

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND  
PUBLIC FACILITIES  
SOUTHEAST REGION  
DESIGN AND CONSTRUCTION DIVISION

*JUNEAU, ALASKA*

*DOUGLAS HIGHWAY  
GASTINEAU CHANNEL BRIDGE  
TO  
ST. ANN'S AVE.  
PAVEMENT REHABILITATION*

*STP-0958(11)  
PROJECT NO. 71661*

INDEX OF SHEETS	
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1	<i>TITLE SHEET</i>
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DESIGN DESIGNATION

*JUNEAU DOUGLAS BRIDGE TO CORDOVA STREET*

ADT 1994 .....	9,400
ADT 2004 .....	11,500
DHV .....	1,450
% T .....	3.4%
V .....	30 MPH

*CORDOVA STREET TO ST. ANN'S AVENUE*

ADT 1994 .....	6,700
ADT 2004 .....	8,200
DHV .....	1,050
% T .....	3.4%
V .....	40 MPH

PROJECT SUMMARY

WIDTH OF PAVING.....	VARIES
LENGTH OF PAVING.....	11,832 (2.2 MILES)
LENGTH OF PROJECT.....	11,832 (2.2 MILES)

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

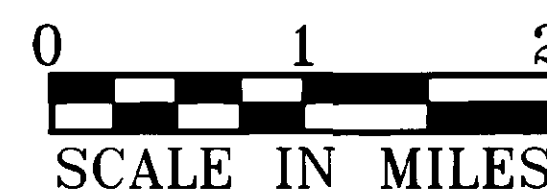
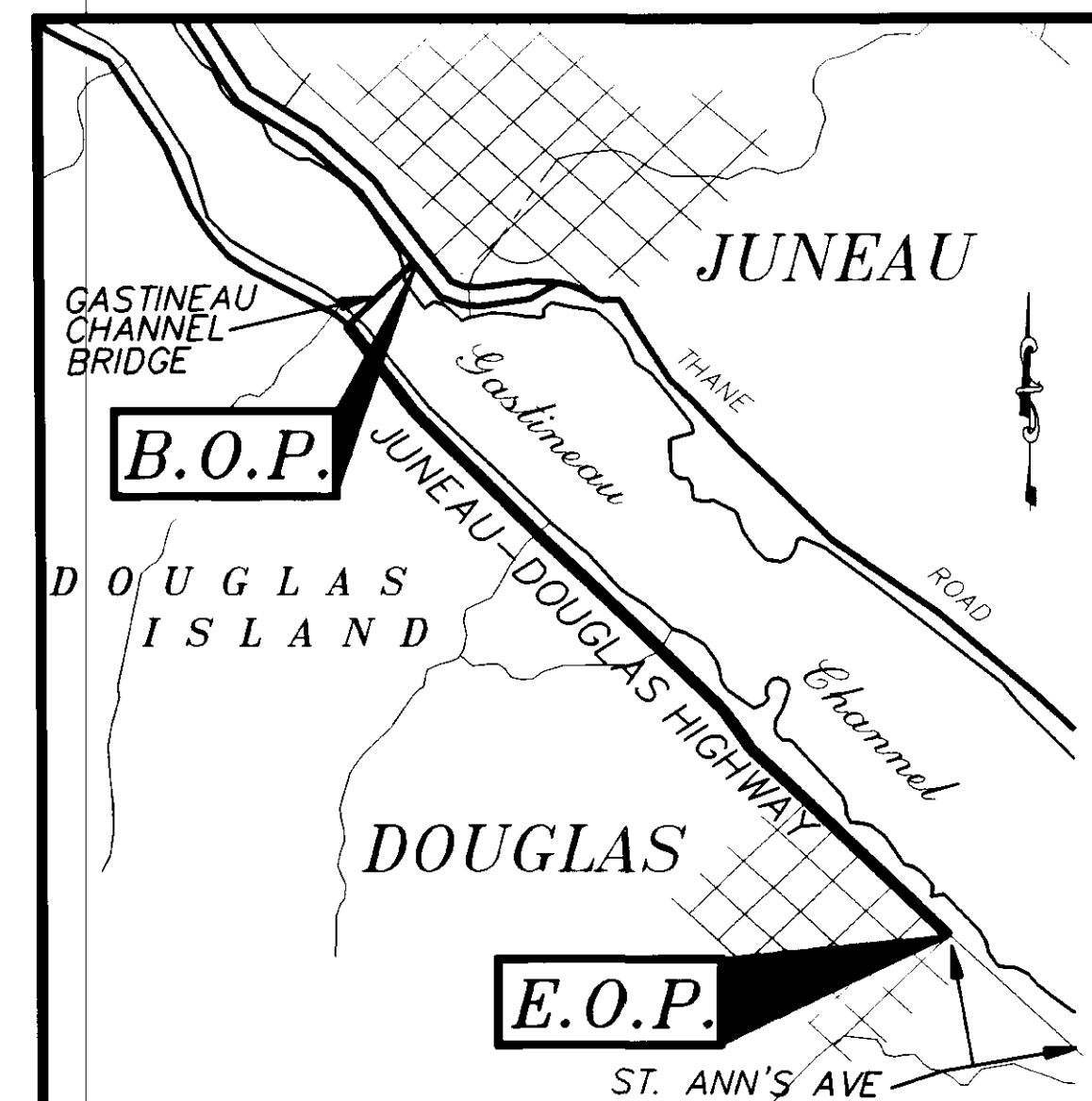
*A-1, C-01.03, C-02.01, C-03.01, C-04.00,  
D-01.02, S-00.00, S-05.00, S-20.00, T-20.00,  
T-21.01, T-22.02*

*EXCEPTIONS TO AASHTO STANDARDS*

<u>VPI Sta.</u>	<u>TYPE</u>	<u>SIGHT DISTANCE</u>	
		<u>EXISTING</u>	<u>AASHTO</u>
84+51	SAG	252	325
84+75	CREST	254	325

AS-BUILT PLANS

Contractor: SECON INC.  
Project Engineer: FRANK MURPHY  
Begin Date: June 2, 1995  
End Date: September 10, 1995



VICINITY MAP

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND  
PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN SECTION

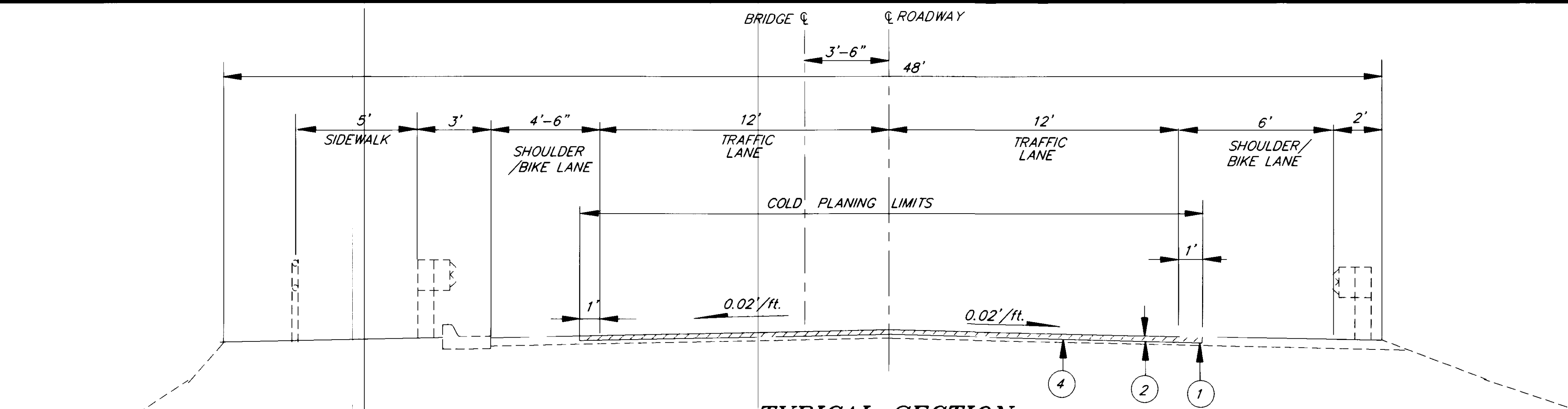
APPROVED Date *3/8/95*  
Regional Preconstruction Engineer

APPROVED Date *3/8/95*  
Director, S.E. Region Design & Construction

PROJECT NUMBER: <b>71661</b>	ENGINEER'S SEAL
DATE: <b>1995</b>	
SHEET <b>1</b> OF <b>21</b>	

**AS-BUILT**  
BY: DATE: *11-96*

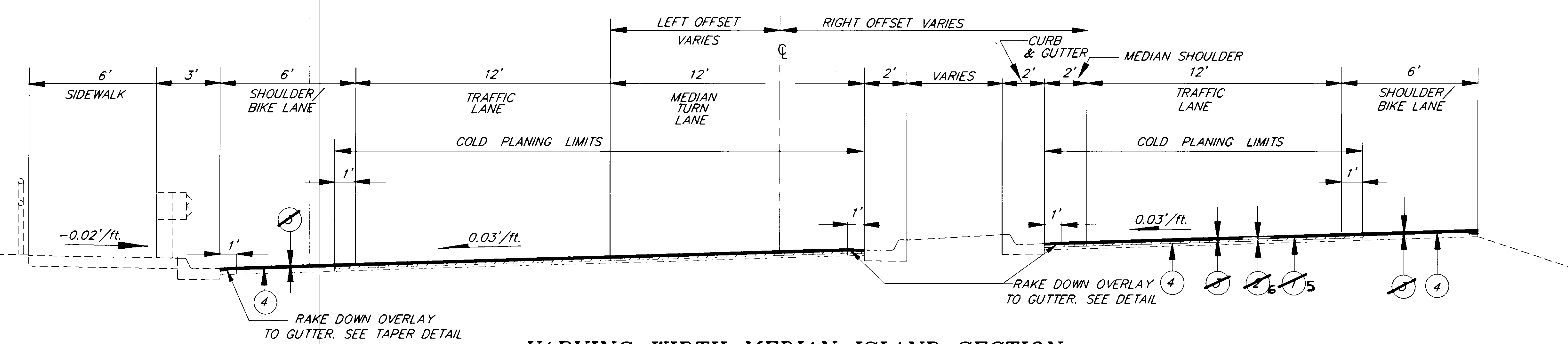
P:\JUNU\71661\DR1\TSH1 - TSH1 - PLO\F-PPR(1).OR.PLO\F-PPR(2).>



LABELING INDEX	
①	1 1/4" COLD PLANING
②	1 1/4" HOT ASPHALT PAVEMENT LEVELING COURSE
③	1 1/2" HOT ASPHALT PAVEMENT OVERLAY
④	STE-1 ASPHALT FOR TACK COAT (UNDER LEVELING COURSE AND UNDER OVERLAY.)

⑤ 1 1/2" COLD PLANING  
⑥ 1 1/2" HOT ASPHALT PAVEMENT

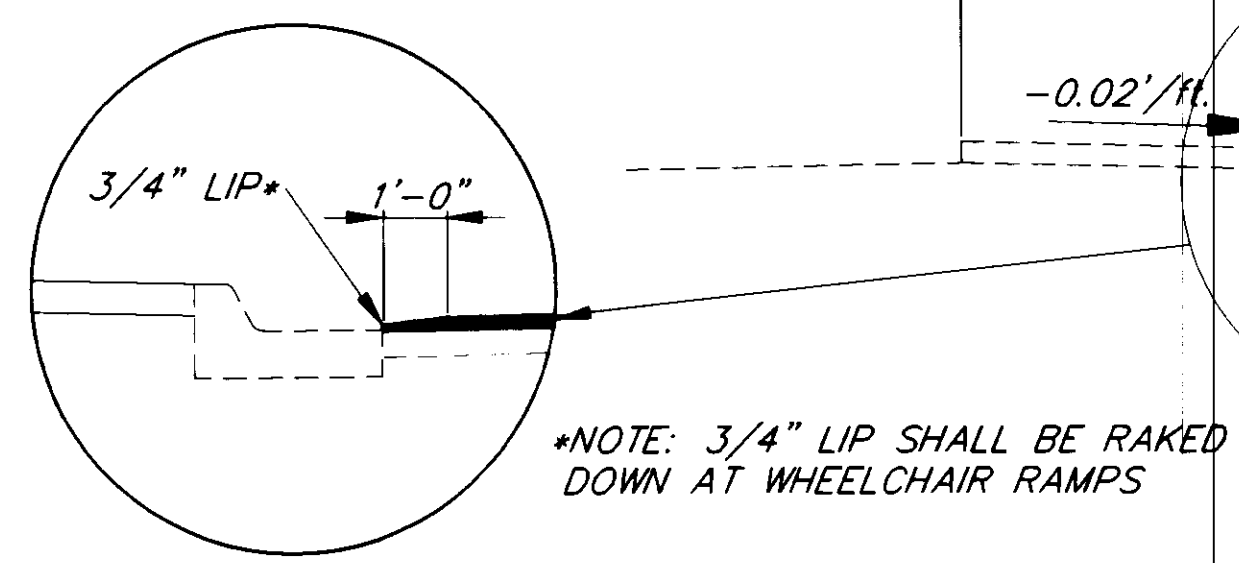
**TYPICAL SECTION**  
STATIONS AS BUILT 14+58 TO AS BUILT 27+75  
(DOUGLAS BRIDGE)



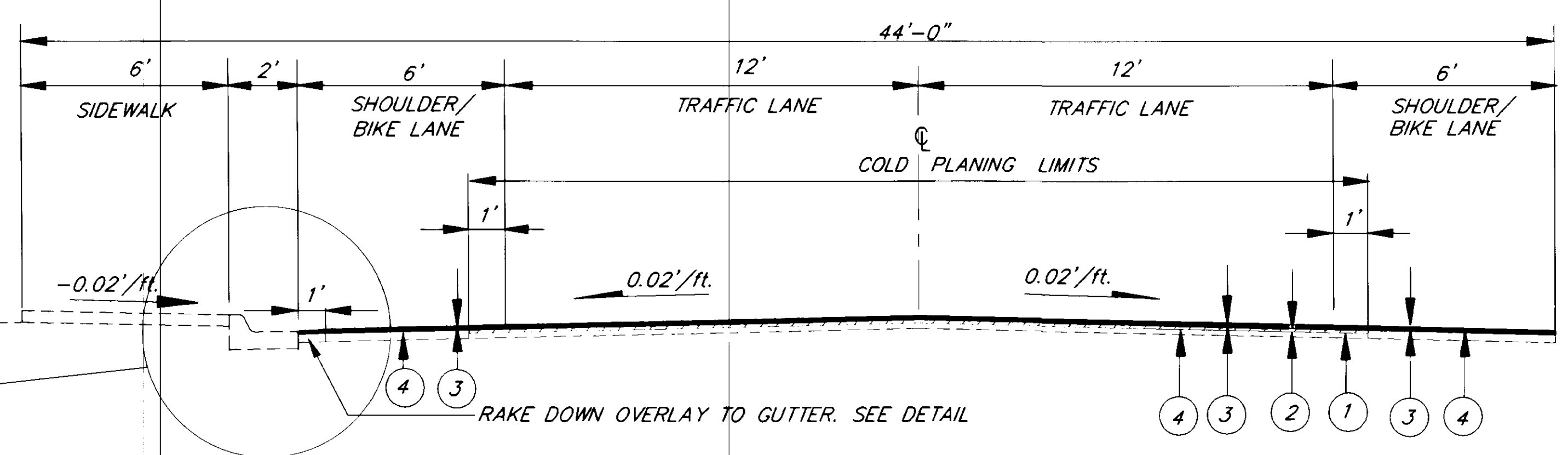
**VARYING WIDTH MEDIAN ISLAND SECTION**  
STATIONS AS-BUILT 27+75 TO AS-BUILT 35+43.79  
(ISLAND & AS-BUILT MEDIAN TURN LANE AS-BUILT WIDTHS IN TRANSITION.)

**GENERAL NOTES**

1. SUPERELEVATION TRANSITION LENGTHS SHALL BE 150'; WITH THE PAVEMENT REVOLVED ABOUT CENTERLINE. A 2% (0.02'/FT.) CONSTANT CROSS SLOPE SHALL BE MAINTAINED BETWEEN STA. "0" 47+68.98 AND STA. "0" 78+20.70.
2. ASPHALT SHALL BE RAKED DOWN SO NO LIP IS EVIDENT IN THE VICINITY OF EXISTING WHEELCHAIR RAMPS.
3. TYPICAL ROADWAY SECTIONS SHALL SMOOTHLY TRANSITION BETWEEN TYPICAL CHANGES ALONG THE PROJECT.



**TAPER DETAIL**



**TYPICAL SECTION**  
STATIONS AS-BUILT 35+43.79 TO AS-BUILT 36+99.88

**AS-BUILT**  
BY: B.A. DATE: 11-96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGE

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

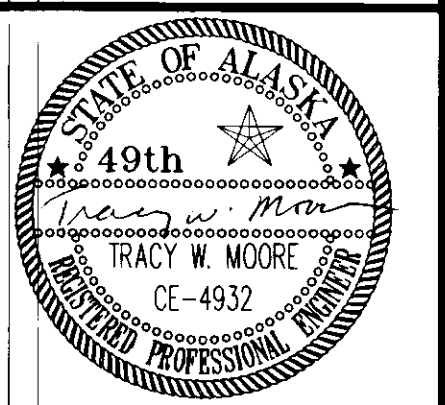
JUNEAU

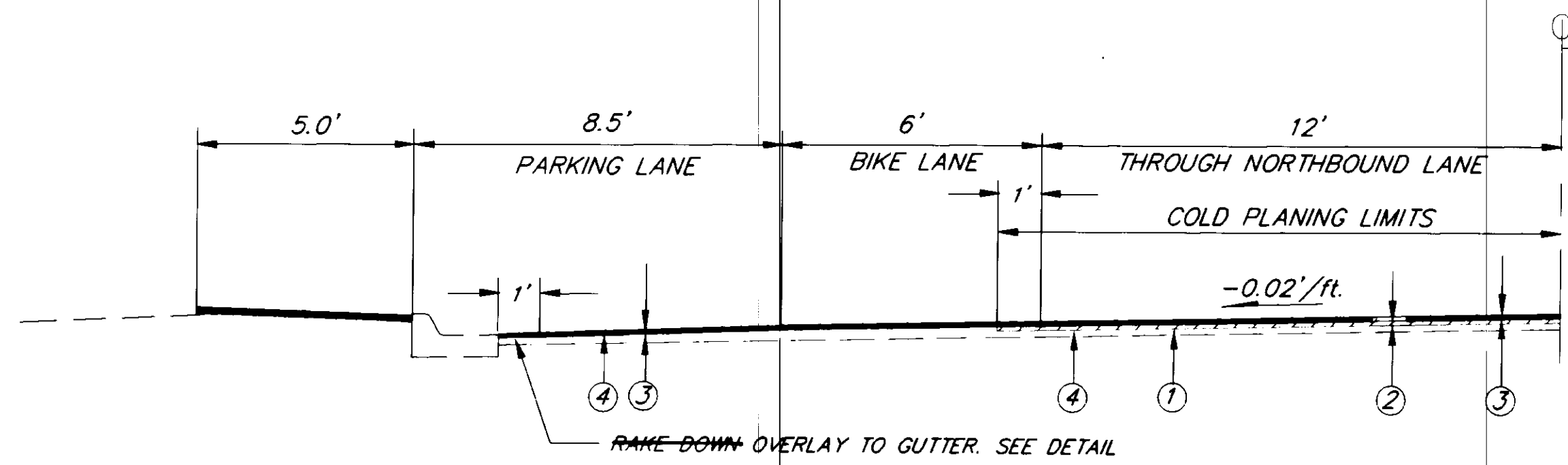
DOUGLAS HIGHWAY  
PAVEMENT REHABILITATION  
STP-0958(11) ~ 71661  
**TYPICAL SECTIONS**

ALASKA

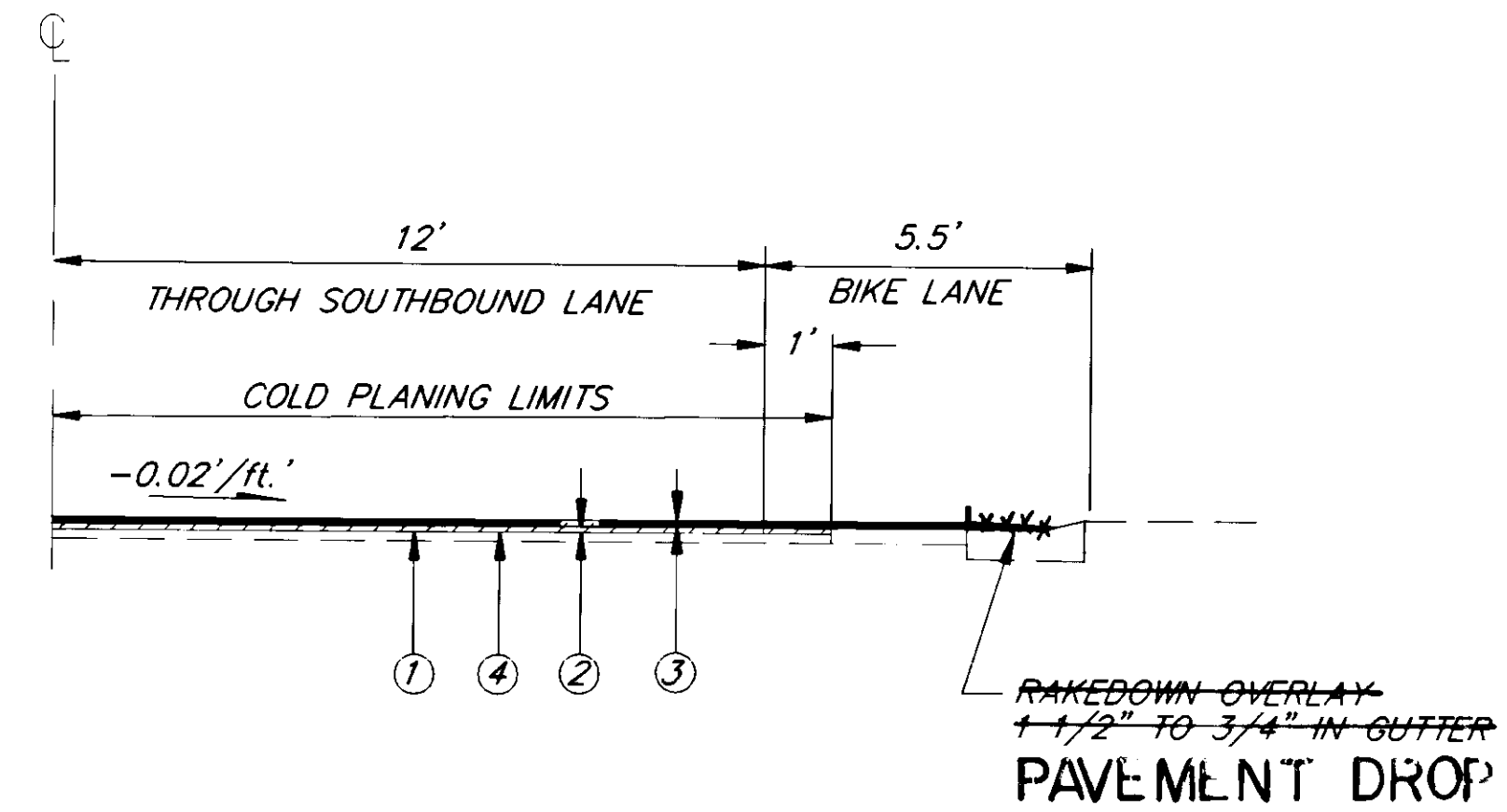
DESIGNED BY:  
**F. MURPHY**  
DRAWN BY:  
**K. KLEMMETSON**  
CHECKED BY:  
**T. MOORE**

PROJECT NO.  
**71661**  
DATE:  
**1995**  
SHEET 2 OF 21

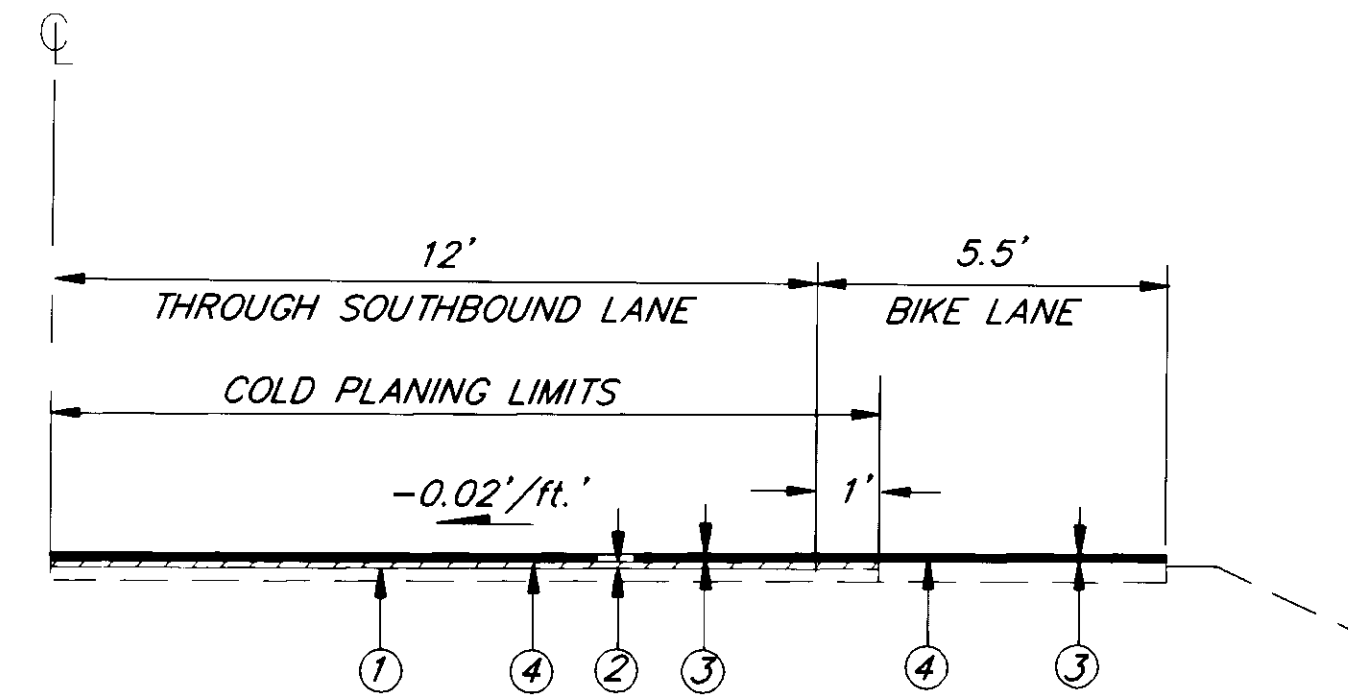




PAVEMENT DROP  
 STA. "AS BUILT" 36+99.88 TO STA. "AS BUILT" 81+00.00

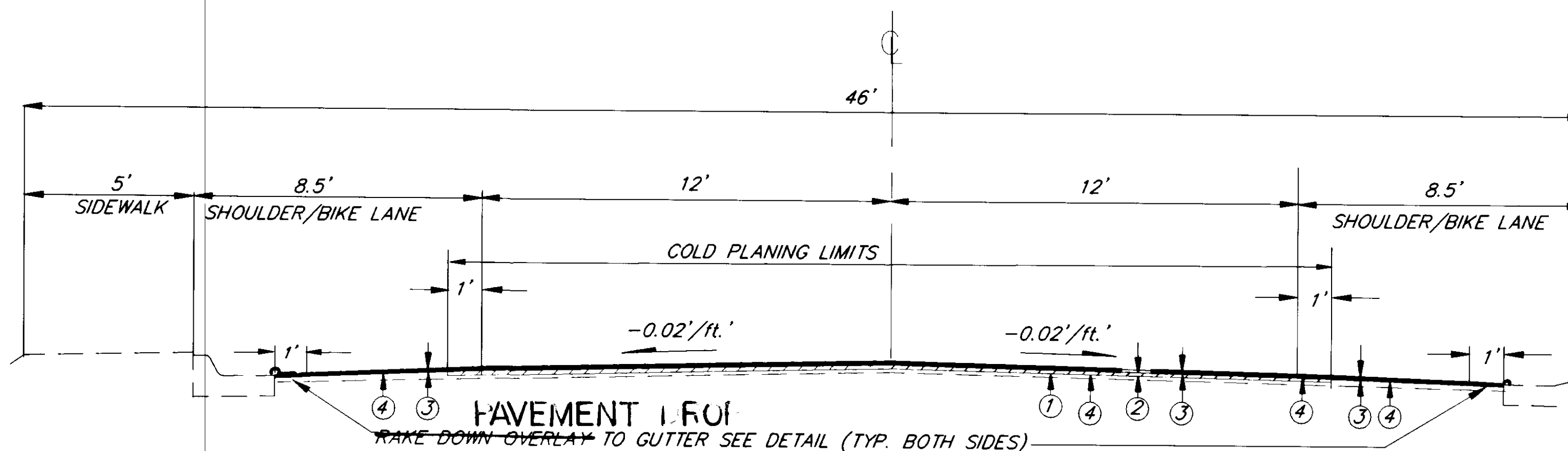


PAVEMENT DROP  
 STA. "AS BUILT" 36+99.88 TO STA. "AS BUILT" 43+46.00



STA. "AS BUILT" 43+46.00 TO "AS BUILT" STA. 81+00.00

LABELING INDEX	
①	1 1/4" COLD PLANING
②	1 1/4" HOT ASPHALT PAVEMENT
③	1 1/2" HOT ASPHALT PAVEMENT
④	STE-1 ASPHALT FOR TACK COAT (UNDER LEVELING COURSE AND UNDER OVERLAY.)



