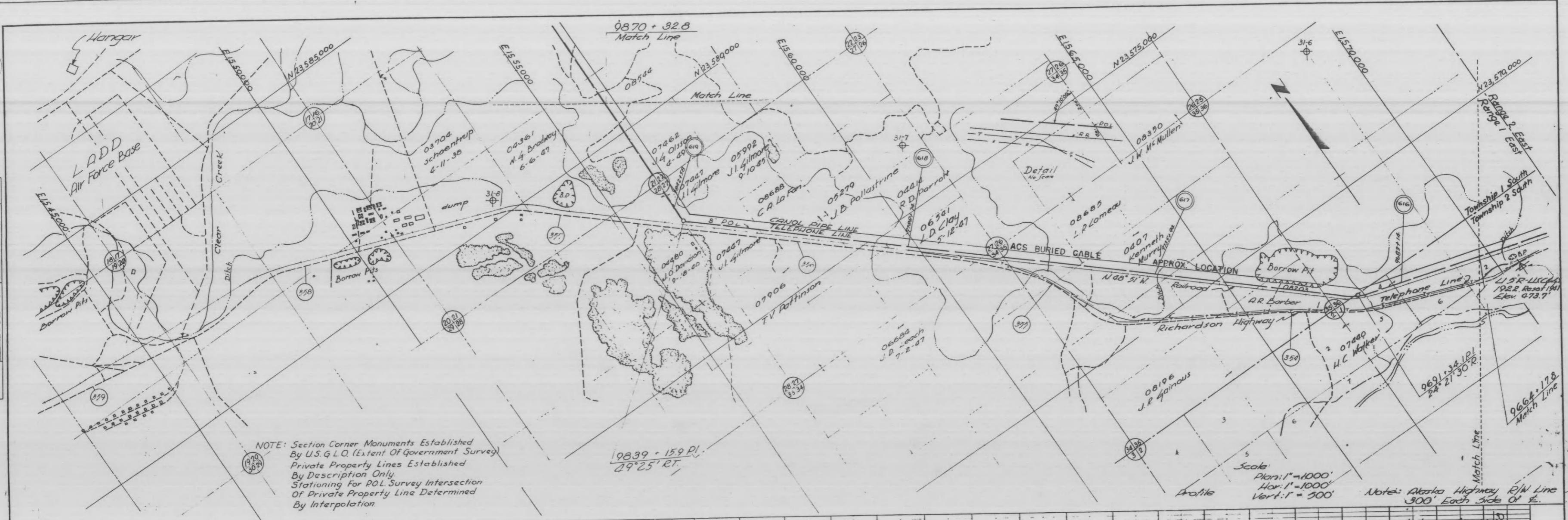


LLC

PLAN SURVEYED BY DATE  
 PLOTTED BY DATE  
 NOTE BOOK NO. OF WAY CHECKED  
 NO.

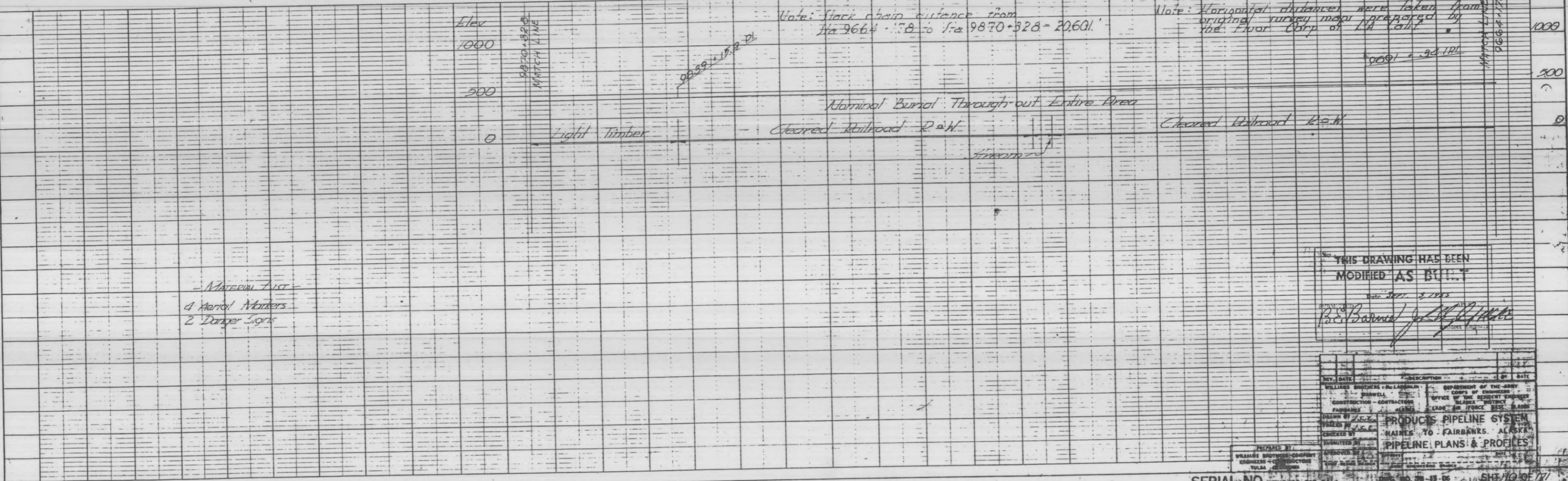


NOTE: Section Corner Monuments Established By U.S.G.L.O. (Extent Of Government Survey)  
 Private Property Lines Established By Description Only  
 Stationing For P.O.L. Survey Intersection Of Private Property Line Determined By Interpolation

Scale:  
 Plan: 1" = 1000'  
 Hor: 1" = 1000'  
 Vert: 1" = 500'

Note: Alaska Highway R/W Line 300' Each Side Of E.

PROFILE SURVEYED BY DATE  
 GRADES CHECKED BY DATE  
 NOTE BOOK NO. OF WAY CHECKED  
 NO.



