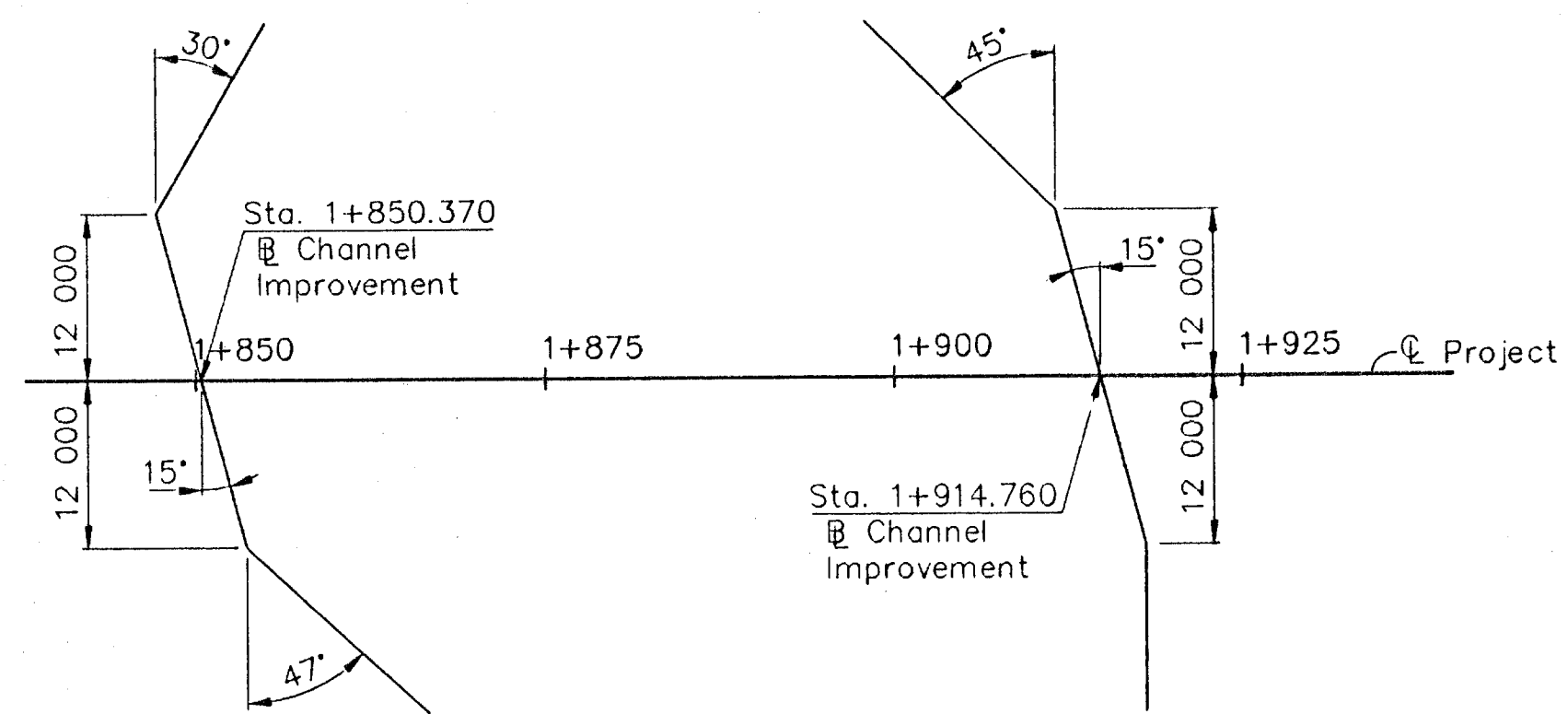


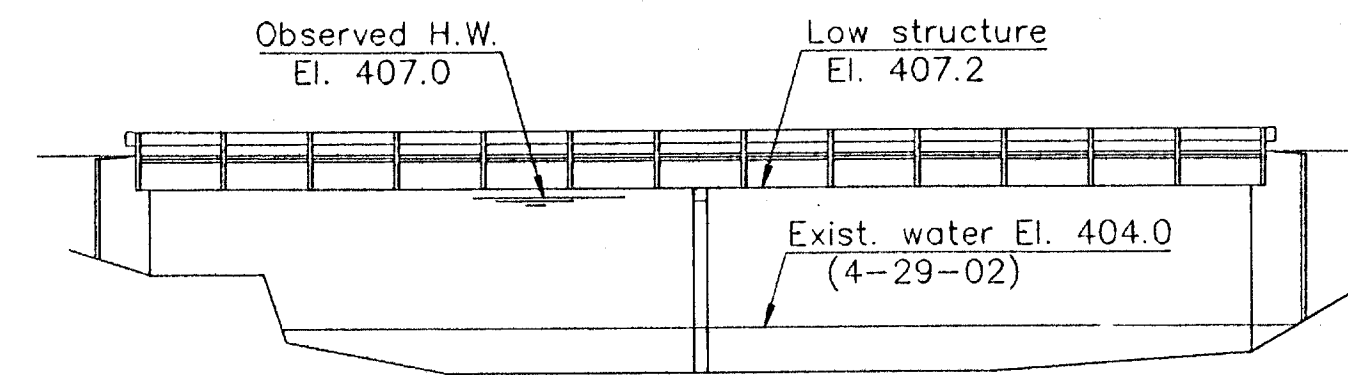
- Ref. P.O.T. @ Sta. 1+678.476
1. Set .013 m Rebar
 2. Spike & Washer in Top 1 m Stump 11.27 SSE
 3. Spike & Washer in Power Pole 8.97 N
 4. 0.20 m North of Exist. @ Asph. Road