PAVEMENT DROP  
 STA. "AS BUILT" 82+50.00 TO STA. "AS BUILT" 121+39.27 BK=94+39.14 AHD.

**AS-BUILT**  
 BY: B.B. DATE: 11-96

RECORD OF REVISIONS		
PATH:	P:\JNU\71661\DR\1YP2 < PLOT.PCP(3) OR PLOT.PCP(6) >	
BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

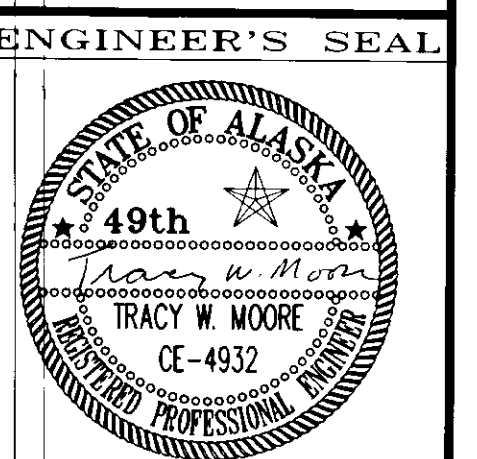
JUNEAU

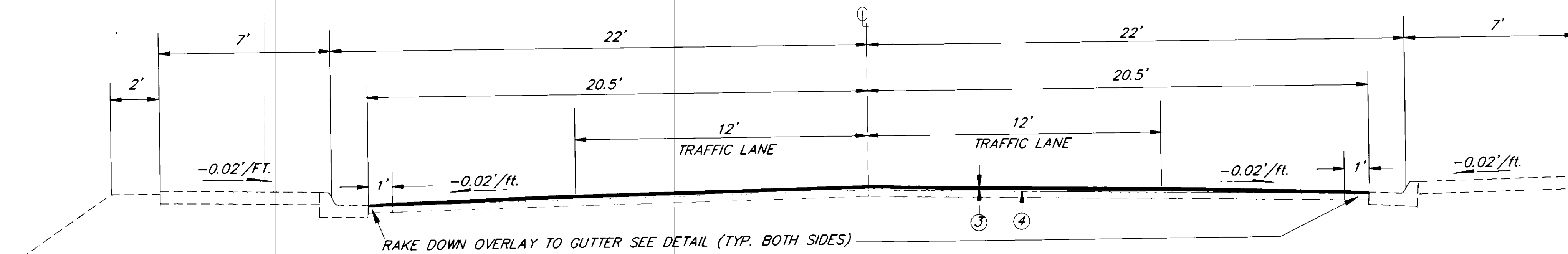
DOUGLAS HIGHWAY  
 PAVEMENT REHABILITATION  
 STP-0958(11) ~ 71661  
 TYPICAL SECTIONS

ALASKA

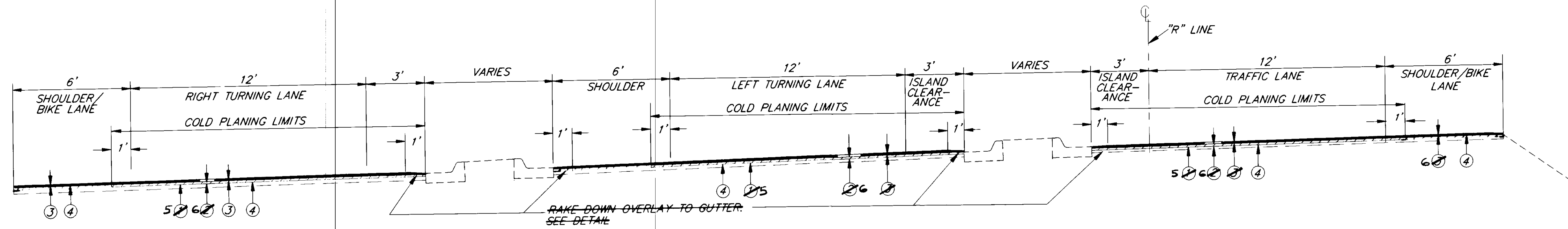
DESIGNED BY:  
 F. MURPHY  
 DRAWN BY:  
 B. ADAMS  
 CHECKED BY:  
 T. MOORE

PROJECT NO.  
 71661  
 DATE:  
 1995  
 SHEET 3 OF 21

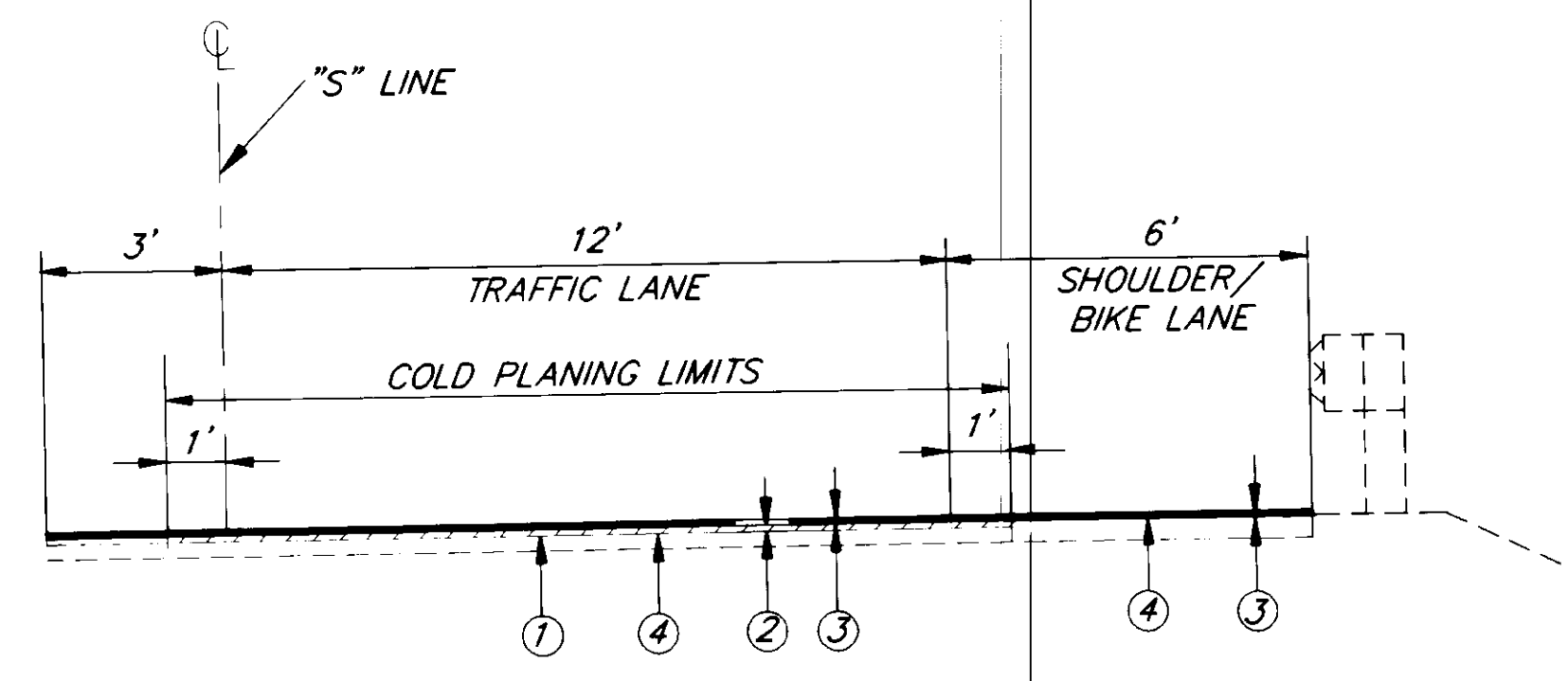




**STATIONS "AS BUILT" 94+39.14 TO "AS BUILT" 115+00**

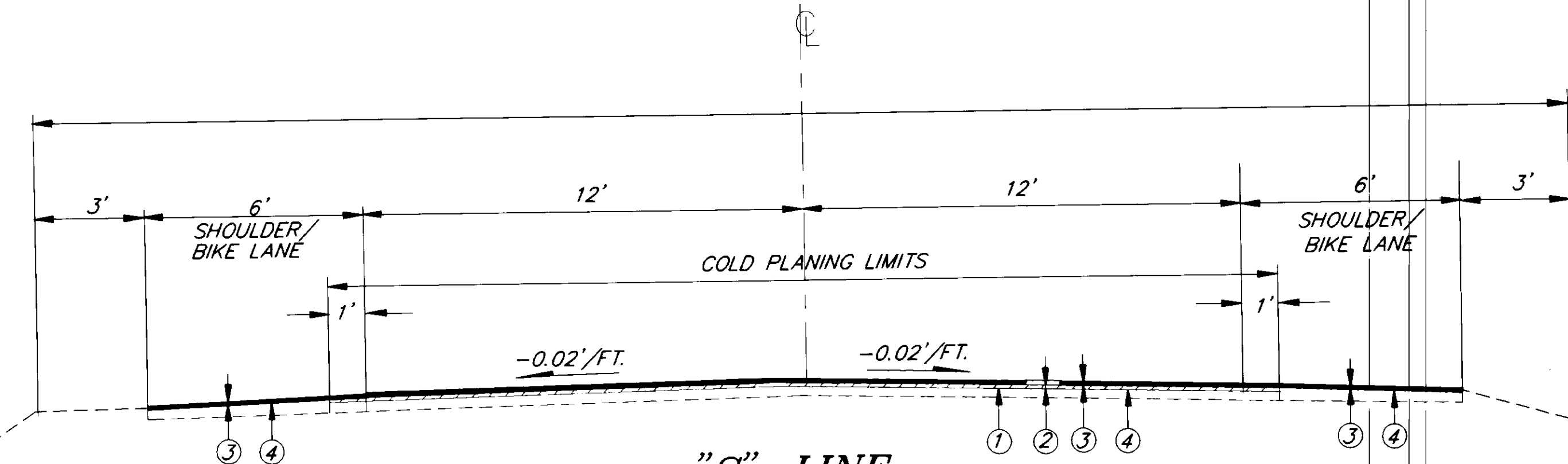


**"R" LINE  
FULL LANE WIDTHS SECTION @ INTERSECTION  
STATIONS "R" 12+03.36 TO "R" 15+80.83**



**"S" LINE  
TYPICAL SECTION (DOUGLAS APPROACH)  
Stations "S" 10+00.00 to "S" 15+80.83**

LABELING INDEX	
①	1 1/4" COLD PLANING
②	1 1/4" HOT ASPHALT PAVEMENT
③	1 1/2" HOT ASPHALT PAVEMENT
④	STE-1 ASPHALT FOR TACK COAT (UNDER LEVELING COURSE AND UNDER OVERLAY.)
⑤	1 1/2" COLD PLANING
⑥	1 1/2" HOT ASPHALT PAVEMENT



**"S" LINE  
TYPICAL SECTION (KOWEE CREEK)  
Stations "S" 15+80.83 to "S" 25+14.12  
(NORTH DOUGLAS ROAD)**

**AS-BUILT**  
BY: B.A. DATE: 11-96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGE

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
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SOUTHEAST REGION DESIGN & CONSTRUCTION

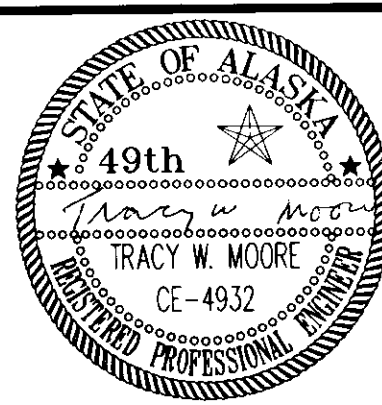
JUNEAU

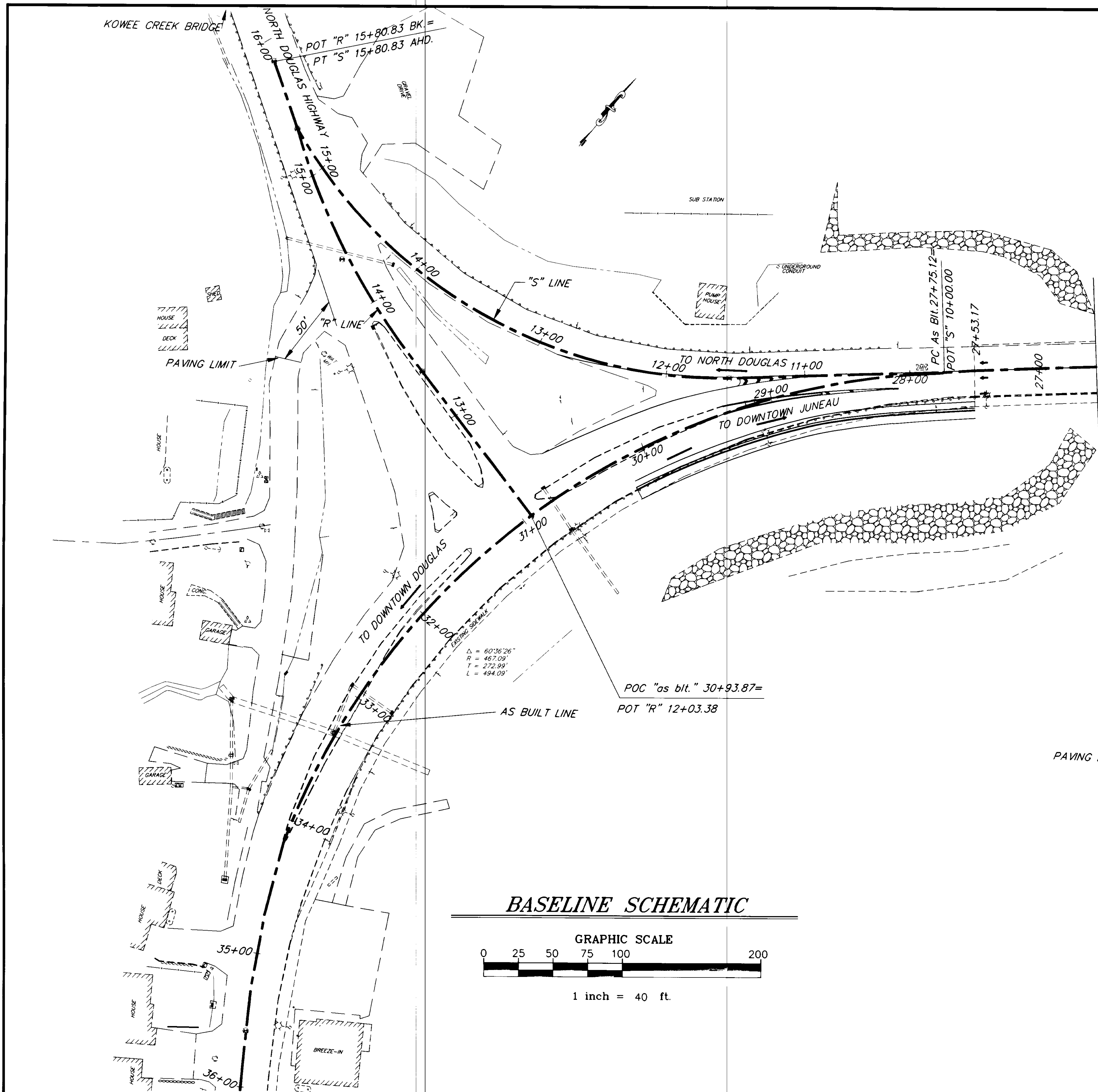
DOUGLAS HIGHWAY  
PAVEMENT REHABILITATION  
STP-0958(11) ~ 71661  
TYPICAL SECTIONS

ALASKA

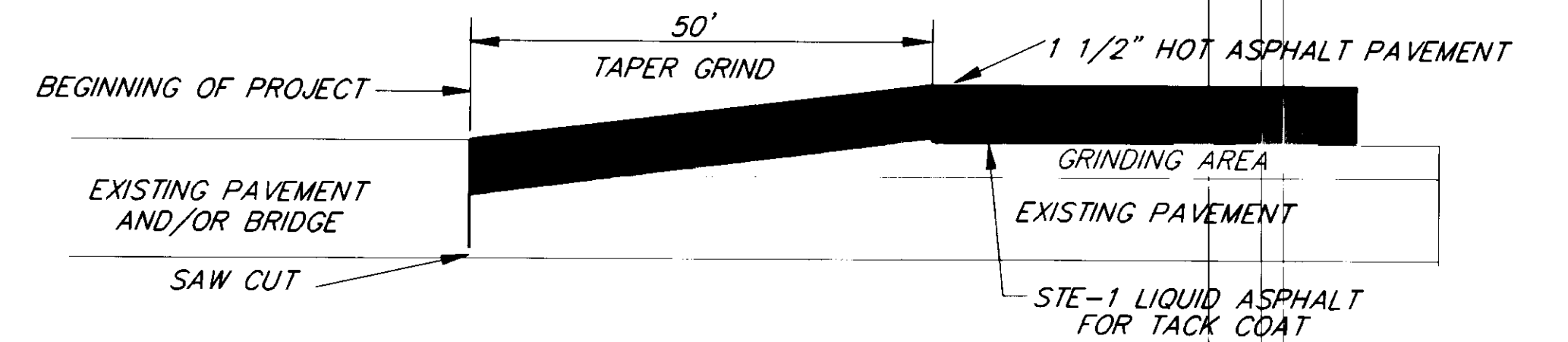
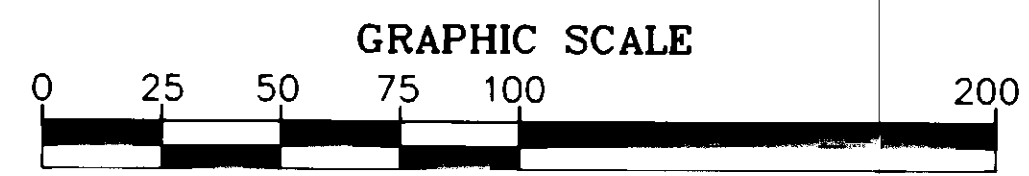
DESIGNED BY:  
**F. MURPHY**  
DRAWN BY:  
**K. KLEMMETSON**  
CHECKED BY:  
**T. MOORE**

PROJECT NO.  
**71661**  
DATE:  
**1995**  
SHEET **4** OF 21

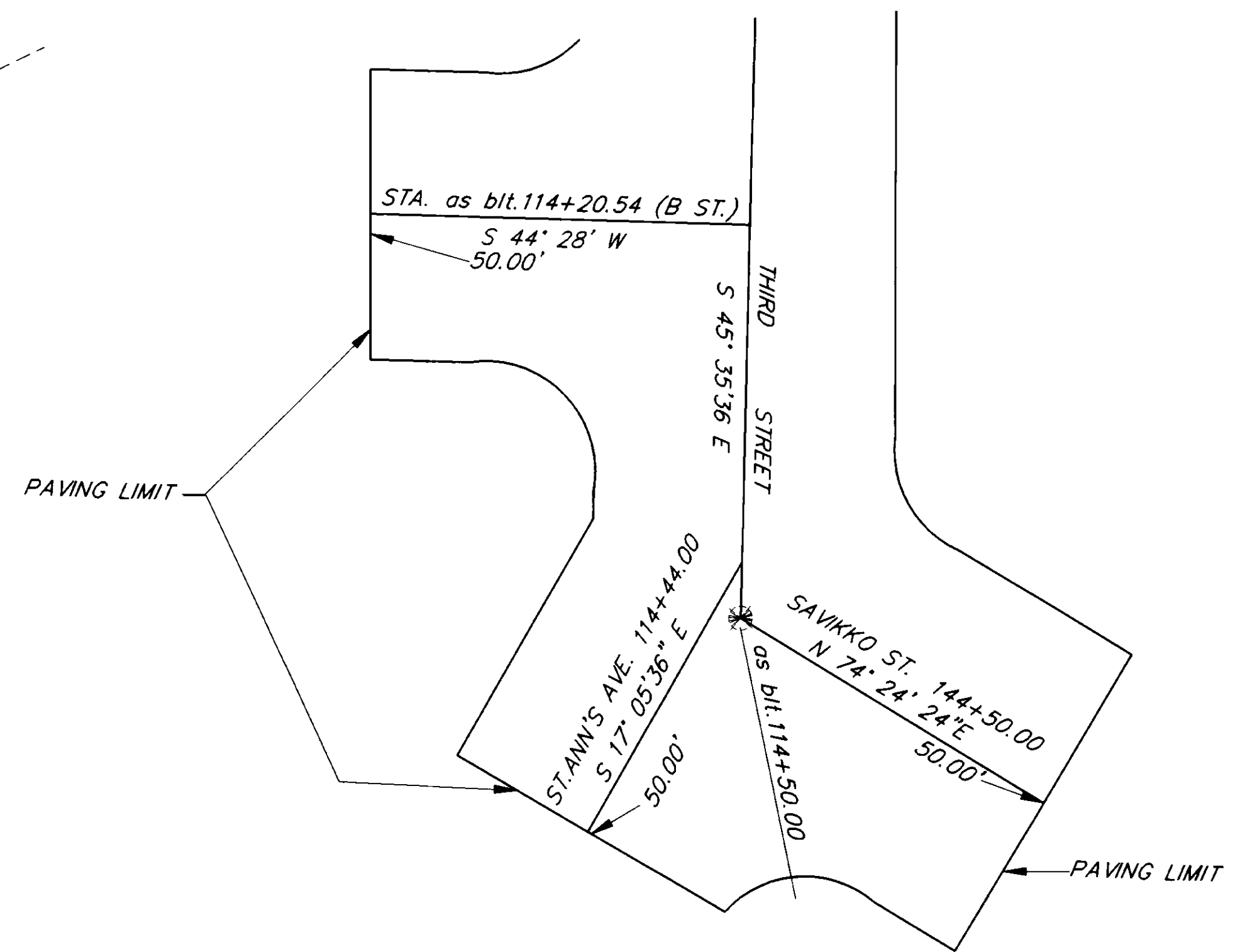




**BASELINE SCHEMATIC**



**PAVEMENT TRANSITION DETAIL**



**E.O.P. PAVING LIMIT DETAIL**

**AS-BUILT**  
 BY: B.A. DATE: 11-94

PATH: P:\JNU\71661\DR\DET1 PLOT1.PCP(1) OR PLOT1.PCP(2)  
 BY: DATE: DESCRIPTION OF CHANGE:  
 RECORD OF REVISIONS

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU  
 DOUGLAS HIGHWAY  
 PAVEMENT REHABILITATION  
 PROJECT NO. 71661  
**BASELINE SCHEMATICS**

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

DESIGNED BY: F. MURPHY	PROJECT NO. 71661
DRAWN BY: K. KLEMMETSON	DATE: 1995
CHECKED BY: T. MOORE	SHEET 5 OF 21



**ESTIMATE OF QUANTITIES**

ITEM NO	PAY ITEM	PAY UNIT	QUANTITY
120(1)	DBE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
203(12)	DITCH RECONDITIONING	LINEAR FOOT	900 941
401(1)	ASPHALT CONCRETE, TYPE 1, CLASS A	TON	6,600 7549
401(2)	PBA-2 ASPHALT CEMENT	TON	396 445
402(2)	STE-1 ASPHALT FOR TACK COAT	TON	35 37
408(1)	PAVEMENT COLD PLANING	SQUARE YARD	36,000 31880
508(1)	MEMBRANE WATERPROOFING	LUMP SUM	ALL REQUIRED
512(1)	BRIDGE JOINT SYSTEM	LINEAR FOOT	163 05
603(1-12)	12 INCH CORR. STEEL PIPE DELETED C.O. 2	LINEAR FOOT	20 0
603(22)	12 INCH SLOTTED DRAIN DELETED C.O. 2	LINEAR FOOT	20 0
604(4)	ADJUST EXISTING MANHOLE	EACH	22 31
604(8)	CLEAN INLETS	EACH	32 33
606(8)	GUARDRAIL REPAIR	LUMP SUM	ALL REQUIRED
609(10)	HANDICAP RAMP	EACH	3
614(4)	ADJUST EXISTING MONUMENT CASES	EACH	22 23
615(1)	STANDARD SIGNS	SQUARE FOOT	657.97
627(10)	ADJUSTMENT OF VALVE BOX	EACH	76 71
640(1)	MOBILIZATION & DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641(1)	EROSION & POLLUTION CONTROL ADMINISTRATION <b>Not Used</b>	LUMP SUM	ALL REQUIRED
641(2)	EROSION & POLLUTION CONTROL	CONTINGENT SUM	ALL REQUIRED
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642(2)	THREE PERSON SURVEY PARTY	HOUR	10
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643(3)	PERMANENT CONSTRUCTION SIGNING	LUMP SUM	ALL REQUIRED
643(4)	CONSTRUCTION SIGN	EACH PER DAY	550 248
643(6)	TYPE 111 BARRICADE	EACH PER DAY	240
643(7)	TRAFFIC CONE	EACH PER DAY	6,000 1015
643(8)	DRUM	EACH PER DAY	400 33
643(13)	TEMPORARY PAVEMENT MARKING	STATION	236 22762
643(15)	FLAGGING	HOUR	2,000 10655
670(1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED
670(6)	PERFORMED PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED
670(8)	RECESSED PAVEMENT MARKINGS	EACH	276 262
670(1)	Methylmethacrylate Pavement Markings	LUMP SUM	All Req'd.

