

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
EXCAVATION FOR STRUCTURE	L.S.	1
4" CONC. SLOPE PAVEMENT	S.Y.	273
SODDING (BAHIA)	S.Y.	100
TYPE S ASPHALT	TON	28.2
RIP-RAP RUBBLE ROCK	TON	101.5



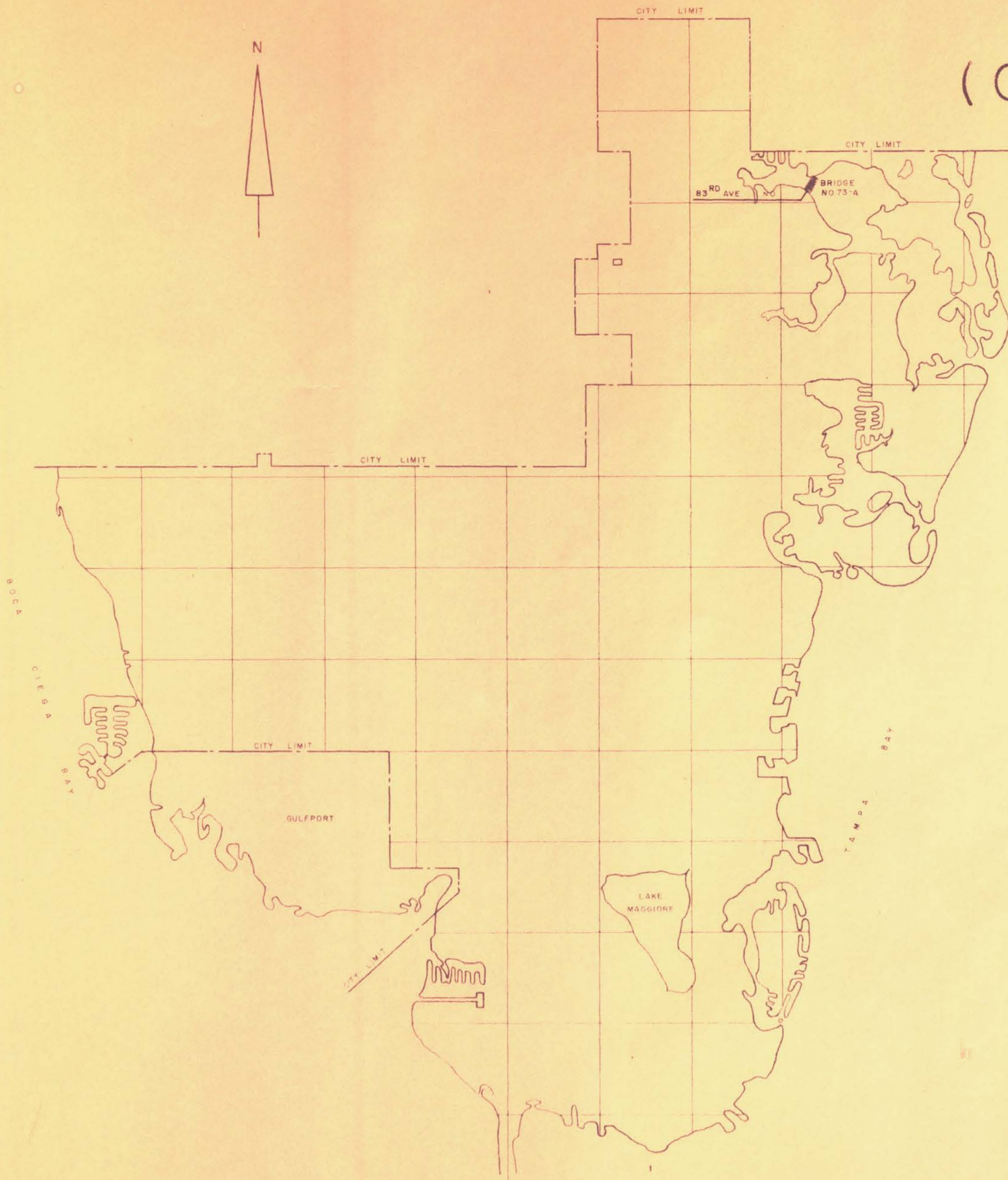
# RIVIERA BAY BRIDGE

(CITY OF ST. PETERSBURG CONTRACT FILE NO. 706)

IN RIVIERA BAY SITUATED ON THE  
NORTHEASTERLY EXTENSION OF 83<sup>RD</sup> AVE. NO.

(CITY BRIDGE NO. 73-A)

County Bridge # 154371



LOCATION PLAN

APPROVED BY:

COUNTY ENGINEER

APPROVED BY:

APPROVED BY:

CHAIRMAN, COUNTY COMMISSION

APPROVED BY:

CITY MANAGER

DEPARTMENT OF ENGINEERING - CITY OF ST. PETERSBURG, FLA.

