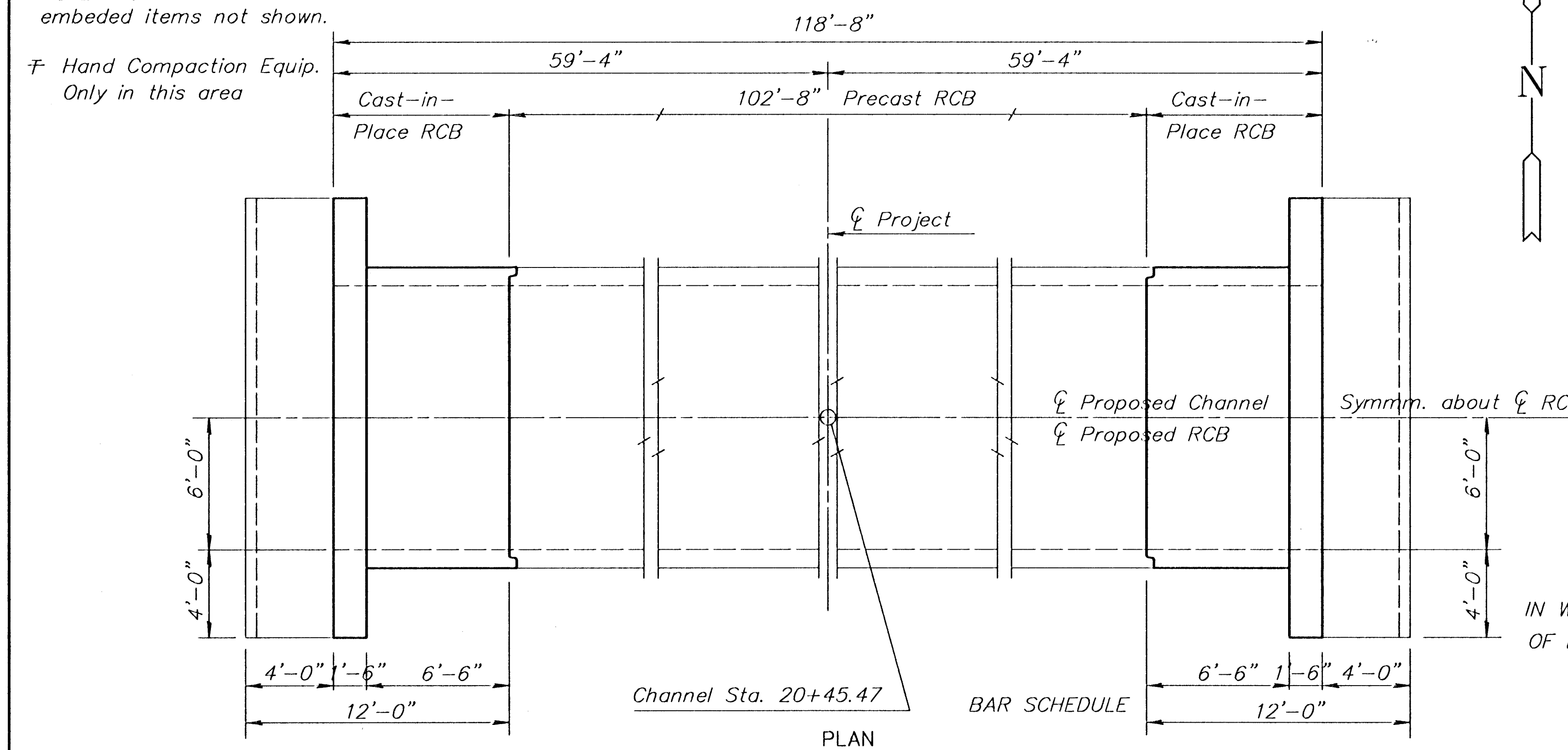


NOTE: See Handrail Details for embedded items not shown.

