

MICROFILMED
 BY V. Withrow DATE 9-9-66

TERRITORY	PROJECT	YEAR	SHEET No.	TOTAL SHEETS
Alaska	Haines	1949	1	28

As Constructed
 (This Sheet Not Revised)

ALASKA ROAD COMMISSION

PLAN AND PROFILE OF PROPOSED HIGHWAY

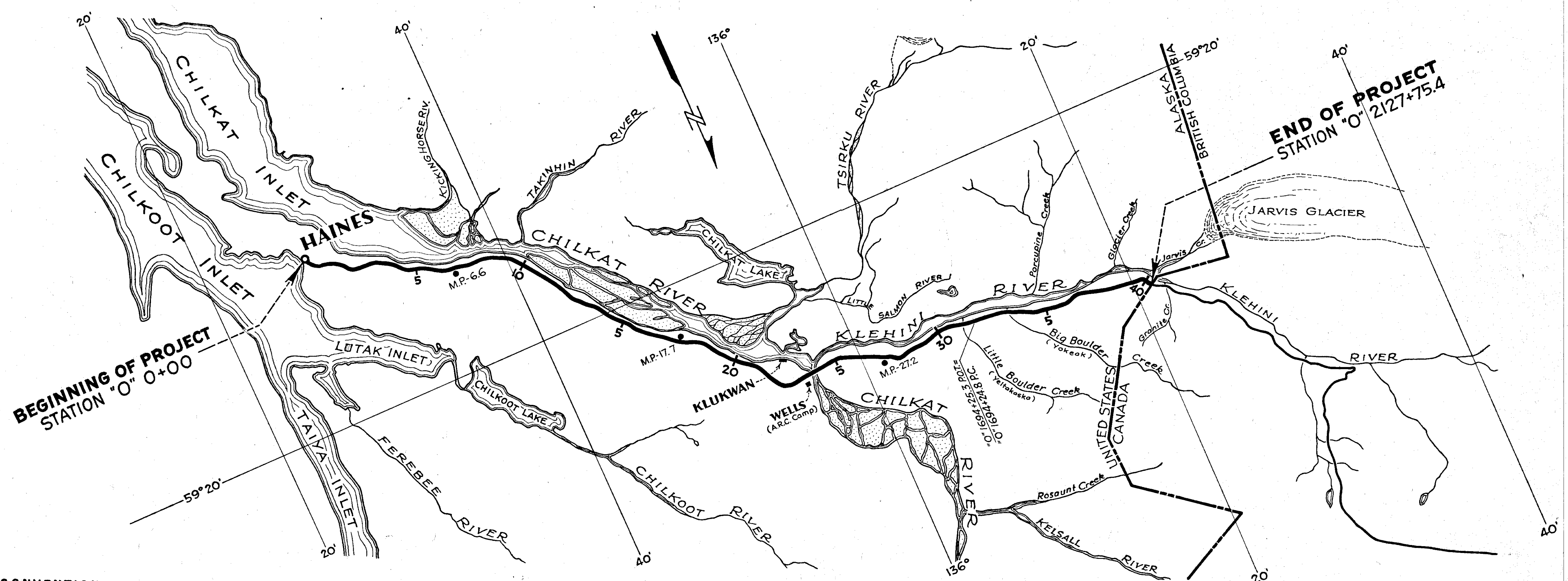
HAINES TO BOUNDARY

INCLUDING SPUR TO TOWN OF HAINES

SCALE AS SHOWN

INDEX OF SHEETS

SHEET No.	DESCRIPTION
1	Title Page
2	Typical Section
3	Estimate and Summaries
4-25	Plan and Profile
26	Standard Culvert Details
27	Standard Construction Signs
28	Standard Barricades



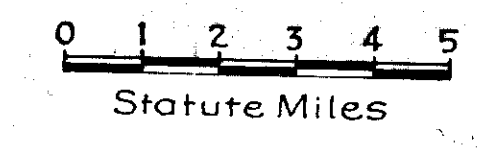
CONVENTIONAL SIGNS

LINE HUB (SET)		CULVERTS	
OR SURVEY LINE		RETAINING WALL	
SHIP LINE		POWER POLE	
ION LINE		TELEPHONE OR TELEGRAPH POLE	
ERVATION LINE		TRAVELED WAY	
VE LINE		MARSH	
T OF WAY LINE		TREES	

PROJECT SUMMARY

DESCRIPTION	HAINES TO BOUNDARY		SPUR TO TOWN OF HAINES		TOTAL PROJECT	
	FEET	MILES	FEET	MILES	FEET	MILES
Length of Project	212,775.9	40.30	1,888.0	0.36	214,663.9	40.66
Length of Roadway	212,043.9	40.16	1,888.0	0.36	213,931.9	40.52
Length of Bridges (4)*	732.0	40.14			732.0	0.14
Length of Grading	212,043.9	40.16	1,878.9	0.36	213,922.8	40.52
Length of Paving**	212,093.9	40.17	1,888.0	0.36	213,981.9	40.53

* No BRIDGE CONSTRUCTION UNDER THIS CONTRACT
 ** BRIDGE BETWEEN STA. "0" 1665+60.0 AND "0" 1666+10.0 To Be PAVED



APPROVED DATE *May-5-1949*

 CHIEF ENGINEER
 ALASKA ROAD COMMISSION

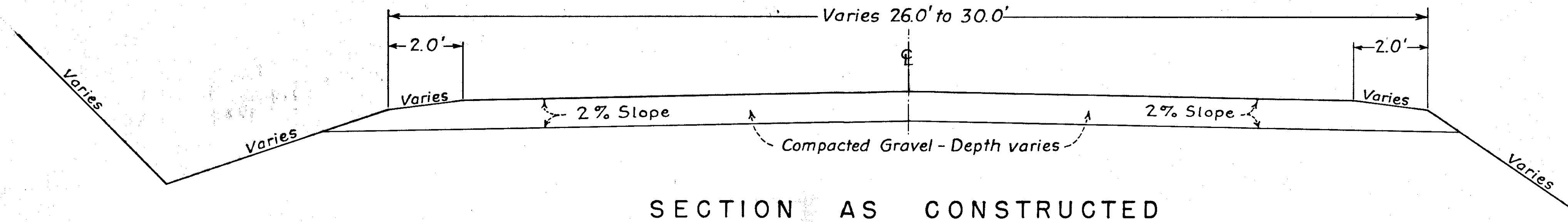
GENERAL NOTES

1. Alignment and grades are subject to adjustment
2. Depths of surfacing and base courses are compacted thicknesses
3. Curves shall be widened and superelevated as directed by the Engineer.
4. Approaches to side roads shall be constructed where noted on the plans or directed by the Engineer, to conform with lines grades and surfacing limits as staked by the Engineer.
5. Available material deposits are listed on Sheet No. 3.
Preliminary investigation indicates ample quantities available in all cases.

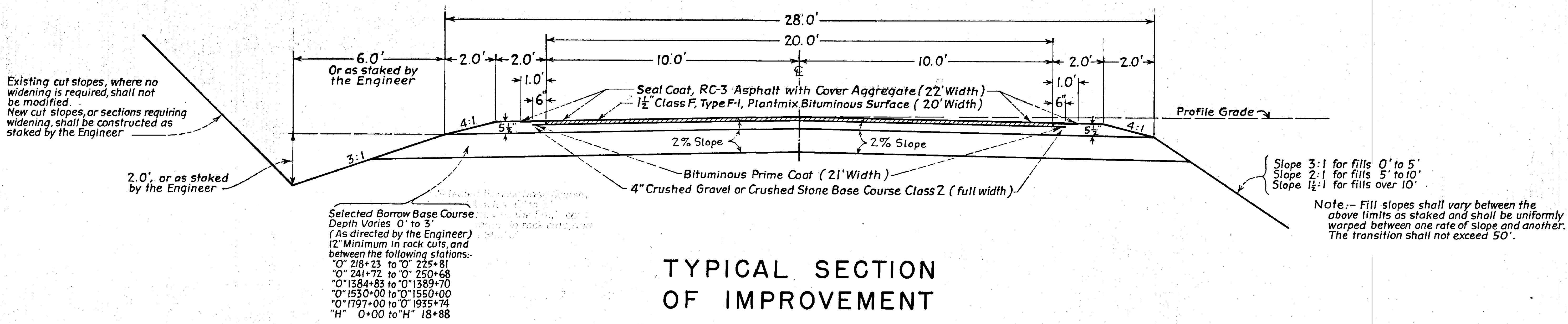
MICROFILMED
 W. W. Withrow DATE 9.9.66

TERRITORY	PROJECT	YEAR	SHEET No.	TOT SHE
Alaska	Haines	1949	2	28

(This Sheet Not Revised)



SECTION AS CONSTRUCTED



MICROFILMED

By *W. Withrow* DATE *9-2-66*

SUMMARY OF GRADING

STATION	EXCAVATION CU. YD.	EMBANKMENT CU. YD.	UNAUTHORIZED		SELECTED BORROW BASE CU. YD.	STATION	EXCAVATION CU. YD.	EMBANKMENT CU. YD.	UNAUTHORIZED		SELECTED BORROW BASE CU. YD.
			CUT	FILL					CUT	FILL	
0+00						0+1300+00					
20+00	74.1	63.8	15	32	284.5	1320+00	329	900	0	0	159
40+00	99.1	229	0	39	1500	1340+00	818	704	0	0	461
60+00	46	4858	0	51	3830	1360+00	1069	1239	0	0	976
80+00	108	3216	14	24	4460	1380+00	1646	1911	0	0	514
100+00	330	1338	16	3	2440	1384+83	39	113	0	0	47
120+00	1335	0	4	36	1844	1389+70	1337	1347	0	0	0
140+00	4122	0	0	0	4657	1400+00	299	450	0	0	0
160+00	2033	0	0	0	3836	1420+00	2133	2133	0	0	114
180+00	1189	0	124	0	1947	1440+00	774	954	0	0	660
200+00	44	696	2	13	1610	1460+00	848	1010	0	0	977
218+23	124	581	0	0	2105	1480+00	541	122	0	0	1584
225+81	12868	1234	239	0	10	1500+00	771	291	0	0	1263
241+72	1884	575	0	44	1130	1520+00	598	761	0	0	2326
250+68	2	1413	0	34	4182	1530+00	160	975	0	0	1645
260+00	0	621	0	0	1364	1552+00	9561	9766	0	648	1081
280+00	128	0	0	0	2534	1560+00	3598	2082	0	944	93
300+00	15	138	1	0	1752	1580+00	470	1282	0	105	435
320+00	294	0	0	0	2290	1600+00	199	617	0	54	805
340+00	48	742	12	0	2075	1620+00	168	0	0	0	1070
360+00	96	0	21	35	1281	1640+00	726	79	0	33	1864
380+00	22	1006	0	0	1309	1660+00	680	0	0	3	1026
400+00	2101	617	23	0	902	1680+00	1517	18	0	0	1298
420+00	224	2109	51	0	808	1700+00	615	2687	0	1086	286
440+00	1787	1516	0	138	745	1720+00	542	406	0	90	551
460+00	822	566	0	277	948	1740+00	590	0	0	141	407
480+00	885	2340	0	0	1399	1760+00	502	91	0	0	1341
483+00	1885	540	0	283	541	1780+00	474	69	0	0	1454
500+00	5	388	0	192	1642	1797+77	1161	3048	0	642	2310
520+00	47	748	0	73	1611	1802+83	38	1056	0	0	94
540+00	152	0	26	34	1744	1809+79	3955	3517	0	0	526
560+00	710	536	0	38	1294	1823+63	13122	12286	0	0	547
580+00	507	0	0	488	2108	1827+86	1107	4034	0	0	270
600+00	432	0	25	395	2389	1836+13	3205	2560	0	0	716
620+00	175	401	10	106	2402	1844+34	1838	2077	0	0	1706
640+00	24	1333	0	208	1455	1844+34	3921	3318	0	0	1882
650+00	29	163	4	142	1033	1851+74	801	272	0	0	1092
680+00	518	1000	0	46	2619	1860+32	980	1240	0	0	643
700+00	186	200	0	0	1732	1866+32	1021	2429	0	0	1484
720+00	556	0	0	22	1259	1874+30	1021	2429	0	0	1484
740+00	151	70	0	526	1085	1882+41	5708	4574	0	0	1688
760+00	99	0	0	105	2108	1882+41	6232	2850	0	0	1662
780+00	134	0	0	86	1355	1890+59	4316	5761	0	0	157
800+00	206	0	0	341	1067	1897+52	4958	4166	0	0	146
820+00	167	0	0	254	830	1905+90	6707	7354	0	0	0
840+00	69	201	0	438	769	1917+09	7900	7900	0	0	76
860+00	88	317	0	118	714	1932+39	261	596	0	0	106
880+00	99	0	0	39	1026	1935+74	64	139	0	0	182
900+00	563	314	0	0	1052	1940+00	154	171	0	0	651
920+00	287	233	0	0	795	1960+00	1890	1272	0	0	61
940+00	324	677	0	120	537	1980+00	898	3322	0	0	61
960+00	425	992	0	0	629	2000+00	1908	486	0	0	1798
980+00	274	179	0	0	364	2020+00	2825	2051	0	72	47
1000+00	797	225	0	32	403	2040+00	460	305	0	0	320
1020+00	798	167	0	0	290	2060+00	823	0	0	32	1491
1040+00	288	412	0	17	492	2080+00	181	1275	412	2	1096
1060+00	751	1532	0	23	431	2100+00	641	167	0	91	1378
1080+00	696	753	0	11	594	2120+00	1349	116	0	0	622
1100+00	386	937	0	184	615	0+127+754					
1120+00	1223	765	0	255	461	H 0+00					
1140+00	819	0	0	151	1323	H 18+789					
1160+00	1128	226	0	89	1286						
1180+00	887	698	47	30	875						
1200+00	1519	1488	785	381	523						
1220+00	1038	1285	0	360	49						
1240+00	400	409	0	146	302						
1260+00	378	287	0	69	345						
1280+00	299	600	0	150	403						
0+1300+00											

MEASURED QUANTITIES

AS CONSTRUCTED

ITEM NO.	QUANTITY	UNIT	ITEM
3		FORCE ACCOUNT	EXTRA AND MISCELLANEOUS FORCE ACCOUNT WORK
24(1)	162787	Cu. Yd.	UNCLASSIFIED EXCAVATION
25(1)	665	Cu. Yd.	UNCLASSIFIED EXCAVATION FOR STRUCTURES
27(2)	163358	Sta. Yd.	OVERHAUL (1000 FEET FREE HAUL)
28(2)	153116	Cu. Yd. Mile	SPECIAL OVERHAUL SELECT BORROW BASE COURSE (1000 FT. FREE HAUL)
29(1)	148579	Cu. Yd.	EXTRA COMPACTION OF EMBANKMENT (CASE-3)
43(1)	36.76	MILE	FINE GRADING SUBGRADE AND SHOULDERS
45(1)	2869	M. GAL.	WATERING OF EMBANKMENT ITEM-29
45(3)	2296	M. GAL.	WATERING OF BASE COURSE ITEMS 50 AND 52A
45(5)	100%	LUMP SUM	PROVIDING AND MAINTAINING WATER PLANTS
48(1)	80.48	ACRE	PIT CLEARING FOR ITEMS 50, 52A, 113 AND 140
48(2)	284.3	Cu. Yd.	PIT STRIPPING FOR ITEMS 50, 52A, 113 AND 140
50(1)	167898	Cu. Yd.	SELECTED BORROW BASE COURSE
52A(1)	102843	Cu. Yd.	CRUSHED GRAVEL OR CRUSHED STONE BASE COURSE CLASS 2 GRADING D-1
110(4)	690.83	TON	MEDIUM CURING CUT BACK ASPHALT GRADE-2, FOR PRIME COAT
113(3)	3841.93	Cu. Yd.	COVER AGGREGATE FOR TYPE 3 SEAL COAT GRADING-B
113(8)	499.14	TON	RAPID CURING CUT BACK ASPHALT GRADE 3, FOR SEAL COAT
140(1)	43821.87	TON	(CLASS F PAVEMENT TYPE F-1) PLANT MIXTURE GRADING A-1
140(9)	2093.40	TON	ASPHALT GRADE 150-200, FOR TYPE F-1
140(10)	5000	TON	DRY PLANT MIX AGGREGATE - GRADING A-1 STOCKPILED
253(1)	20.46	LIN. FT.	18" CORRUGATED GALVANIZED SHEET METAL CULVERT PIPE
253(2)	2.79	LIN. FT.	24" CORRUGATED GALVANIZED SHEET METAL CULVERT PIPE
253(3)	3.17	LIN. FT.	30" CORRUGATED GALVANIZED SHEET METAL CULVERT PIPE
256(2)	70	LIN. FT.	REMOVE CLEAN AND RELAY SALVAGED CULVERT PIPE
253(4)	66 OF 36' x 23' OF 48'	LIN. FT.	36" & 48" CORRUGATED GALVANIZED SHEET METAL CULVERT PIPE

