

FHWA REG NO.	STATE	PROJECT NO.	YEAR	SHEET NO	TOTAL SHEETS
7	Kansas	87N-0195-01	2001	30	127

DRAINAGE DATA

Drainage Area	17.10	km ²
Design Frequency	50	Yr.
Design Discharge (Q50)	81	m ³ /s
Design Velocity @ Q50	1.16	m/s
Design High Water Elevation	402.520	
Design Backwater	0.19	m
Design Backwater Elevation	402.52	

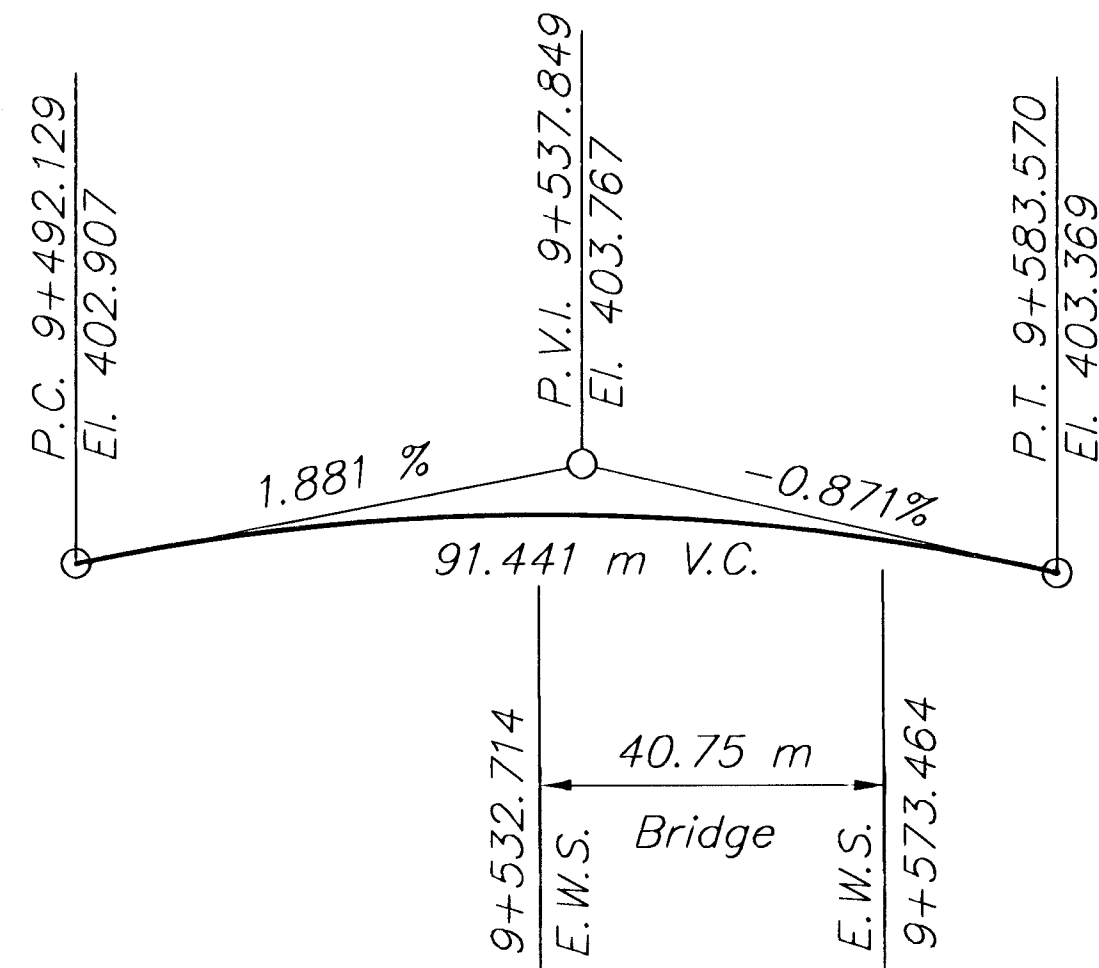
Overtopping Elevation(Sta.9+452)	402.538
Overtopping Discharge	84 m3/s
Overtopping Frequency	58 Yr.

