



EXHIBIT A

List of Applications and Accompanying Alignment Map and Site Location Drawings Identifying the General Route of the Pipeline

A. The general route of the Pipeline is identified in the following applications, alignment map and site location drawings, filed with the Bureau of Land Management:

(1) Alignment of the centerline of the line pipe—

(a) *Applications*

BLM serial numbers

AA-5847—sheets 1 to 26 inclusive

F-12505—sheets 26 to 138 inclusive

(b) *Description of Alignment Map*

Alyeska Pipeline Service Company

Trans Alaska Pipeline System

Dwg. No. AL-00-G2

Sheets 1-138, inclusive (143 sheets

in all, including 25A, 36A, 53A,

114A and 119A)

Prudhoe Bay to Valdez

48" Oil Pipeline Alignment Map

Scale: 1" = 1,000'

(c) *Date of Survey*

Engineer's Statement attached to Sheet 1 indicates that survey was made commencing August 19, 1970 through February 16, 1973 (and continuing as minor realignments occur) and that such survey is accurately represented upon the aforesaid sheets of the map with certain exceptions that are noted on individual engineer's statements.

(d) *Date Alignment Map was filed*

September 19, 1973

(e) *BLM office where filed*

Alaska State Office

Bureau of Land Management

555 Cordova Street

Anchorage, Alaska

(2) Locations of certain Related Facilities—

Related facility	Applications BLM serial #	Alyeska site location drawing #	Drawing date
(a) Pump Stations:			
#2-----	F-15422	D-32-L 500	1-12-72
#3-----	F-15424	D-33-L-500	1-12-72
#4-----	F-15426	D-34-L 500	1-12-72
#5-----	F-15428	D-35-L 500	1-12-72
#6-----	F-15430	D-36-L 501	1-12-72
#7-----	F-15432	D-37-L 502	1-12-72
#8-----	F-15434	D-38-L 501	1-12-72
#10-----	F-15436	D-40-L 500	1-12-72
#11-----	AA-6990	D-41-L 500	1-12-72
#12-----	AA-6991	D-42-L 500	1-12-72
(b) Mechanical Refrigeration Equipment Sites:			
#1-----		D-00-L 96	No Date
#2-----		D-00-L 97	No Date
#3-----		D-00-L 98	No Date
#4-----		D-00-L 99	No Date
#5-----		D-00-L 100	No Date
#6-----		D-00-L 101	No Date



Related facility	Applications BLM serial #	Alyeska site location drawing #	Drawing date
(b) Mechanical Refrigeration Equipment Sites--Continued			
#7.....		D-00-L 102	No Date
#8.....		D-00-L 103	No Date
#9.....		D-00-L 104	No Date
(c) Pump Station Communication Sites:			
#2.....	F-15423	D-32-L 501	1-12-72
#3.....	F-15425	D-33-L 501	1-12-72
#4.....	F-15427	D-34-L 501	1-12-72
#5.....	F-15429	D-35-L 501	1-12-72
#6.....	F-15431	D-36-L 502	1-12-72
#7.....	F-15433	D-37-L 503	8-29-72
#8.....	F-15435	D-38-L 502	1-12-72
#10.....	F-15437	D-40-L 501	1-12-72
#11.....	AA-6992	D-41-L 501	1-12-72
#12.....	AA-6993	D-42-L 501	1-12-72
(d) Basic Communication Sites:			
Valdez Terminal.....		D-60-L 559	12-17-73
Keystone.....		D-60-L 511	6-22-73
Ptarmigan.....		D-60-L 540	11-3-73
Tsina.....		D-60-L 513	6-22-73
Tiekel.....		D-60-L 541	11-5-73
PS No. 12 Passive.....		D-60-L 543	11-5-73
Kinball.....		D-60-L 542	11-5-73
Stuck.....		D-60-L 544	11-5-73
Gakona.....		D-60-L 516	6-22-73
Round Top.....		D-60-L 545	11-3-73
Yost.....		D-60-L 546	10-31-73
Nicole Knot.....		D-60-L 547	11-1-73
Donnelly No. 2.....		D-60-L 548	11-4-73
Aggie.....		D-60-L 549	11-3-73
West.....		D-60-L 522	6-22-73
Livengood.....		D-60-L 550	11-4-73
Bench.....		D-60-L 551	11-3-73
Hamlin.....		D-60-L 524	6-22-73
Fish.....		D-60-L 552	10-31-73
Eagle.....		D-60-L 526	6-22-73
Coldfoot.....		D-60-L 527	6-22-73
Kaanuk.....		D-60-L 553	11-3-73
Table Mountain.....		D-60-L 529	6-22-73
Margaret Hill.....		D-60-L 554	10-26-73
Atigun.....		D-60-L 555	11-3-73
Twin Glacier.....		D-60-L 539	6-22-73
Tea Lake.....		D-60-L 556	11-27-73
Galbraith.....		D-60-L 557	11-27-73
Slope.....		D-60-L 535	6-22-73
Costa Hill.....		D-60-L 558	10-30-73
Franklin Bluffs.....		D-60-L 537	6-22-73
Stuart.....		D-60-L 504	6-22-73
Ross Dome.....	F-12139	D-60-L 560	12-17-73
(e) Remote Control Block Valve Equipment Sites:			
#98.....		D-00-L 33	5-16-73
#100.....		D-00-L 31	5-16-73
#101.....		D-00-L 29	5-16-73
#102.....		D-00-L 27	5-16-73
#103.....		D-00-L 25	5-16-73
#104.....		D-00-L 23	5-16-73



