

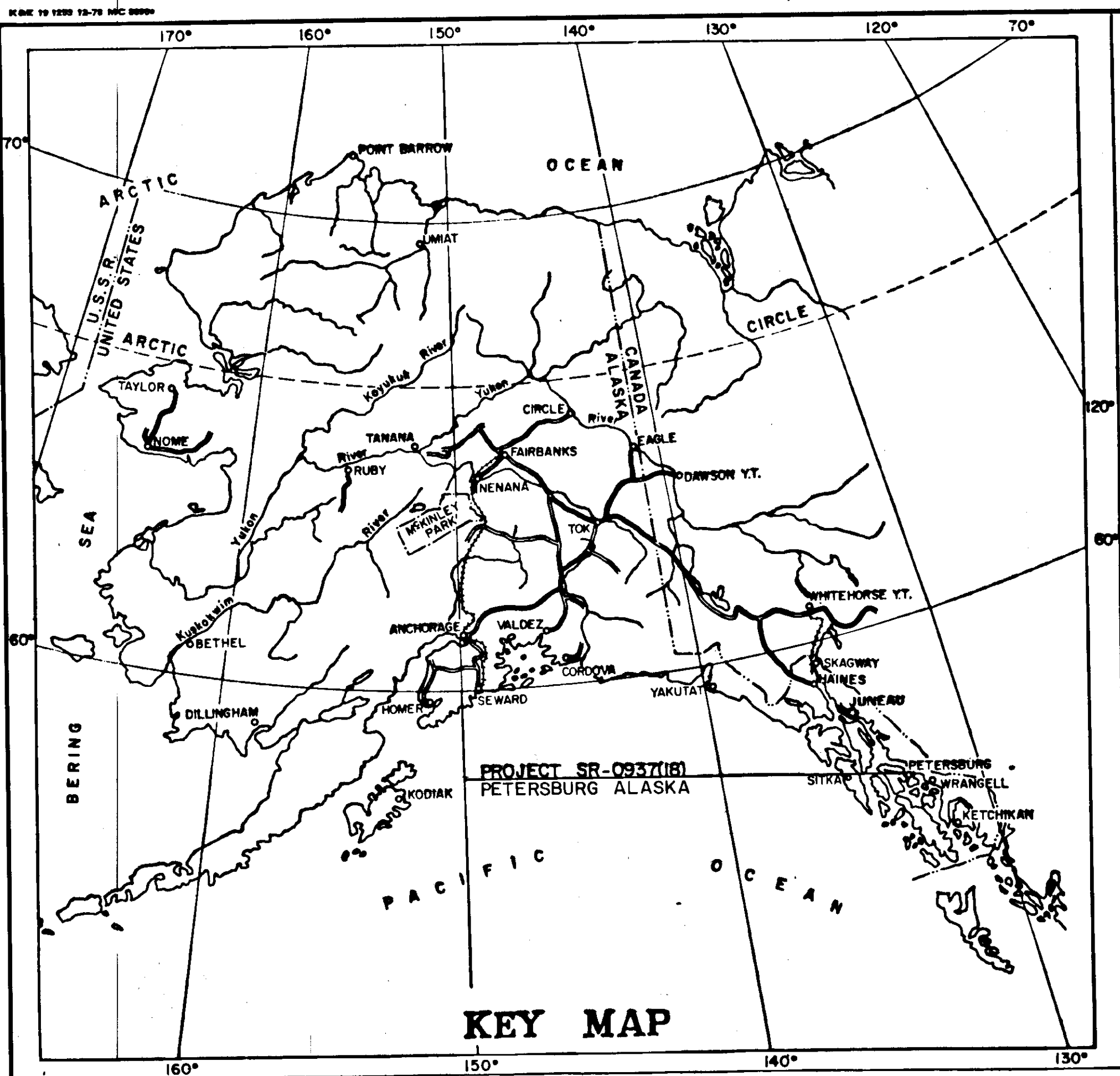
STATE	PROJECT	SHEET NO.	TOTAL SHEETS
ALASKA	SR - 0937(18)	1	13

**STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES**

**PLAN AND PROFILE
PROPOSED HIGHWAY PROJECT
MITKOF HIGHWAY PETERSBURG SOUTH
FERRY TERMINAL
TO
SCOW BAY
PAVING & DRAINAGE
SR-0937(18) B56542**

INDEX OF SHEETS	
Sheet No.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION
3	ESTIMATE OF QUANTITIES, SIGNING
4	MATERIAL SITE
5-12	PLAN SHEETS
13	TRAFFIC CONTROL PLAN

THE FOLLOWING STANDARD DRAWINGS ARE INCLUDED IN THIS PROJECT: A-1, C-00.00, C-10.01, C-11.01, D-01.00, D-04.01, D-05.01, G-04.01 S, G-04.01 W, G-14.01 S, G-14.01 W, G-18.00, I-40.00, M-16.00, S-00.00, S-05.00, S-20.00, S-30.00, T-21.00



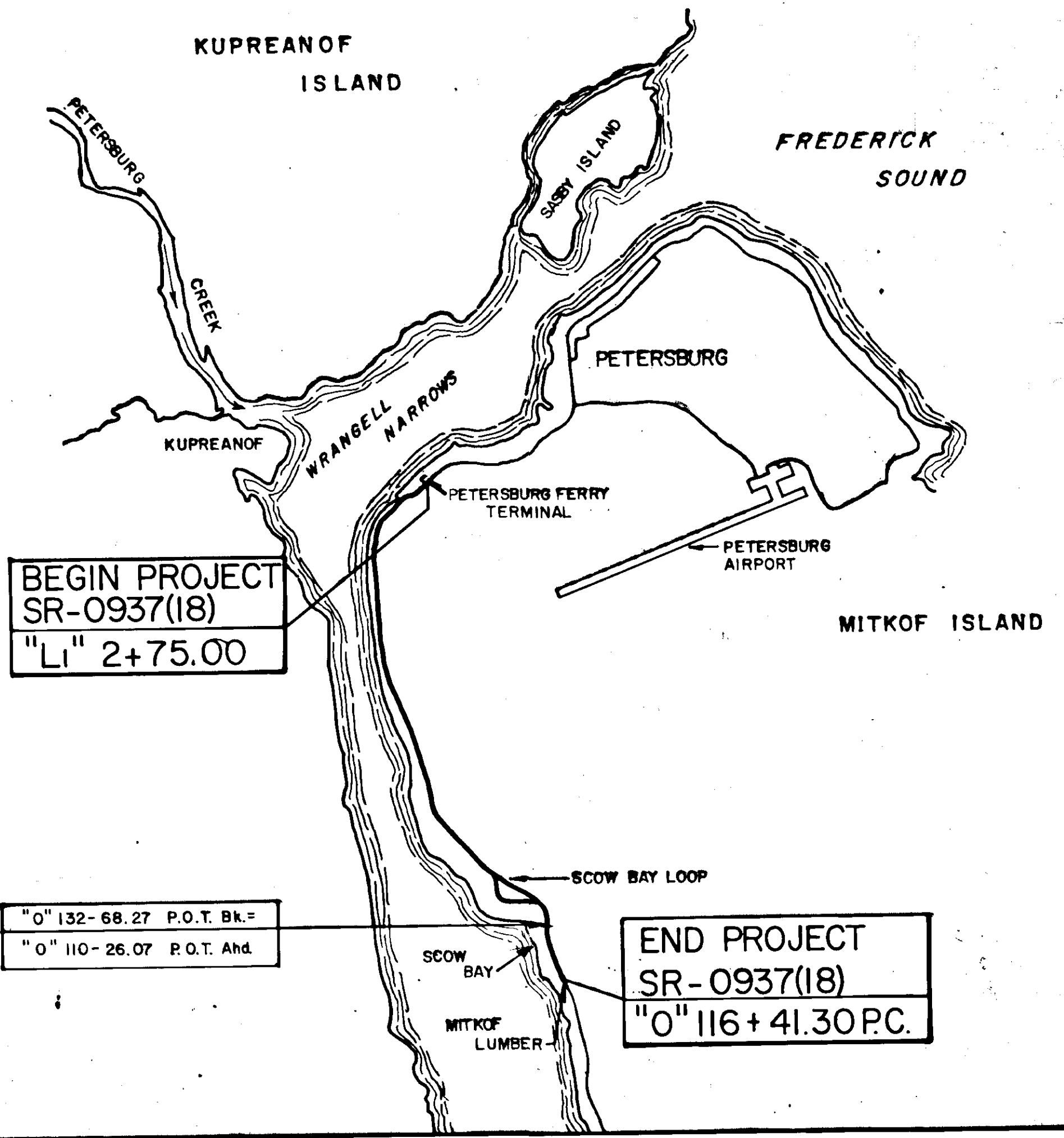
PROJECT SUMMARY

	Feet	Miles
WIDTH OF PAVING	= 32	
LENGTH OF PAVING	= 13,616	= 2.58
LENGTH OF PROJECT	= 13,616	= 2.58

DESIGN DESIGNATION

ADT (1983)	= 2,554
ADT (2000)	= 4,137
DHV (12%)	= 496
T	= 3.5%
T.I.	= 7.0
V. (Sta. 10+94 - E.O.P.)	= 35 M.P.H.
V. (B.O.P. - Sta. 10+94)	= 30 M.P.H.

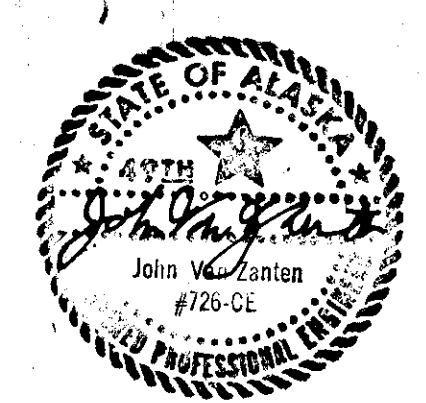
WIDTH EXCEPTION GRANTED BY
FHWA DATED JAN. 27, 1983



"As-Built" Plans

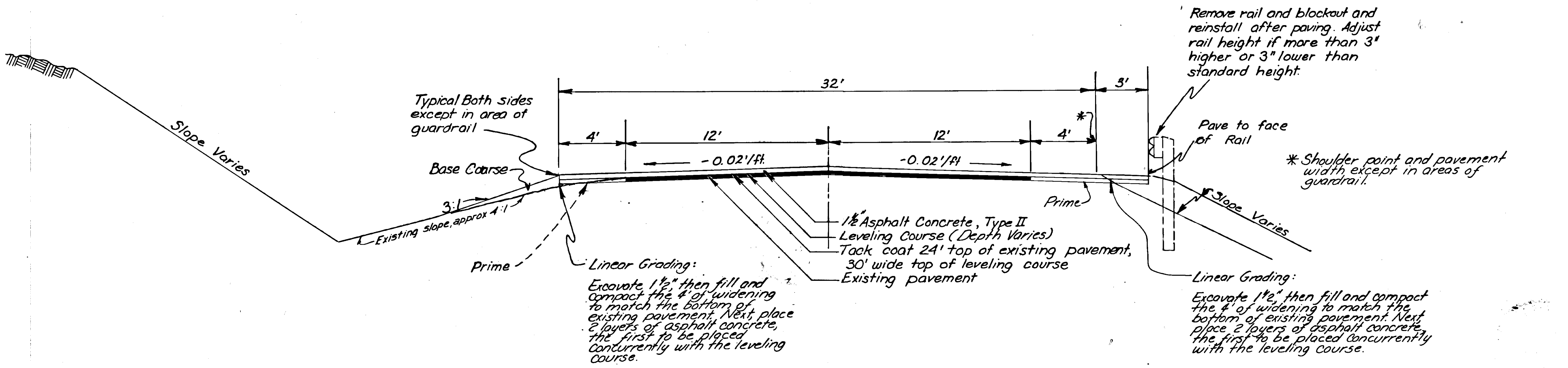
Contractor: Assoc. Sand & Gravel Co., Inc.
Project Engineer: John R. Edwards
Begun: 3-10-85
Complete: 9-15-85

