



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

JUNEAU, ALASKA

**MENDENHALL LOOP ROAD
PAVEMENT REHABILITATION
PROJECT NO. STP-0966(18)/71523
STUD WEAR RUTTING REPAIR**

INDEX OF SHEETS

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The following Standard Drawings apply to this project :

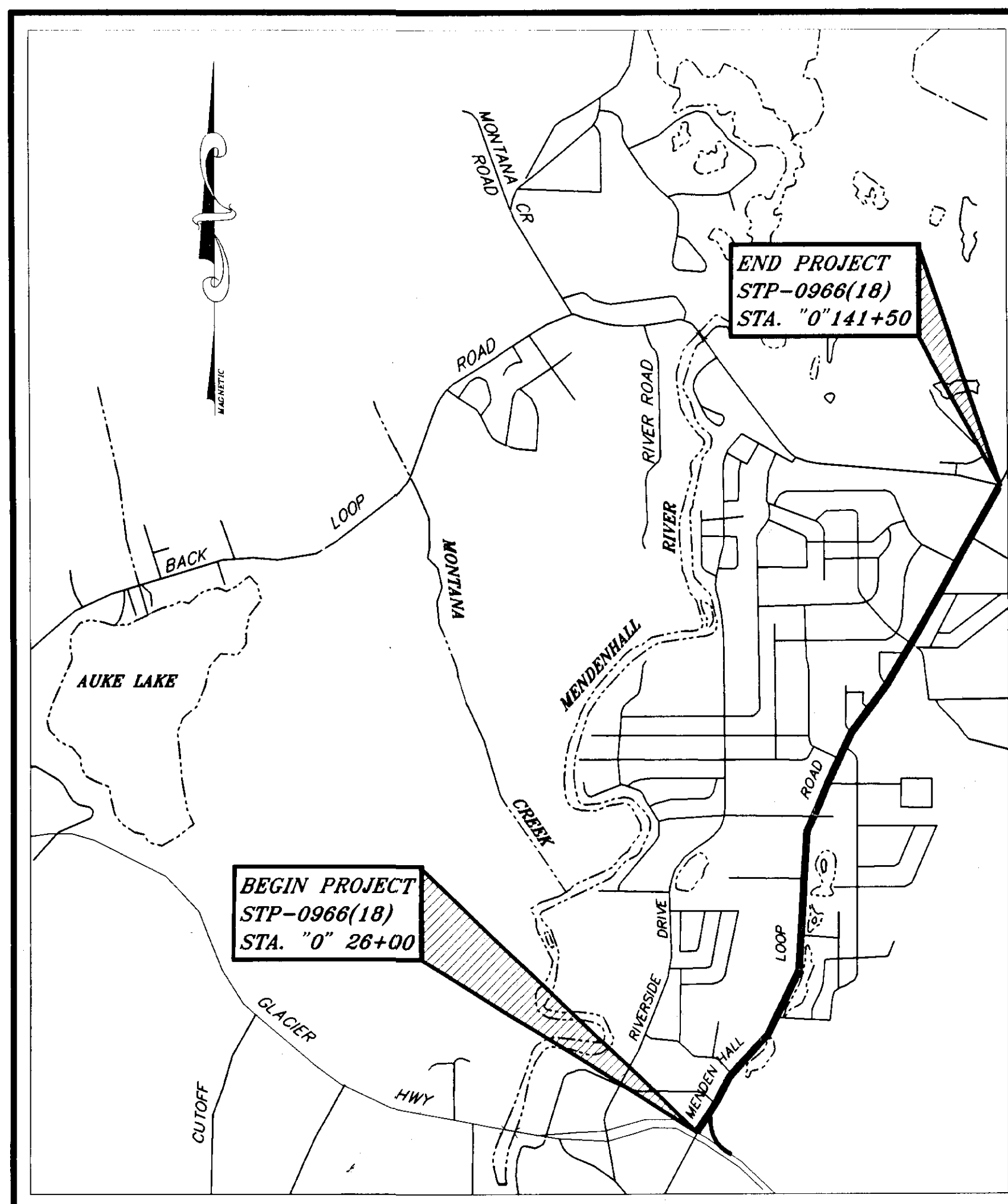
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DESIGN DESIGNATION

ADT 1994 = 21500
ADT 2004 = 24900
DHV 12.5 % = 3150
D = 70/30
T = 3.4 %
V = 40 MPH

DESIGN DATA

WIDTH OF PAVEMENT = VARIES
LENGTH OF PAVING = 11,550 (2.19 MI.)
LENGTH OF PROJECT = 11,550 (2.19 MI.)



VICINITY MAP

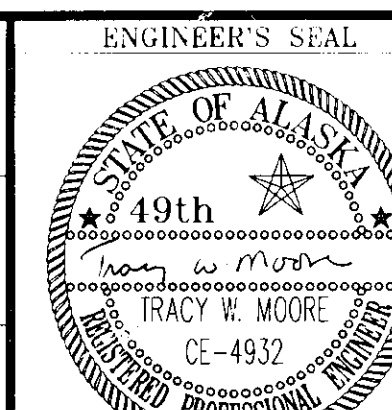
*Checked Section 11
Project Number STP-0966(18)
Design and Construction Division
Juneau, Alaska*

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

APPROVED  Date 9/8/94
Regional Preconstruction Engineer

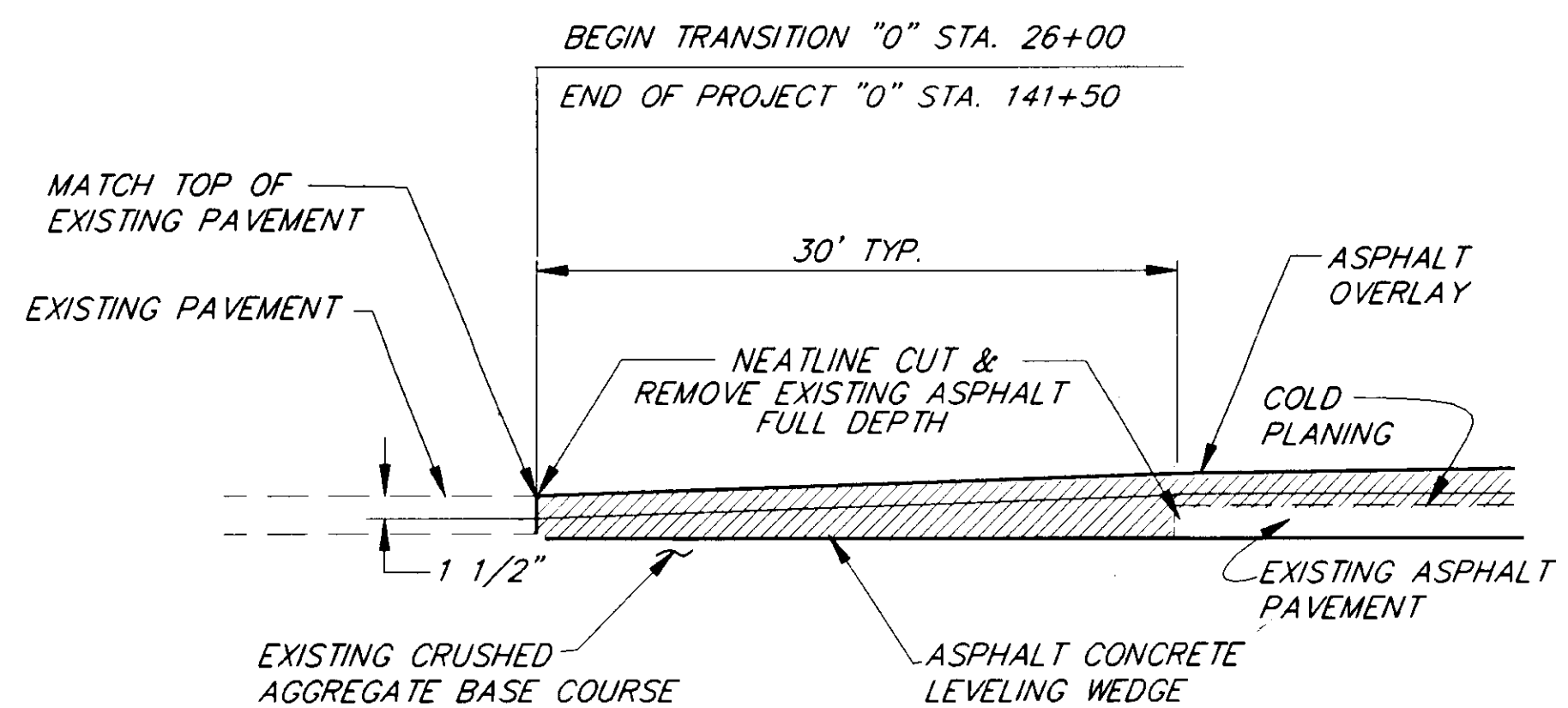
APPROVED  Date 9/8/94
Dir. Director, S.E. Region Design & Construction

PROJECT NUMBER:
71523
DATE:
SEPTEMBER 1994
SHEET **1** OF **20**



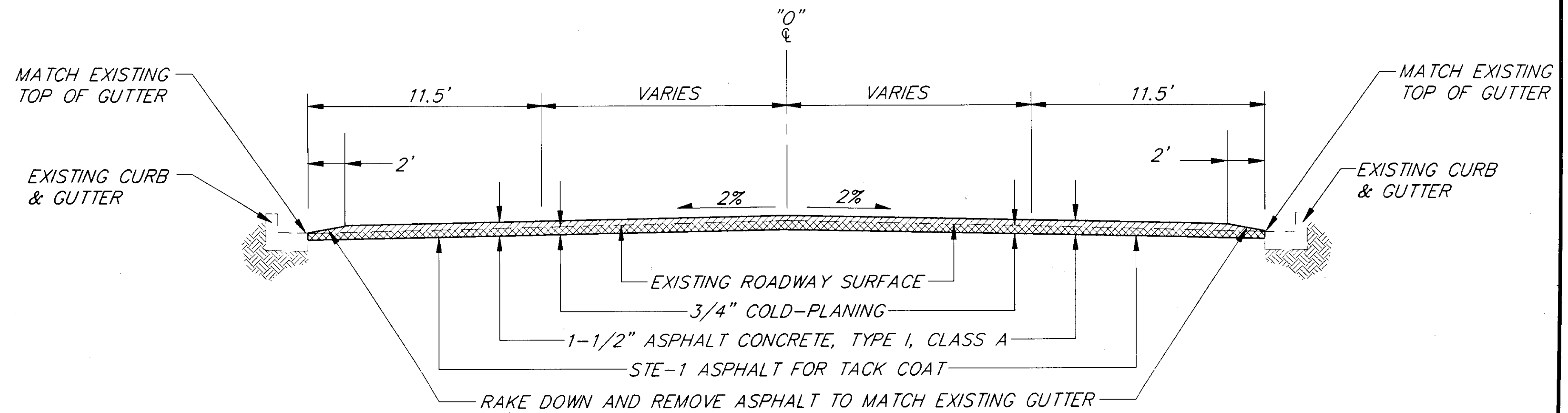
AS-BUILT
BY: *B. D.* DATE: 8-96

UNU ENPAVE\CR\TSHEET 1-1



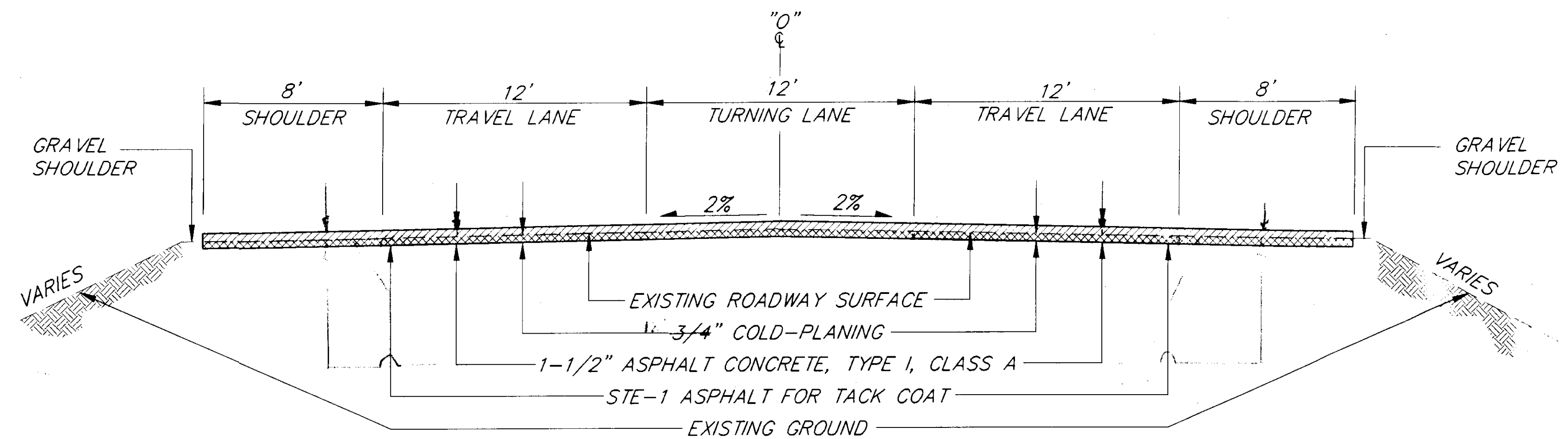
TRANSITION DETAIL

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



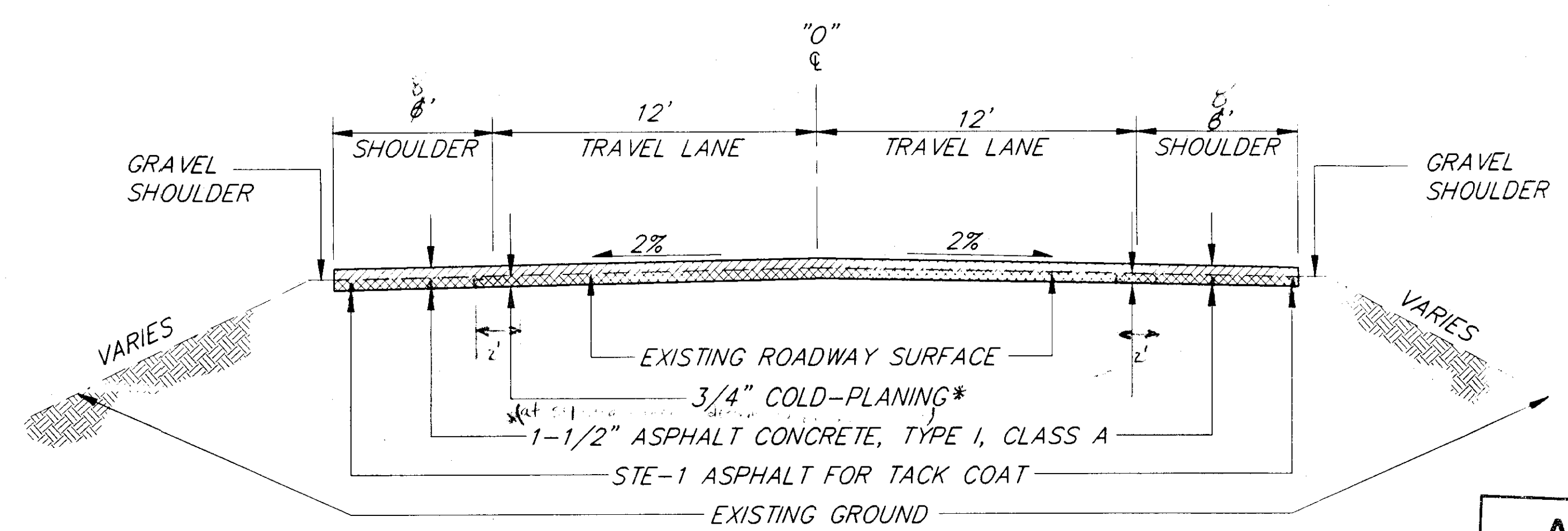
TYPICAL SECTION

STA. 26+00 TO STA. 54+00



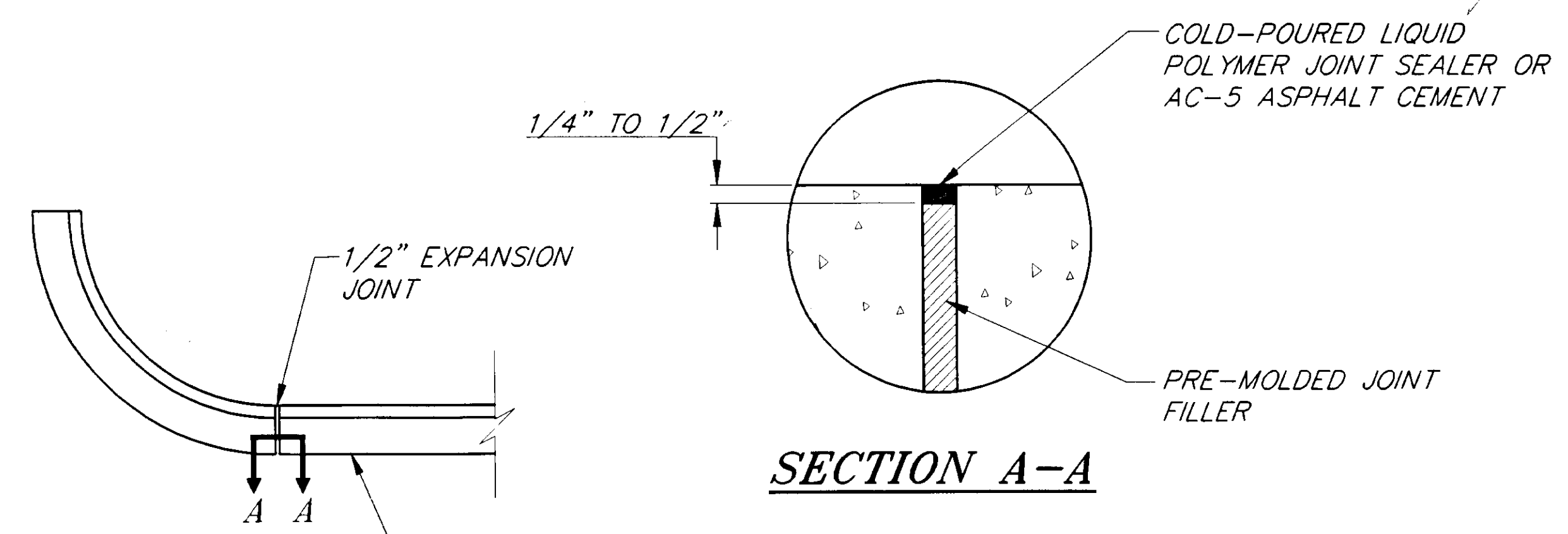
TYPICAL SECTION

STA. 54+00 TO STA. 117+00



TYPICAL SECTION

STA. 117+00 TO STA. 141+50



SECTION A-A

SEE STANDARD DRAWING I-20.11 FOR CURB AND GUTTER DETAILS

TYPICAL CURB & SIDEWALK JOINT DETAILS

NOTE: CURB AND GUTTER EXPANSION JOINTS SHALL BE PLACED AT EACH POINT OF TANGENCY, POINT OF RADIUS, ANGLE POINT AND THEREAFTER THEY SHALL BE PLACED AT INTERVALS OF 30' EXCEPT WHERE SHORTER SECTIONS ARE NEEDED FOR CLOSURE.

AS-BUILT
 BY: B.A. DATE: 8-96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\JNU\MENDPAVE\DR\TYPSEC 1-1		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

JUNEAU ALASKA
 MENDENHALL LOOP ROAD PAVEMENT REHABILITATION
 PROJECT NO. STP-0966(18)/71523
 STUD WEAR RUTTING REPAIR
TYPICAL SECTIONS

DESIGNED BY: F. MURPHY	PROJECT NO. 71523
DRAWN BY: B. ADAMS	DATE: SEPT. 1994
CHECKED BY: T. MOORE	SHEET 2 OF 20



ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
401(1A)	ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS A	TON	8,000
120(1)	DBE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D.
202(1)	REMOVAL OF STRUCTURES & OBSTRUCTIONS	LUMP SUM	ALL REQ'D.
202(2)	REMOVAL OF PAVEMENT	SQUARE YARD	400 1,160
202(9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	160 185
203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	0 620
301(1)	CRUSHED AGGREGATE BASE COURSE	TON	74.7 303
304(1)	SUBBASE, GRADING "E"	TON	884 1,500
401(1)	ASPHALT CONCRETE PAVEMENT, TYPE I, CLASS A	TON	0 7,800
401(2)	PBA-2 ASPHALT CEMENT	TON	530.70 468
402(2)	STE-1 ASPHALT FOR TACK COAT	TON	23.05 27
406(2)	RUMBLE STRIP GROOVING	LUMP SUM	ALL REQ'D.
408(1A)	17 INCH COLD PLANING, C.O.#3	SQUARE YARD	20,303
408(1)	PAVEMENT COLD PLANING	SQUARE YARD	64,000
408(2)	TAPERED GRINDING, C.O.#3	EACH	22
503(1)	CLASS A CONCRETE	LUMP SUM	ALL REQ'D.
503(1)	REINFORCING STEEL	LUMP SUM	ALL REQ'D.
509(2)	BUS STOP SHELTER	EACH	2
603(9-48)	48" CORRUGATED ALUMINIUM PIPE	LINEAR FOOT	148
603(12)	END SECTION FOR 48" CORR. ALUM. PIPE	EACH	2
603(17-18)	18 INCH PIPE	LINEAR FOOT	45 56
604(4)	ADJUST EXISTING MANHOLE	EACH	3 1
607(3)	CHAIN LINK FENCE	LINEAR FOOT	385
607(4)	RECONSTRUCTED FENCE	LINEAR FOOT	200 100
607(7)	REMOVAL OF FENCE	LINEAR FOOT	334 309
608(3)	ASPHALT SIDEWALK	SQUARE YARD	1,010.5 310
609(2)	CURB AND GUTTER TYPE STANDARD	LINEAR FOOT	315 302
614(4)	ADJUST EXISTING MONUMENT CASES	EACH	25 26
615(1)	STANDARD SIGNS	SQUARE FOOT	711 2,822.54
615(2)	REMOVE AND RELOCATE EXISTING SIGNS	EACH	1
619(3)	SILT FENCE	LINEAR FOOT	215 220
404(5)	DEMOLITION, C.O.#3	EACH	7
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D.
641(1)	TEMPORARY EROSION AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQ'D.
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D.
642(2)	THREE PERSON SURVEY PARTY	HOUR	3 10
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D.
643(3)	PERMANENT CONSTRUCTION SIGNING	LUMP SUM	ALL REQ'D.
643(4)	CONSTRUCTION SIGN	EACH PER DAY	283 550
643(6)	TYPE III BARRICADE	EACH PER DAY	13 30
643(7)	TRAFFIC CONE	EACH PER DAY	2,983 6,000
643(8)	DRUM	EACH PER DAY	284 550
643(10)	SPECIAL CONSTRUCTION SIGN	SQUARE FOOT	0 21
643(13)	TEMPORARY PAVEMENT MARKING	STATION	116
643(15)	FLAGGING	HOUR	700 2,500
660(1)	TRAFFIC SIGNAL SYSTEM COMPLETE	LUMP SUM	ALL REQ'D.
660(3)	HIGHWAY LIGHTING SYSTEM COMPLETE	LUMP SUM	ALL REQ'D.
670(6)	PREFORMED TRAFFIC MARKINGS	LUMP SUM	ALL REQ'D.
670(8)	RECESSED PAVEMENT MARKERS	EACH	660 850
660(1A)	Miscellaneous Electrical Work, C.O.#4	Lump Sum	All REQ'D.
660(1B)	ROTATE SIGN - CABINET, C.O.#5	Lump Sum	All REQ'D.
		TOTAL	= 25 26

ADJUST EXISTING MONUMENT SUMMARY

STATION	MONUMENT	CASE	POINT MONUMENT
"0" 37+41.67	X	X	P.O.C.
"0" 37+49.40	X	X	P.I.
"0" 41+68.04	X	X	P.C.
"0" 44+14.00	X	X	P.O.C.
"0" 48+23.22	X	X	P.T.
"0" 54+90.72	X	X	P.C.
"0" 61+50.45	X	X	P.T.
"0" 64+73.52	X	X	P.C.
"0" 70+00.00	X	X	P.O.C.
"0" 78+23.91	X	X	P.O.C.
"0" 81+57.68	X	X	P.O.C.
"0" 84+44.83	X	X	P.I.
"0" 81+99.40	X	X	P.O.C.
"0" 87+12.08	X	X	P.O.C.
"0" 91+35.89	X	X	P.O.C.
"0" 92+94.95	X	X	P.O.C.
"0" 94+48.29	X	X	P.I.
"0" 95+98.17	X	X	P.O.C.
"0" 100+44.66	X	X	P.O.C.
"0" 101+41.74	X	X	P.T.
"0" 112+33.00	X	X	P.O.C.
"0" 112+43.93	X	X	P.O.C.
"0" 114+00.50	X	X	P.I.
"0" 121+92.35	X	X	P.O.T.
"0" 125+28.36	X	X	P.O.T.
"0" 142+00	X	X	P.I.
"0" 138+76.50	X	X	P.O.T.
		TOTAL	= 25 26

NO EXISTING MONUMENT

NO EXISTING MONUMENT

FENCE SUMMARY

STATION TO	STATION	REMARKS
34+35	37+10	REMOVE 300'
33+25	37+10	INSTALL
79+52	80+52	RECONSTRUCT 100'
70+50	71+50	RECONSTRUCT 100'
80+52	80+86	REMOVE 34'

MANHOLE ADJUSTMENT SUMMARY

STATION	OFFSET	REMARKS
32+51	69' LT	ADJUST
39+10	30' LT	ADJUST
43+10	24' LT	ADJUST

REMOVAL OF STRUCTURES & OBSTRUCTIONS

ITEM	STATION	REF	REMARKS
BUS SHELTER	82+00	LT	
BUS SHELTER	113+00	LT	
18" PIPE	113+00	LT	
24" PIPE	109+40	℄	

GENERAL NOTES

1. THE ENGINEER SHALL ESTABLISH THE EXACT BEGINNING AND ENDING OF TYPICAL SECTION CONSTRUCTION. TRANSITIONS BETWEEN TYPICAL SECTIONS WILL BE MADE SMOOTHLY AS DIRECTED BY THE ENGINEER.
2. WITH THE EXCEPTION OF ℄, LONGITUDINAL PAVEMENT JOINTS WILL ONLY BE ALLOWED ALONG LANE SEPARATION LINES AND EDGE OF TRAVELED WAY.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SET CONTROL FOR COLD-PLANING AND PAVING, STRIPING AND RECESSED PAVEMENT MARKERS.
4. THE MATERIAL REMOVED DURING THE COLD-PLANING OPERATION SHALL BE STOCKPILED AT THE D.O.T./P.F. MAINTENANCE YARD LOCATED AT 7 MILE EGAN DRIVE.
5. THE ENGINEER MAY REQUIRE THE CONTRACTOR TO INCREASE OR DECREASE THE DEPTH OF COLD-PLANING OR TO CHANGE THE CROSS SLOPE AS NECESSARY TO REMOVE THE WHEEL RUTS OR ACHIEVE THE DESIRED CROSS SLOPE.
6. THE LOCATIONS OF ANY EXISTING TOPOGRAPHY SHOWN IS APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. THE LOCATIONS OF PROPOSED IMPROVEMENTS ARE SUBJECT TO MINOR FIELD REVISIONS.

