Pacific Pile & Marine, LP
700 South Riverside Drive
Seattle, WA 98108

T 206 331-3873
F 206 774-5958
License # PACIFPM922J3

7/14/2023

Brad Ryan
City Manager
Municipality of Skagway
700 Spring St.
Skagway, AK 99840

RE: Skagway Ore Peninsula Redevelopment Descoping Pricing

Please find attached Pacific Pile & Marine's (PPM) proposal for the Skagway Ore Peninsula Redevelopment De-Scoping Pricing based on drawings received 07/05/2023 and discussions thereafter.

Revised Validity

- **The milestone dates included in addendum 16 are amended as follows:**
- **Please see revised proposal dated 07/14/2023. This pricing assumes notice of award and notice to proceed (NTP) will be provided by MOS on or before 07/20/2023.**
- **PPM recognizes that award of the Additional MSP Scope of Works is subject to negotiations between MOS and the Yukon Province and that award and NTP will not be provided on 07/20/2023. However, to extend the validity of the MSP bid item, the MSP must be awarded before 09/01/2023 as the bid validity on all material prices expire at the end of August. After the end of August, inflationary pressure on steel and pipe piles may result in PPM having to amend the MSP pricing.**

Documents Included:

Appendix A: Pricing for Concept De-Scoping Plan – 07/05/2023
Appendix B: Updated P6 Schedule Based on De-Scoping Plan
Appendix C: PPM Contract Clarifications and Exceptions
Appendix D: Concept Drawings provided by KPFF
Appendix E: PPM Demolition Scope Drawing
Appendix F: PPM Pile Table Markup
Appendix G: Haskell Temp Fuel Line Quote and Exclusions

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CLARIFICATIONS

Demolition – See Appendix E

PPM has amended demolition pricing based on the descoping drawing provided by KPFF on 07/05/2023 and has provided an additional marked up drawing to clarify the scope.

Demolition Inclusions:

Season 1

- *Existing Ore Loader*
  - PPM will abate, cut, lift-off/remove, demolish, and dispose of the existing Ore Loader.
  - PPM will include the appropriate BMPs involved when disposing of a structure with this level of contamination.
- *Existing Mooring Dolphin A (Dolphin 3)*
  - PPM to remove existing dolphin cap and gangway to be modified.
- *Existing Dolphin B (Dolphin 4) and Existing Dolphin C (Dolphin 5)*
  - PPM to remove and dispose existing fenders and fender piles at both locations and protect-in-place existing spin-fin piles and existing caps per drawing D1.01
- *Existing Mooring Dolphins D, E, and F*
  - PPM to remove and dispose 3 existing mooring dolphins including piles, fenders, and caps at each location per drawing D1.01.
  - Existing spin-fin piles (11ea) will be cut-off at mudline by divers.
- *Existing Dolphins G and H*
  - PPM to remove and dispose 2 existing dolphins including piles, fenders, and caps at each location per drawing D1.02.
  - Existing spin-fin piles (6ea) will be cut-off at mudline by divers.
- *Existing Concrete Dock*
  - PPM will demolish and dispose of the existing concrete dock as shown on drawing D1.02.
  - Existing spin-fin piles (41ea) will be cut-off at mudline by divers.
- *Existing South In-Fill and Existing Covered Walkway*
  - PPM and our subcontractors will demolish and dispose the existing South In-Fill and Covered Walkway timber dock as shown on drawing D1.03 and D1.04.
  - Creosote timber associated with this dock will be disposed at an approved upland facility.
- *Existing Dolphin #3*
  - PPM will demolish and dispose Existing Dolphin #3 including piles, fender, and cap per drawing D1.03.
- *Existing Dolphin #4*
  - PPM will demolish and dispose Existing Dolphin #4 including piles, fender, and cap per drawing D1.04.
- *Existing Ore Loader Supporting Concrete Structure*
  - PPM will demolish and dispose of the existing Ore Loader Supporting Concrete Structure on the offshore end of the Ore Loader Structure including the cap and supporting piles per drawing D1.04.
  - PPM will install temporary falsework to support the cap during demolition.

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- PPM will sawcut the concrete cap into manageable sizes to be lifted by PPM's Derrick Barge the Pacific Lifter.

- *Existing Gangways*
  - PPM will lift off and salvage existing gangways where shown and called out on drawings D1.01 through D1.04.

Season 2

- *Existing Dolphin 5*
  - PPM will demolish and dispose Existing Dolphin #4 including piles, fender, and cap per drawing D1.04.
  - Existing Dolphin 5 is mis-numbered on drawing G8.05 and the Concept De-Scoping Plan – 07/05/2023 drawing provided by KPFF. This dolphin will be removed and disposed of in Season 2 and will be considered as part of the MSP Additive item.
- *Existing Timber Middle In-Fill and Timber Ore Dock*
  - PPM and our subcontractors will partially demolish and dispose of the existing Middle In-Fill and Ore Dock as shown on drawing provided by Ed Debroeck 07/07/2023, also shown on D1.04 and D1.05.
  - It is assumed that approximately 50% of each structure will be demolished.
  - All creosote timber piles will be disposed of at the appropriate approved upland facility.
- *Existing Dolphin #6 and Existing Barge Dolphin #1*
  - Existing dolphins above will be demolished and disposed including piles, fenders, and caps.

Demolition Exclusions:

- **Existing Ore Conveyor No. 2 Supporting Concrete platform and piling demolition is Excluded.**
- **Existing Fuel Header and Fuel Lines running out to the dock demolition is Excluded.**
- **Remainder of Existing Middle In-Fill not mentioned above (approximately 50%) is excluded.**
- **Remainder of Existing Ore Dock and Walkways not mentioned above (approximately 50%) is excluded.**
- **Existing Barge Dolphins # 2 and #3 is excluded.**
- **Existing Dolphin #7 is excluded.**
- **Existing Tug Dolphin 2 and its associated catwalk is excluded.**
- **Any other demolition not specifically stated in the inclusions is excluded.**

Piling and Pile Driving

- It is PPM's understanding that the updated scope of works provided on 07/05/2023 does not require PPM to purchase new 48", 42", 36", or 24" piles and associated plug plates for the base bid.
- PPM includes the purchase of 2 each 30" Diameter by 0.75" Wall-Thickness piles (Pile #100 and #101) associated with Catwalk Support #1.
- **PPM acknowledges that concurrent pile driving with the use of vibratory hammers, impact hammers, or any combination thereof is expected to not be allowed by the permits and therefore PPM has included that in this price.**

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- Piles previously procured by MOS but not currently in this scope will be delivered to Skagway in their supplied lengths without any splicing where applicable.
- PPM has included 8 PDA tests in the base bid.
- Pile supported structures to be built and included in the **Base Bid** price are as followed:
  - Dolphin 1 (Pile #1 through Pile #6)
  - Dolphin 2 (Pile #7 through Pile #12)
  - Dolphin 3 (Pile #13 through Pile #17)
  - Cruise Dock Float Guide Piles (Pile #18 through Pile #29, Pile #30 and #31 are not included but will be delivered to site)
  - Cruise Dock Trestle Piles (Pile #32 through Pile #43)
  - Dolphin 6 (Pile #48 through Pile #57)
  - Dolphin 7 (Pile #58 through Pile #67)
  - Catwalk Supports (Pile #100 through Pile #103)
  - Dolphin 4 Fender Piles (Pile #106 through Pile #108)
  - Dolphin 5 Fender Piles (Pile #109 through Pile #111)
- Pile supported structures to be built and included in the **Marine Services Platform (MSP)** price are as followed:
  - Marine Services Platform (Pile #M001 through Pile #M100)
    - All piles and plug plates to be procured by PPM
  - MSP Fender Piles (Pile #M101 through Pile #M106)
    - All piles and plug plates to be procured by PPM
  - MSP Dolphin S1 (Pile #M107 through Pile #M114)
    - Pile #'s M107, M108, M109 to be procured by PPM
    - Pile #'s M111, M112, M113, M114 previously procured by MOS in Skagway
  - MSP Dolphin N1 (Pile #M115 through Pile #M122)
    - Pile #'s M115, M116, M117, M120, M121 to be procured by PPM
    - Pile #'s M118, M119, M122 previously procured by MOS in Skagway
    - MSP Dolphin N1 now to be installed in Season 2 per instructions from KPFF and MOS. N1 was to be installed in Season 1 for the original bid submission.
  - All MSP work to be considered Season 2 work.
- **Pile supported structures specifically excluded from this pricing include:**
  - Pile #30 and #31 and its associated headframe at the cruise ship float have been excluded from the bid
  - Dolphin 8
  - Fuel Header, Bridge, Platform, and On-Shore Fuel Line Supports
  - Catwalk Support #3
  - RORO Trestle
  - Any pile supported structure not explicitly stated in the inclusions

Electrical

- Electrical has been excluded from both the base bid and the MSP as part of this bid.

Hydrographic Surveying

- Hydrographic surveying has been excluded from the bid.

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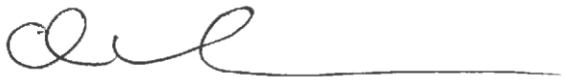
Temp Fuel Header

- PPM has included pricing for Haskell Corporation to install the temporary fuel header along the Broadway dock as shown in the plans.
- Haskell Corporation will remove and salvage the temporary fuel header along the Broadway Dock and cap it at or near the 90 degree turn at the base of the dock at the completion of the cruise ship pier and following reinstatement of the existing fuel line.
- Haskell will reinstate the existing fuel line at the completion of the Cruise Ship Pier prior to Milestone #1 on April 21, 2024.
- Please see attached Appendix G with Haskell's quote, concept drawings, and exclusions previously agreed upon between KPFF and Haskell.

Should you have any questions, please feel free to contact me direct at (206) 892-8472.

Thank you,



Chris Willis
Executive Vice President
Pacific Pile & Marine, LP

Appendix A: Pricing for Concept De-Scoping Plan – 07/05/2023

REQUEST FOR BIDS – BID FORM

(Contractor's name below)

Pacific Pile & Marine, LP **agrees to provide all labor, equipment, transportation, materials and mobilization and demobilization to and from the work site to complete the Project as described in the Request for Bids dated and in any bid addenda for the total lump sum of:**

$ 67,054,950.68
(Numeric Dollar Amount)

$ Sixty Seven Million Fifty Four Thousand Nine Hundred Fifty Dollars and Sixty-Eight Cents
(Written Dollar Amount)

Base Bid					
Item No	Description of Work	Qty.	Unit	Unit Price	Total
1	Mobilization, Demobilization & General Conditions	1	LS	13,499,643.02	13,499,643.02
2	Marine TESC	1	LS	307,215.10	307,215.10
3	Upland TESC	1	LS	100,084.29	100,084.29
4	Survey	1	LS	528,683.43	528,683.43
5	Cruise Dock Float Assembly and Installation	1	LS	296,986.58	296,986.58
6	Ore Loader Demolition	1	LS	1,837,736.82	1,837,736.82
7	Marine Demolition	1	LS	4,026,994.78	4,026,994.78
7A	Spin Fin Pile Cutoff	58	EA	7,222.53	418,906.74
~~8~~	~~Upland Demolition~~	~~1~~	~~LS~~		
~~9A~~	~~Contaminated Soils Excavation & Handling~~	~~2385~~	~~CY~~		
~~9B~~	~~Contaminated Soils Stabilization~~	~~2385~~	~~CY~~		
~~9C~~	~~Stabilized Soils Haul & Disposal~~	~~2385~~	~~CY~~		
~~10~~	~~Upland Excavation & Soils Management~~	~~1~~	~~LS~~		
~~11~~	~~Upland Concrete Paving~~	~~1~~	~~LS~~		
~~12~~	~~Upland Utilities~~	~~1~~	~~LS~~		
13	Temporary Fuel Piping	1	LS	2,043,205.51	2,043,205.51
~~14~~	~~Marine Utilities & Fuel Piping~~	~~1~~	~~LS~~		
~~15~~	~~Upland Appurtenances & Handrail~~	~~1~~	~~LS~~		
~~16~~	~~Upland Railroad Track Replacement~~	~~1~~	~~LS~~		
17	Cast in Place Concrete - Marine	1	LS	281,113.89	281,113.89
18	Precast Concrete	1	LS	589,125.77	589,125.77
19	Structural Steel	1	LS	8,378,488.62	8,378,488.62
20	Furnish & Deliver Piling	1	LS	110,146.50	110,146.50
21	Pile Driving & Splicing	1	LS	5,868,625.20	5,868,625.20
22	Pile PDA Testing	1	LS	168,050.33	168,050.33
23	Anode Procurement & Installation	1	LS	268,993.26	268,993.26

~~24~~	~~Electrical~~	~~1~~	~~LS~~		
25	Contractor Delivery of MOS Procured Items	1	LS	678,785.64	678,785.64
	Subtotal TOTAL (BASE BID)				$39,402,785.48
	Total Base Bid				**$39,402,785.48**

Force Account Items

Item No	Description of Work	Qty.	Unit	Unit Price	Total
26	Hazardous Soils Haul & Disposal	17	Ton	848.55	14,425.35
26A	Underwater Debris – Removal & Disposal	10	Ton	2,720.90	27,209.00
27	Pile Driving – Overdrive Allowance 24” Dia. Pile	50	LF	23.37	1,168.50
28	Pile Driving – Overdrive Allowance 36” Dia. Pile	240	LF	23.43	5,623.20
29	Pile Driving – Overdrive Allowance 42" Dia. Pile	110	LF	50.28	5,530.80
30	Pile Driving – Overdrive Allowance 48” Dia. Pile	60	LF	50.35	3,021.00
31	Pile Driving – Restrikes	50	EA	11,065.84	553,292.00
32	Pile Driving - Obstruction Removal/ Redrive	3	EA	72,498.51	217,495.53
33	Marine Mammal Delays (1 Hour Block)	75	EA	6,294.73	472,104.75
34	Weather Related Delays (1/2 Shift)	15	EA	29,268.44	439,026.60
35	Field Splice 48” and 42” Piles	1	EA	29,770.79	29,770.79
36	Field Splice 36” Piles	1	EA	16,014.01	16,014.01
37	Field Splice 24” Piles	1	EA	9,412.59	9,412.59
	Force Account - TOTAL				**$1,794,094.12**
	Base Bid + Force Account - TOTAL				**$41,196,879.60**

Marine Services Platform - Add Alt

Item No	Description of Work	Qty.	Unit	Unit Price	Total
35	MSP Mobilization, Demobilization & General Conditions	1	LS	5,097,516.97	5,097,516.97
36	MSP Marine TESC	1	LS	17,343.49	17,343.49
~~37~~	~~MSP Upland TESC~~	~~1~~	~~LS~~		
38	MSP **Marine** Demolition	1	LS	911,215.59	911,215.59
39	MSP Marine Surveys	1	LS	292,380.97	292,380.97
40	MSP Upland Excavation	159	CY	31.42	4,995.78
41	MSP Upland EX: Imported Backfill	57	CY	65.22	3,717.54
42	MSP Upland EX: Base Course, Grading D1	71	CY	92.50	6,567.50
~~43~~	~~MSP Upland Appurtenances~~	~~1~~	~~LS~~		
~~44~~	~~MSP Upland Railroad Track Replacement~~	~~1~~	~~LS~~		
45	MSP Structural Steel	1	LS	7,340,333.31	7,340,333.31
46	MSP Precast Concrete	1	LS	3,008,304.86	3,008,304.86
47	MSP Cast in Place Concrete	1	LS	839,331.02	839,331.02
48	MSP Pile Procurement & Delivery	1	LS	5,000,498.39	5,000,498.39
49	MSP Pile Driving & Splicing	1	LS	2,353,373.79	2,353,373.79

50	MSP Pile PDA Testing	1	LS	71,704.77	71,704.77
51	MSP Anode Procurement & Installation	1	LS	346,353.44	346,353.44
~~52~~	~~MSP Electrical~~	~~1~~	~~LS~~		
~~53~~	~~MSP Marine Utilities & Stormwater~~	~~1~~	~~LS~~		
54	MSP Fendering	1	LS	154,163.90	154,163.90
	ADD ALT MSP – TOTAL				**$ 25,447,801.32**

MSP Force Account Items - Add Alt

Item No	Description of Work	Qty.	Unit	Unit Price	Total
56	MSP Pile Driving - Overdrive Allowance 24" Dia.	~~3502~~ 50	LF	23.37	1,168.50
57	MSP Pile Driving - Overdrive Allowance 36" Dia.	~~244~~ 50	LF	23.37	1,168.50
58	MSP Pile Driving – Restrikes	10	EA	7,027.83	70,278.30
59	MSP Pile Driving - Obstruction Removal/ Redrive	1	EA	33,733.56	33,733.56
60	MSP Marine Mammal Delays (1 Hour Block)	50	EA	3,268.90	163,445.00
61	MSP Weather Related Delays (1/2 Shift)	15	EA	9,365.06	140,475.90
	MSP FORCE ACCOUNT - TOTAL				**$410,269.76**
	ADD ALT MSP + MSP Force Account – TOTAL				**$25,858,071.08**

Base Bid + ADD ALT MSP $ **64,850,586.80**

Base Force Account + MSP Force Account $ **2,204,363.88**

TOTAL (Basis of Award) $ **67,054,950.68**

The Basis of Award will be based on the lowest responsive bidder who presents the lowest cost to complete the scopes of work contained in the Base Bid, the Marine Services Platform (Additive Alternate), and the Force Accounts for both the Base Bid and the Add Alt.

Force Account quantities are only an assumed approximate quantity, actual quantities could vary to be zero or greater than shown.

**As of the bid date soil sample testing results have not been completed. An addendum will be issued with updated quantities for the estimated quantity of contaminated soil onsite.*

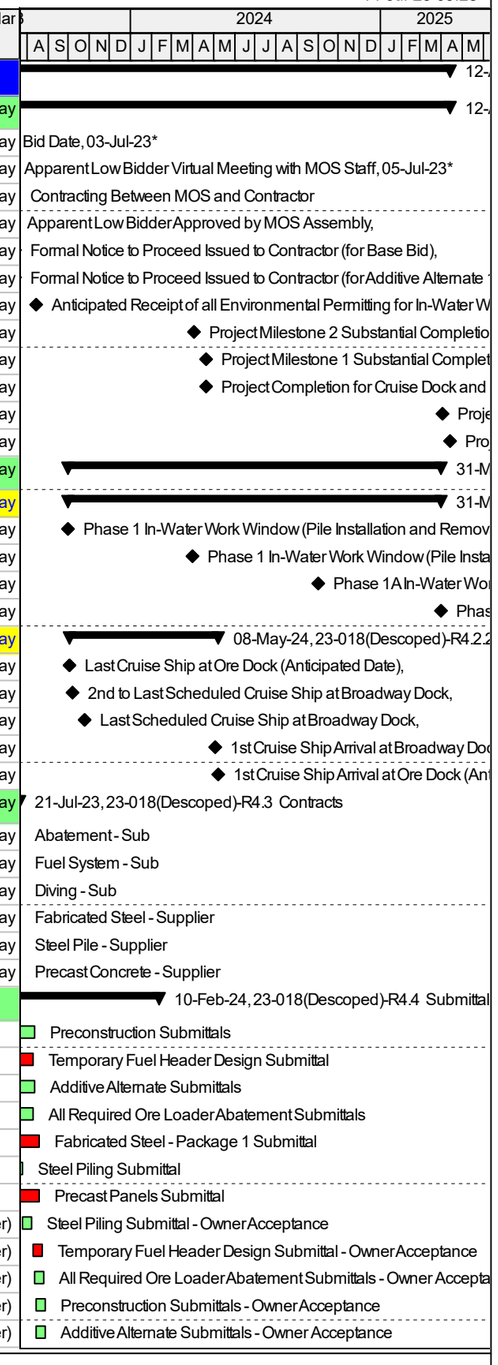
ACKNOWLEDGEMENT OF ADDENDUMS

The bidder acknowledges receipt of addendums to the solicitation (give number and date of each)

Addendum #	Date	Addendum #	Date
1	5/15/23	9	6/9/23
2	5/18/23	10	6/12/23
3	5/26/23	11	6/13/23
4	6/2/23	12	6/14/23
5	6/5/23	13	6/15/23
6	6/6/23	14	6/16/23
7	6/7/23	15	6/21/23
8	6/8/23	16	6/21/23
		17	6/29/23

Appendix B: Updated P6 Schedule Based on De-Scoping Plan

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Predecessors	Successors	Calendar
23-018(Descoped)-R4	**Skagway - Ore Peninsula Redevelopment**	650	03-Jul-23	12-Apr-25	32			
23-018(Descoped)-R4.1	**Milestones**	650	03-Jul-23	12-Apr-25	3			7day
M1000	Bid Date	0	03-Jul-23*		0		M1010	7day
M1010	Apparent Low Bidder Virtual Meeting with MOS Staff	0	05-Jul-23*		0	M1000	M1020, M1030	7day
M1030	Contracting Between MOS and Contractor	10	05-Jul-23*	14-Jul-23	0	M1010, M1020	M1040, M1050	7day
M1020	Apparent Low Bidder Approved by MOS Assembly	0		10-Jul-23*	0	M1010	M1030	7day
M1040	Formal Notice to Proceed Issued to Contractor (for Base Bid)	0		14-Jul-23*	0	M1030	C1000, C1010, C104(	7day
M1050	Formal Notice to Proceed Issued to Contractor (for Additive Alternate 1)	0		14-Jul-23*	0	M1030	S3000	7day
M1060	Anticipated Receipt of all Environmental Permitting for In-Water Work	0		15-Aug-23*	0	M1040	WR1000, WR1020	7day
M2020	Project Milestone 2 Substantial Completion	0		03-Apr-24*	212	CP2040, ASMSP1080	M2040	7day
M2000	Project Milestone 1 Substantial Completion	0		19-Apr-24*	2	CDS4020, DOL3050, D(	M2010	7day
M2010	Project Completion for Cruise Dock and Cruise Ship Dolphins and Fuel Header	0		19-Apr-24*	2	M2000	M2040	7day
M2030	Project Milestone 3 Substantial Completion	0		02-Apr-25*	13	MSP5010, MSPS1050,	M2040	7day
M2040	Project Completion for Marine Services Platform	0		12-Apr-25*	3	M2030, M2010, M2020,		7day
23-018(Descoped)-R4.2	**Work Restrictions**	548	01-Oct-23	31-Mar-25	0			7day
23-018(Descoped)-R4.2.1	**In-Water**	548	01-Oct-23	31-Mar-25	0			7day
WR1000	Phase 1 In-Water Work Window (Pile Installation and Removal) - Start	0	01-Oct-23*		0	M1060	TESC1000	7day
WR1010	Phase 1 In-Water Work Window (Pile Installation and Removal) - End	0		31-Mar-24*	0	MD3030, MD10010, ME		7day
WR1020	Phase 1A In-Water Work Window (Pile Installation and Removal) - Start	0	01-Oct-24*		0	M1060	MSP1030, MD9040, M	7day
WR1030	Phase 1A In-Water Work Window (Pile Installation and Removal) - End	0		31-Mar-25*	0	MSP1020, MSPFS100(		7day
23-018(Descoped)-R4.2.2	**Cruise Ships**	217	03-Oct-23	08-May-24	0			7day
WR2000	Last Cruise Ship at Ore Dock (Anticipated Date)	0		03-Oct-23*	0	M1040	TESC1000, CDTP100	7day
WR2010	2nd to Last Scheduled Cruise Ship at Broadway Dock	0		06-Oct-23*	0	M1040	WR2020	7day
WR2020	Last Scheduled Cruise Ship at Broadway Dock	0		24-Oct-23*	0	M1040, WR2010	CDFL1000	7day
WR2030	1st Cruise Ship Arrival at Broadway Dock (Anticipated Date)	0	04-May-24		0	M1040	M2040	7day
WR2040	1st Cruise Ship Arrival at Ore Dock (Anticipated Date)	0	08-May-24		0	M1040	M2040	7day
23-018(Descoped)-R4.3	**Contracts**	7	15-Jul-23	21-Jul-23	146			7day
C1000	Abatement - Sub	7	15-Jul-23	21-Jul-23	41	M1040	S2000	7day
C1010	Fuel System - Sub	7	15-Jul-23	21-Jul-23	19	M1040	S1010, MS1030	7day
C1040	Diving - Sub	7	15-Jul-23	21-Jul-23	146	M1040	MS1060	7day
C2000	Fabricated Steel - Supplier	7	15-Jul-23	21-Jul-23	1	M1040	S1020	7day
C2010	Steel Pile - Supplier	7	15-Jul-23	21-Jul-23	144	M1040	S1070	7day
C2020	Precast Concrete - Supplier	7	15-Jul-23	21-Jul-23	30	M1040	S1080	7day
23-018(Descoped)-R4.4	**Submittals**	211	15-Jul-23	10-Feb-24	80			
S1000	Preconstruction Submittals	30	15-Jul-23	13-Aug-23	71	M1040	S1001	7-day (Skagway
S1010	Temporary Fuel Header Design Submittal	27	15-Jul-23	10-Aug-23	19	C1010	S1011	7-day (Skagway
S3000	Additive Alternate Submittals	30	15-Jul-23	13-Aug-23	95	M1050	S3001	7-day (Skagway
S2000	All Required Ore Loader Abatement Submittals	21	22-Jul-23	11-Aug-23	41	C1000	S2001	7-day (Skagway
S1020	Fabricated Steel - Package 1 Submittal	30	22-Jul-23	20-Aug-23	1	C2000	S1021	7-day (Skagway
S1070	Steel Piling Submittal	5	22-Jul-23	26-Jul-23	131	C2010	S1071	7-day (Skagway
S1080	Precast Panels Submittal	30	22-Jul-23	20-Aug-23	30	C2020	S1081	7-day (Skagway
S1071	Steel Piling Submittal - Owner Acceptance	14	27-Jul-23	09-Aug-23	138	S1070	P1040	7-day (Skagway Owner)
S1011	Temporary Fuel Header Design Submittal - Owner Acceptance	14	11-Aug-23	24-Aug-23	19	S1010	MS1030, P1060	7-day (Skagway Owner)
S2001	All Required Ore Loader Abatement Submittals - Owner Acceptance	14	12-Aug-23	25-Aug-23	41	S2000	MS1010, MEQ1010	7-day (Skagway Owner)
S1001	Preconstruction Submittals - Owner Acceptance	14	14-Aug-23	27-Aug-23	71	S1000	OT1010, MEQ1010, L	7-day (Skagway Owner)
S3001	Additive Alternate Submittals - Owner Acceptance	14	14-Aug-23	27-Aug-23	99	S3000	P1031	7-day (Skagway Owner)



