

STATE	PROJECT DESIGNATION	YEAR	SHT. NO.
ALASKA	RF-095-10(6)	1974	1

Attachment #1 Addendum # 3

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-4	TYPICAL SECTIONS
5	ESTIMATE OF QUANTITIES & GENERAL NOTES
6 & 7	SUMMARY TABLES & DETAILS
8-14	PLAN SHEETS
15	MATERIAL SITES

The following standard drawings shall apply to this project: A-1, C-00.01, C-10.00, C-11.01, D-02.01, D-03.00, G-04.00, I-40.10, I-80.00, S-05.00, S-30.00, G-04.11, G-30.00, G-30.10, G-10.01

PROJECT SUMMARY

WIDTH OF PAVEMENT	28'
LENGTH OF PAVING	78,936' = 14.95 MI.
LENGTH OF PROJECT	78,936' = 14.95 MI.

NO CHANGE IN LENGTH

STATE OF ALASKA
DEPARTMENT OF HIGHWAYS

AS-BUILT

PROPOSED HIGHWAY PROJECT

RF-095-10(6)

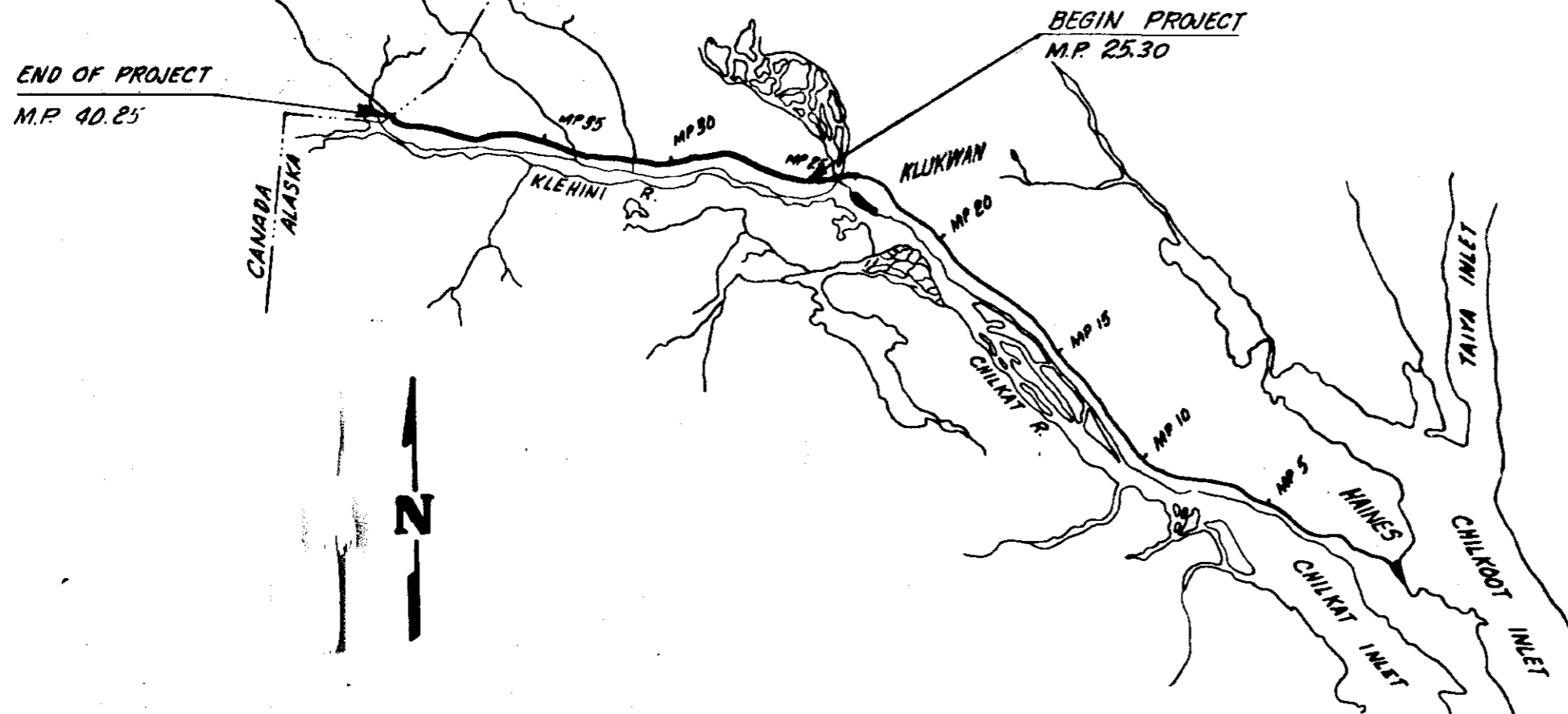
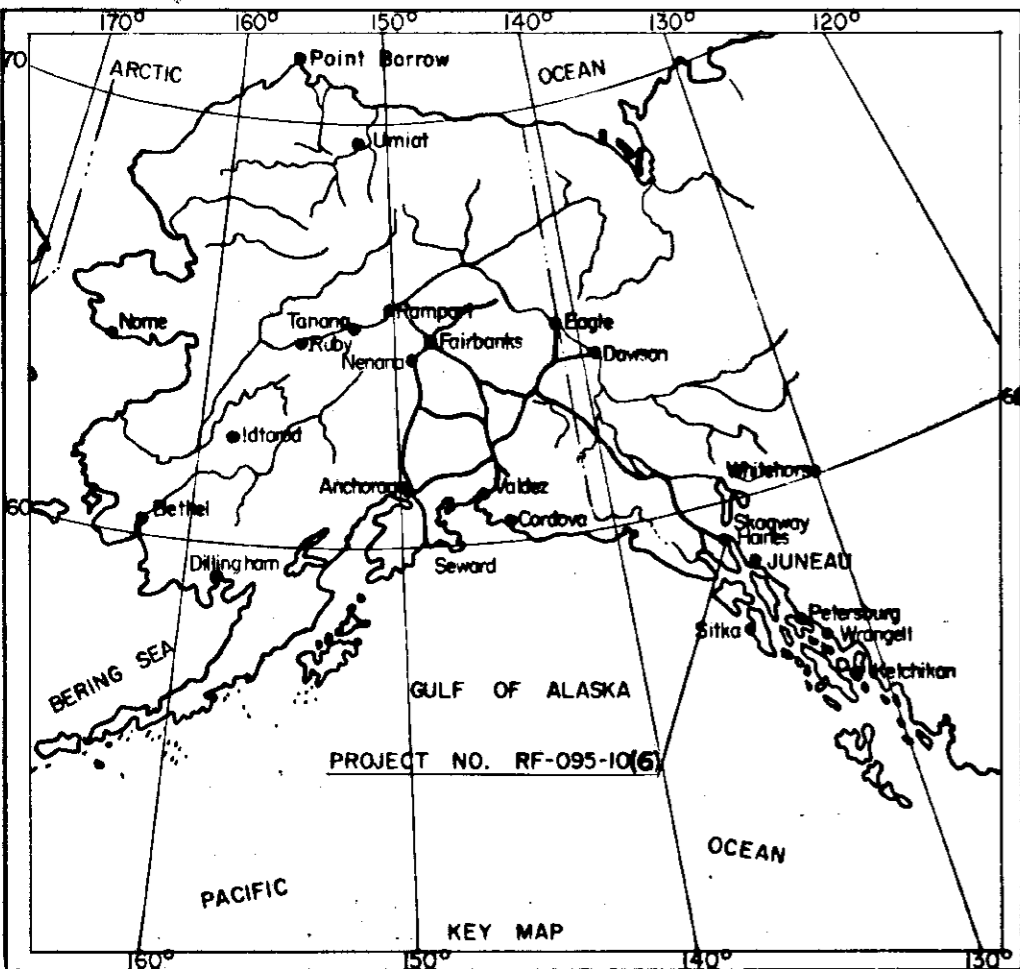
HAINES M.P. 25.30 to CANADIAN BORDER
GRADING, DRAINAGE, & PAVING

CONTRACTOR: BURGESS CONST. CO.