PIPE LIST

STATION	18"	24"	30"	36"	STATION	18"	24"	30"	36"	STATION	18"	24"	30"	36"
1+00	4.4				603+00	6	6			1247+96				
4+00	50				621+30	6				1268+50			30	
6+50	46	26			641+32	2				1314+10				48
11+00	22				651+04	10				1344+50	10			
27+00			14		670+00	8			8	1357+60	4			
47+00			8		685+00		6			1377+57			6	
61+42	4	10			710+00	8				1425+58	5			
65+00	8				729+30	4		4		1481+80			12	
83+00	6				734+50	4			12	1500+00	9			
87+00	9				760+00	18				1513+15			4	
87+50	60		2		775+00	4	2			1533+10				1 of 48
91+00	11				796+50	4				1552+75	40			
94+50	7	8			807+50	2				1585+30	4			
97+00	46				814+50	4				1608+30			6	
106+00	60		42		820+90	6				1642+25		4		
117+00	6				850+50	4				1719+50				22 of 48
119+00	4	3			868+00		6			1825+70			76	
123+00	8		4		894+00	2	4			1831+75	50			
144+25	14				901+00		4			1850+00	86			
147+80	52		57		912+80		6			1863+20	68			
153+00	6				925+00	4			2	1869+00	66			
156+00		10			933+16	4				1870+00	64			
161+60	48				946+50	28				1870+92	56			
174+33	68				954+70	6				1884+80	94			
210+50	16	2			975+00	8				1885+00	28			
227+30	2				1012+00	2			46	1888+00	60		32	
246+50	64 OF REMOVE CLEAN AND RELAY SALVAGED CP				1030+85		2			1891+00	60			
322+00	8				1040+48		6			1896+00	82			
373+38		4			1052+85	2				1903+00	94			
393+00	54				1072+00	10				1919+00	54			
427+25	4				1078+00	10				1926+30	56			
433+00	21				1085+00	6	2			1933+55		28		
454+50	16				1091+00		6			2006+00	10			
457+08	4				1100+00	2	10			2043+25		6		
475+00	22				1113+00									

TERRITORY	PROJECT	YEAR
Alaska	Haines	1949
As Constructed		

MICROFILM

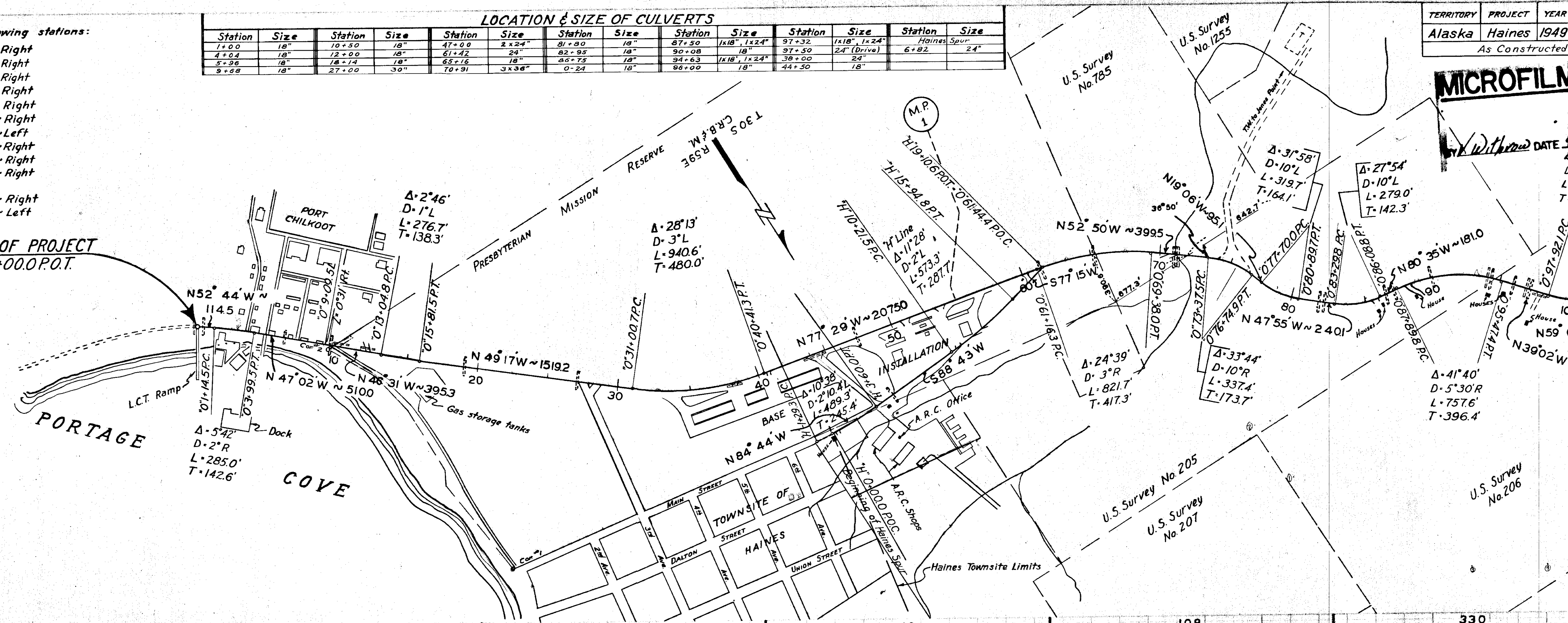
Approaches constructed at the following stations:

- 0+00 ~ Right 40+00 ~ Right
 - 3+35 ~ Left 44+40 ~ Right
 - 4+80 ~ Right 51+00 ~ Right
 - 4+90 ~ Left 54+00 ~ Right
 - 7+10 ~ Left 60+00 ~ Right
 - 9+10 ~ Left 70+80 ~ Right
 - 10+00 ~ Right 75+00 ~ Left
 - 10+00 ~ Left 86+00 ~ Right
 - 13+00 ~ Left 88+50 ~ Right
 - 38+00 ~ Right 97+50 ~ Right
- Haines Spur
- 0+00 ~ Right 12+50 ~ Right
 - 3+74 ~ Rt. & Lt. 17+70 ~ Left
 - 10+50 ~ Left

LOCATION & SIZE OF CULVERTS

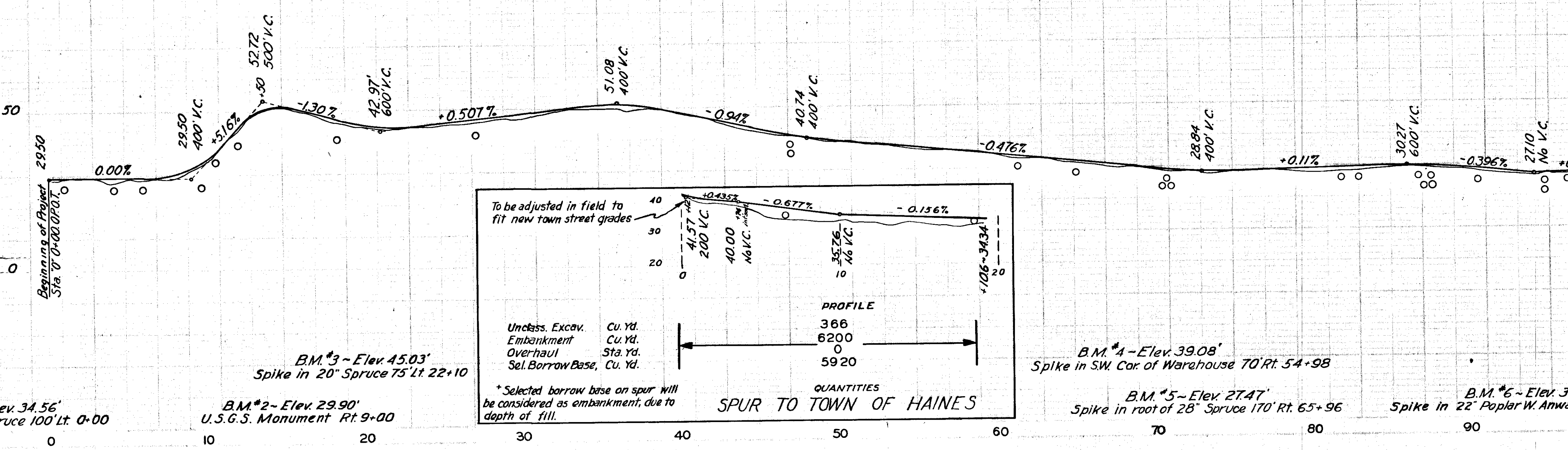
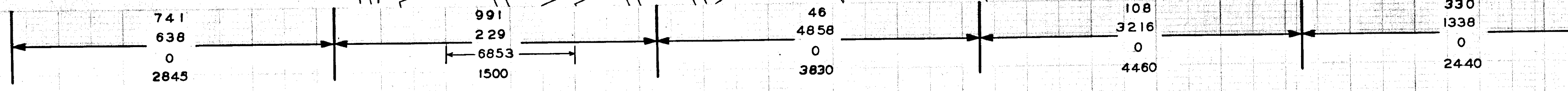
Station	Size	Station	Size	Station	Size	Station	Size	Station	Size	Station	Size	Station	Size
1+00	18"	10+50	18"	47+00	2 x 24"	81+90	18"	87+50	1x18", 1x24"	97+32	1x18", 1x24"	Haines Spur	24"
4+04	18"	12+00	18"	61+42	24"	82+95	18"	90+08	18"	97+50	24" (Drive)	6+82	24"
5+96	18"	18+14	18"	65+16	18"	86+75	18"	94+63	1x18", 1x24"	38+00	24"		
9+68	18"	27+00	30"	70+91	3 x 36"	0+24	18"	86+00	18"	44+50	18"		

BEGINNING OF PROJECT
STA. 0+00.0 P.O.T.



Unclassified Excavation, Cu. yd.	741
Embankment, Cu. yd.	638
Overhaul, Sta. yd.	0
Selected Borrow Base, Cu. yd.	2845

*For Cu. Yd. Mile Overhaul on Selected Borrow Base, see list of Material Deposits, sheet No. 3.



To be adjusted in field to fit new town street grades

Unclass. Excav.	Cu. Yd.	Embankment	Cu. Yd.	Overhaul	Sta. Yd.	Sel. Borrow Base	Cu. Yd.
	366		6200		0		5920

QUANTITIES
SPUR TO TOWN OF HAINES

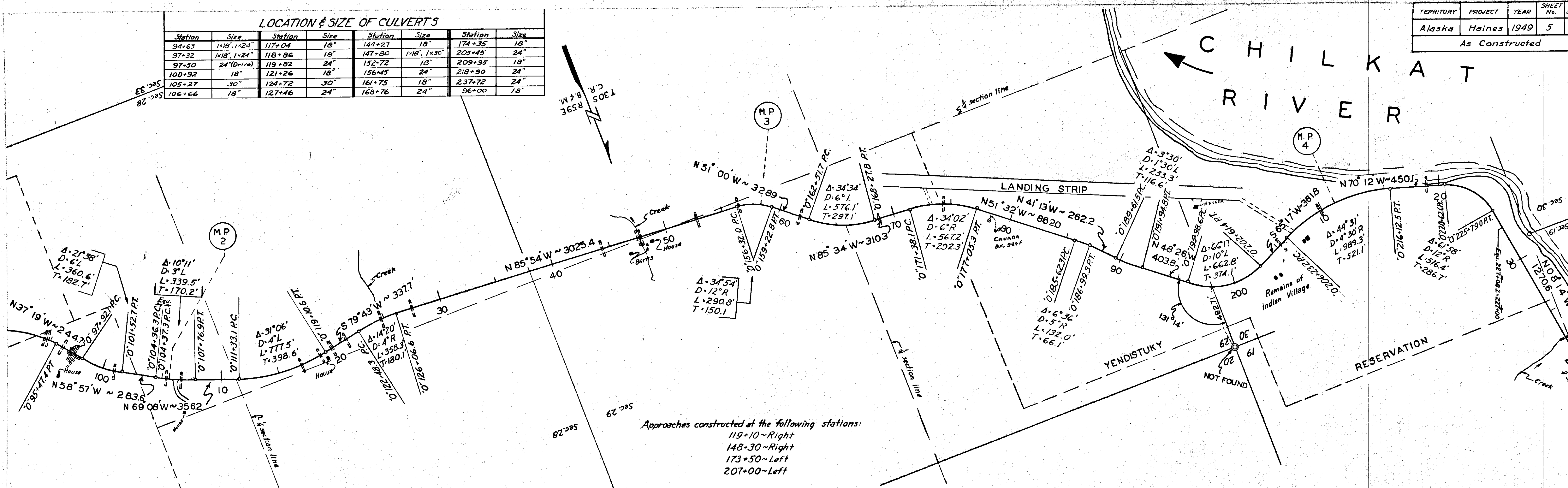
* Selected borrow base on spur will be considered as embankment, due to depth of fill.

TERRITORY	PROJECT	YEAR	SHEET No.
Alaska	Haines	1949	5

As Constructed

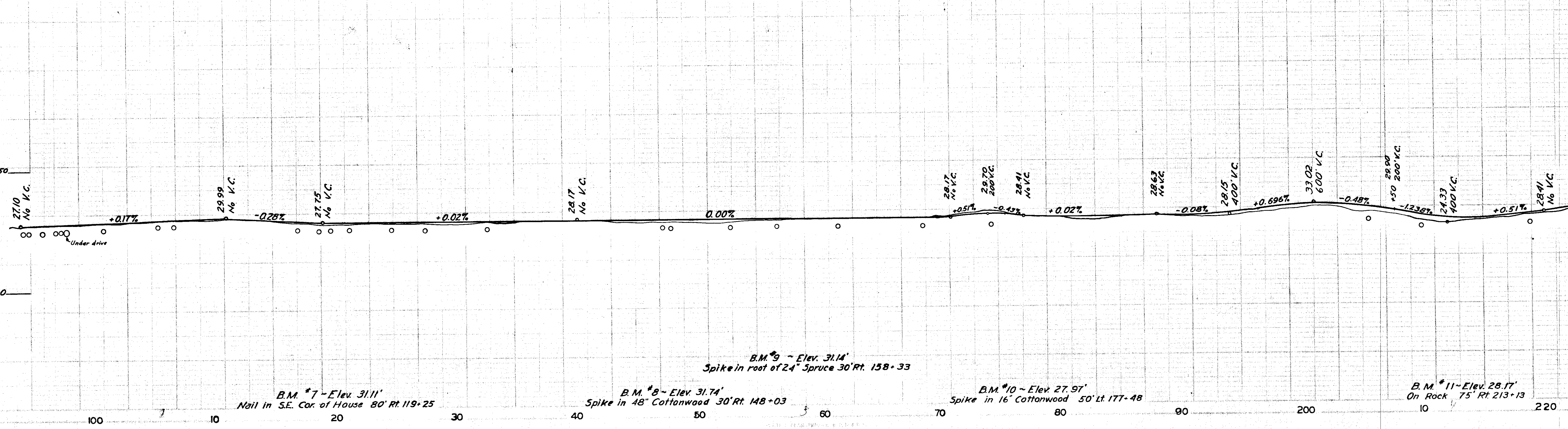
LOCATION & SIZE OF CULVERTS

Station	Size	Station	Size	Station	Size	Station	Size
94+63	1x18" 1x24"	117+04	18"	144+27	18"	174+35	18"
97+32	1x18" 1x24"	118+86	18"	147+80	1x18" 1x30"	205+45	24"
97+50	24" (Drive)	119+82	24"	152+72	18"	209+95	18"
100+92	18"	121+26	18"	156+45	24"	218+90	24"
105+27	30"	124+72	30"	161+75	18"	237+72	24"
106+66	18"	127+46	24"	168+76	24"	296+00	18"



Approaches constructed at the following stations:
 119+10~Right
 148+30~Right
 173+50~Left
 207+00~Left

Station	Unclass. Excav. Cu. yd.	Embankment, Cu. yd.	Overhaul, Sta. yd.	Sel. Bor. Base, Cu. yd.
1335	0	0	1844	
4122	0	0	4857	
2033	0	0	3836	
1189	0	0	1947	
44	696	0	1610	
124	581	0	2105	
1230	0	0	10	



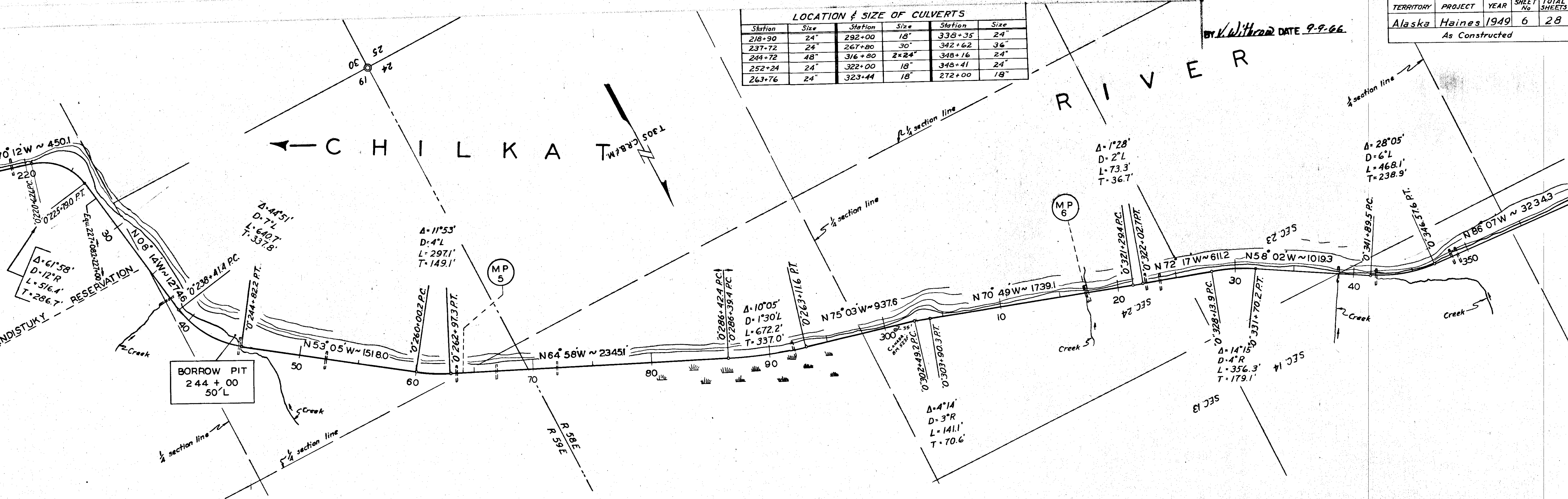
TERRITORY	PROJECT	YEAR	SHEET No	TOTAL SHEETS
Alaska	Haines	1949	6	28

