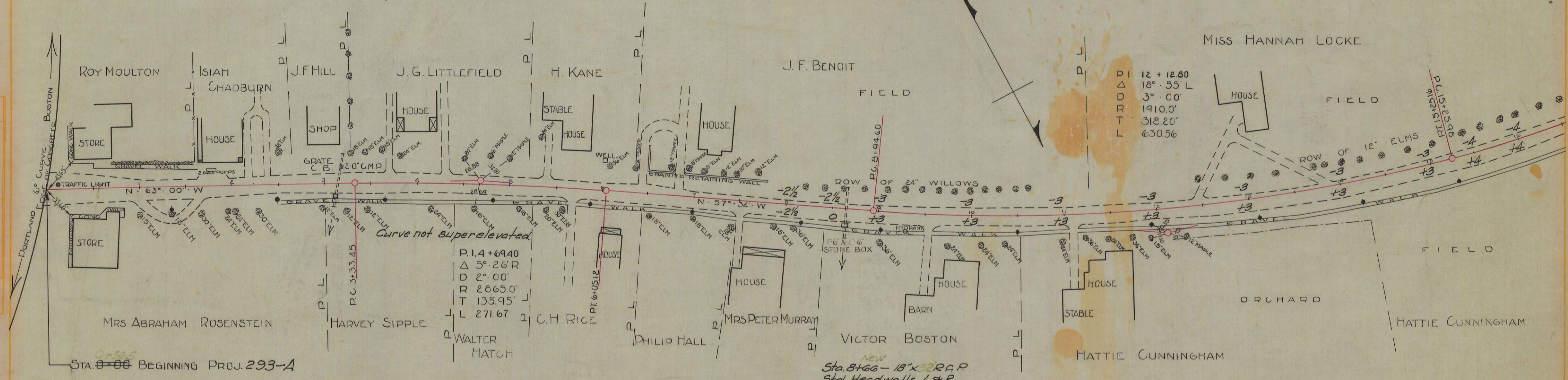
SODDED GUTTER

Area = 3 Sq. Yds. per L.F.

FINAL		
ESTIMATED QUANTITIES		
ITEM	DESCRIPTION	QUANTITY UNIT
11	Clearing and Grubbing	1.54 Acres.
12-A	Earth Excavation	7535 C.Y.
12-B	Rock Excavation	1984 C.Y.
12-C	Trees Removed	5 Each.
13	Excavation for Structures	427 C.Y.
17-A	Common Borrow	2388 C.Y.
23	Gravel Base Course	12,735 C.Y.
27	Gravel Surface Course	597 C.Y.
29-A	Bit. Mac. Surface Course	1752 C.Y.
29-B	Emul. Asph. furnished and Applied	58,018 Gals.
35-B	Class "B" Concrete	28.3 C.Y.
36	Steel reinf. for Conc. Structures	100 lbs.
38	Cement Rubble Masonary	12.5 C.Y.
40-A	12" C.M.P.	344 L.F.
40-B	15" C.M.P.	30 L.F.
43-B	15" R.C.P.	36 L.F.
43-C	18" R.C.P.	176 L.F.
43-D	24" R.C.P.	60 L.F.
45-A	Drop Inlets	3 Each.
51-A	Wire Cable Guard Rail	1661 L.F.
51-B	Anchorage for W.C.G.R.	22 Each.
52	Loam	458 C.Y.
55	Bituminous Treatment	14,412 Gals.

Sta. 3+14 New 24" x 40" R.C.P.
 Std. Headwall R. - L. Headwall L.
 Drop Inlets R & L.

PLAN
 E.S. METCALF 12-34
 FOSTER 1-35
 A-3p-2



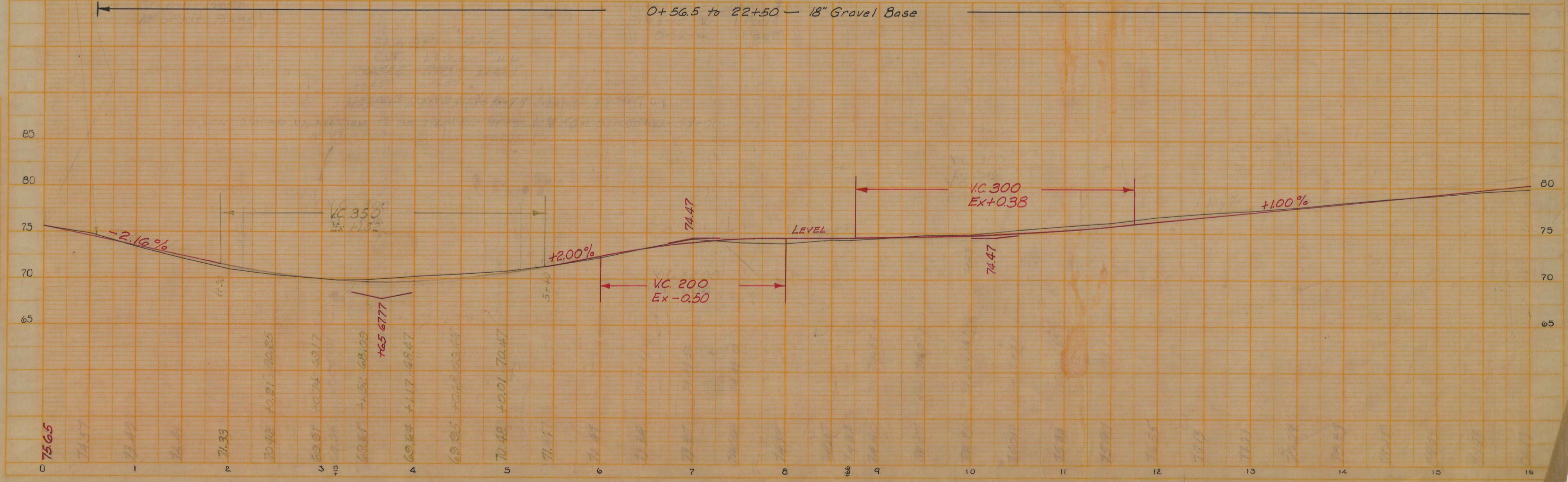
Curve not super-elevated.
 P.I. 4+6940
 Δ 5° 26' R
 D 2° 00'
 R 2865.0'
 T 135.95'
 L 271.67'

