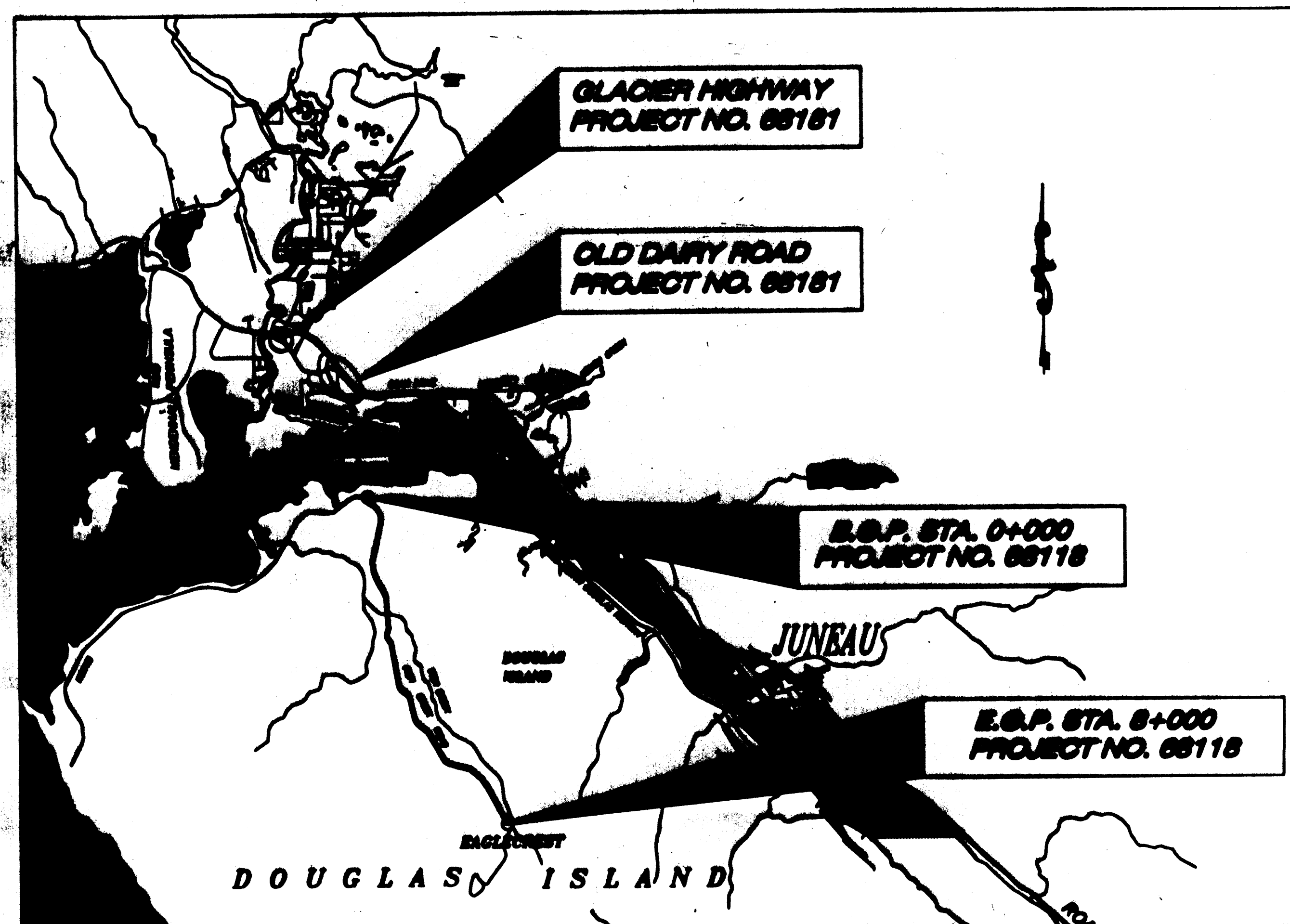
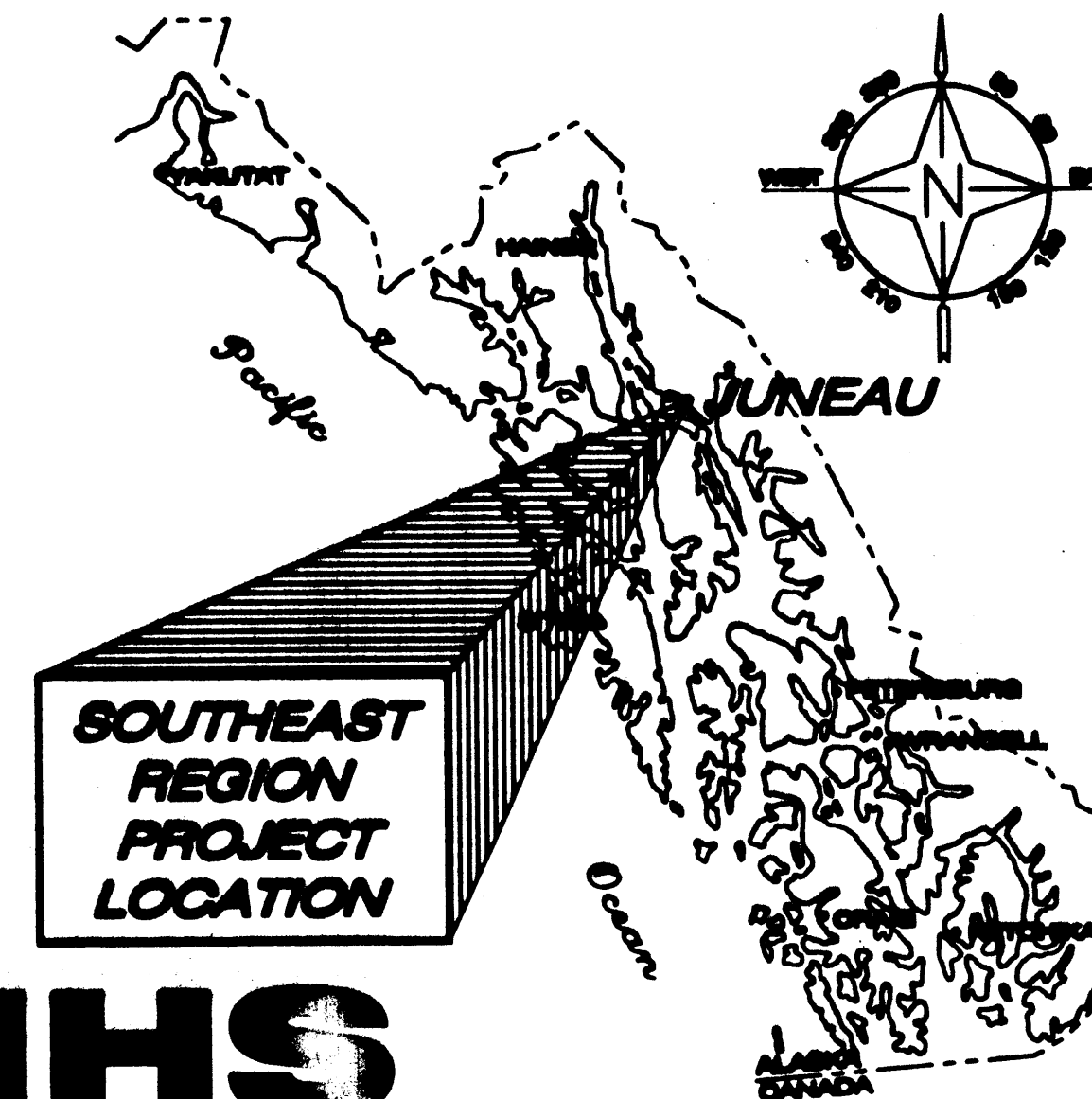


**Department of Transportation
and Public Facilities
Statewide Design and Engineering Services Division**

JUNEAU, ALASKA

JNU-OLD DAIRY ROAD/ GLACIER HIGHWAY NON-NHS PAVEMENT RESTORATION STP-0008(350)-68181

**JNU-FISH CREEK ROAD
OVERLAY
STP-0953(1)~68118**



AS-BUILT PLANS

CONTRACTOR: SECON

PROJ. ENGINEER: THAD HOPPER

BEGIN DATE: JULY 30, 2001

END DATE: JULY 7, 2003

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

Proj. Engr Thad Hepper Date 7-30-03

[illegible]

Estimate of Quantities						
PAY ITEM	UNIT	PROJECT NO. 68181	PROJECT NO. 68118	PROJECT NO. 68265	TOTAL QTY.	
203 (12) SHOULDER GRADING, C.O. 6	LUMP SUM		ALL REQ'D		ALL REQ'D	
203 (11) SHOULDER RECONSTRUCTION	LUMP SUM	ALL REQ'D			ALL REQ'D	
203 (11) EXTRA GRADE PREPARATION, C.O. 5	LUMP SUM		ALL REQ'D		ALL REQ'D	
301 (1) AGGREGATE BASE COURSE	MEGAGRAM	600 114.59			600 114.59	
306 (1) ASPHALT TREATED BASE, C.O. 4	MEGAGRAM		8240.42		8240.42	
308 (1) CRUSHED ASPHALT BASE COURSE, C.O. #6	SQ. METER	10880 13,159.5	20000 -0-		30880 13,159.5	
308 (2) CSS-1 ASPHALT FOR ASPHALT BASE COURSE	MEGAGRAM	140 114.61			140 114.61	
308 (3) PORTLAND CEMENT	MEGAGRAM	40 36.26			40 36.26	
310 (1) STOCKPILED ASPHALT CRUSHING	LUMP SUM	ALL REQ'D			ALL REQ'D	
310 (2) CRUSHED ASPHALT PAVEMENT HAULAGE-FISH CREEK ROAD	CUBIC METER VEHICLE MEASURE		3000 3614.23		3000 3614.23	
310 (1A) Additional Pavement Crushing, C.O. 1	LUMP SUM	ALL REQ'D			ALL REQ'D	
401 (1) ASPHALT CONCRETE, TYPE II, CLASS B	MEGAGRAM	3280 3102.21	9900 8485.03	1800 1816.0	14980 13403.24	
401 (2) ASPHALT CEMENT, GRADE PG 58-22	MEGAGRAM	125 118.26	555 400.57	99 90.24	879 608.83	
306 (2) ASPHALT MATERIAL, PG 64-22 or PG 58-22, C.O. 4	MEGAGRAM		247.23		247.23	
401 (9) PAVEMENT PATCHING	SQ. METER	10 -0-	100 -0-		110 -0-	
306 (2A) ASPHALT MATERIAL, PG 52-28, C.O. 4	MEGAGRAM		105.47		105.47	
402 (1) STE-1 ASPHALT FOR TACK COAT	MEGAGRAM	0 -0-	15 14.48	7 8.21	22 22.69	
603(22) Pave EXISTING CURVEPTS, C.O. 3	LUMP SUM	ALL REQ'D			ALL REQ'D	
604 (8A) ADJUST EXISTING VALVEBOX	EACH	2 4			2 4	
604 (1A) ADJUST EXISTING MANHOLE, C.O. 1	LUMP SUM	ALL REQ'D			ALL REQ'D	
607 (3) CHAIN LINK FENCE	METER	1030 1021.83			1030 1021.83	
615(1) STANDARD SIGN	SQ. METER	23.66 21.57	20.52 15.06		44.18 36.63	
615(1A) DELINATOR, FLEXIBLE	EACH		250 246		250 246	
401(1A) ASPHALT PAUL INCREASE C.O. 2	MEGAGRAM		401.03		401.03	
640 (1) MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D	ALL REQ'D	ALL REQ'D	ALL REQ'D	
404 (3) SAND SEAL C.O. 6	LUMP SUM		ALL REQ'D		ALL REQ'D	
640 (1A) ATE MOBILIZATION, C.O. 4	LUMP SUM		ALL REQ'D		ALL REQ'D	
641 (2) EROSION AND POLLUTION CONTROL	CONT. SUM	ALL REQ'D	ALL REQ'D		ALL REQ'D	
642 (1) CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D	ALL REQ'D		ALL REQ'D	
642 (11) ADJUST EXISTING MONUMENT CASE	EACH	4			4	
643 (1A) ADDITIONAL TRAFFIC CONTROL (ATE), C.O. 4	LUMP SUM		ALL REQ'D		ALL REQ'D	
643 (2) TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D	ALL REQ'D		ALL REQ'D	
643 (2A) ADDITIONAL TRAFFIC CONTROL, C.O. 2	LUMP SUM		ALL REQ'D		ALL REQ'D	
670 (8) RECESSED PAVEMENT MARKERS	EACH	78 90			78 90	
670 (10) METHYL METHACRYLATE PAVEMENT MARKING	LUMP SUM	ALL REQ'D	ALL REQ'D		ALL REQ'D	
670 (13) TEMPORARY STRIPING, C.O. 4	LUMP SUM		ALL REQ'D		ALL REQ'D	

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

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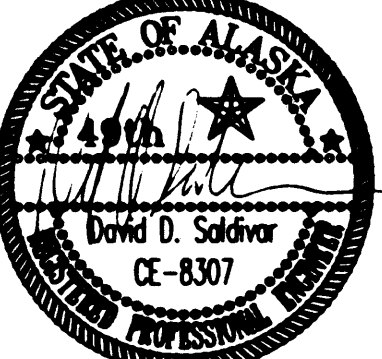
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DESCRIPTION

OLD DAIRY ROAD
PAVEMENT RESTORATION
PROJECT NO. 68181
JNU-FISH CREEK ROAD
OVERLAY
PROJECT NO. 68118

Combined
Estimate of Quantities

DESIGNED BY: D. SALDIVAR



CHECKED BY: D. SALDIVAR

DRAWN BY: T.M./R.S.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION
OLD DAIRY ROAD & GLACIER HWY.
PAVEMENT RESTORATION
PROJECT NO. 68181
JNU-FISH CREEK ROAD
OVERLAY
PROJECT NO. 68118
Combined
Estimate of Quantities

PROJECT DESIGNATION NUMBER

68181/68118

STATE

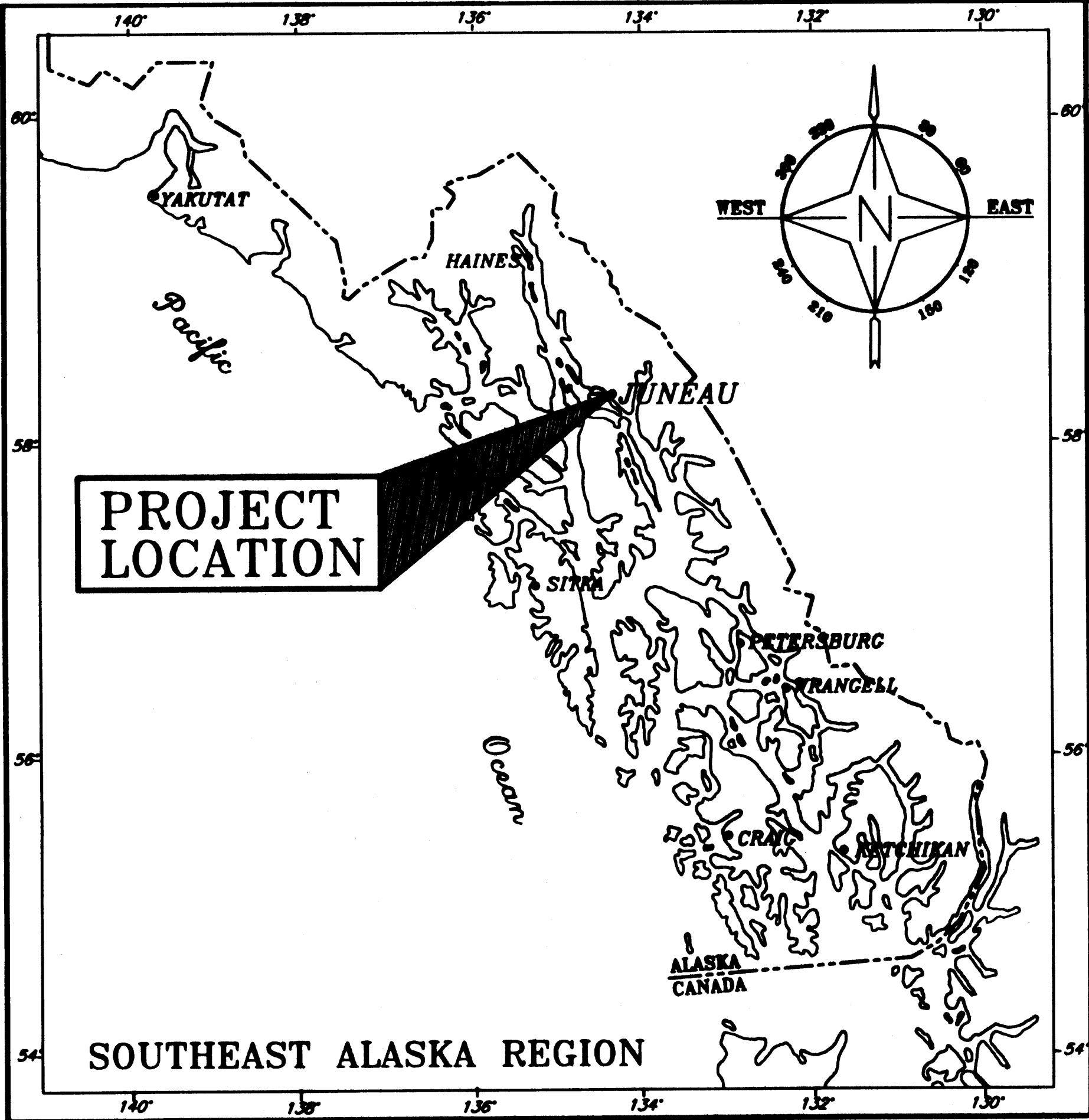
YEAR

ALASKA 2001

SHEET NUMBER

TOTAL SHEETS

2 29



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU, ALASKA

OLD DAIRY ROAD AND
GLACIER HIGHWAY

NON-NHS PAVEMENT RESTORATION

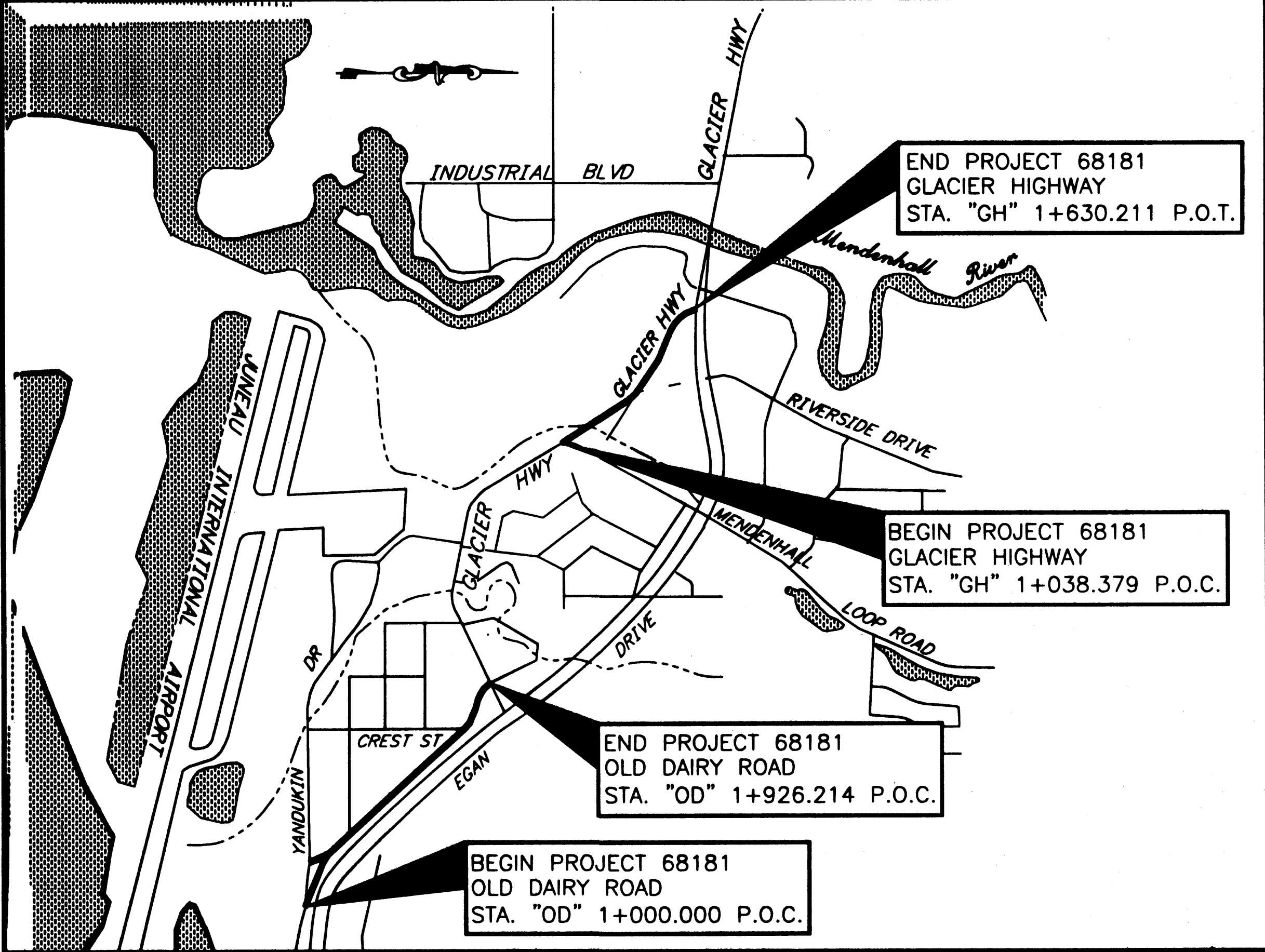
STP-000S(380)
PROJECT NO. 68181

DESIGN DESIGNATION

	OLD GLACIER HWY NORTH	OLD DAIRY ROAD
ADT 1999	3640	4890
ADT 2007	4260	5730
DHV 12% (2007)	500	680
% T	3.0%	3.0%
EAL	100,000	100,000
V	65	65

PROJECT SUMMARY

LENGTH OF PROJECT	1518 m
LENGTH OF GRADING	1302 m
LENGTH OF PAVING	1693 m
WIDTH OF PAVING	VARIES (9.6 m TO 12.0 m)



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
3	TITLE SHEET
4-6	TYPICAL SECTIONS
7	ESTIMATE OF QUANTITIES
8	SIGN SUMMARIES
9-10	TYPICAL DETAILS
11-13	PLAN SHEETS
14-17	SIGNING AND STRIPING PLANS
18-20	TRAFFIC CONTROL PLANS
21	EROSION AND SEDIMENT CONTROL PLAN

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1[M]	C-03.10[M]	C-05.10[M]
E-13.00[M]	F-01.01[M]	S-20.00[M]
S-30.02[M]	T-20.01[M]	T-21.02[M]
T-22.03[M]		

7/20/01

PROJECT NUMBER:	68181	ENGINEER'S SEAL
DATE:	2001	
SHEET	3	
TOTAL SHEETS:		



LEGEND

A

65mm ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS B.

