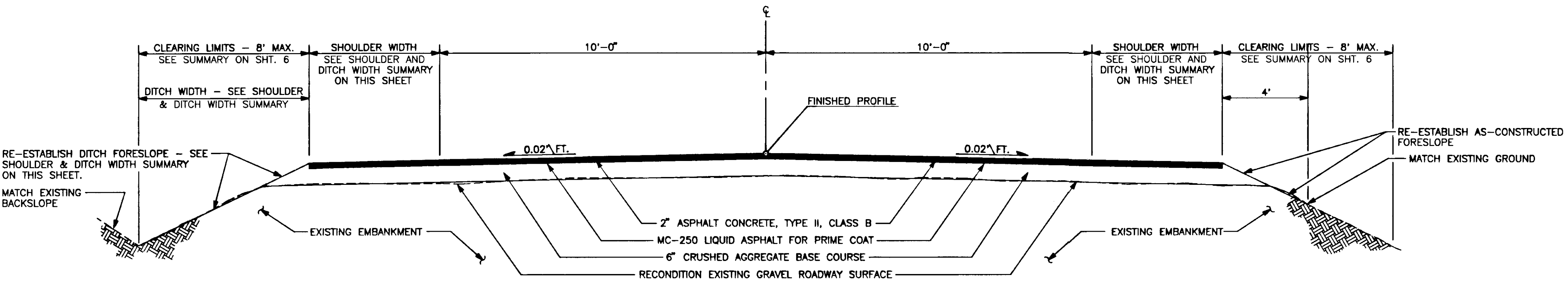


TYPICAL SECTION NOTES

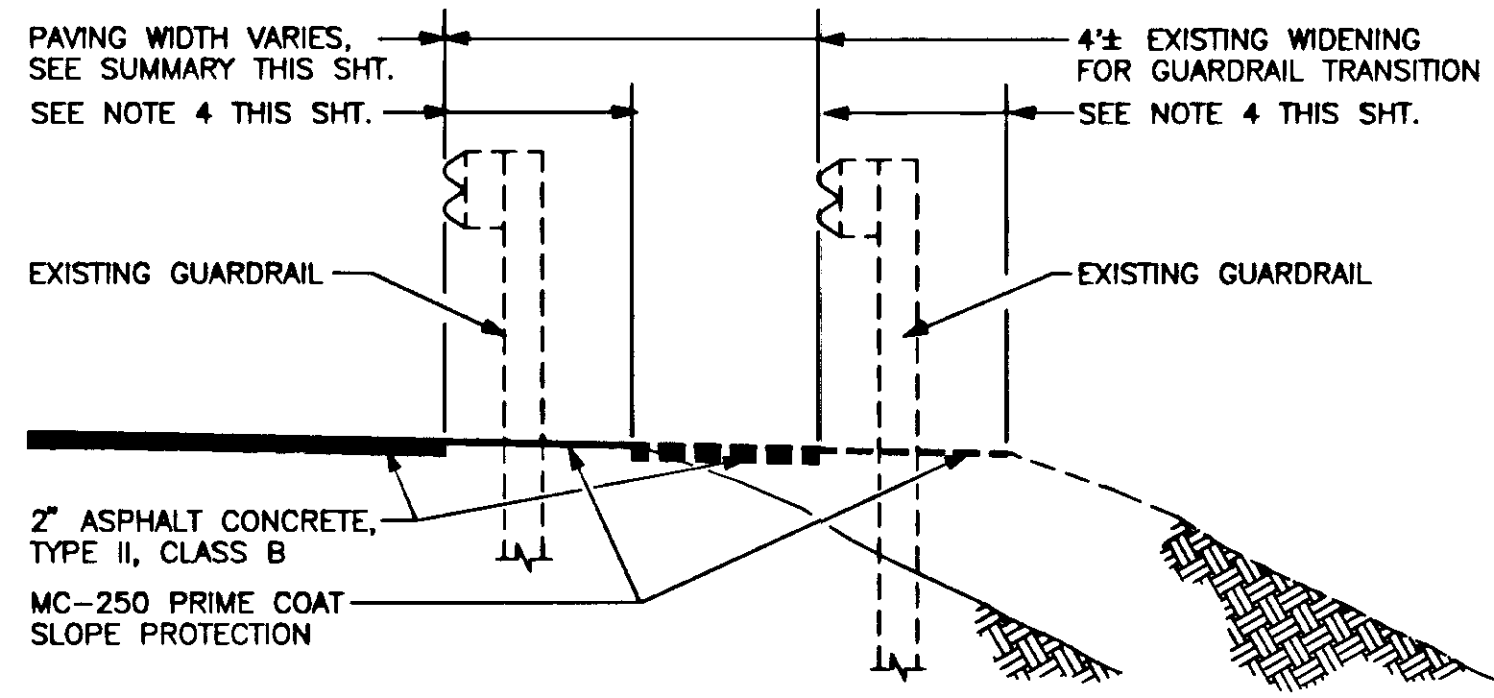
1. THE DEPTH OF SCARIFICATION FOR RECONDITIONING WILL BE 4".
2. CLEARING TO IMPROVE SIGHT DISTANCE SHOWN ON THE PLANS IS SUBJECT TO MINOR REVISIONS AS DIRECTED BY THE ENGINEER.
3. THE SUPERELEVATION IS ROTATED ABOUT THE CENTERLINE.
4. AFTER RE-GRADING OF THE FORESLOPES TO MATCH THE TOP OF THE NEW PAVEMENT, MC-250 PRIME COAT SHALL BE APPLIED TO THE SHOULDERS IN AREAS OF EXISTING GUARDRAIL. THE AREA TO BE PRIMED SHALL BE FROM THE EDGE OF NEW PAVEMENT TO 2' BEYOND THE EDGE OF NEW PAVEMENT, OR TO THE HINGE POINT, WHICHEVER IS GREATER.



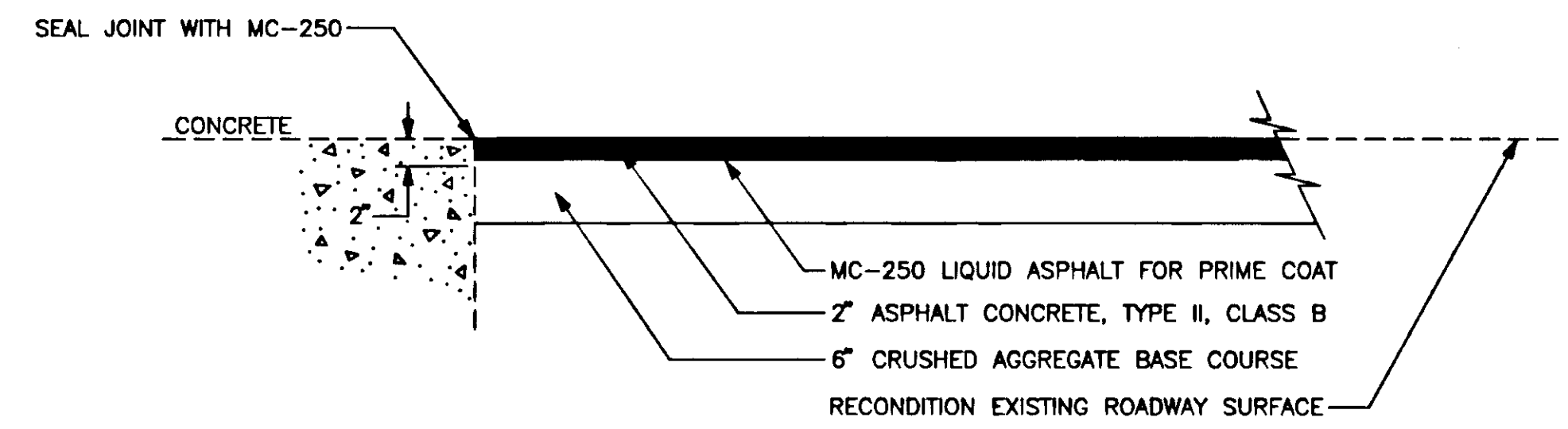
TYPICAL SECTION OF IMPROVEMENT

STATION	SHOULDER WIDTH	DITCH WIDTH	DITCH FORESLOPE
STA. 15+14.00 TO STA. 27+41.43	4'-0"	8'-0"	4 : 1
STA. 81+26.85 TO STA. 113+80.77	6'-0"	4'-0"	2 : 1
STA. 113+98.36 TO STA. 181+19.30	2'-0"	5'-0"	2 : 1
STA. 181+19.30 TO STA. 184+61	2'-4"-0"	4'-0"	2 : 1
STA. 184+61 TO STA. 187+66.75	SEE SHT. 7 FOR BOAT HARBOR PAVING PLAN.		

NOTE:
TRANSITION PAVEMENT WIDTH FROM 28' WIDE AT STA. 26+81.43 TO 32' WIDE AT STA. 81+26.85, FROM 32' WIDE AT STA. 113+80.77 TO 24' WIDE AT STA. 115+18.36, AND FROM 24' WIDE AT STA. 181+19.30 TO 22' WIDE AT STA. 181+19.30. TRANSITION IS TO TAKE PLACE EQUALLY ON EACH SIDE OF THE ROAD.

