### PRELIMINARY ENGINEER'S ROM BUDGET Prepared By: PND Engineers, Inc. on June 14, 2023

Item	Item Description	Units	Quantity	Unit Cost	Amount	Sub-Totals
	GENERAL CONTRACT ITEMS	Units	Quantity	Unit Cost	Amount	Sub-10tal
505.1	Mobilization/Demobilization	LS	All Reqd	10%	\$473,700	
702.1	Construction Surveying	LS	All Reqd	\$50,000	\$50,000	\$523,70
102.1	150 TON HAULOUT PIER	LO	7 m reequ	<i>\\$</i> 30,000	\$30,000	φ323,70
882.1	UHMW Pile Rubstrips	LS	All Reqd	\$200,000	\$200,000	
886.1	Side Curbs	LS	All Reqd	\$200,000	\$200,000	
896.1	Steel Pipe Fender Piles with HDPE Sleeves	EA	12	\$20,000	\$240,000	
896.2	Steel Pipe Corner Fender Piles with HDPE Sleeves	EA	2	\$25,000	\$50,000	
896.3	Vertical Steel Pipe Piles	EA	40	\$20,000	\$800,000	
896.4	Battered Steel Pipe Piles	EA	8	\$24,000	\$192,000	
305.1	Retaining Wall	CY	150	\$2,750	\$412,500	
420.1	Precast Concrete Deck Panels	CY	190	\$2,000	\$380,000	
601.1	Deck C.I.P Concrete and Grout	LS	All Reqd	\$2,000 \$200,000	\$380,000 \$200,000	
120.1	Steel Pile Caps, Pile Chutes & Misc. Weldments	TON	25	\$ <b>8,</b> 000		
120.1	Steel Pipe Bullrail	LS	All Reqd	\$75,000 \$75,000	\$200,000 \$75,000	\$2,949,50
120.2	UPLANDS EXPANSION @ PIER	Lð	All Kequ	\$75,000	\$75,000	\$2,949,5t
202.1		CV	11.000	¢E0	\$FE0.000	
203.1	Shot Rock Borrow	CY	11,000	\$50	\$550,000	
204.1	Base Course Grading C-1	CY	750	\$100	\$75,000	<b>*0 45 0 6</b>
205.1	Armor Rock	CY	3,200	\$100	\$320,000	\$945,00
202.4	STORMWATER TREATMENT w/ MINIMUM Y					
202.1	Rough Grade Existing Site to Drain Inlets	LS	All Reqd	\$50,000	\$50,000	
501.1	Storm Drain Pipe	LF	700	\$125	\$87,500	
502.1	Storm Drain Manholes & Water Quality Unit	LS	All Reqd	\$80,000	\$80,000	\$217,50
	PERMANENT CONCRETE WASHDOWN PAD					
401.1	Water Service to Wash Down Pad	LS	All Reqd	\$25,000	\$25,000	
601.1	Sewer Service & Lift Station to Wash Down Pad	LS	All Reqd	\$125,000	\$125,000	
301.2	Concrete Wash Down Pad w/ Hydronic Piping	EA	1	\$300,000	\$300,000	
170.1	Washwater Pretreatment Facilities	LS	All Reqd	\$125,000	\$125,000	\$575,00
	ESTIMATED CONSTRUCTION BID PRICE				\$5,210,700	\$5,210,70
	CONTINGENCY & INDIRECT COSTS (35%)				\$1,823,745	
	150T STANDARD MARINE BOAT HOIST				\$1,150,000	
	TOTAL RECOMMENDED BASE BUDGET				<mark>\$8,184,445</mark>	
702 1	Construction Surveying	LS	All Reqd	\$5,000	\$5,000	\$354,10
2702.1			7 iii Kequ	\$3,000	\$5,000	<i><b>4</b>55</i> 1,10
	NORTH BOAT YARD SITE GRADING & DRAIN	NAGE				<i><b>4</b>35</i> 1,10
060.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal	NAGE LS	All Reqd	\$100,000	\$100,000	φ <b>33 1</b> 31
060.1 202.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth	NAGE LS CY	All Reqd 4,000	\$100,000 \$20	\$100,000 \$80,000	<i><b>4</b>00 1,10</i>
060.1 202.1 202.2	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick	NAGE LS CY CY	All Reqd 4,000 8,000	\$100,000 \$20 \$50	\$100,000 \$80,000 \$400,000	φου 131
060.1 202.1 202.2 204.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick	NAGE LS CY CY CY	All Reqd 4,000 8,000 2,500	\$100,000 \$20 \$50 \$100	\$100,000 \$80,000 \$400,000 \$250,000	400 IJN
060.1 202.1 202.2 204.1 501.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe	NAGE LS CY CY CY LF	All Reqd 4,000 8,000 2,500 300	\$100,000 \$20 \$50 \$100 \$125	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500	φου 131
060.1 202.1 202.2 204.1 501.1 502.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe Storm Drain Manholes	NAGE LS CY CY CY LF LS	All Reqd 4,000 8,000 2,500 300 All Reqd	\$100,000 \$20 \$50 \$100 \$125 \$40,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000	
060.1 202.1 202.2 204.1 501.1 502.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe Storm Drain Manholes Misc. Utility Lid and Grate Adjustments	NAGE LS CY CY CY LF	All Reqd 4,000 8,000 2,500 300	\$100,000 \$20 \$50 \$100 \$125	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500	
060.1 202.1 202.2 204.1 501.1 502.1 600.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe Storm Drain Manholes Misc. Utility Lid and Grate Adjustments YARD TRANSPORTER	NAGE LS CY CY CY LF LS LS	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000	\$957,50
060.1 202.1 202.2 204.1 501.1 502.1 600.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe Storm Drain Manholes Misc. Utility Lid and Grate Adjustments YARD TRANSPORTER 40 T Yard Transporter, Shipping & Assembly	NAGE LS CY CY CY LF LS	All Reqd 4,000 8,000 2,500 300 All Reqd	\$100,000 \$20 \$50 \$100 \$125 \$40,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000	\$957,50
060.1 202.1 202.2 204.1 501.1 502.1 600.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe Storm Drain Manholes Misc. Utility Lid and Grate Adjustments YARD TRANSPORTER 40 T Yard Transporter, Shipping & Assembly DECKOVER, 32X60	NAGE LS CY CY CY LF LS LS LS	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000	\$957,50
060.1 202.1 202.2 204.1 501.1 502.1 600.1 1200.2 8886.2	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe Storm Drain Manholes Misc. Utility Lid and Grate Adjustments YARD TRANSPORTER 40 T Yard Transporter, Shipping & Assembly DECKOVER, 32X60 Timber End Curb with Tire Fenders	NAGE LS CY CY CY LF LS LS LS	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000	\$957,50
060.1 202.1 202.2 204.1 501.1 502.1 600.1 1200.2 886.2 896.3	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe Storm Drain Manholes Misc. Utility Lid and Grate Adjustments YARD TRANSPORTER 40 T Yard Transporter, Shipping & Assembly DECKOVER, 32X60 Timber End Curb with Tire Fenders Vertical Steel Pipe Piles	NAGE LS CY CY LF LS LS LS LS	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd All Reqd 6	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000 \$50,000 \$120,000	\$957,50
060.1 202.1 202.2 204.1 501.1 502.1 600.1 1200.2 886.2 896.3 896.4	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe Storm Drain Manholes Misc. Utility Lid and Grate Adjustments YARD TRANSPORTER 40 T Yard Transporter, Shipping & Assembly DECKOVER, 32X60 Timber End Curb with Tire Fenders Vertical Steel Pipe Piles Battered Steel Pipe Piles	NAGE LS CY CY LF LS LS LS LS EA EA	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd 6 2	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000 \$20,000 \$24,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000 \$50,000 \$120,000 \$48,000	\$957,50