**ADJUST VALVE BOX SUMMARY**

STATION	OFFSET	REMARKS
AS BLT. 37+07	9' RT	12' LT., 12' RT.
AS BLT. 37+15 16	12.5' RT	37+10, 11' LT.
AS BLT. 37+17 18.5	15' RT	37+12, 15' LT.
AS BLT. 40+63	9' RT	
AS BLT. 40+69	9' RT	
AS BLT. 44+96 98	8' RT	
AS BLT. 45+03	2' LT	
AS BLT. 45+07	18' LT	
AS BLT. 45+07	6' RT	
AS BLT. 45+11 09	8' RT	
AS BLT. 45+19 13	20' LT	
AS BLT. 47+02	20' LT	
AS BLT. 49+50 55	7' RT	
AS BLT. 49+56 60	7' RT	
AS BLT. 49+60 64	7' RT	
AS BLT. 51+18	4' RT	
AS BLT. 51+20	7' RT	
AS BLT. 51+22	19' LT	
AS BLT. 51+24	2' RT	
AS BLT. 51+29	4' RT	
AS BLT. 51+34	21' LT	
AS BLT. 55+55	19' RT	
AS BLT. 55+62	2' LT	
AS BLT. 60+07	1' RT	
AS BLT. 60+10	4' RT	
AS BLT. 60+13	1' RT	
AS BLT. 60+19	4' RT	
AS BLT. 63+89	0.5' LT	
AS BLT. 63+92	2.5' LT	
AS BLT. 63+92	2' RT	
AS BLT. 63+95 77	0.5' RT LT	
AS BLT. 63+96 78	20.5' LT	
AS BLT. 64+00 05	20.5' LT	
AS BLT. 64+00 01	2' RT	
AS BLT. 64+00 04	5' RT	1' LT.
AS BLT. 64+02	22' LT	
AS BLT. 64+04	2' RT	
AS BLT. 67+30 29	23.5' LT	
AS BLT. 67+30 32	3' RT	
AS BLT. 67+35	6' LT	
AS BLT. 67+35	6' RT	
AS BLT. 67+38	24' RT	67+30, 22' LT.
AS BLT. 71+33	17' LT	
AS BLT. 72+20 18	22' LT	
AS BLT. 72+20 22	19' LT	
AS BLT. 72+25 24	22' LT	
AS BLT. 72+28	22' LT	
AS BLT. 76+19 24	21' LT	
AS BLT. 76+33 26	18' LT	76+33, 21' LT.
AS BLT. 79+53 25	19' LT	
AS BLT. 79+60 58	22' LT	
AS BLT. 79+67	18' LT	
AS BLT. 79+70 29	18' LT	
AS BLT. 102+85	16' LT	IN SIDEWALK N/A
AS BLT. 115+16 6	10.5' RT	
AS BLT. 115+13 37	11' RT	
AS BLT. 119+82	18' RT	
AS BLT. 121+39 28 BK. =		
AS BLT. 94+39 AHD.		94+39 15.5' RT.
AS BLT. 99+15 20	4' RT	
AS BLT. 99+34 43	2' RT	96+04 16.5' RT.
AS BLT. 99+56	8' RT	96+75 16.5' RT.
AS BLT. 99+60	6' RT	
AS BLT. 104+25	10' LT	
AS BLT. 104+28	7' LT	
AS BLT. 104+29	1.5' RT	
AS BLT. 104+31	4' LT	
AS BLT. 105+84 74	1' LT	
AS BLT. 106+46	3' LT	
AS BLT. 106+58	2' LT	

**ADJUST VALVE BOX SUMMARY**

STATION	OFFSET	REMARKS
AS BLT. 109+82	3' LT	106+82 4' LT.
AS BLT. 109+23 30	11' RT	
AS BLT. 111+49	1' RT	
AS BLT. 113+80 83	1' RT	
AS BLT. 114+16 20	10' RT	
AS BLT. 114+23 26	26' RT	
AS BLT. 114+65 67	2' LT	
AS BLT. 114+74 71	6	

**MANHOLE ADJUSTMENT SUMMARY**

STATION	OFFSET	REMARKS
AS BLT. 27+89	4' RT	
AS BLT. 45+32	17' RT	
AS BLT. 47+14	14' RT	
AS BLT. 50+09	14' RT	
AS BLT. 51+42	12' RT	
AS BLT. 53+09	15' RT	
AS BLT. 56+49	14' RT	
AS BLT. 60+04	14' RT	
AS BLT. 63+12	11' RT	
AS BLT. 64+12	11' RT	
AS BLT. 65+80	13' RT	
AS BLT. 121+39 27 POT BK. =		
AS BLT. 94+39 00 POT AHD.		
AS BLT. 96+82 05	14' RT	
AS BLT. 96+90	3' RT	
AS BLT. 99+14 15	15' RT	
AS BLT. 99+19 25	2' RT	
AS BLT. 101+71	12' RT	
AS BLT. 101+82	4' LT	
AS BLT. 103+86	6' LT	
AS BLT. 104+19	5' LT	
AS BLT. 104+39	3' RT	
AS BLT. 106+56	15' RT	
AS BLT. 106+73	2' LT	
AS BLT. 109+05	14' RT	
AS BLT. 109+20 26	1' RT	
AS BLT. 111+60	14' RT	
AS BLT. 111+69 70	2' RT	
AS BLT. 114+11	15' RT	
AS BLT. 114+17 21	2' RT	
AS BLT. 114+68 71	3' RT	
" " 10+50	15' RT.	
" " 14+00	2' RT.	

**MON. CASE ADJUSTMENT SUMMARY**

STATION	OFFSET	POINT	REMARKS
AS BLT. 27+75.12	6-	P.G.	
AS BLT. 30+93.87	6	P.O.C.	
AS BLT. 35+27.92	6	P.I.	
AS BLT. 36+99.88	6	P.I. POINT	
AS BLT. 38+52.67	6	P.I. POINT	
AS BLT. 43+96.05	6	P.C.	
AS BLT. 47+78.07	6	P.T.	
AS BLT. 56+00.00	6	P.O.T.	
AS BLT. 63+25.00	6	P.O.T.	
AS BLT. 77+81.17	6	P.C.	
AS BLT. 82+42.88	6	P.T.	
AS BLT. 83+36.52	6	P.C.	
AS BLT. 88+57.82	6	P.I.	
AS BLT. 95+40.32	0.46' RT	P.I.	
AS BLT. 99+00.16	0.41' LT	P.I.	
AS BLT. 101+50.00	6	P.O.T.	
AS BLT. 119+43.01	1.27' RT	P.I.	
AS BLT. 121+39 27 BK. =			
AS BLT. 94+39 00 AHD.			
AS BLT. 97+24.80	6	P.I. POINT	
AS BLT. 101+70.54	6	P.I. POINT	
AS BLT. 114+50.00	6	P.O.T.	
"R" AS BLT. 14+31.39	7.5' LT	P.I.	
"R" AS BLT. 15+80.83	6	P.O.T.	

**BASIS OF ESTIMATE**

ITEM NO.	PAY ITEM	ESTIMATING FACTOR
401(1)	ASPHALT CONCRETE, TYPE 1	115 LBS./SQ. YD./INCH DEPTH
402(1)	PBA-2 ASPHALT CEMENT	6% OF ITEM 401(1) TYPE 1
402(2)	STE-1 ASPHALT FOR TACK COAT	0.07 GAL./SQ. YD. - 25.3 GAL./TON @ 60°C

**AS-BUILT**  
 BY: *[Signature]* DATE: 11-96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH:	DATE:	DESCRIPTION OF CHANGE:
P:\JNU\71661\DR\SUM1 PLOT.PCP(1) OR PLOT.PCP(2)		

**RECORD OF REVISIONS**

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU

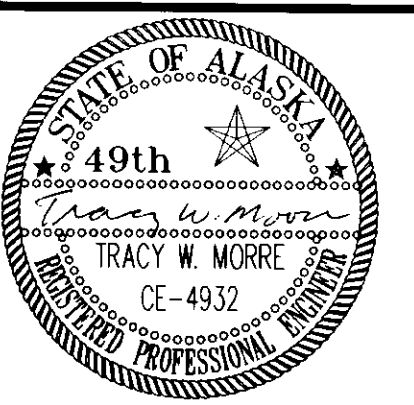
DOUGLAS HIGHWAY  
 PAVEMENT REHABILITATION  
 PROJECT NO. 71661

ALASKA

DESIGNED BY:  
*F. MURPHY*  
 DRAWN BY:  
*V. BEAN*  
 CHECKED BY:  
*F. MURPHY*

PROJECT NO.  
 71661  
 DATE:  
 1995  
 SHEET 6 OF 21

**ESTIMATE OF QUANTITIES, SUMMARY TABLES**



**DITCH RECONDITIONING**

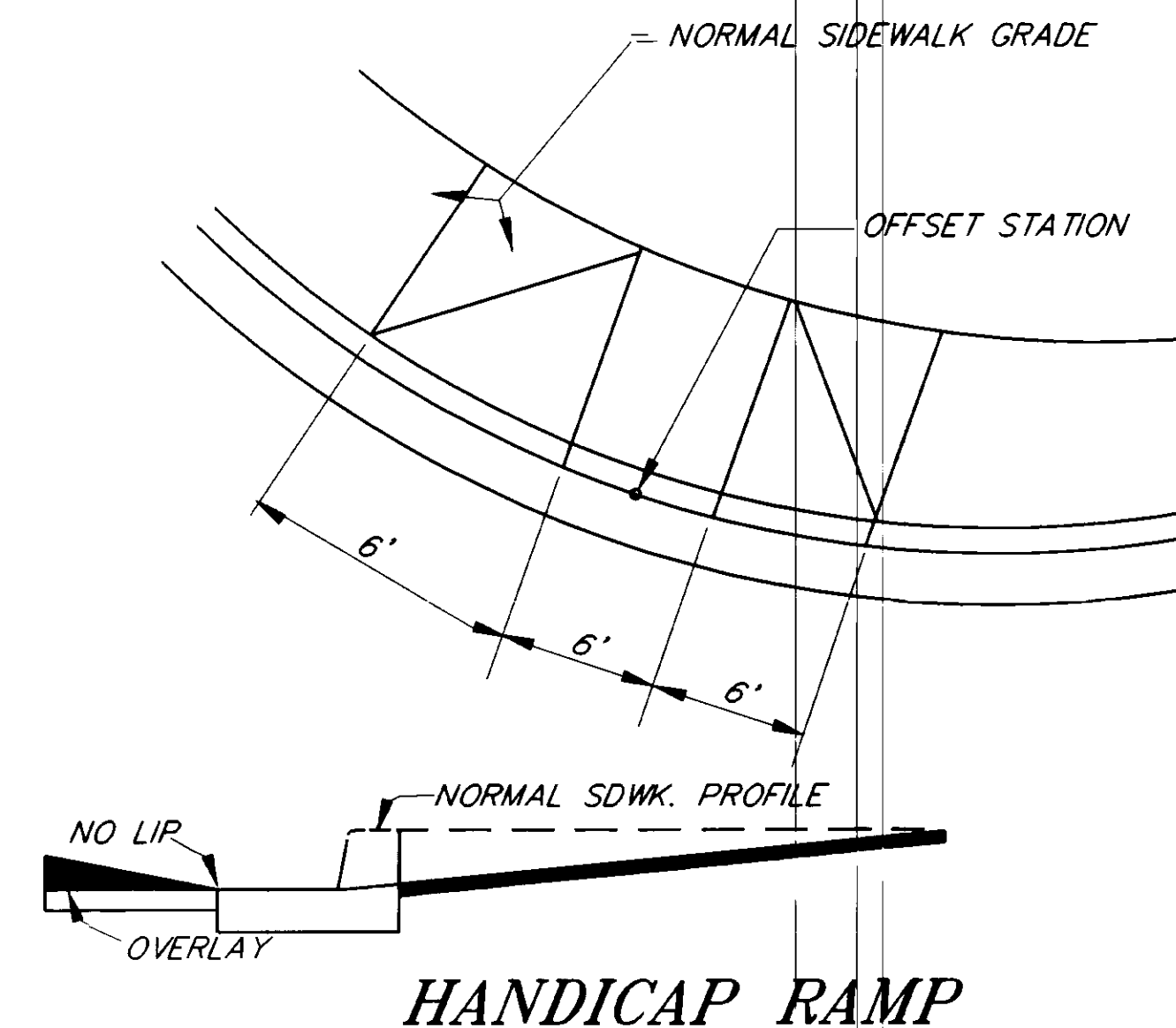
STATIONING	OFFSET	REMARKS
"AS BLT" 27+53 TO 33+80	LT.	GRUB UNDER HANDRAIL GRADE TO DRAIN
"AS BLT" 64+70 TO "B" 11+35		GRADE SHOULDER TO DRAIN
"AS BLT" 68+00 TO "C" 11+35		CONSTRUCT DITCH
"C" 10+93 TO "C" 11+60		
"B" 10+58 TO "B" 11+40		
"A" BLT. 53+92 TO 55+34		
"A" BLT. 74+64 TO 75+36		
"A" BLT. 68+67 TO 68+85		

**INLET CLEANING SUMMARY**

STATION	OFFSET	REMARKS
"S" 14+15	LT.	FIELD INLET
"AS BLT" 33+00±	17' RT.	
"AS BLT" 121+39.28	BK. =	
"AS BLT" 94+39	AHD.	
"AS BLT" 96+41	21.5' RT.	
"AS BLT" 96+51	44' RT.	
"AS BLT" 96+88	44' RT.	
"AS BLT" 97+00	21' RT. LT.	96+20
"AS BLT" 98+91	21' LT.	
"AS BLT" 98+94	21' RT.	
"AS BLT" 99+05	44' RT.	
"AS BLT" 99+37	44' RT.	
"AS BLT" 101+44	21' LT.	
"AS BLT" 101+44	21' RT.	
"AS BLT" 101+87	44' RT.	
"AS BLT" 103+91	21' RT.	
"AS BLT" 104+03	44' RT.	
"AS BLT" 104+40	44' RT.	
"AS BLT" 106+38	21' LT.	
"AS BLT" 106+41	21' RT.	
"AS BLT" 106+53	44' RT.	
"AS BLT" 106+89	44' RT.	
"AS BLT" 108+90	21' LT.	
"AS BLT" 108+95	21' RT.	
"AS BLT" 109+05	44' RT.	
"AS BLT" 109+36	44' RT.	
"AS BLT" 111+44	21' RT.	
"AS BLT" 111+50	21' LT.	
"AS BLT" 111+55	44' LT.	
"AS BLT" 111+86	44' RT.	
"AS BLT" 113+95	21' RT.	
"AS BLT" 114+00	21' LT.	
"AS BLT" 114+05	44' RT.	
"AS BLT" 114+36	44' RT.	

**GUARDRAIL SUMMARY**

- "R" 14+30 TO "R" 15+80 LT.  
REPLACE 7-12.5' SECTIONS RAIL (STRAIGHT)  
REPLACE 2-12.5' SECTIONS RAIL (CURVED)  
REPLACE 1 STEEL BLOCKOUT  
REPLACE 1 WOOD POST @ TERMINAL END  
REPLACE 1 TERMINAL END DIAPHRAGM
- "R" 15+45 TO "R" 15+80 RT  
REPLACE 4-12.5' SECTIONS RAIL (STRAIGHT)
- "AS BUILT" 33+00 TO "AS BUILT" 34+00 RT  
REPLACE 4-12.5' SECTIONS RAIL (STRAIGHT)  
REPLACE 1 TERMINAL END DIAPHRAGM
- "AS BUILT" 33+50 LT  
REPLACE 1 TERMINAL END DIAPHRAGM



**HANDICAP RAMP SUMMARY**

STATIONING	OFFSET	REMARKS
AS BLT 34+07	LT.	
36+75	LT.	
36+75	RT.	CONCRETE SIDEWALK

PATH: P:\JNU\71661\DR\SUM4 < PLOT.PCP(1) OR PLOT.PCP(2) >

BY:	DATE:	DESCRIPTION OF CHANGE:

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JUNEAU

DOUGLAS HIGHWAY  
PAVEMENT REHABILITATION  
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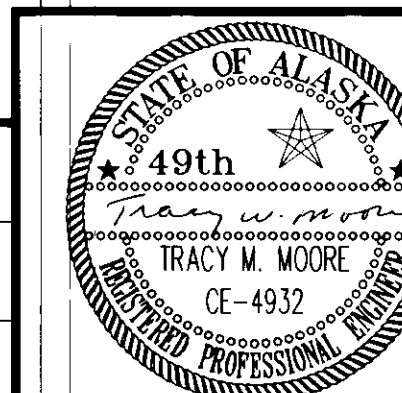
**SUMMARY TABLES, DETAILS**

ALASKA

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY:	F. MURPHY	PROJECT NO.	71661
DRAWN BY:	K. KLEMMETSON	DATE:	1995
CHECKED BY:	T. MOORE	SHEET	7 OF 21

**AS-BUILT**  
BY: B.A. DATE: 11-95



STANDARD SIGNING SCHEDULE

SIGN NO.	STATION	OFFSET		CODE NO. (ASDS)	LEGEND	SIZE IN.	AREA S.F.	FACING TRAFFIC	NO. OF POSTS	POST SIZE IN.	REMARKS
		LT.	RT.								
1	"S" 11+40		X	D11-1	BIKE ROUTE	24X18	3.0	SB	1	2	
2	"S" 11+40		X	D11-1R	ARROW RIGHT	24X6	1.0	SB			INSTALL BELOW BIKE ROUTE
3	"S" 12+75		X	W11-1	BIKE CROSSING SYMBOL	36X36	9.0	SB	1	2.5	
4	"S" 14+14		X	D11-1	BIKE ROUTE	24X18	3.0	SB			BAND TO LUMINAIRE POLE
5	"S" 14+14		X	D11-1R	ARROW RIGHT	24X6	1.0	SB			BAND TO LUMINAIRE POLE BELOW BIKE ROUTE
6	"S" 14+21		X	R5-1	DO NOT ENTER	36X36	9.0	SB			INSTALL BACK TO BACK WITH YIELD SIGN
7	"S" 14+21		X	R1-2	YIELD	36X3	3.9	NB			
8	"S" 14+25	X		R5-1	DO NOT ENTER	36X36	9.0	NB			
9	"S" 15+53		X	D11-1	BIKE ROUTE	24X18	3.0	NB			
10	"S" 15+85		X	W11-1	BIKE CROSSING SYMBOL	36X36	9.0	SB	1	2.5	
11	"R" 12+32	X		R1-1	STOP	30X30	6.25	NB	1	2.5	
12	"R" 12+32	X		D3-1	N DOUGLAS HIGHWAY	42X8	2.33	E&WB			INSTALL ABOVE STOP
13	"R" 12+43	X		R1-2	YIELD	36X36	3.9	NB			
14	"R" 12+65		X	W11-1	BIKE CROSSING SYMBOL	36X36	9.0	NB	1	2.5	
15	"R" 12+65	X		R7-101	NO PARKING ANYTIME	12X18	1.5	NB	1	2	
16	"R" 13+80	X		R4-7	KEEP RIGHT	24X30	5.0	SB			
17	"R" 13+80	X		OM-6	TYPE 1 OBJECT MARKER	18X18	2.25	SB			INSTALL BELOW KEEP RIGHT
18	"R" 13+92	X		R1-1	STOP	30X30	6.25	WB	1	2.5	
19	"R" 13+92	X		D3-1	SITKA ST	30X8	1.67	N&SB			INSTALL ABOVE STOP
20	"R" 14+18	X		D11-1	BIKE ROUTE	24X18	3.0	NB			
21	"R" 15+00	X		D11-1	BIKE ROUTE	24X18	3.0	NB			BAND TO LUMINAIRE POLE
22	"R" 15+00	X		D11-1R	ARROW RIGHT	24X6	1.0	NB			INSTALL BELOW BIKE ROUTE
23	"AB" 27+80	X		I-3	GASTINEAU CHANNEL	24X24	4.0	EB			6" UPPER CASE, 4.5" LOWER CASE
24	"AB" 28+00		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	WB			
25	"AB" 29+12	X		R7-9	NO PARKING BIKE LANE	12X18	1.5	EB	1	2	
26	"AB" 29+19		X	R4-7	KEEP RIGHT	24X30	5.0	WB			
27	"AB" 29+19	X		OM-6	TYPE 1 OBJECT MARKER	18X18	2.25	WB			INSTALL BELOW KEEP RIGHT
28	"AB" 29+85	X		W12-1	DOUBLE ARROW	24X24	4.0	WB			
29	"AB" 29+85	X		OM-6	TYPE 1 OBJECT MARKER	18X18	2.25	WB			INSTALL BELOW DOUBLE ARROW
30	"AB" 30+35		X	R12-7	NO STUDDED TIRES APRIL 15 TO SEPT 30	84X66	38.5	WB	2	2.5 PIPE	POSTS SHALL HAVE MULTI-DIRECTIONAL BREAKAWAY BASES
31	"AB" 31+19	X		D1-2	ARROW LEFT JUNEAU	66X24	11.0	SB	2	2.5	6" UPPER CASE, 4.5" LOWER CASE
32	"AB" 32+00		X	S1-1	SCHOOL ADVANCE	36X36	9.0	SB	1	2	
33	"AB" 32+10	X		R7-9	NO PARKING BIKE LANE	12X18	1.5	NB			
34	"AB" 32+55		X	W11-1	BIKE CROSSING SYMBOL	36X36	9.0	SB			BAND TO LUMINAIRE POLE
35	"AB" 33+00	X		R7-9	NO PARKING BIKE LANE	12X18	1.5	SB	1	2	
36	"AB" 33+45	X		R2-1	SPEED LIMIT 30	30X36	7.5	NB	1	2.5	
37	"AB" 33+45		X	S5-1	SCHOOL SPEED LIMIT 20 WHEN FLASHING	24X48	8.0	SB			BAND TO EXISTING POLE
38	"AB" 33+78	X		R4-7	KEEP RIGHT	24X30	5.0	NB	1	2.5	
39	"AB" 33+78	X		OM-6	TYPE 1 OBJECT MARKER	18X18	2.25	NB			INSTALL BELOW KEEP RIGHT
40	"AB" 34+00	X		R7-9	NO PARKING BIKE LANE	12X18	1.5	NB	1	2	INSTALL PERPENDICULAR TO BIKE PATH
41	"AB" 34+00		X	R5-3	NO MOTOR VEHICLES	24X24	4.0	NB	1	2	INSTALL PERPENDICULAR TO BIKE PATH
42	"AB" 34+08		X	R1-1	STOP	18X18	2.25	NB	1	2	INSTALL PERPENDICULAR TO BIKE PATH
43	"AB" 34+20	X		D11-1	BIKE ROUTE	24X18	3.0	NB	1	2	
44	"AB" 34+20	X		D11-1R	ARROW LEFT	24X6	1.0	NB			INSTALL BELOW BIKE ROUTE
45	"AB" 34+20	X		D11-1J	N DOUGLAS	24X6	1.0	NB			INSTALL ABOVE BIKE ROUTE
46	"AB" 34+37		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
47	"AB" 35+00	X		R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
48	"AB" 36+30	X		R7-101L	NO PARKING ANYTIME	12X18	1.5	NB			
49	"AB" 36+67		X	S2-1	SCHOOL CROSSING	36X36	9.0	SB	1	2.5	
50	"AB" 37+39	X		S2-1	SCHOOL CROSSING	36X36	9.0	NB			
51	"AB" 37+39		X	D3-1	DOUGLAS HWY	42X8	2.33	E&WB			INSTALL ABOVE STOP
52	"AB" 37+39		X	R1-1	STOP	30X30	6.25	EB			(CORDOVA STREET)
53	"AB" 37+70		X	R7-101	NO PARKING ANYTIME	12X18	1.5	SB			
54	"AB" 38+47		X	R3-17	RIGHT LANE BIKES ONLY	24X30	5.0	SB			
55	"AB" 38+87	X		R7-101	NO PARKING ANYTIME	12X18	1.5	NB			
56	"AB" 39+50	X		W11-1	BIKE CROSSING SYMBOL	36X36	9.0	NB	1	2.5	
57	"AB" 39+75		X	R2-1	SPEED LIMIT 30	30X36	7.5	SB			
58	"AB" 40+60	X		S5-1	SCHOOL SPEED LIMIT 20 WHEN FLASHING	24X48	8.0	NB			BAND TO EXISTING SIGNAL POLE
59	"AB" 40+99		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
60	"AB" 41+61	X		S1-1	SCHOOL ADVANCE	36X36	9.0	SB			
61	"AB" 43+46		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	NB			
62	"AB" 42+20	X		R2-1	SPEED LIMIT 30	30X36	7.5	NB	1	2.5	
63	"AB" 44+66		X	R2-1	SPEED LIMIT 40	30X36	7.5	SB	1	2.5	