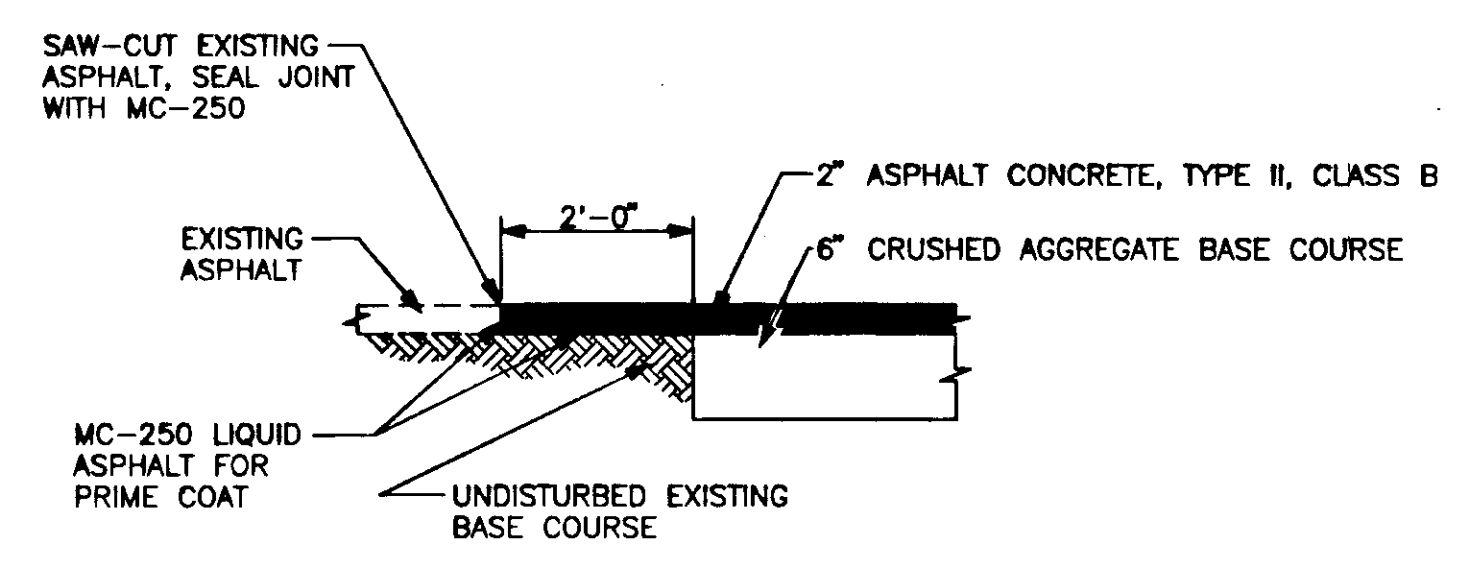


PAVING LIMITS & PAVED SLOPE PROTECTION IN AREAS OF EXISTING GUARDRAIL



**CONCRETE/PAVEMENT MATCH DETAIL
GUNNUK CREEK BRIDGE (15+15, C)
FERRY TERMINAL TRANSFER BRIDGE (114+95, 182' RT.)**

STATION				SUPERELEVATION AT FULL SUPER	TRANSITION LENGTH IN	TRANSITION LENGTH OUT	REMARKS
BEGIN SUPER TRANSITION	BEGIN FULL SUPER	END FULL SUPER	END SUPER TRANSITION				
STA. 15+15	STA. 16+53	STA. 17+82	STA. 19+20	0.056'/FT.	138'	138'	
STA. 19+33	STA. 20+71	STA. 21+91	STA. 23+35	0.056'/FT.	138'	138'	
STA. 23+47	STA. 24+89	STA. 26+61	STA. 81+53	0.059'/FT.	142'	106'	TRANSITION OUT TO FLAT CROSS SLOPE
STA. 81+53	STA. 82+53	STA. 83+32	STA. 84+70	0.056'/FT.	100'	138'	TRANSITION IN FROM FLAT CROSS SLOPE
STA. 88+18	STA. 89+16	STA. 93+35	STA. 94+33	0.034'/FT.	98'	98'	
STA. 96+15	STA. 97+17	STA. 98+60	STA. 99+62	0.037'/FT.	102'	102'	
STA. 100+67	STA. 101+83	STA. 108+45	STA. 109+35	0.043'/FT.	116'	90'	TRANSITION OUT TO FLAT CROSS SLOPE
STA. 109+35	STA. 110+25	STA. 112+30	STA. 113+50	0.046'/FT.	90'	120'	TRANSITION IN FROM FLAT CROSS SLOPE
STA. 114+32	STA. 115+70	STA. 116+86	STA. 117+86	0.056'/FT.	138'	100'	TRANSITION OUT TO FLAT CROSS SLOPE
STA. 117+86	STA. 118+76	STA. 123+14	STA. 124+10	0.033'/FT.	90'	96'	TRANSITION IN FROM FLAT CROSS SLOPE
STA. 124+20	STA. 125+58	STA. 126+75	STA. 128+13	0.056'/FT.	138'	138'	
STA. 131+03	STA. 132+33	STA. 133+82	STA. 135+12	0.052'/FT.	130'	130'	
STA. 136+20	STA. 137+10	STA. 140+55	STA. 141+45	0.030'/FT.	90'	90'	
STA. 141+54	STA. 142+84	STA. 144+07	STA. 145+37	0.052'/FT.	130'	130'	
STA. 146+23	STA. 147+13	STA. 150+65	STA. 151+55	0.028'/FT.	90'	90'	TRANSITION OUT TO FLAT CROSS SLOPE
STA. 151+55	STA. 152+45	STA. 155+58	STA. 156+48	0.022'/FT.	90'	90'	TRANSITION IN FROM FLAT CROSS SLOPE - TRANSITION OUT TO FLAT CROSS SLOPE
STA. 156+48	STA. 157+56	STA. 158+75	STA. 159+83	0.060'/FT.	108'	108'	TRANSITION IN FROM FLAT CROSS SLOPE - TRANSITION OUT TO FLAT CROSS SLOPE
STA. 159+83	STA. 160+88	STA. 161+15	STA. 162+55	0.058'/FT.	105'	140'	TRANSITION IN FROM FLAT CROSS SLOPE - TRANSITION OUT TO FLAT CROSS SLOPE
STA. 162+55	STA. 163+85	STA. 164+97	STA. 166+27	0.052'/FT.	130'	130'	TRANSITION IN FROM FLAT CROSS SLOPE
STA. 167+60	STA. 168+56	STA. 169+48	STA. 170+38	0.034'/FT.	96'	90'	TRANSITION OUT TO FLAT CROSS SLOPE
STA. 170+38	STA. 171+38	STA. 172+05	STA. 173+05	0.056'/FT.	100'	100'	TRANSITION IN FROM FLAT CROSS SLOPE - TRANSITION OUT TO FLAT CROSS SLOPE
STA. 173+05	STA. 173+97	STA. 174+66	STA. 175+58	0.052'/FT.	92'	92'	TRANSITION IN FROM FLAT CROSS SLOPE - TRANSITION OUT TO FLAT CROSS SLOPE
STA. 175+58	STA. 176+48	STA. 180+07	STA. 181+09	0.037'/FT.	90'	102'	TRANSITION IN FROM FLAT CROSS SLOPE



PAVEMENT MATCH DETAIL AT THE AIRPORT ACCESS ROAD

BY:	DATE:	DESCRIPTION OF CHANGE:
D.L.M.	3/25/93	REVISED TYPICAL SECTION AND PAVEMENT MATCH DETAILS

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

KAKE
KEKU ROAD PAVING
TYPICAL SECTION & DETAILS

ASCG
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ENGINEERS • ARCHITECTS • SCIENTISTS • SURVEYORS

DESIGNED BY: D.L.M.
DRAWN BY: J.E.M.
CHECKED BY: D.L.M.

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

PATH: E:\ALASKA\KAKE\10475-02.DWG
DRAWN IN AUTOCAD RELEASE 11
DRAWING PLOT SCALE: 1" = 1'
DRAWING LAST UPDATED: 3/25/1993

SCALE: NOT TO SCALE
DATE: JAN. 1993
SHEET 2 OF 9

Addendum No. 1, Attachment No. 2

GENERAL NOTES

- ALL STATIONING AND CENTERLINE REFERENCES ON THESE PLANS ARE BASED UPON "AS-BUILT" INFORMATION, ARE APPROXIMATE, AND ARE SUBJECT TO MINOR REVISIONS.
- BASIS OF CONTROL:
 VERTICAL CONTROL - THE BASIS OF VERTICAL CONTROL FOR THIS PROJECT IS N.O.S. TIDAL BENCH MARK No. 4, KAKE, ALASKA WITH AN ACCEPTED ELEVATION OF 14.82 FT. ABOVE M.L.L.W. AS ESTABLISHED BY PREVIOUS SURVEYS.
 HORIZONTAL CONTROL - THE BASIS OF BEARING FOR THIS PROJECT WAS THE LINE OF SIGHT BETWEEN R.M. No. 3 A.T.S. 1091 AND N.O.S. BENCH MARK No. 4 WITH AN ACCEPTED GEODETIC BEARING OF S. 57°08'24" E..
 R.M. No. 3 A.T.S. 1091 N. 76323.380
 E. 32262.341
 N.O.S. BENCH MARK No. 4 N. 75215.783
 E. 33977.047
- AS-CONSTRUCTED INFORMATION WILL BE PROVIDED TO THE CONTRACTOR BY THE ENGINEER. SINCE THIS PROJECT WAS CONSTRUCTED IN THREE SEPARATE SEGMENTS, MINOR ADJUSTMENTS MAY BE NECESSARY TO TIE THE AS-CONSTRUCTED INFORMATION TOGETHER TO STAKE THIS PROJECT.
- CULVERT LENGTHS AND LOCATIONS ARE APPROXIMATE AND ARE SUBJECT TO MINOR REVISIONS.
- PAVING LIMITS ON DRIVEWAYS AND PULLOUTS SHALL BE 12' FROM THE EDGE OF PAVEMENT, OR TO THE RIGHT-OF-WAY LINE, WHICH EVER IS LESS, OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR IS ADVISED OF A WATERLINE UNDER THE LEFT DITCH BETWEEN STATION 130+00 AND THE END OF PROJECT. OTHER BURIED UTILITIES EXIST WITHIN THE PROJECT LIMITS. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THEIR LOCATIONS AND TO PROTECT ALL BURIED UTILITIES AS PER SECTION 107 OF THE SPECIFICATIONS.
- THE CONTRACTOR SHALL CLEAN OUTLET END OF THE 24" PIPE AND DITCH TO DRAIN AT STATION 18+47. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO ITEM 303 (1) RECONDITIONING.
- MANHOLE LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS WILL NOT BE AVAILABLE UNTIL MAY 15, 1993. FINAL LOCATIONS WILL BE PROVIDED BY THE ENGINEER.

ESTIMATE OF QUANTITIES

ITEM NUMBER	PAY ITEM	PAY UNIT	TOTAL QUANTITY
120 (1)	DBE ADJUSTMENT %	CONTINGENT SUM	ALL REQUIRED
201 (1B)	CLEARING	LUMP SUM	ALL REQUIRED
301 (1)	CRUSHED AGGREGATE BASE COURSE	TON	17,357.33-700
303 (1)	RECONDITIONING	STATION	118.49
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	TON	5167.9 -1600
401 (2)	PBA-2 ASPHALT CEMENT	TON	318.86 -276
403 (1)	MC-250 LIQUID ASPHALT FOR PRIME COAT	TON	38
603 (17-18)	18 INCH PIPE	LINEAR FOOT	100 -230
604 (4)	ADJUST EXISTING MANHOLES	EACH	10 -9
606 (12)	GUARDRAIL/BRIDGE RAIL CONNECTION	EACH	4
606 (13)	BRIDGE RAIL RETROFIT AT GUNNUK CR. (POST UPGRADE)	EACH	30
606 (14)	GUARDRAIL ADJUSTMENT	LINEAR FOOT	3406.3 +100
615 (1)	STANDARD SIGN	SQUARE FOOT	192.75
627 (10)	ADJUSTMENT OF VALVE BOX	EACH	7 +
639 (3)	DRIVEWAYS	EACH	46
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641 (1)	TEMPORARY EROSION AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQUIRED
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642 (2)	THREE PERSON SURVEY PARTY	HOURLY	6 -10
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643 (3)	PERMANENT CONSTRUCTION SIGNING	LUMP SUM	ALL REQUIRED
643 (5)	TYPE II BARRICADE	EACH PER DAY	105 -600
643 (7)	TRAFFIC CONE	EACH PER DAY	829 -3000
643 (13)	TEMPORARY PAVEMENT MARKING	STATION	115.83 +12
643 (15)	FLAGGING	HOURLY	1062.5 +200
643 (18)	WATERING	M-GALLON	600.11 -600
644 (1)	FIELD OFFICE	LUMP SUM	ALL REQUIRED
644 (2)	FIELD LABORATORY	LUMP SUM	ALL REQUIRED
670 (1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED
670 (8)	RECESSED PAVEMENT MARKERS	EACH	260 -254

BASIS OF ESTIMATE

ITEM NUMBER	PAY ITEM	ESTIMATING FACTOR
301 (1)	CRUSHED AGGREGATE BASE COURSE	1.96 TONS/CUBIC YARD
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	115 LBS./SQUARE YARD/INCH DEPTH
401 (2)	PBA-2 ASPHALT CEMENT	6% OF ITEM 401 (1)
403 (1)	MC-250 LIQUID ASPHALT FOR PRIME COAT	APPLICATION RATE: .25 GAL./S.Y.-256 GAL./TON

D.L.M.	3/25/93	REVISED ESTIMATE OF QUANTITIES
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