Discharge at Q100	98.8	m ³ /s
Velocity @ Q100	1.3	m/s
Backwater @ Q100	0.23	m
Backwater Elevation @ Q100	402.64	

Historic Highwater Elevation	403.16
Ordinary Highwater Elevation	401.60
Total Waterway Provided	87.3 m ²
Design Waterway Provided	67.3 m ²

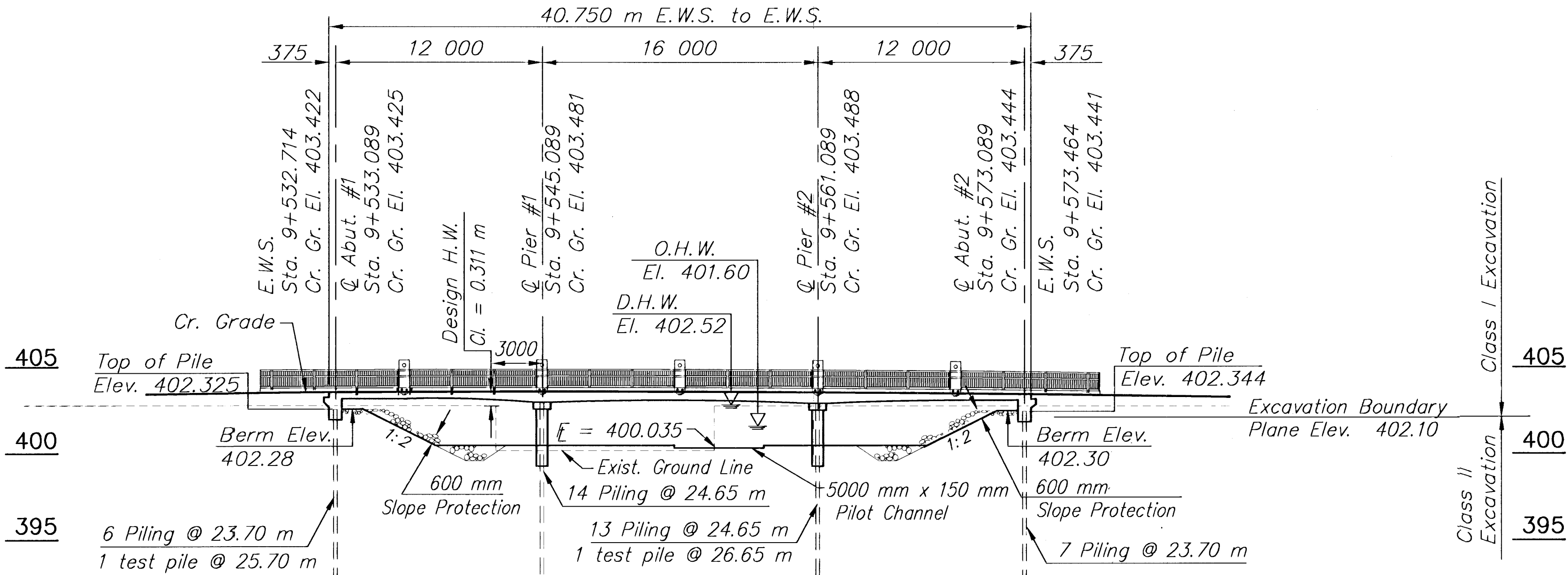
The thermal movement at the abutment is ± 5 mm.