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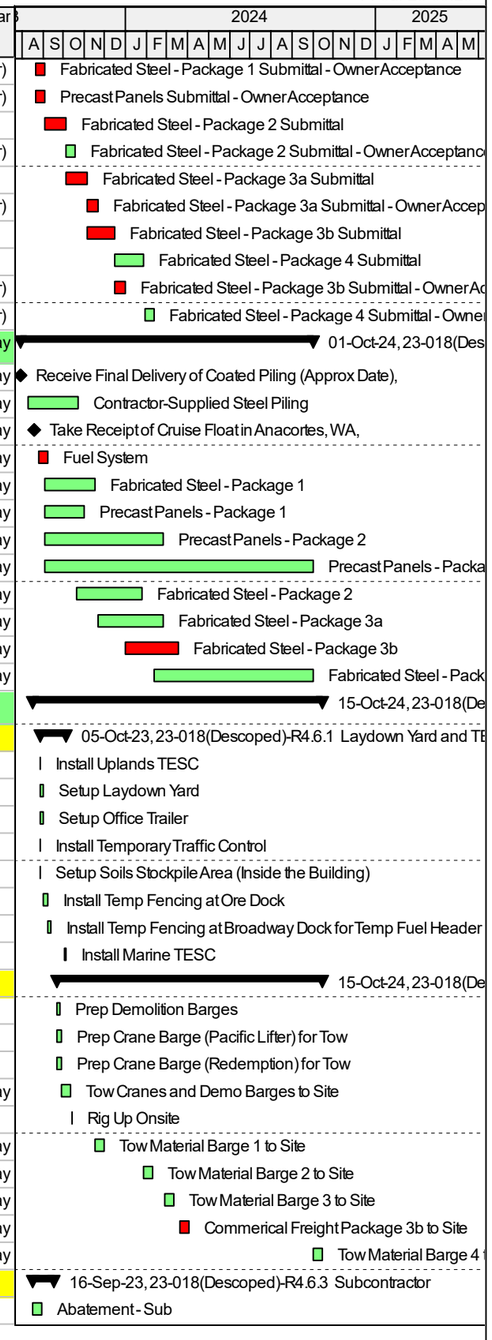
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Predecessors	Successors	Calendar
S1021	Fabricated Steel - Package 1 Submittal - Owner Acceptance	14	21-Aug-23	03-Sep-23	1	S1020	S1030, P1030	7-day (Skagway Owner)
S1081	Precast Panels Submittal - Owner Acceptance	14	21-Aug-23	03-Sep-23	30	S1080	P1050, P1051, P1052	7-day (Skagway Owner)
S1030	Fabricated Steel - Package 2 Submittal	30	05-Sep-23	04-Oct-23	1	S1021	S1031, S1040	7-day (Skagway
S1031	Fabricated Steel - Package 2 Submittal - Owner Acceptance	14	05-Oct-23	19-Oct-23	48	S1030	P1031	7-day (Skagway Owner)
S1040	Fabricated Steel - Package 3a Submittal	30	05-Oct-23	04-Nov-23	1	S1030	S1041, S1050	7-day (Skagway
S1041	Fabricated Steel - Package 3a Submittal - Owner Acceptance	14	05-Nov-23	20-Nov-23	29	S1040	P1032	7-day (Skagway Owner)
S1050	Fabricated Steel - Package 3b Submittal	30	05-Nov-23	15-Dec-23	1	S1040	S1051, S1060	7-day (Skagway
S1060	Fabricated Steel - Package 4 Submittal	30	16-Dec-23	27-Jan-24	71	S1050	S1061	7-day (Skagway
S1051	Fabricated Steel - Package 3b Submittal - Owner Acceptance	14	16-Dec-23	30-Dec-23	1	S1050	P1033	7-day (Skagway Owner)
S1061	Fabricated Steel - Package 4 Submittal - Owner Acceptance	14	28-Jan-24	10-Feb-24	78	S1060	P1034	7-day (Skagway Owner)
23-018(Descoped)-R4.5 Procurement		428	31-Jul-23	01-Oct-24	80			7day
P1010	Receive Final Delivery of Coated Piling (Approx Date)	0		31-Jul-23*	0	M1040	P1040	7day
P1040	Contractor-Supplied Steel Piling	75	10-Aug-23	23-Oct-23	146	S1071, P1010	MEQ1022	7day
P1000	Take Receipt of Cruise Float in Anacortes, WA	0		18-Aug-23*	0	M1040	F1000	7day
P1060	Fuel System	14	25-Aug-23	07-Sep-23	20	S1011	MS1030	7day
P1030	Fabricated Steel - Package 1	73	04-Sep-23	15-Nov-23	52	S1021	MEQ1021	7day
P1050	Precast Panels - Package 1	58	04-Sep-23	31-Oct-23	138	S1081	MEQ1022	7day
P1051	Precast Panels - Package 2	175	04-Sep-23	25-Feb-24	31	S1081	MEQ1023	7day
P1052	Precast Panels - Package 3	394	04-Sep-23	01-Oct-24	80	S1081	MEQ1024	7day
P1031	Fabricated Steel - Package 2	98	20-Oct-23	25-Jan-24	52	S1031, S3001	MEQ1022	7day
P1032	Fabricated Steel - Package 3a	97	21-Nov-23	25-Feb-24	31	S1041	MEQ1023	7day
P1033	Fabricated Steel - Package 3b	79	31-Dec-23	18-Mar-24	2	S1051	MEQ1040	7day
P1034	Fabricated Steel - Package 4	234	11-Feb-24	01-Oct-24	80	S1061	MEQ1024	7day
23-018(Descoped)-R4.6 Mobilization		426	17-Aug-23	15-Oct-24	211			
23-018(Descoped)-R4.6.1 Laydown Yard and TESC		38	28-Aug-23	05-Oct-23	514			7-day (Skagway
TESC1010	Install Uplands TESC	1	28-Aug-23	28-Aug-23	114	OT1010	TESC1000, CDTP100	7-day (Skagway
LY1000	Setup Laydown Yard	5	28-Aug-23	01-Sep-23	76	S1001	LY1010, FN1000	7-day (Skagway
OT1010	Setup Office Trailer	5	28-Aug-23	01-Sep-23	91	S1001	TESC1010, MS1000,	7-day (Skagway
TRFC1000	Install Temporary Traffic Control	1	28-Aug-23	28-Aug-23	550	OT1010	LY1010	7-day (Skagway
LY1010	Setup Soils Stockpile Area (Inside the Building)	1	29-Aug-23	29-Aug-23	550	LY1000, TESC1010, TRI		7-day (Skagway
FN1000	Install Temp Fencing at Ore Dock	5	02-Sep-23	07-Sep-23	76	LY1000	FN1010	7-day (Skagway
FN1010	Install Temp Fencing at Broadway Dock for Temp Fuel Header	5	08-Sep-23	12-Sep-23	76	FN1000	ITFL1010	7-day (Skagway
TESC1000	Install Marine TESC	2	04-Oct-23	05-Oct-23	79	TESC1010, WR2000, W	MD5000, MD1100	7-day (Skagway
23-018(Descoped)-R4.6.2 Floating and Land-Based EQ		390	22-Sep-23	15-Oct-24	80			
MEQ1000	Prep Demolition Barges	5	22-Sep-23	26-Sep-23	79	MEQ1010	MEQ1021	7-day (Skagway
MEQ1010	Prep Crane Barge (Pacific Lifter) for Tow	7	22-Sep-23	28-Sep-23	46	S1001, S2001	MEQ1020, MEQ1000	7-day (Skagway
MEQ1001	Prep Crane Barge (Redemption) for Tow	7	22-Sep-23	28-Sep-23	46	MEQ1010	MEQ1020	7-day (Skagway
MEQ1020	Tow Cranes and Demo Barges to Site	14	29-Sep-23	12-Oct-23	51	MEQ1010, MEQ1001	MEQ1030	7day
MEQ1030	Rig Up Onsite	1	13-Oct-23	13-Oct-23	41	MEQ1020	OLD1010	7-day (Skagway
MEQ1021	Tow Material Barge 1 to Site	14	16-Nov-23	29-Nov-23	52	P1030, MEQ1000	CDS1010, CW1046, D	7day
MEQ1022	Tow Material Barge 2 to Site	14	26-Jan-24	08-Feb-24	52	P1031, P1050, P1040	CW1066, MSPN1040	7day
MEQ1023	Tow Material Barge 3 to Site	14	26-Feb-24	10-Mar-24	31	P1032, P1051	CDR1010, ASMSP10	7day
MEQ1040	Commerical Freight Package 3b to Site	14	19-Mar-24	01-Apr-24	2	P1033	DOL4040, DOL5040,	7day
MEQ1024	Tow Material Barge 4 to Site	14	02-Oct-24	15-Oct-24	80	P1034, P1052	MSP2010, MSPS104	7day
23-018(Descoped)-R4.6.3 Subcontractor		30	17-Aug-23	16-Sep-23	163			7-day (Skagway
MS1010	Abatement - Sub	14	17-Aug-23	30-Aug-23	41	S2001	OLD1000	7-day (Skagway



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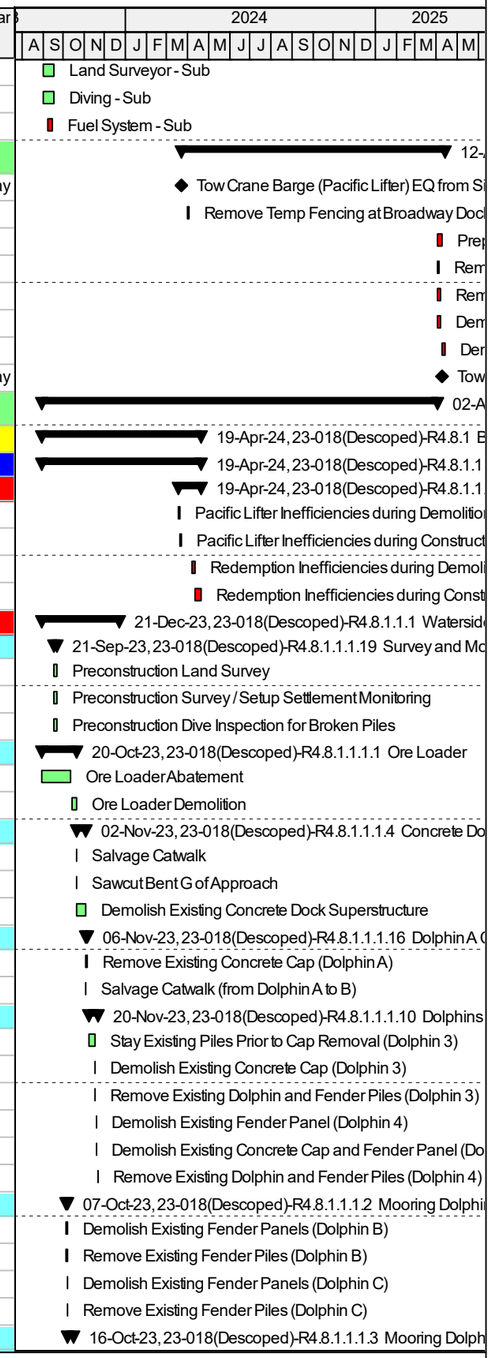
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Predecessors	Successors	Calendar
MS1000	Land Surveyor - Sub	14	02-Sep-23	16-Sep-23	163	OT1010	LS1000, SM1000	7-day (Skagway
MS1060	Diving - Sub	14	02-Sep-23	16-Sep-23	91	C1040, OT1010	DS1000	7-day (Skagway
MS1030	Fuel System - Sub	8	08-Sep-23	15-Sep-23	20	C1010, S1011, P1060	ITFL1000	7-day (Skagway
23-018(Descoped)-R4.7 Demobilization		386	22-Mar-24	12-Apr-25	3			
DEQ1030	Tow Crane Barge (Pacific Lifter) EQ from Site	0		22-Mar-24	30	CDR1010, Permit1020	M2000	7day
FN2000	Remove Temp Fencing at Broadway Dock for Temp Fuel Header	1	01-Apr-24	01-Apr-24	20	RTFL1010	M2000	7-day (Skagway
DEQ1000	Prep Crane Barges for Tow	7	03-Apr-25	09-Apr-25	6	MSPS1050, MSPN105(	DEQ1010	7-day (Skagway
TRFC2000	Remove Temporary Traffic Control	1	03-Apr-25	03-Apr-25	3	MSPN1050	M2040, TESC2000	7-day (Skagway
TESC2000	Remove Uplands TESC	5	03-Apr-25	07-Apr-25	3	TRFC2000	M2040, DEQ1020	7-day (Skagway
LY2000	Demob Laydown Yard	5	03-Apr-25	07-Apr-25	8	MSPS1050, MSPN105(	M2040	7-day (Skagway
DEQ1020	Demob Landbased EQ from Site	5	08-Apr-25	12-Apr-25	3	TESC2000	M2040	7-day (Skagway
DEQ1010	Tow Crane Barge (Redemption) EQ from Site	0		09-Apr-25	6	DEQ1000	M2040	7day
23-018(Descoped)-R4.8 Construction		581	31-Aug-23	02-Apr-25	13			
23-018(Descoped)-R4.8.1 Base Bid		233	31-Aug-23	19-Apr-24	196			
23-018(Descoped)-R4.8.1.1 Project Milestone 1 Scope of Work		233	31-Aug-23	19-Apr-24	2			
23-018(Descoped)-R4.8.1.1.16 Permit Inefficiencies		31	18-Mar-24	19-Apr-24	2			7-day (Skagway
Permit1000	Pacific Lifter Inefficiencies during Demolition (Only Allowed 1 Hammer at a Time)	3	18-Mar-24	20-Mar-24	28	CDR1010	Permit1020	7-day (Skagway
Permit1020	Pacific Lifter Inefficiencies during Construction (Only Allowed 1 Hammer at a Time)	2	21-Mar-24	22-Mar-24	28	Permit1000	DEQ1030	7-day (Skagway
Permit1010	Redemption Inefficiencies during Demolition (Only Allowed 1 Hammer at a Time)	5	07-Apr-24	11-Apr-24	2	DOL7070	Permit1030	7-day (Skagway
Permit1030	Redemption Inefficiencies during Construction (Only Allowed 1 Hammer at a Time)	8	12-Apr-24	19-Apr-24	2	Permit1010	M2000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1 Waterside Demolition		100	31-Aug-23	21-Dec-23	84			7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.19 Survey and Monitoring		5	17-Sep-23	21-Sep-23	163			7-day (Skagway
LS1000	Preconstruction Land Survey	5	17-Sep-23	21-Sep-23	163	MS1000	CDAS1000	7-day (Skagway
SM1000	Preconstruction Survey / Setup Settlement Monitoring	5	17-Sep-23	21-Sep-23	163	MS1000	CDAS1000	7-day (Skagway
DS1000	Preconstruction Dive Inspection for Broken Piles	5	17-Sep-23	21-Sep-23	91	MS1060	TESC1000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.1 Ore Loader		49	31-Aug-23	20-Oct-23	41			7-day (Skagway
OLD1000	Ore Loader Abatement	42	31-Aug-23	12-Oct-23	41	MS1010	OLD1010	7-day (Skagway
OLD1010	Ore Loader Demolition	6	14-Oct-23	20-Oct-23	41	OLD1000, WR2000, ME	MD3000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.4 Concrete Dock and Catwalk		14	20-Oct-23	02-Nov-23	41			7-day (Skagway
MD3010	Salvage Catwalk	1	20-Oct-23	20-Oct-23	41	MD3000	MD3020	7-day (Skagway
MD3000	Sawcut Bent G of Approach	1	20-Oct-23	20-Oct-23	41	OLD1010	MD3010	7-day (Skagway
MD3020	Demolish Existing Concrete Dock Superstructure	13	21-Oct-23	02-Nov-23	41	MD3010	MD3030, MD1000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.16 Dolphin A Cap		4	03-Nov-23	06-Nov-23	41			7-day (Skagway
MD1010	Remove Existing Concrete Cap (Dolphin A)	4	03-Nov-23	06-Nov-23	41	MD1000	MD6000	7-day (Skagway
MD1000	Salvage Catwalk (from Dolphin A to B)	1	03-Nov-23	03-Nov-23	41	MD3020	MD1010	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.10 Dolphins 3,4		10	08-Nov-23	20-Nov-23	41			7-day (Skagway
MD6000	Stay Existing Piles Prior to Cap Removal (Dolphin 3)	5	08-Nov-23	15-Nov-23	41	MD1010	MD6010	7-day (Skagway
MD6010	Demolish Existing Concrete Cap (Dolphin 3)	1	16-Nov-23	16-Nov-23	41	MD6000	MD6020	7-day (Skagway
MD6020	Remove Existing Dolphin and Fender Piles (Dolphin 3)	1	17-Nov-23	17-Nov-23	41	MD6010	MD9000	7-day (Skagway
MD9000	Demolish Existing Fender Panel (Dolphin 4)	1	18-Nov-23	18-Nov-23	41	MD6020	MD9010	7-day (Skagway
MD9010	Demolish Existing Concrete Cap and Fender Panel (Dolphin 4)	1	19-Nov-23	19-Nov-23	41	MD9000	MD9020	7-day (Skagway
MD9020	Remove Existing Dolphin and Fender Piles (Dolphin 4)	1	20-Nov-23	20-Nov-23	41	MD9010	WR1010, DOL1000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.2 Mooring Dolphins B,C		2	06-Oct-23	07-Oct-23	91			7-day (Skagway
MD1100	Demolish Existing Fender Panels (Dolphin B)	1	06-Oct-23	06-Oct-23	91	TESC1000	MD1110	7-day (Skagway
MD1110	Remove Existing Fender Piles (Dolphin B)	1	06-Oct-23	06-Oct-23	91	MD1100	MD1120	7-day (Skagway
MD1120	Demolish Existing Fender Panels (Dolphin C)	1	07-Oct-23	07-Oct-23	91	MD1110	MD1130	7-day (Skagway
MD1130	Remove Existing Fender Piles (Dolphin C)	1	07-Oct-23	07-Oct-23	91	MD1120	MD2000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.3 Mooring Dolphins D,E,F and Catwalks		9	08-Oct-23	16-Oct-23	91			7-day (Skagway



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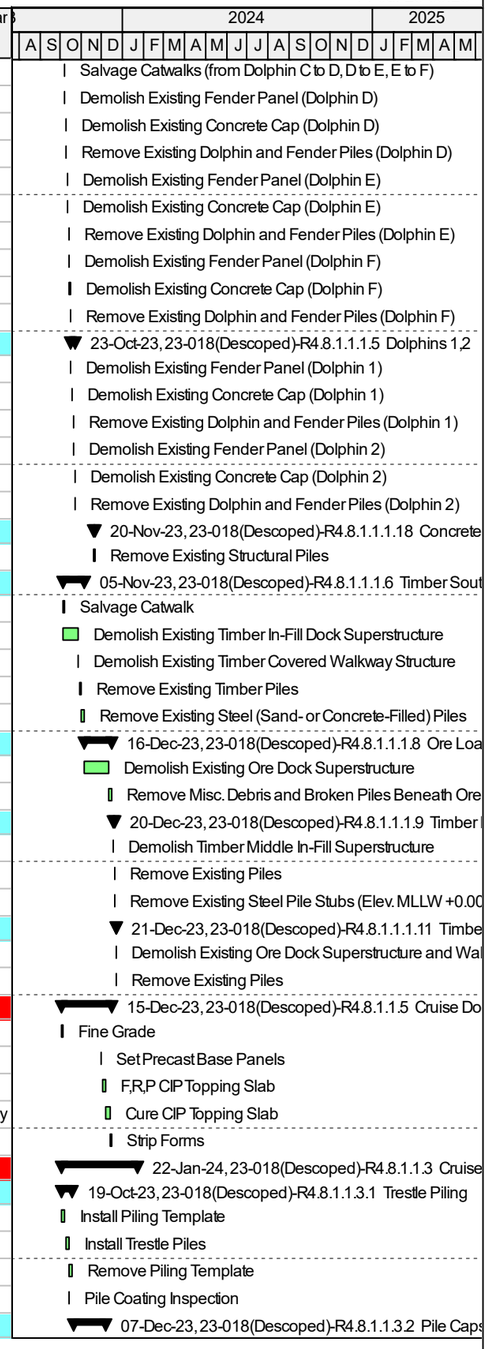
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Predecessors	Successors	Calendar
MD2000	Salvage Catwalks (from Dolphin C to D, D to E, E to F)	1	08-Oct-23	08-Oct-23	91	MD1130	MD2100	7-day (Skagway
MD2100	Demolish Existing Fender Panel (Dolphin D)	1	08-Oct-23	08-Oct-23	91	MD2000	MD2110	7-day (Skagway
MD2110	Demolish Existing Concrete Cap (Dolphin D)	1	09-Oct-23	09-Oct-23	91	MD2100	MD2120	7-day (Skagway
MD2120	Remove Existing Dolphin and Fender Piles (Dolphin D)	1	10-Oct-23	10-Oct-23	91	MD2110	MD2200	7-day (Skagway
MD2200	Demolish Existing Fender Panel (Dolphin E)	1	11-Oct-23	11-Oct-23	91	MD2120	MD2210	7-day (Skagway
MD2210	Demolish Existing Concrete Cap (Dolphin E)	1	12-Oct-23	12-Oct-23	91	MD2200	MD2220	7-day (Skagway
MD2220	Remove Existing Dolphin and Fender Piles (Dolphin E)	1	13-Oct-23	13-Oct-23	91	MD2210	MD2300	7-day (Skagway
MD2300	Demolish Existing Fender Panel (Dolphin F)	1	14-Oct-23	14-Oct-23	91	MD2220	MD2310	7-day (Skagway
MD2310	Demolish Existing Concrete Cap (Dolphin F)	1	15-Oct-23	15-Oct-23	91	MD2300	MD2320	7-day (Skagway
MD2320	Remove Existing Dolphin and Fender Piles (Dolphin F)	1	16-Oct-23	16-Oct-23	91	MD2310	MD4000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.5 Dolphins 1,2		6	17-Oct-23	23-Oct-23	91			7-day (Skagway
MD4000	Demolish Existing Fender Panel (Dolphin 1)	1	17-Oct-23	17-Oct-23	91	MD2320	MD4010	7-day (Skagway
MD4010	Demolish Existing Concrete Cap (Dolphin 1)	1	19-Oct-23	19-Oct-23	91	MD4000	MD4020	7-day (Skagway
MD4020	Remove Existing Dolphin and Fender Piles (Dolphin 1)	1	20-Oct-23	20-Oct-23	91	MD4010	MD4100	7-day (Skagway
MD4100	Demolish Existing Fender Panel (Dolphin 2)	1	21-Oct-23	21-Oct-23	91	MD4020	MD4110	7-day (Skagway
MD4110	Demolish Existing Concrete Cap (Dolphin 2)	1	22-Oct-23	22-Oct-23	91	MD4100	MD4120	7-day (Skagway
MD4120	Remove Existing Dolphin and Fender Piles (Dolphin 2)	1	23-Oct-23	23-Oct-23	91	MD4110	DOL4000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.18 Concrete Dock Piling		3	18-Nov-23	20-Nov-23	91			7-day (Skagway
MD3030	Remove Existing Structural Piles	3	18-Nov-23	20-Nov-23	91	MD3020, DOL6030	WR1010, DOL7000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.6 Timber South In-Fill, Timber Covered Walkway, and Catwalk		30	06-Oct-23	05-Nov-23	79			7-day (Skagway
MD5000	Salvage Catwalk	1	06-Oct-23	06-Oct-23	79	TESC1000	MD5010	7-day (Skagway
MD5010	Demolish Existing Timber In-Fill Dock Superstructure	20	06-Oct-23	26-Oct-23	79	MD5000	MD5020	7-day (Skagway
MD5020	Demolish Existing Timber Covered Walkway Structure	2	27-Oct-23	28-Oct-23	79	MD5010	MD5030	7-day (Skagway
MD5030	Remove Existing Timber Piles	3	29-Oct-23	31-Oct-23	79	MD5020	MD5040	7-day (Skagway
MD5040	Remove Existing Steel (Sand- or Concrete-Filled) Piles	5	01-Nov-23	05-Nov-23	79	MD5030	MD7000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.8 Ore Loader Dock - South Section		30	06-Nov-23	16-Dec-23	79			7-day (Skagway
MD7000	Demolish Existing Ore Dock Superstructure	25	06-Nov-23	10-Dec-23	79	MD5040	MD7040	7-day (Skagway
MD7040	Remove Misc. Debris and Broken Piles Beneath Ore Dock Superstructure	5	11-Dec-23	16-Dec-23	79	MD7000	MD8000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.9 Timber Middle In-Fill (1st Season)		4	17-Dec-23	20-Dec-23	79			7-day (Skagway
MD8000	Demolish Timber Middle In-Fill Superstructure	2	17-Dec-23	18-Dec-23	79	MD7040	MD8010	7-day (Skagway
MD8010	Remove Existing Piles	1	19-Dec-23	19-Dec-23	79	MD8000	MD8020	7-day (Skagway
MD8020	Remove Existing Steel Pile Stubs (Elev. MLLW +0.00')	1	20-Dec-23	20-Dec-23	79	MD8010	MD10000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.1.11 Timber Ore Loader Dock - North Section (1st Season)		1	21-Dec-23	21-Dec-23	79			7-day (Skagway
MD10000	Demolish Existing Ore Dock Superstructure and Walkway	1	21-Dec-23	21-Dec-23	79	MD8020	MD10010	7-day (Skagway
MD10010	Remove Existing Piles	1	21-Dec-23	21-Dec-23	79	MD10000	WR1010	7-day (Skagway
23-018(Descoped)-R4.8.1.1.5 Cruise Dock Approach Slab		73	04-Oct-23	15-Dec-23	128			
CDAS1000	Fine Grade	1	04-Oct-23	04-Oct-23	151	LS1000, SM1000, WR2	CDAS1010	7-day (Skagway
CDAS1010	Set Precast Base Panels	1	30-Nov-23	30-Nov-23	105	CDAS1000, MEQ1021	CDAS1020	7-day (Skagway
CDAS1020	F,R,P CIP Topping Slab	5	01-Dec-23	06-Dec-23	105	CDAS1010	CDAS1030	7-day (Skagway
CDAS1030	Cure CIP Topping Slab	7	07-Dec-23	13-Dec-23	128	CDAS1020	CDAS1040	7day
CDAS1040	Strip Forms	2	14-Dec-23	15-Dec-23	106	CDAS1030	M2000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.3 Cruise Dock Access Trestle		111	04-Oct-23	22-Jan-24	90			
23-018(Descoped)-R4.8.1.1.3.1 Trestle Piling		15	04-Oct-23	19-Oct-23	105			7-day (Skagway
CDTP1000	Install Piling Template	5	04-Oct-23	08-Oct-23	100	TESC1010, WR2000	CDTP1010	7-day (Skagway
CDTP1010	Install Trestle Piles	5	09-Oct-23	13-Oct-23	100	CDTP1000	CDS1000, CDTP1020	7-day (Skagway
CDTP1020	Remove Piling Template	5	14-Oct-23	19-Oct-23	100	CDTP1010	CDS1000, CP2010	7-day (Skagway
CDTP1011	Pile Coating Inspection	1	14-Oct-23	14-Oct-23	109	CDTP1010	CDS1001	7-day (Skagway
23-018(Descoped)-R4.8.1.1.3.2 Pile Caps - Stage 1		39	20-Oct-23	07-Dec-23	73			7-day (Skagway