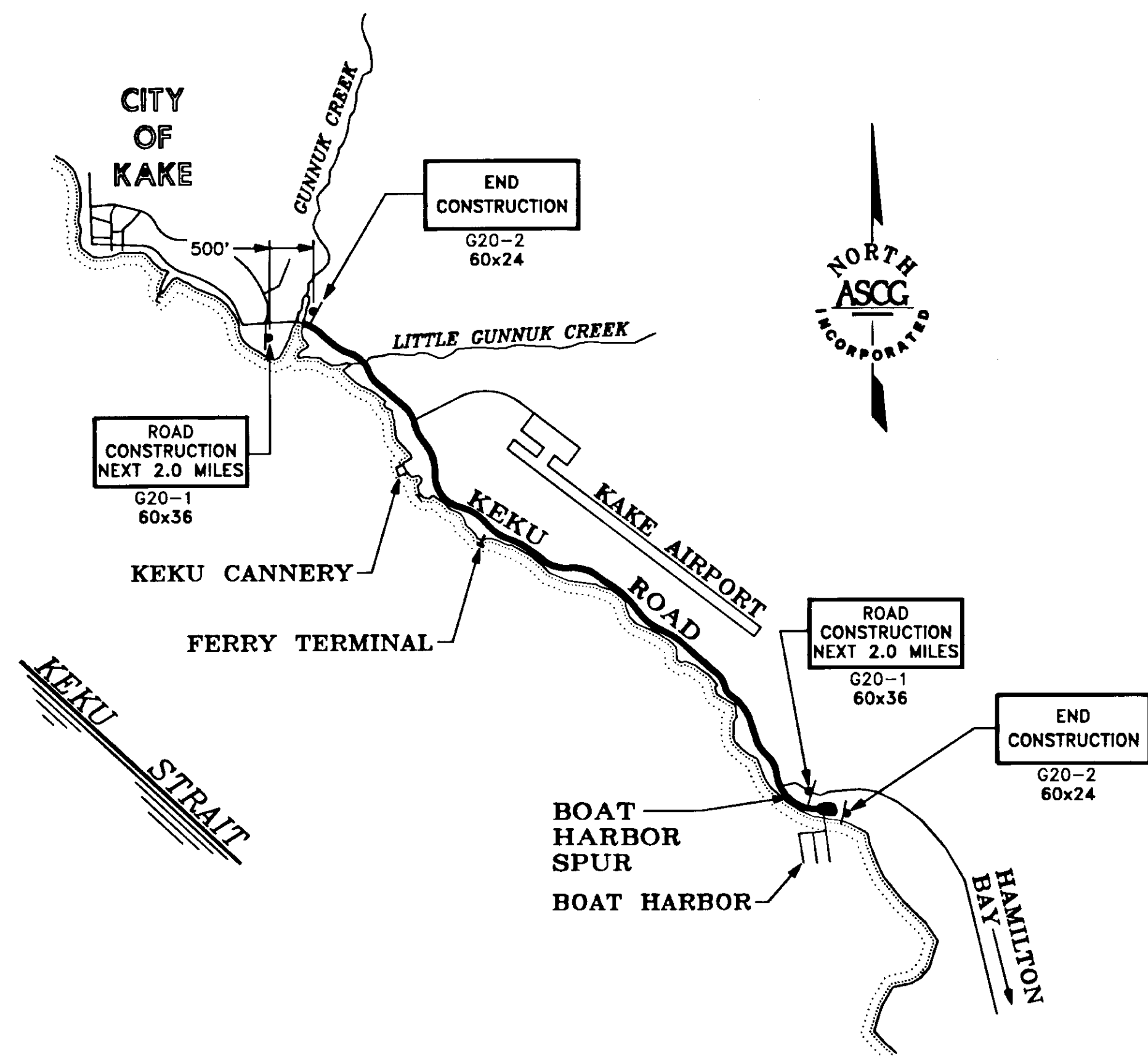
KAKE
 KEKU ROAD PAVING
 ESTIMATE OF QUANTITIES



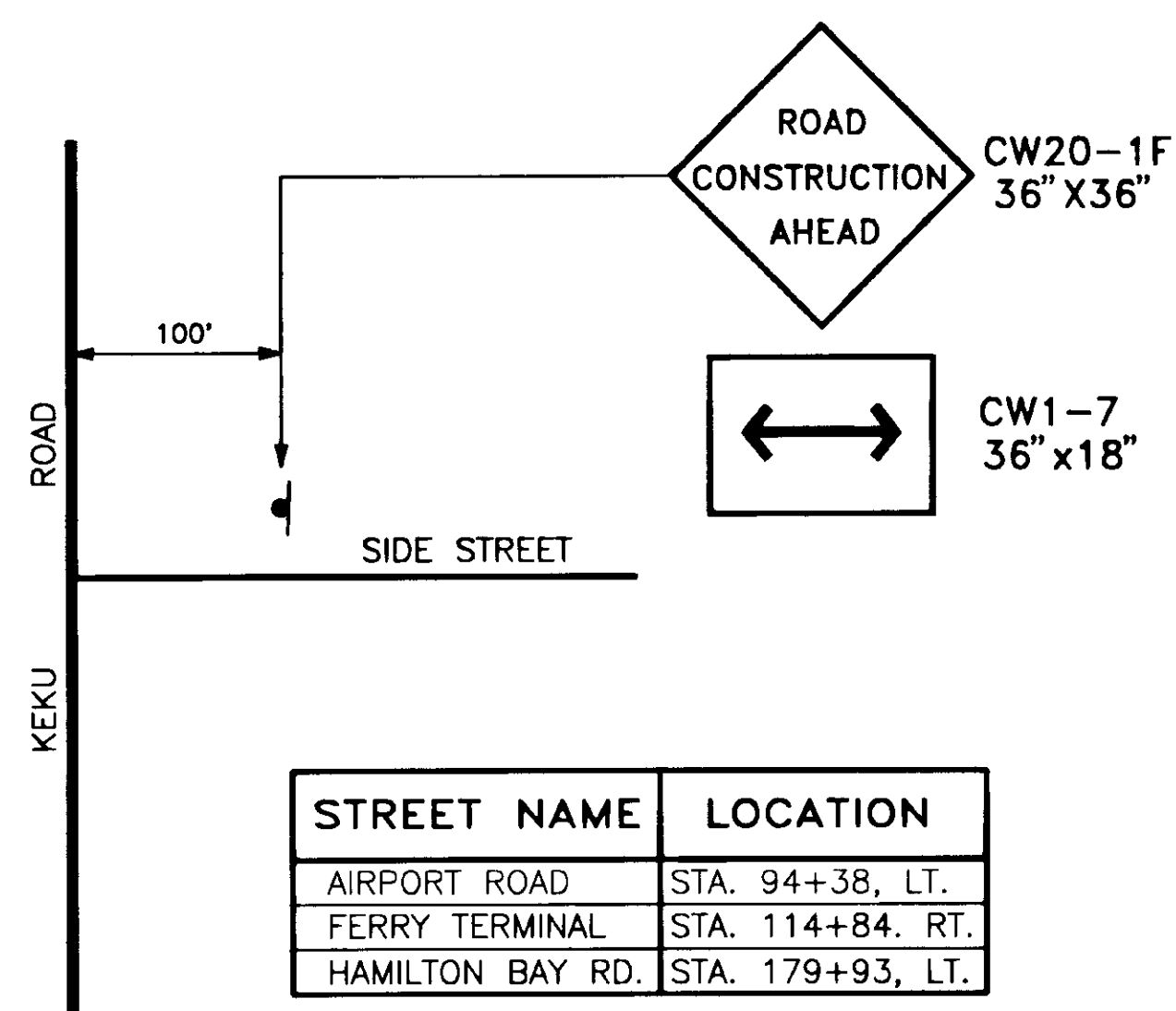
DESIGNED BY: D.L.M.
 DRAWN BY: J.E.M.
 CHECKED BY: D.L.M.

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

SCALE: NOT TO SCALE
 DATE: JAN. 1993
 SHEET 3 OF 9



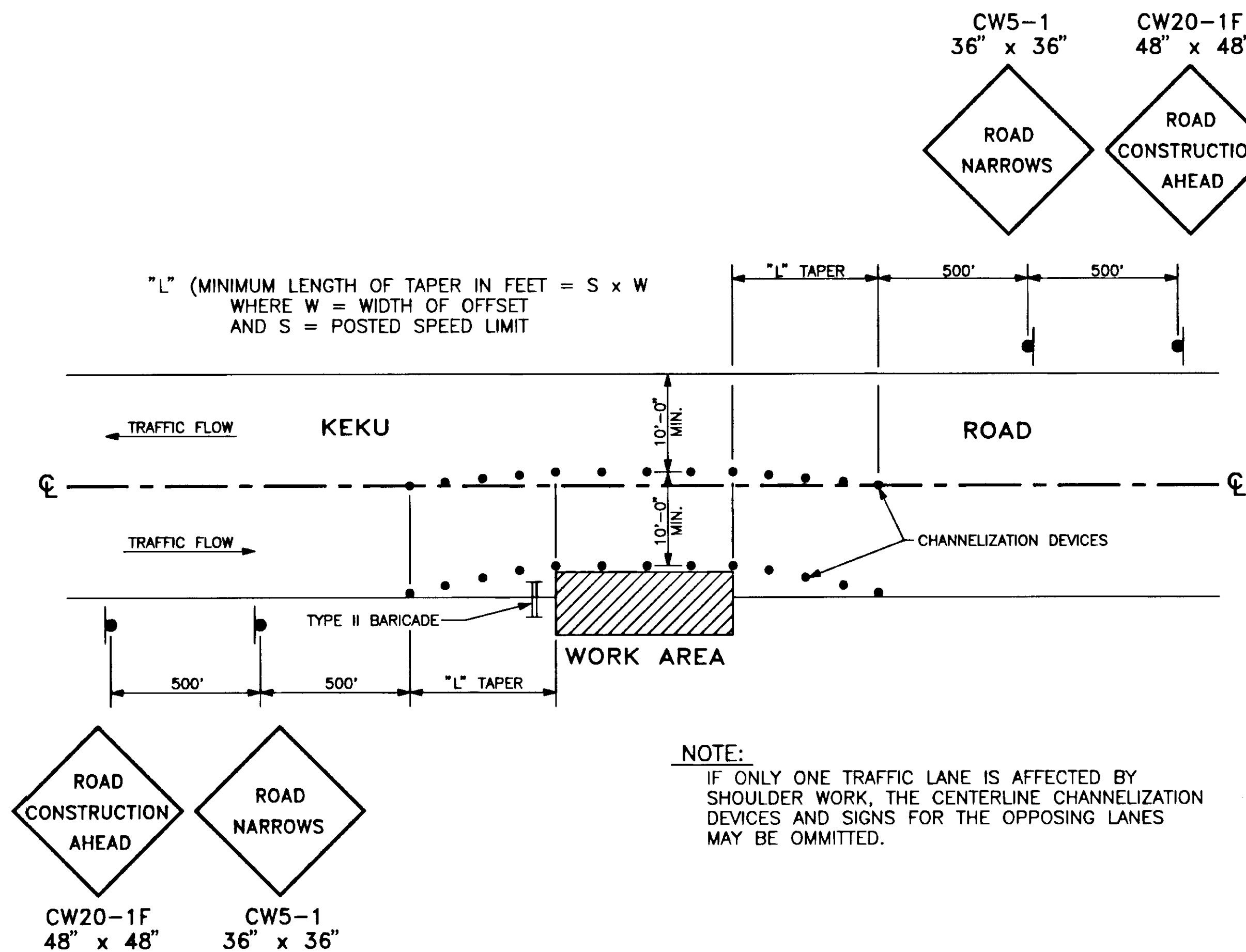
PERMANENT CONSTRUCTION SIGNING



PERMANENT CONSTRUCTION SIGNING
SIDE STREETS

TRAFFIC CONTROL NOTES

1. TWO-WAY COMMUNICATION SHALL BE MAINTAINED BETWEEN FLAGGERS AT ALL TIMES, EITHER THROUGH VISUAL SIGNALS OR THROUGH RADIO CONTACT.
2. ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. STANDARD DRAWING C-03.01 SHALL BE UTILIZED DURING LANE CLOSURES.