Related facility	Applications BLM serial #	Alyeska site location drawing #	Drawing date
(e) Remote Control Block Valve Equipment Sites—Continued			
#109		D-00-L 21	5-16-73
#113		D-00-L 19	5-16-73
#115		D-00-L 17	5-16-73
#116		D-00-L 15	5-16-73
#117		D-00-L 13	5-16-73
#118		D-00-L 11	5-16-73
#119		D-00-L 9	5-16-73
#123		D-00-L 7	5-17-73
#125		D-00-L 5	5-17-73
#51		D-00-L 65	5-16-73
#53		D-00-L 63	5-16-73
#54		D-00-L 61	5-16-73
#56		D-00-L 59	5-16-73
#58		D-00-L 55	5-16-73
#57		D-00-L 57	5-16-73
#59		D-00-L 53	5-16-73
#60		D-00-L 51	5-16-73
#62		D-00-L 49	5-16-73
#65		D-00-L 47	5-16-73
#67		D-00-L 45	5-16-73
#68		D-00-L 43	5-16-73
#88		D-00-L 41	5-16-73
#91		D-00-L 39	5-16-73
#96		D-00-L 37	5-16-73
#97		D-00-L 35	5-16-73
#31		D-00-L 95	5-16-73
#32		D-00-L 93	5-16-73
#33		D-00-L 91	5-16-73
#34		D-00-L 89	5-16-73
#35		D-00-L 87	5-16-73
#36		D-00-L 85	5-16-73
#37		D-00-L 83	5-16-73
#39		D-00-L 81	5-16-73
#40		D-00-L 79	5-16-73
#42		D-00-L 77	5-16-73
#43		D-00-L 75	5-16-73
#44		D-00-L 73	5-16-73
#45		D-00-L 71	5-16-73
#47		D-00-L 69	5-16-73
#49		D-00-L 67	5-16-73
(f) Communication Facilities at Valve Sites:			
#31	F-19621	D-00-L 94	No Date
#32	F-19622	D-00-L 92	No Date
#33	F-19623	D-00-L 90	No Date
#34	F-19624	D-00-L 88	No Date
#35	F-19625	D-00-L 86	No Date
#36	F-19626	D-00-L 84	No Date
#37	F-19627	D-00-L 82	No Date
#39	F-19628	D-00-L 80	No Date
#40	F-19629	D-00-L 78	No Date
#42	F-19630	D-00-L 76	No Date
#43	F-19631	D-00-L 74	No Date
#44	F-19632	D-00-L 72	No Date
#45	F-19633	D-00-L 70	No Date
#47	F-19634	D-00-L 68	No Date