060.1 202.1 202.2 204.1 501.1 502.1 600.1 1200.2 886.2 896.3 896.4 420.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe Storm Drain Manholes Misc. Utility Lid and Grate Adjustments YARD TRANSPORTER 40 T Yard Transporter, Shipping & Assembly DECKOVER, 32X60 Timber End Curb with Tire Fenders Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels	NAGE LS CY CY LF LS LS LS LS EA EA EA CY	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd 6 2 140	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000 \$24,000 \$2,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000 \$120,000 \$48,000 \$280,000	\$957,50
060.1 202.1 202.2 204.1 501.1 502.1 600.1 .200.2 886.2 896.3 896.4 420.1 601.1	<ul> <li>NORTH BOAT YARD SITE GRADING &amp; DRAIN</li> <li>Demolition &amp; Disposal</li> <li>Excavation, 1' Avg Depth</li> <li>Subbase, 2' Thick</li> <li>Base Course Grading C-1, 8" Thick</li> <li>Storm Drain Pipe</li> <li>Storm Drain Manholes</li> <li>Misc. Utility Lid and Grate Adjustments</li> <li>YARD TRANSPORTER</li> <li>40 T Yard Transporter, Shipping &amp; Assembly</li> <li>DECKOVER, 32X60</li> <li>Timber End Curb with Tire Fenders</li> <li>Vertical Steel Pipe Piles</li> <li>Battered Steel Pipe Piles</li> <li>Precast Concrete Deck Panels</li> <li>Deck C.I.P Concrete and Grout</li> </ul>	NAGE LS CY CY LF LS LS LS LS EA EA CY LS	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd 6 2 140 All Reqd	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000 \$20,000 \$24,000 \$2,000 \$100,000	\$100,000 \$80,000 \$400,000 \$250,000 \$40,000 \$50,000 \$250,000 \$120,000 \$120,000 \$48,000 \$280,000 \$100,000	\$957,50 \$250,00
060.1 202.1 202.2 204.1 501.1 502.1 600.1 .200.2 886.2 896.3 896.4 420.1 601.1	<ul> <li>NORTH BOAT YARD SITE GRADING &amp; DRAIN</li> <li>Demolition &amp; Disposal</li> <li>Excavation, 1' Avg Depth</li> <li>Subbase, 2' Thick</li> <li>Base Course Grading C-1, 8" Thick</li> <li>Storm Drain Pipe</li> <li>Storm Drain Manholes</li> <li>Misc. Utility Lid and Grate Adjustments</li> <li>YARD TRANSPORTER</li> <li>40 T Yard Transporter, Shipping &amp; Assembly</li> <li>DECKOVER, 32X60</li> <li>Timber End Curb with Tire Fenders</li> <li>Vertical Steel Pipe Piles</li> <li>Battered Steel Pipe Piles</li> <li>Precast Concrete Deck Panels</li> <li>Deck C.I.P Concrete and Grout</li> <li>Steel Pile Caps, Pile Chutes &amp; Misc. Weldments</li> </ul>	NAGE LS CY CY LF LS LS LS LS EA EA EA CY	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd 6 2 140	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000 \$24,000 \$2,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000 \$120,000 \$48,000 \$280,000	\$957,5( \$250,0(
060.1 202.1 202.2 204.1 501.1 502.1 600.1 1200.2 886.2 896.3 896.4 420.1 601.1 120.1	<ul> <li>NORTH BOAT YARD SITE GRADING &amp; DRAIN</li> <li>Demolition &amp; Disposal</li> <li>Excavation, 1' Avg Depth</li> <li>Subbase, 2' Thick</li> <li>Base Course Grading C-1, 8" Thick</li> <li>Storm Drain Pipe</li> <li>Storm Drain Manholes</li> <li>Misc. Utility Lid and Grate Adjustments</li> <li>YARD TRANSPORTER</li> <li>40 T Yard Transporter, Shipping &amp; Assembly</li> <li>DECKOVER, 32X60</li> <li>Timber End Curb with Tire Fenders</li> <li>Vertical Steel Pipe Piles</li> <li>Battered Steel Pipe Piles</li> <li>Precast Concrete Deck Panels</li> <li>Deck C.I.P Concrete and Grout</li> <li>Steel Pile Caps, Pile Chutes &amp; Misc. Weldments</li> </ul>	NAGE LS CY CY LF LS LS LS LS LS EA EA EA CY LS TON	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd 6 2 140 All Reqd 20	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000 \$20,000 \$24,000 \$24,000 \$100,000 \$8,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000 \$120,000 \$120,000 \$48,000 \$280,000 \$100,000 \$160,000	\$957,5( \$250,0(
060.1 202.1 202.2 204.1 501.1 502.1 600.1 .200.2 886.2 896.3 896.4 420.1 601.1 120.1 894.1	<ul> <li>NORTH BOAT YARD SITE GRADING &amp; DRAIN Demolition &amp; Disposal</li> <li>Excavation, 1' Avg Depth</li> <li>Subbase, 2' Thick</li> <li>Base Course Grading C-1, 8" Thick</li> <li>Storm Drain Pipe</li> <li>Storm Drain Manholes</li> <li>Misc. Utility Lid and Grate Adjustments</li> <li>YARD TRANSPORTER</li> <li>40 T Yard Transporter, Shipping &amp; Assembly</li> <li>DECKOVER, 32X60</li> <li>Timber End Curb with Tire Fenders</li> <li>Vertical Steel Pipe Piles</li> <li>Battered Steel Pipe Piles</li> <li>Precast Concrete Deck Panels</li> <li>Deck C.I.P Concrete and Grout</li> <li>Steel Pile Caps, Pile Chutes &amp; Misc. Weldments</li> <li>QUEUING FLOAT &amp; GANGWAY</li> <li>5x80 Aluminum Gangway &amp; Hinge Assembly</li> </ul>	NAGE LS CY CY CY LF LS LS LS LS EA EA CY LS TON LS	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd 6 2 140 All Reqd 20 All Reqd	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000 \$20,000 \$24,000 \$24,000 \$24,000 \$24,000 \$100,000 \$8,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000 \$120,000 \$120,000 \$48,000 \$280,000 \$100,000 \$160,000 \$125,000	\$957,50 \$250,00
060.1 202.1 202.2 204.1 501.1 502.1 600.1 1200.2 886.2 896.3 896.4 420.1 601.1 120.1 894.1 895.1	<ul> <li>NORTH BOAT YARD SITE GRADING &amp; DRAIN Demolition &amp; Disposal</li> <li>Excavation, 1' Avg Depth</li> <li>Subbase, 2' Thick</li> <li>Base Course Grading C-1, 8" Thick</li> <li>Storm Drain Pipe</li> <li>Storm Drain Manholes</li> <li>Misc. Utility Lid and Grate Adjustments</li> <li>YARD TRANSPORTER</li> <li>40 T Yard Transporter, Shipping &amp; Assembly</li> <li>DECKOVER, 32X60</li> <li>Timber End Curb with Tire Fenders</li> <li>Vertical Steel Pipe Piles</li> <li>Battered Steel Pipe Piles</li> <li>Precast Concrete Deck Panels</li> <li>Deck C.I.P Concrete and Grout</li> <li>Steel Pile Caps, Pile Chutes &amp; Misc. Weldments</li> <li>QUEUING FLOAT &amp; GANGWAY</li> <li>5x80 Aluminum Gangway &amp; Hinge Assembly</li> </ul>	NAGE LS CY CY CY LF LS LS LS LS EA EA CY LS TON LS SF	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd 6 2 140 All Reqd 20 All Reqd 20	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000 \$20,000 \$20,000 \$24,000 \$2,000 \$100,000 \$100,000 \$8,000 \$125,000 \$300	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000 \$120,000 \$120,000 \$120,000 \$148,000 \$280,000 \$100,000 \$100,000 \$125,000 \$125,000	\$957,50 \$250,00