DATE: 11-14-62

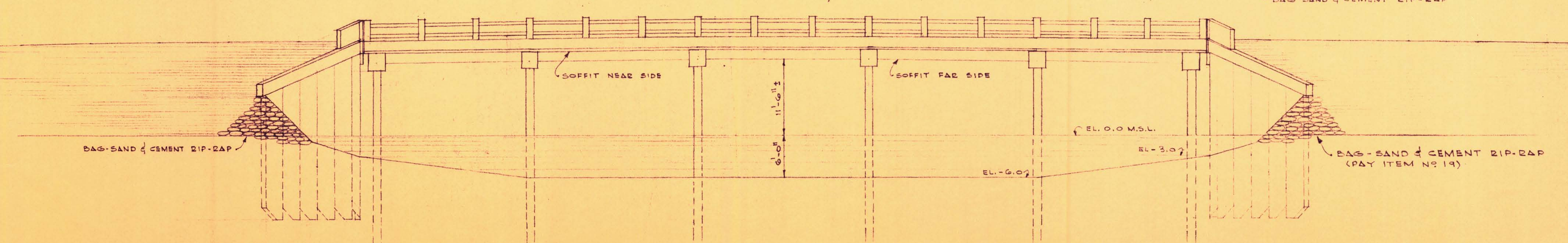
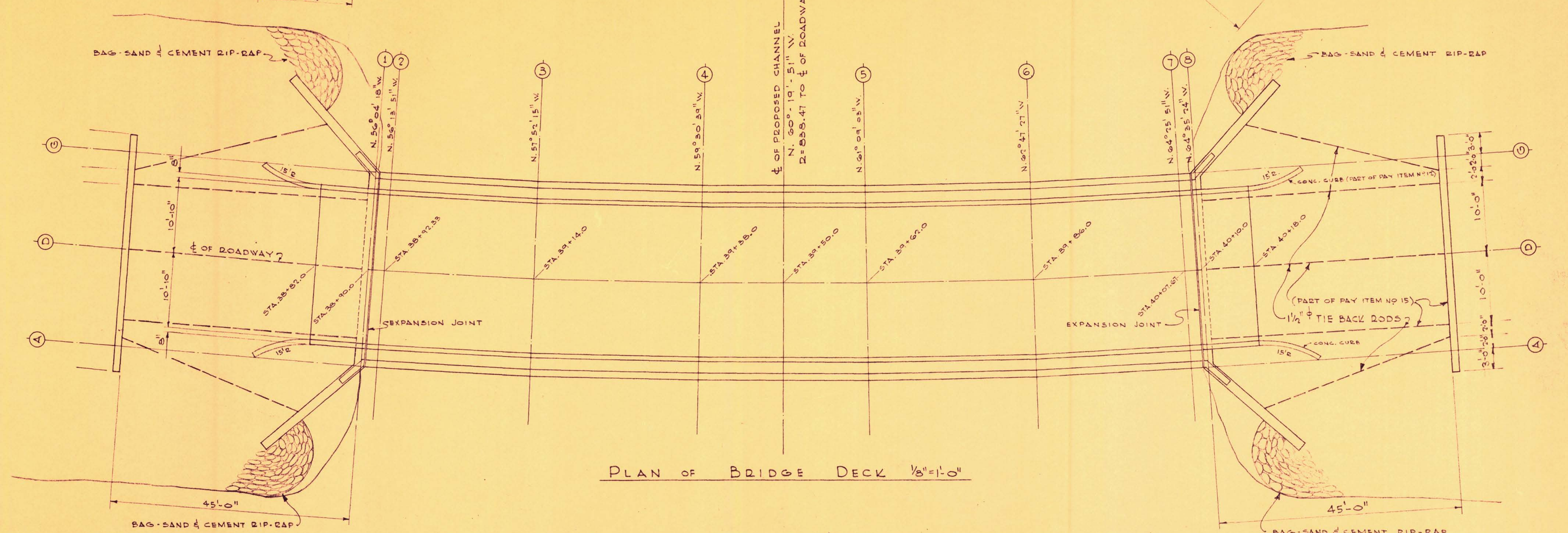
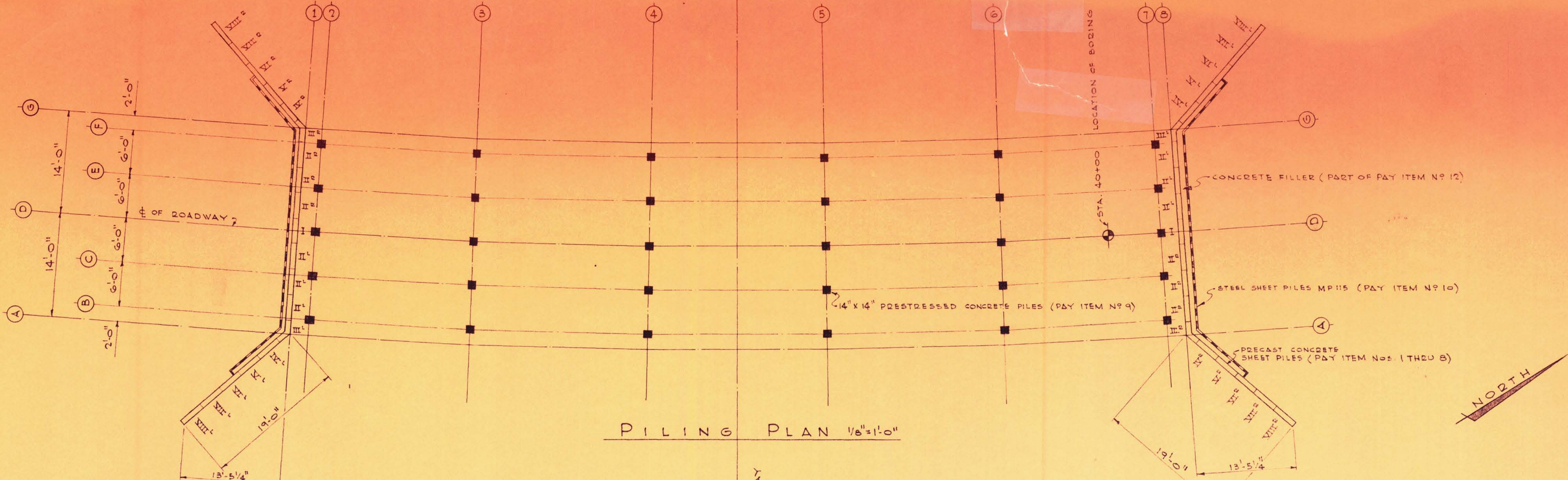
DWG. NO. 6120-1