F Hand Compaction Equip. Only in this area

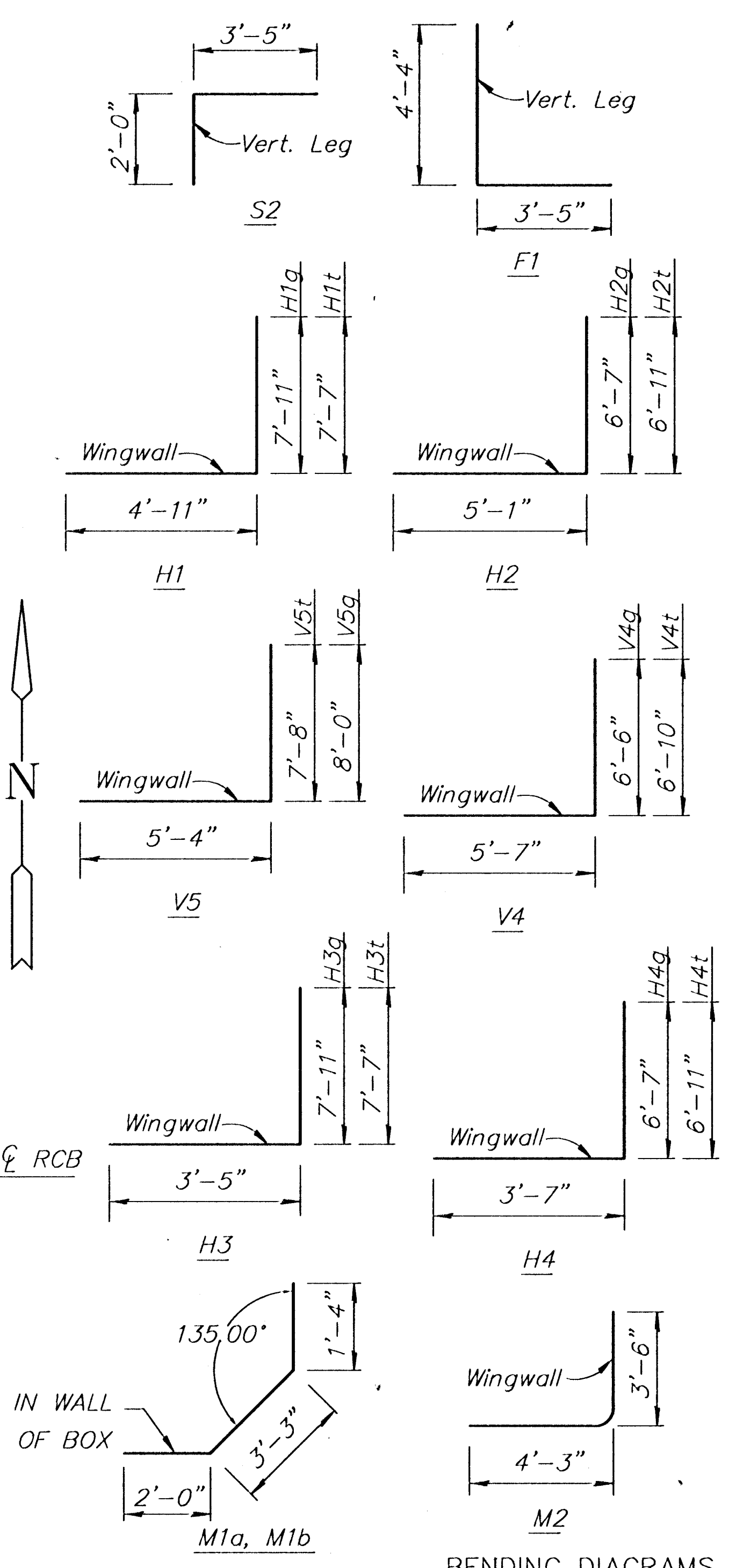


SECTION AND ELEVATION
(Normal to Roadway)

PLAN

* See Bending Diagram

C1		C2				C3				C4				D1				D2				M1a																	
Size	Spa.	No.	Length	Size	Spa.	No.	Length	Size	Spa.	No.	Length	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 *				F1 *				M1b *				M2 *				M3 *			
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"	5	6"	64	7'-9"	4	10"	30	6'-7"	6	18"	24	7'-9"	6	10"	30	7'-9"
H3t *				H4g *				H4t *				H5				V1				V2				S1				S2 *				W1				W2			
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"	6	6"	32	13'-0"	5	6"	64	5'-5"	4	12"	32	10'-0"	5	6"	60	7'-4"
V3				V4g *				V4t *				V5g *				V5t *																							
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"																				



BENDING DIAGRAMS

(All dimensions are out to out of bars)

GENERAL NOTES

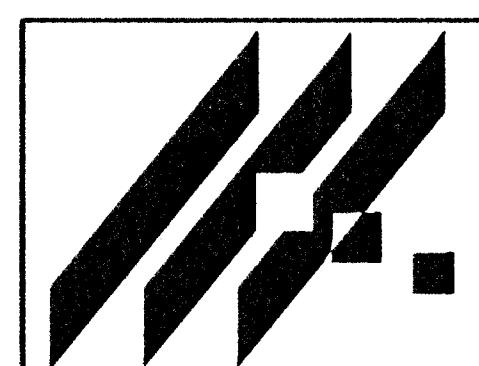
- LOADING: HS20-44 AASHTO Specifications, 1992 Edition.
- UNIT STRESSES: Class AAA Concrete; $f'_c = 4,000$ p.s.i. Reinforcing Steel; $f_y = 60,000$ p.s.i.
- CONCRETE: Class AAA (AE) Concrete shall be used throughout. Bevel all exposed edges with a 3/4" triangular moulding.
- REINFORCING: All reinforcing 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.



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

12' X 8' RCB DETAILS
SHEET TITLE

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

JAH DESIGN BY. DPG DRAWN BY. KJS CHECKED BY.
JUNE 1996 DATE 93031RCB JOB NO. 66 177 SHEET/OF