060.1 202.1 202.2 204.1 501.1 502.1 600.1 .200.2 886.2 896.3 896.4 420.1 601.1 120.1 894.1 895.1 895.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe Storm Drain Manholes Misc. Utility Lid and Grate Adjustments YARD TRANSPORTER 40 T Yard Transporter, Shipping & Assembly DECKOVER, 32X60 Timber End Curb with Tire Fenders Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments QUEUING FLOAT & GANGWAY 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles	NAGE LS CY CY LF LS LS LS LS EA EA CY LS TON LS SF EA	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd 6 2 140 All Reqd 20 All Reqd 20 All Reqd 800 3	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000 \$20,000 \$24,000 \$24,000 \$100,000 \$8,000 \$125,000 \$300 \$18,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000 \$120,000 \$120,000 \$120,000 \$148,000 \$148,000 \$160,000 \$160,000 \$125,000 \$240,000 \$54,000	\$957,5( \$250,0(
060.1 202.1 202.2 204.1 501.1 502.1 600.1 .200.2 886.2 896.3 896.4 420.1 601.1 120.1 894.1 895.1 896.3 420.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe Storm Drain Manholes Misc. Utility Lid and Grate Adjustments YARD TRANSPORTER 40 T Yard Transporter, Shipping & Assembly DECKOVER, 32X60 Timber End Curb with Tire Fenders Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments QUEUING FLOAT & GANGWAY 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles Precast Concrete Deck Panels	NAGE LS CY CY CY LF LS LS LS LS EA EA CY LS TON LS SF EA CY	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd 6 2 140 All Reqd 20 All Reqd 20 All Reqd 800 3 5	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000 \$20,000 \$24,000 \$24,000 \$24,000 \$100,000 \$8,000 \$125,000 \$300 \$18,000 \$18,000	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000 \$120,000 \$120,000 \$120,000 \$148,000 \$1280,000 \$160,000 \$160,000 \$125,000 \$100,000\$100,000\$100,000\$100,000\$1000\$1	\$957,5( \$250,0(
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060.1         202.1         202.2         204.1         501.1         502.1         500.1         200.2         886.2         896.3         896.4         420.1         501.1         120.1         894.1         895.1         896.3         420.1         601.1         120.1         600.1         120.1         6000.1         6000.1         6000.1         6000.1         203.1         203.1	<ul> <li>NORTH BOAT YARD SITE GRADING &amp; DRAIN Demolition &amp; Disposal</li> <li>Excavation, 1' Avg Depth</li> <li>Subbase, 2' Thick</li> <li>Base Course Grading C-1, 8" Thick</li> <li>Storm Drain Pipe</li> <li>Storm Drain Manholes</li> <li>Misc. Utility Lid and Grate Adjustments</li> <li>YARD TRANSPORTER</li> <li>40 T Yard Transporter, Shipping &amp; Assembly</li> <li>DECKOVER, 32X60</li> <li>Timber End Curb with Tire Fenders</li> <li>Vertical Steel Pipe Piles</li> <li>Battered Steel Pipe Piles</li> <li>Precast Concrete Deck Panels</li> <li>Deck C.I.P Concrete and Grout</li> <li>Steel Pile Caps, Pile Chutes &amp; Misc. Weldments</li> <li>QUEUING FLOAT &amp; GANGWAY</li> <li>5x80 Aluminum Gangway &amp; Hinge Assembly</li> <li>10x80 Moorage Float</li> <li>Vertical Steel Pipe Piles</li> <li>Precast Concrete Deck Panels</li> <li>Deck C.I.P Concrete and Grout</li> <li>Steel Pile Caps, Nile Chutes &amp; Misc. Weldments</li> <li>UTILITY BUILDING</li> <li>Building, Hydronic Boiler, Restroom, Office</li> <li>Power to Utility Building</li> <li>GRAVEL HAULOUT RAMP</li> <li>Shot Rock Borrow</li> <li>Base Course Grading C-1</li> <li>Armor Rock</li> <li>ESTIMATED CONSTRUCTION BID PRICE</li> </ul>	NAGE LS CY CY CY LF LS LS LS LS EA EA CY LS TON LS SF EA CY LS TON SF LS	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd 6 2 140 All Reqd 6 2 140 All Reqd 20 All Reqd 800 3 5 All Reqd 3 5 All Reqd 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 3 5 All Reqd 20 3 3 5 3 All Reqd 20 3 3 5 3 All Reqd 20 3 3 5 3 All Reqd 20 3 3 5 3 3 3 5 3 3 3 3 5 3 3 3 3 3 3 3	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000 \$20,000 \$20,000 \$20,000 \$24,000 \$24,000 \$24,000 \$100,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$100,000 \$300 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$300 \$100,000 \$300 \$100,000 \$300 \$100,000 \$300 \$100,000 \$300 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$10,0000\$1000\$1	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000 \$120,000 \$120,000 \$120,000 \$120,000 \$140,000 \$140,000 \$125,000 \$54,000 \$54,000 \$54,000 \$54,000 \$54,000 \$54,000 \$54,000 \$54,000 \$50,000 \$125,000 \$50,000 \$125,000 \$30,000 \$140,000 \$3,840,100	\$957,50 \$250,00 \$758,00 \$455,50 \$770,00 \$295,00
060.1         202.1         202.2         204.1         501.1         502.1         500.1         200.2         386.2         396.3         396.4         420.1         501.1         120.1         395.1         395.1         396.3         420.1         501.1         120.1         000.1         0000.1         0000.1         203.1         203.1	NORTH BOAT YARD SITE GRADING & DRAIN Demolition & Disposal Excavation, 1' Avg Depth Subbase, 2' Thick Base Course Grading C-1, 8" Thick Storm Drain Pipe Storm Drain Manholes Misc. Utility Lid and Grate Adjustments YARD TRANSPORTER 40 T Yard Transporter, Shipping & Assembly DECKOVER, 32X60 Timber End Curb with Tire Fenders Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments QUEUING FLOAT & GANGWAY 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Neile Chutes & Misc. Weldments Utrical Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Neile Chutes & Misc. Weldments UTILITY BUILDING Building, Hydronic Boiler, Restroom, Office Power to Utility Building GRAVEL HAULOUT RAMP Shot Rock Borrow Base Course Grading C-1 Armor Rock ESTIMATED CONSTRUCTION BID PRICE CONTINGENCY & INDIRECT COSTS (35%)	NAGE LS CY CY CY LF LS LS LS LS EA EA CY LS TON LS SF EA CY LS TON SF LS	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd 6 2 140 All Reqd 6 2 140 All Reqd 20 All Reqd 800 3 5 All Reqd 3 5 All Reqd 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 3 5 All Reqd 20 3 3 5 3 All Reqd 20 3 3 5 3 All Reqd 20 3 3 5 3 All Reqd 20 3 3 5 3 3 3 5 3 3 3 3 5 3 3 3 3 3 3 3	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000 \$20,000 \$20,000 \$20,000 \$24,000 \$24,000 \$24,000 \$100,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$100,000 \$300 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$20,000 \$300 \$100,000 \$300 \$100,000 \$300 \$100,000 \$300 \$100,000 \$300 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$100,000 \$300 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$100,000 \$10,0000\$1000\$1	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000 \$120,000 \$120,000 \$120,000 \$120,000 \$140,000 \$140,000 \$7,500 \$54,000 \$7,500 \$54,000 \$7,500 \$5,000 \$7,500 \$5,000 \$125,000 \$125,000 \$125,000 \$140,000 \$140,000 \$140,000 \$140,000 \$140,000 \$140,000 \$140,000 \$140,000 \$140,000 \$140,000 \$140,000 \$144,035	\$957,50 \$250,00 \$758,00 \$455,50 \$770,00 \$295,00
