



MULTI-PURPOSE DOCK PLAN



CITY AND BOROUGH OF SITKA

P N D
ENGINEERS, INC.

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DATE: 11/5/07

**MULTI-PURPOSE
OCEAN DOCK CONCEPT
SAWMILL COVE INDUSTRIAL PARK**

SHEET TITLE:
**PHASED DEVELOPMENT
PLAN**

PN&D PROJECT NO.: 072072.01 DWG. FILE:

1
SHEET
OF 1

DESIGN: CRS CHECKED: CRS
DRAWN: PJD APPROVED: CRS

SCALE:

**SAWMILL COVE INDUSTRIAL SITE
MULTI-PURPOSE DOCK
PHASE 1 - 120 LF BULKHEAD, FILL & UPLAND IMPROVEMENTS
PROJECT BUDGET**

Prepared By: PND Engineers, Inc. on November 9, 2007

Item	Item Description	Units	Quantity	Unit Cost	Amount
1505.1	Mobilization	LS	All Reqd	10%	\$296,200
2060.1	Demolition & Disposal	LS	All Reqd	\$200,000	\$200,000
2202.2	Subbase Grading A	CY	750	\$20	\$15,000
2202.4	Shot Rock Borrow	CY	25,000	\$15	\$375,000
2204.1	Base Course Grading C-1	CY	500	\$40	\$20,000
2205.1	Armor Rock	CY	1,000	\$45	\$45,000
2246.1	Vibracompaction	LS	All Reqd	\$40,000	\$40,000
2501.1	Storm Drain System	LS	All Reqd	\$40,000	\$40,000
2702.1	Construction Surveying	LS	All Reqd	\$20,000	\$20,000
2891.1	Sheet Pile Bulkhead Dock	TON	600	\$2,900	\$1,740,000
2896.2	Fender System	LS	All Reqd	\$200,000	\$200,000
3305.1	Concrete Dock Face Apron	CY	150	\$1,500	\$225,000
5120.2	Mooring Cleats & Bollards	EA	3	\$5,000	\$15,000
5120.3	Steel Safety Rails	LF	150	\$120	\$18,000
5120.4	Dock Ladder	EA	3	\$3,000	\$9,000
ESTIMATED CONSTRUCTION BID PRICE					\$3,258,200
DESIGN & CONSTRUCTION CONTINGENCY (15%)					\$488,730
SITE INVESTIGATIONS - SURVEYS & GEOTECHNICAL PERMITTING					\$100,000
FINAL DESIGN & CONTRACT DOCUMENTS (6%)					\$224,816
CONTRACT ADMIN. & CONSTRUCTION INSPECTION (6%)					\$224,816
OWNER ADMIN. (2%)					\$74,939
TOTAL RECOMMENDED PROJECT BUDGET - PHASE 1					\$4,421,500



SAWMILL COVE INDUSTRIAL SITE
MULTI-PURPOSE DOCK
PHASE 2 - MOORING & BREASTING DOLPHINS
PROJECT BUDGET
Prepared By: PND Engineers, Inc. on November 9, 2007

Item	Item Description	Units	Quantity	Unit Cost	Amount
1505.1	Mobilization	LS	All Reqd	10%	\$293,500
2601.1	Water Service	LS	All Reqd	\$75,000	\$75,000
2702.1	Construction Surveying	LS	All Reqd	\$20,000	\$20,000
2896.1	Breasting/Mooring Dolphin	EA	8	\$280,000	\$2,240,000
2896.2	Catwalks	LF	900	\$550	\$495,000
16000.1	Lighting	LS	All Reqd	\$200,000	\$200,000
ESTIMATED CONSTRUCTION BID PRICE					\$3,323,500
DESIGN & CONSTRUCTION CONTINGENCY (15%)					\$498,525
FINAL DESIGN & CONTRACT DOCUMENTS (6%)					\$229,322
CONTRACT ADMIN. & CONSTRUCTION INSPECTION (6%)					\$229,322
OWNER ADMIN. (2%)					\$76,441
TOTAL RECOMMENDED PROJECT BUDGET - PHASE 2					\$4,357,109

