

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	MAINE	294-A		1	12

WELLS

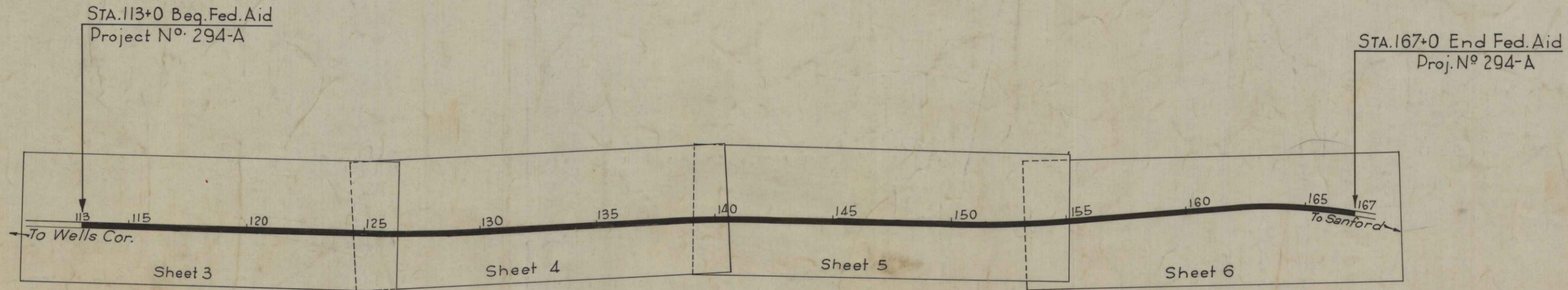
STATE OF MAINE
STATE HIGHWAY COMMISSION

PLAN AND PROFILE
STATE HIGHWAY "A-2"
WELLS
YORK COUNTY
FEDERAL AID PROJECT NO. 294-A

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

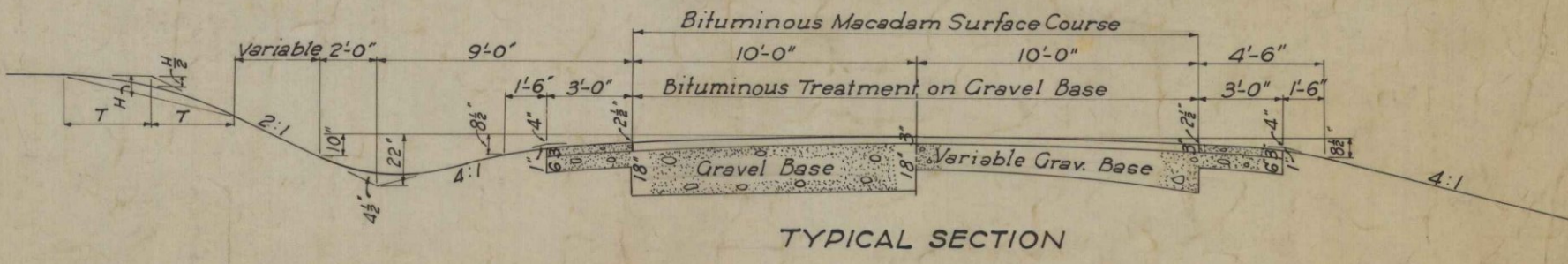
INDEX OF SHEETS		
SHEET NO. 1	TITLE PAGE	STA. 113+0 to 167+0
SHEET NO. 2	TYPICAL SECTIONS	
SHEET NO. 3-6	PLAN AND PROFILE	STA. 113+0 to 167+0
SHEET NO. 6-12	CROSS-SECTIONS	STA. 113+0 to 167+0
SHEET NO.	BRIDGES	STA.
SHEET NO.	SPECIAL DETAILS	

TOTAL LENGTH 1.022 MILES
 SCALES { PLAN 1 IN. = 50 FT.
 { PROFILE { HOR. 1 IN. = 50 FT.
 { VER. 1 IN. = 5 FT.
 CROSS SECTIONS 1 IN. = 5 FT.