STANDARD SIGNING SCHEDULE

SIGN NO.	STATION	OFFSET		CODE NO. (ASDS)	LEGEND	SIZE IN.	AREA S.F.	FACING TRAFFIC	NO. OF POSTS	POST SIZE IN.	REMARKS
		LT.	RT.								
64	"AB" 47+37		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
65	NOT USED										
66	"AB" 53+45		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
67	"AB" 54+45		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
68	"AB" 58+43		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
69	"AB" 59+53	X		R2-1	SPEED LIMIT 40	30X36	7.5	NB			
70	"AB" 62+15	X		R3-17	RIGHT LANE BIKES ONLY	24X30	5.0	NB			
71	"AB" 62+29		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
72	NOT USED										
73	"AB" 64+55		X	D3-1	DOUGLAS HWY	42X8	2.33	E&WB			INSTALL ABOVE STOP
74	"AB" 64+55		X	R1-1	STOP	30X30	6.25	EB			(JOHN STREET)
75	"AB" 66+00	X		R1-1	STOP	30X30	6.25	WB	1	2.5	
76	"AB" 66+40	X		R5-1	DO NOT ENTER	36X36	9.0	EB	1	2.5	
77	"AB" 66+40	X		R6-1	ONE WAY RIGHT	36X12	3.0	NB			INSTALL ABOVE DO NOT ENTER BACK TO BACK
78	"AB" 66+40	X		R6-1	ONE WAY LEFT	36X12	3.0	SB			INSTALL ABOVE DO NOT ENTER BACK TO BACK
79	"AB" 65+37		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
80	"AB" 67+14		X	D3-1	DOUGLAS HWY	42X8	2.33	E&WB			INSTALL ABOVE STOP
81	"AB" 67+14		X	R1-1	STOP	30X30	6.25	EB			(DAVID STREET)
82	"AB" 68+19		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
83	"AB" 71+61		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
84	"AB" 74+66		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
85	"AB" 78+45		X	R2-1	SPEED LIMIT 40	30X36	7.5	SB			
86	"AB" 79+00	X		R3-17	RIGHT LANE BIKES ONLY	24X30	5.0	NB			
87	"AB" 82+17	X		R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
88	"AB" 82+62	X		R1-1	STOP	30X30	6.25	EB	1	2.5	
89	"AB" 83+38	X		R7-101R	NO PARKING ANYTIME	12X18	1.5	NB			
90	"AB" 84+45	X		R2-1	SPEED LIMIT 40	30X36	7.5	NB	1	2.5	
91	"AB" 85+22		X	R3-17	RIGHT LANE BIKES ONLY	24X30	5.0	SB	1	2.0	
92	"AB" 86+56	X		R7-101D	NO PARKING ANYTIME	12X18	1.5	NB			
93	"AB" 89+10		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
94	"AB" 90+35	X		R7-101D	NO PARKING ANYTIME	12X18	1.5	NB			
95	"AB" 94+00		X	D3-1	CREEK ST	36X8	2	N&SB			
96	"AB" 94+00		X	R1-1	STOP	30X30	6.25	EB			
97	"AB" 96+05	X		R7-101D	NO PARKING ANYTIME	12X18	1.5	NB			
98	"AB" 97+48	X		D3-1	LAWSON CK RD	48X8	2.67	N&SB			INSTALL ABOVE STOP
99	"AB" 97+48	X		D3-1	DOUGLAS HWY	42X8	2.33	E&WB			INSTALL ABOVE STOP
100	"AB" 97+48	X		R1-1	STOP	30X30	6.25	WB	1	2.5	
101	"AB" 97+52		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
102	"AB" 99+04	X		R7-101D	NO PARKING ANYTIME	12X18	1.5	NB			
103	"AB" 102+57	X		R7-101D	NO PARKING ANYTIME	12X18	1.5	NB			
104	"AB" 104+04	X		R1-1	STOP	30X30	6.25	WB			CAPITOL VIEW COURT
105	"AB" 104+71		X	R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
106	"AB" 106+44	X		R7-101D	NO PARKING ANYTIME	12X18	1.5	NB	1	2.0	
107	"AB" 106+63	X		R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
108	"AB" 111+30	X		R7-9	NO PARKING BIKE LANE	12X18	1.5	SB			
109	"AB" 111+43	X		R7-101D	NO PARKING ANYTIME	12X18	1.5	NB			
110	"AB" 112+75	X		R2-1	SPEED LIMIT 40	30X36	7.5	NB	1	2.5	
111	"AB" 113+05		X	R2-1	SPEED LIMIT 30	30X36	7.5	SB	1	2.5	
112	"AB" 115+06	X		R7-101	NO PARKING ANYTIME	12X18	1.5	NB	1	2.0	
113	"AB" 115+12	X		R1-1	STOP	30X30	6.25	EB			
114	"AB" 118+42	X		R2-1	SPEED LIMIT 30	30X36	7.5	NB	1	2.5	
115	"AB" 118+42	X		S5-1	SCHOOL SPEED LIMIT 20 WHEN FLASHING	24X48	8.0	SB			INSTALL NEW 4 INCH PIPE SIGN BRACKETS
116	"AB" 119+51	X		D11-1M	END	24X6	1.0	SB			INSTALL ABOVE BIKE ROUTE
117	"AB" 119+51	X		D11-1	BIKE ROUTE	24X18	3.0	SB			
118	"AB" 119+58	X		R3-17	BIKES RIGHT LANE ONLY	24X30	5.0	NB			
119	"AB" 120+50	X		D11-1K	BEGIN	24X6	1.0	NB			INSTALL ABOVE BIKE ROUTE
120	"AB" 120+50	X		D11-1	BIKE ROUTE	24X18	3.0	NB	1	2.5	
121	"AB" 120+20		X	R5-1	DO NOT ENTER	30X30	6.25	WB	1	2.5	
122	"AB" 120+58	X		R1-1	STOP	30X30	6.25	EB			
123	"AB" 120+62	X		R5-1	DO NOT ENTER	30X30	6.25	WB	1	2.5	INSTALL NEXT TO STOP SIGN
124	"AB" 120+70	X		-	NONE						REMOVE POST NEXT TO BUS STOP SIGN

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JUNEAU

DOUGLAS HIGHWAY  
PAVEMENT REHABILITATION  
PROJECT NO. 71661  
SIGNING SUMMARIES

ALASKA

## SIGNING SCHEDULE

SIGN NO.	STATION	OFFSET		CODE NO. (ASDS)	LEGEND	SIZE IN.	AREA S.F.	FACING TRAFFIC	NO. OF POSTS	POST SIZE IN.	REMARKS
		LT.	RT.								
125	"AB" 120+70	X		-	BUS STOP			NB			MOVE SIGN UP ON EXISTING POST
	EQUATION										
126	"AB" 95+40		X	-	NONE						REMOVE RUSTY SIGN POST
127	"AB" 96+93		X	S2-1	SCHOOL CROSSING	36X36	9.0	NB			INSTALL NEW 2.5 INCH PIPE SIGN BRACKETS
128	"AB" 96+93	X	RT	D3-1	3RD ST	24X8	1.33	E&WB			INSTALL ABOVE STOP
129	"AB" 96+93	X	RT	D3-1	1 ST	18X8	1.0	N&SB			INSTALL ABOVE STOP
130	"AB" 96+93	X	RT	R1-1	STOP	30X30	6.25	EB	1	2.5	
131	"AB" 98+97	X		R1-1	STOP	30X30	6.25	WB			
132	"AB" 99+40	X		S5-1	SCHOOL SPEED LIMIT 20 WHEN FLASHING	24X48	8.0	NB			INSTALL NEW 4 INCH PIPE SIGN BRACKETS
133	"AB" 99+43		X	D3-1	H ST	12X8	0.67	N&SB			INSTALL ABOVE 3RD ST
134	"AB" 100+40		X	R2-1	SPEED LIMIT 30	30X36	7.5	SB			INSTALL NEW 2.5 INCH PIPE SIGN BRACKETS
135	"AB" 101+50	X		R1-1	STOP	30X30	6.25	WB			
136	"AB" 101+90		X	R1-1	STOP	30X30	6.25	EB			
137	"AB" 101+90	X		S1-1	SCHOOL ADVANCE	36X36	9.0	NB			
138	"AB" 103+00		X	R7-107L	NO PARKING ANYTIME	12X18	1.5	WB			
139	"AB" 104+43		X	R1-1	STOP	30X30	6.25	EB			
140	"AB" 107+10	X		SPECIAL	2 HR PARKING 9AM TO 6PM EXCEPT SUN & STATE HOLIDAYS	12X18	1.5	NB			
141	"AB" 107+00	X		R7-106L	NO PARKING LOADING ZONE	12X18	1.5	EB			
142	"AB" 106+48	X		R1-1	STOP	30X30	6.25	WB			
143	"AB" 106+93		X	R1-1	STOP	30X30	6.25	EB			
144	"AB" 108+98	X		R1-1	STOP	30X30	6.25	WB			
145	"AB" 109+43		X	R1-1	STOP	30X30	6.25	EB			
146	"AB" 110+68	X		R7-106L	NO PARKING LOADING ZONE	12X18	1.5	EB			
147	"AB" 110+68	X		SPECIAL	2HR PARKING 9AM TO 6PM EXCEPT SUN & STATE HOLIDAYS	12X18	1.5	NB			
148	"AB" 111+00		X	SPECIAL	2HR PARKING 9AM TO 6PM EXCEPT SUN & STATE HOLIDAYS	12X18	1.5	SB			
149	"AB" 111+50	X		R6-1L	ONE WAY	36X12	3.0	SB	1	2.5	
150	"AB" 111+50	X		R6-1R	ONE WAY	36X12	3.0	NB			BACK TO BACK W/ABOVE
151	"AB" 111+90		X	R1-1	STOP	30X30	6.25	EB			
152	"AB" 112+90		X	SPECIAL	2HR PARKING 9AM TO 6PM EXCEPT SUN & STATE HOLIDAYS	12X18	1.5	SB			SIMILAR TO R7-108
153	"AB" 113+15	X		R2-1	SPEED LIMIT 30 40	30X36	7.5	NB	1	2.5	
154	"AB" 114+40		X	R1-1	STOP	30X30	6.25	EB			
155	"AB" 114+43	X		R1-1	STOP	30X30	6.25	WB			

### GENERAL SIGNING NOTES

1. SIGN LOCATIONS ARE APPROXIMATE ONLY AND ARE SUBJECT TO MINOR REVISIONS.
2. ALL EXISTING SIGNS SHALL BE REMOVED AND SALVAGED AND DELIVERED TO THE DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES AT MILE 7 OLD GLACIER HIGHWAY.
3. ALL SIGN POSTS SHALL BE TELESCOPING PERFORATED GALVANIZED STEEL; THE 2" SIZE SHALL BE USED ABOVE GROUND AND THE 2 1/4" SHALL BE USED BELOW GROUND.
4. ALL D3-1 STREET NAME SIGNS SHALL HAVE THE LEGEND ON BOTH FACES.
5. ALL D3-1 STREET NAME SIGNS SHALL BE EXTRUDED ALUMINUM PANELS.
6. ALL PARKING SIGNS SHALL FACE 45 DEGREES TO TRAFFIC.

PATH:	DATE:	DESCRIPTION OF CHANGE:
P:\JNU\71661\DR\SUM3 < PLOT1.PCP(1) OR PLOT2.PCP(2) >		

RECORD OF REVISIONS

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

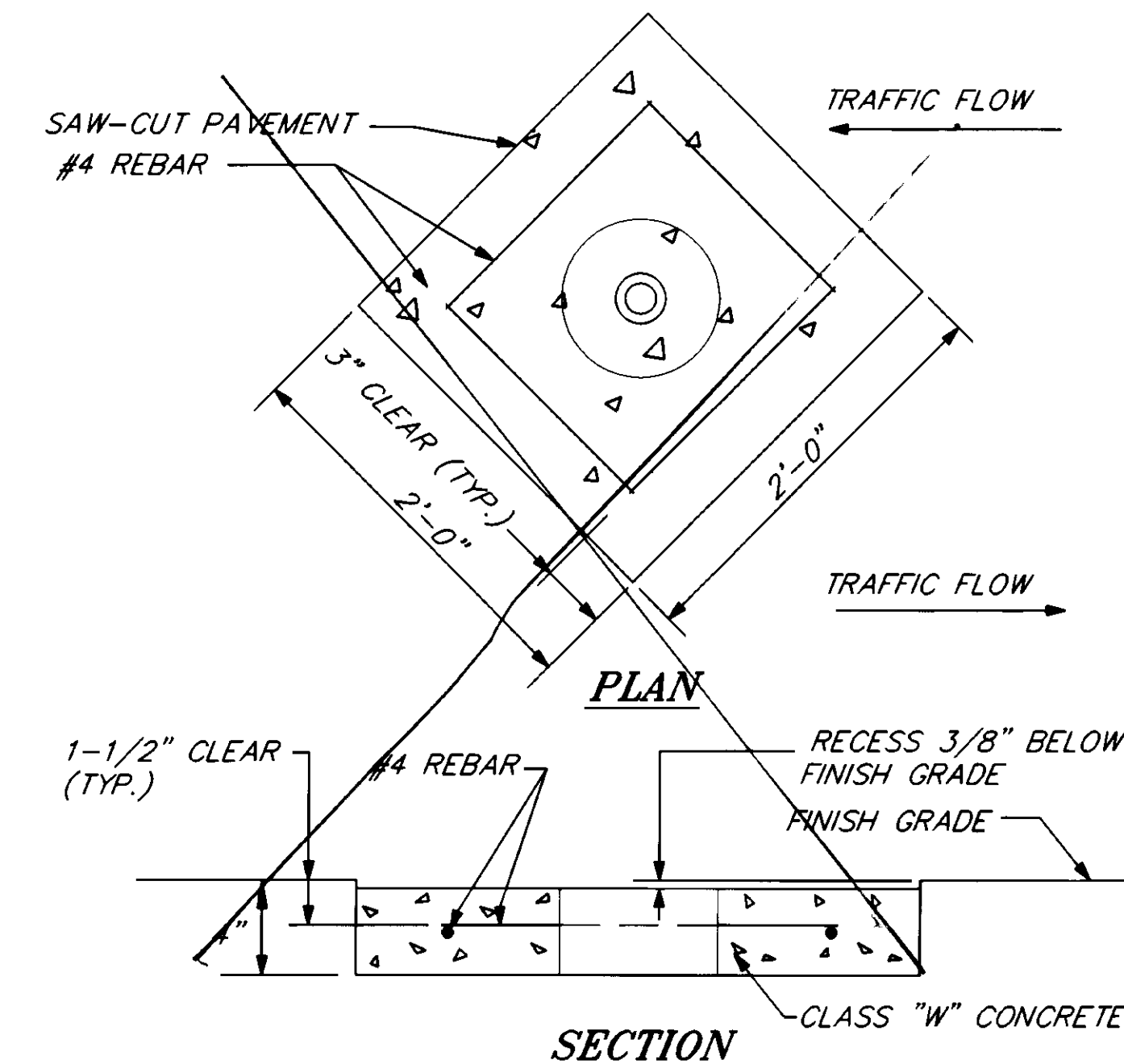
JUNEAU

DOUGLAS HIGHWAY  
PAVEMENT REHABILITATION  
PROJECT NO. 71661  
**SIGNING SUMMARIES**

ALASKA

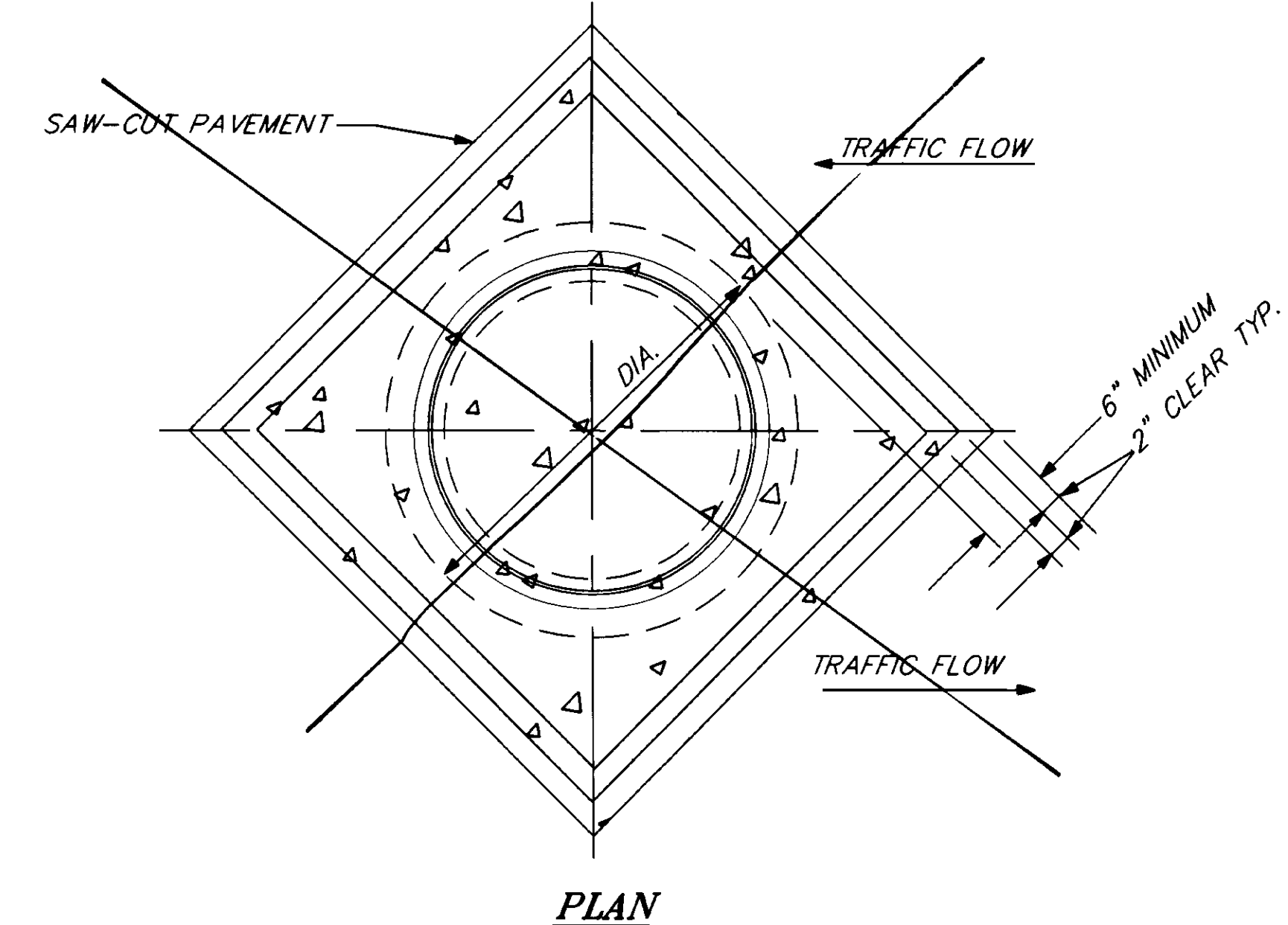
DESIGNED BY: <b>F. MURPHY</b>	PROJECT NO. <b>71661</b>
DRAWN BY: <b>K. KLEMMETSON</b>	DATE: <b>1995</b>
CHECKED BY: <b>T. MOORE</b>	SHEET <b>9</b> OF <b>21</b>

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS



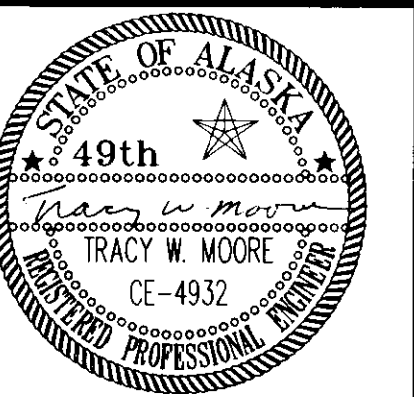
### MONUMENT AND VALVE BOX ENCASUREMENT DETAIL

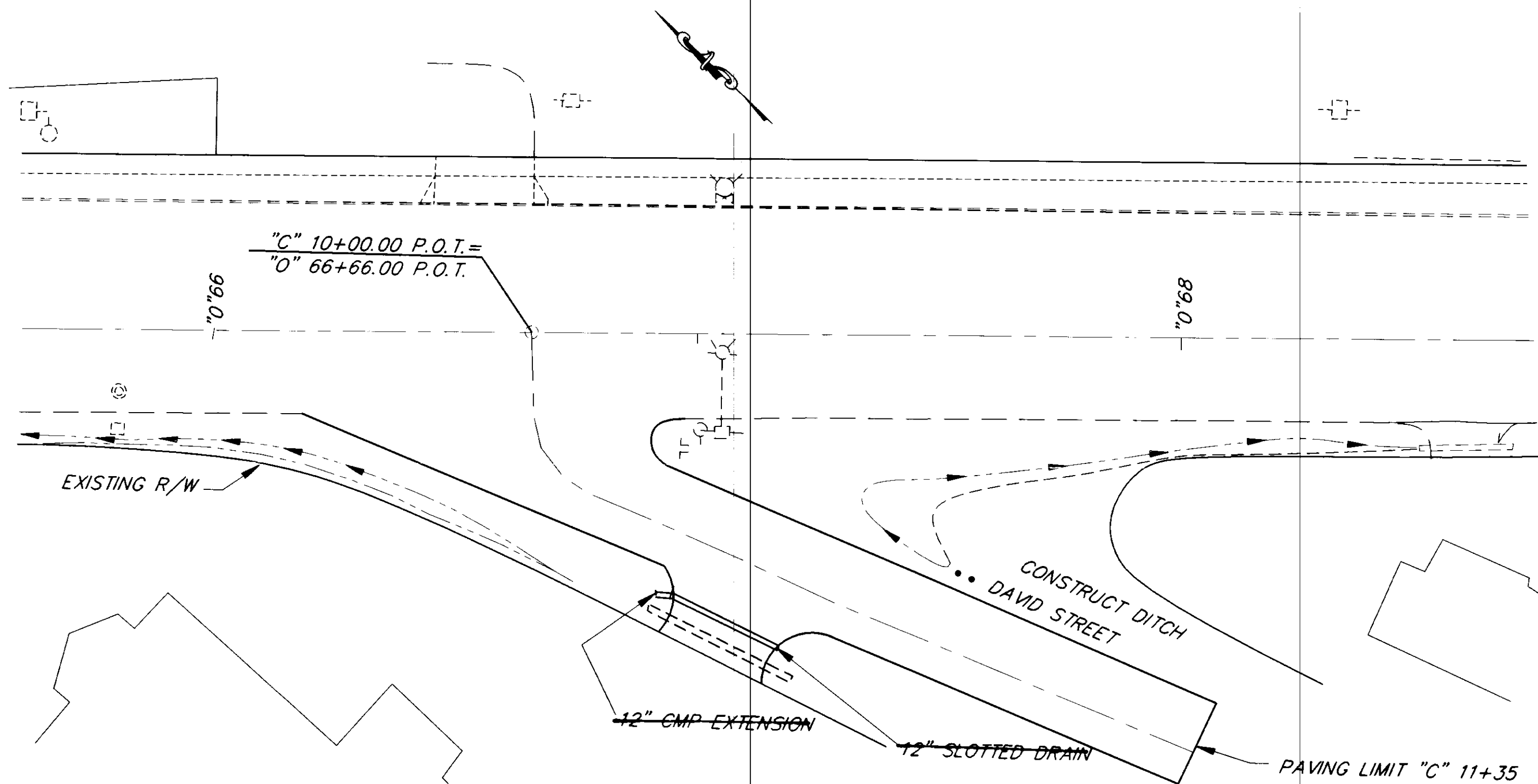
USED { ALTERNATE METHOD: PAVE AROUND AND SEAL EDGE WITH RUBBERIZED ASPHALTIC MASTIC THAT HAS BEEN GROOVED INTO ASPHALT CONCRETE 1 INCH AROUND METAL FLANGE. CONTRACTOR TO SUBMIT DETAIL FOR APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION. }



### MANHOLE ENCASUREMENT DETAIL

**AS-BUILT**  
BY: **B.A.** DATE: **11-96**

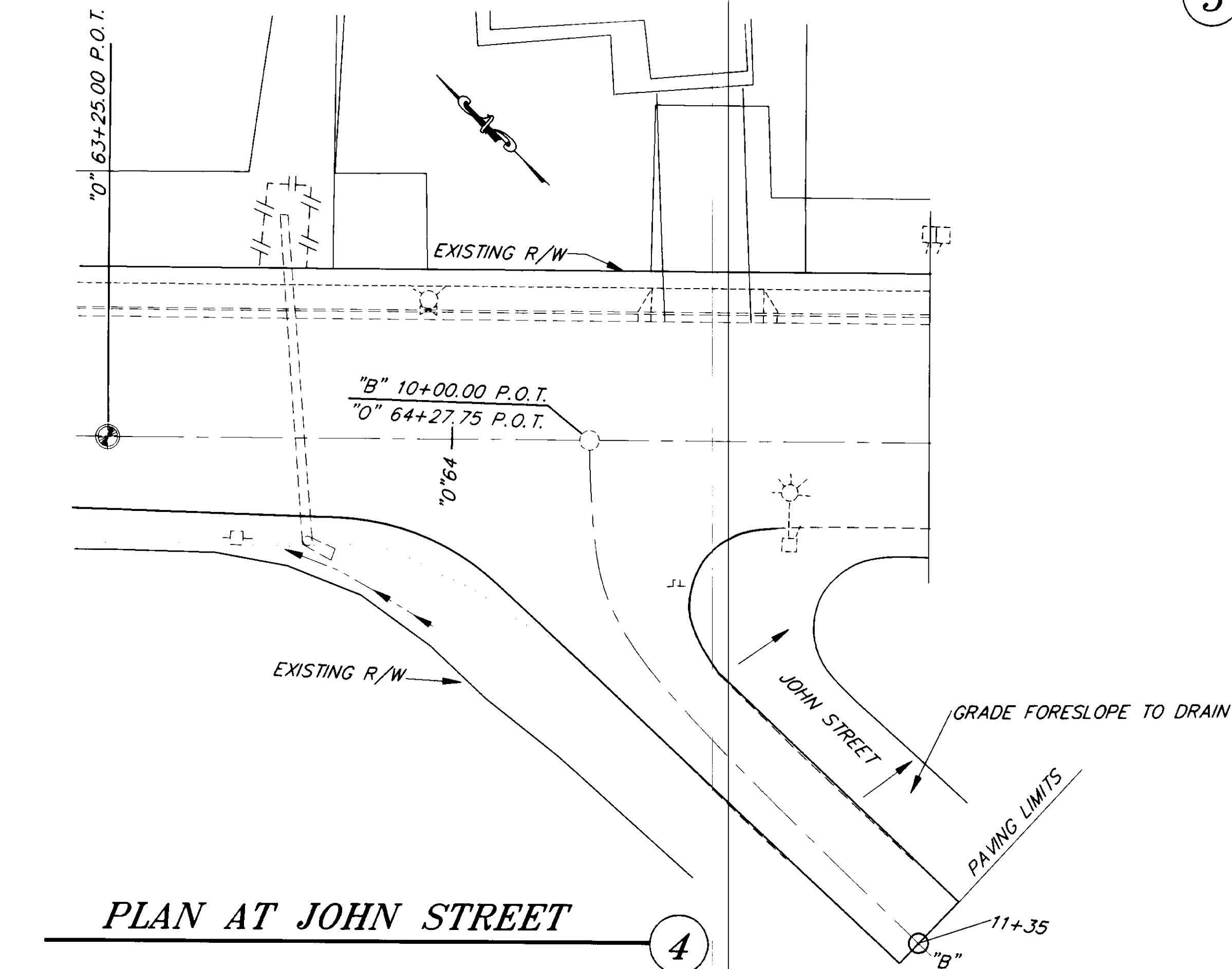




\*NOTE: NEW DITCH WILL BE PAID FOR AS DITCH RECONDITIONING.

