

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	MAINE	294-C		1	10

SANFORD

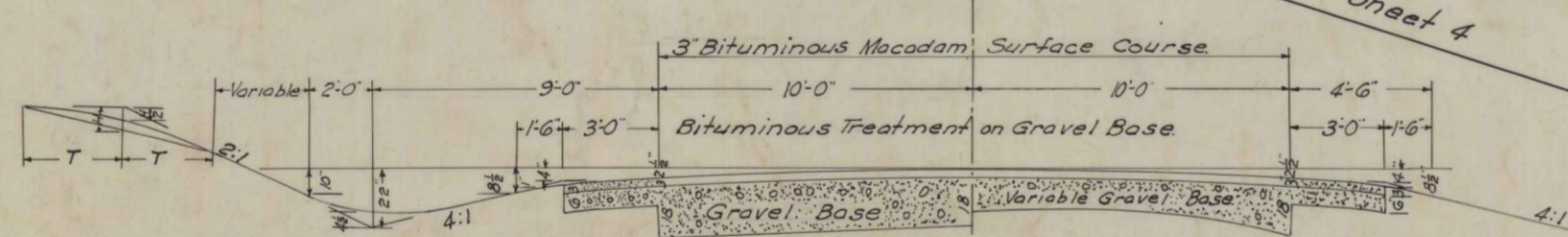
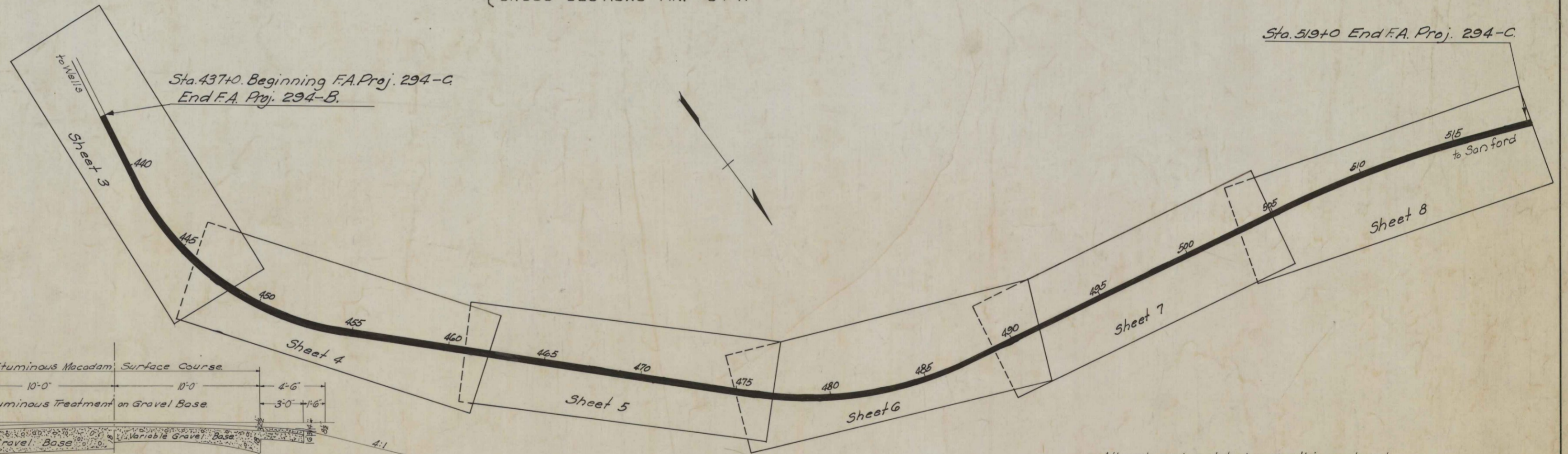
STATE OF MAINE  
STATE HIGHWAY COMMISSION

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

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.	437+0 to 519+0
SHEET NO. 2	TYPICAL SECTIONS	STA.	437+0 to 519+0
SHEET NO. 3 & 8	PLAN AND PROFILE	STA.	437+0 to 519+0
SHEET NO. 9 & 10	CROSS-SECTIONS	STA.	437+0 to 519+0
SHEET NO.	BRIDGES	STA.	
SHEET NO.	SPECIAL DETAILS		

TOTAL LENGTH 1.553 MILES  
 SCALES { PLAN 1 IN. = 50 FT.  
 { PROFILE { HOR. 1 IN. = 50 FT.  
 { VER. 1 IN. = 5 FT.  
 { CROSS SECTIONS 1 IN. = 5 FT.



TYPICAL SECTION  
Scale 1 inch = 5 feet

LAYOUT PLAN  
Scale 1 inch = 300 ft.