BASIS OF ESTIMATE

ITEM NO.	PAY ITEM	ESTIMATING FACTOR
301(1)	CRUSHED AGGREGATE BASE COURSE	1.96 TON/CUBIC YARD
304(1)	SUBBASE GRADING "E"	1.85 TON/CUBIC YARD
401(1)	ASPHALT CONCRETE, TYPE II	116 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. - 253 GAL./TON @ 60°C

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

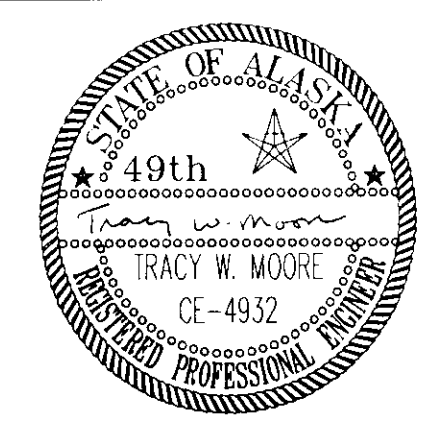
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BY:	
DATE:	
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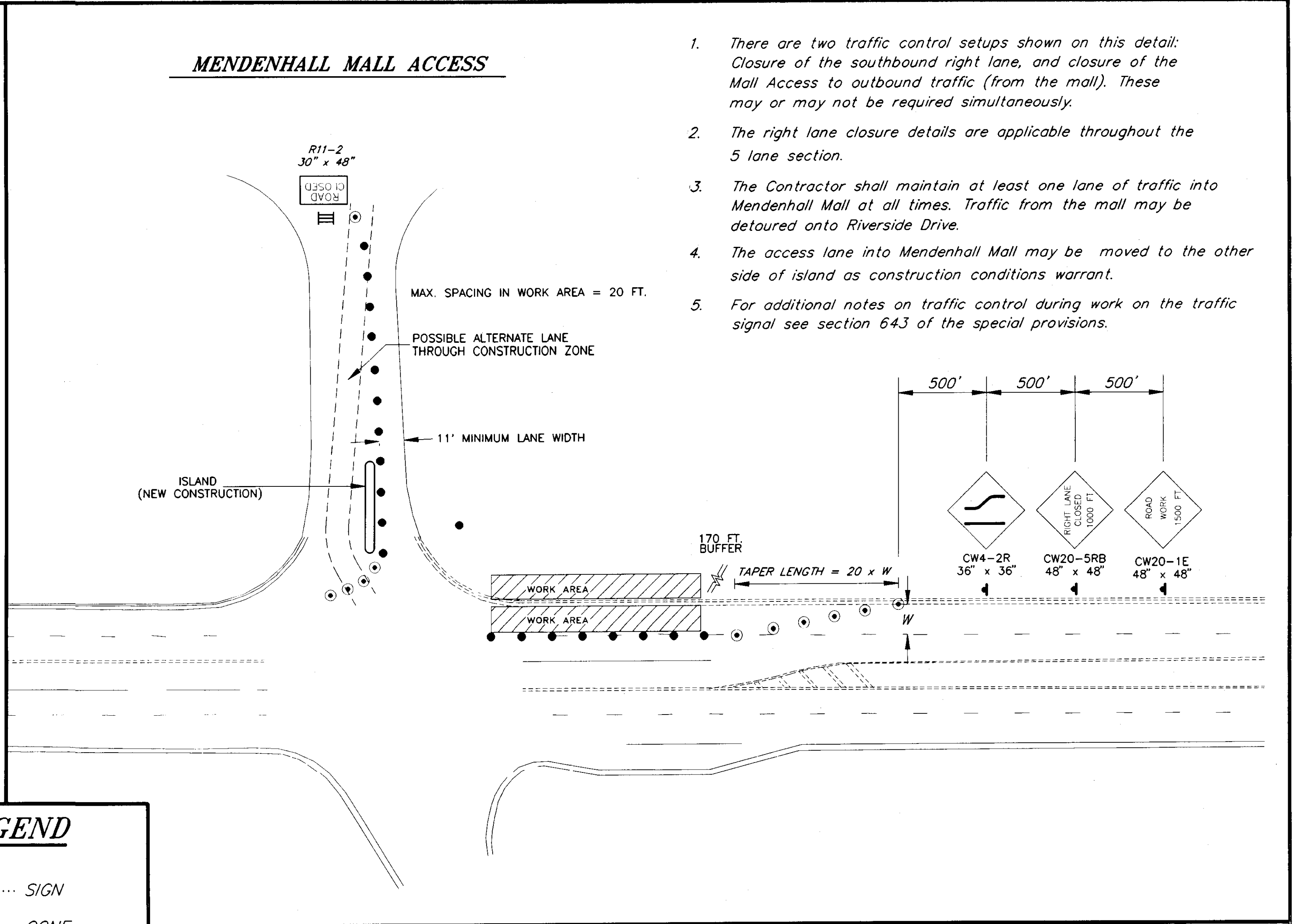
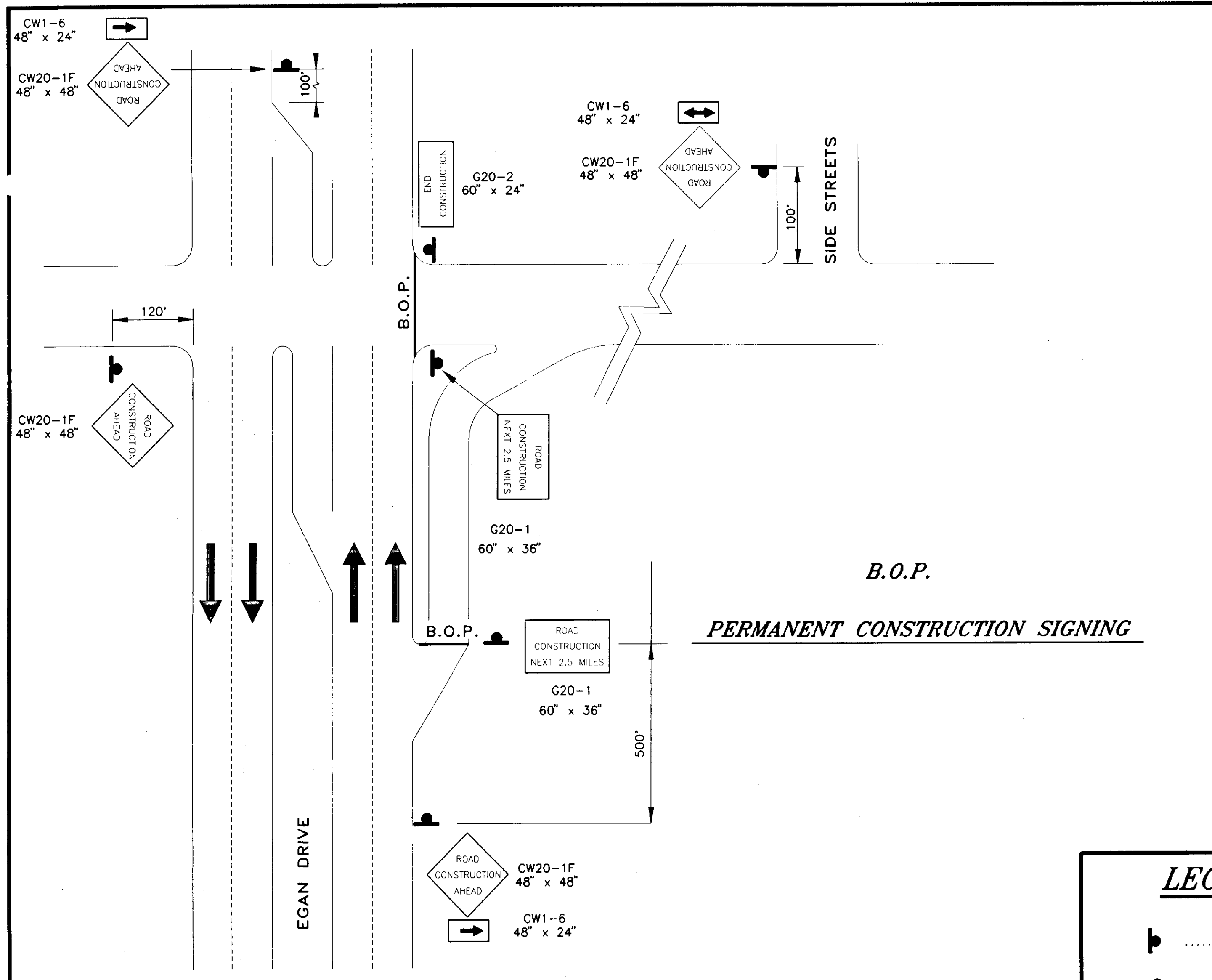
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU
MENDENHALL LOOP ROAD
PAVEMENT REHABILITATION
PROJECT NO. STP-0966(18)/71523
STUD WEAR RUTTING REPAIR
ESTIMATE OF QUANTITIES/MISC. SUMMARIES

DESIGNED BY:	P. JONES	PROJECT NO.	71523
DRAWN BY:	C. ANDERSON	DATE:	SEPT., 1994
CHECKED BY:		SHEET	3 OF 20

AS-BUILT
BY: B.A. DATE: 8-96

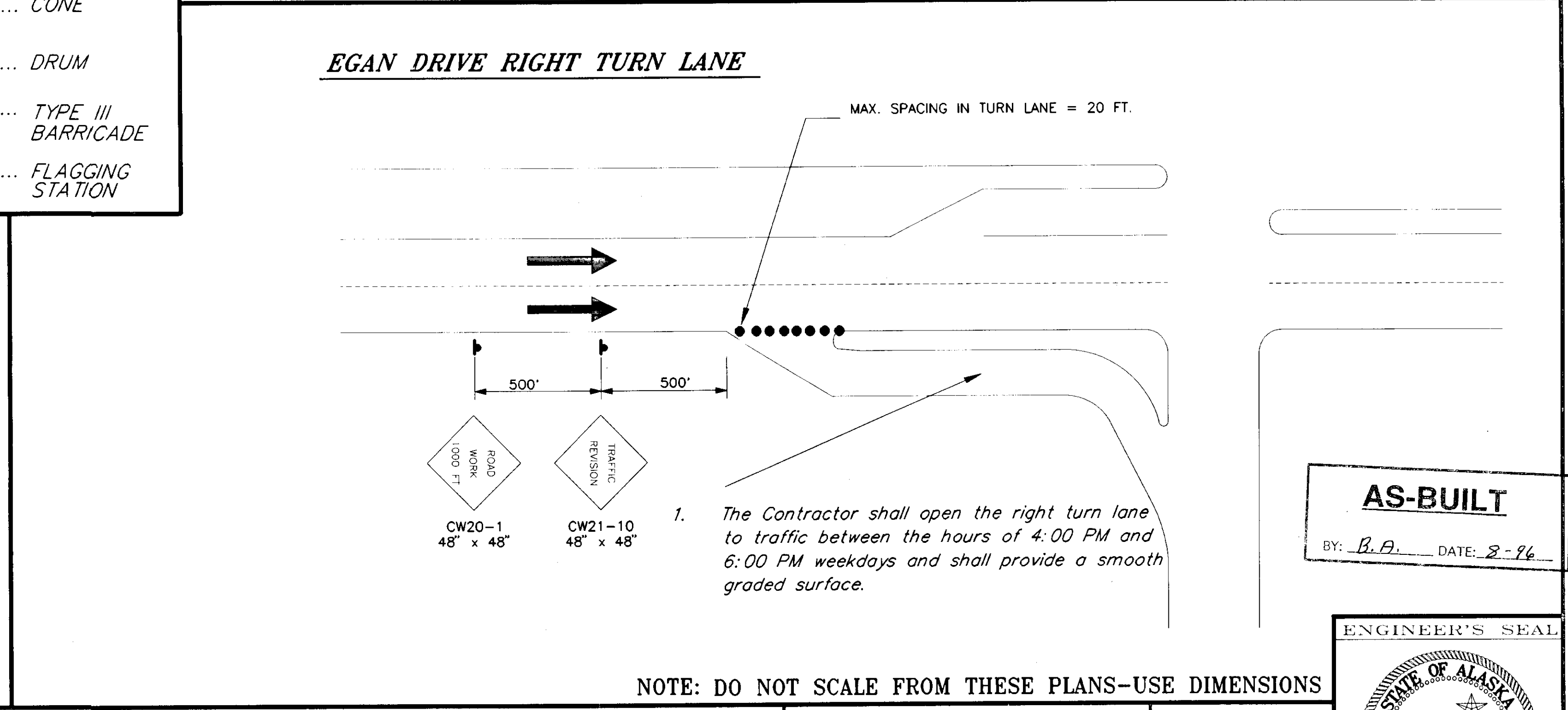
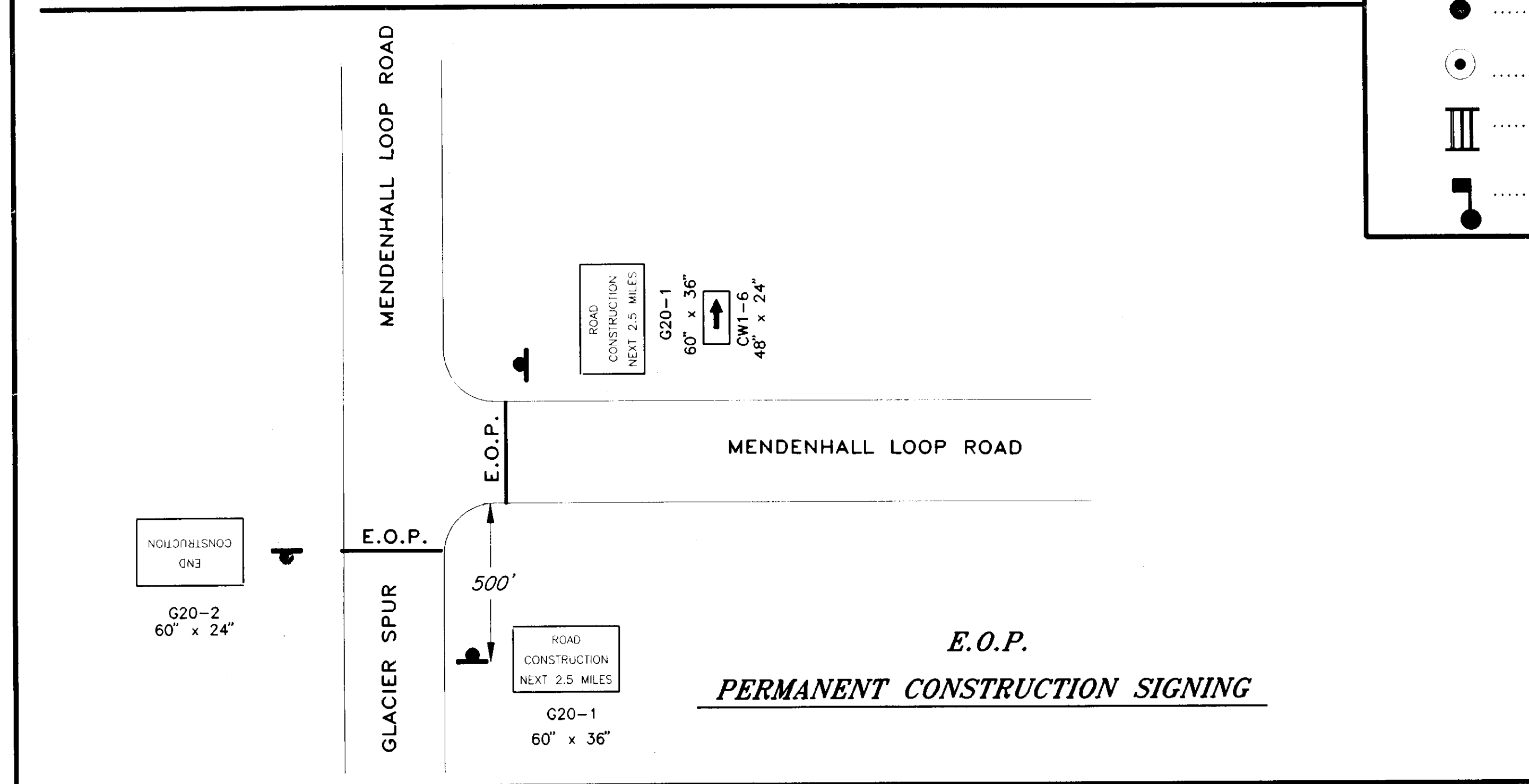




1. There are two traffic control setups shown on this detail: Closure of the southbound right lane, and closure of the Mall Access to outbound traffic (from the mall). These may or may not be required simultaneously.
2. The right lane closure details are applicable throughout the 5 lane section.
3. The Contractor shall maintain at least one lane of traffic into Mendenhall Mall at all times. Traffic from the mall may be detoured onto Riverside Drive.
4. The access lane into Mendenhall Mall may be moved to the other side of island as construction conditions warrant.
5. For additional notes on traffic control during work on the traffic signal see section 643 of the special provisions.

LEGEND

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



1. The Contractor shall open the right turn lane to traffic between the hours of 4:00 PM and 6:00 PM weekdays and shall provide a smooth graded surface.

AS-BUILT
BY: B.A. DATE: 2-96

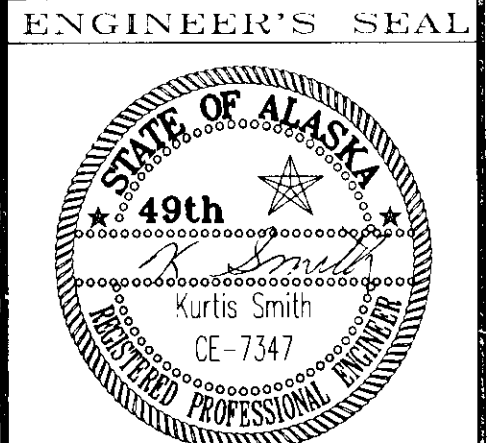
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BY:	DATE:	DESCRIPTION OF CHANGE:

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

JUNEAU
MENDENHALL LOOP ROAD
PAVEMENT REHABILITATION
PROJECT NO. STP-0966(18)/71523
STUD WEAR RUTTING REPAIR
TRAFFIC CONTROL PLAN

ALASKA
DESIGNED BY: K. MATTSON
DRAWN BY: K. MATTSON
CHECKED BY: K. SMITH

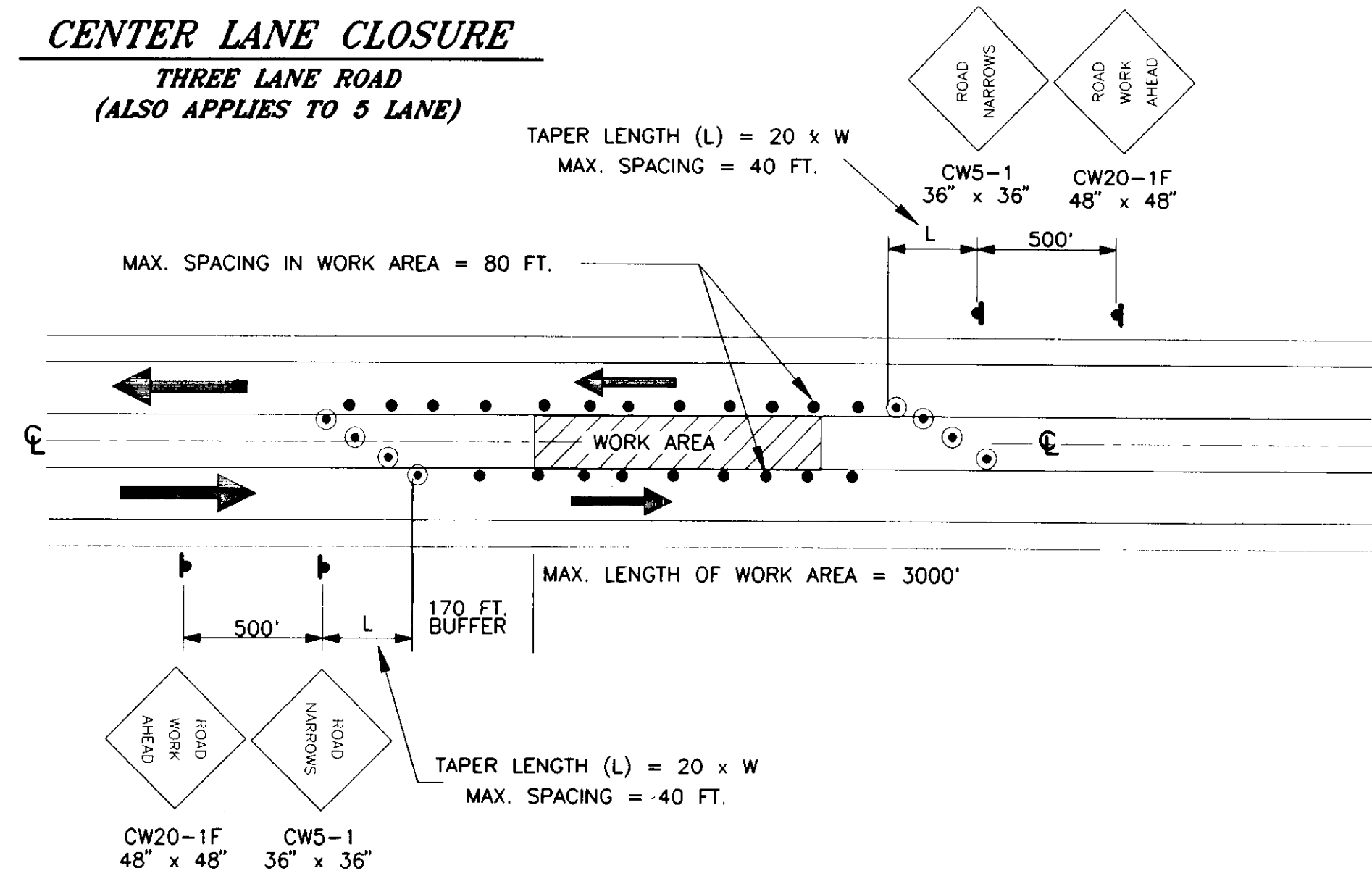
PROJECT NO. 71523
DATE: SEPT. 1994
SHEET 4 OF 20



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

CENTER LANE CLOSURE

THREE LANE ROAD
(ALSO APPLIES TO 5 LANE)



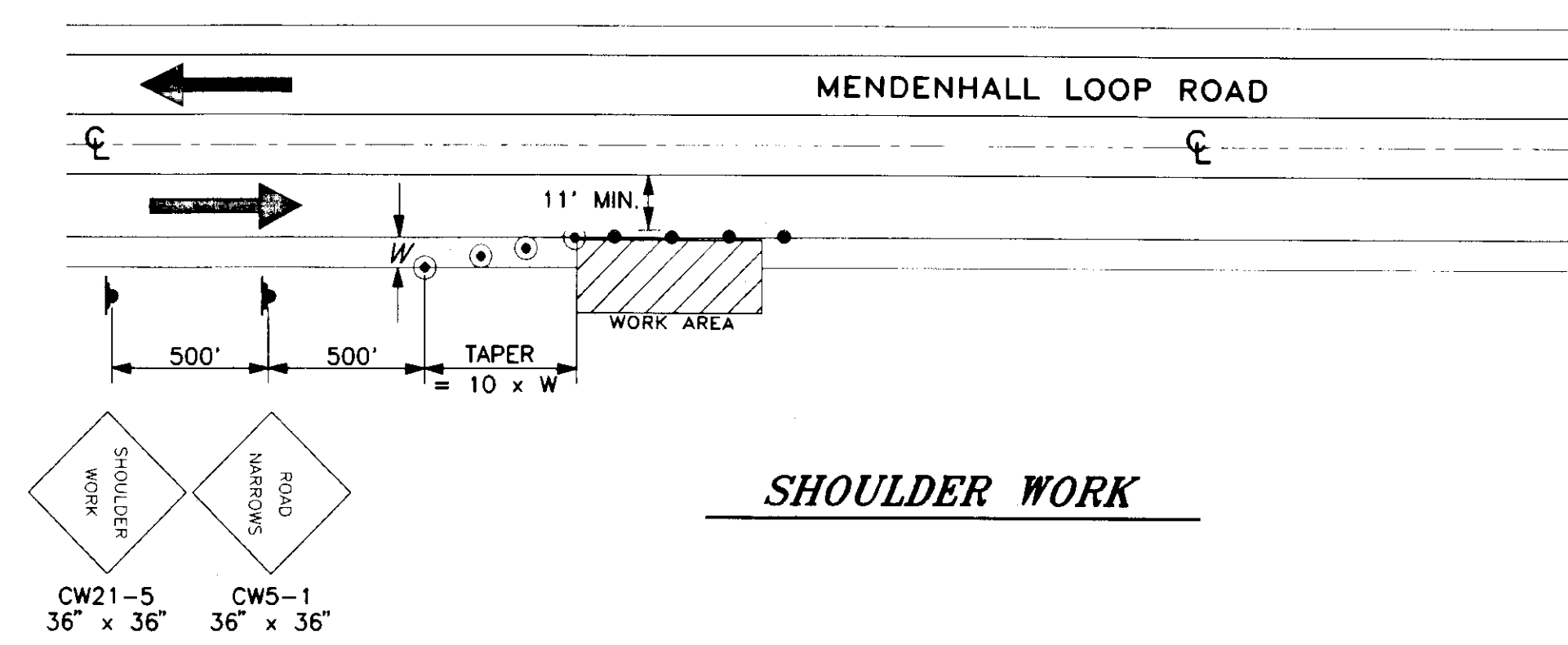
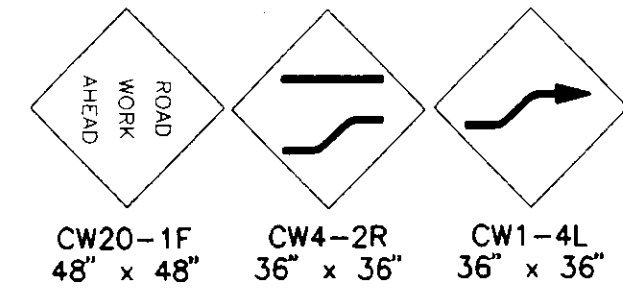
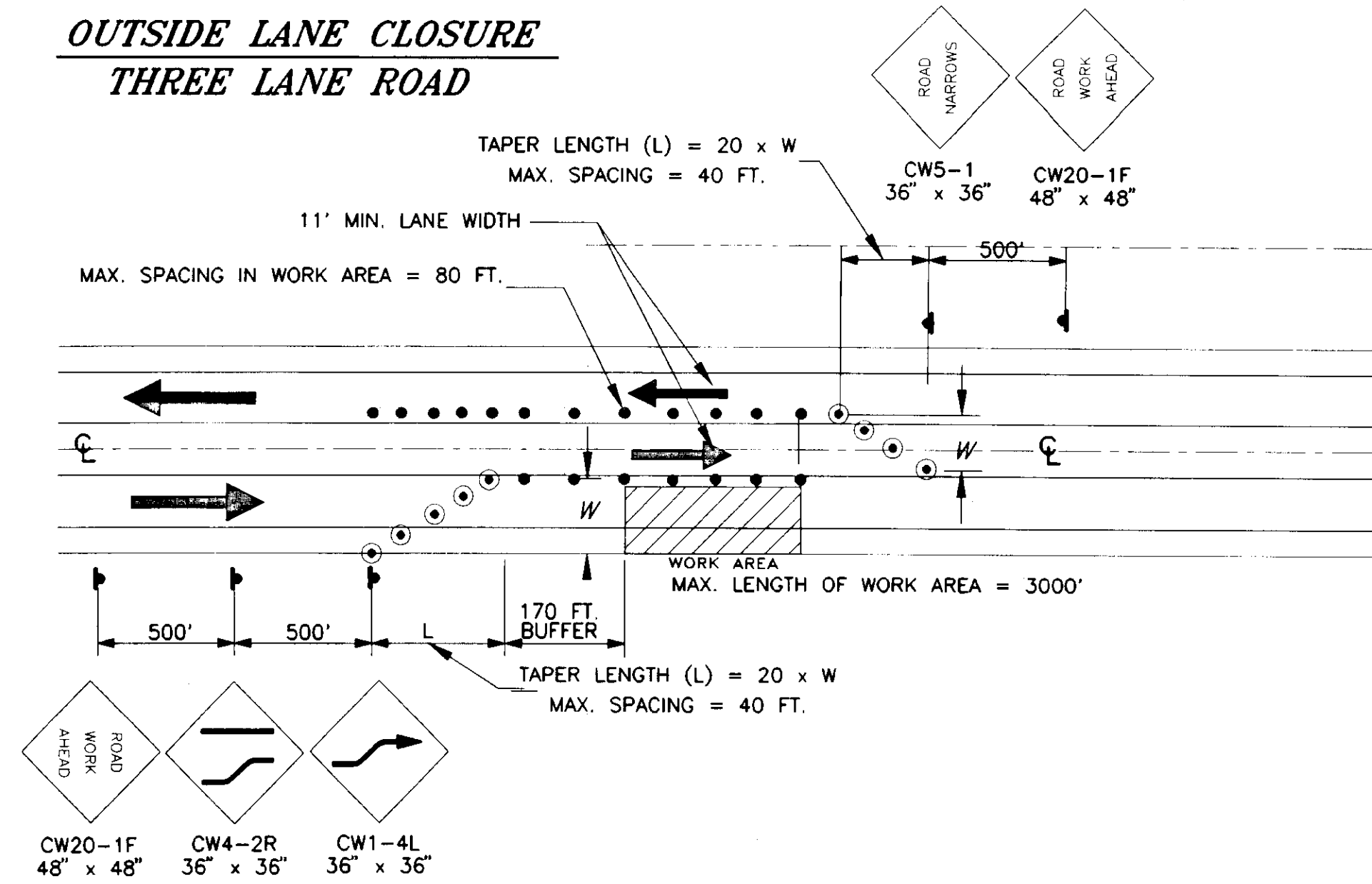
LEGEND

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

TRAFFIC CONTROL NOTES

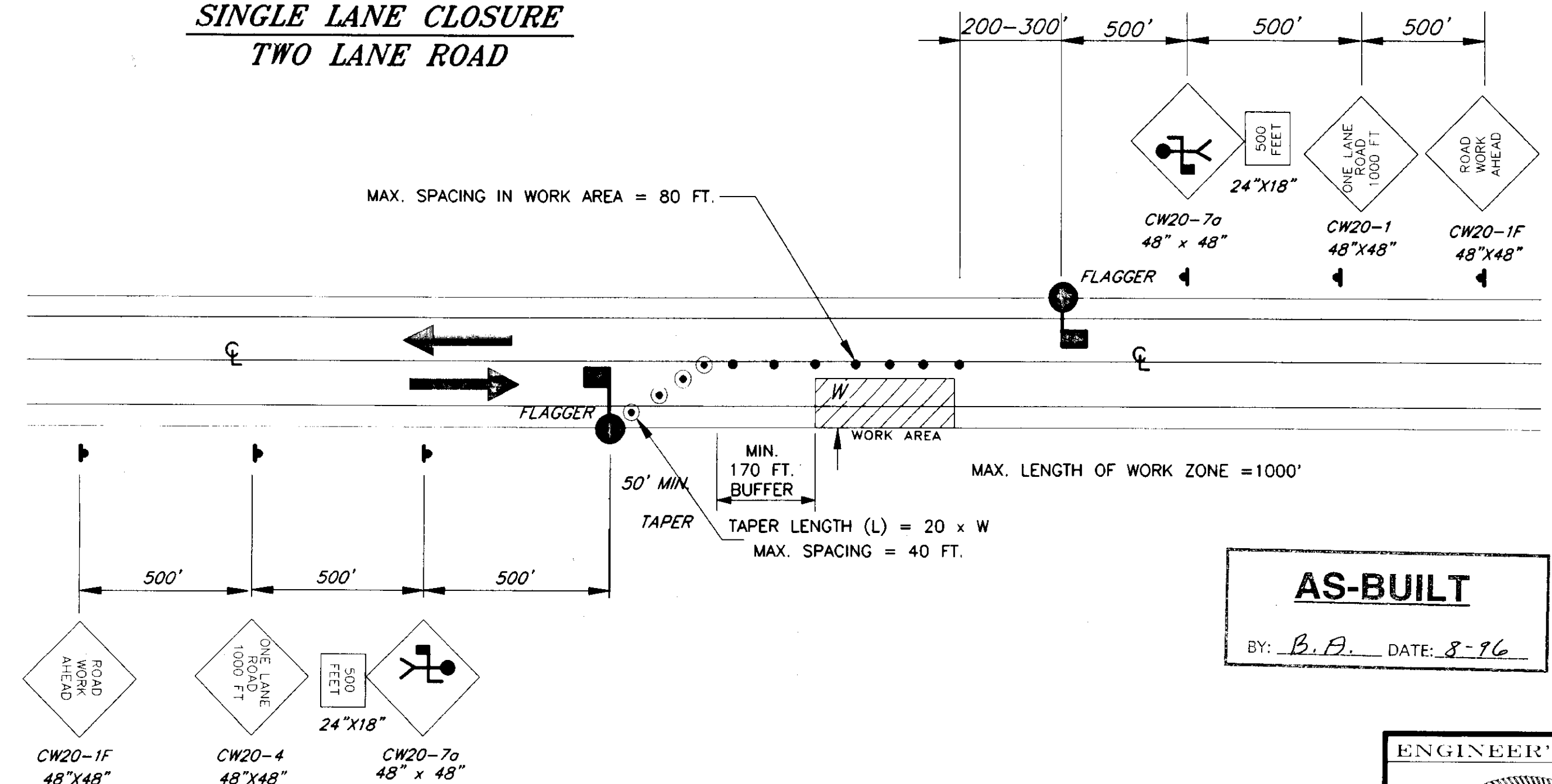
- See Section 643-3.08 of the Special Provisions for restrictions on lane closures.
- Work zone traffic control shall not be set up for a greater distance than the Contractor's operation can cover in four hours. In no case shall it exceed the maximum length shown on each detail.
- It is the intent of this Traffic Control Plan (TCP) to illustrate some, not all, of the traffic control setups which will be required on this project. Plans for configurations not covered by the TCP shall be created by the Contractor and submitted to the Engineer for approval. Where appropriate, they shall incorporate applicable portions of details on these sheets.