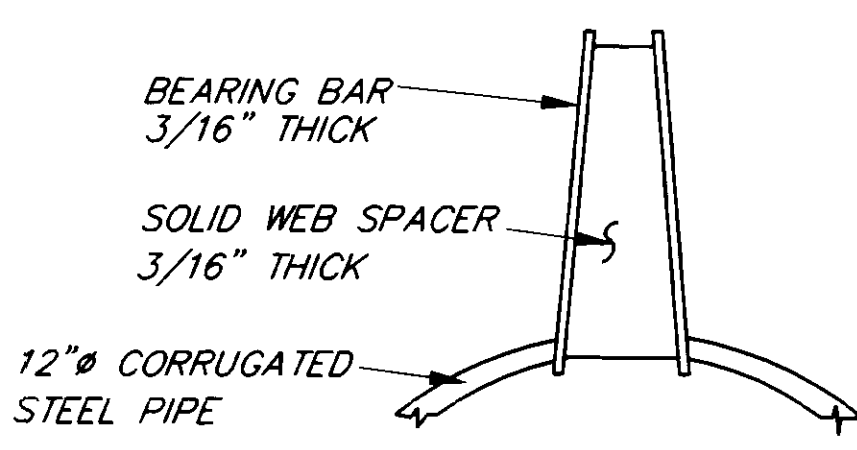
**PLAN AT DAVID STREET**

3



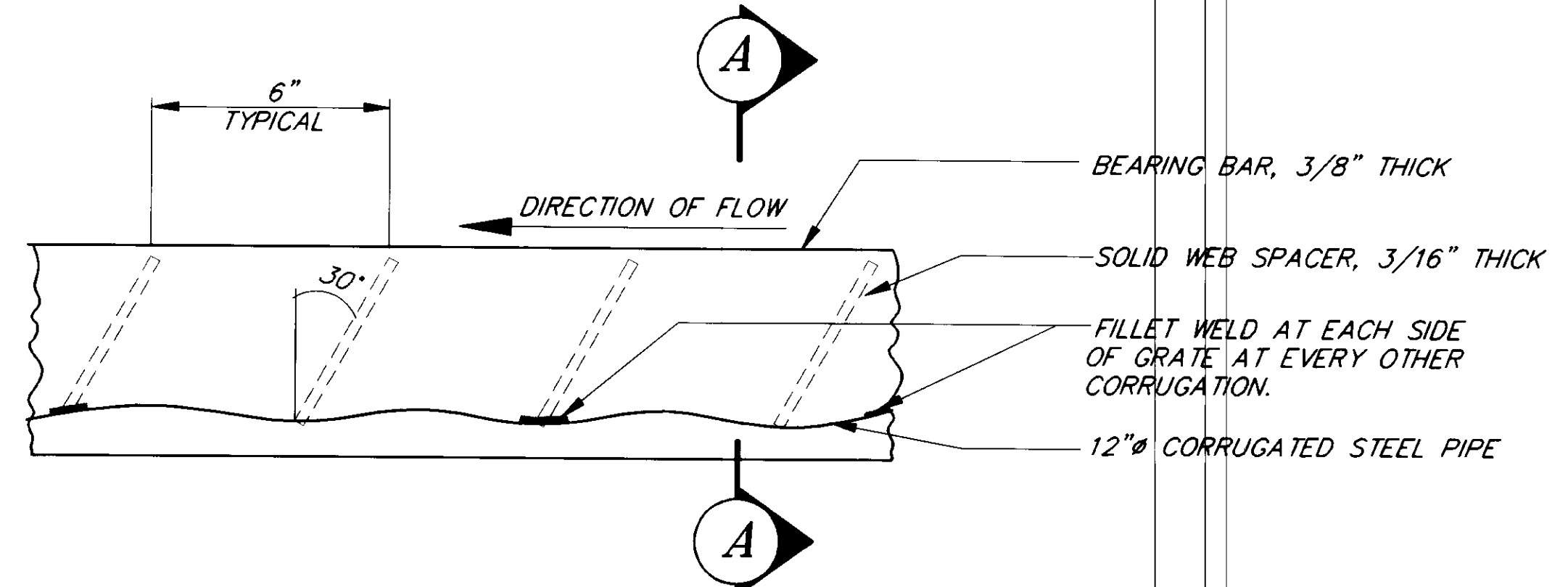
**PLAN AT JOHN STREET**

4



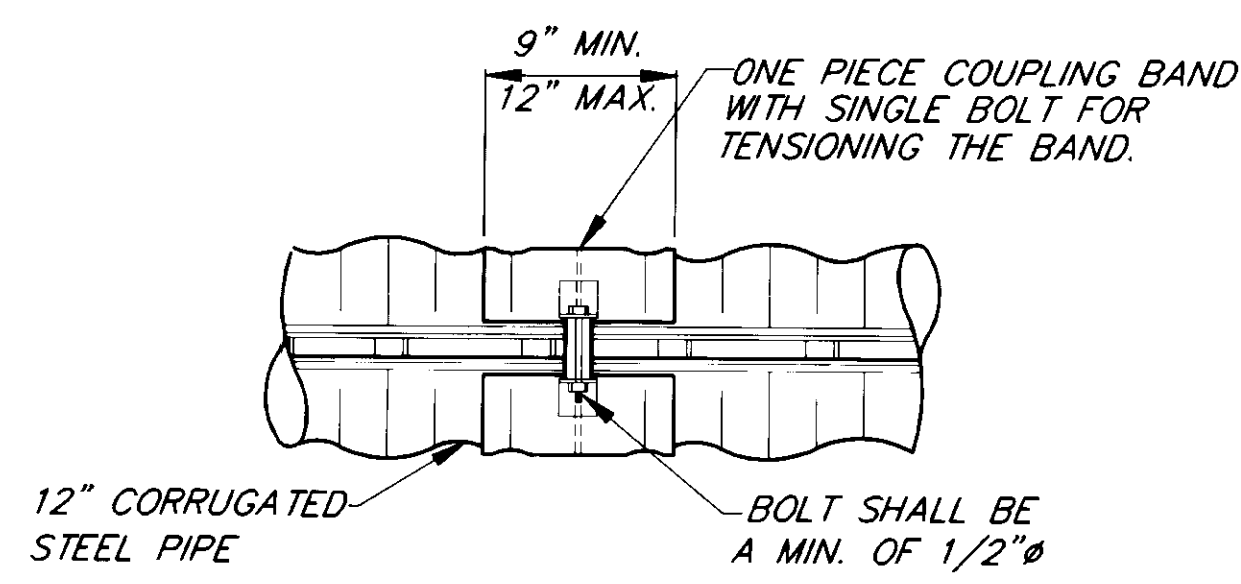
**SECTION A-A  
STANDARD GRATE DETAIL**

DELETED



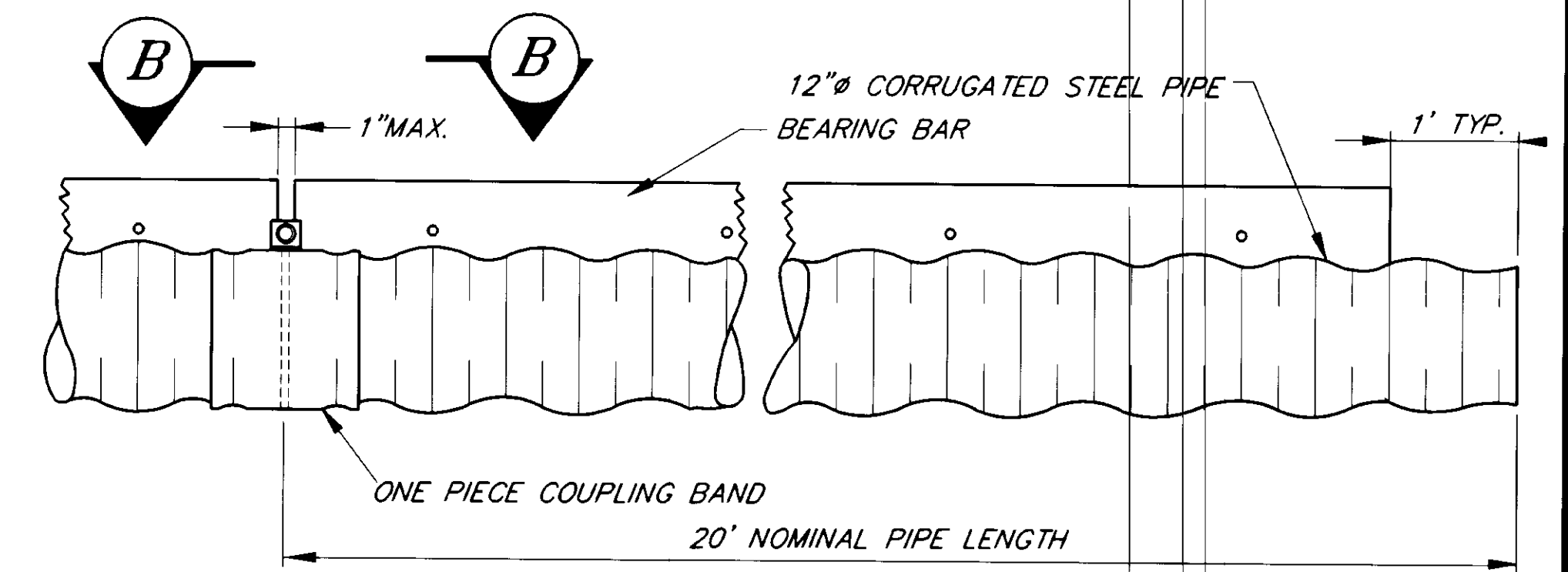
**GRATE WELDING DETAIL**

DELETED



**SECTION B-B**

DELETED



**TYPICAL SLOTTED DRAIN**

**PIPE SECTION**

DELETED

**SLOTTED DRAIN PIPE NOTE**

DELETED

1. SLOTTED DRAIN PIPE SHALL BE GALVANIZED 12" NOMINAL DIAMETER AND MIN. THICKNESS OF 0.079".
2. THE GRATE ASSEMBLIES SHALL BE HOT DIP GALVANIZED AFTER FABRICATION TO MEET THE REQUIREMENTS OF ASTM A-123.
3. WEB SPACERS SHALL BE JOINED TO THE BEARING BARS IN SUCH A MANNER THAT THE 6" DEEP GRATING SHALL PROVIDE 15,000 LBS. OF TENSION ACROSS THE SLOT.
4. ONE PIECE COUPLING BAND SHALL BE USED FOR CONNECTION BETWEEN PIPES. A SINGLE BOLT, 1/2" MIN. DIAMETER, FOR TENSIONING THE COUPLING BAND IS REQUIRED.
5. COUPLING BAND SHALL BE THE SAME BASE METAL AND GALVANIZED AS THE PIPE.

AS-BUILT

AS-BUILT  
BY: B.A. DATE: 11-96

BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU

DOUGLAS HIGHWAY  
PAVEMENT REHABILITATION  
PROJECT NO. 71661  
DETAILS

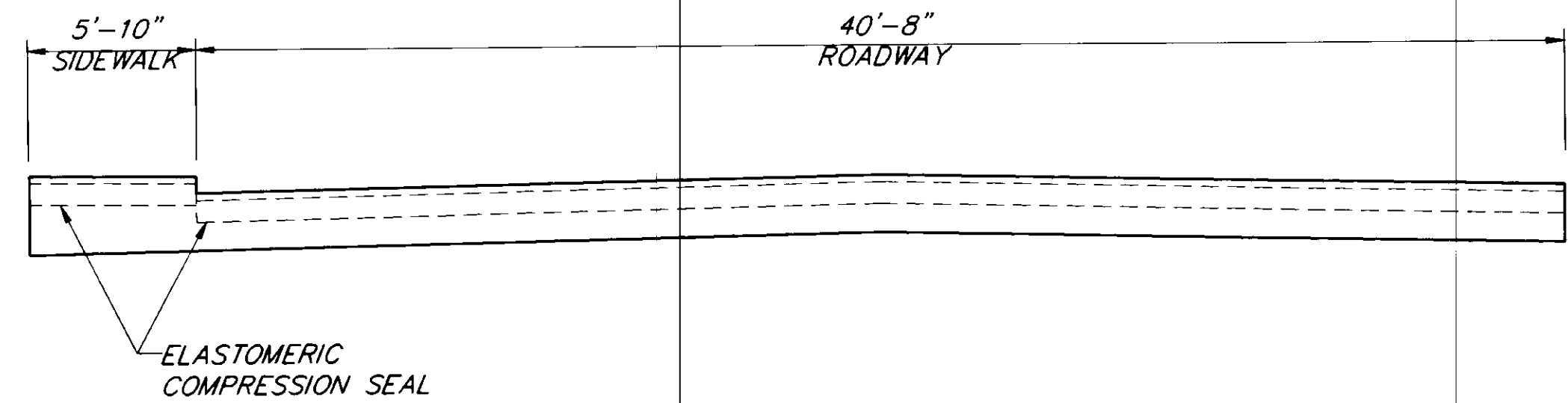
ALASKA

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

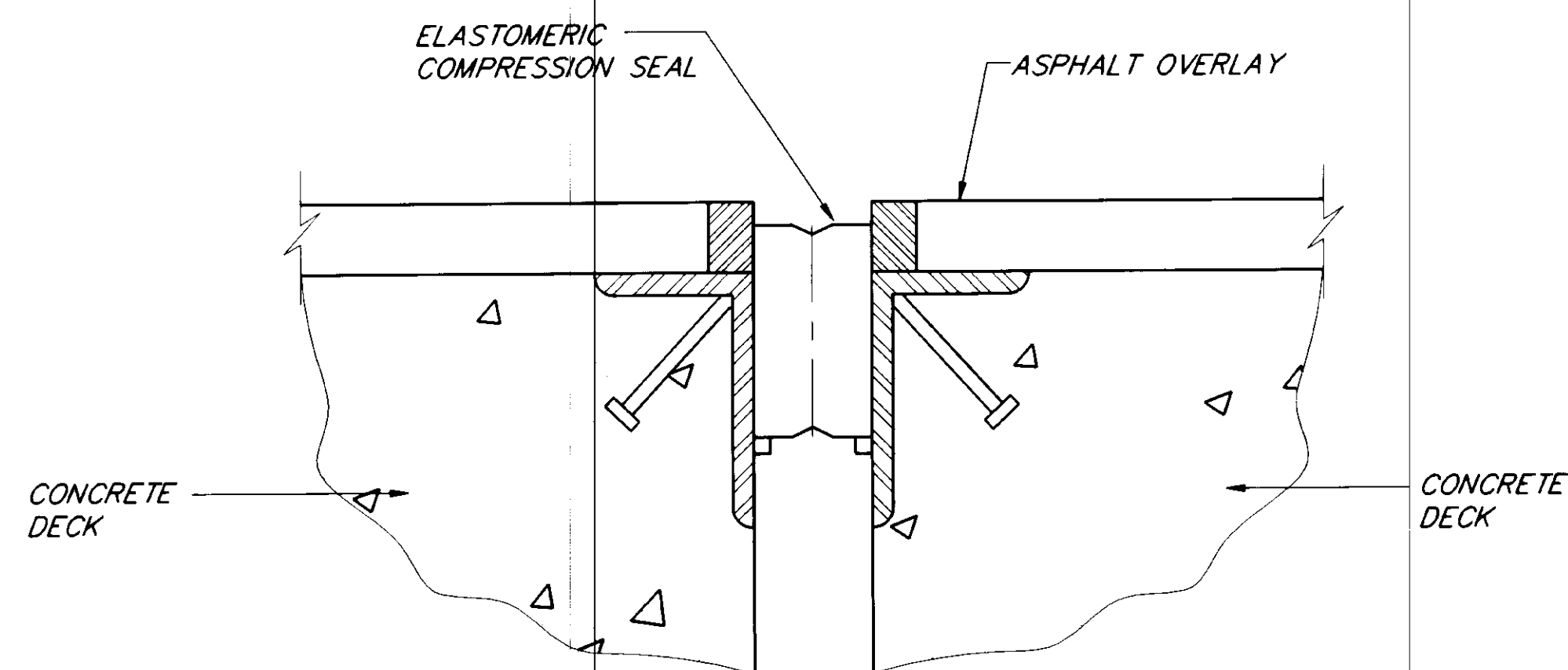
DESIGNED BY: F. MURPHY	PROJECT NO. 71661
DRAWN BY: K. KLEMMETSON	DATE: 1995
CHECKED BY: T. MOORE	SHEET 10 OF 21



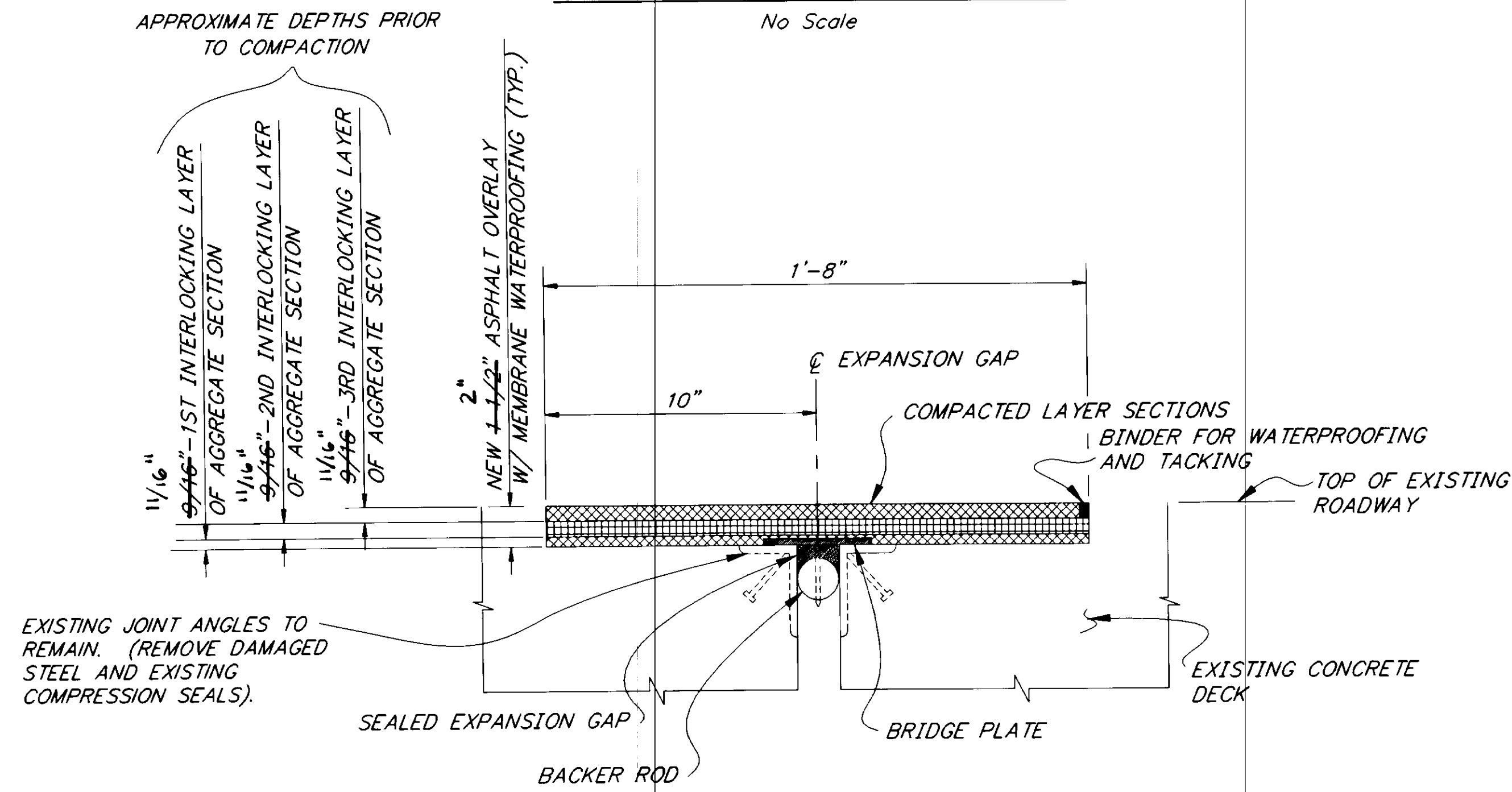
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	71661	1995	II	21



