

**PILE SCHEDULE**

**PIER A**

LOCATION	BATTER	PILE DIAMETER (IN)	WALL THICKNESS (IN)	PILE TIP	PILE LENGTH (FT)	UNCOATED LENGTH (FT)	ULTIMATE PILE CAPACITY	
							TENSION (KIPS)	COMPRESSION (KIPS)
A3.1	VERTICAL	24	0.500	SPIN FIN W/ OPEN SHOE	180	60	300	800
A3.1B	5 TO 12	16	0.375	SPIN FIN W/ OPEN SHOE	200	60	200	200
A4.5	VERTICAL	24	0.500	OPEN SHOE	200	60	--	700
A7.0	VERTICAL	24	0.500	OPEN SHOE	200	60	--	700
A9.1	VERTICAL	24	0.500	OPEN SHOE	200	60	--	600
A12.3	VERTICAL	24	0.500	OPEN SHOE	200	60	--	400
C3.1	VERTICAL	24	0.500	SPIN FIN W/ OPEN SHOE	180	60	200	1200
C3.1B	5 TO 12	16	0.375	SPIN FIN W/ OPEN SHOE	200	60	200	200
C4.5	VERTICAL	24	0.500	OPEN SHOE	200	60	--	1100
C7.0	VERTICAL	24	0.500	OPEN SHOE	200	60	--	1000
C9.1	VERTICAL	24	0.500	OPEN SHOE	200	60	--	1000
C12.3	VERTICAL	24	0.500	OPEN SHOE	200	60	--	600
D3.1	VERTICAL	24	0.500	SPIN FIN W/ OPEN SHOE	180	60	100	1300
D3.1B	5 TO 12	16	0.375	SPIN FIN W/ OPEN SHOE	180	60	200	200
D4.5	VERTICAL	24	0.500	OPEN SHOE	180	60	--	1000
D7.0	VERTICAL	24	0.500	OPEN SHOE	180	60	--	1000
D9.1	VERTICAL	24	0.500	OPEN SHOE	180	60	--	1000
D12.3	VERTICAL	24	0.500	OPEN SHOE	180	60	--	600
E3.1	VERTICAL	24	0.500	SPIN FIN W/ OPEN SHOE	160	60	100	1300
E3.1B	5 TO 12	16	0.375	SPIN FIN W/ OPEN SHOE	180	60	200	200
E4.5	VERTICAL	24	0.500	OPEN SHOE	180	60	--	1100
E7.0	VERTICAL	24	0.500	OPEN SHOE	180	60	--	1000
E9.1	VERTICAL	24	0.500	OPEN SHOE	180	60	--	1100
E12.3	VERTICAL	24	0.500	OPEN SHOE	180	60	--	700
F3.1	VERTICAL	24	0.500	SPIN FIN W/ OPEN SHOE	160	60	100	1300
F3.1B	5 TO 12	16	0.375	SPIN FIN W/ OPEN SHOE	160	60	200	200
F4.5	VERTICAL	24	0.500	OPEN SHOE	180	60	--	1100
F7.0	VERTICAL	24	0.500	OPEN SHOE	180	60	--	1100
F9.1	VERTICAL	24	0.500	OPEN SHOE	180	60	--	1200
F12.3	VERTICAL	24	0.500	OPEN SHOE	180	60	--	700
G3.1	VERTICAL	24	0.500	SPIN FIN W/ OPEN SHOE	140	40	200	1000
G3.1B	5 TO 12	16	0.375	SPIN FIN W/ OPEN SHOE	160	40	200	200
G4.5	VERTICAL	24	0.500	SPIN FIN W/ OPEN SHOE	140	40	200	1200
G4.5B	5 TO 12	16	0.375	SPIN FIN W/ OPEN SHOE	160	40	200	200
G7.0	VERTICAL	24	0.500	SPIN FIN W/ OPEN SHOE	140	40	100	1300
G7.0B	5 TO 12	16	0.375	SPIN FIN W/ OPEN SHOE	160	40	200	200
G9.1	VERTICAL	24	0.500	SPIN FIN W/ OPEN SHOE	140	40	100	1200
G9.1B	5 TO 12	16	0.375	SPIN FIN W/ OPEN SHOE	160	40	200	200
G12.3	VERTICAL	24	0.500	SPIN FIN W/ OPEN SHOE	140	40	300	900
G12.3B	5 TO 12	16	0.375	SPIN FIN W/ OPEN SHOE	160	40	200	200