PROJECT ENGINEER: STEVE N. HIROTSU

BEGIN: APRIL 7, 1975

END: JUNE 21, 1976



STATE OF ALASKA
DEPARTMENT OF HIGHWAYS

STATE OF ALASKA
DEPARTMENT OF HIGHWAYS

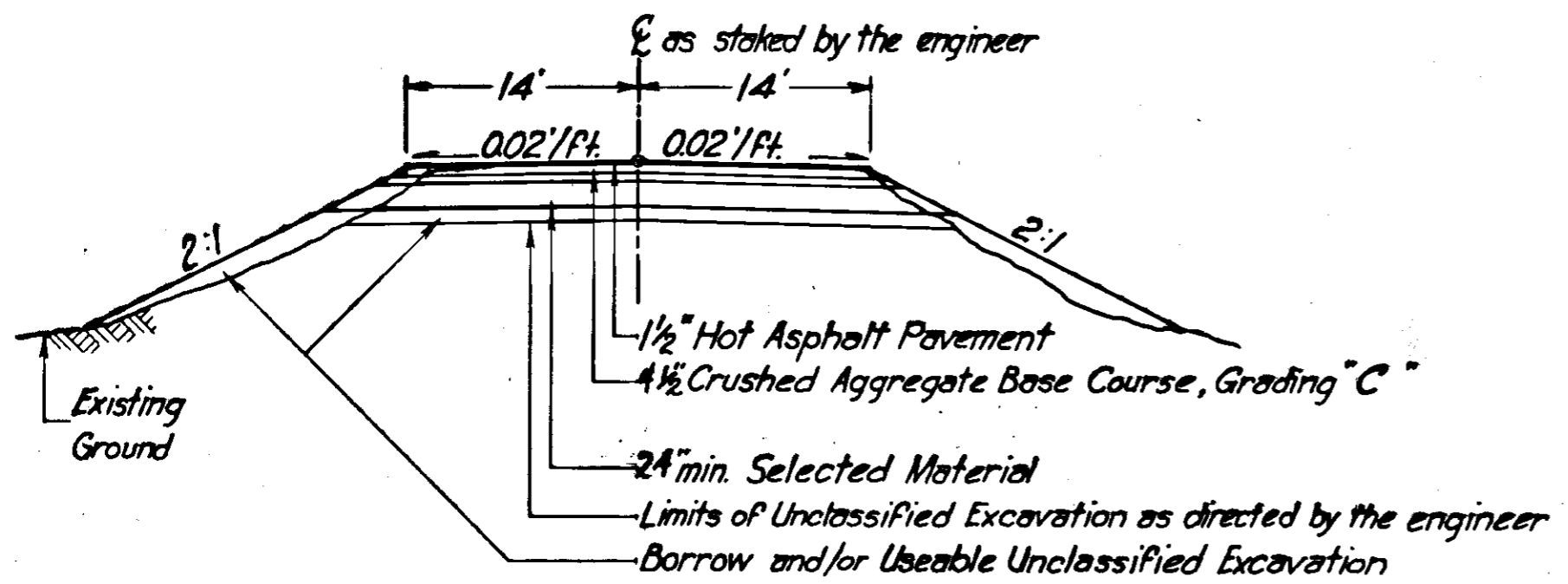
APPROVED

APPROVED

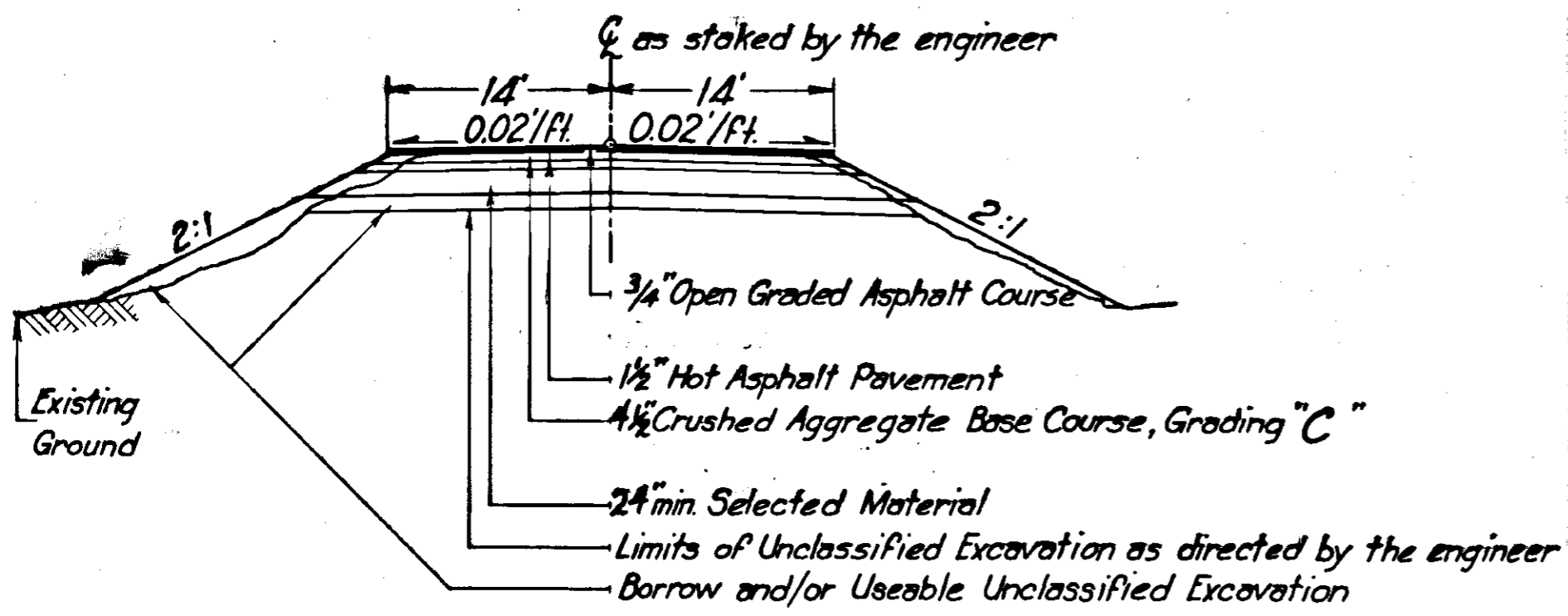
Warren E. Neal
SOUTHEAST DISTRICT ENGINEER

B. M. ...
COMMISSIONER OF HIGHWAYS

STATE	PROJECT DESIGNATION	YEAR	SHT. NO.	TOTAL SHTS.
ALASKA	RF-095-10(6)	1974	2	15



AREAS OF RECONSTRUCTION
See table "A" for approximate locations



AREAS OF RECONSTRUCTION
with Open Graded Asphalt Course
See table "B" for approximate locations

State of Alaska
Department of Highways
Computations
AREAS OF RECONSTRUCTION (AS-BUILT)

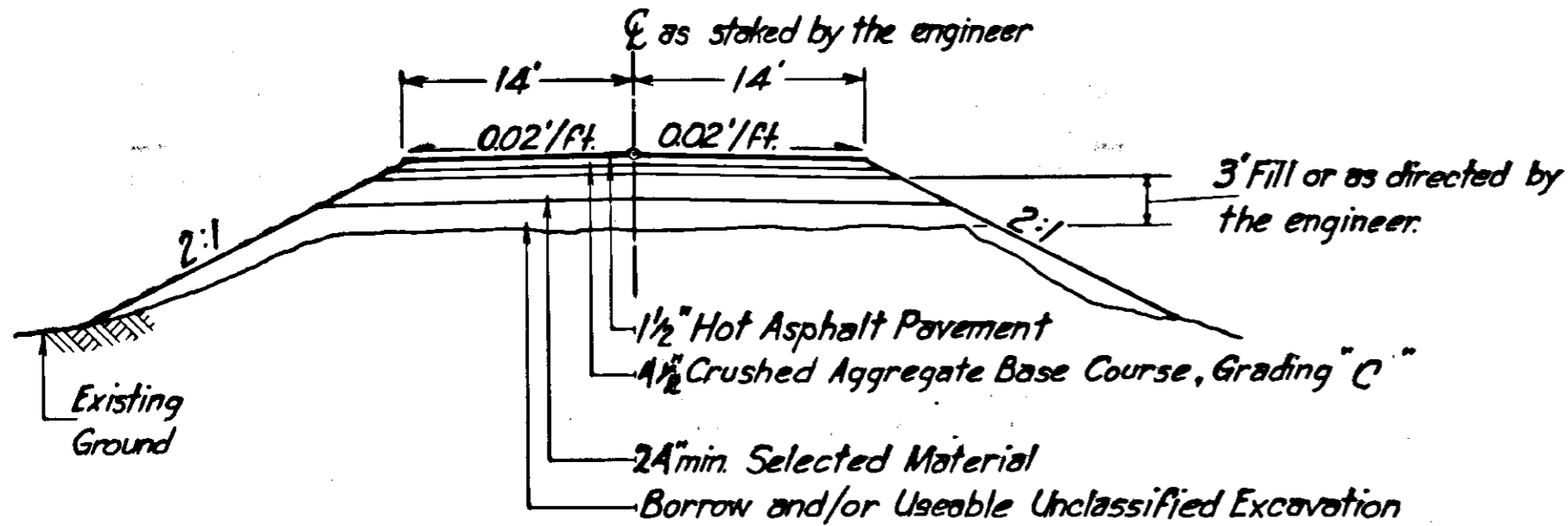
TABLE "A"

MILEPOST		MILEPOST	
FROM	To	FROM	To
30.90	31.00	35.41	35.52
31.09	31.14	35.52	35.66
31.22	31.27	35.73	35.77
31.85	31.90	35.82	35.87
32.37	32.39	36.00	36.10
32.56	32.61	36.20	36.26
34.53	34.54	37.54	37.55
34.71	34.83	37.88	38.01
35.02	35.12	38.01	38.31
35.17	35.27	38.50	38.60
35.32	35.41	38.74	38.90

TABLE "B"

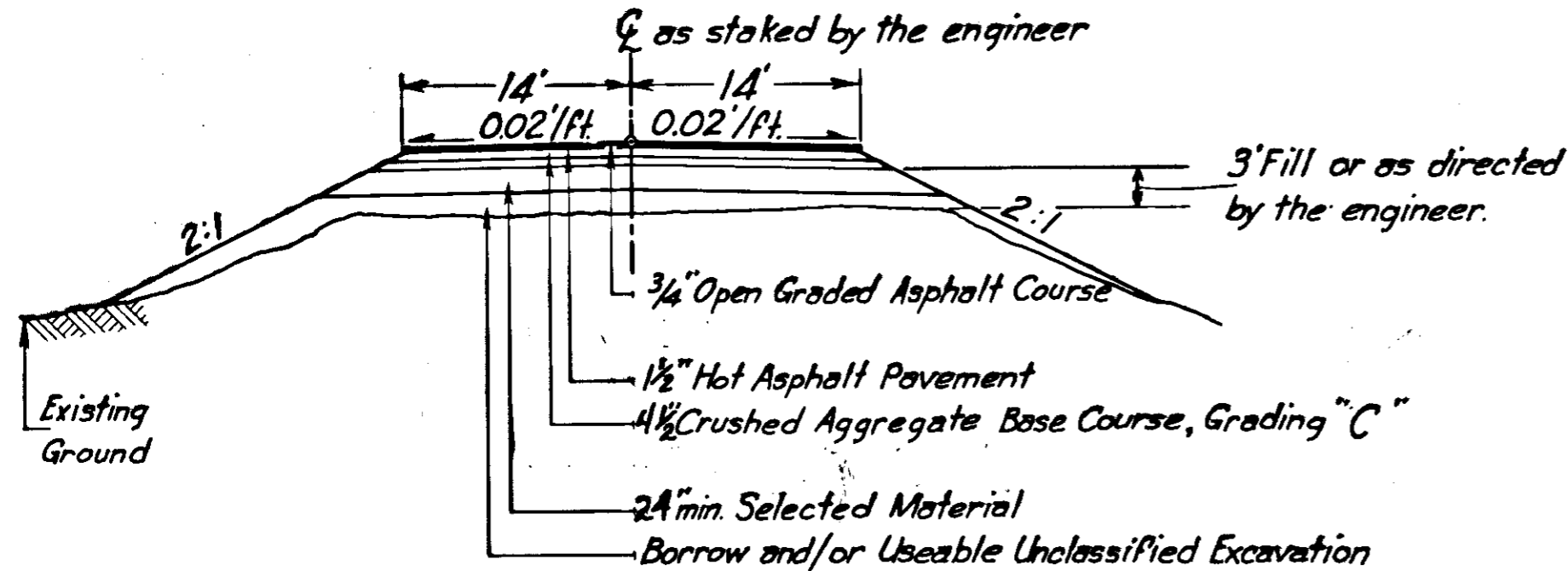
MILEPOST		MILEPOST	
FROM	To	FROM	To
25.70	25.77	28.39	28.43
25.90	26.00	28.60	28.71
26.35	26.37	29.06	29.08
27.08	27.12	29.23	29.27
27.69	27.78	29.66	29.80
28.23	28.31	30.08	30.13