PI 12+12.80
 Δ 18° 55' L
 D 3° 00'
 R 1910.0'
 T 318.20'
 L 630.56'

NEW
 Sta. 8+66 - 18" x 52" R.C.P.
 Std. Headwalls L & R.
 Drop Inlet R.

PROFILE
 E.S. METCALF 12-34
 METCALF FOSTER 1-35
 A-3p-4

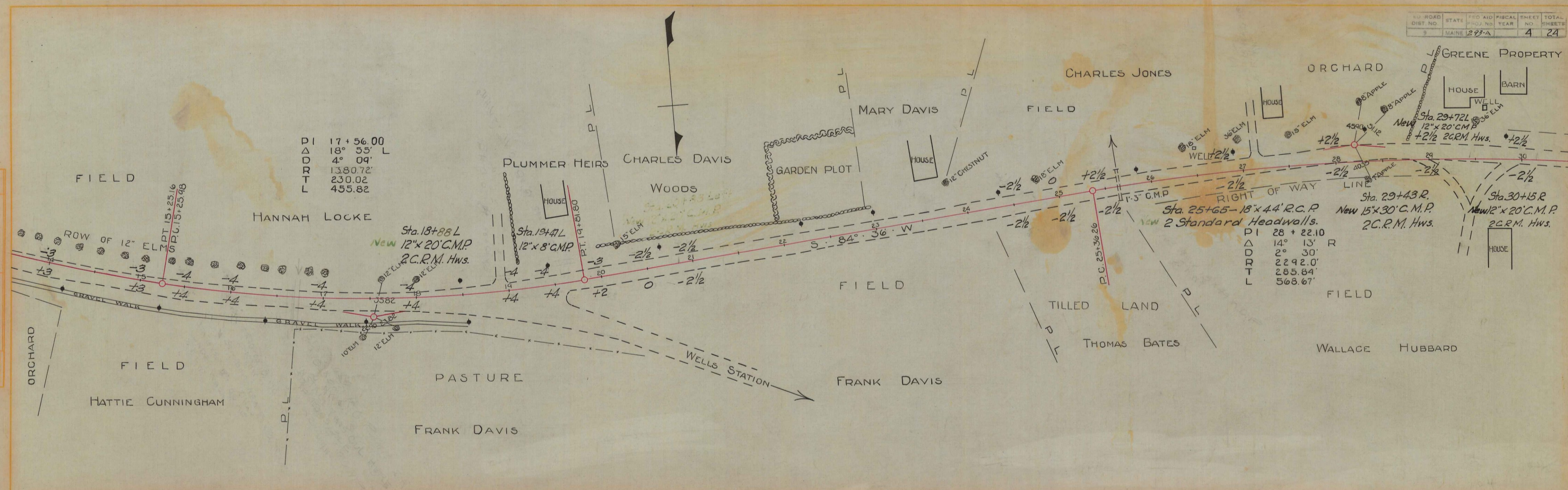
0+56.5 to 22+50 - 18" Gravel Base



ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	MAINE	297-A		4	24

E.S. METCALF
LIBBY 1-35
FOSTER