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
APPROVED
Walace Williams Date 9/18/84
DESIGN CHIEF S.E. REGION

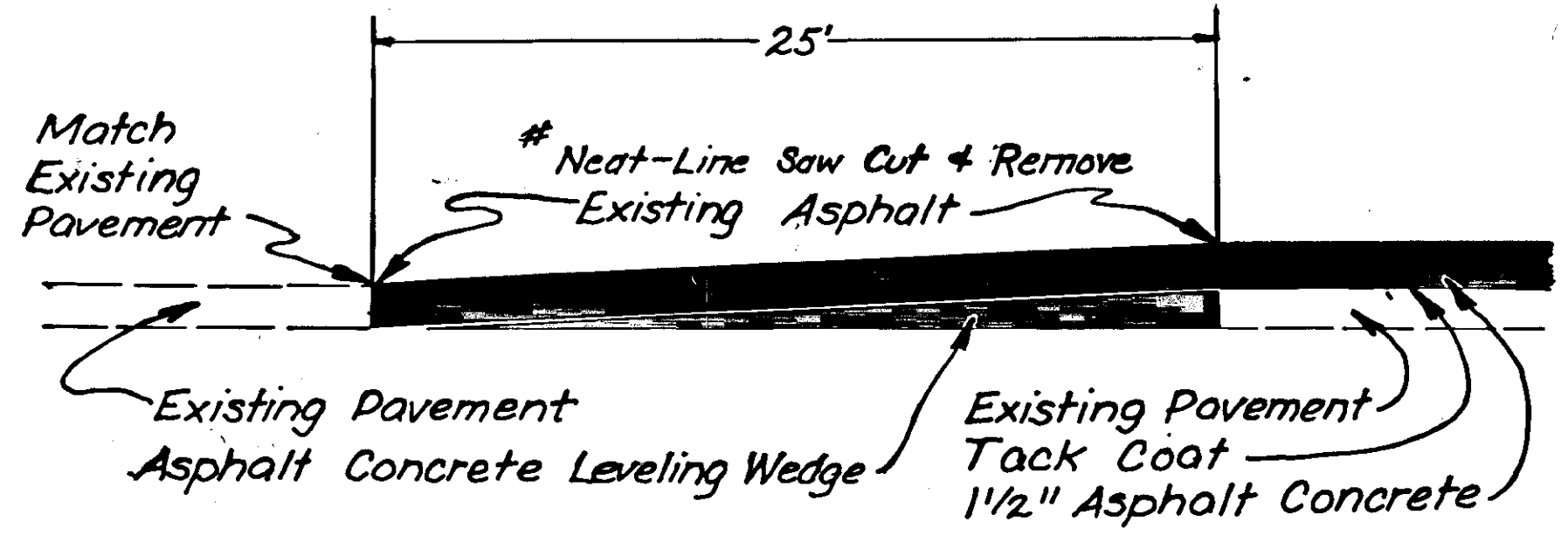


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
APPROVED
John R. Edwards Date 9-18-84
DIR. DESIGN & CONST. S.E. REGION

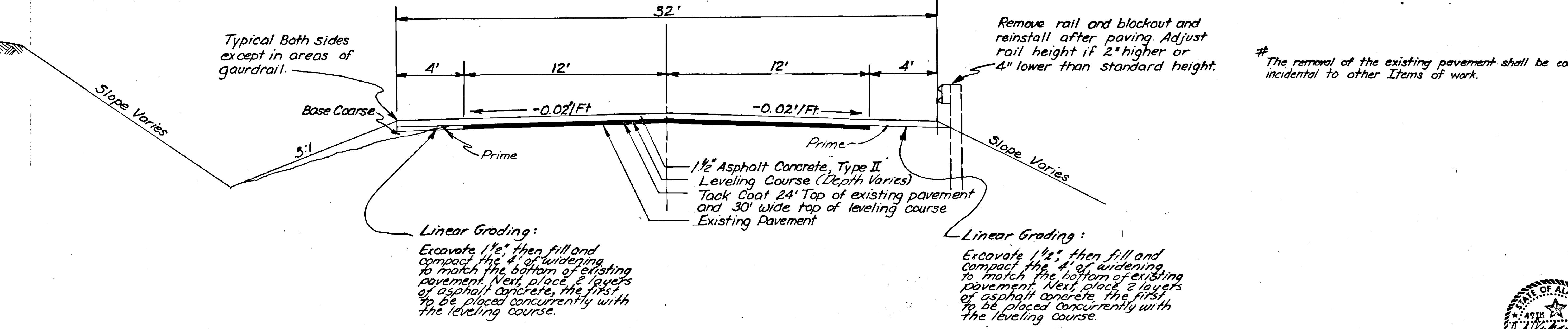
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-0937(18)	1983	2	13



TYPICAL SECTION OF IMPROVEMENT
B.O.P. "L" 2+75.00 TO STA. "O" 126+39.15



PAVEMENT TRANSITION
DETAIL E. O. P. and B. O. P.



TYPICAL SECTION OF IMPROVEMENT
STA "O" 126+39.15 TO STA "O" 116+41.30 P.C. E.O.P.



ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
110(1)	Mobilization	L.S.	All Req'd
111(1)	Temporary Erosion and Pollution Control	C.S.	All Req'd
113(1)	Flagging	Manhr.	All Req'd
114(1)	Construction Surveying by the Contractor	L.S.	All Req'd
115(1)	Traffic Maintenance	L.S.	All Req'd
115(2)	Construction Signs	L.S.	All Req'd
116(1)	Furnishing and Maintaining Field Office	L.S.	All Req'd
116(2)	Furnishing and Maintaining Field Laboratory	L.S.	All Req'd
203(3)	Unclassified Excavation	C.Y.	3,900
203(8)	Linear Grading	Sta.	136.16
301(1)	Crushed Aggregate Base Course	Ton	9,412
304(1)	Subbase Grading "G" deleted by E.W.O. No.1	Ton	4,312
401(1)	Asphalt Concrete Type II	Ton	9,600
401(2)	Asphalt Cement AC-5	Ton	576
402(1)	CSS-1 Asphalt for Tack Coat	Ton	19.73
403(7)	MC-30 Liquid Asphalt for Prime Coat	Ton	45
603(22-18)	18-Inch Pipe	L.F.	220
603(22-2A)	24-Inch Pipe	L.F.	80
604(4)	Adjust Existing Manholes	Each	6
606(1)	Beam Type Guardrail Type I Post	L.F.	212.5
606(4)	Removal and Reconstruction of Guardrail	L.F.	520
606(6)	End Anchorages	Each	6
606(8)	Guard rail Modification	L.F.	4,900
606(9)	Guard rail Adjustment	L.F.	1,500
614(4)	Adjust Existing Monument Case	Each	1
615(1)	Standard Sign	Sq. Ft.	192.5
618(6)	Seeding	L.S.	All Req'd
628(11)	Adjustment of Valve Box	Each	5
634(1)	Pavement Reinforcing Fabric	Sq. Yd.	3,000
639(1)	Approachs	Each	40
670(1)	Painted Traffic Markings	L.S.	All Req'd
109(1)	WBE & DBE Adjustment	E.W.O. 6	C.S. All Req'd
203(5C)	Borrow, Type A	E.W.O. 2	C.Y. 720
203(9)	Parking Lot Grading	E.W.O. 3	L.S. All Req'd
203(10)	Roadway Excavation	E.W.O. 4	L.S. All Req'd
603(22-36)	36" Culvert Extension	E.W.O. 5	L.S. All Req'd

NOTE: The Contractor is to furnish and place approximately 4,312 tons of Items 304(1) and 4,312 tons of Items 301(1) on the new Petersburg Boat Harbor parking areas. The parking areas consist of two acres, one approximately 0.8 acres in size, and one approximately 1.4 acres in size. Contractor to place 6" of Item 304(1) followed by 6" of Item 301(1) parking area. Grading will be provided by the Contractor and approved by the Engineer. This work is State funded under Project K-78190.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-0937 (18)	1983	3	13

GENERAL NOTES

- The contractor shall be responsible for checking the cross slope of the roadway so that the paving of the shoulders will be at the 0.02 per ft. shown in typical section and to the same superelevation on curves as the existing roadway and to the depth as shown on the plans.
- Any work required on existing paved approaches shall be considered incidental to other items of work unless the existing paved approach has to be removed in order to achieve the cross slope as called for in Note 1 above. All unpaved approaches and those paved which have to be removed to achieve the cross slope will be paid for under bid item 639(1) Approaches
- Any guardrail terminal ends not meeting standard drawings G-14.01s or G-14.01w shall be replaced.
- Pavement for approaches shall be 25 ft. or the right of way line whichever is shortest distance.
- The Contractor shall investigate the need for any work outside our right of way, and shall secure all necessary permits required.
- Vertical and Horizontal Control shall be the existing shoulders of the roadway.