MATERIAL LIST  
 4 Aerial Markers  
 2 Dangle Signs

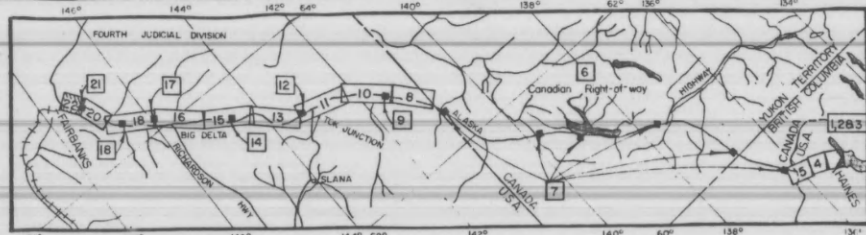
THIS DRAWING HAS BEEN MODIFIED AS BUILT  
 Date: 1971. 3.29.83  
 R.E. Barlow

REV.	DATE	DESCRIPTION	BY	DATE
1	1971. 3.29.83	AS BUILT	R.E. Barlow	

SERIAL NO. ENG. 105-207-541

DRAWING NUMBER  
 DRAWING NUMBER  
 DRAWING NUMBER  
 DRAWING NUMBER





SEGMENT MAP

TRACT NO.	LAND OWNER	ACREAGE		REMARKS
		TRANS.	ESM'T.	
B 172 E	John I. Gilmore et ux	1.15		Easement Deed for POL pipeline r/w, perpetual from 23 Jun 1954.
B 173 E	Milburn G. Bradway et ux	3.03		Easement for POL pipeline r/w, perpetual from 19 Dec 1953 Civil Case No 7806.
B 174 E	George F. Fomeny et ux	3.04		Easement Deed for POL pipeline r/w, perpetual from 11 Jan 1954.
B 175 E	Kouloni Marks et al	3.03		Easement for POL pipeline r/w, perpetual from 19 Dec 1953 Civil Case No 7806.
B 176 E	Maurice L. Laurance	0.69		Easement for POL pipeline r/w, perpetual from 12 Jun 1954. Right of Entry dated 15 Feb 1954.
B 177 E	Robert G. Miller	1.52		Easement Deed for POL pipeline r/w, perpetual from 12 Jun 1954. Right of Entry dated 15 Feb 1954.
B 178 E	Joyson G. Buzby et ux	4.55		Easement Deed for POL pipeline r/w, perpetual from 12 Jun 1954. Right of Entry dated 15 Feb 1954.
D	U.S. Dept of the Interior (BLM)			See Sheet B for total acreage 12.72 acres this sheet.
M	U.S. Dept of Transportation, The Alaska Railroad	51.24		Contract No. 14-04-003-603 dtd 28 Jan 54, Term 1 Feb 54 to 31 Jan 74.

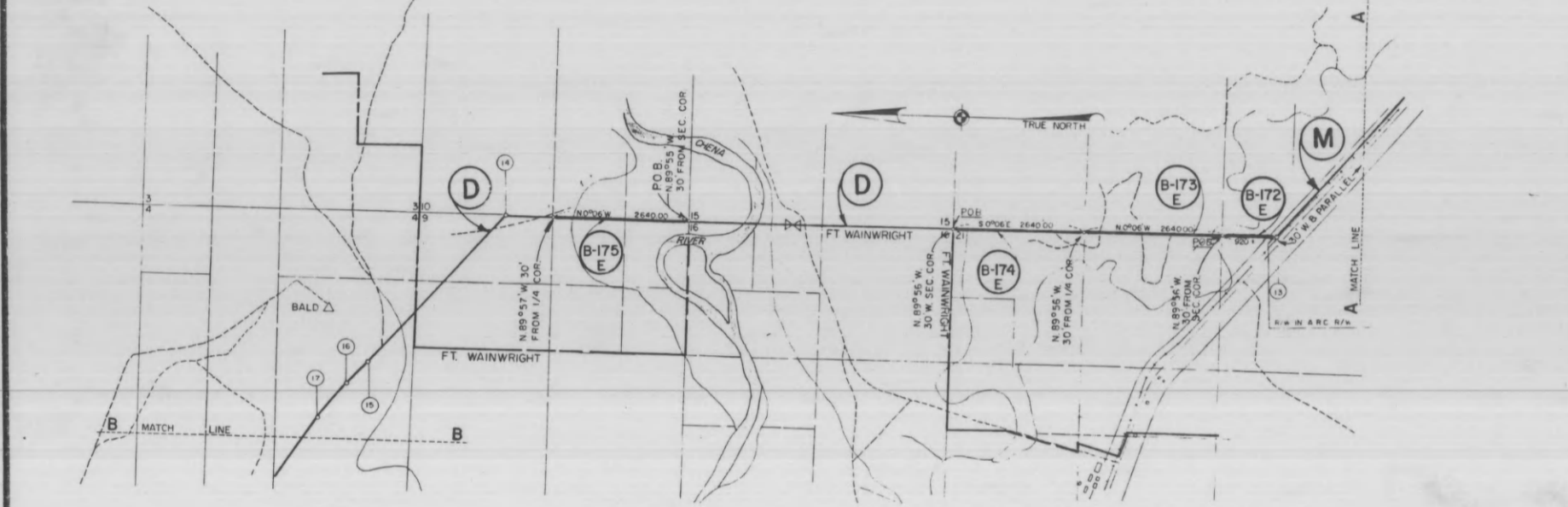


STATE INDEX



VICINITY MAP

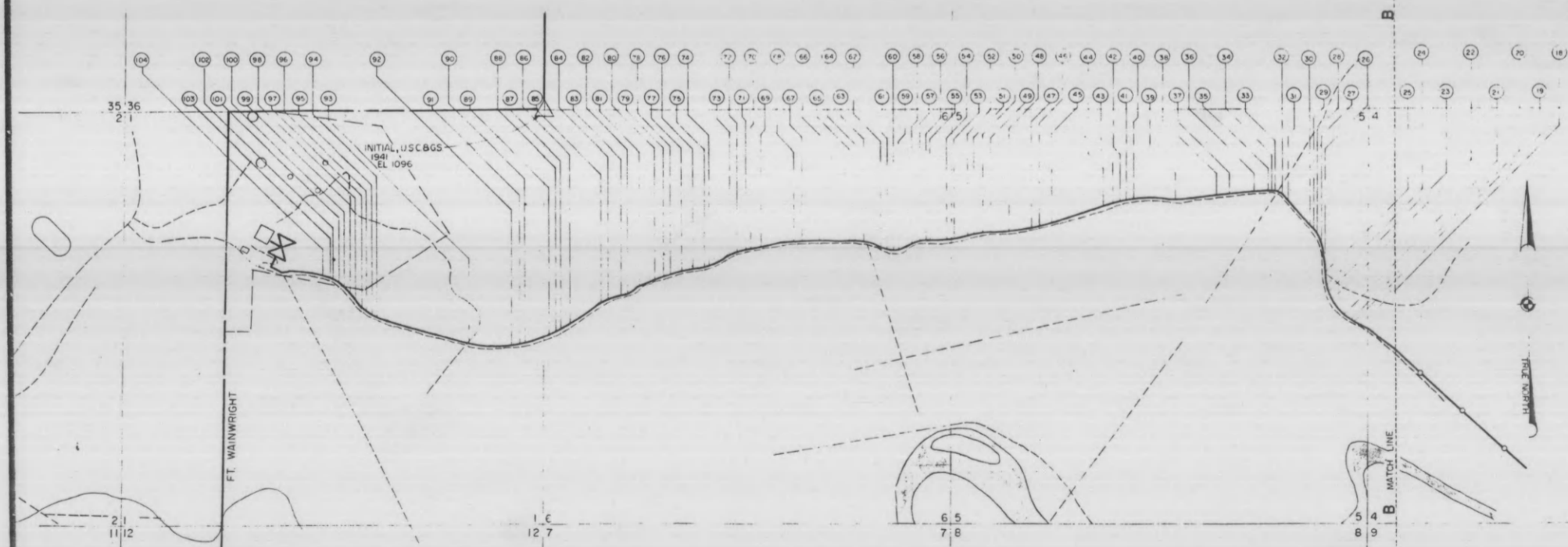
Scale in Miles



Scale 1" = 1700'