D60.1         202.1         202.2         204.1         501.1         502.1         500.1         200.2         386.2         396.3         396.4         420.1         501.1         120.1         395.1         396.3         420.1         501.1         120.1         394.1         395.1         396.3         420.1         501.1         120.1         000.1         0000.1         000.1         203.1         203.1	<ul> <li>NORTH BOAT YARD SITE GRADING &amp; DRAIN Demolition &amp; Disposal</li> <li>Excavation, 1' Avg Depth</li> <li>Subbase, 2' Thick</li> <li>Base Course Grading C-1, 8" Thick</li> <li>Storm Drain Pipe</li> <li>Storm Drain Manholes</li> <li>Misc. Utility Lid and Grate Adjustments</li> <li>YARD TRANSPORTER</li> <li>40 T Yard Transporter, Shipping &amp; Assembly</li> <li>DECKOVER, 32X60</li> <li>Timber End Curb with Tire Fenders</li> <li>Vertical Steel Pipe Piles</li> <li>Battered Steel Pipe Piles</li> <li>Precast Concrete Deck Panels</li> <li>Deck C.I.P Concrete and Grout</li> <li>Steel Pile Caps, Pile Chutes &amp; Misc. Weldments</li> <li>QUEUING FLOAT &amp; GANGWAY</li> <li>5x80 Aluminum Gangway &amp; Hinge Assembly</li> <li>10x80 Moorage Float</li> <li>Vertical Steel Pipe Piles</li> <li>Precast Concrete Deck Panels</li> <li>Deck C.I.P Concrete and Grout</li> <li>Steel Pile Caps, Nile Chutes &amp; Misc. Weldments</li> <li>UTILITY BUILDING</li> <li>Building, Hydronic Boiler, Restroom, Office</li> <li>Power to Utility Building</li> <li>GRAVEL HAULOUT RAMP</li> <li>Shot Rock Borrow</li> <li>Base Course Grading C-1</li> <li>Armor Rock</li> <li>ESTIMATED CONSTRUCTION BID PRICE</li> </ul>	NAGE LS CY CY CY LF LS LS LS LS EA EA CY LS TON LS SF EA CY LS TON SF LS	All Reqd 4,000 8,000 2,500 300 All Reqd All Reqd All Reqd 6 2 140 All Reqd 6 2 140 All Reqd 20 All Reqd 800 3 5 All Reqd 3 5 All Reqd 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 5 All Reqd 20 3 3 5 All Reqd 20 3 3 5 3 All Reqd 20 3 3 5 3 All Reqd 20 3 3 5 3 All Reqd 20 3 3 5 3 3 3 5 3 3 3 3 5 3 3 3 3 3 3 3	\$100,000 \$20 \$50 \$100 \$125 \$40,000 \$50,000 \$250,000 \$20,000 \$20,000 \$20,000 \$20,000 \$24,000 \$24,000 \$24,000 \$100,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$125,000 \$300 \$11,500 \$50,000 \$11,500 \$50,000 \$11,500 \$50,000 \$11,500 \$50,000 \$11,500 \$11,500 \$50,000 \$11,500 \$50,000 \$11,500\$100\$100\$100\$100\$100\$100\$100\$100\$100\$	\$100,000 \$80,000 \$400,000 \$250,000 \$37,500 \$40,000 \$50,000 \$250,000 \$120,000 \$120,000 \$120,000 \$120,000 \$140,000 \$140,000 \$125,000 \$54,000 \$54,000 \$54,000 \$54,000 \$54,000 \$54,000 \$54,000 \$54,000 \$50,000 \$125,000 \$50,000 \$140,000 \$140,000 \$140,000	\$957,50 \$250,00 \$758,00 \$455,50 \$770,00 \$295,00 \$3,840,10

\$13,718,580

## PRELIMINARY ENGINEER'S ROM BUDGET Prepared By: PND Engineers, Inc. on June 14, 2023

	BASE BID ITEMS					
Item	Item Description	Units	Quantity	Unit Cost	Amount	Sub-Total
	GENERAL CONTRACT ITEMS			100/		
505.1 702.1	Mobilization/Demobilization Construction Surveying	LS LS	All Reqd All Reqd	10% \$50,000	\$462,700 \$50,000	\$512,70
.702.1	150 TON HAULOUT PIER	Lo	All Requ	\$30,000	\$30,000	\$512,70
882.1	UHMW Pile Rubstrips	LS	All Reqd	\$200,000	\$200,000	
886.1	Side Curbs	LS	All Reqd	\$200,000	\$200,000	
896.1	Steel Pipe Fender Piles with HDPE Sleeves	EA	12	\$20,000	\$240,000	
896.2	Steel Pipe Corner Fender Piles with HDPE Sleeves	EA	2	\$25,000	\$50,000	
896.3	Vertical Steel Pipe Piles	EA	40	\$20,000	\$800,000	
896.4 305.1	Battered Steel Pipe Piles Retaining Wall	EA CY	8 150	\$24,000 \$2,750	\$192,000 \$412,500	
420.1	Precast Concrete Deck Panels	CY	240	\$2,730 \$2,000	\$412,300 \$480,000	
	Deck C.I.P Concrete and Grout	LS	All Reqd	\$200,000	\$200,000	
120.1	Steel Pile Caps, Pile Chutes & Misc. Weldments	TON	30	\$8,000	\$240,000	
120.2	Steel Pipe Bullrail	LS	All Reqd	\$75,000	\$75,000	\$3,089,50
	UPLANDS EXPANSION @ PIER					
203.1	Shot Rock Borrow	CY CY	11,000 750	\$50 \$100	\$550,000 \$75,000	
204.1 205.1	Base Course Grading C-1 Armor Rock	CY	3,200	\$100 \$100	\$75,000 \$320,000	\$945,00
	STORMWATER TREATMENT w/ MINIMUM YA				#020,000	<i><i><i></i></i></i>
202.1	Rough Grade Existing Site to Drain Inlets	LS	All Reqd	\$50,000	\$50,000	
501.1	Storm Drain Pipe	LF	700	\$125	\$87,500	
502.1	Storm Drain Manholes & Water Quality Unit	LS	All Reqd	\$80,000	\$80,000	\$217,5
401.1	TEMPORARY WASHDOWN PAD	I.C.	A11 D 1	\$25 000	¢25 000	
2401.1 2601.1	Water Service to Wash Down Pad Sewer Service & Lift Station to Wash Down Pad	LS LS	All Reqd All Reqd	\$25,000 \$125,000	\$25,000 \$125,000	
	Temporary Wash Down Curbed Membrane Liner	LS EA	All Kequ	\$125,000 \$50,000	\$125,000 \$50,000	
	Washwater Pretreatment Facilities	LS	All Reqd	\$125,000	\$125,000	\$325,00
	ESTIMATED CONSTRUCTION BID PRICE		1**		\$5,089,700	\$5,089,70
	CONTINGENCY & INDIRECT COSTS (35%)				\$1,781,395	
	150T STANDARD MARINE BOAT HOIST				\$1,150,000	
	TOTAL RECOMMENDED BASE BUDGET				\$8,021,095	
	<b>OPTIONAL or ADDITIVE ALTERNATE ITE</b>	MS				
_	GENERAL CONTRACT ITEMS					
505.1	Mobilization/Demobilization	LS	All Reqd	10% \$5.000	\$811,850 \$5,000	0046 0
2702.1	Construction Surveying NORTH BOAT YARD SITE GRADING & DRAINA	LS AGE	All Reqd	\$5,000	\$5,000	\$816,85
060.1	Demolition & Disposal	LS	All Reqd	\$100,000	\$100,000	
202.1	Excavation, 1' Avg Depth	CY	4,000	\$20	\$80,000	
202.2	Subbase, 2' Thick	CY	8,000	\$50	\$400,000	
204.1	Base Course Grading C-1, 8" Thick	CY	2,500	\$100	\$250,000	
501.1	Storm Drain Pipe	LF	300	\$125	\$37,500	
502.1	Storm Drain Manholes	LS	All Reqd	\$40,000	\$40,000	
600.1	Misc. Utility Lid and Grate Adjustments PERMANENT CONCRETE WASHDOWN PAD	LS	All Reqd	\$50,000	\$50,000	\$957,50
301.2	Concrete Wash Down Pad w/ Hydronic Piping	EA	1	\$300,000	\$300,000	\$300,00
	YARD TRANSPORTER					
1200.2		LS	All Reqd	\$250,000	\$250,000	\$250,00
	150T DECKOVER, 32X60			<b>**</b> • • • • • • • • • • • • • • • • • • •	<b>* - - - - - - - - - -</b>	
886.2 896.3	Timber End Curb with Tire Fenders Vertical Steel Pipe Piles	LS EA	All Reqd 6	\$50,000 \$20,000	\$50,000 \$120,000	
	Battered Steel Pipe Piles	EA	2	\$20,000 \$24,000	\$120,000 \$48,000	