154371









### GENERAL NOTES

THE STRUCTURE IS DESIGNED FOR:  
 A. ACTUAL DEAD LOAD  
 B. LIVE LOAD H20-44 AND H20-44 AS DEFINED IN A.A.S.H.O.  
 C. TRACTION FORCE 5% OF ONE-LANE LOADING (INFINITESIMAL)  
 D. CENTRIFUGAL FORCE OF 668 KV<sup>2</sup> DESIGN SPEED 40 MI. PER HOUR

PRESTRESSED CONCRETE PILES EACH TO HAVE A CAPACITY FOR A VERTICAL SUPERIMPOSED LOAD OF (40) TONS, WITHIN ACCEPTABLE LIMITS.  
 MANUFACTURER OF PRECAST PRESTRESSED MEMBERS MUST GUARANTEE A STRENGTH THAT WILL PROVIDE ADEQUATE SUPPORT FOR LOADS INDICATED.

REINFORCING STEEL TO CONFORM TO ASTM SPECIFICATIONS DESIGNATION A15-58T, AND ASTM SPECIFICATIONS DESIGNATION A305-56T.

CONCRETE (OTHER THAN FOR PRESTRESSED WORK) MUST DEVELOP A STRENGTH OF 2,000 LB. PER SQUARE INCH AFTER (7) DAYS, AND A STRENGTH OF 3,000 LB. PER SQUARE INCH AFTER TWENTY- EIGHT (28) DAYS.