TRAFFIC CONTROL PLAN FOR SHOULDER WORK

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

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

KAKE
KEKU ROAD PAVING
TRAFFIC CONTROL PLAN

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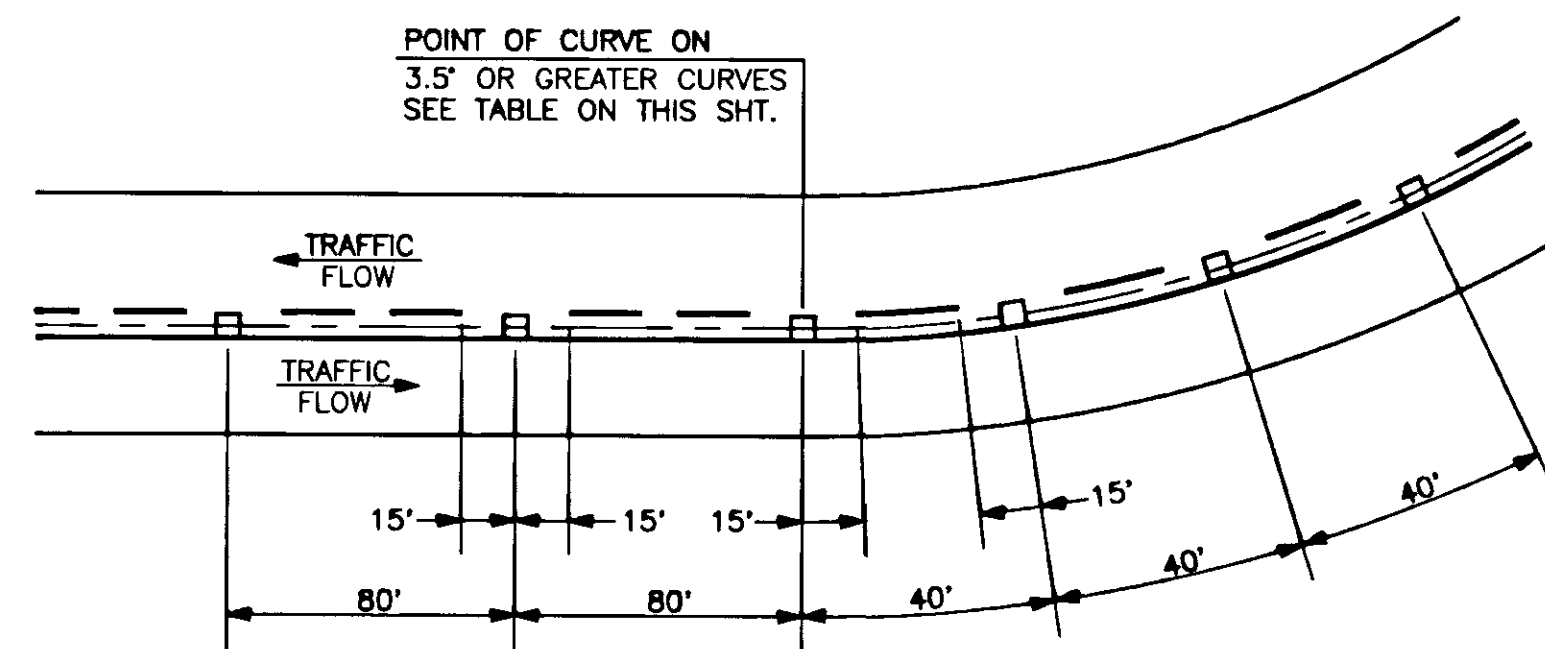
DESIGNED BY: D.L.M.
DRAWN BY: J.E.M.
CHECKED BY: D.L.M.

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

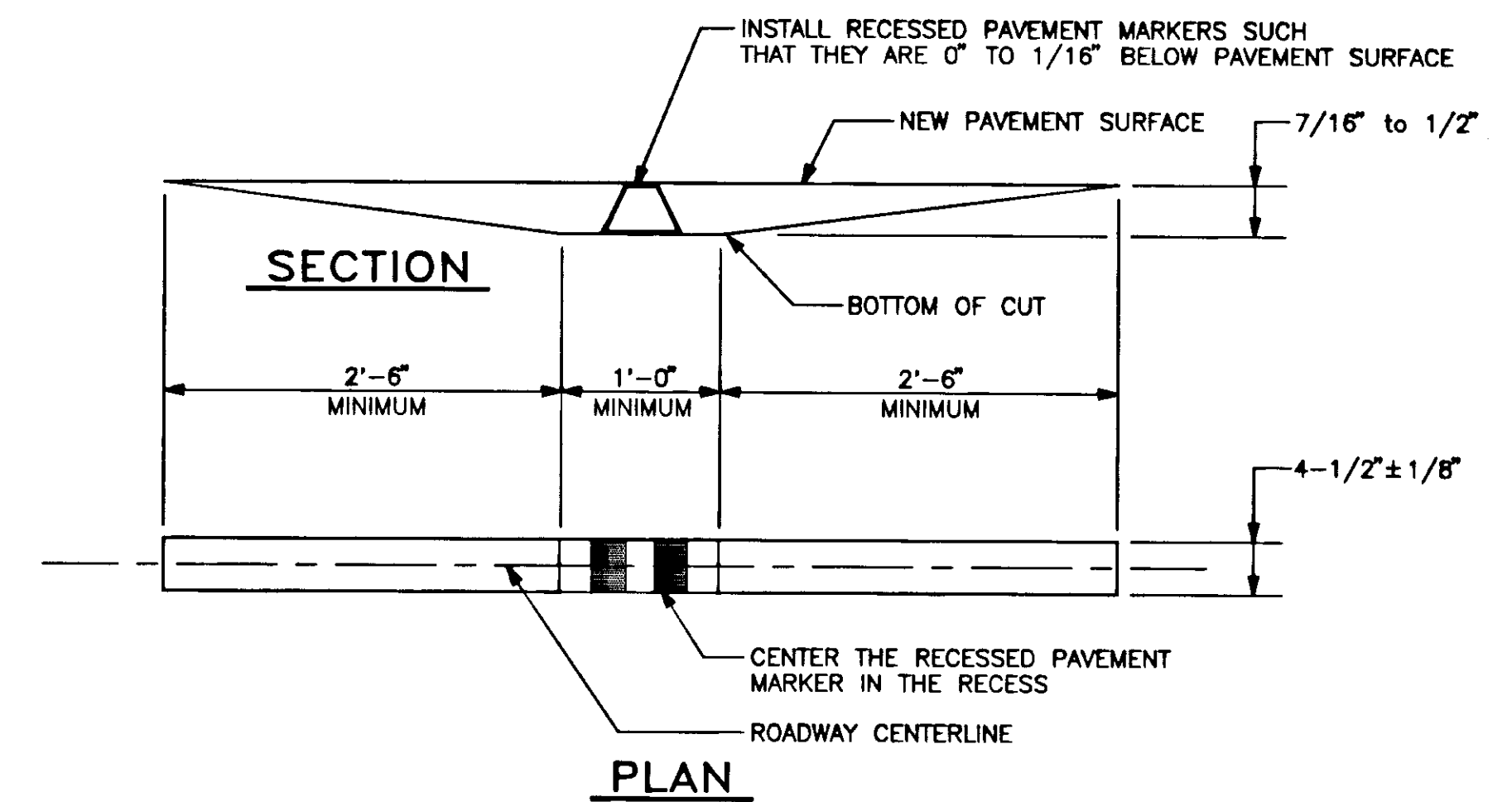
STATE OF ALASKA
49TH
D. LANCE WEAR
REGISTERED PROFESSIONAL ENGINEER
CE-7435

SCALE:
NOT TO SCALE
DATE:
JAN. 1993
SHEET 4 OF 9

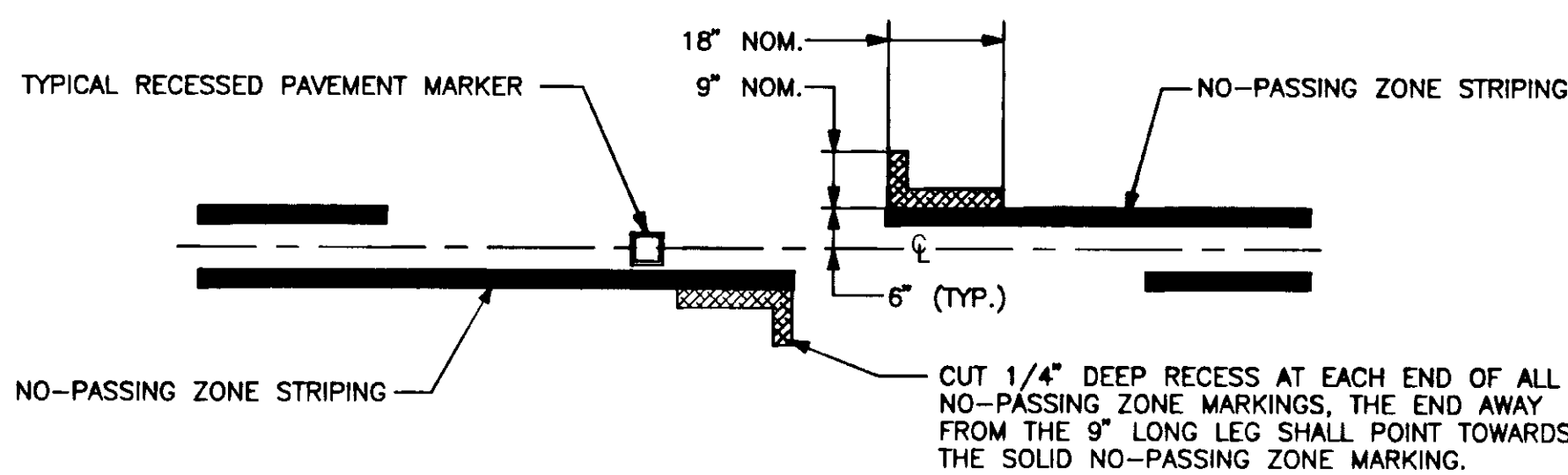
CURVES REQUIRING 40' REFLECTIVE PAVEMENT MARKER SPACING		
STATION		DEGREE OF CURVATURE
FROM	TO	
16+08	18+28	14°30'
20+25	22+27 P.T. Bk.	14°30'
24+56	27+12	17°45'
81+78	83+78	14°06'49"
88+84	93+68	5°00'
96+83	98+94	5°30'
101+44	108+63	7°31'45"
110+08	112+66	8°45'
115+24	117+48	14°15'
118+25	123+46	4°42'
125+12	127+21	14°19'26"
131+89	134+25	11°27'33"
136+80	140+85	4°05'53"
142+41	144+50	11°27'33"
146+83	151+47	3°50'
157+49	159+49 P.T. Bk.	18°20'14"
160+18	162+18	16°22'32"
162+91	165+41	11°27'33"
168+24	170+24	4°44'44"
170+52	172+52	14°03'52"
173+58	175+58	11°45'33"
175+59	180+41	5°26'21"
182+56	182+77	11°27'36"
183+58	185+33	32°45'36"