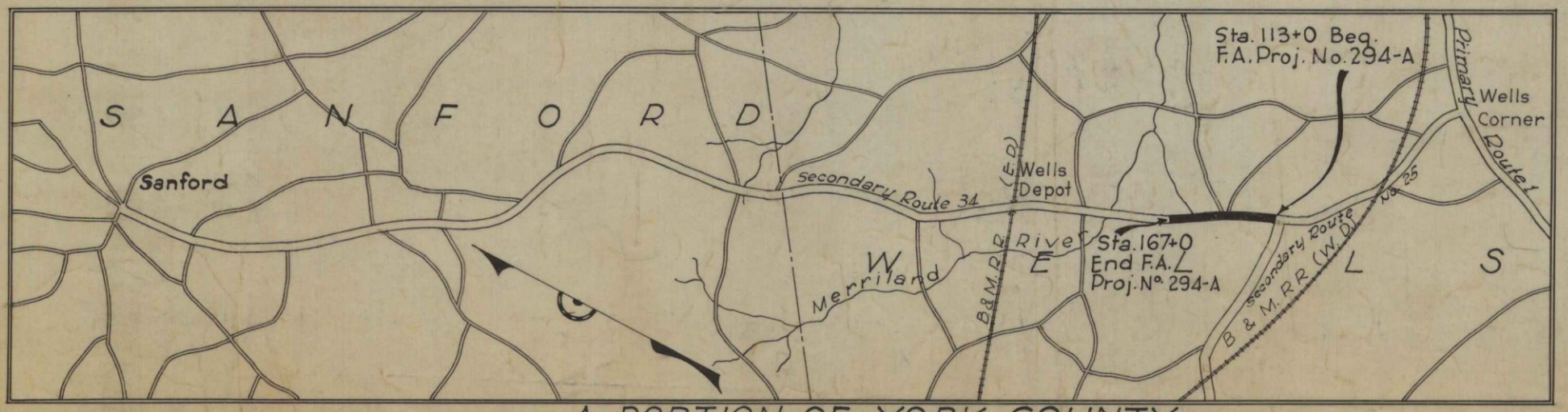


All work contemplated under this contract to be governed by and in conformity with the specifications, revised May 1935, except as modified on these plans.

LAYOUT PLAN
Scale 1 in. = 300 ft.



TYPICAL SECTION



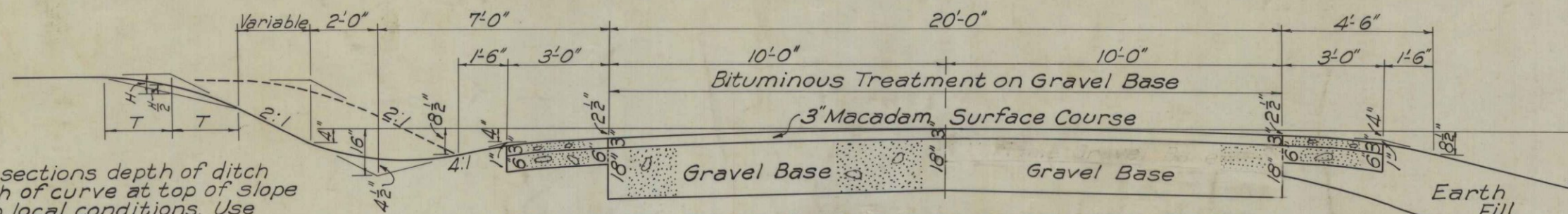
A PORTION OF YORK COUNTY
Approx. Scale = 1 in. = 1 Mi.

APPROVED:
MAINE STATE HIGHWAY COMMISSION
Paul C. Thurston
CHAIRMAN
Edward B. ...
CHIEF ENGINEER

APPROVED:
U. S. BUREAU OF PUBLIC ROADS
[Redacted]
DISTRICT ENGINEER
[Redacted]
CHIEF ENGINEER
[Redacted]
DIRECTOR

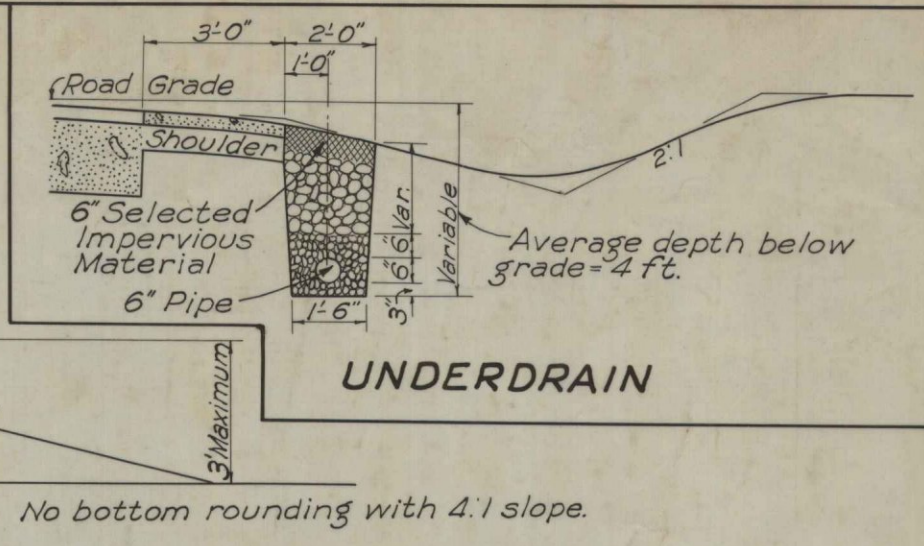
BITUMINOUS MACADAM SURFACE COURSE

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' min. and 5' max.