As Constructed

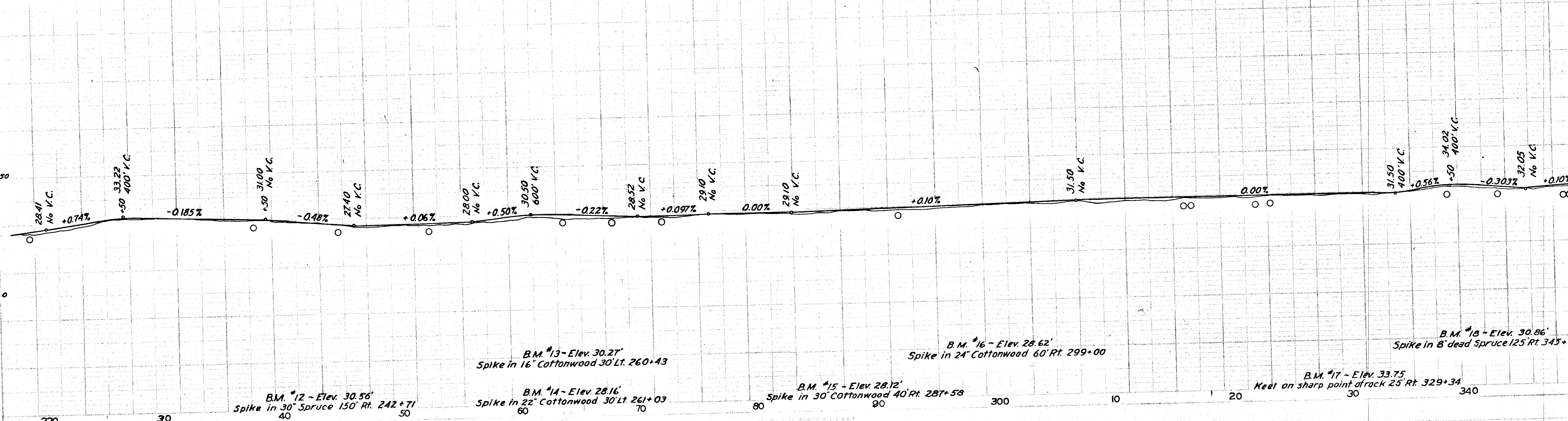
BY *V. Withrow* DATE 9-9-66

LOCATION & SIZE OF CULVERTS

Station	Size	Station	Size	Station	Size
218+90	24"	292+00	18"	338+35	24"
237+72	24"	267+80	30"	342+62	36"
244+72	48"	316+80	2x24"	348+16	24"
252+24	24"	322+00	18"	348+41	24"
263+76	24"	323+44	18"	272+00	18"



Uncl. Excav. Cu. yd.	1884	2	0	128	15	294	48	96
Embankment, Cu. yd.	575	1413	621	0	138	0	742	0
Overhaul, Sta. yd.		429 24	0	0	0	0	0	0
Sel. Borrow Base, Cu. yd.	1130	4182	1364	2534	1752	2290	2075	1281



B.M. #12 - Elev. 30.56'
Spike in 30' Spruce 150' Rt. 242+71

B.M. #13 - Elev. 30.27'
Spike in 16' Cottonwood 30' Lt. 260+43

B.M. #14 - Elev. 28.16'
Spike in 22' Cottonwood 30' Lt. 261+03

B.M. #15 - Elev. 28.12'
Spike in 30' Cottonwood 40' Rt. 287+58

B.M. #16 - Elev. 28.62'
Spike in 24' Cottonwood 60' Rt. 299+00

B.M. #17 - Elev. 33.75'
Keel on sharp point of rock 25' Rt. 329+34

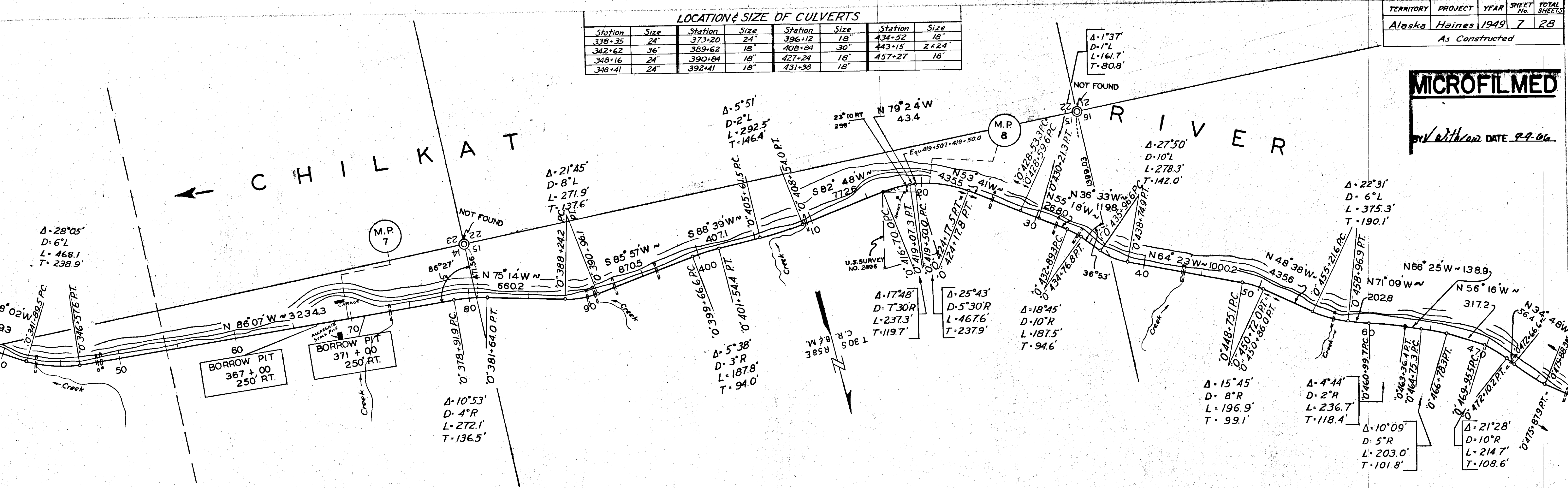
B.M. #18 - Elev. 30.86'
Spike in 8' dead Spruce 125' Rt. 345+

TERRITORY	PROJECT	YEAR	SHEET No.	TOTAL SHEETS
Alaska	Haines	1949	7	28

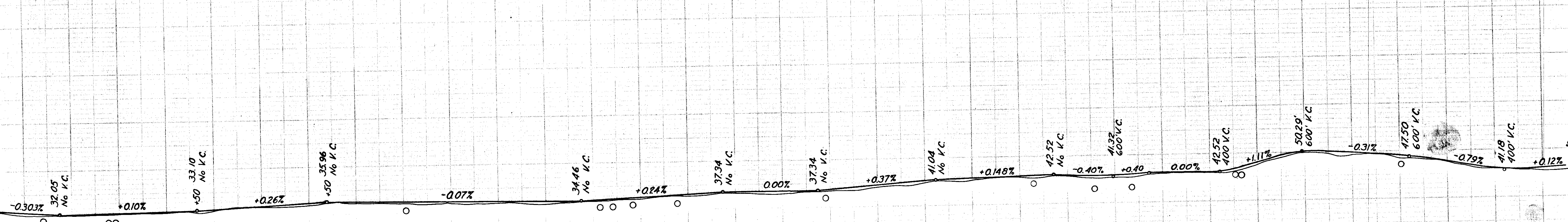
As Constructed

Station	Size	Station	Size	Station	Size	Station	Size
338+35	24"	373+20	24"	396+12	18"	434+52	18"
342+62	36"	389+62	18"	408+84	30"	443+15	2x24"
348+16	24"	390+84	18"	427+24	18"	457+27	18"
348+41	24"	392+41	18"	431+38	18"		

MICROFILMED
 With Date 9-9-06



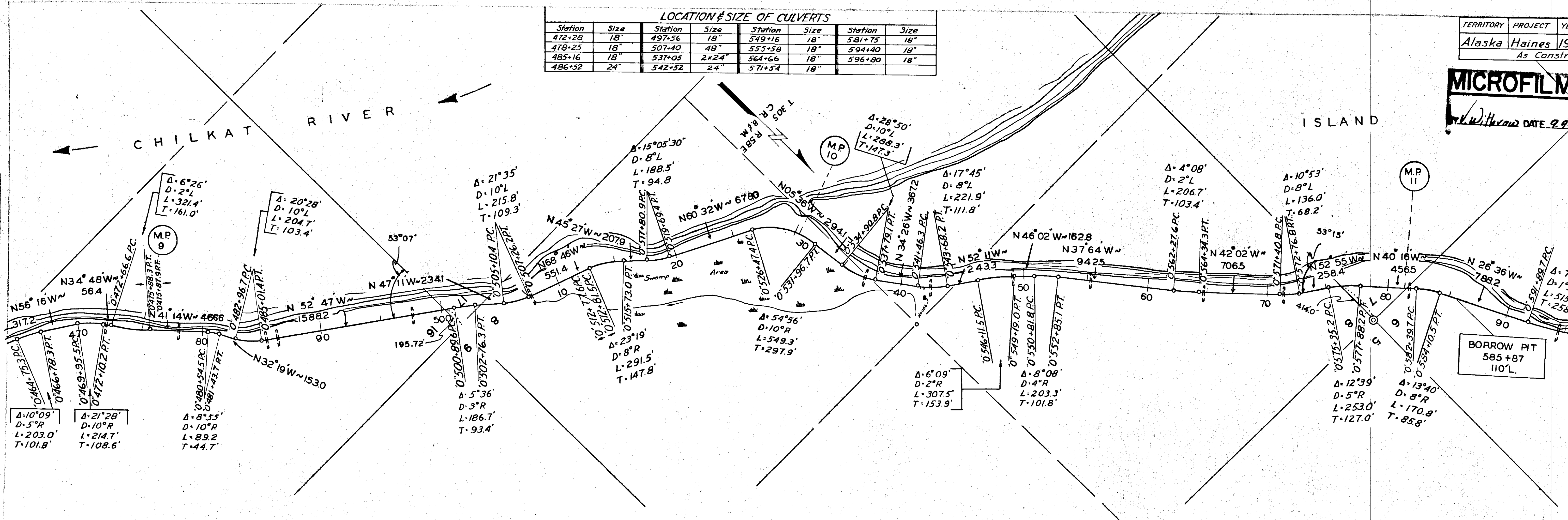
Station	Unclass. Excav., Cu. yd.	Embankment, Cu. yd.	Overhaul, Sta. yd.	Sel. Borrow Base, Cu. yd.
22	22	1006	0	1309
2101	617	0	0	902
224	2109	0	0	808
1787	1316	0	0	745
822	566	0	0	948
885	2340	0	0	1399



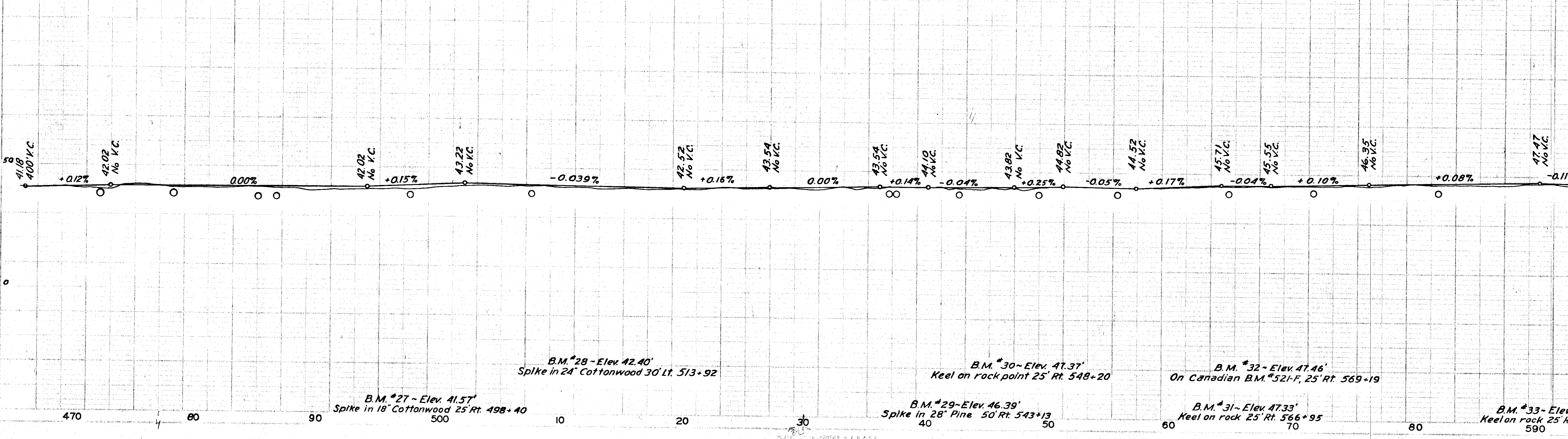
- B.M. #19 - Elev. 32.76' Spike in 60' Cottonwood 40' Rt. 355+74
- B.M. #20 - Elev. 36.88' Spike in 18' Poplar 150' Lt. 370+09
- B.M. #21 - Elev. 38.76' Keel on rock 25' Rt. 379+73
- B.M. #22 - Elev. 36.39' Spike in 12' Birch 80' Rt. 397+79
- B.M. #23 - Elev. 36.94' Spike in 30' Cottonwood 50' Rt. 407+54
- B.M. #24 - Elev. 44.00' On Canadian B.M. #522 F, 30' Rt. 422+02
- B.M. #25 - Elev. 38.23' Spike in 20' Cottonwood 55' Lt. 441+34
- B.M. #26 - Elev. 42.64' Keel on rock 25' Rt. 464+66

MICROFILM
 With Drawn DATE 9.9.4

LOCATION & SIZE OF CULVERTS							
Station	Size	Station	Size	Station	Size	Station	Size
472+28	18"	497+56	18"	549+16	18"	581+75	18"
478+25	18"	507+40	48"	555+58	18"	594+40	18"
485+16	18"	537+05	2x24"	564+66	18"	596+80	18"
486+52	24"	542+52	24"	571+54	18"		



Uncl. Excav., Cu. yd.	1885	5	47	152	710	507	432
Embankment, Cu. yd.	540	388	748	0	536	0	0
Overhaul, Sta. yd.	0	0	0	0	0	0	0
Sel. Borrow Base, Cu. yd.	541	1642	1811	1744	1294	2108	2389



B.M. #27 - Elev. 41.57
 Spike in 18" Cottonwood 25' Rt. 498+40

B.M. #28 - Elev. 42.40
 Spike in 24" Cottonwood 30' Lt. 513+92

B.M. #29 - Elev. 46.39
 Spike in 28" Pine 50' Rt. 543+13

B.M. #30 - Elev. 47.37
 Keel on rock point 25' Rt. 548+20

B.M. #31 - Elev. 47.33
 Keel on rock 25' Rt. 566+95

B.M. #32 - Elev. 47.46
 On Canadian B.M. #521-F, 25' Rt. 569+19

B.M. #33 - Elev. 47.46
 Keel on rock 25' Rt. 590

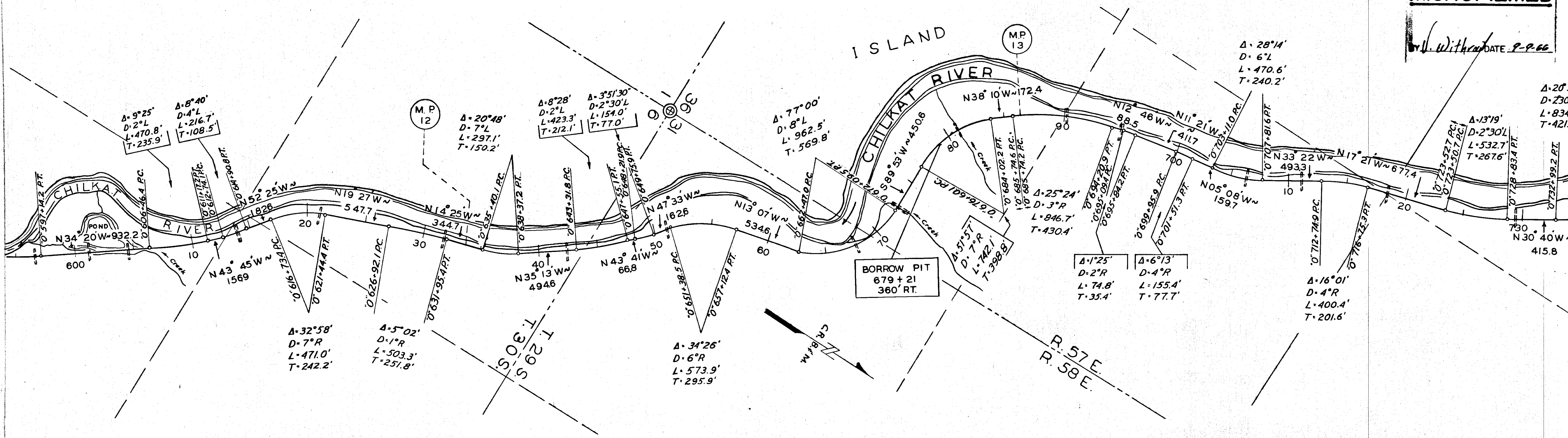
TERRITORY	PROJECT	YEAR	SHEET No.	TOTAL SHEETS
Alaska	Haines	1949	9	20
As Constructed				