"W" = 25 mm



CROWN GRADE PROFILE

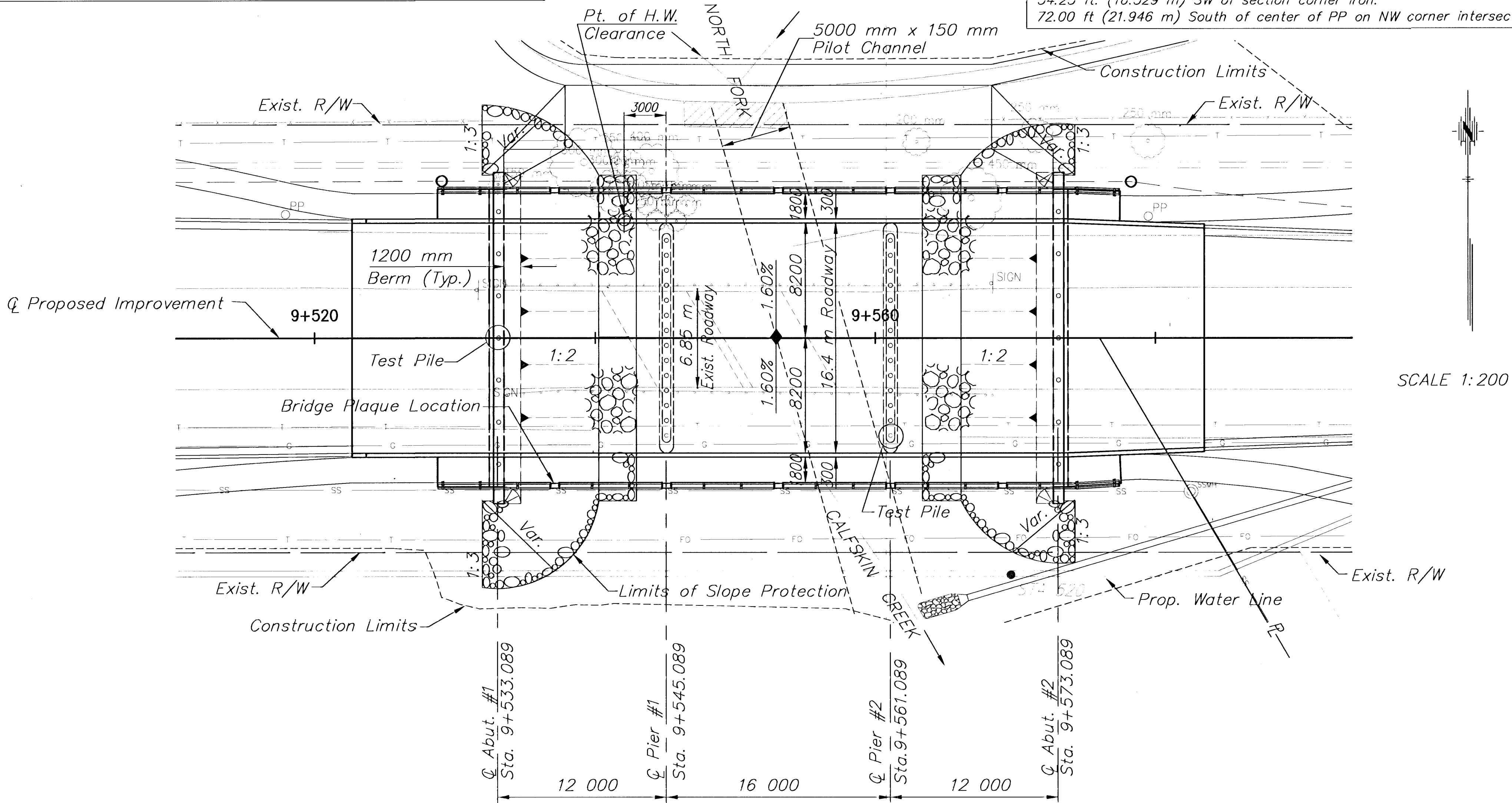
BM #1 Breezy Point Circle and Maple
COW Bench Mark. NW corner hubguard, west side of Breezy Point Circle City 135.61 ft. (41.242 m)
0.3 miles (0.486 km) west of 119th St.
100.00 ft. (30.480 m) +/- north of center line of Maple MSL 1322.71 ft. (403.162 m)



ELEVATION

12-16-12 m R.C. Haunched Slab
Pile Bent Abutments & Piers
16.4 m Roadway with 1.8 m Walkway Lt. & Rt.

BM #2 119th St. West and Maple
COW Bench Mark. SW corner of intersection. City 141.97 ft. (43.272 m)
42.50 ft. (12.924 m) South of center line.
32.70 ft. (9.967 m) West of center line. MSL 1329.37 ft (405.192 m)
54.23 ft. (16.529 m) SW of section corner iron.
72.00 ft. (21.946 m) South of center of PP on NW corner intersection.



PLAN

924 NORTH MAIN
WICHITA, KANSAS 67203

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**MAPLE STREET BRIDGE
(OVER CALFSKIN CREEK)**
PROJECT NAME

CONSTRUCTION LAYOUT
SHEET TITLE

KJS DESIGN BY:
DATE

DPG DRAWN BY:
NOVEMBER 2001

MDK CHECKED BY:
00142LAY
SHEET 7 OF