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DESIGN: CRS CHECKED: CRS
DRAWN: KLL APPROVED: CRS

SCALE:
SCALE IN FEET
0 60 120 FT

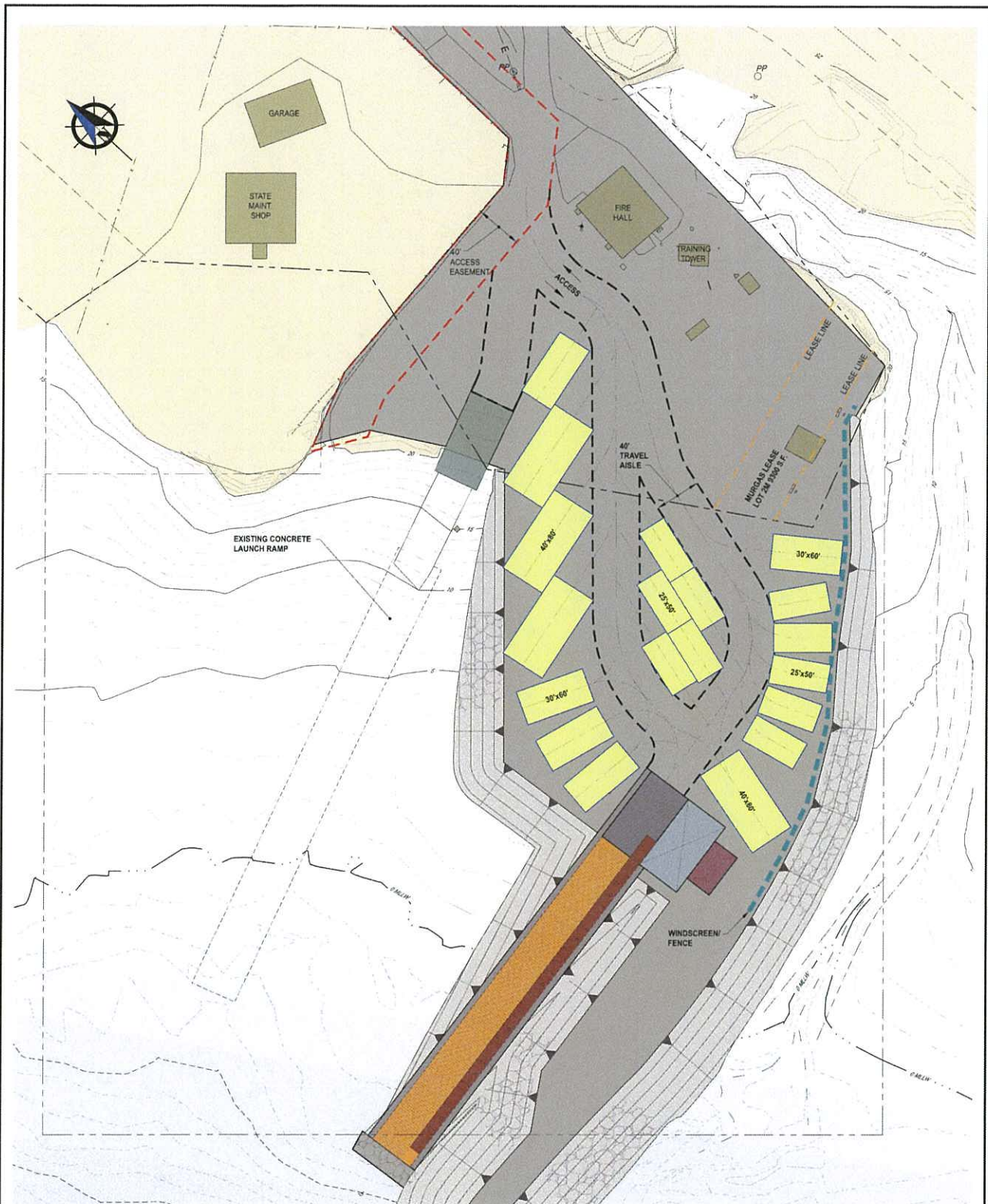
DATE: JUNE 2017

**PETERSBURG, ALASKA
SCOW BAY BOAT HAULOUT**

SHEET TITLE:
**CONCEPT 3
PHASE 1 IMPROVEMENTS**

PHD PROJECT NO.: 162046.01

5
SHEET
5 OF 7



PEDC / PETERSBURG BOROUGH
SCOW BAY 100 TON BOAT HAULOUT - SITE IMPROVEMENTS
PND PROJECT 162046.01
PRELIMINARY BUDGET ESTIMATE - CONCEPT NO.3
PREFERRED ALTERNATIVE - PHASING PLAN
PREPARED BY: PND ENGINEERS, INC.
Prepared on: June 12, 2017



