

PILE DATA (2 ABUTMENTS)

TYPE: TIMBER 10" ABUTMENT
8" WING WALL

EST. LENGTH: 15 FEET

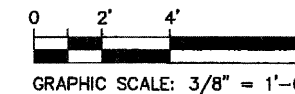
NUMBER REQ'D: 6-10" PILES
8-8" PILES

NOMINAL REQ'D BRG: 45 KIPS (10") 15 KIPS (8")

ALLOWABLE RESISTANCE AVAILABLE: 15 KIPS (10") 5 KIPS (8")

FLOOD	FREQUENCY YEAR	DISCHARGE (cfs)	WATERWAY OPENING (sq. ft.)*			CREATED HEAD (FT.)		HEADWATER ELEVATION	
			EXISTING	PROPOSED	NATURAL H.W.E.	EXISTING	PROPOSED	EXISTING	PROPOSED
DESIGN	10	118	N/A	78.9	765.25	0.00	0.00	765.25	765.25
BASE	50	201	N/A	162.3	767.42	0.00	0.00	767.42	767.42
OVERTOPPING	100	250	N/A	364.2	770.39	0.00	0.01	770.39	770.40
MAX.	>100								
	500								

① ELEVATION - NORTH
SCALE: 3/8" = 1'-0"



THIS SHEET SIZE IS 22"x34" ANYTHING SMALLER IS A REDUCTION

ENGINEER:	LICENSED:	REVISIONS			PROJECT DESCRIPTION		HIGGINS BIKE PATH PROJECT	
		REV	DATE	DESCRIPTION	TIMBER PEDESTRIAN BRIDGE		HOFFMAN ESTATES, IL	
					DESIGNED LOADING		ELEVATION	
					85-PSF OR 5 TON GVW (L/360 DEFLECTION)			
					APPROVED BY:	DATE APPROVED:	DATE	DRAWN BY:
							4/6/11	D. MATTHEWS
					PROJECT NUMBER	SHEET NUMBER		
					209031	52 of 86	201	