OUTSIDE LANE CLOSURE
THREE LANE ROAD



TYPICAL WORK ZONE TRAFFIC CONTROL

SINGLE LANE CLOSURE
TWO LANE ROAD



AS-BUILT
BY: B.A. DATE: 8-96

PATH	P: \JNU\MLNPAVE\DR\TCP2 1-1	
BY:	DATE:	DESCRIPTION OF CHANGE:

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

JUNEAU

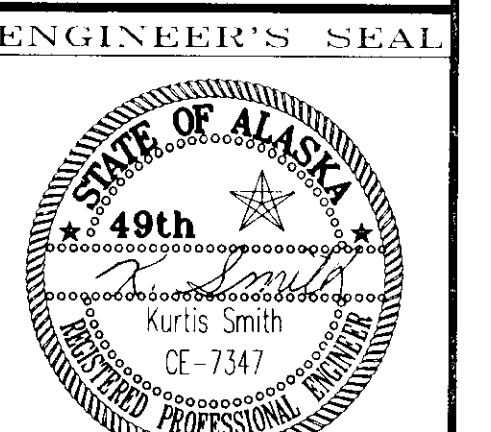
MENDENHALL LOOP ROAD
PAVEMENT REHABILITATION
PROJECT NO. STP-0966(18)/71523
STUD WEAR RUTTING REPAIR
TRAFFIC CONTROL PLAN

ALASKA

DESIGNED BY: K. MATTSON
DRAWN BY: K. MATTSON
CHECKED BY: K. SMITH

PROJECT NO. 71523
DATE: SEPT. 1994

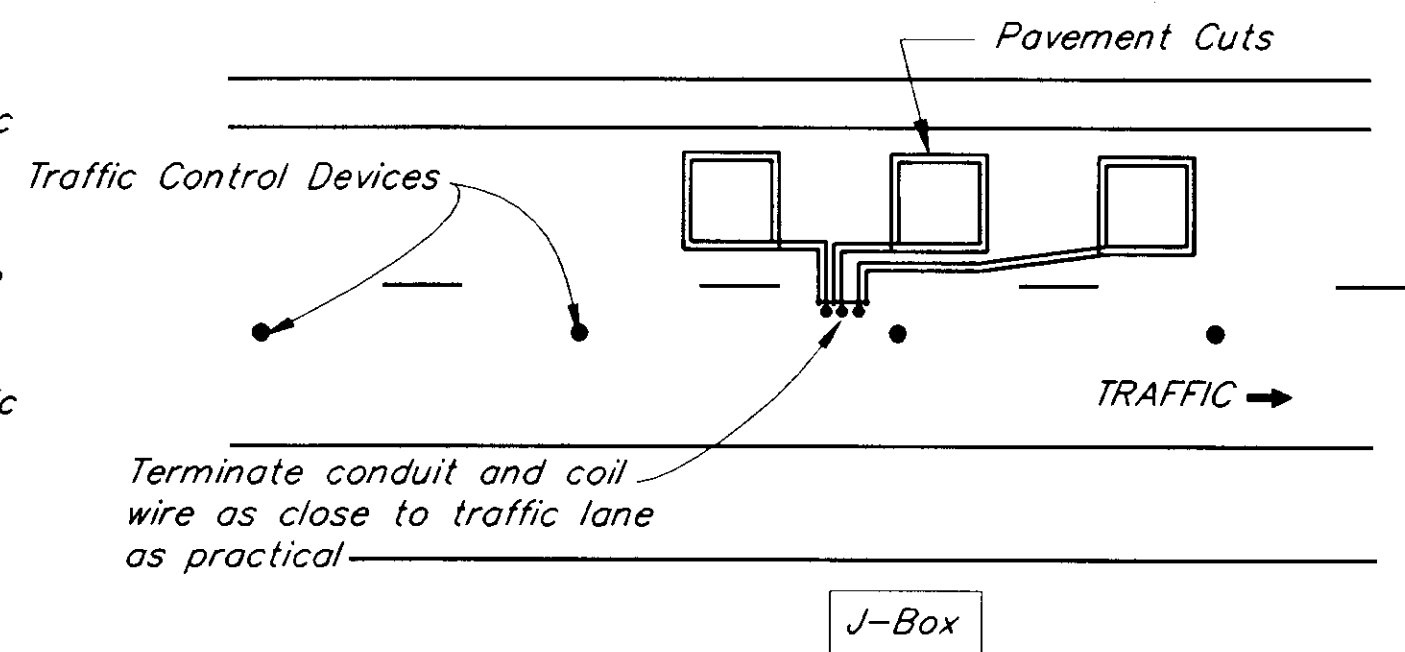
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



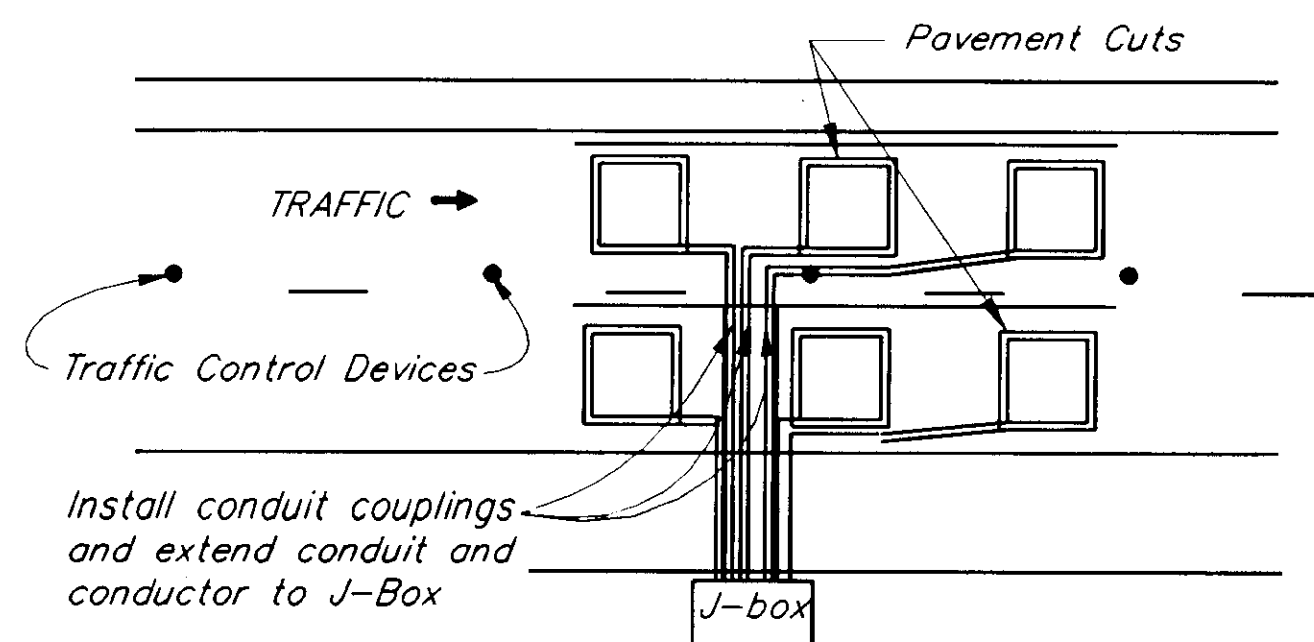
NOTES

1. When loop lead-in conduit extends across other traffic lanes which will be open to traffic while the loops are being installed, the conduit shall be extended as far toward the open lane as possible and extra loop conductor shall be coiled at the edge of the lane, the conduit and conductor shall be extended across the lane to the roadside j-box when the adjacent lane is closed to traffic and its pavement is removed.

2. When loop lead-in conduit extends across other traffic lanes, loop installation shall start with the lane furthest from the j-box the conduit will terminate in.



FAR LANE LOOP INSTALLATION



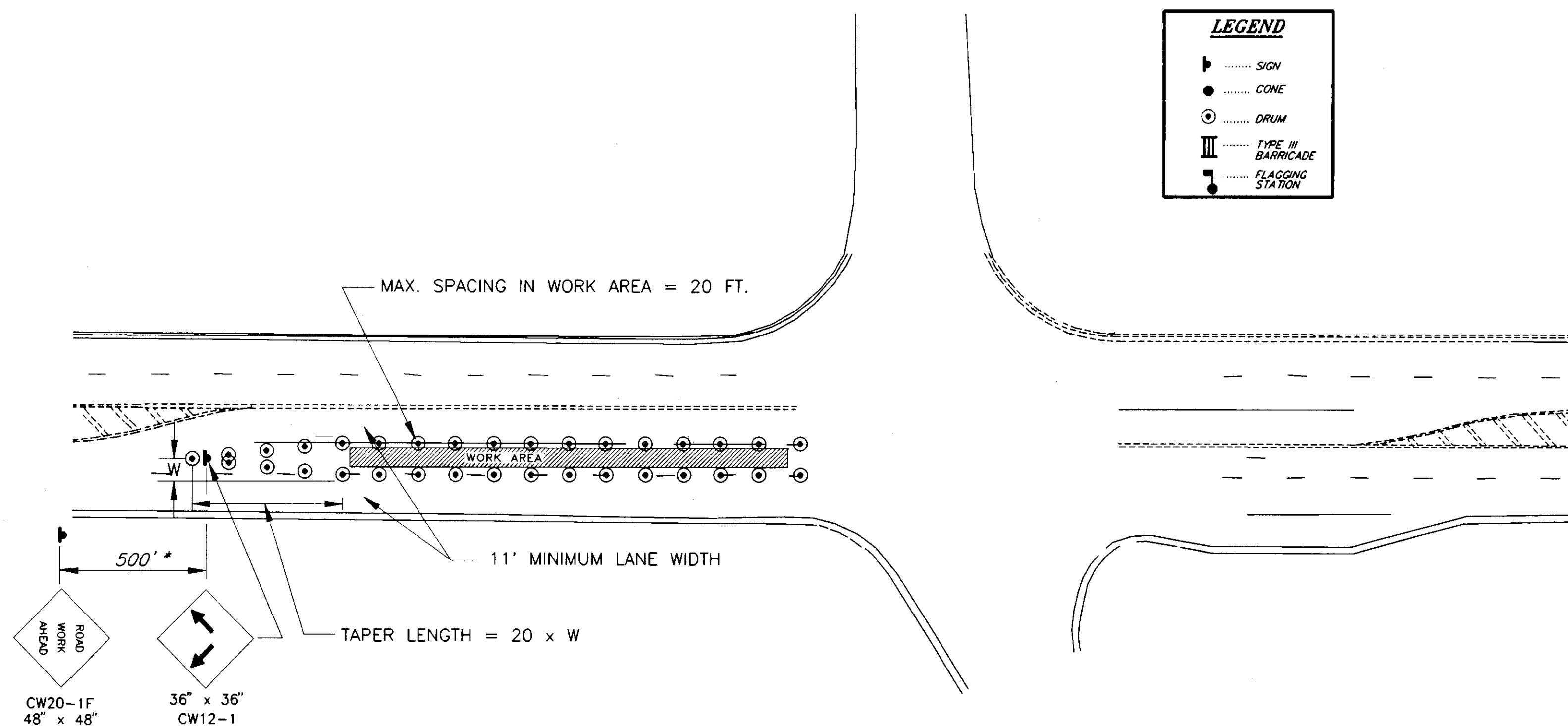
NEAR LANE LOOP INSTALLATION

ADJACENT LANE LOOP INSTALLATION DETAIL

LEFT THROUGH LANE CLOSURE AT INTERSECTIONS

FIVE LANE ROAD

1. This detail applies to both the Egan/Loop and Loop/Atlin intersections.
2. For additional notes on traffic control during work on the traffic signal and J-box relocation see section 64.3 of the special provisions.



LEGEND

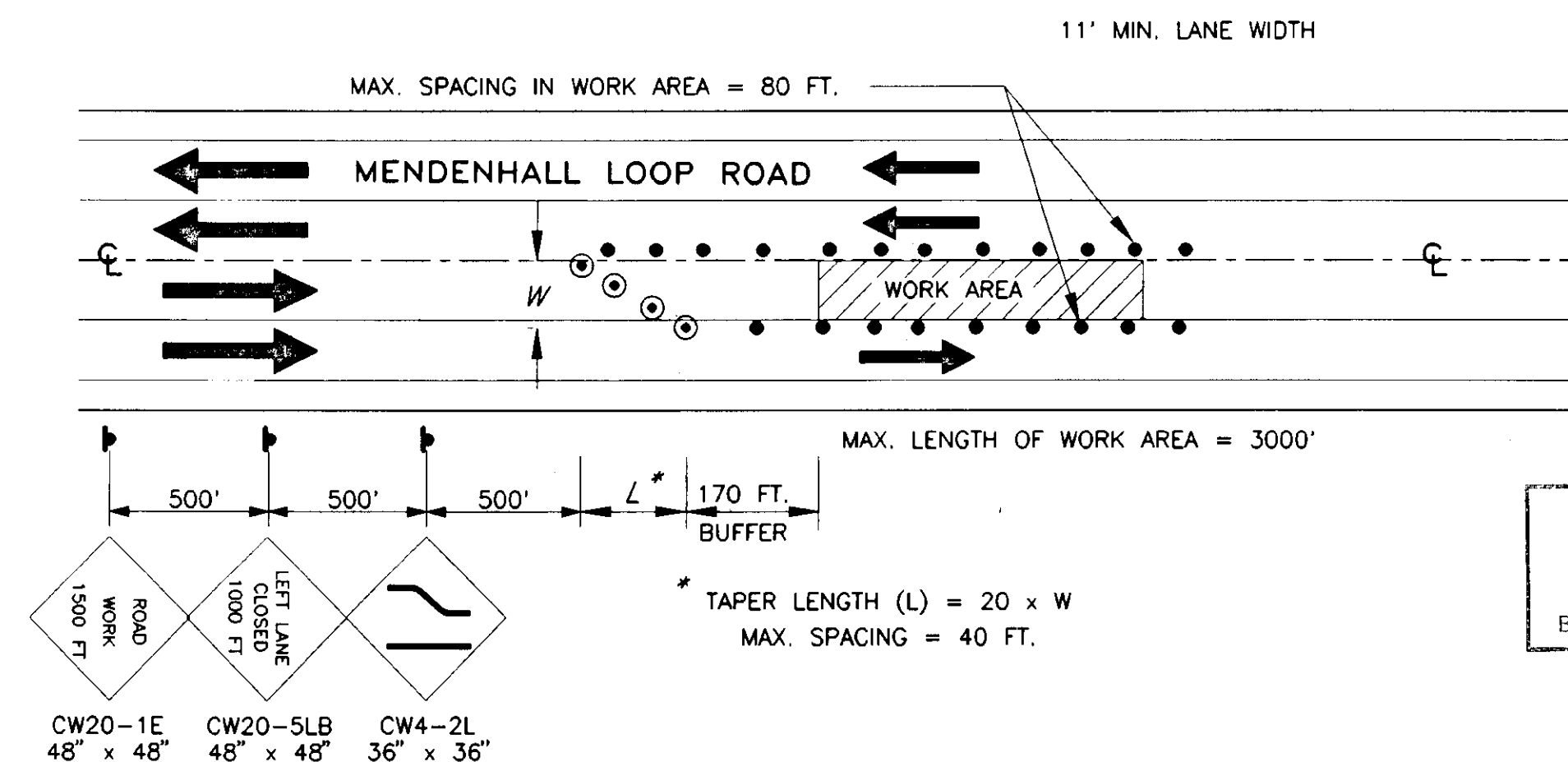
- ▶ SIGN
- CONE
- ⊙ DRUM
- III TYPE III BARRICADE
- ⚡ FLAGGING STATION

* OR AS DIRECTED BY THE ENGINEER

LEFT THROUGH LANE CLOSURE NOT AT INTERSECTION
FOUR LANE ROAD (ALSO APPLIES TO 5 LANE ROAD)

LEGEND

- ▶ SIGN
- CONE
- ⊙ DRUM
- III TYPE III BARRICADE
- ⚡ FLAGGING STATION



* TAPER LENGTH (L) = 20 x W
MAX. SPACING = 40 FT.

AS-BUILT
BY: B.A. DATE: 8-96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH P: \JNU\MENPAVE\DR\TCP3 1=1		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

JUNEAU

MENDENHALL LOOP ROAD
PAVEMENT REHABILITATION
PROJECT NO. STP-0966(18)/71523
STUD WEAR RUTTING REPAIR
TRAFFIC CONTROL PLAN/LOOP INSTALLATION

ALASKA

DESIGNED BY: K. MATTSON
DRAWN BY: K. MATTSON
CHECKED BY: K. SMITH

PROJECT NO. 71523
DATE: SEPT. 1994
SHEET 6 OF 20

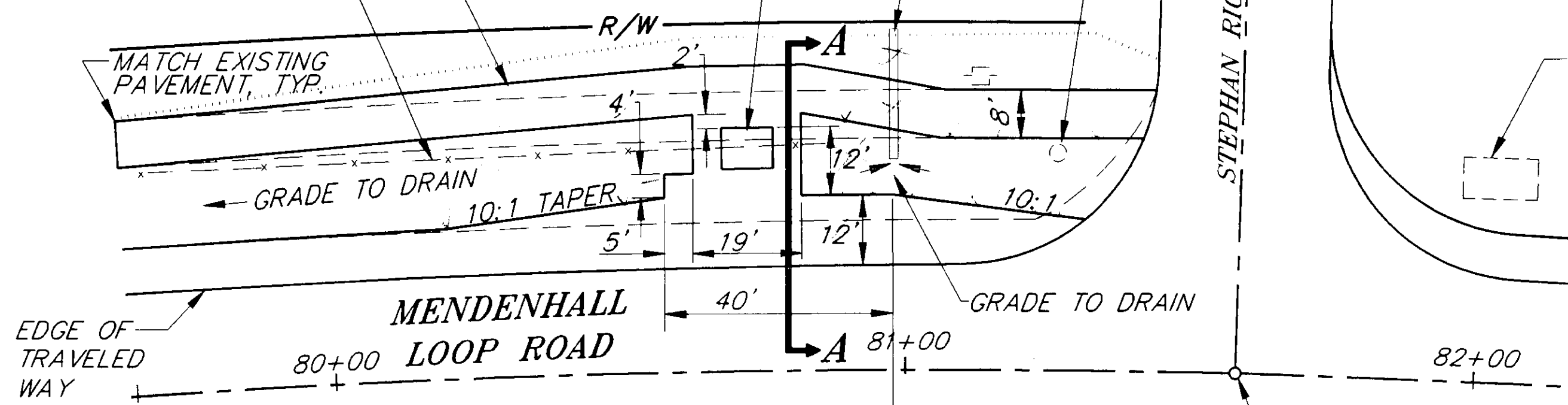
ENGINEER'S SEAL
STATE OF ALASKA
49th
Kurtis Smith
CE-7347
REGISTERED PROFESSIONAL ENGINEER

RELOCATE WALKWAY AS REQUIRED, LINE AND GRADE AS APPROVED

ADJUST 100' FENCE TO GRADE, REMOVE 34'

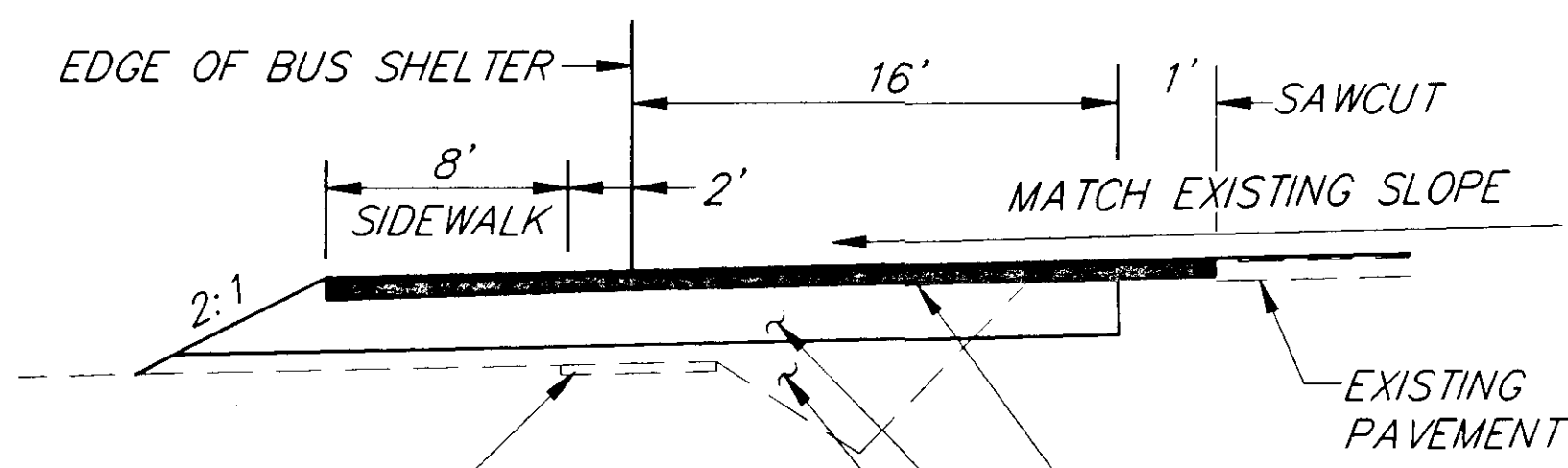
INSTALL 18" x 22' PIPE NEW BUS SHELTER

ADJUST ELECTROLIER FOOTING TO GRADE

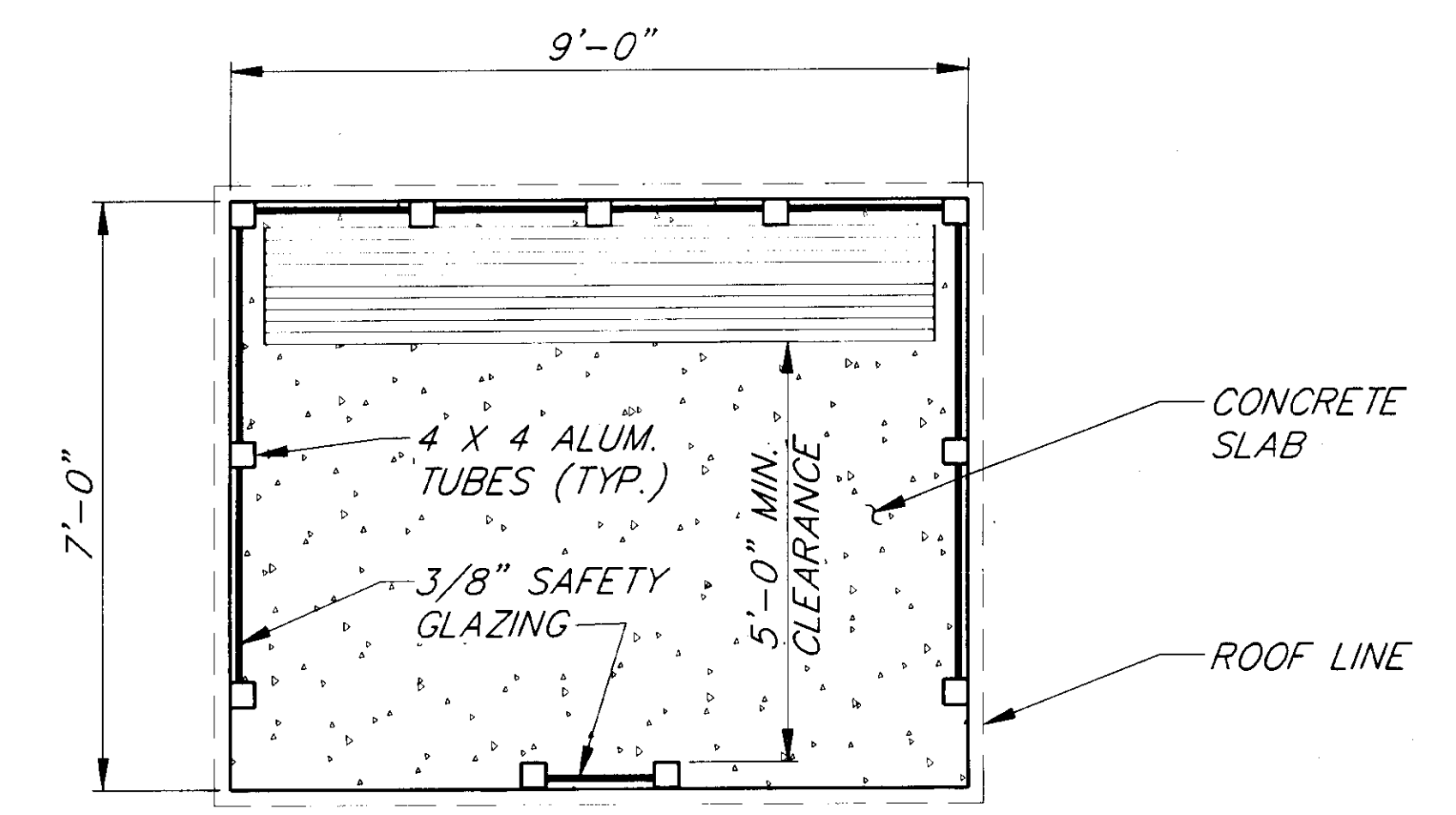


STA. 80+98

STA. 81+57.68



SECTION A-A

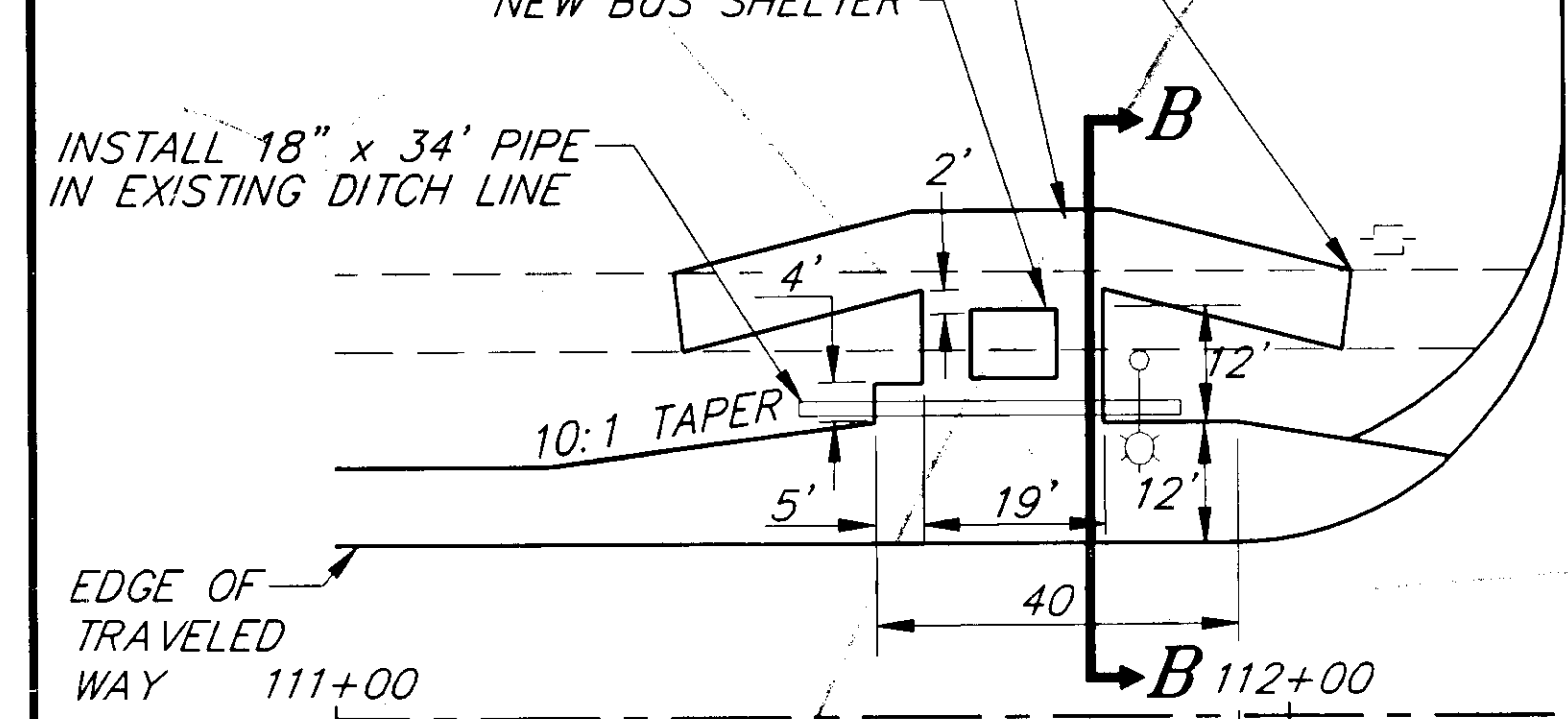


BUS SHELTER PLAN

RELOCATE WALKWAY AS REQUIRED, LINE AND GRADE AS APPROVED

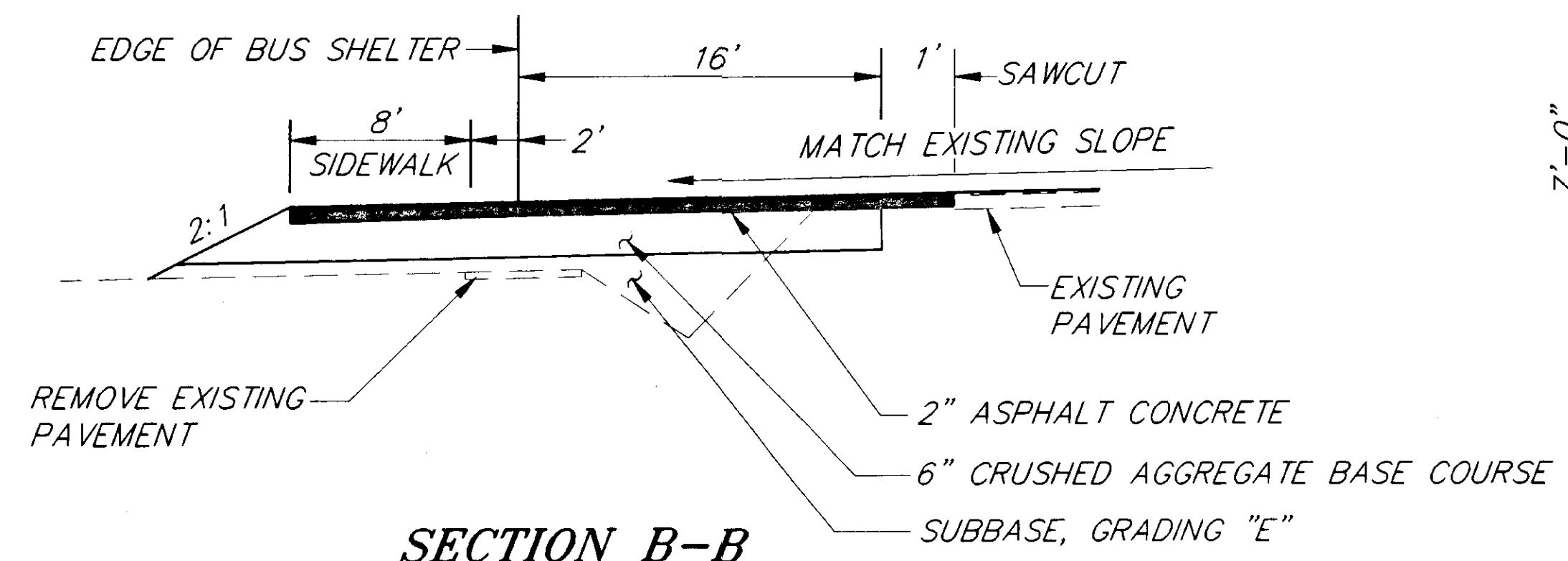
INSTALL 18" x 34' PIPE IN EXISTING DITCH LINE

MATCH EXISTING PAVEMENT, TYP.