18" GRAVEL BASE & VARIABLE GRAVEL BASE

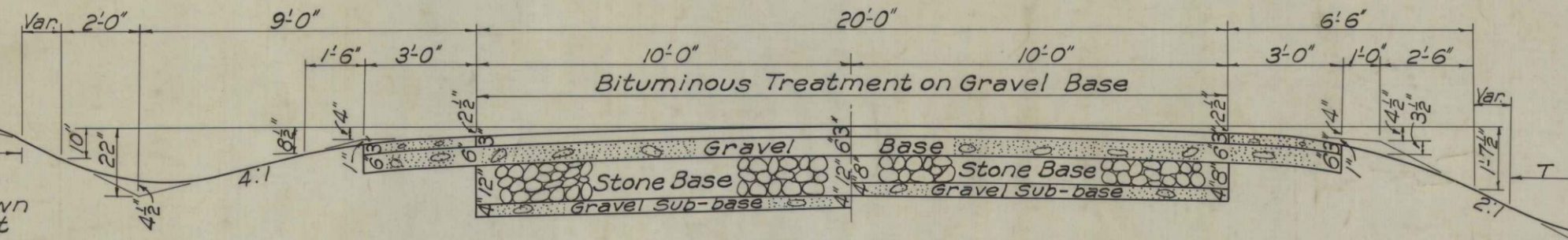
3" Macadam Surface Course = 18.52 C.Y. per 100 L.F.
 3" Grav. Surface Course both shoulders = 5.56 " " " "
 6" Base = 11.11 " " " "
 18" " " inc. shoulders = 124.79 " " " "



UNDERDRAIN

No bottom rounding with 4:1 slope.

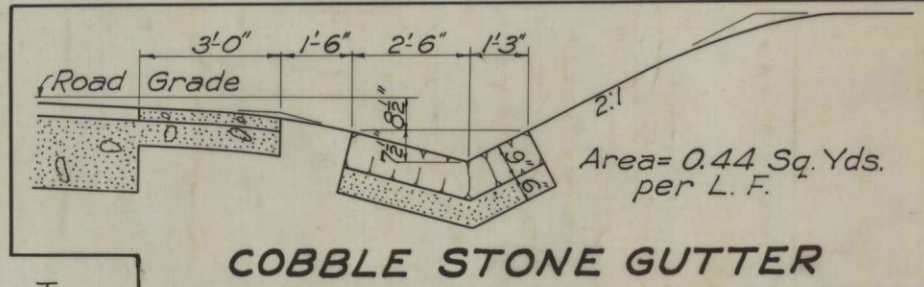
Depth of bases as shown may be changed to meet local conditions.



STONE BASE

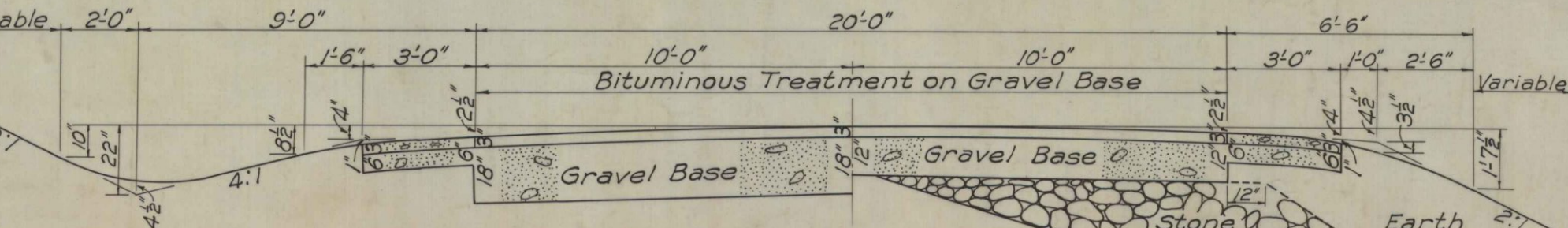
6" Gravel Base Course including shoulders = 48.15 C.Y. per 100 L.F.
 4" Gravel Sub-base Course = 27.26 " " " "
 8" Stone Base Course = 49.38 C.Y. per 100 L.F.
 12" " " " = 74.07 " " " "