B

STE-1 ASPHALT FOR TACK COAT.

C

EXISTING 100mm ± ASPHALT PAVEMENT.

D

50mm EXISTING BASE COURSE MATERIAL.

E

165mm AGGREGATE BASE COURSE.

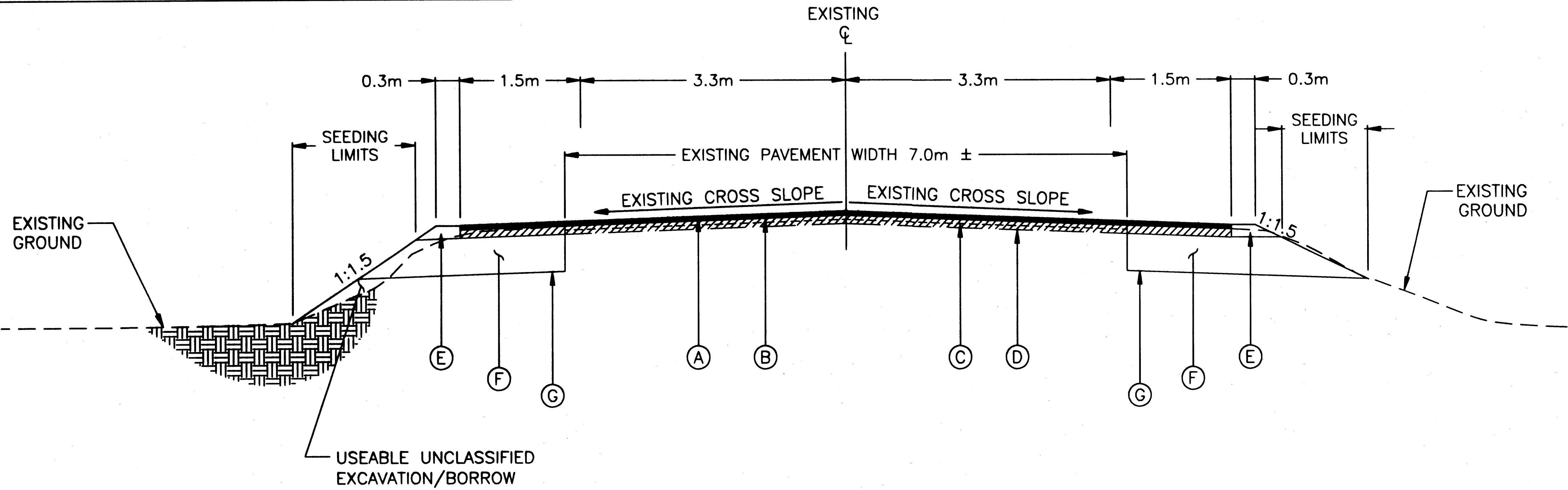
F

450mm SELECTED MATERIAL, TYPE A.

G

LIMITS OF UNCLASSIFIED EXCAVATION.

150mm CRUSHED ASPHALT BASE COURSE.
SEE SECTION 308 OF THE SPECIFICATIONS.



STA. "GH" 1+038 TO STA. "GH" 1+630

NOTE: DO NOT SCALE FROM THIS DRAWING. USE DIMENSIONS.

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ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY

TYPICAL SECTIONS
GLACIER HIGHWAY

7-30-03
DESIGNED BY: CHUCK HAKARI

STATE OF ALASKA
49th
Victor M. Winters
CE-892

CHECKED BY: VICTOR M. WINTERS
DRAWN BY: MICHAEL LIMBAUGH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION
JUNEAU
OLD DAIRY ROAD
AND
GLACIER HIGHWAY

PROJECT DESIGNATION NUMBER
STP - 000S(380)/68181

STATE	YEAR
ALASKA	2001

SHEET NUMBER	TOTAL SHEETS
4	

ADDENDUM NUMBER

ATTACHMENT NUMBER

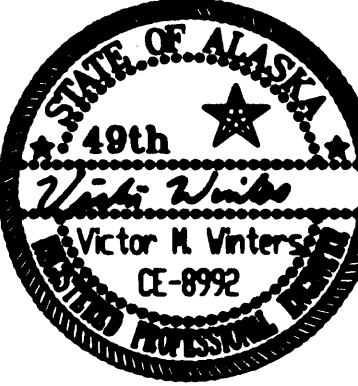
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY
TYPICAL SECTIONS
OLD DAIRY ROAD

7/2 7.90-03

DESIGNED BY: CHUCK HAKARI



CHECKED BY: VICTOR M. WINTERS

DRAWN BY: MICHAEL LIMBAUGH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

JUNEAU
OLD DAIRY ROAD
AND
GLACIER HIGHWAY

PROJECT DESIGNATION NUMBER

STP - 000S(380)/68181

STATE YEAR

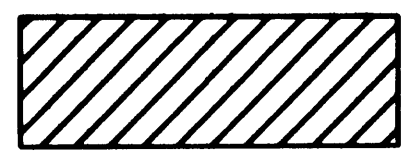
ALASKA 2001

SHEET NUMBER TOTAL SHEETS

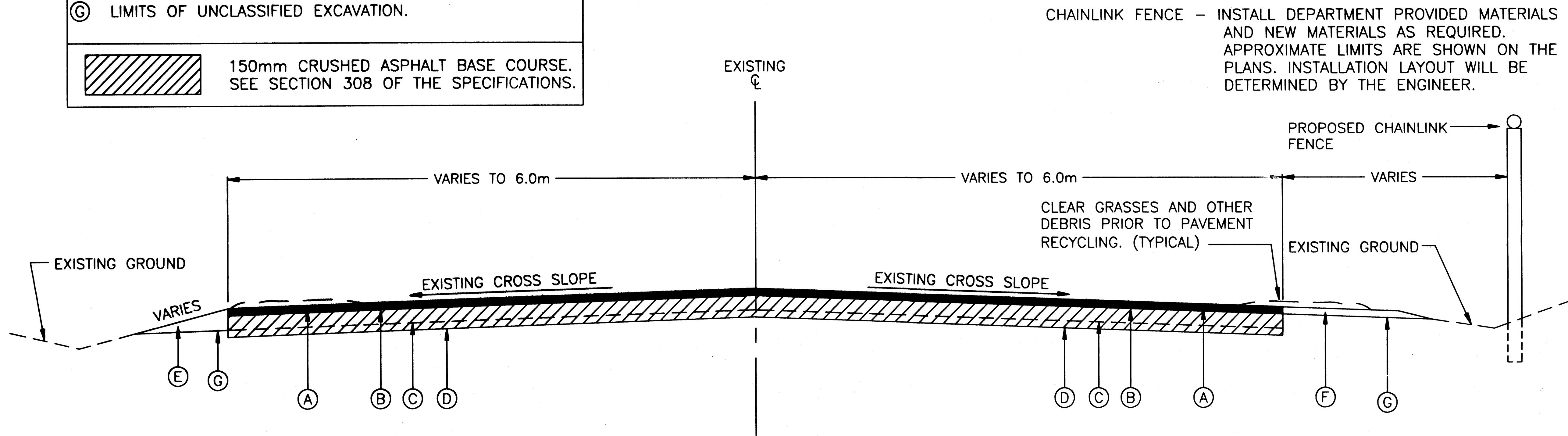
5

LEGEND

- (A) 65mm ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS B.
- (B) STE-1 ASPHALT FOR TACK COAT.
- (C) EXISTING 100mm ± ASPHALT PAVEMENT.
- (D) 50mm EXISTING BASE COURSE MATERIAL.
- (E) 165mm AGGREGATE BASE COURSE.
- (F) 50mm AGGREGATE BASE COURSE.
- (G) LIMITS OF UNCLASSIFIED EXCAVATION.

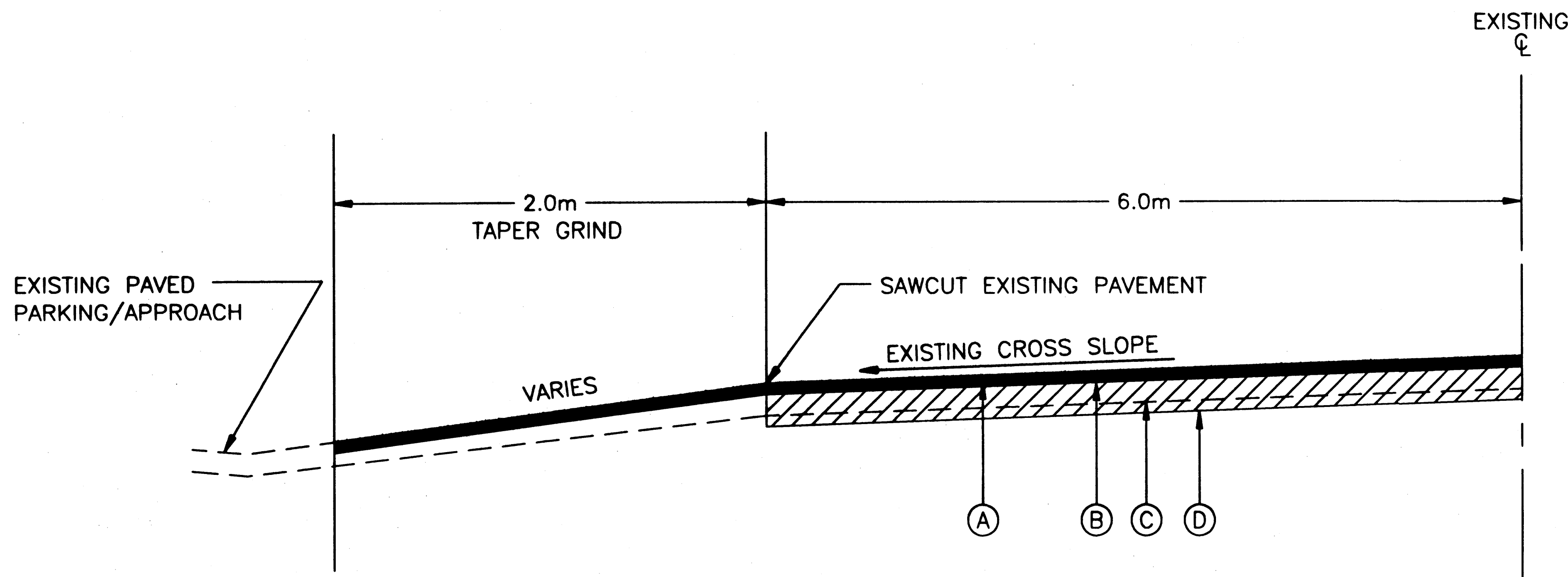


150mm CRUSHED ASPHALT BASE COURSE.
SEE SECTION 308 OF THE SPECIFICATIONS.



STA. "OD" 1+254 LT TO STA. "OD" 1+400 LT ✓
STA. "OD" 1+758 LT TO STA. "OD" 1+820 LT ✓

STA. "OD" 1+254 RT TO STA. "OD" 1+600 RT ✓

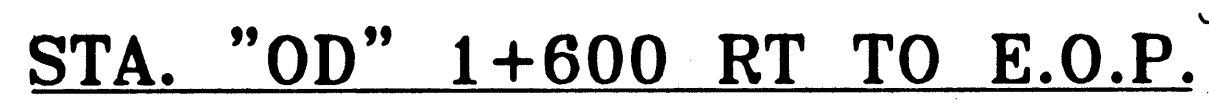
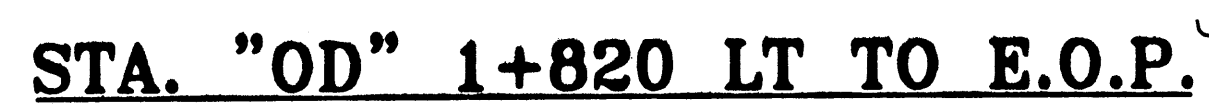


STA. "OD" 1+400 LT TO STA. "OD" 1+758 LT ✓

NOTE: DO NOT SCALE FROM THIS DRAWING. USE DIMENSIONS.

(A)	65mm ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS B.
(B)	STE-1 ASPHALT FOR TACK COAT.
(C)	EXISTING 100mm $\pm$ ASPHALT PAVEMENT.
(D)	50mm EXISTING BASE COURSE MATERIAL.
(E)	150mm AGGREGATE BASE COURSE.
(F)	450mm SELECTED MATERIAL, TYPE A.
(G)	LIMITS OF UNCLASSIFIED EXCAVATION.
(H)	ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS B LEVELING COURSE AS DIRECTED.

150mm CRUSHED ASPHALT BASE COURSE.
SEE SECTION 308 OF THE SPECIFICATIONS.



**STA. "OD" 1+000 TO "OD" 1+254 AND
TURNOFF TO YANDUKIN BY CARWASH**

NOTE: DO NOT SCALE FROM THIS DRAWING. USE DIMENSIONS.

No.	DATE	DESCRIPTION

JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY

TYPICAL SECTIONS
OLD DAIRY ROAD

STATE	YEAR
ALASKA	2001
SHEET NUMBER	TOTAL SHEETS
6	

ESTIMATE OF QUANTITIES

ITEM	PAY ITEM	UNIT	QTY.
203 (11)	SHOULDER RECONSTRUCTION	LUMP SUM	ALL REQ'D
301 (1)	AGGREGATE BASE COURSE	MEGAGRAM	114.59 ~~888~~
			13.15 4.5
308 (1)	CRUSHED ASPHALT BASE COURSE	SQ. METER	18880
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	MEGAGRAM	114.61 ~~1#9~~
308 (3)	PORTLAND CEMENT	MEGAGRAM	34.44 ~~#8~~
310 (1)	STOCKPILED PAVEMENT CRUSHING	LUMP SUM	ALL REQ'D
310 (1A)	ADDITIONAL PAVEMENT CRUSHING, C.O. 1	LUMP SUM	ALL REQ'D.
401 (1)	ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS B	MEGAGRAM	362.41 ~~3200~~
401 (2)	ASPHALT CEMENT, GRADE PG 58-22	MEGAGRAM	178.22 ~~175~~
401 (9)	PAVEMENT PATCHING ITEM NOT USED.	SQ. METER	0 ~~18~~
402 (1)	STE-1 ASPHALT FOR TACK COAT ITEM NOT USED.	MEGAGRAM	0 ~~8~~
603 (22)	RUG EXISTING CONCRETE, C.O. 3	LUMP SUM	ALL REQ'D.
604 (8)	ADJUSTMENT OF VALVEBOX	EACH	4 ~~2~~
604 (4A)	ADJUST EXISTING MANHOLE, C.O. 1	LUMP SUM	ALL REQ'D.
607 (3)	CHAIN LINK FENCE	METER	621.55 ~~1030~~
615 (1)	STANDARD SIGN	SQ. METER	21.57 ~~5~~
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D
641 (2)	EROSION AND POLLUTION CONTROL ITEM NOT USED.	CONF. SUM	ALL REQ'D.
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
642 (11)	ADJUST EXISTING MONUMENT CASE	EACH	4
643 (1)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
670 (8)	RECESSED PAVEMENT MARKERS	EACH	90 ~~10~~
670 (10)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQ'D

BASIS OF ESTIMATE

ITEM NO.	ITEM	ESTIMATING FACTOR
301 (1)	AGGREGATE BASE COURSE	2.323 Mg/m ³
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	0.0024 Mg/m ³ /mm
401 (2)	ASPHALT CEMENT, GRADE PG 58-22	5.5% OF ITEM NO. 401(1)
402 (6)	STE-1 ASPHALT FOR TACK COAT	0.45L/m ² ; 1.0 kg/mg

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY
ESTIMATE OF QUANTITIES

TH 7-30-03

DESIGNED BY: CHUCK HAKARI



CHECKED BY: VICTOR M. WINTERS

DRAWN BY: MICHAEL LIMBAUGH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

JUNEAU
OLD DAIRY ROAD
AND
GLACIER HIGHWAY

PROJECT DESIGNATION NUMBER

S TP - 0008(380)/68181

STATE	YEAR
ALASKA	2001
SHEET NUMBER	TOTAL SHEETS
7	

SIGN SUMMARY GLACIER HIGHWAY

SIGN LOCATION	STATION	OFFSET		TYPE	FACING TRAFFIC	SIGN LEGEND	SIZE		AREA (SQ. M)	POST SIZE	POST TYPE	REMARKS
		LT	RT				WD	HT				
1	GH 1+055		X	R2-1	NB	SPEED LIMIT 35	762	914	0.697	-	-	SALVAGE AND REPLACE
2	GH 1+110		X	D2-2	NB	AIUKE BAY 3	2134	914	1.951	-	-	SALVAGE AND REPLACE DELETED
						TEE HARBOR 9						
3	GH 1+205	X		R1-1	EB	STOP	762	762	0.581	-	-	SALVAGE AND REPLACE
4	GH 1+205	X		D3-1	NB/SB	PATRICIA PL	914	203	0.186	-	-	SALVAGE AND REPLACE: MOUNT ABOVE #3
5	GH 1+205	X		D3-1	EB	GLACIER HWY	914	203	0.186	-	-	MOUNT ABOVE #4
6	GH 1+240		X	S5-2	NB	SCHOOL SPEED LIMIT 20	610	1219	0.743	-	-	SALVAGE AND REPLACE
7	GH 1+320		X	R1-1	WB	STOP	762	762	0.581	-	-	SALVAGE AND REPLACE
8	GH 1+320		X	D3-1	NB/SB	DEL RAE RD	914	203	0.186	-	-	SALVAGE AND REPLACE: MOUNT ABOVE #7
9	GH 1+340		X	R1-1	WB	STOP	762	762	0.581	-	-	SALVAGE AND REPLACE
10	GH 1+340		X	D3-1	NB/SB	SUNSET DR	762	203	0.155	-	-	SALVAGE AND REPLACE: MOUNT ABOVE #9
11	GH 1+340		X	D3-1	WB	GLACIER HWY	914	203	0.186	-	-	MOUNT ABOVE #10
12	GH 1+405	X		S5-2	SB	SCHOOL SPEED LIMIT 20	610	1219	0.743	-	-	SALVAGE AND REPLACE
13	GH 1+475		X	W1-1R	NB	RIGHT TURN ONLY	762	762	0.581	-	-	MOUNT ABOVE #14
14	GH 1+475		X	W13-1	NB	15 MPH	610	610	0.372	-	-	SALVAGE AND REPLACE
15		X			NB	BUS STOP	0	0		-	-	RELOCATE SIGN AS NEEDED
16	GH 1+490	X		R2-1	SB	SPEED LIMIT 35	762	914	0.697	-	-	SALVAGE AND REPLACE
17	GH 1+495	X		R1-1	EB	STOP	762	762	0.581	-	-	SALVAGE AND REPLACE
18	GH 1+495	X		D3-1	NB/SB	RADCLIFFE RD	914	203	0.186	-	-	SALVAGE AND REPLACE: MOUNT ABOVE #17
19	GH 1+495	X		D3-1	EB	GLACIER HWY	914	203	0.186	-	-	MOUNT ABOVE #18
20	GH 1+550		X		NB	BUS STOP	0	0	0	-	-	RELOCATE SIGN AS NEEDED
21	GH 1+570	X		R1-1	EB	STOP	762	762	0.581	-	-	SALVAGE AND REPLACE
22	GH 1+570	X		D3-1	NB/SB	ALDER CIR	762	203	0.155	-	-	SALVAGE AND REPLACE: MOUNT ABOVE #21
23	GH 1+570	X		D3-1	EB	GLACIER HWY	914	203	0.186	-	-	MOUNT ABOVE #22
24	GH 1+580		X	W3-1	NB	STOP AHEAD (SYMBOL)	914	914	0.836	-	-	SALVAGE AND REPLACE
25	GH 1+570		X	Plaque	NB	STOP AHEAD (LEGEND)	610	457	0.279	-	-	SALVAGE AND REPLACE
26	GH 1+605	X		W1-6	NB	RIGHT ARROW	1219	610	0.743	-	-	SALVAGE AND REPLACE
27	GH 1+605	X		OM-1	NB	OBJECT MARKER	457	457	0.209	-	-	SALVAGE AND REPLACE
28	GH 1+625	X		Special	SB	ADOPT A HIGHWAY	914	457	0.418	-	-	SALVAGE AND REPLACE
29	GH 1+625	X		Special	SB	COVER ALASKA INC	914	457	0.418	-	-	SALVAGE AND REPLACE
30	GH 1+625		X	R1-1	WB	STOP	762	762	0.581	-	-	SALVAGE AND REPLACE
31	GH 1+625		X	D3-1	NB/SB	EGAN DR	762	203	0.155	-	-	SALVAGE AND REPLACE
32	GH 1+625		X	D3-1	EB/WB	GLACIER HWY	914	203	0.186	-	-	SALVAGE AND REPLACE
									12.04			
									12.04			