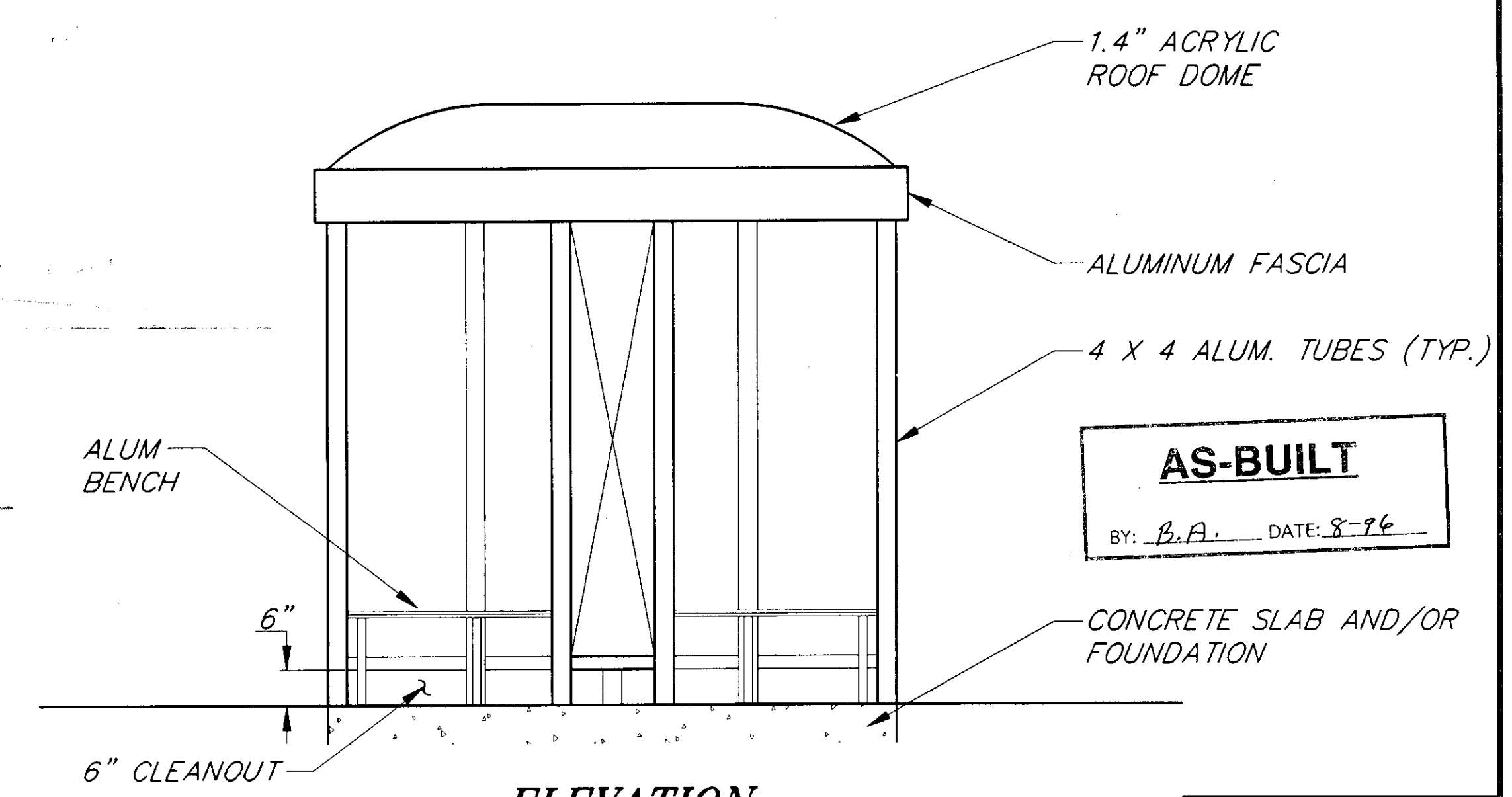


STA. 111+94

STA. 112+43.93



SECTION B-B



ELEVATION

NOTE: SAW CUTS TO BE MADE AFTER CRUSHED AGGREGATE IS BROUGHT TO FINAL GRADE.

AS-BUILT
BY: B.A. DATE: 8-96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGE

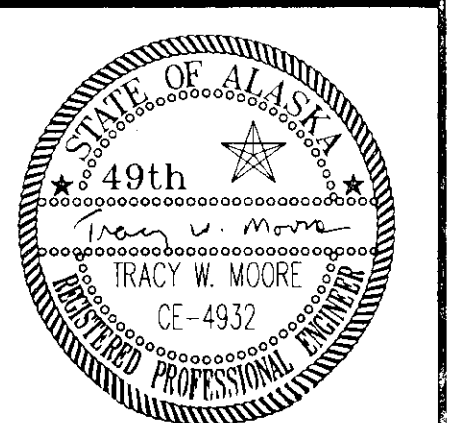
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

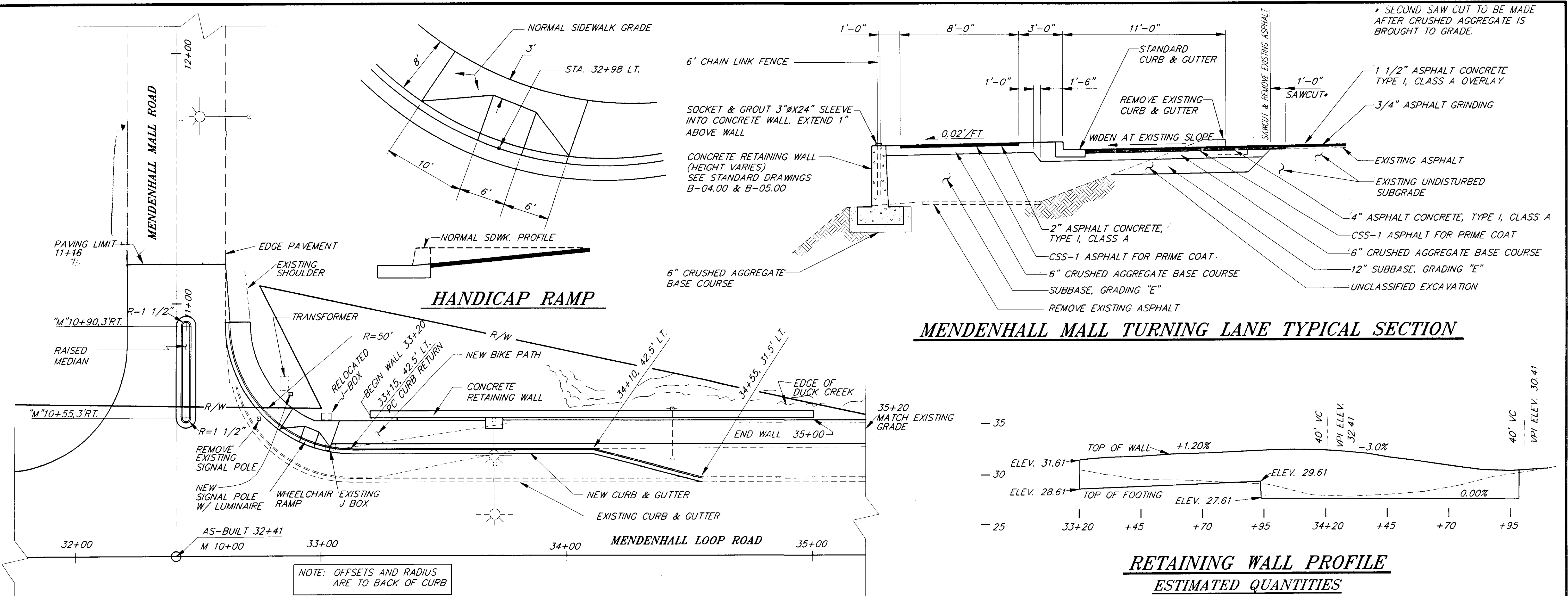
JUNEAU
MENDENHALL LOOP ROAD
PAVEMENT REHABILITATION
PROJECT NO. STP-0966(18)/71523
STUD WEAR RUTTING REPAIR
BUS SHELTER DETAILS

ALASKA

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

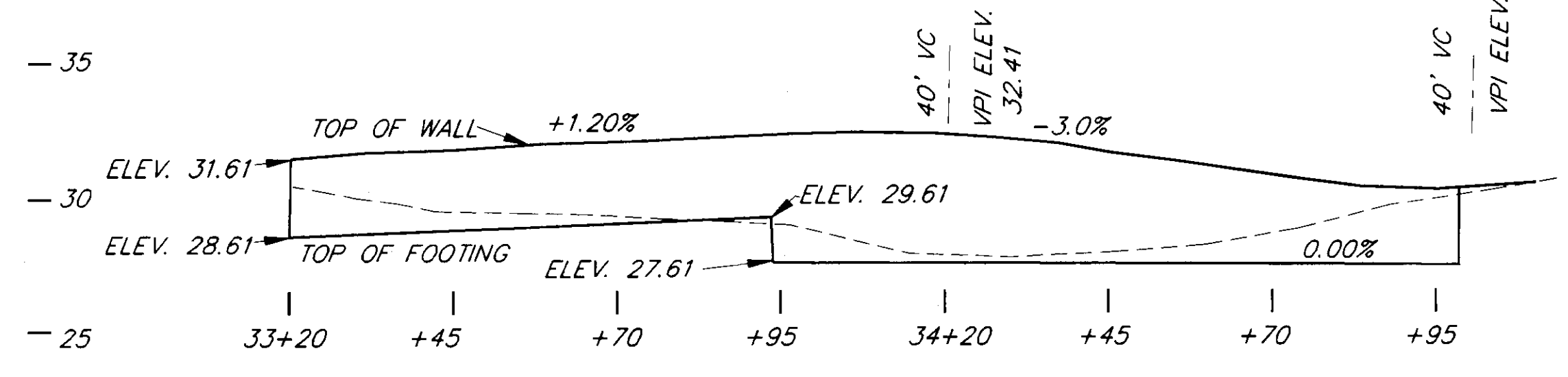
PROJECT NO. 71523
DATE: SEPT., 1994
SHEET 7 OF 20





MENDENHALL MALL TURNING LANE TYPICAL SECTION

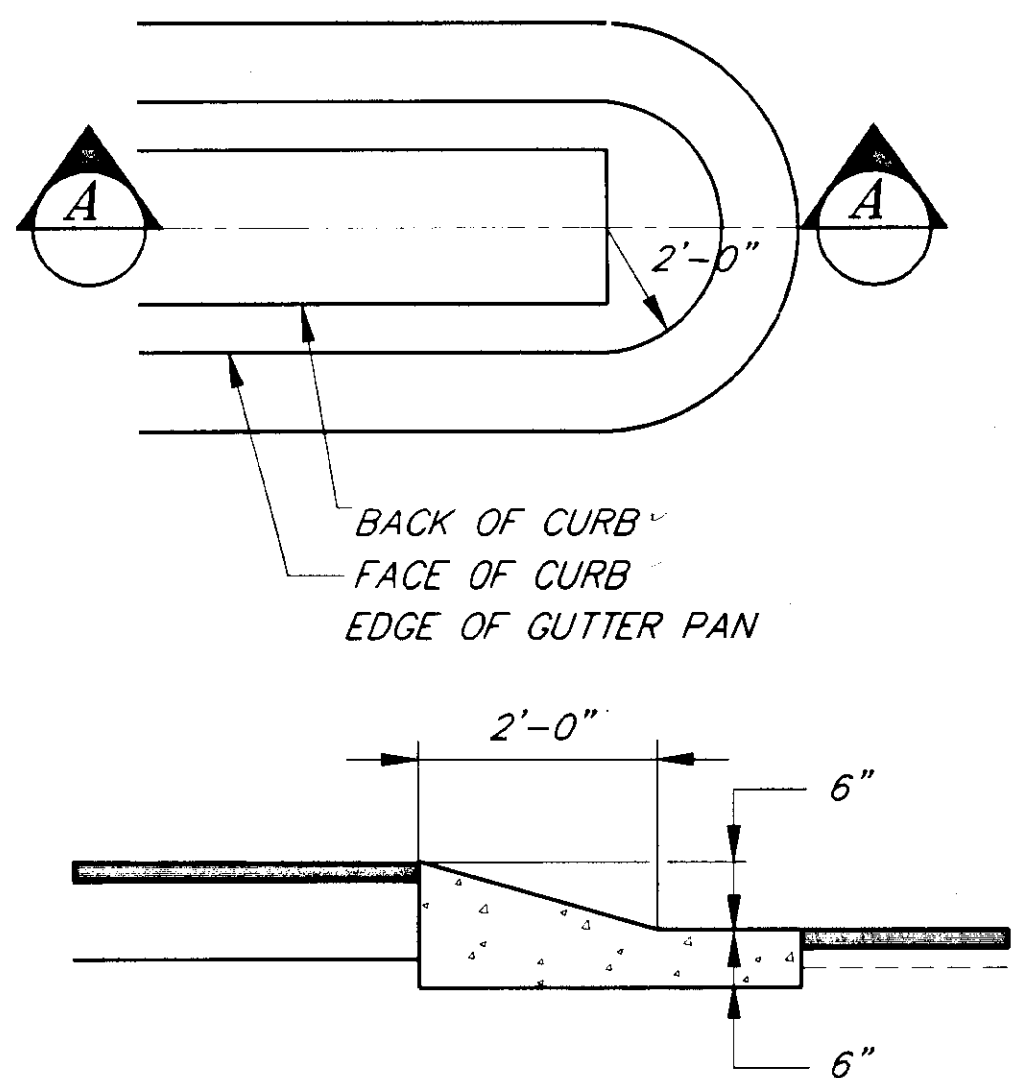
MENDENHALL MALL TURNING LANE PLAN VIEW



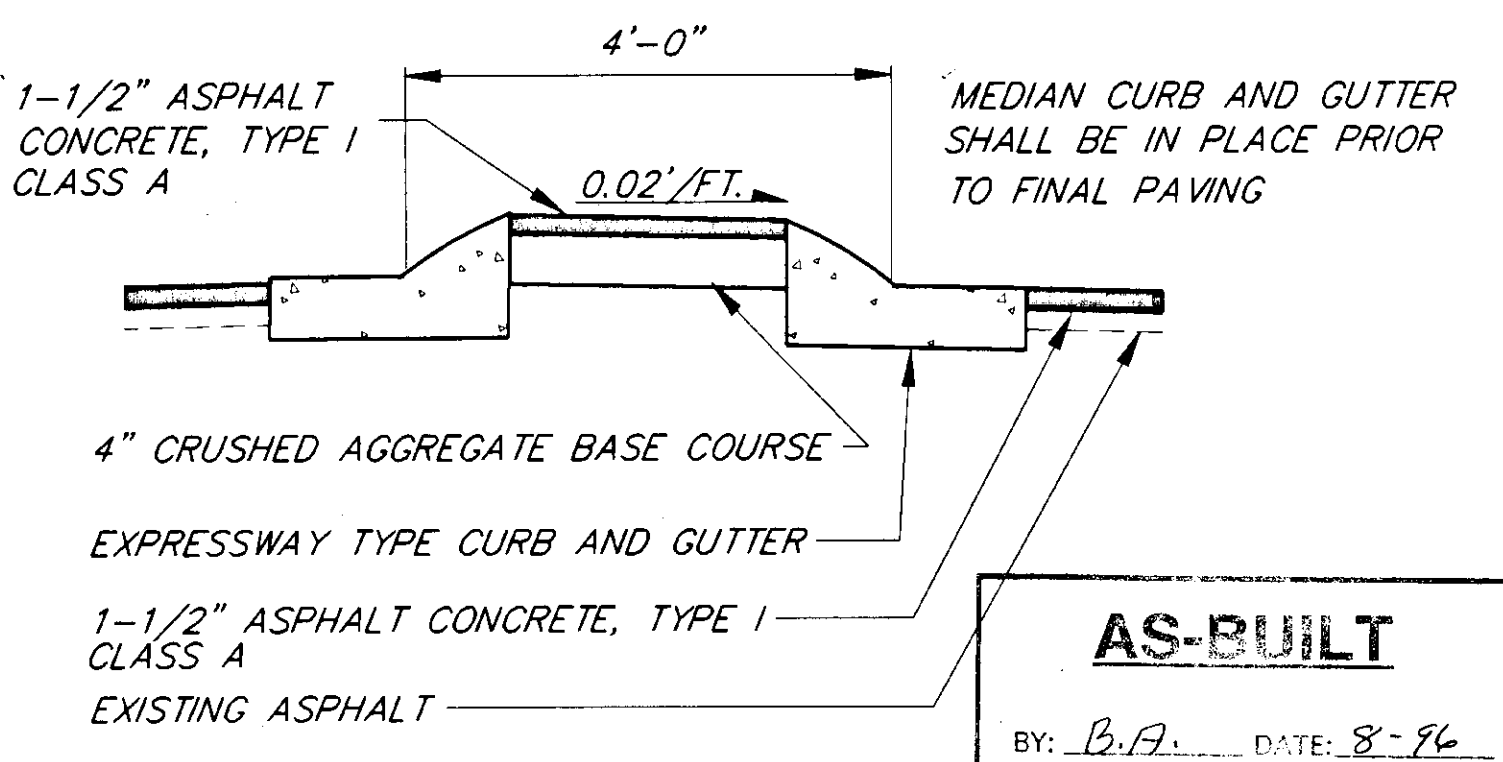
RETAINING WALL PROFILE

ESTIMATED QUANTITIES

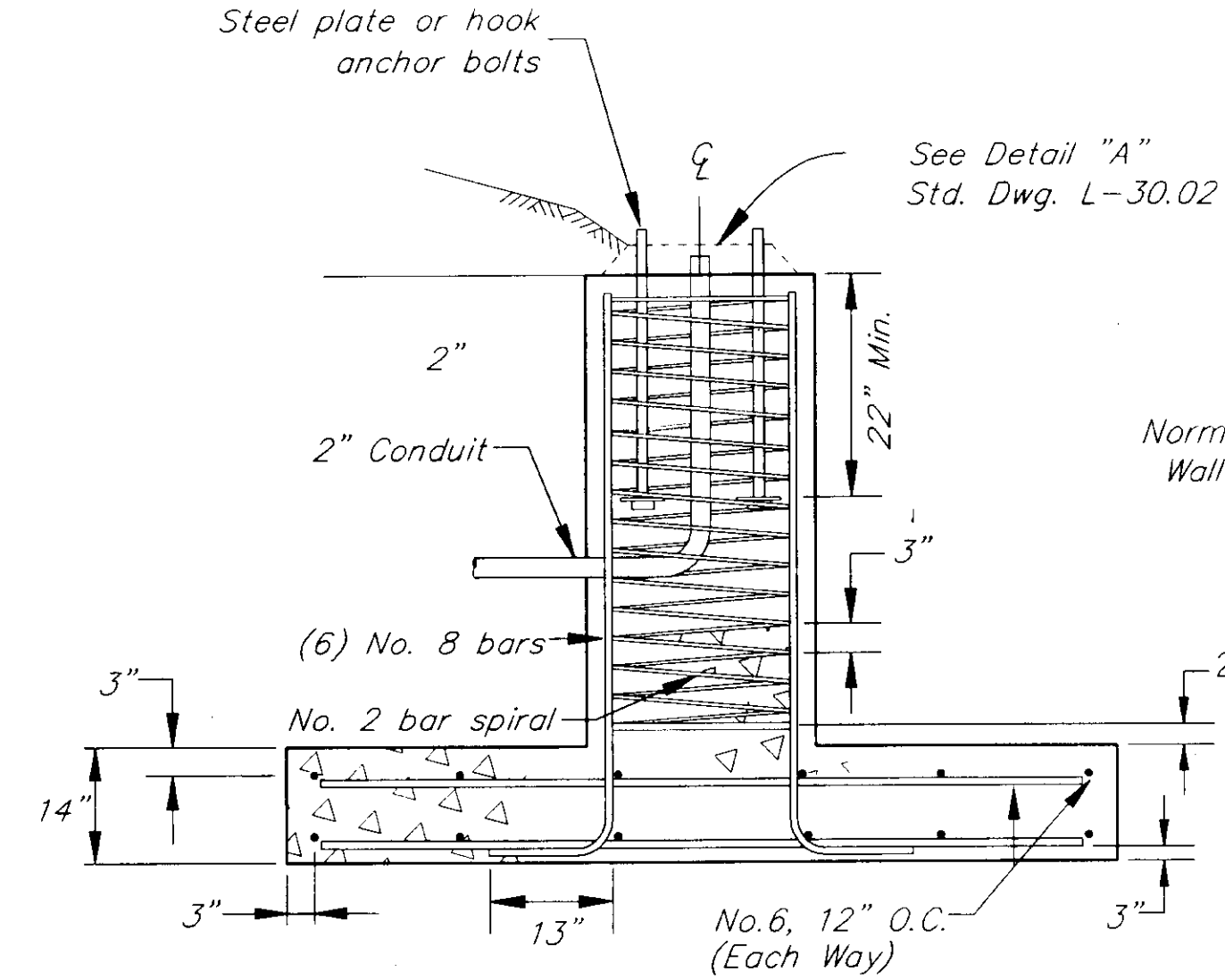
CONCRETE	45 C.Y.
STEEL	1500 LB



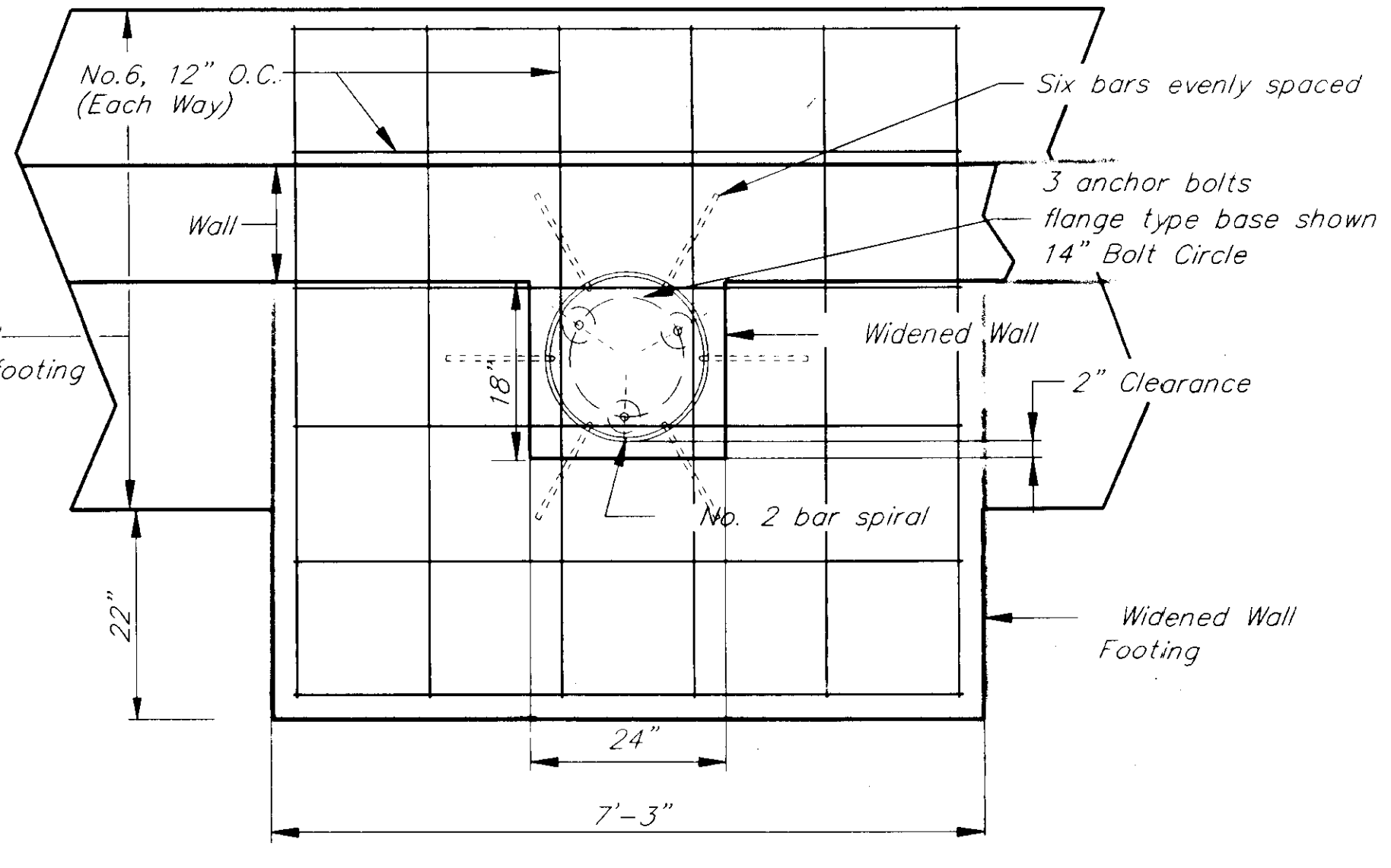
MEDIAN NOSE DETAIL SECTION A-A



RAISED MEDIAN DETAIL



LIGHTING STANDARD FOOTING



TRAFFIC SIDE

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH:	P:\JUN\MLNPAVE\DR\STUDWEAR 1-20
DATE:	
DESCRIPTION OF CHANGE:	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

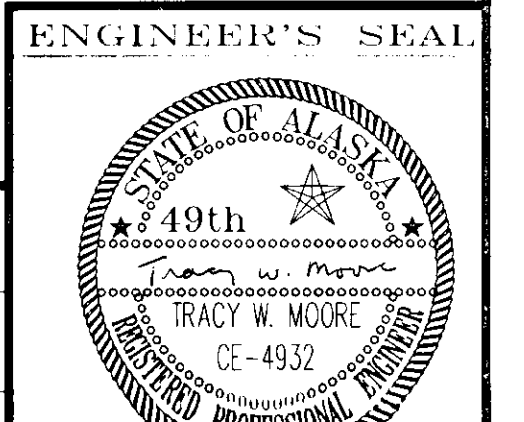
JUNEAU

MENDENHALL LOOP ROAD
PAVEMENT REHABILITATION
PROJECT NO. STP-0966(18)/71523
STUD WEAR RUTTING REPAIR
TURNING LANE DETAILS

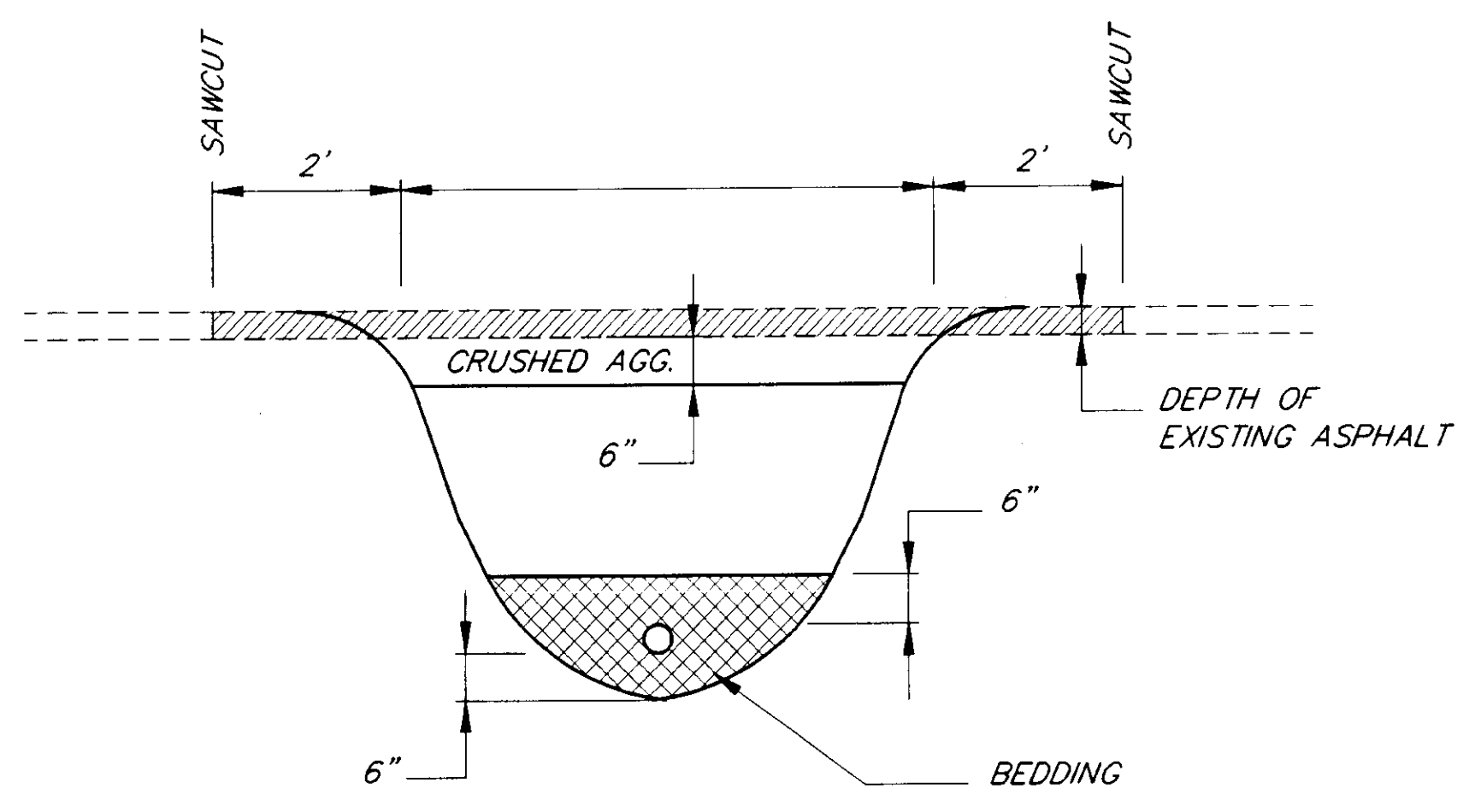
ALASKA

DESIGNED BY:	F. MURPHY
DRAWN BY:	R. SNYDER
CHECKED BY:	