Related facility	Applications BLM serial #	Alyeska site location drawing #	Drawing date
(f) Communication Facilities at Valve Sites—Continued			
#49-----	F-19635	D-00-L 66	No Date
#51-----	F-19636	D-00-L 64	No Date
#53-----	F-19637	D-00-L 62	No Date
#54-----	F-19638	D-00-L 60	No Date
#56-----	F-19639	D-00-L 58	No Date
#57-----	F-19640	D-00-L 56	No Date
#58-----	F-19641	D-00-L 54	No Date
#59-----	F-19642	D-00-L 52	No Date
#60-----	F-19643	D-00-L 50	No Date
#62-----	F-19644	D-00-L 48	No Date
#65-----	F-19645	D-00-L 46	No Date
#67-----	F-19646	D-00-L 44	No Date
#68-----	F-19647	D-00-L 42	No Date
#88-----	F-19648	D-00-L 40	No Date
#91-----	F-19649	D-00-L 38	No Date
#96-----	F-19650	D-00-L 36	No Date
#97-----	F-19651	D-00-L 34	No Date
#98-----	F-19652	D-00-L 32	No Date
#100-----	AA-8499	D-00-L 30	No Date
#101-----	AA-8500	D-00-L 28	No Date
#102-----	AA-8501	D-00-L 26	No Date
#103-----	AA-8502	D-00-L 24	No Date
#104-----	AA-8503	D-00-L 22	No Date
#109-----	AA-8504	D-00-L 20	No Date
#113-----	AA-8505	D-00-L 18	No Date
#115-----	AA-8506	D-00-L 16	No Date
#116-----	AA-8507	D-00-L 14	No Date
#117-----	AA-8508	D-00-L 12	No Date
#118-----	AA-8509	D-00-L 10	No Date
#119-----	AA-8510	D-00-L 8	No Date
#123-----	AA-8511	D-00-L 6	No Date
#125-----	AA-8512	D-00-L 4	No Date
(g) Erosion Control Structure Sites:			
Unnamed Creek-----		C-00-L 1041	8-31-73
Brown Creek-----		C-00-L 1042	8-31-73
Lowe River-----		C-00-L 1043	8-31-73
Sheep Creek-----		C-00-L 1044	8-31-73
Tsina River #1-----		C-00-L 1045	8-31-73
Tsina River #1-----		C-00-L 1046	8-31-73
Tsina River #3-----		C-00-L 1047	8-31-73
Tiekel River #1-----		C-00-L 1048	8-31-73
Tiekel River #3-----		C-00-L 1049	8-31-73
Tiekel River-----		C-00-L 1050	8-31-73
McCallum Creek-----		C-00-L 1051	8-31-73
Phelan Creek-----		C-00-L 1052	8-31-73
Phelan Creek #2-----		C-00-L 1053	8-31-73
Phelan Creek #2-----		C-00-L 1054	8-31-73
Phelan Creek #2-----		C-00-L 1055	8-31-73
Phelan Creek #2-----		C-00-L 1056	8-31-73
Phelan Creek #2-----		C-00-L 1057	8-31-73
Phelan Creek-----		C-00-L 1058	8-31-73
Phelan Creek-----		C-00-L 1059	8-31-73
Phelan Creek #2-----		C-00-L 1060	8-31-73
Phelan Creek #2-----		C-00-L 1061	8-31-73
Phelan Creek-----		C-00-L 1062	8-31-73