| Item | Item Description | Units | Quantity | Unit Cost | Amount | Preliminary Phasing Plan | | | |
|--|---|-------|-----------|-----------|-------------|--------------------------|-------------|-----------|-------------|
| | | | | | | PH 1 | PH 2 | PH 3 | Sum Check |
| 1505.1 | Mobilization | LS | All Req'd | 8% | \$410,920 | \$217,560 | \$145,920 | \$47,440 | \$410,920 |
| 2060.1 | Demolition and Disposal | LS | All Req'd | \$25,000 | \$25,000 | \$25,000 | | | \$25,000 |
| 2202.1 | Excavation | CY | 500 | \$15 | \$7,500 | \$7,500 | | | \$7,500 |
| 2202.2 | Class A Shot Rock Borrow | CY | 8,000 | \$22 | \$176,000 | \$176,000 | | | \$176,000 |
| 2202.3 | Class B Shot Rock Borrow | CY | 68,000 | \$17 | \$1,156,000 | \$1,156,000 | | | \$1,156,000 |
| 2204.1 | Base Course, Grading A | CY | 600 | \$50 | \$30,000 | \$30,000 | | | \$30,000 |
| 2204.2 | Base Course, Grading C-1 | CY | 2,000 | \$50 | \$100,000 | \$100,000 | | | \$100,000 |
| 2205.1 | Armor Rock | CY | 15,000 | \$55 | \$825,000 | \$825,000 | | | \$825,000 |
| 2205.2 | Underlayer Rock | CY | 5,000 | \$45 | \$225,000 | \$225,000 | | | \$225,000 |
| 2501.1 | Storm Drainage Improvements w/ BMP's | LS | All Req'd | \$100,000 | \$100,000 | \$100,000 | | | \$100,000 |
| 2601.1 | Water and Sewer Services | LF | 2000 | \$75 | \$150,000 | | \$150,000 | | \$150,000 |
| 2601.2 | Sewer Lift Station | LS | All Req'd | \$75,000 | \$75,000 | | \$75,000 | | \$75,000 |
| 2702.1 | Construction Surveying | LS | All Req'd | \$50,000 | \$50,000 | \$35,000.0 | \$10,000.0 | \$5,000.0 | \$50,000 |
| 2714.1 | Geotextile Fabric | SY | 10,000 | \$4 | \$40,000 | \$40,000 | | | \$40,000 |
| 2893.1 | Timber Boarding Float | LS | All Req'd | \$500,000 | \$500,000 | | | \$500,000 | \$500,000 |
| 2896.1 | Furnish and Install Steel Pipe Pile | EA | 11 | \$8,000 | \$88,000 | | | \$88,000 | \$88,000 |
| 3305.1 | Concrete Approach Apron and Abutment | LS | All Req'd | \$65,000 | \$65,000 | | \$65,000 | | \$65,000 |
| 3305.2 | Precast Concrete Ramp Planks | SF | 11,200 | \$60 | \$672,000 | | \$672,000 | | \$672,000 |
| 3306.1 | Concrete Wash Down Pad w/ Hydronic Piping | CY | 130 | \$1,100 | \$143,000 | | \$143,000 | | \$143,000 |
| 11000.1 | Grit Chamber, O/W Separator, Filter Vault | LS | All Req'd | \$75,000 | \$75,000 | | \$75,000 | | \$75,000 |
| 13000.1 | Utility Building w/ Hydronic Boiler | SF | 960 | \$400 | \$384,000 | | \$384,000 | | \$384,000 |
| 16000.1 | Power and Lighting | LS | All Req'd | \$250,000 | \$250,000 | | \$250,000 | | \$250,000 |
| ESTIMATED CONSTRUCTION BID PRICE | | | | | \$5,547,420 | \$2,937,060 | \$1,969,920 | \$640,440 | \$5,547,420 |
| Contingency (10%) | | | | | \$554,742 | \$293,706 | \$196,992 | \$64,044 | \$554,742 |
| Environmental Permitting | | | | | \$75,000 | \$75,000 | | | \$75,000 |
| Topographic Survey & Geotechnical Investigation | | | | | \$125,000 | \$125,000 | | | \$125,000 |
| Final Design & Contract Documents | | | | | \$443,794 | \$234,965 | \$157,594 | \$51,235 | \$443,794 |
| Contract Administration and Construction Inspection | | | | | \$443,794 | \$234,965 | \$157,594 | \$51,235 | \$443,794 |
| TOTAL RECOMMENDED PROJECT BUDGET - SITE IMPROVEMENTS | | | | | \$7,189,749 | \$3,900,696 | \$2,482,099 | \$806,954 | \$7,189,749 |

Note: This estimate does not include costs for the 100 ton hydraulic trailer.