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



COBBLE STONE GUTTER

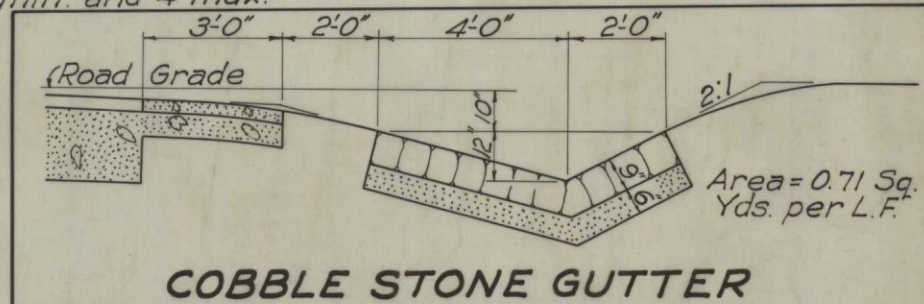
Where a 2:1 slope is not practicable, use a 1 1/2:1 slope in cuts. Construct berm ditch where needed.



GRAVEL BASE & STONE FILL

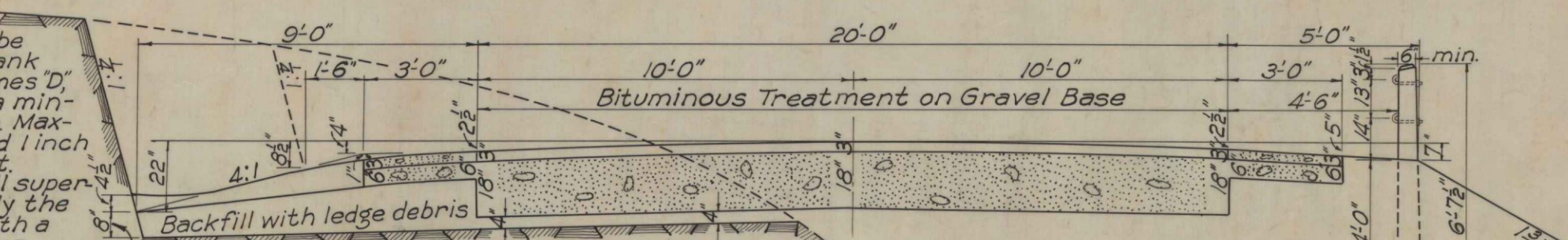
12" Gravel Base Course including shoulders = 87.76 C.Y. per 100 L.F.
 15" " " " = 106.28 " " " "
 18" Grav. Base inc. shoulders = 124.79 C.Y. per 100 L.F.
 24" " " " = 161.83 " " " "

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



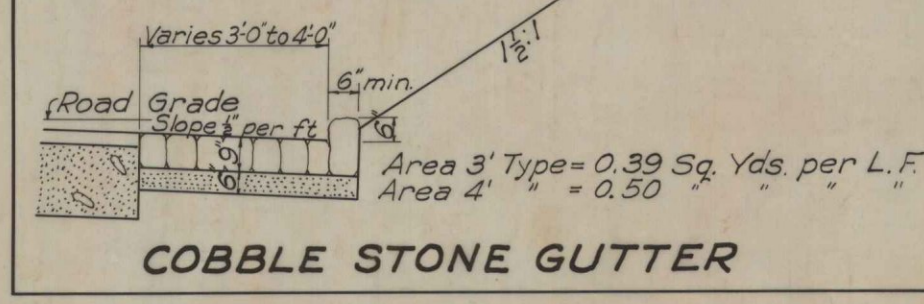
COBBLE STONE GUTTER

Curves of 2" or more shall be super-elevated. "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 ft. width of pavement.
 All curves shall have full super-elevation at approximately the P.C. & P.T. of the curve with a transition of 150 ft. unless otherwise specified.
 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.