**P.I. LEGEND**

No.	Sta	Angle	No.	Sta	Angle	No.	Sta	Angle
(1)	9340+80.2	A 49°00' R	(16)	10069+95.5	A 15°12'00" L	(31)	1020+475	A 09°07'00" R
(2)	9342+20.6	A 49°00' L	(17)	10070+375	A 11°24'30" L	(32)	1021+285	A 09°48'30" R
(3)	9401+67.2	A 52°58'00" R	(18)	10071+375	A 08°35'00" L	(33)	1023+275	A 09°00'30" R
(4)	9434+44.1	A 09°50'00" L	(19)	10073+235	A 00°32'30" R	(34)	1023+975	A 09°17'00" L
(5)	9450+90.2	A 09°33'40" R	(20)	10074+115	A 09°00'00" R	(35)	1024+545	A 08°30'00" L
(6)	9483+186.1	A 02°03'30" L	(21)	10074+425	A 04°51'00" L	(36)	1025+605	A 08°16'30" L
(7)	9492+183.3	A 10°20'36" L	(22)	10080+235	A 10°09'00" L	(37)	1025+605	A 08°16'30" L
(8)	9500+42.0	A 14°05'20" L	(23)	10080+715	A 10°35'00" L	(38)	1027+225	A 09°50'00" R
(9)	9513+64.6	A 09°25'40" L	(24)	10081+255	A 10°28'30" L	(39)	1027+745	A 09°30'00" R
(10)	9519+59.6	A 11°46'30" L	(25)	10082+995	A 09°42'30" L	(40)	1028+195	A 09°42'00" R
(11)	9529+169.6	A 02°23'15" L	(26)	10086+115	A 00°34'00" R	(41)	1029+595	A 09°17'00" R
(12)	9591+34.1	A 24°27'30" R	(27)	10087+775	A 02°16'00" L	(42)	1031+465	A 09°26'30" L
(13)	9639+15.9	A 49°25" R	(28)	10092+775	A 02°19'30" R	(43)	1032+695	A 09°45'00" L
(14)	9992+485	A 49°04'20" L	(29)	10098+115	A 09°05'00" L	(44)	1033+315	A 09°20'00" L
(15)	10011+645	A 00°16'30" L	(30)	10099+665	A 04°38'00" L	(45)	1037+795	A 09°16'00" R
(16)	10041+115	A 00°43'30" L	(31)	10099+825	A 09°45'00" L	(46)	1039+435	A 09°10'00" L
(17)	10048+115	A 02°14'30" L	(32)	10100+495	A 09°06'30" L	(47)	1040+255	A 04°24'30" L
(18)	10058+125	A 18°19'30" L	(33)	10101+895	A 04°57'30" R	(48)	1044+735	A 08°11'00" L
(19)	10059+005	A 09°47'30" R	(34)	10108+365	A 09°40'30" L	(49)	1046+395	A 03°16'00" R
(20)	10059+475	A 12°49'00" R	(35)	10110+005	A 13°27'00" R	(50)	1046+955	A 04°48'00" R
(21)	10060+375	A 06°18'00" R	(36)	10110+725	A 08°16'30" R	(51)	1047+195	A 09°10'00" L
(22)	10063+095	A 04°42'30" R	(37)	10113+715	A 04°21'30" R	(52)	1051+635	A 09°28'30" L
(23)	10064+005	A 12°14'00" R	(38)	10116+115	A 09°44'00" L	(53)	1051+115	A 04°09'00" R
(24)	10064+885	A 12°28'30" R	(39)	10117+115	A 03°03'30" R	(54)	1053+465	A 03°36'00" R
(25)	10065+595	A 09°50'00" R	(40)	10118+195	A 03°02'00" L	(55)	1055+115	A 04°16'00" R
(26)	10069+265	A 04°47'00" L	(41)	10118+625	A 05°58'00" L	(56)	1056+425	A 02°34'00" L



Scale 1" = 1000'

# TENTATIVE FINAL PROJECT MAP

DEPT. OF THE ARMY  
USING SERVICE USARAL

LOCATION OF PROJECT  
STATE ALASKA  
STATE JUDICIAL DISTRICT FOURTH  
DIVISION NORTH PACIFIC  
DISTRICT ALASKA

ALASKAN COMMAND  
MILES OF  
MILES OF

TRANSPORTATION FACILITIES  
RAILROADS THE ALASKA RAILROAD  
STATE ROADS RICHARDSON & STEESE HWYS  
FEDERAL ROADS  
AIR LINES ALASKA, WIEN CONSOLIDATED, PAN AMERICAN WORLD AIRWAYS

ACQUISITION  
TOTAL ACRES ACQUIRED  
SEE  
PUBLIC DOMAIN WITHDRAWAL  
USE PERMIT  
USE PERMIT (OTHER THAN P. D.)  
TRANSFER  
LEASE  
LESSER INTERESTS

DISPOSAL  
TOTAL ACRES DISPOSED OF  
SOLD  
PUBLIC DOMAIN WITHDRAWAL  
USE PERMIT  
USE PERMIT (OTHER THAN P. D.)  
TRANSFERRED  
LEASES TERMINATED  
LESSER INTERESTS TERM.  
REASSIGNED  
OTHER

LEGEND  
EXCEPT FOR THE SPECIAL SYMBOLS SHOWN BELOW MAP SYMBOLS ARE STANDARD IN ARMY MAP SERVICE TECHNICAL MANUAL NO. 23.  
RESERVATION LINE  
RESERVATION LINE (Actual Survey)  
TRACT BOUNDARY LINE  
TRACT NUMBER  
CONTOUR LINE  
DISPOSAL

ACQUISITION AUTHORIZATION  
RE-D 5561 DATED 14 NOV 52.

