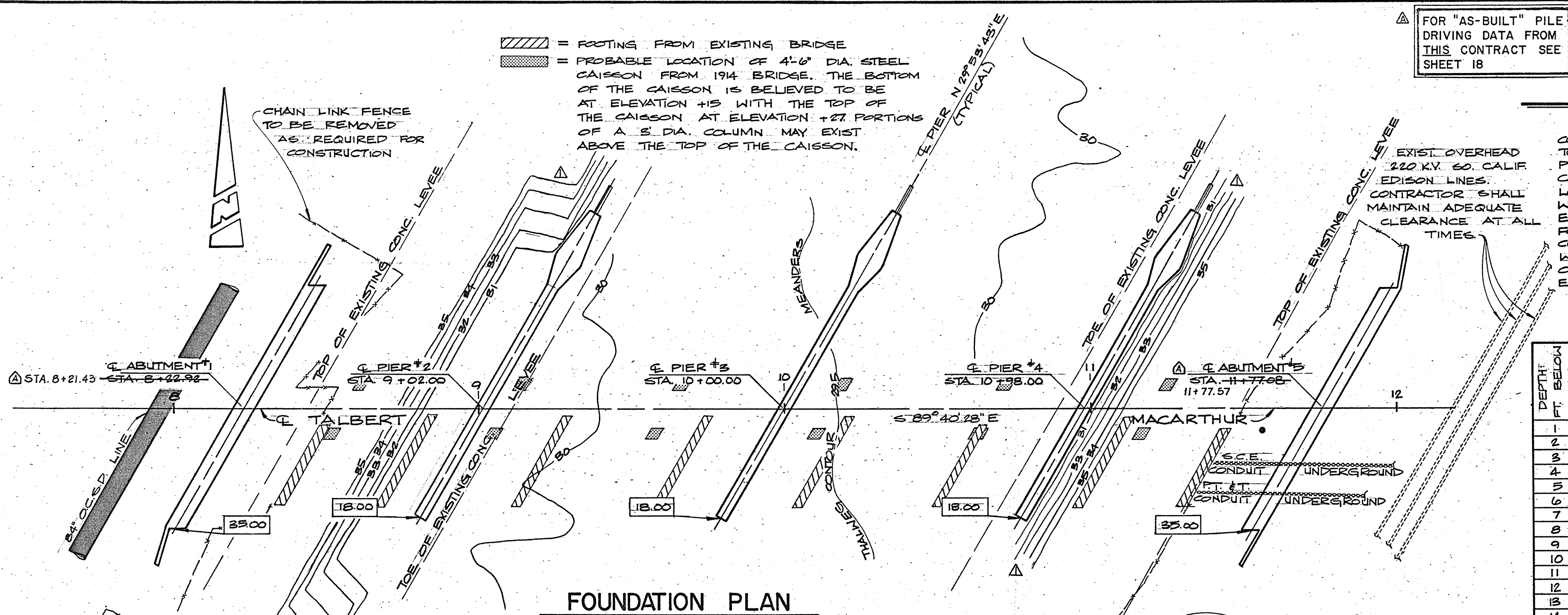


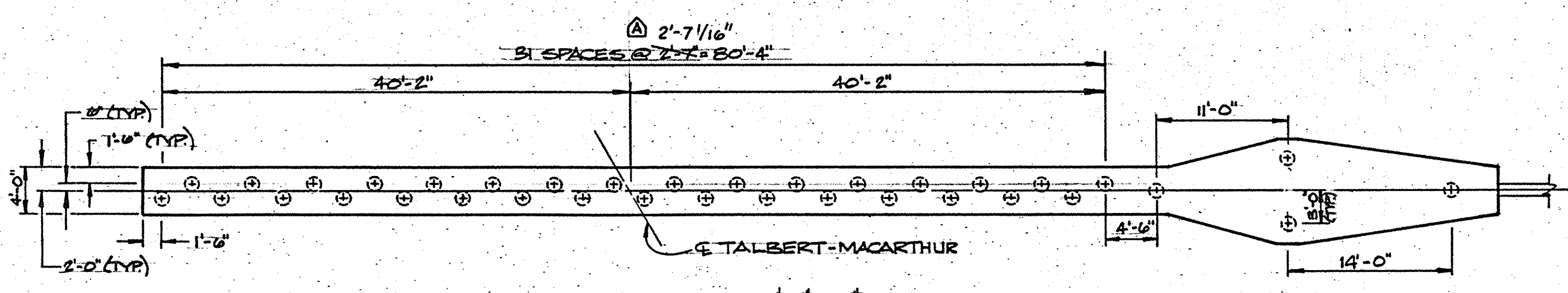
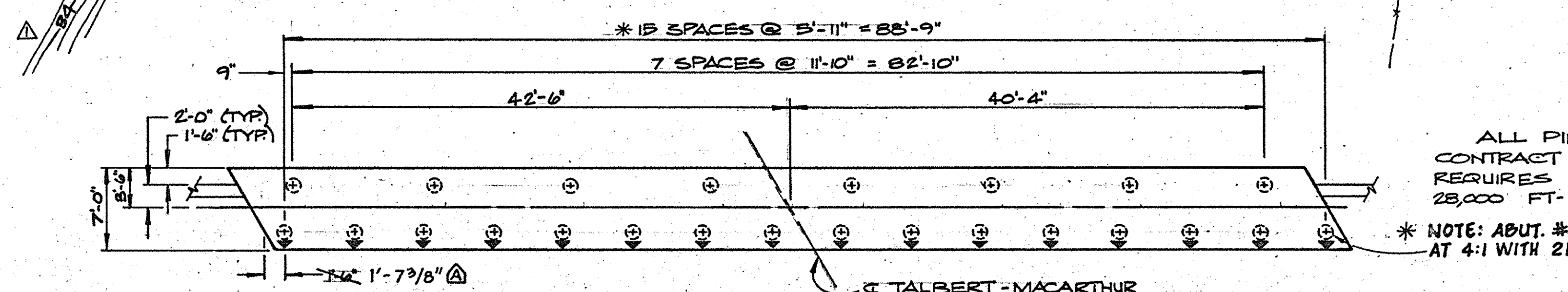