BASIS OF ESTIMATE		
ITEM NO.	ITEM	ESTIMATING FACTOR
301(1)	Crushed Aggregate Base Course	1.96 Ton/Cy.
401(1)	Asphalt Concrete Type II	116 **/Sq. Yd./In Depth
401(2)	Asphalt Cement AC 5	6 % of Item 401(1)
*402(2)	CSS-1 Asphalt For Tack Coat	0.10 Gal/Sq. Yd.
403(2)	MC-30 Liquid Asphalt for Prime Coat	0.25 Gal/Sq. Yd.
	Coat	256 Gal/Ton

*Diluted Mixture 240 Gal/Ton

SIGNING SCHEDULE

No.	Station	Dist. from		Code No.	Legend	Sign Panel Thickness			Post				Facing Traffic	Remarks
		Lt.	Rt.			Unframed	Framed	Area SF.	No. of Posts	Type	Size	Length		
1	"L" 3+05	24'	R2-1T	Speed Limit 30	30x36"	"0.080"	7.5	NONE REQUIRED				S.B.		
2	"L" 4+22	24'	W1-4RT	Reverse Curve Rt.	36x36"	"0.080"	9.0					S.B.		
3	"L" 4+22	24'	W13-1T	25 MPH	24x24"	"0.080"	4.0					S.B.	Mount Below 2	
4	"L" 4+50	20'	R2-1T	Speed Limit 30	30x36"	"0.080"	7.5					N.B.		
5	"L" 5+10	26'	R8-1T	No Parking on Pavement	24x30"	"0.080"	5.0					S.B.		
6	"L" 5+10	26'	R8-1A	Or Within 8 Feet	24x12"	"0.080"	2.0					S.B.	Mount Below 5	
7	"L" 7+42	35'	R1-1L	Stop	30x30"	"0.080"	6.25					W.B.		
8	"L" 10+94	20'	R2-1T	Speed Limit 35	30x36"	"0.080"	7.5					S.B.		
9	"L" 12+21	22'	W1-4RT	Reverse Curve Rt.	36x36"	"0.080"	9.0					N.B.		
10	"L" 12+21	22'	W13-1T	25 MPH	24x24"	"0.080"	4.0					N.B.	Mount Below 9	
11	"O" 23+83	32'	R1-1L	Stop	30x30"	"0.080"	6.25					N.B.		
12	"O" 27+50	20'	R1-1L	Stop	30x30"	"0.080"	6.25					W.B.		
13	"O" 31+70	20'	R2-1T	Speed Limit 35	36x30"	"0.080"	7.5					S.B.		
14	"O" 56+85	20'	R8-1T	No Parking On Pavement	24x30"	"0.080"	5.0					S.B.		
15	"O" 56+85	20'	R8-1A	Or Within 8 Feet	24x12"	"0.080"	2.0					S.B.	Mount Below 14	
16	"O" 68+18	22'	R2-1T	Speed Limit 35	30x36"	"0.080"	7.5					N.B.		
17	"O" 69+68	20'	R2-1T	Speed Limit 35	30x36"	"0.080"	7.5					S.B.		
18	"L" 86+65	22'	W1-3LT	Curve Left	36x36"	"0.080"	9.0					S.B.		
19	"O" 93+60	22'	W1-3RT	Curve Right	36x36"	"0.080"	9.0					N.B.		
20	"O" 105+05	42'	R1-1L	Stop	30x30"	"0.080"	6.25					E.B.		
21	"O" 108+30	42'	R1-1L	Stop	30x30"	"0.080"	6.25					E.B.		
22	"L" 117+42	22'	W1-3RT	Curve Right	36x36"	"0.080"	9.0					S.B.		
23	"O" 119+80	50'	R1-1L	Stop	30x30"	"0.080"	6.25					E.B.		
24	"O" 127+75	22'	W1-3LT	Curve Left	36x36"	"0.080"	9.0					S.B.		
25	"O" 127+95	22'	W1-3LT	Curve Left	36x36"	"0.080"	9.0					N.B.		
26	"O" 128+80	22'	W8-6	Truck Crossing	36x36"	"0.080"	9.0					S.B.		
27	"O" 130+00	22'	R8-1T	No Parking On Pavement	24x30"	"0.080"	5.0					S.B.		
28	"O" 130+00	22'	R8-1A	Or Within 8 Feet	24x12"	"0.080"	2.0					S.B.	Mount Below 27	
29	"O" 111+30	22'	W1-3RT	Curve Right	36x36"	"0.080"	9.0					N.B.		

Notes:
 1. All signs dismantled shall be delivered to the D.O.T. maintenance yard as directed by the project engineer.
 2. All signs shall be mounted on existing posts with new hardware (nuts, bolts, rivets etc.)

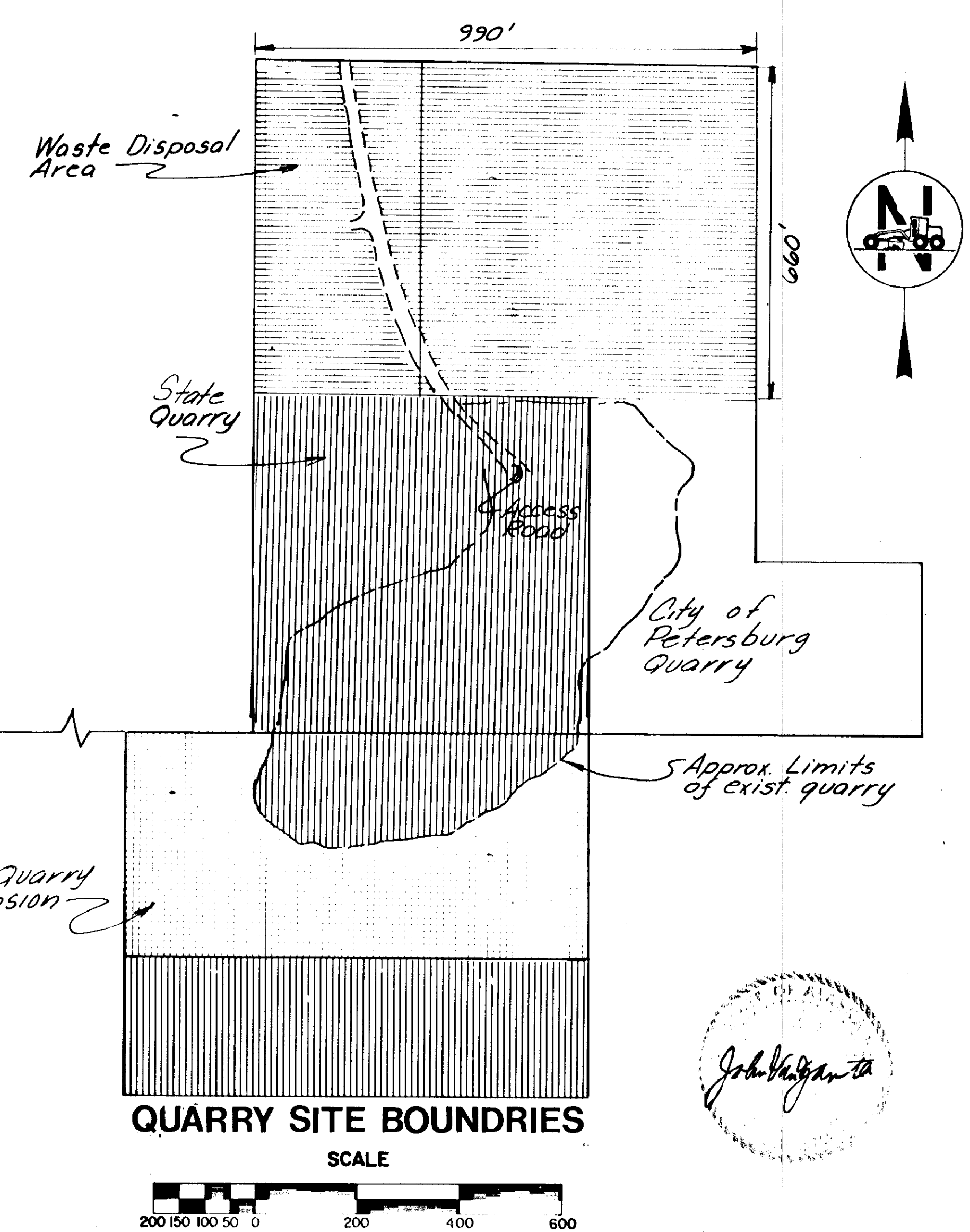
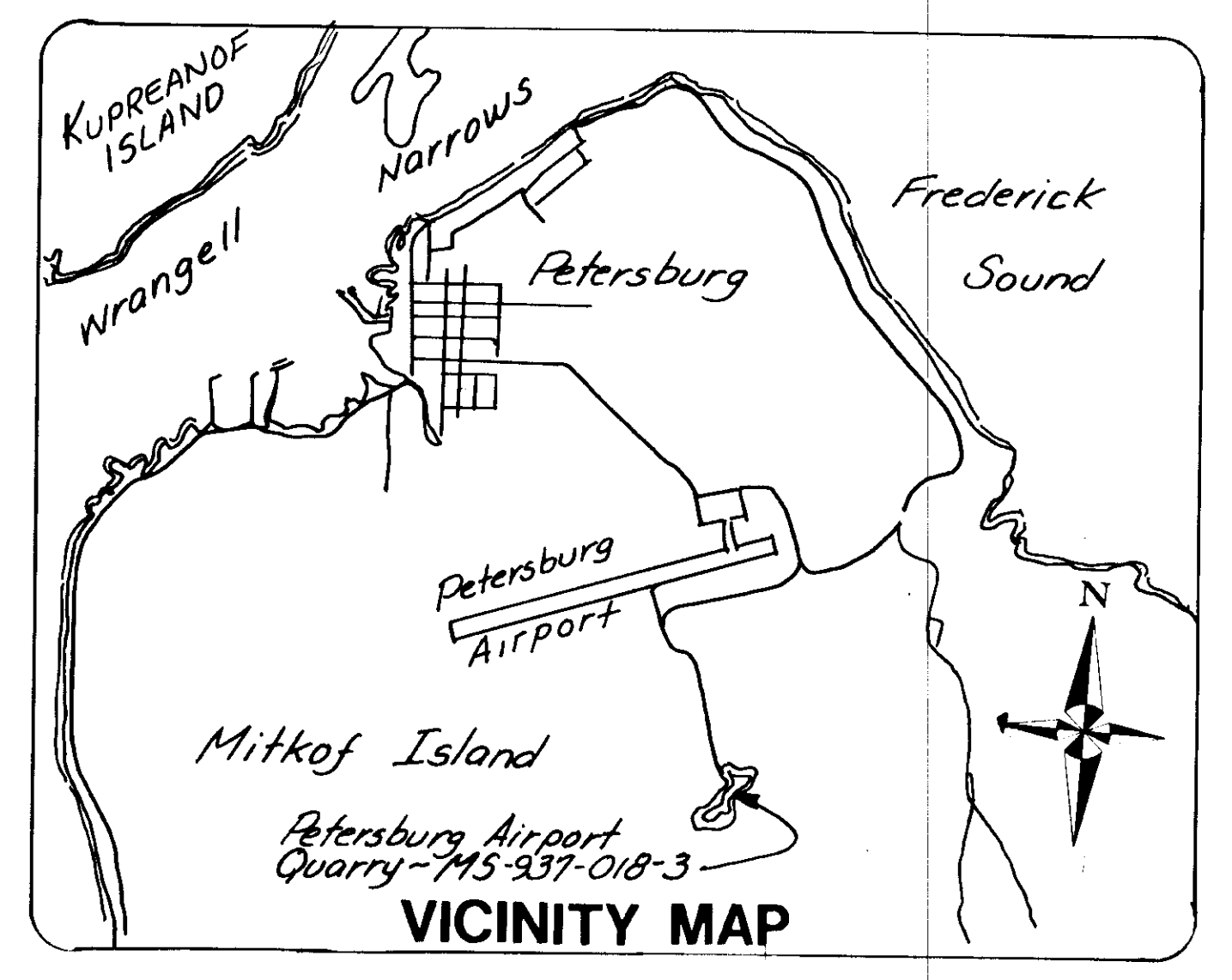
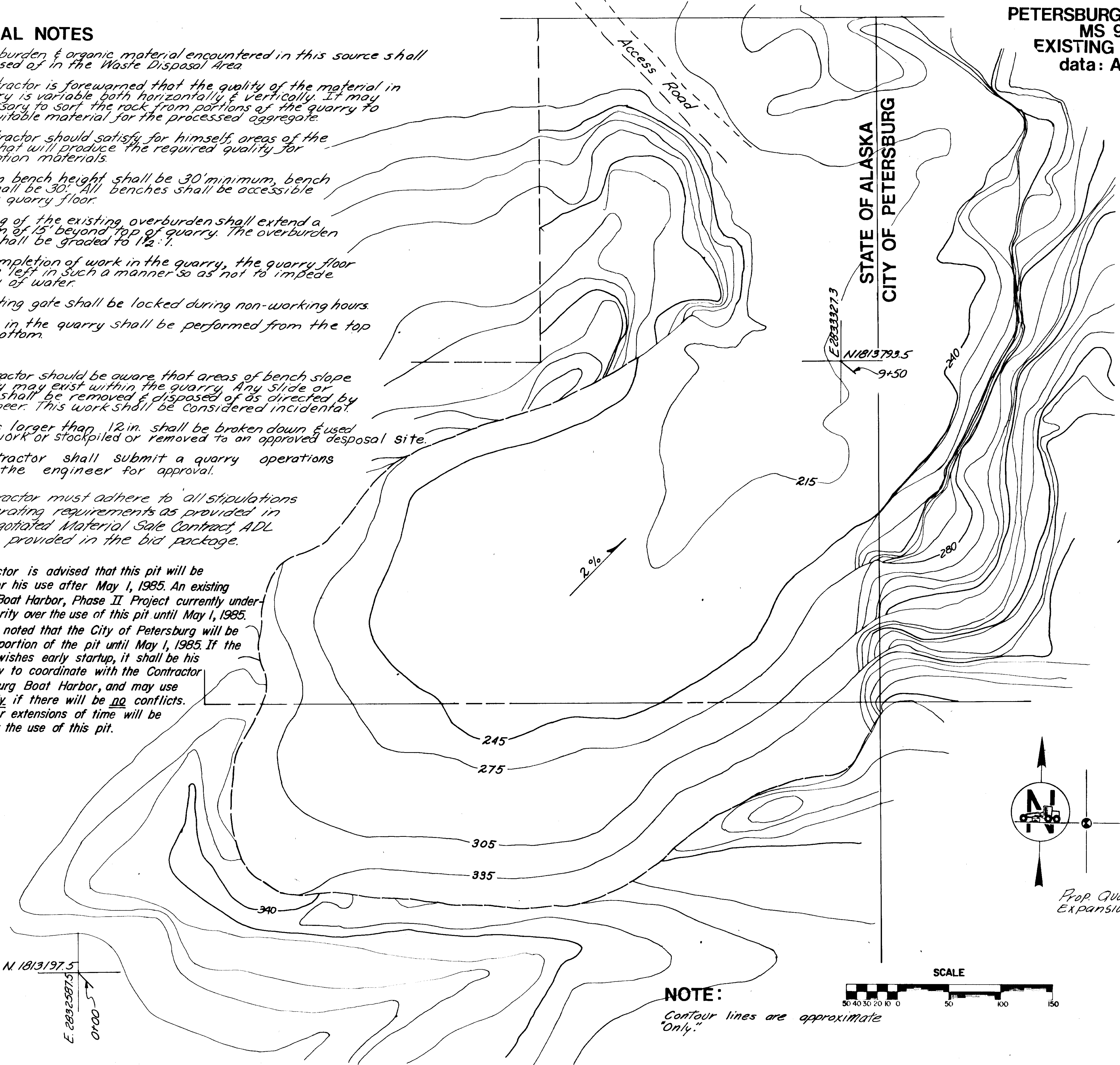
BY	DATE	REVISIONS
PB	10/19/84	Revised Items 113(1), 301(1) + deleted 305(1), added 304(1). Added note at top of page
SK	3/24/84	- As-Built -