DEPARTMENT OF THE ARMY  
OFFICE OF THE ALASKA DISTRICT ENGINEER  
NORTH PACIFIC DIVISION

REAL ESTATE  
ALASKAN PETROLEUM PIPELINE SYSTEM  
HAINES-FAIRBANKS DIVISION  
MILITARY RESERVATION

DRAWN BY: MSS  
TRACED BY: MSS  
CHECKED BY: H.H.H.  
SUBMITTED BY:  
RECOMMENDED BY:  
APPROVED BY: [Signature] DATE: 15 July 1969

OFFICE, CHIEF OF ENGINEERS, WASHINGTON 25, D. C.

**AUDITED**  
INSTALLATION OR PROJECT NO. G1-1-0006

2 Nov 72 Added Tract M  
30 Apr 69 Due to Final Audit

DATE REVISIONS

Scale AS SHOWN  
1700 800 1700  
SHEET 22 OF 22 DRAWING NO. AA-77-3

PREVIOUS EDITION MAY BE USED



478

PLAN

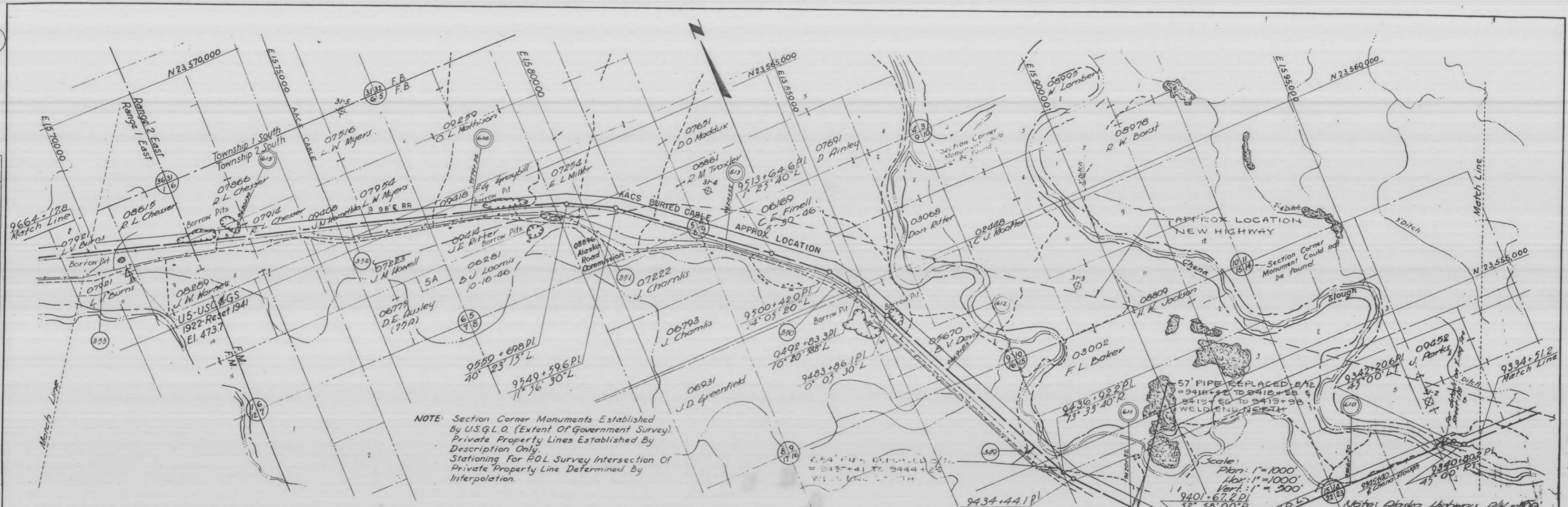
DATE: \_\_\_\_\_ BY: \_\_\_\_\_

NO. \_\_\_\_\_

NOTE: BOOK \_\_\_\_\_

ALIGNED CHECKED \_\_\_\_\_

RT. OF WAY CHECKED \_\_\_\_\_



NOTE: Section Corner Monuments Established By U.S.G.L.O. (Extent Of Government Survey) Private Property Lines Established By Description Only. Stationing For P.O.L. Survey Intersection Of Private Property Line Determined By Interpolation.

Scale: Plan: 1"=1000' Hor: 1"=1000' Vert: 1"=200'

Note: Alaska Highway, R/W = 200' Each Side of E.

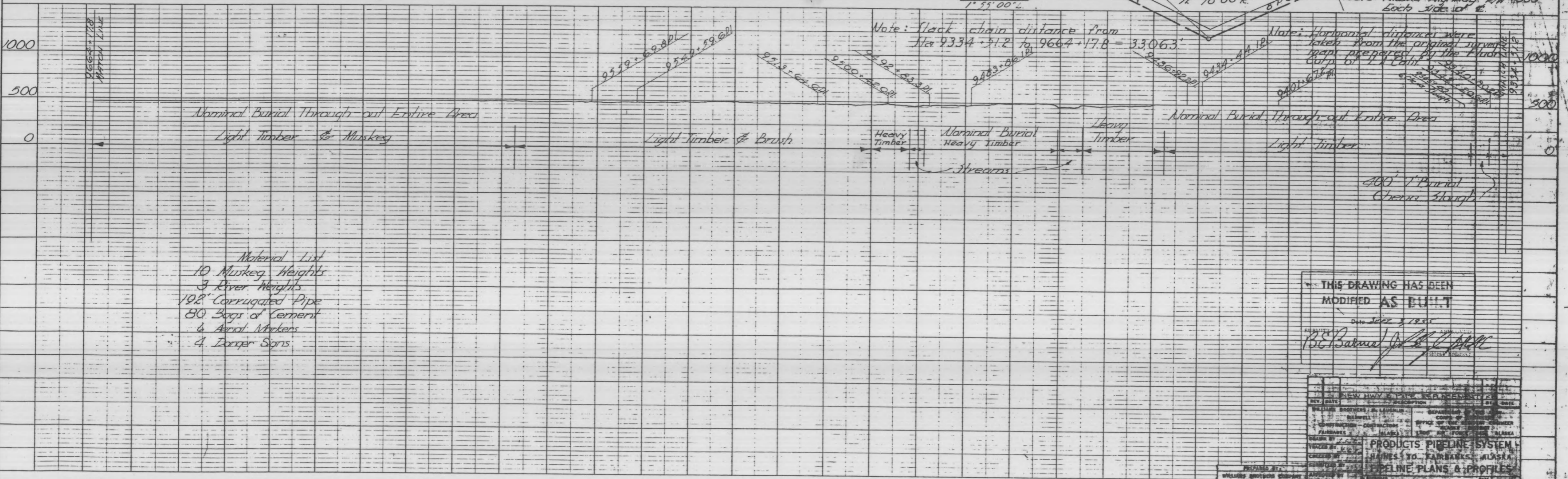
PROFILE

DATE: \_\_\_\_\_ BY: \_\_\_\_\_

NO. \_\_\_\_\_

NOTE: BOOK \_\_\_\_\_

STRUCTURE NOTED (S-C-R-D) \_\_\_\_\_



Material List  
 10 Muskeg Heights  
 3 River Heights  
 198' Corrugated Pipe  
 80 Bags of Cement  
 6 Aerial Markers  
 4 Digger Saws

THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE: 3/22/55  
 B.C. Barmann

WILLIAMS BROTHERS COMPANY  
 ENGINEERS - ARCHITECTS  
 1000 EAST 10TH AVENUE  
 DENVER, COLORADO

DRAWING NUMBER

DRAWING NUMBER

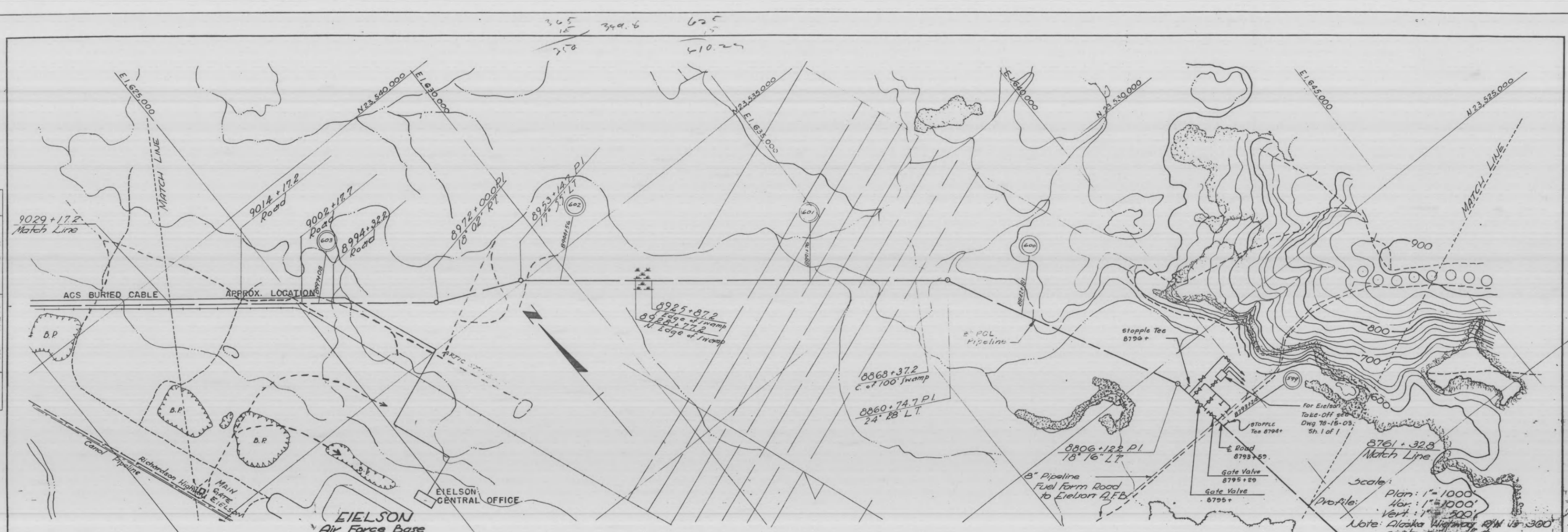
DRAWING NUMBER

DRAWING NUMBER

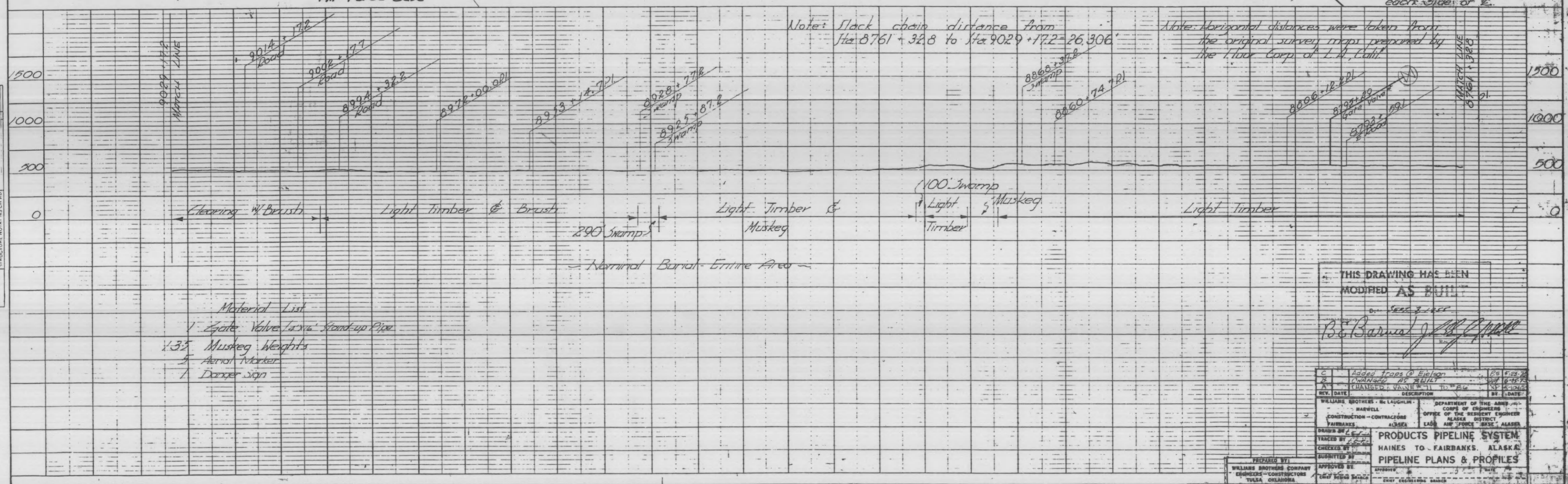


LLC

PLAN  
 SURVEYED  
 PLOTTED  
 ALIGNED  
 CHECKED  
 NOTE BOOK  
 NO. OF ANY CHECKED  
 NO.



PROFILE  
 SURVEYED  
 GRADES CHECKED  
 PLOTTED  
 NOTE BOOK  
 NO.



