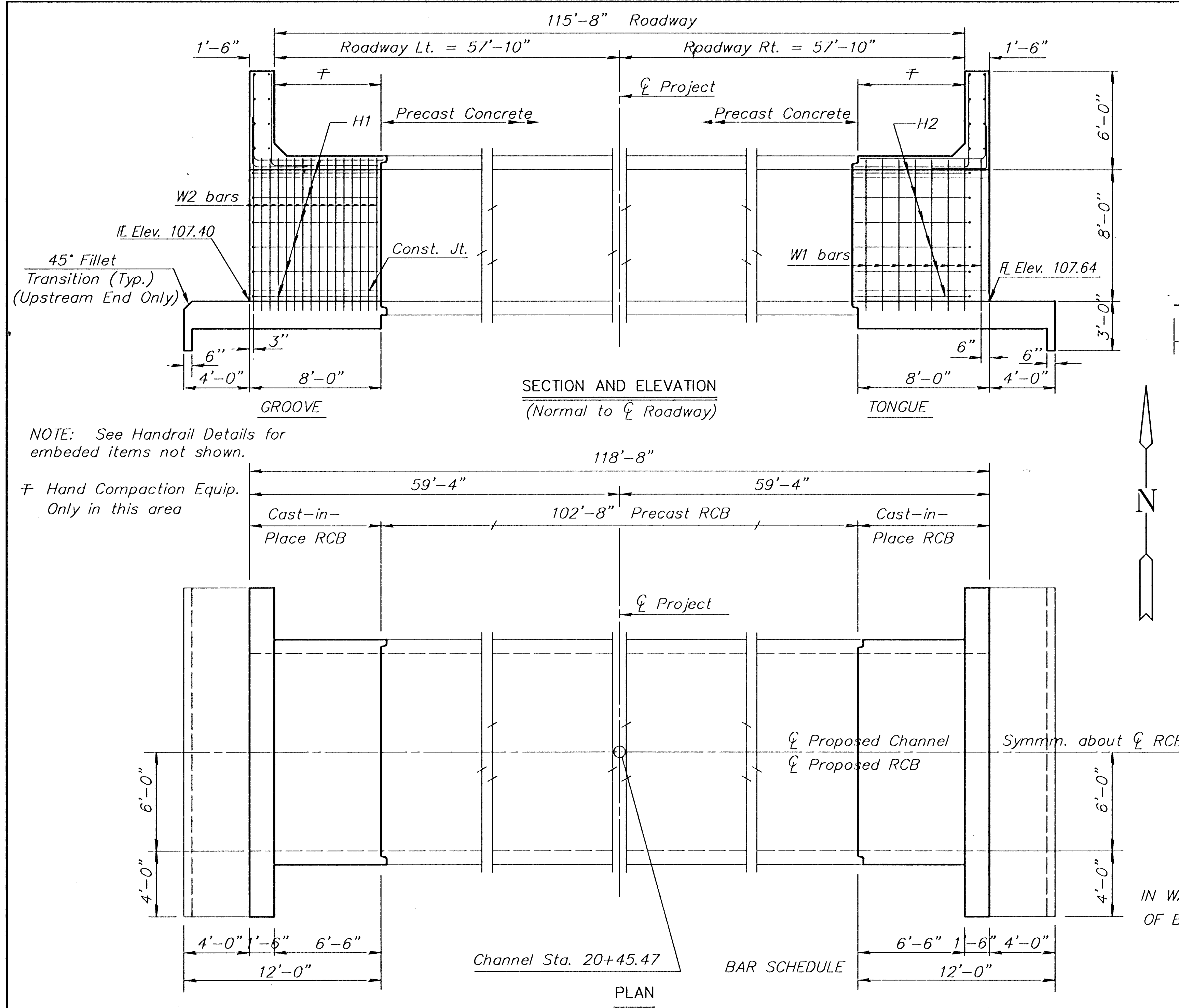




NOTE: See Handrail Details for embedded items not shown.