All work contemplated under this contract to be governed by and in conformity with the Specifications, revised May 1937, approved Oct 26, 1937, except as modified on these plans.



A PORTION OF YORK COUNTY  
Scale 1 inch = 1 mile

APPROVED:  
MAINE STATE HIGHWAY COMMISSION

*Paul C. Thurston*  
CHAIRMAN

*Shawwoodman*

*William D. Barron*  
CHIEF ENGINEER

APPROVED:  
U. S. BUREAU OF PUBLIC ROADS

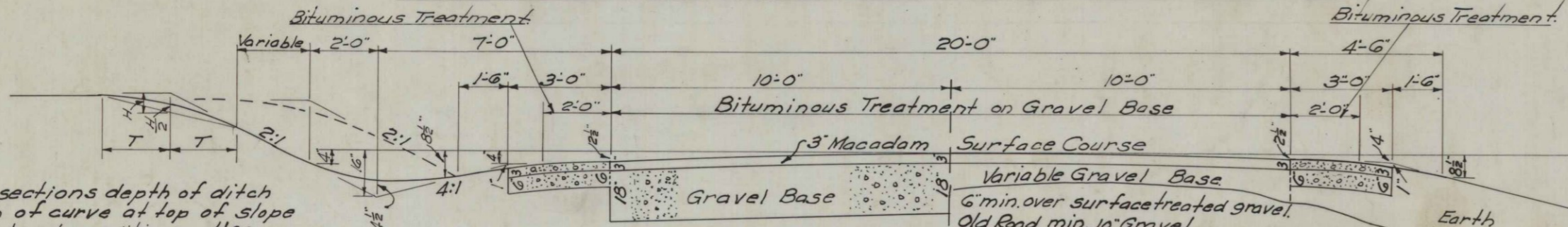
\_\_\_\_\_  
DISTRICT ENGINEER

\_\_\_\_\_  
CHIEF ENGINEER

\_\_\_\_\_  
DIRECTOR

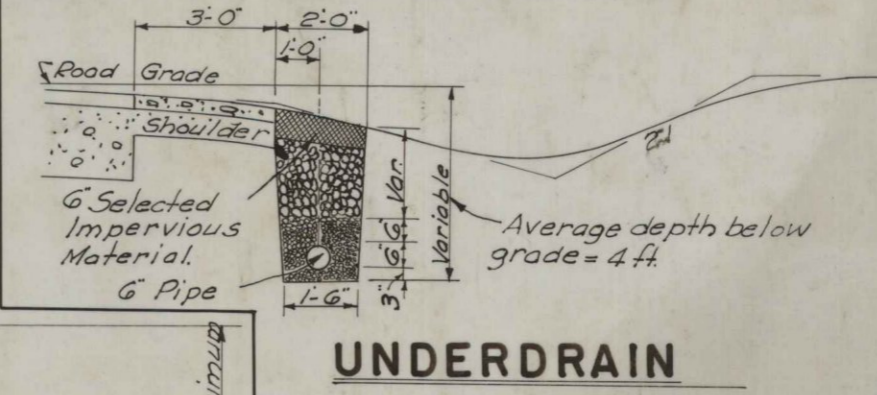


### BITUMINOUS MACADAM SURFACE COURSE



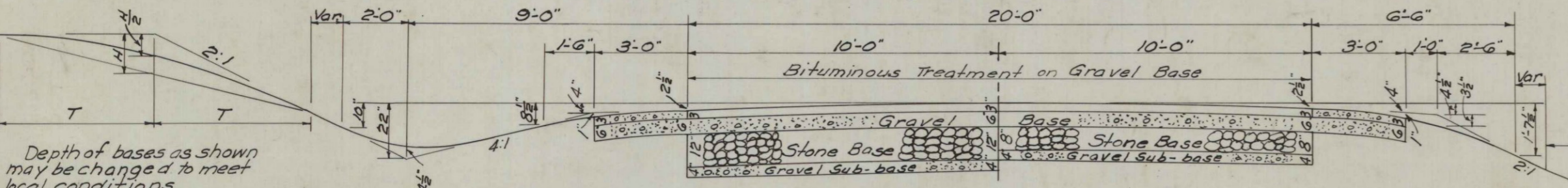
### 18" GRAVEL BASE - VARIABLE GRAVEL BASE

3" Macadam Surface Course = 18.52 C.Y. per 100 L.F.  
 3" Grav. Surface Course both shoulders = 5.56  
 6" Grav. Base Course both shoulders = 71.11  
 18" Grav. Base Course including shoulders = 124.79