PLM
NOTE BOOK
MA 3p-2

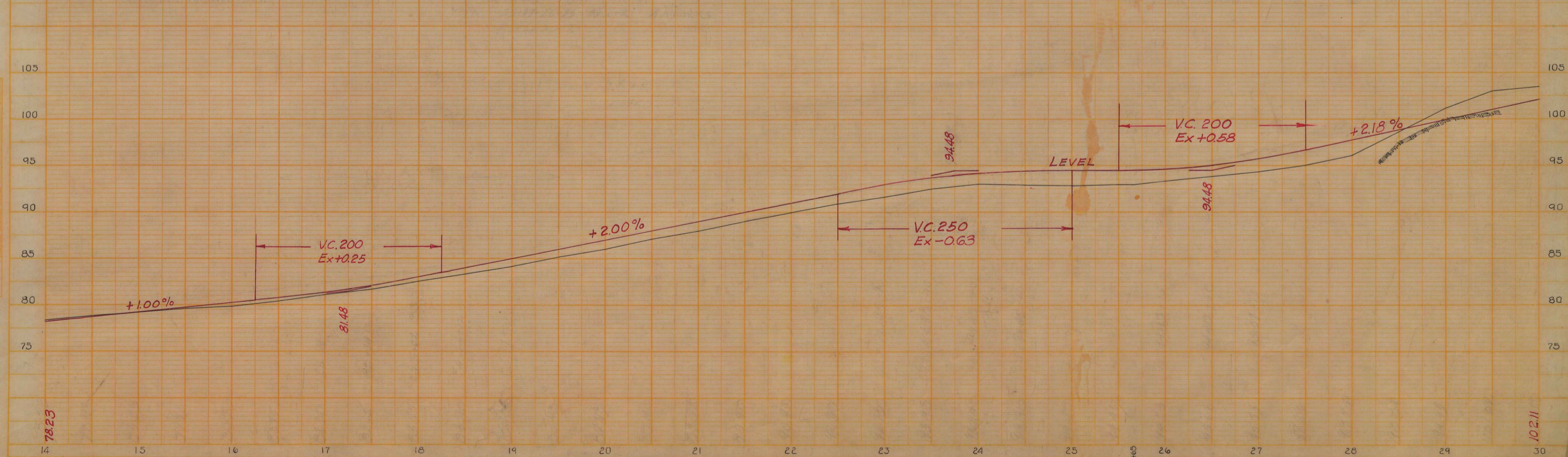
E.S. METCALF
METCALF
FOSTER 1-35
NOTE BOOK
MA 3p-4



PI 17+56.00
Δ 18° 55' L
D 4° 09'
L 230.02
L 455.82

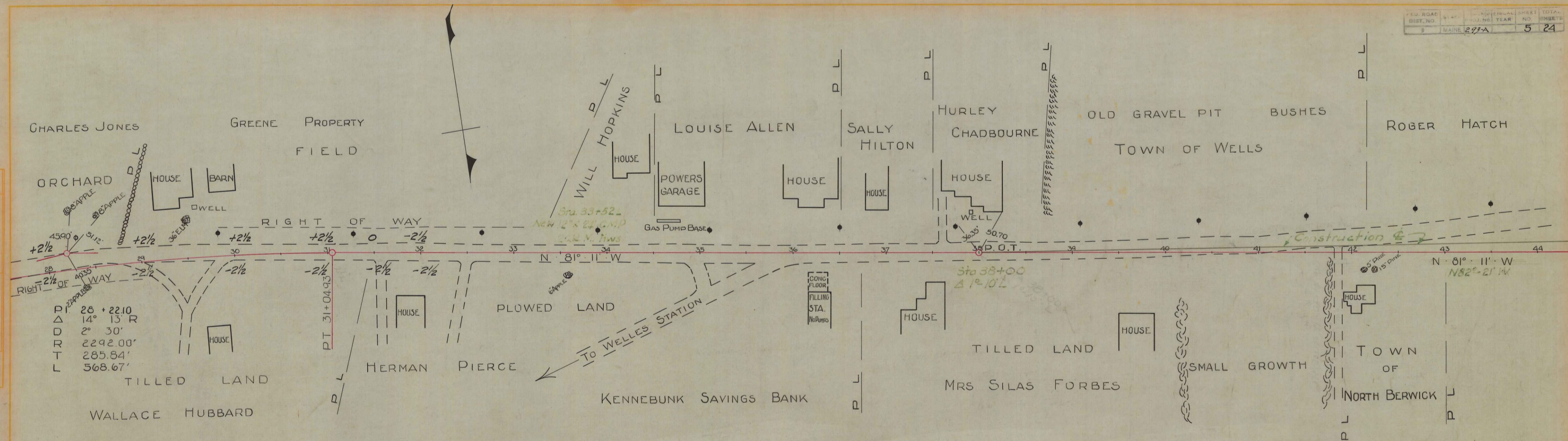
PI 28+22.10
Δ 14° 13' R
D 2° 30'
L 2292.0'
L 285.84'
L 568.67'

0+56.5 to 22+50 - 18" Gravel Base 22+50 to 27+50 - Variable Gravel Base 27+50 to 34+0 - 18" Gravel Base