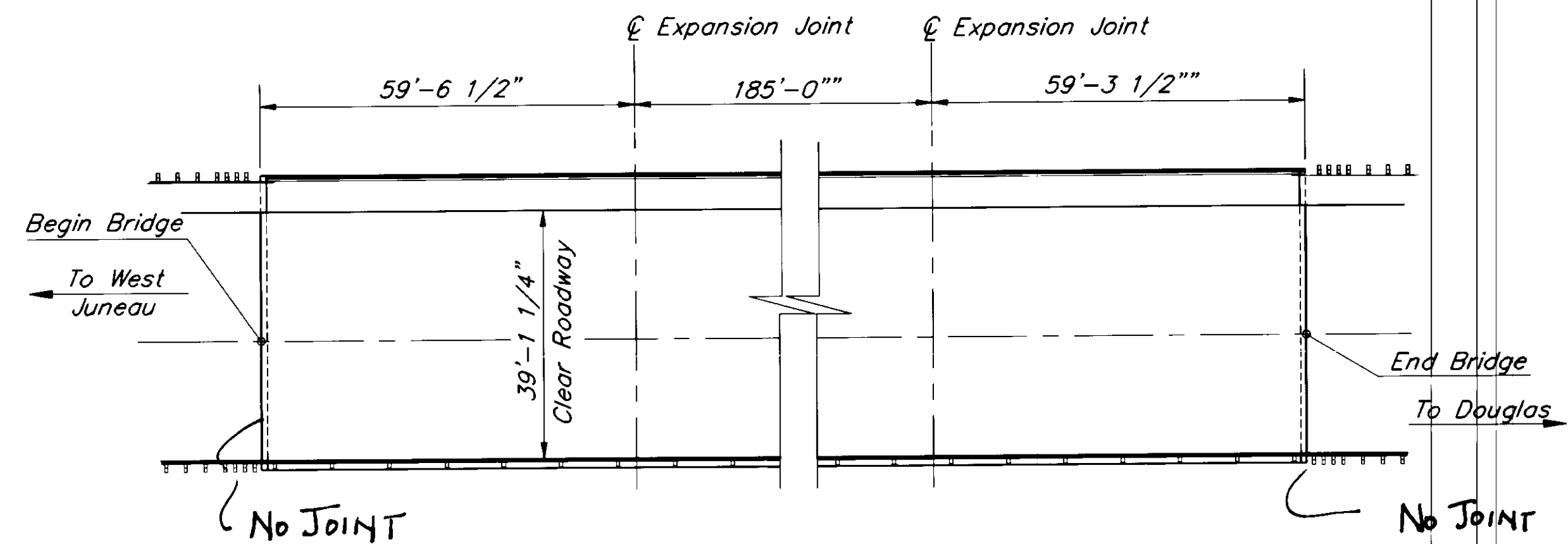
DECK SECTION  
No Scale



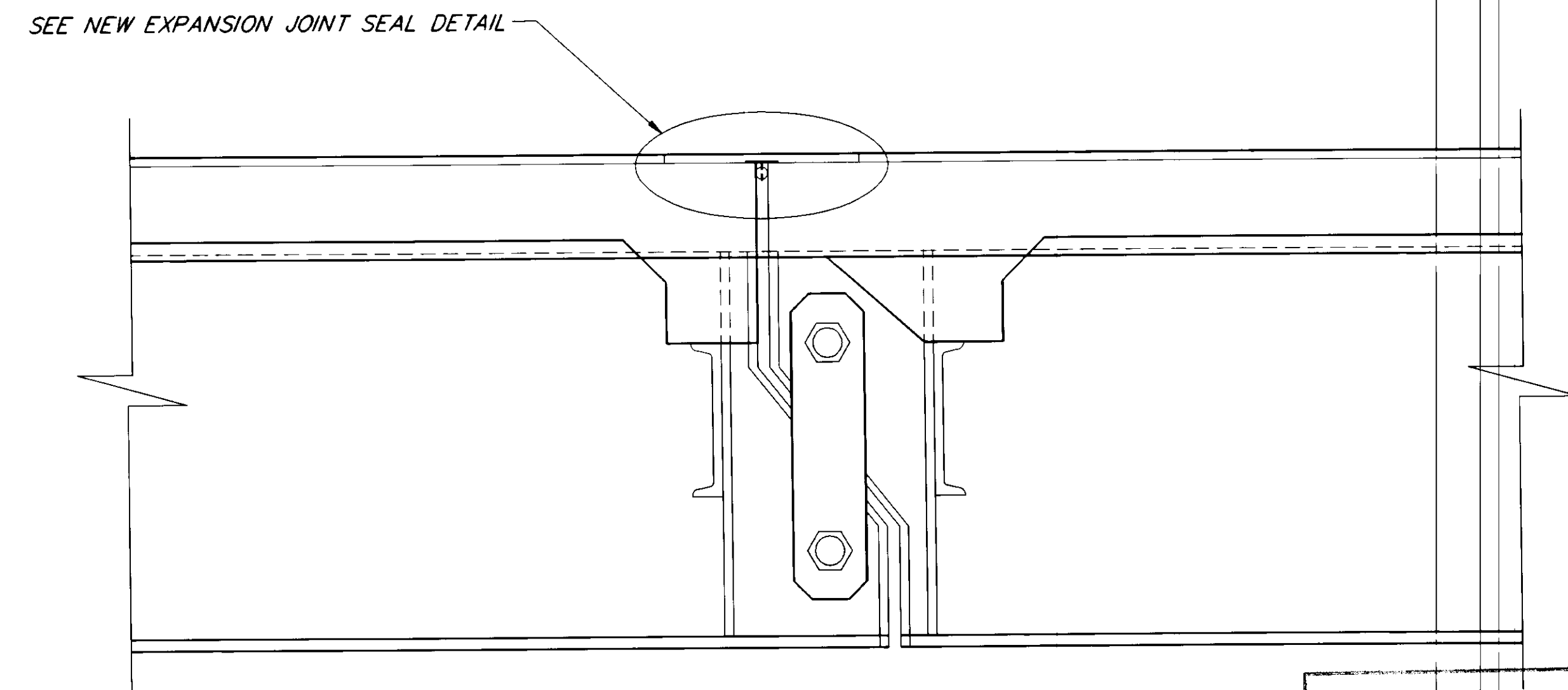
EXISTING DECK JOINT SEAL  
No Scale



NEW EXPANSION JOINT SEAL  
No Scale



PLAN  
10 0 20 40  
Feet



TYPICAL EXPANSION JOINT  
No Scale

**AS-BUILT**  
BY: B.B. DATE: 11-96

JNU-DOUGLAS HIGHWAY  
PAVEMENT REHABILITATION  
ROUTE NO. F-095  
LAWSON CREEK BRIDGE

STATE of ALASKA  
DEPARTMENT of TRANSPORTATION  
and PUBLIC FACILITIES  
JUNEAU, ALASKA

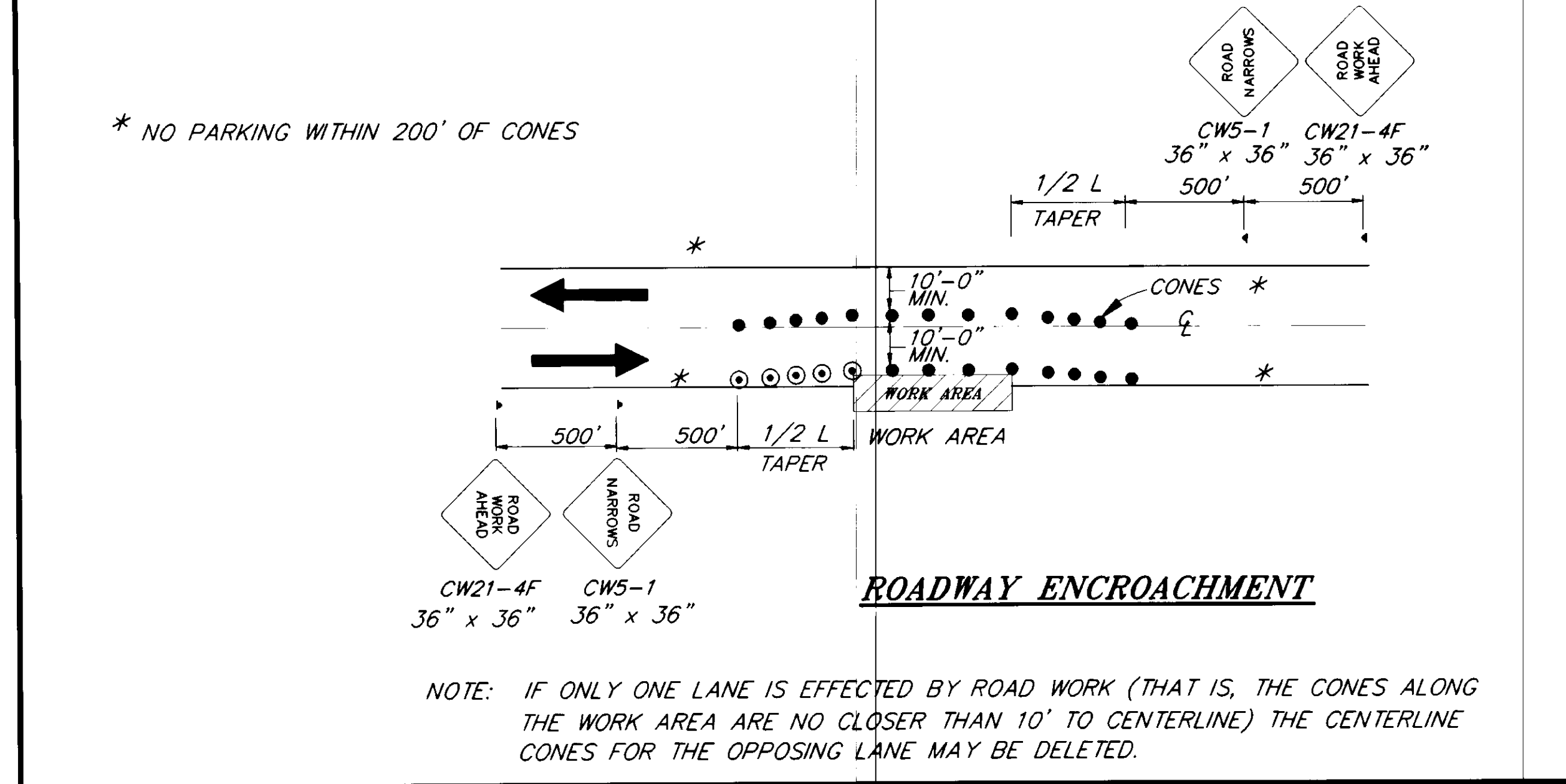
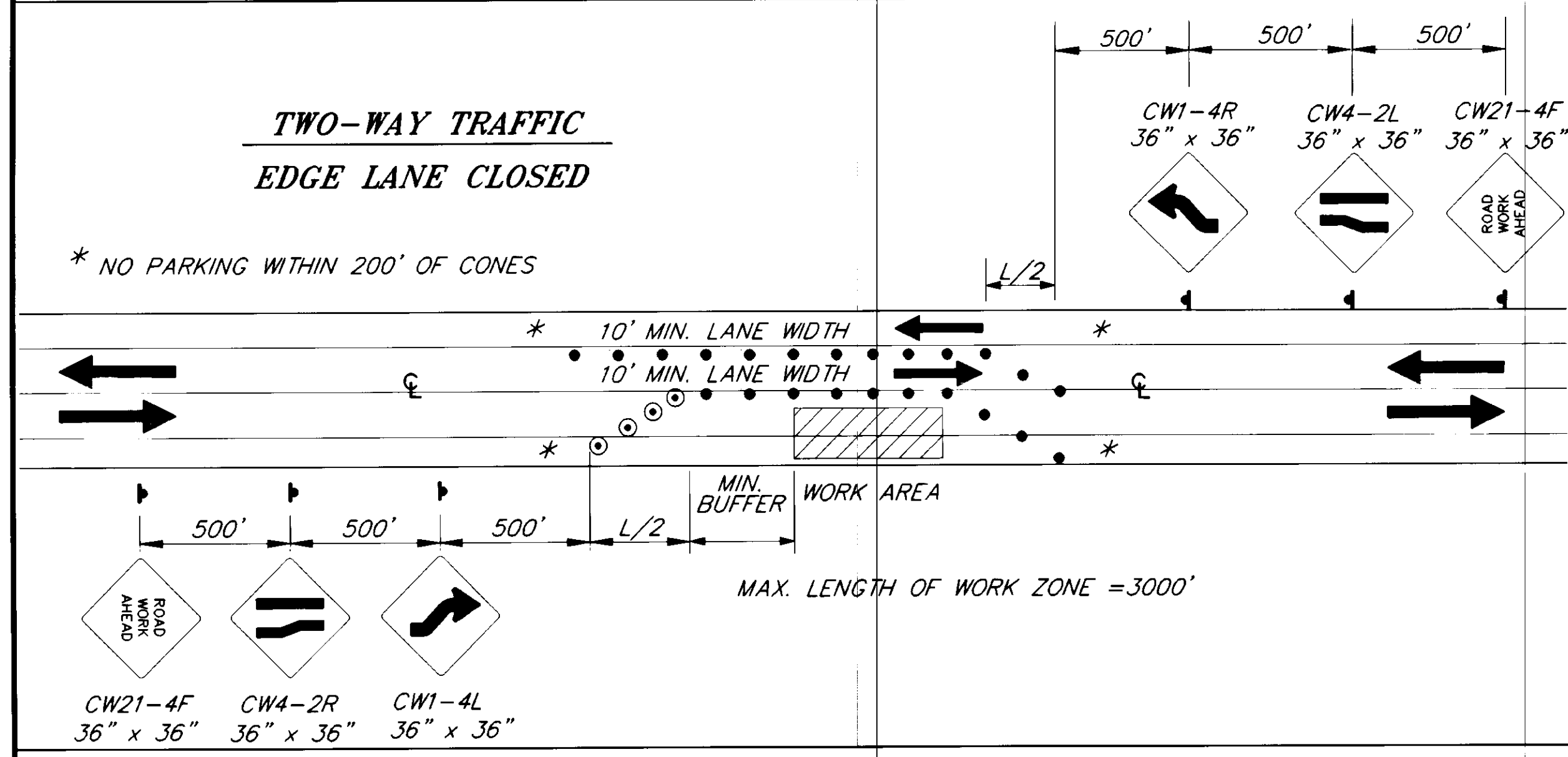
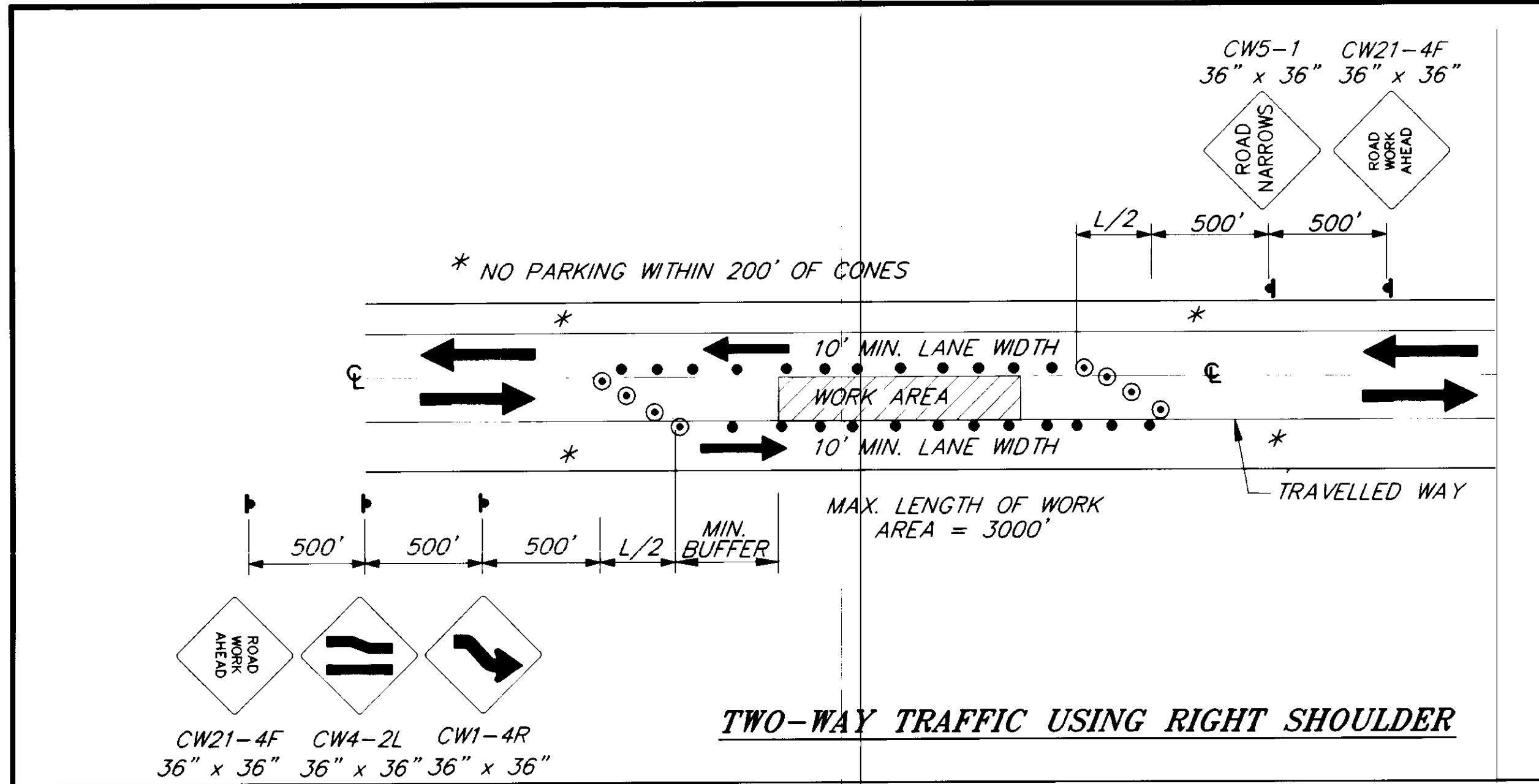


BRIDGE NO. 788  
DWG. NO. 1

**BRIDGE JOINT SYSTEM DETAILS**

# TRAFFIC CONTROL NOTES

- SEE SECTION 643-3.08 OF THE SPECIAL PROVISIONS FOR RESTRICTIONS ON LANE CLOSURES.
- WORK ZONE TRAFFIC CONTROL SHALL NOT BE SET UP FOR A GREATER DISTANCE THAN THE CONTRACTOR'S OPERATION CAN COVER IN FOUR HOURS. IN NO CASE SHALL IT EXCEED THE MAXIMUM LENGTH SHOWN ON EACH DETAIL.



NOTE: IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.

## LEGEND

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

## FORMULAS FOR L (TAPER LENGTH)

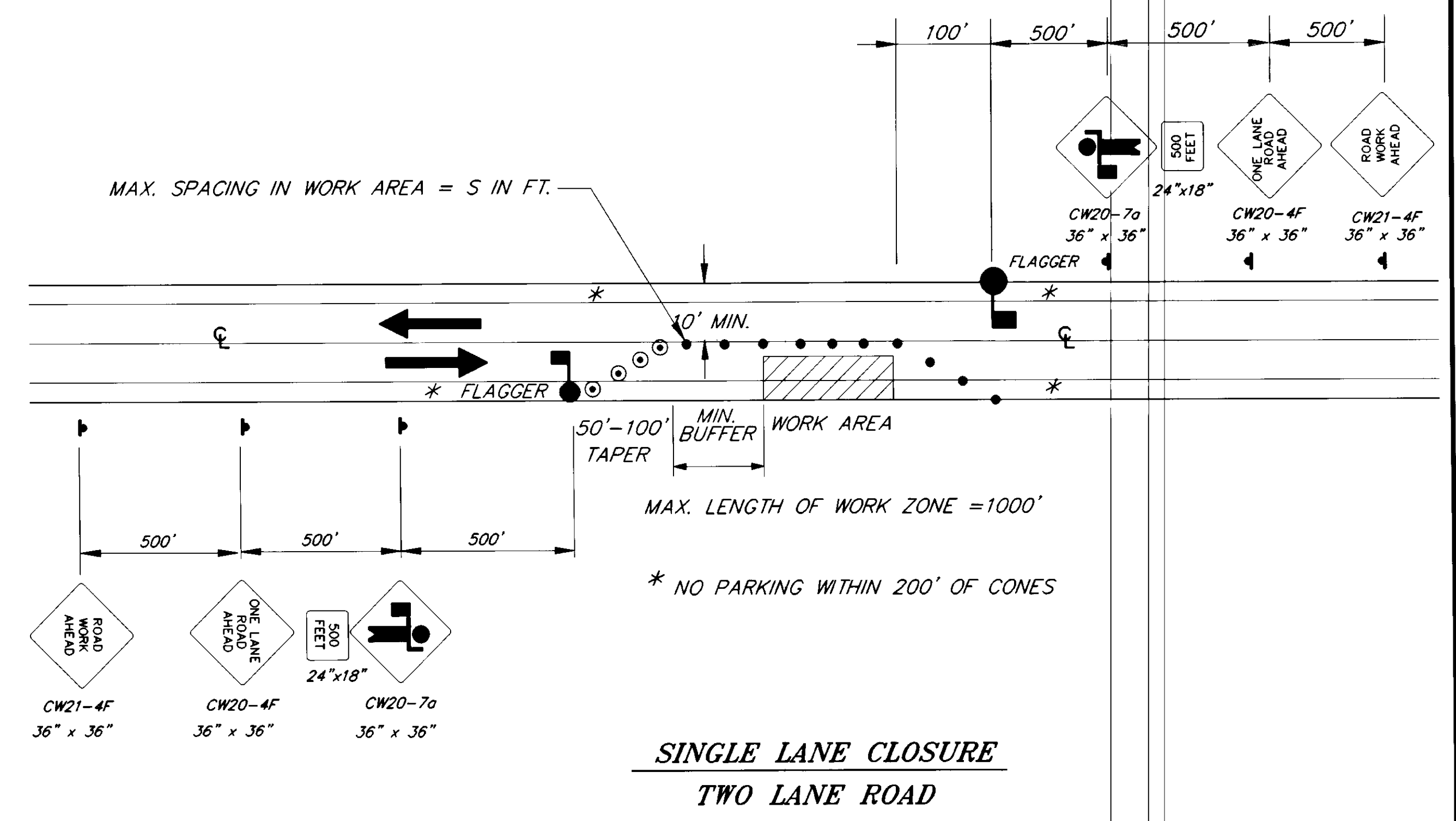
40 MPH OR LESS  $L = \frac{W \times S^2}{60}$

45 MPH OR GREATER  $L = W \times S$

DRUM OR CONE SPACING = S ( IN FEET )

Where W= WIDTH OF OFFSET  
S= POSTED SPEED LIMIT

MIN. BUFFER S	LENGTH
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485



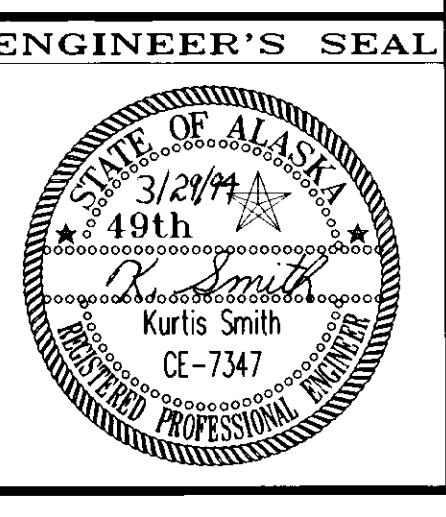
**AS-BUILT**  
BY: B.A. DATE: 11-96

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

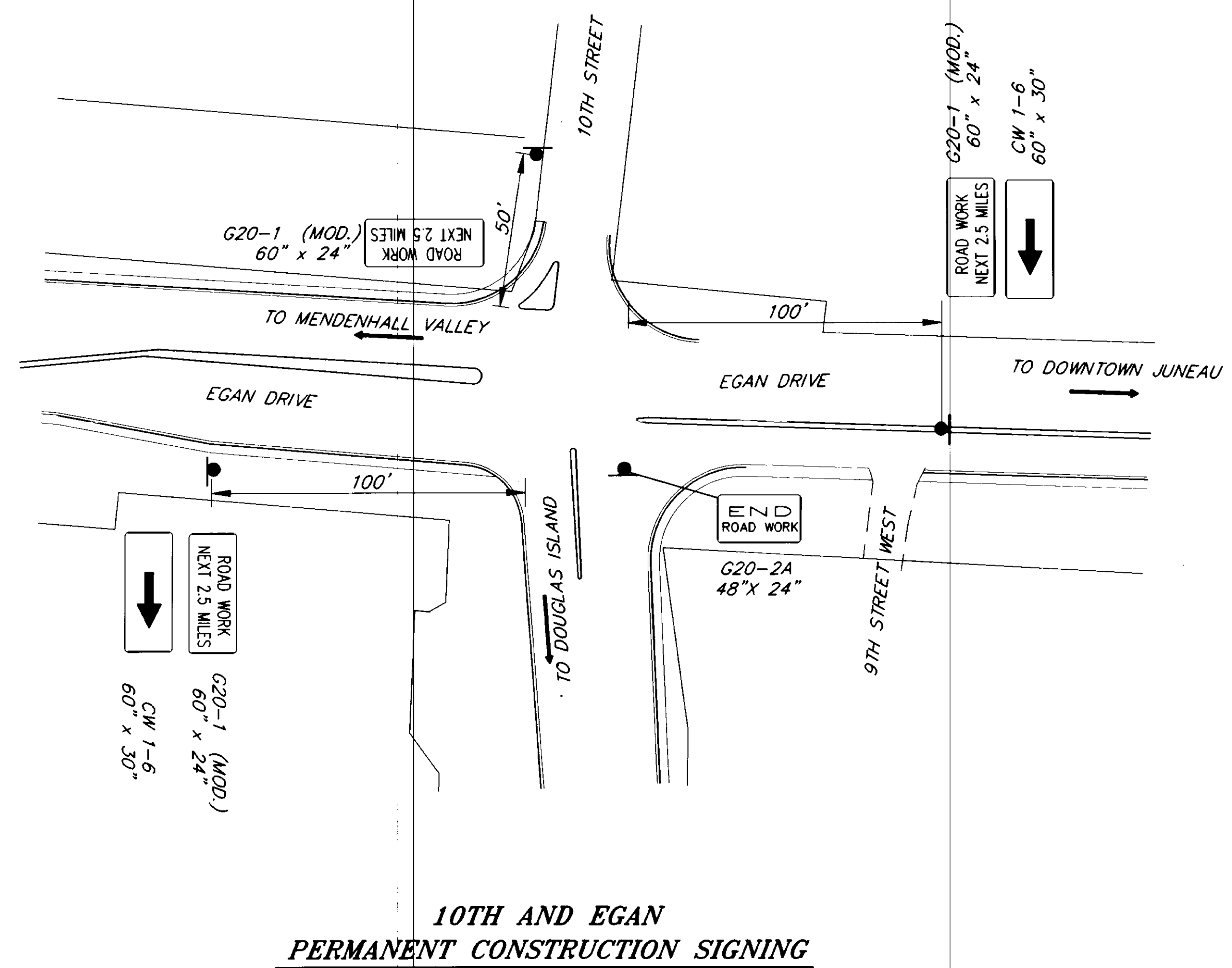
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU  
DOUGLAS HIGHWAY PAVEMENT REHABILITATION  
STP-0958(11) ~ 71661  
ALASKA  
TRAFFIC CONTROL PLAN

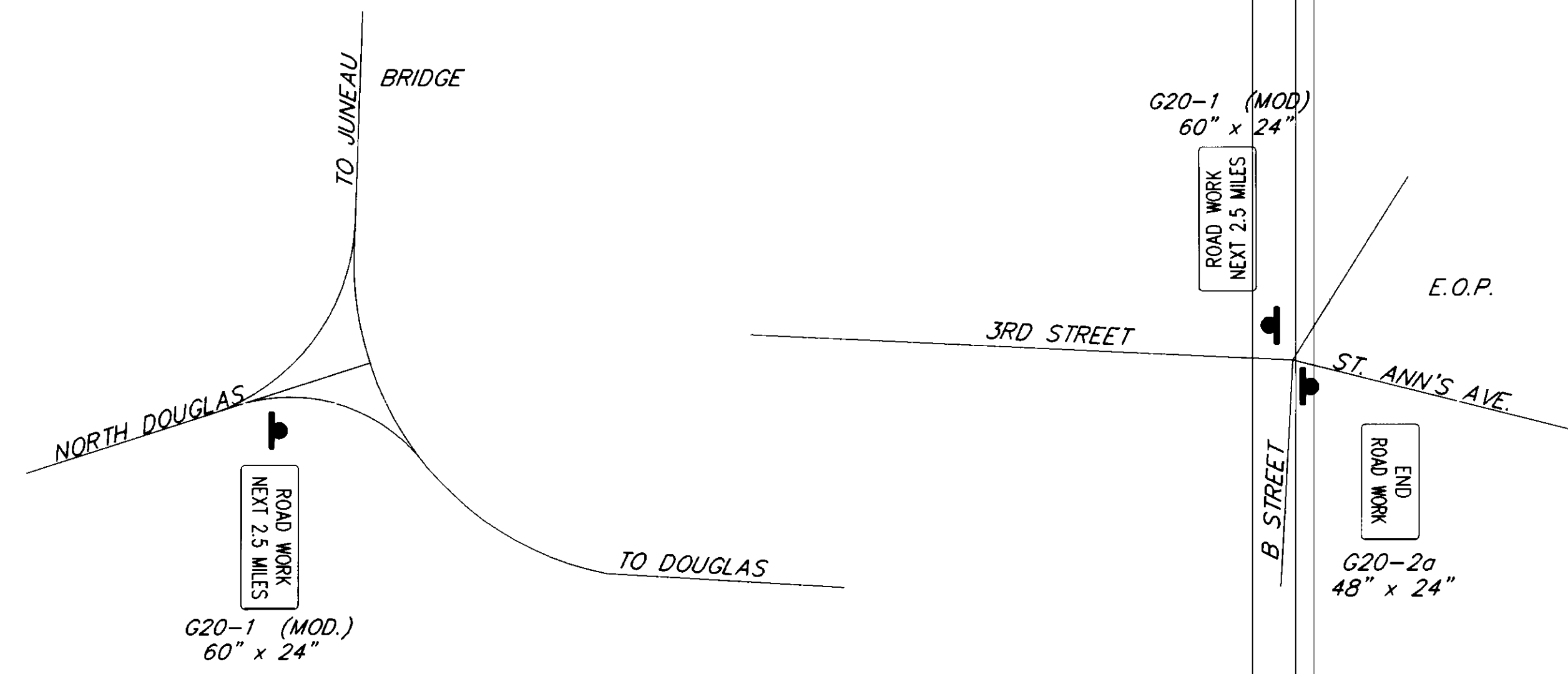
DESIGNED BY:	K. MATTSON	PROJECT NO.:	71661
DRAWN BY:	K. KLEMMETSON	DATE:	1995
CHECKED BY:	K. SMITH	SHEET	12 OF 21