Related facility	Applications BLM serial #	Alyeska site location drawing #	Drawing date
(g) Erosion Control Structure Sites—Continued			
Phelan Creek		C-00-L 1063	8-31-73
Phelan Creek		C-00-L 1064	8-31-73
Phelan Creek		C-00-L 1065	8-31-73
Phelan Creek		C-00-L 1066	8-31-73
Delta River #1		C-00-L 1067	8-31-73
Delta River #1		C-00-L 1068	8-31-73
Delta River #1		C-00-L 1069	8-31-73
Delta River #1		C-00-L 1070	8-31-73
Delta River #1		C-00-L 1071	8-31-73
Delta River #2		C-00-L 1072	8-31-73
Delta River #2		C-00-L 1073	8-31-73
Delta River #2		C-00-L 1074	8-31-73
Delta River #2		C-00-L 1075	8-31-73
Delta River #2		C-00-L 1076	8-31-73
Delta River #3		C-00-L 1077	8-31-73
Delta River #3		C-00-L 1078	8-31-73
Delta River #3		C-00-L 1079	8-31-73
Delta River #3		C-00-L 1080	8-31-73
Delta River #3		C-00-L 1081	8-31-73
Delta River #3		C-00-L 1082	8-31-73
Delta River #3		C-00-L 1083	8-31-73
Delta River #3		C-00-L 1084	8-31-73
Trims Creek		C-00-L 1085	8-31-73
Boulder Creek		C-00-L 1086	8-31-73
Lower Suzy-Q Creek		C-00-L 1087	8-31-73
Darling Creek		C-00-L 1088	8-31-73
N. Fork Bonanza		C-00-L 1090	8-31-73
Jim River		C-00-L 1091	8-31-73
Jim River		C-00-L 1092	8-31-73
S. Fork Koyukuk		C-00-L 1093	8-31-73
Middle Fork Koyukuk		C-00-L 1094	8-31-73
Middle Fork Koyukuk		C-00-L 1095	8-31-73
Middle Fork Koyukuk		C-00-L 1096	8-31-73
Middle Fork Koyukuk		C-00-L 1097	8-31-73
Middle Fork Koyukuk		C-00-L 1098	8-31-73
Middle Fork Koyukuk		C-00-L 1099	8-31-73
Middle Fork Koyukuk		C-00-L 1100	8-31-73
Middle Fork Koyukuk		C-00-L 1101	8-31-73
Dietrich River		C-00-L 1102	8-31-73
Dietrich River		C-00-L 1103	8-31-73
Dietrich River		C-00-L 1104	8-31-73
Dietrich River		C-00-L 1105	8-31-73
Sagavanirktok River		C-00-L 1106	8-31-73
Sagavanirktok River		C-00-L 1107	8-31-73
Sagavanirktok River		C-00-L 1108	8-31-73
Sagavanirktok River		C-00-L 1109	8-31-73
Sagavanirktok River		C-00-L 1110	8-31-73
Sagavanirktok River		C-00-L 1111	8-31-73
Sagavanirktok River		C-00-L 1112	8-31-73
Sagavanirktok River		C-00-L 1113	8-31-73
Sagavanirktok River		C-00-L 1114	8-31-73
Sagavanirktok River		C-00-L 1115	8-31-73
Sagavanirktok River		C-00-L 1116	8-31-73
(h) Valdez Terminal Site			
Valdez Terminal Site	AA-5847	X-50-L-501	12-10-73



B. The provisions of subsection A above in this Exhibit are subject to the following:

(1) All alignments, boundaries, sites and proposed improvements that may be described or depicted in any application, map or drawing referred to above are subject to the written approval of the Secretary or Authorized Officer, in accordance with the provisions of this Agreement, and the inclusion of a particular type of Related Facility does not necessarily connote approval by the Sec-

retary or the Authorized Officer of any concept, mode or design with respect to the facility.

(2) Any conflict, either expressed or implied, between any provision of this Exhibit (or of any application, map, drawing, or other document filed with or in support of the application, map or drawing), on the one hand, and, on the other hand, any provision found elsewhere in this Agreement, shall be resolved in favor of the provision found elsewhere in this Agreement.



EXHIBIT B

Requirements of the Department of Defense Relating to Military Installations

A. General Requirements

1. Entry upon military land for construction and routine operations and maintenance shall be fully coordinated ten (10) days in advance of entry with the appropriate installation commander having immediate jurisdiction over the property. Entry under emergency conditions shall be coordinated expeditiously with the installation commander.

2. Entry for all activities conducted by Permittees upon all military installations shall be in strict compliance with post/base regulations, both existing or hereafter promulgated. Permittees shall obtain copies of such regulations from the affected installation commanders.

3. Ingress and egress to military installations shall be confined to routes designated by the installation commander. Such commander shall have the right to modify or change the designated routes without advance notice to Permittees. Use of existing military roads or other access routes across subject lands shall be non-exclusive.

4. Permittees shall reimburse the United States, through the Army or Air Force installation affected, for any increased maintenance costs of existing military roads resulting from or attributable to usage by Permittees. These costs shall be in addition to those contemplated by Section 12 of this Agreement.

5. Permittees may construct permanent access and maintenance roads within the Right-of-Way, provided such roads do not interfere with the surface use of the area by the military, except during the construction phase.

6. Roads designated by the installation commander to require intermittent military usage may be closed. The installation commander shall approve in advance all such closures. Any extended

closure shall cause the road to be treated as stated in Section 3 of these General Requirements.

7. Any overhead construction relating to the Pipeline shall provide for a minimum of eighteen (18) feet of clearance above the existing road surface.

8. Crossover road ramp construction relative to ramp grades, pipeline cover, sleeves, bridging, signs and the like will conform to the extent practical to the standards of the Alaska State Highway Department.