- Material List
- 1 Gate Valve / 4 1/2" Stand-up Pipe
  - 1.35 Muskeg Weights
  - 1 Aerial Marker
  - 1 Danger sign

THIS DRAWING HAS BEEN  
 MODIFIED AS SHOWN  
 BY: [Signature]  
 DATE: [Date]

REV.	DATE	DESCRIPTION	BY	DATE
1		Added Sta 8761+32.8		
2		Changed AS BUILT		
3		Changed Stationing to Sta 8761+32.8		

WILLIAMS BROTHERS - Mc LUGHLIN DEPARTMENT OF THE ARMY  
 MARVELLA OFFICE OF THE RESIDENT ENGINEER  
 FAIRBANKS, ALASKA EARTH AND SPACE BRANCH, ALASKA  
 CONSTRUCTION - CONTRACTORS ALASKA DISTRICT  
 FAIRBANKS, ALASKA  
 DRAWN BY: [Name]  
 CHECKED BY: [Name]  
 SUBMITTED BY: [Name]  
 APPROVED BY: [Name]  
 DATE: [Date]

**PRODUCTS PIPELINE SYSTEM  
 HAINES TO FAIRBANKS, ALASKA  
 PIPELINE PLANS & PROFILES**

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER



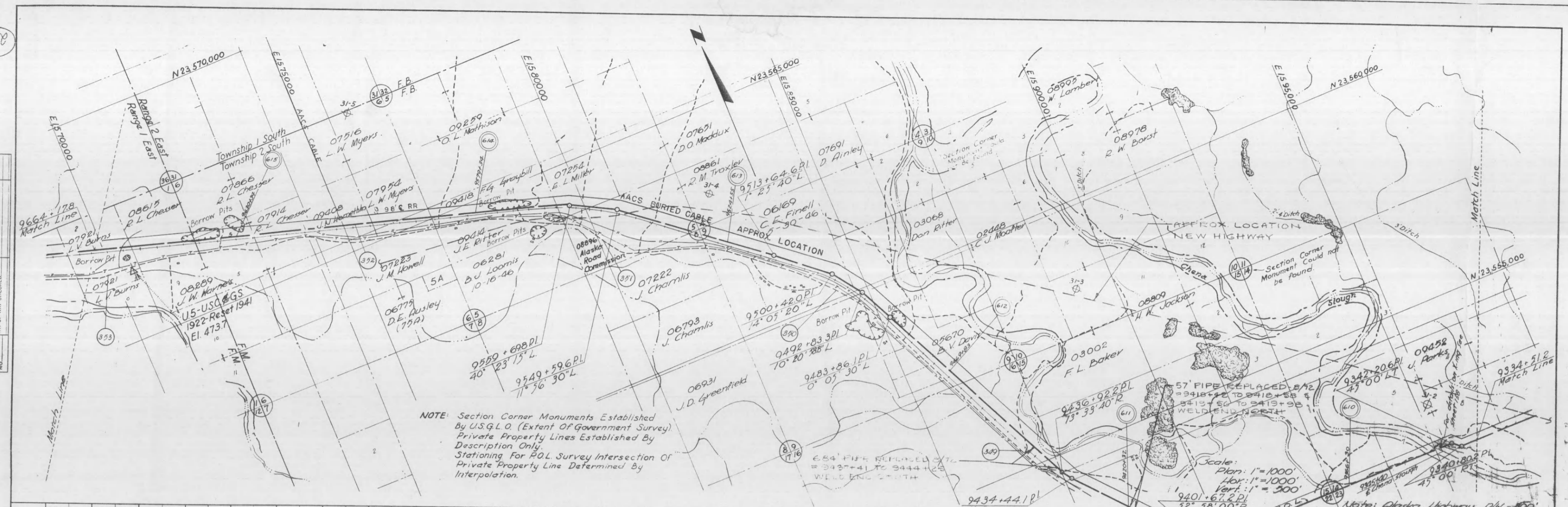




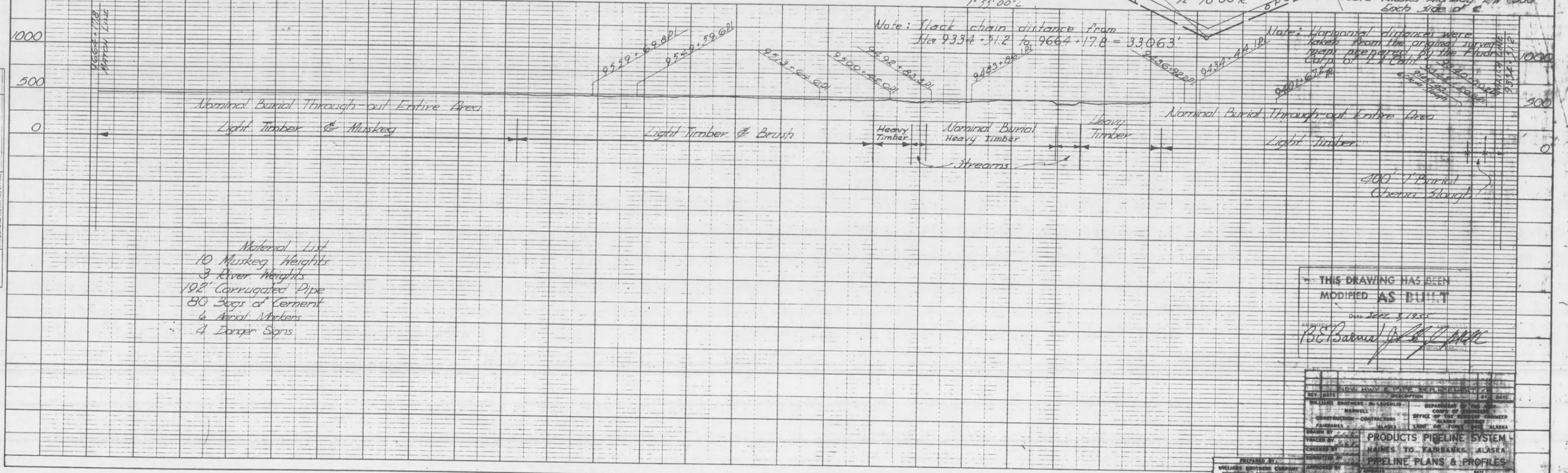
478

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLANNED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_  
 ALIGNMENT CHECKED \_\_\_\_\_  
 RT. OF WAY CHECKED \_\_\_\_\_

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PROFILE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED \_\_\_\_\_



NOTE: Section Corner Monuments Established By U.S.G.L.O. (Extent Of Government Survey) Private Property Lines Established By Description Only. Stationing For P.O.L. Survey Intersection Of Private Property Line Determined By Interpolation.