IN ADDITION TO THE PILE LENGTHS STATED ABOVE THE FOLLOWING NUMBER OF PILES SHALL BE SUPPLIED THAT ARE COATED AND MATCH THE PILE SPECIFICATIONS:  
(10) 20 FOOT LENGTHS OF 24"Ø x 0.500"t PIPE

**PIER 2 FENDERS**

LOCATION	BATTER	PILE DIAMETER (IN)	WALL THICKNESS (IN)	PILE TIP	PILE LENGTH (FT)	UNCOATED LENGTH (FT)	ULTIMATE PILE CAPACITY	
							TENSION (KIPS)	COMPRESSION (KIPS)
F1	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F2	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F3	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F4	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F5	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F6	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F7	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F8	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F9	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F10	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F11	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F12	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F1a	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F2a	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F3a	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F4a	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F5a	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F6a	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F7a	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F8a	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F9a	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F10a	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100
F11a	VERTICAL	30	0.375	FLAT PLATE	100	20	----	100

**RO-RO RAMP**

LOCATION	BATTER	PILE DIAMETER (IN)	WALL THICKNESS (IN)	PILE TIP	PILE LENGTH (FT)	UNCOATED LENGTH (FT)	ULTIMATE PILE CAPACITY	
							TENSION (KIPS)	COMPRESSION (KIPS)
RF1	VERTICAL	24	0.500	OPEN SHOE	160	40	----	200
RF2	VERTICAL	24	0.500	OPEN SHOE	160	40	----	200
RF3	VERTICAL	24	0.500	OPEN SHOE	160	40	----	200
RF4	VERTICAL	24	0.500	OPEN SHOE	160	40	----	200
R1	VERTICAL	16	0.375	OPEN SHOE	140	40	----	200
R2A	3 TO 12	16	0.375	OPEN SHOE	140	40	150	250
R2B	3 TO 12	16	0.375	OPEN SHOE	140	40	150	250
R3	VERTICAL	16	0.375	OPEN SHOE	140	40	----	200
R4	VERTICAL	16	0.375	OPEN SHOE	140	40	----	250
R5	VERTICAL	16	0.375	OPEN SHOE	140	40	----	250
R6	VERTICAL	16	0.375	OPEN SHOE	140	40	----	250
R7	VERTICAL	16	0.375	OPEN SHOE	140	40	----	250

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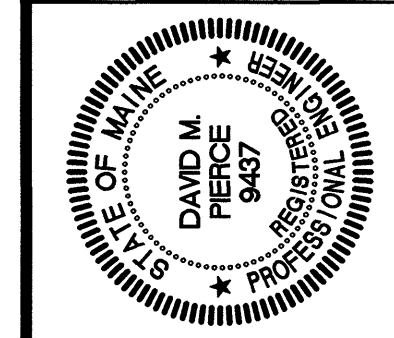


CONSULTING ENGINEERS

STATE OF MAINE DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER 009215.00

PIN 009215.00



DAVID M. PIERCE  
No. 9437  
PROFESSIONAL ENGINEER

PROJ. MANAGER	PAUL POTLIE	DATE	09/07/04
DESIGN-DETAILED	RJ	DATE	09/07/04
CHECKED-REVIEWED	OT	DATE	09/07/04
DESIGN2-DETAILED2		DATE	
DESIGN3-DETAILED3		DATE	
REVISIONS 1	FER VAAAP 9.13.14. & 22	DATE	10/02/05
REVISIONS 2		DATE	
REVISIONS 3		DATE	
REVISIONS 4		DATE	
FIELD CHANGES		DATE	

CITY OF PORTLAND  
OCEAN GATEWAY PHASE 1  
MARINE/WATER COMPONENTS  
PILE SCHEDULE

W400  
63 OF 288