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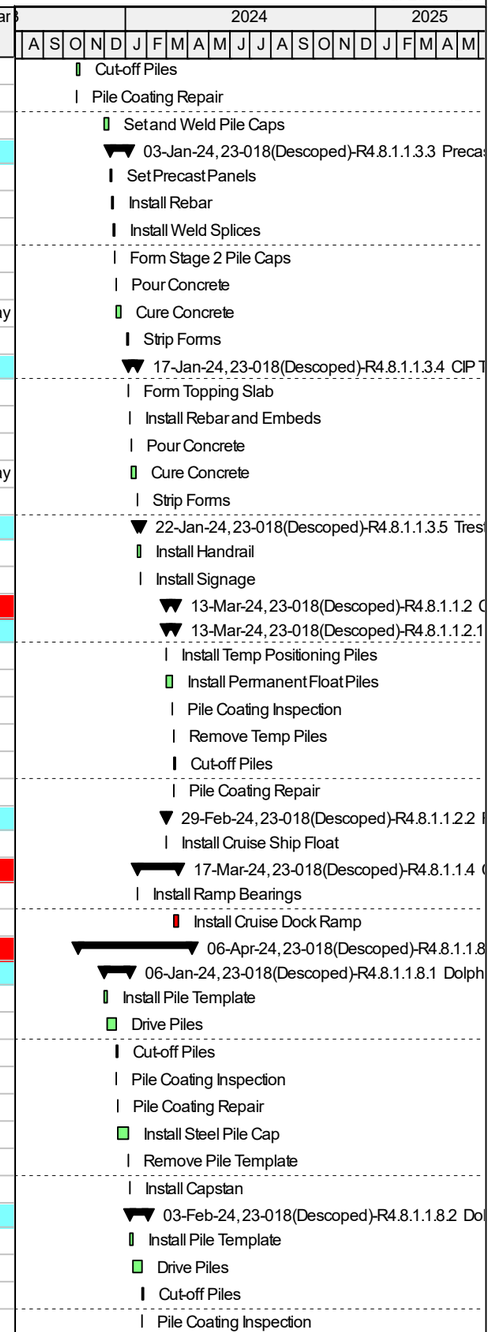
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Predecessors	Successors	Calendar
CDS1000	Cut-off Piles	5	20-Oct-23	24-Oct-23	100	CDTP1020, CDTP1010	CDS1010, CDS1001	7-day (Skagway
CDS1001	Pile Coating Repair	1	20-Oct-23	20-Oct-23	105	CDS1000, CDTP1011	CDS1010	7-day (Skagway
CDS1010	Set and Weld Pile Caps	7	30-Nov-23	07-Dec-23	73	CDS1000, CDS1001, MI	CDS2000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.3.3 Precast Deck Panels and Stage 2 CIP Caps - Stage 2		27	08-Dec-23	03-Jan-24	84			
CDS2000	Set Precast Panels	3	08-Dec-23	10-Dec-23	73	CDS1010, MEQ1021	CDS2010	7-day (Skagway
CDS2010	Install Rebar	2	11-Dec-23	13-Dec-23	73	CDS2000	CDS2020	7-day (Skagway
CDS2020	Install Weld Splices	1	14-Dec-23	14-Dec-23	73	CDS2010	CDS2030	7-day (Skagway
CDS2030	Form Stage 2 Pile Caps	2	15-Dec-23	16-Dec-23	73	CDS2020	CDS2040	7-day (Skagway
CDS2040	Pour Concrete	1	17-Dec-23	17-Dec-23	73	CDS2030	CDS2050	7-day (Skagway
CDS2050	Cure Concrete	7	18-Dec-23	24-Dec-23	93	CDS2040	CDS2060	7day
CDS2060	Strip Forms	1	03-Jan-24	03-Jan-24	73	CDS2050	CDS3000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.3.4 CIP Topping Slab - Stage 3		14	04-Jan-24	17-Jan-24	83			
CDS3000	Form Topping Slab	2	04-Jan-24	05-Jan-24	73	CDS2060	CDS3010	7-day (Skagway
CDS3010	Install Rebar and Embeds	2	06-Jan-24	07-Jan-24	73	CDS3000	CDS3020	7-day (Skagway
CDS3020	Pour Concrete	1	08-Jan-24	08-Jan-24	73	CDS3010	CDS3030	7-day (Skagway
CDS3030	Cure Concrete	7	09-Jan-24	15-Jan-24	84	CDS3020	CDS3040	7day
CDS3040	Strip Forms	1	17-Jan-24	17-Jan-24	74	CDS3030	CDR1000, CDS4010	7-day (Skagway
23-018(Descoped)-R4.8.1.1.3.5 Trestle Handrail and Signage		5	18-Jan-24	22-Jan-24	81			7-day (Skagway
CDS4010	Install Handrail	4	18-Jan-24	21-Jan-24	81	CDS3040	CDS4020	7-day (Skagway
CDS4020	Install Signage	1	22-Jan-24	22-Jan-24	81	CDS4010	M2000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.2 Cruise Dock Float		13	28-Feb-24	13-Mar-24	37			7-day (Skagway
23-018(Descoped)-R4.8.1.1.2.1 Float Piling		13	28-Feb-24	13-Mar-24	37			7-day (Skagway
FP1000	Install Temp Positioning Piles	1	28-Feb-24	28-Feb-24	37	DOL3040	F1000	7-day (Skagway
FP1010	Install Permanent Float Piles	7	01-Mar-24	08-Mar-24	37	F1000	FP1020, FP1030, FP1	7-day (Skagway
FP1011	Pile Coating Inspection	1	09-Mar-24	09-Mar-24	37	FP1010	FP1020	7-day (Skagway
FP1020	Remove Temp Piles	1	10-Mar-24	10-Mar-24	37	FP1010, FP1011	FP1030, CP2010	7-day (Skagway
FP1030	Cut-off Piles	2	11-Mar-24	13-Mar-24	37	FP1020, FP1010	FP1031, M2000	7-day (Skagway
FP1031	Pile Coating Repair	1	11-Mar-24	11-Mar-24	38	FP1030	M2000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.2.2 Float		1	29-Feb-24	29-Feb-24	37			7-day (Skagway
F1000	Install Cruise Ship Float	1	29-Feb-24	29-Feb-24	37	FP1000, P1000	FP1010, CDR1010	7-day (Skagway
23-018(Descoped)-R4.8.1.1.4 Cruise Dock Access Ramp		53	18-Jan-24	17-Mar-24	28			7-day (Skagway
CDR1000	Install Ramp Bearings	1	18-Jan-24	18-Jan-24	74	CDS3040	CDR1010	7-day (Skagway
CDR1010	Install Cruise Dock Ramp	6	11-Mar-24	17-Mar-24	28	CDR1000, F1000, MEQ	DEQ1030, Permit100	7-day (Skagway
23-018(Descoped)-R4.8.1.1.8 Dolphins 1 -7 and Associated Catwalks		133	24-Oct-23	06-Apr-24	15			7-day (Skagway
23-018(Descoped)-R4.8.1.1.8.1 Dolphin 1		25	30-Nov-23	06-Jan-24	37			7-day (Skagway
DOL1000	Install Pile Template	4	30-Nov-23	03-Dec-23	37	MEQ1021, MD9020	DOL1010	7-day (Skagway
DOL1010	Drive Piles	12	04-Dec-23	17-Dec-23	37	DOL1000	DOL1011, DOL1020	7-day (Skagway
DOL1020	Cut-off Piles	2	18-Dec-23	19-Dec-23	37	DOL1010, DOL1011	DOL1030, DOL1021	7-day (Skagway
DOL1011	Pile Coating Inspection	1	18-Dec-23	18-Dec-23	37	DOL1010	DOL1020, DOL1021	7-day (Skagway
DOL1021	Pile Coating Repair	1	19-Dec-23	19-Dec-23	37	DOL1011, DOL1020	DOL1030	7-day (Skagway
DOL1030	Install Steel Pile Cap	5	20-Dec-23	04-Jan-24	37	DOL1020, DOL1021	DOL1040	7-day (Skagway
DOL1040	Remove Pile Template	1	05-Jan-24	05-Jan-24	37	DOL1030	DOL1050, CW1000	7-day (Skagway
DOL1050	Install Capstan	1	06-Jan-24	06-Jan-24	37	DOL1040	DOL2000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.8.2 Dolphin 2		25	07-Jan-24	03-Feb-24	37			7-day (Skagway
DOL2000	Install Pile Template	4	07-Jan-24	10-Jan-24	37	DOL1050	DOL2010	7-day (Skagway
DOL2010	Drive Piles	12	11-Jan-24	24-Jan-24	37	DOL2000	DOL2011, DOL2020	7-day (Skagway
DOL2020	Cut-off Piles	2	25-Jan-24	26-Jan-24	37	DOL2010, DOL2011	DOL2021, DOL2030	7-day (Skagway
DOL2011	Pile Coating Inspection	1	25-Jan-24	25-Jan-24	37	DOL2010	DOL2020, DOL2021	7-day (Skagway



Actual Level of Effort | Actual Work | Remaining Work | Critical Remaining Work | Milestone | summary

TASK filter: All Activities

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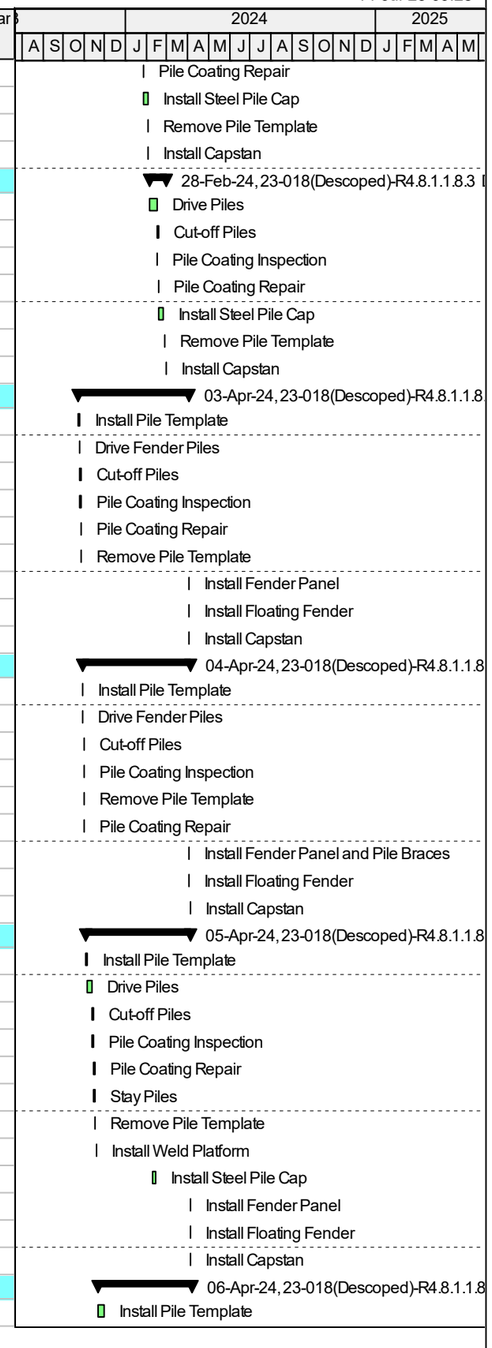
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Predecessors	Successors	Calendar
DOL2021	Pile Coating Repair	1	26-Jan-24	26-Jan-24	37	DOL2011, DOL2020	DOL2030	7-day (Skagway
DOL2030	Install Steel Pile Cap	5	27-Jan-24	01-Feb-24	37	DOL2020, DOL2021	DOL2040	7-day (Skagway
DOL2040	Remove Pile Template	1	02-Feb-24	02-Feb-24	37	DOL2030	DOL2050, CW1000, C	7-day (Skagway
DOL2050	Install Capstan	1	03-Feb-24	03-Feb-24	37	DOL2040	DOL3010	7-day (Skagway
23-018(Descoped)-R4.8.1.1.8.3	**Dolphin 3**	21	04-Feb-24	28-Feb-24	49			7-day (Skagway
DOL3010	Drive Piles	10	04-Feb-24	15-Feb-24	37	DOL2050	DOL3020, DOL3011	7-day (Skagway
DOL3020	Cut-off Piles	2	16-Feb-24	17-Feb-24	37	DOL3010, DOL3011	DOL3030, DOL3021	7-day (Skagway
DOL3011	Pile Coating Inspection	1	16-Feb-24	16-Feb-24	37	DOL3010	DOL3020, DOL3021	7-day (Skagway
DOL3021	Pile Coating Repair	1	17-Feb-24	17-Feb-24	37	DOL3020, DOL3011	DOL3030	7-day (Skagway
DOL3030	Install Steel Pile Cap	7	18-Feb-24	25-Feb-24	37	DOL3020, DOL3021	DOL3040	7-day (Skagway
DOL3040	Remove Pile Template	1	26-Feb-24	26-Feb-24	37	DOL3030	CW1020, DOL3050, F	7-day (Skagway
DOL3050	Install Capstan	1	28-Feb-24	28-Feb-24	49	DOL3040	M2000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.8.4	**Dolphin 4**	130	24-Oct-23	03-Apr-24	18			7-day (Skagway
DOL4000	Install Pile Template	1	24-Oct-23	24-Oct-23	91	MD4120	DOL4010	7-day (Skagway
DOL4010	Drive Fender Piles	1	25-Oct-23	25-Oct-23	91	DOL4000	DOL4020, DOL4011	7-day (Skagway
DOL4020	Cut-off Piles	1	26-Oct-23	26-Oct-23	92	DOL4010, DOL4011	DOL4030, DOL4021	7-day (Skagway
DOL4011	Pile Coating Inspection	1	26-Oct-23	26-Oct-23	91	DOL4010	DOL4020, DOL4021	7-day (Skagway
DOL4021	Pile Coating Repair	1	27-Oct-23	27-Oct-23	91	DOL4020, DOL4011	DOL4030	7-day (Skagway
DOL4030	Remove Pile Template	1	28-Oct-23	28-Oct-23	91	DOL4020, DOL4021	DOL4040, CW1020, C	7-day (Skagway
DOL4040	Install Fender Panel	1	02-Apr-24	02-Apr-24	2	DOL4030, MEQ1040	DOL4050	7-day (Skagway
DOL4050	Install Floating Fender	1	02-Apr-24	02-Apr-24	2	DOL4040	DOL4060, DOL5040	7-day (Skagway
DOL4060	Install Capstan	1	03-Apr-24	03-Apr-24	18	DOL4050	M2000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.8.5	**Dolphin 5**	126	29-Oct-23	04-Apr-24	17			7-day (Skagway
DOL5000	Install Pile Template	1	29-Oct-23	29-Oct-23	91	DOL4030	DOL5010	7-day (Skagway
DOL5010	Drive Fender Piles	1	30-Oct-23	30-Oct-23	91	DOL5000	DOL5020, DOL5011	7-day (Skagway
DOL5020	Cut-off Piles	1	31-Oct-23	31-Oct-23	91	DOL5010, DOL5011	DOL5030, DOL5021	7-day (Skagway
DOL5011	Pile Coating Inspection	1	31-Oct-23	31-Oct-23	91	DOL5010	DOL5020, DOL5021	7-day (Skagway
DOL5030	Remove Pile Template	1	01-Nov-23	01-Nov-23	91	DOL5020, DOL5021	DOL5040, CW1030, C	7-day (Skagway
DOL5021	Pile Coating Repair	1	01-Nov-23	01-Nov-23	91	DOL5020, DOL5011	DOL5030	7-day (Skagway
DOL5040	Install Fender Panel and Pile Braces	1	03-Apr-24	03-Apr-24	2	DOL5030, MEQ1040, D	DOL5050	7-day (Skagway
DOL5050	Install Floating Fender	1	03-Apr-24	03-Apr-24	2	DOL5040	DOL5060, DOL6050	7-day (Skagway
DOL5060	Install Capstan	1	04-Apr-24	04-Apr-24	17	DOL5050	M2000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.8.6	**Dolphin 6**	123	02-Nov-23	05-Apr-24	16			7-day (Skagway
DOL6000	Install Pile Template	4	02-Nov-23	05-Nov-23	91	DOL5030	DOL6010	7-day (Skagway
DOL6010	Drive Piles	4	06-Nov-23	12-Nov-23	91	DOL6000	DOL6020, DOL6011	7-day (Skagway
DOL6020	Cut-off Piles	1	13-Nov-23	13-Nov-23	91	DOL6010, DOL6011	DOL6030, DOL6021,	7-day (Skagway
DOL6011	Pile Coating Inspection	1	13-Nov-23	13-Nov-23	91	DOL6010	DOL6020, DOL6021	7-day (Skagway
DOL6021	Pile Coating Repair	1	15-Nov-23	15-Nov-23	91	DOL6020, DOL6011	DOL6029	7-day (Skagway
DOL6029	Stay Piles	2	15-Nov-23	16-Nov-23	91	DOL6021, DOL6020	DOL6030	7-day (Skagway
DOL6030	Remove Pile Template	1	17-Nov-23	17-Nov-23	91	DOL6020, DOL6029	DOL6040, DOL6031,	7-day (Skagway
DOL6031	Install Weld Platform	1	18-Nov-23	18-Nov-23	105	DOL6030	DOL6040	7-day (Skagway
DOL6040	Install Steel Pile Cap	5	09-Feb-24	14-Feb-24	45	DOL6030, DOL6031, MI	DOL6050, CW1070, C	7-day (Skagway
DOL6050	Install Fender Panel	1	04-Apr-24	04-Apr-24	2	DOL6040, MEQ1040, D	DOL6060	7-day (Skagway
DOL6060	Install Floating Fender	1	04-Apr-24	04-Apr-24	2	DOL6050	DOL6070, DOL7050	7-day (Skagway
DOL6070	Install Capstan	1	05-Apr-24	05-Apr-24	16	DOL6060	M2000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.8.7	**Dolphin 7**	109	21-Nov-23	06-Apr-24	2			7-day (Skagway
DOL7000	Install Pile Template	4	21-Nov-23	29-Nov-23	91	DOL6030, MD3030	DOL7010	7-day (Skagway