PILE DRIVING DATA FROM THE EXISTING BRIDGE

TEST PILE DATA FROM THE EXISTING BRIDGE, CONSTRUCTED IN 1968, IS SHOWN BELOW AS AN AID TO ESTIMATING PILE DRIVING CHARACTERISTICS OF THE PROJECT SITE. ALTHOUGH THIS DATA HAS BEEN CAREFULLY REPRODUCED FROM THE PILE DRIVING LOGS, NO GUARANTEE IS MADE THAT THE DATA WILL EXACTLY REPRESENT PILE DRIVING CONDITIONS ENCOUNTERED IN THIS PROJECT. IN GENERAL, PILING FOR THE EXISTING BRIDGE CONSISTED OF PRECAST CONCRETE PILING DRIVEN TO A BEARING OF 45 TONS WITH VULCAN #1 PILE DRIVER RATED AT 15000 FT-LBS OF ENERGY SPECIFIED PILE TIP ELEVATION FOR THE EXISTING BRIDGE WAS:

BLOWS PER FOOT WITH A VULCAN #1 PILE DRIVER RATED AT 15000 FT-LB

DEPTH FT. BELOW ELEVATION	ABUTMENT #1	PIER #2	PIER #3	PIER #4	PIER #5	PIER #6	PIER #7	ABUTMENT #8	ABUTMENT #9	CONTINUED	DEPTH @ ABUTMENT #8
1									21		41
2									22		42
3									26		43
4									24		44
5			7					9	28		45
6			8					9	32		46
7			7					8	34		47
8	0	0	4			0		8	23		48
9	0	0	3			0		9	19		49
10								10	19		50
11	B	B				B		10	17		51
12	0	0				0		14	17		52
13	0	0				0		21	22		53
14	K	K				K		16	48 @ 6'		54
15			17		7						
16	C	C	27	7	4	C					
17	0	0	33	7	3	0					
18	L	L		8	3	L					
19	N	N		6	4	N					
20	T	T		5	4	T	6				
21				5	4		6				
22				5	3		7				
23	(P	(P		5	5	(P	7				
24	I	I		7	6	I	9				
25	L	L		7	8	L	14				
26	E	E		10	12	E	22				
27	S	S		11	10	S	25				
28			16	10	8		24				
29	L	L	10	8	6	L	35				
30	E	E	8	8	7	E	14				
31	T	T	8	9	10	T	16				
32	T	T	11	9	8	T					
33	E	E	10	9	7	E	11				
34	D	D	9	10	8	D	14				
35			8	10	8		15				
36			9	12	11		15				
37			9	18	15		26				
38			23	48 @ 6'	48 @ 6'		75 @ 6'				
39			26 @ 10'								
40							14				



PILING LAYOUT
SCALE: 1/8" = 1'-0"

NOTE:
MINIMUM PENETRATION FOR ALL PILES UNDER THIS CONTRACT SHALL BE TO ELEVATION -14.00, SPECIFIED TIP IS TO BE DETERMINED BY ENGINEER AFTER DRIVING TEST PILES.

AS BUILT

1 1/2 0 1 2
3 inches on original drawing

6/82	ADDITIONAL TOPO INFO.	ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY	
		TALBERT - MACARTHUR BRIDGE ACROSS SANTA ANA RIVER	
1/84	LMW	PREPARED UNDER SUPERVISION OF <i>[Signature]</i>	
6/83	fl	DATE	
REVISIONS		SCALE	DWG. NO.
DESIGNED	M.M.H.S.U.	DATE	4/82
DRAWN	PLB	CHECKED	GWF
SHEET			3