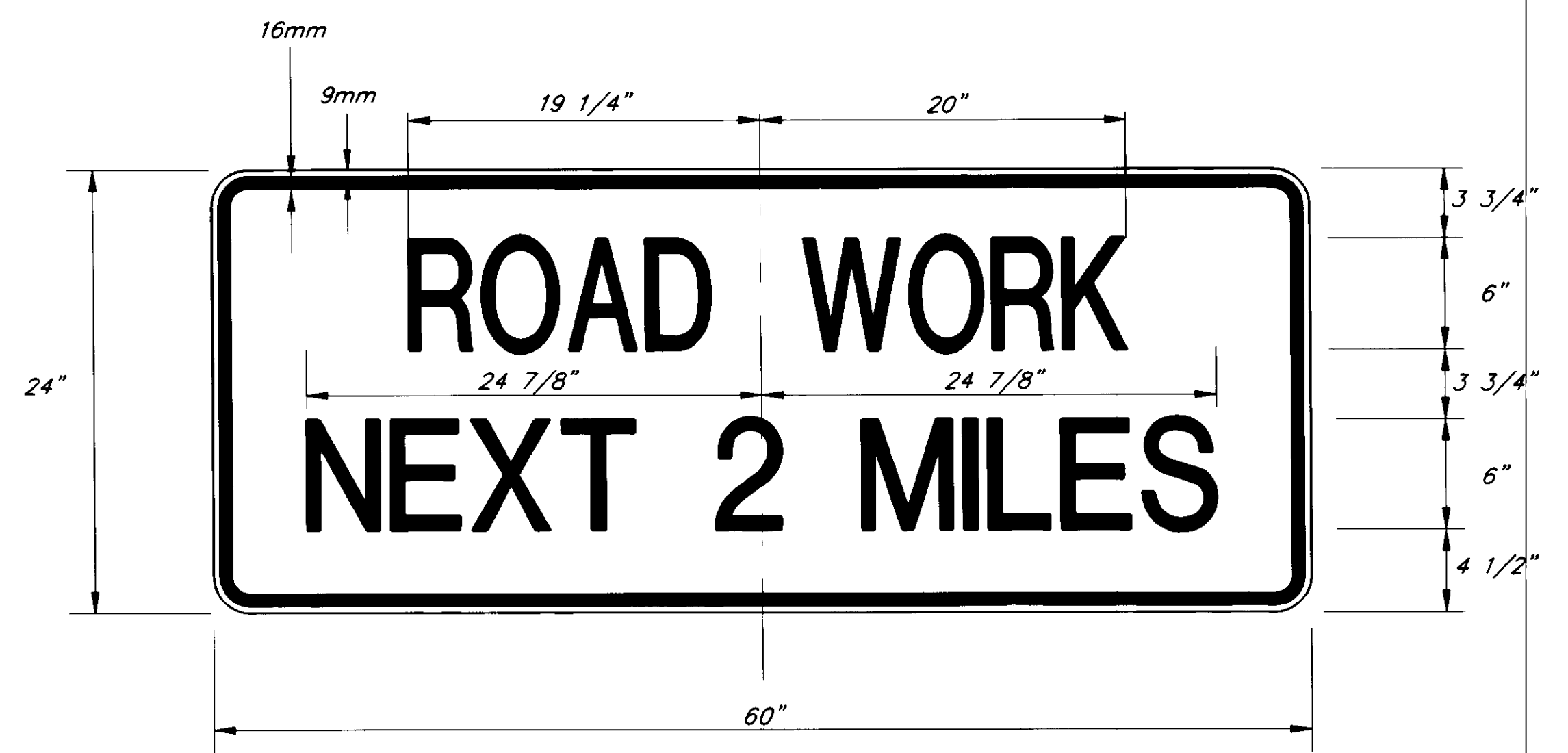
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



**10TH AND EGAN  
PERMANENT CONSTRUCTION SIGNING**



**PERMANENT CONSTRUCTION SIGNING**



**COLORS**  
 LEGEND - BLACK  
 BACKGROUND - ORANGE  
**SIGN DETAIL**

**AS-BUILT**  
 BY: B.D. DATE: 11-96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGE

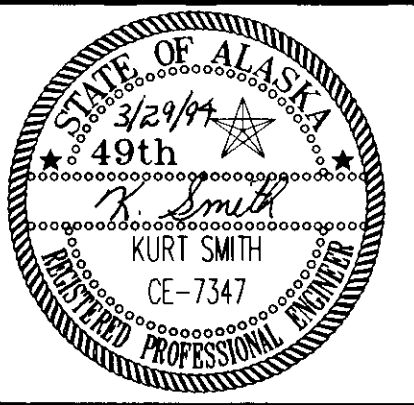
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

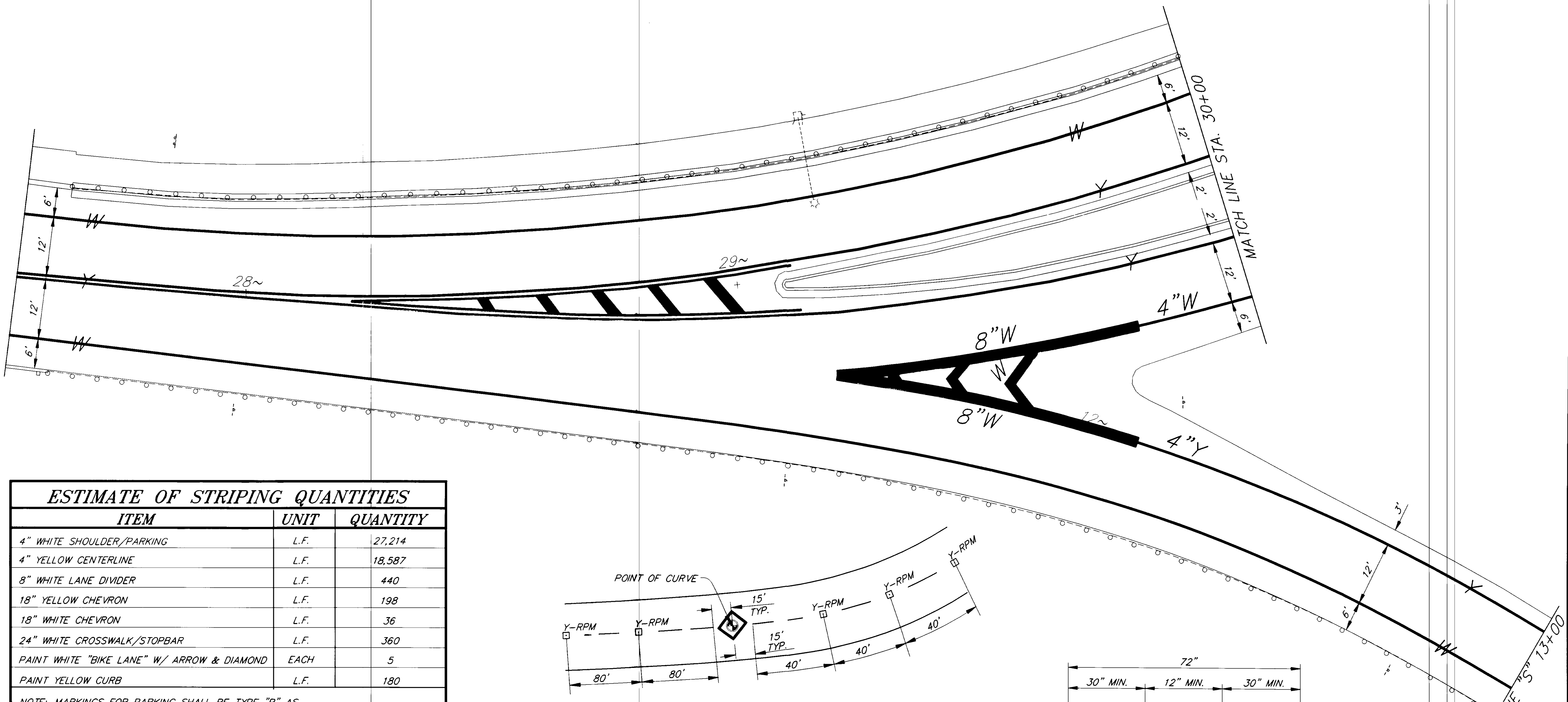
JUNEAU

ALASKA  
 DOUGLAS HIGHWAY  
 PAVEMENT REHABILITATION  
 STP-0958(11) ~ PROJECT NO. 71661  
**TRAFFIC CONTROL PLAN**

ALASKA

DESIGNED BY: K. MATTSON	PROJECT NO. 71661
DRAWN BY: K. MATTSON	DATE: 1995
CHECKED BY: K. SMITH	SHEET 13 OF 21



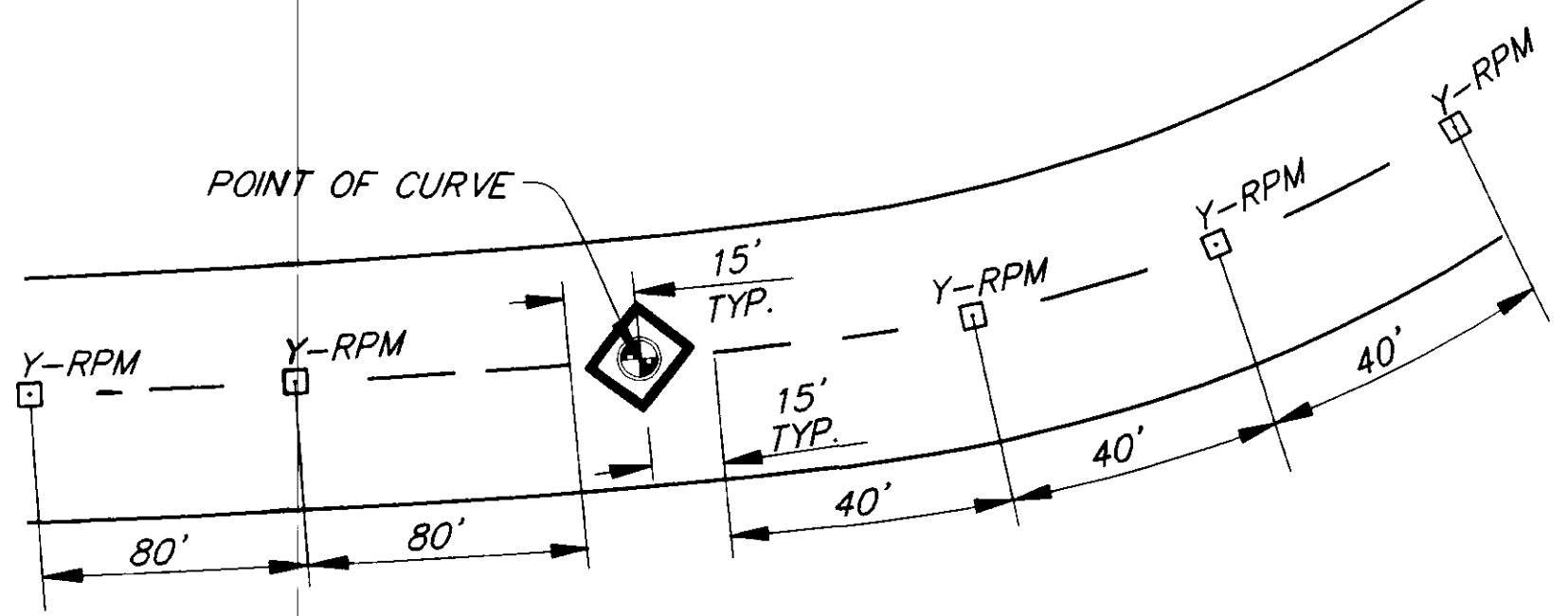


ESTIMATE OF STRIPING QUANTITIES		
ITEM	UNIT	QUANTITY
4" WHITE SHOULDER/PARKING	L.F.	27,214
4" YELLOW CENTERLINE	L.F.	18,587
8" WHITE LANE DIVIDER	L.F.	440
18" YELLOW CHEVRON	L.F.	198
18" WHITE CHEVRON	L.F.	36
24" WHITE CROSSWALK/STOPBAR	L.F.	360
PAINT WHITE "BIKE LANE" W/ ARROW & DIAMOND	EACH	5
PAINT YELLOW CURB	L.F.	180

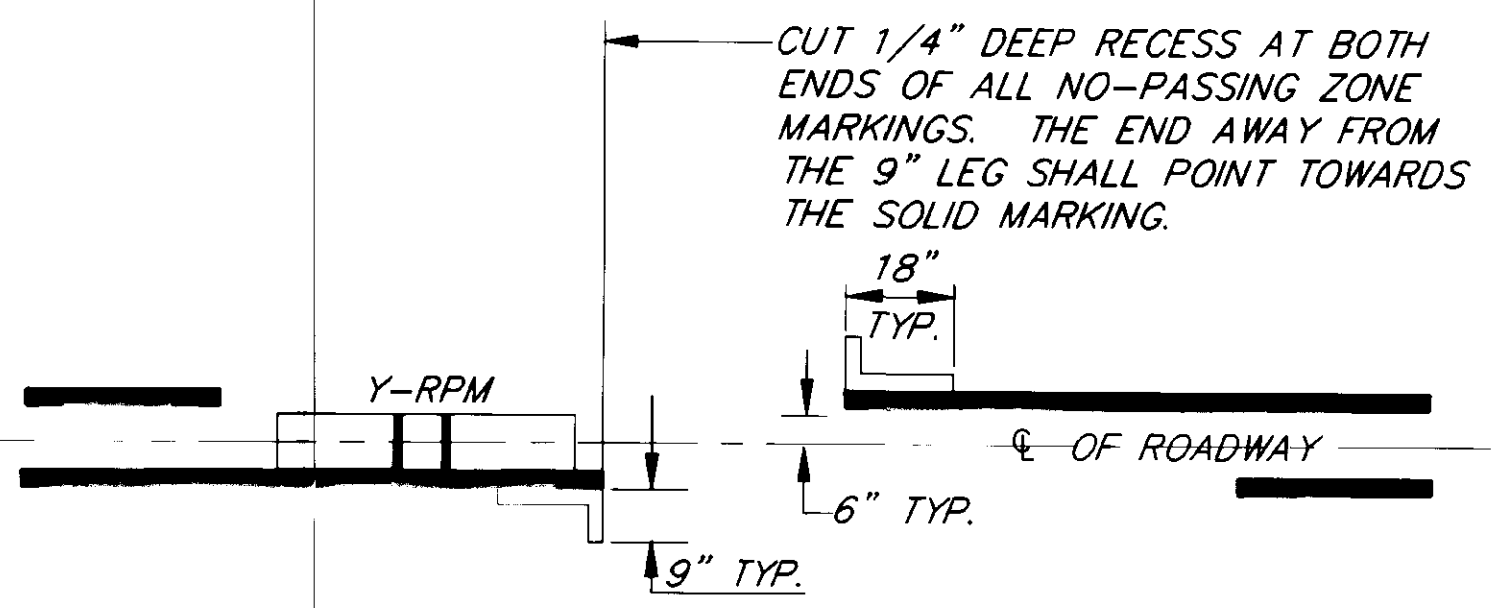
NOTE: MARKINGS FOR PARKING SHALL BE TYPE "B" AS SHOWN ON STANDARD DRAWING T-20.00.

**STRIPING AND RPM NOTES**

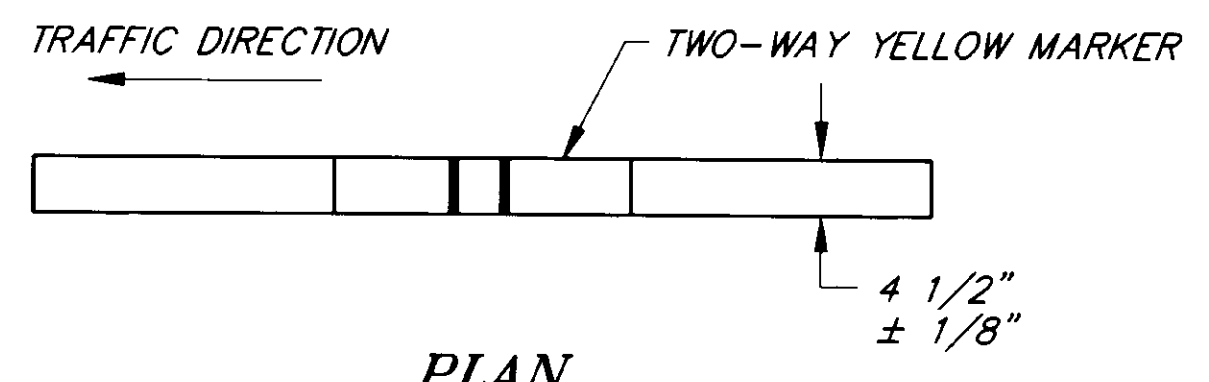
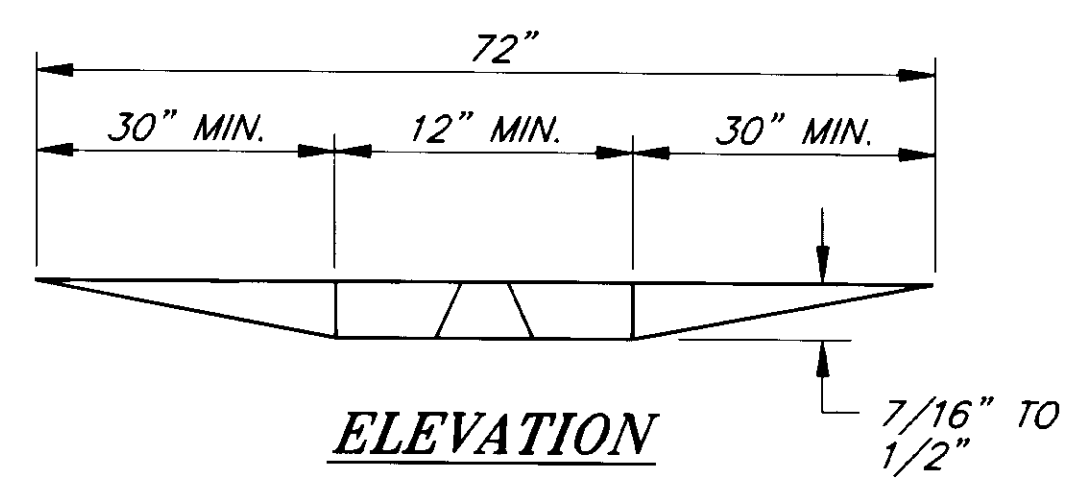
- UNLESS NOTED OTHERWISE ALL MARKINGS SHALL BE PREFORMED THERMOPLASTIC.
- STRIPED LANE WIDTHS SHALL BE 12'.
- EXISTING NO-PASSING GROOVES AT ENDS OF NO PASSING ZONES SHALL BE REFERENCED BEFORE CONSTRUCTION BEGINS BY THE CONTRACTOR FOR TEMPORARY AND PERMANENT MARKING PLACEMENT.
- LATERAL PLACEMENT OF RECESSED PAVEMENT MARKERS SHALL BE BETWEEN DOUBLE YELLOW STRIPES ON CENTERLINE.
- LOCATIONS ON MARKERS IN SITUATIONS WITH UNUSUAL GEOMETRICS WILL BE DETERMINED BY THE PROJECT ENGINEER.
- RPM QUANTITIES ARE APPROXIMATE ONLY AND MAY VARY.



**TYPICAL RECESSED PAVEMENT MARKER LAYOUT DETAIL**



**TYPICAL RECESSED MARKER LOCATION**



**TYPICAL RECESSED MARKER**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

AS-BUILT  
BY: B.D. DATE: 11-96

RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGE

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

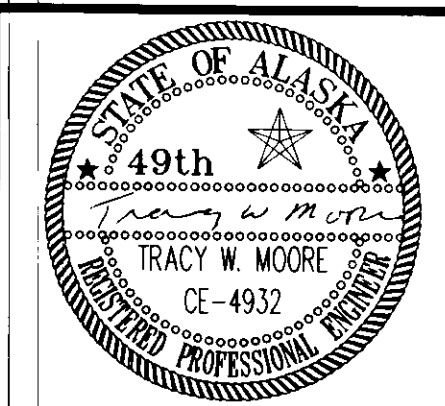
JUNEAU

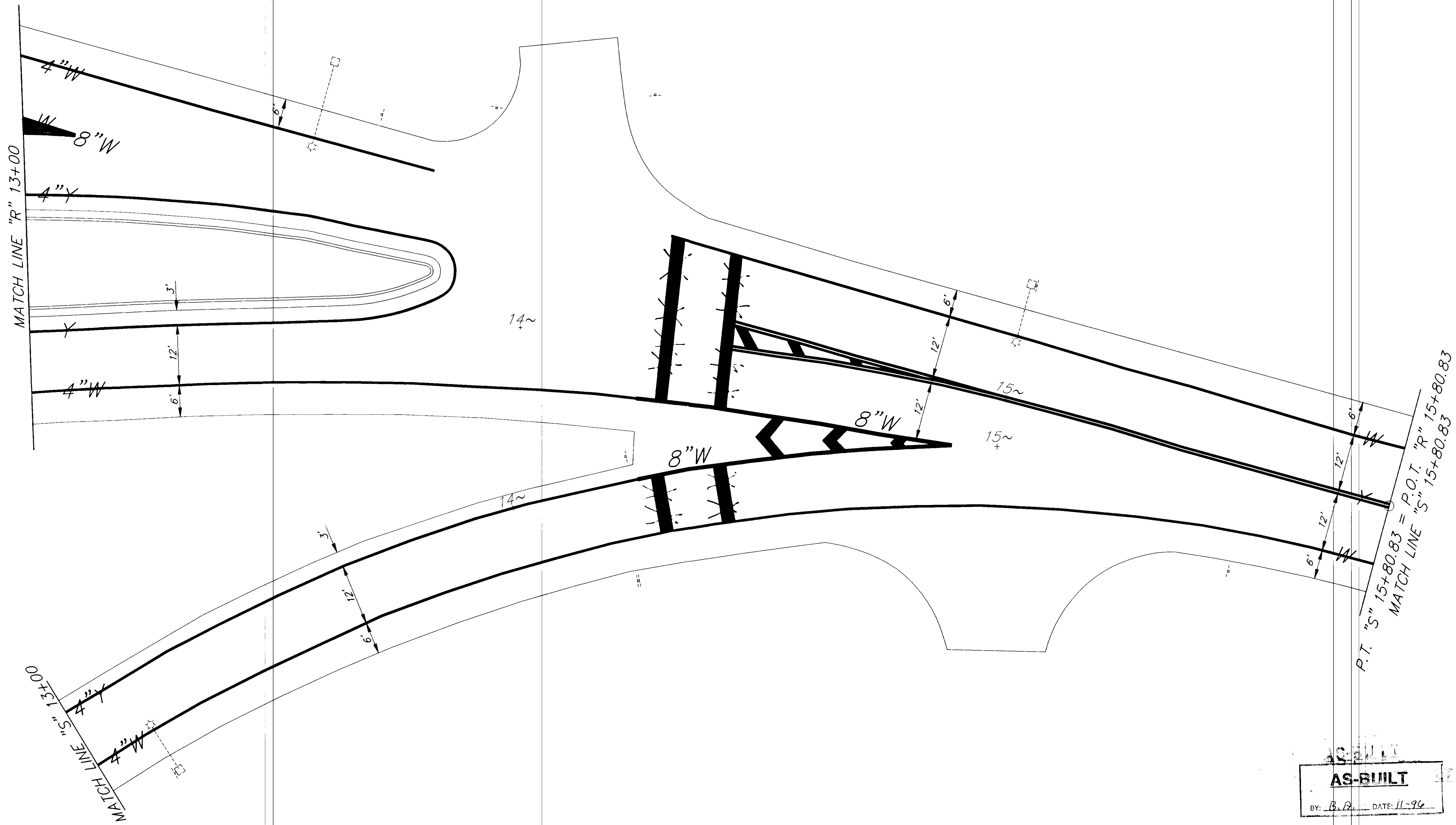
DOUGLAS HIGHWAY  
PAVEMENT REHABILITATION  
PROJECT NO. 71661  
**STRIPING LAYOUT**

ALASKA

DESIGNED BY:  
F. MURPHY  
DRAWN BY:  
K. SNYDER  
CHECKED BY:  
T. MOORE

PROJECT NO.  
71661  
DATE:  
1995  
SHEET 14 OF 21





**AS-BUILT**  
 BY: B.D. DATE: 11-96

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGE

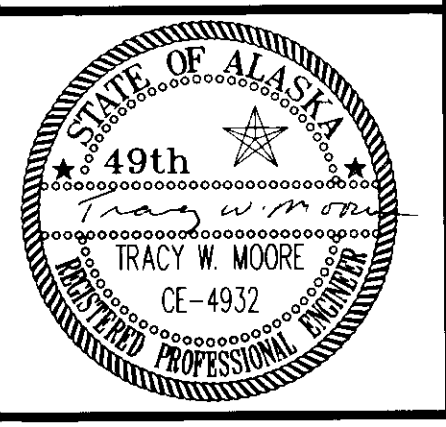
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