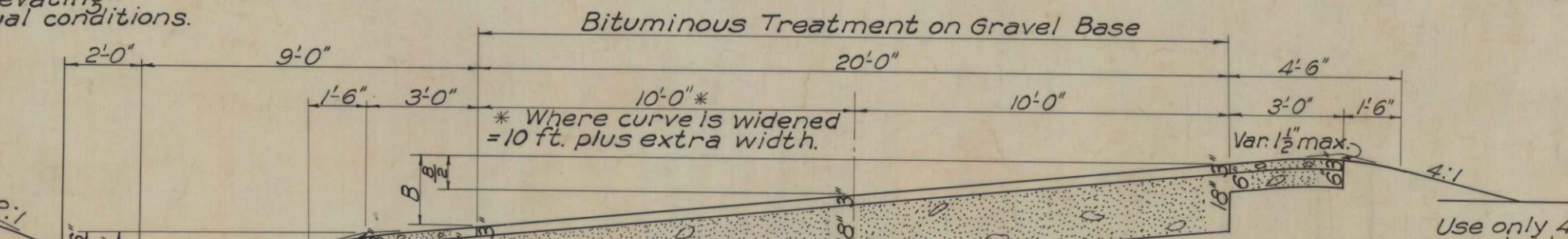


LEDGE & GUARD RAIL

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



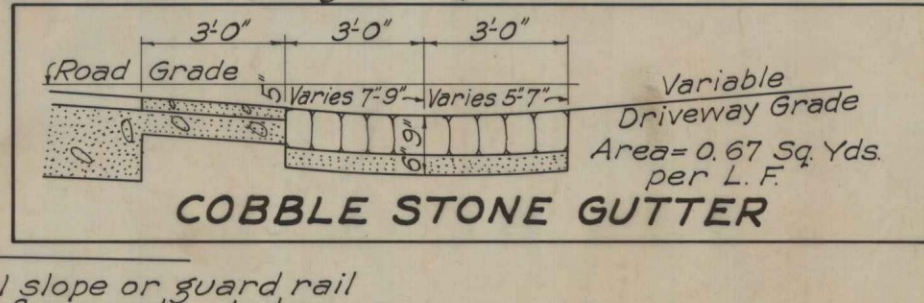
COBBLE STONE GUTTER



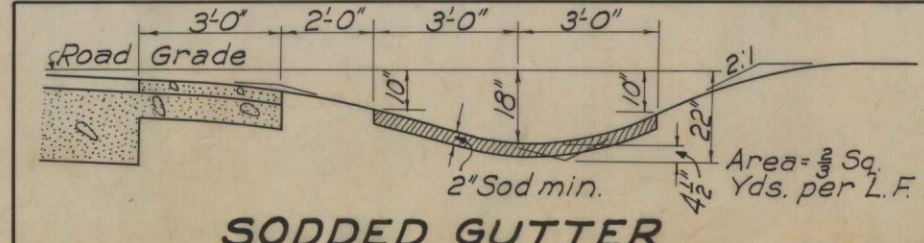
WIDENED & SUPERELEVATED

6" Gravel Base Course inc. shoulders = 48.15 C.Y. per 100 L.F.
