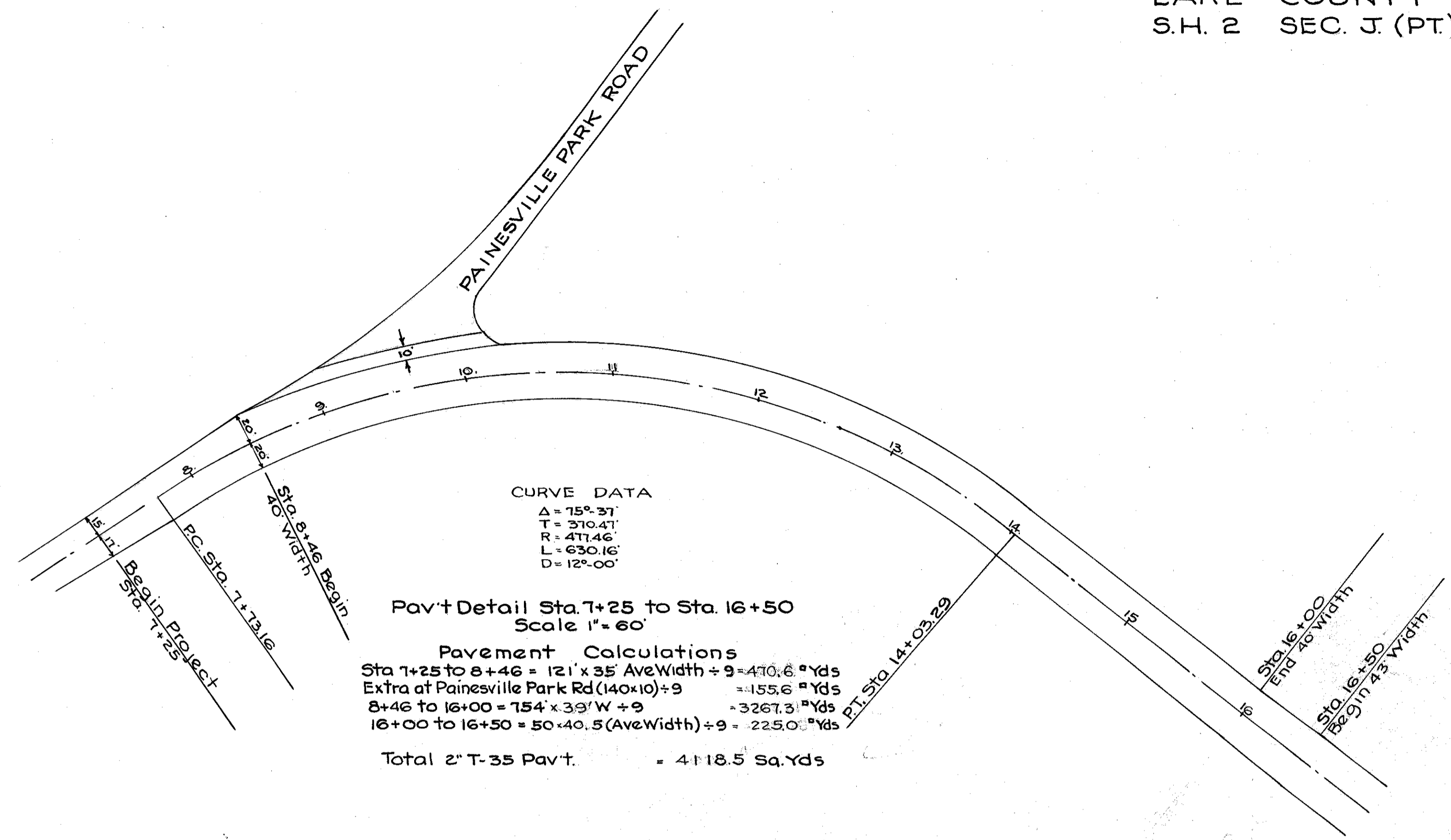


Extra pavement at intersection = 100 Sq.Yds

END PROJECT  
 STA. 77+75



CURVE DATA

$\Delta = 15^{\circ} 37'$   
 $T = 370.47'$   
 $R = 471.46'$   
 $L = 630.16'$   
 $D = 12^{\circ} 00'$

Pav't Detail Sta. 7+25 to Sta. 16+50  
 Scale 1" = 60'

