

E.F. INDICATES EACH FACE.
 N.F. INDICATES NEAR FACE.
 F.F. INDICATES FAR FACE.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	54-87 K-8258-07	2004	25	101

NOTE: ALL STATIONING AND OFFSETS SHOWN ARE MEASURED FROM BACKFACE OF BARRIER RAIL TO THE CENTERLINE OF EASTERN.

SPECIAL CONCRETE BARRIER RAIL NOTES

SPECIAL CONCRETE BARRIER RAIL SHALL BE PAID FOR AS CONCRETE AND REINFORCING STEEL. EXPANSION JOINT FILLER MATERIAL (TYPE B) SHALL BE SUBSIDIARY TO THE BID ITEM CONCRETE (GRADE 30) (AE).

UNIT STRESSES:
 CONCRETE (GRADE 30)(AE) $f_c = 30 \text{ MPa}$
 REINFORCING STEEL (GRADE 420) $f_y = 420 \text{ MPa}$

BEVEL ALL EXPOSED EDGES WITH A 20 mm TRIANGULAR MOLDING, UNLESS OTHERWISE NOTED ON THE PLANS. FORMED JOINTS SHALL BE EDGED WITH A 6 mm RADIUS EDGING TOOL FOR THE LENGTH OF THE JOINT.

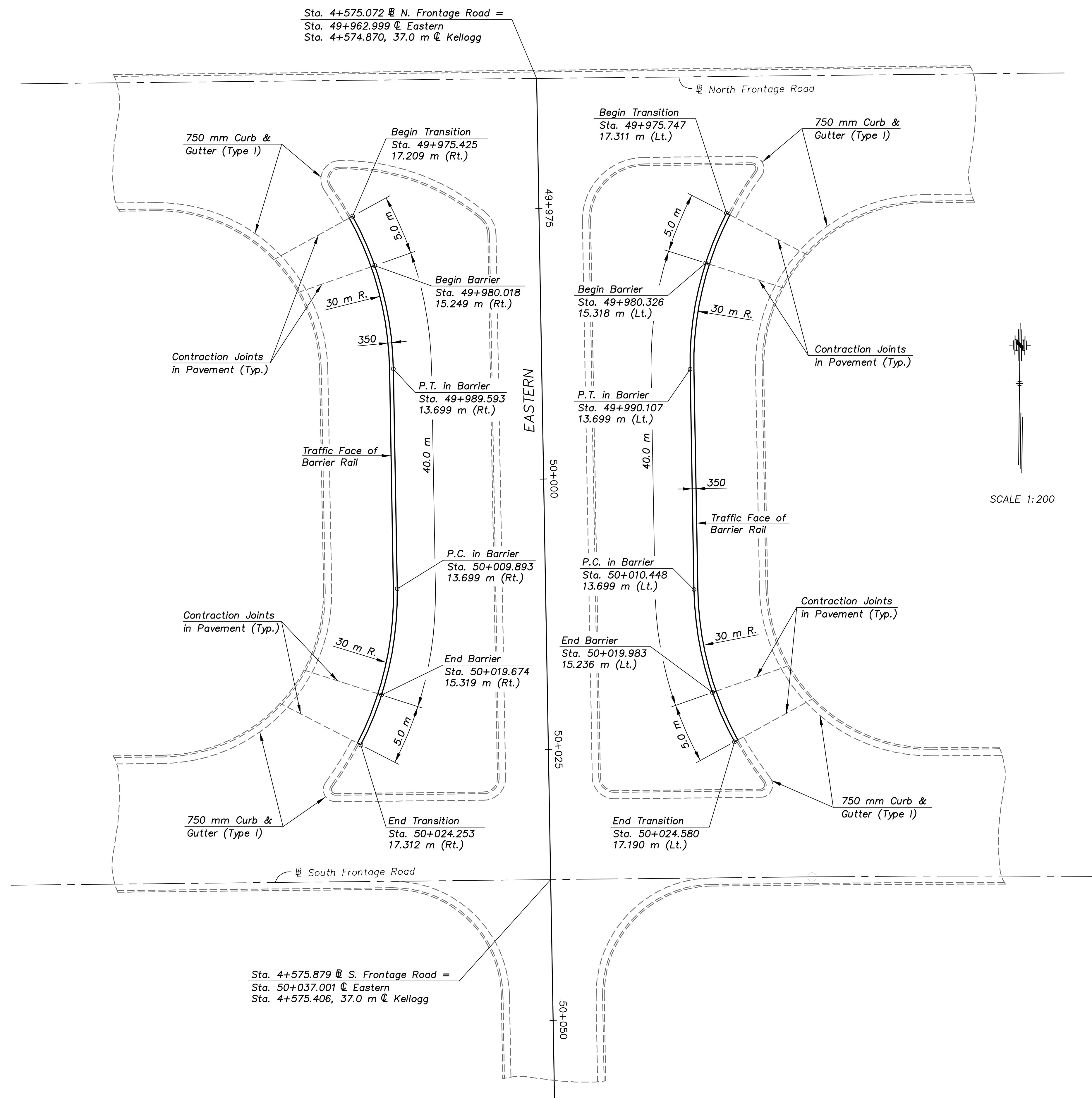
ALL DIMENSIONS RELATIVE TO THE PLACEMENT OF REINFORCING STEEL ARE TO THE CENTERLINE OF BARS UNLESS OTHERWISE NOTED. ALL REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF A615M-96, GRADE 420. ALL REINFORCING SHALL BE COATED WITH EPOXY AS SET FORTH IN THE K.D.O.T. STANDARD SPECIFICATIONS, 1990 EDITION. ALL BAR SUPPORTS SHALL BE COATED.

CLEARANCE FROM FACE OF CONCRETE TO REINFORCING STEEL SHALL BE 50 mm, EXCEPT AS SHOWN.

SUMMARY OF QUANTITIES

Concrete (Grade 30)(AE)	25.3 cu m
Reinforcing Steel (Grade 420) (Epoxy Coated)	5180 kg

NOTE: QUANTITIES SHOWN ARE FOR INFORMATION ONLY THE CONTRACT WILL BASED ON A LUMP SUM BID AS NOTED IN THE PROJECT SPECIAL PROVISIONS.



Sta. 4+575.072 @ N. Frontage Road =
 Sta. 49+962.999 @ Eastern
 Sta. 4+574.870, 37.0 m @ Kellogg

Sta. 4+575.879 @ S. Frontage Road =
 Sta. 50+037.001 @ Eastern
 Sta. 4+575.406, 37.0 m @ Kellogg

1:100
 \MISC-DETAILS\BARRIER-SPECIAL

KANSAS DEPARTMENT OF TRANSPORTATION

LAYOUT FOR SPECIAL
 CONCRETE BARRIER RAIL
 EASTERN STA. 50+000 (LT. & RT.)

Proj. No. 54-87 K-8258-07 SEDGWICK COUNTY



DESIGNED	R.S.C.	SCALE
DETAILED	T.R.G.	DATE
QUANTITIES	T.R.G.	SHEET
		1 OF 4