

Ref. SW Cor. Sec 4 T27S R1E= Sta. 1+656.022  
 1. Fnd. 0.21 m Iron Pipe in Thimble  
 2. "X" cut top West curb of traffic island  
 3. "X" cut top conc. curb  
 4. "X" cut top conc. curb  
 5. To N.W. cor. of brick bldg.  
 6. In  $\odot$  of Broadway North to South

Ref. P.O.T. @ Sta. 1+889.868  
 1. Set 0.13 m Rebar  
 2. "□" cut top conc. curb (BM #1)  
 3. Spike & washer in power pole  
 4. Spike & washer in power pole

Ref. P.O.T. @ Sta. 2+081.621  
 1. Set 0.13 m Rebar  
 2. "□" cut top conc. curb (BM #2)  
 3. Spike & washer in power pole  
 4. To the S.E. cor. of bldg.

Ref. S 1/4 Cor. Sec 4 T27S R1E = Sta. 2+471.489  
 1. Fnd. 0.21 m Iron Pipe in Thimble  
 2. "X" cut top S.W. cor. conc. block @ S.W. cor. bldg.  
 3. Nail & shinner in power pole  
 4. 60 d nail in power & light pole  
 5. To east rail of east set of tracks  
 6. C.O.W. brass disk in S.W. cor R.R. signal base  
 6. In  $\odot$  E-W asphalt street

17.100 NNE  
 8.910 SSE  
 20.230 SW  
 8.300 W  
 9.080 NNW

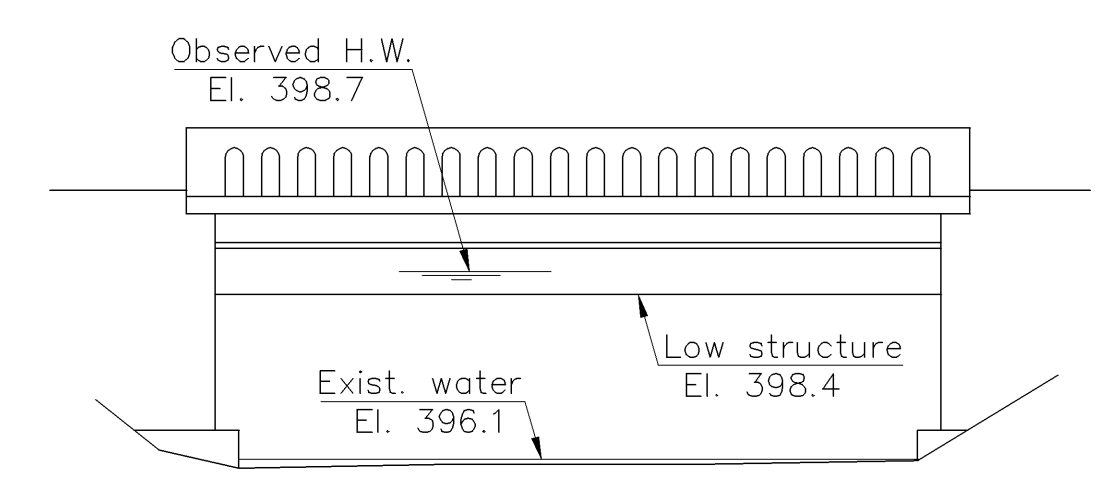
SEC. 4 T27S R1E

DRAINAGE DATA

DRAINAGE AREA = 9.1 sq km  
 OBSERVED H.W. ELEV. = 398.70

FLOOD	Q-m <sup>3</sup> /s	V-m/s	**ELEVATION
10 YEAR	44	1.7	397.95
25 YEAR	67	2.0	398.50
50 YEAR	86	2.3	398.90
*100 YEAR	108	2.7	399.25

