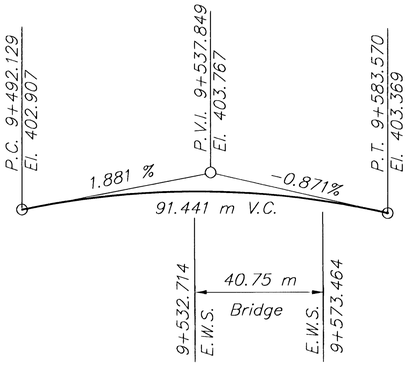
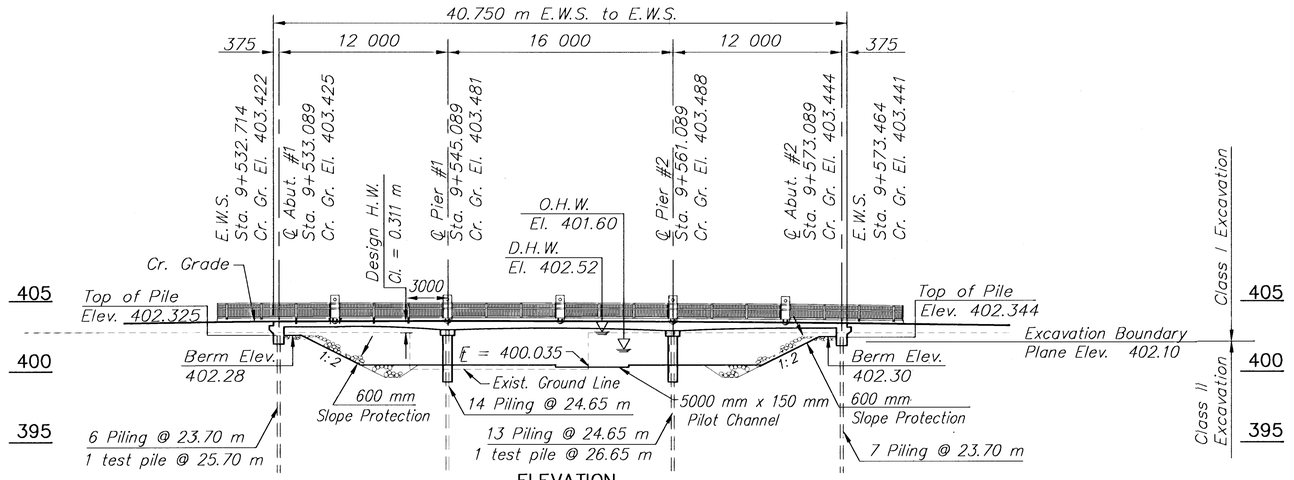
FHWA REG NO.	STATE	PROJECT NO.	YEAR	SHEET NO	TOTAL SHEETS
7	Kansas	87N-0195-01	2001	30	127