	Precast Concrete Deck Panels	CY	140	\$2,000	\$280,000	
601.1	Deck C.I.P Concrete and Grout	LS	All Reqd	\$100,000	\$100,000	
120.1	Steel Pile Caps, Pile Chutes & Misc. Weldments	TON	20	\$8,000	\$160,000	\$758,00
	300 TON HAULOUT PIER					
882.1	UHMW Pile Rubstrips	LS	All Reqd	\$200,000 \$200,000	\$200,000 \$200,000	
886.1 896.1	Side Curbs Steel Pipe Fender Piles with HDPE Sleeves	LS EA	All Reqd 18	\$200,000 \$20,000	\$200,000 \$360,000	
896.2	Steel Pipe Corner Fender Piles with HDPE Sleeves	EA	2	\$25,000	\$50,000	
896.3	Vertical Steel Pipe Piles	EA	35	\$20,000	\$700,000	
	Battered Steel Pipe Piles	EA	8	\$24,000	\$192,000	
	Retaining Wall	CY	60	\$2,750	\$165,000	
420.1	Precast Concrete Deck Panels	CY	230	\$2,000	\$460,000	
	Deck C.I.P Concrete and Grout	LS	All Reqd	\$200,000 \$8,000	\$200,000 \$240,000	
120.1	Steel Pile Caps, Pile Chutes & Misc. Weldments	TON LS	30 All Read	\$8,000 \$75.000	\$240,000 \$75,000	\$2,842,00
120.2	Steel Pipe Bullrail UPLANDS EXPANSION @ 300T PIER	Г2	All Reqd	\$75,000	\$75,000	φ <b>∠,</b> 04 <b>∠,</b> 0(
203.1	Shot Rock Borrow	CY	1,000	\$50	\$50,000	
204.1	Base Course Grading C-1	CY	75	<b>\$1</b> 00	\$7,500	
205.2	Relocate Armor Rock	CY	1,500	\$40	\$60,000	\$117,50
	300T DECKOVER, 40X100			*=*	<b>*</b>	
886.2	Timber End Curb with Tire Fenders	LS	All Reqd	\$50,000 \$20,000	\$50,000 \$200,000	
896.3 896.4	Vertical Steel Pipe Piles Battered Steel Pipe Piles	EA EA	10 2	\$20,000 \$24,000	\$200,000 \$48,000	
896.4 420.1	Precast Concrete Deck Panels	EA CY	2 300	\$24,000 \$2,000	\$48,000 \$600,000	
	Deck C.I.P Concrete and Grout	LS	All Reqd	\$150,000	\$000,000 \$150,000	
	Steel Pile Caps, Pile Chutes & Misc. Weldments	TON	40	\$8,000	\$320,000	\$1,368,00
	QUEUING FLOAT & GANGWAY					
894.1	5x80 Aluminum Gangway & Hinge Assembly	LS	All Reqd	\$125,000	\$125,000	
895.1	10x80 Moorage Float Vortical Staal Pina Pilos	SF	800	\$300 \$18,000	\$240,000 \$54,000	
896.3	Vertical Steel Pipe Piles Precast Concrete Deck Panels	EA CY	3 5	\$18,000 \$1,500	\$54,000 \$7,500	
	Deck C.I.P Concrete and Grout	LS	All Reqd	\$1,500 \$5,000	\$7,500 \$5,000	
420.1		TON	3	\$ <b>3,</b> 000 \$ <b>8,</b> 000	\$ <b>24,</b> 000	\$455,50
420.1	Steel Pile Cap & Misc. Weldments					
420.1 601.1	Steel Pile Cap & Misc. Weldments UTILITY BUILDING					
420.1 601.1 120.1 3000.1	UTILITY BUILDING Building, Hydronic Boiler, Restroom, Office	SF	960	<b>\$</b> 750	\$720,000	
420.1 601.1 120.1 3000.1	<b>UTILITY BUILDING</b> Building, Hydronic Boiler, Restroom, Office Power to Utility Building	SF LS	960 All Reqd	\$750 \$50,000	\$720,000 \$50,000	\$770,00
420.1 601.1 120.1 3000.1 5000.1	UTILITY BUILDING Building, Hydronic Boiler, Restroom, Office Power to Utility Building GRAVEL HAULOUT RAMP	LS	All Reqd	\$50,000	\$50,000	\$770,00
420.1 601.1 120.1 3000.1 5000.1	UTILITY BUILDING Building, Hydronic Boiler, Restroom, Office Power to Utility Building GRAVEL HAULOUT RAMP Shot Rock Borrow	LS CY	All Reqd 2,500	\$50,000 \$50	\$50,000 \$125,000	\$770,00
420.1 601.1 120.1 3000.1 6000.1 2203.1 2204.1	UTILITY BUILDING Building, Hydronic Boiler, Restroom, Office Power to Utility Building GRAVEL HAULOUT RAMP Shot Rock Borrow Base Course Grading C-1	LS CY CY	All Reqd 2,500 300	\$50,000 \$50 \$100	\$50,000 \$125,000 \$30,000	\$770,00
420.1 601.1 120.1 3000.1 5000.1	UTILITY BUILDING Building, Hydronic Boiler, Restroom, Office Power to Utility Building GRAVEL HAULOUT RAMP Shot Rock Borrow	LS CY	All Reqd 2,500	\$50,000 \$50	\$50,000 \$125,000	\$295,0
420.1 601.1 120.1 3000.1 6000.1 2203.1 2204.1	UTILITY BUILDING Building, Hydronic Boiler, Restroom, Office Power to Utility Building GRAVEL HAULOUT RAMP Shot Rock Borrow Base Course Grading C-1 Armor Rock ESTIMATED CONSTRUCTION BID PRICE CONTINGENCY & INDIRECT COSTS (35%)	LS CY CY	All Reqd 2,500 300	\$50,000 \$50 \$100	\$50,000 \$125,000 \$30,000 \$140,000 <b>\$8,930,350</b> \$3,125,623	\$295,00
420.1 601.1 120.1 3000.1 5000.1 203.1 204.1	UTILITY BUILDING Building, Hydronic Boiler, Restroom, Office Power to Utility Building GRAVEL HAULOU'T RAMP Shot Rock Borrow Base Course Grading C-1 Armor Rock ESTIMATED CONSTRUCTION BID PRICE	LS CY CY	All Reqd 2,500 300	\$50,000 \$50 \$100	\$50,000 \$125,000 \$30,000 \$140,000 <b>\$8,930,350</b>	\$770,00 \$295,00 \$8,930,35

## PRELIMINARY ENGINEER'S ROM BUDGET Prepared By: PND Engineers, Inc. on June 14, 2023

	BASE BID ITEMS					
Item	Item Description	Units	Quantity	Unit Cost	Amount	Sub-Total
505.1	GENERAL CONTRACT ITEMS Mobilization/Demobilization	LS	All Reqd	10%	\$525,000	
2702.1	Construction Surveying 150 TON HAULOUT PIER	LS	All Reqd	\$50,000	\$50,000	\$575,00
882.1	UHMW Pile Rubstrips	LS	All Reqd	\$225,000	\$225,000	
886.1	Side Curbs	LS	All Reqd	\$250,000	\$250,000	
896.1	Steel Pipe Fender Piles with HDPE Sleeves	EA	14	\$20,000	\$280,000	
896.2 896.3	Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles	EA EA	2 48	\$25,000 \$20,000	\$50,000 \$960,000	
896.3	Battered Steel Pipe Piles	EA	40 10	\$20,000 \$24,000	\$980,000 \$240,000	
305.1	Retaining Wall	СҮ	150	\$2,750	\$412,500	
420.1	Precast Concrete Deck Panels	CY	300	\$2,000	\$600,000	
601.1	Deck C.I.P Concrete and Grout	LS	All Reqd	\$250,000	\$250,000	
120.1 120.2	Steel Pile Caps, Pile Chutes & Misc. Weldments Steel Pipe Bullrail	TON LS	40 All Reqd	\$8,000 \$125,000	\$320,000 \$125,000	\$3,712,50
	UPLANDS EXPANSION @ PIER		· · · · ·			
203.1	Shot Rock Borrow	CY	11,000	\$50	\$550,000	
204.1 205.1	Base Course Grading C-1	CY CY	750 2 200	\$100 \$100	\$75,000	¢045.00
205.1	Armor Rock STORMWATER TREATMENT w/ MINIMUM YA		3,200 RMWATER (	\$100 COLLECTION	\$320,000	\$945,00
202.1	Rough Grade Existing Site to Drain Inlets	LS	All Reqd	\$50,000	\$50,000	
501.1	Storm Drain Pipe	LF	700	\$125	\$87,500	
502.1	Storm Drain Manholes & Water Quality Unit	LS	All Reqd	\$80,000	\$80,000	\$217,5
401.1	<b>TEMPORARY WASHDOWN PAD</b> Water Service to Wash Down Pad	LS	All Reqd	\$25,000	\$25,000	
2601.1	Sewer Service & Lift Station to Wash Down Pad	LS	All Reqd	\$25,000 \$125,000	\$25,000 \$125,000	
301.2	Temporary Wash Down Curbed Membrane Liner	EA	1	\$50,000	\$50,000	
1170.1	Washwater Pretreatment Facilities	LS	All Reqd	\$125,000	\$125,000	\$325,00
	ESTIMATED CONSTRUCTION BID PRICE				\$5,775,000	\$5,775,00
	CONTINGENCY & INDIRECT COSTS (35%) REMAINING FUNDS AVAILABLE FOR MARINE	BOAT HO	DIST (INSUF	FICIENT)	\$2,021,250 \$390,000	
	TOTAL RECOMMENDED BASE BUDGET				\$8,186,250	
	OPTIONAL or ADDITIVE ALTERNATE ITE	EMS				