STATE	PROJECT DESIGNATION	YEAR	SHT. NO.	TOTAL SHTS.
ALASKA	RF-095-10(6)	1974	3	15



Mile Post	
From	To
36.52	36.80
38.39	38.50

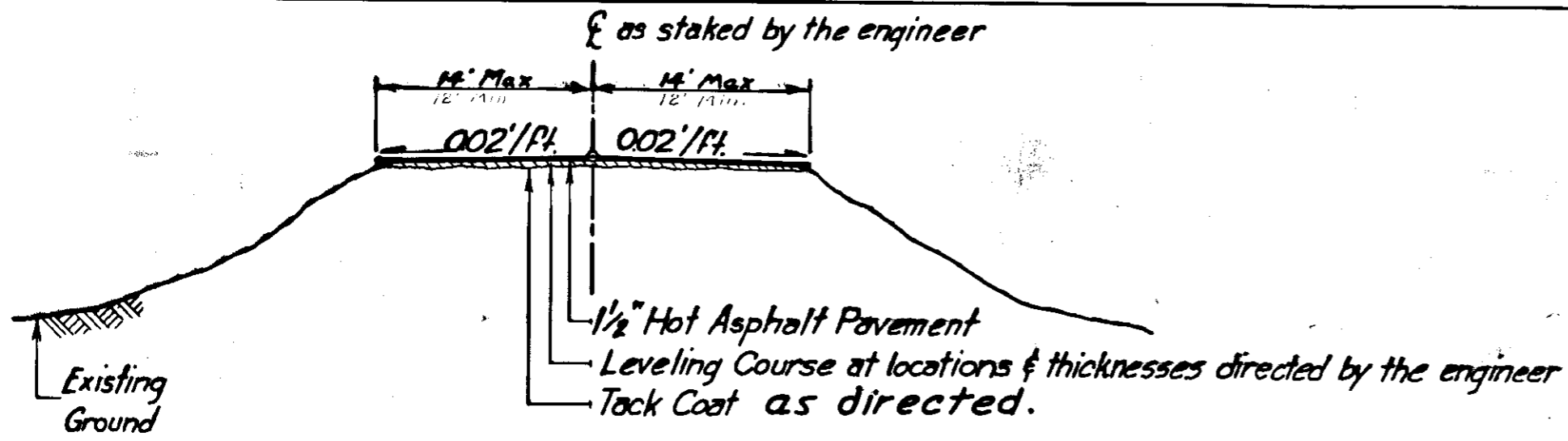
AREAS OF FILL
 See table "C" for approximate locations



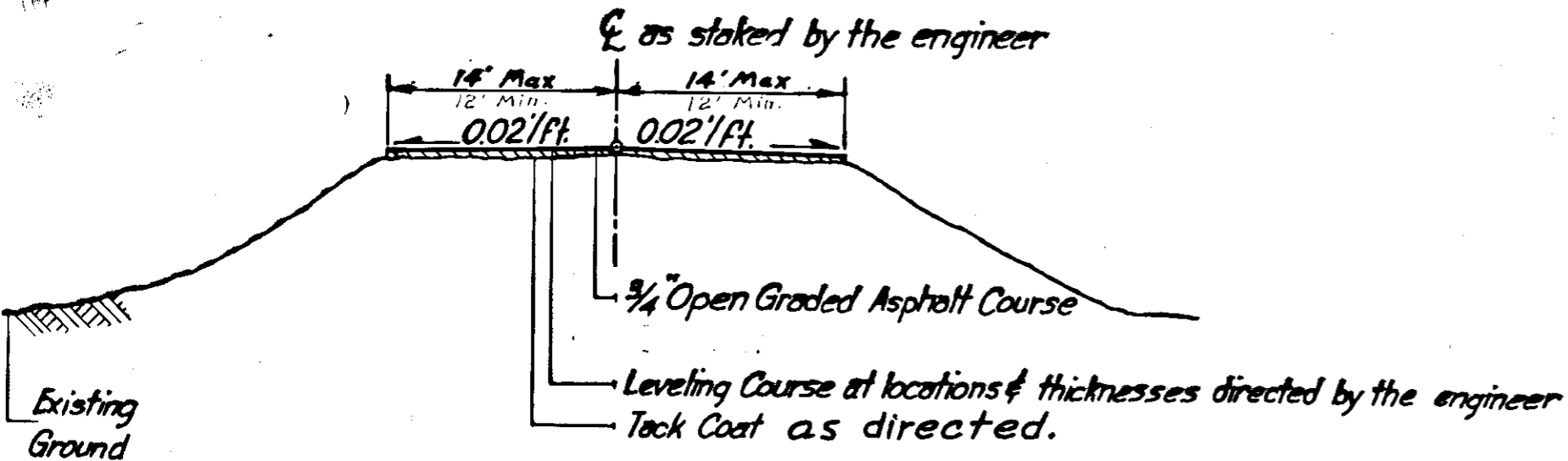
Mile Post	
From	To
29.31	29.98
29.27	29.66

AREAS OF FILL
 with Open Graded Asphalt Course
 See table "D" for approximate locations

STATE	PROJECT DESIGNATION	YEAR	SHT. NO.	TOTAL SHTS.
ALASKA	RF-095-10(6)	1974	4	18



LEVELING AREAS
 See table "E" for approximate locations



LEVELING AREAS
 with Open Graded Asphalt Course
 See table "F" for approximate locations

State of Alaska
 Department of Highways
Computations
 LEVELING AREAS (AS-BUILT)

TABLE "E"

MILE POST		MILE POST	
FROM	To	FROM	To
31.00	31.09	35.66	35.73
31.14	31.22	35.77	35.82
31.27	31.85	35.87	36.00
31.90	32.37	36.10	36.20
32.39	32.56	36.26	36.52
32.61	34.53	36.80	37.54
34.54	34.71	37.55	37.88
34.83	35.02	38.31	38.39
35.12	35.17	38.60	38.74
35.27	35.32	38.90	40.25

TABLE "F"

MILE POST		MILE POST	
FROM	To	FROM	To
25.30	25.70	28.31	28.39
25.77	25.90	28.43	28.60
26.00	26.35	28.71	29.06
26.37	27.08	29.08	29.23
27.12	27.69	29.80	30.08
27.78	28.23	30.13	30.90

STATE	PROJECT DESIGNATION	YEAR	SHT. NO.	TOTAL SHTS.
ALASKA	RF-095-10(6)	1974	5	15

ESTIMATE OF QUANTITIES			
Item No	Item	Unit	Total
1	Furnishing & Maintaining Engineering Facilities	L. S.	All Req'd
110(1)	Mobilization	L. S.	All Req'd
111(1)	Temporary Erosion & Pollution Control	C. S.	All Req'd
112(1)	Training Program IWA, FHWA Order Interim 7-2(2)	C. S.	All Req'd
113(1)	Flagging	M. H.	2,000 ⁴²⁸ ₉₅
2	Camp Facilities (EWO #1)	Man/Day	1092.2
202(4)	Removal & Disposal of Culvert Pipe	L.F.	691
203(3)	Unclassified Excavation	C.Y.	69,700
203(5B)	Borrow	Ton	180,000
301 (1)	Crushed Aggregate, Base Course Grading "C"	Ton	14,000
203(3A)	Special Excavation (EWO #3)	C.Y.	3,482
401(1)	Hot Asphalt Pavement	Ton	20,130
401(2A)	AR-10 Asphalt Cement	Ton	1,490
401(2B)	AR-40 Asphalt Cement	Ton	263
301(1A)	Grading C for Shoulders (EWO #9)	Ton	1,931
402(2)	CSS-1 Cationic Emulsified Asphalt for Tack Coat	Ton	110
301(1B)	Grading C for Shoulders (EWO #11)	Ton	2,156
406(1)	Open Graded Asphalt Friction Course	Ton	3,277
303(2)	Shoulder Preparation (EWO #5)	L.F.	118,988
601(2)	Metal Flume Downdrain	L.F.	100
603(22G)	24" Pipe Conduit	L.F.	610
401(2C)	AR-20 Asphalt Cement (EWO #4)	Ton	222.31
603(22H)	30" Pipe Conduit	L.F.	74
602(2H)	8'-2" X 5'-9" Structural Plate Pipe Arch	L.F.	300
606(1)	Beam Type Guardrail, Type 1 Post	L.F.	264
606(4)	Removal & Disposal of Guardrail	L.F.	756
615(2)	Removal & Reinstallation of Signs	Ea.	23
627(1)	Watering	M. Gal.	264
606(1A)	Beam Type Guardrail, Type 1 Post	L.F.	625
305(2)	Stockpiled Material, Section 703-2.03 Grading "C"	Ton	2,000
603(22I)	36" Pipe Conduit	L.F.	142
603(22K)	48" Pipe Conduit	L.F.	172
611(3)	Slide Repair (EWO #3)	C.Y.	870
611(4)	Riprap (EWO #10)	C.Y.	200

BASIS OF ESTIMATE	
CONVERSION FACTORS & YIELDS	
ITEM NO.	ACTUAL FACTOR
401(1)	117.9 #/YD ² (INCH)
401(2A)	5.49 % OF ITEM 401(1)
401(2C)	6.22% OF ITEM 406(1)
402 (2)	0.055 GAL/YD ² - 8.486 #/GAL.
406 (1)	NOT DETERMINED
301 (1)	1.99 TONS/YD ³
203(5B)	1.84 TONS/YD ³
	AS-BUILT

1,258
69,162
176,422
20,455
24,543.14
1347.41
Deleted, EWO #4
60.74
3,798.34
110.0
1517
253.30
Deleted
1,000
Deleted, C.O. #1
384.0
(EWO #8)
2,005

GENERAL NOTES:

1. Culvert lengths and locations are approximate only, and are subject to minor revisions.
2. Reconstruction, waste, and fill area locations are approximate only and shall be staked by the engineer.
3. Milepost (M. P.) is referred to on the plans as notation "Mile".
4. Finished roadway crown shall be 0.02'/ft. or as directed by the engineer.
5. Quantities for excavation, borrow and leveling courses are approximate only and are subject to change according to field conditions.