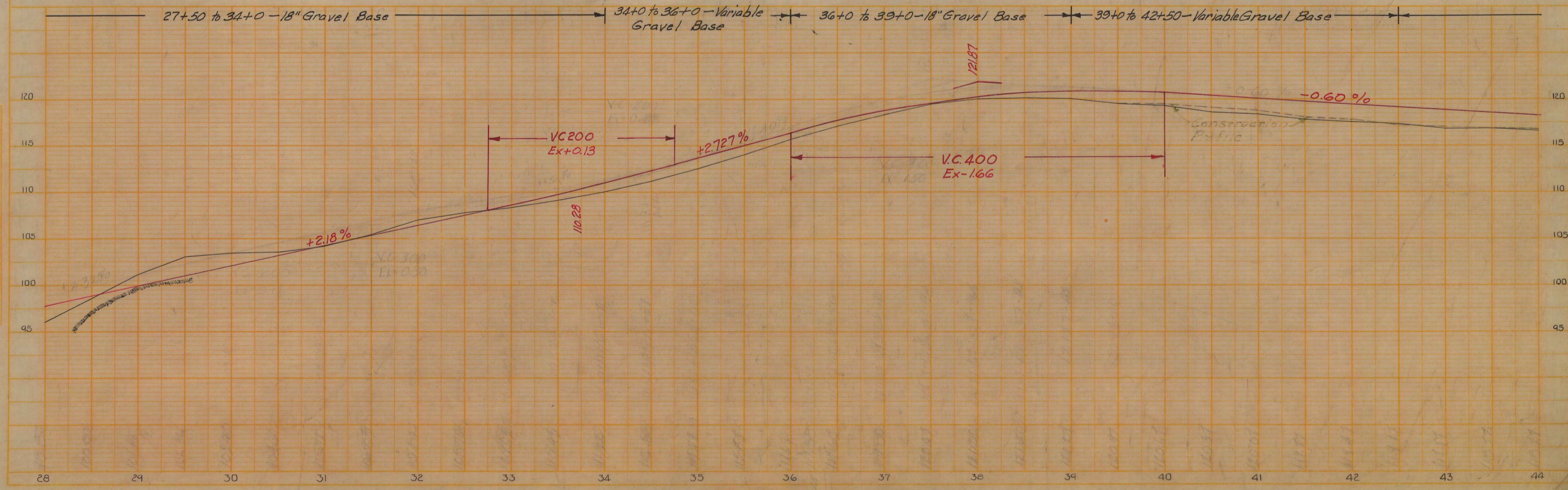


JULY 4-65

E.S. METCALF
 LIBBY
 FOSTER
 12-34
 1-35
 A-3-2

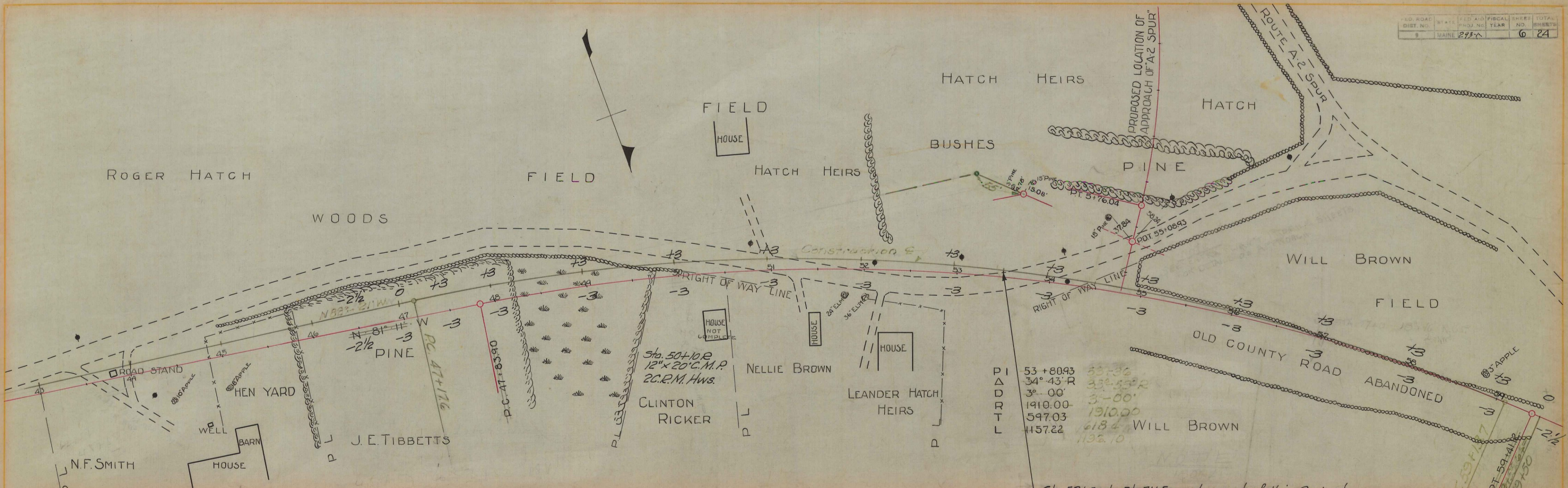


E.S. METCALF
 METCALF
 FOSTER
 12-34
 1-35
 A-3-4



PLAN
 E.S. METCALF
 LIBBY 12.34
 FOSTER 1.35
 A.30-2

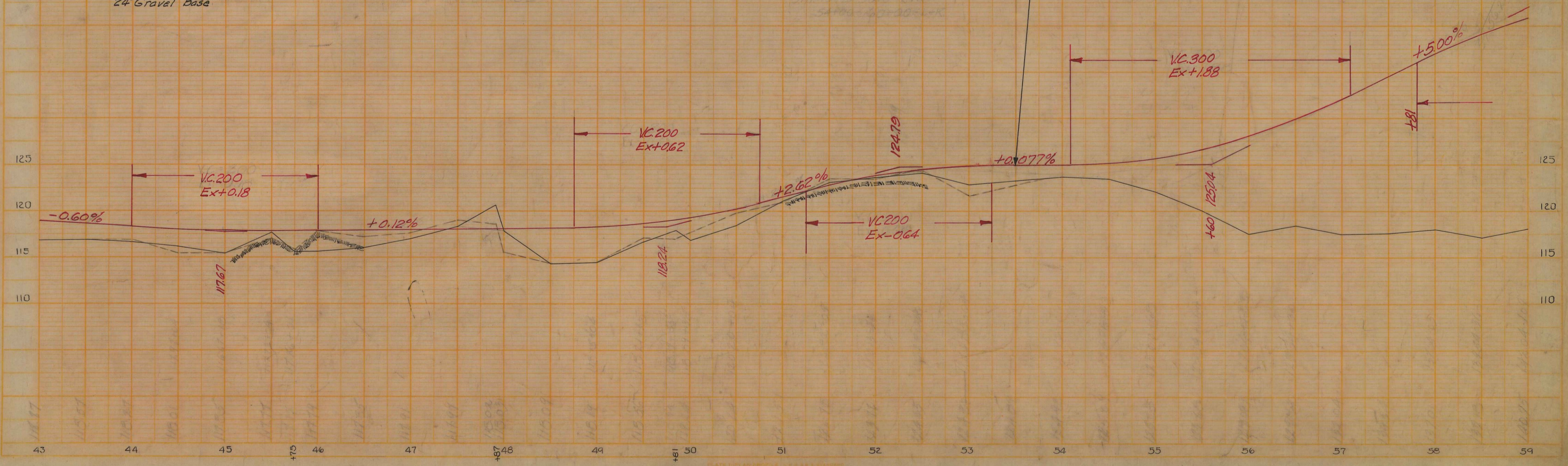
PROFILE
 E.S. METCALF