SIGN SUMMARY OLD DAIRY ROAD

SIGN LOCATION	STATION	OFFSET		TYPE	FACING TRAFFIC	SIGN LEGEND	SIZE		AREA (SQ. M)	POST SIZE	POST TYPE	REMARKS
		LT	RT				WD	HT				
1	OD 1+005	X		W12-1	WB	DOUBLE ARROW	610	610	0.372	-	-	SALVAGE AND REPLACE
2	OD 1+005	X		OM-1	WB	OBJECT MARKER	457	457	0.209	-	-	MOUNT BELOW #1
3	OD 1+140	X		R1-1	SB	STOP	762	762	0.581	-	-	SALVAGE AND REPLACE (INTERSECTION YANDUKIN, OLD DAIRY)
4	OD 1+140	X		D3-1	EB/WB	OLD DAIRY RD	762	203	0.248	-	-	SALVAGE AND REPLACE: MOUNT ABOVE #3
5	OD 1+140	X		D3-1	SB	YANDUKIN RD	1219	203	0.248	-	-	MOUNT ABOVE #4
6	OD 1+150	X		R1-2	WB	YIELD	762	762	0.581	-	-	SALVAGE AND REPLACE
7	OD 1+190	X		R4-7B	SB	KEEP RIGHT (W ARROW)	762	914	0.697	-	-	SALVAGE AND REPLACE
8	OD 1+190	X		OM-1	WB	OBJECT MARKER	457	457	0.209	-	-	MOUNT BELOW #7
9	OD 1+190		X	R5-1	EB	DO NOT ENTER	610	610	0.372	-	-	SALVAGE AND REPLACE
10	OD 1+210	X		W3-1	SB	STOP AHEAD (SYMBOL)	914	914	0.836	-	-	SALVAGE AND REPLACE
11	OD 1+210	X		Plaque	SB	STOP AHEAD (LEGEND)	610	457	0.279	-	-	MOUNT BELOW #10
12	OD 1+225	X		R1-1	SB	STOP	762	762	0.581	-	-	SALVAGE AND REPLACE
13	OD 1+225	X		D3-1	SB	AIRPORT BLVD	1219	203	0.495	-	-	SALVAGE AND REPLACE: MOUNT ABOVE #14
14	OD 1+225	X		D3-1	EB	OLD DAIRY RD	1219	203	0.248	-	-	MOUNT ABOVE #12
15	OD 1+335		X	R2-1	SB	SPEED LIMIT 40	762	914	0.697	-	-	SALVAGE AND REPLACE
16	OD 1+590	X		R2-1	SB	SPEED LIMIT 40	762	914	0.697	-	-	SALVAGE AND REPLACE
17	OD 1+590		X	R2-1	SB	SPEED LIMIT 35	762	914	0.697	-	-	SALVAGE AND REPLACE
18	OD 1+795	X		R1-1	NB	STOP	762	762	0.581	-	-	SALVAGE AND REPLACE
19	OD 1+795	X		D3-1	EB/WB	CREST AVE	762	203	0.248	-	-	SALVAGE AND REPLACE: MOUNT ABOVE #16
20	OD 1+795	X		D3-1	NB	OLD DAIRY RD	762	203	0.248	-	-	MOUNT ABOVE #17
21	OD 1+905	X		R2-1	WB	SPEED LIMIT 35	762	914	0.697	-	-	SALVAGE AND REPLACE
								TOTAL	9.8254			

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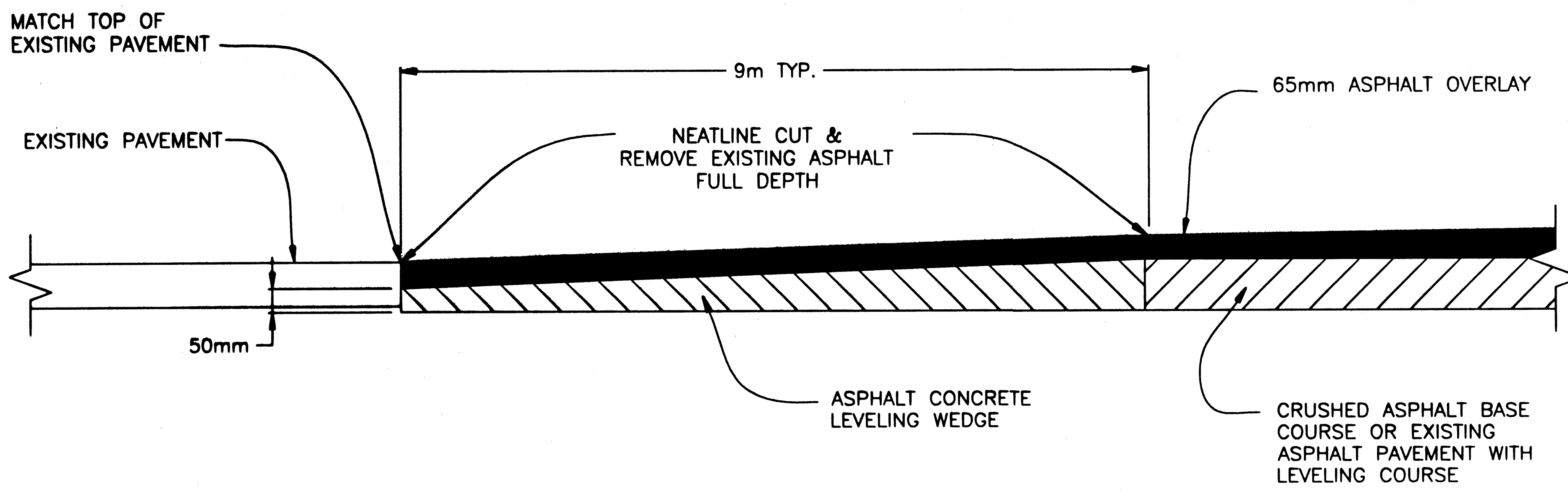
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
RECORD OF REVISIONS	
No.	DESCRIPTION

JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY
SIGN SUMMARY

74 7-96-03
DESIGNED BY: Ken Mattson

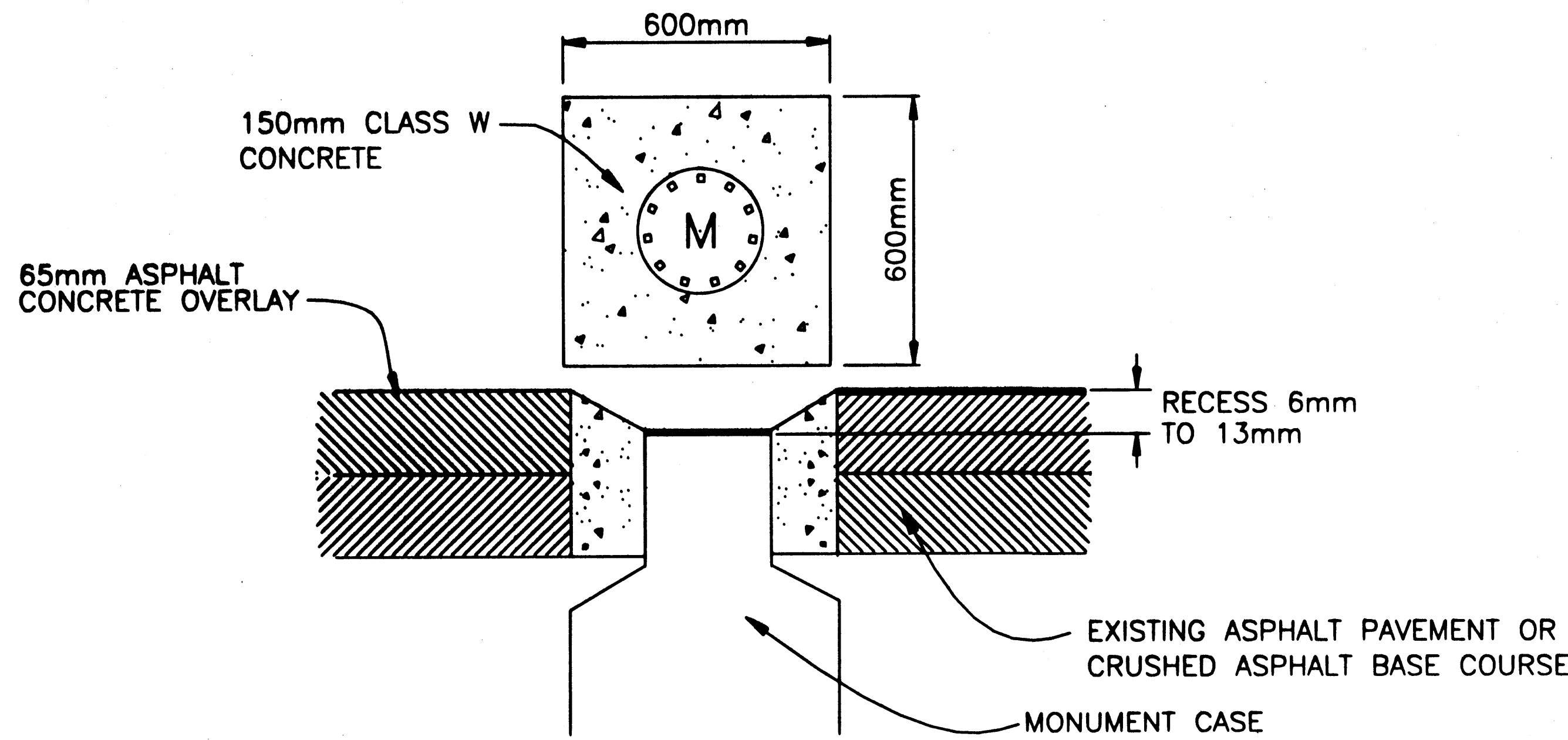


CHECKED BY: Michael Lukshin	
DRAWN BY: MICHAEL LIMBAUGH	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION	
JUNEAU OLD DAIRY ROAD AND GLACIER HIGHWAY	
PROJECT DESIGNATION NUMBER STP - 0920(19) / 67600	
STATE ALASKA	YEAR 2001
SHEET NUMBER 8	TOTAL SHEETS



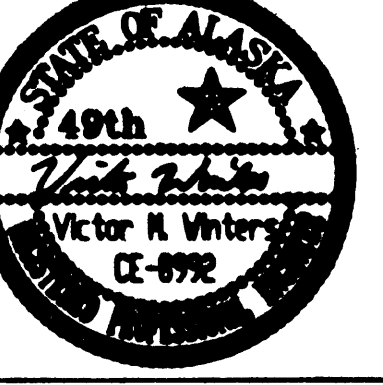
PAVEMENT MATCH JOINT

NOTE: A GROUND-IN TRANSITION MAY BE SUBSTITUTED, SUBJECT TO THE APPROVAL OF THE ENGINEER.



MONUMENT ENCASEMENT DETAIL

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

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ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
JUNEAU OLD DAIRY ROAD AND GLACIER HIGHWAY TYPICAL DETAILS		
7/2 7-20-03 DESIGNED BY: CHUCK HAKARI		
		
CHECKED BY: VICTOR M. WINTERS DRAWN BY: MICHAEL LIMBAUGH		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION JUNEAU OLD DAIRY ROAD AND GLACIER HIGHWAY		
PROJECT DESIGNATION NUMBER		
STP - 0008(380)/68181		
STATE	YEAR	
ALASKA	2001	
SHEET NUMBER	TOTAL SHEETS	
9		



SILT FENCE DETAILS



TEMPORARY CHECK DAM DETAILS



JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY

**JUNEAU
OLD DAIRY ROAD
AND
GLACIER HIGHWAY**

STP - 000S(380)6818

STATE	YEAR
ALASKA	2001

SHEET NUMBER	TOTAL SHEETS
10	

BEGIN PROJECT 68181
GLACIER HIGHWAY
*STA. "GN" 1+043.500 P.O.T. BK=
STA. "GH" 1+038.379 P.O.T. AHD
MATCH EXISTING

* THE "GN" LINE IS UNDER CONSTRUCTION
UNDER PROJECT 69755, EGAN DR. TO
MENDENHALL LOOP ROAD. PLANS ARE
AVAILABLE FROM THE DEPARTMENTS
CONTRACTING OFFICES AT 7MILE
GLACIER HIGHWAY.

CRUSHED ASPHALT
BASE COURSE

2m TAPER GRIND

LIMITS OF 65mm ASPHALT
CONCRETE OVERLAY

USE PAVEMENT MATCH
JOINT DETAIL

NOTE: STATIONING SHOWN IN THESE
PLANS IS FOR REFERENCE
ONLY. THE CONTRACTOR WILL
AS-BUILT THE ALIGNMENT IN
ACCORDANCE WITH THE
SPECIFICATIONS.

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY
PLAN SHEET

7-230-03
DESIGNED BY: CHUCK HAKARI

STATE OF ALASKA
49th
7/25/2001
Victor M. Winters
CE-8992

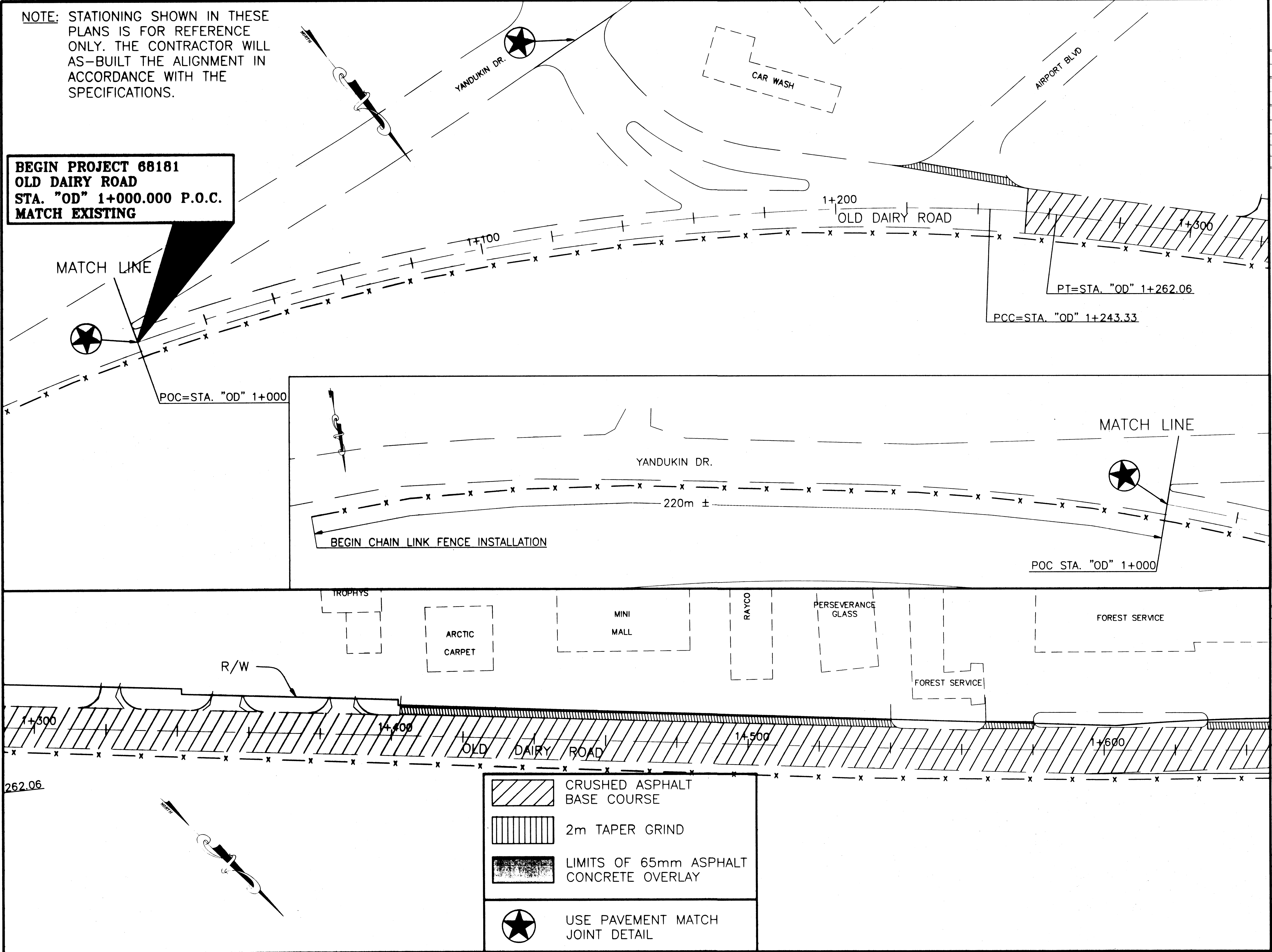
CHECKED BY: VICTOR M. WINTERS
DRAWN BY: MICHAEL LIMBAUGH
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION
JUNEAU
OLD DAIRY ROAD
AND
GLACIER HIGHWAY
PROJECT DESIGNATION NUMBER
STP - 000S(380)/68181

STATE	YEAR
ALASKA	2001
SHEET NUMBER	TOTAL SHEETS
11	

END PROJECT 68181
GLACIER HIGHWAY
STA. "GH" 1+630.211 P.O.T.
MATCH EXISTING

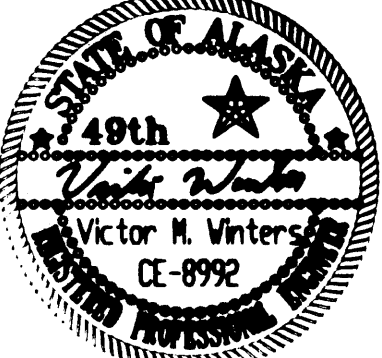
NOTE: STATIONING SHOWN IN THESE PLANS IS FOR REFERENCE ONLY. THE CONTRACTOR WILL AS-BUILT THE ALIGNMENT IN ACCORDANCE WITH THE SPECIFICATIONS.

BEGIN PROJECT 68181
OLD DAIRY ROAD
STA. "OD" 1+000.000 P.O.C.
MATCH EXISTING



74 730-03

DESIGNED BY: CHUCK HAKARI



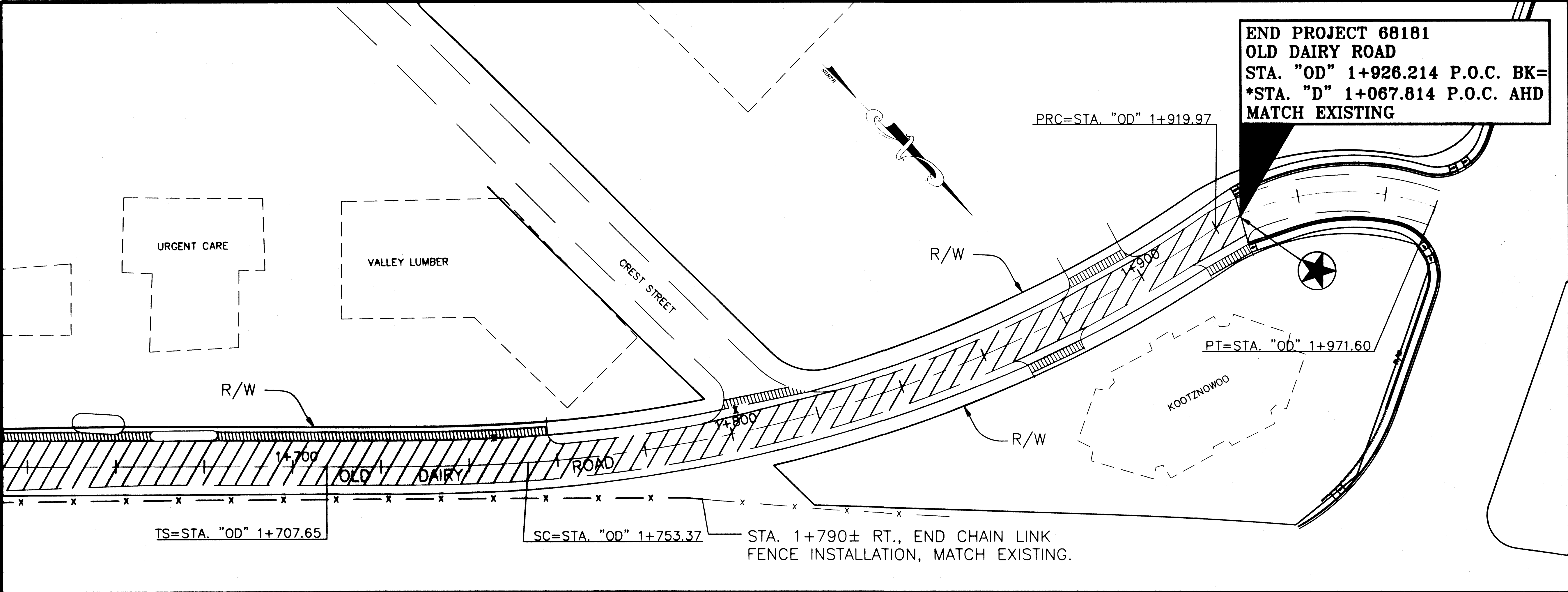
CHECKED BY: VICTOR M. WINTERS
DRAWN BY: MICHAEL LIMBAUGH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

**JUNEAU
OLD DAIRY ROAD
AND
GLACIER HIGHWAY**

PROJECT DESIGNATION NUMBER
STP - 000S(380)/68181

STATE	YEAR
ALASKA	2001
SHEET NUMBER	TOTAL SHEETS
12	



END PROJECT 68181
OLD DAIRY ROAD
STA. "OD" 1+928.214 P.O.C. BK=
*STA. "D" 1+067.814 P.O.C. AHD
MATCH EXISTING

- CRUSHED ASPHALT
BASE COURSE
- 2m TAPER GRIND
- LIMITS OF 65mm ASPHALT
CONCRETE OVERLAY
- USE PAVEMENT MATCH
JOINT DETAIL

* THE "D" LINE IS UNDER CONSTRUCTION
UNDER PROJECT 69755 EGAN DR. TO
MENDENHALL LOOP ROAD. PLANS ARE
AVAILABLE FROM THE DEPARTMENT'S
CONTRACTING OFFICES AT 7MILE
GLACIER HIGHWAY

NOTE: STATIONING SHOWN IN THESE
PLANS IS FOR REFERENCE
ONLY. THE CONTRACTOR WILL
AS-BUILT THE ALIGNMENT IN
ACCORDANCE WITH THE
SPECIFICATIONS.