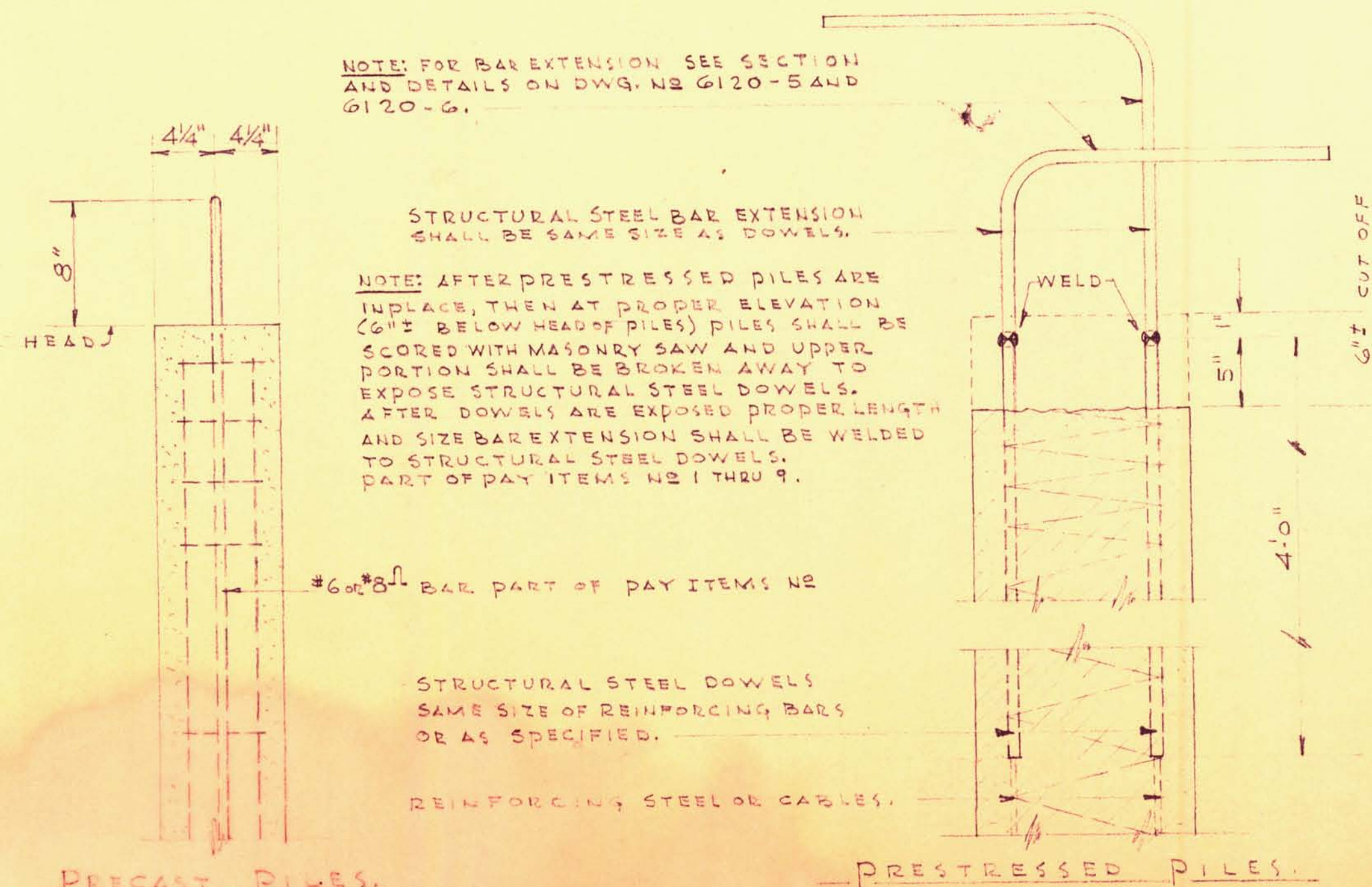
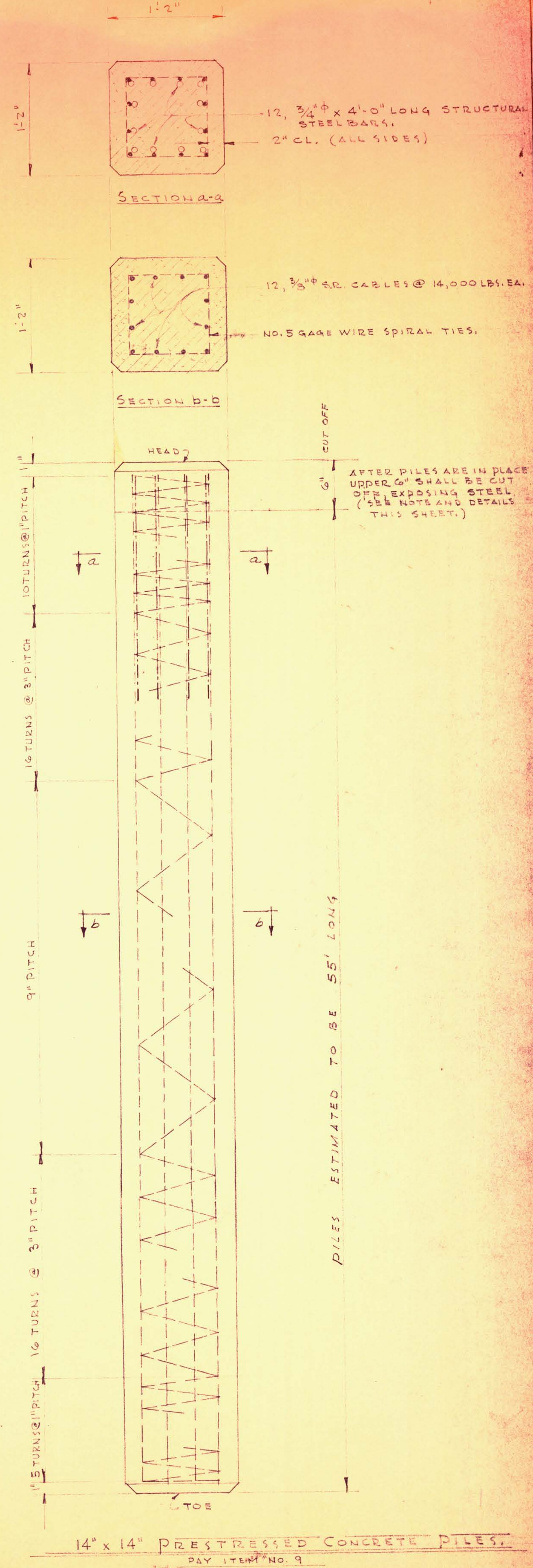
THREE TEST PILES SHALL BE PROVIDED AT LOCATION C4, E2, AND E7.

THE LENGTH FOR OBTAINING THE REQUIRED CAPACITY SHALL BE DETERMINED BY THE ENGINEERING NEWS IMPACT FORMULA, TAKING INTO CONSIDERATION THE BASIC SPECIFICATIONS FURNISHED BY THE MANUFACTURER OF THE IMPACT HAMMER BEING USED.

AFTER OBSERVING THE TEST PILE CAPACITIES, THE COUNTY ENGINEER WILL, IN WRITING, ADVISE THE CONTRACTOR AS TO THE LENGTH OF PRESTRESSED PILES TO BE PROVIDED FOR THE PROJECT.

ESTIMATED QUANTITIES					ESTIMATED QUANTITIES				
ITEM NO.	DESCRIPTION	ESTIMATED QUANTITIES	UNIT	ITEM NO.	DESCRIPTION	ESTIMATED QUANTITIES	UNIT	ITEM NO.	DESCRIPTION
1	PRECAST CONCRETE SHEET PILING, TYPE I	12	EA.	13	FIELD POURED CONCRETE	185	C.Y.		
2	" " " " TYPE II	12	EA.	14	REINFORCING STEEL	20,000	LBS.		
3	" " " " TYPE III	4	EA.	15	BRIDGE RAILINGS	LUMP SUM	L.S.		
4	" " " " TYPE IV	4	EA.	16	TIE BACK SYSTEM	LUMP SUM	L.S.		
5	" " " " TYPE V	4	EA.	17	PAVING BRIDGE, 1 1/2" ALPHA-210 CONCRETE	325	S.Y.		
6	" " " " TYPE VI	4	EA.	18	PAVING APPROACH ROADWAY	LUMP SUM	L.S.		
7	" " " " TYPE VII	4	EA.	19	EXCAVATION, FILLING & GRADING, BRIDGE PROPER	LUMP SUM	L.S.		
8	" " " " TYPE VIII	4	EA.	20	RIP-RAP	120	C.Y.		
9	PRESTRESSED CONCRETE PILES 14" X 14"	30	EA.		MISCELLANEOUS WORK	LUMP SUM	L.S.		
10	STEEL SHEET PILING	24,000	LBS.						
11	PRESTRESSED BRIDGE DECK								