PROJECT NO.	71523
DATE:	SEPT. 1994



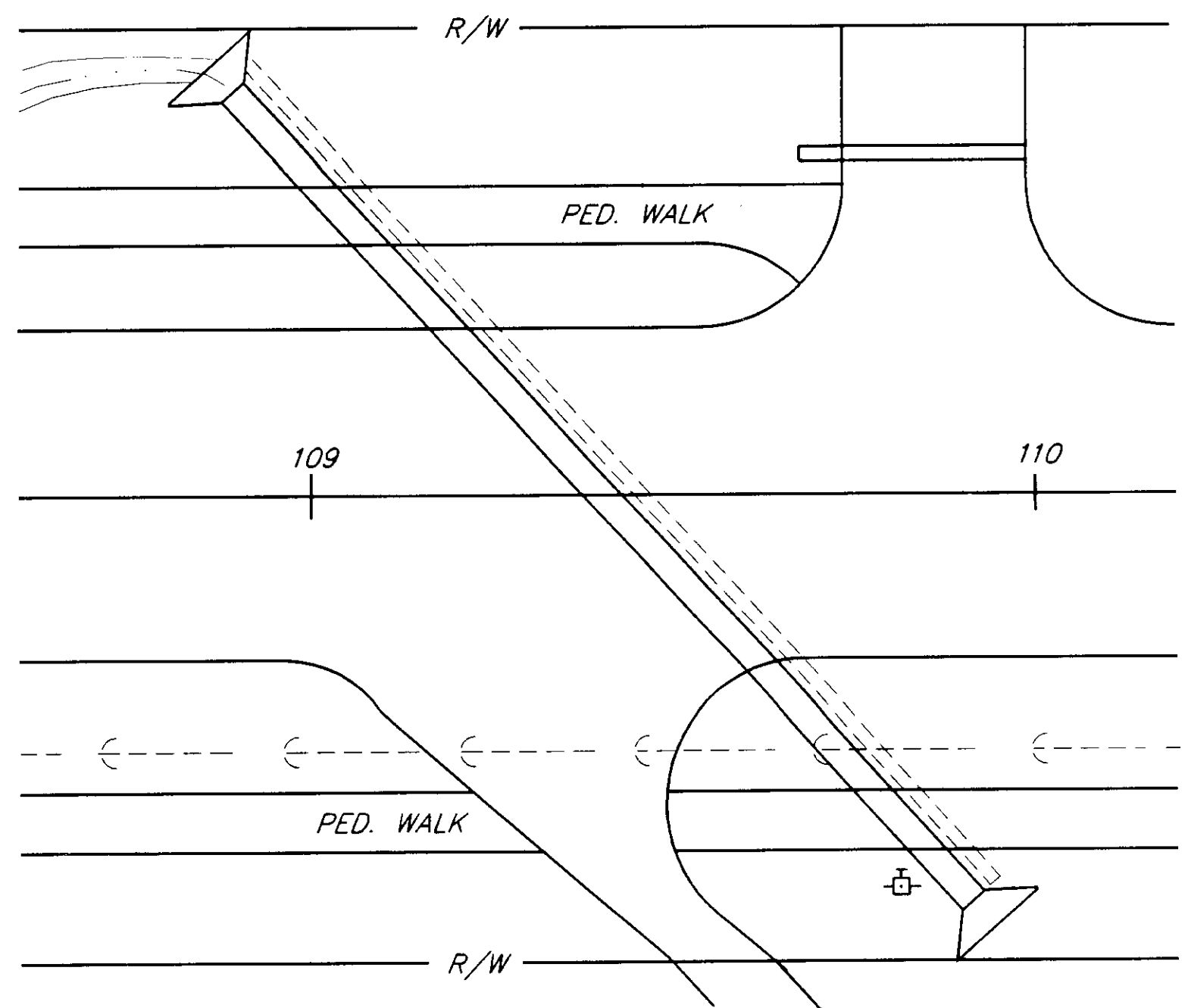
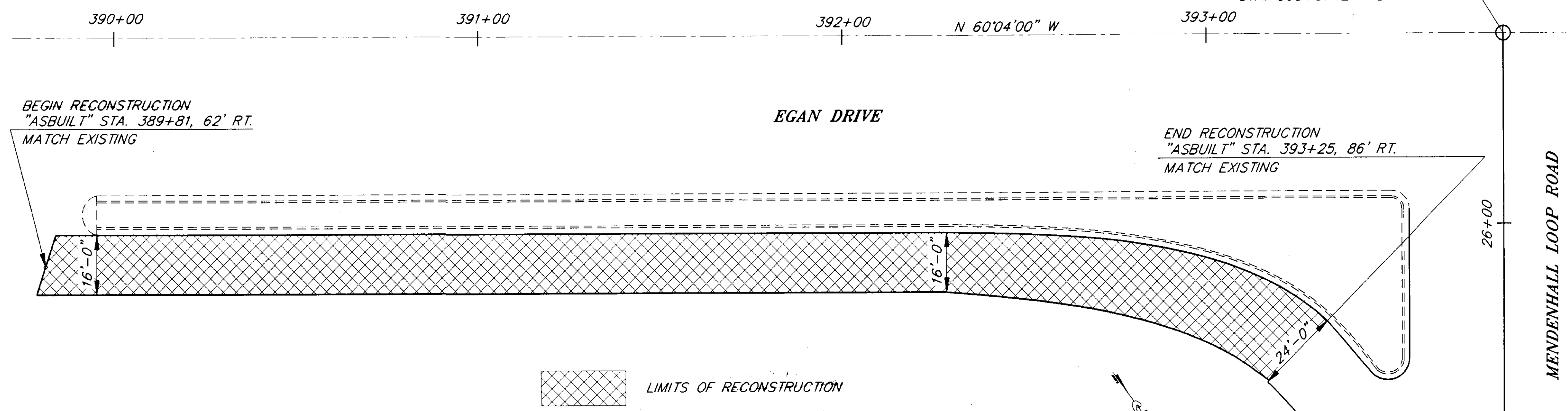
STA. "O" 25+48.11=
 STA. "ASBUILT" 393+81.54 BK
 STA. 393+81.12 AHD



TRENCH DETAIL

CULVERTS AND/OR UTILITY CROSSING

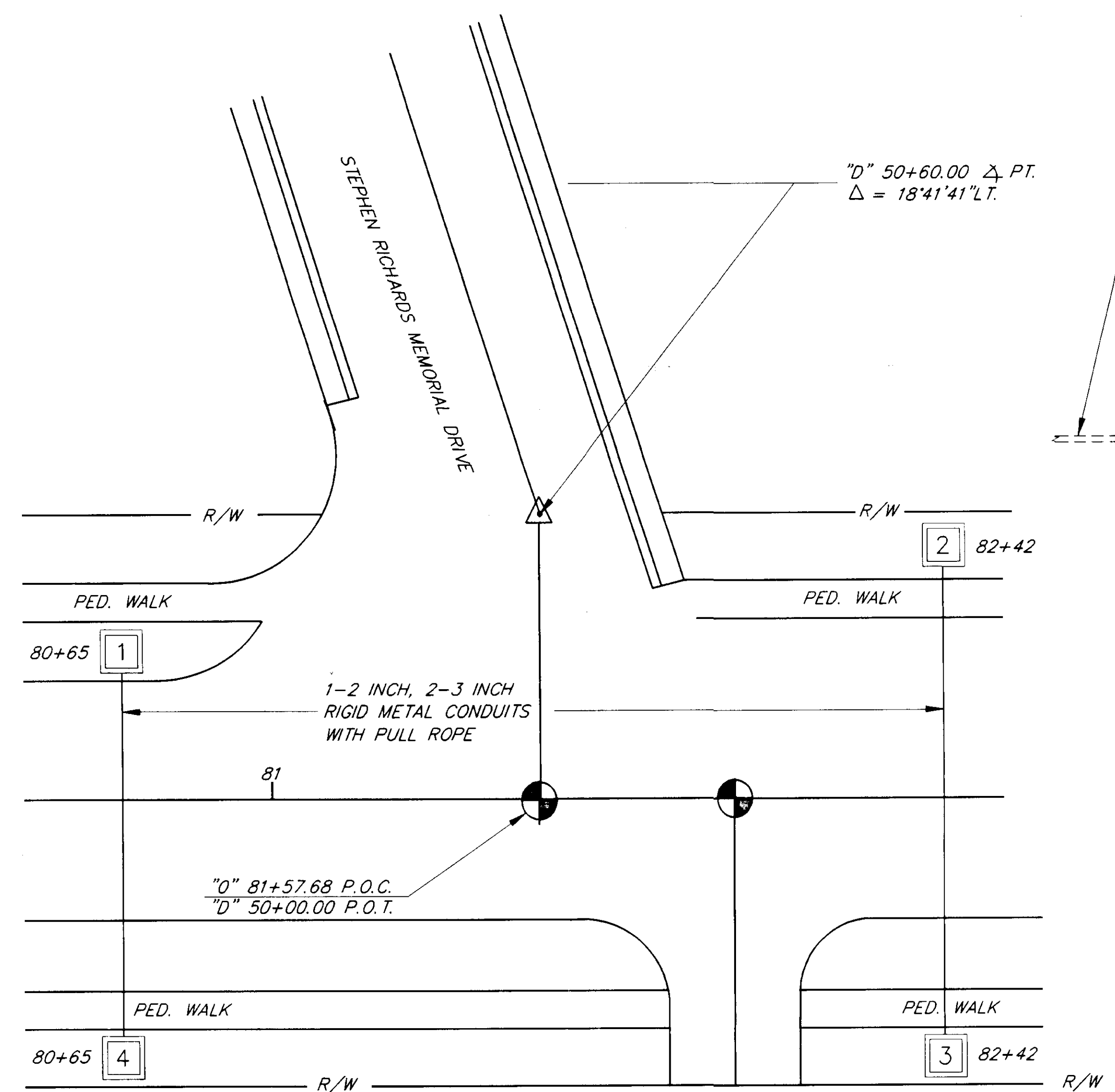
NOTE: SAW CUT TO BE MADE PRIOR TO COMPACTION OF CRUSHED AGGREGATE.



CULVERT CROSSING DETAIL

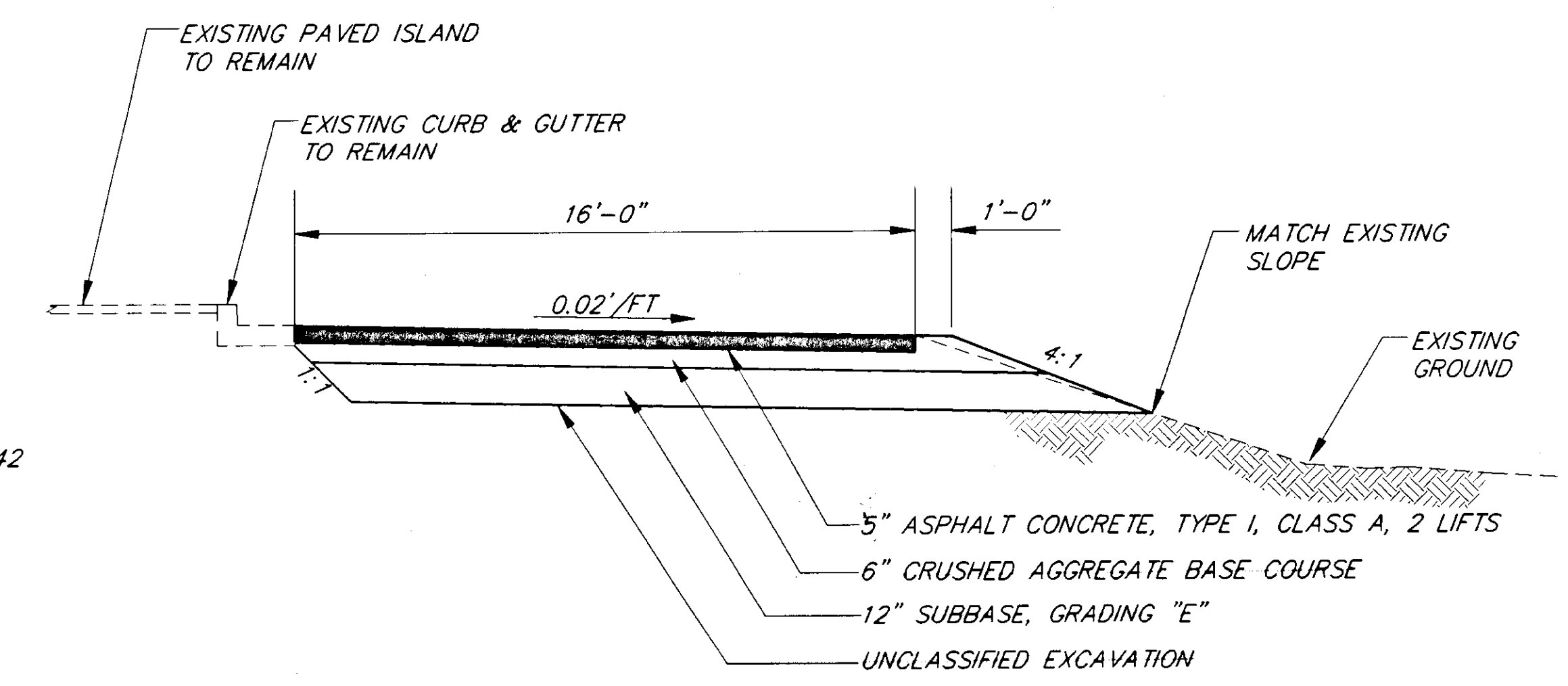
STATION 109+40

NOTE: 48" CMP SHALL BE INSTALLED WITH TOP OF INLET END PLACED 0.3' BELOW TOP OF EXISTING CMP. SLOPE OF PIPE SHALL BE 0.4%



RICHARDS DRIVE & HALOFF WAY ESTIMATED CONDUIT:
 CONDUIT FOR FUTURE SIGNAL

2" - 190', 3" - 380'



EGAN DRIVE TURNING LANE TYPICAL SECTION

GENERAL NOTES:

- J-BOXES 1-4 SHALL BE TYPE 2.
- J-BOXES SHALL BE LOCATED WITH THEIR EDGE ONE FOOT FROM THE PEDESTRIAN WALKWAY.

AS-BUILT
 BY: B.D. DATE: 8-96

ENGINEER'S SEAL



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DATE	DESCRIPTION OF CHANGE

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

JUNEAU ALASKA
 MENDENHALL LOOP ROAD
 PAVEMENT REHABILITATION
 PROJECT NO. STP-0966(18)/71523
 STUD WEAR RUTTING REPAIR
EGAN DRIVE TURN LANE DETAILS

DESIGNED BY: F. MURPHY
 DRAWN BY: K. KLEMMETSON
 CHECKED BY: T.W. MOORE
 PROJECT NO. 71523
 DATE: SEPT., 1994
 SHEET 9 OF 20

SIGN SUMMARY

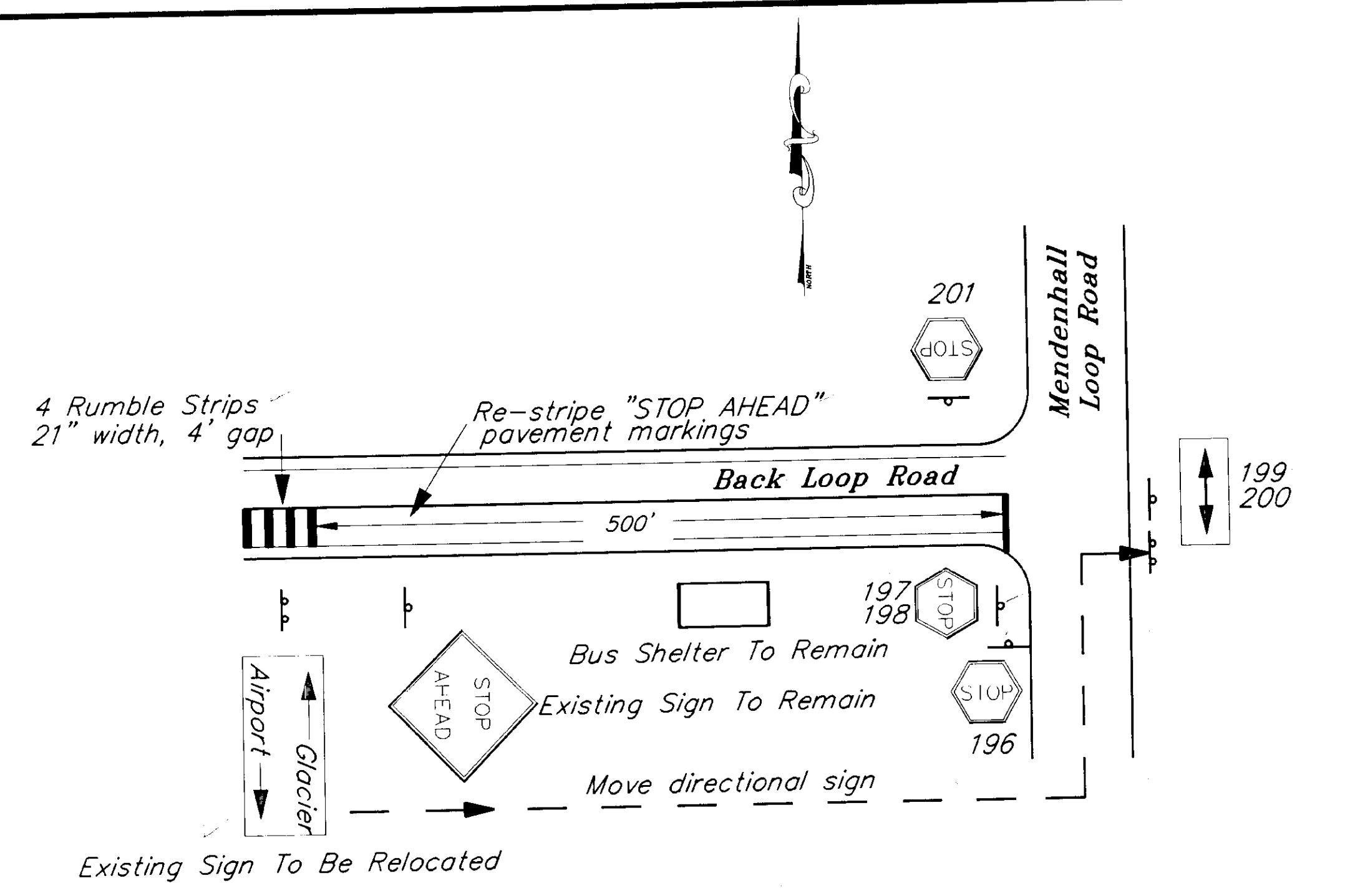
SIGN NO.	STATION	REF	FACING	TYPE	LEGEND	SIGN SIZE	AREA SQ. FT.	REMARKS
1	26+02	OVERHEAD	W.B.	D3-1B	LOOP ROAD	60x18	7.5	①
2	26+07	OVERHEAD	N.B.	R3-5L	ONLY	30x36	7.5	①
3	26+07	OVERHEAD	N.B.	R3-5S	ONLY	30x36	7.5	①
4	26+07	OVERHEAD	N.B.	R3-5R	ONLY	30x36	7.5	①
5	26+07	OVERHEAD	S.B.	R3-5L	ONLY	30x36	7.5	①
6	26+07	OVERHEAD	S.B.	R3-6SL	ONLY	30x36	7.5	①
7	26+07	OVERHEAD	S.B.	R3-5R	ONLY	30x36	7.5	①
8	26+07	OVERHEAD	N.B.	D3-1B	EGAN DRIVE	78x18	9.75	①
9	26+38	RT	E.B.	R5-1	DO NOT ENTER	48x48	16.0	②
10	26+38	RT	E.B.	R5-10B	PEDESTRIANS AND BICYCLES PROHIBITED	18x30	3.75	② MOUNT BELOW SIGN 9
11	27+63	RT	N.B.		ADOPT A HIGHWAY LITTER CONTROL NEXT MILE	36x18	4.5	②
12	27+63	RT	N.B.		CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS	36x12	3.0	② MOUNT BELOW SIGN 11
13	27+73	LT	S.B.	M1-6	ALASKA	24x24	4.0	②
14	27+73	LT	S.B.	M6-4	SYMBOL	21x15	2.19	② MOUNT BELOW SIGN 13
15	28+68	RT	N.B.	D9-12	DUMP STATION	24x6	1.0	③
16	30+00	LT	S.B.	D1-3	AIRPORT JUNEAU AUKU BAY	82x42	23.9	②
17	30+95	RT	N.B.	R2-1	SPEED LIMIT 40	30x36	7.5	③
18	31+00	LT	S.B.	R3-7	LEFT LANE MUST TURN LEFT	30x30	6.25	②
19	31+00	LT	S.B.	R3-8L/5L	ONLY	30x30	6.25	② MOUNT BELOW SIGN 18
20	31+98	LT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
21	32+24	RT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
22	32+35	RT OVHD.	E.B.	R3-5L	ONLY	30x36	7.5	①
23	32+47	RT OVHD.	E.B.	R3-6SL	ONLY	30x36	7.5	①
24	32+52	RT OVHD.	E.B.	R10-12	LEFT TURN MUST YIELD ON GREEN	30x36	7.5	①
26	32+52	LT OVHD.	W.B.	R3-6SSL	LEFT TURN MUST YIELD ON GREEN	30x36	7.5	①
27	32+57	LT OVHD.	W.B.	R10-12	LEFT TURN MUST YIELD ON GREEN	30x36	7.5	①
29	32+64	LT OVHD.	W.B.	R3-5R	ONLY	30x36	7.5	①
30	32+95	48' LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
31	32+99	RT	N.B./S.B.	E3-1	ATLIN DR.	34x8	1.9	②
32	33+01	RT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
33	33+12	RT	S.B.		CBJ BURN BAN SIGN			EXISTING SIGN TO REMAIN
34	33+81	RT	E.B.	R7-107	NO PARKING BUS STOP	12x18	1.5	②
35	35+05	LT	S.B.	D9-12	SYMBOL DUMP STATION	24x6	1.0	③
36	37+21	LT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
37	37+31	LT	N.B./S.B.	E3-1	JAMES BLVD.	40x8	2.2	②
38	37+31	LT	E.B.	R1-2	STOP	30x30	6.25	MOUNT BELOW SIGN 37
39	37+75	LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
40	38+41	LT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
41	38+49	LT	N.B./S.B.	E3-1	KODZOFF DR.	54x8	3.0	②
42	38+49	LT	E.B.	R1-2	STOP	30x30	6.25	MOUNT BELOW SIGN 41
43	38+95	LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
44	39+85	LT	W.B.	R7-107	NO PARKING BUS STOP	12x18	1.5	②
45	43+89	LT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
46	43+92	LT	N.B./S.B.	E3-1	KODZOFF DR.	54x8	3.0	②
47	43+92	LT	E.B.	R1-2	STOP	30x30	6.25	MOUNT BELOW SIGN 46
48	44+02	RT	E.B.	R1-2	NO PARKING ANYTIME	12x18	1.5	②
49	44+43	LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
50	45+23	RT	N.B.	R1-2	LANE ENDS MERGE LEFT	36x36	9.0	②
51	45+55	LT	W.B.	R1-2	NO PARKING ANYTIME	12x18	1.5	②
52	47+75	RT	N.B.	R1-2	YIELD	36x36	9.0	②
53	47+75	RT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
54	49+70	RT	N.B./S.B.	E3-1	NANCY ST.	28x8	1.56	②
55	49+70	RT	W.B.	R1-2	STOP	30x30	6.25	MOUNT BELOW SIGN 54
56	49+80	RT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
57	49+94	LT	W.B.	R7-107	NO PARKING BUS STOP	12x18	1.5	②
58	50+25	RT	E.B.	R7-107	NO PARKING BUS STOP	12x18	1.5	②
59	50+52	RT	N.B.	R1-2	YIELD	24x24	4.0	③
60	50+69	LT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
61	50+78	LT	E.B.	R1-2	STOP	36x36	9.0	②
62	50+78	RT	N.B.	R1-2	LANE ENDS MERGE LEFT	30x30	6.25	②
63	51+29	LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
64	51+29	RT	N.B.	R1-2	YIELD	36x36	9.0	②
65	51+29	RT	N.B.	R1-2	YIELD	12x24	2.0	③
66	51+29	RT	N.B.	R1-2	BEGIN	24x36	6.0	MOUNT BELOW SIGN 65
67	51+29	LT	S.B.	R1-2	END	12x24	2.0	③
68	51+29	LT	S.B.	R1-2	CENTER LANE ONLY	24x36	6.0	MOUNT BELOW SIGN 67
69	51+29	LT	S.B.	R1-2	END	24x36	6.0	③
70	51+29	RT	N.B.	R1-2	CENTER LANE ONLY	24x36	6.0	③
71	51+29	LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
72	51+29	LT	E.B.	R1-2	STOP	30x30	6.25	②
73	51+29	LT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
74	51+29	LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
75	51+29	LT	W.B.	R1-2	STOP	30x30	6.25	②
76	51+29	LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN

SIGN SUMMARY

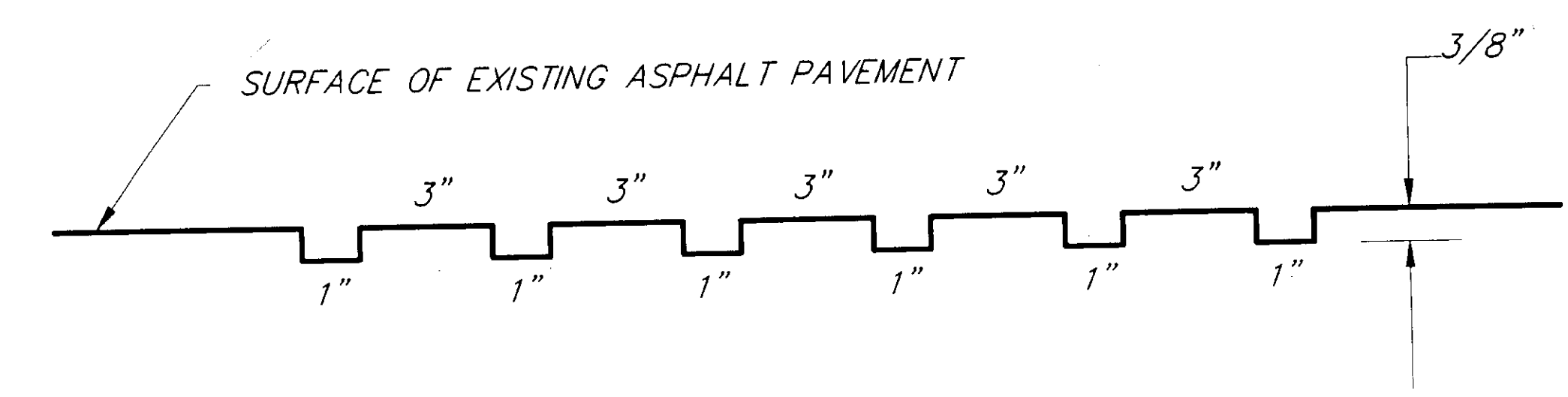
SIGN NO.	STATION	REF	FACING	TYPE	LEGEND	SIGN SIZE	AREA SQ. FT.	REMARKS
76	65+75	RT	N.B.	R3-9B	CENTER LANE ONLY	24x36	6.0	③
77	66+62	LT	S.B.	R3-9B	CENTER LANE ONLY	24x36	6.0	③
78	66+72	RT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
79	69+04	RT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
80	69+06	RT	W.B.	R1-1	STOP	30x30	6.25	②
81	70+30	LT	W.B.	R7-1	NO PARKING ANYTIME	12x18	1.5	②
82	71+07	RT	N.B.	R7-107	NO PARKING BUS STOP	12x18	1.5	②
83	71+20	LT	S.B.	R7-107	NO PARKING BUS STOP	12x18	1.5	②
84	71+38	LT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
85	71+44	LT	N.B./S.B.	D3-1	CINEMA DR.	28x8	1.56	②
86	71+44	LT	E.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 85
87	71+89	45' LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
88	72+92	RT	N.B.	R3-9B	CENTER LANE ONLY	24x36	6.0	③
89	73+84	LT	S.B.	R3-9B	CENTER LANE ONLY	24x36	6.0	③
90	75+64	LT	S.B.	R2-1	SPEED LIMIT 40	30x36	7.5	③
91	78+18	48' RT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
92	78+66	RT	N.B./S.B.	D3-1	TRINITY DR.	38x8	2.1	②
93	78+66	RT	W.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 92
94	78+70	33' RT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
95	80+87	RT	N.B.	R3-9B	CENTER LANE ONLY	24x36	6.0	③
96	80+96	LT	S.B.		ADOPT A HIGHWAY LITTER CONTROL NEXT MILE	36x18	4.5	②
97	80+96	LT	S.B.		CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS	36x12	3.0	② MOUNT BELOW SIGN 96
98	81+20	33' LT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
99	81+37	LT	N.B./S.B.	D3-1	STEPHEN RICHARDS DR.	58x8	3.22	②
100	81+37	LT	E.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 99
101	81+86	RT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
102	82+00	48' LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
103	82+25	RT	N.B./S.B.	D3-1	HALOFF WAY	40x8	2.3	②
104	82+25	RT	W.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 103
105	82+35	33' RT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
106	82+44	RT	N.B.	R7-107	NO PARKING BUS STOP	12x18	1.5	②
107	82+51	RT	N.B.	R2-1	SPEED LIMIT 40	30x36	7.5	③
108	84+62	LT	S.B.	R3-9B	CENTER LANE ONLY	24x36	6.0	③
109	85+02	LT	E.B.	R1-1	STOP	30x30	6.25	②
110	86+92	48' RT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
111	87+37	RT	N.B./S.B.	D3-1	DUDLEY ST.	38x8	2.1	②
112	87+37	RT	W.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 111
113	87+43	33' RT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
114	87+67	RT	E.B.	R7-1	NO PARKING ANYTIME	12x18	1.5	②
115	88+64	LT	W.B.	R7-1	NO PARKING ANYTIME	12x18	1.5	②
116	90+38	LT	S.B.	R7-107	NO PARKING BUS STOP	12x18	1.5	②
117	90+74	LT	S.B.	R3-9B	CENTER LANE ONLY	24x36	6.0	③
118	91+01	33' LT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
119	91+04	LT	N.B./S.B.	D3-1	McGINNIS DR.	42x8	2.3	②
120	91+04	LT	E.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 119
121	91+40	48' LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
122	91+62	RT	N.B.	R3-9B	CENTER LANE ONLY	24x36	6.0	③
123	92+98	RT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
124	93+40	RT	N.B./S.B.	D3-1	TONGASS BLVD.	46x8	2.6	②
125	93+40	RT	W.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 124
126	93+45	RT	N.B.	S1-1	SCHOOL ADVANCE SIGN	36x36	9.0	③
127	93+46	33' RT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
128	93+66	RT	N.B.	R7-107	NO PARKING BUS STOP	12x18	1.5	②
129	95+53	LT	W.B.	R7-1	NO PARKING ANYTIME	12x18	1.5	②
130	95+54	33' LT	N.B.	R1-1	STOP	12x18	1.5	② BIKE PATH STOP SIGN
131	95+55	LT	N.B./S.B.	D3-1	S. EL CAMINO ST.	56x8	3.1	②
132	95+55	LT	E.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 131
133	95+94	48' LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
134	97+26	LT	S.B.	R2-1	SPEED LIMIT 40	30x36	7.5	③
135	97+34	RT	N.B.	S5-1	SCHOOL SPEED LIMIT 20 WHEN FLASHING	24x4		

SIGN SUMMARY

SIGN NO.	STATION	REF	FACING	TYPE	LEGEND	SIGN SIZE	AREA SQ. FT.	REMARKS
167	112+65	RT	N.B./S.B.	D3-1	VALLEY BLVD.	42x8	2.3	②
168	112+65	RT	W.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 167
169	112+66	48'LT	S.B.	R1-2	YIELD	18x18	2.25	⑥ BIKE PATH STOP SIGN
170	112+71	33'RT	S.B.	R1-2	YIELD	18x18	2.25	⑥ BIKE PATH STOP SIGN
171	112+77	RT	N.B.	R7-107	NO PARKING BUS STOP	12x18	1.5	③
172	119+69	RT	E.B.	R7-1	NO PARKING ANYTIME	12x18	1.5	③
173	121+42	LT	W.B.	R7-1	NO PARKING ANYTIME	12x18	1.5	③
174	121+69	RT	N.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
175	122+15	RT	N.B./S.B.	D3-1	KIMBERLY ST.	44x8	2.4	②
176	122+15	RT	W.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 175
177	122+19	RT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
178	125+15	RT	N.B.	R1-2	YIELD	18x18	2.25	④ BIKE PATH STOP SIGN
179	125+54	RT	N.B./S.B.	D3-1	THUNDER MT. RD.	60x8	3.3	②
180	125+54	RT	W.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 179
181	125+60	30'RT	S.B.	R1-2	YIELD	18x18	2.25	⑥ BIKE PATH STOP SIGN
182	125+72	RT	N.B.	R7-107	NO PARKING BUS STOP	12x18	1.5	③
183	127+00	30'LT	N.B.	R1-2	YIELD	18x18	2.25	⑥ BIKE PATH STOP SIGN
184	127+08	LT	N.B./S.B.	D3-1	TAKU BLVD.	36x8	2.0	②
185	127+08	LT	E.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 184
186	127+50	45'LT	S.B.	R1-2	YIELD	18x18	2.25	② BIKE PATH STOP SIGN
187	132+33	LT	W.B.	R7-1	NO PARKING ANYTIME	12x18	1.5	③
188	133+81	RT	E.B.	R7-1	NO PARKING ANYTIME	12x18	1.5	③
					SYMBOL CAMPING	24x24	2.0	③
						24x6	1.0	③
189	136+77	RT	N.B.	D9-3		24x6	1.0	③
190								DELETED
191	138+26	LT	S.B.	R2-1	SPEED LIMIT 40	30x36	7.5	③
192	138+66	47'RT	N.B.	R1-2	YIELD	18x18	2.25	⑥ BIKE PATH STOP SIGN
193	139+11	RT	N.B./S.B.	D3-1	GRANT ST.	26x8	1.44	④
194	139+11	RT	W.B.	R1-1	STOP	30x30	6.25	MOUNT BELOW SIGN 193
195	139+13	30'RT	S.B.	R1-2	YIELD	18x18	2.25	⑥ BIKE PATH STOP SIGN
196	140+06	39'LT	N.B.	R1-2	YIELD	18x18	2.25	⑥ BIKE PATH STOP SIGN
197	140+09	LT	N.B./S.B.	D3-1	LOOP RD.	24x8	1.33	②
198	140+09	LT	E.B.	R1-1	STOP	48x48		EXISTING TO REMAIN
199	140+32	RT	W.B.	M6-4		21x15	2.19	⑦
200	140+32	RT	W.B.	OM-4	••• (RED)	18x18	2.25	MOUNT BELOW SIGN 199
201	140+90	46'LT	S.B.	R1-2	YIELD	18x18	2.25	⑥ BIKE PATH STOP SIGN
202-205		RT	E.B./W.B.	D3-1	MENDENHALL LOOP RD	36x8	2.00	MOUNT BELOW SIGNS 99, 119, 165, 184



RUMBLE STRIP LOCATION



RUMBLE STRIP DETAIL

SIGNING NOTES

- 1 STATIONS AND OFFSETS GIVEN ARE APPROXIMATE ONLY AND ARE SUBJECT TO MINOR FIELD REVISIONS AS DIRECTED BY THE ENGINEER.
- 2 IN ALL CASES, NEW MOUNTING HARDWARE IS TO BE USED TO ATTACH SIGN PANELS TO POSTS OR LUMINAIRE POLES.
- 3 UNLESS NOTED OTHERWISE, ALL EXISTING SIGN PANELS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR AND STOCKPILED AT THE STATE OF ALASKA DOT & PF MAINTENANCE YARD.
- 4 EXISTING SIGN POSTS WHICH ARE SCHEDULED FOR REPLACEMENT SHALL BE REMOVED BY THE CONTRACTOR AND STOCKPILED AT THE STATE OF ALASKA DOT & PF MAINTENANCE YARD.
- 5 ALL SIGNS SHALL BE INSTALLED SUCH THAT THE BOTTOM OF THE LOWEST SIGN PANEL IS 7'-0" ABOVE THE EDGE OF PAVEMENT.
- 6 ALL NEW SIGN POSTS SHALL BE TELESCOPING, PERFORATED, GALVANIZED SQUARE STEEL. ALL ARE SINGLE POST INSTALLATIONS.
- 7 ALL NEW SIGN POSTS SHALL BE MADE WITH POST SLEEVE TYPE EMBEDMENT, SEE STANDARD DWGS. S-30.01 FOR DETAILS.
- 8 SEE STANDARD DWG. S-00.00 FOR SIGN PANEL THICKNESS REQUIREMENTS.
- 9 ALL R7-202M, AND R7-202K SIGN PANELS SHALL HAVE A BLACK LEGEND, RATHER THAN RED.

