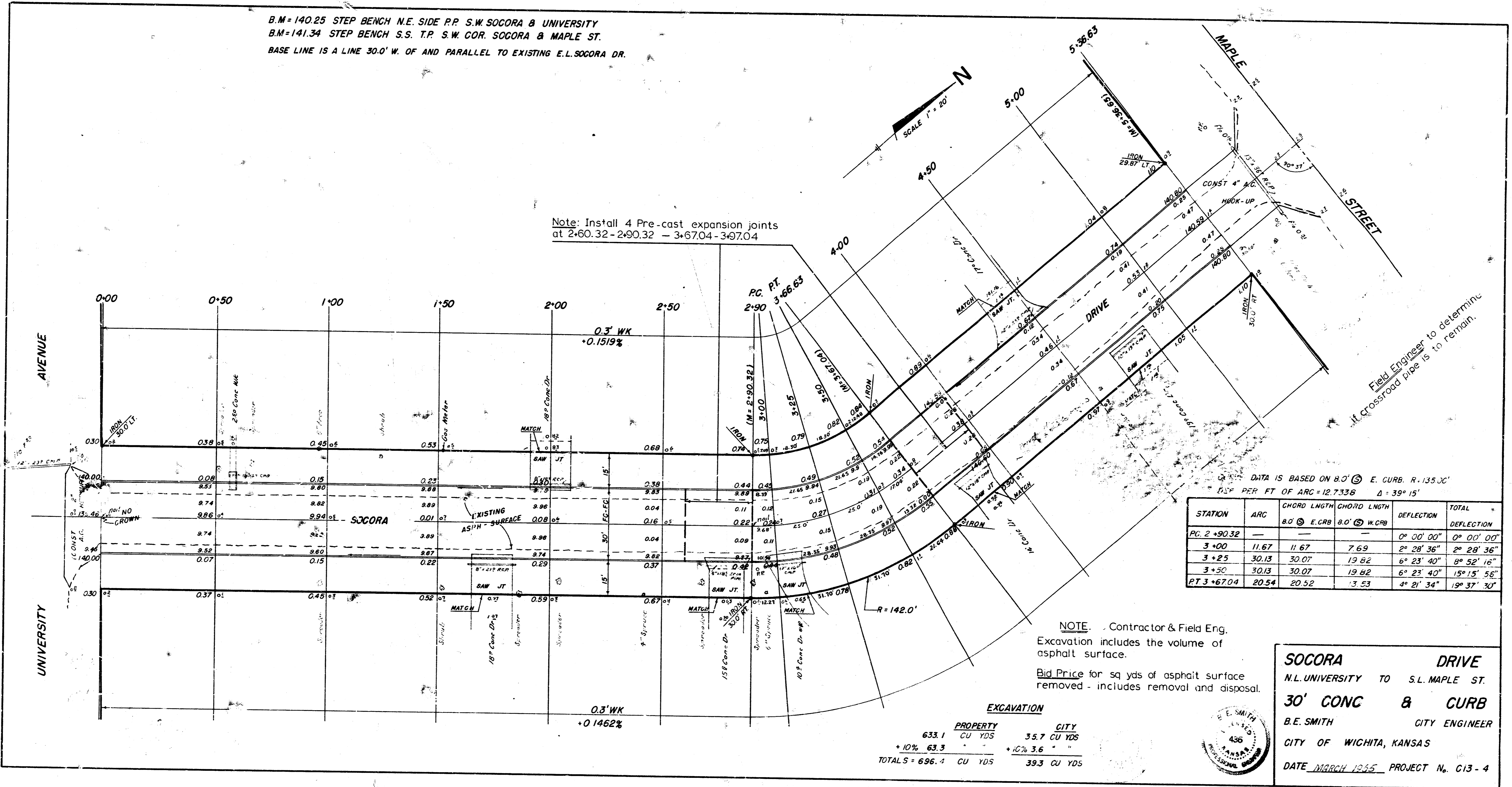


B.M. = 140.25 STEP BENCH N.E. SIDE P.P. S.W. SOCORA & UNIVERSITY  
 B.M. = 141.34 STEP BENCH S.S. T.P. S.W. COR. SOCORA & MAPLE ST.  
 BASE LINE IS A LINE 30.0' W. OF AND PARALLEL TO EXISTING E.L. SOCORA DR.

Note: Install 4 Pre-cast expansion joints  
 at 2+60.32 - 2+90.32 - 3+67.04 - 3+97.04



Field Engineer to determine  
 if crossroad pipe is to remain.

DATA IS BASED ON 8.0' @ E. CURB. R. 135.00'  
 1.5% PER FT. OF ARC = 12.7338' Δ = 39° 15'

STATION	ARC	CHORD LNTH	CHORD LNTH	DEFLECTION	TOTAL
	8.0' @ E. CRB	8.0' @ W. CRB			
PC 2+90.32				0° 00' 00"	0° 00' 00"
3+00	11.67	11.67	7.69	2° 28' 36"	2° 28' 36"
3+25	30.13	30.07	19.82	6° 23' 40"	8° 52' 16"
3+50	30.13	30.07	19.82	6° 23' 40"	15° 15' 56"
PT 3+67.04	20.54	20.52	13.53	4° 21' 34"	19° 37' 30"

NOTE: Contractor & Field Eng.  
 Excavation includes the volume of  
 asphalt surface.  
 Bid Price for sq yds of asphalt surface  
 removed - includes removal and disposal.

EXCAVATION

PROPERTY	CITY
633.1 CU YDS	35.7 CU YDS
+10% 63.3	+10% 3.6
TOTALS = 696.4 CU YDS	39.3 CU YDS

**SOCORA DRIVE**  
 N.L. UNIVERSITY TO S.L. MAPLE ST.  
**30' CONC & CURB**  
 B.E. SMITH CITY ENGINEER  
 CITY OF WICHITA, KANSAS  
 DATE MARCH 1955 PROJECT No. C13-4