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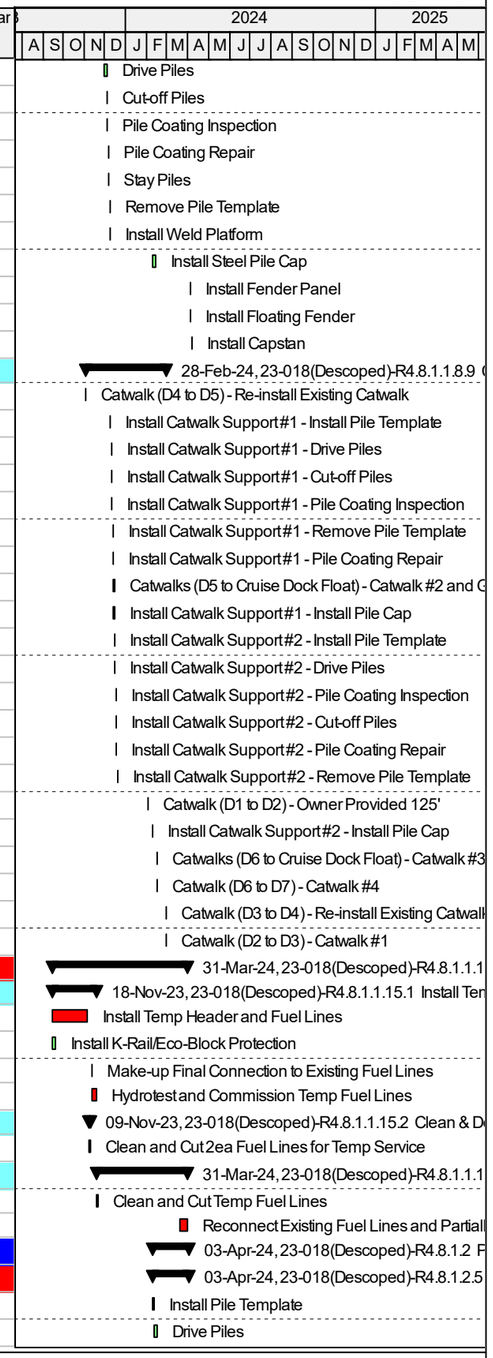
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Predecessors	Successors	Calendar
DOL7010	Drive Piles	4	30-Nov-23	03-Dec-23	91	DOL7000	DOL7020, DOL7011	7-day (Skagway
DOL7020	Cut-off Piles	1	04-Dec-23	04-Dec-23	91	DOL7010, DOL7011	DOL7030, DOL7021,	7-day (Skagway
DOL7011	Pile Coating Inspection	1	04-Dec-23	04-Dec-23	91	DOL7010	DOL7020, DOL7021	7-day (Skagway
DOL7021	Pile Coating Repair	1	06-Dec-23	06-Dec-23	91	DOL7020, DOL7011	DOL7029	7-day (Skagway
DOL7029	Stay Piles	2	06-Dec-23	07-Dec-23	91	DOL7021, DOL7020	DOL7030	7-day (Skagway
DOL7030	Remove Pile Template	1	08-Dec-23	08-Dec-23	91	DOL7020, DOL7029	DOL7040, DOL7031,	7-day (Skagway
DOL7031	Install Weld Platform	1	09-Dec-23	09-Dec-23	91	DOL7030	DOL7040	7-day (Skagway
DOL7040	Install Steel Pile Cap	5	09-Feb-24	14-Feb-24	46	DOL7030, DOL7031, MI	DOL7050, CW1080	7-day (Skagway
DOL7050	Install Fender Panel	1	05-Apr-24	05-Apr-24	2	DOL7040, MEQ1040, D	DOL7060	7-day (Skagway
DOL7060	Install Floating Fender	1	05-Apr-24	05-Apr-24	2	DOL7050	DOL7070	7-day (Skagway
DOL7070	Install Capstan	1	06-Apr-24	06-Apr-24	2	DOL7060	M2000, Permit1010	7-day (Skagway
23-018(Descoped)-R4.8.1.1.8.9 Catwalks		90	02-Nov-23	28-Feb-24	49			7-day (Skagway
CW1030	Catwalk (D4 to D5) - Re-install Existing Catwalk	1	02-Nov-23	02-Nov-23	138	DOL4030, DOL5030	M2000	7-day (Skagway
CW1040	Install Catwalk Support#1 - Install Pile Template	1	09-Dec-23	09-Dec-23	101	DOL7030	CW1041	7-day (Skagway
CW1041	Install Catwalk Support#1 - Drive Piles	1	10-Dec-23	10-Dec-23	101	CW1040	CW1043, CW1042	7-day (Skagway
CW1043	Install Catwalk Support#1 - Cut-off Piles	1	11-Dec-23	11-Dec-23	101	CW1041, CW1042	CW1045, CW1044	7-day (Skagway
CW1042	Install Catwalk Support#1 - Pile Coating Inspection	1	11-Dec-23	11-Dec-23	101	CW1041	CW1043, CW1044	7-day (Skagway
CW1045	Install Catwalk Support#1 - Remove Pile Template	1	13-Dec-23	13-Dec-23	101	CW1043, CW1044	CW1046, CP2000	7-day (Skagway
CW1044	Install Catwalk Support#1 - Pile Coating Repair	1	13-Dec-23	13-Dec-23	101	CW1043, CW1042	CW1045	7-day (Skagway
CW1050	Catwalks (D5 to Cruise Dock Float) - Catwalk #2 and Gangway to Float #1	1	14-Dec-23	14-Dec-23	101	CW1046, DOL5030	CW1060	7-day (Skagway
CW1046	Install Catwalk Support#1 - Install Pile Cap	1	14-Dec-23	14-Dec-23	101	CW1045, MEQ1021	CW1050	7-day (Skagway
CW1060	Install Catwalk Support#2 - Install Pile Template	1	15-Dec-23	15-Dec-23	101	CW1050	CW1061	7-day (Skagway
CW1061	Install Catwalk Support#2 - Drive Piles	1	16-Dec-23	16-Dec-23	101	CW1060	CW1063, CW1062	7-day (Skagway
CW1062	Install Catwalk Support#2 - Pile Coating Inspection	1	17-Dec-23	17-Dec-23	101	CW1061	CW1063, CW1064	7-day (Skagway
CW1063	Install Catwalk Support#2 - Cut-off Piles	1	18-Dec-23	18-Dec-23	101	CW1061, CW1062	CW1065, CW1064	7-day (Skagway
CW1064	Install Catwalk Support#2 - Pile Coating Repair	1	18-Dec-23	18-Dec-23	102	CW1063, CW1062	CW1065	7-day (Skagway
CW1065	Install Catwalk Support#2 - Remove Pile Template	1	19-Dec-23	19-Dec-23	101	CW1063, CW1064	CW1066, CP2020	7-day (Skagway
CW1000	Catwalk (D1 to D2) - Owner Provided 125'	1	03-Feb-24	03-Feb-24	70	DOL1040, DOL2040	M2000	7-day (Skagway
CW1066	Install Catwalk Support#2 - Install Pile Cap	1	09-Feb-24	09-Feb-24	65	CW1065, MEQ1022	CW1070, ASMSP100	7-day (Skagway
CW1070	Catwalks (D6 to Cruise Dock Float) - Catwalk #3 and Gangway to Float #2	1	15-Feb-24	15-Feb-24	60	CW1066, DOL6040	CW1080	7-day (Skagway
CW1080	Catwalk (D6 to D7) - Catwalk #4	1	15-Feb-24	15-Feb-24	60	DOL6040, DOL7040, CV	M2000	7-day (Skagway
CW1020	Catwalk (D3 to D4) - Re-install Existing Catwalk	1	28-Feb-24	28-Feb-24	49	DOL4030, DOL3040	M2000	7-day (Skagway
CW1010	Catwalk (D2 to D3) - Catwalk #1	1	28-Feb-24	28-Feb-24	49	DOL2040, DOL3040	M2000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.15 Temporary Fuel Lines		164	16-Sep-23	31-Mar-24	20			7-day (Skagway
23-018(Descoped)-R4.8.1.1.15.1 Install Temp Header and Fuel Lines		59	16-Sep-23	18-Nov-23	20			7-day (Skagway
ITFL1000	Install Temp Header and Fuel Lines	51	16-Sep-23	06-Nov-23	20	MS1030	CDFL1000, ITFL1001	7-day (Skagway
ITFL1001	Install K-Rail/Eco-Block Protection	5	16-Sep-23	20-Sep-23	73	ITFL1000	ITFL1010	7-day (Skagway
ITFL1010	Make-up Final Connection to Existing Fuel Lines	1	12-Nov-23	12-Nov-23	20	CDFL1000, ITFL1001, F	ITFL1020	7-day (Skagway
ITFL1020	Hydrotest and Commission Temp Fuel Lines	5	13-Nov-23	18-Nov-23	20	ITFL1010	RTFL1000	7-day (Skagway
23-018(Descoped)-R4.8.1.1.15.2 Clean & Demo Existing Fuel Lines for Temporary Lines		2	08-Nov-23	09-Nov-23	20			7-day (Skagway
CDFL1000	Clean and Cut 2ea Fuel Lines for Temp Service	2	08-Nov-23	09-Nov-23	20	ITFL1000, WR2020	ITFL1010	7-day (Skagway
23-018(Descoped)-R4.8.1.1.15.3 Removal of Temp Fuel Header and Fuel Lines		105	19-Nov-23	31-Mar-24	20			7-day (Skagway
RTFL1000	Clean and Cut Temp Fuel Lines	2	19-Nov-23	20-Nov-23	20	ITFL1020	RTFL1010	7-day (Skagway
RTFL1010	Reconnect Existing Fuel Lines and Partially Remove Temp Fuel Lines	10	20-Mar-24	31-Mar-24	20	RTFL1000	FN2000, M2000	7-day (Skagway
23-018(Descoped)-R4.8.1.2 Project Milestone 2 Scope of Work		54	10-Feb-24	03-Apr-24	212			
23-018(Descoped)-R4.8.1.2.5 Phase 1 MSP (Approach Slab and First 3 Bents of Piles)		47	10-Feb-24	03-Apr-24	207			7-day (Skagway
ASMSP1000	Install Pile Template	2	10-Feb-24	11-Feb-24	216	CW1066	ASMSP1010	7-day (Skagway
ASMSP1010	Drive Piles	3	12-Feb-24	15-Feb-24	216	ASMSP1000	ASMSP1020, ASMSF	7-day (Skagway



Actual Level of Effort | Actual Work | Remaining Work | Critical Remaining Work | Milestone | summary

TASK filter: All Activities

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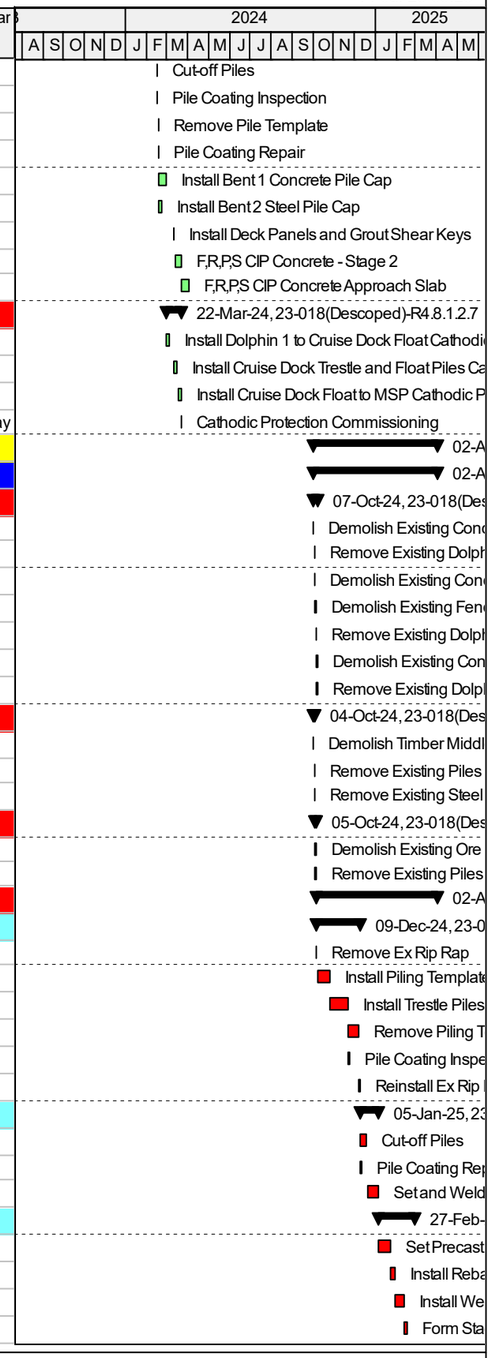
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Predecessors	Successors	Calendar
ASMSP1020	Cut-off Piles	1	16-Feb-24	16-Feb-24	216	ASMSP1010,ASMSP1(	ASMSP1030,ASMSF	7-day (Skagway
ASMSP1011	Pile Coating Inspection	1	16-Feb-24	16-Feb-24	216	ASMSP1010	ASMSP1021,ASMSF	7-day (Skagway
ASMSP1030	Remove Pile Template	1	17-Feb-24	17-Feb-24	216	ASMSP1020	ASMSP1040, MSPN1	7-day (Skagway
ASMSP1021	Pile Coating Repair	1	17-Feb-24	17-Feb-24	216	ASMSP1020,ASMSP1(	ASMSP1040	7-day (Skagway
ASMSP1040	Install Bent 1 Concrete Pile Cap	10	18-Feb-24	29-Feb-24	216	ASMSP1030,ASMSP1(	ASMSP1050,ASMSF	7-day (Skagway
ASMSP1050	Install Bent 2 Steel Pile Cap	3	18-Feb-24	21-Feb-24	223	ASMSP1040	ASMSP1060	7-day (Skagway
ASMSP1060	Install Deck Panels and Grout Shear Keys	1	11-Mar-24	11-Mar-24	207	ASMSP1050,ASMSP1(	ASMSP1070	7-day (Skagway
ASMSP1070	F,R,P,S CIP Concrete - Stage 2	10	13-Mar-24	22-Mar-24	207	ASMSP1060	ASMSP1080	7-day (Skagway
ASMSP1080	F,R,P,S CIP Concrete Approach Slab	10	23-Mar-24	03-Apr-24	207	ASMSP1070	M2020	7-day (Skagway
23-018(Descoped)-R4.8.1.2.7	**Cathodic Protection at Dolphins, Catwalks, and Fuel Header Piles**	24	28-Feb-24	22-Mar-24	224			
CP2000	Install Dolphin 1 to Cruise Dock Float Cathodic Protection	5	28-Feb-24	03-Mar-24	223	DOL3040, DOL4030, DC	CP2010	7-day (Skagway
CP2010	Install Cruise Dock Trestle and Float Piles Cathodic Protection	5	11-Mar-24	16-Mar-24	217	CP2000, FP1020, CDTF	CP2020	7-day (Skagway
CP2020	Install Cruise Dock Float to MSP Cathodic Protection	5	17-Mar-24	21-Mar-24	217	CP2010, DOL6030, DOI	CP2040	7-day (Skagway
CP2040	Cathodic Protection Commissioning	1	22-Mar-24	22-Mar-24	224	CP2020	M2020	7day
23-018(Descoped)-R4.8.2	**Additive Alternate**	184	01-Oct-24	02-Apr-25	13			
23-018(Descoped)-R4.8.2.1	**Project Milestone 3 Scope of Work**	184	01-Oct-24	02-Apr-25	13			
23-018(Descoped)-R4.8.2.1.17	**Dolphin 5,6 and Barge Dolphin 2**	7	01-Oct-24	07-Oct-24	3			7-day (Skagway
MD9040	Demolish Existing Concrete Cap and Fender Panel (Dolphin 5)	2	01-Oct-24	02-Oct-24	3	WR1020	MD9050	7-day (Skagway
MD9050	Remove Existing Dolphin and Fender Piles (Dolphin 5)	1	03-Oct-24	03-Oct-24	3	MD9040	MD11010	7-day (Skagway
MD11010	Demolish Existing Concrete Cap (Dolphin 6)	1	04-Oct-24	04-Oct-24	3	MD9050	MD11520, MD11500	7-day (Skagway
MD11500	Demolish Existing Fender Panel (Dolphin 6)	1	05-Oct-24	05-Oct-24	3	MD11010	MD11520	7-day (Skagway
MD11520	Remove Existing Dolphin and Fender Piles (Dolphin 6)	1	06-Oct-24	06-Oct-24	3	MD11010, MD11500	MD12000	7-day (Skagway
MD12000	Demolish Existing Concrete Cap (Barge Dolphin 1)	1	07-Oct-24	07-Oct-24	3	MD11520	MD12010	7-day (Skagway
MD12010	Remove Existing Dolphin Piles (Barge Dolphin 1)	1	07-Oct-24	07-Oct-24	3	MD12000	MSP1000	7-day (Skagway
23-018(Descoped)-R4.8.2.1.6	**Timber Middle In-Fill (2nd Season)**	4	01-Oct-24	04-Oct-24	4			7-day (Skagway
MD12020	Demolish Timber Middle In-Fill Superstructure	2	01-Oct-24	02-Oct-24	4	WR1020	MD12030	7-day (Skagway
MD12030	Remove Existing Piles	1	03-Oct-24	03-Oct-24	4	MD12020	MD12040	7-day (Skagway
MD12040	Remove Existing Steel Pile Stubs (Elev. MLLW +0.00')	1	04-Oct-24	04-Oct-24	4	MD12030	MD12050	7-day (Skagway
23-018(Descoped)-R4.8.2.1.20	**Timber Ore Loader Dock - North Section (2nd Season)**	1	05-Oct-24	05-Oct-24	4			7-day (Skagway
MD12050	Demolish Existing Ore Dock Superstructure and Walkway	1	05-Oct-24	05-Oct-24	4	MD12040	MD12060	7-day (Skagway
MD12060	Remove Existing Piles	1	05-Oct-24	05-Oct-24	4	MD12050	MSP1030	7-day (Skagway
23-018(Descoped)-R4.8.2.1.1	**Substantial Completion of MSP Phase 1A**	179	06-Oct-24	02-Apr-25	13			
23-018(Descoped)-R4.8.2.1.1.1	**Piling**	55	06-Oct-24	09-Dec-24	3			7-day (Skagway
MSP1030	Remove Ex Rip Rap	1	06-Oct-24	06-Oct-24	4	WR1020, MD12060	MSP1000	7-day (Skagway
MSP1000	Install Piling Template	18	08-Oct-24	26-Oct-24	3	MSP1030, MD12010	MSP1010	7-day (Skagway
MSP1010	Install Trestle Piles	24	27-Oct-24	22-Nov-24	3	MSP1000	MSP1020, MSP1011,	7-day (Skagway
MSP1020	Remove Piling Template	9	23-Nov-24	07-Dec-24	3	MSP1010, MSP1011	MSP2000, MSP1031	7-day (Skagway
MSP1011	Pile Coating Inspection	1	23-Nov-24	23-Nov-24	3	MSP1010	MSP1020, MSP2001	7-day (Skagway
MSP1031	Reinstall Ex Rip Rap	2	08-Dec-24	09-Dec-24	3	MSP1020	MSP2000	7-day (Skagway
23-018(Descoped)-R4.8.2.1.1.2	**Pile Caps - Stage 1**	14	10-Dec-24	05-Jan-25	3			7-day (Skagway
MSP2000	Cut-off Piles	9	10-Dec-24	19-Dec-24	3	MSP1020, MSP1031	MSP2010, MSP2001	7-day (Skagway
MSP2001	Pile Coating Repair	3	10-Dec-24	12-Dec-24	9	MSP2000, MSP1011	MSP2010	7-day (Skagway
MSP2010	Set and Weld Pile Caps	5	20-Dec-24	05-Jan-25	3	MSP2000, MSP2001, M	MSP3000	7-day (Skagway
23-018(Descoped)-R4.8.2.1.1.3	**Precast Deck Panels and Stage 2 CIP Caps - Stage 2**	53	06-Jan-25	27-Feb-25	3			
MSP3000	Set Precast Panels and Grout Shear Keys	15	06-Jan-25	23-Jan-25	3	MSP2010, MEQ1024	MSP3010	7-day (Skagway
MSP3010	Install Rebar	5	24-Jan-25	29-Jan-25	3	MSP3000	MSP3020	7-day (Skagway
MSP3020	Install Weld Splices	12	30-Jan-25	12-Feb-25	3	MSP3010	MSP3030	7-day (Skagway
MSP3030	Form Stage 2 Pile Caps and Trench Drain	4	13-Feb-25	16-Feb-25	3	MSP3020	MSP3040	7-day (Skagway



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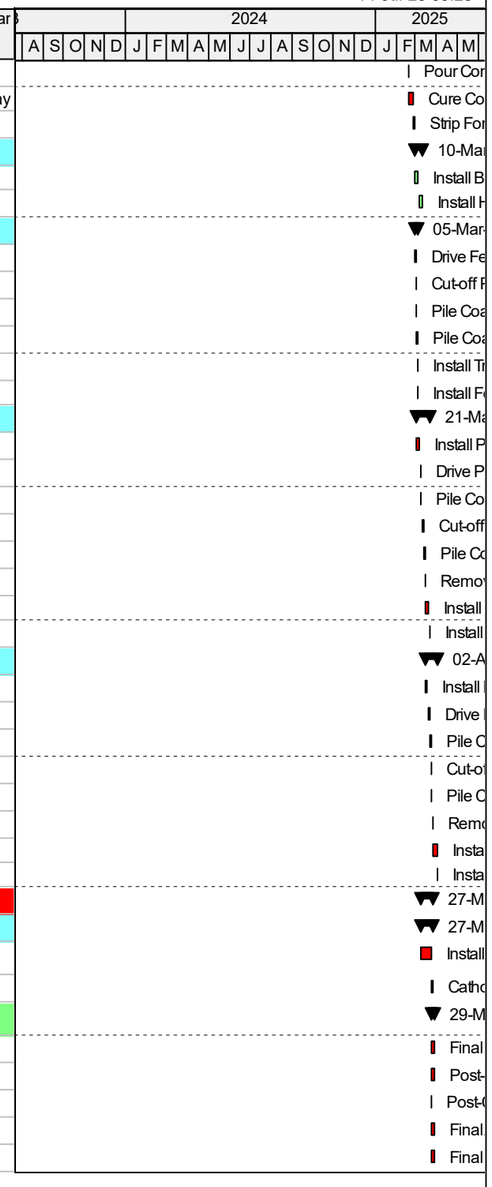
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Predecessors	Successors	Calendar
MSP3040	Pour Concrete	1	18-Feb-25	18-Feb-25	3	MSP3030	MSP3050	7-day (Skagway
MSP3050	Cure Concrete	7	19-Feb-25	25-Feb-25	3	MSP3040	MSP3060	7day
MSP3060	Strip Forms	2	26-Feb-25	27-Feb-25	3	MSP3050	MSP5000, MSPFS10	7-day (Skagway
23-018(Descoped)-R4.8.2.1.1.5 Install Bullrail and Handrail		10	28-Feb-25	10-Mar-25	33			7-day (Skagway
MSP5000	Install Bullrail	5	28-Feb-25	05-Mar-25	33	MSP3060	MSP5010	7-day (Skagway
MSP5010	Install Handrail	5	06-Mar-25	10-Mar-25	33	MSP5000	M2030	7-day (Skagway
23-018(Descoped)-R4.8.2.1.1.6 Fender System		5	28-Feb-25	05-Mar-25	38			7-day (Skagway
MSPFS1000	Drive Fender Piles	2	28-Feb-25	01-Mar-25	3	MSP3060	MSPFS1010, MSPFS	7-day (Skagway
MSPFS1010	Cut-off Piles	1	02-Mar-25	02-Mar-25	39	MSPFS1000, MSPFS1(	MSPFS1020, MSPFS	7-day (Skagway
MSPFS1001	Pile Coating Inspection	1	02-Mar-25	02-Mar-25	38	MSPFS1000	MSPFS1010, MSPFS	7-day (Skagway
MSPFS1011	Pile Coating Repair	1	03-Mar-25	03-Mar-25	38	MSPFS1010, MSPFS1(	MSPFS1020	7-day (Skagway
MSPFS1030	Install Trapezoidal Fenders	1	05-Mar-25	05-Mar-25	38	MSPFS1020	M2030	7-day (Skagway
MSPFS1020	Install Fender Panels	1	05-Mar-25	05-Mar-25	38	MSPFS1010, MSPFS1(	MSPFS1030	7-day (Skagway
23-018(Descoped)-R4.8.2.1.1.7 MSP Dolphin S1		18	02-Mar-25	21-Mar-25	16			7-day (Skagway
MSPS1000	Install Pile Template	5	02-Mar-25	07-Mar-25	3	MSPFS1000	MSPS1010	7-day (Skagway
MSPS1010	Drive Piles	1	08-Mar-25	08-Mar-25	3	MSPS1000	MSPS1020, MSPS1(	7-day (Skagway
MSPS1011	Pile Coating Inspection	1	09-Mar-25	09-Mar-25	3	MSPS1010	MSPS1020	7-day (Skagway
MSPS1020	Cut-off Piles	2	10-Mar-25	12-Mar-25	3	MSPS1010, MSPS1011	MSPS1030, MSPS1(	7-day (Skagway
MSPS1021	Pile Coating Repair	2	13-Mar-25	14-Mar-25	3	MSPS1020	MSPS1030	7-day (Skagway
MSPS1030	Remove Pile Template	1	15-Mar-25	15-Mar-25	3	MSPS1020, MSPS102'	MSPS1040, WR1030	7-day (Skagway
MSPS1040	Install Steel Pile Cap	5	16-Mar-25	20-Mar-25	16	MSPS1030, MEQ1024	MSPS1050	7-day (Skagway
MSPS1050	Install Fender Panel	1	21-Mar-25	21-Mar-25	16	MSPS1040	M2030, DEQ1000, LY	7-day (Skagway
23-018(Descoped)-R4.8.2.1.1.9 MSP Dolphin N1		16	16-Mar-25	02-Apr-25	3			7-day (Skagway
MSPN1000	Install Pile Template	3	16-Mar-25	18-Mar-25	3	ASMSP1030, MSPS10:	MSPN1010	7-day (Skagway
MSPN1010	Drive Piles	4	19-Mar-25	22-Mar-25	3	MSPN1000	MSPN1020, MSPN1(	7-day (Skagway
MSPN1011	Pile Coating Inspection	1	23-Mar-25	23-Mar-25	3	MSPN1010	MSPN1020, MSPN1(	7-day (Skagway
MSPN1020	Cut-off Piles	1	24-Mar-25	24-Mar-25	3	MSPN1010, MSPN1011	MSPN1030, MSPN1(	7-day (Skagway
MSPN1021	Pile Coating Repair	1	24-Mar-25	24-Mar-25	3	MSPN1020, MSPN1011	MSPN1030	7-day (Skagway
MSPN1030	Remove Pile Template	1	26-Mar-25	26-Mar-25	3	MSPN1020, MSPN102'	MSPN1040	7-day (Skagway
MSPN1040	Install Steel Pile Cap	5	27-Mar-25	01-Apr-25	3	MSPN1030, MEQ1022	MSPN1050	7-day (Skagway
MSPN1050	Install Fender Panel	1	02-Apr-25	02-Apr-25	3	MSPN1040, MEQ1040	M2030, LY2000, DEQ	7-day (Skagway
23-018(Descoped)-R4.8.2.1.2 Utilities Commissioned on MSP		17	09-Mar-25	27-Mar-25	16			7-day (Skagway
23-018(Descoped)-R4.8.2.1.2.1 Cathodic Protection		17	09-Mar-25	27-Mar-25	16			7-day (Skagway
MSPCP1000	Install MSP Cathodic Protection	14	09-Mar-25	23-Mar-25	16	MSPS1010, MSPFS10(	MSPCP1010	7-day (Skagway Holidays)
MSPCP1010	Cathodic Protection Commissioning	3	24-Mar-25	27-Mar-25	16	MSPCP1000	M2030, CO1000	7-day (Skagway
23-018(Descoped)-R4.9 Project Close-out		5	24-Mar-25	29-Mar-25	16			7-day (Skagway Holidays)
CO1000	Final Cleanup	5	24-Mar-25	29-Mar-25	16	MSPCP1010	M2040, CO1010	7-day (Skagway
CO1010	Post-Construction Land Survey	5	24-Mar-25	29-Mar-25	16	CO1000	M2040, CO1020	7-day (Skagway
CO1020	Post-Construction Hydrographic Survey	1	24-Mar-25	24-Mar-25	16	CO1010	M2040, CO1030	7-day (Skagway
CO1030	Final As-Builts	5	24-Mar-25	29-Mar-25	16	CO1020	M2040, CO1040	7-day (Skagway
CO1040	Final Submittals	5	24-Mar-25	29-Mar-25	16	CO1030	M2040	7-day (Skagway



Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone
summary

TASK filter: All Activities

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Appendix C: PPM Contract Clarifications and Exceptions

Pacific Pile & Marine, LP
700 South Riverside Drive
Seattle, WA 98108

T 206 331-3873
F 206 774-5958
License # PACIFPM922J3

July 3rd, 2023

Municipality of Skagway
PO Box 415
Skagway, Alaska 99840

Attn: Municipality of Skagway
KPFF Consulting Engineers

RE: Ore Peninsula Redevelopment Project – Contract Clarifications and Exceptions

Dear Municipality of Skagway,

We have reviewed the Municipality of Skagway ("MOS") Sample Construction Services Agreement and Insurance Requirements for the Ore Terminal 2023 Large Ship Mooring project. Our bid and the associated bonds are contingent upon MOS and Pacific Pile & Marine, LP ("PPM") reaching mutually agreeable contractual terms addressing the specific issues outlined below. Our proposed amendments are as follows:

1. Contractor may invoice and MOS shall pay 5% of the awarded contract value upon award and receipt of the signed Contract and after MOS has received Contractor's Payment and Performance Bonds as advanced payment to fund mobilization.
2. For all bid items that containing materials and equipment not incorporated in the Work but delivered and suitably stored in Seattle or another secured location prior to delivery to sight, Contractor may request and MOS shall pay for such materials. The Application for Payment shall be accompanied by manufacturer or supplier's invoice or other documentation and evidence that the Materials and Equipment are covered by appropriate property insurance and other arrangements to protect the MOS's interest therein, all of which will be satisfactory to the Engineer. Access to material storage facilities will be provided to Quality Control Staff, Owner or Owner's agents for inspection or verification of materials.
3. Contractor cannot accept $40,000/day liquidated damages and as such, Contract Article VII. A. 2). is deleted in its entirety and replaced to read as follows:

   A. 2). For Project Milestone 1 as defined in Specification Section 01 14 00 Work Restrictions and Permits the CONTRACTOR will pay the MOS up to $5,000 per day as liquidated damages if the project is not completed in accordance with the Proposal specifications. If the MOS determines that the project is defective and that repairs must be made to meet the Proposal specifications, the CONTRACTOR will pay the MOS up to $5,000 per day for each day that the project fails to meet the approval of the MOS, up to the time that the MOS agrees that the project has been completed in accordance with the Proposal specifications. If there are any certifications or permits necessary for acceptance of the project, the project shall not be determined complete until the CONTRACTOR has secured all such certifications or permits and liquidated damages shall continue to accrue.