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Tue, 03/Jul/01 03:54PM
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY
PLAN SHEET

7/1 7-30-03

DESIGNED BY: CHUCK HAKARI



CHECKED BY: VICTOR M. WINTERS
DRAWN BY: MICHAEL LIMBAUGH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION
JUNEAU
OLD DAIRY ROAD
AND
GLACIER HIGHWAY

PROJECT DESIGNATION NUMBER
STP - 0005(380)/68181

STATE	YEAR
ALASKA	2001
SHEET NUMBER	TOTAL SHEETS
13	

BEGIN PROJECT 68181
GLACIER HIGHWAY
STA. "GH" 1+038.379 P.O.C.
MATCH EXISTING

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ADDENDUM NUMBER

ATTACHMENT NUMBER

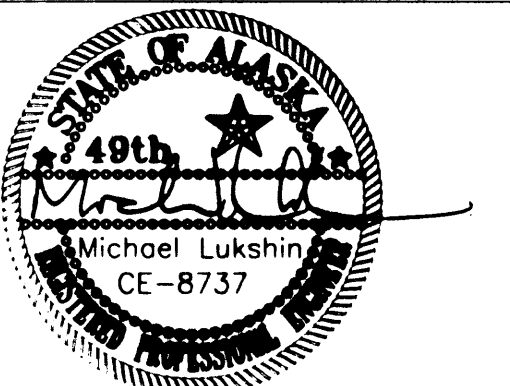
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY
STRIPING PLAN
GLACIER HIGHWAY

7/4 7-30-03

DESIGNED BY: Ken Mattson



CHECKED BY: Michael Lukshin

DRAWN BY: MICHAEL LIMBAUGH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

JUNEAU
OLD DAIRY ROAD
AND
GLACIER HIGHWAY

PROJECT DESIGNATION NUMBER

STP - 0920(19) / 67600

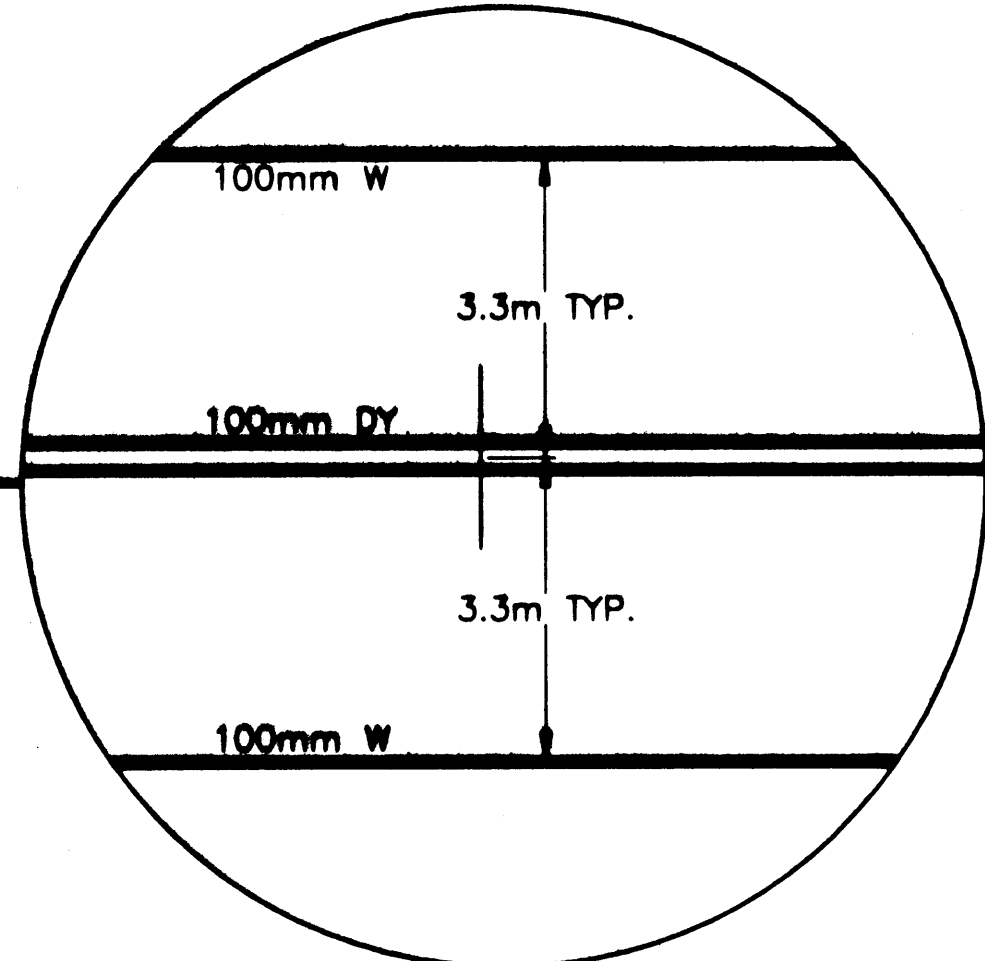
STATE YEAR

ALASKA 2001

SHEET NUMBER TOTAL SHEETS

14

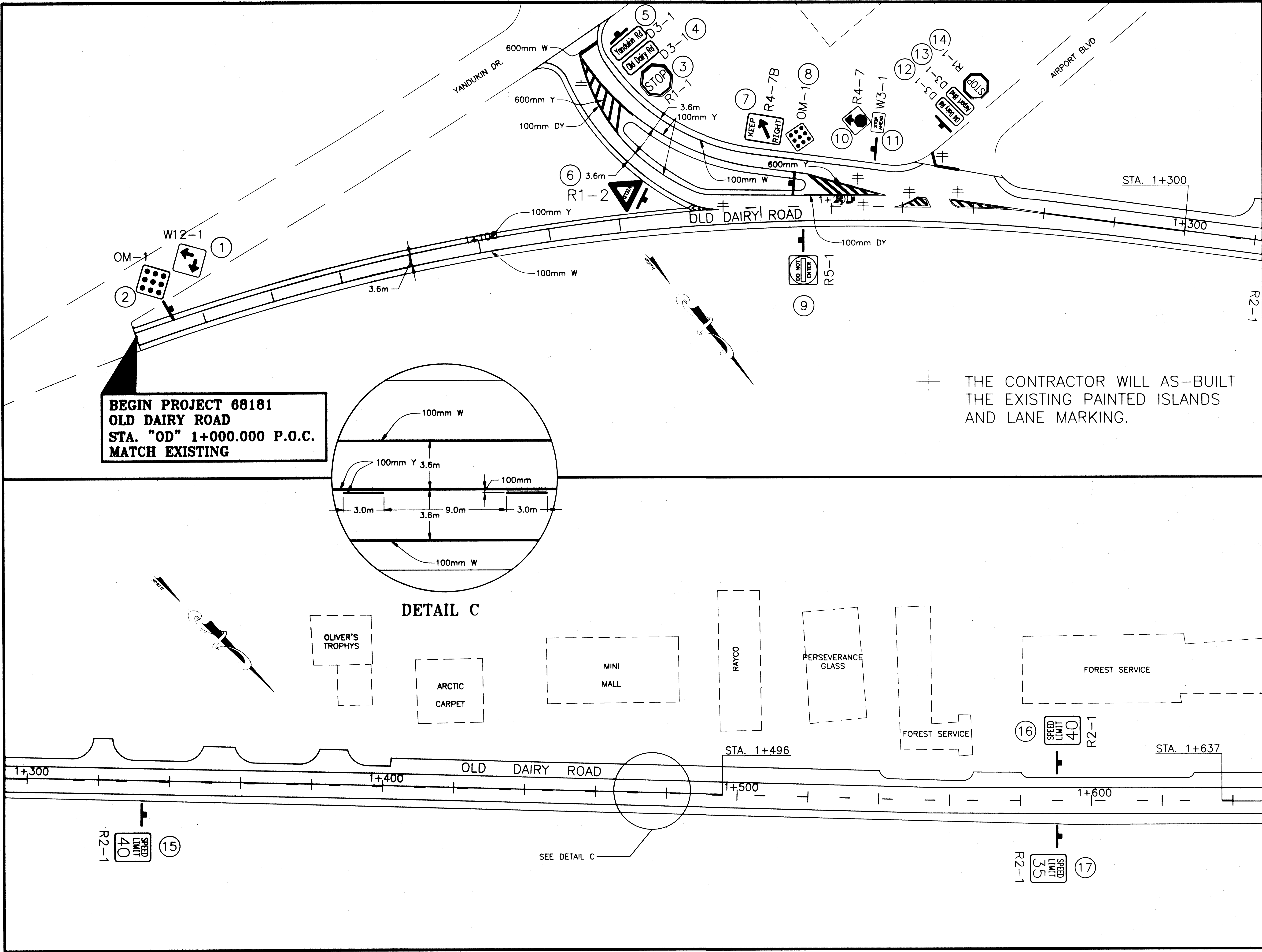
DETAIL A



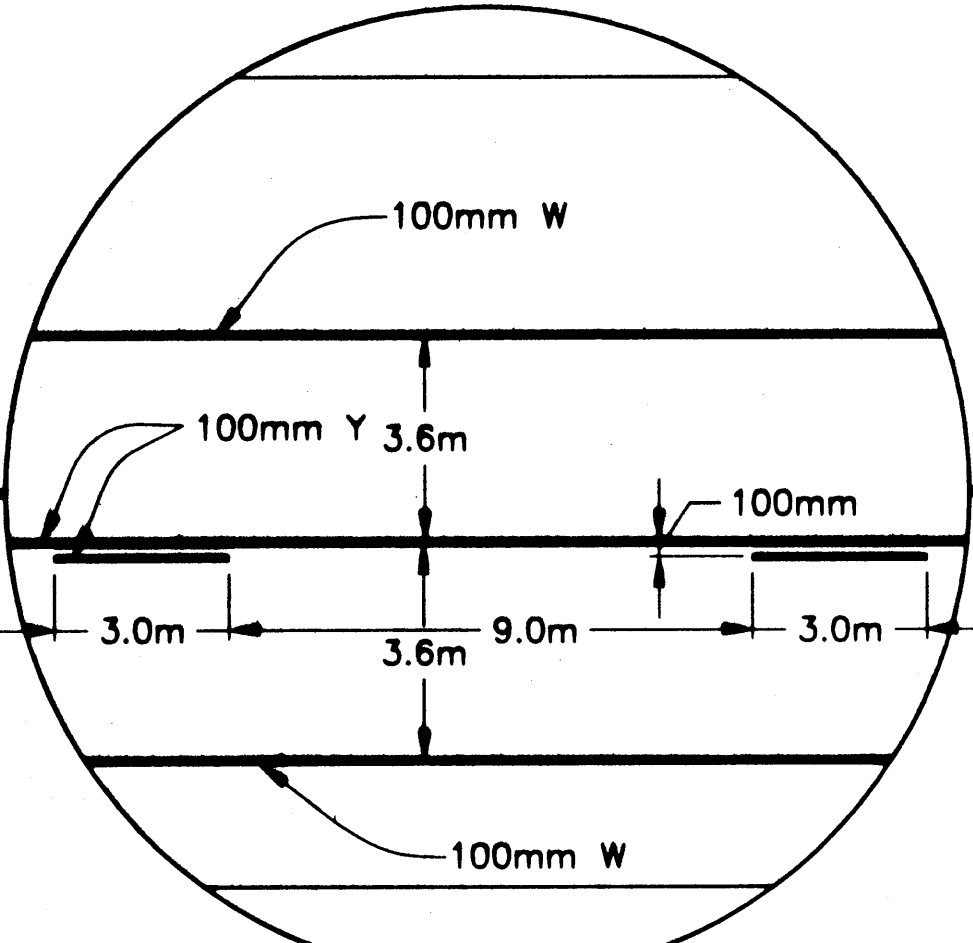
SEE DETAIL A

THE CONTRACTOR WILL AS-BUILT
THE EXISTING PAINTED ISLANDS
AND LANE MARKING.

END PROJECT 68181
GLACIER HIGHWAY
STA. "GH" 1+630.211 P.O.T.
MATCH EXISTING



BEGIN PROJECT 68181
OLD DAIRY ROAD
STA. "OD" 1+000.000 P.O.C.
MATCH EXISTING



DETAIL C

PATH:
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

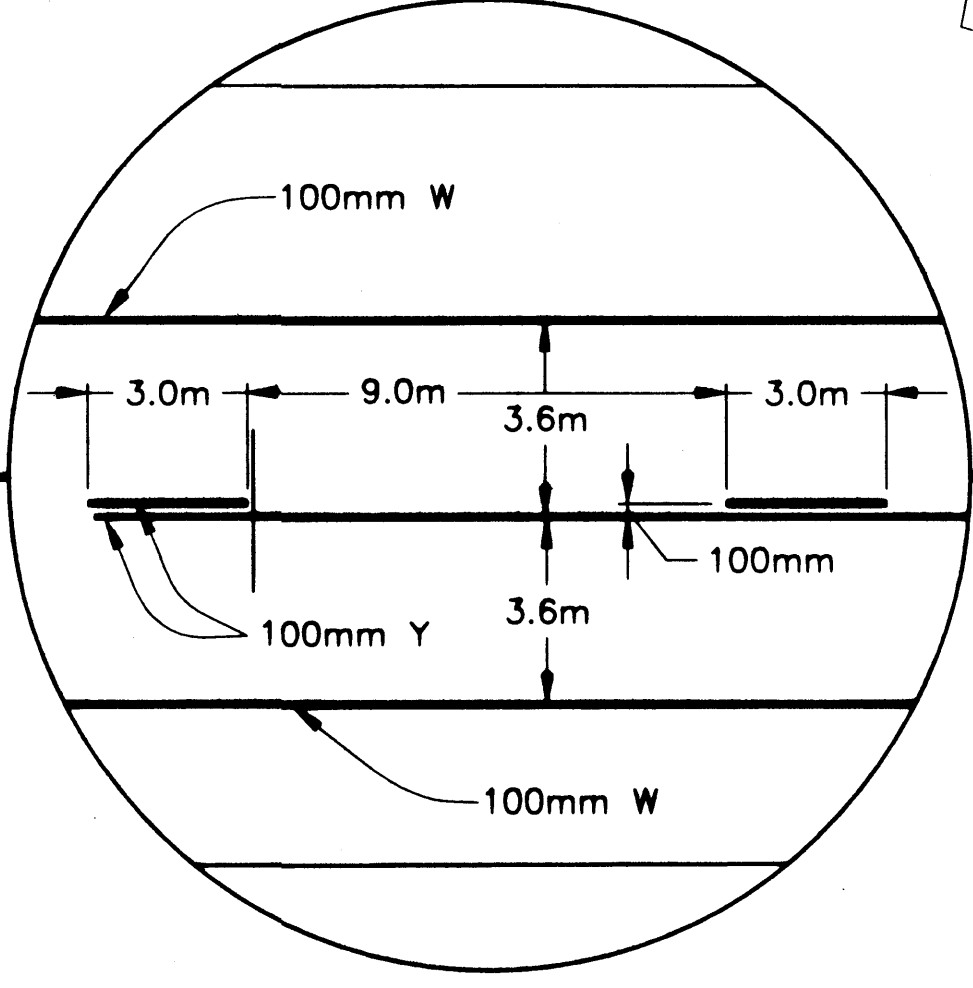
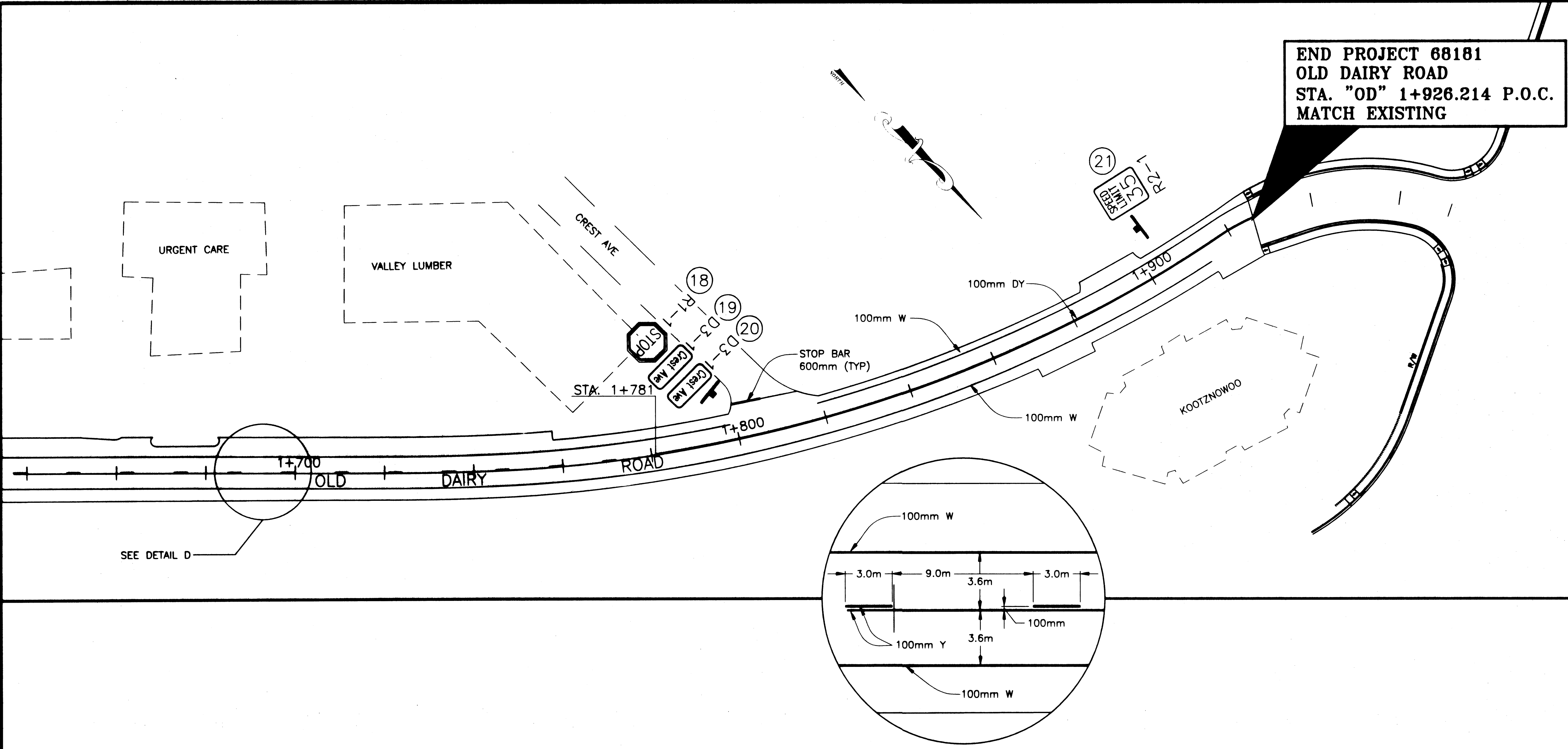
JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY
STRIPING PLAN
OLD DAIRY ROAD

7/ 7:30-03
DESIGNED BY: Ken Mattson

CHECKED BY: Michael Lukshin
DRAWN BY: MICHAEL LIMBAUGH
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION
JUNEAU
OLD DAIRY ROAD
AND
GLACIER HIGHWAY
PROJECT DESIGNATION NUMBER
STP - 0920(19) / 67600

STATE	YEAR
ALASKA	2001

SHEET NUMBER	TOTAL SHEETS
15	



DETAIL D

END PROJECT 68181
OLD DAIRY ROAD
STA. "OD" 1+926.214 P.O.C.
MATCH EXISTING

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Tue, 03/Jul/01 03:51PM Michael Limbaugh
PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY
STRIPING PLAN
OLD DAIRY ROAD

TH 7-30-03
DESIGNED BY: Ken Mattson

CHECKED BY: Michael Lukshin
DRAWN BY: MICHAEL LIMBAUGH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

**JUNEAU
OLD DAIRY ROAD
AND
GLACIER HIGHWAY**

PROJECT DESIGNATION NUMBER
STP - 0920(19) / 67600

STATE	YEAR
ALASKA	2001

SHEET NUMBER	TOTAL SHEETS
16	

JUNEAU

OLD DAIRY ROAD AND
GLACIER HIGHWAY

PAVEMENT MARKERS

7/2-7-50-03

DESIGNED BY: Ken Mattson

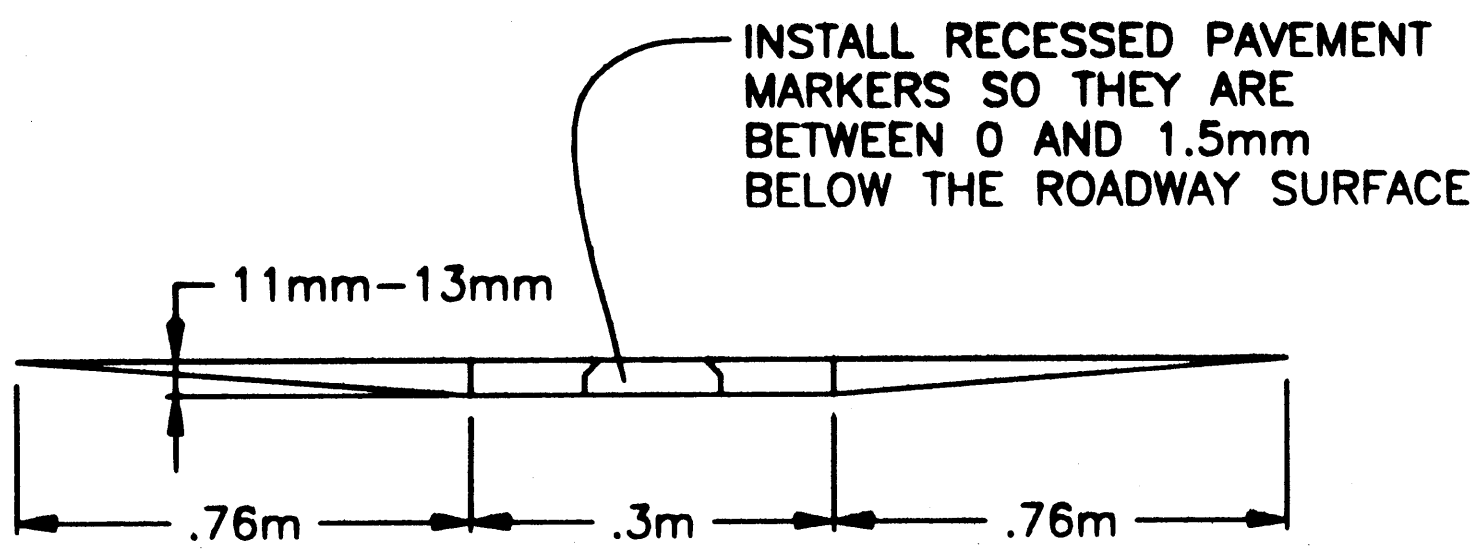


CHECKED BY: Michael Lukahin
DRAWN BY: MICHAEL LIMBAUGH

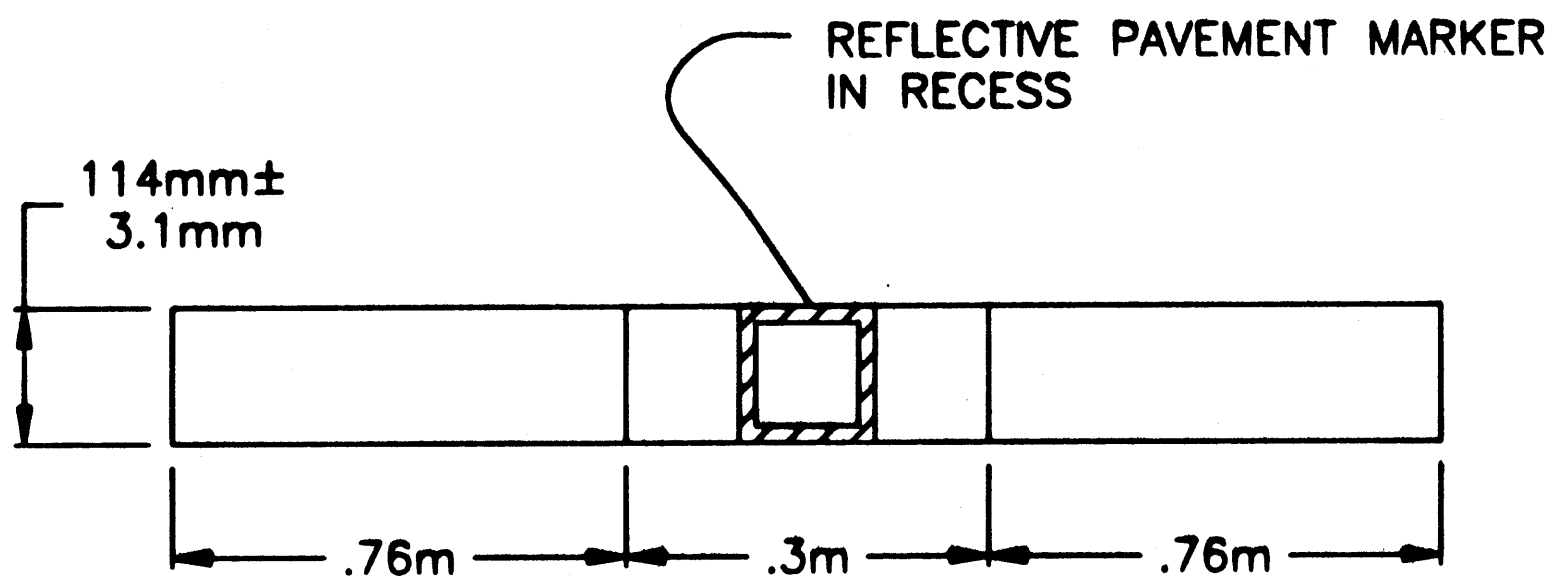
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION
JUNEAU
**OLD DAIRY ROAD
AND
GLACIER HIGHWAY**