STATE	PROJECT DESIGNATION	YEAR	SHT. NO.	TOTAL SHTS.
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CULVERT SUMMARY AS-BUILT

MILE	REMOVAL & DISPOSAL		INSTALLATION		REMARKS
	SIZE	LENGTH	SIZE	LENGTH	
25.45	24"	72'	30"	74'	
25.70	18"	59'	24"	60'	
25.99			24"	60'	
27.20			24"	50'	
27.48			24"	42'	
28.02	30"	55'	36"	70'	
28.15			24"	80'	
28.26	18"	46'	24"	50'	
28.65	30"	57'	24"	75'	
29.25			24"	58'	
29.86			24"	54'	
30.10	24"	54'	24"	2@52'	
31.22			24"	44'	
31.88	36"	66'	36"	72'	
32.02	18"	44'	24"	50'	
32.34			24"	52'	
32.56	48"	62'	48"	64'	
32.62	48"	55'	24"	56'	
33.21	24"	82'	24"	84'	
33.29			24"	48'	
35.26	18"	58'	24"	58'	
35.68	18"	26'	24"	72'	INSTALL METAL FLUME DOWNDRAINS
35.75	18"	50'	24"	44'	
36.11	18"	55'	24"	54'	
36.22			24"	46'	
36.62	24"	77'	24"	64'	90° to R
36.91	2@ 6'x6' WOOD	100'	7-11" x 6'-4"	2@ 64'	
37.97	18"	50'	24"	54'	
38.34			24"	54'	
38.45	6'x6' WOOD	40'	7-11" x 6'-4"	58'	
38.47			24"	52'	
38.68	24"	50'	24"	52'	
38.79	18" 6'x6' WOOD	28' 30'	48"	2@ 54'	
40.02	6'x6' WOOD	46'	7-11" x 6'-4"	68'	

GUARDRAIL SUMMARY

MILE to MILE	REMOVAL & DISPOSAL	INSTALL
30.90 to 31.00	264' 100'	264' 625'
37.95 to 38.35	492'	
29.27 to 29.33	300'	

APPROACH SUMMARY

MILE	WIDTH	LEFT	RIGHT
27.35	24'		X
27.40	14'		X
31.85	14'	X	
25.50	14'		X
26.20	24'	X	
26.30	14'		X
27.70	14'		X
28.02	14'		X
31.20	14'		X
31.60	14'		X
32.55	14'		X
33.15	14'	X	X
33.20	24'		X
33.25	24'		X
33.45	14'		X
34.05	24'	X	
35.25	14'		X
36.88	14' 24'		X
37.10	14' 24'		X
39.95	14'		X

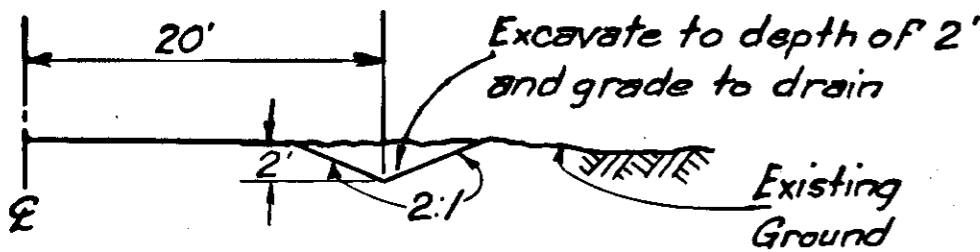
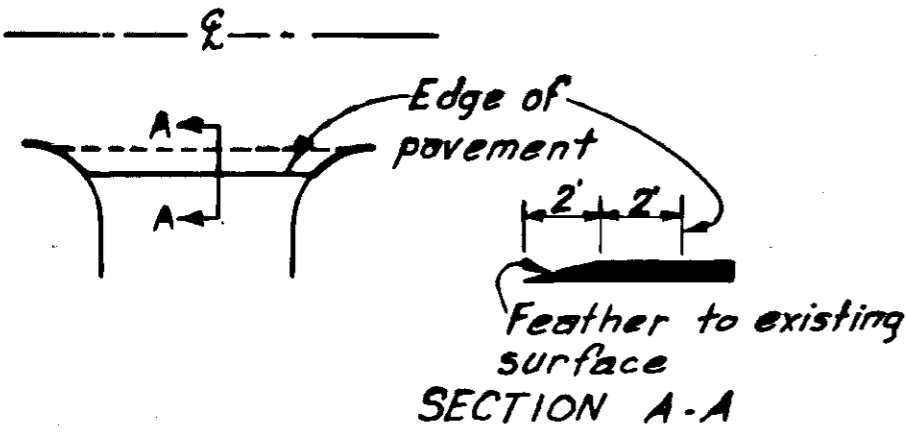
STATE	PROJECT DESIGNATION	YEAR	SHT. NO.	TOTAL SHTS.
ALASKA	RF-095-10 (6)	1974	7	15

DELETED BY CHANGE ORDER NO. 1

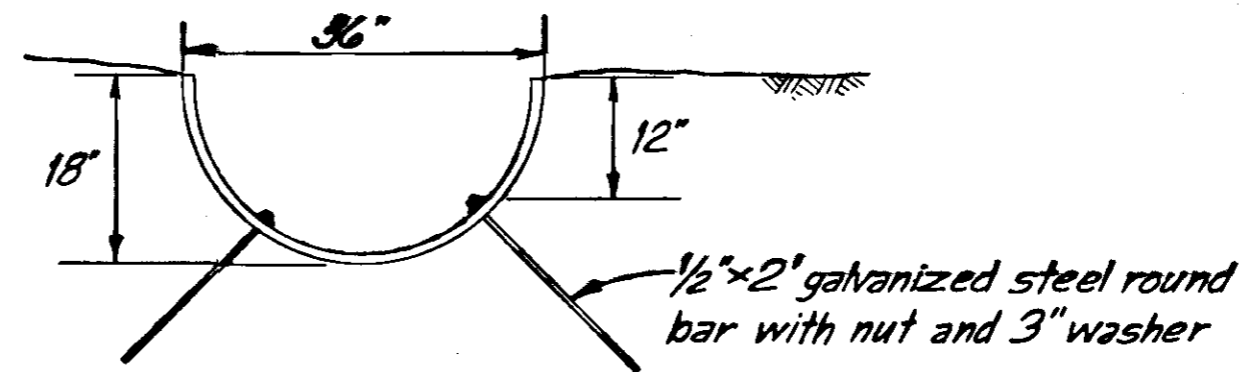
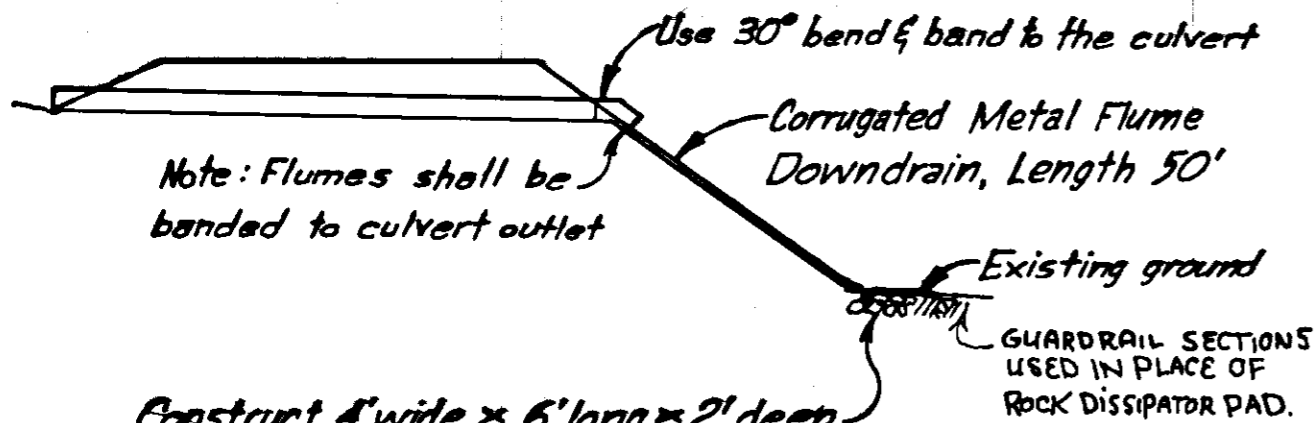
SIGN SUMMARY

MILEPOST		NO. OF SIGNS	REMARKS
FROM	TO		
25.60	26.00	3	Remove & Reinstall
27.60	27.80	1	
29.35	29.80	3	
31.80	31.90	1	
35.60	35.85	3	
36.00	36.25	1	
36.50	36.80	1	
37.95	38.35	6	
38.70	38.90	1	
40.00	40.10	3	Remove & Reinstall

TYPICAL APPROACH SURFACING



TYPICAL DITCHING SECTION
 Mile 25.60 to Mile 26.00
 Note: Payment under Item No 203(3)
 Unclassified Excavation.



Note: Flumes shall be banded to culvert outlet

Construct 4' wide x 6' long x 2' deep rock dissipator pad for metal flume down drain.

Incidental to construction of down drain.

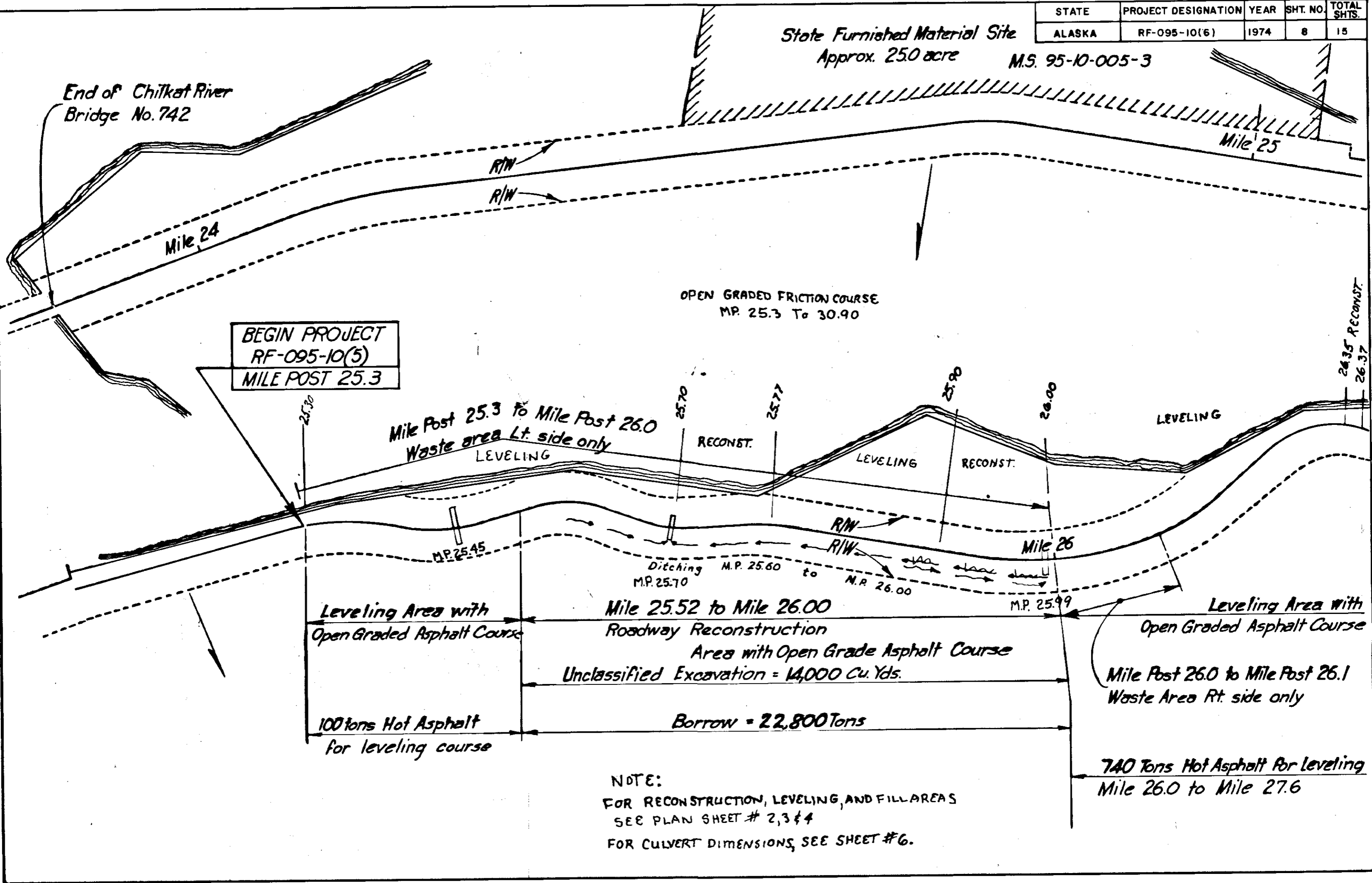
Rocks shall be 8" minimum in least dimension.