4. MOS shall, upon request from Contractor, provide reasonable evidence that financial arrangements have been made and secured to fulfill Owners' obligations under the Contract.

5. Article 4.3 Differing Site Conditions is Amended to read as follows:

   A. Contractor has had no ability to reasonably inspect subsurface site conditions and has only visually reviewed the work site. "Differing Site Condition" shall mean: (1)

subsurface or latent physical conditions at the site which materially differ from those indicated in the Contract Documents; (2) unknown physical conditions at the site, of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inherent in the work of the character provided for in the Contract Documents; and/or (3) discovery of any Unknown Hazardous Materials.

B. In the event CONTRACOR encounters a Differing Site Condition, Contractor shall promptly, and before the conditions are disturbed, give written notice to the Engineer.

C. The Engineer shall investigate the site conditions promptly after receiving the notice. If the conditions do meet the definition of Differing Site Condition and cause an increase or decrease in the Contractor's cost of, or the time required for, performing any part of the work under this contract, whether or not changed as a result of the conditions, an equitable adjustment shall be made under this clause and a Change Order will issue.

D. No request by the Contractor for an equitable adjustment to the contract under this clause shall be allowed, unless the Contractor has given the written notice required.

E. If the Engineer does not determine a Differing Site Conditions exists, the Engineer will provide written justification to CONTRACTOR within 7 days. If Contractor disagrees with the Project Manager's decision, Contractor may file a Claim pursuant to Articles 11 and 12.

6. Hazardous Materials:
   Contractor shall not be responsible for any Hazardous Environmental Condition encountered at the site (including all subsurface materials) which are not identified in the Contract Documents to be within the scope of the Work. Under no circumstance shall Contractor be identified as the generator of such hazardous materials. Contractor shall only be responsible for hazardous materials brought to the Site by Contractor and its Subcontractors, Suppliers, or anyone else for whom Contractor is responsible.

7. Design Changes:
   To the extent any changes by Owner and/or Owner's engineer to the plans and specifications increase or decrease Contractor's time and/or cost of performance, Owner shall issue a change order incorporating such changes to and include an equitable adjustment to the contract time and price.

8. Article 11.5 A. is deleted in its entirety and is replaced with the following:
   11.5 A. Payroll costs and other compensation of the CONTRACTOR's officers, executives, principals of partnerships and sole proprietorships, general managers, engineers, architects, estimators, lawyers, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, superintendents and non-working foremen, and similar administrative personnel not working directly on the Work. These costs shall be considered administrative costs covered by the CONTRACTOR's Fee. For purposes of clarity, CONTRACTOR'S engineers, purchasing and contracting agents, clerks, superintendents, and administrative personnel working on the Project shall be considered "Cost of Work."

9. As a result of MOS's requirement that General Conditions be included in Mobilization and Demobilization costs, notwithstanding Article 1.05 of Section 01 22 00, Contractor shall invoice and MOS shall pay Mobilization and Demobilization costs pursuant to the Schedule of Values.

10. The force account rates for piling overdrive in both the base and the MSP additive items do not include the cost of a pile splice if required. Pile splices cannot be priced on a linear foot basis which is the basis of measurement for the force account items. Contractor and Client to agree a force account item for pile splices after award.

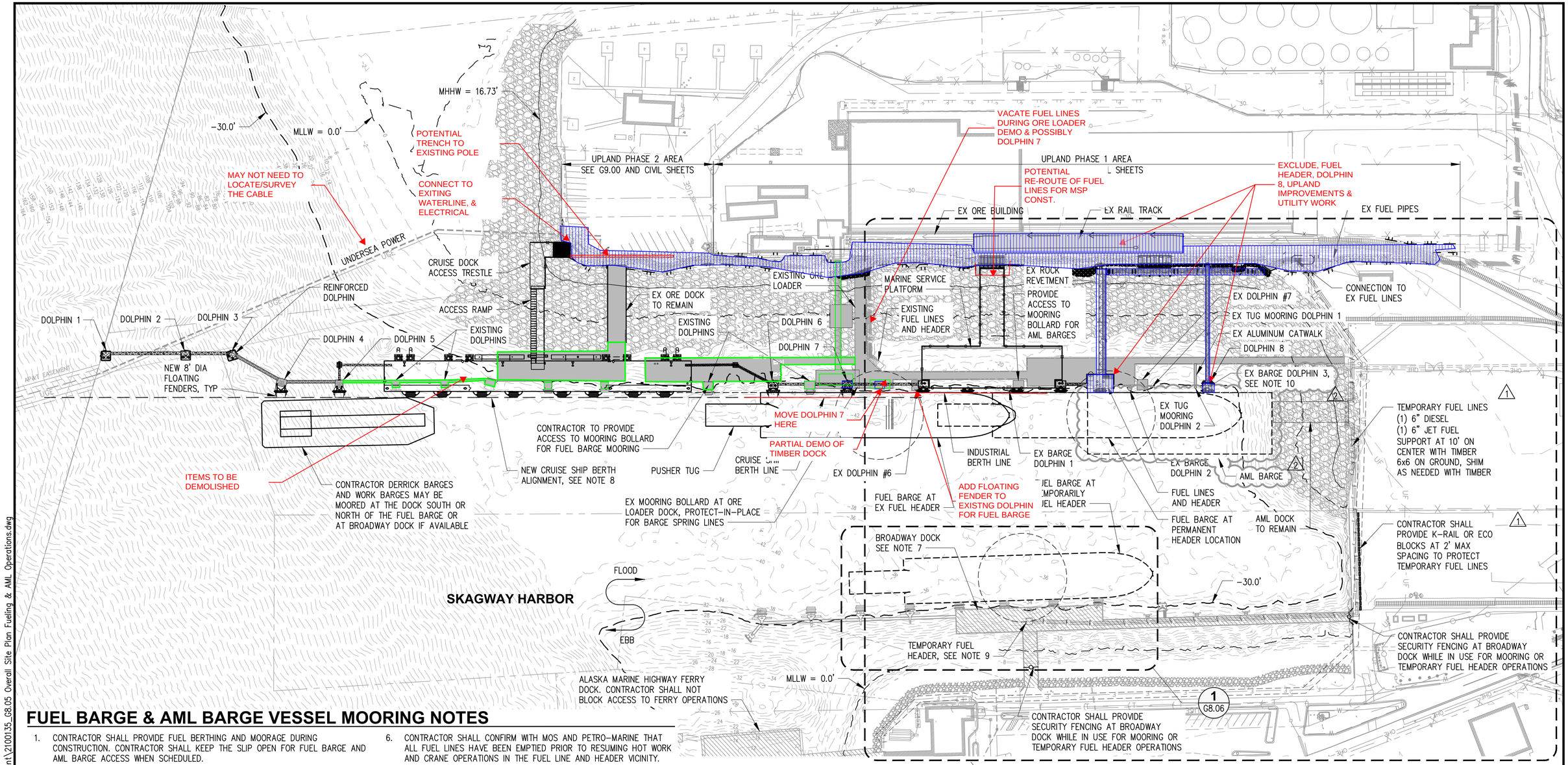
11. The force account rates for obstruction removal and redrive do not include the provision and cost of providing drilling equipment to drill through an unremovable obstruction. If drilling equipment is required the cost of mobilizing and drilling will be paid on a cost plus basis and take into account increase in overhead and delay time as a result.

Sincerely,

Chris Willis
Executive Vice President Pacific
Pile & Marine, LP

Appendix D: Concept Drawings

Concept De-Scoping Plan - 07/05/2023



FUEL BARGE & AML BARGE VESSEL MOORING NOTES

1. CONTRACTOR SHALL PROVIDE FUEL BERTHING AND MOORAGE DURING CONSTRUCTION. CONTRACTOR SHALL KEEP THE SLIP OPEN FOR FUEL BARGE AND AML BARGE ACCESS WHEN SCHEDULED.
2. FUEL BARGE IS GENERALLY EXPECTED EVERY 20 DAYS. FUEL TRANSFER DURATION IS TYPICALLY 36–48 HOURS. AML BARGES TYPICALLY LOAD WEEKLY SUNDAY–MONDAY AND CAN VARY. CONTRACTOR TO COORDINATE WITH MOS ON SCHEDULING. CONTRACTOR SHALL KEEP THE ORE BASIN OPEN FOR AML BARGE TRAFFIC WHEN SCHEDULED.
3. NO HOT WORK WILL BE ALLOWED WITHIN 300' OF THE FUEL BARGE WHILE IN PORT. NO CRANE WORK WITHIN RANGE OF THE BARGE WILL BE PERMITTED.
4. NEW AND EXISTING STRUCTURES SHOWN IN THIS VIEW, CONTRACTOR SHALL DETERMINE PHASING OF PROJECT TO ALLOW FOR FUEL BARGE OPERATIONS AND AML BARGE OPERATIONS.
5. CONTRACTOR SHALL SUBMIT FUEL BARGE MOORING AND BERTHING PLANS 3 WEEKS PRIOR TO FUEL BARGE ARRIVAL.
6. CONTRACTOR SHALL CONFIRM WITH MOS AND PETRO–MARINE THAT ALL FUEL LINES HAVE BEEN EMPTIED PRIOR TO RESUMING HOT WORK AND CRANE OPERATIONS IN THE FUEL LINE AND HEADER VICINITY. SEE G SHEETS FOR PETRO–MARINE CONTACT INFORMATION.
7. CONTRACTOR MAY MOOR VESSELS AND BARGES AT BROADWAY DOCK WITH FLOATING FENDERS REMOVED BY CONTRACTOR TO PREVENT DAMAGE. FLOATING FENDERS SHALL BE REMOVED FOR FUEL BARGE OPERATIONS.
8. NOTE EXISTING BERTH LINE AND CURRENT BERTH LINE DIFFER IN LOCATION.
9. TEMPORARY FUEL HEADER. CONTRACTOR DESIGNED, CONTRACTOR TO PROVIDE CONNECTIONS FOR FUEL LINES. SEE SHEET G8.06.
10. (2) CONTRACTOR MAY TEMPORARILY RELOCATE THE PLUMB PILE FROM BARGE DOLPHIN 3 TO ACCOMMODATE AML BARGE BERTHING DURING CONSTRUCTION OF DOLPHIN 8.

OVERALL SITE PLAN

SCALE: 1" = 80'

LEGEND

- EXISTING STRUCTURES TO BE REMOVED, SEE DEMOLITION SHEETS
- EXISTING FUEL LINES
- FUEL LINES
- SECURITY FENCE

PROJECT NORTH (45.9°)

0 80 160 240

SCALE IN FEET

CONCEPT DE-SCOPING PLAN - 07/05/2023

kpff
1601 5th Avenue, Suite 1300
Seattle, Washington 98101
(206) 382-0600 Fax (206) 382-0500

5/4/2023 STATE OF ALASKA 49TH Robert H. Riley No. 11844 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	BY	REVISION
1	05/18/23	JLF	ADDENDUM 1
2	06/02/23	EJD	ADDENDUM 3

ORE PENINSULA REDEVELOPMENT
SKAGWAY, ALASKA

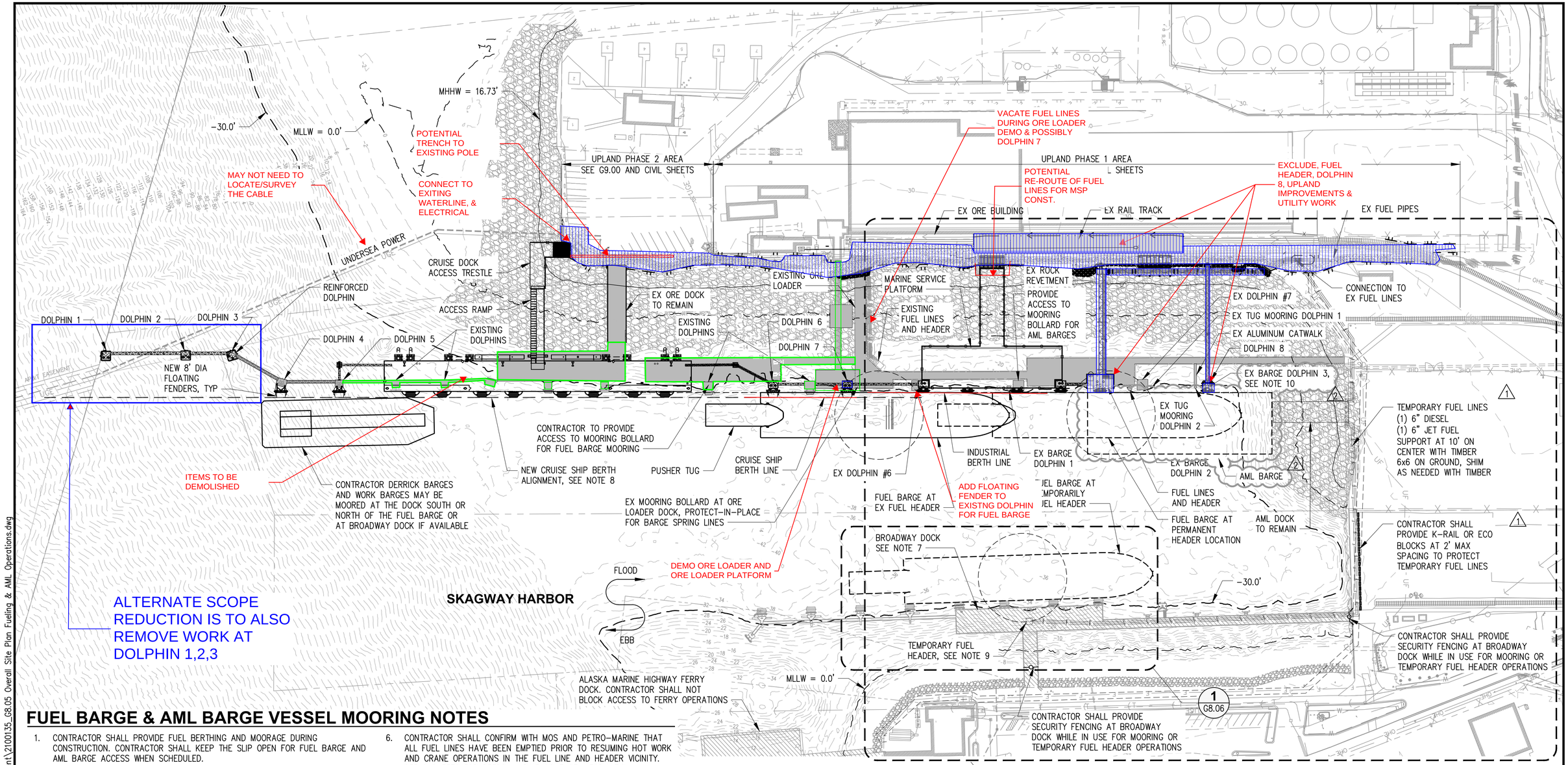
OVERALL SITE PLAN - CONSTRUCTION FUELING AND AML BARGE OPERATIONS

DRAWN: JH	PROJECT NO.: 2100135
DESIGN: ED	SCALE: AS SHOWN
CHECKED: RR	DATE: 05/04/2023
DRAWING NO.	G8.05
SHEET NO.	14 OF 374

BID SET - NOT FOR CONSTRUCTION

Plotted: Jun 02, 2023 – 11:24am dyu Layout: G8.05
M:\2021\2100135 Skagway Ore Peninsula Multi-use Dock\Drawings\Current\2100135_G8.05 Overall Site Plan Fueling & AML Operations.dwg

Concept De-Scoping Plan REV1 - 07/06/2023



FUEL BARGE & AML BARGE VESSEL MOORING NOTES

1. CONTRACTOR SHALL PROVIDE FUEL BERTHING AND MOORAGE DURING CONSTRUCTION. CONTRACTOR SHALL KEEP THE SLIP OPEN FOR FUEL BARGE AND AML BARGE ACCESS WHEN SCHEDULED.
2. FUEL BARGE IS GENERALLY EXPECTED EVERY 20 DAYS. FUEL TRANSFER DURATION IS TYPICALLY 36–48 HOURS. AML BARGES TYPICALLY LOAD WEEKLY SUNDAY–MONDAY AND CAN VARY. CONTRACTOR TO COORDINATE WITH MOS ON SCHEDULING. CONTRACTOR SHALL KEEP THE ORE BASIN OPEN FOR AML BARGE TRAFFIC WHEN SCHEDULED.
3. NO HOT WORK WILL BE ALLOWED WITHIN 300' OF THE FUEL BARGE WHILE IN PORT. NO CRANE WORK WITHIN RANGE OF THE BARGE WILL BE PERMITTED.
4. NEW AND EXISTING STRUCTURES SHOWN IN THIS VIEW, CONTRACTOR SHALL DETERMINE PHASING OF PROJECT TO ALLOW FOR FUEL BARGE OPERATIONS AND AML BARGE OPERATIONS.
5. CONTRACTOR SHALL SUBMIT FUEL BARGE MOORING AND BERTHING PLANS 3 WEEKS PRIOR TO FUEL BARGE ARRIVAL.
6. CONTRACTOR SHALL CONFIRM WITH MOS AND PETRO–MARINE THAT ALL FUEL LINES HAVE BEEN EMPTIED PRIOR TO RESUMING HOT WORK AND CRANE OPERATIONS IN THE FUEL LINE AND HEADER VICINITY. SEE G SHEETS FOR PETRO–MARINE CONTACT INFORMATION.
7. CONTRACTOR MAY MOOR VESSELS AND BARGES AT BROADWAY DOCK WITH FLOATING FENDERS REMOVED BY CONTRACTOR TO PREVENT DAMAGE. FLOATING FENDERS SHALL BE REMOVED FOR FUEL BARGE OPERATIONS.
8. NOTE EXISTING BERTH LINE AND CURRENT BERTH LINE DIFFER IN LOCATION.
9. TEMPORARY FUEL HEADER. CONTRACTOR DESIGNED, CONTRACTOR TO PROVIDE CONNECTIONS FOR FUEL LINES. SEE SHEET G8.06.
10. CONTRACTOR MAY TEMPORARILY RELOCATE THE PLUMB PILE FROM BARGE DOLPHIN 3 TO ACCOMMODATE AML BARGE BERTHING DURING CONSTRUCTION OF DOLPHIN 8. (2)

OVERALL SITE PLAN

SCALE: 1" = 80'

LEGEND

- EXISTING STRUCTURES TO BE REMOVED, SEE DEMOLITION SHEETS
- EXISTING FUEL LINES
- FUEL LINES
- SECURITY FENCE

PROJECT NORTH 45.9°

0 80 160 240

SCALE IN FEET

CONCEPT DE-SCOPING PLAN REV 01- 07/06/2023

kpff
1601 5th Avenue, Suite 1300
Seattle, Washington 98101
(206) 382-0600 Fax (206) 382-0500

5/4/2023 STATE OF ALASKA 49TH Robert H. Riley No. 11844 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	BY	REVISION
1	05/18/23	JLF	ADDENDUM 1
2	06/02/23	EJD	ADDENDUM 3

ORE PENINSULA REDEVELOPMENT
SKAGWAY, ALASKA

OVERALL SITE PLAN - CONSTRUCTION FUELING AND AML BARGE OPERATIONS

DRAWN: JH	PROJECT NO.: 2100135
DESIGN: ED	SCALE: AS SHOWN
CHECKED: RR	DATE: 05/04/2023
DRAWING NO.	G8.05
SHEET NO.	14 OF 374

BID SET - NOT FOR CONSTRUCTION

Plotted: Jun 02, 2023 – 11:24am dyu Layout: G8.05
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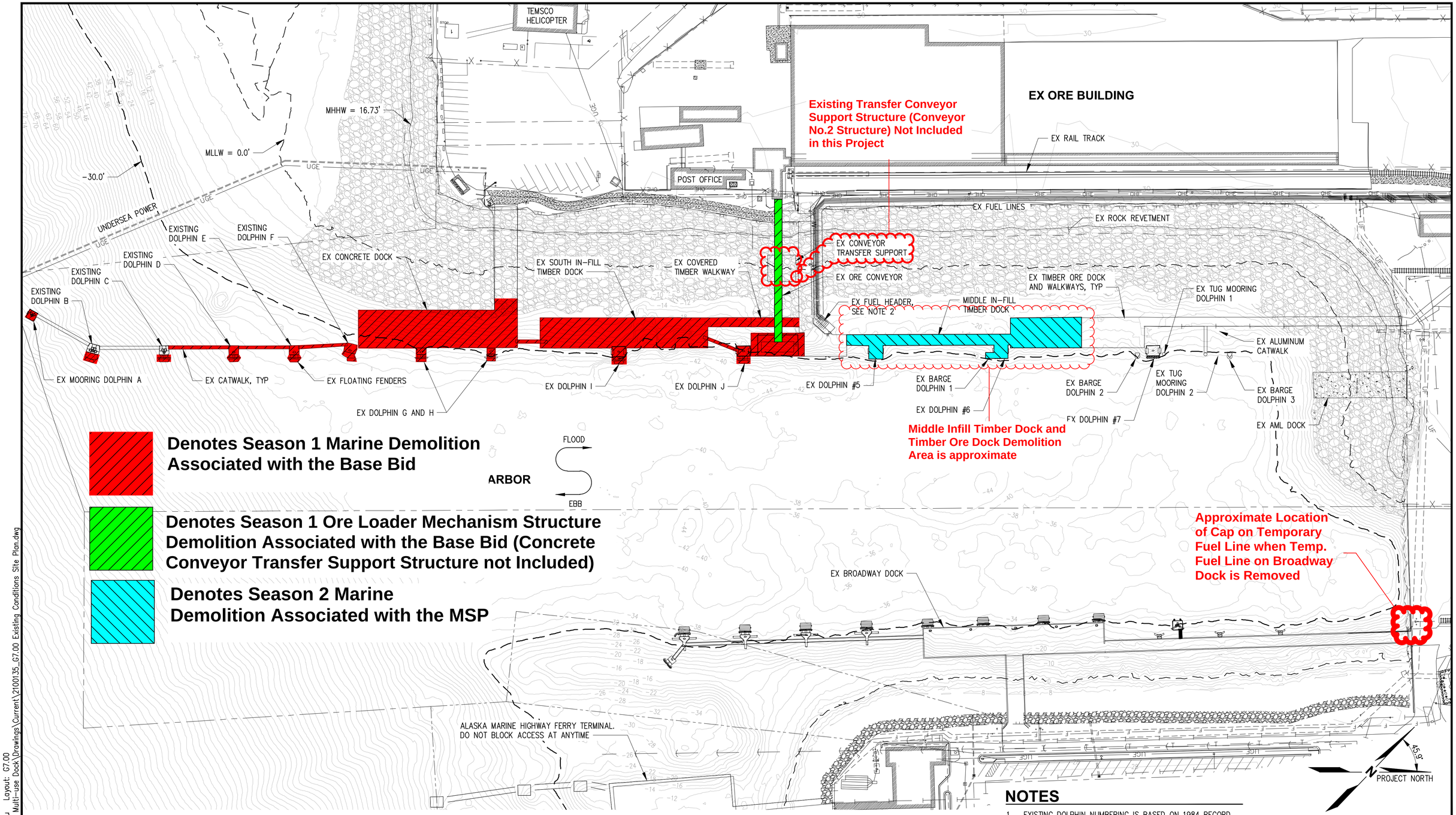
Appendix E: PPM Demolition Scope Drawing