Material List  
 10 Muskog Heights  
 3 River Heights  
 108' Corrugated Pipe  
 80 Bags of Cement  
 4 Aerial Markers  
 4 Dancer Signs

THIS DRAWING HAS BEEN MODIFIED AS BUILT  
 Date 2002.3.1955  
 B.E. Barwell

REV. DATE	DESCRIPTION	BY	DATE

WILLIAMS BROTHERS - AN LAUNCHER - DEPARTMENT OF THE ARMY  
 BARWELL COMPANY  
 CONTRACTORS - OFFICE OF THE ASSISTANT CHIEF OF STAFF  
 FAIRBANKS, ALASKA - LEADS AIR FORCE, STATE ALASKA

PREPARED BY: WILLIAMS BROTHERS COMPANY  
 ENGINEER - CONSTRUCTION  
 TULSA, OKLAHOMA



448

PLAN

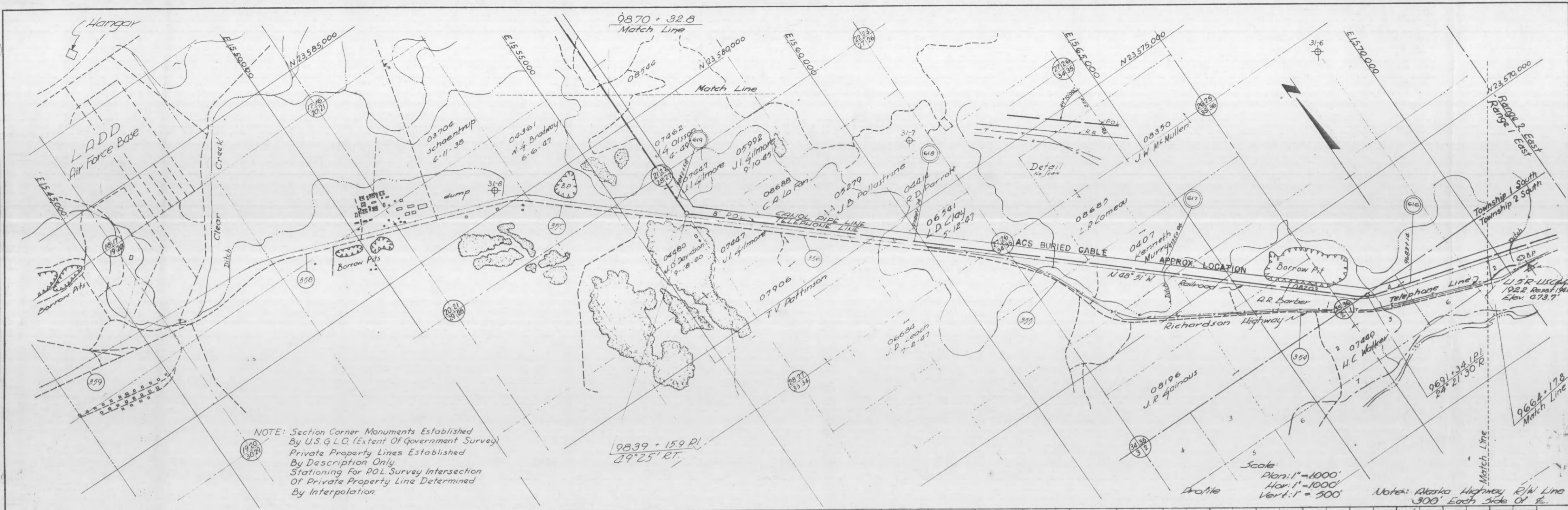
DATE: \_\_\_\_\_ BY: \_\_\_\_\_

SURVEYED \_\_\_\_\_

PLOTTED \_\_\_\_\_

NOTE BOOK ALIGNED CHECKED \_\_\_\_\_

NO. \_\_\_\_\_



NOTE: Section Corner Monuments Established By U.S. G.L.O. (Extent Of Government Survey)  
Private Property Lines Established By Description Only  
Stationing For P.O.L. Survey Intersection Of Private Property Line Determined By Interpolation.

Scale  
Plan: 1" = 1000'  
Hor: 1" = 1000'  
Vert: 1" = 500'

Note: Alaska Highway R/W Line 300' Each Side of E.