- Ref. P.O.T. @ Sta. 2+034.641
1. Set .013 m Rebar
 2. Spike & Washer in Power Pole 10.60 NE
 3. Spike & Washer in Power Pole 27.64 ENE
 4. 0.20 m North of Exist. @ Asph. Road

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0230-01	2003	24	73



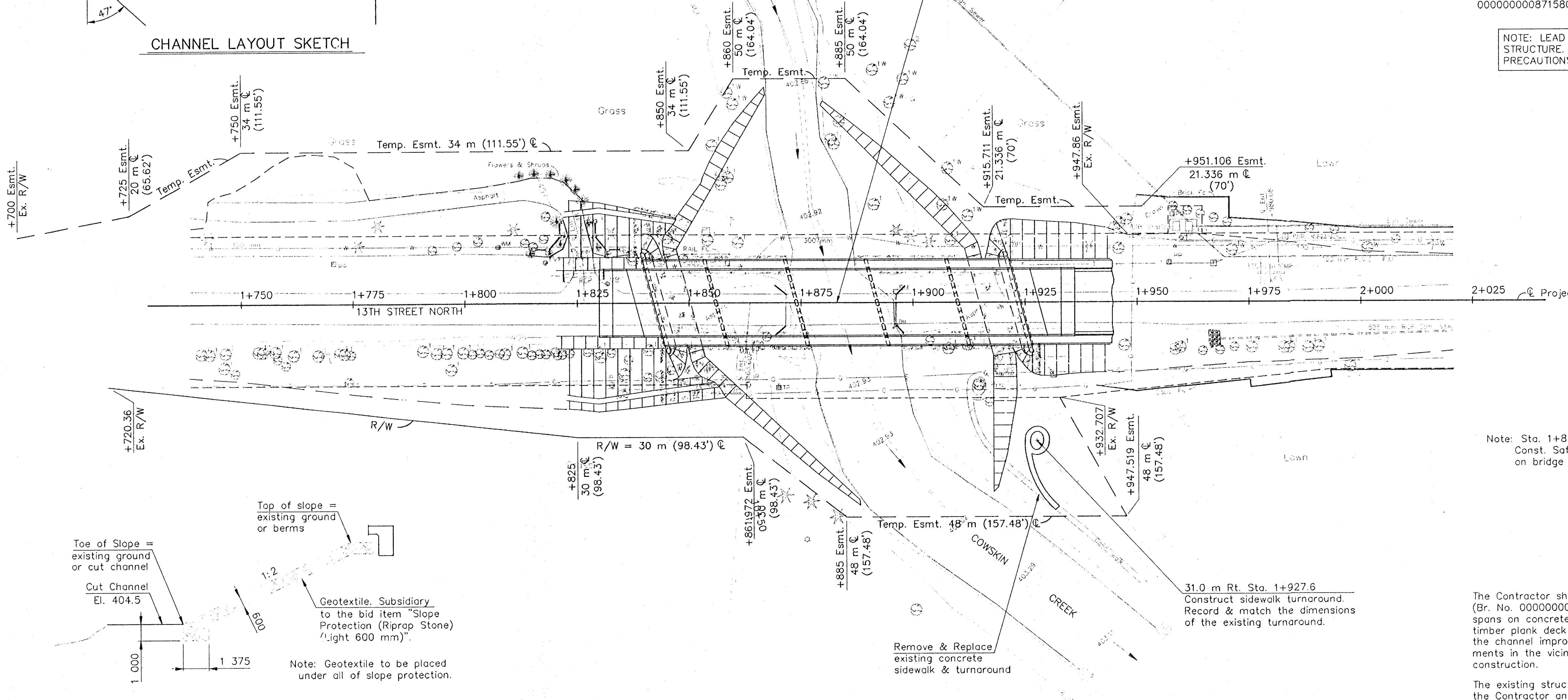
CHANNEL LAYOUT SKETCH



SKETCH OF EXISTING STRUCTURE

2 @ 12.2 m Steel beam spans on concrete and timber substructure. 7.3 m Roadway timber with asphalt overlay deck and steel guard fence rail. Existing waterway = 90 sq m. Bridge number 00000000871580.