 LIBBY 12.34
 METCALF
 FOSTER 1.35
 A.30-4



PI	53+80.93	337.36
Δ	34° 43' R	332.352
D	3° 00'	3'-00"
R	1910.00	1910.00
T	597.03	618.4
L	1157.22	1132.10

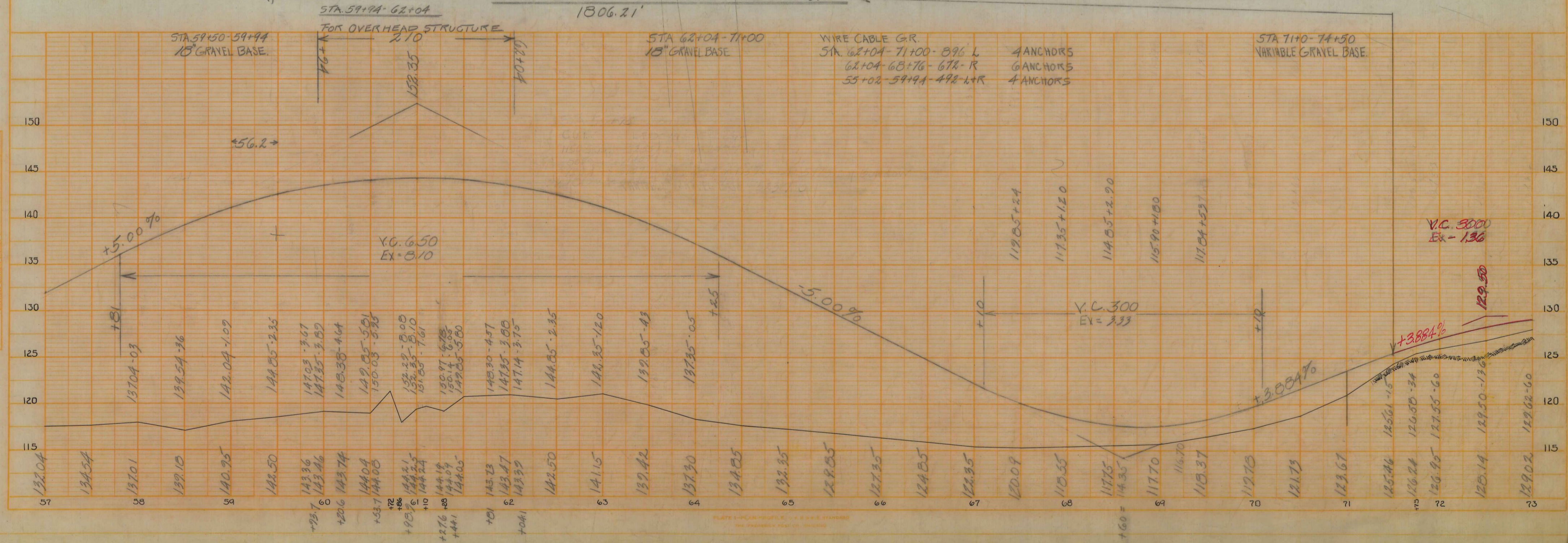
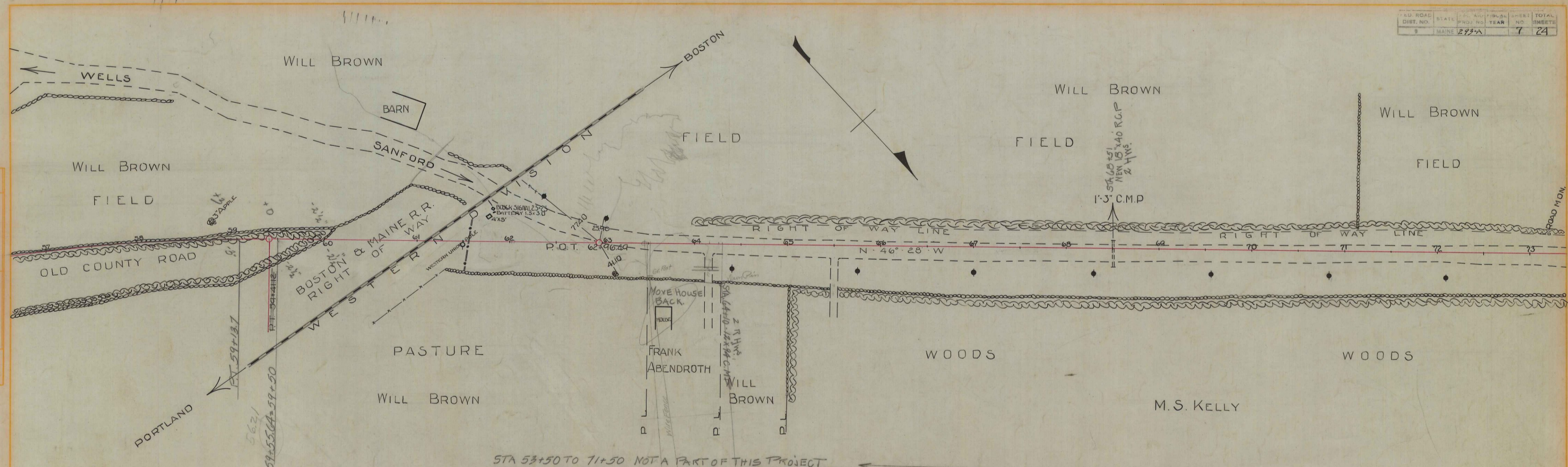
42+50 to 45+50 - 24" Gravel Base
 45+50 to 53+50 - 18" Gravel Base