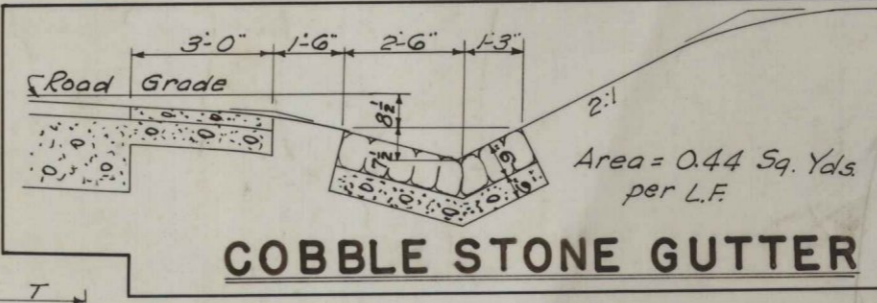
### UNDERDRAIN

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.

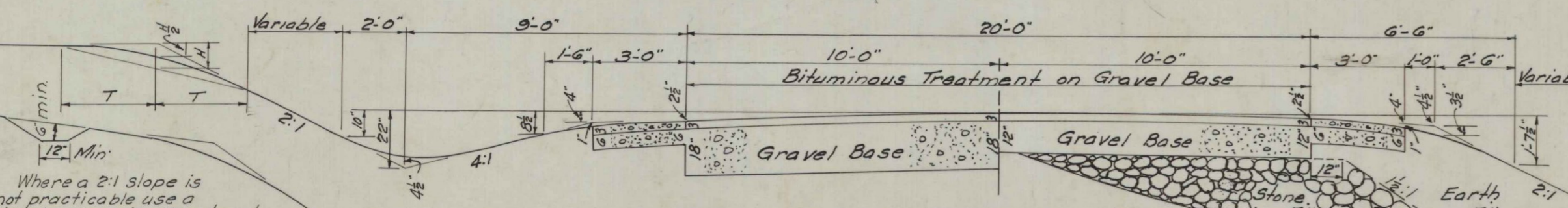


### STONE BASE

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" Stone Base Course = 74.07



### COBBLE STONE GUTTER

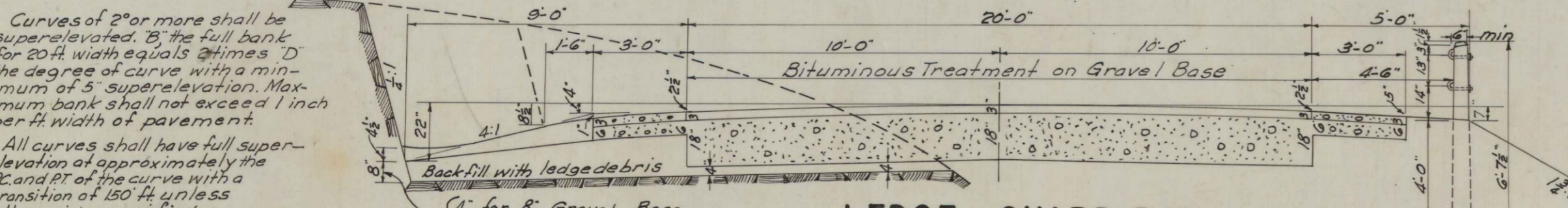


### GRAVEL BASE - STONE FILL

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



### COBBLE STONE GUTTER



### LEDGE - GUARD RAIL

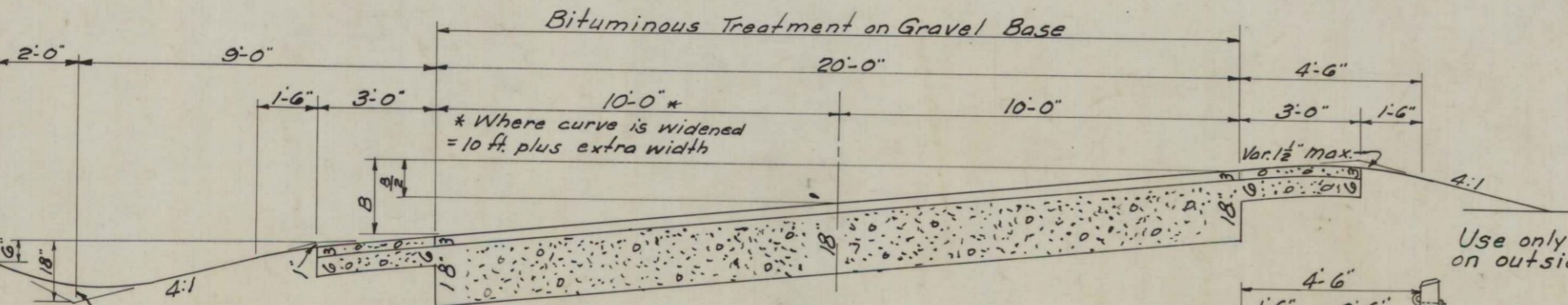
Where a 2:1 slope is not practicable use a 1 1/2:1 slope in cuts. Construct berm ditch where needed.

