

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-8258-01	2007	73	556

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

SPECIAL CONCRETE BARRIER RAIL NOTES

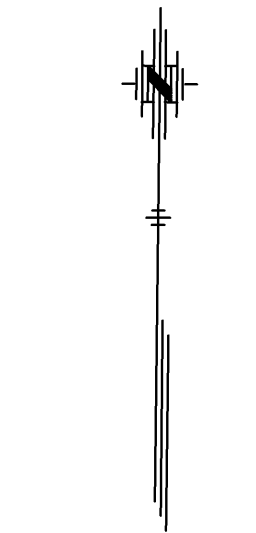
SPECIAL CONCRETE BARRIER RAIL SHALL BE PAID FOR AS CONCRETE AND REINFORCING STEEL. EXPANSION JOINT FILLER MATERIAL (TYPE B) SHALL BE BE SUBSIDIARY TO THE BID ITEM CONCRETE (GRADE 31) (AE).

UNIT STRESSES:
 CONCRETE (GRADE 31)(AE) $f'_c = 31 \text{ MPa}$
 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.

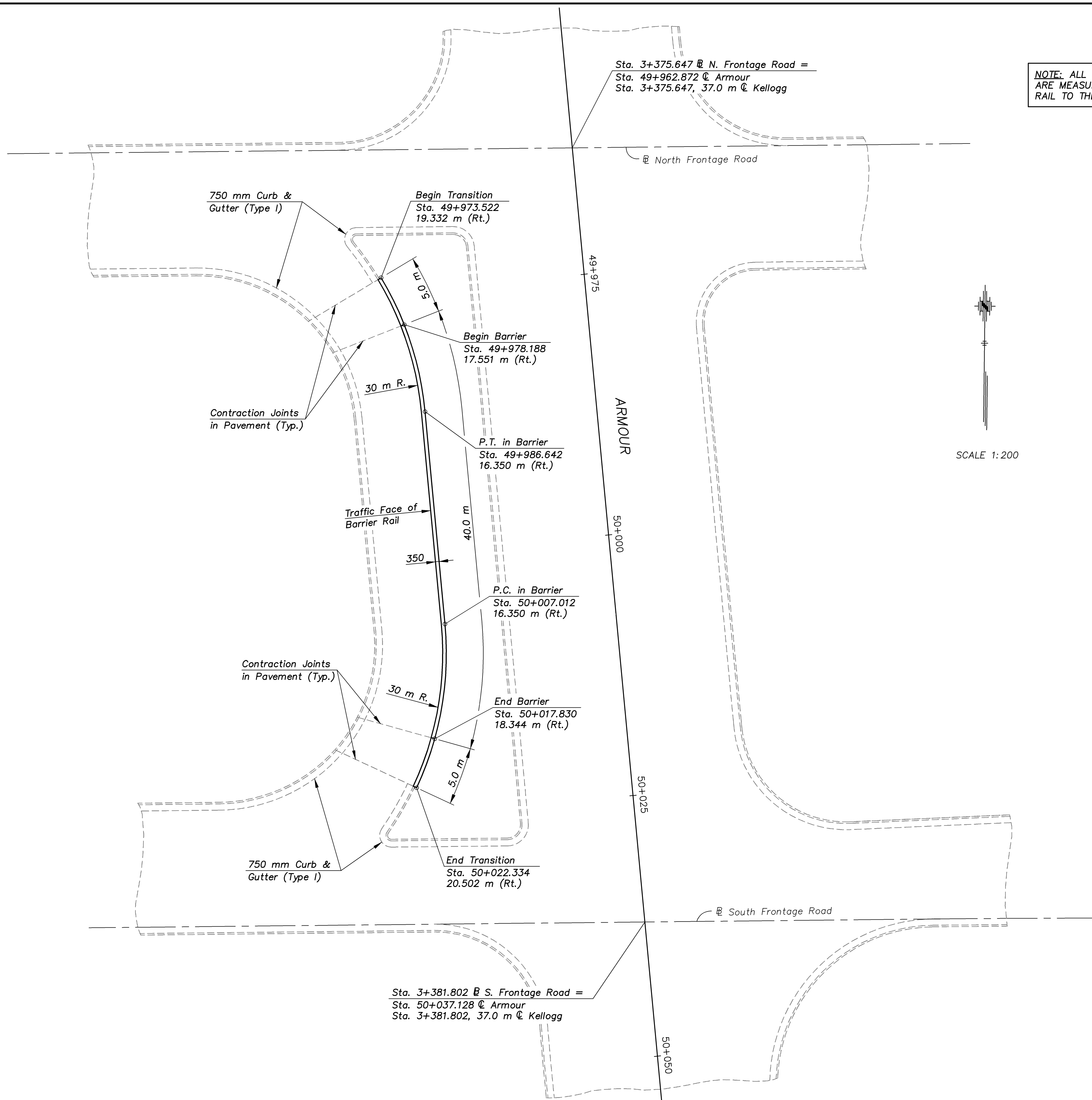


SCALE 1:200

SUMMARY OF QUANTITIES

Concrete (Grade 31)(AE)	12.6 cu m
Reinforcing Steel (Grade 420) (Epoxy Coated)	2590 kg

BARRIER-SPECIAL 1:100



KANSAS DEPARTMENT OF TRANSPORTATION

LAYOUT FOR SPECIAL
 CONCRETE BARRIER RAIL
 ARMOUR STA. 50+000 (RT.)

Proj. No. 54-87 K-8258-01

SEDGWICK COUNTY



Cook, Flatt & Strobel
 ENGINEERS, P. A.

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