PETERSBURG AIRPORT QUARRY MS 937-018-3 EXISTING CONTOUR MAP data: August 1981

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-0937(18)	1984	4	13

GENERAL NOTES

- All overburden & organic material encountered in this source shall be disposed of in the Waste Disposal Area.
- The contractor is forewarned that the quality of the material in the quarry is variable both horizontally & vertically. It may be necessary to sort the rock from portions of the quarry to obtain suitable material for the processed aggregate.
- The contractor should satisfy for himself, areas of the quarry that will produce the required quality for Specification materials.
- Maximum bench height shall be 30' minimum, bench width shall be 30'. All benches shall be accessible from the quarry floor.
- Stripping of the existing overburden shall extend a minimum of 15' beyond top of quarry. The overburden slopes shall be graded to 1 1/2:1.
- Upon completion of work in the quarry, the quarry floor shall be left in such a manner so as not to impede the flow of water.
- The existing gate shall be locked during non-working hours.
- All work in the quarry shall be performed from the top to the bottom.
- The contractor should be aware that areas of bench slope instability may exist within the quarry. Any slide or slippouts shall be removed & disposed of as directed by the engineer. This work shall be considered incidental.
- All rocks larger than 12in. shall be broken down & used in the work or stockpiled or removed to an approved desposal site.
- The Contractor shall submit a quarry operations plan to the engineer for approval.
- The contractor must adhere to all stipulations and operating requirements as provided in the Negotiated Material Sale Contract ADL 103523, provided in the bid package.
- The Contractor is advised that this pit will be available for his use after May 1, 1985. An existing Petersburg Boat Harbor, Phase II Project currently under-way has priority over the use of this pit until May 1, 1985. It should be noted that the City of Petersburg will be using their portion of the pit until May 1, 1985. If the Contractor wishes early startup, it shall be his responsibility to coordinate with the Contractor for Petersburg Boat Harbor, and may use this pit only if there will be no conflicts. No claims or extensions of time will be allowed over the use of this pit.

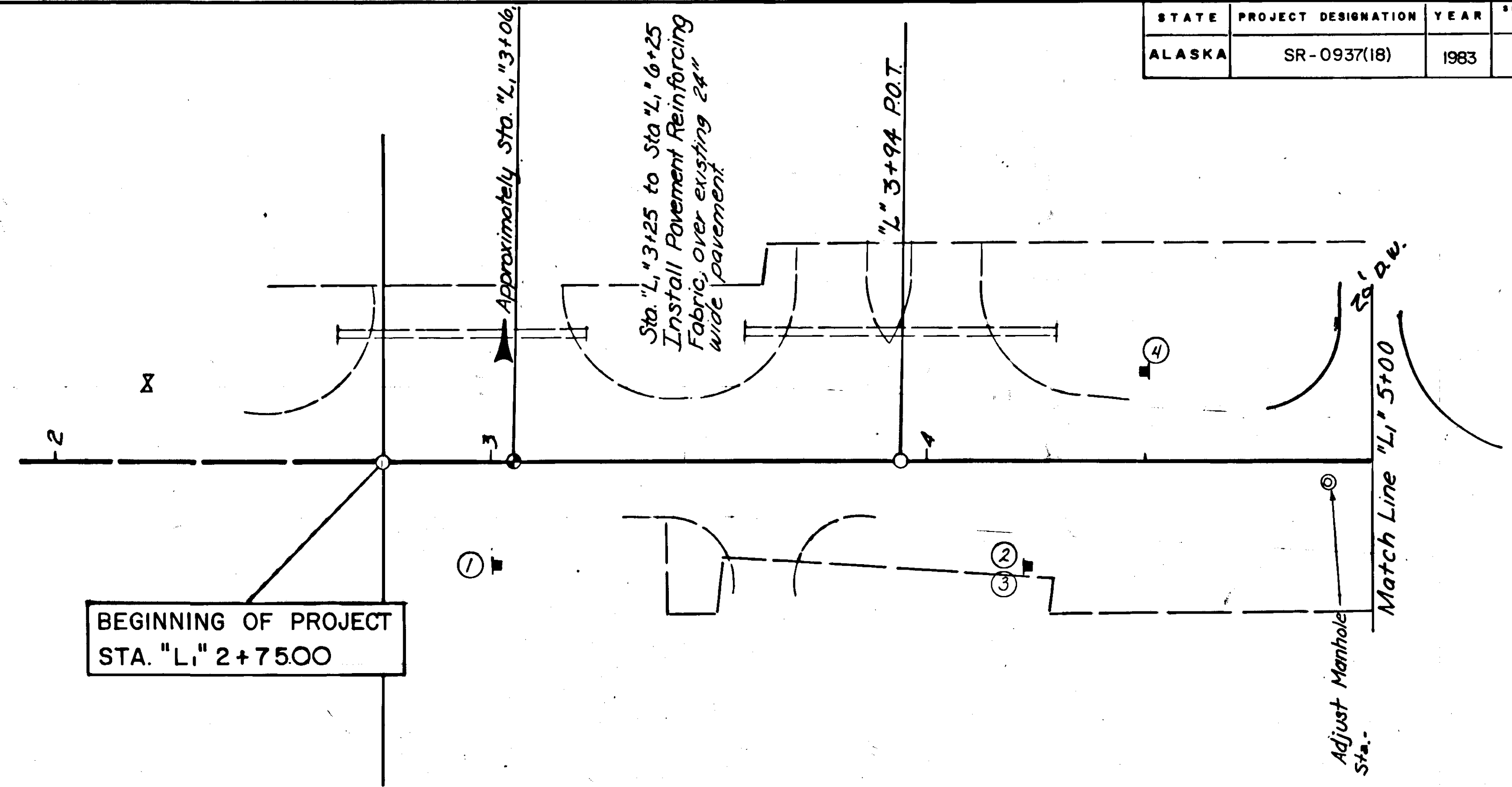
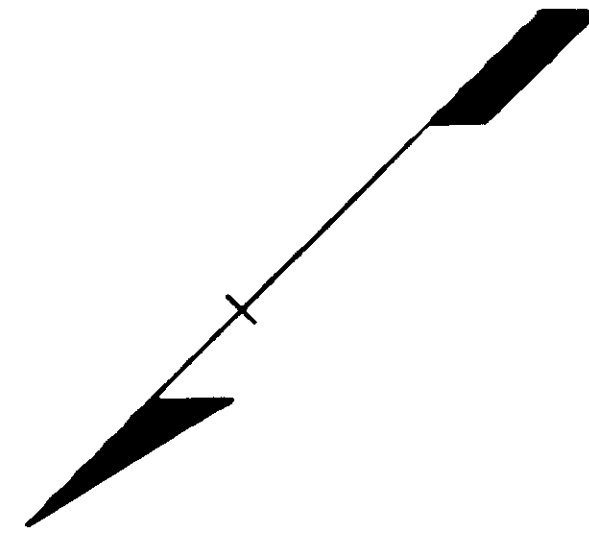


NOTE:
Contour lines are approximate "only."

John V. ...