CORRUGATED METAL FLUME DOWNRAIN DETAIL
 M.P. 35.68 & M.P. 35.75

STATE	PROJECT DESIGNATION	YEAR	SHT. NO.	TOTAL SHTS.
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State Furnished Material Site
Approx. 25.0 acre

M.S. 95-10-005-3



BEGIN PROJECT
RF-095-10(5)
MILE POST 25.3

Mile Post 25.3 to Mile Post 26.0
Waste area Lt. side only
LEVELING

OPEN GRADED FRICTION COURSE
MP. 25.3 To 30.90

RECONST.

LEVELING

RECONST.

LEVELING

Leveling Area with
Open Graded Asphalt Course

Mile 25.52 to Mile 26.00
Roadway Reconstruction

Area with Open Grade Asphalt Course
Unclassified Excavation = 14,000 Cu. Yds.

Leveling Area with
Open Graded Asphalt Course

Mile Post 26.0 to Mile Post 26.1
Waste Area Rt. side only

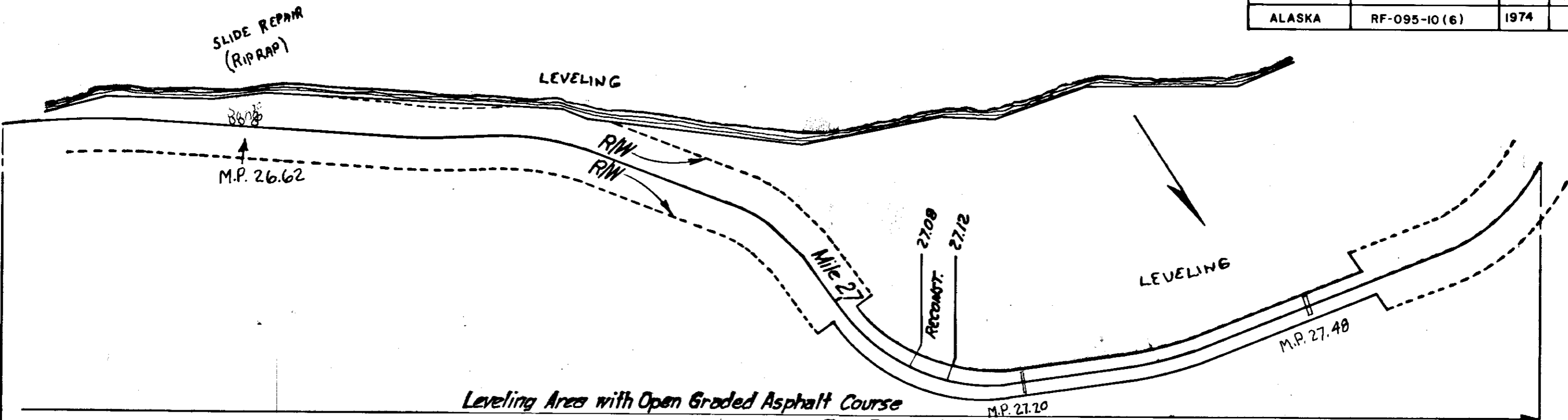
100 tons Hot Asphalt
for leveling course

Borrow = 22,800 Tons

740 Tons Hot Asphalt for Leveling
Mile 26.0 to Mile 27.6

NOTE:
FOR RECONSTRUCTION, LEVELING, AND FILL AREAS
SEE PLAN SHEET # 2, 3 & 4
FOR CULVERT DIMENSIONS, SEE SHEET # 6.

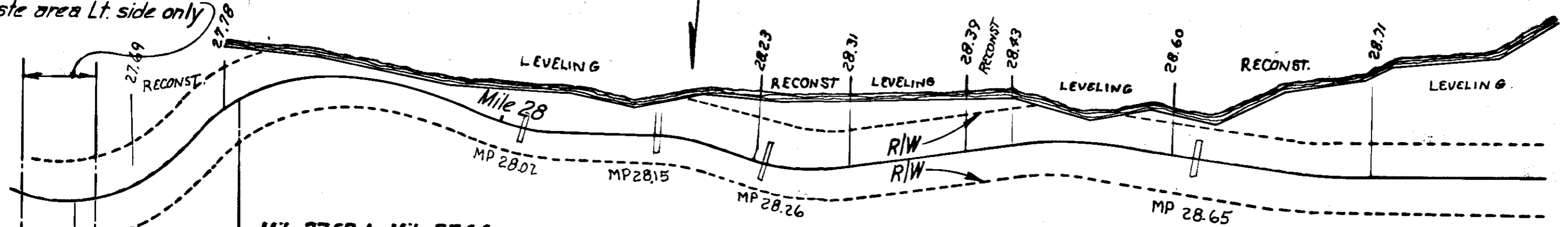
STATE	PROJECT DESIGNATION	YEAR	SHT. NO.	TOTAL SHTS.
ALASKA	RF-095-10 (6)	1974	9	15



Leveling Area with Open Graded Asphalt Course

740 Tons Hot Asphalt for Leveling Course
Mile 26.0 to Mile 27.6

Mile 27.60 to Mile 27.64
Waste area Lt. side only



Mile 27.62 to Mile 27.64
Waste Area Rt. side only

Leveling Area with Open Graded Asphalt Course

700 Tons Hot Asphalt for Leveling Course
Mile 27.80 to Mile 29.31

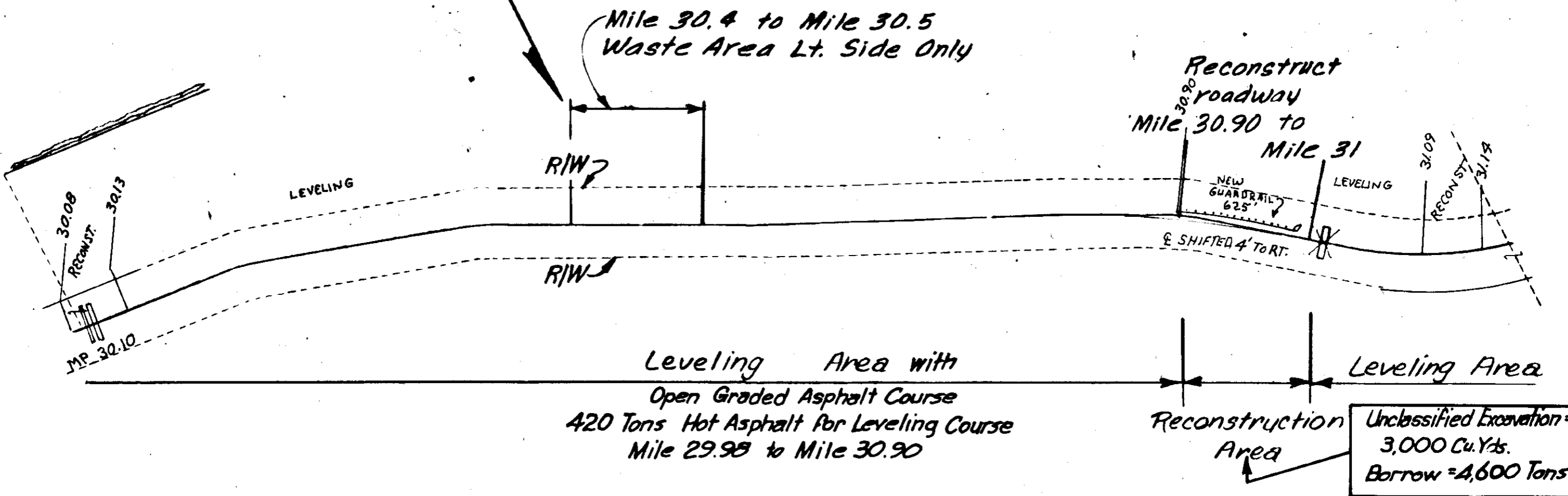
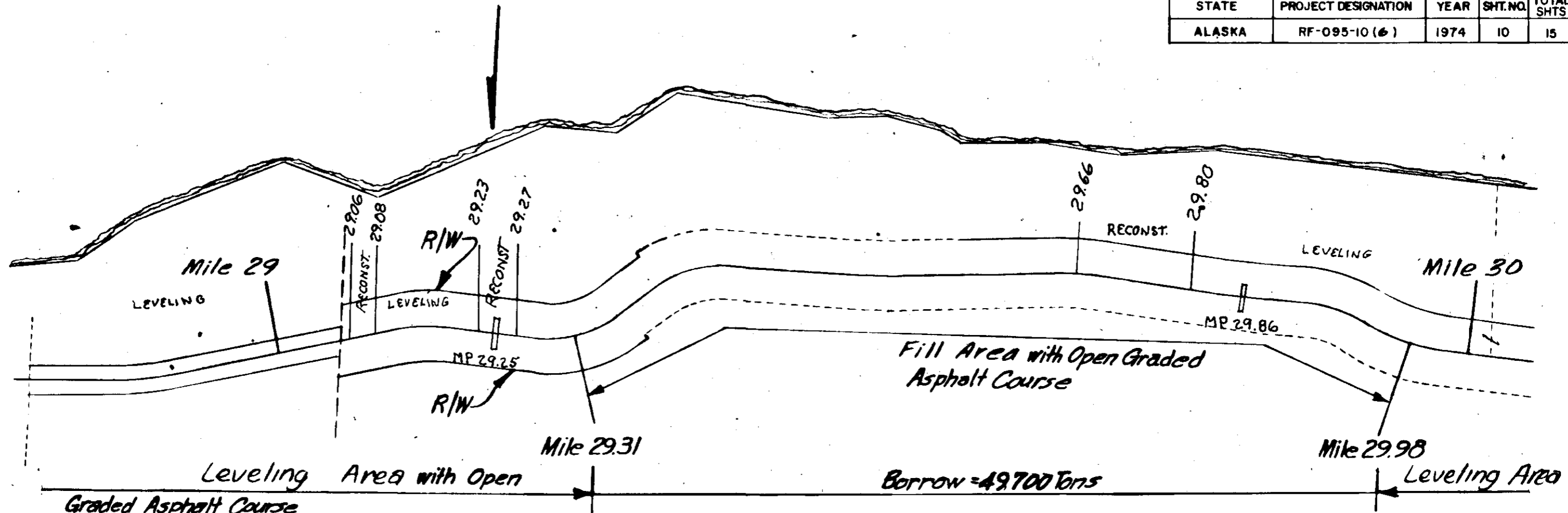
Mile 27.60 to Mile 27.80
Roadway Reconstruction
Area with Open Graded
Asphalt Course

Unclassified Excavation =
6,000 Cu.Yds.