REMARKS LEGEND

- ① MOUNT NEW SIGN PANEL ON EXISTING MAST ARM.
- ② MOUNT NEW SIGN PANEL ON EXISTING POST.
- ③ MOUNT NEW SIGN PANEL ON EXISTING LUMINAIRE POLE.
- ④ NEW POST REQUIRED IN EXISTING SLEEVE.
- ⑤ RE-USE EXISTING SIGN PANEL.
- ⑥ NEW INSTALLATION, SEE STANDARD DRAWINGS.
- ⑦ EXISTING POST & SLEEVE TO BE RESET AT EXISTING LOCATION.
- ⑧ SEE SPECIAL PROVISION 615-1.02.

PATH: P:\JUN\MENPAVE\DR\SIGNSUM2 1=1		
DATE:	DESCRIPTION OF CHANGE:	

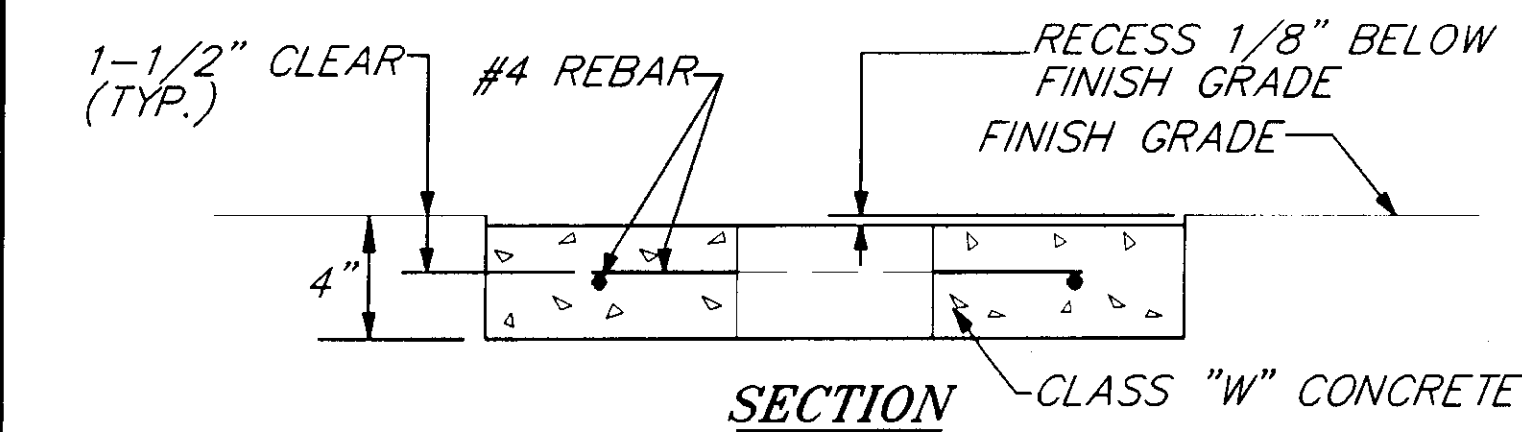
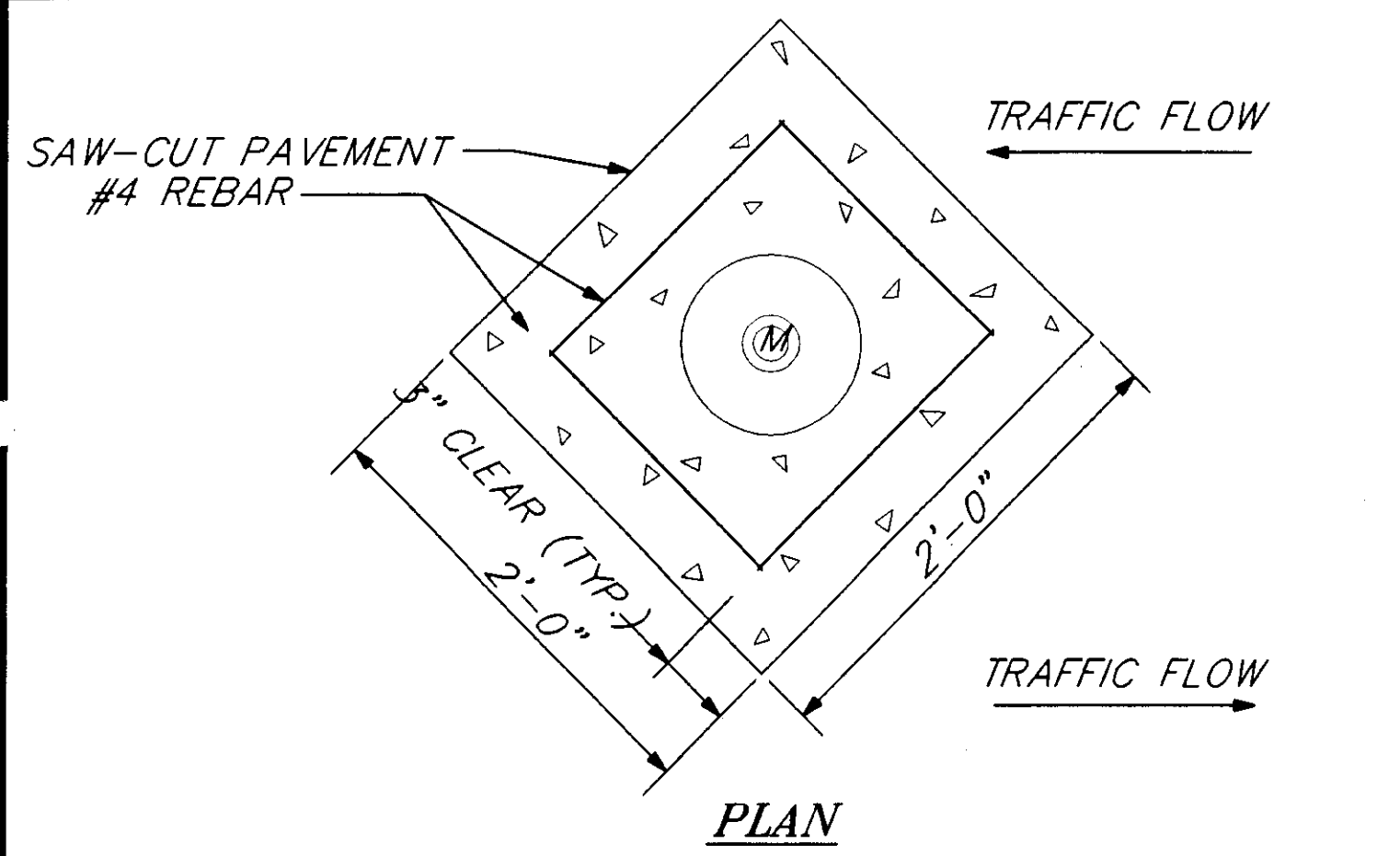
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU
MENDENHALL LOOP ROAD
PAVEMENT REHABILITATION
PROJECT NO. STP-0966(18)/71523
STUD WEAR RUTTING REPAIR
SIGNING SUMMARY
ALASKA

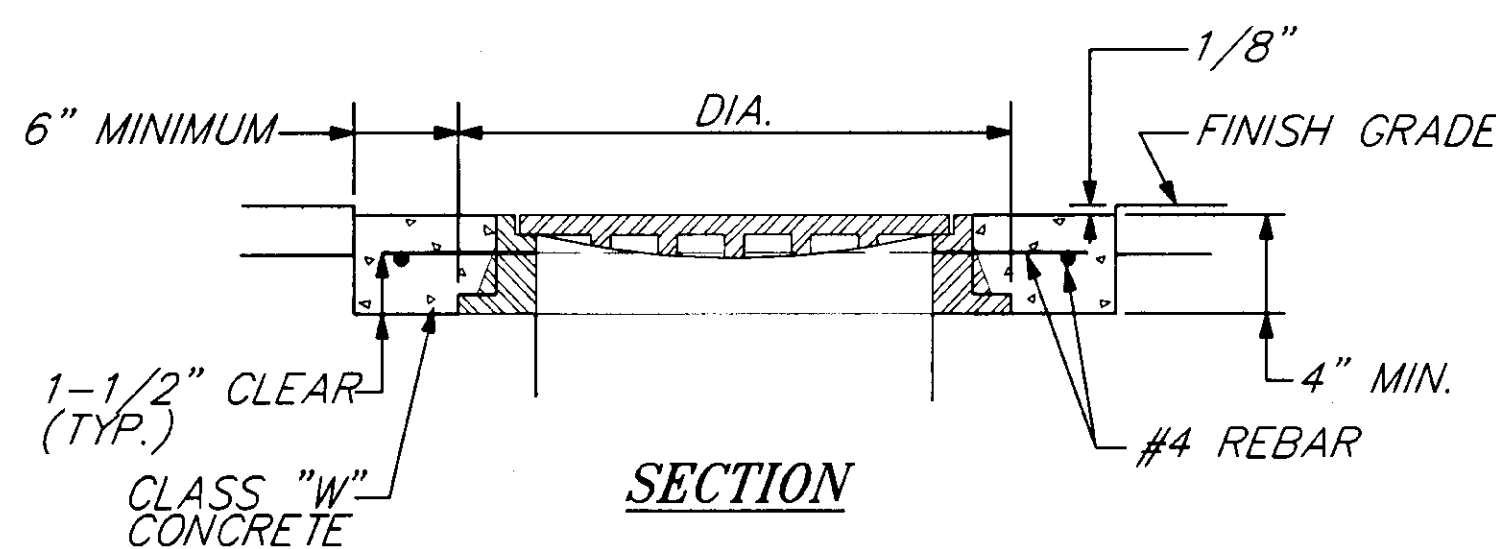
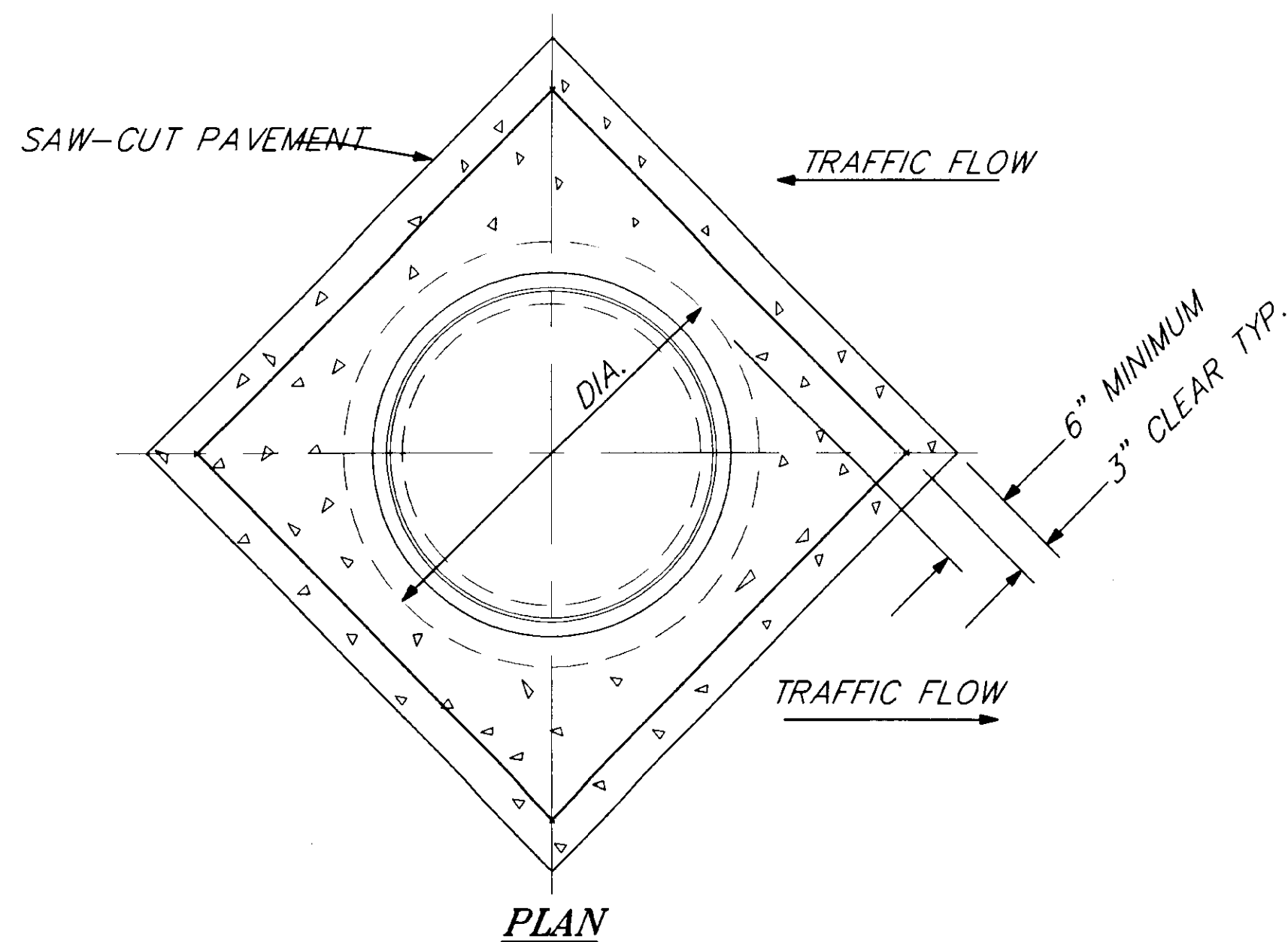
DESIGNED BY: J. MAYER	PROJECT NO. 71523
DRAWN BY: B. ADAMS/C. BECKER	DATE: SEPT., 1994
CHECKED BY:	SHEET 11 OF 20

AS-BUILT
BY: B.A. DATE: 8-16

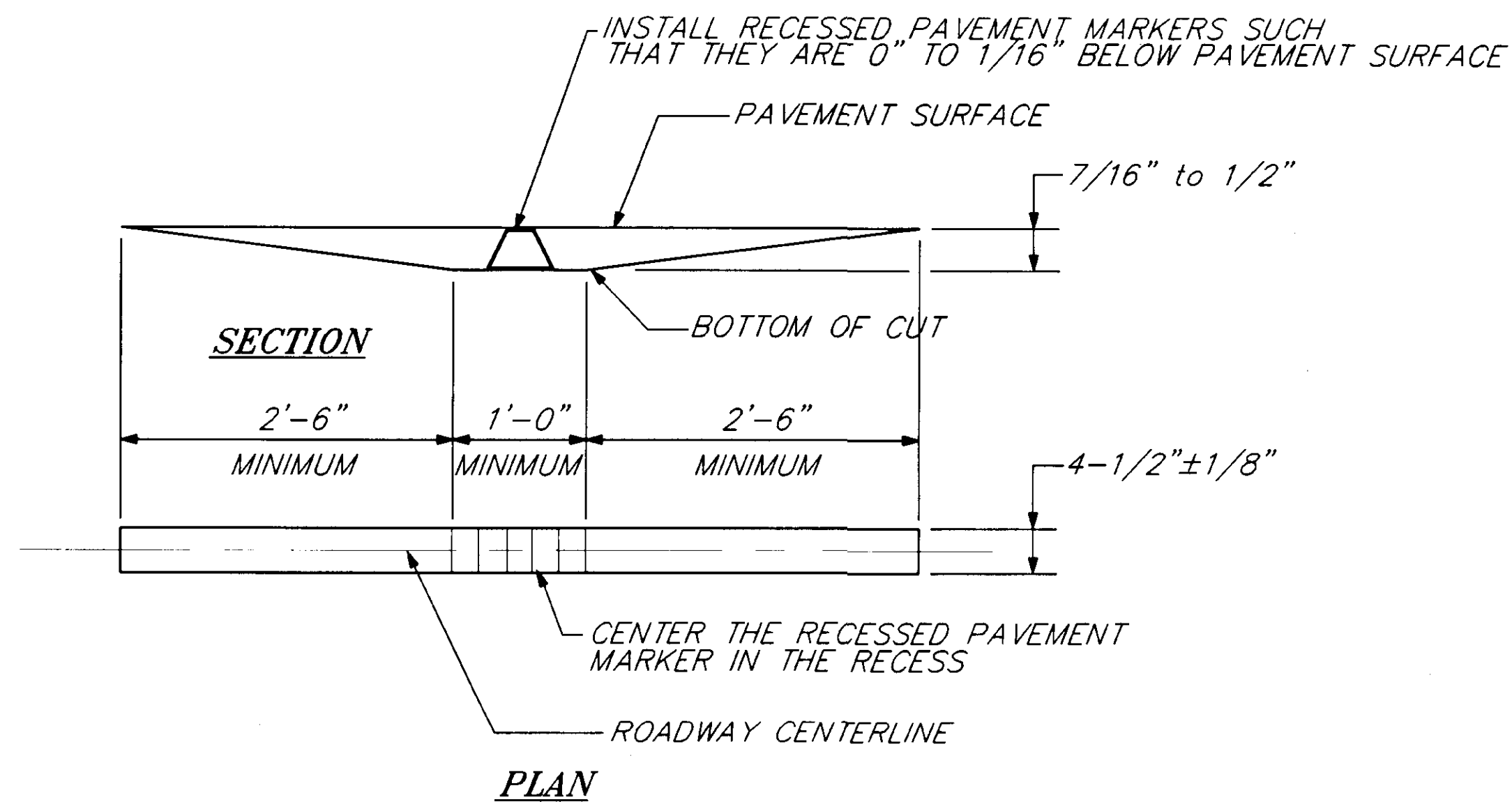




MONUMENT ENCASEMENT DETAIL



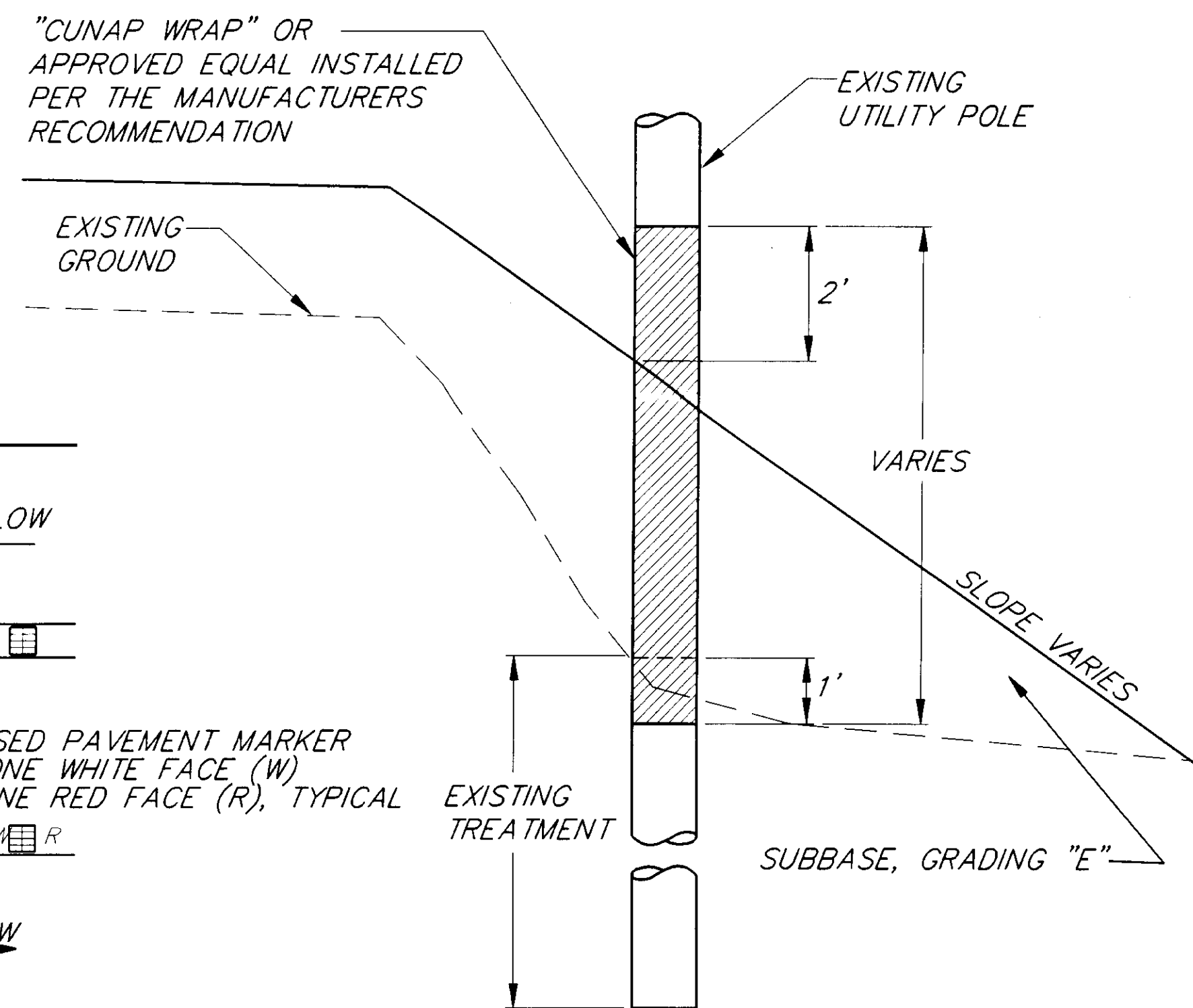
MANHOLE ENCASEMENT DETAIL



RECESSED PAVEMENT MARKER DETAIL

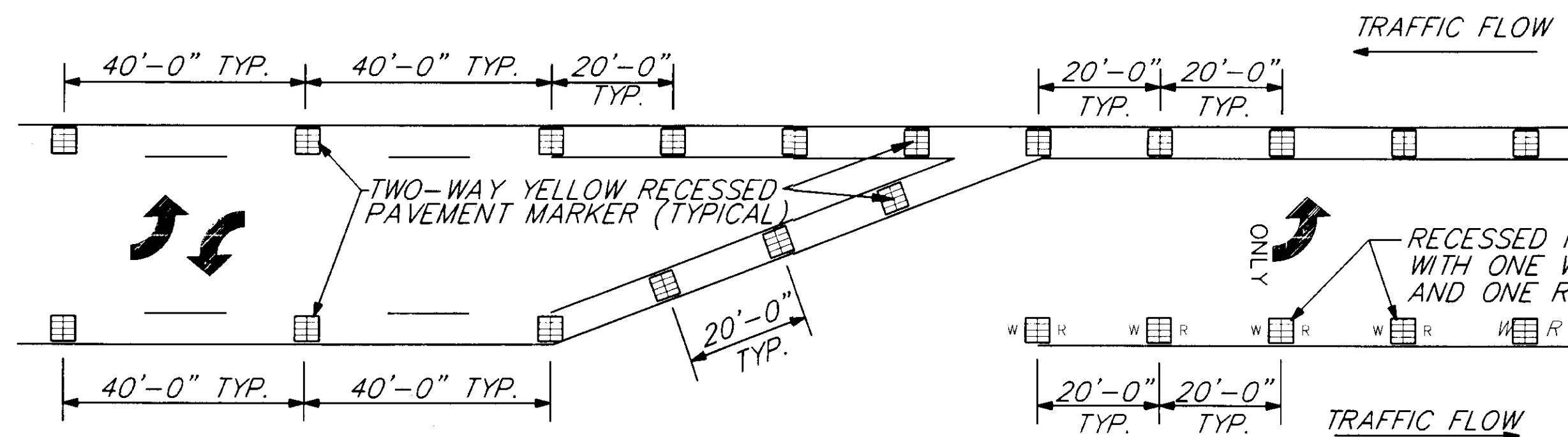
RECESSED PAVEMENT MARKER NOTES

1. LATERAL PLACEMENT OF RECESSED PAVEMENT MARKERS SHALL BE BETWEEN DOUBLE YELLOW STRIPES AND/OR LANE LINE.
2. LOCATIONS OF RECESSED PAVEMENT MARKERS IN AREAS WITH UNUSUAL GEOMETRICS WILL BE DETERMINED BY THE PROJECT ENGINEER.
3. RECESSED PAVEMENT MARKER QUANTITY GIVEN IS APPROXIMATE AND MAY VARY.
4. RECESSED PAVEMENT MARKERS SHALL BE SPACED EVERY 80'.

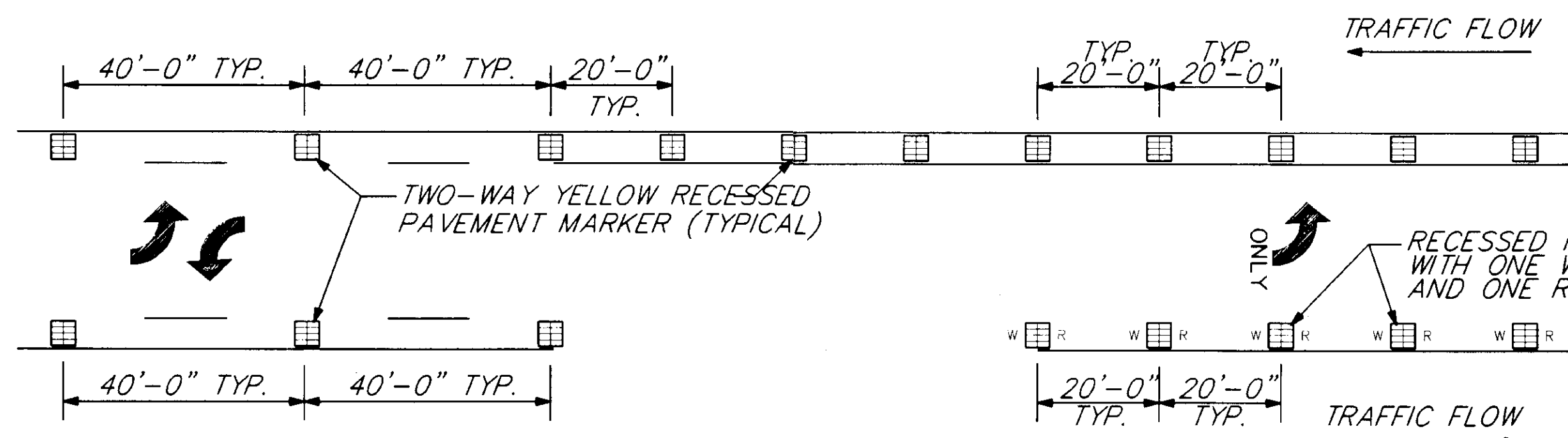


UTILITY POLE TREATMENT DETAIL

THIS DETAIL APPLIES AT 81+14, 50' LT.