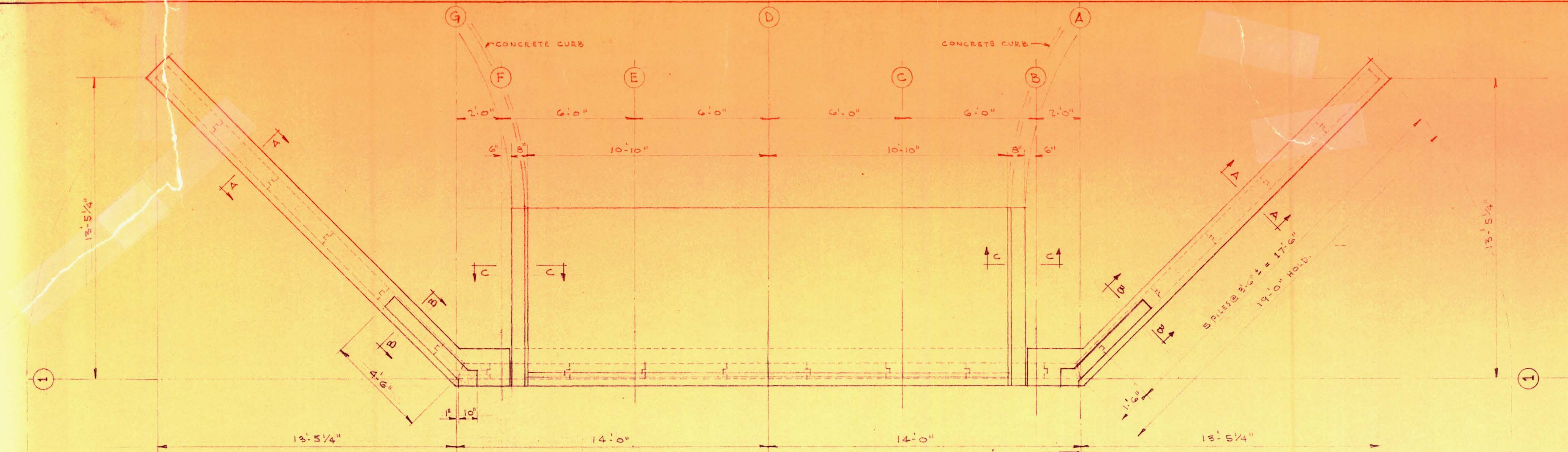


## PRESTRESSED PILES

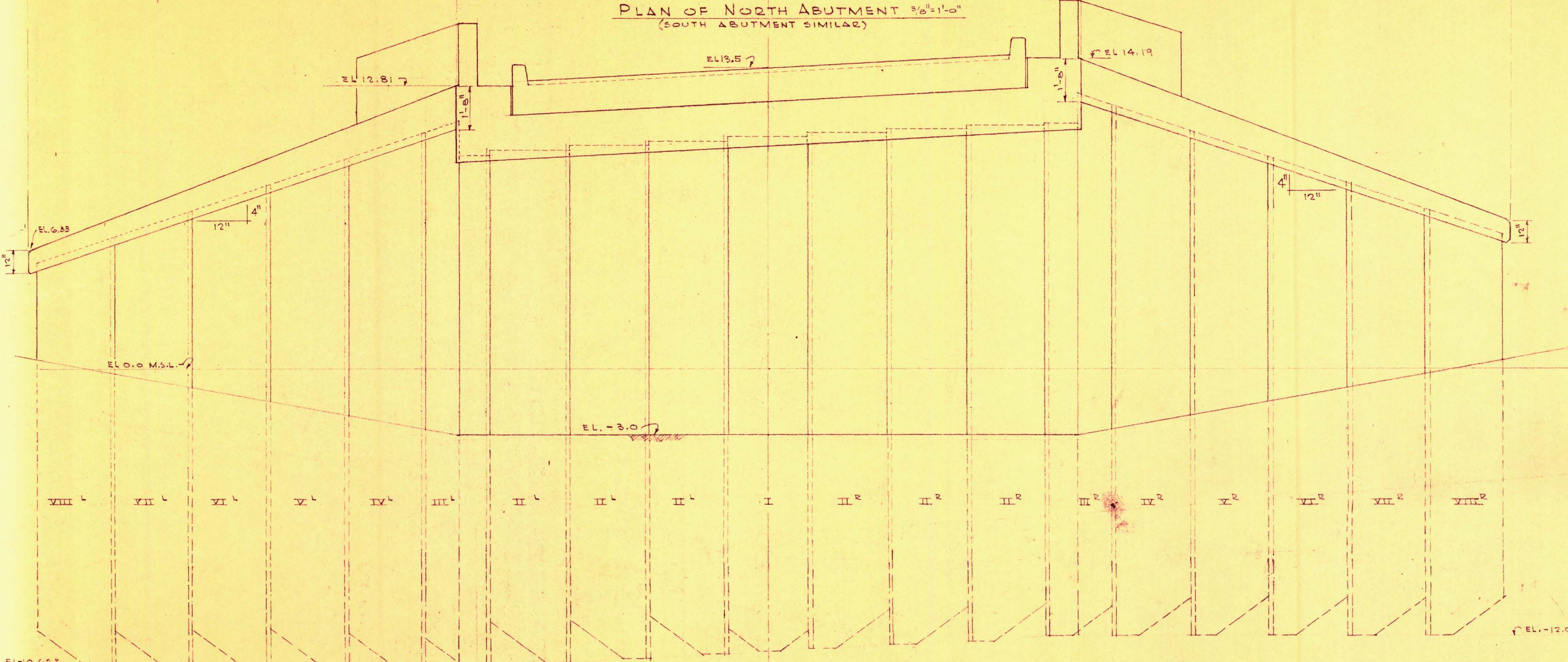