Sta. 53+50 to Sta. 71+50 not a part of this Project



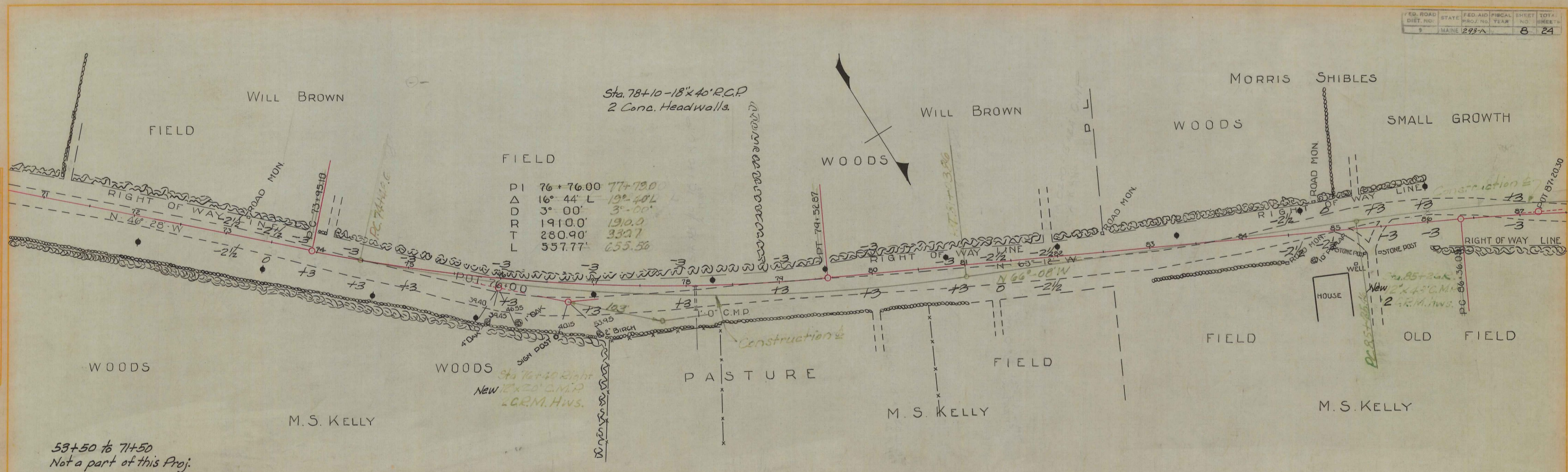
PLAN
 DRAWN BY: E.S. METCALF
 CHECKED BY: L. L. FOOTE
 DATE: 12-31-34
 SHEET NO. 7 OF 24
 PROJECT: MA-5p-2

