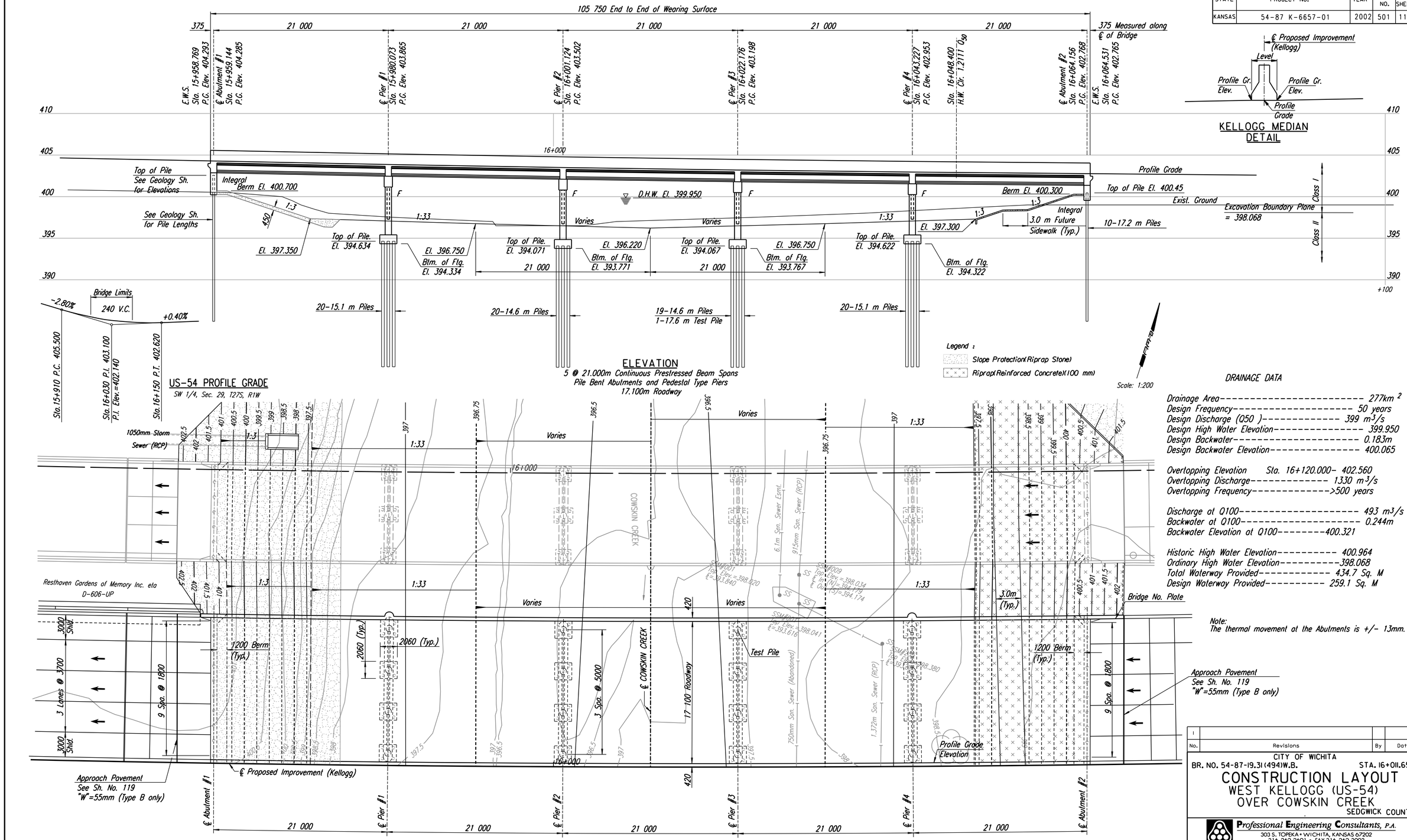
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	54-87 K-6657-01	2002	501	1122



DRAINAGE DATA

Drainage Area ---------- 277km²
Design Frequency ---------- 50 years
Design Discharge (Q50) ---------- 399 m³/s
Design High Water Elevation ---------- 399.950
Design Backwater ---------- 0.183m
Design Backwater Elevation ---------- 400.065

Overtopping Elevation Sta. 16+120.000- 402.560
Overtopping Discharge ---------- 1330 m³/s
Overtopping Frequency ---------->500 years

Discharge at Q100 ---------- 493 m³/s
Backwater at Q100 ---------- 0.244m
Backwater Elevation at Q100 --------400.321

Historic High Water Elevation ---------- 400.964
Ordinary High Water Elevation ----------398.068
Total Waterway Provided ---------- 434.7 Sq. M
Design Waterway Provided ---------- 259.1 Sq. M

Note:
The thermal movement at the Abutments is +/- 13mm.

BM #25-C.O.W. Std. Disc SW corner S. bridge over Cowskin Creek Sta. 15+963.766, 61.66m Rt. Elev. 403.181

BM #26-Chis. "a" center east end ditch inlet in Kellogg median, 73m ± west of Seville. Sta. 16+350.729, 25.78m Rt. Elev. 401.820

No.	Revisions	By	Date
1			

CITY OF WICHITA
BR. NO. 54-87-19.31(494)W.B. STA. 16+011.650

CONSTRUCTION LAYOUT
WEST KELLOGG (US-54) OVER COWSKIN CREEK
SEDGWICK COUNTY

Professional Engineering Consultants, P.A.
303 S. TOPEKA • WICHITA, KANSAS 67202
316-262-2691 • FAX 316-262-3003

Designed by	RAS	Checked by	RAS	
Drawn by	WLL/BJS	Date April, 2002		Job No. 97362

Drawn by: wll/bjs
Plotted by: gdr
h:/1997/97362/As-Builts/dgn's/Vol_3/Sh 501-CONLAYWB.dgn Last Rev: 9-4-07 By: gdr