EXISTING CONDITIONS
SCALE: 1" = 60'

NOTES

1. EXISTING DOLPHIN NUMBERING IS BASED ON 1984 RECORD DRAWING AND 1992 ORE DOCK EXPANSION RECORD DRAWING.
2. FUEL HEADER AND LINES ARE KEPT FULL. CONTRACTOR SHALL PROTECT-IN-PLACE PRIOR TO DEMOLITION.

kpff
1601 5th Avenue, Suite 1300
Seattle, Washington 98101
(206) 382-0600 Fax (206) 382-0500

5/4/2023
STATE OF ALASKA
49TH
Robert H. Riley
No. 11844
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	BY	REVISION

ORE PENINSULA REDEVELOPMENT
SKAGWAY, ALASKA

EXISTING CONDITIONS SITE

DRAWN: JH	PROJECT NO.: 2100135
DESIGN: ED	SCALE: AS SHOWN
CHECKED: RR	DATE: 05/04/2023
DRAWING NO.	G7.00
SHEET NO.	8 OF 374

BID SET - NOT FOR CONSTRUCTION

Plotted: May 08, 2023 - 11:13am dyu Layout: G7.00
M:\2021\2100135 Skagway Ore Peninsula Multi-use Dock\Drawings\Current\2100135_G7.00 Existing Conditions Site Plan.dwg

Appendix F: PPM Pile Table Markup

PILE SCHEDULE

PILE	OD [in]	WALL THK [in]	f_y [ksi]	PILE CUT-OFF ELEV [ft - MLLW]	ESTIMATED MUDLINE ELEV [ft]	DESIGN PILE TIP ELEV [ft - MLLW]	COATED LENGTH [ft]	BATTER	REQ CAP TENSION [KIPS]	REQ CAP COMPR-ESSION [KIPS]	PROVIDED OVERDRIVE LENGTH [ft]	PLUG PLATE DISTANCE FROM PILE TIP [ft]	NOTES
DOLPHIN 1													
1	48.00	1.00	50.00	25.50	-152.00	-200.00	208.00	12:1	135	22	20.00	N/A	SUPPLIED BY MOS IN SEATTLE
2	48.00	1.00	50.00	25.50	-137.00	-214.00	202.00	3:1	338	875	20.00	75.00	SUPPLIED BY MOS IN SEATTLE. SEE NOTE 9
3	48.00	1.00	50.00	25.50	-141.00	-208.00	206.00	3:1	-	801	20.00	65.00	SUPPLIED BY MOS IN SEATTLE. SEE NOTE 9
4	48.00	1.00	50.00	25.50	-154.00	-236.00	220.00	3:1	-	1232	20.00	81.00	SUPPLIED BY MOS IN SEATTLE. SEE NOTE 9
5	48.00	1.00	50.00	25.50	-155.00	-240.00	226.00	3:1	-	1164	20.00	79.00	SUPPLIED BY MOS IN SEATTLE. SEE NOTE 9
6	48.00	1.00	50.00	25.50	-157.00	-258.00	223.00	3:1	680	428	20.00	N/A	SUPPLIED BY MOS IN SEATTLE. SEE NOTE 9
DOLPHIN 2													
7	42.00	1.00	50.00	25.50	-121.00	-163.00	177.00	N/A	79	62	20.00	N/A	SUPPLIED BY MOS IN SEATTLE
8	42.00	1.00	50.00	25.50	-109.00	-210.00	168.00	3:1	914	891	20.00	N/A	SUPPLIED BY MOS IN SEATTLE. SEE NOTE 9
9	42.00	1.00	50.00	25.50	-113.00	-171.00	177.00	3:1	35	718	20.00	55.00	SUPPLIED BY MOS IN SEATTLE. SEE NOTE 9
10	42.00	1.00	50.00	25.50	-127.00	-227.00	193.00	3:1	-	1559	20.00	99.00	SUPPLIED BY MOS IN SEATTLE. SEE NOTE 9
11	42.00	1.00	50.00	25.50	-137.00	-192.00	202.00	3:1	27	672	20.00	53.00	SUPPLIED BY MOS IN SEATTLE. SEE NOTE 9
12	48.00	1.00	50.00	25.50	-131.00	-238.00	195.00	3:1	925	485	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY. SEE NOTE 9
DOLPHIN 3													
13	42.00	1.00	50.00	25.50	-88.00	-164.00	150.00	3:1	341	151	20.00	N/A	SUPPLIED BY MOS IN SEATTLE
14	42.00	1.00	50.00	25.50	-89.00	-166.00	152.00	3:1	356	833	20.00	75.00	SUPPLIED BY MOS IN SEATTLE
15	42.00	1.00	50.00	25.50	-102.00	-179.00	165.00	3:1	-	782	20.00	75.00	SUPPLIED BY MOS IN SEATTLE
16	42.00	1.00	50.00	25.50	-115.00	-191.00	178.00	3:1	-	694	20.00	75.00	SUPPLIED BY MOS IN SEATTLE
17	42.00	1.00	50.00	25.50	-115.00	-191.00	178.00	3:1	235	590	20.00	75.00	SUPPLIED BY MOS IN SEATTLE
CRUISE DOCK FLOAT GUIDE PILES													
18	36.00	1.00	50.00	41.50	-36.00	-109.00	100.00	4:1	40	720	10.00	70.00	SUPPLIED BY MOS IN SEATTLE
19	36.00	1.00	50.00	41.50	-36.00	-109.00	100.00	4:1	40	720	10.00	70.00	SUPPLIED BY MOS IN SEATTLE
20	36.00	1.00	50.00	41.50	-17.00	-95.00	81.00	4:1	40	720	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
21	36.00	1.00	50.00	41.50	-17.00	-95.00	81.00	4:1	40	720	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
22	36.00	1.00	50.00	42.50	-40.00	-138.00	103.00	N/A	710	760	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY. PDA TEST REQUIRED
23	36.00	1.00	50.00	42.50	-40.00	-138.00	103.00	N/A	710	760	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
24	36.00	1.00	50.00	42.50	-35.00	-133.00	98.00	N/A	710	760	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
25	36.00	1.00	50.00	42.50	-32.00	-130.00	95.00	N/A	710	760	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
26	36.00	1.00	50.00	42.50	-24.00	-122.00	87.00	N/A	710	760	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
27	36.00	1.00	50.00	42.50	-24.00	-122.00	87.00	N/A	710	760	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
28	36.00	1.00	50.00	42.50	-24.00	-122.00	87.00	N/A	710	760	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
29	36.00	1.00	50.00	42.50	-24.00	-123.00	87.00	N/A	710	760	10.00	N/A	SUPPLIED BY MOS IN SEATTLE. PDA TEST REQUIRED
30	24.00	0.50	50.00	44.00	-7.00	-89.00	71.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
31	24.00	0.50	50.00	44.00	-7.00	-89.00	71.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
CRUISE DOCK TRESTLE PILES													
32	24.00	0.75	50.00	25.83	13.00	-77.00	33.00	N/A	-	290	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
33	24.00	0.75	50.00	25.83	18.00	-72.00	28.00	N/A	-	351	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
34	24.00	0.75	50.00	25.83	24.00	-67.00	23.00	N/A	-	267	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
35	24.00	0.75	50.00	25.83	12.00	-78.00	34.00	N/A	-	350	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
36	24.00	0.75	50.00	25.83	17.00	-74.00	30.00	N/A	-	414	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
37	24.00	0.75	50.00	25.83	22.00	-68.00	24.00	N/A	-	274	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
38	24.00	0.75	50.00	25.83	11.00	-79.00	35.00	N/A	-	349	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
39	24.00	0.75	50.00	25.83	15.00	-75.00	31.00	N/A	-	365	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
40	24.00	0.75	50.00	23.52	10.00	-81.00	34.00	N/A	-	348	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
41	24.00	0.75	50.00	23.52	12.00	-78.00	32.00	N/A	-	358	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY. PDA TEST REQUIRED
42	24.00	0.75	50.00	23.52	8.00	-73.00	36.00	N/A	-	642	10.00	75.00	SUPPLIED BY MOS IN SEATTLE
43	24.00	0.75	50.00	23.52	9.00	-72.00	36.00	N/A	-	634	10.00	75.00	SUPPLIED BY MOS IN SEATTLE. PDA TEST REQUIRED
DOLPHIN 6													
48	36.00	1.00	50.00	26.00	-30.00	-132.00	89.00	3:1	790	350	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
49	36.00	1.00	50.00	26.00	-30.00	-132.00	89.00	3:1	728	28	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
50	36.00	1.00	50.00	26.00	-30.00	-132.00	89.00	3:1	790	350	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
51	36.00	1.00	50.00	24.00	-41.00	-132.00	99.00	3:1	612	826	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
52	36.00	1.00	50.00	24.00	-41.00	-132.00	99.00	3:1	612	826	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
53	36.00	1.00	50.00	24.00	-41.00	-116.00	97.00	6:1	412	686	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
54	36.00	1.00	50.00	24.00	-41.00	-116.00	97.00	6:1	412	686	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
55	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
56	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
57	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE

PILE SCHEDULE

PILE	OD [in]	WALL THK [in]	f_y [ksi]	PILE CUT-OFF ELEV [ft - MLLW]	ESTIMATED MUDLINE ELEV [ft]	DESIGN PILE TIP ELEV [ft - MLLW]	COATED LENGTH [ft]	BATTER	REQ CAP TENSION [KIPS]	REQ CAP COMPR-ESSION [KIPS]	PROVIDED OVERDRIVE LENGTH [ft]	PLUG PLATE DISTANCE FROM PILE TIP [ft]	NOTES
DOLPHIN 7													
58	36.00	1.00	50.00	26.00	-30.00	-132.00	89.00	3:1	790	350	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY. SEE NOTE 9
59	36.00	1.00	50.00	26.00	-30.00	-132.00	89.00	3:1	728	28	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY. SEE NOTE 9
60	36.00	1.00	50.00	26.00	-30.00	-132.00	89.00	3:1	790	350	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY. SEE NOTE 9
61	36.00	1.00	50.00	24.00	-41.00	-132.00	99.00	3:1	612	826	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY. SEE NOTE 9
62	36.00	1.00	50.00	24.00	-41.00	-132.00	99.00	3:1	612	826	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY. SEE NOTE 9
63	36.00	1.00	50.00	24.00	-41.00	-116.00	97.00	6:1	412	686	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY. SEE NOTE 9
64	36.00	1.00	50.00	24.00	-41.00	-116.00	97.00	6:1	412	686	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY. SEE NOTE 9
65	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
66	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
67	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
DOLPHIN 8													
68	36.00	1.00	50.00	26.00	-30.00	-87.00	89.00	3:1	176	676	20.00	55.00	SEE NOTE 9
69	36.00	1.00	50.00	26.00	-30.00	-87.00	89.00	3:1	176	676	20.00	55.00	SEE NOTE 9
70	36.00	1.00	50.00	24.00	-41.00	-123.00	99.00	3:1	524	508	20.00	80.00	SEE NOTE 9
71	36.00	1.00	50.00	24.00	-41.00	-122.00	96.00	N/A	428	738	20.00	75.00	
72	36.00	1.00	50.00	24.00	-41.00	-123.00	99.00	3:1	524	508	20.00	80.00	SEE NOTE 9
73	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
74	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
75	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
FUEL HEADER, BRIDGE, PLATFORM, AND ON-SHORE FUEL LINE SUPPORTS													
76	24.00	0.75	50.00	29.00	-28.00	-98.00	77.00	N/A	-	-	10.00	N/A	
77	24.00	0.75	50.00	29.00	-28.00	-98.00	77.00	N/A	-	-	10.00	N/A	
78	24.00	0.75	50.00	29.00	-28.00	-98.00	77.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
79	36.00	1.00	50.00	26.00	-26.00	-125.00	85.00	3:1	208	702	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY. PDA TEST REQUIRED
80	36.00	1.00	50.00	26.00	-26.00	-125.00	85.00	3:1	218	698	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
81	36.00	1.00	50.00	26.00	-28.00	-129.00	87.00	3:1	512	394	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
82	36.00	1.00	50.00	26.00	-28.00	-129.00	84.00	N/A	462	348	20.00	N/A	
83	36.00	1.00	50.00	26.00	-28.00	-129.00	87.00	3:1	368	482	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
84	36.00	0.75	50.00	26.94	-26.00	-101.00	73.00	N/A	114	268	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
85	36.00	0.75	50.00	26.94	-26.00	-101.00	73.00	N/A	118	272	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
86	36.00	0.75	50.00	26.94	-6.00	-83.00	53.00	N/A	82	338	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
87	36.00	0.75	50.00	26.94	-6.00	-83.00	53.00	N/A	-	352	10.00	N/A	
88	24.00	0.75	50.00	26.98	22.00	-48.00	25.00	N/A	28	230	10.00	N/A	
89	24.00	0.75	50.00	26.98	22.00	-48.00	25.00	N/A	100	144	10.00	N/A	
90	24.00	0.75	50.00	26.98	22.00	-48.00	25.00	N/A	-	244	10.00	N/A	
91	24.00	0.75	50.00	26.98	22.00	-48.00	25.00	N/A	44	166	10.00	N/A	
92	24.00	0.75	50.00	26.40	22.00	-48.00	25.00	N/A	-	74	10.00	N/A	
93	24.00	0.75	50.00	23.90	22.00	-48.00	22.00	N/A	-	74	10.00	N/A	
94	24.00	0.75	50.00	23.90	22.00	-48.00	22.00	N/A	-	74	10.00	N/A	
95	24.00	0.75	50.00	26.40	22.00	-48.00	25.00	N/A	-	74	10.00	N/A	
96	24.00	0.75	50.00	26.40	22.00	-48.00	25.00	N/A	-	74	10.00	N/A	
97	24.00	0.75	50.00	26.40	22.00	-48.00	25.00	N/A	-	74	10.00	N/A	
98	24.00	0.75	50.00	26.40	22.00	-48.00	25.00	N/A	-	74	10.00	N/A	
99	24.00	0.75	50.00	27.90	22.00	-48.00	26.00	N/A	-	74	10.00	N/A	
CATWALK SUPPORTS													
100	30.00	0.75	50.00	26.70	-55.00	-117.00	102.00	N/A	230	280	10.00	N/A	
101	30.00	0.75	50.00	26.70	-55.00	-117.00	102.00	N/A	230	280	10.00	N/A	
102	30.00	0.75	50.00	26.70	-23.00	-85.00	70.00	N/A	230	280	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
103	30.00	0.75	50.00	26.70	-23.00	-85.00	70.00	N/A	230	280	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
104	30.00	0.75	50.00	26.70	-23.00	-85.00	70.00	N/A	-	42	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
105	30.00	0.75	50.00	26.70	-23.00	-85.00	70.00	N/A	-	42	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
DOLPHIN 4 FENDER PILES													
106	30.00	1.00	50.00	29.00	-92.00	-162.00	141.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
107	30.00	1.00	50.00	29.00	-91.00	-161.00	140.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
108	30.00	1.00	50.00	29.00	-90.00	-160.00	139.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
DOLPHIN 5 FENDER PILES													
109	30.00	1.00	50.00	29.00	-66.00	-136.00	115.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
110	30.00	1.00	50.00	29.00	-64.00	-134.00	113.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE
111	30.00	1.00	50.00	29.00	-62.00	-132.00	111.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SEATTLE

Piles to be installed in new scope

~~Piles not included in new scope~~

NOTES

1. MOS HAS PRE-PROCURED SELECT PILES AS NOTED ON THE TABLE. ALL OTHER PILES TO BE PROCURED BY THE CONTRACTOR. FOR ALL PILES TO BE INSTALLED PLUS:
   - MOS PROCURED PILES INCLUDE A MINIMUM OF 10 ADDITIONAL FEET PER PILE FOR CUTOFF/OVERDRIVE AND FIT-UP WITH DRIVING HAMMER.
2. CONTRACTOR SHALL INCLUDE PILE DRIVING TO DESIGN TIP PLUS 10 FEET IN BASE BID.
3. IT IS ESTIMATED THAT EMBEDDED LENGTH OF PILES INTO THE SOILS COULD REQUIRE ADDITIONAL EMBEDDED LENGTH TO ACHIEVE REQUIRED CAPACITIES. PILES THAT ARE REQUIRED TO BE DRIVEN FURTHER THAN 10 FEET BEYOND THE ESTIMATED PILE TIP AS DIRECTED BY THE ENGINEER SHALL BE PAYABLE PER LINEAR FOOT AS DESCRIBED IN THE PROJECT SPECIFICATIONS.
4. MOS SUPPLIED PILE LENGTHS ARE LISTED IN THE SPECIFICATIONS APPENDIX. THE CONTRACTOR SHALL SPLICE PILES TO THE DESIRED LENGTHS FOR DRIVING AND HANDLING. ADDITIONAL PILE SPLICING AS REQUIRED FOR OVER DRIVE ALLOWANCE IS INCIDENTAL TO THE FORCE ACCOUNT PILE DRIVING ITEMS.
5. PILES SHALL BE STORED, SHIPPED AND DELIVERED BY SUPPLIER. AT ALL TIMES PILES SHALL BE STORED WITH CRIBBING TO PREVENT TO DAMAGE COATINGS OR ROLLING OF THE PILES.
6. MOS SHALL INSPECT COATINGS AFTER DELIVERY. IF COATING DAMAGE IS FOUND, CONTRACTOR SHALL REPAIR AT NO ADDITIONAL COST TO MOS.
7. DEFINED REQUIRED TENSION AND COMPRESSION CAPACITIES ARE ULTIMATE VALUES AND ARE NOT FACTORED.
8. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS
9. CONTRACTOR SHALL PERFORM PDA TESTING ON THE FIRST PILE DRIVEN OF THE DOLPHIN. (EXCLUDING PILE 1 PF DOLPHIN 1, PILE 7 OF DOLPHIN 2, AND PILE 71 OF DOLPHIN 8). A TOTAL OF 12 PDA (8 IN BASE BID 3 IN MSP ADDITIVE ALTERNATE 1) TEST ARE REQUIRED AMONG ALL THE STRUCTURES.
10. NOTE THAT PILES SUPPLIED BY MOS IN SKAGWAY MAY BE LONGER THAN THE REQUIRED LENGTH. SEE PRE-PROCUREMENT PILE LIST IN SPECIFICATION APPENDIX.

kpff
1601 5th Avenue, Suite 1300
Seattle, Washington 98101
(206) 382-0600 Fax (206) 382-0500

5/4/2023 STATE OF ALASKA 49 TH Robert H. Riley No. 11844 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	BY	REVISION
2	05/25/23	KPT	ADDENDUM 2
3	06/02/23	AER	ADDENDUM 3
4	06/09/23	EJD	ADDENDUM 8
5	06/13/23	EJD	ADDENDUM 10
6	06/15/23	KPT	ADDENDUM 11

ORE PENINSULA REDEVELOPMENT
SKAGWAY, ALASKA

GENERAL PILE SCHEDULE

DRAWN:	JH	PROJECT NO.:	2100135
DESIGN:	ED	SCALE:	AS SHOWN
CHECKED:	RR	DATE:	05/04/2023
DRAWING NO.		**S9.00**	
SHEET NO.		**251** OF **374**	

BID SET - NOT FOR CONSTRUCTION

Plotted: Jun 14, 2023 - 5:45pm dyu Layout: S9.00
M:\2021\2100135 Skagway Ore Peninsula Multi-use Dock\Drawings\Current\2100135_S9.00 General Pile Schedule.dwg

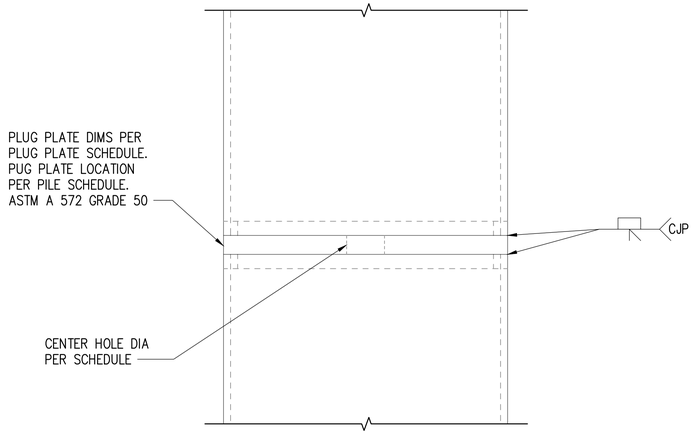
PILE SCHEDULE

PILE	GRID	GRID	OD [in]	WALL THK [in]	f_y [ksi]	PILE CUT-OFF ELEV [ft - MLLW]	ESTIMATED MUDLINE ELEV [ft]	DESIGN PILE TIP ELEV [ft - MLLW]	COATED LENGTH [ft]	BATTER	REQ CAP TENSION [KIPS]	REQ CAP COMPR-ESSION [KIPS]	PROVIDED OVERDRIVE LENGTH [ft]	PLUG PLATE DISTANCE FROM PILE TIP [ft]	NOTES
RORO TRESTLE															
R001	A	1	24.00	0.75	50.00	26.67	26.00	-44.00	21.00	N/A	104	728	10.00	65.00	
R002	A	2	24.00	0.75	50.00	26.67	26.00	-44.00	21.00	N/A	104	728	10.00	65.00	
R003	A	3	24.00	0.75	50.00	26.67	26.00	-44.00	21.00	N/A	104	728	10.00	65.00	
R004	A	4	24.00	0.75	50.00	26.67	26.00	-44.00	21.00	N/A	104	728	10.00	65.00	
R005	B	1	24.00	0.75	50.00	27.58	27.00	-63.00	21.00	N/A	104	728	10.00	85.00	
R006	B	2	24.00	0.75	50.00	27.58	27.00	-63.00	21.00	N/A	104	728	10.00	85.00	
R007	B	3	24.00	0.75	50.00	27.58	27.00	-63.00	21.00	N/A	104	728	10.00	85.00	
R008	B	4	24.00	0.75	50.00	27.58	27.00	-63.00	21.00	N/A	104	728	10.00	85.00	
R009	C	1	24.00	0.75	50.00	27.48	22.00	-68.00	26.00	N/A	56	664	10.00	85.00	
R010	C	2	24.00	0.75	50.00	27.48	22.00	-68.00	26.00	N/A	56	664	10.00	85.00	
R011	C	3	24.00	0.75	50.00	27.48	22.00	-68.00	26.00	N/A	56	664	10.00	85.00	
R012	C	4	24.00	0.75	50.00	27.48	22.00	-68.00	26.00	N/A	56	664	10.00	85.00	

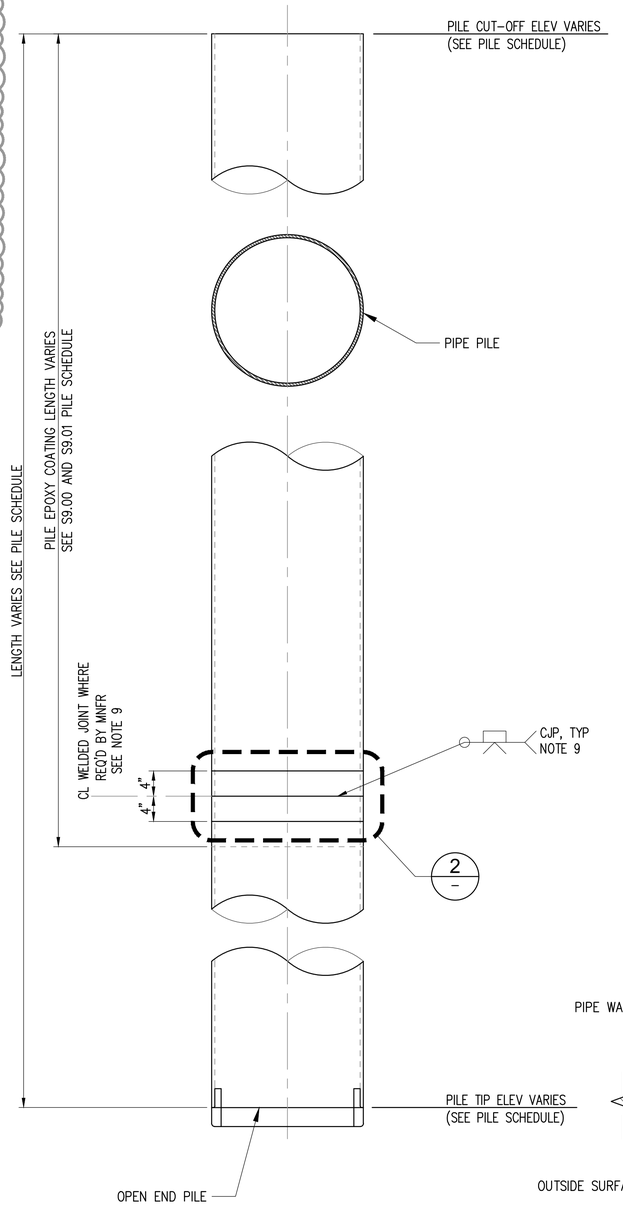
Piles to be installed in new scope

PILE															
PLATE THICKNESS - T (in)			2.00		2.00		2.00		2.50		2.50				

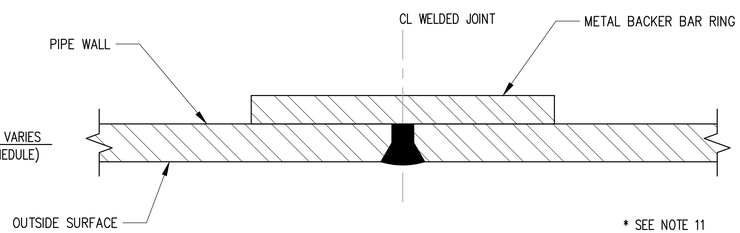
Piles not included in new scope



3 – **PLUG PLATE DETAIL**
SCALE: NTS



1 – **STEEL PILE DETAIL**
SCALE: 1" = 1'-0"