PROFILE

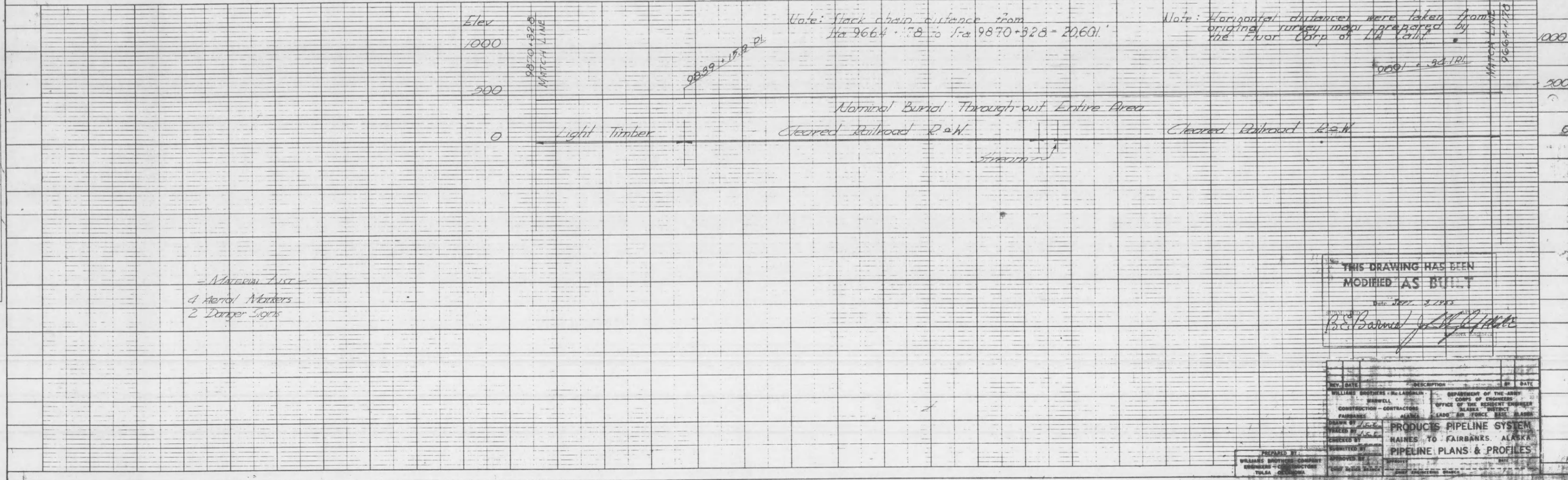
DATE: \_\_\_\_\_ BY: \_\_\_\_\_

SURVEYED \_\_\_\_\_

PLOTTED \_\_\_\_\_

NOTE BOOK GRADES CHECKED \_\_\_\_\_

NO. \_\_\_\_\_



- Material List  
4 Aerial Markers  
2 Danger Signs

THIS DRAWING HAS BEEN MODIFIED AS BUILT

Date: 1947. 3. 24. 48

*P.E. Barman*

REV.	DATE	DESCRIPTION	BY	DATE
1				
2				

SERIAL NO. ENG. 95-507-54.1

PREPARED BY: WILLIAMS BROTHERS & COMPANY, ENGINEERS - CONTRACTORS, TULSA, OKLAHOMA

APPROVED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

PROJECT: PRODUCTS PIPELINE SYSTEM, FAIRBANKS, ALASKA

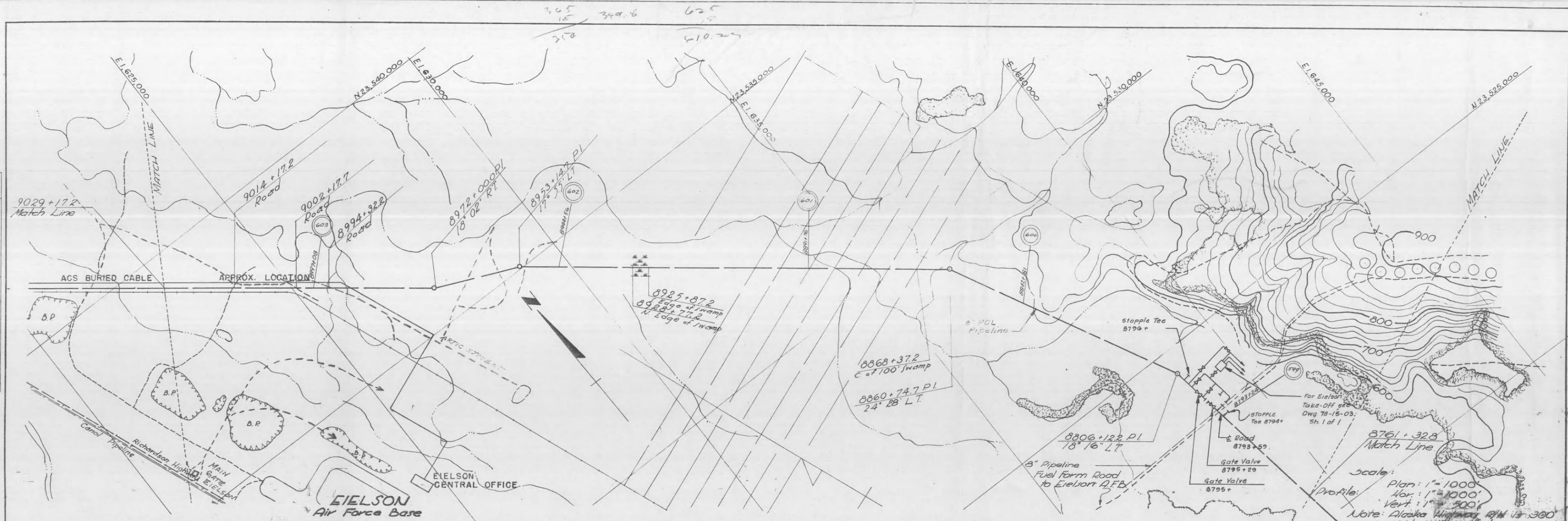
SHEET NO. 70-18-06

SHT. 10 OF 17



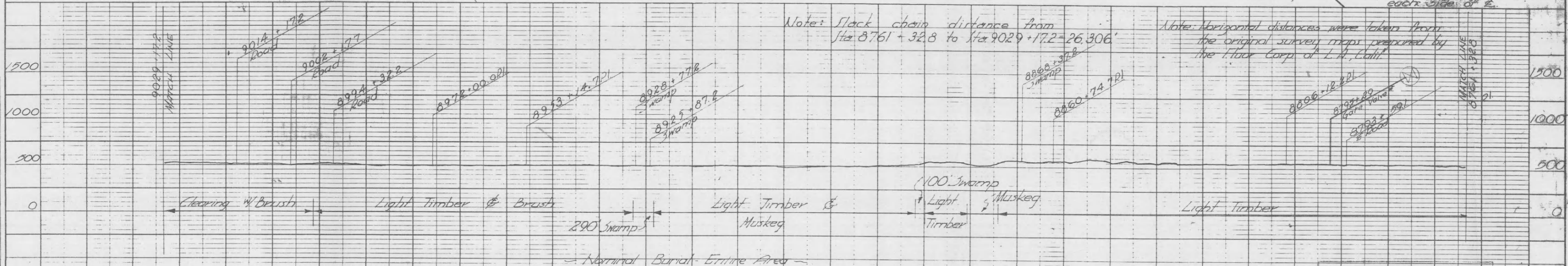
LLP

DATE: \_\_\_\_\_  
 PLAN  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 GRADES CHECKED \_\_\_\_\_  
 NOTE BOOK ALIGNED CHECKED \_\_\_\_\_  
 RT. OF WAY CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_



Scale:  
 Plan: 1" = 1000'  
 Hor: 1" = 1000'  
 Vert: 1" = 300'  
 Note: Alaska Highway R/W is 300' each side of E.

DATE: \_\_\_\_\_  
 PROFILE  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 GRADES CHECKED \_\_\_\_\_  
 NOTE BOOK ALIGNED CHECKED \_\_\_\_\_  
 RT. OF WAY CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_



Note: Slack chain distance from Sta 8761+32.8 to Sta 9029+17.2 = 26,306'

Note: Horizontal distances were taken from the original survey maps prepared by the Litch Corp of L.A., Calif.

- Material List
- 1 Gate Valve 12x16" Stand-up Pipe
  - 135 Muskeg Weights
  - 5 Arrow Marker
  - 1 Danger sign

THIS DRAWING HAS BEEN  
 MODIFIED AS BUILT  
 BY: S.E.C. & P.C.  
 B.E. Barnard

REV. DATE	DESCRIPTION	BY
C	Added traps @ Eielson	PS Feb. 26
B	CHANGED VERTICAL	10/18/58
A	CHANGED VERTICAL	10/18/58
REV. DATE	DESCRIPTION	BY
WILLIAMS BROTHERS - Mc LAUGHLIN	CONSTRUCTION - CONTRACTORS	ALASKA
MARWELL	OFFICE OF THE RESIDENT ENGINEER	ALASKA DISTRICT
FAIRBANKS	LAKE AIR FORCE BRIGADE	ALASKA
PREPARED BY	WILLIAMS BROTHERS COMPANY	ENGINEERS - CONSTRUCTORS
TULSA OKLAHOMA	CHIEF ENGINEER	DATE

DEPARTMENT OF THE ARMY  
 CORPS OF ENGINEERS  
 OFFICE OF THE RESIDENT ENGINEER  
 ALASKA DISTRICT  
 LAKE AIR FORCE BRIGADE  
 ALASKA  
 PRODUCTS PIPELINE SYSTEM  
 HAINES TO FAIRBANKS, ALASKA  
 PIPELINE PLANS & PROFILES