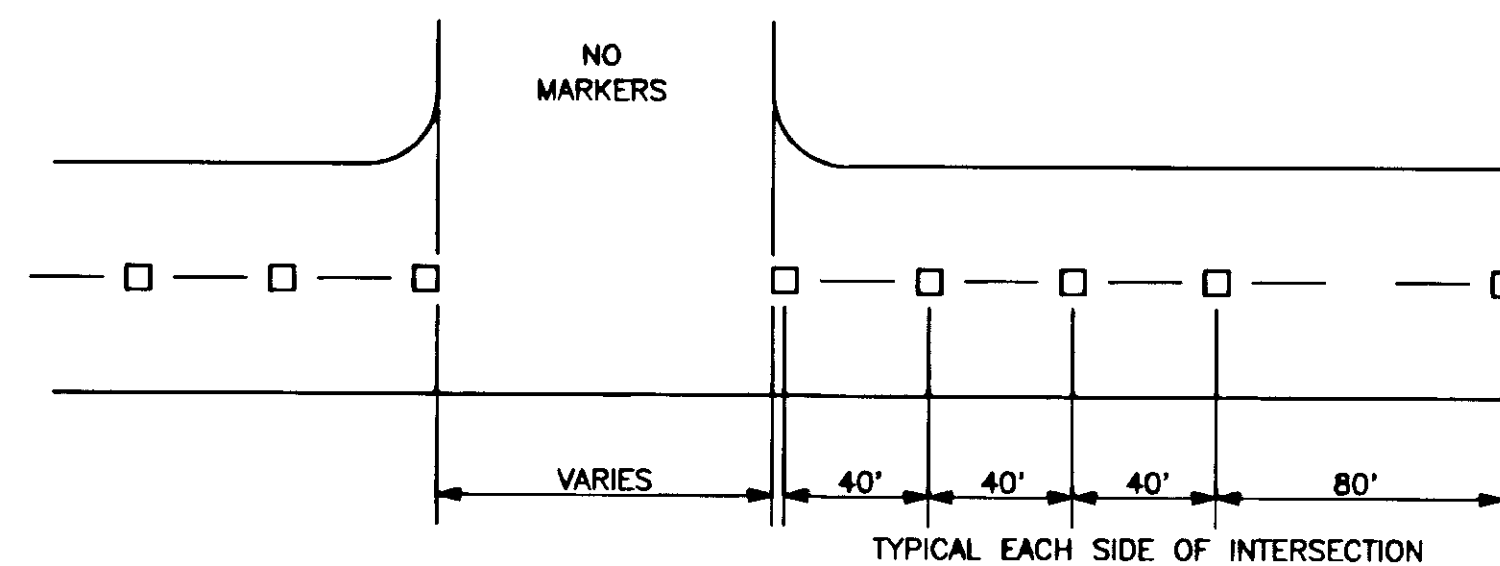
RECESSED PAVEMENT MARKER DETAIL FOR CURVES OF 3.5° OR GREATER



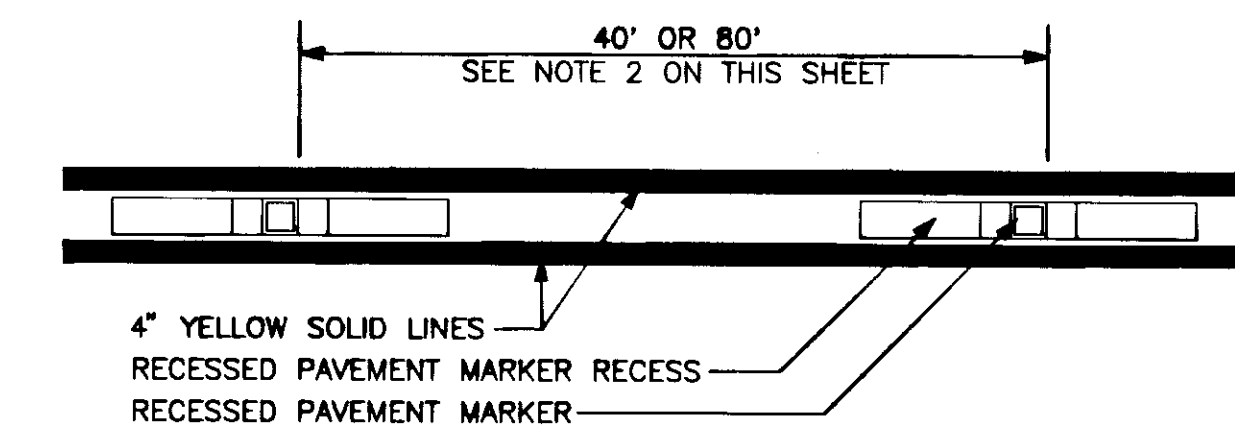
RECESSED PAVEMENT MARKER DETAIL



NO-PASSING ZONE MARKING GROOVE DETAIL



RECESSED PAVEMENT MARKER DETAIL FOR INTERSECTION APPROACHES (THIS DETAIL IS APPLICABLE AT THE AIRPORT ROAD AND AT HAMILTON BAY ROAD)



RECESSED PAVEMENT MARKER INSTALLATION DETAILS

NOTES

1. RECESSED PAVEMENT MARKERS (R.P.M.'s) SHALL BE INSTALLED BETWEEN THE B.O.P. AND THE E.O.P.
2. R.P.M.'s SHALL BE SPACED AT EVERY 80' ON TANGENT SECTIONS ROADWAY AND ON CURVES WITH A DEGREE OF CURVATURE LESS THAN 3.5'. ON CURVES WITH A DEGREE OF CURVATURE OF 3.5° OR GREATER THE R.P.M.'s SHALL BE SPACED AT EVERY 40'. SEE DETAILS AND SUMMARY ON THIS SHEET.
3. R.P.M.'s SHALL NOT BE PLACED IN THE INTERSECTION WITH AIRPORT ROAD OR IN THE INTERSECTION WITH HAMILTON BAY ROAD. USE THE RECESSED PAVEMENT MARKER DETAIL FOR INTERSECTION APPROACHES ON THIS SHEET AT THESE LOCATIONS.
4. ON ALL ROADWAY SECTIONS WITH DOUBLE LINES (EITHER BROKEN OR SOLID) R.P.M.'s SHALL BE PLACED BETWEEN THE LINES, ON SECTIONS OF ROADWAY WITH SINGLE BROKEN LINES THE R.P.M.'s SHALL BE PLACED ON THE CENTERLINE BETWEEN THE STRIPES.
5. THE LOCATIONS OF ALL PASSING AND NO-PASSING ZONES SHALL BE DETERMINED AND LOCATED IN THE FIELD BY THE ENGINEER.

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

NO.	DATE	DESCRIPTION OF CHANGE

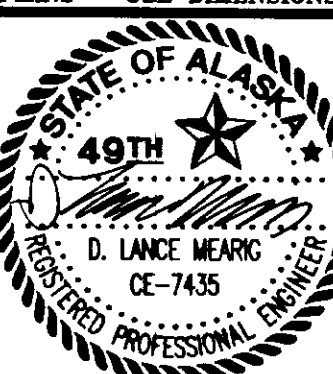
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

KAKE
KEKU ROAD PAVING
CONSTRUCTION DETAILS

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DESIGNED BY: D.L.M.
DRAWN BY: J.E.M.
CHECKED BY: D.L.M.

SCALE: NOT TO SCALE
DATE: JAN. 1993
SHEET 5 OF 9



SIGNING SUMMARY

SIGN No.	STATION	OFFSET		CODE No.	LEGEND	SIGN PANEL		POSTS		FACING TRAFFIC	REMARKS	
		LEFT	RIGHT			SIZE	AREA	No. OF POSTS	LENGTH			EMBED.
1	13+80		16'	I-3	Gunnuk Creek	24x48	8 s.f.	2	16'-6"	3'-6"	E.B.	
2	15+19	16'		I-3	Gunnuk Creek	24x48	8 s.f.	2	16'-6"	3'-6"	W.B.	REMOVE EXISTING SIGN
3	26+90		17'	I-3	Little Gunnuk Creek	36x48	12 s.f.	2	16'-6"	3'-6"	E.B.	REMOVE EXISTING SIGN
4	27+10	17'		I-3	Little Gunnuk Creek	36x48	12 s.f.	2	16'-6"	3'-6"	W.B.	REMOVE EXISTING SIGN
5	95+25-28		32'	D1-3	Kake ← Ferry Terminal ← Portage Cove	54x138	51.75 s.f.	2	19'-0"	3'-6"	S.B.	REMOVE EXISTING SIGN
6	111+41		27'	I-8	FERRY SYMBOL	24x24	2 s.f.	1	17'-0"	3'-6"	S.B.	
7	111+41		27'	R6-1R	ONE WAY	36x12	3 s.f.	1	17'-0"	3'-6"	S.B.	MOUNT BELOW SIGN No.6
8	111+41		27'	R6-1L	ONE WAY	36x12	3 s.f.	1	17'-0"	3'-6"	N.B.	MOUNT ON SAME POST AS SIGN No.6
9	112+16	28'		I-8	FERRY SYMBOL	24x24	2 s.f.	1	17'-0"	3'-6"	N.B.	
10	112+16	28'		R6-1L	ONE WAY	36x12	3 s.f.	1	17'-0"	3'-6"	N.B.	MOUNT BELOW SIGN No.9
11	112+16	28'		R6-1R	ONE WAY	36x12	3 s.f.	1	17'-0"	3'-6"	S.B.	MOUNT ON SAME POST AS SIGN No.9
12	114+56		14'	R6-1L	ONE WAY	36x12	3 s.f.	1	17'-0"	3'-6"	S.B.	
13	114+56		14'	R6-1R	ONE WAY	36x12	3 s.f.	1	17'-0"	3'-6"	N.B.	MOUNT ON SAME POST AS SIGN No.12
14	114+80	17'		D1-3	Portage Cove → ← Airport Kake	54x138	51.75 s.f.	1	19'-0"	3'-6"	E.B.	
15	114+92		31'	R1-1	STOP	30x30	5 s.f.	1	13'-0"	3'-6"	S.B.	
16	114+92+115+25	24'	31'	R6-1L	ONE WAY	36x12	3 s.f.	1	17'-0"	3'-6"	S.B.	
17	115+25	24'		R6-1R	ONE WAY	36x12	3 s.f.	1	17'-0"	3'-6"	N.B.	MOUNT ON SAME POST AS SIGN No.16
18	179+95		17'	R1-1	STOP	30x30	5 s.f.	1	13'-0"	3'-6"	S.B.	
19	180+50	35'		W14-2B	END ROAD 500 FT.	30x30	5 s.f.	1	17'-0"	3'-6"	E.B.	REMOVE EXISTING SIGN
20	187+86		13'	W14-2A	END	24x24	4 s.f.	1	17'-0"	3'-6"	E.B.	
21	187+86		13'	OM-4		18x18	2.25 s.f.	1	17'-0"	3'-6"	E.B.	MOUNT ON SAME POST AS SIGN No.20

SIGNING NOTES

- SIGN LOCATIONS ARE APPROXIMATE ONLY AND ARE SUBJECT TO MINOR FIELD REVISIONS AS DETERMINED BY THE ENGINEER.
- SIGN PANEL THICKNESS SHALL BE 0.080"
- ALL SIGN POSTS SHALL BE NEW TELESCOPING, PERFORATED, GALVANIZED, 2" x 2" STEEL POSTS INSTALLED IN ACCORDANCE WITH STANDARD DRAWING S-05.00.
- ALL SIGNS SHALL BE INSTALLED AT "EXPRESSWAY" HEIGHT AS PER STANDARD DRAWING S-05.00.
- ALL SIGN POSTS SHALL BE INSTALLED WITH THE SLEEVE TYPE EMBEDMENT IN ACCORDANCE WITH STANDARD DRAWING S-30.01.

