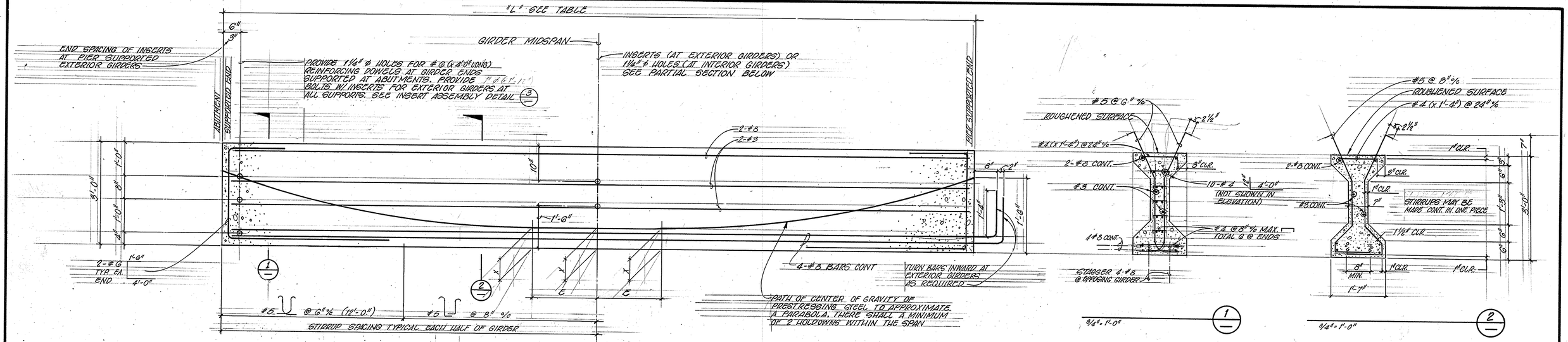
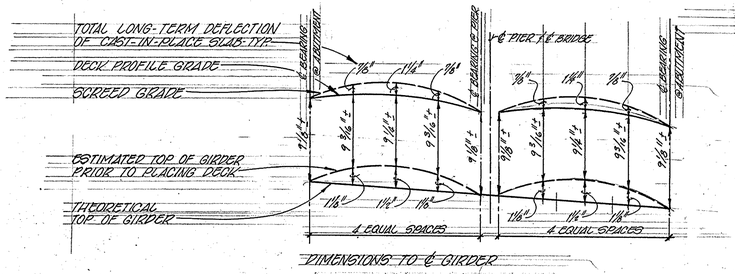