PROJECT DESIGNATION NUMBER
STP - 0920(19) / 67600

STATE	YEAR
ALASKA	2001
SHEET NUMBER	TOTAL SHEETS
17	



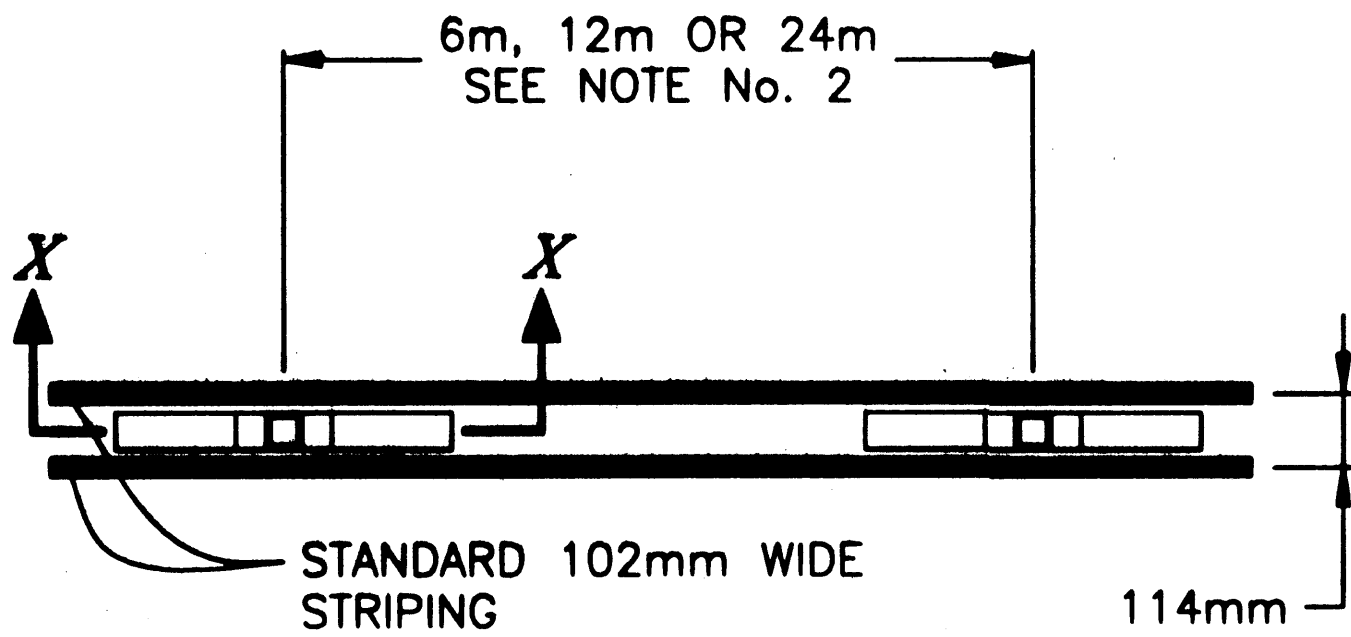
SECTION X-X
RECESSED PAVEMENT MARKER



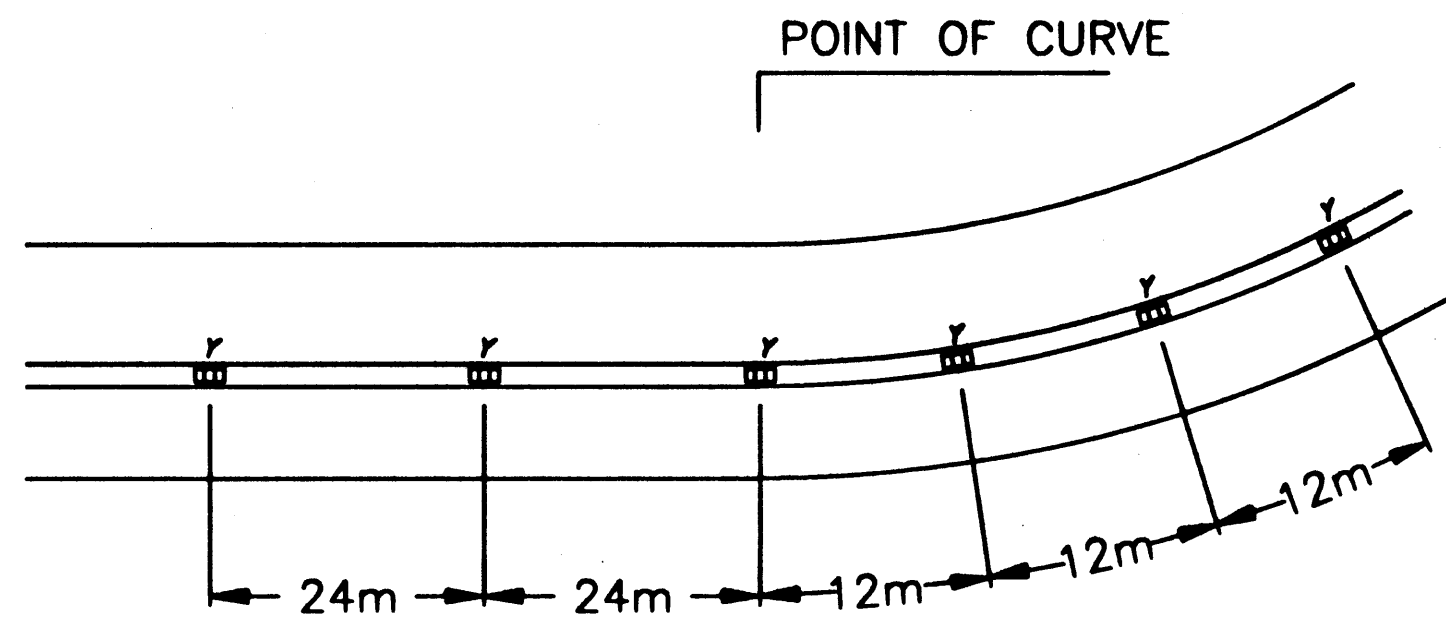
PLAN
RECESSED PAVEMENT MARKER

R.P.M. SUMMARY TABLE				
BEG. STA.	END STA.	SPACING		QUANTITY
		24	12	
"OD" 1+200	"OD" 1+760	X		23
"OD" 1+760	"OD" 1+926		X	14
"GH" 1+038	"GH" 1+205	X		7
"GH" 1+205	"GH" 1+417		X	17
"GH" 1+417	"GH" 1+630	X		9
TOTAL				70

- NOTES:**
1. INSTALL REFLECTIVE PAVEMENT MARKERS ALONG ENTIRE PROJECT. RPM'S SHALL NOT BE PLACED IN INTERSECTIONS WITH PUBLIC ROADWAYS.
 2. RPM SPACING SHALL START OVER AT INTERSECTION BOUNDARY.
 3. ONLY PUBLIC ROADWAYS WILL BE MARKED AS INTERSECTION APPROACHES.
 4. REFLECTIVE PAVEMENT MARKERS SHALL HAVE DUAL YELLOW REFLECTIVE SURFACES FOR TWO-LANE ROADWAY AREAS.



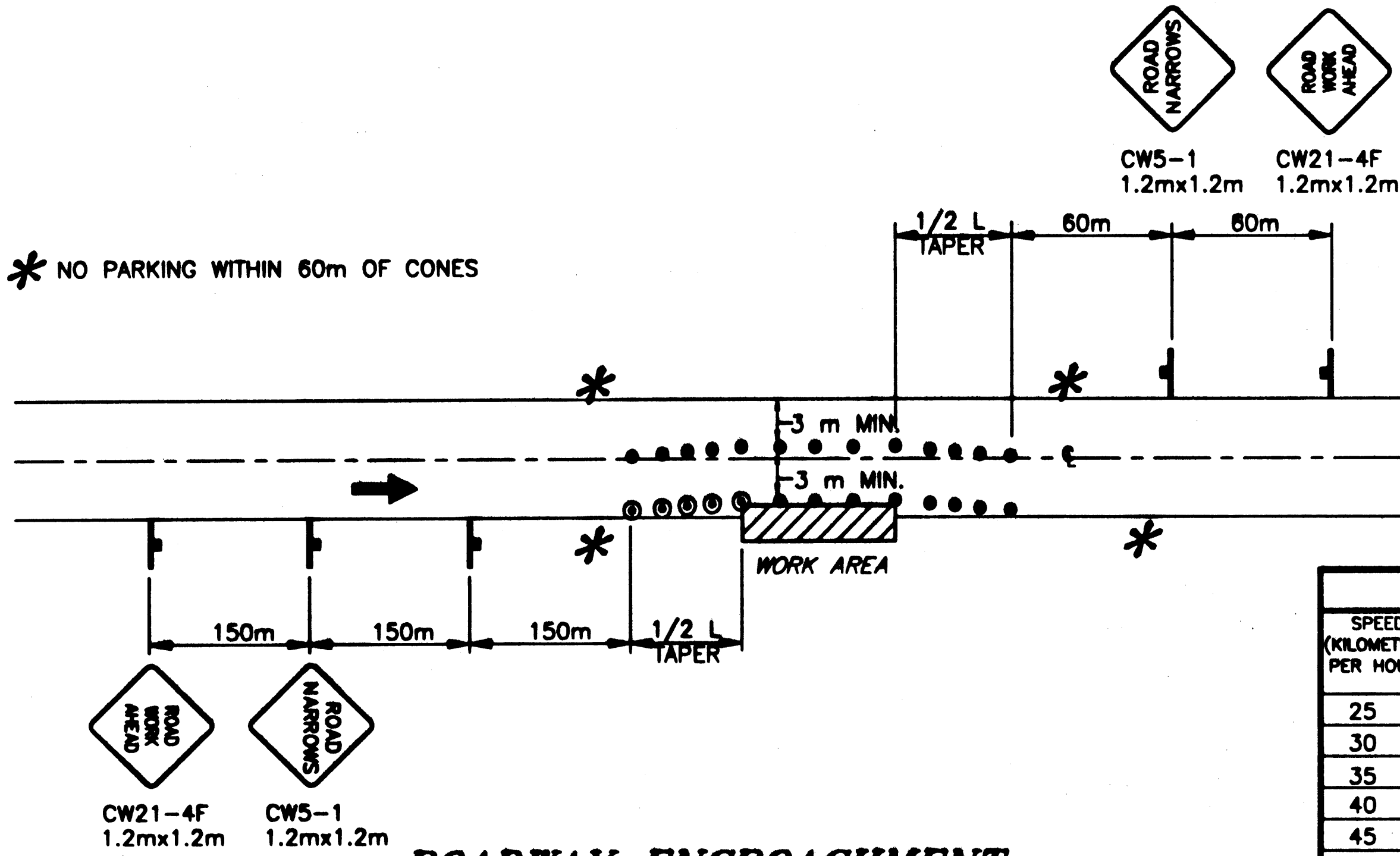
INSTALLATION DETAILS
RECESSED PAVEMENT MARKER



TWO LANE, TWO WAY DETAIL
RECESSED PAVEMENT MARKER

TRAFFIC CONTROL NOTES

1. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATIONS NOT COVERED BY THIS TCP SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
2. A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES, THROUGH ALL WORK AREAS.
3. TWO LANES SHALL BE MAINTAINED AT ALL TIMES IN NON-WORK AREAS AND DURING NON-WORKING HOURS.
4. TRAFFIC LANES SHALL BE A MINIMUM OF 3 METERS WIDE.
5. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
6. TEMPORARY PAVEMENT MARKINGS WILL BE REQUIRED AS DESCRIBED IN SECTION 643-3.09 OF THE SPECIFICATIONS.
7. CHANNELIZATION DEVICES WILL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL IF USED AT NIGHT.
8. THE CONTRACTOR WILL ATTEMPT TO RESTORE ACCESS TO BUSINESSES AS SOON AS POSSIBLE AND NO LATER THAN THE END OF THAT DAYS WORK SHIFT.
9. THE CONTRACTOR SHALL GIVE 24 HOURS ADVANCE NOTICE BEFORE WORKING ON DRIVEWAYS.
10. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.
11. THE MAXIMUM LENGTH OF A ONE LANE, TWO-WAY WORK ZONE (FLAGGER SETUP) SHALL BE 3000 METERS, AND THE MINIMUM SEPARATION BETWEEN WORK ZONES SHALL BE 300 METERS. IF VEHICLE STOP TIME EXCEEDS FIVE MINUTES, THE CONTRACTOR SHALL SHORTEN HIS WORK ZONE OR RESCHEDULE HIS WORK TO A LESS BUSY HOUR.
12. FLAGGERS SHALL BE IN RADIO CONTACT WITH ONE ANOTHER.
13. THE CONTRACTOR SHALL PATCH ALL BASE RECONSTRUCTION AREAS WITH CRUSHED ASPHALT IMMEDIATELY AFTER FINISHING WORK IN THESE AREAS. THE CRUSHED ASPHALT IN THESE AREAS SHALL BE MAINTAINED UNTIL THE PAVEMENT IS RECYCLED AND MIXED WITH EMULSION.
14. WHEREVER A BUSINESS OR A GROUP OF BUSINESSES HAVE MULTIPLE APPROACHES, ONE APPROACH WILL BE LEFT OPEN UNTIL WORK IS COMPLETED.
15. ACCESS TO HOMES AND BUSINESSES WILL BE KEPT OPEN AT ALL TIMES. WORK ON ACCESS TO ANY HOME OR BUSINESS THAT HAS ONLY ONE ACCESS, WILL BE DONE WITH HALF WIDTH CONSTRUCTION, AND BE CONTROLLED BY A FLAGGER.



ROADWAY ENCROACHMENT

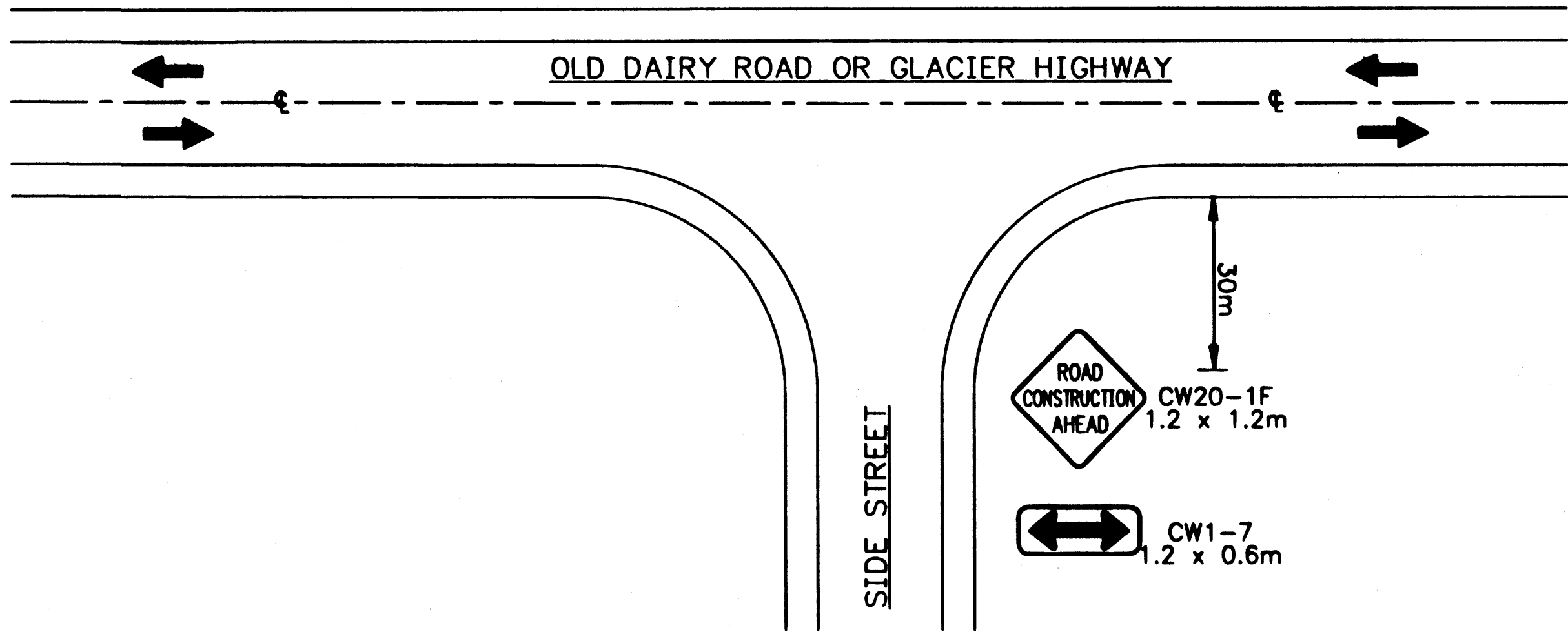
NOTE: IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 3m TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.

LEGEND

- SIGN
 - CONE
 - DRUM
 - TYPE III BARRICADE
 - FLAGGING STATION
- WHERE
L = LENGTH OF TAPER
W = WIDTH OF OFFSET
T = TAPER RATE
L = W x T

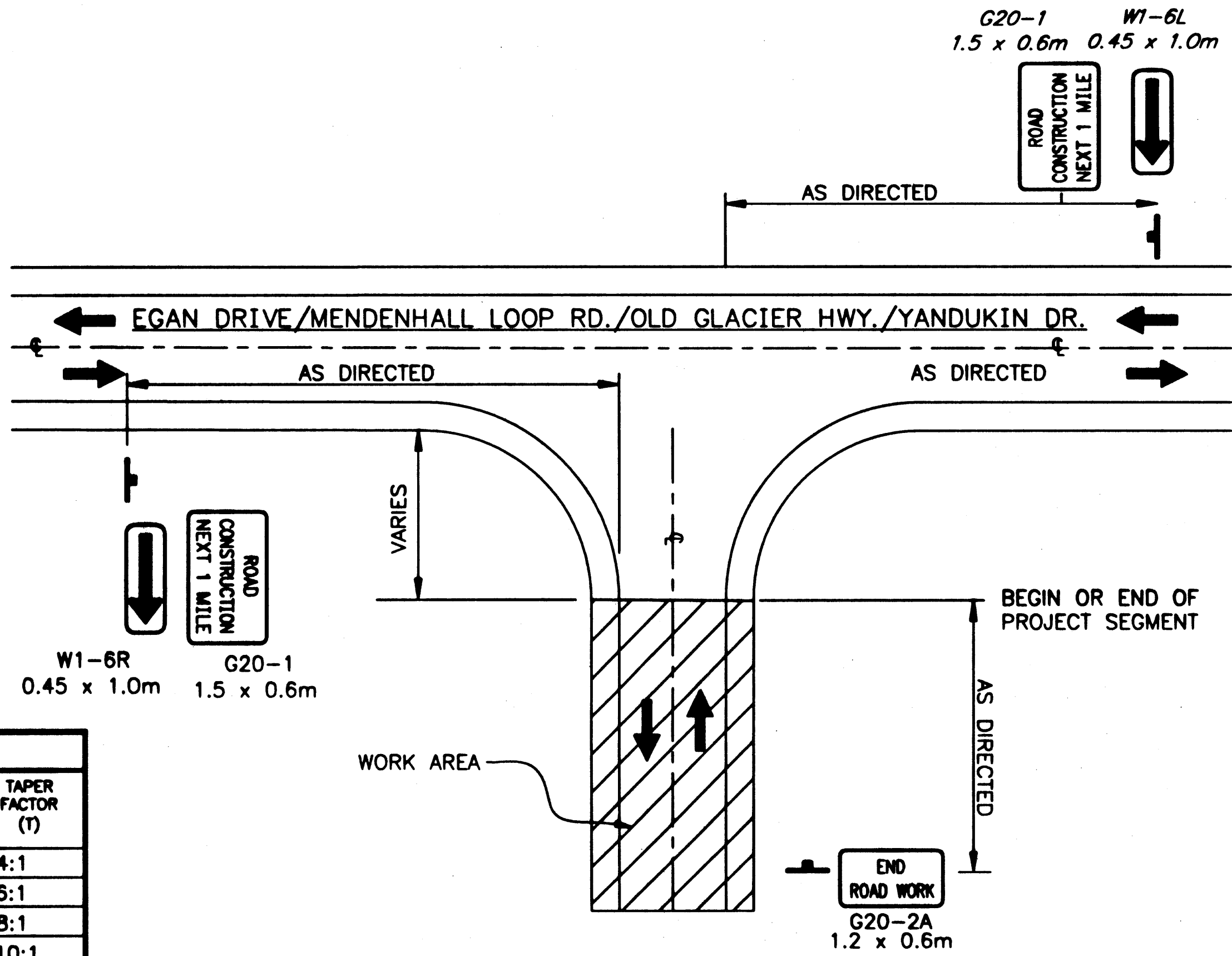
TCP TABLE SETUP

SPEED (KILOMETERS PER HOUR)	SPEED (MILES PER HOUR)	BUFFER/ LENGTH (m)	CONES/DRUM SPACING (m)	TAPER FACTOR (T)
25	16	9	5	4:1
30	19	11	6	6:1
35	22	14	7	8:1
40	25	17	8	10:1
45	28	21	9	13:1
50	31	26	10	16:1
55	34	35	11	19:1
60	37	43	12	23:1
65	40	52	13	27:1
70	43	62	14	32:1
75	47	75	15	47:1
80	50	85	16	50:1
85	53	98	17	53:1
90	56	110	18	56:1