PROFILE
 DRAWN BY: E.S. METCALF
 CHECKED BY: L. L. FOOTE
 DATE: 12-31-34
 SHEET NO. 7 OF 24
 PROJECT: MA-5p-4

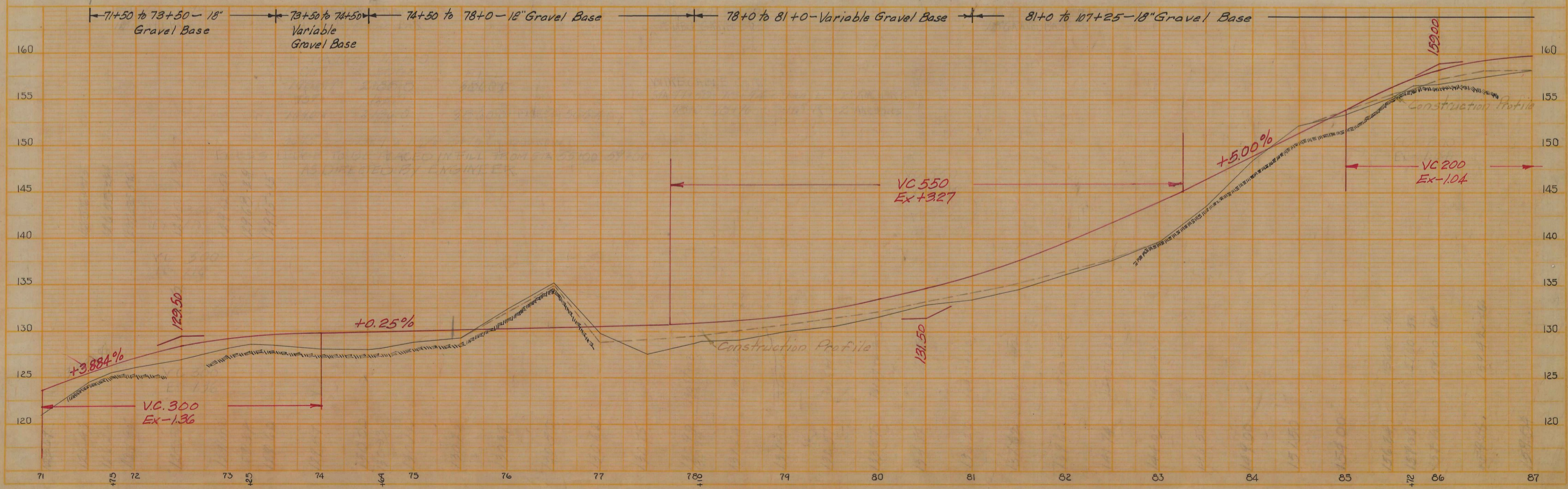


E.S. METCALF
 LIBBY
 FOSTER
 12 34
 1 35
 PLAN
 DATE
 A-5p-2

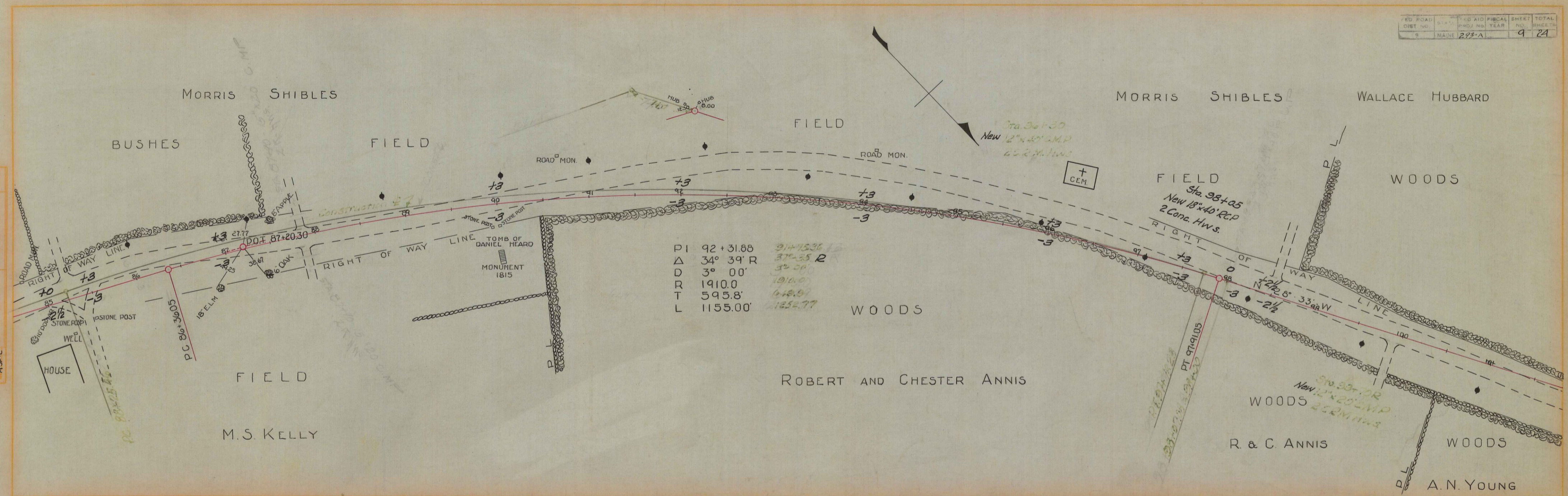
E.S. METCALF
 METCALF
 FOSTER
 12 34
 1 35
 PROFILE
 DATE
 A-5p-4



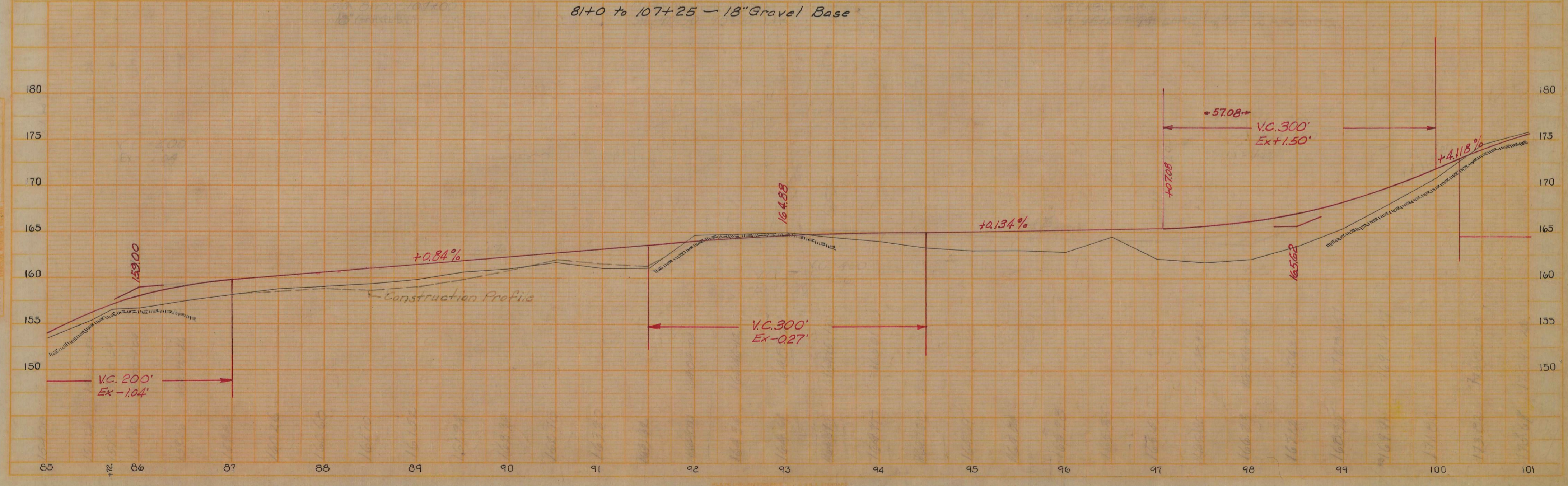
53+50 to 71+50
 Not a part of this Proj.