505.1	GENERAL CONTRACT ITEMS Mobilization/Demobilization	LS	All Reqd	10%	\$731,150	
2702.1	Construction Surveying	LS	All Reqd	\$5,000	\$5,000	\$736,15
	NORTH BOAT YARD SITE GRADING & DRAINA		1			
060.1	Demolition & Disposal	LS	All Reqd	\$100,000	\$100,000	
202.1	Excavation, 1' Avg Depth	CY	4,000	\$20	\$80,000	
202.2 204.1	Subbase, 2' Thick Base Course Grading C-1, 8" Thick	CY CY	8,000 2,500	\$50 \$100	\$400,000 \$250,000	
204.1	Storm Drain Pipe	LF	300	\$125	\$37,500	
502.1	Storm Drain Manholes	LS	All Reqd	\$40,000	\$40,000	
600.1	Misc. Utility Lid and Grate Adjustments	LS	All Reqd	\$50,000	\$50,000	\$957,50
201.0	PERMANENT CONCRETE WASHDOWN PAD	T: A	1	\$200,000	¢200.000	¢200.00
301.2	Concrete Wash Down Pad w/ Hydronic Piping YARD TRANSPORTER	EA	1	\$300,000	\$300,000	\$300,00
1200.2		LS	All Reqd	\$250,000	\$250,000	\$250,00
	150 T DECKOVER, 32X100					
886.2	Timber End Curb with Tire Fenders	LS	All Reqd	\$50,000	\$50,000	
896.3 896.4	Vertical Steel Pipe Piles Battered Steel Pipe Piles	EA EA	10 2	\$20,000 \$24,000	\$200,000 \$48,000	
420.1	Precast Concrete Deck Panels	СҮ	230	\$2,000	\$460,000	
601.1	Deck C.I.P Concrete and Grout	LS	All Reqd	\$150,000	\$150,000	
120.1	Steel Pile Caps, Pile Chutes & Misc. Weldments	TON	30	\$8,000	\$240,000	\$1,148,00
0071	300 TON HAULOUT PIER	TC	All Dood	\$225.000	\$225 000	
882.1 886.1	UHMW Pile Rubstrips Side Curbs	LS LS	All Reqd All Reqd	\$225,000 \$250,000	\$225,000 \$250,000	
896.1	Steel Pipe Fender Piles with HDPE Sleeves	EA	14	\$20,000	\$280,000	
896.2	Steel Pipe Corner Fender Piles with HDPE Sleeves	EA	2	\$25,000	\$50,000	
896.3	Vertical Steel Pipe Piles	EA	23	\$20,000	\$460,000	
896.4	Battered Steel Pipe Piles	EA	5	\$24,000	\$120,000	
305.1 420.1	Retaining Wall Precast Concrete Deck Panels	CY CY	60 120	\$2,750 \$2,000	\$165,000 \$240,000	
601.1	Deck C.I.P Concrete and Grout	LS	All Reqd	\$2,000 \$100,000	\$240,000 \$100,000	
120.1	Steel Pile Caps, Pile Chutes & Misc. Weldments	TON	15	\$8,000	\$120,000	
120.2	Steel Pipe Bullrail	LS	All Reqd	\$125,000	\$125,000	\$2,135,00
202.4	UPLANDS EXPANSION @ 300T PIER	CV	1.000	¢EO	¢E0.000	
203.1 204.1	Shot Rock Borrow Base Course Grading C-1	CY CY	1,000 75	\$50 \$100	\$50,000 \$7,500	
204.1	Relocate Armor Rock	CY	1,500	\$100 \$40	\$60,000	\$117,50
	300T DECKOVER, 40X60					
886.2	Timber End Curb with Tire Fenders	LS	All Reqd	\$50,000	\$50,000	
896.3	Vertical Steel Pipe Piles Battared Steel Pipe Piles	EA EA	6	\$20,000 \$24,000	\$120,000 \$48,000	
896.4 420.1	Battered Steel Pipe Piles Precast Concrete Deck Panels	EA CY	2 180	\$24,000 \$2,000	\$48,000 \$360,000	
601.1	Deck C.I.P Concrete and Grout	LS	All Reqd	\$100,000	\$100,000	
120.1	Steel Pile Caps, Pile Chutes & Misc. Weldments	TON	25	\$8,000	\$200,000	\$878,0
	QUEUING FLOAT & GANGWAY	•	4.11 -	<b>6.4 6 =</b> 6 = -	A	
894.1 895.1	5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float	LS SF	All Reqd 800	\$125,000 \$300	\$125,000 \$240,000	
895.1	Vertical Steel Pipe Piles	EA	3	\$300 \$18,000	\$240,000 \$54,000	
420.1	Precast Concrete Deck Panels	CY	5	\$1,500	\$7,500	
601.1	Deck C.I.P Concrete and Grout	LS	All Reqd	\$5,000	\$5,000	
120.1	Steel Pile Cap & Misc. Weldments	TON	3	\$8,000	\$24,000	\$455,50
3000.1	UTILITY BUILDING Building, Hydronic Boiler, Restroom, Office	SF	960	\$750	\$720,000	
5000.1 5000.1	Power to Utility Building	LS	All Reqd	\$750 \$50,000	\$720,000 \$50,000	\$770,00
***	GRAVEL HAULOUT RAMP					
203.1	Shot Rock Borrow	CY	2,500	\$50	\$125,000	
204.1	Base Course Grading C-1	CY	300	\$100 \$100	\$30,000 \$140,000	AAA
205.1	Armor Rock ESTIMATED CONSTRUCTION BID PRICE	CY	1,400	\$100	\$140,000 \$8,042,650	\$295,00 \$8,042,65
	CONTINGENCY & INDIRECT COSTS (35%)				\$8,042,650 \$2,814,928	φ <b>0,04</b> 2,0
					\$1,110,000	
	MARINE BOAT HOIST UPGRADES					
	MARINE BOAT HOIST UPGRADES TOTAL RECOMMENDED PROJECT BUDGET				\$11,967,578	

#### PRELIMINARY ENGINEER'S ROM BUDGET Prepared By: PND Engineers, Inc. on June 14, 2023

	BASE BID ITEMS Item Description	Units	Quantity	Unit Cost	Amount	Sub-Total
	GENERAL CONTRACT ITEMS				-	
505.1	Mobilization/Demobilization	LS	All Reqd	10%	<b>\$</b> 473 <b>,</b> 850	
2702.1	Construction Surveying	LS	All Reqd	\$50,000	\$50,000	\$523,85
00004	150 TON HAULOUT PIER	TO		<b>*2</b> 00.000	<b>*2</b> 00,000	
882.1	UHMW Pile Rubstrips	LS	All Reqd	\$200,000 \$200,000	\$200,000 \$200,000	
886.1 896.1	Side Curbs Steel Pipe Fender Piles with HDPE Sleeves	LS EA	All Reqd 12	\$200,000 \$20,000	\$200,000 \$240,000	
896.1	Steel Pipe Corner Fender Piles with HDPE Sleeves	EA	2	\$20,000 \$25,000	\$240,000 \$50,000	
896.3	Vertical Steel Pipe Piles	EA	40	\$20,000	\$800,000	
896.4	Battered Steel Pipe Piles	EA	8	\$24,000	\$192,000	
305.1	Retaining Wall	CY	160	\$2,750	\$440,000	
6420.1	Precast Concrete Deck Panels	CY	270	\$2,000	\$540,000	
601.1	Deck C.I.P Concrete and Grout	LS	All Reqd	\$200,000	\$200,000	
120.1	Steel Pile Caps, Pile Chutes & Misc. Weldments	TON	33	\$8,000	\$264,000	
120.2	Steel Pipe Bullrail	LS	All Reqd	\$75,000	\$75,000	\$3,201,00
	UPLANDS EXPANSION @ PIER					
203.1	Shot Rock Borrow	CY	11,000	\$50	\$550,000	
204.1	Base Course Grading C-1	CY	750	\$100	\$75,000	<b>6045</b> 00
205.1	Armor Rock STORMWATER TREATMENT w/ MINIMUM Y	CY	3,200	\$100	\$320,000	\$945,00
202.1	Rough Grade Existing Site to Drain Inlets	LS	All Reqd	\$50,000	\$50,000	
501.1	Storm Drain Pipe	LS	700	\$125	\$30,000 \$87,500	
502.1	Storm Drain Manholes & Water Quality Unit	LS	All Reqd	\$80,000	\$80,000	\$217,50
502.1	TEMPORARY WASHDOWN PAD	10	7111 Heequ	<i>\\</i> 00,000	¥00,000	<i>4211,00</i>
2401.1	Water Service to Wash Down Pad	LS	All Reqd	\$25,000	\$25,000	
2601.1	Sewer Service & Lift Station to Wash Down Pad	LS	All Reqd	\$125,000	\$125,000	
3301.2	Temporary Wash Down Curbed Membrane Liner	EA	1	\$50,000	\$50,000	
1170.1	Washwater Pretreatment Facilities	LS	All Reqd	\$125,000	\$125,000	\$325,00
	ESTIMATED CONSTRUCTION BID PRICE				\$5,212,350	\$5,212,3
	CONTINGENCY & INDIRECT COSTS (35%)				\$1,824,323	
	150T STANDARD MARINE BOAT HOIST			<u> </u>	\$1,150,000	
	TOTAL RECOMMENDED BASE BUDGET				\$8,186,673	
	<b>OPTIONAL or ADDITIVE ALTERNATE IT</b>	FMS				
	GENERAL CONTRACT ITEMS					
505.1	Mobilization/Demobilization	LS	All Reqd	10%	\$547,500	
2702.1	Construction Surveying	LS	All Reqd	\$5,000	\$5,000	\$552,50
	NORTH BOAT YARD SITE GRADING & DRAI		7111 Hequ	<b>43,</b> 000	<i>\</i> \$ <b>5,</b> 000	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