PERMANENT CONSTRUCTION SIGNING
FOR SIDE STREETS

SIDE STREET PLACEMENT AT:
DEL RAE ROAD
SUNSET DRIVE
RADCLIFFE ROAD
AIRPORT BLVD
CREST STREET



PERMANENT CONSTRUCTION SIGNING
BEGIN/END OF PROJECT SEGMENTS

NOTE: DO NOT SCALE FROM THESE PLANS--USE DIMENSIONS

PATH:
Q:\Jnu\88181\Planest\TrafficCont.dwg
Tue, 03/Aul/01 02:48PM Michael Limbaugh
PLDT:
PSPACE 1=1(F) OR HSPACE 1=1(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY

TRAFFIC CONTROL PLAN

7/1 7:30-03

DESIGNED BY: Ken Mattson

CHECKED BY: Michael Lukashin

DRAWN BY: MICHAEL LIMBAUGH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

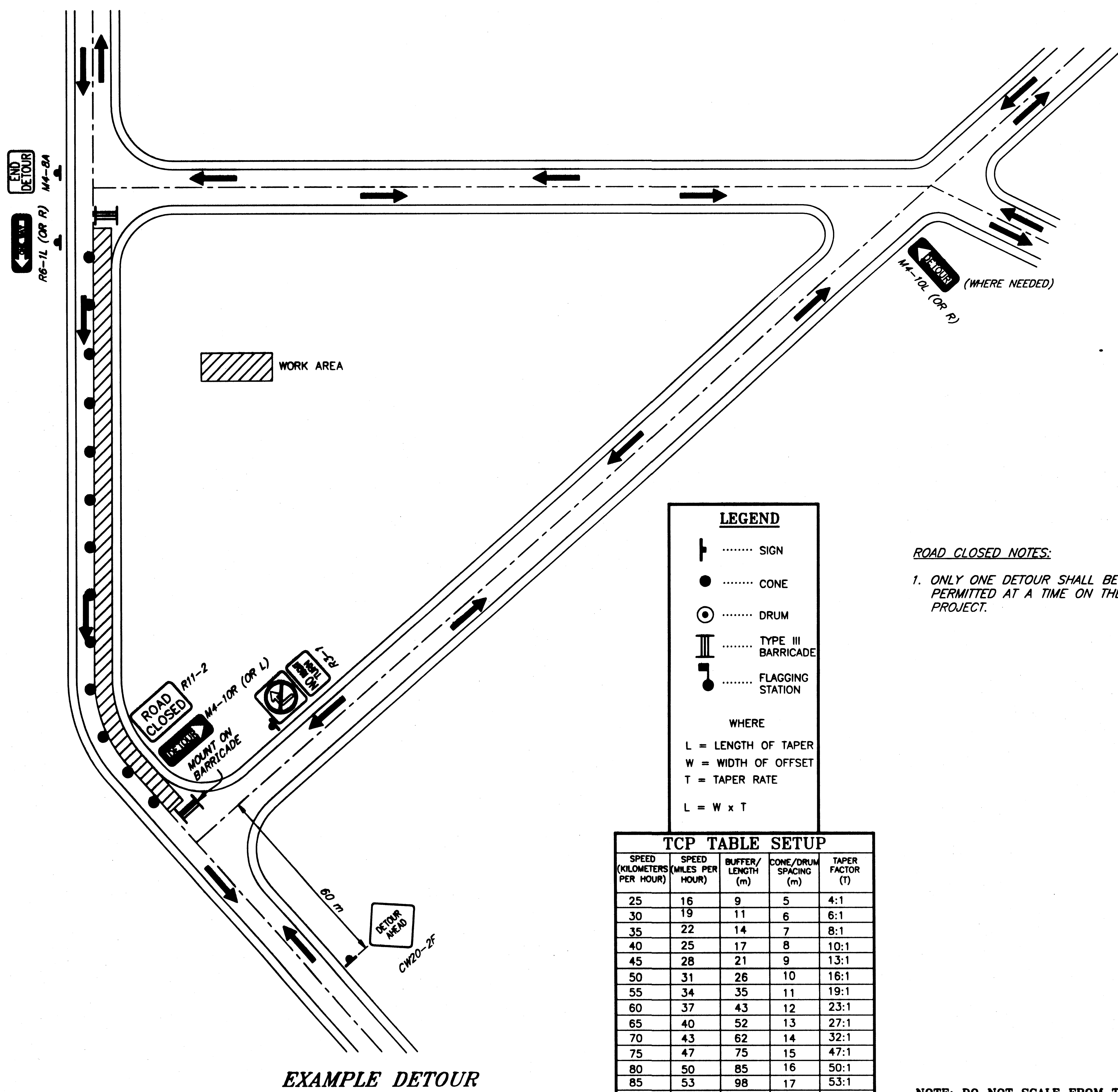
JUNEAU
OLD DAIRY ROAD
AND
GLACIER HIGHWAY

PROJECT DESIGNATION NUMBER

STP - 0920(19) / 67600

STATE	YEAR
ALASKA	2001

SHEET NUMBER	TOTAL SHEETS
18	



SPEED (KILOMETERS PER HOUR)	SPEED (MILES PER HOUR)	BUFFER/ LENGTH (m)	ZONE/DRUM SPACING (m)	TAPER FACTOR (T)
25	16	9	5	4:1
30	19	11	6	6:1
35	22	14	7	8:1
40	25	17	8	10:1
45	28	21	9	13:1
50	31	26	10	16:1
55	34	35	11	19:1
60	37	43	12	23:1
65	40	52	13	27:1
70	43	62	14	32:1
75	47	75	15	47:1
80	50	85	16	50:1
85	53	98	17	53:1
90	56	110	18	56:1

ROAD CLOSED NOTES:

1. ONLY ONE DETOUR SHALL BE PERMITTED AT A TIME ON THE PROJECT.

PATH: Q:\jnu\68181\Planseal\TrafficCont.dwg Tue, 03/Jul/01 02:48PM Michael Limbaugh PLOT: PSPACE 1=(F) OR MSPACE 1=(F)		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
JUNEAU OLD DAIRY ROAD AND GLACIER HIGHWAY TRAFFIC CONTROL PLAN		
		
7/4 7-30-03 DESIGNED BY: Ken Mattson		
CHECKED BY: Michael Lukshin DRAWN BY: MICHAEL LIMBAUGH		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION JUNEAU OLD DAIRY ROAD AND GLACIER HIGHWAY		
PROJECT DESIGNATION NUMBER		
STP - 0920(19) / 6760		
STATE		YEAR
ALASKA		2001
SHEET NUMBER		TOTAL SHEETS
20		

BEGIN PROJECT 68181
GLACIER HIGHWAY
*STA. "GN" 1+043.500 P.O.T. BK=
STA. "GH" 1+038.379 P.O.T. AHD
MATCH EXISTING

END PROJECT 68181
GLACIER HIGHWAY
STA. "GH" 1+630.211 P.O.T.
MATCH EXISTING

END PROJECT 68181
OLD DAIRY ROAD
STA. "OD" 1+926.214 P.O.C. BK=
*STA. "D" 1+067.814 P.O.C. AHD
MATCH EXISTING

BEGIN PROJECT 68181
OLD DAIRY ROAD
STA. "OD" 1+000.000 P.O.C.
MATCH EXISTING

LEGEND
= TEMPORARY CHECK DAM
= FLOW
= SILT FENCE

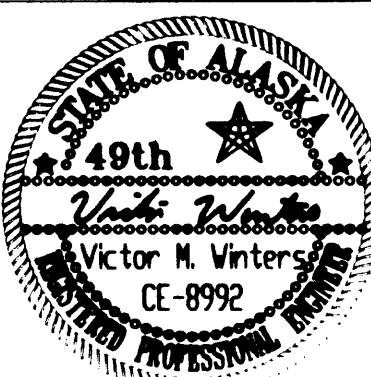
NOTE: SEE 641-2.01 FOR STORM
WATER POLLUTION PREVENTION
PLAN (SWPPP) REQUIREMENTS.

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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

JUNEAU
OLD DAIRY ROAD AND
GLACIER HIGHWAY
**EROSION & SEDIMENT
CONTROL**

7/1 7-50-03
DESIGNED BY: CHUCK HAKARI



CHECKED BY: VICTOR M. WINTERS
DRAWN BY: MICHAEL LIMBAUGH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

**JUNEAU
OLD DAIRY ROAD
AND
GLACIER HIGHWAY**

PROJECT DESIGNATION NUMBER
STP - 000S(380)/68181

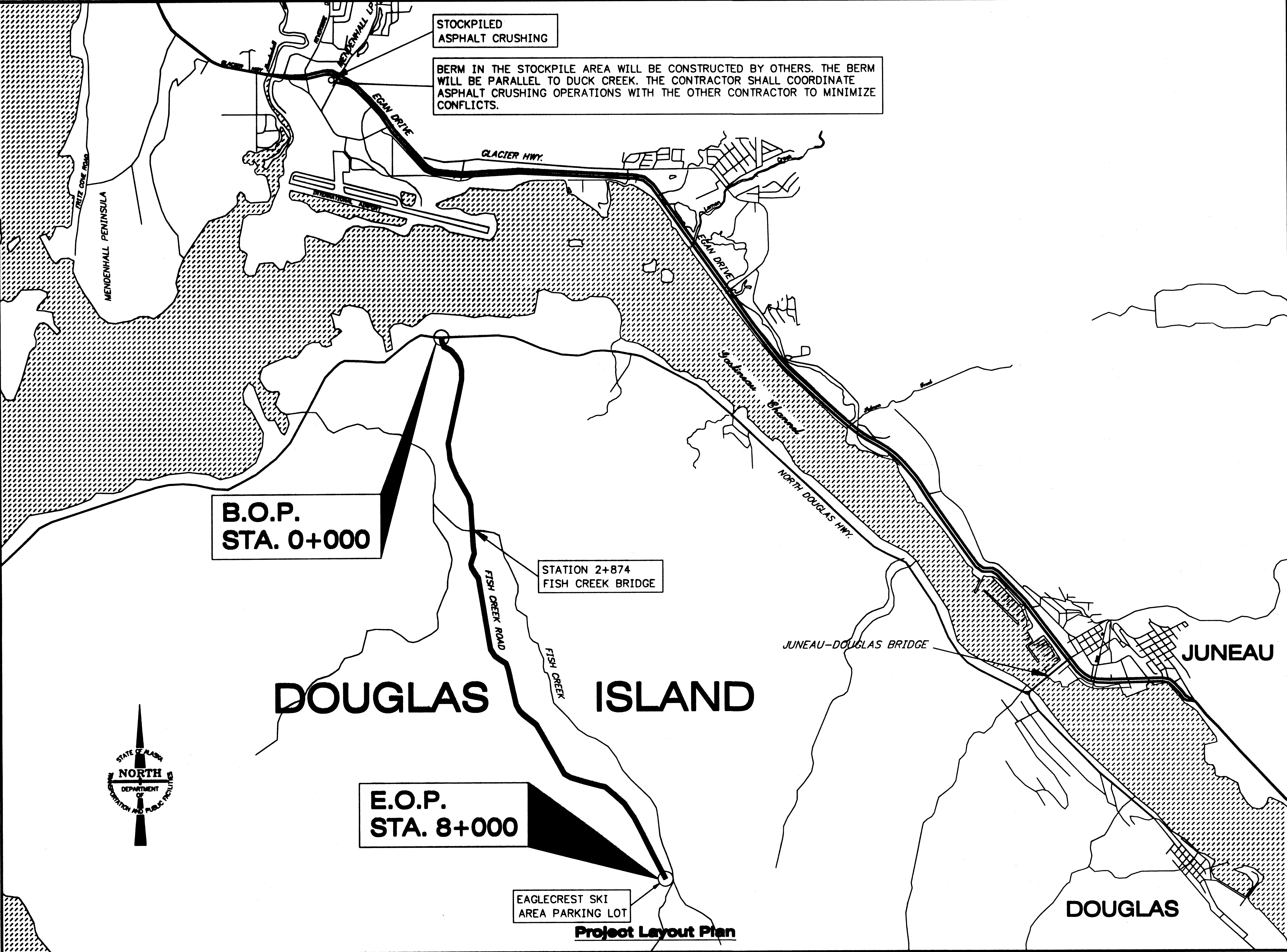
STATE	YEAR
ALASKA	2001
SHEET NUMBER	TOTAL SHEETS
21	

**Department of Transportation
and Public Facilities
Statewide Design and Engineering Services Division**



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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION	
 <i>Approved 1-14-05</i>	
RECOMMENDED FOR APPROVAL:	
REGIONAL PRE-CONSTRUCTION ENGINEER	DATE
APPROVED:	
DIRECTOR, CONSTRUCTION & MAINTENANCE	
DATE	
CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:	
CONSTRUCTION PROJECT MANAGER	DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0953(1)-68118	2001	22	29

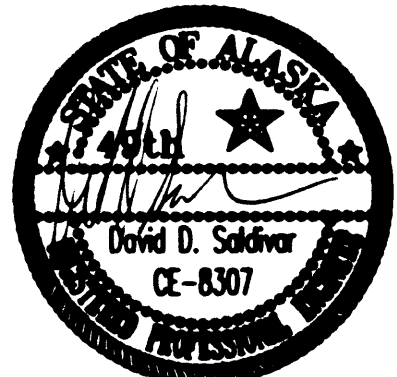


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TAB: PLAN
ADDENDUM NUMBER
ATTACHMENT NUMBER
RECORD OF REVISIONS
No. DATE DESCRIPTION

JNU-FISH CREEK ROAD
OVERLAY
PROJECT NO. 88118

Project Layout Plan

DESIGNED BY: D. SALDIVAR



CHECKED BY: D. SALDIVAR
DRAWN BY: T.M./R.S.
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION
JNU-FISH CREEK ROAD
OVERLAY
PROJECT NO. 88118
Project Layout Plan
PROJECT DESIGNATION NUMBER
STP-0953(1)

STATE	YEAR
ALASKA	2001
SHEET NUMBER	TOTAL SHEETS
23	29

GENERAL NOTES:

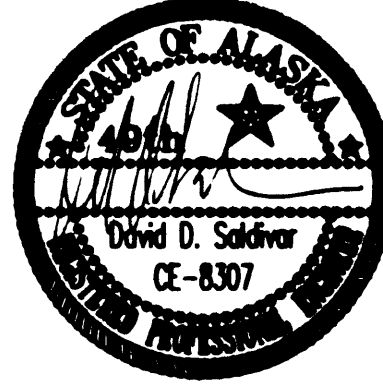
1. STRAW BALES, CLEAN GRAVEL AND GEOTEXTILE FOR SEDIMENT CONTROL SHALL BE KEPT ON HAND FOR USE AS NEEDED.
2. PAVEMENT MARKINGS SHALL BE MADE WITH METHYL METHACRYLATE
3. THE HORIZONTAL AND VERTICAL CONTROL IS BASED UPON THE EXISTING ROADWAY ALIGNMENT. THE FINISH ASPHALT SHALL BE 65mm ABOVE EXISTING PAVEMENT SURFACE FOR TYPICAL SECTION NO. 1 AREAS AND APPROXIMATELY 150 mm FOR TYPICAL SECTION NO. 2 AREAS.
4. GRADES AND ALIGNMENT ARE APPROXIMATE AND SUBJECT TO REVISIONS BY THE PROJECT ENGINEER.
5. STATIONING IS BASED ALONG ROADWAY SLOPE DISTANCE.
6. HORIZONTAL CURVES LOCATED IN THE RECONSTRUCTION AREAS AS SHOWN IN TYPICAL SECTION NO. 2 SHALL BE CONSTRUCTED WITH SUPERELEVATION WITH A MINIMUM 40m TRANSITION. CRUSHED ASPHALT PAVEMENT SHALL BE USED FOR CONSTRUCTING THE SUPERELEVATION SLOPES.
7. LANE WIDTH MAY VARY.
8. CONTRACTOR SHALL REFERENCE THE CENTERLINE OF PAVED ROADWAY PRIOR TO ANY CONSTRUCTION ACTIVITIES. CENTERLINE OF ROADWAY SHALL BE ONE HALF THE DISTANCE BETWEEN THE EDGE OF PAVEMENT.
9. COLD PLANING EQUIPMENT SHALL BE LIMITED TO SMALL GRINDER SUCH AS HANDHELD TYPE OR BOBCAT MOUNTED TYPE TO MINIMIZE DAMAGE TO THE UNDERLYING PAVEMENT.
10. SILT FENCE SHALL BE INSTALLED ALONG BOTH SIDES OF FISH CREEK BRIDGE TO AVOID DEBRIS FROM ENTERING THE STREAM DURING COLD PLANING OPERATIONS. THE BOTTOM OF SILT FENCE SHALL BE SECURED TO AVOID ANY MATERIAL FROM ENTERING THE STREAM.

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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

JNU-FISH CREEK ROAD
OVERLAY
PROJECT NO. 68118

Typical Sections

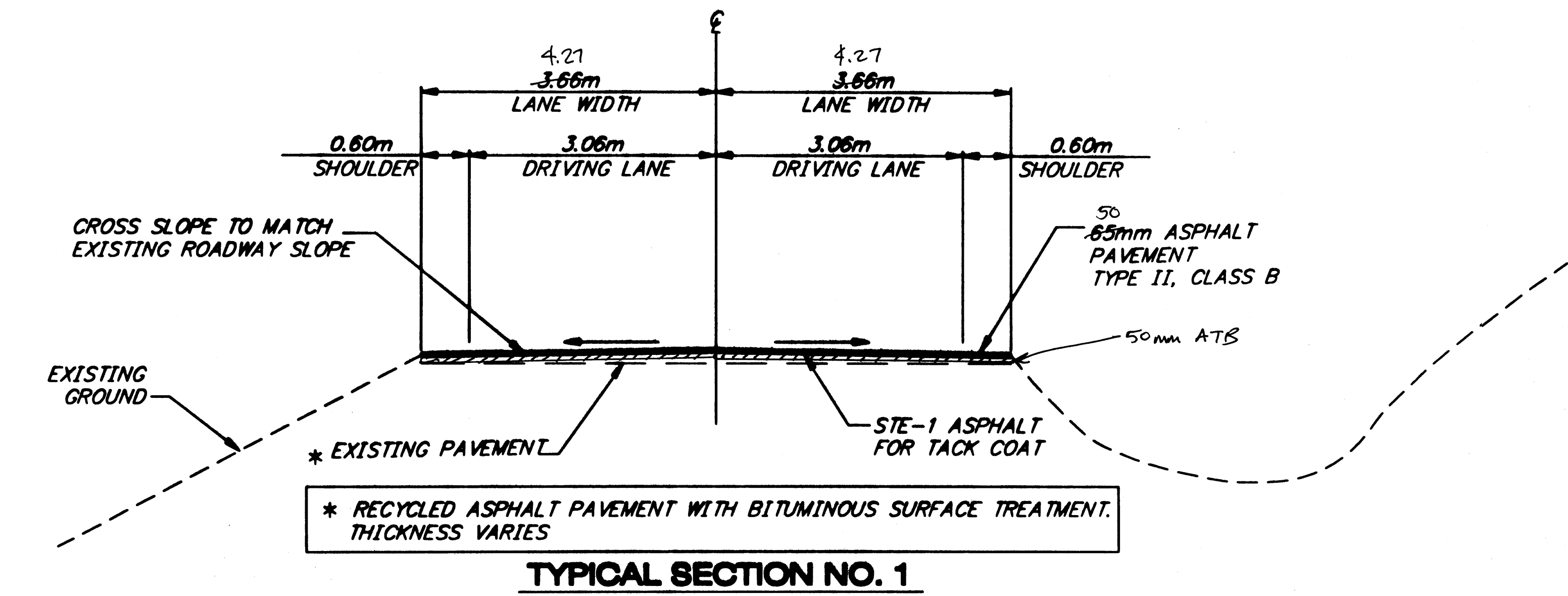
T# 7-30-03
DESIGNED BY: D. SALDIVAR



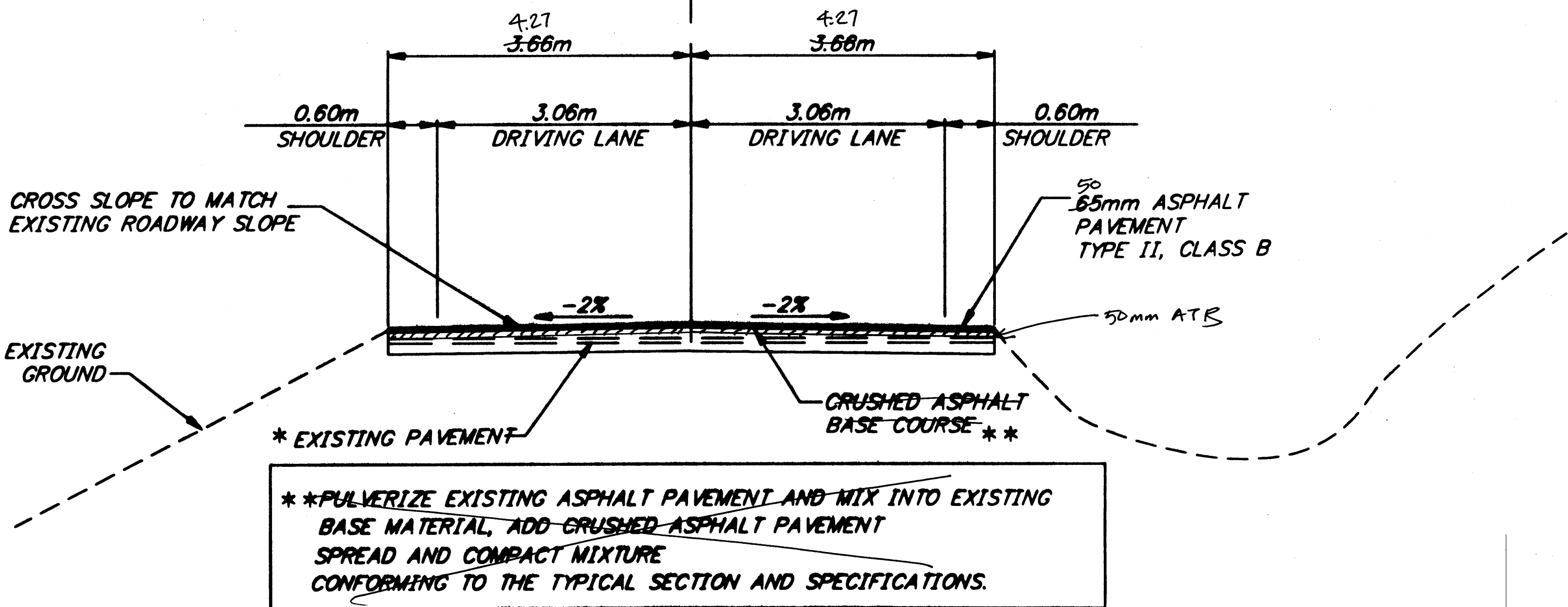
CHECKED BY: D. SALDIVAR
DRAWN BY: T.M./R.S.
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION
JNU-FISH CREEK ROAD
OVERLAY
PROJECT NO. 68118