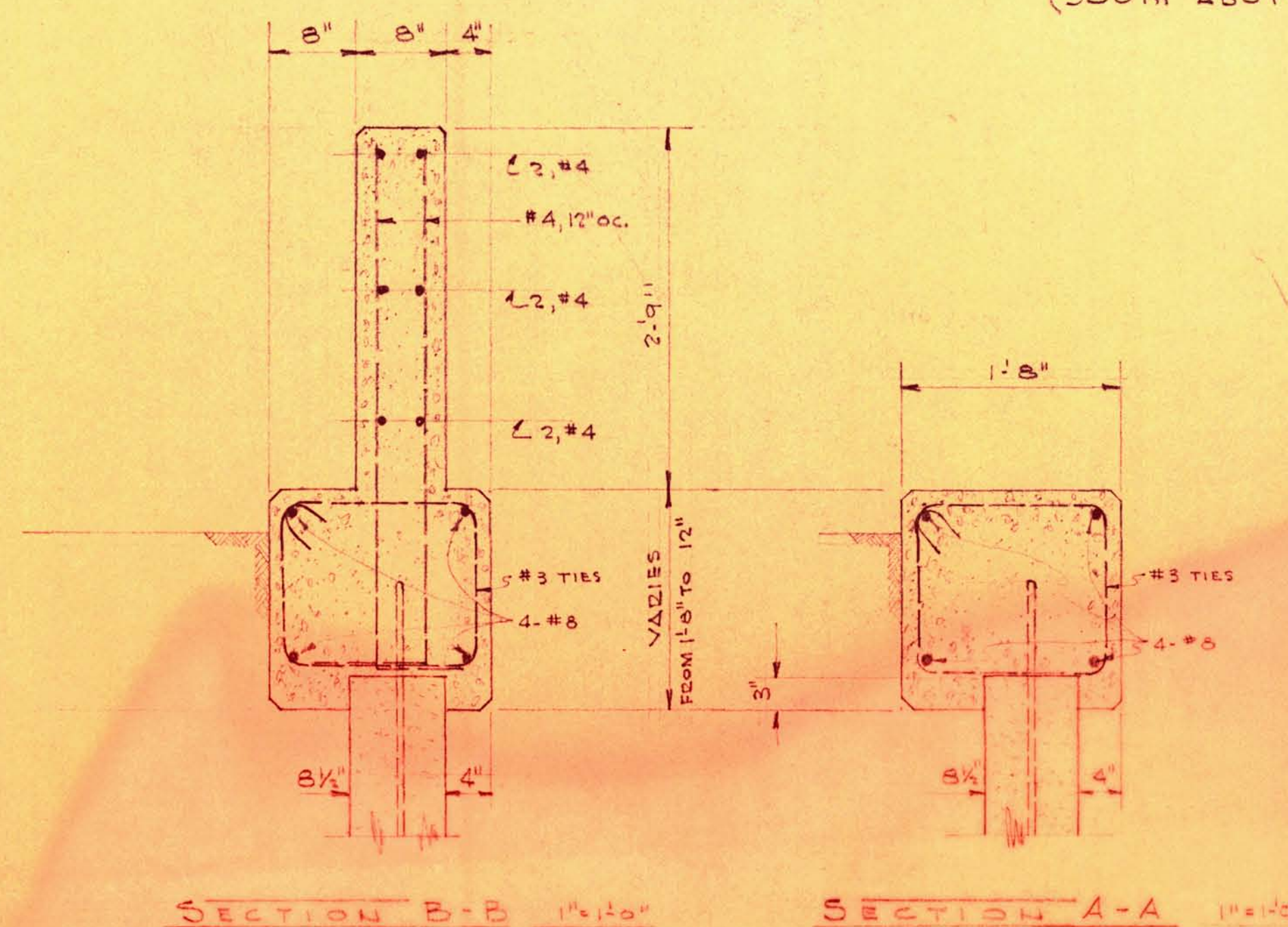




PLAN OF NORTH ABUTMENT  $\frac{3}{8} \times 1'-0"$   
(SOUTH ABUTMENT SIMILAR)