2 – **ALTERNATE CJP TUBULAR BUTT JOINT**
SCALE: 1:1

NOTES

2. CONTRACTOR SHALL INCLUDE PILE DRIVING TO DESIGN TIP PLUS 10 FEET IN BASE BID.
3. IT IS ESTIMATED THAT EMBEDDED LENGTH OF PILES INTO THE SOILS COULD REQUIRE ADDITIONAL EMBEDDED LENGTH TO ACHIEVE REQUIRED CAPACITIES. PILES THAT ARE REQUIRED TO BE DRIVEN FURTHER THAN 10 FEET BEYOND THE ESTIMATED PILE TIP AS DIRECTED BY THE ENGINEER SHALL BE PAYABLE PER LINEAR FOOT AS DESCRIBED IN THE PROJECT SPECIFICATIONS.
4. MOS SUPPLIED PILE LENGTHS ARE LISTED IN THE SPECIFICATIONS APPENDIX. THE CONTRACTOR SHALL SPLICE PILES TO THE DESIRED LENGTHS FOR DRIVING AND HANDLING. ADDITIONAL PILE SPLICING AS REQUIRED FOR OVER DRIVE ALLOWANCE IS INCIDENTAL TO THE FORCE ACCOUNT PILE DRIVING ITEMS.
5. PILES SHALL BE STORED, SHIPPED AND DELIVERED BY SUPPLIER. AT ALL TIMES PILES SHALL BE STORED WITH CRIBBING TO PREVENT TO DAMAGE COATINGS OR ROLLING OF THE PILES.
6. MOS SHALL INSPECT COATINGS AFTER DELIVERY. IF COATING DAMAGE IS FOUND, CONTRACTOR SHALL REPAIR AT NO ADDITIONAL COST TO MOS.
7. DEFINED REQUIRED TENSION AND COMPRESSION CAPACITIES ARE ULTIMATE VALUES AND ARE NOT FACTORED.
8. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
9. WELDING SHALL CONFORM TO "STRUCTURAL WELDING CODE – STEEL", AWS D1.1.
10. HOLD BACK OR REMOVE EPOXY COATING FROM CENTERLINE WELDED JOINT ON INSIDE AND OUTSIDE OF PIPE BEFORE WELDING. AFTER JOINT IS WELDED, APPLY EPOXY COATINGS PER SPECIFICATIONS FOR REPAIR OF PILE GALVANIZED COATING.
11. MANUFACTURER MAY USE THE ALTERNATE CJP TUBULAR BUTT JOINT. SEE DETAIL 2 ON THIS SHEET. ALL CJP TUBULAR BUTT JOINTS SHALL HAVE A WPS QUALIFIED IN ACCORDANCE WITH AWS D1.1 SECTION 4.
12. NOTE THAT PILES SUPPLIED BY MOS IN SKAGWAY MAY BE LONGER THAN THE REQUIRED LENGTH. SEE PRE-PROCUREMENT PILE LIST IN SPECIFICATION APPENDIX.

kpff
1601 5th Avenue, Suite 1300
Seattle, Washington 98101
(206) 382-0600 Fax (206) 382-0500

5/4/2023 STATE OF ALASKA 49TH Robert H. Riley No. 11844 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	BY	REVISION
2	05/25/23	KPT	ADDENDUM 2

ORE PENINSULA REDEVELOPMENT
SKAGWAY, ALASKA

GENERAL PILE SCHEDULE

DRAWN: JH	PROJECT NO.: 2100135
DESIGN: ED	SCALE: AS SHOWN
CHECKED: RR	DATE: 05/04/2023
DRAWING NO.	**S9.01**
SHEET NO.	**252** OF **374**

BID SET - NOT FOR CONSTRUCTION

Plotted: May 25, 2023 – 5:52pm dyu Layout: S9.01
M:\2021\2100135 Skagway Ore Peninsula Multi-use Dock\Drawings\Current\2100135_S9.01 General Pile Schedule.dwg

PILE SCHEDULE

PILE	GRID	SHEET	OD (in)	WALL THK (in)	f_y (ksi)	PILE CUT-OFF ELEV (ft MLLW)	ESTIMATED MUDLINE ELEV (ft MLLW)	DESIGN PILE TIP ELEV (ft MLLW)	COATED LENGTH (ft)		REQ CAP TENSION (kips)	REQ CAP COMPR-ESSION (kips)	PROVIDED OVERDRIVE LENGTH (ft)	PLUG PLATE DISTANCE FROM PILE TIP (ft)	NOTES
MARINE SERVICE PLATFORM															
M001	A'	7	24.00	0.75	50.00	25.73	25.00	-40.00	21.00	N/A	-	540	10.00	60.00	
M002	A'	8	24.00	0.75	50.00	25.73	25.00	-40.00	21.00	N/A	-	540	10.00	60.00	
M003	A'	9	24.00	0.75	50.00	25.73	25.00	-40.00	21.00	N/A	-	540	10.00	60.00	
M004	A	7	24.00	0.75	50.00	25.66	26.00	-85.00	20.00	N/A	-	847	10.00	105.00	
M005	A	8	24.00	0.75	50.00	25.66	26.00	-85.00	20.00	N/A	-	847	10.00	105.00	
M006	A	9	24.00	0.75	50.00	25.66	26.00	-85.00	20.00	N/A	-	847	10.00	105.00	
M007	B	7	24.00	0.75	50.00	25.50	20.00	-81.00	26.00	N/A	-	751	10.00	95.00	
M008	B	8	24.00	0.75	50.00	25.50	20.00	-81.00	26.00	N/A	-	751	10.00	95.00	
M009	B	9	24.00	0.75	50.00	25.50	20.00	-81.00	26.00	N/A	-	751	10.00	95.00	
M010	C	7	24.00	0.75	50.00	25.34	14.00	-86.00	32.00	N/A	-	751	10.00	95.00	
M011	C	8	24.00	0.75	50.00	25.34	14.00	-86.00	32.00	N/A	-	751	10.00	95.00	
M012	C	9	24.00	0.75	50.00	25.34	14.00	-86.00	32.00	N/A	-	751	10.00	95.00	
M013	D	7	24.00	0.75	50.00	25.18	8.00	-92.00	37.00	N/A	-	761	10.00	95.00	
M014	D	8	24.00	0.75	50.00	25.18	8.00	-92.00	37.00	N/A	-	761	10.00	95.00	
M015	D	9	24.00	0.75	50.00	25.18	8.00	-92.00	37.00	N/A	-	761	10.00	95.00	
M016	E	7	24.00	0.75	50.00	25.02	3.00	-101.00	42.00	N/A	-	752	10.00	99.00	
M017	E	8	24.00	0.75	50.00	25.02	3.00	-101.00	42.00	N/A	-	752	10.00	99.00	PDA TESTING REQUIRED
M018	E	9	24.00	0.75	50.00	25.02	3.00	-101.00	42.00	N/A	-	752	10.00	99.00	
M019	F	7	24.00	0.75	50.00	24.86	-3.00	-107.00	48.00	N/A	-	760	10.00	99.00	
M020	F	8	24.00	0.75	50.00	24.86	-3.00	-107.00	48.00	N/A	-	760	10.00	99.00	
M021	F	9	24.00	0.75	50.00	24.86	-3.00	-107.00	48.00	N/A	-	760	10.00	99.00	
M022	G	7	24.00	0.75	50.00	24.70	-7.00	-111.00	52.00	N/A	-	768	10.00	99.00	
M023	G	8	24.00	0.75	50.00	24.70	-7.00	-111.00	52.00	N/A	-	768	10.00	99.00	
M024	G	9	24.00	0.75	50.00	24.70	-7.00	-111.00	52.00	N/A	-	768	10.00	99.00	
M025	H	7	24.00	0.75	50.00	24.54	-12.00	-128.00	57.00	N/A	-	740	10.00	111.00	
M026	H	8	24.00	0.75	50.00	24.54	-12.00	-128.00	57.00	N/A	-	740	10.00	111.00	
M027	H	9	24.00	0.75	50.00	24.54	-12.00	-128.00	57.00	N/A	-	740	10.00	111.00	
M028	I	1	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M029	I	2	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M030	I	3	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M031	I	4	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M032	I	5	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M033	I	6	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M034	I	7	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M035	I	8	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M036	I	9	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M037	I	10	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M038	I	11	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M039	I	12	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M040	I	13	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M041	I	14	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	
M042	I	15	24.00	0.75	50.00	24.42	-15.00	-132.00	60.00	N/A	-	751	10.00	111.00	PDA TESTING REQUIRED
M043	J	1	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M044	J	2	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M045	J	3	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M046	J	4	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M047	J	5	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M048	J	6	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M049	J	7	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M050	J	8	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M051	J	9	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M052	J	10	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M053	J	11	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M054	J	12	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M055	J	13	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M056	J	14	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M057	J	15	24.00	0.75	50.00	24.58	-19.00	-136.00	64.00	N/A	-	797	10.00	111.00	
M058	K	1	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M059	K	2	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M060	K	3	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M061	K	4	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M062	K	5	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M063	K	6	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M064	K	7	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M065	K	8	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M066	K	9	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M067	K	10	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M068	K	11	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M069	K	12	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M070	K	13	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M071	K	14	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M072	K	15	24.00	0.75	50.00	24.74	-22.00	-158.00	67.00	N/A	-	772	10.00	131.00	
M073	L	1	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M074	L	2	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M075	L	3	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M076	L	4	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M077	L	5	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M078	L	6	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M079	L	7	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M080	L	8	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M081	L	9	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M082	L	10	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M083	L	11	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M084	L	12	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M085	L	13	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M086	L	14	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M087	L	15	24.00	0.75	50.00	24.90	-25.00	-161.00	70.00	N/A	-	796	10.00	131.00	
M088	M	2	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	PDA TESTING REQUIRED
M089	M	3	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	
M090	M	4	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	
M091	M	5	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	
M092	M	6	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	
M093	M	7	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	
M094	M	8	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	
M095	M	9	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	
M096	M	10	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	
M097	M	11	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	
M098	M	12	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	
M099	M	13	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	
M100	M	14	24.00	0.75	50.00	25.06	-31.00	-168.00	77.00	N/A	-	646	10.00	131.00	
MSP FENDER PILES															
M101	-	-	24.00	0.75	50.00	29.00	-32.00	-88.00	81.00	N/A	440	475	10.00	N/A	
M102	-	-	24.00	0.75	50.00	29.00	-32.00	-88.00	81.00	N/A	440	475	10.00	N/A	
M103	-	-	24.00	0.75	50.00	29.00	-32.00	-88.00	81.00	N/A	440	475	10.00	N/A	
M104	-	-	24.00	0.75	50.00	29.00	-32.00	-88.00	81.00	N/A	440	475	10.00	N/A	
M105	-	-	24.00	0.75	50.00	29.00	-32.00	-88.00	81.00	N/A	440	475	10.00	N/A	
M106	-	-	24.00	0.75	50.00	29.00	-32.00	-88.00	81.00	N/A	440	475	10.00	N/A	
MSP DOLPHIN S1															
M107	-	-	36.00	1.00	50.00	26.00	-30.00	-84.00	93.00	2:1	208	524	20.00	55.00	
M108	-	-	36.00	1.00	50.00	26.00	-30.00	-84.00	93.00	2:1	208	524	20.00	55.00	
M109	-	-	36.00	1.00	50.00	24.00	-41.00	-127.00	99.00	3:1	582	614	20.00	N/A	
M110	-	-	36.00	1.00	50.00	24.00	-41.00	-143.00	96.00	N/A	740	418	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
M111	-	-	36.00	1.00	50.00	24.00	-41.00	-127.00	99.00	3:1	582	614	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
M112	-	-	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
M113	-	-	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
M114	-	-	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY
MSP DOLPHIN N1															
M115	-	-	36.00	1.00	50.00	26.00	-30.00	-84.00	93.00	2:1	208	524	20.00	55.00	
M116	-	-	36.00	1.00	50.00	26.00	-30.00	-84.00	93.00	2:1	208	524	20.00	55.00	
M117	-	-	36.00	1.00	50.00	24.00	-41.00	-127.00	99.00	3:1	582	614	20.00	N/A	
M118	-	-	36.00	1.00	50.00	24.00	-41.00	-143.00	96.00	N/A	740	418	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
M119	-	-	36.00	1.00	50.00	24.00	-41.00	-127.00	99.00	3:1	582	614	20.00	N/A	SUPPLIED BY MOS IN SKAGWAY
M120	-	-	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	
M121	-	-	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	
M122	-	-	24.00	0.75	50.00	29.00	-45.00	-101.00	94.00	N/A	-	-	10.00	N/A	SUPPLIED BY MOS IN SKAGWAY

NOTES

1. MOS HAS PRE-PROCURED SELECT PILES AS NOTED ON THE TABLE. ALL OTHER PILES TO BE PROCURED BY THE CONTRACTOR. FOR ALL PILES TO BE INSTALLED PLUS:
   - MOS PROCURED PILES INCLUDE A MINIMUM OF 10 ADDITIONAL FEET PER PILE FOR CUTOFF/OVERDRIVE AND FIT-UP WITH DRIVING HAMMER.
2. CONTRACTOR SHALL INCLUDE PILE DRIVING TO DESIGN TIP PLUS 10 FEET IN BASE BID.
3. IT IS ESTIMATED THAT EMBEDDED LENGTH OF PILES INTO THE SOILS COULD REQUIRE ADDITIONAL EMBEDDED LENGTH TO ACHIEVE REQUIRED CAPACITIES. PILES THAT ARE REQUIRED TO BE DRIVEN FURTHER THAN 10 FEET BEYOND THE ESTIMATED PILE TIP AS DIRECTED BY THE ENGINEER SHALL BE PAYABLE PER LINEAR FOOT AS DESCRIBED IN THE PROJECT SPECIFICATIONS.
4. MOS SUPPLIED PILE LENGTHS ARE LISTED IN THE SPECIFICATIONS APPENDIX. THE CONTRACTOR SHALL SPLICE PILES TO THE DESIRED LENGTHS FOR DRIVING AND HANDLING. ADDITIONAL PILE SPLICING AS REQUIRED FOR OVER DRIVE ALLOWANCE IS INCIDENTAL TO THE FORCE ACCOUNT PILE DRIVING ITEMS.
5. PILES SHALL BE STORED, SHIPPED AND DELIVERED BY SUPPLIER. AT ALL TIMES PILES SHALL BE STORED WITH CRIBBING TO PREVENT TO DAMAGE COATINGS OR ROLLING OF THE PILES.
6. MOS SHALL INSPECT COATINGS AFTER DELIVERY. IF COATING DAMAGE IS FOUND, CONTRACTOR SHALL REPAIR AT NO ADDITIONAL COST TO MOS.
7. DEFINED REQUIRED TENSION AND COMPRESSION CAPACITIES ARE ULTIMATE VALUES AND ARE NOT FACTORED.
8. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
9. NOTE THAT PILES SUPPLIED BY MOS IN SKAGWAY MAY BE LONGER THAN THE REQUIRED LENGTH. SEE PRE-PROCUREMENT PILE LIST IN SPECIFICATION APPENDIX.

Piles to be installed in new scope

~~Piles not included in new scope~~

kpff
1601 5th Avenue, Suite 1300
Seattle, Washington 98101
(206) 382-0600 Fax (206) 382-0500

STATE OF ALASKA 49 TH — Robert H. Riley No. 11844 — REGISTERED PROFESSIONAL ENGINEER — 5/4/2023

NO.	DATE	BY	REVISION
2	05/25/23	KPT	ADDENDUM 2
3	06/02/23	KPT	ADDENDUM 3
4	06/13/23	EJD	ADDENDUM 10

ORE PENINSULA REDEVELOPMENT
SKAGWAY, ALASKA

MARINE SERVICE PLATFORM
PILE SCHEDULE

DRAWN: JH	PROJECT NO.: 2100135
DESIGN: ED	SCALE: AS SHOWN
CHECKED: RR	DATE: 05/04/2023
DRAWING NO.	**SM1.40**
SHEET NO.	**279** OF **374**

BID SET - NOT FOR CONSTRUCTION

Plotted: Jun 13, 2023 - 11:47am dyu Layout: SM1.40
M:\2021\2100135 Skagway Ore Peninsula Multi-use Dock\Drawings\Current\2100135_SM1.40 MSP Pile Schedule.dwg

Appendix G: Haskell Temp Fuel Line Quote and Exclusions

HASKELL

CONSTRUCTORS –SINCE 1890

July 7, 2023

Chris Willis
Chief Estimator
Pacific Pile & Marine
700 S. Riverside Drive
Seattle, WA 98108

SUBJECT: Skagway Ore Peninsula Redevelopment – Temporary Fuel Lines

Mr. Willis:

Haskell Corporation is pleased to present our lump sum (LS) proposal for temporary fuel line scope associated with the Skagway Ore Peninsula Redevelopment Project. Haskell Corporation wishes to thank you for including us in this solicitation, and we look forward to the prospect of working together.

We have reviewed the information you provided in the referenced RFQ. Our proposal is as follows:

SCOPE

Haskell will provide the following services to PPM. All scope below will be supported by a crane and operator supplied by others.

1. Design, supply, and install two temporary fuel lines. The temporary fuel lines will be commissioned by Haskell. Temporary fuel line scope is based on KPFF mark-ups provided on 7/7/2023. KPFF and Petromarine to assist with developing mutually agreeable tie-in plan. Piping at tie-ins will be made safe for hot work by others.
2. Haskell will drain the temporary fuel lines prior to demolition. The temporary fuel lines will be cut into segments less than or equal to sixty feet (60') for removal by others. Demolition of the temporary fuel lines will be limited to piping on the Broadway Dock only. Jersey barriers will be supplied, installed, and left in place.
3. Supply and install temporary hangers at the AML Dock.
4. Supply, install, and remove designed two four (4) foot by eight (8) foot steel plates at the AML dock.

Addenda Received: 16

PRICE

Haskell Corporation proposes to perform the aforementioned scope for the lump sum amount of One Million Seven Hundred Eighty-Five Thousand One Hundred Sixty-Nine Dollars ($1,785,169) not including Washington State sales Tax WSST. Payment terms are net 30, no retention held. This price is valid for 30 days.

Please add 1.5% to our pricing if a payment and performance bond is required.

SCHEDULE

The scope outlined above has been scheduled on a six (6) day per week ten (10) per day with the option to move to a seven (7) day per week schedule if needed to achieve the required milestone dates. There will be a peak of approximately six (6) craft during the execution of Haskell's scope. Two mobilizations have been assumed for our base scope. Our project execution is based on the following dates and durations:

1. Part of First Mobilization: Contract Award to Haskell on our before 7/18/2023.
2. Part of First Mobilization: Complete temporary fuel pipe installation by 11/1/2023.
3. Part of Second Mobilization: Demolish temporary fuel lines on Broadway Dock in 4/2024.

SUBCONTRACTORS

Temporary Fuel Line Engineering: K Corp.
NDE: TEAM

CLARIFICATIONS

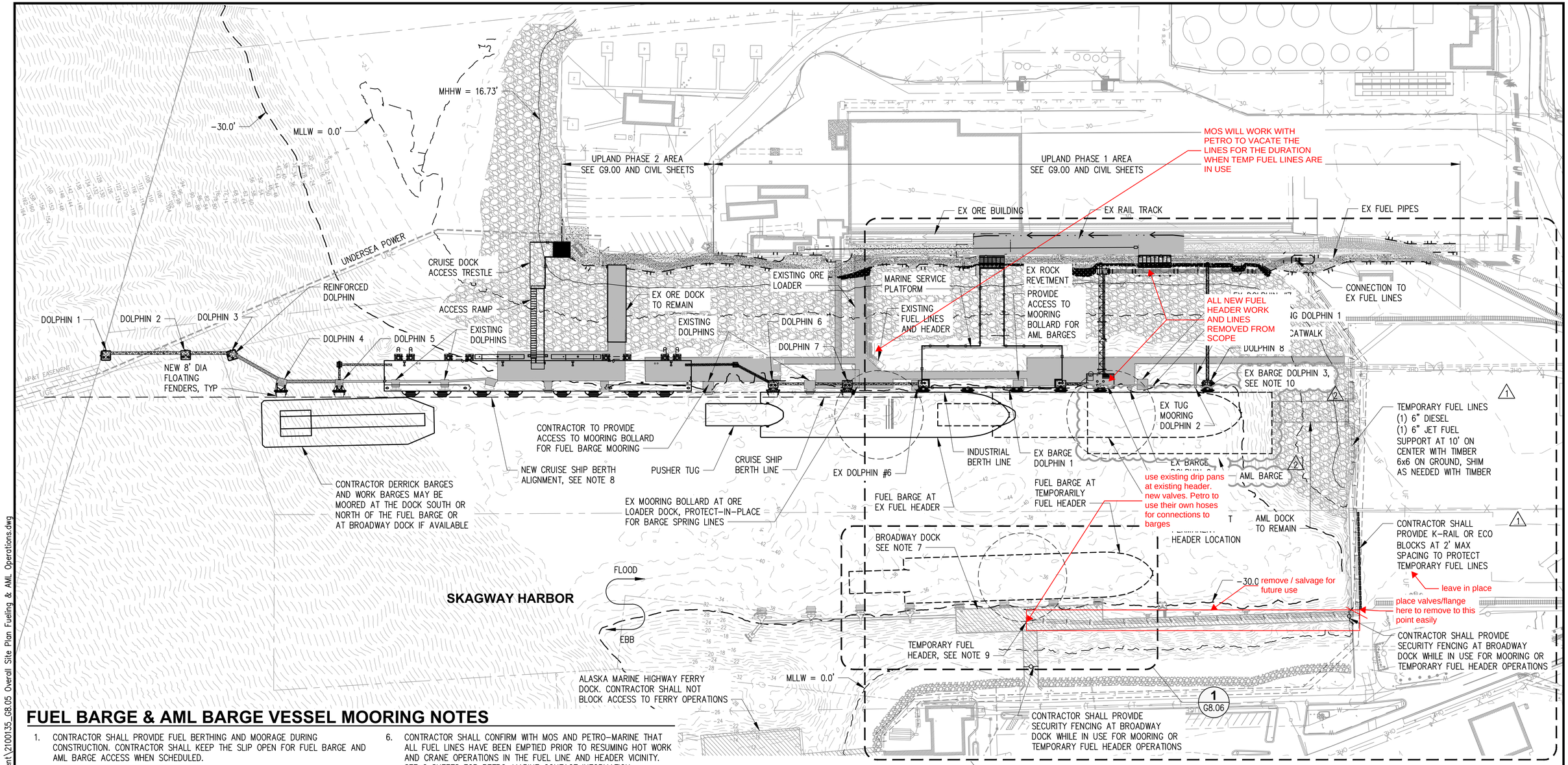
1. This proposal is predicated on negotiation of mutually acceptable terms and conditions that are typical to the industry. No special allowances have been included for such items as delay damages or cost of money. No retainage has been assumed.
2. PPM will provide a builder's risk policy for the project to which Haskell can be named additionally insured. It is assumed the deductibles will be $50,000 or less.
3. No allowance has been included for dealing with any hazardous materials or differing site conditions that may be encountered while performing this work. This would include hazardous soil remediation, asbestos abatement, or lead abatement costs. In addition, this would include costs to improve ground at location of erection to achieve required bearing pressure as required by the lift plan.
4. No permitting costs or permitting notifications have been included. Haskell's temporary fuel line engineer has included an allowance of 20 hours of permitting support. (01 14 00 1.4).
5. SWPPP installation and maintenance will be by PPM.
6. Snow and ice removal will be by PPM.
7. Temporary site lighting will be by PPM.
8. Dust control is not included.
9. No inspection costs have been included outside of standard inspections for our own work. (00 72 00 13.3).
10. Piping will be hydrotested per specifications and restored. Flushing, pickling, or passivation of new piping is not included.
11. No support for mooring operations of any ships has been included (01 14 00 1.3 G.).
12. The QEP required in specification 01 35 43 will be supplied by PPM.
13. No traffic control or detour materials or labor have been included as required in specification 01 50 50.
14. Water used for hydrotesting will be disposed of at a nearby sanitary sewer connection.