Typical
Sections

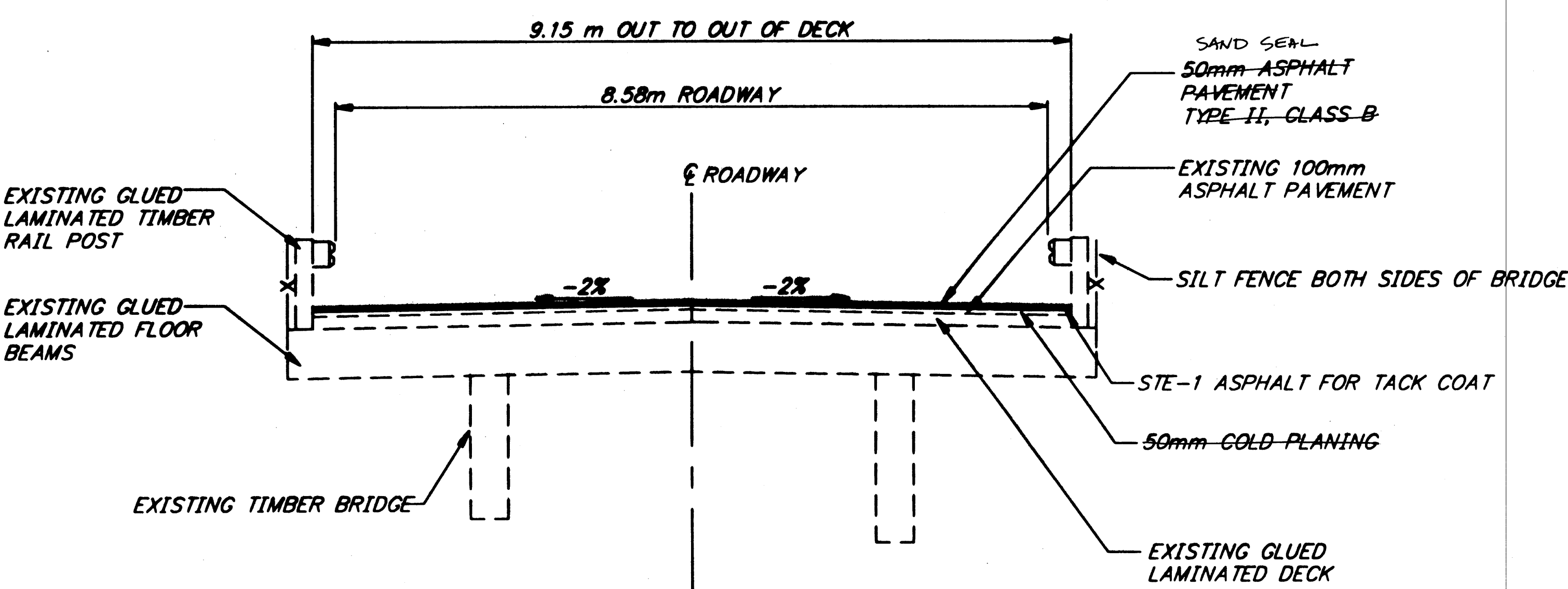
PROJECT DESIGNATION NUMBER	
STP-0953(1)	
STATE	YEAR
ALASKA	2001
SHEET NUMBER	TOTAL SHEETS
24	29



TYPICAL SECTION NO. 1



TYPICAL SECTION NO. 2



TYPICAL SECTION NO. 3

TYPICAL SECTION

TYPICAL SECTION NO.	STATION		INTERVAL (ft)	REMARKS
	BEGIN	END		
1	0+00	0+080	80	
2	0+080	0+338	258	
1	0+338	1+610	1272	
2	1+610	2+334	724	
1	2+334	2+576	242	
2	2+576	2+844	268	
3	2+844	2+903	59	BRIDGE
2	2+903	3+220	317	
1	3+220	4+330	1110	
2	4+330	4+507	177	
1	4+507	4+668	161	
2	4+668	5+393	725	
1	5+393	5+715	322	
2	5+715	6+359	644	
1	6+359	7+083	724	
2	7+083	8+000	917	END ROADWAY

ESTIMATE OF QUANTITIES				
PAY ITEM	UNIT	PERMITS/REPAIRS OVERLAY FIG. NO. 00110	PAVING/ASPH OVERLAY FIG. NO. 0009	TOTALS
304(0) ASPHALT TREATED BASE C.O.4	MEGAGRAM	0.210.12		
304(1) CRUSHED ASPHALT BASE COURSE DELETED C.O.6	SQ. METER	28,000	6	
310(2) CRUSHED ASPHALT PAVEMENT MAINTENANCE-FISH CREEK RD.	C.M.Y.M.	3,000	3614.23	
316(3) ASPHALT MATERIAL PG 64-22 or PG 58-22, C.O.4	MEGAGRAM		247.23	
401(1) ASPHALT CONCRETE, TYPE II, CLASS B	MEGAGRAM	8,900	8,165.03	1816.0
401(2) ASPHALT CEMENT, GRADE PG 58-22	MEGAGRAM	330	400.37	90.24
401(0) PAVEMENT PATCHING ITEM NOT USED.	SQ. METER	700	0	
304(2A) ASPHALT MATERIAL PG 52-28, C.O.4	MEGAGRAM		105.47	
402(1) STE-1 ASPHALT FOR TACK COAT	MEGAGRAM	15	14.46	0.21
401(1A) ASPHALT HYDRA INCREASE C.O.2	MEGAGRAM		401.03	
013(1) STANDARD SIGN	SQ. METER	24,814	1506	
013(0) DELINEATOR, FLEXIBLE	EACH	850	240	
203(0) EXTRA GRADE PREPARATION, C.O.5	LUMP SUM	ALL REQ'D.		
203(0) SHOULDER GRADING, C.O.6	LUMP SUM	ALL REQ'D.		
040(1) MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D.		
041(2) EROSION AND POLLUTION CONTROL	CONTINGENT BUDGET	ALL REQ'D.		
040(1) CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D.		
040(0) SAND SEAL, C.O.6	LUMP SUM	ALL REQ'D.		
043(1) TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D.		
070(10) METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQ'D.		

SIGN SUMMARY												
No.	STATION	OFFSET		TYPE	FACING TRAFFIC	SIGN LEGEND	SIZE (mm)		ASPA (SQ. M)	POST SIZE	POST TYPE	REMARKS
		LEFT	RIGHT				WD	HT				
1	0+000	X		R1-1	NB	STOP	762	762	0.581	-	-	Salvage and Replace
2	0+010		X	SPECIAL	SB	Adapt A Highway	914	457	0.418	-	-	Salvage and Replace
			X	SPECIAL		Eckankar of Alaska	914	152	0.139	-	-	Salvage and Replace
3	0+040		X	SPECIAL		Chairs or Four Wheel Drive Required	1219	762	0.929	-	-	See Detail
4	0+170	X		W3-1	NB	Stop Ahead	914	914	0.836	-	-	Salvage and Replace
5	0+290		X	R2-1	SB	Speed Limit 35	762	914	0.697	-	-	Salvage and Replace
6	0+290	X		W1-2R	NB	Curve Warning (Right)	914	914	0.836	-	-	Salvage and Replace
7	0+290	X		W1-1	NB	15 MPH	610	610	0.372	-	-	Salvage and Replace
8	0+400		X	R16-3	SB	No Shooting Within 1/4 mile	1372	762	1.045	-	-	Salvage and Replace
9	0+480		X	W7-1	SB	HW (Symbol)				-	-	Remove Sign
10	0+808	X		M10-2	NB/SB	Mile Marker: 1	152	203	0.062	50	PST	New Mile Marker (2 markers back to back)
11	1+850		X	R2-1	SB	Speed Limit 25	762	914	0.697	63	PST	New Sign
12	1+850	X		R2-1	NB	Speed Limit 35	762	914	0.697	63	PST	New Sign
13	2+720	X		W7-1	NB	HW	914	914	0.836	-	-	Salvage and Replace
14		X		Plaque	NB	HW (Legend)	762	914	0.697	-	-	Salvage and Replace
15	2+805		X	I-3	SB	Fish Creek	914	610	0.557	-	-	New Sign
16	2+810		X	OM-3R	SB	Object Marker	305	914	0.279	-	-	Salvage and Replace
17	2+810	X		OM-3L	NB	Object Marker	305	914	0.279	-	-	Salvage and Replace
18	2+810		X	OM-3R	SB	Object Marker	305	914	0.279	-	-	Salvage and Replace
19	2+810	X		OM-3L	NB	Object Marker	305	914	0.279	-	-	Salvage and Replace
20	2+810	X		I-3	NB	Fish Creek				-	-	Remove Sign
21	2+815	X		I-3	NB	Fish Creek	914	610	0.557	63	PST	New Sign and Location (Replaces #19)
22	3+219	X		M10-2	NB/SB	Mile Marker: 2	152	203	0.062	50	PST	New Mile Marker (2 markers back to back)
23	3+260		X	W5-2L	SB	Curve Warning (Left)	914	914	0.836	-	-	Salvage and Replace
24			X	W5-1	SB	15 MPH	610	610	0.372	-	-	Mount Below #21
25	3+410		X	W7-1	SB	HW (Symbol)				-	-	Remove Sign
26	3+410	X		W5-2R	NB	Curve Warning (Right)	914	914	0.836	63	PST	New Sign Location (Replaces #26)
27		X		W5-1	NB	15 MPH	610	610	0.372	-	-	Mount Below #24
28	3+440	X		W1-2R	NB	Curve Warning (Right)				-	-	Remove Sign
29	4+040		X	R2-1	SB	Speed Limit 35	762	914	0.697	-	-	Salvage and Replace
30	4+120	X		R2-1	NB	Speed Limit 35	762	914	0.697	-	-	Salvage and Replace
31	4+370	X		W7-1	NB	HW	914	914	0.836	-	-	Salvage and Replace
32		X		Plaque	NB	HW (Legend)	762	914	0.697	-	-	Salvage and Replace
33	4+828	X		M10-2	NB/SB	Mile Marker 3	152	203	0.062	50	PST	New Mile Marker (2 markers back to back)
34	5+330		X	W1-2L	SB	Curve Warning (Left)	914	914	0.836	-	-	Salvage and Replace
35			X	W1-1	SB	15 MPH	610	610	0.372	-	-	Mount Below #31
36	5+550	X		W1-2R	NB	Curve Warning (Right)	914	914	0.836	-	-	Salvage and Replace
37		X		W1-1	NB	15 MPH	610	610	0.372	-	-	Mount Below #33
38	6+437	X		M10-2	NB/SB	Mile Marker 4	152	203	0.062	50	PST	New Mile Marker (2 markers back to back)
39	6+550	X		W1-2R	NB	Curve Warning (Right)	914	914	0.836	-	-	Salvage and Replace
40				W5-1	NB	15 MPH	610	610	0.372	-	-	Mount Below #35
41	7+850	X		R2-1	NB	Speed Limit 35	762	914	0.697	-	-	Salvage and Replace
42	7+870	X		Special		Chairs or Four Wheel Drive Required	1219	762	0.929	-	-	See Detail
43	8+000	X		Special	NB/SB	Mile Marker 5	152	203	0.062	50	PST	New Mile Marker (2 markers back to back)

BASIS OF QUANTITIES	
PAY ITEM	ESTIMATING FACTOR
401(1) ASPHALT CONCRETE PAVEMENT	0.0025 mg/m ² per mm
401(2) ASPHALT CEMENT, GRADE PG 64-28	5.5% OF 401
402(1) STE-1 ASPHALT FOR TACK COAT	0.45 L/m ² , 1000 L/mg

GENERAL NOTES	
1.	THE ENGINEER WILL ESTABLISH THE EXACT BEGINNING AND ENDING SEGMENTS FOR CHANGES IN THE TYPICAL SECTION CONSTRUCTION. TRANSITIONS BETWEEN TYPICAL SECTION CHANGES SHALL BE MADE SMOOTHLY AS APPROVED BY THE ENGINEER.
2.	NO LONGITUDINAL PAVEMENT JOINTS WILL BE ALLOWED IN THE DRIVING LANE OR WHEEL PATHS.
3.	PAVING SHALL BE CONTINUOUS ACROSS ALL BRIDGES.
4.	IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SET CONTROL FOR PAVING AND PAINTED TRAFFIC MARKINGS.
5.	DEBRIS FROM THE PROJECT SHALL NOT BE PERMITTED TO ENTER FISH STREAMS, WETLANDS OR OTHER WATERS ADJACENT TO THE PROJECT WORK AREAS. THE CONTRACTOR SHALL REMOVE MATERIALS FROM ROADWAY SURFACE IN SUCH A MANNER THAT DEBRIS IS CONTAINED WITHIN THE SLOPE LIMITS.
6.	CONTRACTOR SHALL INSTALL NEW SIGNS AND FLEXIBLE DELINEATORS AT LOCATIONS DETERMINED BY THE ENGINEER.
7.	ALL EXISTING SIGNS WITHIN PROJECT LIMITS SHALL BE REMOVED AND SALVAGED. SALVAGED SIGNS SHALL BE DELIVERED TO DOT&P MAINTENANCE YARD AT 7.5 MILE GLACIER HIGHWAY, JUNEAU, ALASKA.
8.	WORK ITEMS REQUIRED BY THE PLANS AND SPECIFICATIONS NOT LISTED IN THE BID SCHEDULE WILL BE CONSIDERED SUBSIDIARY.

JUN-FISH CREEK ROAD
OVERLAY
PROJECT NO. 08118

Estimate of Quantities
& Sign Summary

7/1 7.90-03

DESIGNED BY: D. SALDIVAR



CHECKED BY: D. SALDIVAR

DRAWN BY: T.M./R.S.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION
JUN-FISH CREEK ROAD
OVERLAY
PROJECT NO. 08118

Estimate of Quantities
& Sign Summary

PROJECT DESIGNATION NUMBER
STP-0953(1)

STATE	YEAR
ALASKA	2001
SHEET NUMBER	TOTAL SHEETS
26	29

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JNU-FISH CREEK ROAD
OVERLAY
PROJECT NO. 68118

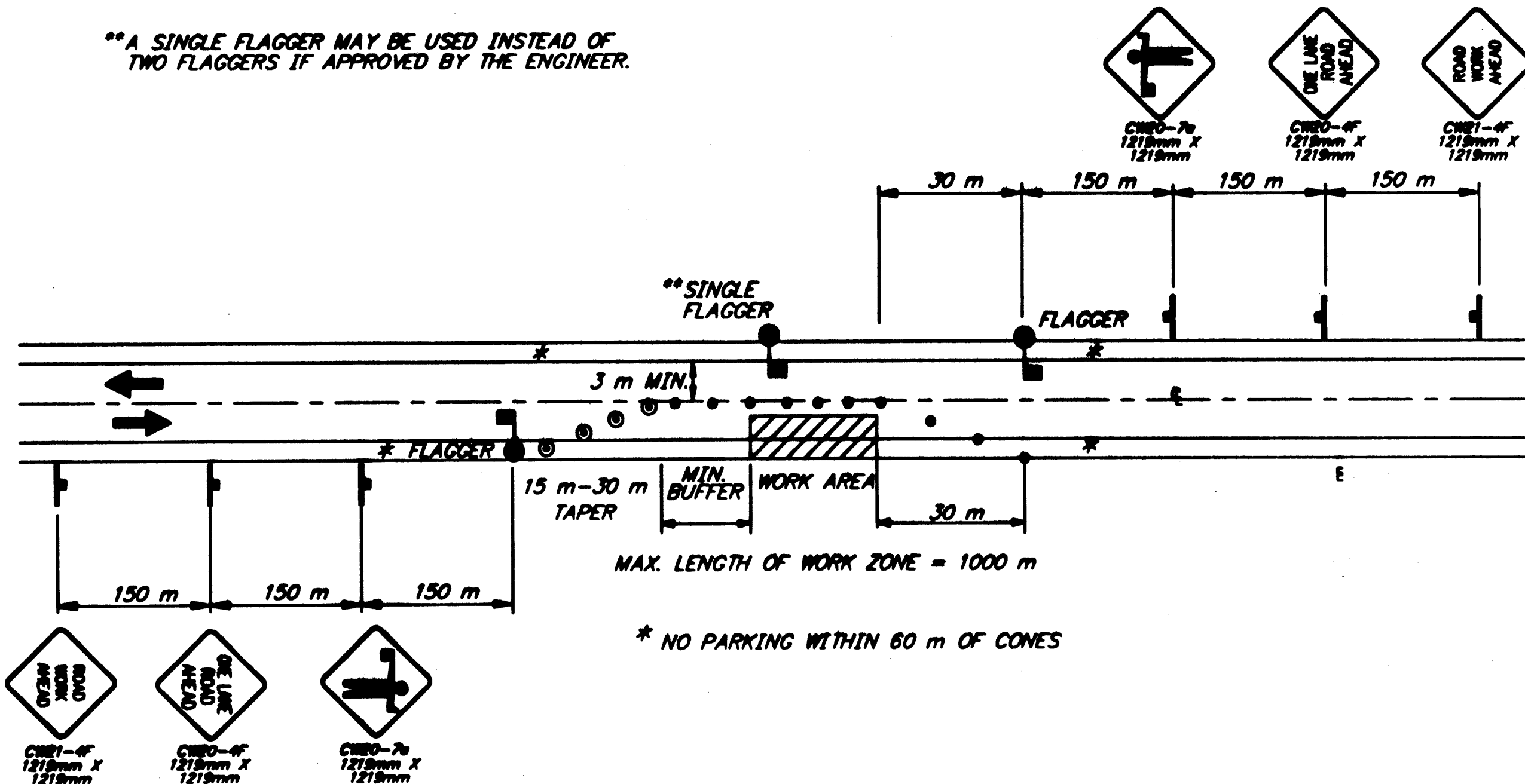
7/4 7.30-03
DESIGNED BY: D. SALDIVAR



CHECKED BY: D. SALDIVAR
DRAWN BY: J.M./R.S.
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION
JNU-FISH CREEK ROAD
OVERLAY
PROJECT NO. 68118
Estimate of Quantities & Sign Summary
PROJECT DESIGNATION NUMBER
STP-0953(1)