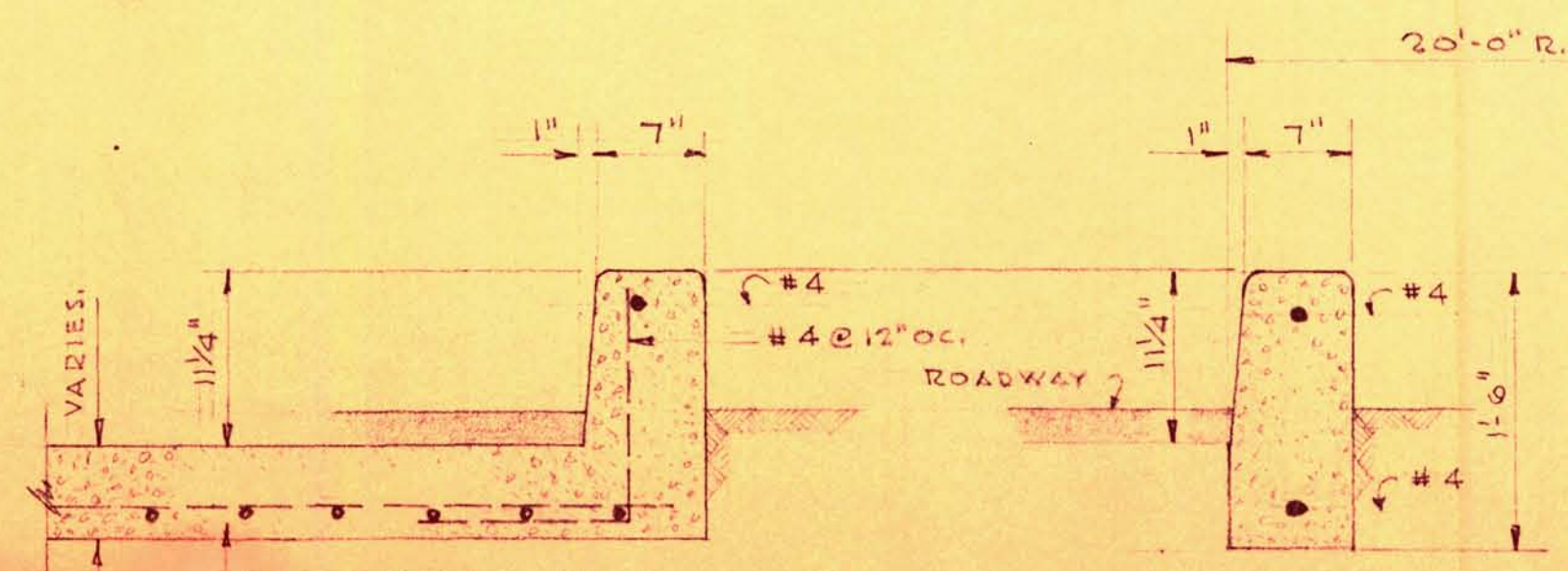


DEVELOPED NORTH ABUTMENT  $\frac{3}{8} \times 1'-0"$   
(SOUTH ABUTMENT SIMILAR)



SECTION B-B  $1' \times 1'-0"$

SECTION A-A  $1' \times 1'-0"$



FOR DETAILS OF  
APPROACH SLAB  
SEE DWG 6120-5

SECTION C-C  $1' \times 1'-0"$

TYPICAL SECTION OF  
CONCRETE CURB  $1' \times 1'-0"$   
PAY ITEM NO. 12

DESIGNED BY: P.J.J.  
DRAWN BY: T.W.M. & R.L.E.  
CHECKED BY:

REVISIONS BY DATE

PLAN & ELEVATION OF  
ABUTMENT, DETAILS

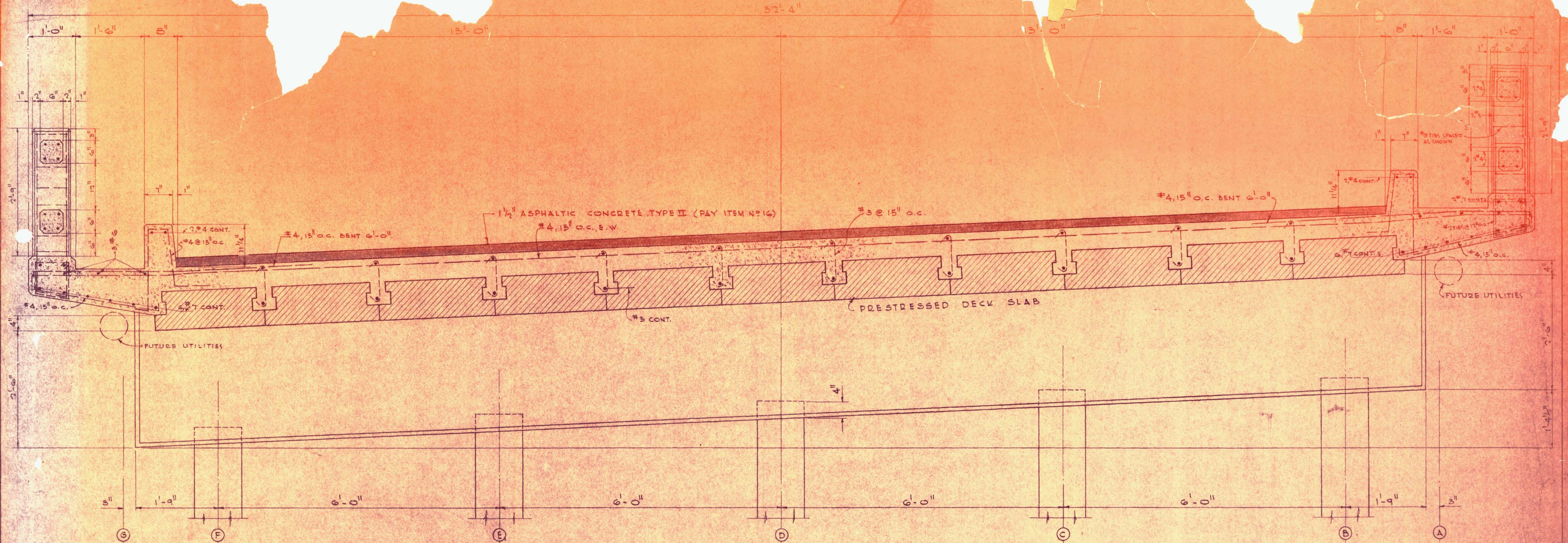
APPROVED BY:  
COUNTY ENGINEER  
DEPARTMENT OF ENGINEERING  
PINELLAS COUNTY, FLORIDA