MICROFILMED

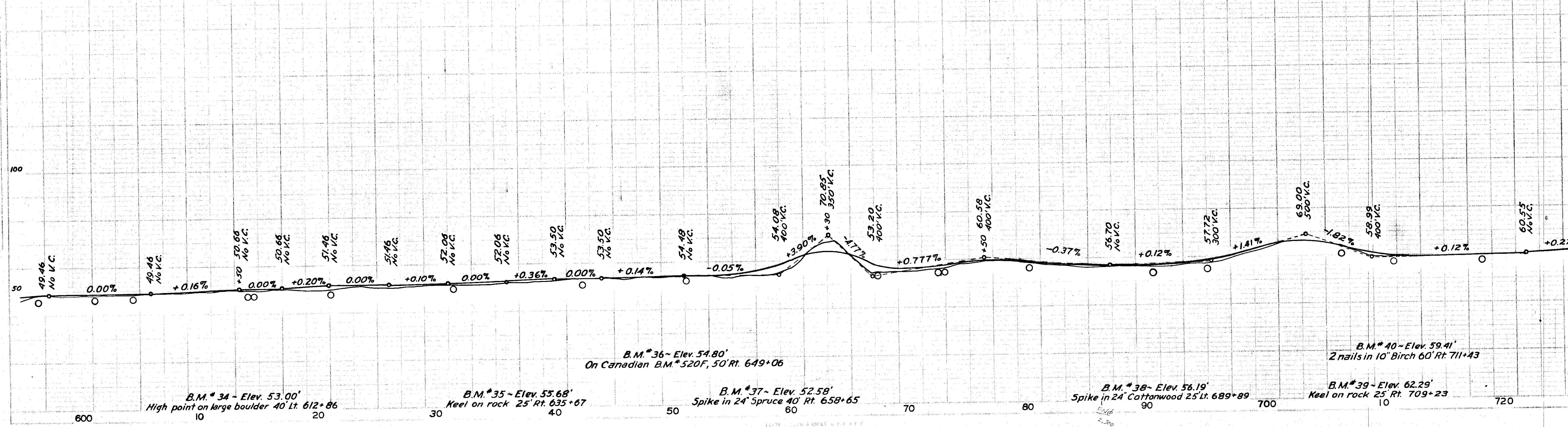
W. Withers DATE 9-9-66

LOCATION & SIZE OF CULVERTS

Station	Size	Station	Size	Station	Size	Station	Size	Station	Size	Station	Size
596+80	18"	644+08	2x24"	642+37	18"	672+66	2x36"	695+06	24"	718+55	24"
601+32	24"	621+24	18"	651+08	18"	680+08	24"	706+82	18"	729+28	18"
604+75	24"	631+85	18"	667+60	18"	690+28	24"	711+04	18"		



Unclass. Excav. Cuyd.	175	24	29	518	186	556	151
Embankment, Cuyd.	401	1333	163	1000	200	0	70
Overhaul, Sta. yd.	0	0	0	0	0	0	0
Sel. Bor. Base, Cuyd.	2402	1455	1033	2619	1732	1259	1085



LOCATION & SIZE OF CULVERTS

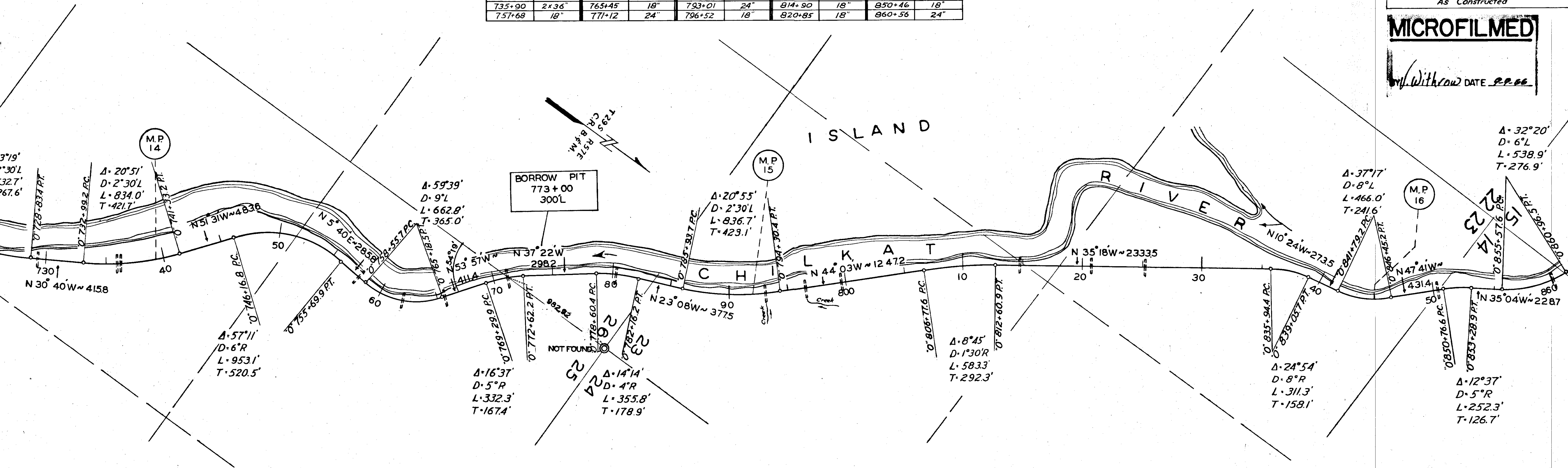
Station	Size	Station	Size	Station	Size	Station	Size	Station	Size
729+28	18"	762+49	18"	790+16	18"	799+52	18"	825+33	24"
735+90	2x36"	765+45	18"	793+01	24"	814+90	18"	850+46	18"
757+68	18"	771+12	24"	796+52	18"	820+85	18"	860+56	24"

TERRITORY	PROJECT	YEAR	SHEET No.	TOTAL SHEETS
Alaska	Haines	1949	10	28

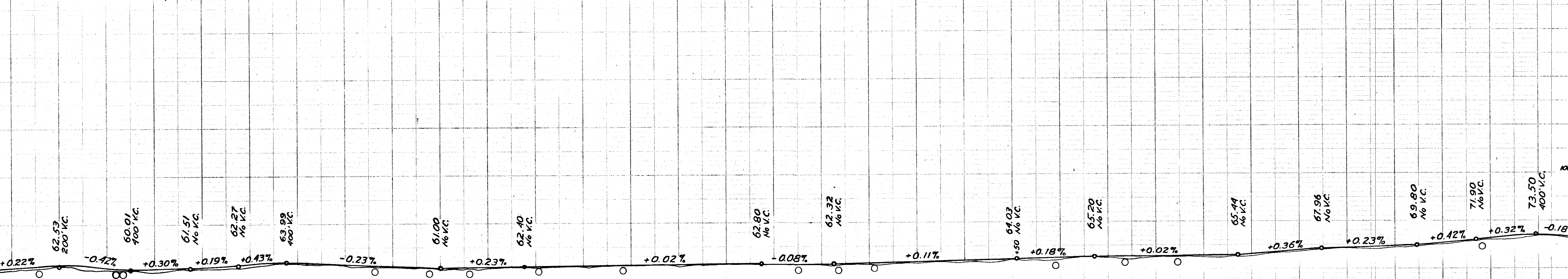
As Constructed

MICROFILMED

Withdrawn DATE 9.9.66



Unclass. Excav, Cu. yd.	Embarkment, Cu. yd.	Overhaul, Sta. yd.	Sel. Borrow Base, Cu. yd.
99	0	0	2108
134	0	0	1355
205	0	0	1067
167	0	0	830
69	201	0	769
88	317	0	714



B.M. #41 - Elev. 61.34' Spike in Birch 100' Lt. 731+07

B.M. #42 - Elev. 59.54 Spike in 10" Cottonwood 50' Lt. 754+61

B.M. #43 - Elev. 63.39' On Canadian B.M. #519F, 25' Rt. 773+40

B.M. #44 - Elev. 64.90' Keel on rock 30' Rt. 788+22

B.M. #45 - Elev. 65.22' Spike in twin Cottonwood 50' Rt. 792+60

B.M. #46 - Elev. 61.39' Bolt in 24" Cottonwood 50' Rt. 807+48

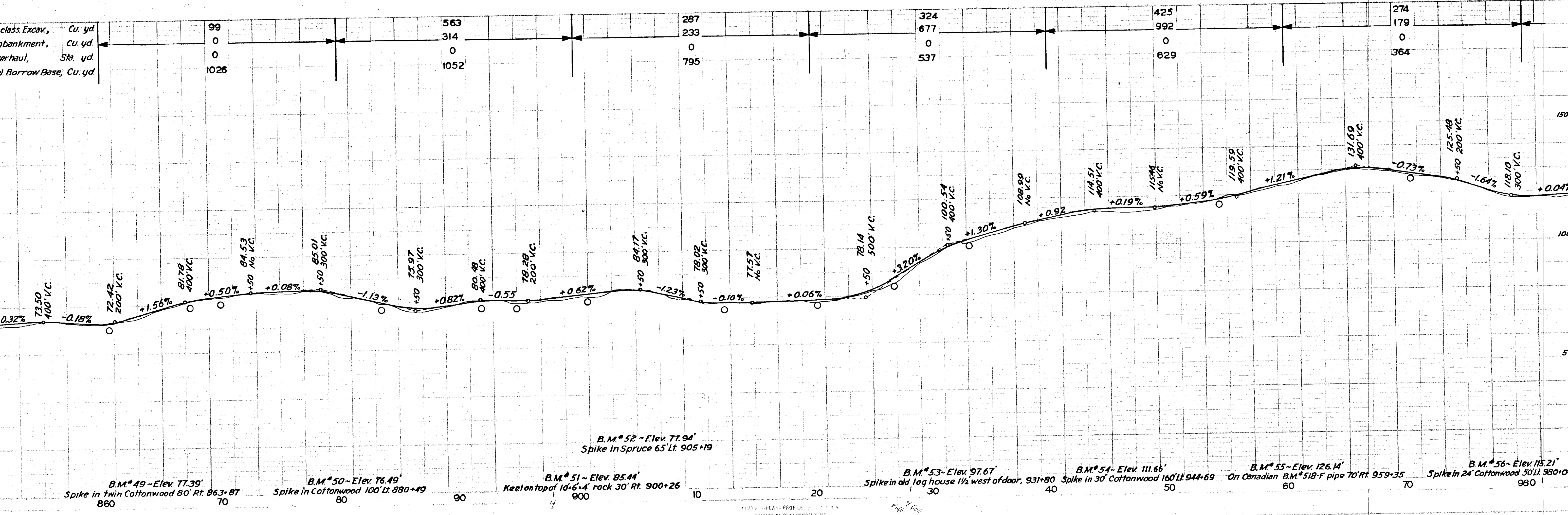
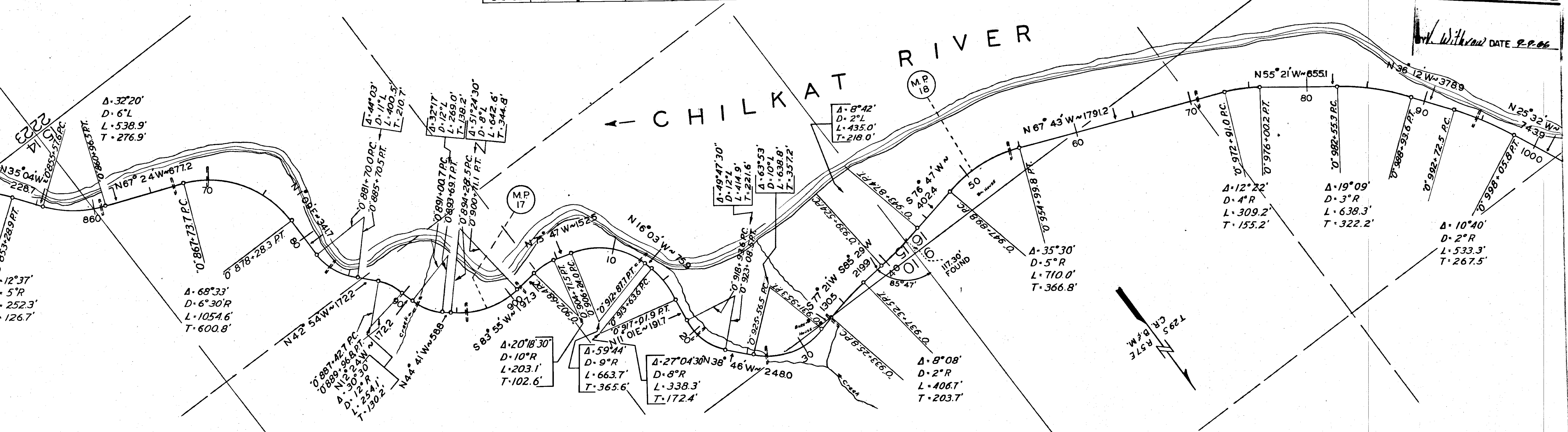
B.M. #47 - Elev. 69.18' Highest Point on big boulder 15' 12" Lt. 826+32

B.M. #48 - Elev. 63.71' Spike in 24" Cottonwood 30' Lt. 831+27

MICROFILMED

With DATE 9-9-66

LOCATION & SIZE OF CULVERTS							
Station	Size	Station	Size	Station	Size	Station	Size
850+46	18"	883+60	36"	912+78	24"	954+70	18"
860+56	24"	891+90	24"	920+48	18"	970+72	18"
867+37	24"	895+75	18"	926+90	36"	994+82	4'6" wood
870+00	24"	901+06	24"	933+14	18"		



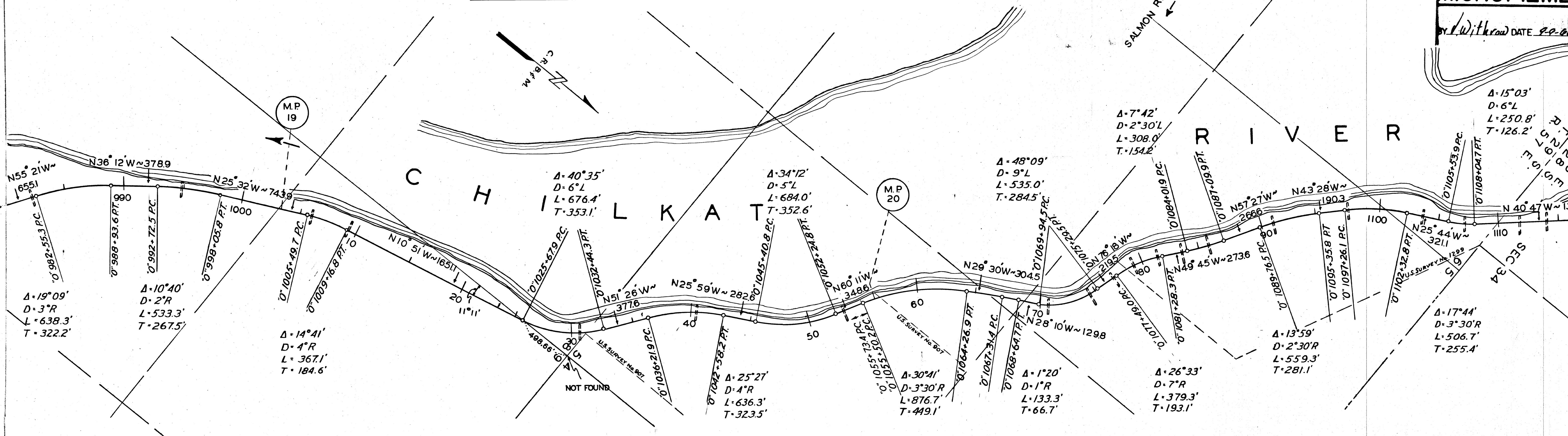
LOCATION & SIZE OF CULVERTS

Station	Size	Station	Size	Station	Size	Station	Size
994+82	4'x6' wood	1040+42	24"	1076+90	18"	1086+04	24"
1006+00	4'x6' wood	1052+88	18"	1079+20	18"	1091+00	24"
1009+18	36"	1070+62	18"	1081+34	24"	1097+76	24"
1030+80	24"	1074+40	18"	1083+50	24"	1103+74	18"