TWO-WAY/ONE-WAY LEFT TURN LANE TRANSITION (WITH TAPER)



TWO-WAY/ONE-WAY LEFT TURN LANE TRANSITION (WITHOUT TAPER)

AS-BUILT
BY: B.A. DATE: 8-96

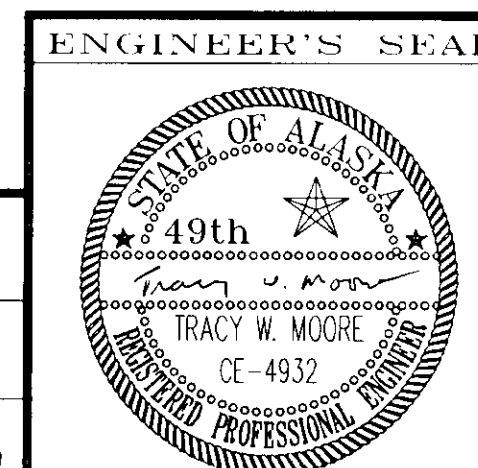
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DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS	

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

JUNEAU MENDENHALL LOOP ROAD ALASKA
PAVEMENT REHABILITATION
PROJECT NO. STP-0966(18)/71523
STUD WEAR RUTTING REPAIR
MISCELLANEOUS CONSTRUCTION DETAILS

DESIGNED BY: J. MAYER
DRAWN BY: B. ADAMS/C. BECKER
CHECKED BY:

PROJECT NO. 71523
DATE: SEPT., 1994
SHEET 12 OF 20

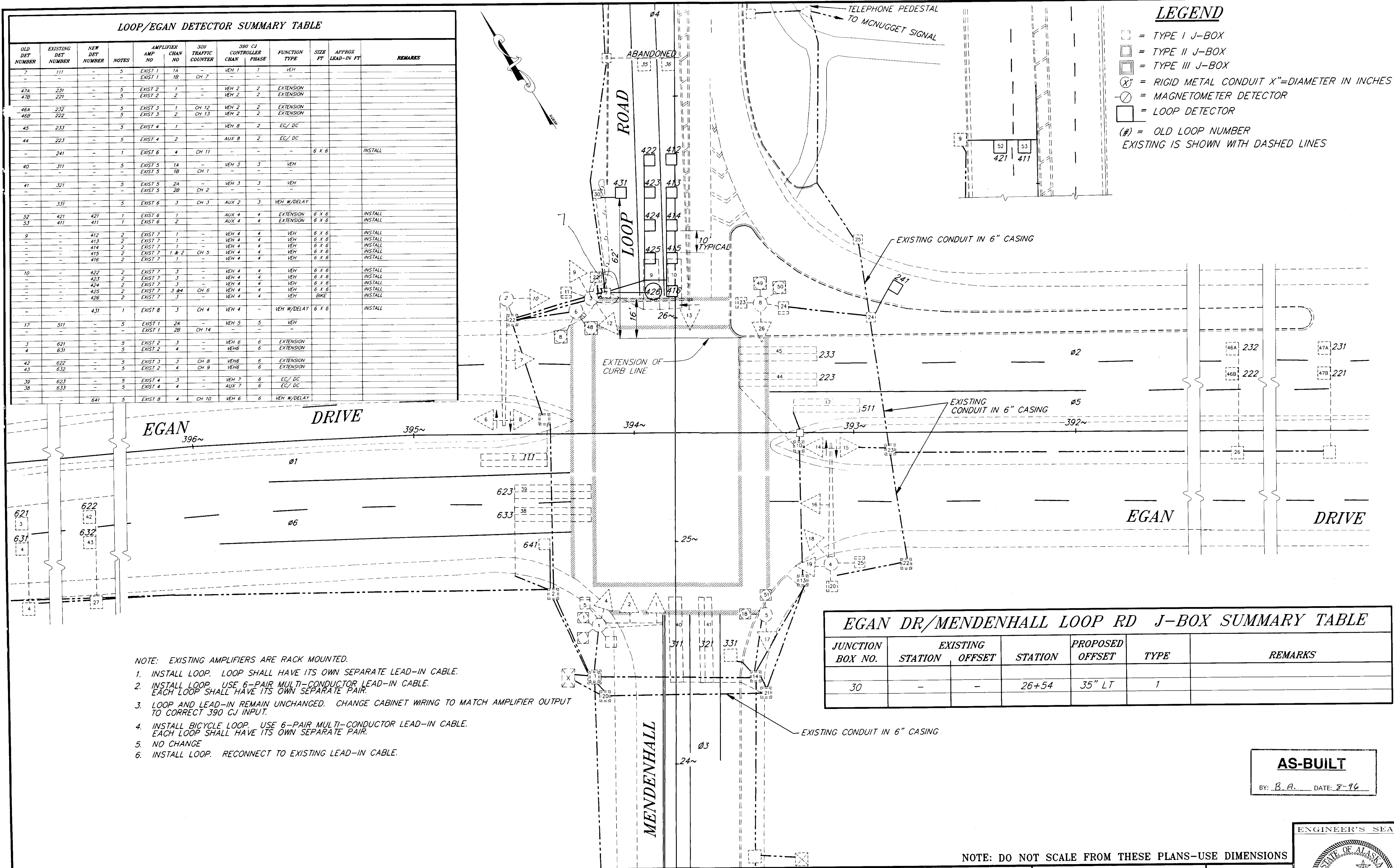


LOOP/EGAN DETECTOR SUMMARY TABLE

OLD DET NUMBER	EXISTING DET NUMBER	NEW DET NUMBER	NOTES	AMPLIFIER AMP NO	CHAN NO	390 TRAFFIC COUNTER CHAN	390 CJ CONTROLLER PHASE	FUNCTION TYPE	SIZE FT	APPROX LEAD-IN FT	REMARKS
7	111	-	5	EXIST 1	1A	-	VEH 1	1	VEH		
-	-	-	-	EXIST 1	1B	CH 7	-	-	-		
47A	231	-	5	EXIST 2	1	-	VEH 2	2	EXTENSION		
47B	221	-	5	EXIST 2	2	-	VEH 2	2	EXTENSION		
46A	232	-	5	EXIST 3	1	CH 12	VEH 2	2	EXTENSION		
46B	222	-	5	EXIST 3	2	CH 13	VEH 2	2	EXTENSION		
45	233	-	5	EXIST 4	1	-	VEH 8	2	EG/DC		
44	223	-	5	EXIST 4	2	-	AUX 8	2	EG/DC		
-	241	-	1	EXIST 6	4	CH 11	-	-	6 X 6		INSTALL
40	311	-	5	EXIST 5	1A	-	VEH 3	3	VEH		
-	-	-	-	EXIST 5	1B	CH 1	-	-	-		
41	321	-	5	EXIST 5	2A	-	VEH 3	3	VEH		
-	-	-	-	EXIST 5	2B	CH 2	-	-	-		
-	331	-	5	EXIST 6	3	CH 3	AUX 2	3	VEH W/DELAY		
52	421	421	1	EXIST 6	1	-	AUX 4	4	EXTENSION	6 X 6	INSTALL
53	411	411	1	EXIST 6	2	-	AUX 4	4	EXTENSION	6 X 6	INSTALL
9	-	412	2	EXIST 7	1	-	VEH 4	4	VEH	6 X 6	INSTALL
-	-	413	2	EXIST 7	1	-	VEH 4	4	VEH	6 X 6	INSTALL
-	-	414	2	EXIST 7	1	-	VEH 4	4	VEH	6 X 6	INSTALL
-	-	415	2	EXIST 7	1 & 2	CH 5	VEH 4	4	VEH	6 X 6	INSTALL
-	-	416	2	EXIST 7	1	-	VEH 4	4	VEH	6 X 6	INSTALL
10	-	422	2	EXIST 7	3	-	VEH 4	4	VEH	6 X 6	INSTALL
-	-	423	2	EXIST 7	3	-	VEH 4	4	VEH	6 X 6	INSTALL
-	-	424	2	EXIST 7	3	-	VEH 4	4	VEH	6 X 6	INSTALL
-	-	425	2	EXIST 7	3 & 4	CH 6	VEH 4	4	VEH	6 X 6	INSTALL
-	-	426	2	EXIST 7	3	-	VEH 4	4	VEH BIKE	6 X 6	INSTALL
-	-	431	1	EXIST 8	3	CH 4	VEH 4	-	VEH W/DELAY	6 X 6	INSTALL
17	511	-	5	EXIST 1	2A	-	VEH 5	5	VEH		
-	-	-	-	EXIST 1	2B	CH 14	-	-	-		
3	621	-	5	EXIST 2	3	-	VEH 6	6	EXTENSION		
4	631	-	5	EXIST 2	4	-	VEH 6	6	EXTENSION		
42	622	-	5	EXIST 3	3	CH 8	VEH 6	6	EXTENSION		
43	632	-	5	EXIST 2	4	CH 9	VEH 6	6	EXTENSION		
39	623	-	5	EXIST 4	3	-	VEH 7	6	EG/DC		
38	633	-	5	EXIST 4	4	-	AUX 7	6	EG/DC		
-	-	641	5	EXIST 8	4	CH 10	VEH 6	6	VEH W/DELAY		

LEGEND

- = TYPE I J-BOX
- ▣ = TYPE II J-BOX
- ▤ = TYPE III J-BOX
- ⊗ = RIGID METAL CONDUIT X"=DIAMETER IN INCHES
- ⊙ = MAGNETOMETER DETECTOR
- = LOOP DETECTOR
- (#) = OLD LOOP NUMBER
- EXISTING IS SHOWN WITH DASHED LINES



- NOTE: EXISTING AMPLIFIERS ARE RACK MOUNTED.
- INSTALL LOOP. LOOP SHALL HAVE ITS OWN SEPARATE LEAD-IN CABLE.
 - INSTALL LOOP. USE 6-PAIR MULTI-CONDUCTOR LEAD-IN CABLE. EACH LOOP SHALL HAVE ITS OWN SEPARATE PAIR.
 - LOOP AND LEAD-IN REMAIN UNCHANGED. CHANGE CABINET WIRING TO MATCH AMPLIFIER OUTPUT TO CORRECT 390 CJ INPUT.
 - INSTALL BICYCLE LOOP. USE 6-PAIR MULTI-CONDUCTOR LEAD-IN CABLE. EACH LOOP SHALL HAVE ITS OWN SEPARATE PAIR.
 - NO CHANGE
 - INSTALL LOOP. RECONNECT TO EXISTING LEAD-IN CABLE.

EGAN DR/MENDENHALL LOOP RD J-BOX SUMMARY TABLE

JUNCTION BOX NO.	EXISTING STATION	EXISTING OFFSET	STATION	PROPOSED OFFSET	TYPE	REMARKS
30	-	-	26+54	35" LT	1	

AS-BUILT
 BY: B.A. DATE: 8-96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

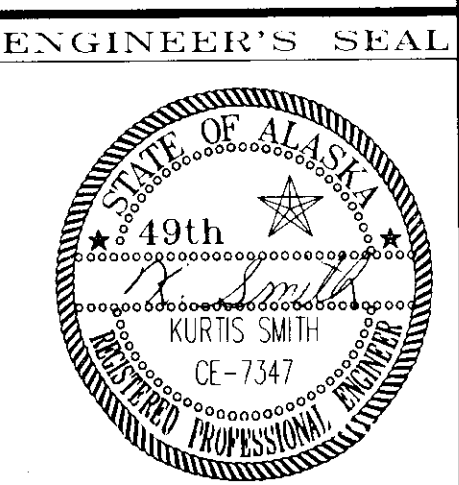
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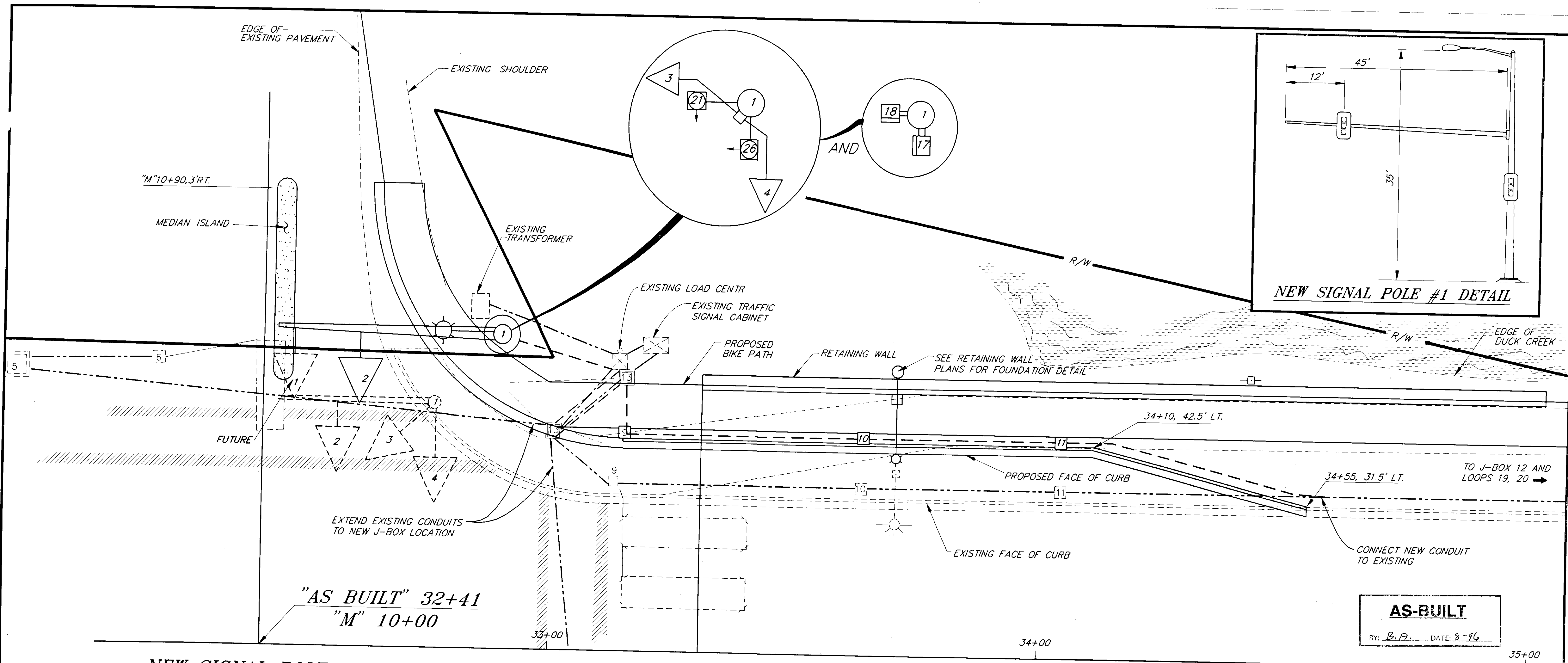
DATE:	DESCRIPTION OF CHANGE:

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

JUNEAU ALASKA
 MENDENHALL LOOP ROAD
 PAVEMENT REHABILITATION
 PROJECT NO. STP-0966(18) 71523
 STUD WEAR RUTTING REPAIR
LOOP DETECTOR PLAN

DESIGNED BY: J. AHLGREN	PROJECT NO. 71523
DRAWN BY: C. ANDERSON	DATE: SEPT. 1994
CHECKED BY: R. PURVES	SHEET 13 OF 20





NEW SIGNAL POLE DETAIL

MENDENHALL LOOP RD/ATLIN ST SIGNAL HEAD SUMMARY TABLE

HEAD NO.	POLE NO.	FACING	LENS ARRANGEMENT	PHASE	MOUNTING STYLE	INDICATIONS	REMARKS
1	1	WB	-	4	PLUMBIZER	RED, YELLOW, GREEN	FUTURE
2	1	WB	a.	4	PLUMBIZER	RED, YELLOW, GREEN BALL	INSTALL NEW
3	1	NB LT	a.	5	S-2	RED, YELLOW, GREEN LEFT ARROWS	INSTALL NEW
4	1	WB	a.	4	S-2	RED, YELLOW, GREEN BALL	INSTALL NEW
17	1	NB PED	-	2	SW-2	WALK/DON'T WALK SYMBOLS	INSTALL NEW
18	1	WB PED	-	4	SW-2	WALK/DON'T WALK SYMBOLS	INSTALL NEW

NOTES:
 1. ARRANGEMENT IS AS SHOWN IN THE ALASKA TRAFFIC MANUAL
 2. ALL VEHICLE SIGNAL HEADS SHALL BE 12 INCH.

MENDENHALL LOOP RD/ATLIN SIGNAL POLE AND J-BOX SUMMARY TABLE

SIGNAL POLE NO.	EXISTING		PROPOSED		MAST ARM LENGTH	REMARKS
	STATION	OFFSET	STATION	OFFSET		
1	32+74	49' LT	-	-	-	REMOVE
1	-	-	32+90	64' LT	44 FEET	INSTALL NEW-SEE DETAIL

JUNCTION BOX NO.	EXISTING		PROPOSED		TYPE	REMARKS
	STATION	OFFSET	STATION	OFFSET		
3	31+68	33	31+68	33	1A	REPLACE TYPE I WITH TYPE 1A
13	33+01	43' LT	33+15	54' LT	III	RELOCATE-USE NEW JUNCTION BOX
9	33+13	32' LT	33+13	43' LT	1A	RELOCATE-USE NEW JUNCTION BOX
10	33+62	32' LT	33+62	43' LT	1A	RELOCATE-USE NEW JUNCTION BOX
11	34+03	32' LT	34+03	43' LT	I	RELOCATE-USE NEW JUNCTION BOX
6	"M" 10+55	25' LT.	"M" 10+55	28' LT.	1A	REPLACE TYPE I WITH TYPE 1A

NOTE: SEE SHEET 9 FOR ADDITIONAL J-BOX AND CONDUIT INSTALLATION

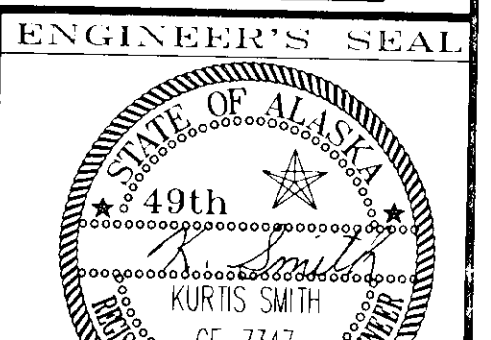
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: \\JUNO\MENHALL\DR\2000\10
 BY: DATE: DESCRIPTION OF CHANGE:

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

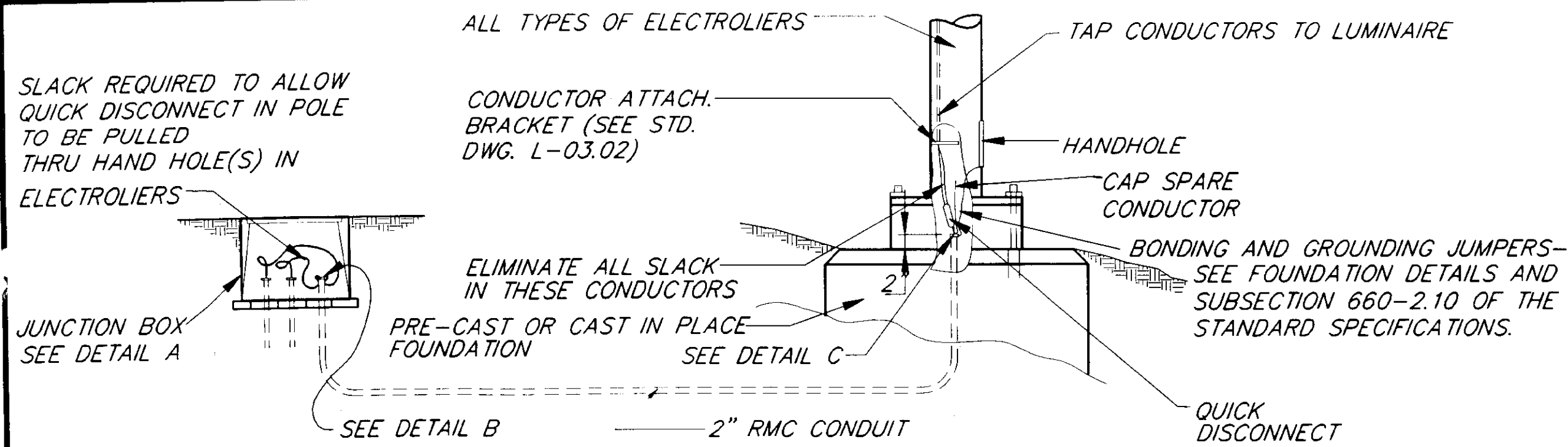
JUNEAU
 MENDENHALL LOOP ROAD
 PAVEMENT REHABILITATION
 PROJECT NO. STP-0966(18)/71523
 STUD WEAR PUTTING REPAIR