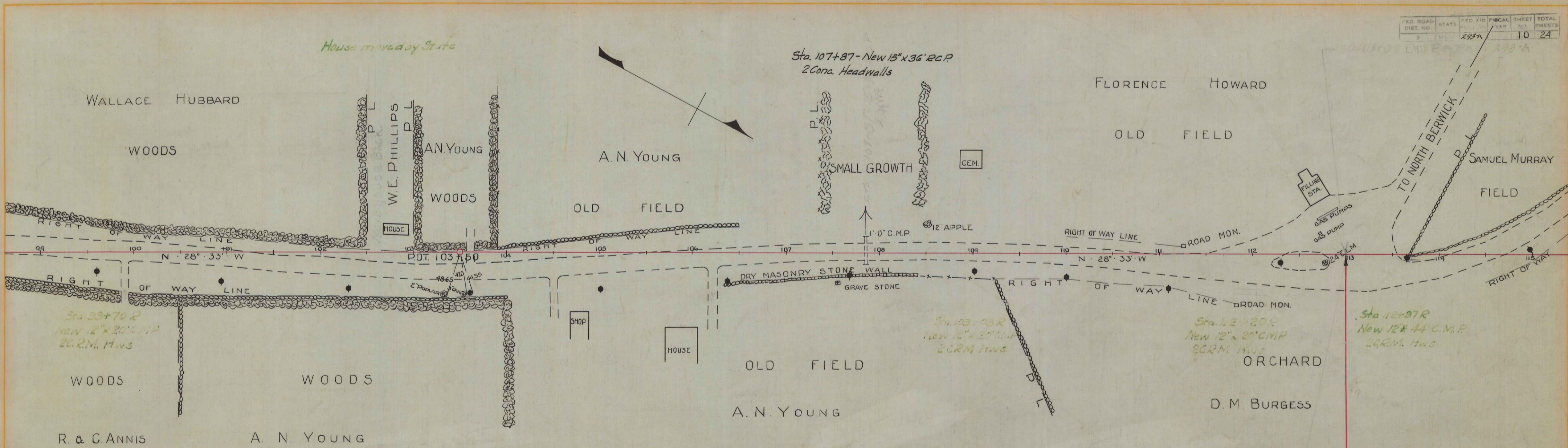


PLAN
 E.S. METCALF
 LIBBY 1-35
 A-3p-2

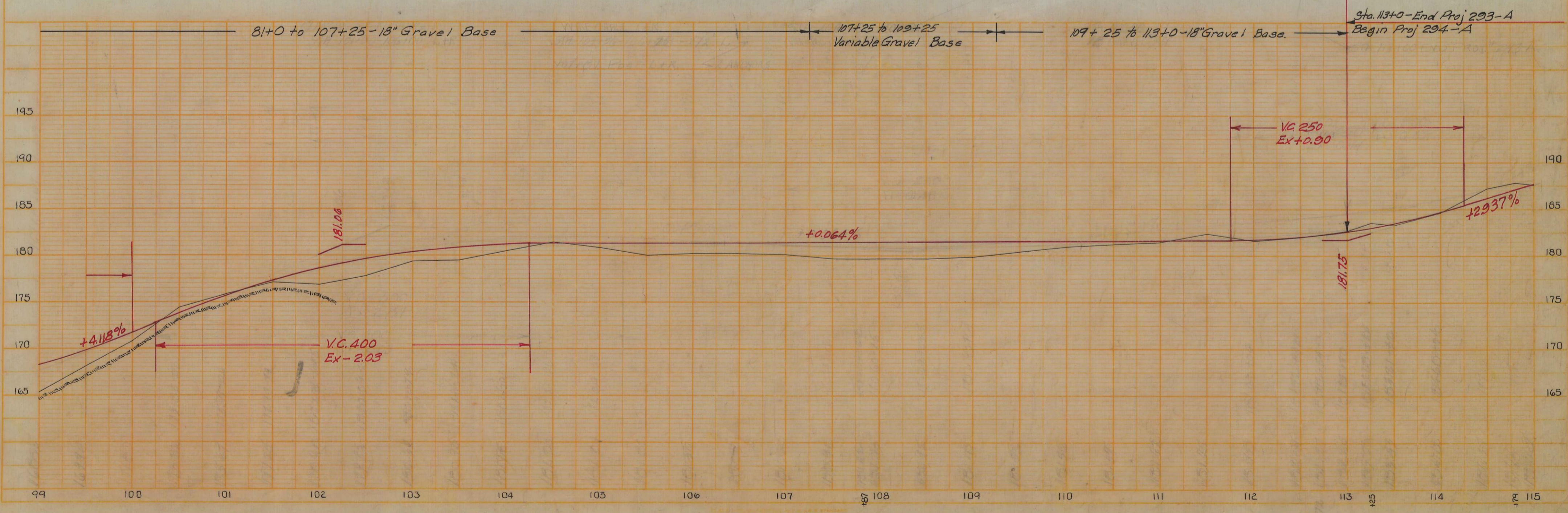


PROFILE
 E.S. METCALF
 METCALF 1-35
 A-3p-4





PLAN
 E. S. NIETCALF
 LIBBY
 12-34
 1-35
 NOTE BOOK
 NO. A-3p-2



PROFILE
 E. S. NIETCALF
 NIETCALF
 12-34
 1-35
 NOTE BOOK
 NO. A-3p-4