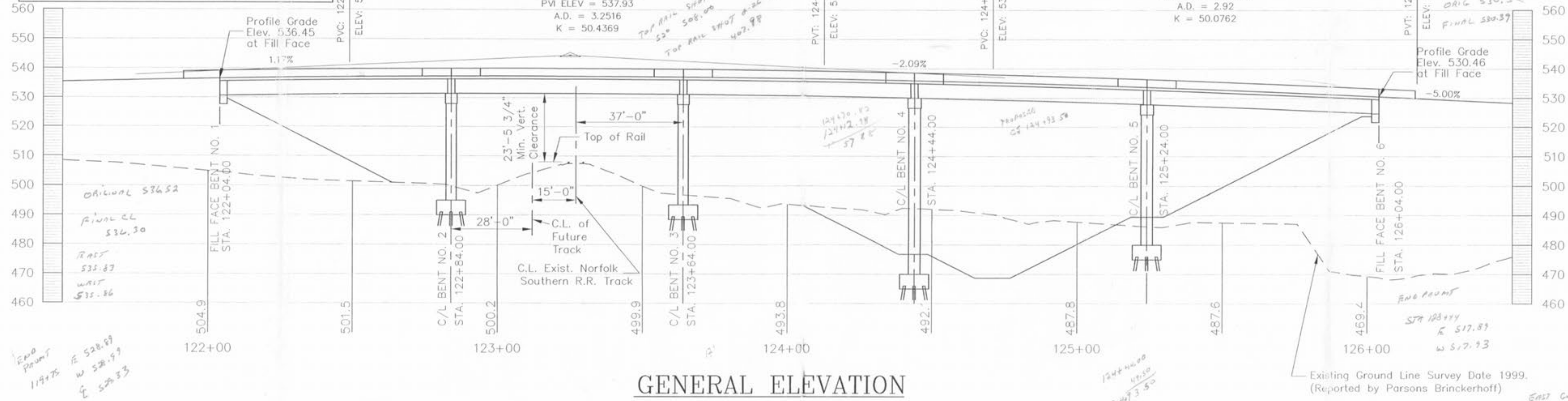


PROPOSED NEW VERTICAL CURVE ON ROADWAY
 LENGTH OF VERT. CURVE = 156.47'
 BEGINNING GRADE = (+) 4.50%
 ENDING GRADE = (+) 1.17%
 PVC STA. = 120+47.53 AT ELEV. 532.02
 PVI STA. = 121+25.73 AT ELEV. 535.53
 PVT STA. = 122+04.00 AT ELEV. 536.45
 A.D. = 3.33 K = 46.99



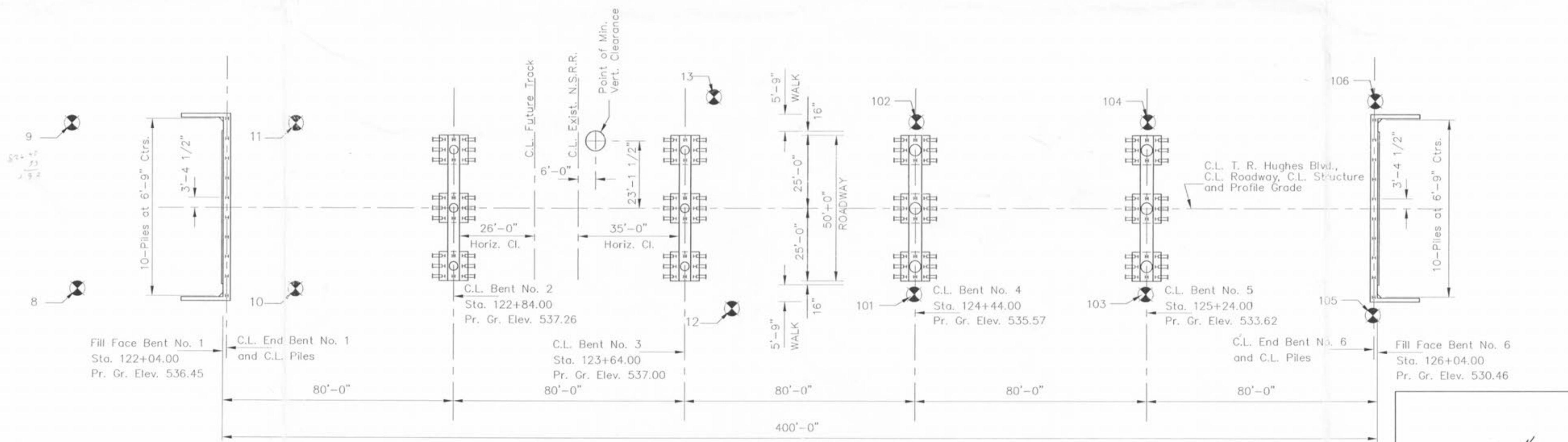
GENERAL ELEVATION

NOTE: See Civil Drawings for Grading Plan and Roadway Design Information.

Existing Ground Line Survey Date 1999.
 (Reported by Parsons Brinckerhoff)

INDICATES LOCATION OF BORINGS.

NOTE: FOR BORING DATA SEE SHEETS 4 AND 5.



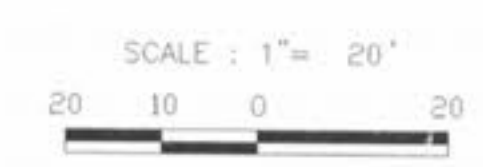
PLAN VIEW

ENGINEER'S AUTHENTICATION: The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature and date hereto attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date, unless reauthenticated.



REGISTERED PROFESSIONAL ENGINEER
 SHANNON J. HOWE
 NUMBER E-2000162117
 05/25/2004

AUTOCAD INFORMATION BLOCK
 DRAWING: 20844CL1 BY: JDC DATE: 5/6/03
 PLOT SCALE: 30 XREF DWG: NONE



DESIGNED BY	DATE	NO.	REVISIONS
JDC	25May04	1	Revised Grades
JDC	24May04	2	Revised Grades
JDC	25May04	3	Roadway Vert. Curve Data
JDC	25May04	4	
JDC	25May04	5	

Shafer, Kline and Warren, Inc.
 107 BUTLER STREET
 P.O. BOX 366
 MACON, MO 63552
 PHONE: (660) 385-6441
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 CIVIL ENGINEERS - ELECTRICAL ENGINEERS - LANDSCAPE ARCHITECTS - LAND SURVEYORS - LAND PLANNERS
 Lutz-Horn-Robert Co. founded 1885 • A.C. Kline & Associates founded 1947 • Shafer, Kline & Warren, P.A. founded 1950
 Shaker, Griffin, Baker, Inc. founded 1944 • Regalado & Associates, Inc. founded 1981

T.R. HUGHES BLVD.
 CITY OF O'FALLON
 BRIDGE ONE TO ONE

SHEET NO.
 2 OF 35
 200846