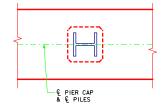
PILE BENT NOTES:

THESE PIER BENTS ARE DESIGNED FOR USE IN LOCATIONS WHERE ICE AND DRIFT CONDITIONS ARE NOT SEVERE.

FOR DETAILS OF TRESTLE PILES, TYPES 1, 2 AND 3, SEE STANDARD PIOL.

MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR SHALL BE 2 INCHES UNLESS OTHERWISE NOTED OR SHOWN.

PIER PILES SHALL BE DRIVEN TO VALUES SHOWN IN DESIGN PLANS.



PILE ORIENTATION DETAIL FOR TYPE 3 TRESTLE BENT PILES

		RE	INFORC	IN	G	BAR	L	IST	1A 1	۷D	ES	AIT	AΝ	TEC) Ql	JΑ	NTI	TIE	S	- F	PER	Р	ILE	BE	EN.	Γ	
				10	PILE	BENT	- 11	PILE	BENT	12	PILE	BENT	13	PILE	BENT	14	PILE	BENT	15	PILE	BENT	16	PILE	BENT	17	PILE	BENT
	BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT
	al	46'-8		8	9	1269	6	9	952	6	9	952	6	9	952	6	9	952	6	9	952	6	9	952	4	9	635
	a 2	46'-8		4	8	498	4	8	498	4	8	498	4	8	498	4	8	498	4	8	498	4	8	498	4	8	498
	ы	46'-8		4	9	635	4	9	635	4	9	635	4	9	635	4	9	635	4	9	635	4	8	498	4	8	498
	5c1	11'-10		38	5	489	42	5	518	46	5	568	50	5	617	54	5	666	58	5	716	47	5	580	50	5	617
	8eI	8′-2		4	8	87	4	8	87	4	8	87	4	8	87	4	8	87	4	8	87	4	8	87	4	8	87
①	REINFORCING STEEL (LB.)		2958		2690		2740		2789		2838		2888		2615		i	2335									
	STRUCTURAL 2 PILE TYPE																										
										16.8		16.8		16.7		16.7		16.6		16.6		,					
	CONCRETE (3		17.4		17.4		17.4		17.4		17.4		17.4		17.4										

NOTE: THE REINFORCING STEEL QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

NOTE: THE CONCRETE QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

NOTE: THE NUMBER OF PILES AND THE PILE TYPE ARE TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

BENT BAR	DETAILS
↓ → 6 ←	2′-9
D=2 ½ %	D=6
2′-9	% <u>⊬ [8e l</u>
5cl	

NOTE: ALL DIMENSIONS ARE OUT TO OUT. D=PIN DIAMETER.

	FRICTION	BEAR	ING PILING	FRICTION OR	POINT	BEARING PILING					
Q-Q	PIOL	TYPE I	OR 2	PIOL TYPE 3							
ABUTMENT BEARING	NUMBER OF TRESTLE PILES	③ _{"K"} (INCHES)	4 LRFD PU, STRENGTH I DES. BRG. (KIPS)	NUMBER OF TRESTLE PILES	PILE SIZE	4 LRFD PU, STRENGTH I DES. BRG. (KIPS)					
170/ 10	14	14	90	10	HP10x57	126					
138′-10	12	16	105	10	HP12x53	126					
151′-4	14	14	95	10	HP10x57	133					
1517-4	13	16	102	10	HP12x53	133					
107/ 10	16	14	90	10	HP10x57	144					
163′-10	14	16	103	- II	HP12x53	131					
176′-4	16	14	94	11	HP10x57	137					
176*-4	14	16	108	12	HP12x53	126					
188′-10				II.	HP10x57	143					
188:-10				12	HP12x53	131					
201′-4				13	HP10x57	136					
201 -4				14	HP12x53	126					
213′-10				13	HP10x57	143					
213-10				14	HP12x53	132					
226'-4				14	HP10x57	139					
220'-4				15	HP12x53	130					
243′-0				15	HP10x57	137					
243'-0				16	HP12x53	128					

- 1) SEE SHEET H44-17-14 FOR STEP REINFORCING STEEL QUANTITIES AND DETAILS.
- ② CONCRETE QUANTITIES SHOWN HAVE HAD THE VOLUME OF EMBEDDED PILES DEDUCTED FOR TYPES I AND 2 BASED ON 0.8 FT³ PER FOOT OF EMBEDMENT. THE CONCRETE QUANTITIES FOR TYPE 3 PILES DO NOT REQUIRE REDUCTION FOR PILE EMBEDMENT.
- 3 SEE STANDARD PIOL FOR "K" DIMENSION.
- 4) NOTE: PU, STENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.

NOTE: FRICTION BEARING INCLUDES SIDE FRICTION AND END BEARING IN SOIL. POINT BEARING INCLUDES SIDE FRICTION AND POINT BEARING IN ROCK.