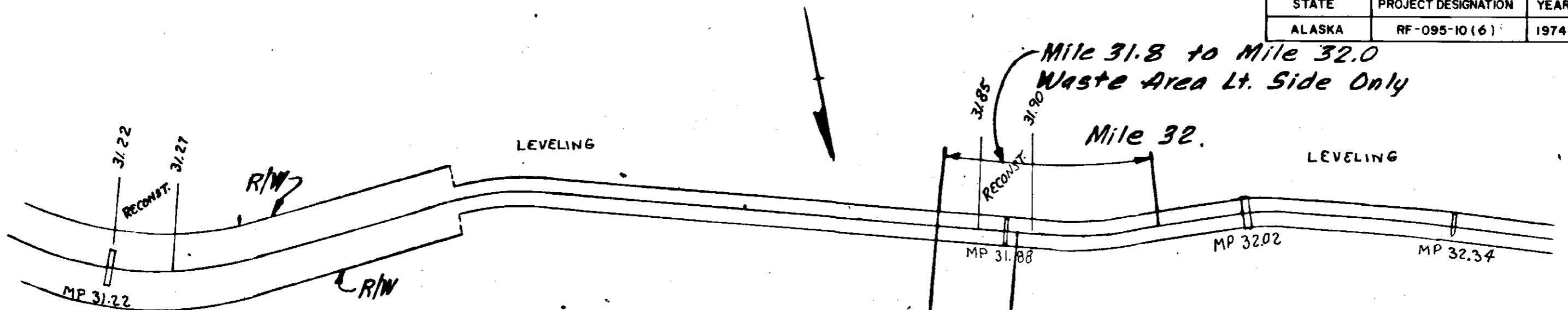
Borrow = 9,100 Tons

Attachment #1 Addendum #3

STATE	PROJECT DESIGNATION	YEAR	SHT. NO.	TOTAL SHTS.
ALASKA	RF-095-10 (6)	1974	10	15



STATE	PROJECT DESIGNATION	YEAR	SHT. NO.	TOTAL SHTS.
ALASKA	RF-095-10(6)	1974	11	15



Mile 31.8 to Mile 32.0
Waste Area Lt. Side Only

Mile 31.80 to Mile 31.90
Reconstruction Area

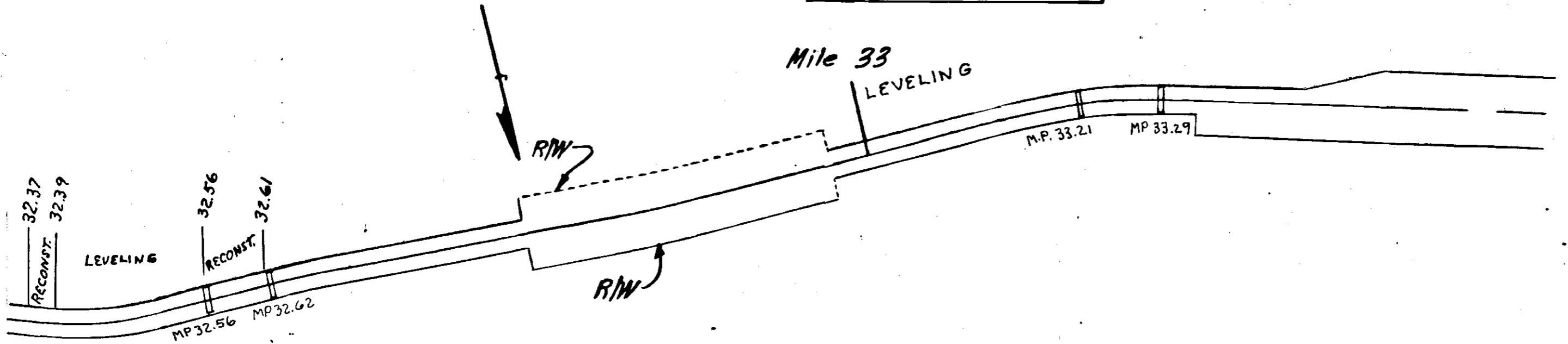
Leveling Area

370 Tons Hot Asphalt for Leveling Course
Mile 31.00 to Mile 31.80

Leveling Area

1300 Tons Hot Asphalt for Leveling Course
Mile 31.90 to Mile 34.74

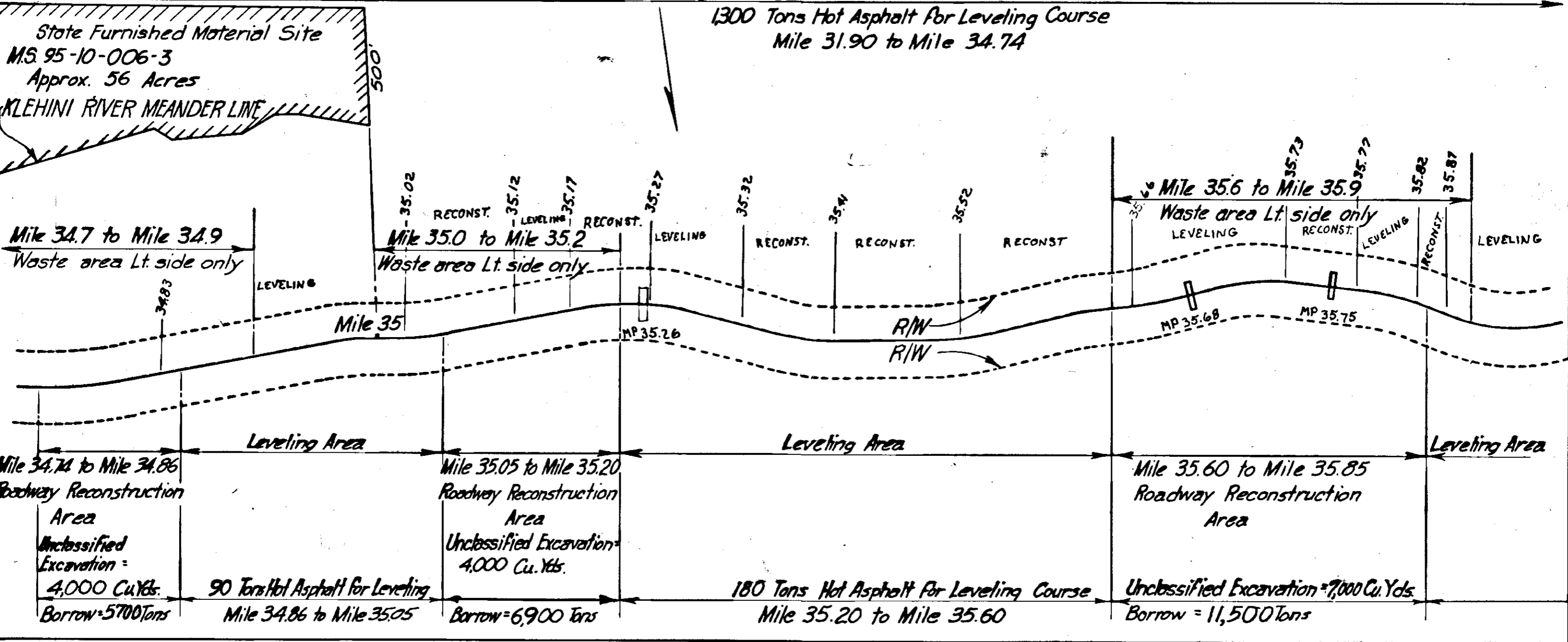
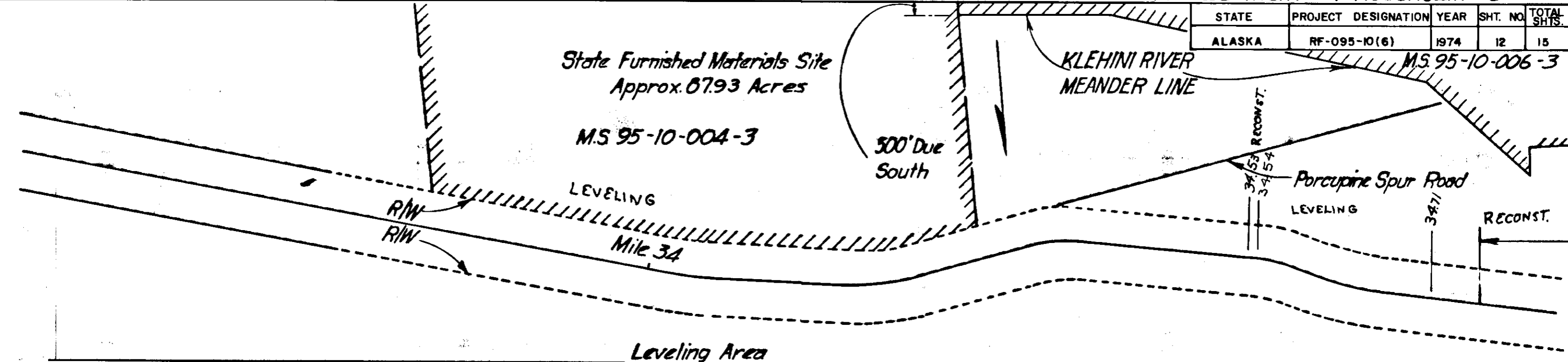
Unclassified Excavation =
3,000 Cu. Yds.
Borrow = 4,600 Tons