MC-250 PRIME COAT SLOPE PROTECTION SUMMARY

STATION TO STATION	OFFSET		REMARKS
	LEFT	RIGHT	
15+13.93		X	B.O.P. to 60.0' - Foreslopes Left
15+13.93	X		
15+13.93		X	Sta. 91~ to 109~ - Foreslopes Right
26+22.30		X	
26+22.30	X		
26+22.30		X	Sta. 161+20 to 185~ - Foreslopes Right
26+72.30		X	
26+72.30	X		
83+30.00		X	
83+30.00	X		
112+80.00		X	
112+80.00	X		
129+37.00		X	
129+37.00	X		
136+00.00		X	Note: Exclude driveway approaches
136+00.00	X		
157+55.00		X	
157+55.00	X		
157+50.00		X	
157+50.00	X		
160+75.00		X	
160+75.00	X		
172+40.00		X	
172+40.00	X		
172+80.00		X	
172+80.00	X		

DRIVEWAY SUMMARY

STATION	WIDTH		REMARKS	STATION	WIDTH		REMARKS
	LEFT	RIGHT			LEFT	RIGHT	
16+18	14'			107+12	20'		
16+40		11'		108+46	26'		
16+72		17'		109+71		28'	
17+04	45'		MATCH TO EXIST. CONC. PAD ON RT. SIDE OF DRIVE	111+00	28'		
18+30	14'			114+50		30'	
20+72		24'		119+66	14'		
21+30		95'	PAVE PULLOUT	123+06	14'		
22+40		20'		128+03		16'	APPLY 6" BASE COURSE AND GRADE BEFORE PAVING
22+86		74'		127+87	36'		
23+75		24'		130+05	50'		APPLY 6" BASE COURSE AND GRADE BEFORE PAVING
81+54		14'		133+75		14'	
82+45		14'		140+56		20'	
82+69	24'		"C" STREET	142+27		30'	
83+16		14'		143+17		14'	
84+18	14'			143+76		14'	
86+89	24'		"D" STREET	150+18	14'		
89+77		150'	PAVE PULLOUT	151+47	14'		
94+75		22'		160+46		24'	
94+81	40'		AIRPORT ACCESS RD., MATCH EXISTING PAVEMENT, SEE DETAIL ON SHEET 5	160+84	25'		
101+10		14'		168+00		15'	
102+09		14'		171+39		20'	
103+47		14'		180+00	24'		
105+83		24'					
106+96		24'					

VALVE BOX ADJUSTMENT SUMMARY

STATION	OFFSET	REMARKS
80+85	8' RT	Station Jumper
92+15	7' RT	15' RT
92+25	7' RT	138+60
99+89	15' RT	138+60

NOTE: LOCATIONS ARE BASED ON "AS-BUILT" STATIONING AND ARE APPROXIMATE.

MANHOLE ADJUSTMENT SUMMARY

STATION	OFFSET	REMARKS
11+60	5' LT	Station Jumper
16+15	18' LT	21' LT
26+70	8' LT	82+69 19' RT
86+00	5' LT	89+77 18' LT
114+95	20' RT	112+95 20' RT
119+60	17' LT	128+20 14' LT
122+85	12' LT	94+70 36' RT
126+30	14' RT	
127+95	14' LT	

NOTE: LOCATIONS ARE BASED ON U.S. PUBLIC HEALTH SERVICE PLANS, PROJECT NO. AN-91-031, AND ARE APPROXIMATE.

CULVERT SUMMARY

STATION	OFFSET		REMOVAL	INSTALLATION	REMARKS
	LEFT	RIGHT			
17+16	22'		22'		
17+04	22'			60'	
82+88	22'		20'	20'	REPAIR INLET END OF CULVERT AS DIRECTED BY THE ENGINEER
124+15+27+90	40'			35' 32'	DITCH TO DRAIN AT INLET
127+90	23'			50'	DITCH TO DRAIN AT INLET
133+08+30+05	22'			65' 20'	
184+68				40'	REPAIR INLET END OF CULVERT AS DIRECTED BY THE ENGINEER

CLEARING SUMMARY

STATION		OFFSET
FROM	TO	
15+14	19+00	16+50 LEFT
15+14	16+50	7+50 RIGHT
22+40	22+50	RIGHT
101+26+30	105+27+40	RIGHT & Left

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

BY:	DATE:	DESCRIPTION OF CHANGE:
D.L.M.	3/25/93	REVISED CULVERT SUMMARY

RECORD OF REVISIONS

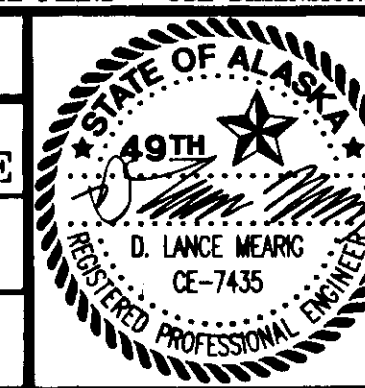
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

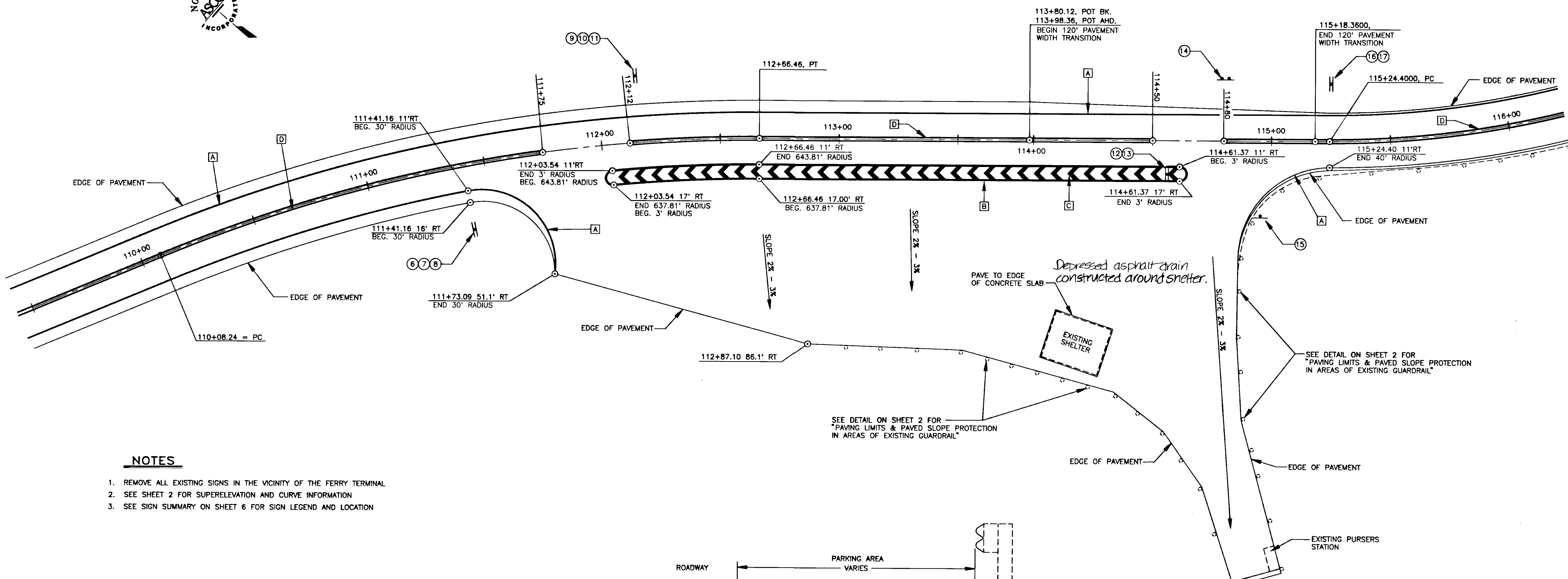
KAKE
KEKU ROAD PAVING
SUMMARIES

ASCG
INCORPORATED
ENGINEERS • ARCHITECTS • SCIENTISTS • SURVEYORS

DESIGNED BY: D.L.M.
DRAWN BY: J.E.M.
CHECKED BY: D.L.M.

SCALE:
NOT TO SCALE
DATE:
JAN. 1993
SHEET 6 OF 9

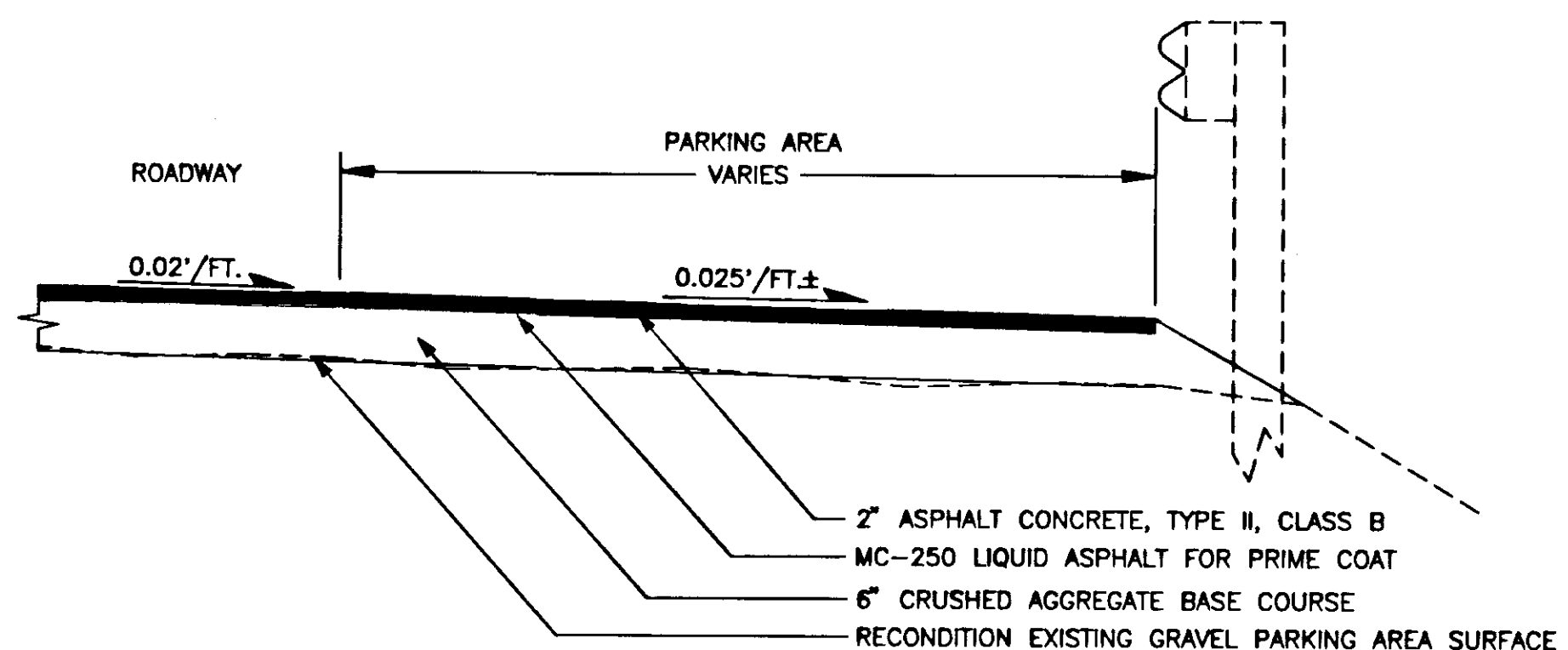




NOTES

1. REMOVE ALL EXISTING SIGNS IN THE VICINITY OF THE FERRY TERMINAL
2. SEE SHEET 2 FOR SUPERELEVATION AND CURVE INFORMATION
3. SEE SIGN SUMMARY ON SHEET 6 FOR SIGN LEGEND AND LOCATION

STRIPING LEGEND			
SYMBOL	DESCRIPTION	WIDTH	PATTERN
A	SOLID WHITE	4"	—————
B	SOLID WHITE	8"	—————
C	SOLID WHITE	18"	CHEVRON
D	SOLID DOUBLE YELLOW	4"	=====



PARKING AREA TYPICAL SECTION

RECORD OF REVISIONS	
BY:	DATE:
L.M.	3/25/93
REVISED PARKING AREA TYPICAL SECTION	
DESCRIPTION OF CHANGE:	

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

KAKE
KEKU ROAD PAVING
FERRY TERMINAL PAVING PLAN

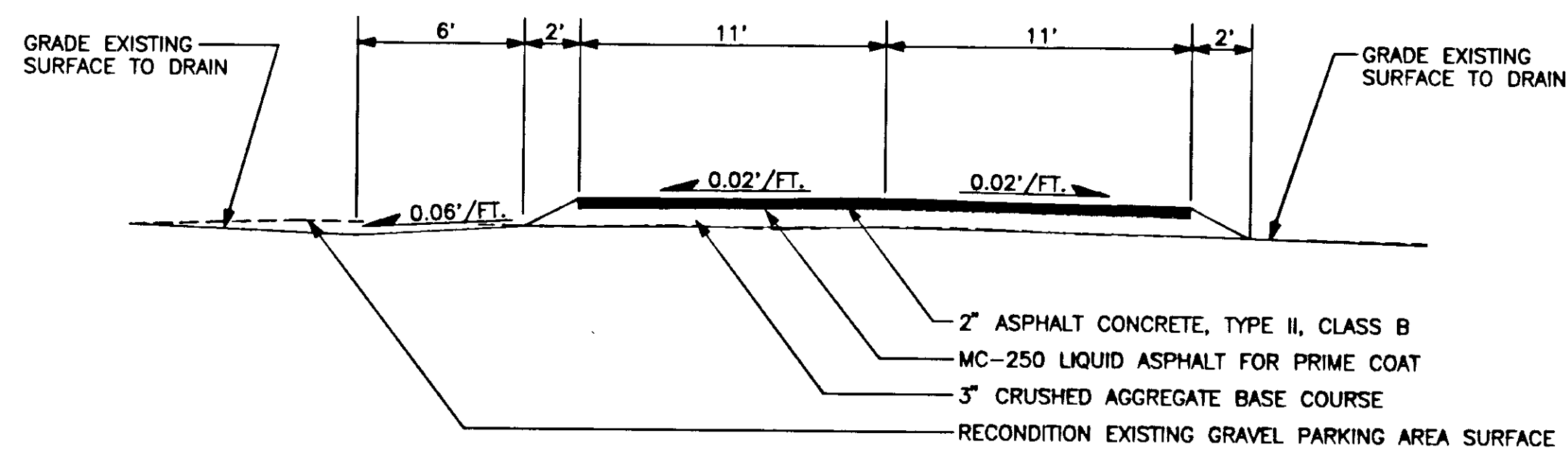


DESIGNED BY: D.L.M.
DRAWN BY: C.M.B.
CHECKED BY: D.L.M.