Curves of 2° or more shall be super-elevated. B, the full bank for 20 ft. width equals 4 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 RC and PT of the curve with a transition of 150 ft. unless otherwise specified.

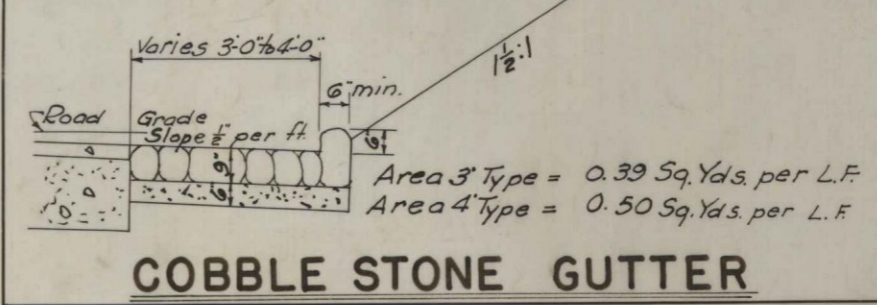
Curves of 6° or more shall be widened. The extra width expressed in feet is given by formula  $\frac{D}{10} + 2$ .

Widening and super-elevating may be limited by unusual conditions.

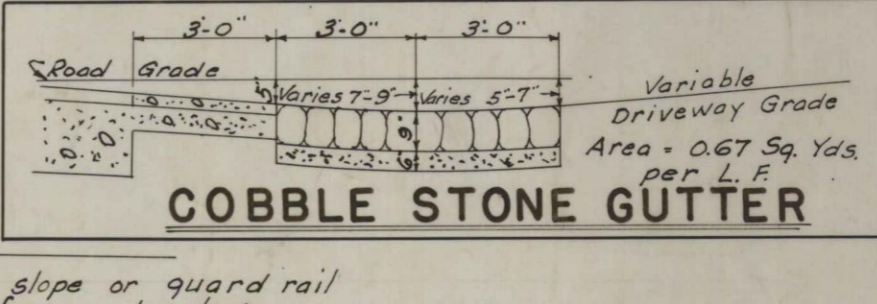


### WIDENED - SUPERELEVATED

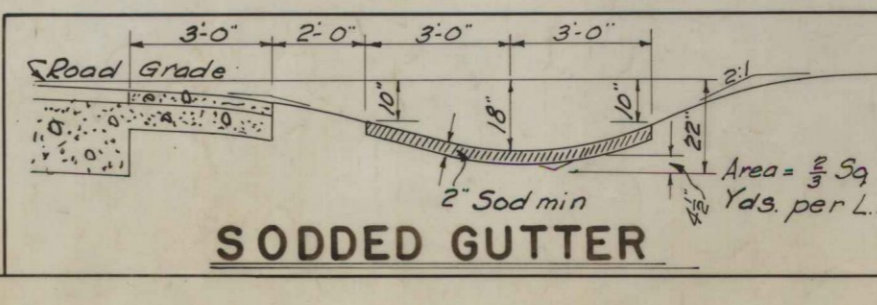
6" Gravel Base Course inc. shoulders = 48.15 C.Y. per 100 L.F.  
 12" Gravel Base Course inc. shoulders = 83.19  
 15" Gravel Base Course inc. shoulders = 103.70  
 18" Gravel Base Course inc. shoulders = 122.22  
 24" Gravel Base Course inc. shoulders = 159.26  
 12" Stone Base Course = 74.07 C.Y. per 100 L.F.  
 18" Stone Base Course = 111.11  
 4" Gravel Sub-base Course = 24.69 C.Y. per 100 L.F.