 12" " " " = 65.19 " " " "
 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 " " " "

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



COBBLE STONE GUTTER

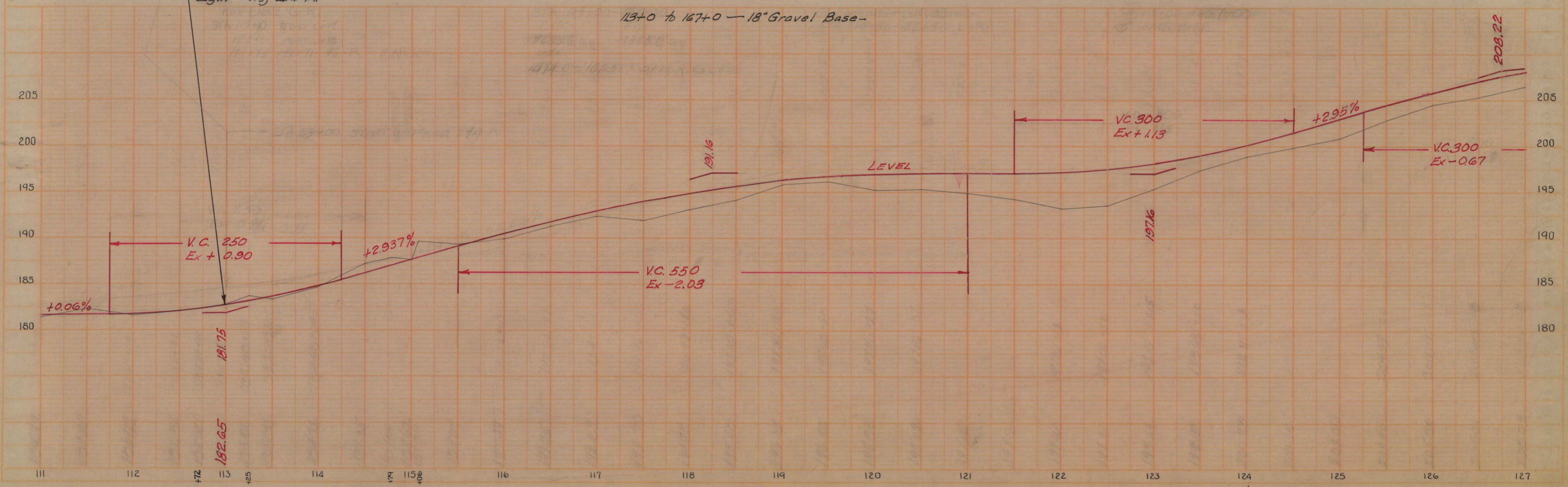
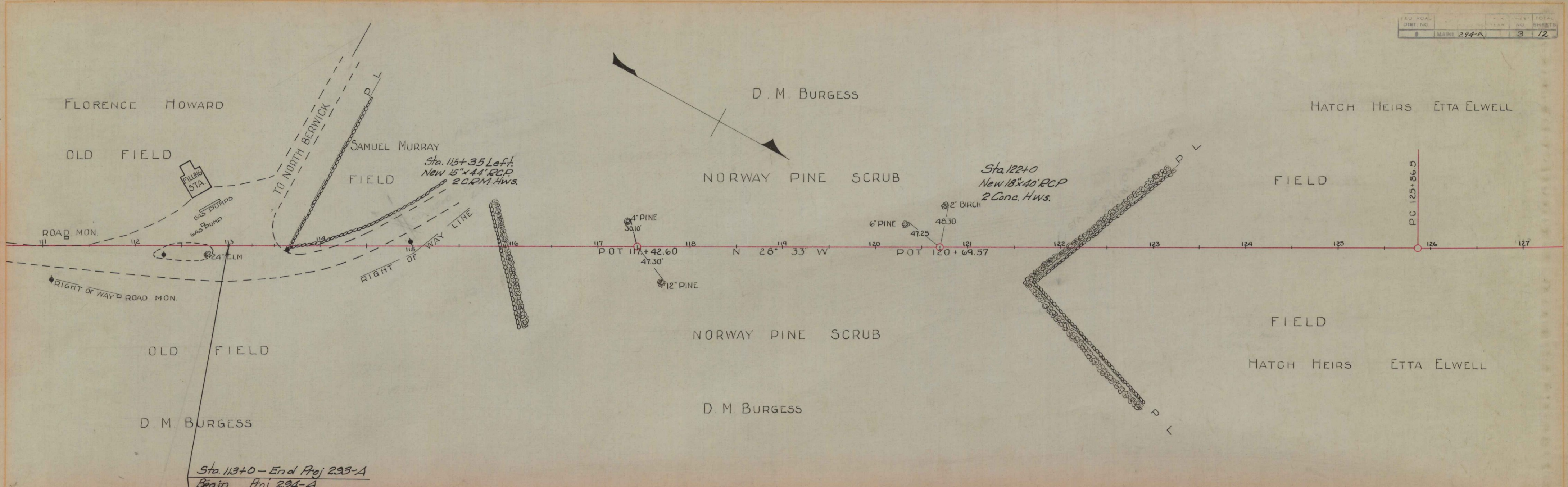