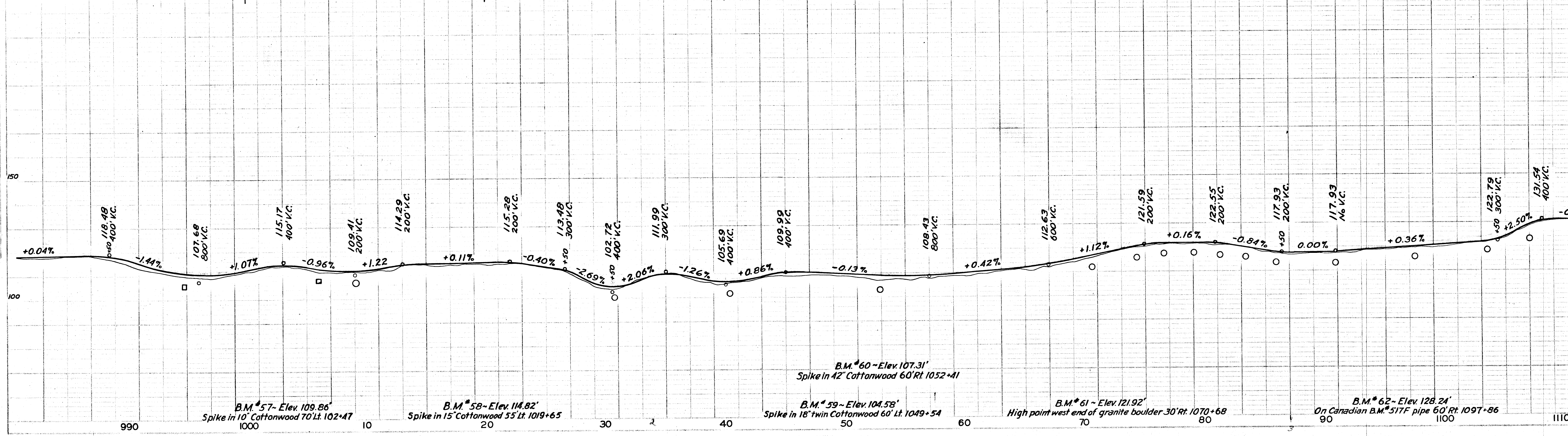
TERRITORY	PROJECT	YEAR	SHEET No.
Alaska	Haines	1949	12

As Constructed

MICROFILMED
 By *[Signature]* DATE *9-2-61*



Unclass. Excav., Cu. yd.	797	798	288	751	1235	696	386
Embankment, Cu. yd.	225	167	412	1532	1484	753	937
Overhaul, Sta. yd.	0	0	0	0	0	0	0
Sel. Borrow Base, Cu. yd.	403	290	492	431	530	594	615

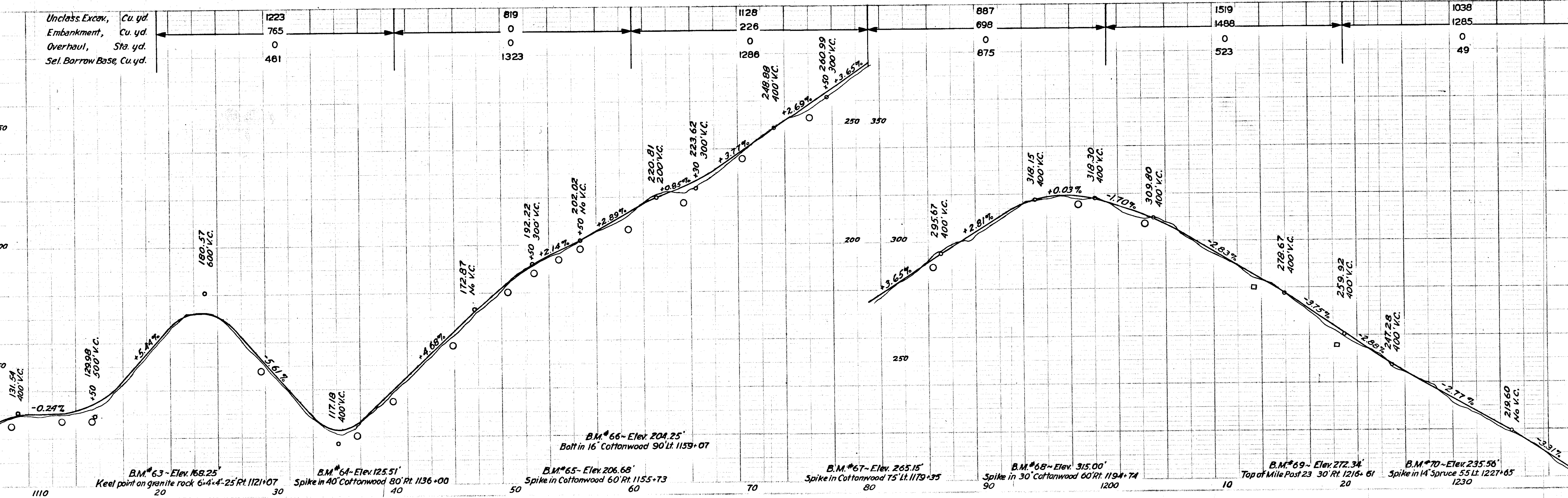
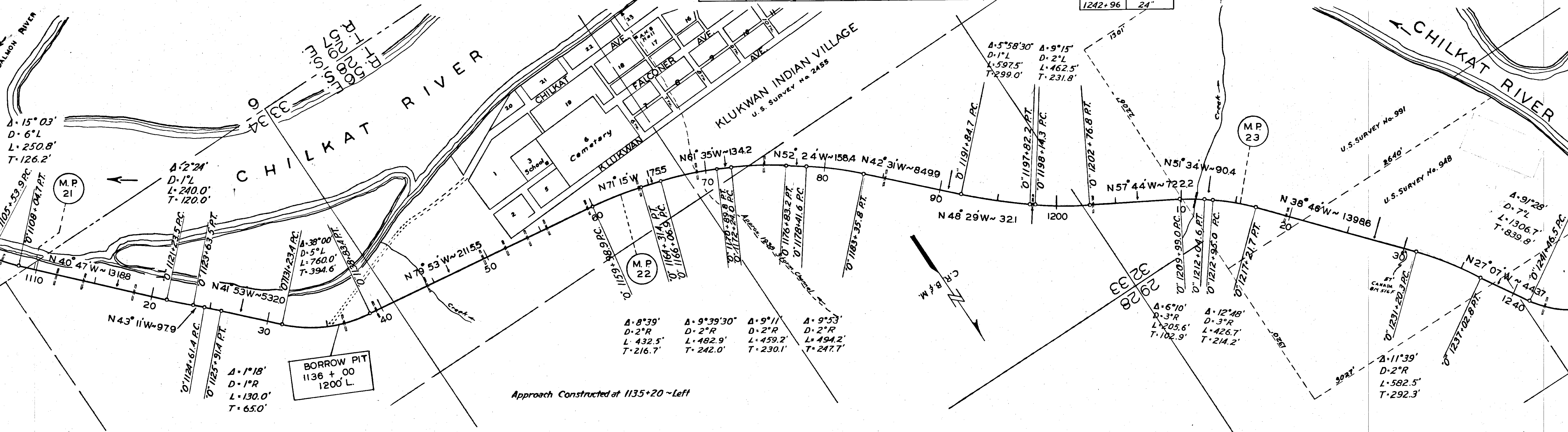


MICROFILMED

TERRITORY	PROJECT	YEAR	SHEET No.	TOTAL SHEETS
Alaska	Haines	1949	13	28
As Constructed				

LOCATION & SIZE OF CULVERTS

Station	Size	Station	Size	Station	Size	Station	Size
1107+26	24"	113+56	36"	1151+75	36"	1164+20	24"
1111+88	18"	1139+35	30"	1153+84	36"	1169+24	24"
1114+10	24"	1144+80	24"	1155+60	24"	1175+00	24"
1128+50	18"	1149+60	36"	1159+50	24"	1185+16	24"
						1219+68	4'x6' wood
						1242+96	24"



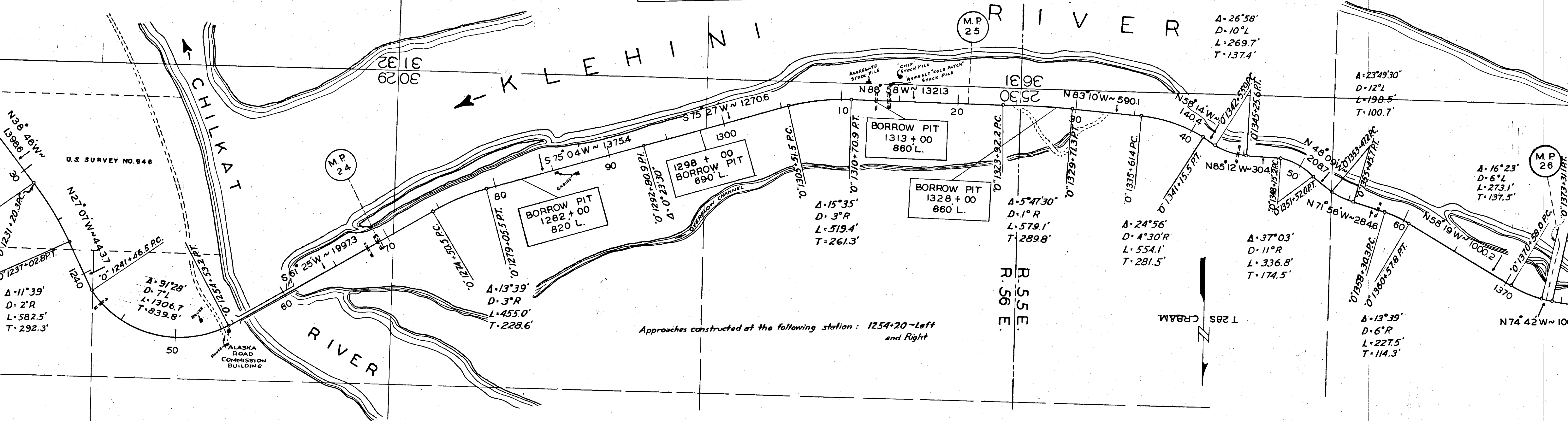
MICROFILMED

TERRITORY	PROJECT	YEAR	SHEET No.	TOTAL SHEETS
Alaska	Haines	1949	14	28
As Constructed				

LOCATION & SIZE OF CULVERTS

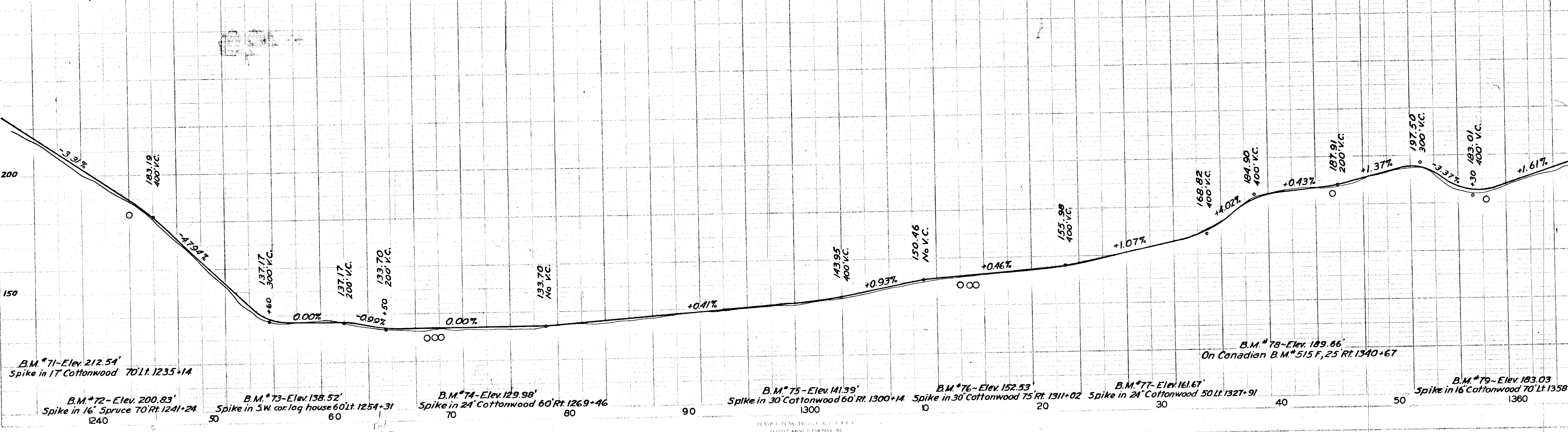
Station	Size	Station	Size
1242+96	24"	1314+09	2x30"
1268+00	24"	1344+56	18"
1268+92	2x24"	1357+54	18"
1313+14	30"		

By *L. With* DATE 9.9.66



Approaches constructed at the following station: 1254+20 ~ Left and Right

Station	400	378	299	329	818	1069
Class. Eav., Cu. yd.	400	287	600	900	704	1239
Embankment, Cu. yd.	409	0	0	0	0	0
Verhaul, Sta. yd.	0	0	0	0	0	0
Total Borrow Base, Cu. yd.	302	345	403	159	461	3349



B.M. #71 - Elev. 212.54' Spike in 17' Cottonwood 70' Lt. 1235+14

B.M. #72 - Elev. 200.83' Spike in 16' Spruce 70' Rt. 1241+24

B.M. #73 - Elev. 138.52' Spike in SW cor. log house 60' Lt. 1254+31

B.M. #74 - Elev. 129.98' Spike in 24' Cottonwood 60' Rt. 1269+46

B.M. #75 - Elev. 141.39' Spike in 30' Cottonwood 60' Rt. 1300+14

B.M. #76 - Elev. 152.53' Spike in 30' Cottonwood 75' Rt. 1311+02

B.M. #77 - Elev. 161.67' Spike in 24' Cottonwood 50' Lt. 1327+91

B.M. #79 - Elev. 193.03' Spike in 16' Cottonwood 70' Lt. 1358

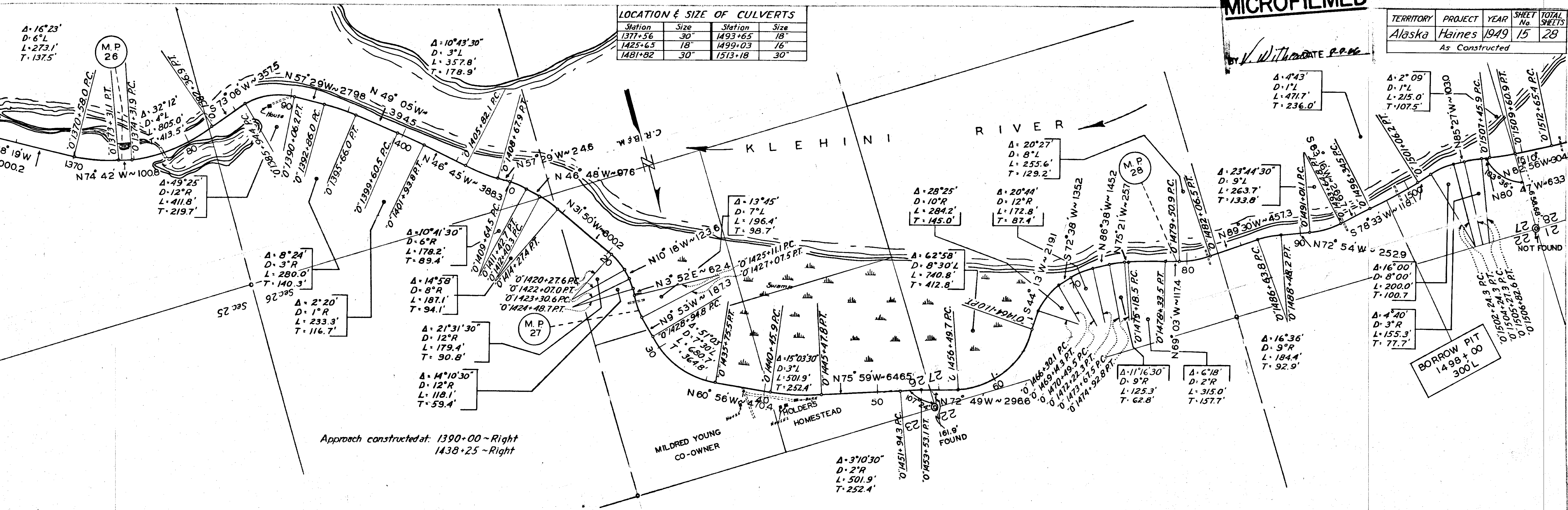
B.M. #78 - Elev. 189.66' On Canadian B.M. #515 F, 25' Rt. 1340+67