### COBBLE STONE GUTTER



### COBBLE STONE GUTTER



### SODDED GUTTER

### FINAL ESTIMATED QUANTITIES

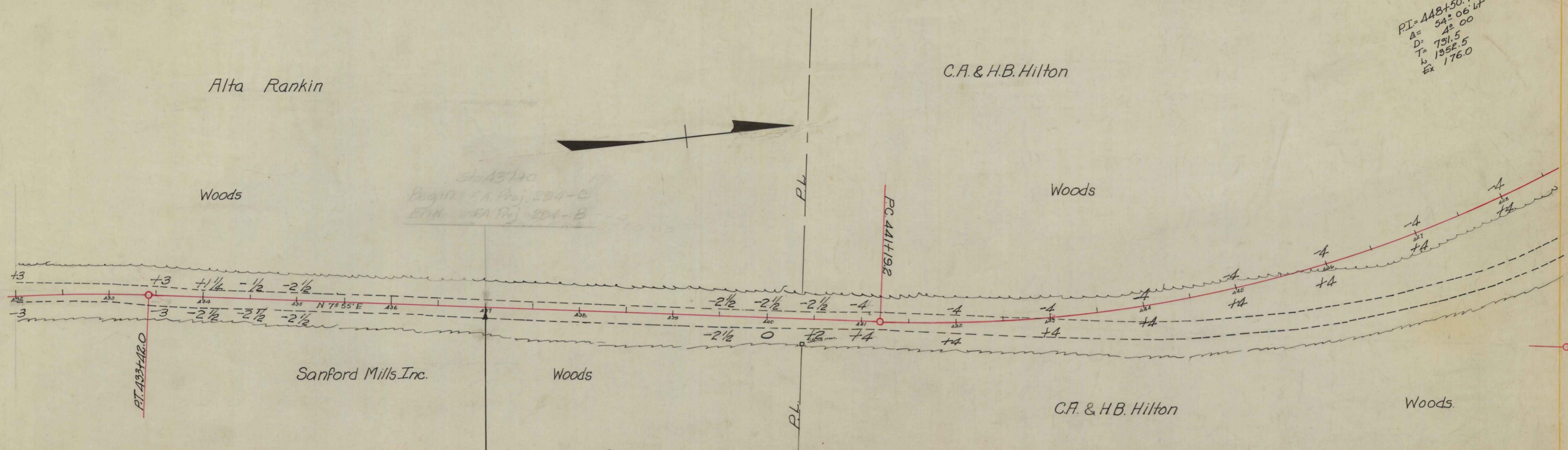
ITEM	DESCRIPTION	QUAN.	UNIT
11	Clearing and Grubbing	2.02	Acres
12-A	Earth Excavation	4907	C.Y.
12-B	Rock Excavation	60	C.Y.
12C	Trees Removed	10	Each
13	Excav. for Structures	70	C.Y.
17-A	Common Borrow	3605	C.Y.
23	Gravel Base Course	9320	C.Y.
27	Gravel Surface Course	517	C.Y.
29A	Bit. Mac. Surface Course	1544	C.Y.
29B	Emul. Asph. furnished and Applied	49,565	Gals.
35-B	Class "B" Concrete	5	C.Y.
36	Steel reinf. for Concrete Struct.	18	Lbs.
38	Cement Rubble Masonary	4.4	C.Y.
40A	12" C.M.P.	114	L.F.
43B	15" R.C.P.	72	L.F.
45B	Drop Inlet - Type "B"	1	Each
51A	Wire Cable Guard Rail	662	L.F.
51B	Anchorage for W.C.G.R.	6	Each
52	Loam	801	C.Y.
54	Sodding	114	Sq. Yds.
55	Bituminous Treatment	15,344	Gals.

### CULVERTS

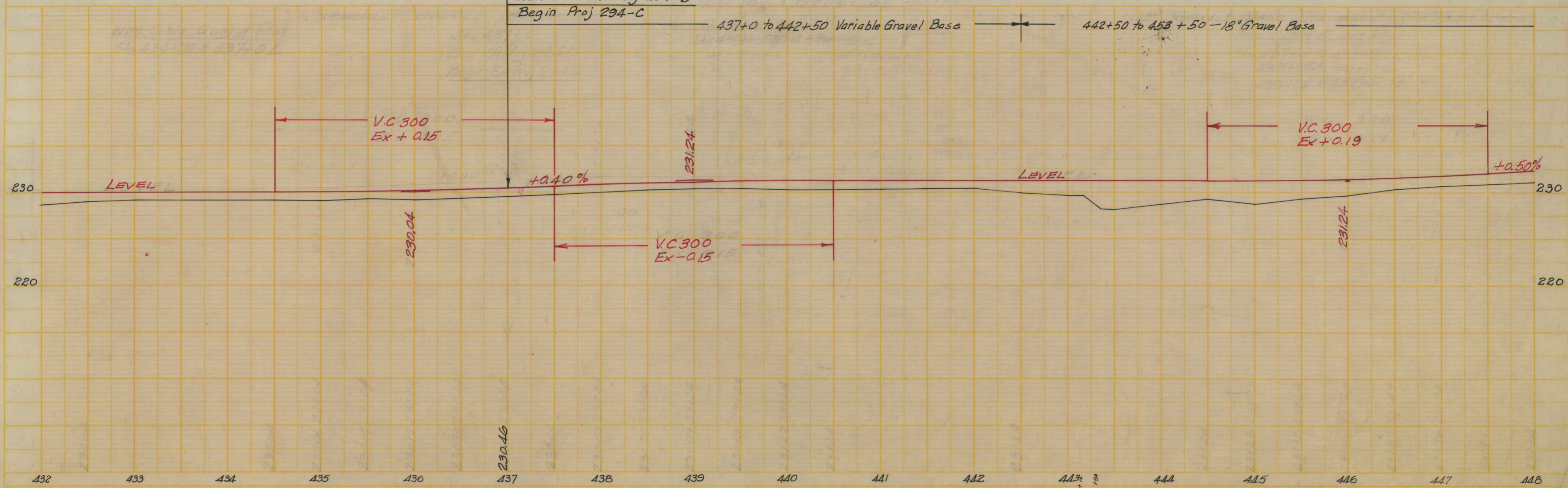
478+19 R	12" x 24' C.M.P.
493+50 R	12" x 26' C.M.P.
497+25 R	12" x 20' C.M.P.
517+75 L	12" x 24' C.M.P.
517+60 R	12" x 20' C.M.P.
461+0	15" x 36' R.C.P.
515+0	15" x 36' R.C.P.