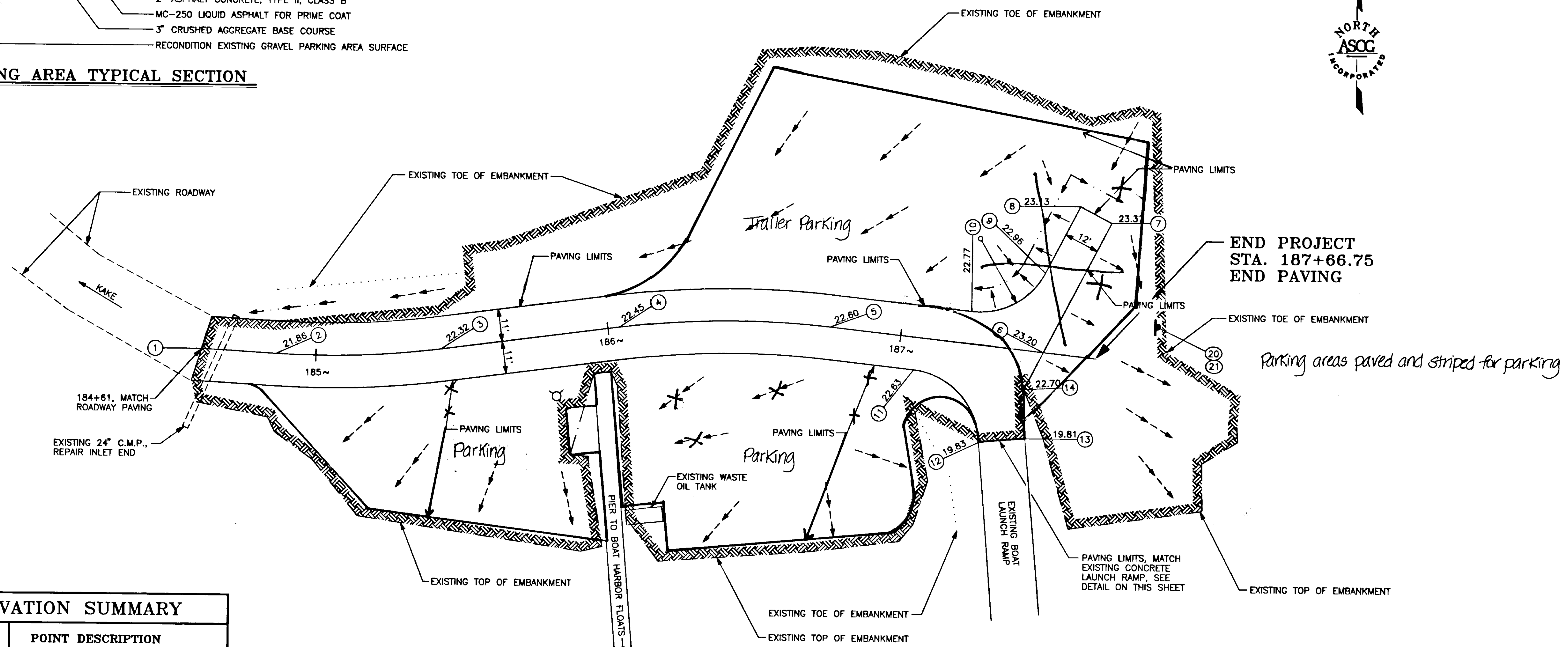
DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

STATE OF ALASKA
49TH
D. LANCE MEARS
CE-7435
REGISTERED PROFESSIONAL ENGINEER

SCALE: 1" = 20'-0"
DATE: JAN. 1993
SHEET 7 OF 9



PARKING AREA TYPICAL SECTION



END PROJECT
STA. 187+66.75
END PAVING

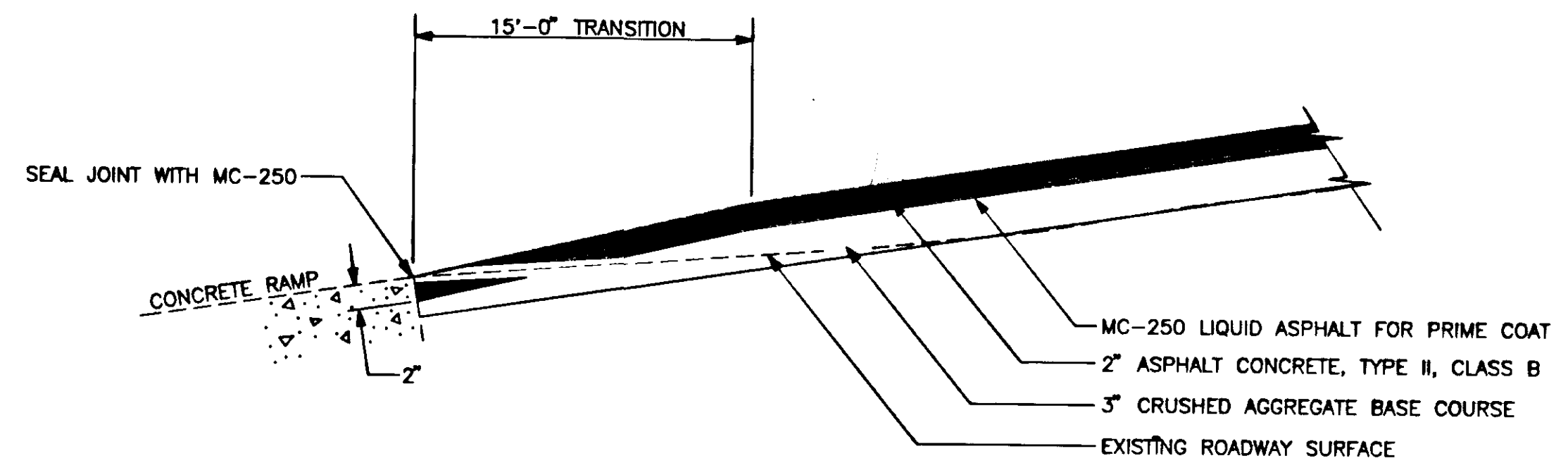
Parking areas paved and striped for parking

POINT COORDINATE & ELEVATION SUMMARY

POINT No.	NORTHING COORDINATE	EASTING COORDINATE	ELEV.	POINT DESCRIPTION
1	68785.18	40226.32		MATCH ROADWAY PAVING AT CENTERLINE
2	68783.75	40251.61	21.86	BEGIN 300' CENTERLINE RADIUS
3	68785.85	40307.76	22.32	END 300' CENTERLINE RADIUS
4	68793.87	40368.52	22.45	BEGIN 300' CENTERLINE RADIUS
5	68794.68	40440.26	22.60	END 300' CENTERLINE RADIUS
6	68786.78	40512.78	23.20	END PAVEMENT AT CENTERLINE
7	68830.94	40535.69	23.37	ANGLE POINT IN PAVEMENT
8	68836.47	40525.04	23.13	ANGLE POINT IN PAVEMENT
9	68813.80	40513.28	22.96	END 25' EDGE OF PAVEMENT RADIUS
10	68800.50	40488.41	22.77	BEGIN 25' EDGE OF PAVEMENT RADIUS
11	68780.51	40468.76	22.63	BEGIN 25' EDGE OF PAVEMENT RADIUS
12	68756.20	40491.10	19.83	END 25' RADIUS, MATCH CONCRETE RAMP
13	68757.60	40506.80	19.81	MATCH CONCRETE RAMP
14	68774.20	40506.25	22.70	ANGLE POINT IN PAVEMENT

LEGEND

- ⑧ 22.88 POINT NUMBER AND ELEVATION SEE SUMMARY ON THIS SHEET
- ← FLOW GRADE EXISTING SURFACE TO DRAIN
- ← FLOW DITCH EXISTING SURFACE TO DRAIN
- ⑳ SEE SIGN SUMMARY ON SHEET 6 FOR SIGN LEGENDS AND LOCATION
- LIMITS OF RECONDITIONING



CONCRETE/PAVEMENT MATCH DETAIL

DATE	DESCRIPTION OF CHANGE
3/25/93	ADDED RECONDITIONING LIMITS
3/25/93	REV. SPOT ELEVATIONS, ADDED CONC./PAVE. MATCH DETAIL
3/25/93	REVISED PARKING AREA TYPICAL SECTION

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

KAKE
KEKU ROAD PAVING
BOAT HARBOR PAVING PLAN

ASCG
INCORPORATED
ENGINEERS • ARCHITECTS • SCIENTISTS • SURVEYORS

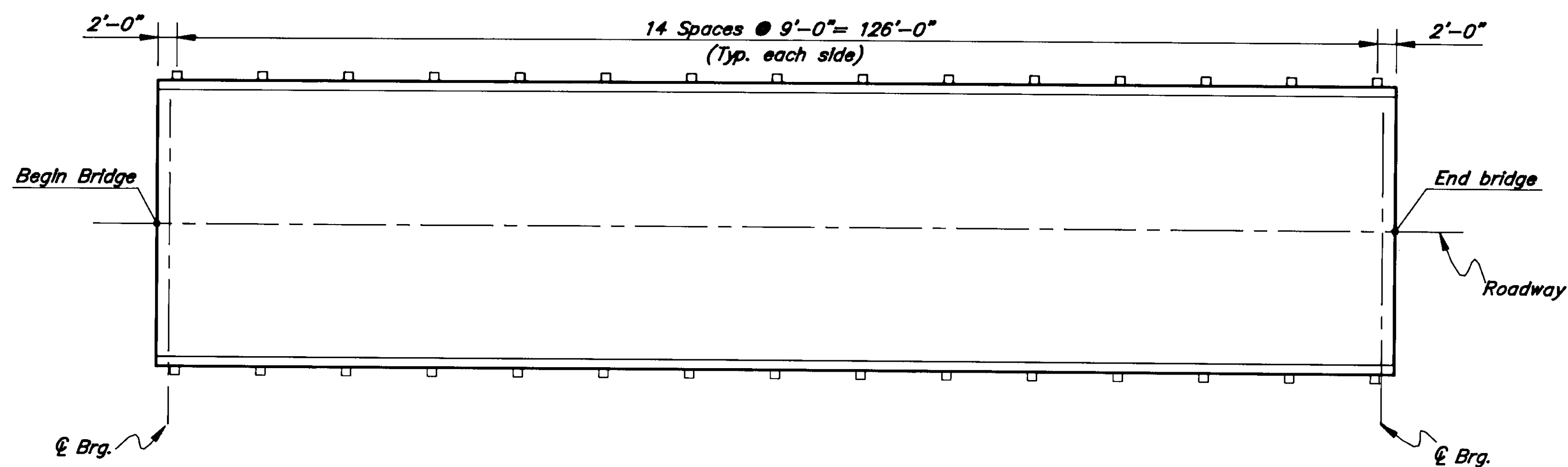
DESIGNED BY: D.L.M.
DRAWN BY: J.E.M.
CHECKED BY: D.L.M.