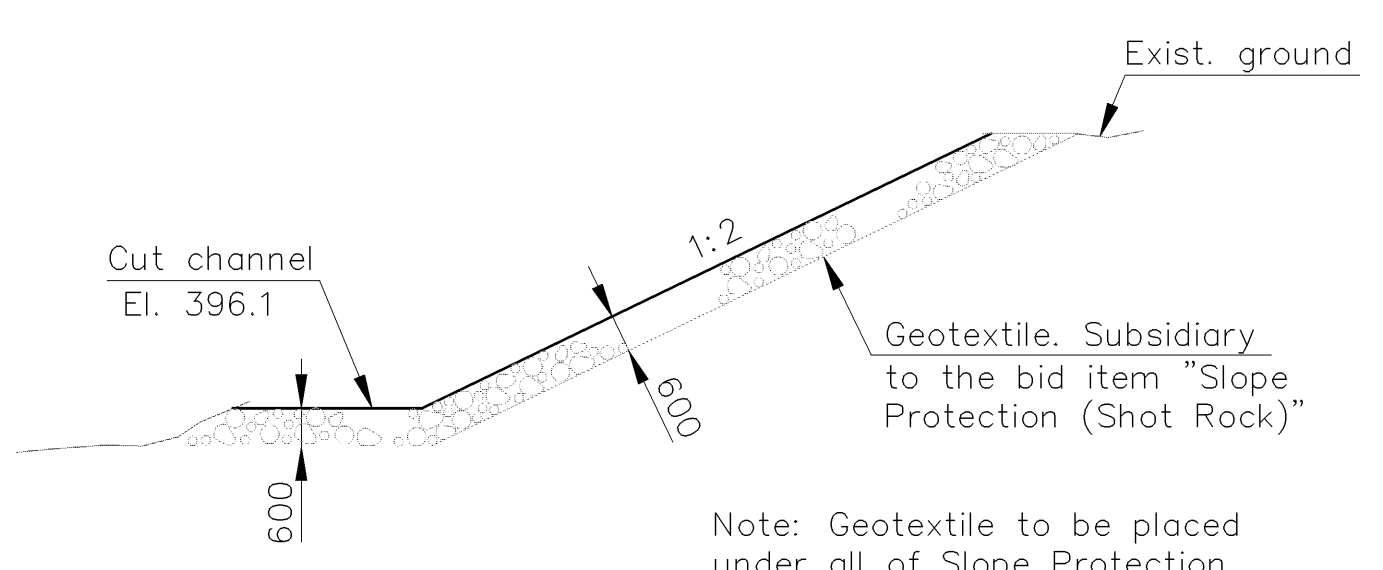
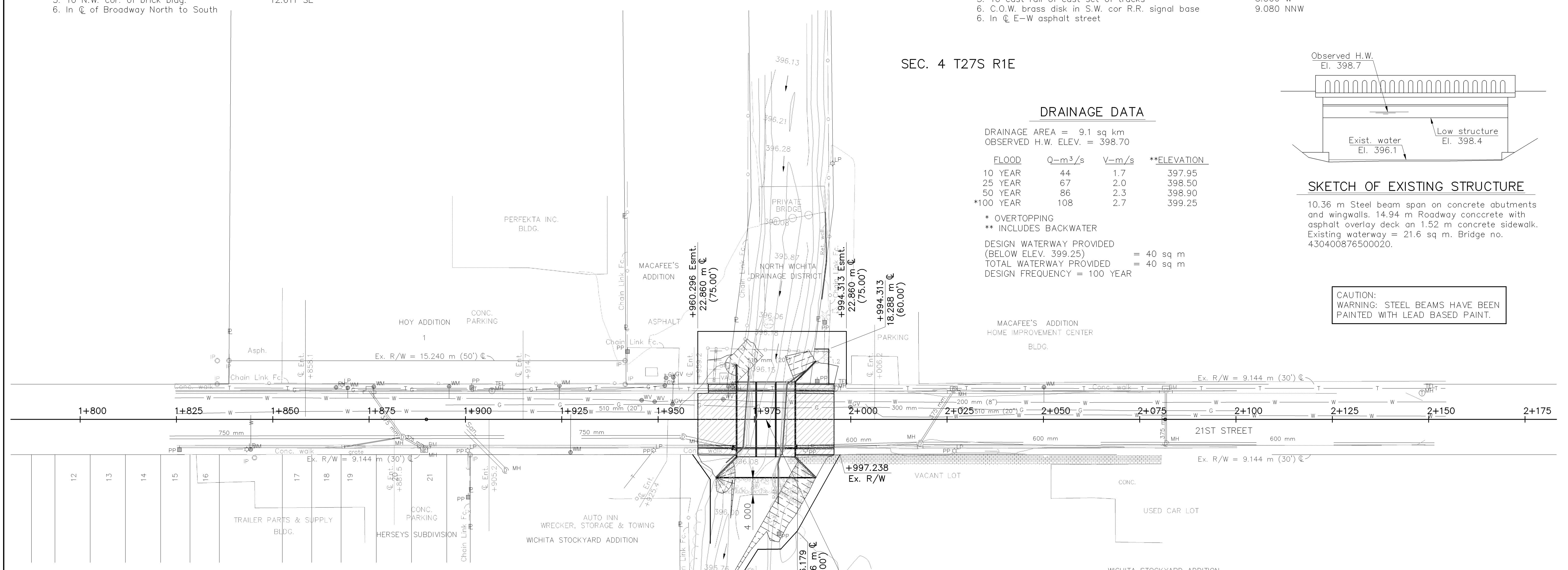
\* OVERTOPPING  
 \*\* INCLUDES BACKWATER  
 DESIGN WATERWAY PROVIDED (BELOW ELEV. 399.25) = 40 sq m  
 TOTAL WATERWAY PROVIDED = 40 sq m  
 DESIGN FREQUENCY = 100 YEAR