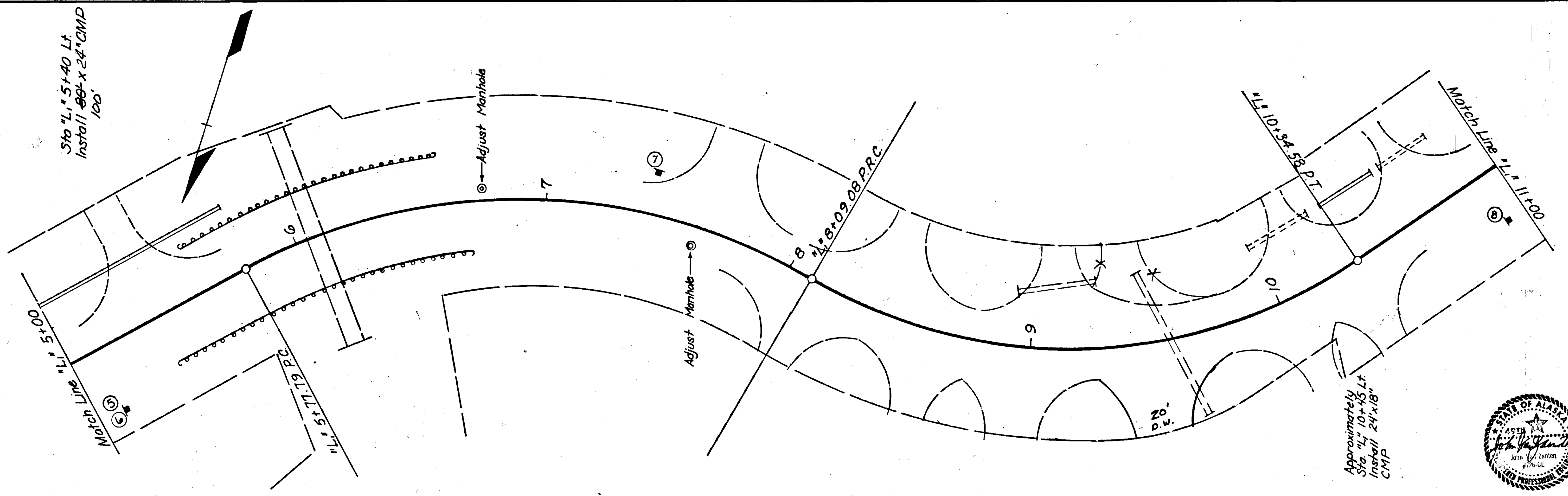
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-0937(18)	1983	5	13

LEVEL DATA:
 Vertical Control for the sewer lateral
 Invert Elevations will be based on
 the following Bench Mark.
 "Bench Mark 10 (1968) is a
 standard disk stamped NO.
 10, 1968; set in east curb
 of the main street about
 1/2 foot above street level.
 It is 12' West of main
 entrance to Petersburg
 Bank and 12' east of a
 yellow painted fire plug."
 U.S.C. & G.S. elev. 24.12.



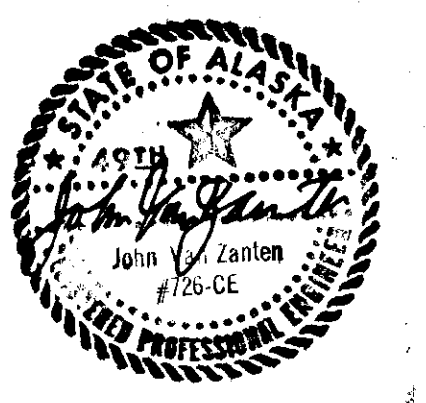
BEGINNING OF PROJECT
 STA. "L" 2+7500

ADJUST MONUMENT CASE
 (SEE STANDARD DRAWING M-16.00,
 FOR DETAILS.)

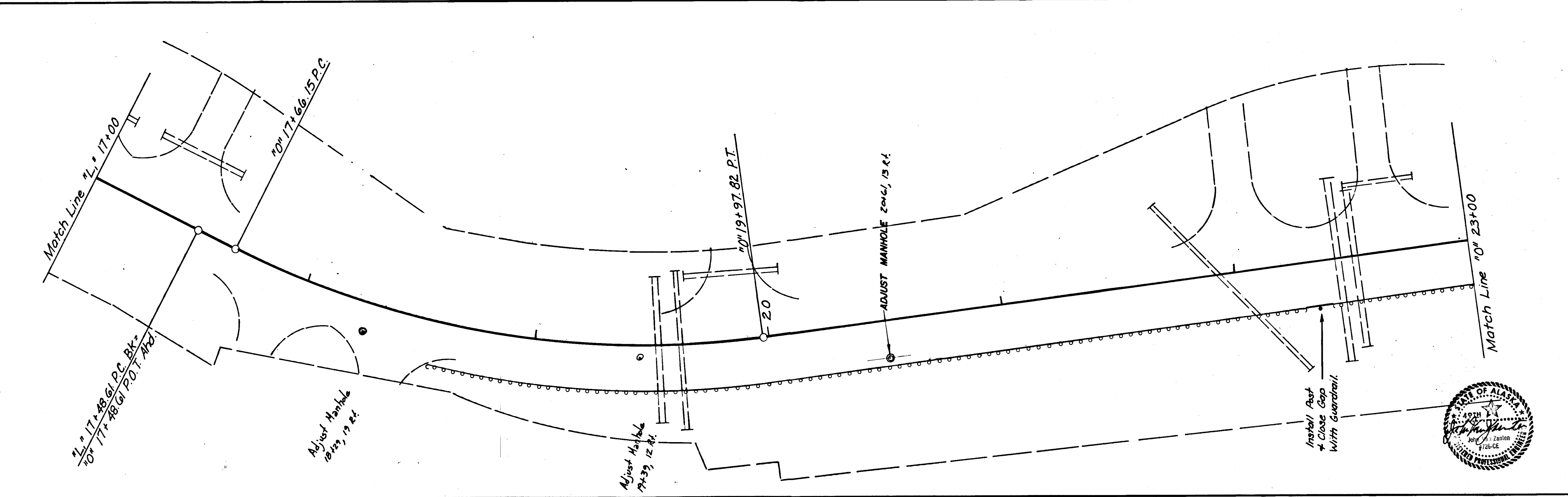
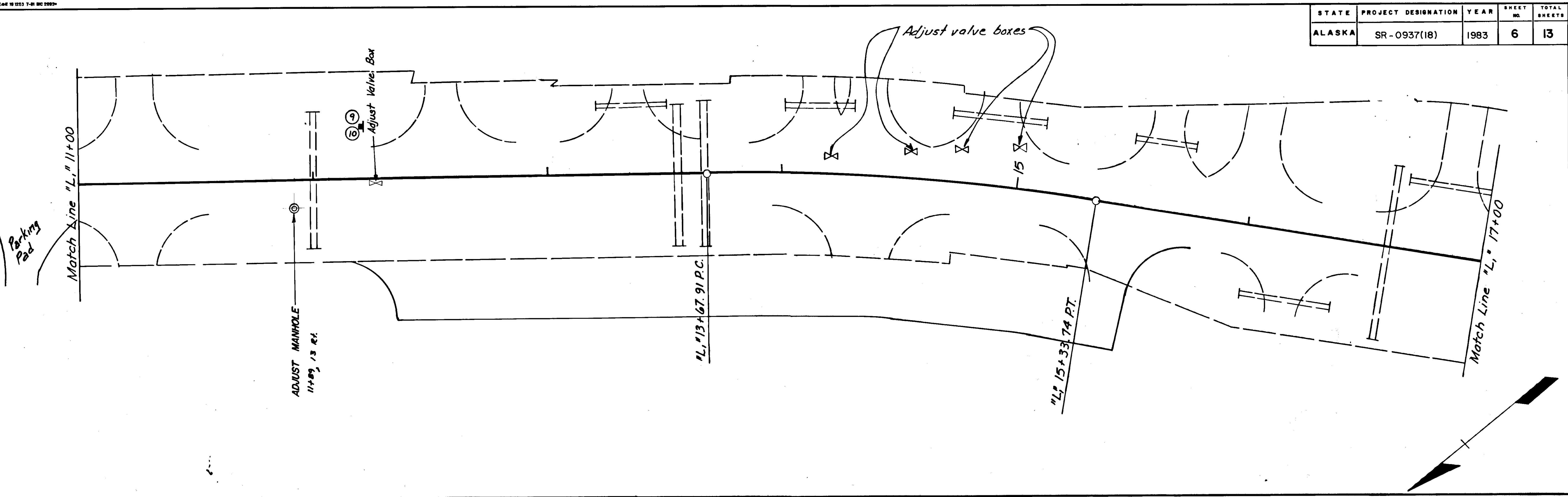


Sta. "L" 5+40 Lt.
 Install 24" x 24" CMP
 100'

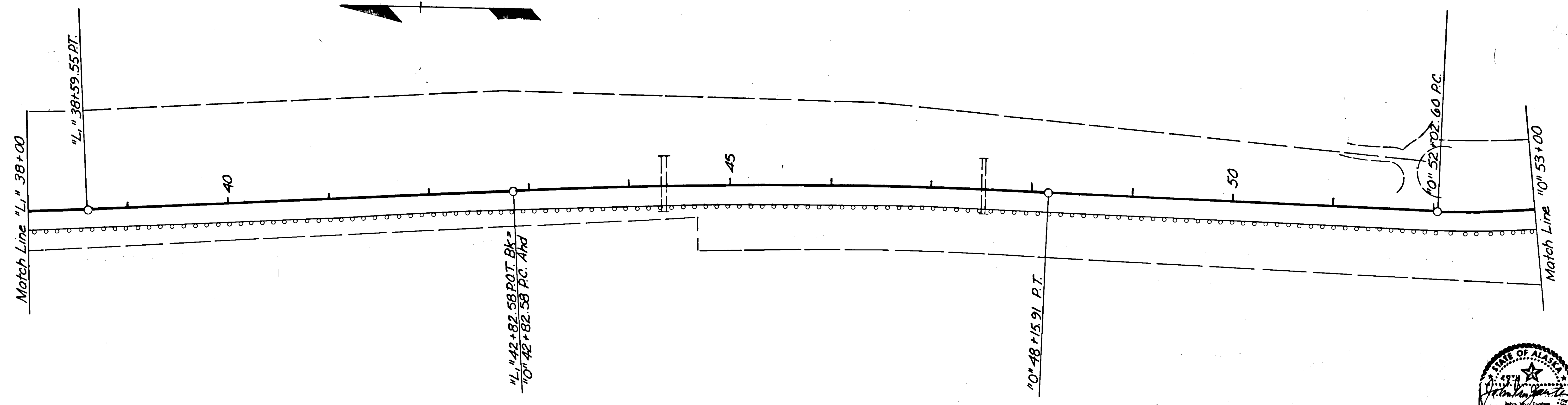
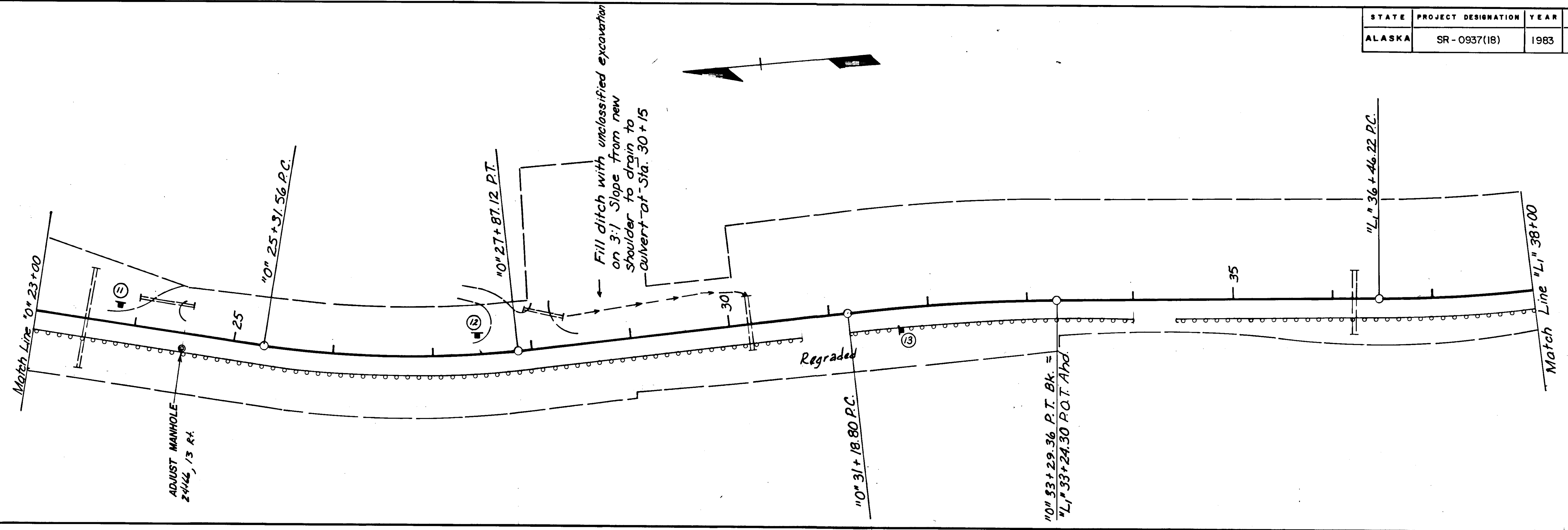
Approximately
 Sta. "L" 10+45 Lt.
 Install 24" x 18"
 CMP