$PI = 448+50.7$   
 $A = 54^{\circ} 06' 44''$   
 $D = 731.5$   
 $T = 1352.5$   
 $Ex = 176.0$

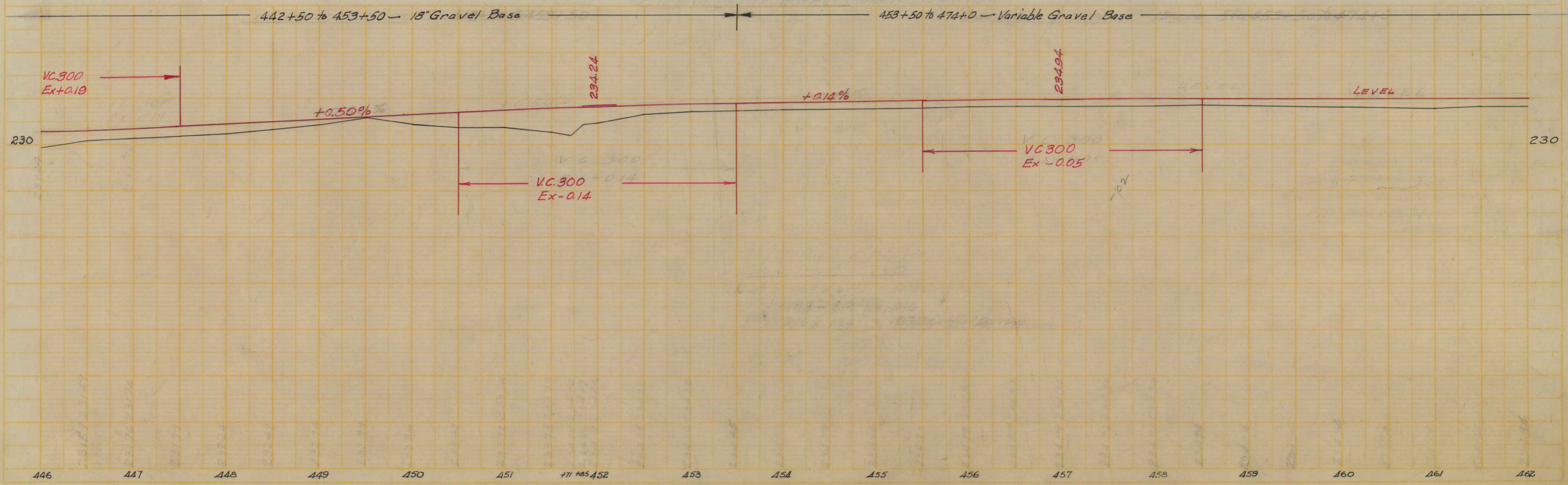
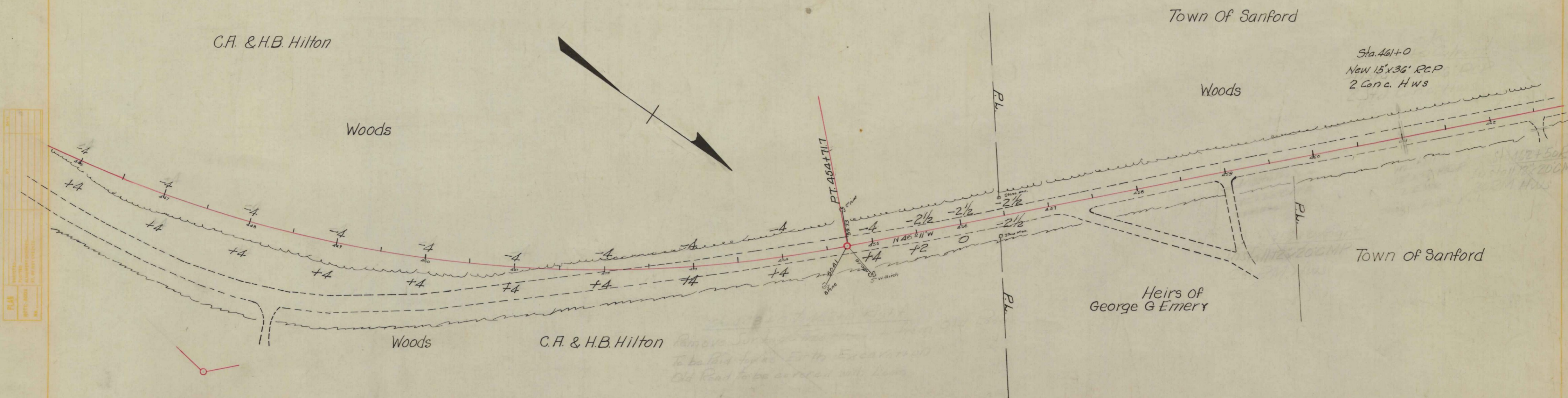