060.1	Demolition & Disposal	LS	All Reqd	\$100,000	\$100,000	
202.1	Excavation, 1' Avg Depth	CY	4,000	\$20	\$80,000	
202.2	Subbase, 2' Thick	CY	8,000	\$50	\$400,000	
204.1	Base Course Grading C-1, 8" Thick	CY	2,500	\$100	\$250,000	
2501.1	Storm Drain Pipe	LF	300	\$125	\$37,500	
2502.1	Storm Drain Manholes	LS	All Reqd	\$40,000	\$40,000	
2600.1	Misc. Utility Lid and Grate Adjustments	LS	All Reqd	\$50,000	\$50,000	\$957,50
	PERMANENT CONCRETE WASHDOWN PAD			***	****	
301.2	Concrete Wash Down Pad w/ Hydronic Piping YARD TRANSPORTER	EA	1	\$300,000	\$300,000	\$300,0
1200.2	40 T Yard Transporter, Shipping & Assembly	LS	All Reqd	\$250,000	\$250,000	\$250,00
1200.2	DECKOVER, 32X60	LO	7 in Requ	<i>\\</i> 230,000	<i>\\</i> 250,000	φ250,00
2886.2	Timber End Curb with Tire Fenders	LS	All Reqd	\$50,000	\$50,000	
896.3	Vertical Steel Pipe Piles	EA	6	\$20,000	\$120,000	
896.4	Battered Steel Pipe Piles	EA	2	\$24,000	\$48,000	
			140	\$2,000	\$280,000	
	Precast Concrete Deck Panels	CY				
420.1	*	CY LS	All Reqd	\$100,000	\$100,000	
420.1 601.1	Precast Concrete Deck Panels				\$100,000 \$160,000	\$758,00
420.1 601.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b>	LS	All Reqd	\$100,000		\$758,00
420.1 601.1 120.1 8882.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips	LS TON LS	All Reqd 20 All Reqd	\$100,000 \$8,000 \$150,000	\$160,000 \$150,000	\$758,00
420.1 601.1 120.1 882.1 886.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs	LS TON LS LS	All Reqd 20	\$100,000 \$8,000 \$150,000 \$150,000	\$160,000 \$150,000 \$150,000	\$758,00
420.1 601.1 120.1 882.1 886.1 896.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves	LS TON LS LS EA	All Reqd 20 All Reqd All Reqd 10	\$100,000 \$8,000 \$150,000 \$150,000 \$20,000	\$160,000 \$150,000 \$150,000 \$200,000	\$758,00
420.1 601.1 120.1 882.1 886.1 896.1 896.2	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves	LS TON LS LS EA EA	All Reqd 20 All Reqd All Reqd 10 2	\$100,000 \$8,000 \$150,000 \$150,000 \$20,000 \$25,000	\$160,000 \$150,000 \$150,000 \$200,000 \$50,000	\$758,00
420.1 601.1 120.1 882.1 886.1 896.1 896.2 896.3	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout <u>Steel Pile Caps, Pile Chutes &amp; Misc. Weldments</u> <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles	LS TON LS EA EA EA EA	All Reqd 20 All Reqd All Reqd 10 2 20	\$100,000 \$8,000 \$150,000 \$150,000 \$20,000 \$25,000 \$20,000	\$160,000 \$150,000 \$150,000 \$200,000 \$50,000 \$400,000	\$758,00
420.1 601.1 120.1 8882.1 8886.1 8896.1 8996.2 8896.3 8896.4	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles	LS TON LS EA EA EA EA EA	All Reqd 20 All Reqd All Reqd 10 2 20 6	\$100,000 \$8,000 \$150,000 \$150,000 \$20,000 \$25,000 \$20,000 \$20,000 \$24,000	\$160,000 \$150,000 \$200,000 \$50,000 \$400,000 \$144,000	\$758,00
420.1 601.1 120.1 8882.1 8866.1 8896.1 8896.2 896.3 896.4 420.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels	LS TON LS EA EA EA EA EA CY	All Reqd 20 All Reqd All Reqd 10 2 20 6 130	\$100,000 \$8,000 \$150,000 \$150,000 \$20,000 \$25,000 \$20,000 \$24,000 \$2,000	\$160,000 \$150,000 \$200,000 \$50,000 \$400,000 \$144,000 \$260,000	\$758,00
420.1 601.1 120.1 882.1 886.1 896.1 896.2 896.3 896.3 896.4 420.1 601.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout	LS TON LS EA EA EA EA CY LS	All Reqd 20 All Reqd 10 2 20 6 130 All Reqd	\$100,000 \$8,000 \$150,000 \$150,000 \$20,000 \$25,000 \$20,000 \$24,000 \$24,000 \$150,000	\$160,000 \$150,000 \$200,000 \$50,000 \$400,000 \$144,000 \$260,000 \$150,000	\$758,00
420.1 601.1 120.1 8882.1 8886.1 8896.1 8896.2 8896.3 8896.4 420.1 601.1 6120.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments	LS TON LS EA EA EA EA CY LS TON	All Reqd 20 All Reqd 10 2 20 6 130 All Reqd 15	\$100,000 \$8,000 \$150,000 \$20,000 \$20,000 \$20,000 \$24,000 \$24,000 \$150,000 \$8,000	\$160,000 \$150,000 \$200,000 \$50,000 \$400,000 \$144,000 \$260,000 \$150,000 \$120,000	
420.1 601.1 120.1 8882.1 8886.1 8896.1 8896.2 8896.3 8896.4 420.1 601.1 6120.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments Steel Pipe Bullrail	LS TON LS EA EA EA EA CY LS	All Reqd 20 All Reqd 10 2 20 6 130 All Reqd	\$100,000 \$8,000 \$150,000 \$150,000 \$20,000 \$25,000 \$20,000 \$24,000 \$24,000 \$150,000	\$160,000 \$150,000 \$200,000 \$50,000 \$400,000 \$144,000 \$260,000 \$150,000	
420.1 601.1 120.1 882.1 886.1 896.1 896.2 896.3 896.3 896.4 420.1 601.1 120.1 120.2	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b>	LS TON LS EA EA EA EA CY LS TON LS	All Reqd 20 All Reqd 10 2 20 6 130 All Reqd 15 All Reqd	\$100,000 \$8,000 \$150,000 \$20,000 \$25,000 \$20,000 \$24,000 \$24,000 \$150,000 \$8,000 \$60,000	\$160,000 \$150,000 \$200,000 \$50,000 \$400,000 \$144,000 \$260,000 \$150,000 \$120,000 \$60,000	
420.1 601.1 120.1 8882.1 8886.1 8896.1 8996.2 8996.3 8996.4 420.1 601.1 120.1 120.2 8994.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b> 5x80 Aluminum Gangway & Hinge Assembly	LS TON LS EA EA EA EA CY LS TON LS	All Reqd 20 All Reqd All Reqd 10 2 20 6 130 All Reqd 15 All Reqd All Reqd	\$100,000 \$8,000 \$150,000 \$150,000 \$20,000 \$20,000 \$20,000 \$24,000 \$24,000 \$150,000 \$150,000 \$8,000 \$60,000	\$160,000 \$150,000 \$200,000 \$50,000 \$400,000 \$144,000 \$260,000 \$150,000 \$120,000 \$60,000	
420.1 601.1 120.1 8882.1 8886.1 896.1 896.2 896.3 896.4 6420.1 601.1 6120.1 6120.2 894.1 8895.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b> 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float	LS TON LS EA EA EA EA CY LS TON LS	All Reqd 20 All Reqd 10 2 20 6 130 All Reqd 15 All Reqd	\$100,000 \$8,000 \$150,000 \$150,000 \$20,000 \$25,000 \$20,000 \$24,000 \$24,000 \$150,000 \$8,000 \$60,000 \$125,000 \$300	\$160,000 \$150,000 \$200,000 \$50,000 \$400,000 \$144,000 \$260,000 \$150,000 \$120,000 \$60,000	
420.1 601.1 120.1 2882.1 2886.1 2896.1 2896.3 2896.3 2896.4 420.1 601.1 6120.1 6120.2 2894.1 2894.1 2895.1 2896.3	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b> 5x80 Aluminum Gangway & Hinge Assembly	LS TON LS EA EA EA EA EA CY LS TON LS LS SF	All Reqd 20 All Reqd 10 2 20 6 130 All Reqd 15 All Reqd 800	\$100,000 \$8,000 \$150,000 \$150,000 \$20,000 \$20,000 \$20,000 \$24,000 \$24,000 \$150,000 \$150,000 \$8,000 \$60,000	\$160,000 \$150,000 \$200,000 \$50,000 \$400,000 \$144,000 \$260,000 \$150,000 \$120,000 \$120,000 \$60,000 \$125,000 \$240,000	