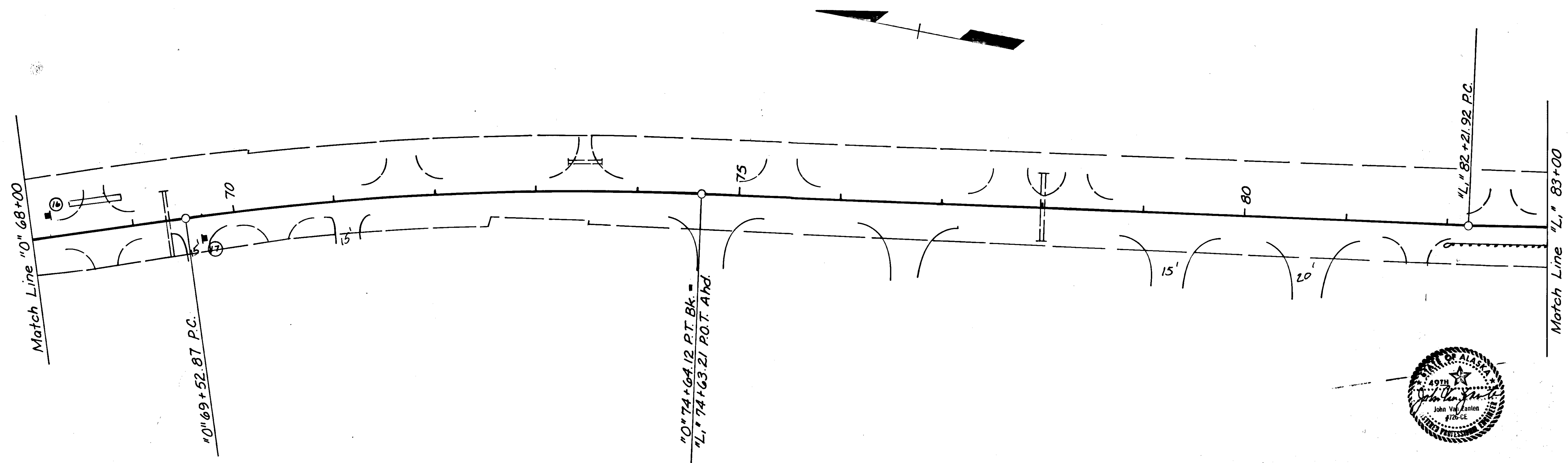
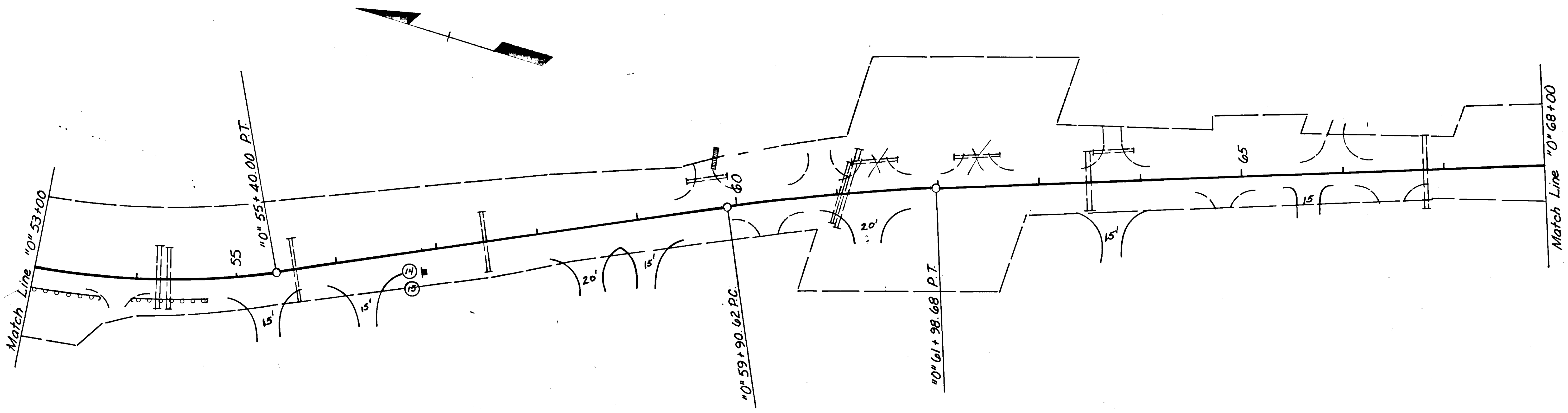
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-0937(18)	1983	6	13



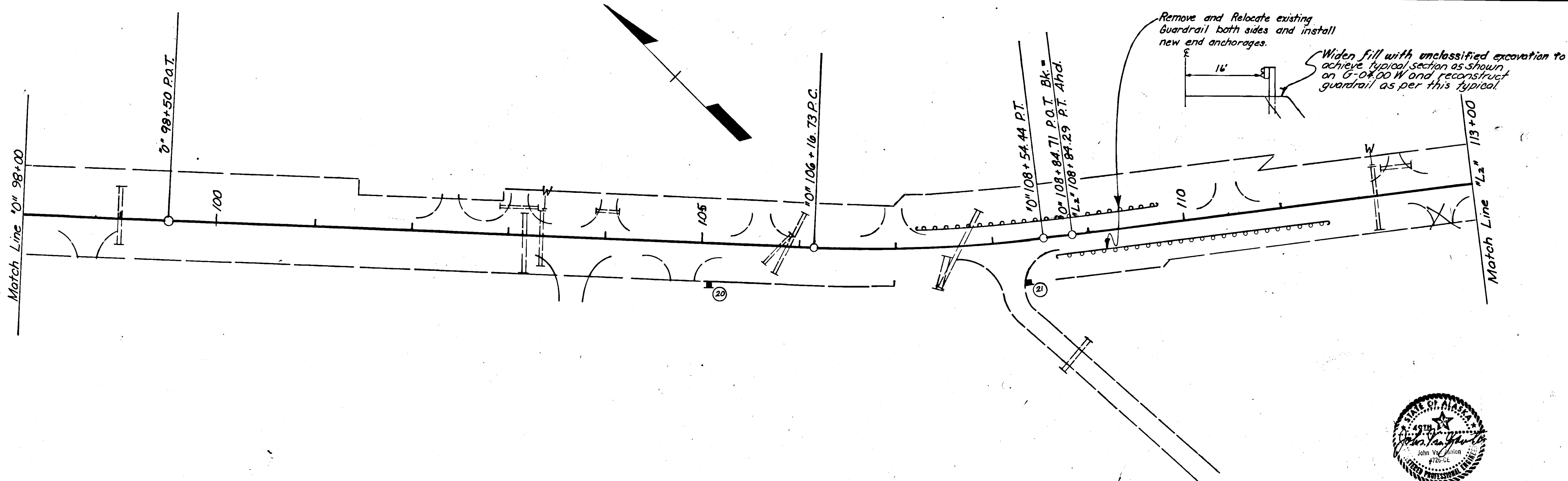
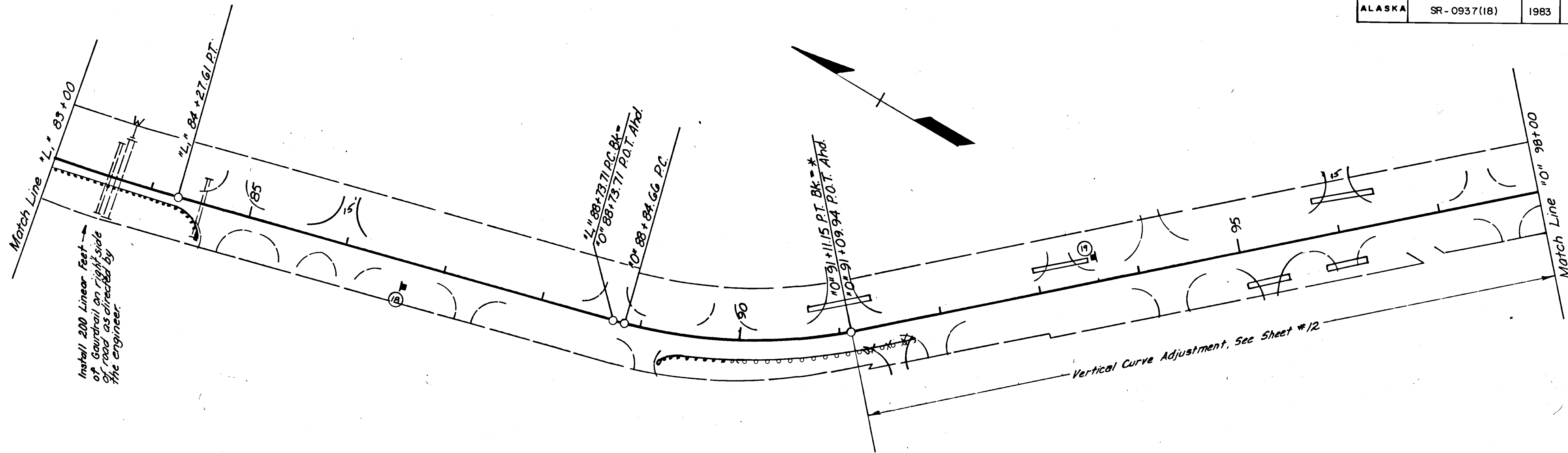
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR - 0937(18)	1983	7	13