MICROFILMED

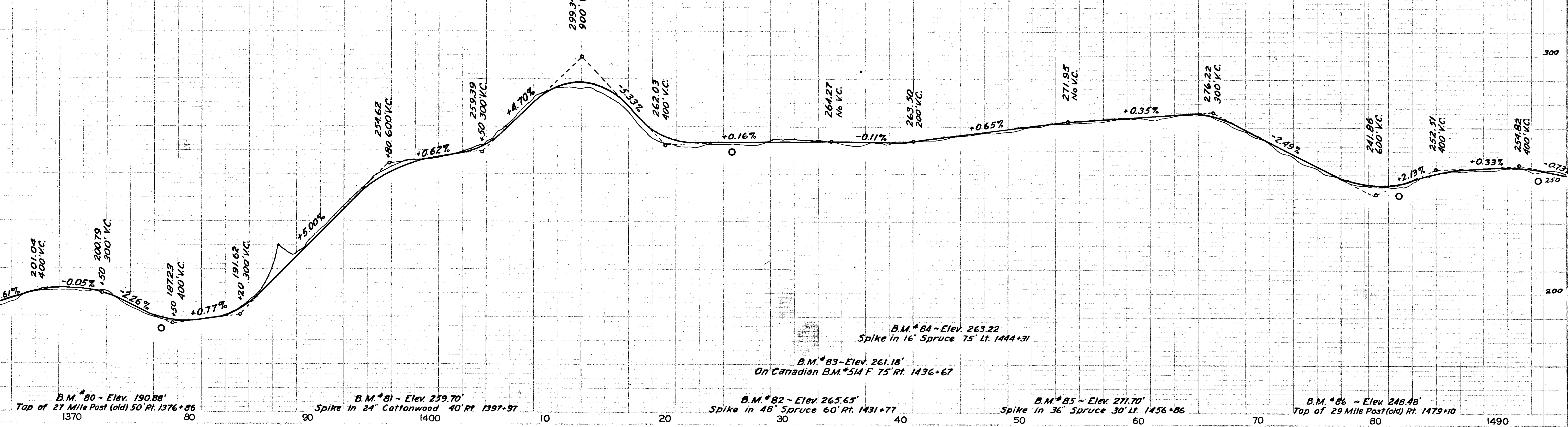
TERRITORY	PROJECT	YEAR	SHEET No.	TOTAL SHEETS
Alaska	Haines	1949	15	28
As Constructed				

LOCATION & SIZE OF CULVERTS

Station	Size	Station	Size
1377+56	30"	1493+65	18"
1425+65	18"	1499+03	16"
1481+82	30"	1513+18	30"



Ass. Excav., Cu. yd.	1646	39	1337	299	2133	774	848	541	771
Bankment, Cu. yd.	1911	113	1347	450	2133	954	1010	122	291
Haul, Sta. yd.	0	0	0	62500	0	0	0	0	0
Borrow Base, Cu. yd.	514	47	0	0	114	660	977	1584	1283



B.M. #84 - Elev. 263.22
Spike in 16' Spruce 75' Lt. 1444+31

B.M. #83 - Elev. 261.18'
On Canadian B.M. #514 F 75' Rt. 1436+67

B.M. #82 - Elev. 265.65'
Spike in 48' Spruce 60' Rt. 1431+77

B.M. #85 - Elev. 271.70'
Spike in 36' Spruce 30' Lt. 1456+86

B.M. #86 - Elev. 248.48'
Top of 29 Mile Post (old) Rt. 1479+10

B.M. #80 - Elev. 190.88'
Top of 27 Mile Post (old) 50' Rt. 1376+86

B.M. #81 - Elev. 259.70'
Spike in 24' Cottonwood 40' Rt. 1397+97

MICROFILMED

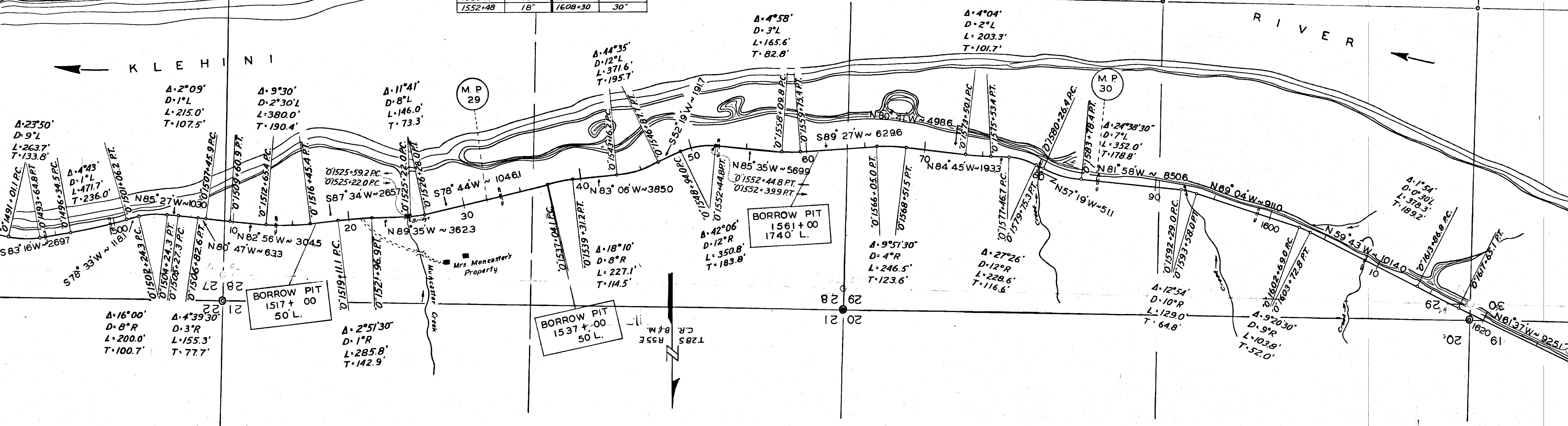
TERRITORY	PROJECT	YEAR	SHEET No.	TOTL SHE.
Alaska	Haines	1949	16	2

As Constructed

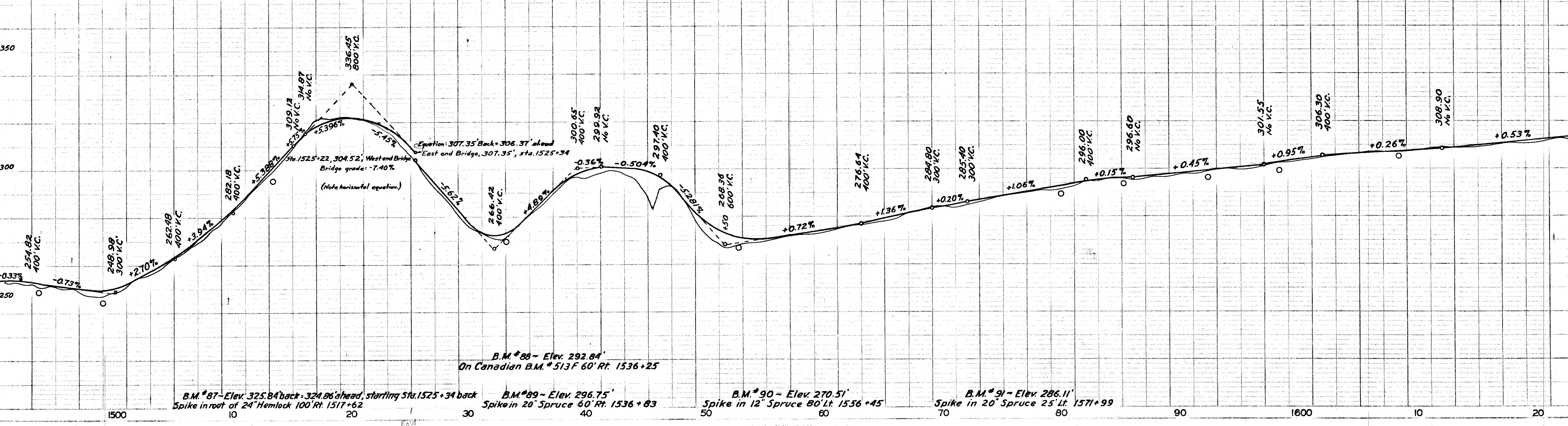
By *W. H. ...* DATE 9-9-66

LOCATION & SIZE OF CULVERTS

Station	Size	Station	Size
1493+65	18"	1579+85	18"
1499+03	16"	1585+24	18"
1513+18	30"	1592+60	30"
1533+40	48"	1598+12	18"
1552+48	18"	1608+30	30"



Unclass. Excav.	598	160	9561	3598	470	199	168
Embankment, Cu. yd.	781	975	9766	2082	1282	617	0
Overhaul, Sta. yd.	0	0	0	0	0	0	0
Sel. Borrow Base, Cu. yd.	2326	1645	1081	93	435	805	1070



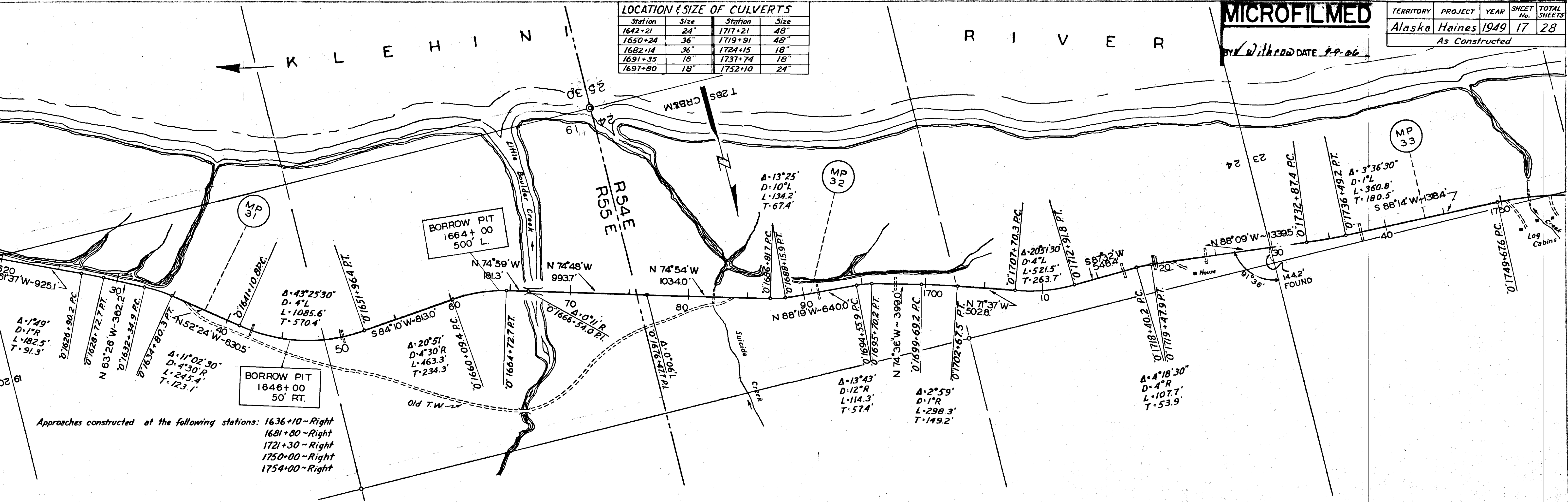
LOCATION & SIZE OF CULVERTS

Station	Size	Station	Size
1642+21	24"	1711+21	48"
1650+24	36"	1719+31	48"
1682+14	36"	1724+15	18"
1691+35	18"	1731+74	18"
1697+80	18"	1752+10	24"

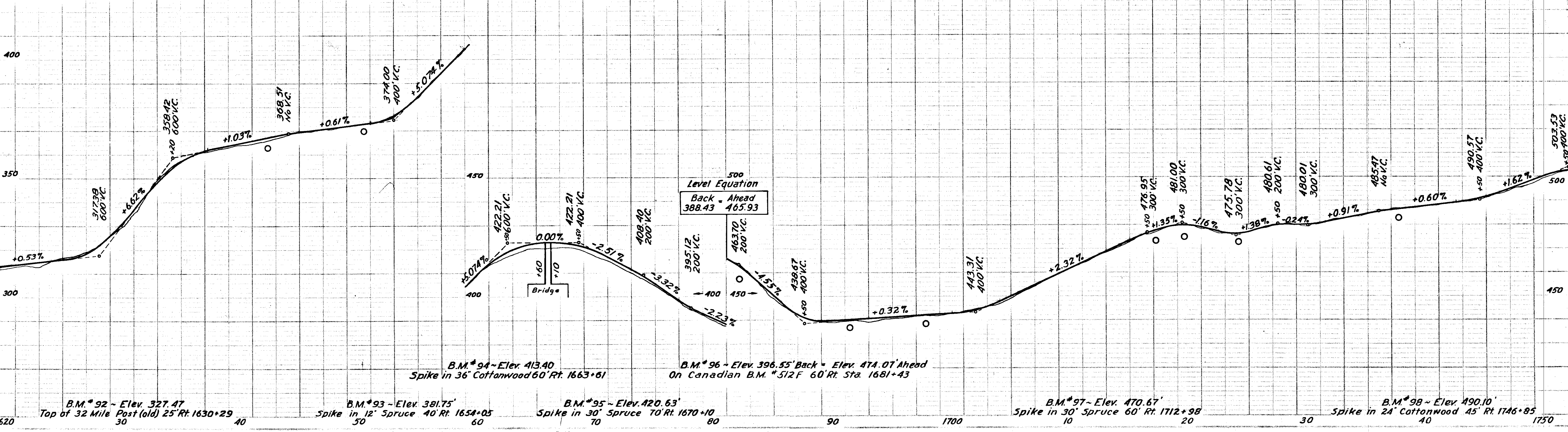
MICROFILMED

TERRITORY	PROJECT	YEAR	SHEET No.	TOTAL SHEETS
Alaska	Haines	1949	17	28

As Constructed



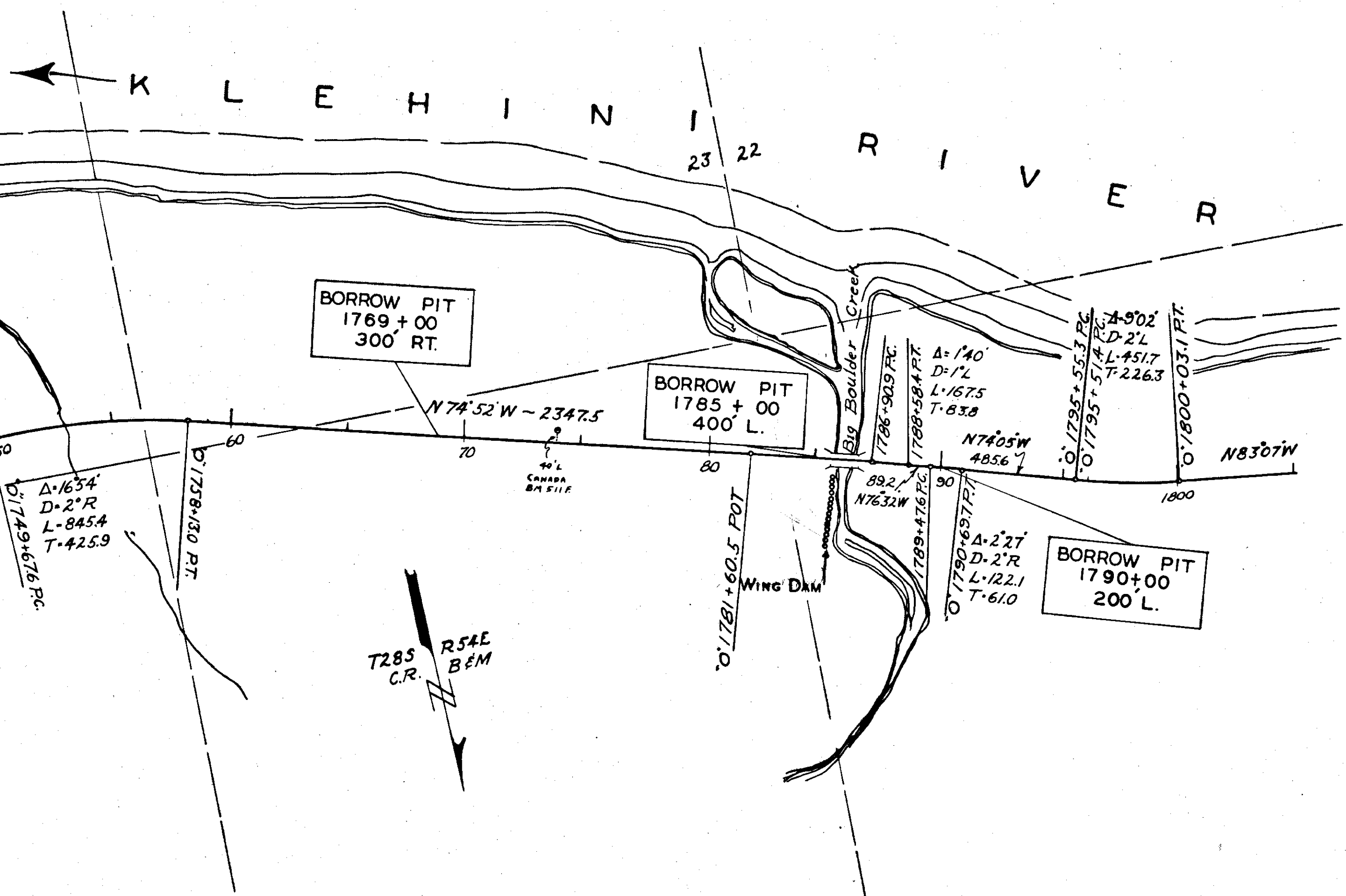
Class	Excavation, Cu. yd.	Embankment, Cu. yd.	Overhaul, Sta. yd.	Material Borrow Base, Cu. yd.
1636+10	726	0	0	1864
1681+80	0	0	0	1026
1721+30	0	0	0	1298
1750+00	0	0	0	286
1754+00	0	0	0	551
1754+00	0	0	0	407
1754+00	0	0	0	1341



