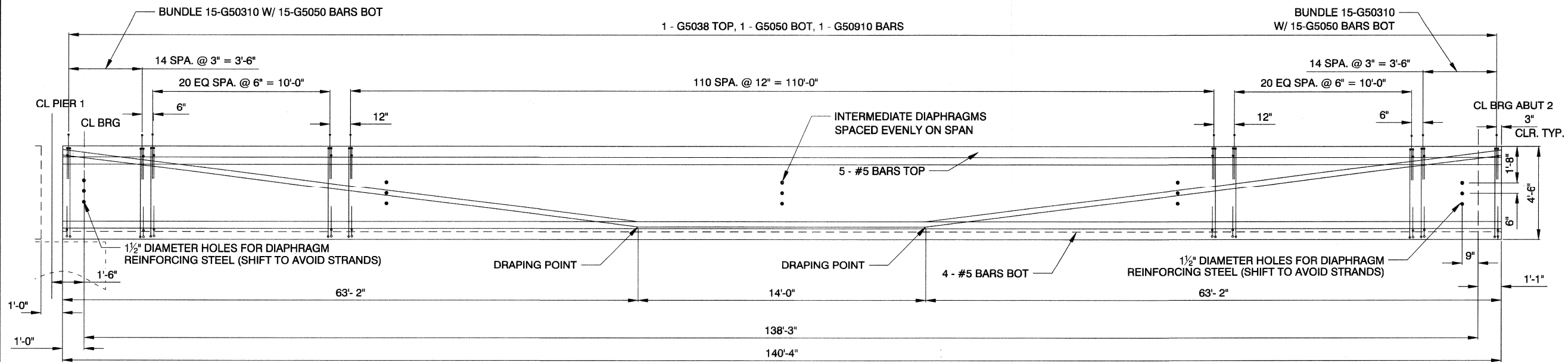


SPAN	GIRDER	SPAN LENGTH	PLAN LENGTH	Min. Concrete Compressive Strength (ksi)		HARPED		STRAIGHT		PRESTRESSING FORCE AFTER ALL LOSSES (KIPS)	Location of C.G. Strands		Camber (inch)	
				f <sub>ci</sub>	f <sub>c</sub>	NUMBER OF STRANDS	JACKING FORCE (KIPS)	NUMBER OF STRANDS	JACKING FORCE (KIPS)		E <sub>e</sub> (inch)	E <sub>cL</sub> (inch)	A <sub>r</sub>	A <sub>d</sub>
2	1 to 5	138'-3"	140'-4"	6.0	7.5	8	351.5	30	1318.3	1323.7	11.74	4.16	17/8	3

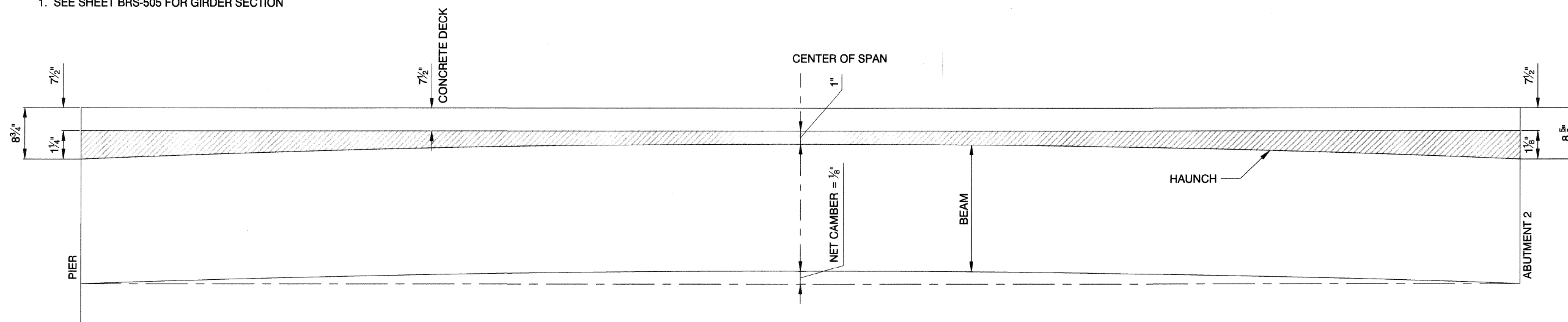
NOTE:  
DEFLECTION DUE TO REMAINING DEAD LOAD (CONCRETE DECK CROSS FRAMES, BARRIERS ETC.) IS 1-7/8"

A<sub>r</sub> = Girder camber At Release  
A<sub>d</sub> = Girder camber just before deck placement (45 days)  
E<sub>e</sub> = C.G. of all strands at end of girder  
E<sub>cL</sub> = C.G. of all strands at centerline of girder



SPAN 2 PRESTRESSING DIAGRAM

NOTE:  
1. SEE SHEET BRS-505 FOR GIRDER SECTION



SPAN 2 CAMBER DIAGRAM

PREPARED BY: DEPARTMENT OF PUBLIC WORKS, CAPITAL PROJECT MGMT  
 CITY OF LAS VEGAS  
 PREPARED FOR: CIMARRON PEDESTRIAN BRIDGE AT SUMMERLIN PARKWAY  
 TITLE: PRESTRESSING DIAGRAM AND CAMBER DIAGRAM SPAN 2  
 SHEET: BRS-506  
 38 OF 86  
 DRAWING NO. 676-22  
 FEDERAL PROJECT NUMBER: CM-0000(1.00)

DATE: JANUARY 2018  
 SUBMITTAL STAGE: 100% FINAL  
 DESIGNED BY: SRR  
 DRAWN BY: AP  
 CHECKED BY: AP

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REVISIONS  
 NO. | DATE