CROWN GRADE PROFILE

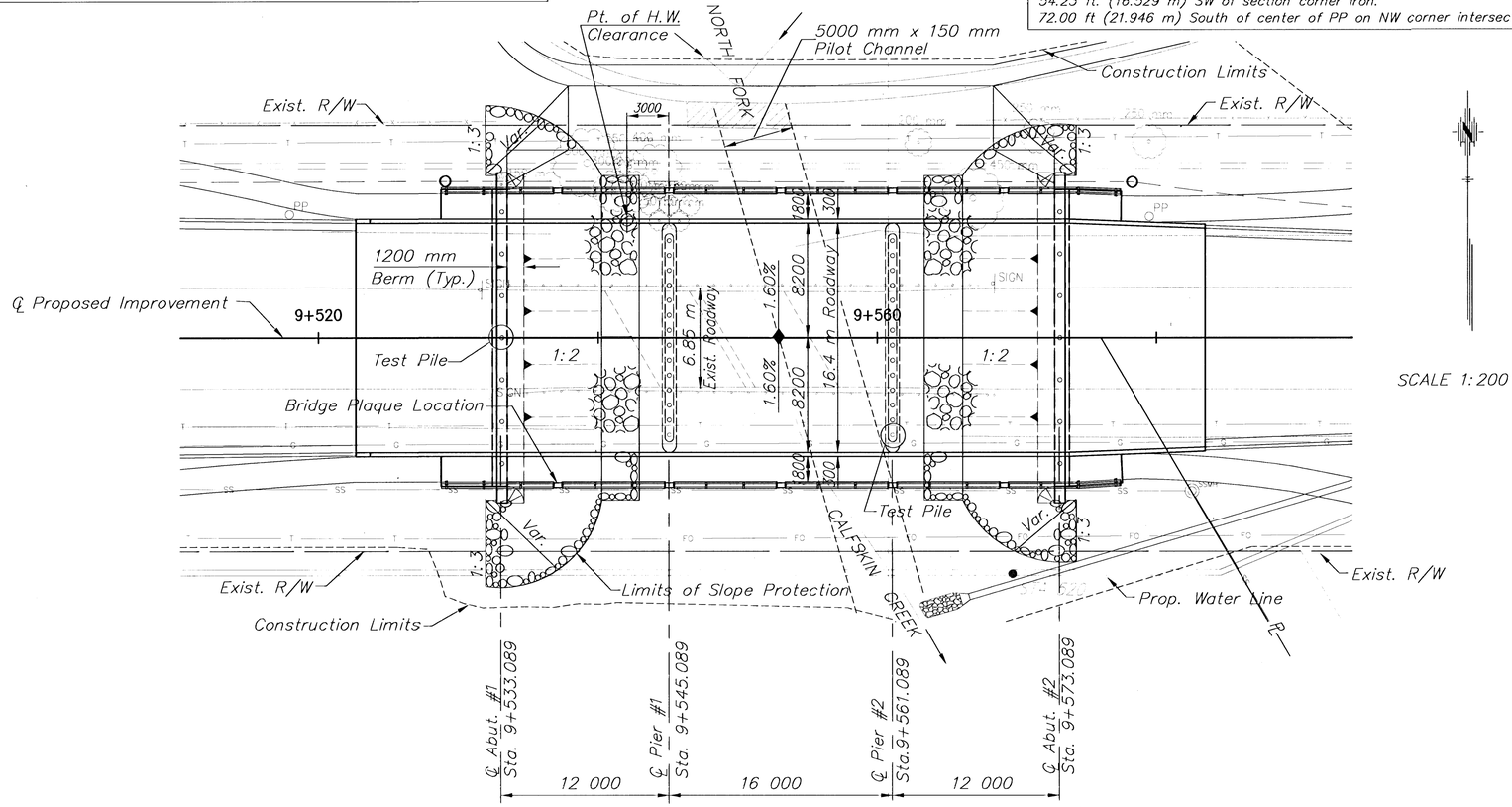


ELEVATION

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

BM #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)

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

SCALE 1:200

DRAINAGE DATA

Drainage Area	17.10	km2
Design Frequency	50	Yr.
Design Discharge (Q50)	81	m3/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	m3/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	m2
Design Waterway Provided	67.3	m2

The thermal movement at the abutment is ± 5 mm.

"W" = 25 mm

SRB 924 NORTH MAIN WICHITA, KANSAS 67203 316-264-8008 FAX 264-4621
SAVOY, RUGGLES & BOHM, P. A.
ENGINEERING & SURVEYING

MKEC ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

MAPLE STREET BRIDGE (OVER CALFSKIN CREEK)
PROJECT NAME

CONSTRUCTION LAYOUT
SHEET TITLE

KJS	DPG	MDK
DESIGN BY:	DRAWN BY:	CHECKED BY:
NOVEMBER 2001	00142LAY	30 / 127
DATE	DRAWING NAME	SHEET / OF

H:\CIVIL\00142\BRIDGE\00142LAY.DWG Wed Nov 21 11:54:45 2001

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