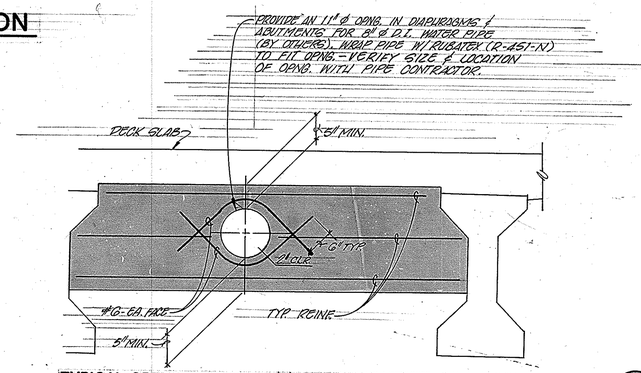
"I" GIRDER SECTION

NO SCALE



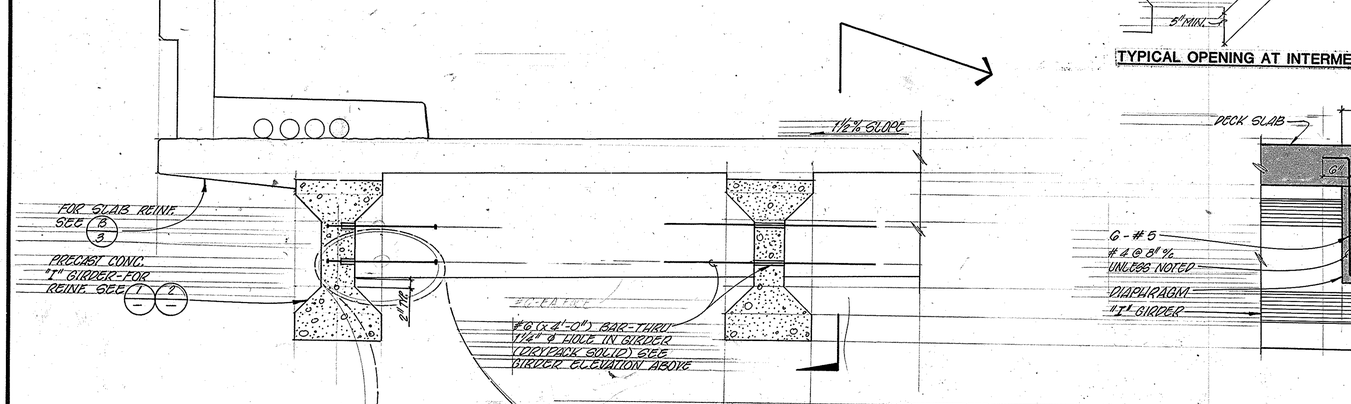
CAMBER DIAGRAM

NO SCALE



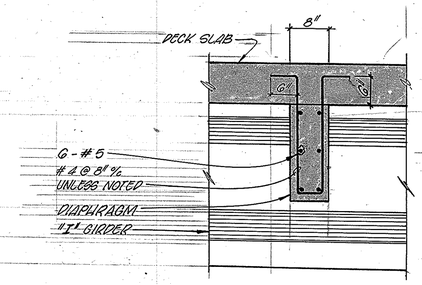
TYPICAL OPENING AT INTERMEDIATE DIAPHRAGM Similar at Pier & Abutments 4

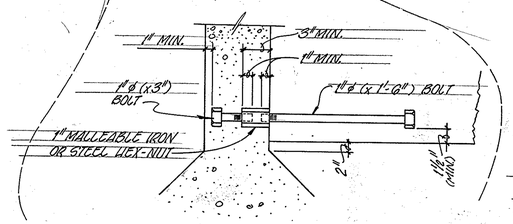
TOTAL GIRDER LENGTH ("L")	QTY.	"X" IN	"E" FT.	P= WORKING FORCE IN KIPS	CONCRETE STRENGTH f'ci	CONCRETE STRENGTH f'c
55'-5"	12	5.1	9'-0"	440	4000 psi	5000 psi



PARTIAL SECTION NEAR INTERMEDIATE DIAPHRAGM 3

3/4" = 1'-0"



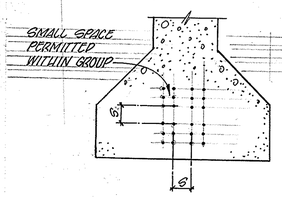


INSERT ASSEMBLY DETAIL

1 1/2" = 1'-0"

PRESTRESSING NOTES

1. WORKING FORCE: THE FORCE REMAINING PER GIRDER AFTER ALL LOSSES.
2. CONCRETE STRENGTH: f'ci AT TIME OF INITIAL STRESSING
   f'c AT 28 DAYS
3. CAMBER: GIRDERS SHALL HAVE 1-1/2" UP CAMBER AT CENTER OF LENGTH WHEN DELIVERED TO SITE.
4. DETAILS SHOWN ARE FOR PRETENSIONED GIRDERS. THE CONTRACTOR MAY SUBMIT DETAILS FOR POST TENSIONING WHICH SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL. IF CONTRACTOR ELECTS TO DO SO, HE WILL BE RESPONSIBLE TO COMPENSATE ENGINEER FOR HIS REVIEWING EFFORT.
5. CONTRACTOR SHALL FIELD VERIFY LENGTH OF GIRDERS PRIOR TO FABRICATION.
6. CLEARANCES FOR PRETENSIONED STRANDS
   A. STRANDS MAY BE BUNDLED IN GROUPS OF 3 VERTICALLY AND 2 HORIZONTALLY, AND SEPARATED AT THE ENDS.
   B. THE MINIMUM DISTANCE "S" BETWEEN GROUPS OF INDIVIDUAL STRANDS IS 1-1/2" FOR 3/8" DIAMETER STRANDS, 1-3/4" FOR 7/16" DIAMETER STRANDS AND 2" FOR 1/2" DIAMETER STRANDS.
   C. "S" IS MEASURED BETWEEN CENTERS OF ADJACENT STRANDS.
   D. APPROVAL OF ENGINEER IS REQUIRED FOR ANY DEVIATION FROM THESE CLEARANCES.



QUENEDEE

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DRAWN BY V.M.R. DATE 2-84
SCALE AS SHOWN
FILE NO. 1122.1

DATE	BY	REVISION DESCRIPTION	APP'D	DATE	DES.	DWN.
					CKD.	DATE

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ALICIA CREEK BRIDGE

PRECAST "I" GIRDER DETAILS

TRACT NO. 12091

SHEET S6 OF 1122