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

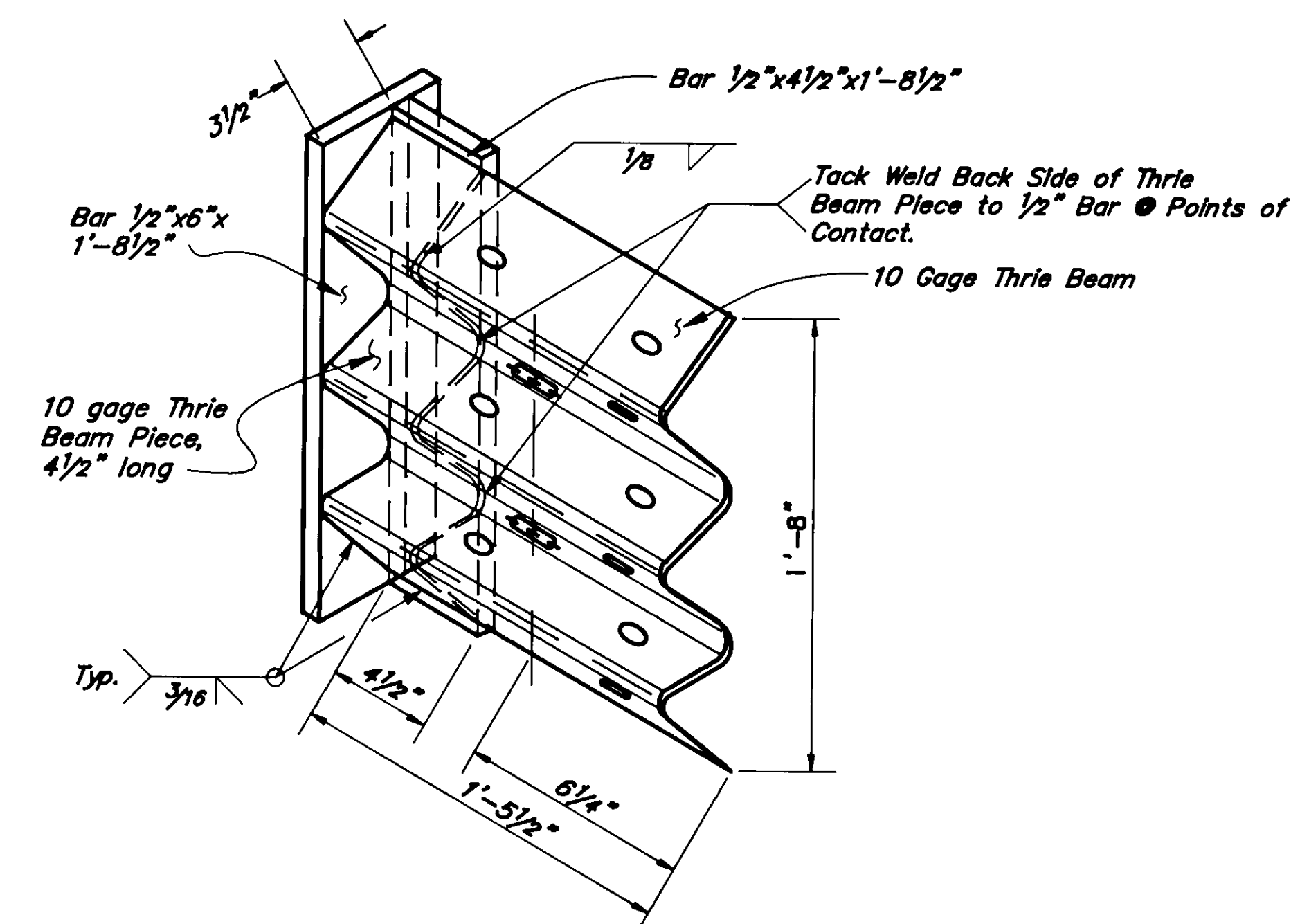
SCALE: NOT TO SCALE
DATE: JAN. 1993
SHEET 8 OF 9

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0939(4)/70475	1992	8	8

Addendum No. 1, Attachment No. 2



EXISTING RAILPOST LAYOUT

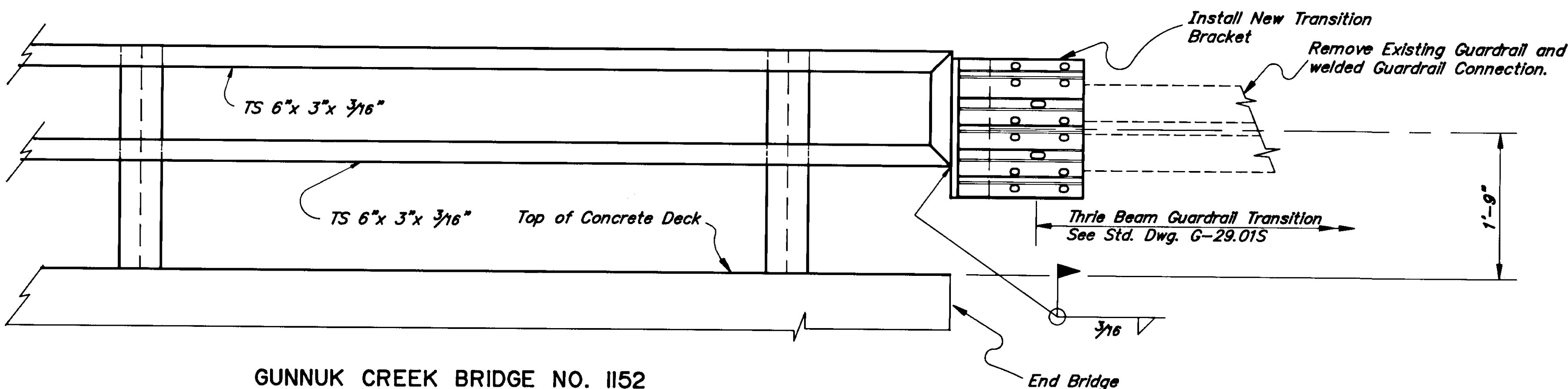


THRIE BEAM TRANSITION BRACKET

4 TOTAL REQUIRED
Not To Scale

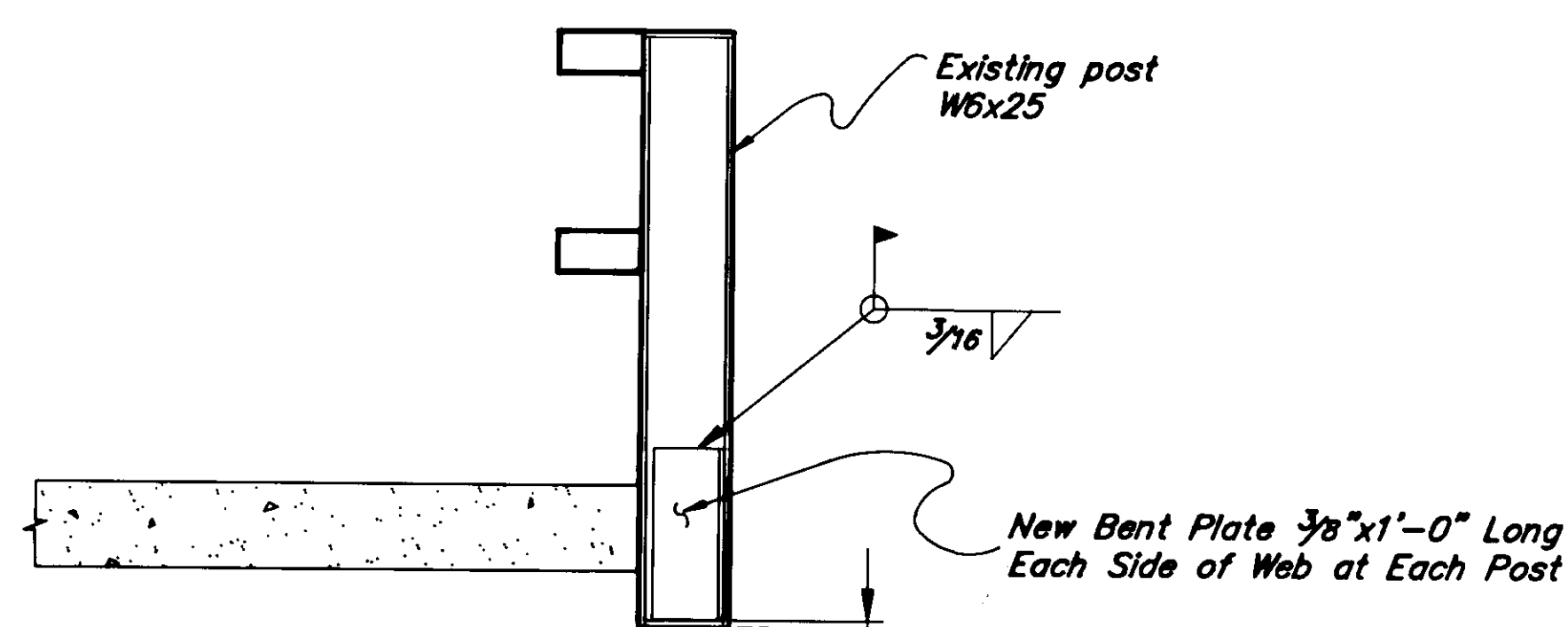
NOTE:

1. Bracket shall conform to ASTM A-36 and be shop fabricated and galvanized in accordance with Standard Specification 722.
2. Prior to field welding, galvanizing on steel members shall be removed by grinding to base metal.
3. Thrie Beam Guardrail Transition "NESTED" sections shall be installed on the side of Transition Bracket so that the lap is in the direction of traffic, typical either end of Bridge. Ref. Std. Dwg. G-29.01S.
4. Guardrail/Bridge Rail Connections shall be measured per each installed in place. Each connection shall include one Transition Bracket, standard Thrie Beam section (nested), Thrie Beam to standard W-Beam Transition, and all posts and associated hardware required to connect standard W-Beam Guardrail to a Bridge per Std. Dwg. G-29.01S.
5. Galvanized steel damaged by field cutting or welding shall be repaired in accordance with AASHTO Specification M-36.



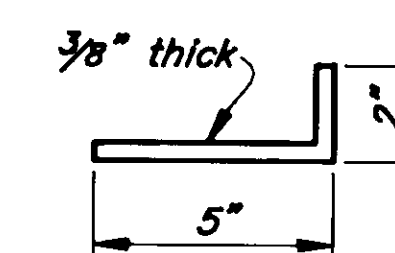
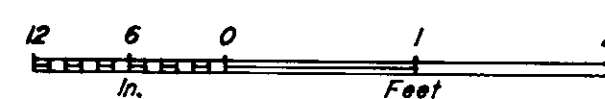
GUNNUK CREEK BRIDGE NO. 1152
EXISTING BRIDGE RAIL ELEVATION

Not To Scale



RAILPOST UPGRADE

30 Posts Total



BENT PLATE

Not To Scale



SCALE: 1/8" = 1'-0"
DRAWN BY: GAF

GUNNUK CREEK

BRIDGE RAIL TRANSITION
BRACKET AND RAILPOST
UPGRADE

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



BRIDGE NO. 1152

DWG. NO. 1