Leveling Area

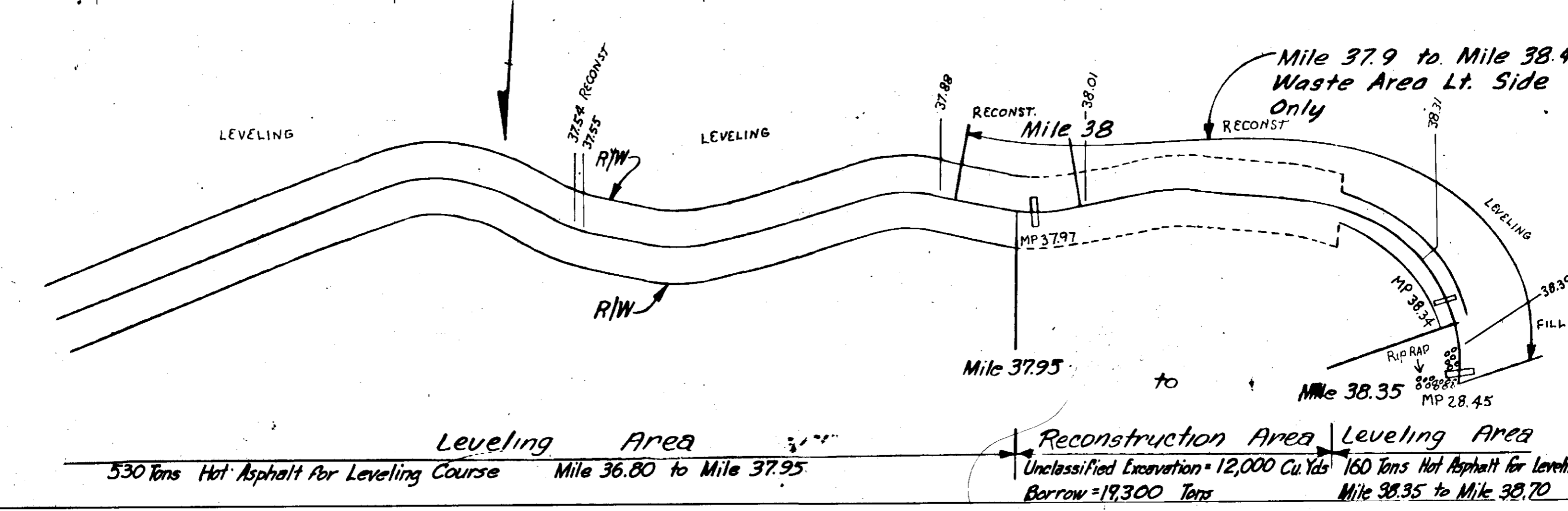
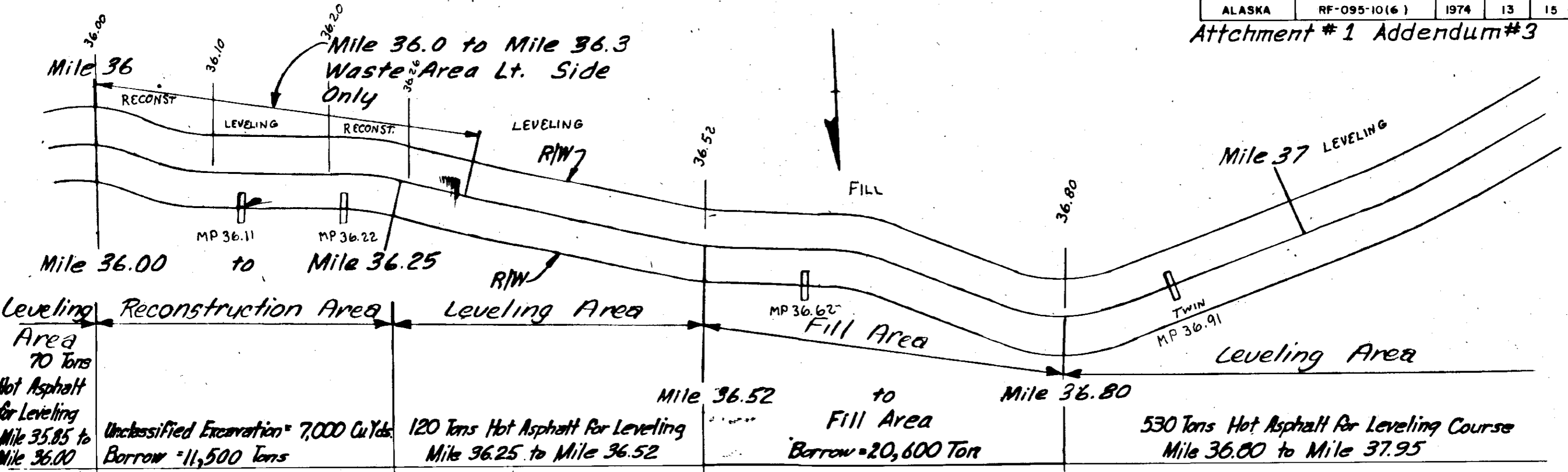
1300 Tons Hot Asphalt for Leveling Course
Mile 31.90 to Mile 34.74

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ALASKA	RF-095-10(6)	1974	12	15

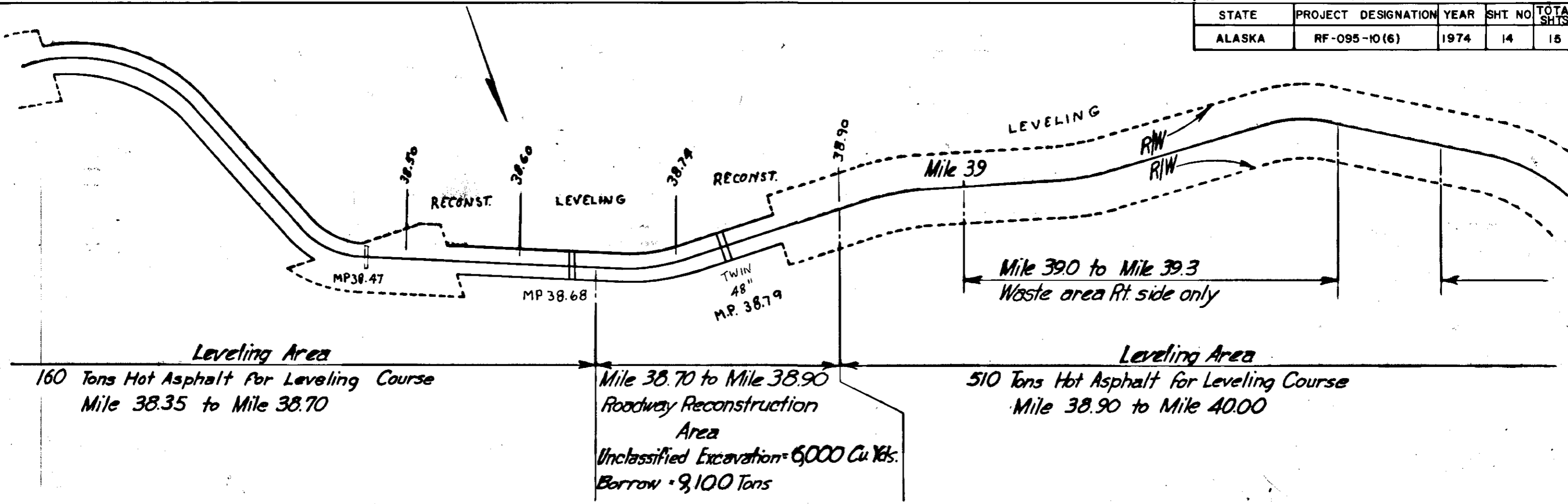


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Attachment #1 Addendum #3



STATE	PROJECT DESIGNATION	YEAR	SHT NO	TOTAL SHTS.
ALASKA	RF-095-10(6)	1974	14	15



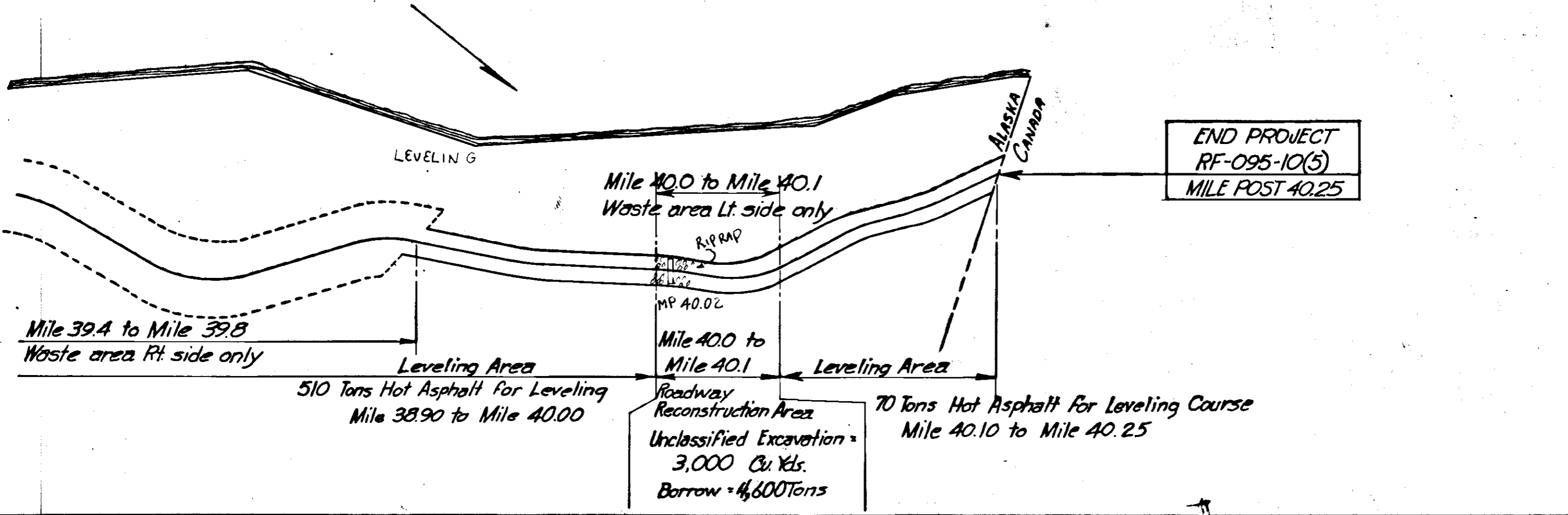
Leveling Area

160 Tons Hot Asphalt for Leveling Course
Mile 38.35 to Mile 38.70

Mile 38.70 to Mile 38.90
Roadway Reconstruction Area
Unclassified Excavation = 6000 Cu. Yds.
Borrow = 9,100 Tons