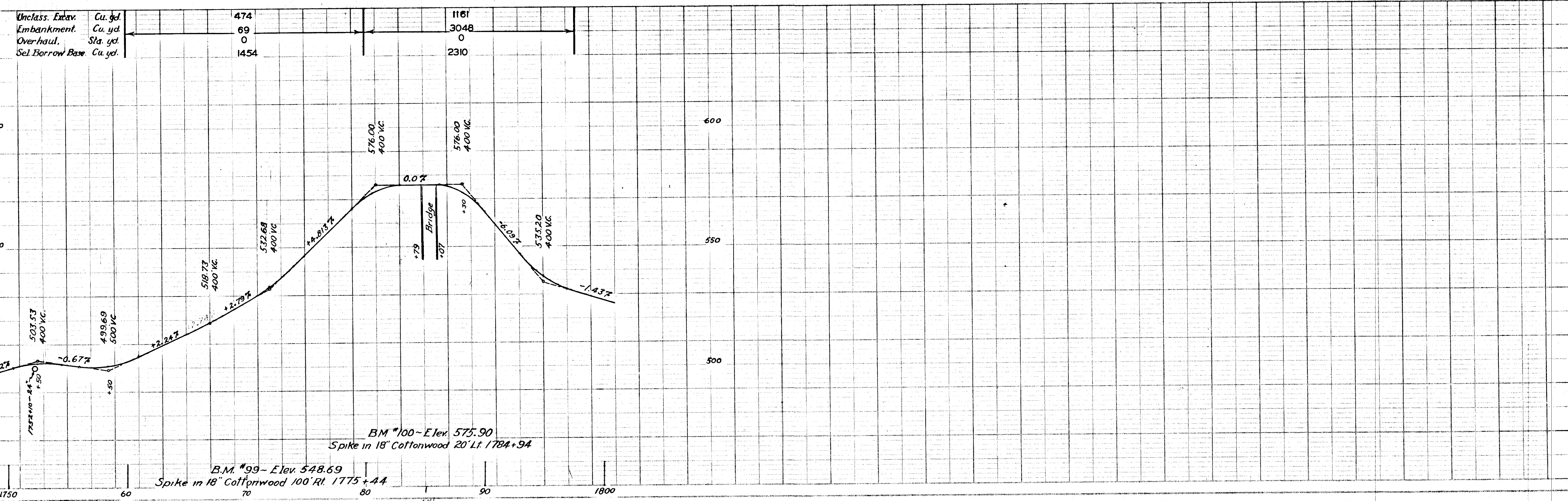
TERRITORY	PROJECT	YEAR	SHEET NO.	TOT. SHEET
ALASKA	HAINES	1949	18	28

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Withdrawn DATE 9-9-66



Unclass. Excav.	Cu. yd.	474
Embankment	Cu. yd.	69
Overhaul	Sta. yd.	0
Sel. Borrow Base	Cu. yd.	1454
		1161
		3048
		0
		2310

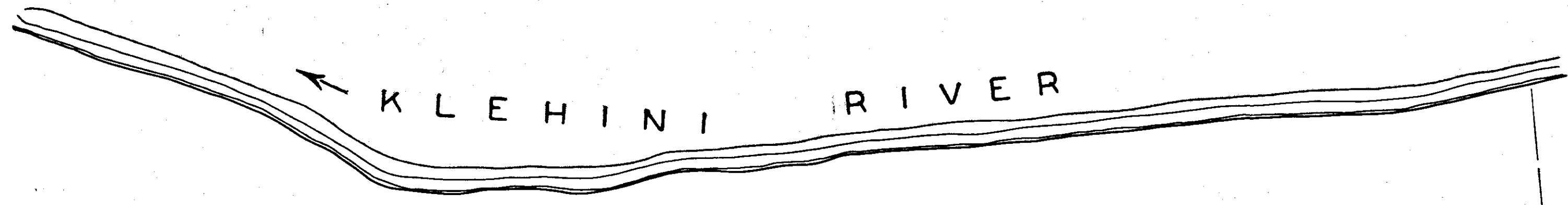
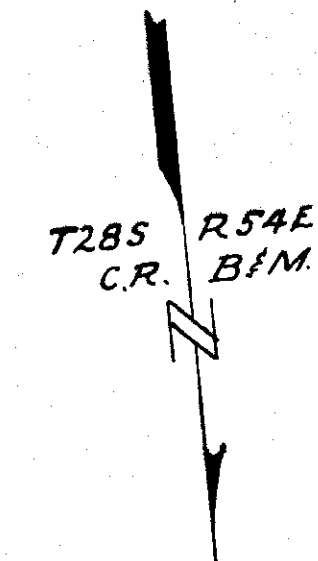


TERRITORY	PROJECT	YEAR	SHEET NO.	TOTAL SHEETS
Alaska	Haines	1949	19	28

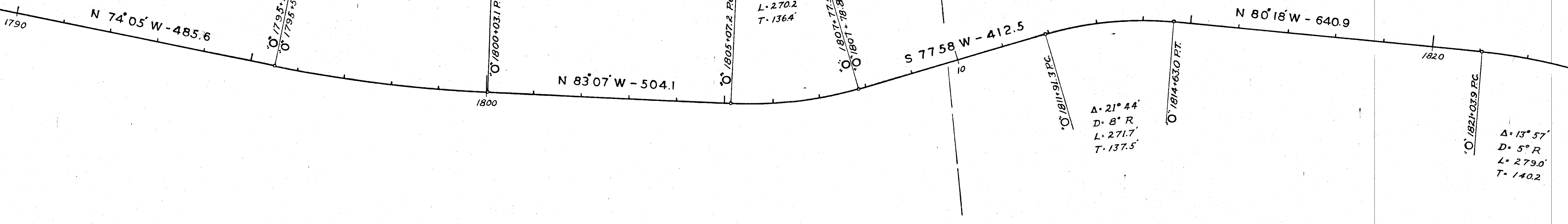
AS CONSTRUCTED

MICROFILMED

By *V. Withrow* DATE *9-9-66*

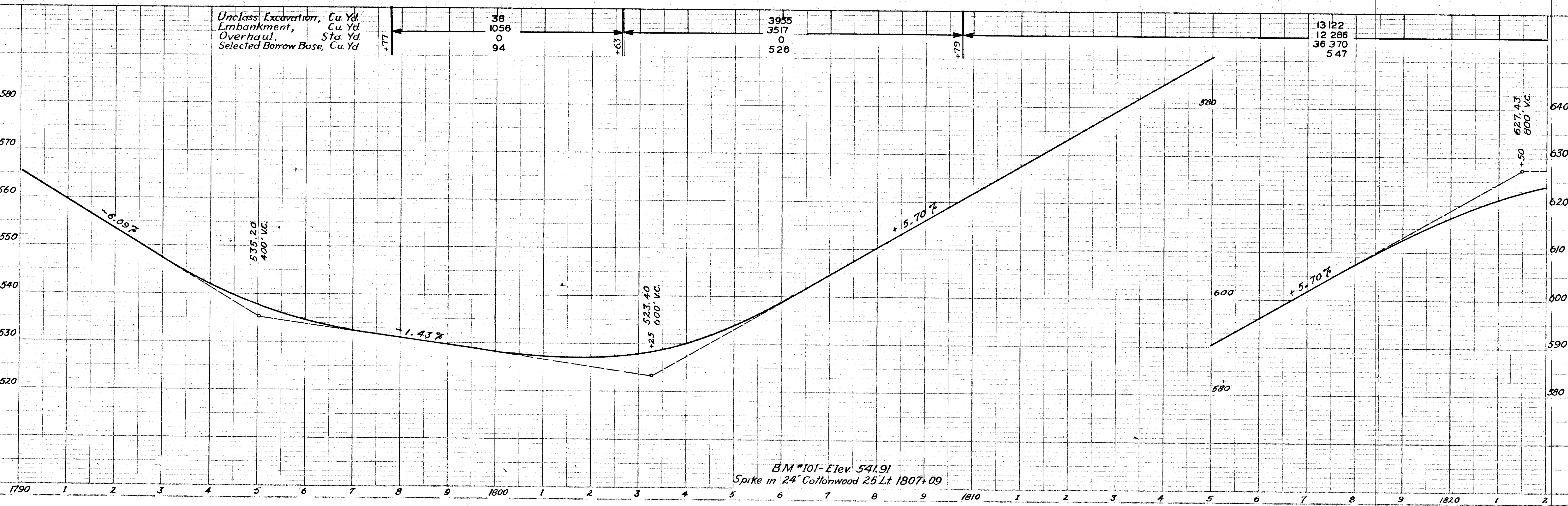


NE 1/4 22 NW 1/4 22



Uncl. Excavation, Cu Yd.
Embankment, Cu Yd.
Overhaul, Sta. Yd.
Selected Borrow Base, Cu. Yd.

+71	38	3955	13122
	1056	3517	12286
	0	0	36370
	94	528	547



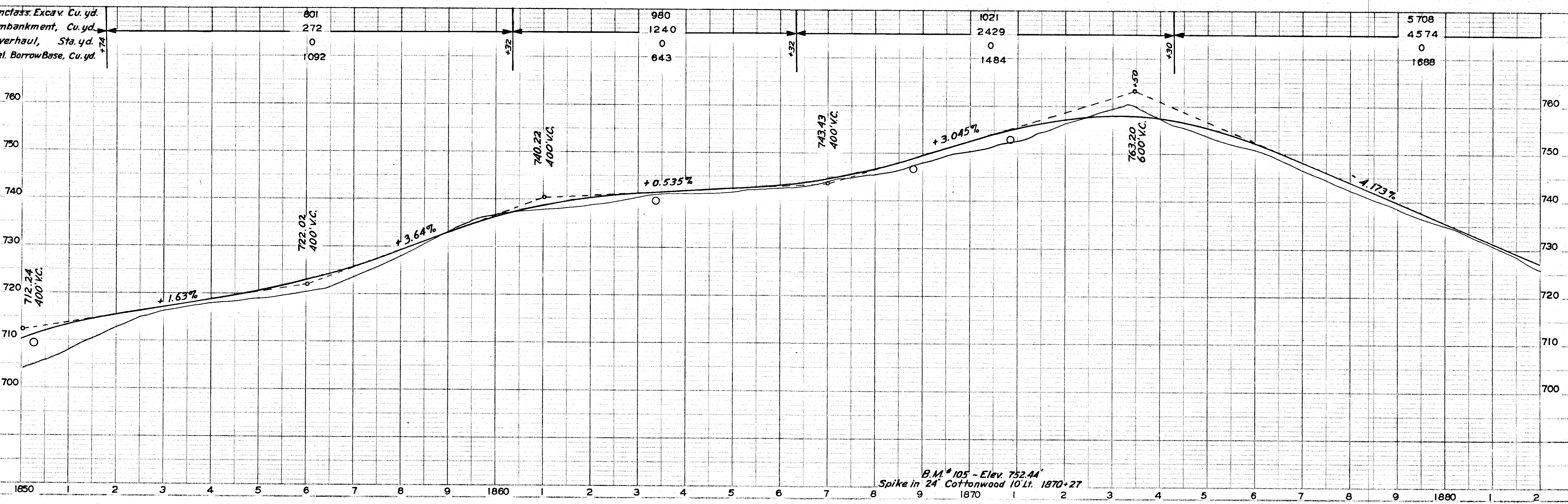
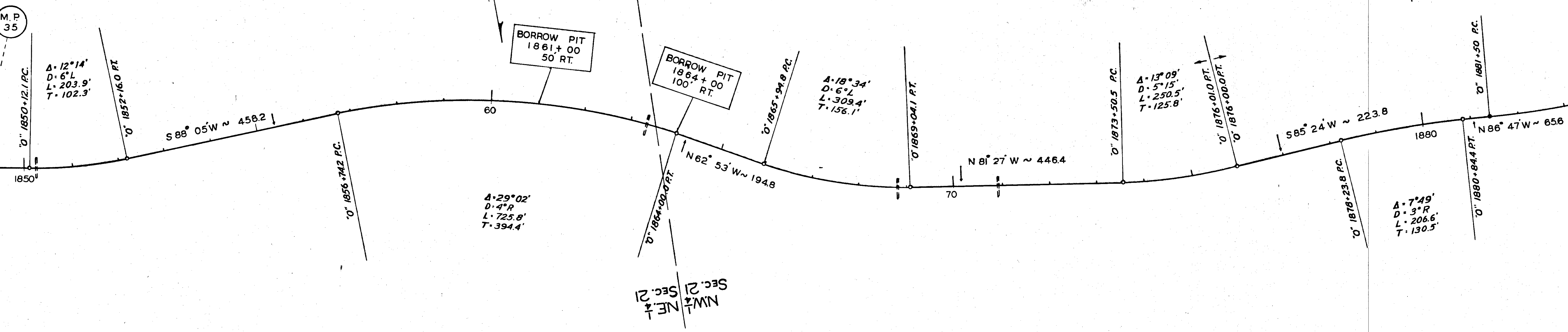
B.M. #101 - Elev. 541.91
Spike in 24" Cottonwood 25' Lt 1807+09

CULVERTS	
Station	Size
1850+24	18"
1863+51	18"
1868+74	18"
1870+98	18"

TERRITORY	PROJECT	YEAR	SHEET No.	TOTAL SHEETS
Alaska	Haines	1949	21	28

As Constructed

MICROFILMED
 BY: *Withrow* DATE: *9-9-06*

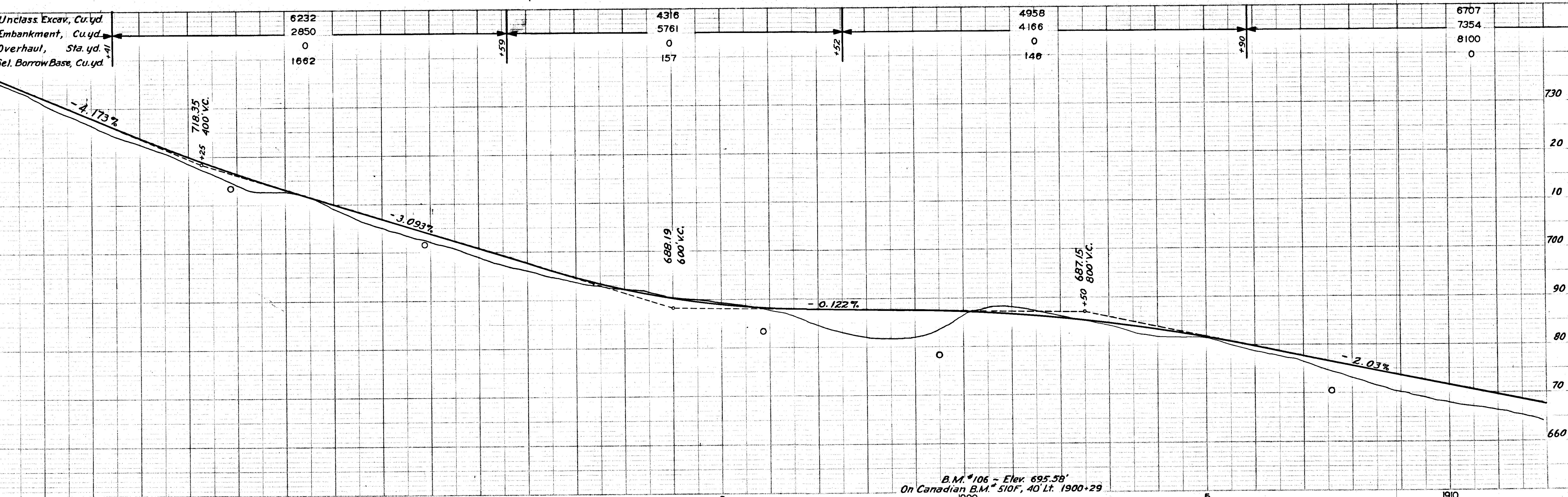
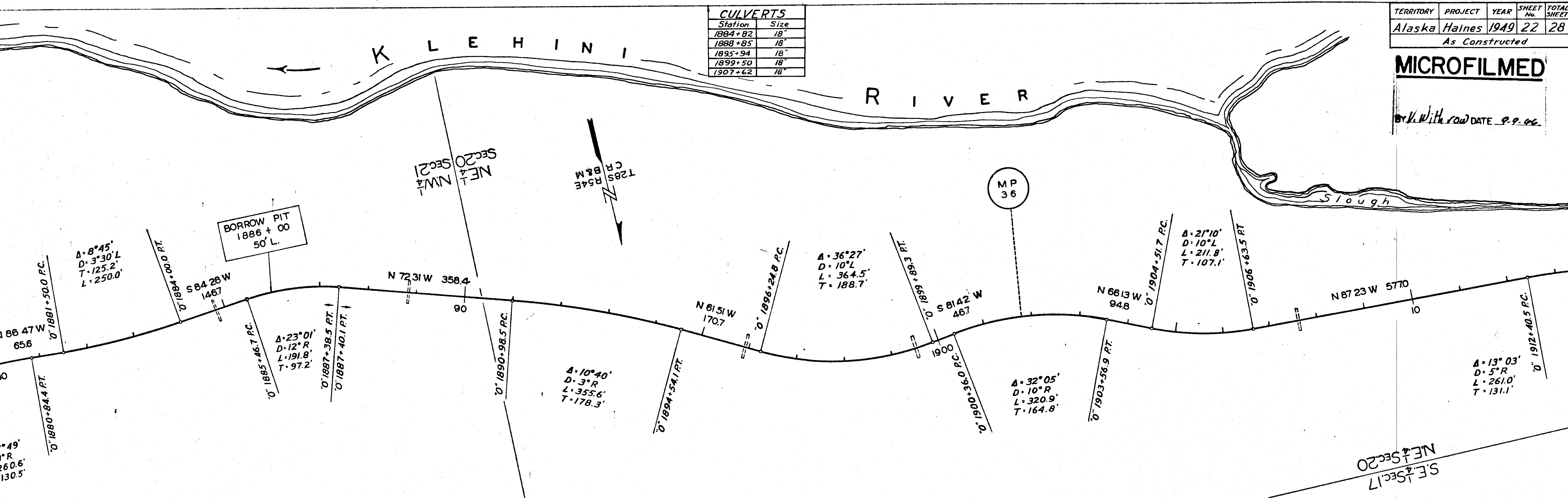