15. Demolished temporary piping will not be flushed or cleaned. Piping will be capped and stored on site by others for re-installation later. Reinstallation of demolished piping is not included in this proposal.
16. Fuel hoses and containment pans at the temporary fuel header are not included.
17. Integrated shop drawings have not been included.
18. Temporary fuel pipe and fittings will have no coatings. Valves will be coated with the manufacturer's standard factory coating. No touch-up of coatings has been included.
19. Haskell has not included any temporary or permanent fence. PPM will provide the temporary fencing identified in Specification 00 72 00, 6.2.A.2. No modification costs to the existing fence have been included (01 14 00 1.2. A.1).
20. Haskell has included weather protection and enclosures for our scope (when needed).
21. PPM will provide construction waste, chemical toilets, and temporary lighting (00 72 00 6.2.C.1) for use by Haskell.
22. Construction power will be provided by PPM.
23. Surveying and control points for Haskell's scope will be provided by PPM as needed.
24. Parking will be available for Haskell's staff within 2,500 feet of the project site.
25. PPM will provide a crane and operator to lift Haskell's pipe and structural steel materials as needed.
26. Any scope not identified in this letter has not been included.

Please direct any questions you may have to the undersigned. I can be reached at (360) 676-7226.

Brett Gunderson
Project Manager
Haskell Corporation

Enclosures
1. KPFF Temporary Fuel Pipe Drawing Markups



FUEL BARGE & AML BARGE VESSEL MOORING NOTES

1. CONTRACTOR SHALL PROVIDE FUEL BERTHING AND MOORAGE DURING CONSTRUCTION. CONTRACTOR SHALL KEEP THE SLIP OPEN FOR FUEL BARGE AND AML BARGE ACCESS WHEN SCHEDULED.
2. FUEL BARGE IS GENERALLY EXPECTED EVERY 20 DAYS. FUEL TRANSFER DURATION IS TYPICALLY 36–48 HOURS. AML BARGES TYPICALLY LOAD WEEKLY SUNDAY–MONDAY AND CAN VARY. CONTRACTOR TO COORDINATE WITH MOS ON SCHEDULING. CONTRACTOR SHALL KEEP THE ORE BASIN OPEN FOR AML BARGE TRAFFIC WHEN SCHEDULED.
3. NO HOT WORK WILL BE ALLOWED WITHIN 300' OF THE FUEL BARGE WHILE IN PORT. NO CRANE WORK WITHIN RANGE OF THE BARGE WILL BE PERMITTED.
4. NEW AND EXISTING STRUCTURES SHOWN IN THIS VIEW, CONTRACTOR SHALL DETERMINE PHASING OF PROJECT TO ALLOW FOR FUEL BARGE OPERATIONS AND AML BARGE OPERATIONS.
5. CONTRACTOR SHALL SUBMIT FUEL BARGE MOORING AND BERTHING PLANS 3 WEEKS PRIOR TO FUEL BARGE ARRIVAL.
6. CONTRACTOR SHALL CONFIRM WITH MOS AND PETRO–MARINE THAT ALL FUEL LINES HAVE BEEN EMPTIED PRIOR TO RESUMING HOT WORK AND CRANE OPERATIONS IN THE FUEL LINE AND HEADER VICINITY. SEE G SHEETS FOR PETRO–MARINE CONTACT INFORMATION.
7. CONTRACTOR MAY MOOR VESSELS AND BARGES AT BROADWAY DOCK WITH FLOATING FENDERS REMOVED BY CONTRACTOR TO PREVENT DAMAGE. FLOATING FENDERS SHALL BE REMOVED FOR FUEL BARGE OPERATIONS.
8. NOTE EXISTING BERTH LINE AND CURRENT BERTH LINE DIFFER IN LOCATION.
9. TEMPORARY FUEL HEADER. CONTRACTOR DESIGNED, CONTRACTOR TO PROVIDE CONNECTIONS FOR FUEL LINES. SEE SHEET G8.06.
10. CONTRACTOR MAY TEMPORARILY RELOCATE THE PLUMB PILE FROM BARGE DOLPHIN 3 TO ACCOMMODATE AML BARGE BERTHING DURING CONSTRUCTION OF DOLPHIN 8. (2)

OVERALL SITE PLAN

SCALE: 1" = 80'

1 U6.30

LEGEND

- EXISTING STRUCTURES TO BE REMOVED, SEE DEMOLITION SHEETS
- EXISTING FUEL LINES
- FUEL LINES
- SECURITY FENCE

PROJECT NORTH (45.9°)

0 80 160 240

SCALE IN FEET

TEMP FUEL LINE RE-SCOPE 7.7.2023

kpff
1601 5th Avenue, Suite 1300
Seattle, Washington 98101
(206) 382-0600 Fax (206) 382-0500

5/4/2023 STATE OF ALASKA 49TH Robert H. Riley No. 11844 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	BY	REVISION
1	05/18/23	JLF	ADDENDUM 1
2	06/02/23	EJD	ADDENDUM 3

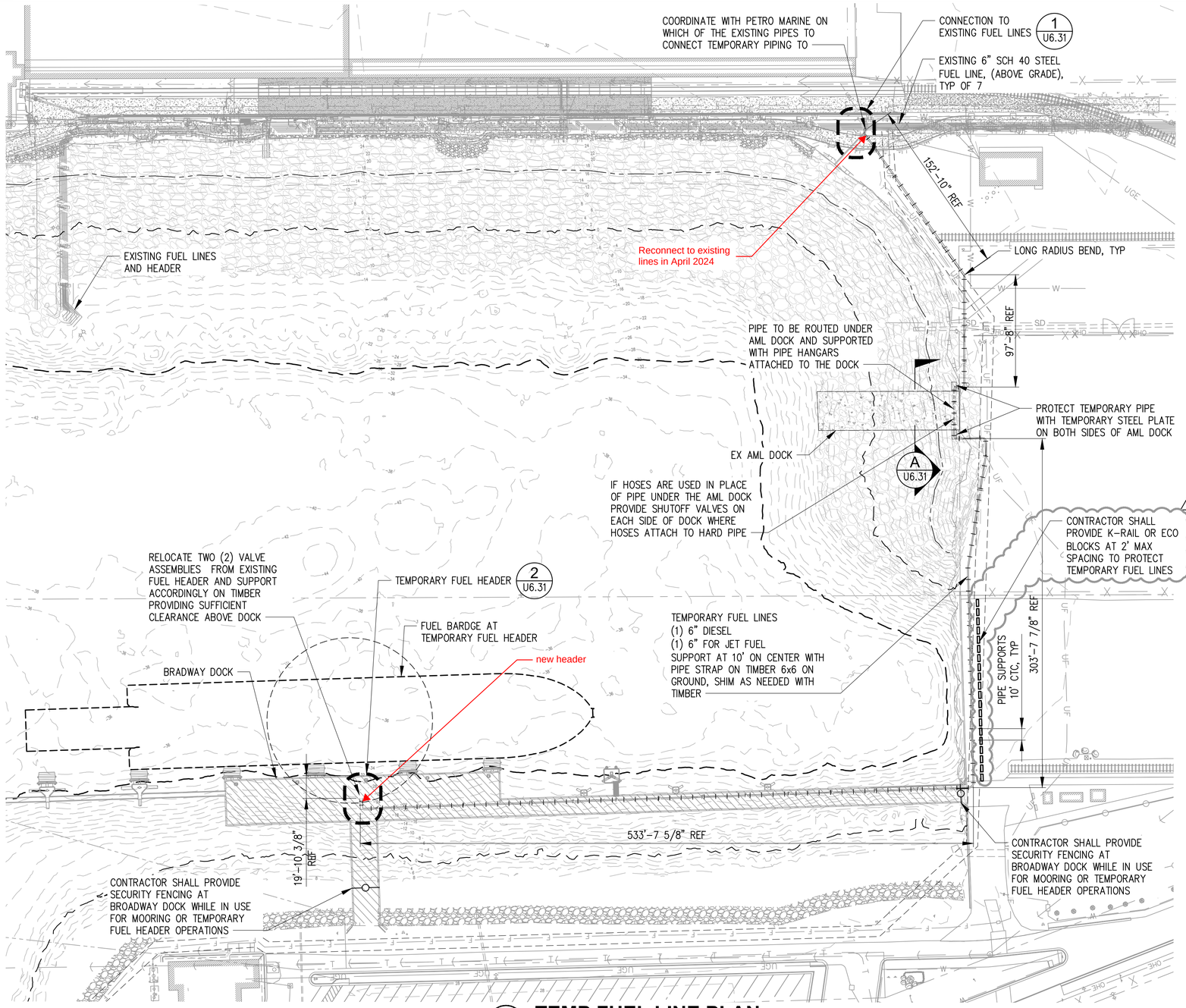
ORE PENINSULA REDEVELOPMENT
SKAGWAY, ALASKA

OVERALL SITE PLAN - CONSTRUCTION FUELING AND AML BARGE OPERATIONS

DRAWN: JH	PROJECT NO.: 2100135
DESIGN: ED	SCALE: AS SHOWN
CHECKED: RR	DATE: 05/04/2023
DRAWING NO.	G8.05
SHEET NO.	14 OF 374

BID SET - NOT FOR CONSTRUCTION

Plotted: Jun 02, 2023 – 11:24am dyu Layout: G8.05
M:\2021\2100135 Skagway Ore Peninsula Multi-use Dock\Drawings\Current\2100135_G8.05 Overall Site Plan Fueling & AML Operations.dwg



1 G8.05 **TEMP FUEL LINE PLAN**
SCALE: 1" = 15'

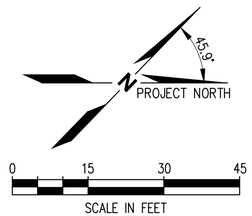
NOTES

1. NEW STEEL FUEL PIPE SHALL BE ASTM A53 GRADE B, 6" SCHEDULE 40, COATED PER SPECIFICATIONS, BUT NOT GALVANIZED. JOINT SALL BE BUTT WELDED.
2. WHERE PIPE SUPPORTS ARE USED THESE SHALL BE HOT DIPPED GALVANIZED OR 316 STAINLESS STEEL. TYPICAL MAXIMUM SPACING SHALL BE 10' FOR 6" PIPE. PIPE STRAPS TO SECURE PIPES TO TIMBER UNLESS NOTED. PIPE STRAPS SHALL BE GALVANIZED OR COATED. PIPE STRAPS SHALL NOT CAUSE DAMAGE TO PIPE COATING.
3. MAINTAIN 18" MINIMUM CLEARANCE BELOW BOTTOM OF PIPE, FLANGE, OR VALVE AND 6" MINIMUM CLEARANCE ABOVE TOP OF PIPE, FLANGE, OR VALVE TO PROVIDE CLEARANCE FOR INSTALLATION AND REMOVAL.
4. EXISTING FUEL LINE SHALL BE CUT AND REMOVED IN ACCORDANCE WITH THE UTILITY DEMOLITION SPECIFICATIONS.
5. CONTRACTOR TO PROVIDE TEMPORARY FLANGE JOINTS AND HOSES AS NECESSARY TO MAINTAIN FUEL SERVICE AT ALL PHASES OF CONSTRUCTION.
6. SEE UPLAND PLANS FOR UPLAND GRADING DETAILS.
7. BASED ON THESE DRAWINGS, THE CONTRACTOR SHALL DEVELOP DETAILED SHOP DRAWINGS THAT PROVIDE A FULLY FUNCTIONAL ARRANGEMENT SUITABLE FOR INSTALLATION, TAKING INTO ACCOUNT SITE CONDITIONS. DIMENSIONS SHALL BE VERIFIED FROM SITE AND MANUFACTURERS' CERTIFIED DRAWINGS. THESE DRAWINGS ARE DIAGRAMMATIC AND DO NOT REPRESENT A COMPLETE DETAILED DESIGN. EQUIPMENT LAYOUT IS APPROXIMATE.
8. COMPLY WITH THE APPLICABLE LOCAL, STATE, AND NATIONAL CODES, ORDINANCES AND REGULATIONS AFFECTING MATERIALS AND METHODS OF INSTALLATION OF THE FUEL SYSTEMS. FOLLOW RECOMMENDED PRACTICES AS SET FORTH BY ASME, 2012 INTERNATIONAL BUILDING CODE, 2012 INTERNATIONAL MECHANICAL CODE, 2012 UNIFORM PLUMBING CODE, GA, AND OSHA, AS THEY APPLY TO THIS PROJECT, EXCEPT IN CASES WHERE STATUTES GOVERN.
9. PIPING SHALL BE RUN AS DIRECTLY AS PRACTICABLE WITH A MINIMUM NUMBER OF BENDS. SUFFICIENT CLEARANCES SHALL BE PROVIDED FOR REPLACEMENT OF ALL VALVING. PROVIDE SUFFICIENT CLEARANCE ABOVE, BELOW, AND BETWEEN PIPES. PROVIDE ADEQUATE LOOPS OR OTHER MEASURES AS NEEDED TO ALLOW FOR THERMAL EXPANSION/CONTRACTION.
10. UPON COMPLETION OF THE FUEL SYSTEMS INSTALLATION, EXAMINATION, INSPECTION AND ALL TESTING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ASME B31.4 AND OF THE AUTHORITY HAVING JURISDICTION.
11. DEMONSTRATE TO THE PROJECT ENGINEER'S SATISFACTION THAT THE SYSTEMS HAVE BEEN INSTALLED IN A SATISFACTORY MANNER IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS, AND APPLICABLE CODES. DEMONSTRATE DYNAMIC OPERATION OF ALL SYSTEMS AND THAT ALL EQUIPMENT OPERATES PROPERLY.
12. COORDINATE INSTALLATION OF TEMPORARY PIPING ACCORDINGLY WITH OTHER CONSTRUCTION WORK HAPPENING IN THE AREA AND TO THE SATISFACTION OF THE PROJECT ENGINEER.
13. FOR ADDITIONAL NOTES AND DETAILS SEE G8.05

LEGEND

EXISTING 6" SCH 40 STEEL FUEL LINE

6" SCH 40 STEEL FUEL LINE



TEMP FUEL LINE RE-SCOPE 7.7.2023

kpff
1601 5th Avenue, Suite 1300
Seattle, Washington 98101
(206) 382-0600 Fax (206) 382-0500

STATE OF ALASKA — DANIEL W. HARTFORD — No. ME11178 — REGISTERED PROFESSIONAL ENGINEER — 5/04/2023

NO.	DATE	BY	REVISION
1	05/18/23	JLF	ADDENDUM 1

ORE PENINSULA REDEVELOPMENT
SKAGWAY, ALASKA

TEMP FUEL LINE PLAN

DRAWN:	JH	PROJECT NO.:	2100135
DESIGN:	ED	SCALE:	AS SHOWN
CHECKED:	DWH	DATE:	05/04/2023
DRAWING NO.		**U6.30**	
SHEET NO.	161	OF	374

BID SET - NOT FOR CONSTRUCTION

Plotted: May 18, 2023 – 1:00pm dyu Layout: U6.30
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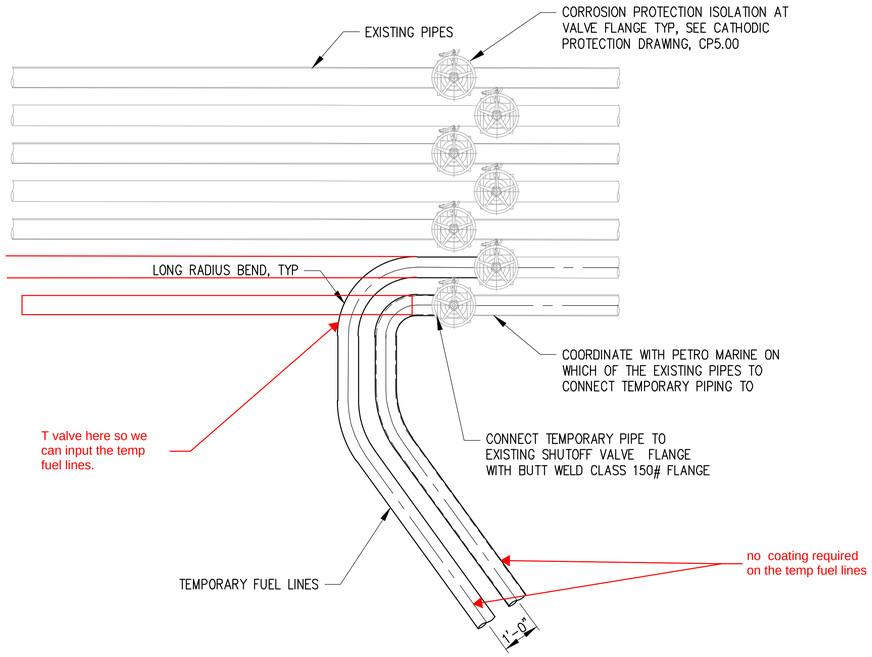
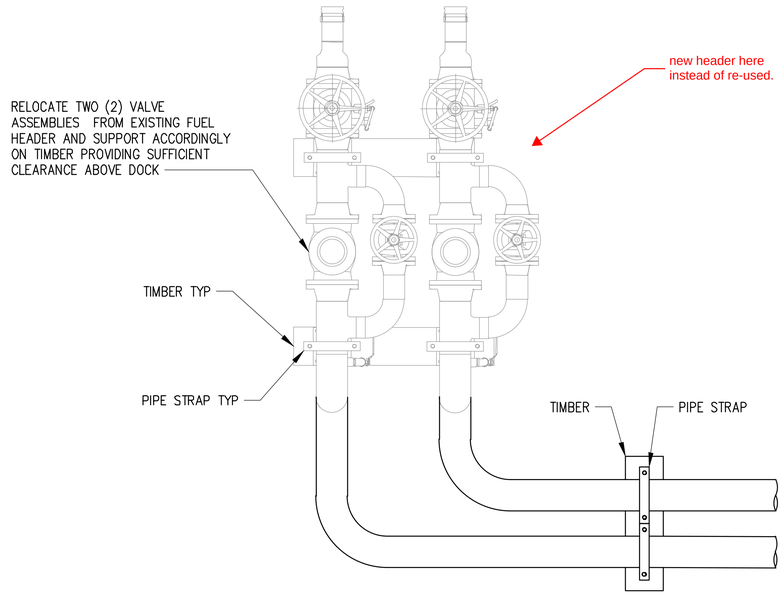
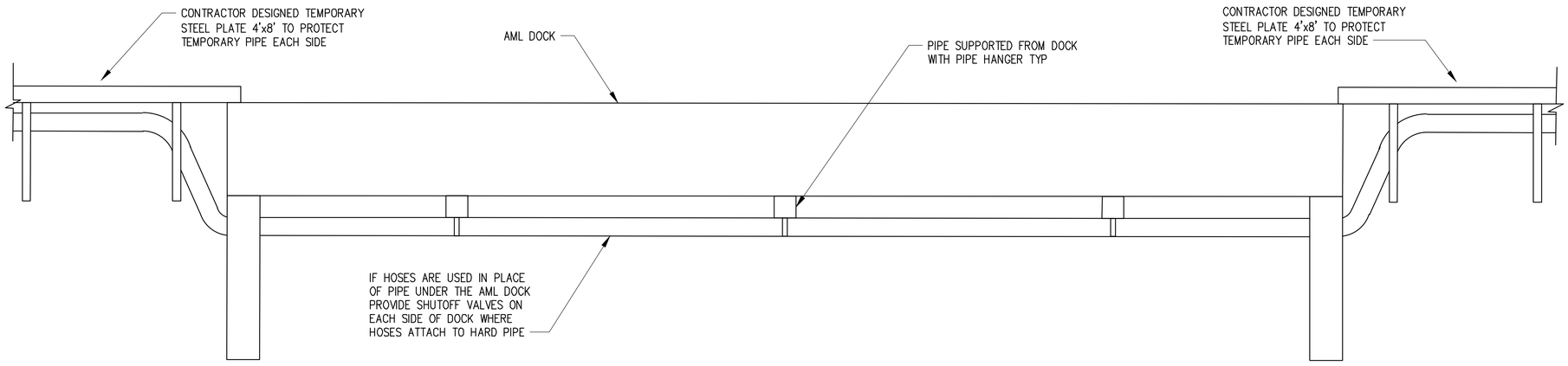


1 U6.30 **CONNECTION TO EXISTING FUEL LINES**
SCALE: NTS



2 U6.30 **TEMPORARY FUEL HEADER**
SCALE: NTS



A U6.30 **SECTION - UNDERNEATH DOCK**
SCALE: NTS

TEMP FUEL LINE RE-SCOPE 7.7.2023

kpff
1601 5th Avenue, Suite 1300
Seattle, Washington 98101
(206) 382-0600 Fax (206) 382-0500

STATE OF ALASKA 49 DANIEL W. HARTFORD No. ME11178 REGISTERED PROFESSIONAL ENGINEER 5/04/2023

NO.	DATE	BY	REVISION

ORE PENINSULA REDEVELOPMENT
SKAGWAY, ALASKA

TEMP FUEL LINE DETAILS

DRAWN: JH	PROJECT NO.: 2100135
DESIGN: ED	SCALE: AS SHOWN
CHECKED: DWH	DATE: 05/04/2023
DRAWING NO.	**U6.31**
SHEET NO.	162 OF 374

BID SET - NOT FOR CONSTRUCTION

Plotted: May 08, 2023 – 11:49am dyu Layout: U6.31
M:\2021\2100135 Skagway Ore Peninsula Multi-use Dock\Drawings\Current\2100135_U6.31 Temp Fuel Line Details.dwg

Brett Gunderson

From: Dan Hartford <dan.hartford@kpff.com>
Sent: Friday, July 7, 2023 11:10 AM
To: Brett Gunderson; Ed DeBroeck
Cc: Chris Willis; Luke Parham
Subject: RE: Temporary Fuel Valves

CAUTION: This email originated from outside Haskell Corporation. Do not click links or open attachments unless you are sure the sender is valid and the content is safe.

The proposed valves are acceptable for this application.

Regards,
Dan

kpff 60 YEARS

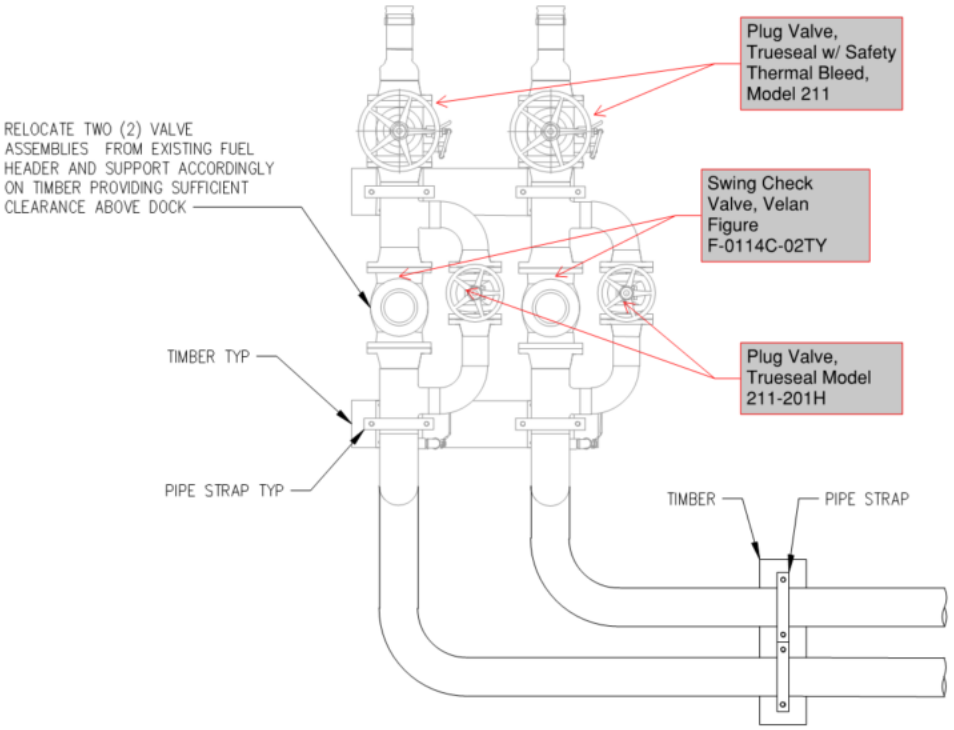
Dan Hartford, PE, P.Eng
Associate

O 206.382.0600 D 206.388.1551 M 425.985.6728
1601 Fifth Avenue,Suite 1300
Seattle, WA 98101

From: Brett Gunderson <bgunderson@haskellcorp.com>
Sent: Friday, July 7, 2023 10:13 AM
To: Dan Hartford <dan.hartford@kpff.com>; Ed DeBroeck <ed.debroeck@kpff.com>
Cc: Chris Willis <chrisw@pacificpile.com>; Luke Parham <lparham@haskellcorp.com>
Subject: Temporary Fuel Valves

Ed, Dan,

For the header valves, can I assume the following:



2 U6.30 **TEMPORARY FUEL HEADER**
SCALE: NTS

I have current pricing on these valves as they were the basis for the new headers in the bid. I would also like to use the 6" Trueseal Model 211 at the tie-in points off of the tee, and again at the isolation point at the shore side of the Broadway Dock.

Let me know if this is acceptable.

Brett Gunderson | **HASKELL CORPORATION** | Project Manager/Estimator | www.haskellcorp.com
Office 360.676.7226 | Mobile 360.483.8188| Fax 360.734.5538 | bgunderson@haskellcorp.com