Leveling Area

510 Tons Hot Asphalt for Leveling Course
Mile 38.90 to Mile 40.00



Mile 39.4 to Mile 39.8
Waste area Rt. side only

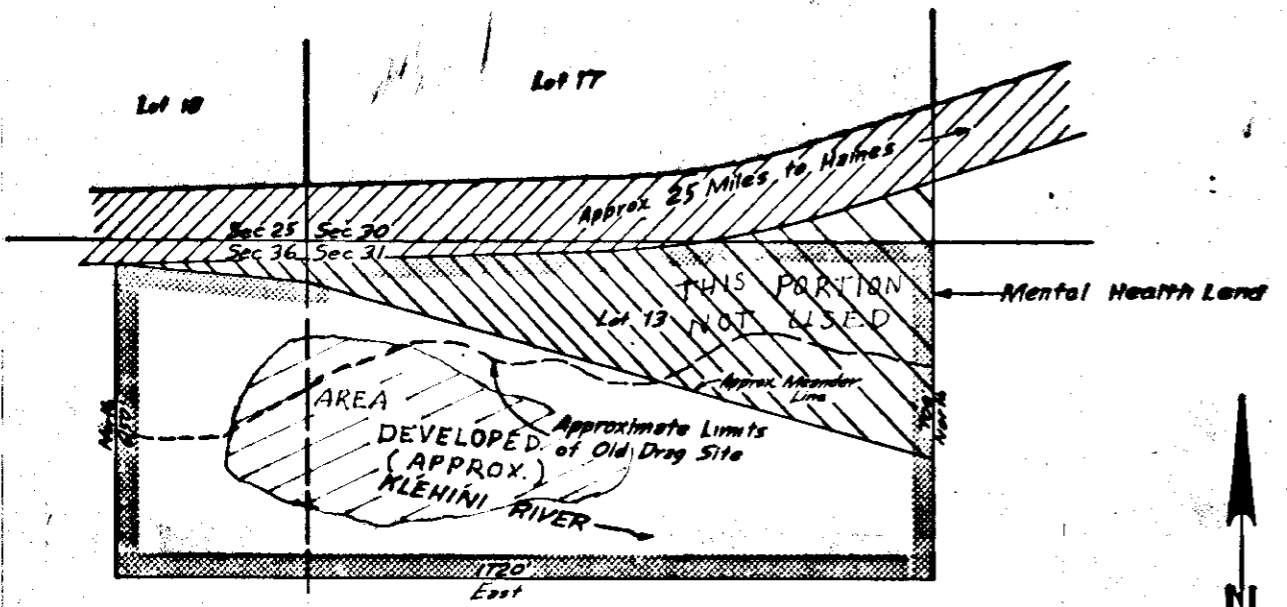
Leveling Area
510 Tons Hot Asphalt for Leveling
Mile 38.90 to Mile 40.00

Mile 40.0 to Mile 40.1
Waste area Lt. side only
RIPRAP
MP 40.02
Mile 40.0 to
Mile 40.1
Roadway
Reconstruction Area
Unclassified Excavation =
3,000 Cu. Yds.
Borrow = 4,600 Tons

Leveling Area
70 Tons Hot Asphalt for Leveling Course
Mile 40.10 to Mile 40.25

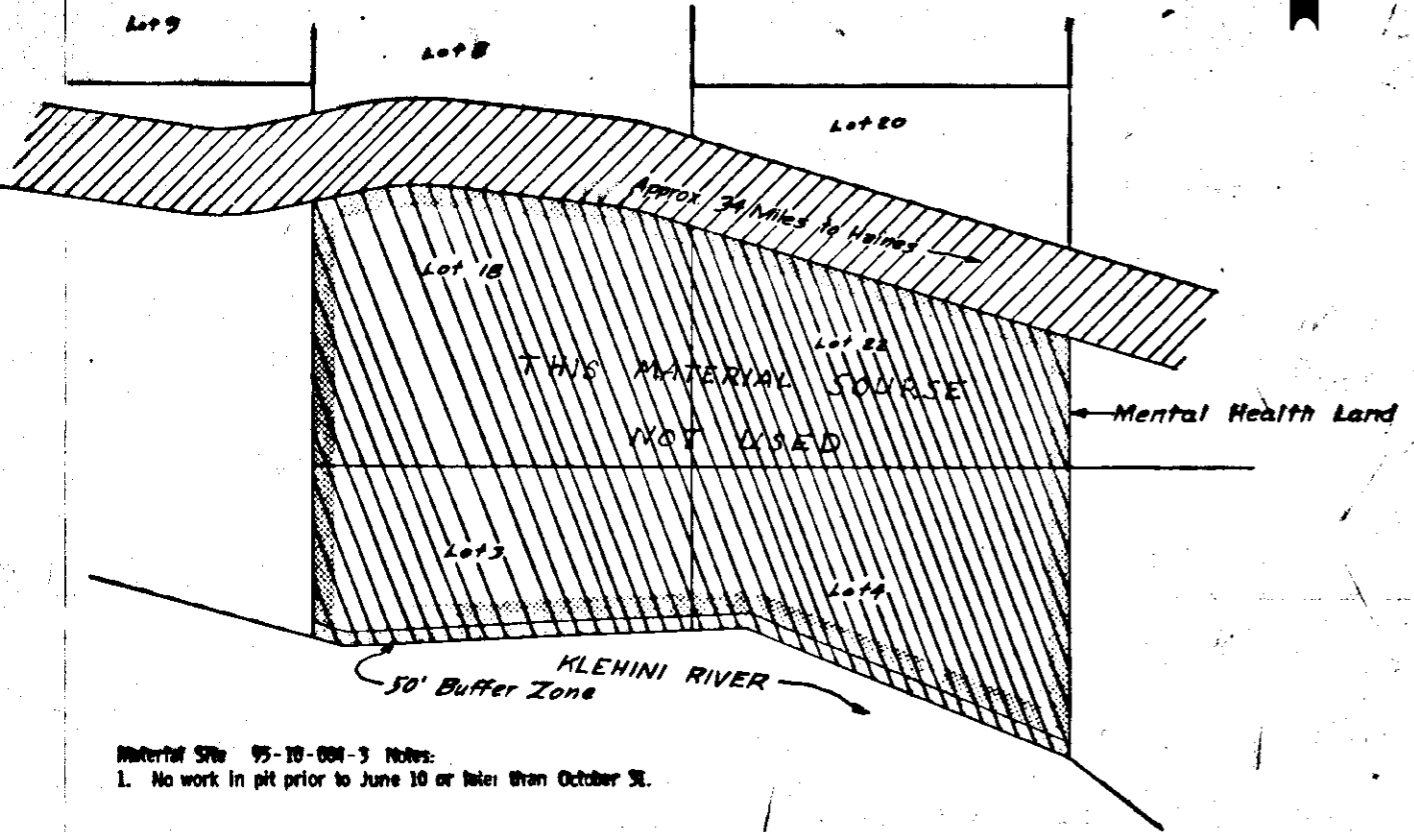
END PROJECT
RF-095-10(5)
MILE POST 40.25

STATE	PROJECT DESIGNATION	YEAR	SHT. NO.	TOTAL SHTS.
ALASKA	RF-095-10(6)	1974	15	15

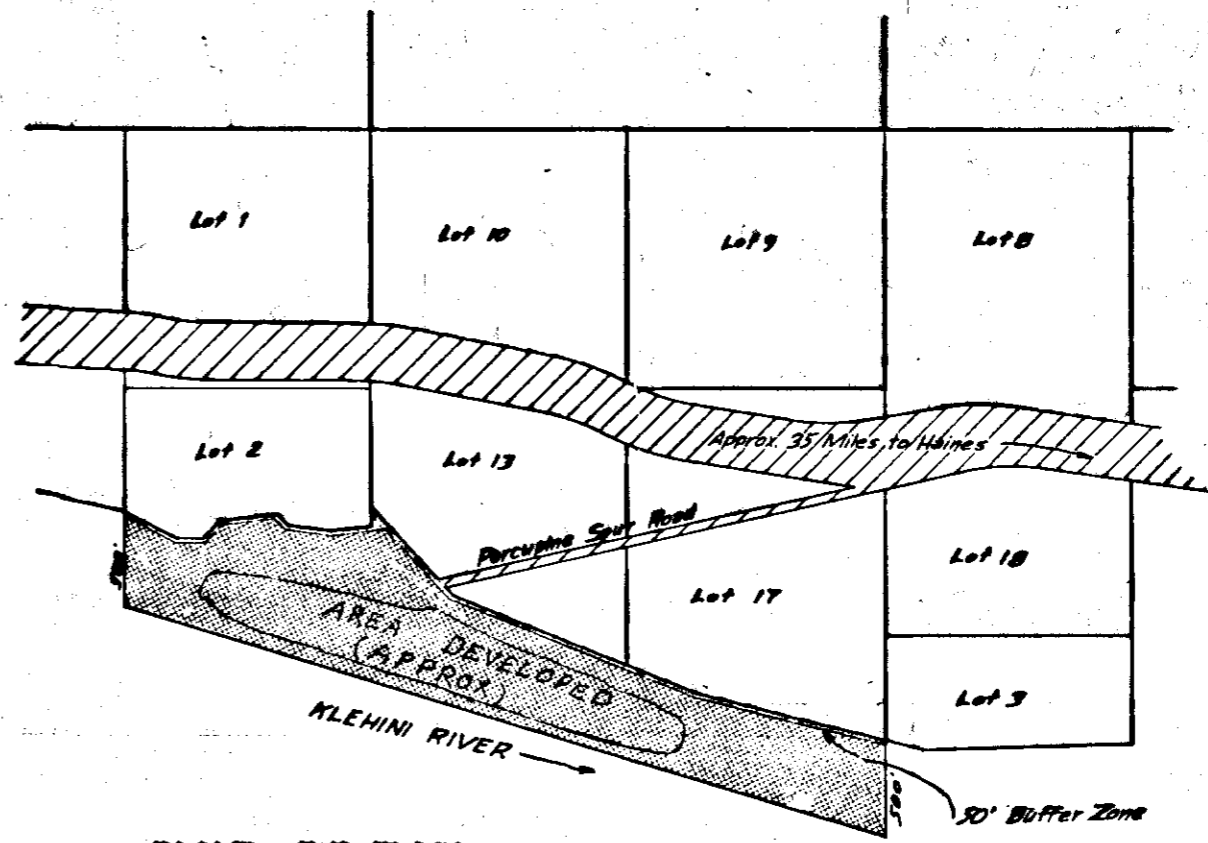


- Material Site 95-10-005-3 Notes:
1. Work between the old drag site and the river channel may not be carried out prior to June 10 or later than September 1.
 2. Work between the river side fringe of the old drag site and the highway may not be carried out prior to April 1 or later than October 31.

- GENERAL NOTES AND STIPULATIONS:**
1. Overburden shall be disposed of in a manner that will not be unsightly.
 2. Overburden shall be disposed of in a manner that will not interfere with possible future use of this material source.
 3. Backslopes shall be a minimum of 2:1, or the same as the natural slopes in the area for this type of material, whichever is greater.
 4. Backslopes shall be reseeded.
 5. No excavation shall remain, upon completion of materials removal, which shall impound water.
 6. No stockpiles shall remain upon completion of the project except as provided for in section 305 of the Special Provisions.
 7. Upon completion of materials removal, debris and equipment shall be removed. Cleanup shall be performed to the satisfaction of the State.
 8. No material shall be removed from the 50 foot buffer zone designated as shown on the plans.
 9. Written permission shall be obtained from the Engineer prior to construction of any haul road.
 10. Temporary bridging shall be required over active channels.
 11. No gravel may be removed from active channels or nearer than 50 yards from active channels.
 12. No deep holes that could later become traps to fish shall be dug. Gravel shall be scraped from the surface to a depth of only a few feet.
 13. A royalty of \$.25 per cubic yard shall be paid by the Contractor as outlined in section 106 of the special provisions.



- Material Site 95-10-006-3 Notes:
1. No work in pit prior to June 10 or later than October 31.



- Material Site 95-10-008-3 Notes:
1. No work in pit prior to June 10 or later than September 1.