9. Final route selection, as mapped, and any subsequent changes thereto across military lands will be approved by the affected installation commander prior to construction. The route of the Pipeline shall be located so as to avoid military improvements and the Pipeline shall be constructed a minimum distance of three hundred and twenty-five (325) feet from perimeter fences surrounding ammunition and fuel storage areas.

10. No surface projection of the Pipeline shall be permitted within the drop zone area west of the main development at Fort Greely.

11. Crossing of Army Petroleum Oil and Lubricant (POL) lines will be coordinated with the affected installation commander and the Petroleum Distribution Office (PDO), Support Command, U.S. Army, Alaska (USARAL), Fort Richardson, Alaska.

12. The Pipeline traversing subject lands shall be buried from stations 8400+00 and to 8511+51 and from Stations 8554+70 to 8562+46 as shown on Alyeska Pipeline Service Company Trans Alaska Pipeline System Drawing AL-00-G2, Sheet 45 of 138, Prudhoe Bay to Valdez. Burial depth and technique shall be sufficient to permit surface crossing of the Right-of-Way by heavy tracked and wheeled vehicles at designated locations of existing roads and runways. In the event

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that subsurface construction cannot be accomplished to the satisfaction of the installation commander, the Pipeline shall be relocated to an area or areas where burial is permissible, or where surface construction can be authorized without interruption of the military mission. Mode of construction between the aforementioned stations shall require the prior consent of the installation commander.

13. Disruption of, or interference with the operation and maintenance of any military pipelines, utility and communication lines is prohibited except by authorization by the installation commander. The Pipeline shall cross all existing intersecting pipelines, conduits, and cables with a minimum clearance of twelve (12) inches.

14. Maximum length of open trench or trenches during construction of the Pipeline over and across the subject land shall not exceed one (1) mile at any given time without the prior approval of the installation commander.

15. Suitable bridged crossings over open trenches shall be provided and maintained where necessary to permit passage of military personnel and vehicles; timely notice of requirements to be furnished by installation commander.

16. In connection with Permittees' duties to repair, replace, and rehabilitate as provided for in Section 13 of this Agreement, where borrowed soil material is necessary to perform such duties, the location and method of obtaining the borrowed material shall be approved by the installation commander. All surplus material not required for fill, backfill or grading shall be spread and leveled in an area designated by said commander.

17. Permittees shall submit legal descriptions of the centerline of the Right-of-Way and permanent access and maintenance roads as constructed in, upon, over and across military-controlled lands to the installation commander within ninety (90) days of the completion of construction within a given military installation. Separate legal descriptions shall be written for each noncontiguous tract of military-controlled land. Said legal descriptions shall be accompanied by preliminary "as built" drawings (and final "as built" drawings shall be furnished within three hundred and sixty (360) days) of said completion of the Pipeline and all permanent access and maintenance

roads, together with separate real estate maps in the event sufficient survey information necessary to verify legal descriptions is not contained on the "as built" drawings.

18. Permittees shall install mainline valves sufficient to control Oil flow in the vicinity of populated areas, ammunition/explosive and fuel storage areas.

19. Electrically operated devices installed as part of the Pipeline System which are capable of producing radiations, electromagnetic or other interference, shall be screened, filtered or otherwise suppressed to the extent that such devices will not adversely affect the function of existing communication systems. In the event that physical obstructions, such as towers or buildings are to be erected as part of the Pipeline System, their positioning shall be such that they will not obstruct radiation patterns of line-of-site communication, navigation aids or other communications, electronic or meteorological services.

20. Entry for construction and routine maintenance upon installations or crossings of utility facilities under the control of or utilized by Air Force Communications System/White Alice will be coordinated at least ten (10) days prior to entry with Alaska Communications Region through Headquarters, Alaskan Air Command, Elmendorf Air Force Base. Entry under emergency conditions will be coordinated expeditiously with the Region.

21. Should the Pipeline cross high voltage power transmission lines on Eielson Air Force Base, adequate precaution to the satisfaction of the installation commander will be taken to insure that excessive sag or accidental power line breakage does not create a safety hazard.

22. In the event unexploded munitions are discovered by Permittees during construction activities, the construction activities shall immediately cease in that area. Permittees shall notify the installation commander who will immediately proceed to dispose of the munitions. Construction shall not proceed until authorized by the installation commander.

23. The United States reserves to itself the right to construct, use and maintain across, over and/or