SKETCH OF EXISTING STRUCTURE

10.36 m Steel beam span on concrete abutments and wingwalls. 14.94 m Roadway concrete with asphalt overlay deck on 1.52 m concrete sidewalk. Existing waterway = 21.6 sq m. Bridge no. 430400876500020.

CAUTION:  
 WARNING: STEEL BEAMS HAVE BEEN PAINTED WITH LEAD BASED PAINT.

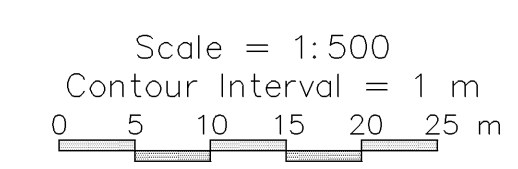


TYPICAL SECTION CHANNEL IMPROVEMENT

(Showing Slope Protection)  
 The Contractor shall construct "Slope Protection (Shot Rock)" on the downstream channel and slopes to the limits shown. Total = 72 cu m.

Sta. 1+978.000; Const.  
 3-4.875 x 2.745 x 19.43 m  
 R.F.B. Bridge  
 14.63 m Roadway with 1.8 m sidewalks Lt. & Rt.  
 See Sh. No's. 6-10

SEC. 9 T27S R1E



Note: The Contractor shall construct Concrete Safety Barriers (Special) as follows:  
 Sta. 1+963.07 to Sta. 1+970.27 Lt.  
 Sta. 1+960.37 to Sta. 1+970.27 Rt.  
 Sta. 1+985.73 to Sta. 1+995.63 Lt. & Rt.

NOTES

The Contractor shall remove the existing structure (Br. No. 430400876500020) (10.36 m Steel Beam Span with concrete substructure and wingwalls, 14.94 m asphalt roadway on concrete deck and 1.52 m concrete walkway and concrete rails.) and excavate the channel improvements within the vicinity of the new structure, prior to its construction.

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

KANSAS DEPARTMENT OF TRANSPORTATION

CONTOUR MAP

21ST ST OVER CHISHOLM CREEK

STA. 1+978 CITY OF WICHITA

DESIGNED \_\_\_\_\_ SCALE \_\_\_\_\_  
 DETAILED \_\_\_\_\_ DATE \_\_\_\_\_  
 QUANTITIES \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_

B.M. #1 - "□" cut at  $\odot$  inlet south side 21st St.  
 7.4 m Rt. Sta. 1+889.868 Elev.=399.265

B.M. #2 - "□" cut top back of curve at W. end of curb inlet N. side 21st St.  
 7.4 m Lt. Sta. 2+081.621 Elev.=399.178