NOTE: LEAD PAINT ON THE EXISTING STRUCTURE. OBSERVE THE NECESSARY PRECAUTIONS.

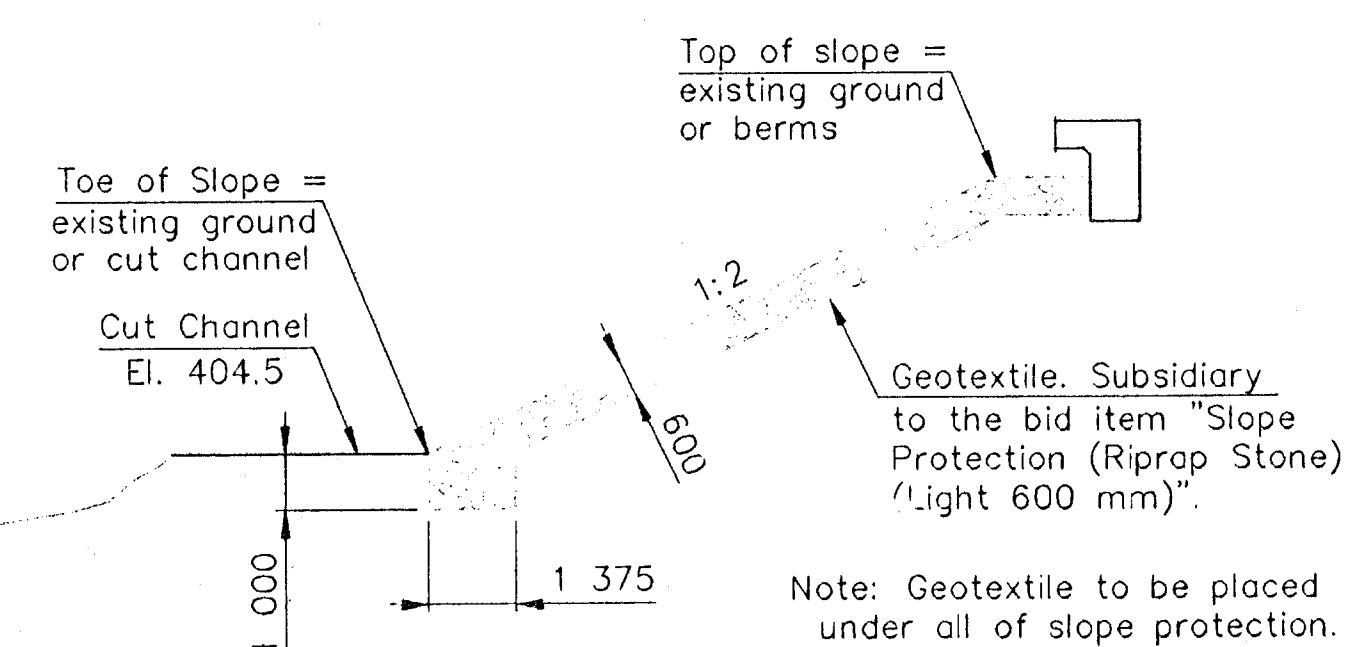


Scale = 1:500
Contour Interval = 1 m

Note: Sta. 1+842.086 & Sta. 1+923.914 Const. Safety Barrier (Special) Lt. & Rt. on bridge approach pavement.

The Contractor shall remove the existing structure (Br. No. 00000000871580) (2-12.2 m Steel Beam spans on concrete and timber substructure. 7.3 m timber plank deck with asphalt overlay.) and excavate the channel improvements and complete the embankments in the vicinity of the new structure, prior to construction.

The existing structure shall become the property of the Contractor and shall be removed from the site.



SLOPE PROTECTION DETAIL

(Showing typical section of channel improvement)

Note: The Contractor shall construct "Slope Protection (Riprap Stone) (Light 600 mm)" on the berm slopes as follows:
Berm slope No. 1 = 440 cu m
Berm slope No. 2 = 325 cu m
Total = 765 cu m

SEC. 13 T27S R2W

BM #1 - R.R. Spike in Power Pole 9.00 m Lt. Sta. 1+678.93 Elev. = 407.247

BM #2 - "O" Cut in abutment at NE corner of bridge 2.39 m Lt. Sta. 1+896.19 Elev. = 407.728

BM #3 - "O" Cut found on inlet at Cedar Park & 13th St. 4.94 m Rt. Sta. 2+068.38 Elev. = 409.920

PROJECT NO. 87 N-0230-01			
CONTOUR MAP		Cook, Flatt & Strobel ENGINEERS, P.A.	
DESIGNED KMB	SCALE	DATE	SHEET
QUANTITIES	OF	DATE	OF

13TH STREET NORTH OVER COWSKIN CREEK
STA. 1+883 CITY OF WICHITA

J: 02517/DWGS/CNT-MAP 1:500