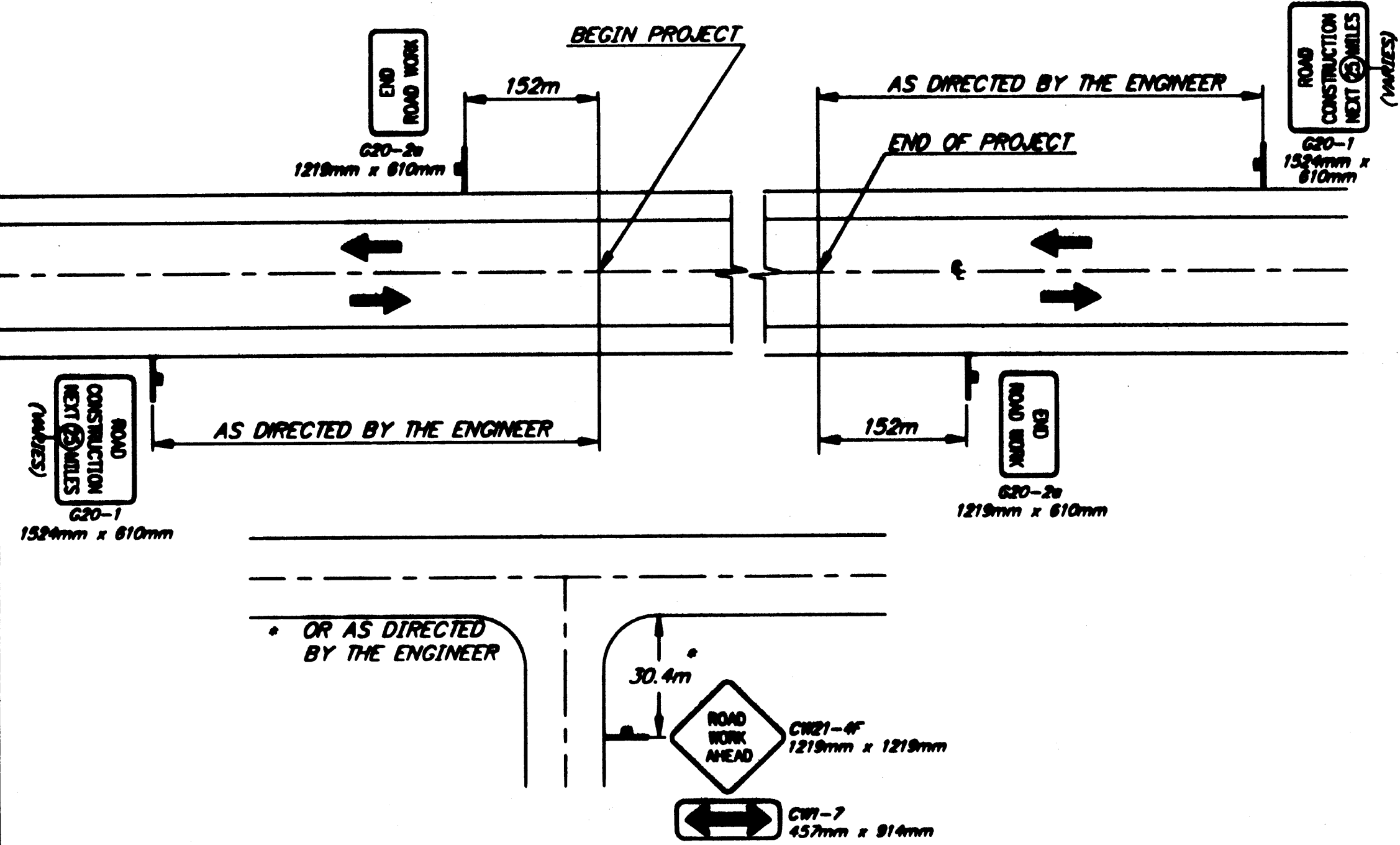
STATE	YEAR
ALASKA	2001
SHEET NUMBER	TOTAL SHEETS
26	29

** A SINGLE FLAGGER MAY BE USED INSTEAD OF TWO FLAGGERS IF APPROVED BY THE ENGINEER.



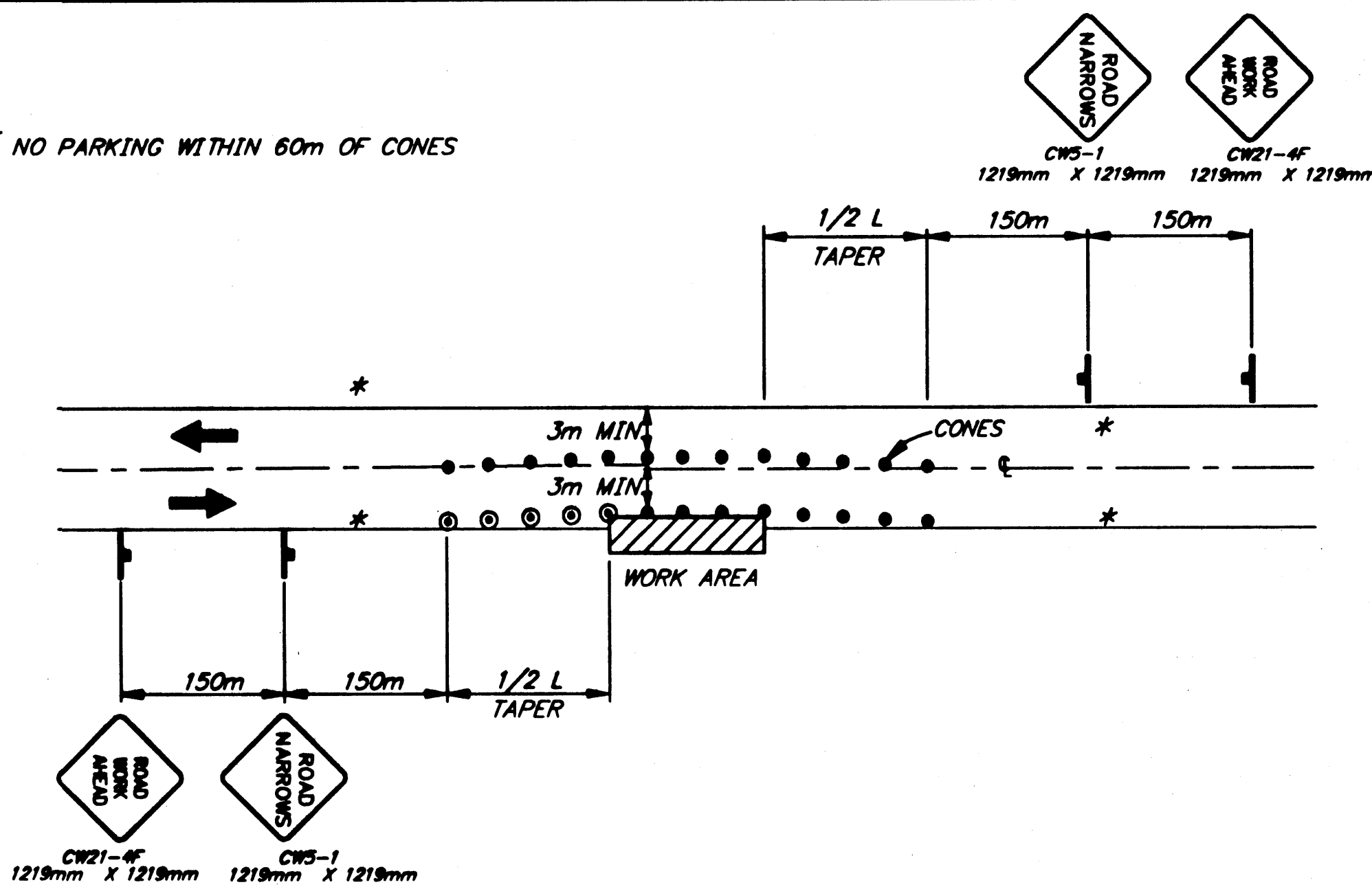
SINGLE LANE CLOSURE TWO LANE ROAD

NOTE: USE 150m SPACING FOR HIGH SPEED
USE 60m SPACING FOR LOW SPEED



PERMANENT CONSTRUCTION SIGNING

* NO PARKING WITHIN 60m OF CONES



ROADWAY ENCROACHMENT

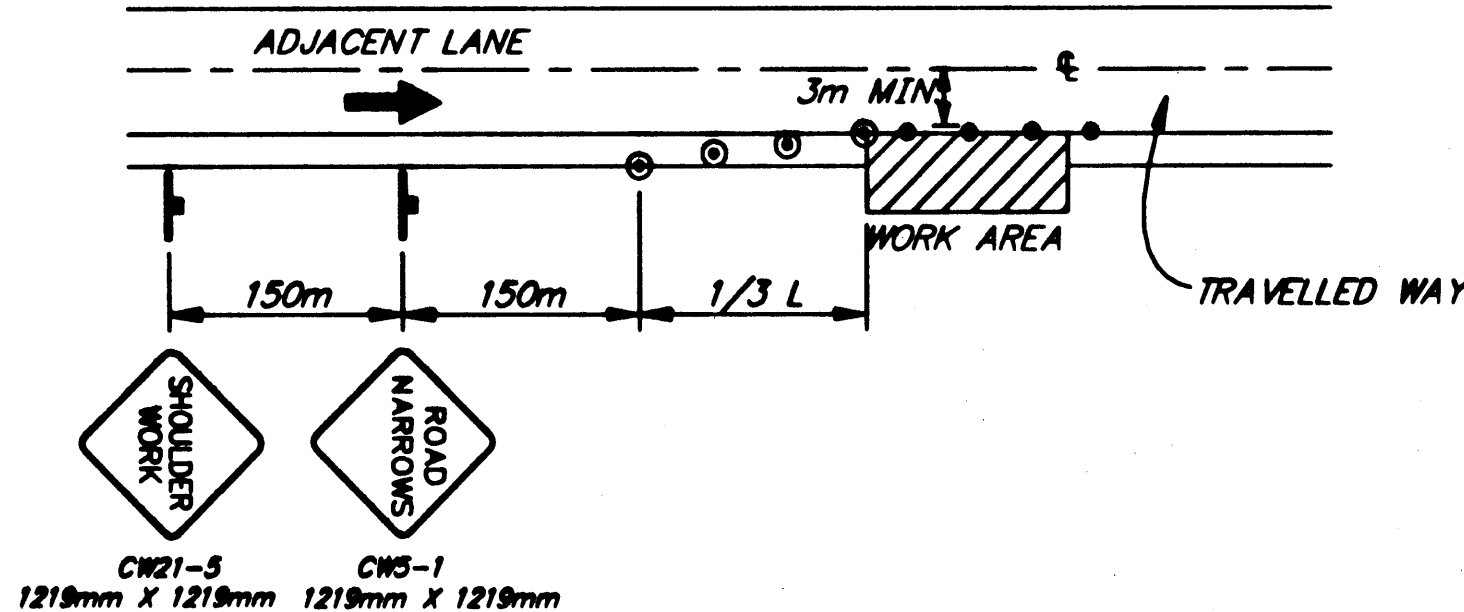
NOTE: 1. IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 3m TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.
2. USE 150m SPACING FOR HIGH SPEED
USE 60m SPACING FOR LOW SPEED

LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION

$L = W \times T$
WHERE:
L = LENGTH OF TAPER
W = WIDTH OF OFFSET
T = TAPER FACTOR

TOP TABLE SETUP				
SPEED (MILES PER HOUR)	SPEED (KILOMETERS PER HOUR)	BUFFER/ CONE/ DRUM LENGTH (m)	TAPER SPACING (m)	TAPER FACTOR (T)
25	16	9	5	4:1
30	19	11	6	4:1
35	22	14	7	8:1
40	25	17	8	10:1
45	28	21	9	13:1
50	31	26	10	16:1
55	34	33	11	18:1
60	37	43	12	23:1
65	40	52	13	27:1
70	43	62	14	32:1
75	47	75	15	47:1
80	50	85	16	50:1
85	53	98	17	53:1
90	56	110	18	56:1



SHOULDER WORK

NOTE: USE 150m SPACING FOR HIGH SPEED
USE 60m SPACING FOR LOW SPEED

TRAFFIC CONTROL NOTES:

- IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATIONS NOT COVERED BY THIS TCP SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER PRIOR TO USE.
- TWO WAY TRAFFIC WILL BE MAINTAINED AT ALL TIMES.
- TRAFFIC LANES SHALL BE A MINIMUM OF 3 METERS WIDE.

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Time: 03/Jul/01 02:54PM
PLOT: Michael Limbourg
PSPACE 1=1(F) OR WSPACE 1=1(F)
TAB: TYPES

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

JNU-FISH CREEK ROAD
OVERLAY
PROJECT NO. 88118

DESIGNED BY: M. LUKSHIN

CHECKED BY: M. LUKSHIN

DRAWN BY: T.M./R.S.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

JNU-FISH CREEK ROAD
OVERLAY
PROJECT NO. 88118

Traffic Control Plan

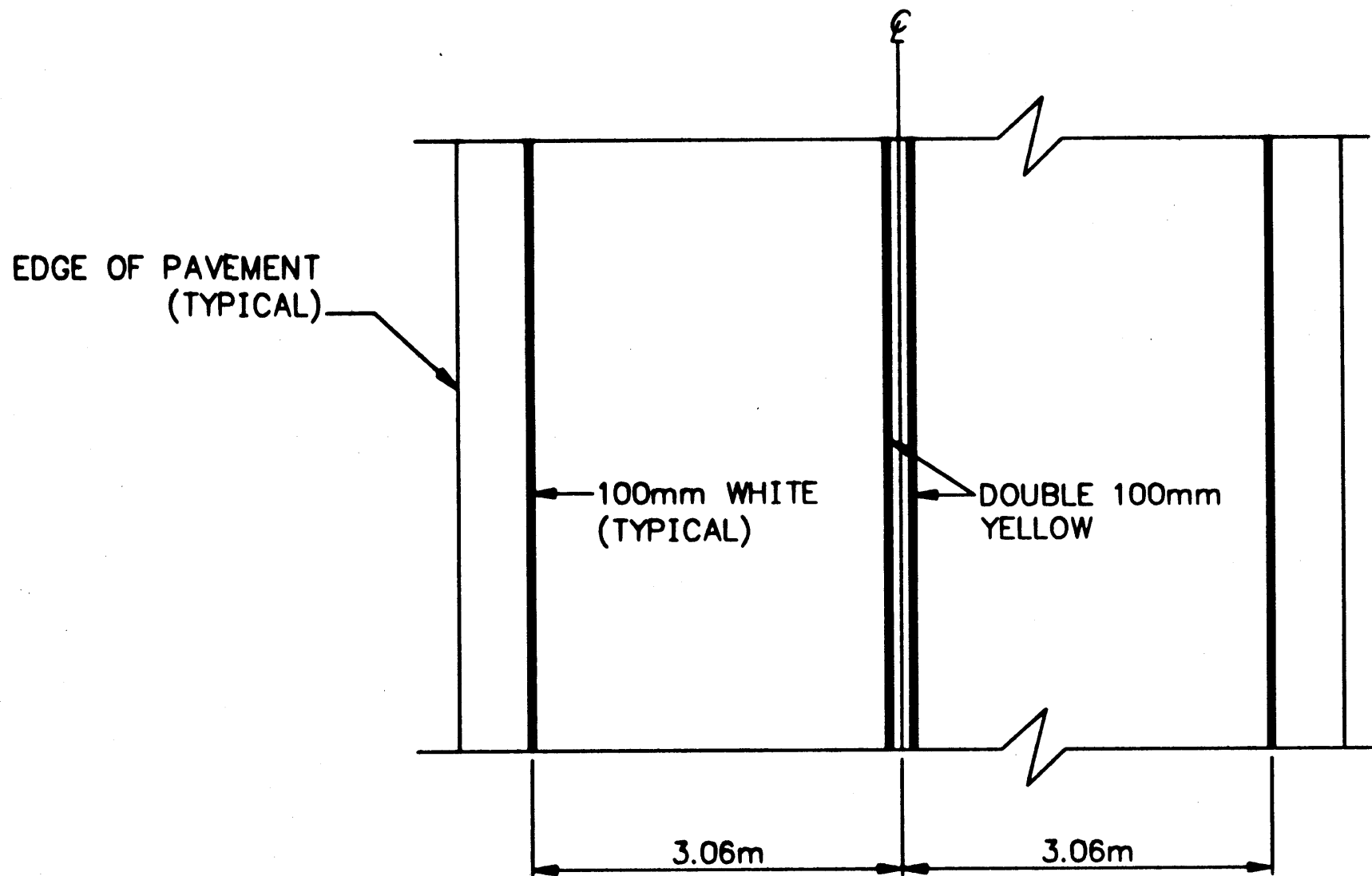
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STP-0953(1)

STATE	YEAR
ALASKA	2001

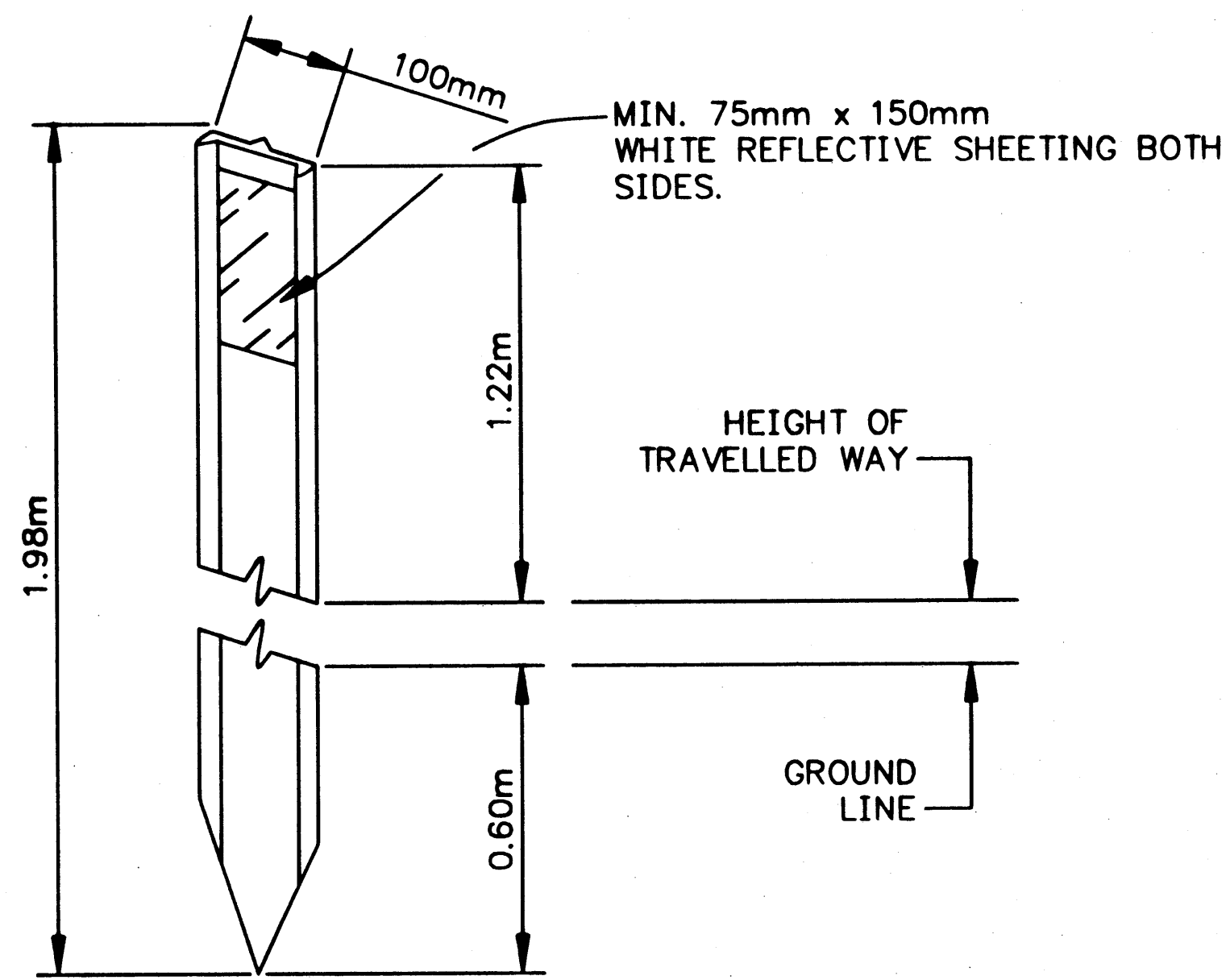
SHEET NUMBER	TOTAL SHEETS
27	29

FLEXIBLE DELINEATOR NOTES:

1. Delineators shall be installed along tangent, at a maximum spacing of 150, on both sides of the roadway between BOP and EOP. Delineators along curves shall be installed conforming to standard drawing T-05.00 (M). Delineators should always be installed at P.C. or P.T. of a curve.
2. Delineators shall not be installed where guardrail is present but guardrail ends shall be marked with delineators.
Guardrail shall be drilled prior to securing delineator with self tapping screws.
3. Delineators shall be white in color.



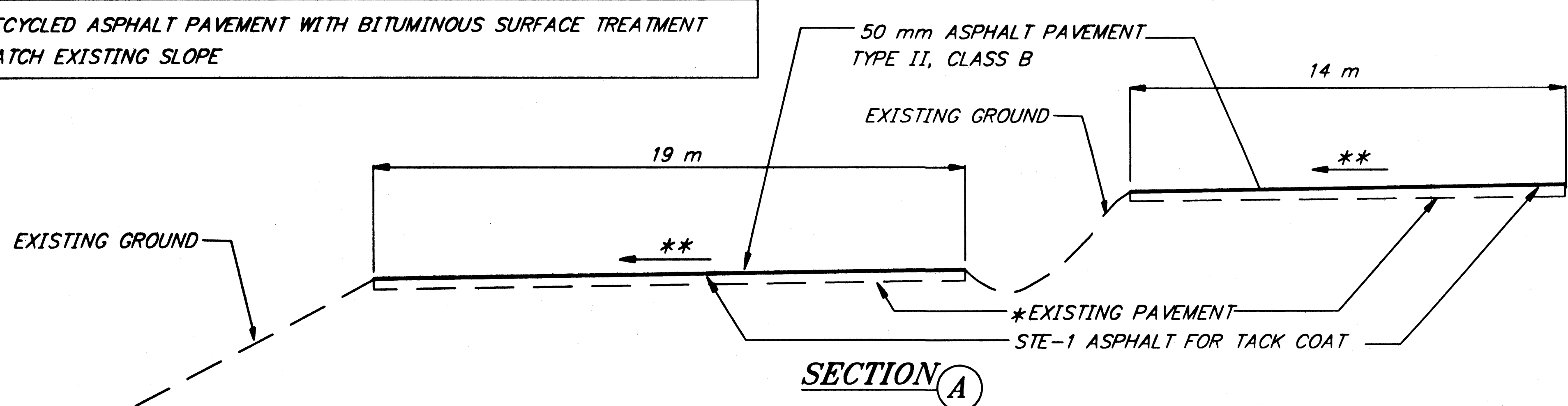
STRIPING DETAIL



FLEXIBLE DELINEATOR DETAIL

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ADDENDUM NUMBER	
ATTACHMENT NUMBER	
RECORD OF REVISIONS	
No.	DATE DESCRIPTION
JNU-FISH CREEK ROAD OVERLAY PROJECT NO. 68118	
Miscellaneous Details	
7/7-30-03	
DESIGNED BY: D. SALDIVAR	
	
CHECKED BY: D. SALDIVAR	
DRAWN BY: T.M./R.S.	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION	
JNU-FISH CREEK ROAD OVERLAY PROJECT NO. 68118	
Miscellaneous Details	
PROJECT DESIGNATION NUMBER	
STP-0953(1)	
STATE	YEAR
ALASKA	2001
SHEET NUMBER	TOTAL SHEETS
28	29

* RECYCLED ASPHALT PAVEMENT WITH BITUMINOUS SURFACE TREATMENT
** MATCH EXISTING SLOPE

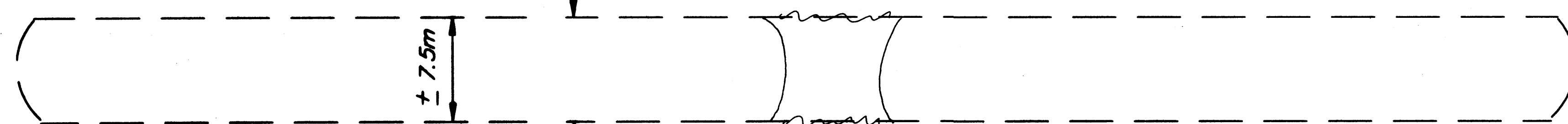


NOTE: CONTRACTOR SHALL REMOVE ANY DEBRIS ON THE EXISTING PAVEMENT SURFACE PRIOR TO PAVEMENT OVERLAY. IT MAY REQUIRE BROOMING, WATERING, OR OTHER METHODS OF CLEANING THE EXISTING PAVEMENT.

SECTION A

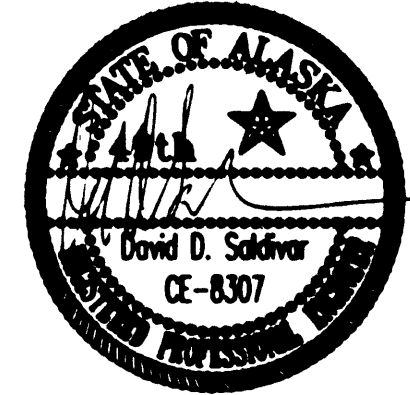
PAVING LIMITS

EAGLECREST
SKI AREA LODGE



± 425 m

PLAN

PATH: Q:\jnu\68118\0\DETAIL2.dwg Tue, 03/04/01 02:55PM Michael Limbourg PLOT: PSPACE 1=1(F) OR MSPACE 1=1(F) TAB: PLAN	
ADDENDUM NUMBER	
ATTACHMENT NUMBER	
RECORD OF REVISIONS	
No.	DATE DESCRIPTION
JNU-EAGLECREST SKI AREA PARKING LOT OVERLAY PROJECT NO. 68265	
TH 7-30-03 DESIGNED BY: D. SALDIVAR	
	
CHECKED BY: D. SALDIVAR DRAWN BY: T.M./R.S.	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES STATEWIDE DESIGN & ENGINEERING SERVICES DIVISION JNU-EAGLECREST PARKING LOT OVERLAY PROJECT NO. 68118 Parking Lot Layout Plan	
PROJECT DESIGNATION NUMBER 68265	
STATE ALASKA	YEAR 2001
SHEET NUMBER 29	TOTAL SHEETS 29

Parking Lot Layout Plan