420.1 601.1 120.1 8882.1 8886.1 8896.1 8996.2 8996.3 8996.4 420.1 601.1 120.2 8994.1 8995.1 8996.3 420.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b> 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles	LS TON LS EA EA EA EA CY LS TON LS SF EA	All Reqd 20 All Reqd All Reqd 10 2 20 6 130 All Reqd 15 All Reqd 15 All Reqd 800 3	\$100,000 \$8,000 \$150,000 \$150,000 \$20,000 \$25,000 \$20,000 \$24,000 \$24,000 \$150,000 \$150,000 \$8,000 \$60,000 \$125,000 \$300 \$18,000	\$160,000 \$150,000 \$200,000 \$200,000 \$400,000 \$144,000 \$260,000 \$150,000 \$150,000 \$120,000 \$120,000 \$125,000 \$240,000 \$54,000	\$758,00 \$1,684,00
420.1 601.1 120.1 8882.1 886.1 896.1 896.2 896.3 896.4 420.1 601.1 120.2 894.1 895.1 896.3 420.1 601.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b> 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles	LS TON LS EA EA EA EA CY LS TON LS LS SF EA CY	All Reqd 20 All Reqd All Reqd 10 2 20 6 130 All Reqd 15 All Reqd 15 All Reqd 800 3 5	\$100,000 \$8,000 \$150,000 \$20,000 \$20,000 \$20,000 \$20,000 \$24,000 \$24,000 \$150,000 \$150,000 \$150,000 \$125,000 \$125,000 \$125,000 \$1150,000 \$1150,000 \$1150,000 \$1150,000 \$1150,000 \$1150,000 \$1150,000 \$1150,000 \$1150,000 \$1150,000 \$1150,000 \$100,000\$100,000 \$100,0000\$100,000 \$100,000\$100,000\$100,000\$100,000\$100,000\$100,000\$100,0	\$160,000 \$150,000 \$200,000 \$200,000 \$50,000 \$400,000 \$144,000 \$260,000 \$150,000 \$120,000 \$60,000 \$125,000 \$240,000 \$54,000 \$7,500	\$1,684,00
420.1 601.1 120.1 2882.1 2886.1 2896.1 2896.2 2896.3 2896.4 6420.1 6420.1 6420.1 6420.1 6420.1 2895.1 2895.1 2896.3 6420.1 6601.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b> 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles Precast Concrete Deck Panels	LS TON LS EA EA EA EA CY LS TON LS SF EA CY LS	All Reqd 20 All Reqd 10 2 20 6 130 All Reqd 15 All Reqd 800 3 5 All Reqd	\$100,000 \$8,000 \$150,000 \$20,000 \$25,000 \$20,000 \$22,000 \$24,000 \$24,000 \$150,000 \$150,000 \$60,000 \$125,000 \$300 \$125,000 \$300 \$18,000 \$1,500 \$5,000	\$160,000 \$150,000 \$200,000 \$200,000 \$400,000 \$144,000 \$260,000 \$150,000 \$120,000 \$120,000 \$60,000 \$125,000 \$240,000 \$54,000 \$7,500 \$5,000	
420.1 601.1 120.1 8882.1 8886.1 8896.1 8996.2 8996.3 8996.4 420.1 601.1 6120.1 8995.1 8996.3 420.1 601.1 120.2	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b> 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Cap & Misc. Weldments 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Cap & Misc. Weldments	LS TON LS EA EA EA EA CY LS TON LS SF EA CY LS SF EA CY LS SF	All Reqd 20 All Reqd 10 2 20 6 130 All Reqd 15 All Reqd 800 3 5 All Reqd 800 3 5 All Reqd 3 960	\$100,000 \$8,000 \$150,000 \$20,000 \$25,000 \$20,000 \$22,000 \$24,000 \$24,000 \$150,000 \$150,000 \$60,000 \$125,000 \$300 \$125,000 \$300 \$18,000 \$1,500 \$5,000	\$160,000 \$150,000 \$200,000 \$200,000 \$400,000 \$144,000 \$260,000 \$150,000 \$120,000 \$120,000 \$60,000 \$125,000 \$240,000 \$54,000 \$7,500 \$5,000	\$1,684,00 \$455,50
420.1 601.1 120.1 8882.1 8886.1 8896.1 8896.2 8896.3 8896.4 6420.1 6601.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b> 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps & Misc. Weldments Steel Pile Cape & Misc. Weldments Deck C.I.P Concrete and Grout Vertical Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Cap & Misc. Weldments	LS TON LS EA EA EA EA CY LS TON LS SF EA CY LS SF EA CY LS TON	All Reqd 20 All Reqd All Reqd 10 2 20 6 130 All Reqd 15 All Reqd 15 All Reqd 800 3 5 All Reqd 3 5 All Reqd 3	\$100,000 \$8,000 \$150,000 \$20,000 \$20,000 \$20,000 \$20,000 \$24,000 \$24,000 \$150,000 \$150,000 \$125,000 \$300 \$125,000 \$300 \$18,000 \$18,000 \$1,500 \$5,000 \$8,000	\$160,000 \$150,000 \$200,000 \$200,000 \$50,000 \$400,000 \$144,000 \$260,000 \$150,000 \$120,000 \$60,000 \$125,000 \$240,000 \$54,000 \$54,000 \$54,000 \$24,000	\$1,684,00
420.1 601.1 120.1 8882.1 8886.1 8896.1 8996.2 8996.3 8996.4 420.1 601.1 120.1 8995.1 8995.1 8995.3 420.1 601.1 120.1 3000.1 6000.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Corner Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b> 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b> 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Cap & Misc. Weldments <b>UTILITY BUILDING</b> Building, Hydronic Boiler, Restroom, Office Power to Utility Building <b>GRAVEL HAULOUT RAMP</b>	LS TON LS EA EA EA EA CY LS TON LS SF EA CY LS TON SF LS	All Reqd 20 All Reqd 10 2 20 6 130 All Reqd 15 All Reqd 3 5 All Reqd 3 5 All Reqd 3 5 All Reqd 3 5 All Reqd 3	\$100,000 \$8,000 \$150,000 \$20,000 \$20,000 \$20,000 \$22,000 \$24,000 \$150,000 \$150,000 \$60,000 \$125,000 \$300 \$18,000 \$1,500 \$5,000 \$8,000 \$750 \$50,000	\$160,000 \$150,000 \$200,000 \$200,000 \$50,000 \$400,000 \$144,000 \$260,000 \$150,000 \$120,000 \$60,000 \$125,000 \$240,000 \$54,000 \$54,000 \$54,000 \$7,500 \$5,000 \$24,000 \$50,000	\$1,684,00 \$455,50
420.1 601.1 120.1 8882.1 886.1 896.1 896.2 896.3 896.4 420.1 601.1 120.1 120.2 894.1 895.1 896.3 420.1 601.1 120.1 3000.1 6000.1 2203.1	Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments <b>300 TON HAULOUT PIER</b> UHMW Pile Rubstrips Side Curbs Steel Pipe Fender Piles with HDPE Sleeves Steel Pipe Fender Piles with HDPE Sleeves Vertical Steel Pipe Piles Battered Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Caps, Pile Chutes & Misc. Weldments Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b> 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pipe Bullrail <b>QUEUING FLOAT &amp; GANGWAY</b> 5x80 Aluminum Gangway & Hinge Assembly 10x80 Moorage Float Vertical Steel Pipe Piles Precast Concrete Deck Panels Deck C.I.P Concrete and Grout Steel Pile Cap & Misc. Weldments <b>UTILITY BUILDING</b> Building, Hydronic Boiler, Restroom, Office Power to Utility Building <b>GRAVEL HAULOUT RAMP</b> Shot Rock Borrow	LS TON LS EA EA EA EA CY LS TON LS SF EA CY LS TON SF LS CY	All Reqd 20 All Reqd 10 2 20 6 130 All Reqd 15 All Reqd 800 3 5 All Reqd 800 3 5 All Reqd 3 960 All Reqd 2,500	\$100,000 \$8,000 \$150,000 \$150,000 \$20,000 \$25,000 \$20,000 \$24,000 \$24,000 \$150,000 \$60,000 \$125,000 \$300 \$125,000 \$300 \$18,000 \$1,500 \$5,000 \$8,000 \$750 \$50,000	\$160,000 \$150,000 \$200,000 \$200,000 \$50,000 \$400,000 \$144,000 \$260,000 \$120,000 \$120,000 \$125,000 \$240,000 \$7,500 \$54,000 \$7,500 \$5,000 \$24,000 \$720,000 \$50,000 \$125,000	\$1,684,00 \$455,50
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