Sta. 437+0 - End Proj 294-B  
 Begin Proj 294-C  
 437+0 to 442+50 Variable Gravel Base  
 442+50 to 453+50 - 18" Gravel Base

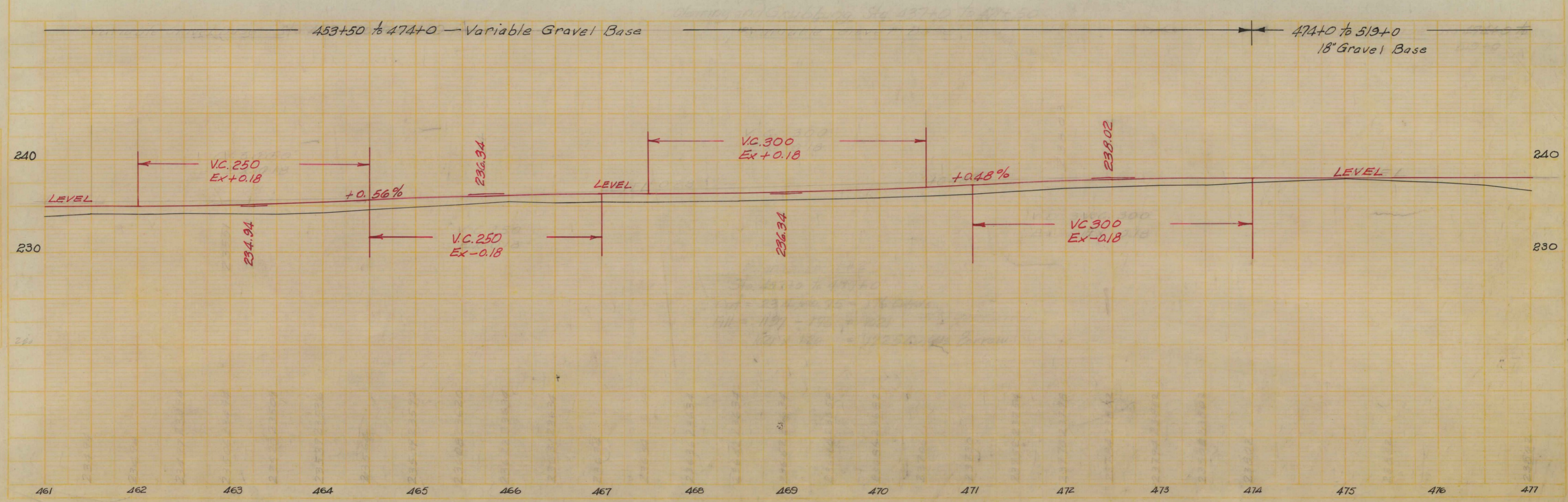
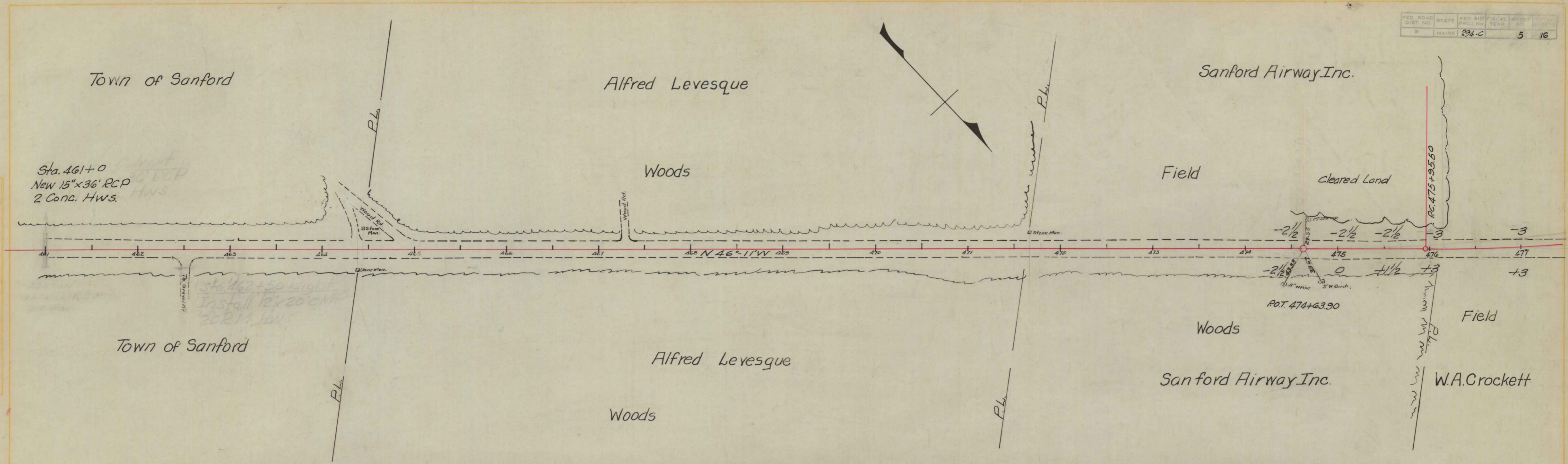




FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	MAINE	234-C	4	16	









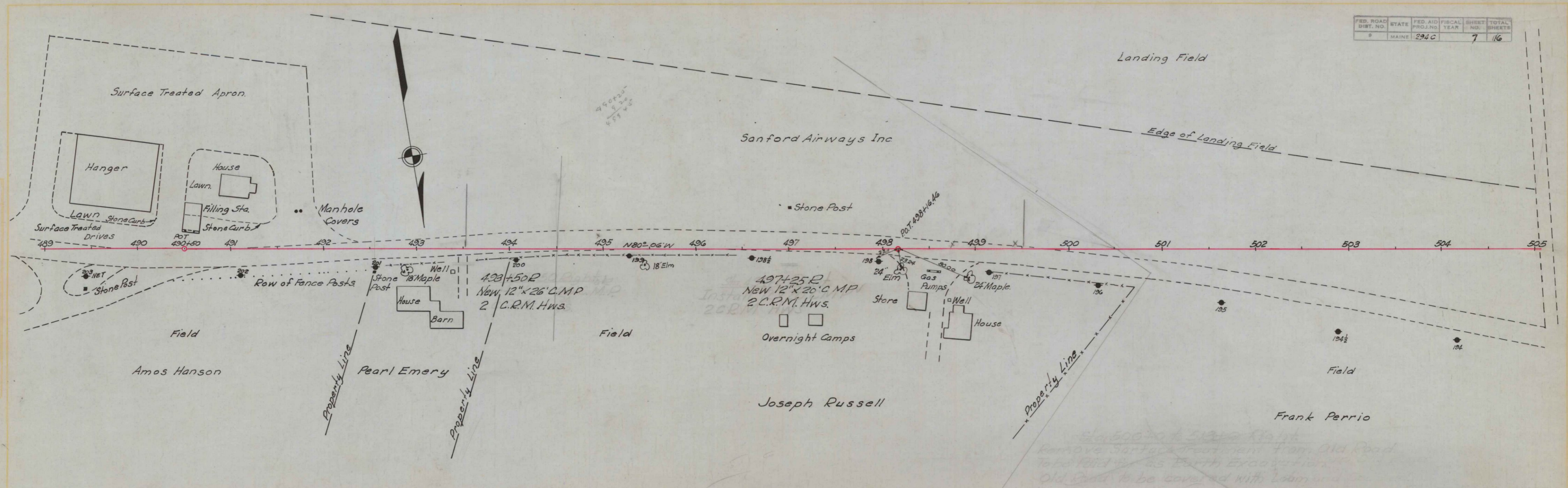




FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
9	MAINE	294C		7	16

10/26  
 1/57  
 R.F. Johnson  
 R.F. Johnson

10/26  
 1/57  
 R.F. Johnson  
 Beale



Station 500 to 512+00  
 Remove Surface Treatment From Old Road  
 Take Part of as Earth Excavation  
 Old Road to be covered with Laminated

474+0 to 519+0 - 18" Gravel Base