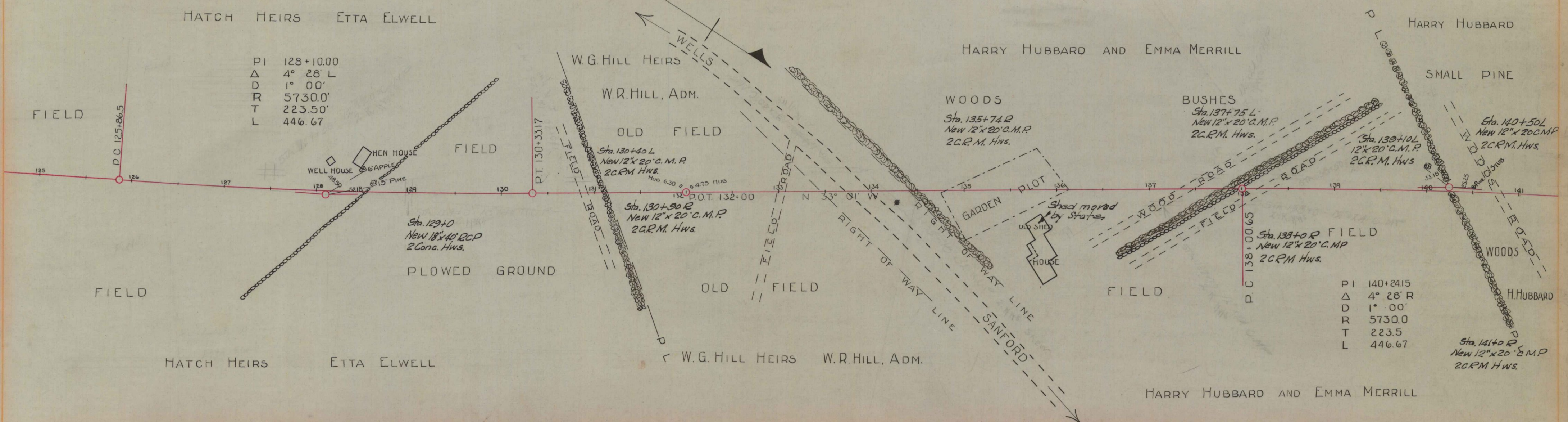
SODDED GUTTER

ESTIMATED QUANTITIES			
ITEM	DESCRIPTION	QUANTITY	UNIT
11	Clearing and Grubbing	4	Acres
12-A	Earth Excavation	5943	C.Y.
12-B	Rock Excavation	505	C.Y.
12C	Trees Removed	7	Each
13	Excavation for Structures	334	C.Y.
17-A	Common Borrow	2867	C.Y.
23	Gravel Base Course	7206	C.Y.
27	Gravel Surface Course	356	C.Y.
29-A	Bit. Mac. Surface Course	1001	C.Y.
29-B	Emul. Asph. furnished and Applied	29,703	Gals.
35-A	Class "A" Concrete	85	C.Y.
35-B	Class "B" Concrete	41	C.Y.
36	Steel Rein. for Concrete Structures	1200	Lbs.
38	Camant Rubble Masonary	10	C.Y.
40-A	12" C.M.P.	244	L.F.
40-B	15" C.M.P.	44	L.F.
43C	18" R.C.P.	120	L.F.
43E	30" R.C.P.	48	L.F.
51-A	Wire Cable Guard Rail	1644	L.F.
51-B	Anchorage for W.C.G.R.	12	Each
52	Loam	201	C.Y.
55	Bituminous Treatment	8380	Gals.