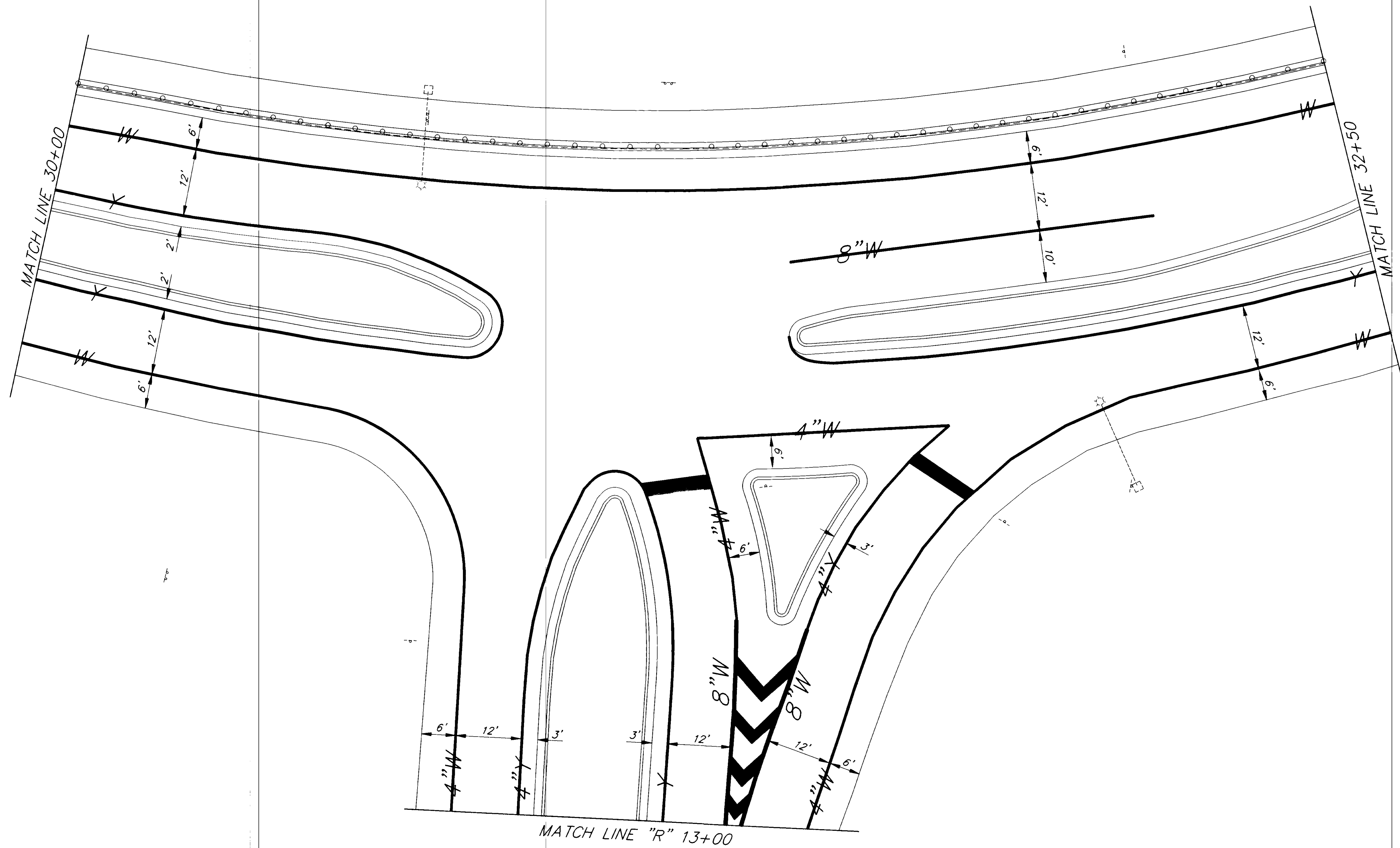
JUNEAU

DOUGLAS HIGHWAY  
 PAVEMENT REHABILITATION  
 PROJECT NO. 71661  
**STRIPING LAYOUT**

ALASKA

DESIGNED BY: F. MURPHY	PROJECT NO. 71661
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: T. MOORE	SHEET 15 OF 21





**AS-BUILT**  
 BY: B.F. DATE: 11-96

AS-BUILT

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

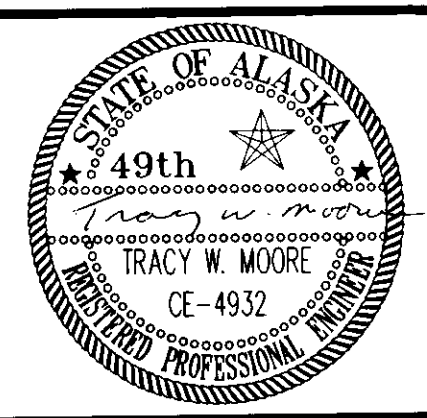
PATH: P:\JNU\71661\DR\—P3000 PLOTH.PCP(10) OR PLOTH.PCP(20)		
BY:	DATE:	DESCRIPTION OF CHANGE:
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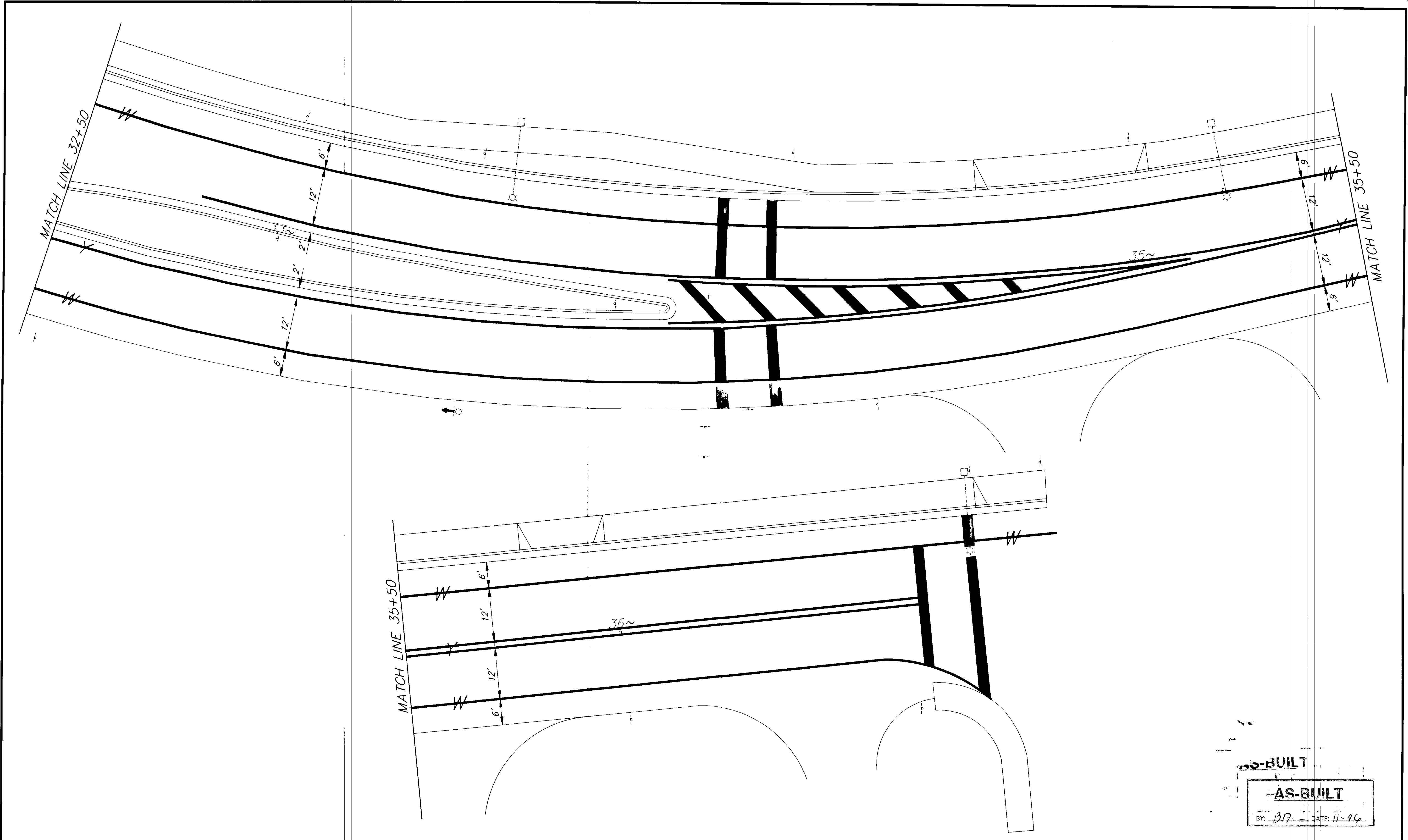
STATE OF ALASKA  
**DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES**  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU

ALASKA  
**DOUGLAS HIGHWAY  
 PAVEMENT REHABILITATION**  
 PROJECT NO. 71661  
**STRIPING LAYOUT**

DESIGNED BY: <i>F. MURPHY</i>	PROJECT NO. <b>71661</b>
DRAWN BY: <i>K. SNYDER</i>	DATE: <b>1995</b>
CHECKED BY: <i>T. MOORE</i>	SHEET <b>16</b> OF <b>21</b>





AS-BUILT  
 AS-BUILT  
 BY: *DR* DATE: 11-96

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

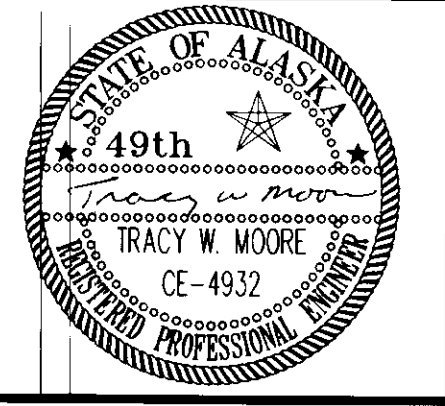
JUNEAU

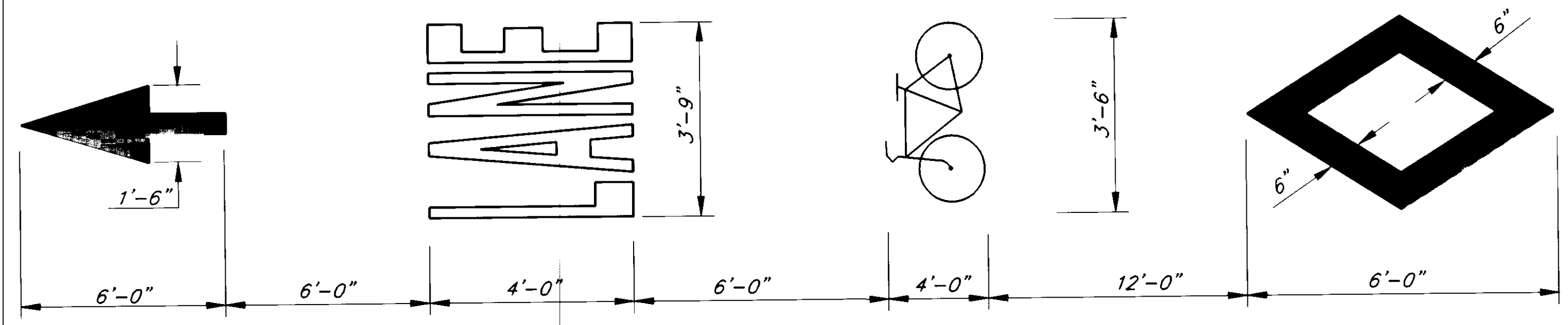
DOUGLAS HIGHWAY  
 PAVEMENT REHABILITATION  
 PROJECT NO. 71661  
**STRIPING LAYOUT**

ALASKA

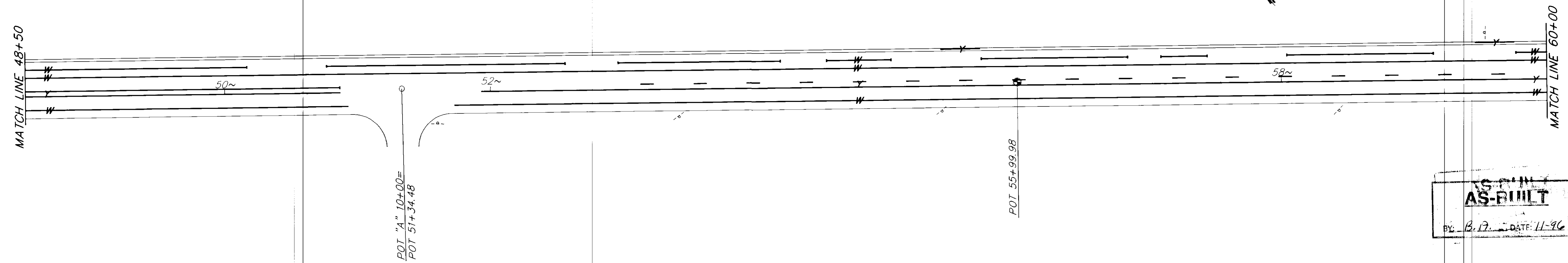
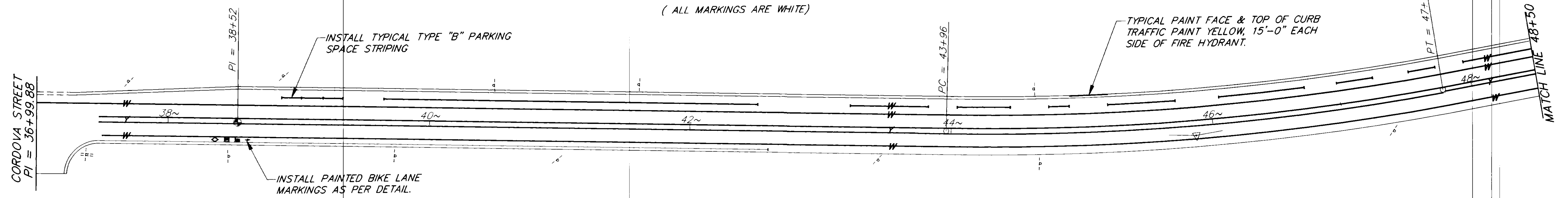
DESIGNED BY:  
*F. MURPHY*  
 DRAWN BY:  
*K. SNYDER*  
 CHECKED BY:  
*T. MOORE*

PROJECT NO.  
 71661  
 DATE:  
 1995  
 SHEET 17 OF 21





**DETAIL PAINTED BIKE LANE**  
( ALL MARKINGS ARE WHITE )



**AS-BUILT**  
BY: B.P. DATE: 11-96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

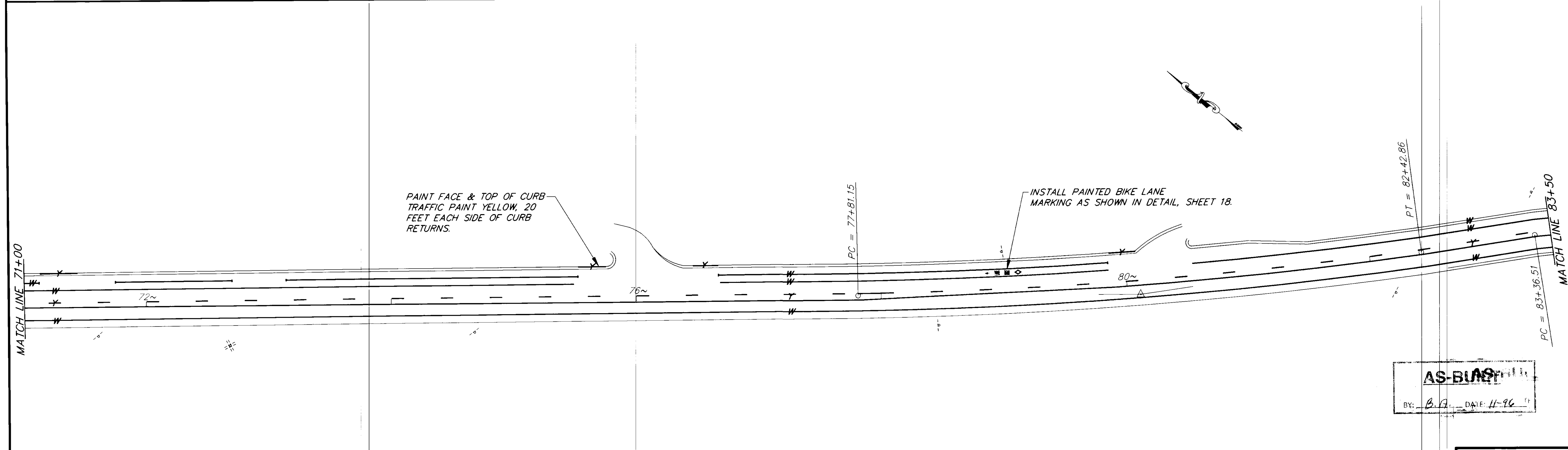
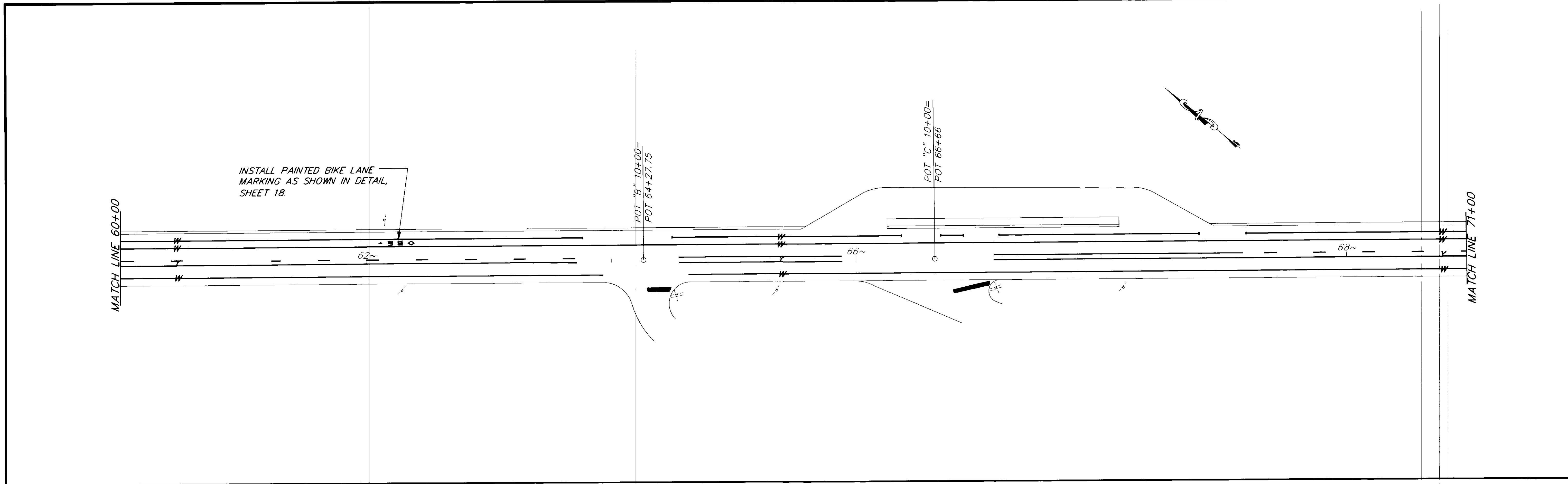
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU  
ALASKA  
DOUGLAS HIGHWAY  
PAVEMENT REHABILITATION  
PROJECT NO. 71661  
**STRIPING LAYOUT**

DESIGNED BY: F. MURPHY	PROJECT NO. 71661
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: T. MOORE	SHEET 18 OF 21





**AS-BUILT**  
 BY: B.A. DATE: 11-96

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

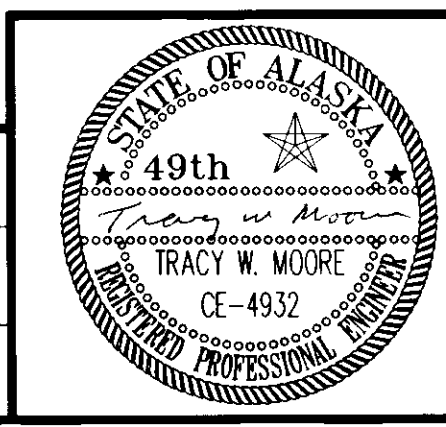
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

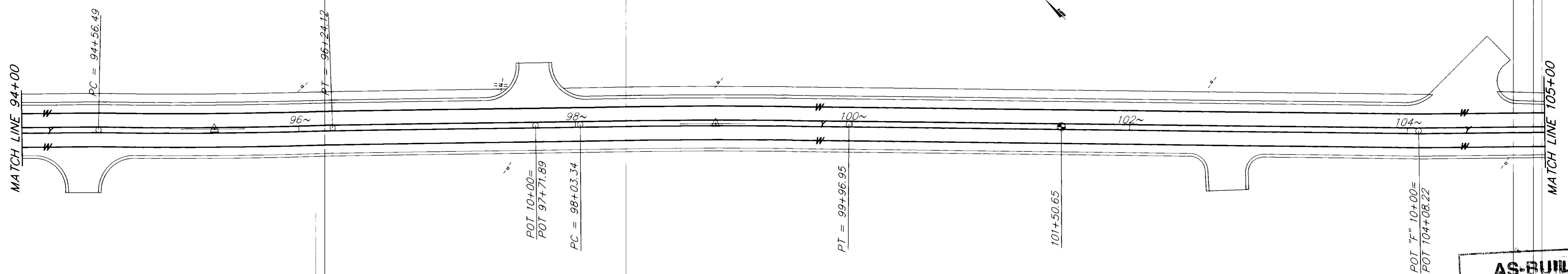
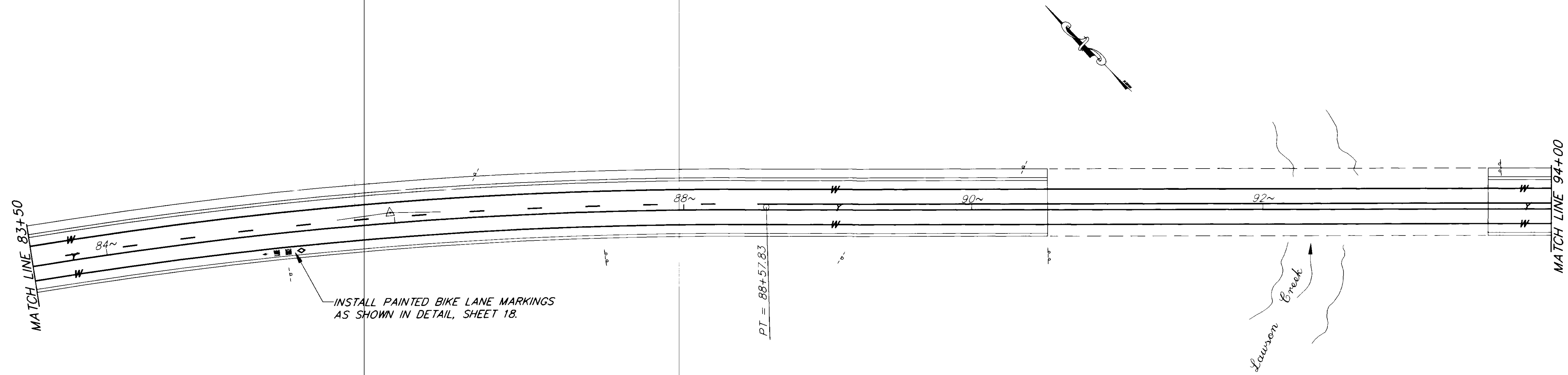
JUNEAU

DOUGLAS HIGHWAY  
 PAVEMENT REHABILITATION  
 PROJECT NO. 71661  
**STRIPING LAYOUT**

ALASKA

DESIGNED BY: F. MURPHY	PROJECT NO. 71661
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: T. MOORE	SHEET 19 OF 21





**AS-BUILT** 17  
 BY: B.P. DATE: 11-96

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

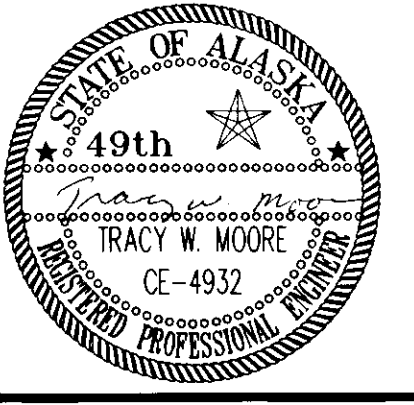
STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 AND PUBLIC FACILITIES  
 SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU

DOUGLAS HIGHWAY  
 PAVEMENT REHABILITATION  
 PROJECT NO. 71661  
**STRIPING LAYOUT**

ALASKA

DESIGNED BY: F. MURPHY	PROJECT NO. 71661
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: T. MOORE	SHEET 20 OF 21



MATCH LINE 105+00

106~

108~

110~

112~

114~

116~

MATCH LINE 116+93.70

MATCH LINE 116+93.70

PC = 181+39.86

PT = 120+46.10

POC 121+39.27 BK.=  
94+39.14 AHD.  
SEE STRIPING TABLE

INSTALL PAINTED BIKE LANE  
MARKINGS AS SHOWN IN DETAIL,  
SHEET 18.

DOUGLAS CENTERLINE YELLOW STRIPING TABLE

STATION	BEGIN SOLID LT	END SOLID LT	BEGIN SOLID RT	END SOLID RT
121+39.27 BK.=				
94+39.14 AHD.	X		X	
96+42				X
98+97		X		
101+50			X	
114+43				X

AS-BUILT

BY: B.P. DATE: 11-96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\JNU\71661\DR\ -P10400 PLOT.PCP(40) OR PLOTH.PCP(80)

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

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DESIGNED BY:  
F. MURPHY  
 DRAWN BY:  
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PROJECT NO.  
71661  
 DATE:  
1995  
 SHEET 21 OF 21