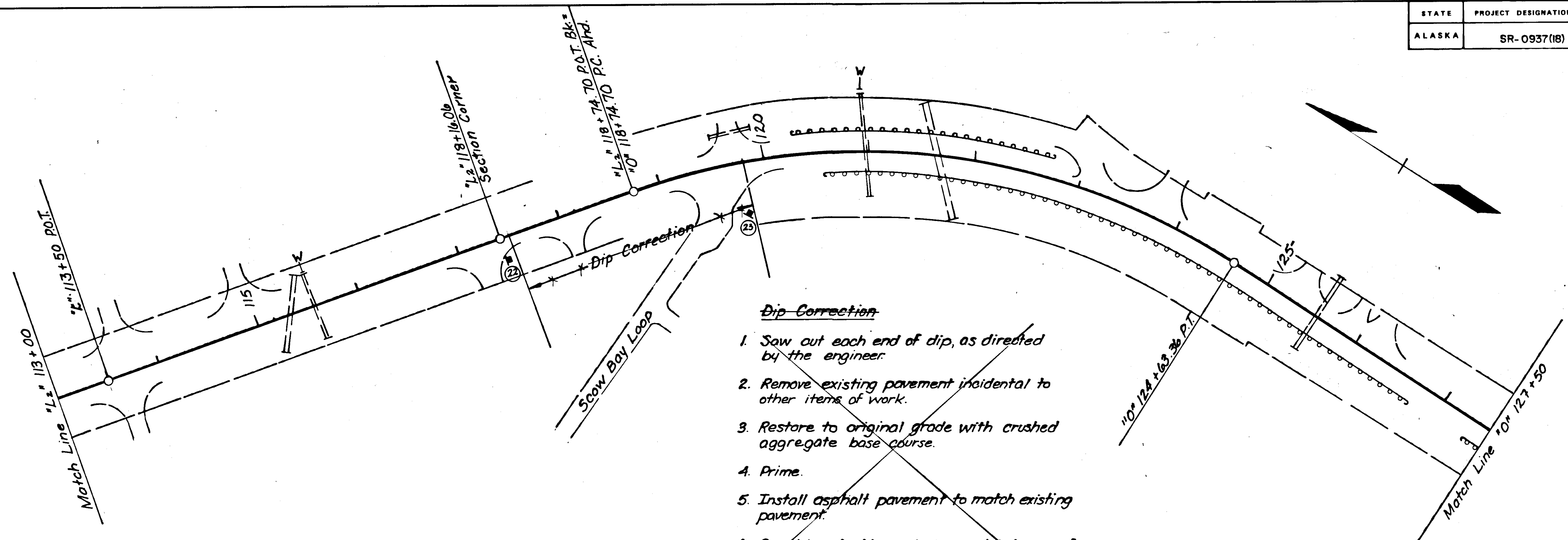
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-0937(18)	1983	8	13



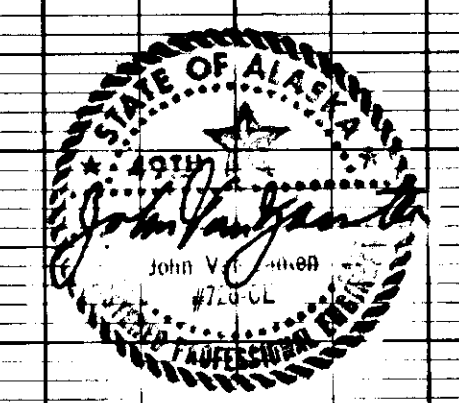
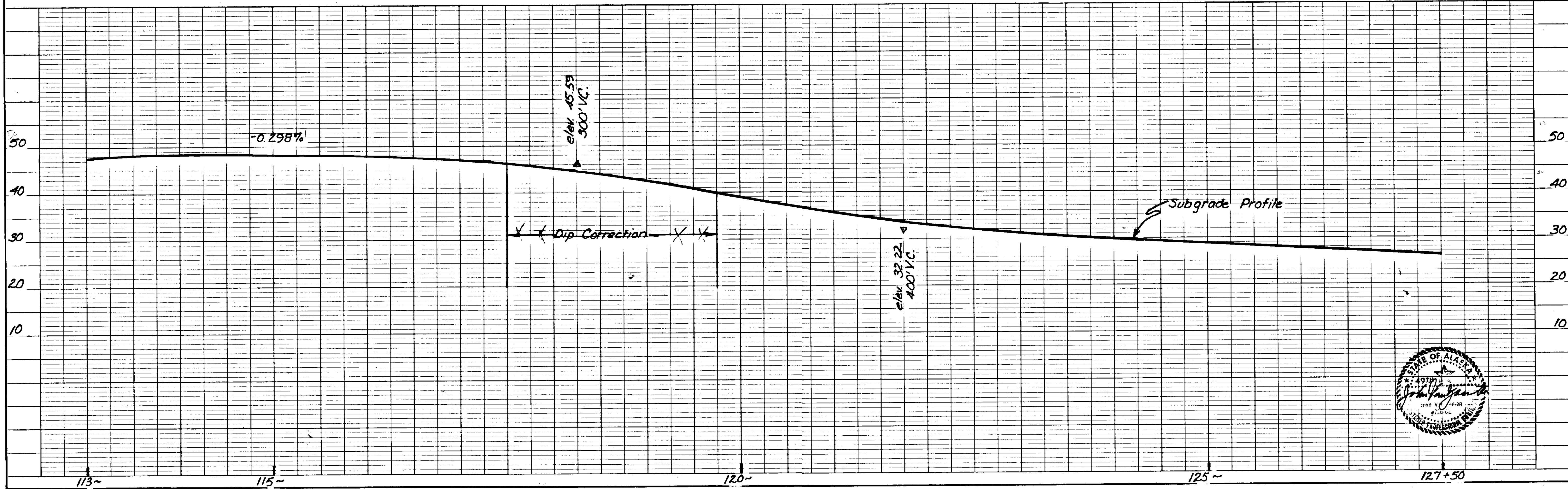
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-0937(18)	1983	9	13



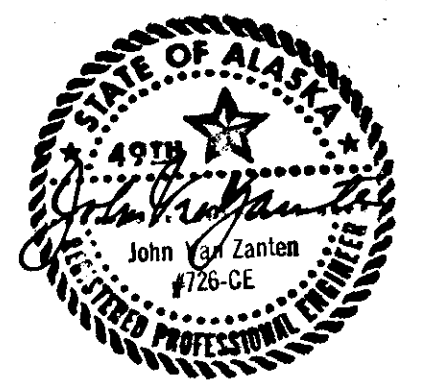
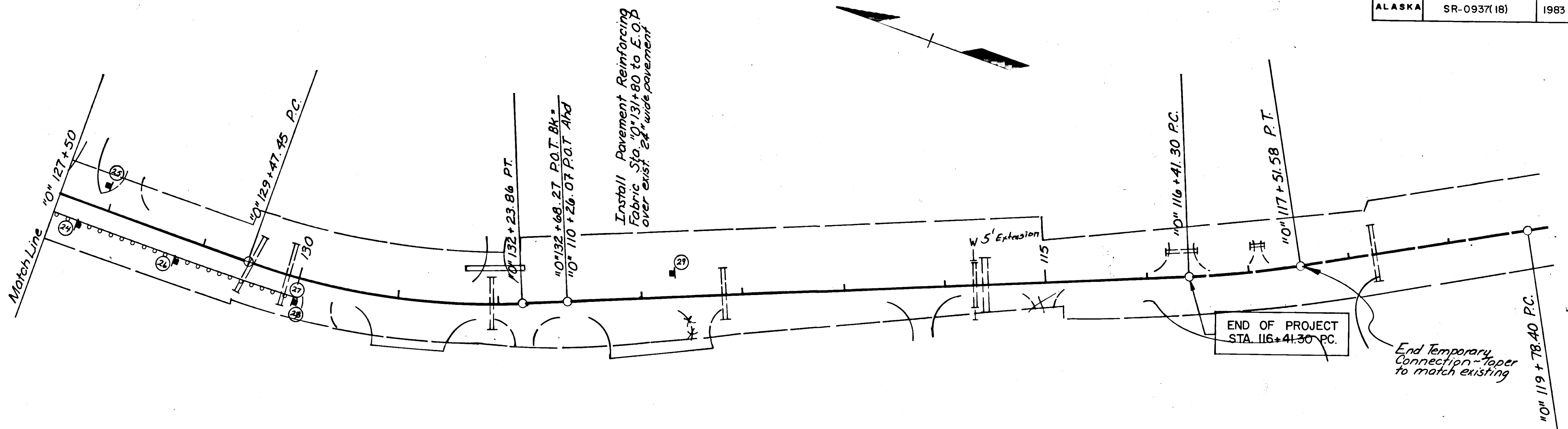
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-0937(18)	1983	10	13