E.S. METCALF
 LIBBY 1-35
 ASP-2

E.S. METCALF
 METCALF
 ASP-4

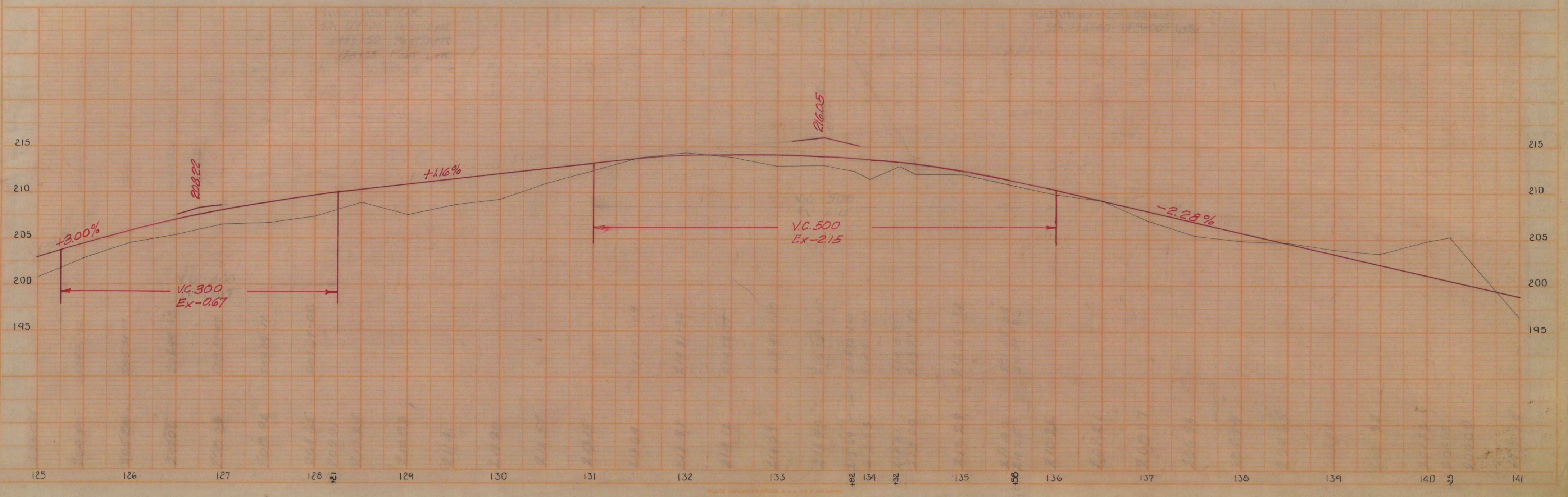




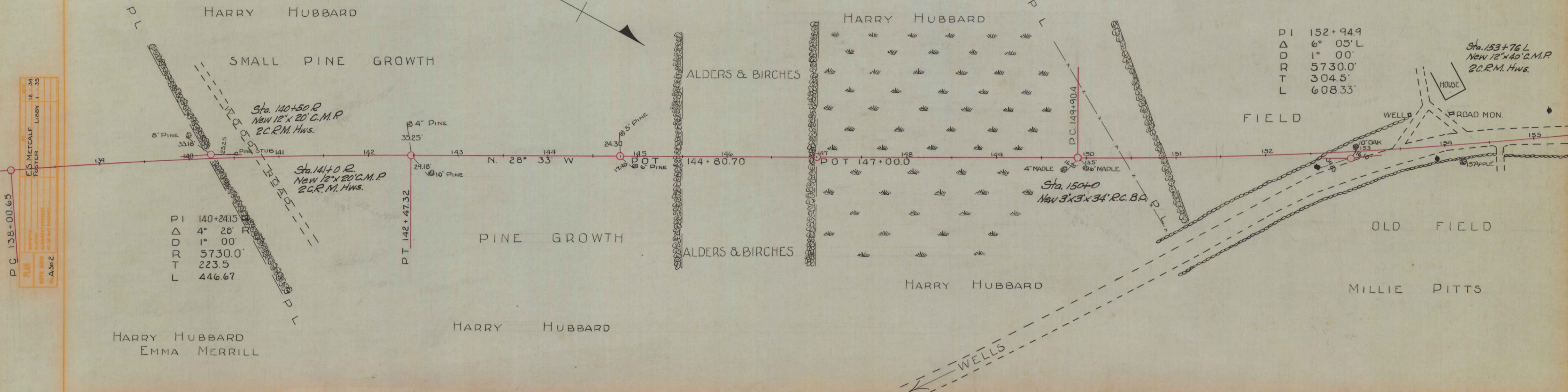
PI 128+10.00
 Δ 4° 28' L
 D 1° 00'
 R 5730.0'
 T 223.50'
 L 446.67

PI 140+2415
 Δ 4° 28' R
 D 1° 00'
 R 5730.0
 T 223.5
 L 446.67

E.S. METCALF
 LUBBY
 12 34
 1 35
 ASP 2



E.S. METCALF
 METCALF
 12 34
 1 35
 ASP 4

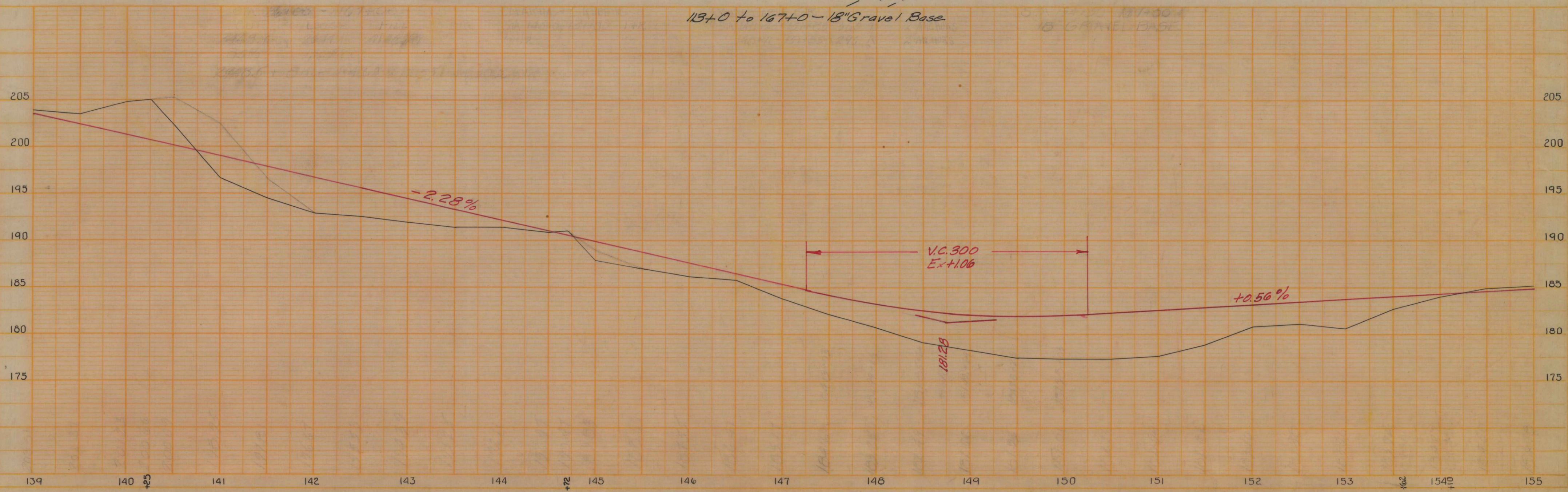


P.C. 138+00.65
 E.S. METCALF
 LIBBY 12-34
 FOSTER 1-35
 A-5p-2

P.I. 140+24.15
 Δ 4° 28'
 R 5730.0'
 T 223.5
 L 446.67

P.I. 152+94.9
 Δ 6° 05' L
 D 1° 00'
 R 5730.0'
 T 304.5'
 L 608.33'

13+0 to 167+0 - 18" Gravel Base



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

PLAN
 E.S. METCALF
 FOSTER
 LIBBY
 I 35
 A-302

PROFILE
 E.S. METCALF
 METCALF
 FOSTER
 I 35
 A-304

