	H SHORING HEIGHT (FT)	SLOPE OR SURCHARGE CASE WITH NO TRAFFIC IMPACT					SURCHARGE CASE WITH TRAFFIC IMPACT				
GROUNDWATER CONDITION (SEE NOTE 6)		SHEET PILES		H-PILES WITH TIMBER LAGGING			SHEET PILES		H-PILES WITH TIMBER LAGGING		
		MINIMUM REQUIRED EMBEDMENT (FT)	MINIMUM REQUIRED SECTION MODULUS (IN <sup>3</sup> /FT)	MINIMUM REQUIRED EMBEDMENT* (FT) (SEE NOTE 10)			MINIMUM REQUIRED EMBEDMENT	MINIMUM REQUIRED	MINIMUM REQUIRED EMBEDMENT > (FT) (SEE NOTE 10)		
				HP IOx42	HP 12x53	HP 14x73	(FT)	SECTION MODULUS (IN <sup>3</sup> /FT)	HP IOx42	HP 12x53	HP 14x73
GROUNDWATER ELEVATION BEWTEEN BOTTOM OF SHORING AND PILE TIP	< 6	11.5	4.5	11.5	11.5	11.5	16.0	12.0	13.0	/3.0	13.0
	7	13.0	7.0	13.0	13.0	13.0	17.0	14.5	14.5	14.5	14.5
	8	15.0	10.0		15.0	15.0	18.0	17.0		/5.5	/5.5
	9	17.0	14.0		17.0	17.0	19.0	20.0		17.0	17.0
	10	18.5	19.5			18.5	20.0	23.5			18.5
		20.5	26.0				21.0	28.0			20.0
	12	22.5	33.0				22.0	33.0			21.5
GROUNDWATER ELEVATION BELOW PILE TIP	< 6	7.5	3.0	8.0	8.0	8.0	11.0	10.0	9.5	9.5	9.5
	7	8.5	4.5	9.5	9.5	9.5	12.0	12.0	10.5	10.5	10.5
	8	10.0	6.5	10.5	10.5	10.5	12.5	14.0	11.5	11.5	//.5
	9	11.0	9.5		12.0	12.0	13.5	16.5		12.5	12.5
	10	12.5	13.0			/3.5	14.0	19.5		13.5	/3.5
		13.5	17.0			14.5	15.0	22.5			14.5
	12	15.0	21.5			16.0	16.0	25.5			15.5

\*DO NOT USE H-PILES WITH TIMBER LAGGING FOR