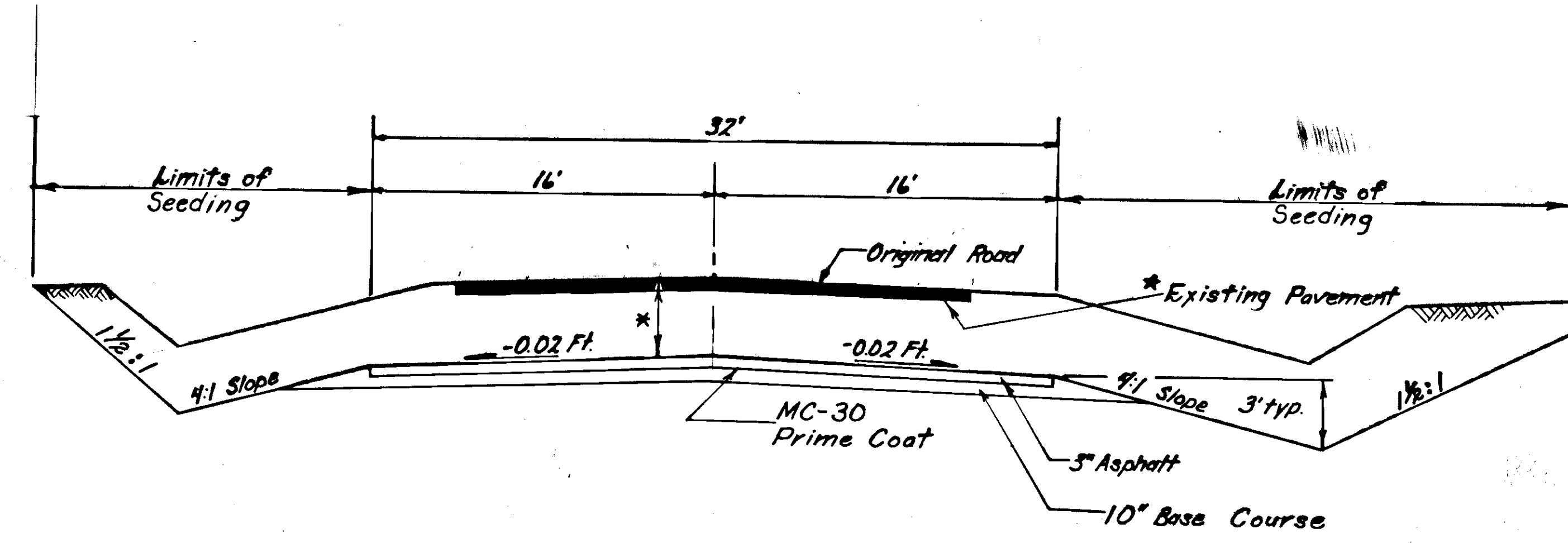
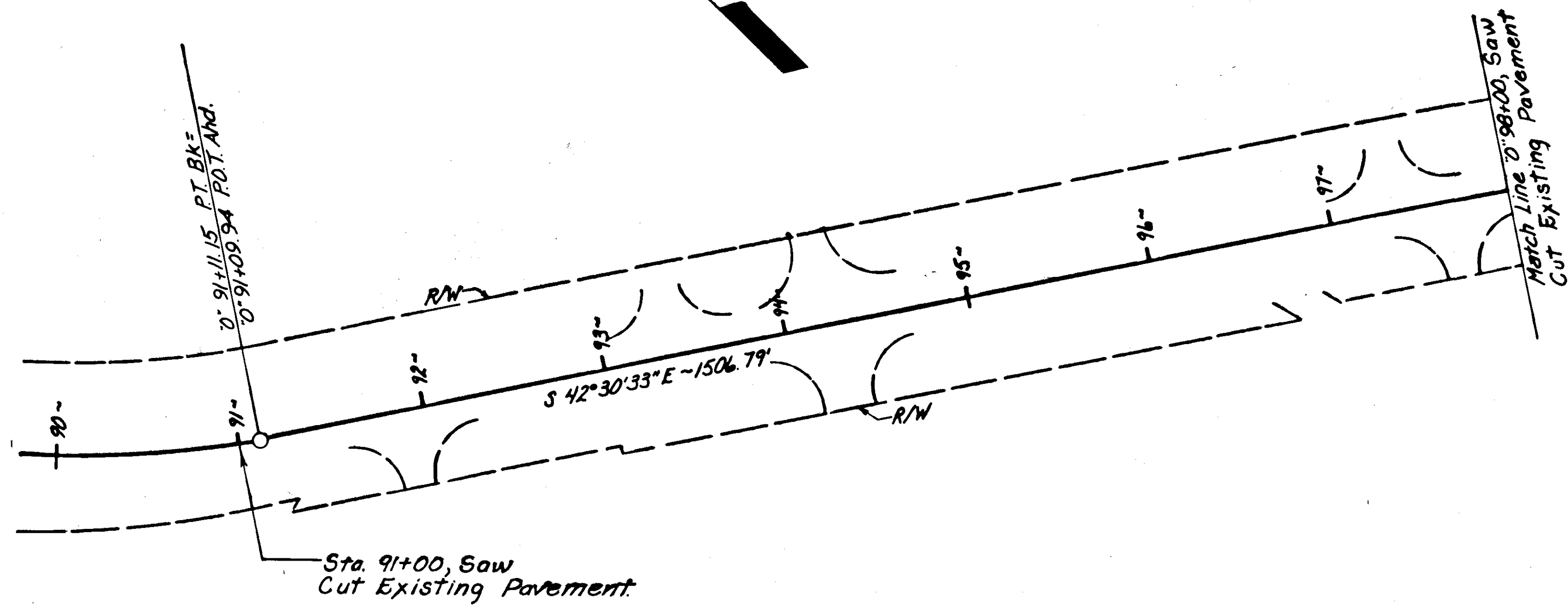
- Dip Correction
1. Saw out each end of dip, as directed by the engineer.
 2. Remove existing pavement incidental to other items of work.
 3. Restore to original grade with crushed aggregate base course.
 4. Prime.
 5. Install asphalt pavement to match existing pavement.
 6. Complete shoulder widening and balance of work as shown in the typical section.



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-0937(18)	1983	11	13



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-0937(18)	1984	12	13

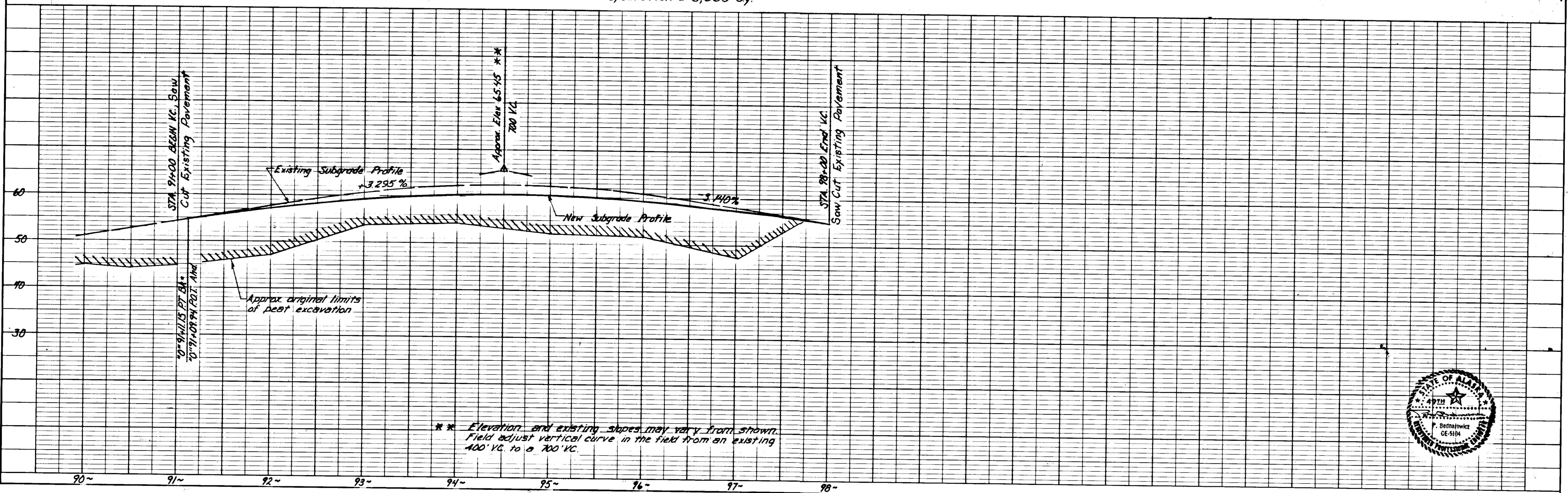


TYPICAL SECTION

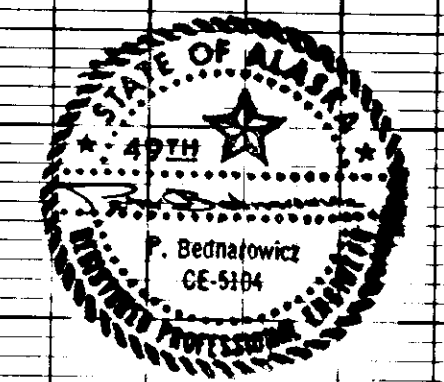
Sta. 91+00 to Sta. 98+00

- * Depth Varies, See Profile Grade
- * Pavement removal shall be paid for under unclassified excavation.

Estimated unclassified excavation = 3,000 c.y.

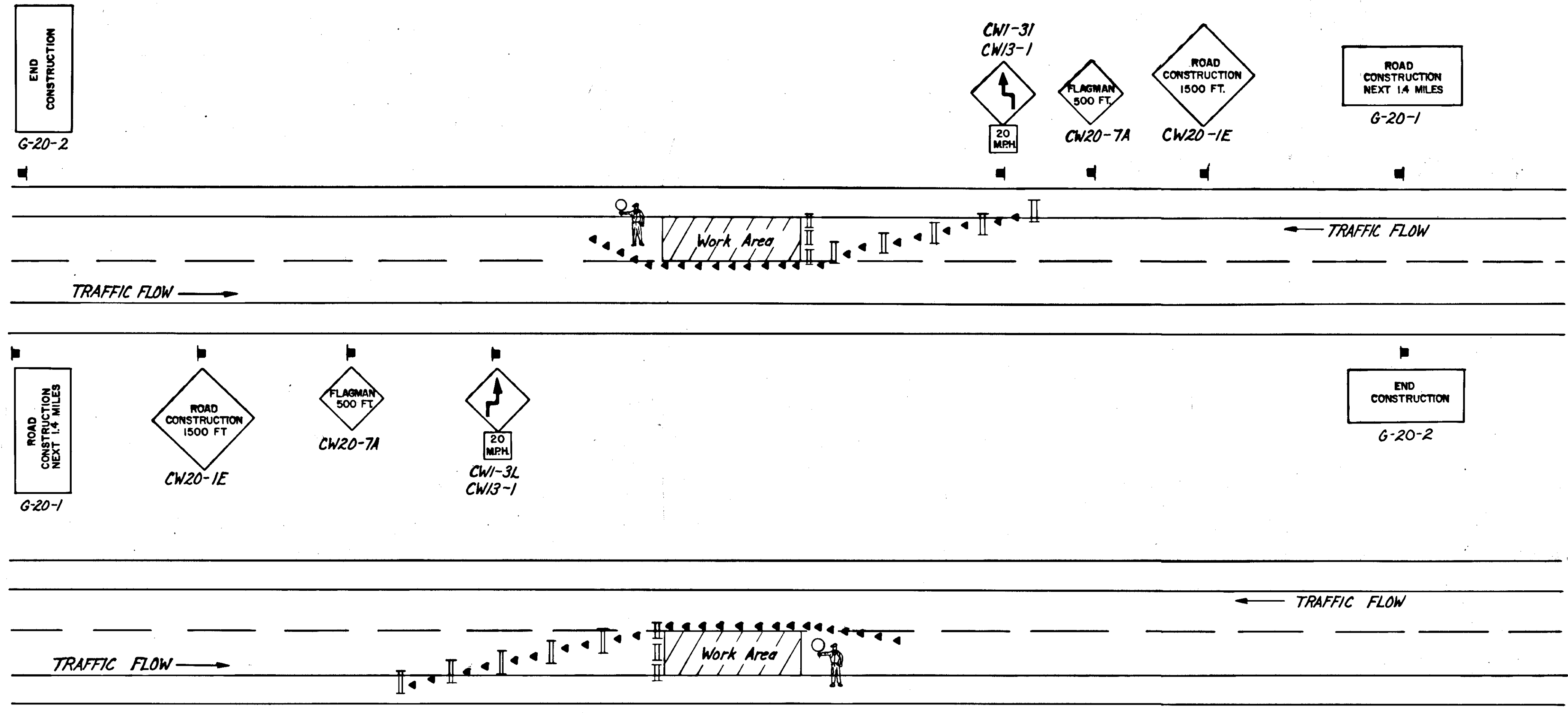


** Elevation and existing slopes may vary from shown. Field adjust vertical curve in the field from an existing 400' VC. to a 700' VC.



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SR-0937(18)	1983	13	13

TRAFFIC CONTROL PLAN



NOTES:

1. A flagperson shall be required to allow construction vehicles in & out of traffic & to direct all one-way traffic operations.
2. Flashing warning lights shall be utilized during dusk to dawn hours to delineate areas where work is in progress.
3. No shoulder drop-offs greater than 1/2" shall be allowed during non-working hours.
4. The contractor shall designate an employee who shall be responsible for installing & maintaining all construction signing & traffic control devices.
5. The contractor shall schedule his work so as to provide for unimpeded two-way traffic during non-working hours. Lane closures or detours shall not be allowed during non-working hours.