Hand Compaction Equip. Only in this area

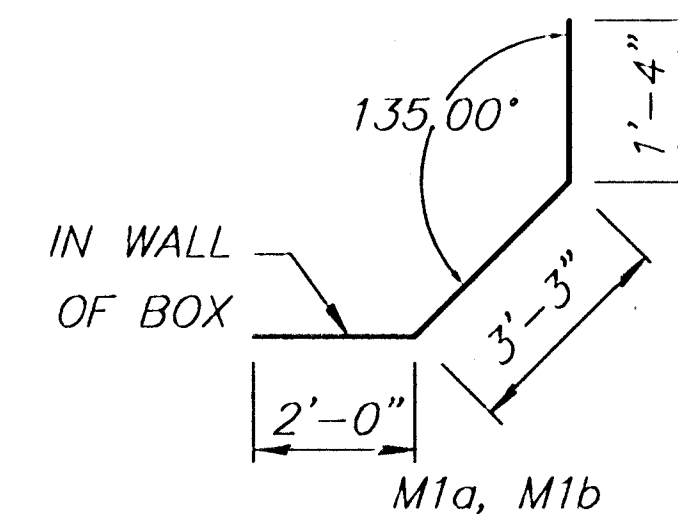
SECTION AND ELEVATION
(Normal to Roadway)

PLAN

BAR SCHEDULE



IN WALL OF BOX



BENDING DIAGRAMS

(All dimensions are out to out of bars)

* See Bending Diagram																							
C1				C2				C3				C4				D1				D2			
Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length
6	6	32	13'-0"	5	18"	12	13'-0"	5	18"	12	19'-6"	5	A.N.	8	6'-3"	8	6"	52	11'-6"	8	6"	52	11'-6"
D3				H1g *				H1t *				H2g *				H2t *				H3g *			
Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length
5	12"	16	5'-0"	5	9"	8	12'-10"	5	9"	8	12'-6"	5	9"	8	11'-8"	5	9"	8	12'-0"	5	9"	14	11'-4"
H3t *				H4g *				H4t *				H5				V1				V2			
Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length
5	9"	14	11'-0"	5	9"	14	10'-2"	5	9"	14	10'-6"	5	9"	32	35'-6"	5	12"	32	13'-8"	5	12"	8	8'-2"
V3				V4g *				V4t *				V5g *				V5t *				S1			
Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length
5	12"	56	5'-2"	6	10"	15	12'-1"	6	10"	15	12'-5"	6	10"	15	13'-4"	6	10"	15	13'-0"				

GENERAL NOTES

LOADING: HS20-44 AASHTO Specifications, 1992 Edition.
UNIT STRESSES: Class AAA Concrete; $f'_c = 4,000$ p.s.i.
Reinforcing Steel; $f_y = 60,000$ p.s.i.

CONCRETE: Class AAA (AE) Concrete shall be used throughout.
Bevel all exposed edges with a $3/4"$ triangular moulding.

REINFORCING: All reinforcing shall conform to ASTM A615,
Grade 60. All dimensions relative to reinforcing steel shall
be to centerline of bar unless otherwise noted.

EXCAVATION: Excavation for culvert shall not be paid for directly
but shall be subsidiary to Class AAA (AE) Concrete.

FOUNDATION STABILIZATION: Foundation Stabilization may be
required as directed by the Engineer. The depth of Foundation
Stabilization shall be determined by the Engineer. Foundation
Stabilization shall be paid for at the determined Unit Price
set for Foundation Stabilization.

GRANULAR BACKFILL (WINGWALLS): Special backfill procedures
may be required at the direction of the Engineer.

STRIKE LINE: Wingwalls and that portion of the RCB outside the
Strike Line shall be constructed level. Footing for wingwalls shall
be constructed with the culvert floor.

FOUNDATION AND BACKFILL MATERIAL: Soils judged as high plasticity
clays, fat clays, expansive clays, or organic clays are unsuitable
for foundation and/or backfill material for wingwalls and will not
be used. Where these conditions exist, Foundation Stabilization
and/or Granular Backfill (Wingwalls) shall be used as determined
by the Engineer.

NOTE:
Designators g and t refer to groove and tongue.
M1a and M1b are side and top of box respectively.
A.N. as noted.

LEGEND

O.F. = OTHER FACE
E.F. = EACH FACE

SUMMARY OF QUANTITIES

Class AAA Concrete (AE)	80	C.Y.
Reinforcing Steel (Epoxy Coated)	11,925	Lbs.



MID-KANSAS ENGINEERING
CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

STORM WATER IMPROVEMENTS
AREA "K" - 3RD STREET
PROJECT NAME

12' X 8' RCB DETAILS
SHEET TITLE

JAH DESIGN BY:	DPG DRAWN BY:	KJS CHECKED BY:
JUNE 1996 DATE	93031RCB JOB NO.	66 / 77 SHEET/OF