CULVERTS	
Station	Size
1884+82	18"
1888+85	18"
1895+94	18"
1899+50	18"
1907+62	18"

TERRITORY	PROJECT	YEAR	SHEET No.	TOTAL SHEETS
Alaska	Haines	1949	22	28

MICROFILMED

By *V. W. H. row* DATE *9-9-66*

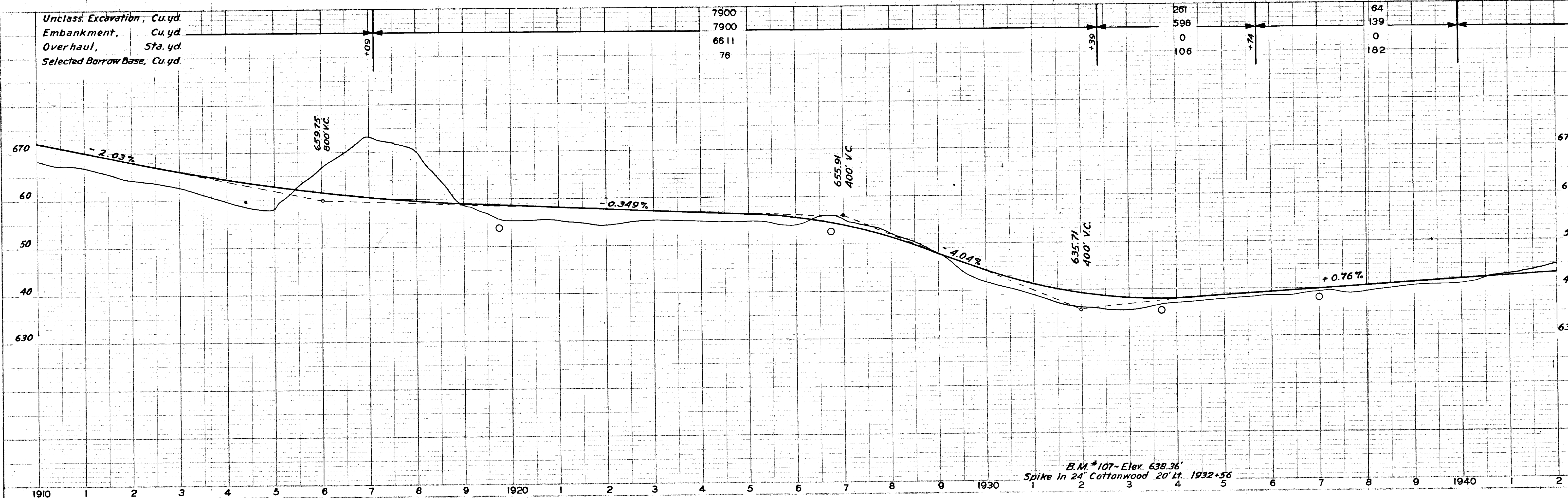
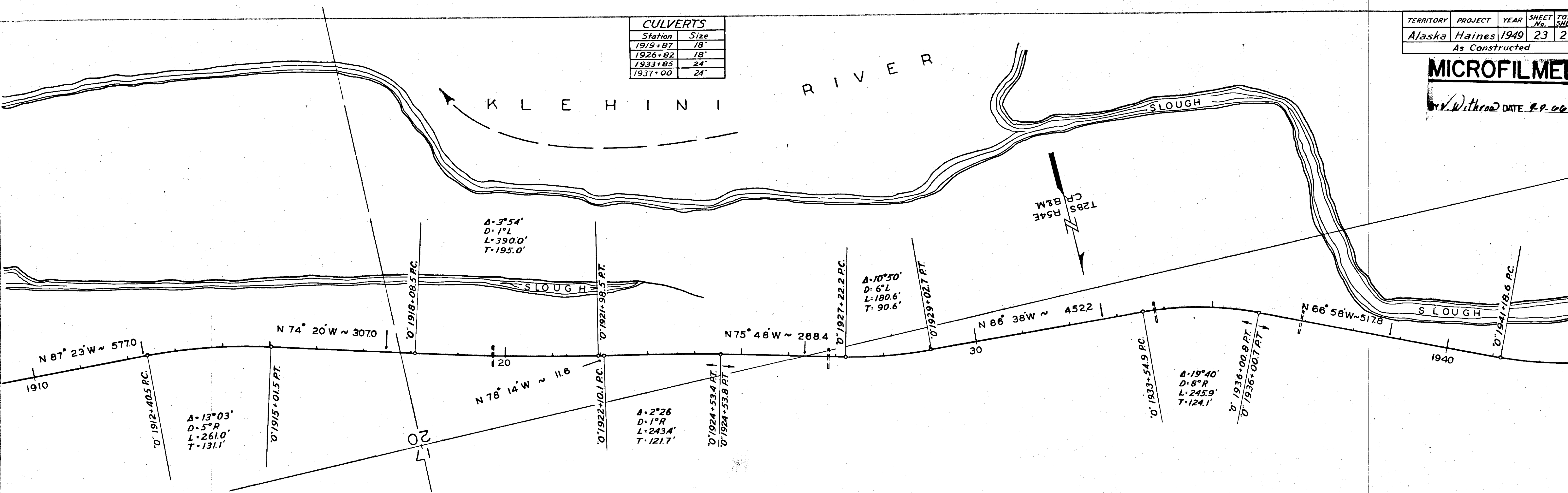


B.M. #106 = Elev. 695.58'
On Canadian B.M. #510F, 40 Lt. 1900+29

MICROFILMED

Withdrawn DATE 9-9-00

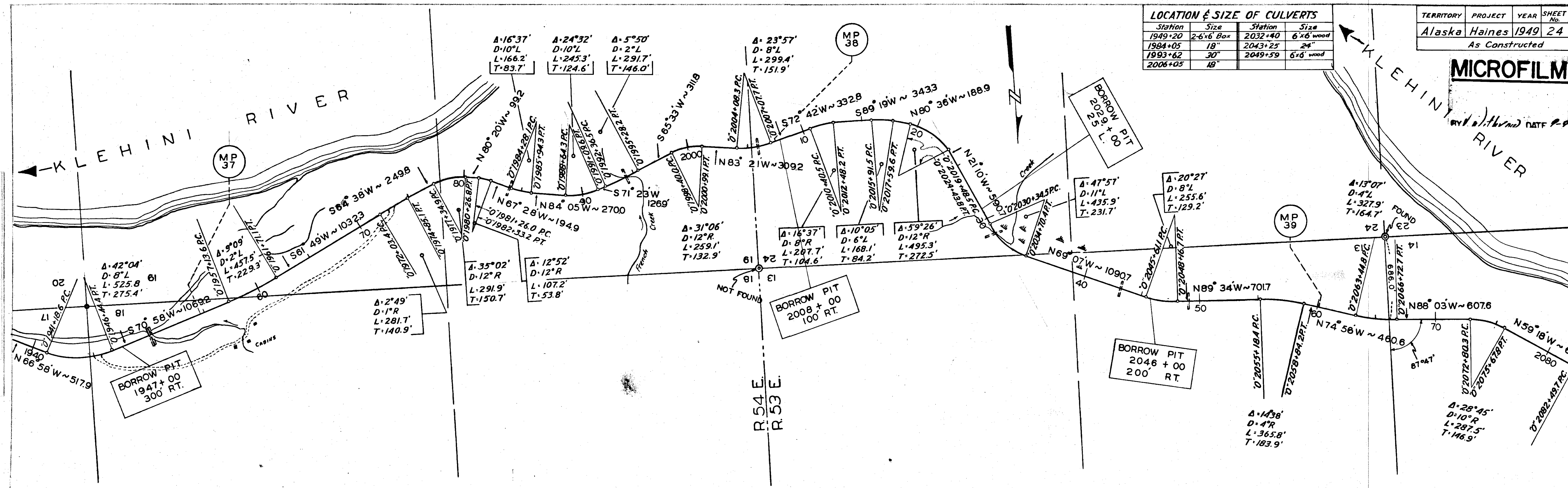
CULVERTS	
Station	Size
1919+87	18"
1926+82	18"
1933+85	24"
1937+00	24"



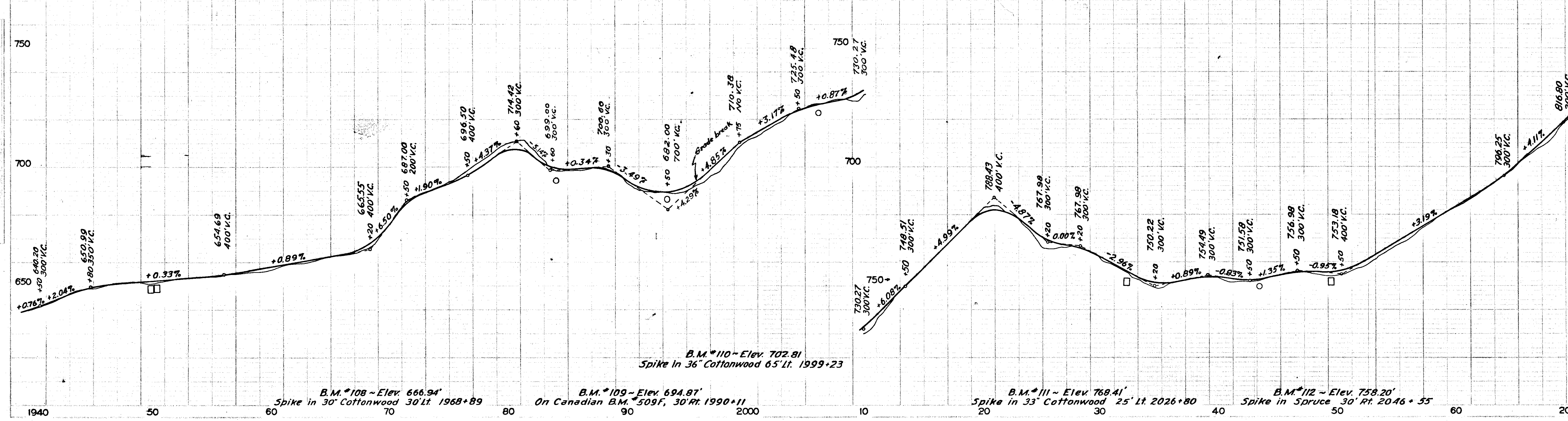
TERRITORY	PROJECT	YEAR	SHEET No.
Alaska	Haines	1949	24
As Constructed			

LOCATION & SIZE OF CULVERTS			
Station	Size	Station	Size
1949+20	2-6x6 Box	2032+40	6x6 wood
1984+05	18"	2043+25	24"
1993+62	30"	2049+59	6x6 wood
2006+05	18"		

MICROFILM



Unclass. Excav., Cu. yd.	154	1890	898	1908	2825	460	823
Embankment, Cu. yd.	171	1272	3322	486	2051	305	0
Overhaul, Sta. yd.	0	0	0	0	0	0	0
Sel. Borrow Base, Cu. yd.	651	61	61	1798	47	320	1491



B.M. #110 - Elev. 702.81
Spike in 36" Cottonwood 65' Lt. 1999+23

B.M. #108 - Elev. 666.94'
Spike in 30" Cottonwood 30' Lt. 1968+89

B.M. #109 - Elev. 694.87'
On Canadian B.M. #509F, 30' Rt. 1990+11

B.M. #111 - Elev. 768.41'
Spike in 33" Cottonwood 25' Lt. 2026+80

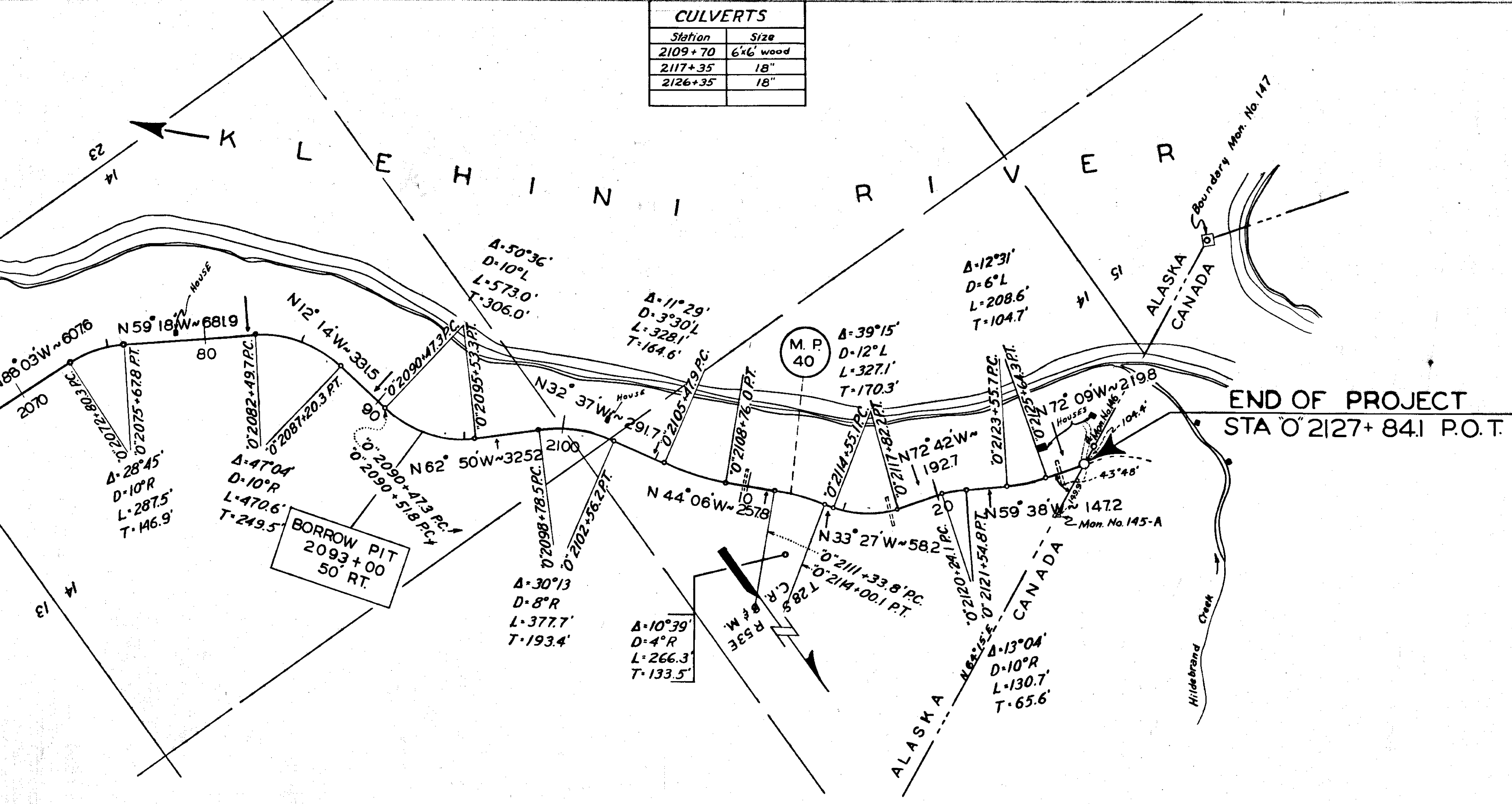
B.M. #112 - Elev. 758.20'
Spike in Spruce 30' Rt. 2046+55

CULVERTS	
Station	Size
2109+70	6'x6' wood
2117+35	18"
2126+35	18"

TERRITORY	PROJECT	YEAR	SHEET No.	TOTAL SHEETS
Alaska	Haines	1949	25	28

As Constructed

MICROFILMED
 BY *V. J. ...* DATE *8-9-66*



Unclass. Excav., Cu. yd.	181	641	1349
Embankment, Cu. yd.	1275	167	116
Overhaul, Sta. yd.	0	0	0
Sel. Borrow Base, Cu. yd.	1096	1378	622