Pavement Calculations

Sta. 7+25 to 8+46 =  $121' \times 35' \text{ AveWidth} \div 9 = 470.6 \text{ Sq.Yds}$   
 Extra at Painesville Park Rd  $(140 \times 10) \div 9 = 155.6 \text{ Sq.Yds}$   
 8+46 to 16+00 =  $754' \times 39' \text{ W} \div 9 = 3267.3 \text{ Sq.Yds}$   
 16+00 to 16+50 =  $50' \times 40.5' \text{ (AveWidth)} \div 9 = 225.0 \text{ Sq.Yds}$

Total 2" T-35 Pav't. = 4118.5 Sq.Yds

PAVEMENT CALCULATIONS

Begin Project	Sta. 7+25
End Project	Sta. 77+75
Gross Length	7050 Lin.Ft
Deduction for R.R.'s	24 Lin.Ft
Net Length	= 7026 Lin. Ft. = 1.33 Miles

T-35 1 1/4" Asphaltic Concrete Surface Co. (Type A)

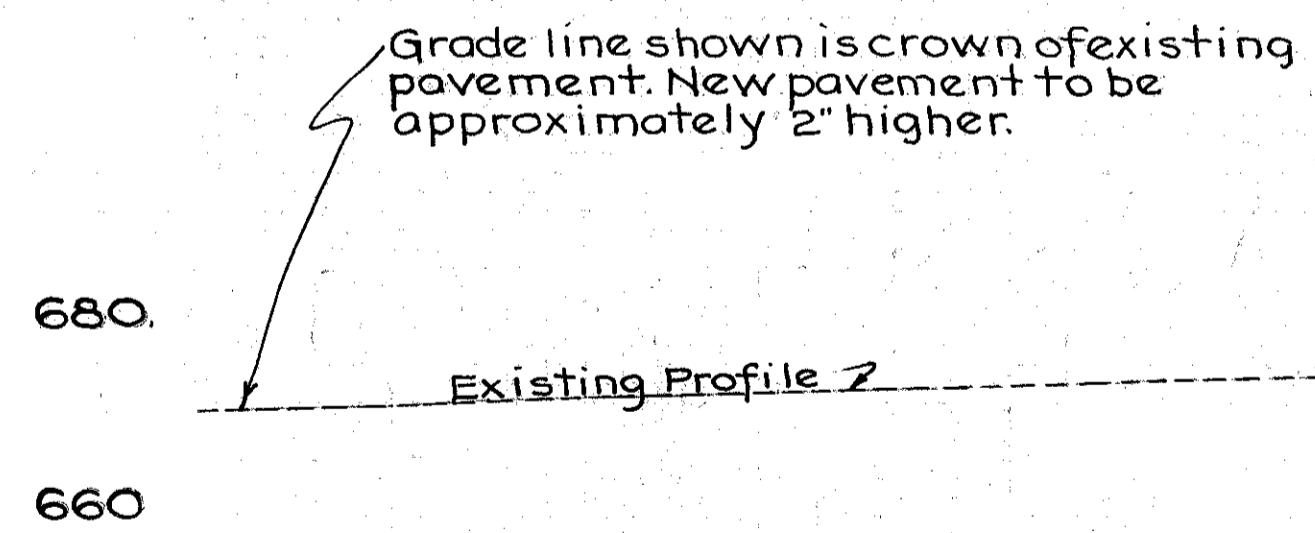
Sta. 7+25 to 16+50 (See calculations above)	= 4118.5 Sq.Yds
Sta. 16+50 to 77+75 = $6125 \text{ LF} \times 42 \div 9$	= 28,583.3 Sq.Yds
Extra at Bacon Road.	= 100.0 Sq.Yds
Total	= 32,801.8 Sq.Yds
$(32801.8 \times 1/4) \div 36$	= 1139.0 Cu.Yds

B-35 3/4" Asphaltic Concrete Leveling Course

$(32801.8 \times 3/4) \div 36$	= 683.3 Cu.Yds
Extra Leveling = $1.33 \times (300 \text{ CY. per mile})$	= 399.0 Cu.Yds
Subtotal	= 1082.3 Cu.Yds
Deduction at Gutters $(7026 \times 2 \times 2.5 \times .0313) \div 27$	= -40.7 Cu.Yds
Total	= 1041.6 Cu.Yds

T-30 Bituminous Prime Coat

$32802 \times 0.10$	= 3280 Gallons
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Grade line shown is crown of existing pavement. New pavement to be approximately 2" higher.

680.  
660

GENERAL SUMMARY

Item	Description	Total	Unit
T-35	Asphaltic Concrete Surface Course - Type "A"	1139	Cu.Yds.
T-30	Bituminous Prime Coat, Sec. M 5.12 AE-3 including sand cover.	3280	Gallons.
B-35	Asphaltic Concrete Leveling Course	1042.	Cu.Yds