APPROVED BY:  
CITY ENGINEER  
DEPARTMENT OF ENGINEERING  
CITY OF ST. PETERSBURG, FLA.

**RIVIERA BAY BRIDGE**  
(CITY OF ST. PETERSBURG, FLORIDA - CONTRACT FILE NUMBER 706)  
IN RIVIERA BAY SITUATED ON THE NORTHEASTERLY EXTENSION OF 83rd AVE. NO.  
CITY BRIDGE NO. 73-A ST. PETERSBURG, FLORIDA

DATE: 11-14-62  
SCALE: AS SHOWN  
DRAWING NO.  
6120-6





**ALTERNATE TYPICAL SECTION LOOKING NORTH 1"=1'-0"**  
(PROPOSED BY THE CITY OF ST. PETERSBURG ENGINEERING DEPARTMENT)

**NOTE:**  
SHOULD THE COUNTY CHOOSE THE ALTERNATE WIDTH OF ROADWAY AS SET FORTH ON DRAWING N° 7100-1, THE CONTRACTOR WILL BE OBLIGATED TO PROVIDE THESE ADDITIONAL QUANTITIES FOR THE UNIT PRICES QUOTED IN PROPOSAL.

**ADDITIONAL QUANTITIES REQUIRED FOR ALTERNATE WIDTH OF ROADWAY**

ITEM N° 12	FIELD POURED CONCRETE	25 C.Y.
ITEM N° 13	REINFORCING STEEL	5,400 LBS.
ITEM N° 16	PAVING BRIDGE	65 S.Y.

THE ABOVE QUANTITIES ARE NOT INCLUDED IN ESTIMATED QUANTITY SCHEDULE APPEARS ON DWG. N° 6120-2.

DESIGNED BY: P.J.  
DRAWN BY: D.L.E.  
CHECKED BY:

REVISIONS BY DATE

**ALTERNATE TYPICAL SECTION**

APPROVED BY:

COUNTY ENGINEER  
DEPARTMENT OF ENGINEERING  
PINELLAS COUNTY, FLORIDA

APPROVED BY:

CITY ENGINEER  
DEPARTMENT OF ENGINEERING  
CITY OF ST. PETERSBURG, FLA.

**RIVIERA BAY BRIDGE**  
(CITY OF ST. PETERSBURG, FLORIDA - CONTRACT FILE NUMBER 706)  
IN RIVIERA BAY SITUATED ON THE NORTHEASTERLY EXTENSION OF 63RD AVE., NO. 1  
CITY BRIDGE NO. 73-A ST. PETERSBURG, FLORIDA

DATE: 11-28-61  
SCALE: AS SHOWN  
DRAWING NO. 6120



4  
or  
5

1 or 3

2 or 7

1" EXPANSION JOINT

3-#6 IN TOP OF SLAB ADDED

3-#6 ADDED, SEE PLAN

6-#5

#5, 9" o.c.

1" EXPANSION JOINT

3'-3" ±  
TO BE VERIFIED IN THE FIELD.

12" ±  
1'-2"

2'-9" 10" 6" 4"

# 154371

ADDITIONAL STEEL DETAILS AT  
JUNCTION OF BRIDGE DECK  
& ABUTMENTS

APPROVED BY:

COUNTY ENGINEER  
DEPARTMENT OF ENGINEERING  
PINELLAS COUNTY, FLORIDA

APPROVED BY:

CITY ENGINEER  
DEPARTMENT OF ENGINEERING  
CITY OF ST. PETERSBURG, FLORIDA

DIVIEDA BAY BRIDGE  
(CITY OF ST. PETERSBURG, FLORIDA - CONTRACT NO. 706)  
IN DIVIEDA BAY SITUATED ON THE NORTHEASTERLY EXTENSION OF 83RD AVE. NO.  
CITY BRIDGE NO. 73-6 ST. PETERSBURG, FLORIDA

DATE: 4-27-63  
SCALE: 1"=1'-0"  
DWG. NO.  
6120-8