ALASKA
 DESIGNED BY: JON AHLGREN
 DRAWN BY: C. ANDERSON
 PROJECT NO. 71528
 DATE: SEPT. 1994

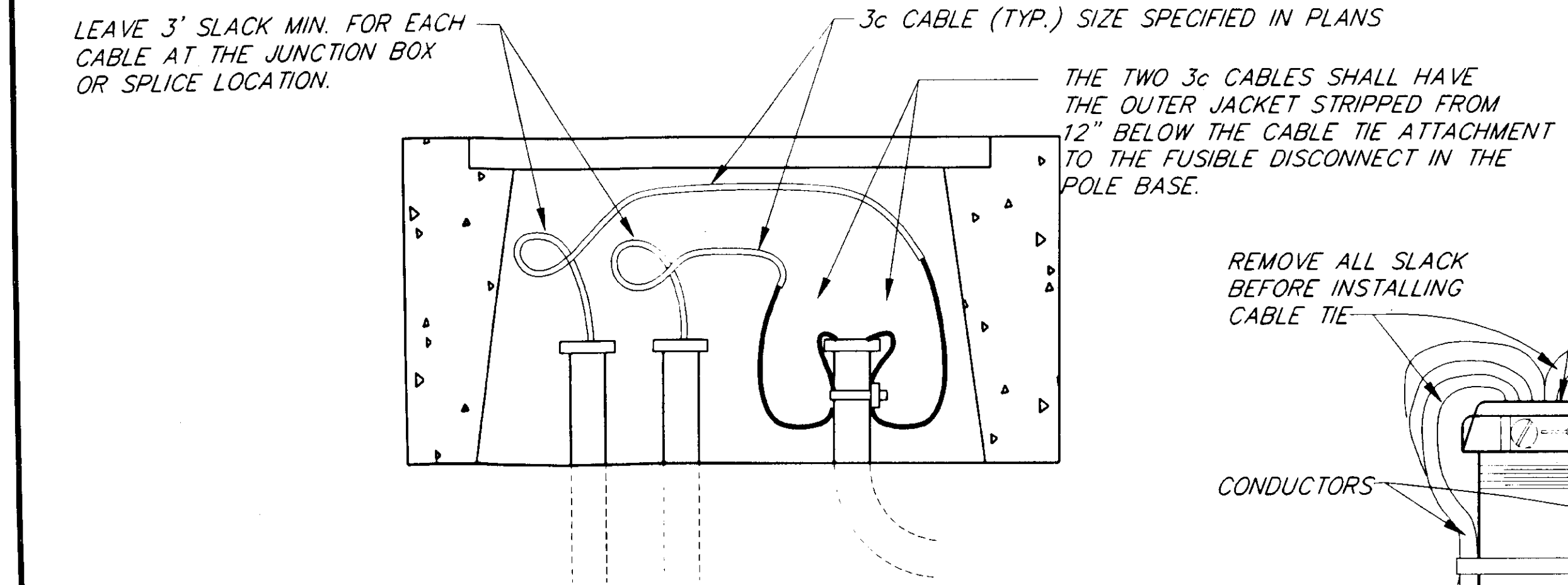


RECORD OF REVISIONS

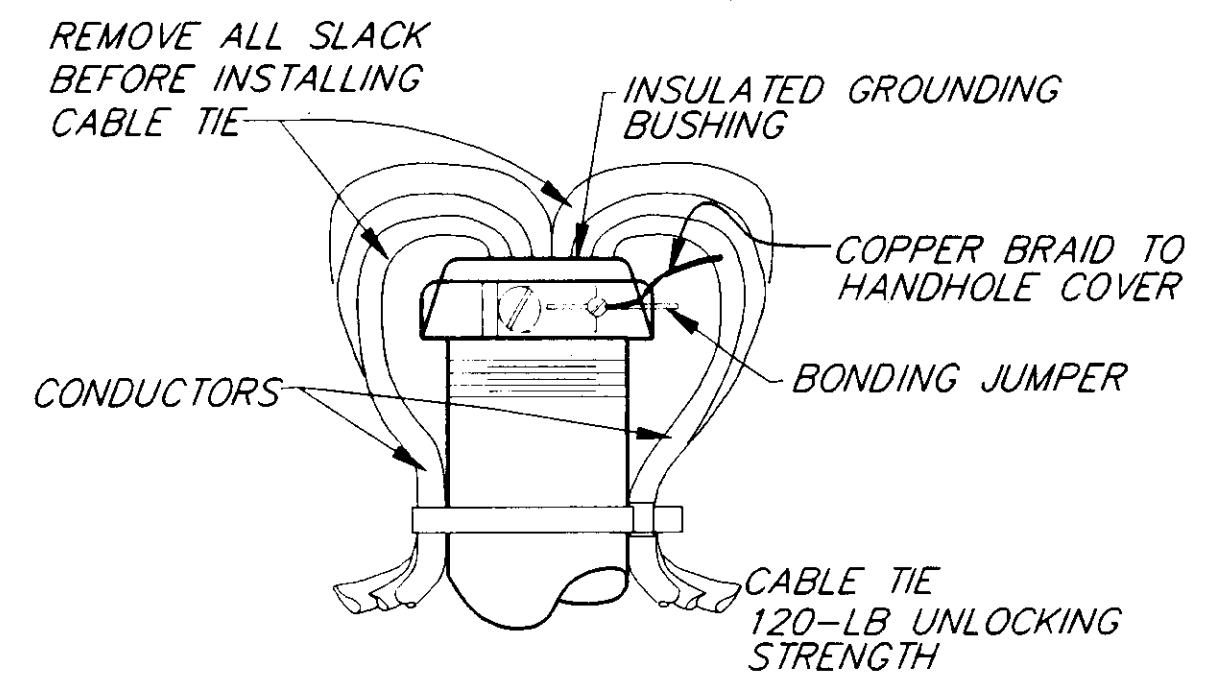
LIGHTING SYSTEM POLE AND J-BOX WIRING DETAILS



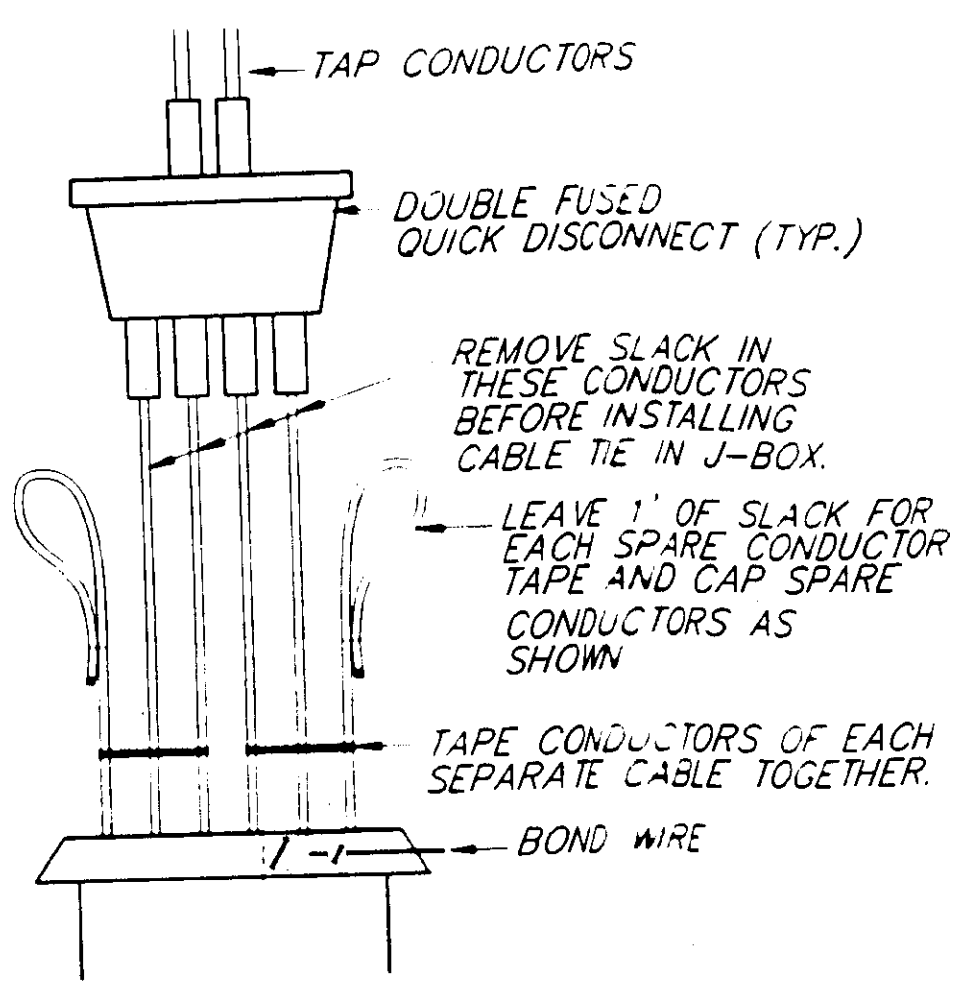
LIGHTING SYSTEM POLE AND J-BOX WIRING DETAILS



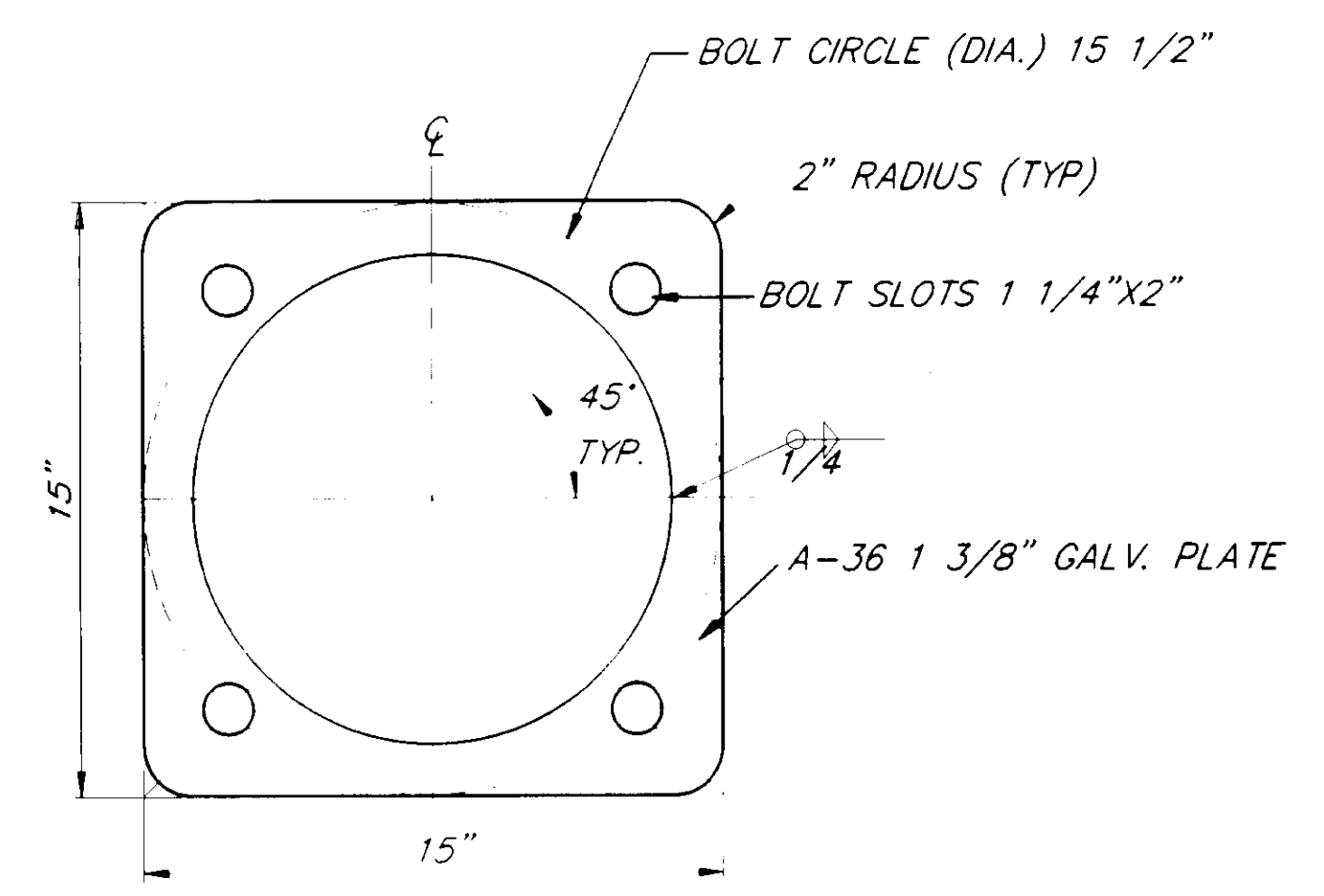
DETAIL A



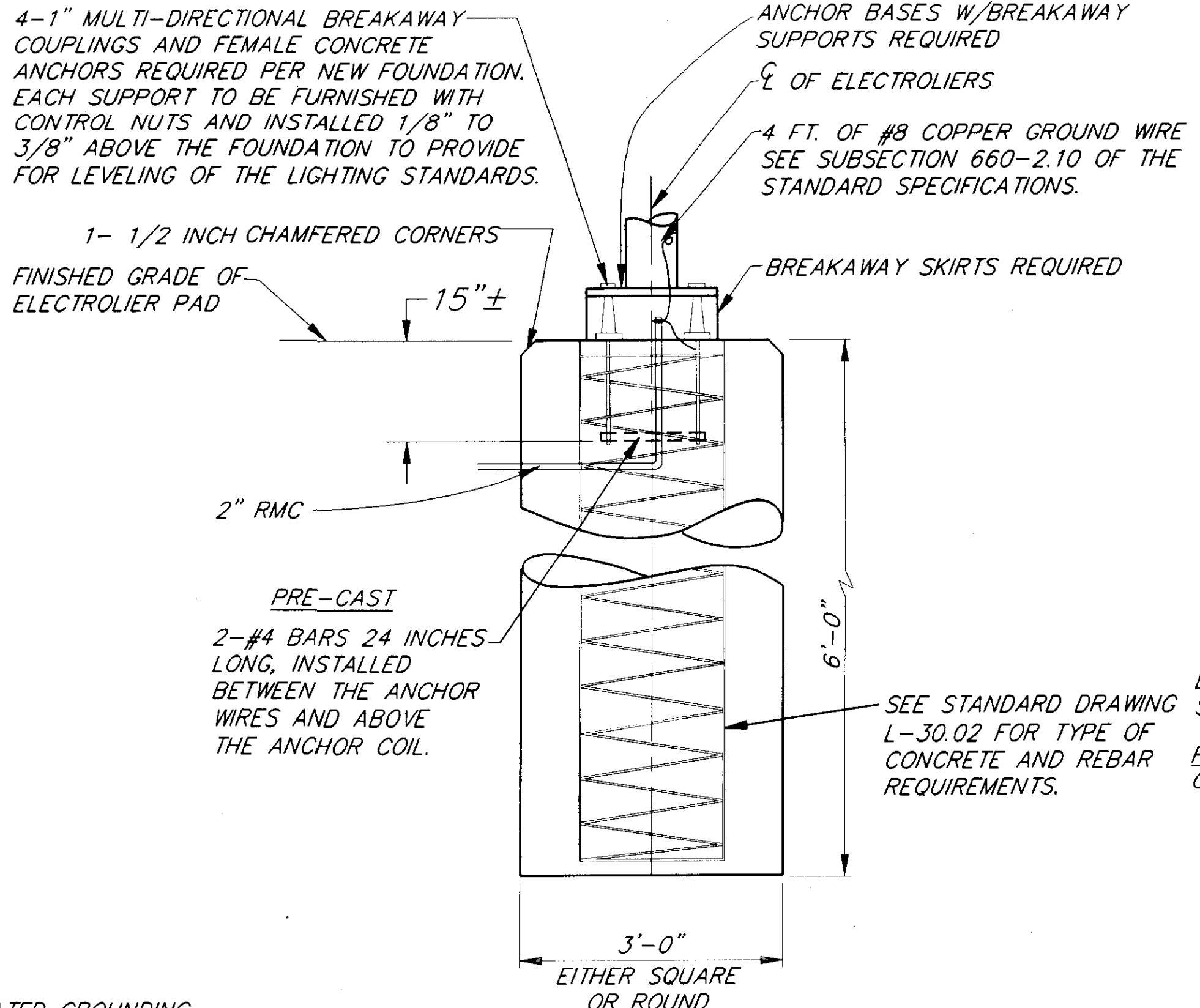
DETAIL B
(IN J-BOX)



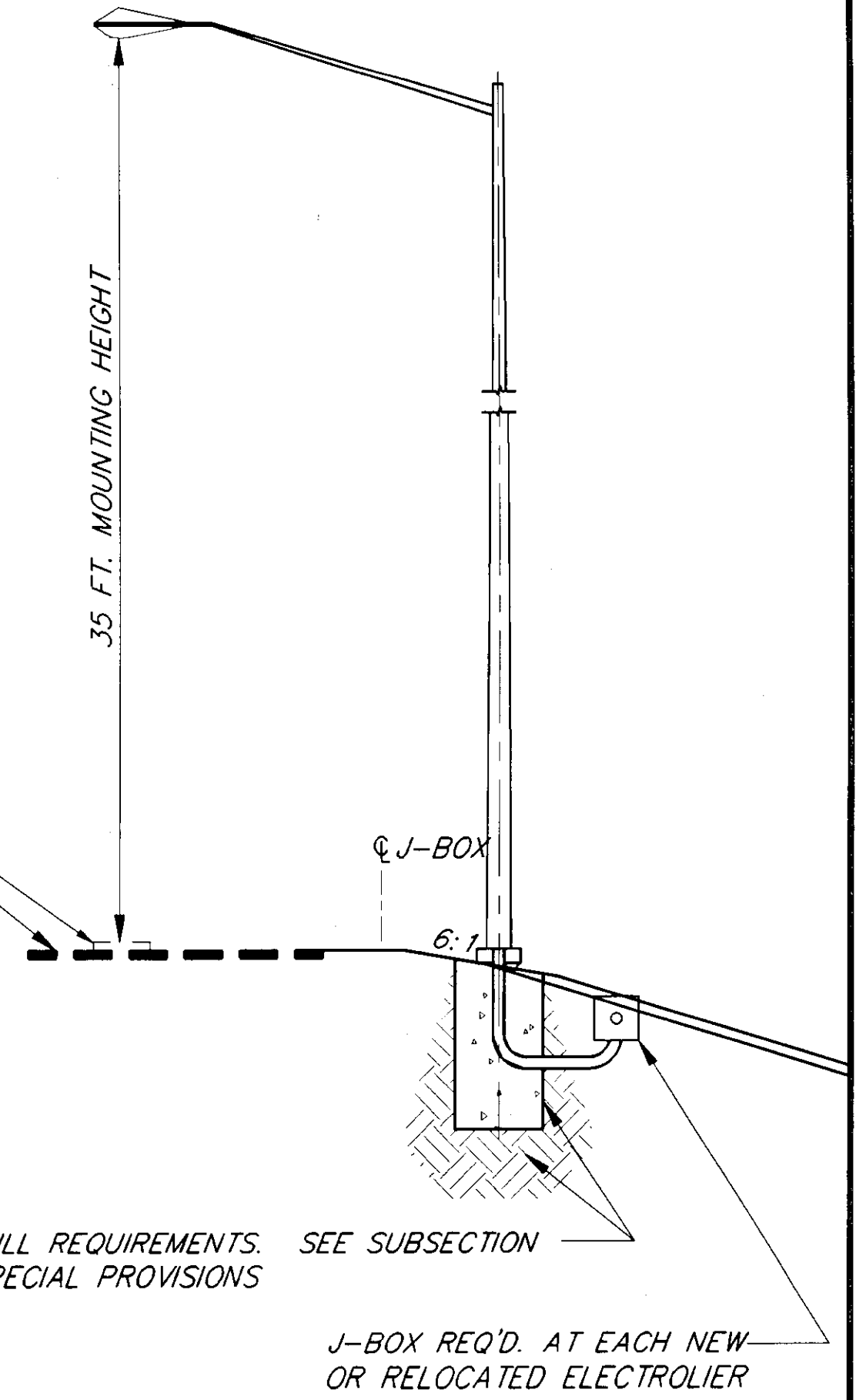
DETAIL C
(IN POLE BASE)



ANCHOR BASE DETAIL



FOUNDATION WITH BREAKAWAY COUPLINGS



TYPICAL SECTION FOR ELECTROLIER

EXCEPT WHERE NOTED

ILLUMINATION GENERAL NOTES

1. ALL NEW CONDUIT SHALL BE 2 INCH RIGID METAL (RMC).
2. EXISTING CONDUITS MAY HAVE SILT IN THEM. THEY SHALL BE CLEANED OUT BEFORE ANY NEW CABLES ARE INSTALLED.
3. ALL JUNCTION BOXES THAT WILL BE AFFECTED BY THIS PROJECT SHALL BE CLEANED OF ACCUMULATED SILT TO EXPOSE THE COURSE CONCRETE AGGREGATE IN THE BOTTOM OF THE JUNCTION BOX.
4. NEW LUMINAIRES SHALL BE HIGH PRESSURE SODIUM 240 VOLT, 250 WATT, MEDIUM DISTRIBUTION, SEMI-CUTOFF, AND THE TYPE SHOWN IN THE PLANS.
5. NEW ILLUMINATION CABLE SHALL BE #8 AWG. WHEN REPLACING EXISTING CIRCUITS THE SIZE SHALL BE NO SMALLER THAN THE EXISTING CIRCUIT.
6. NEW POLES SHALL HAVE A 4 BOLT BASE WITH A 15 1/2 INCH BOLT CIRCLE. ANCHOR BOLTS SHALL BE MULTI-DIRECTIONAL BREAKAWAY WITH FEMALE ANCHORS.
7. LUMINAIRE MOUNTING HEIGHT SHALL BE 35 FEET ABOVE THE ROADWAY.

AS-BUILT
BY: B.F. DATE: 8-96

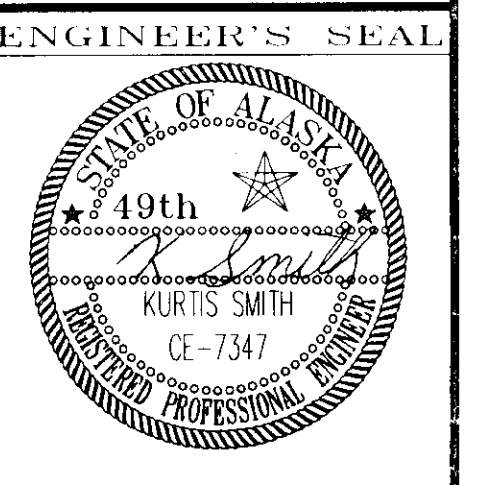
MENDENHALL LOOP RD/ATLIN ILLUMINATION POLE AND J-BOX SUMMARY TABLE							
LIGHTING POLE NO.	EXISTING		STATION	PROPOSED OFFSET	MAST ARM LENGTH	LUMINAIRE TYPE	REMARKS
	STATION	OFFSET					
1	-	-	32+90	54' LT	10'	III	INSTALL ON NEW SIGNAL COMBINATION POLE
2	33+71	36' LT	33+71	58' LT	14'	III	USE NEW POLE
3	-	-	"M" 12+03	25' RT	14'	II	
JUNCTION BOX NO.	EXISTING		PROPOSED		J-BOX TYPE	REMARKS	
	STATION	OFFSET	STATION	OFFSET			
1	-	-	33+71	44' LT	I		
2	-	-	"M" 11+99	25' RT	I		

DATE	DESCRIPTION OF CHANGE

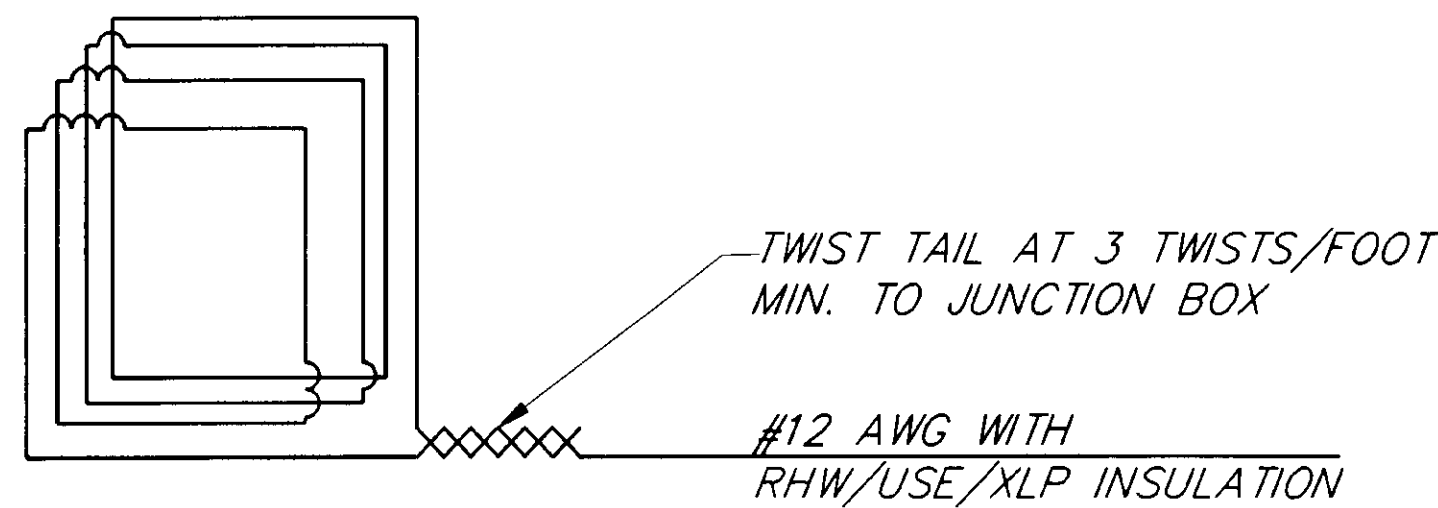
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU
MENDENHALL LOOP ROAD PAVEMENT REHABILITATION
PROJECT NO. STP-0966(18)/71523
STUD WEAR RUTTING REPAIR
ILLUMINATION DETAILS

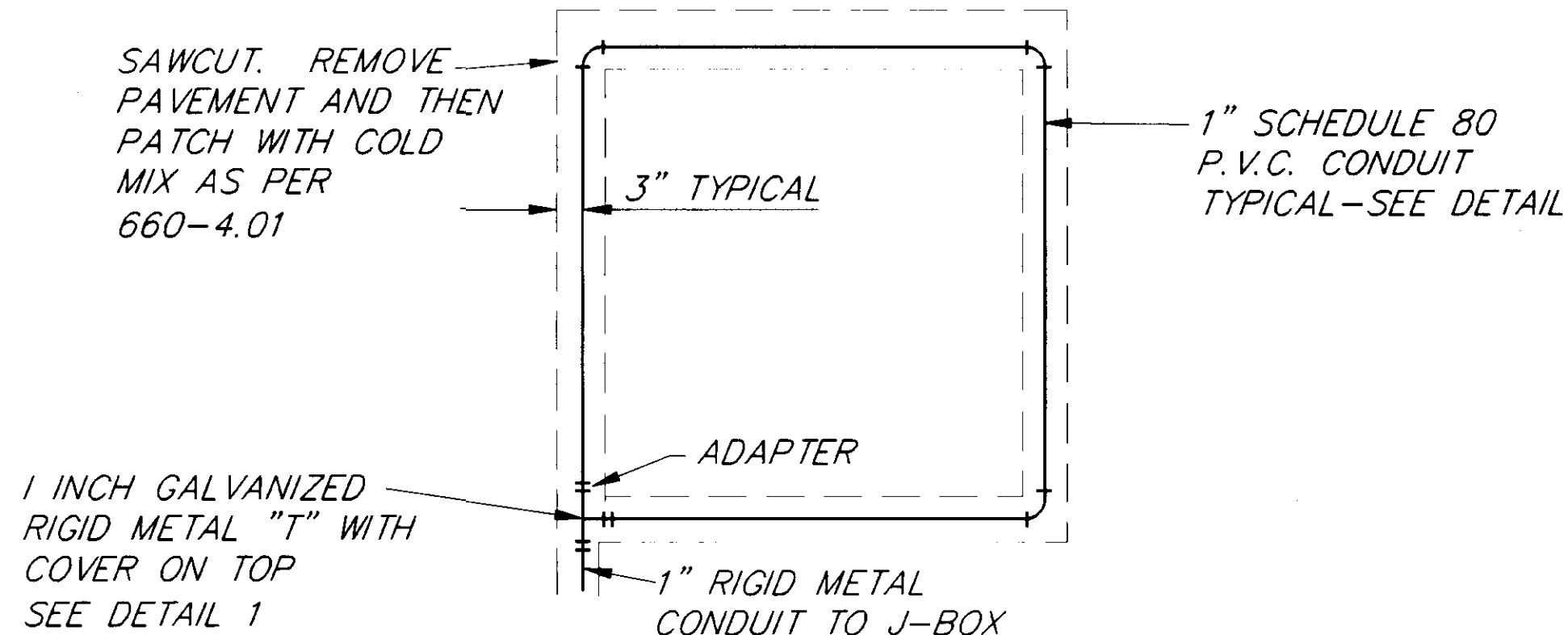
ALASKA
DESIGNED BY: JON AHLGREN
DRAWN BY: C. ANDERSON
CHECKED BY: R. PURVES
PROJECT NO. 71523
DATE: SEPT. 1994
SHEET 16 OF 20



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



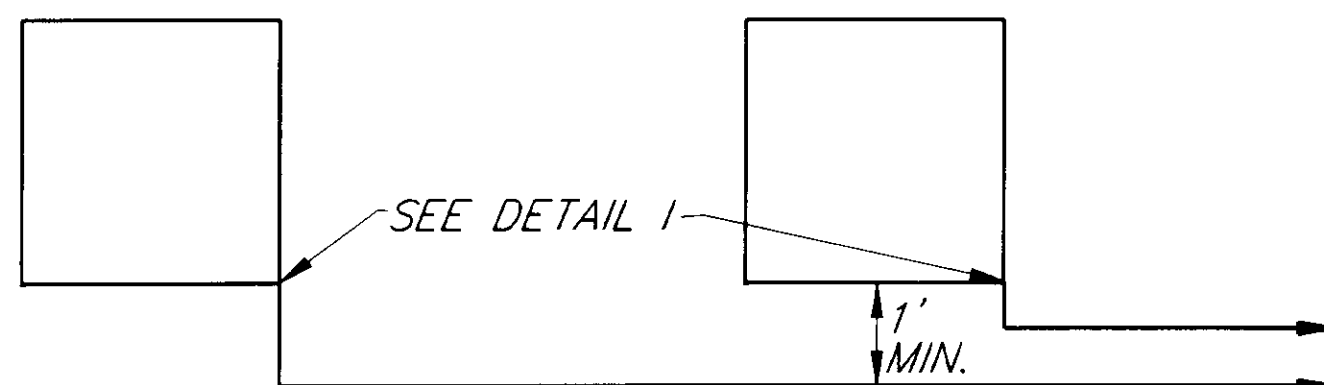
LOOP WIRING DETAIL



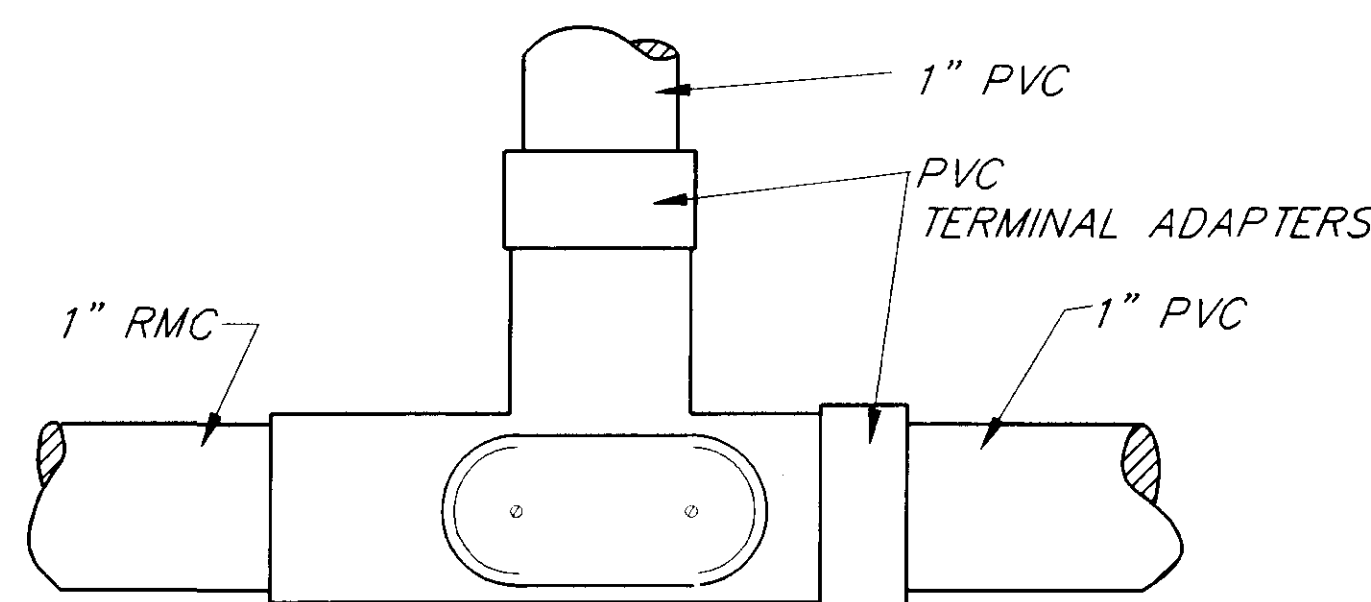
TYPICAL 6 FT. X 6 FT. LOOP DETECTOR DETAIL

GENERAL NOTES

1. UNLESS OTHERWISE NOTED, ALL NEW LOOPS SHALL BE PRE-FORMED IN NONMETALLIC CONDUIT. LOOP LEADS SHALL BE IN RIGID METAL CONDUIT.
2. UNLESS OTHERWISE NOTED, ALL NEW LOOPS SHALL BE INSTALLED UNDER THE PAVEMENT.
3. ALL NEW CONDUIT EXCEPT FOR THE LOOP DETECTORS SHALL BE RIGID METAL (RMC).
4. ALL NEW LOOPS SHALL BE CENTERED LATERALLY IN THEIR LANES.
5. ALL NEW 6 FT. X 6 FT. LOOPS SHALL BE CONSTRUCTED WITH FOUR TURNS OF WIRE EACH.
6. EC/DC=EXTEND CALL/DELAY CALL.
7. MULTIPLE PAIR LOOP LEAD-IN CABLE SHALL BE NO. 18 AWG AND AS SPECIFIED IN STANDARD SPECIFICATION 660-2.08, CONDUCTORS, 4TH PARAGRAPH, 3., "DETECTOR LOOPS AND LEAD-IN CABLES".
8. EXISTING CONDUITS MAY HAVE SILT IN THEM. THEY SHALL BE CLEANED OUT BEFORE ANY NEW CABLES ARE INSTALLED.
9. ALL JUNCTION BOXES THAT WILL BE AFFECTED BY THIS PROJECT SHALL BE CLEANED OF ACCUMULATED SILT TO EXPOSE THE COARSE CONCRETE AGGREGATE IN THE BOTTOM OF THE JUNCTION BOX.

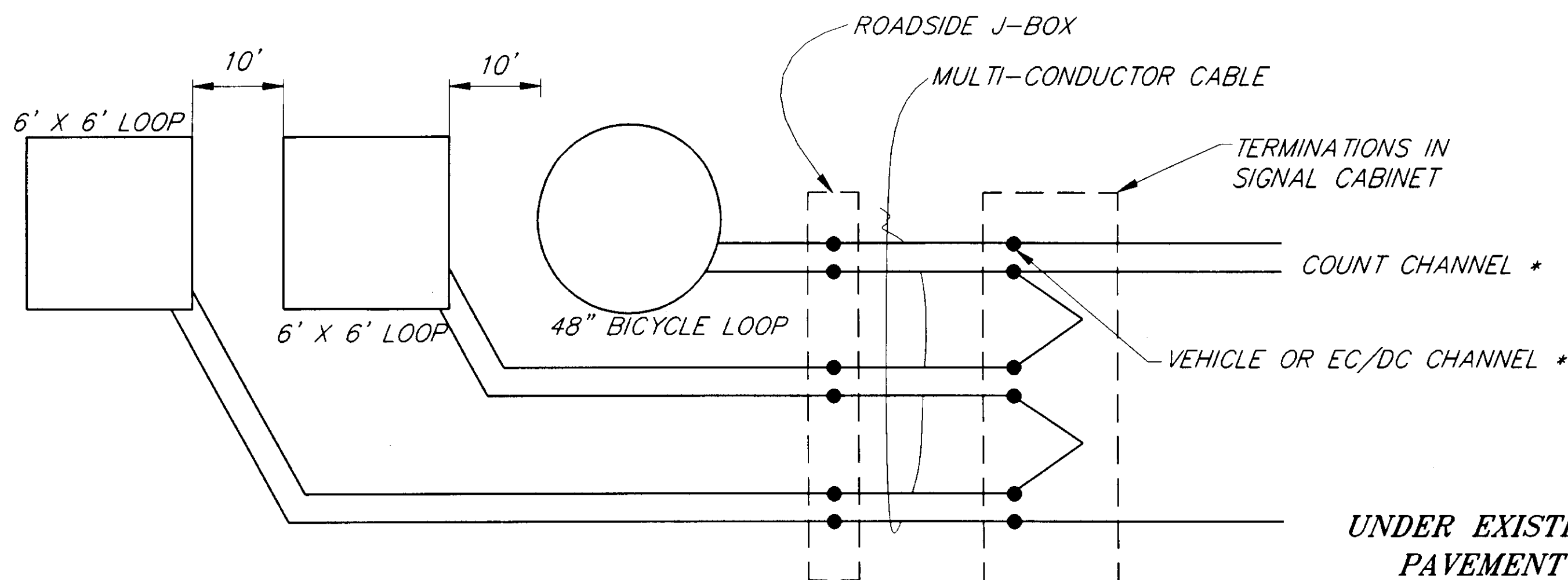


TYPICAL PLAN VIEW OF MULTIPLE LOOP INSTALLATION



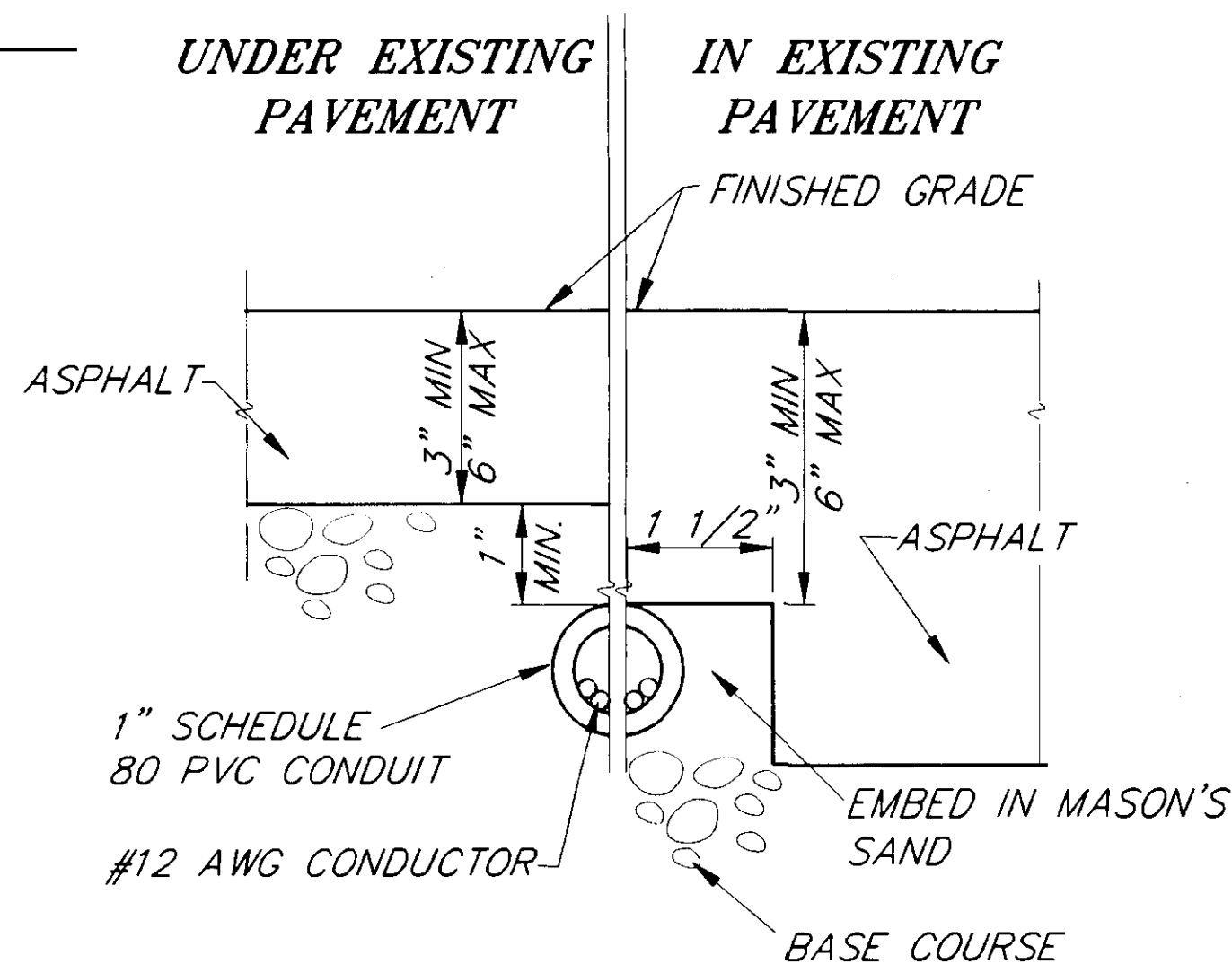
HOT DIPPED GALVANIZED METAL "T" CONDUIT OUTLET BODY WITH ACCESS SIDE UP

DETAIL 1

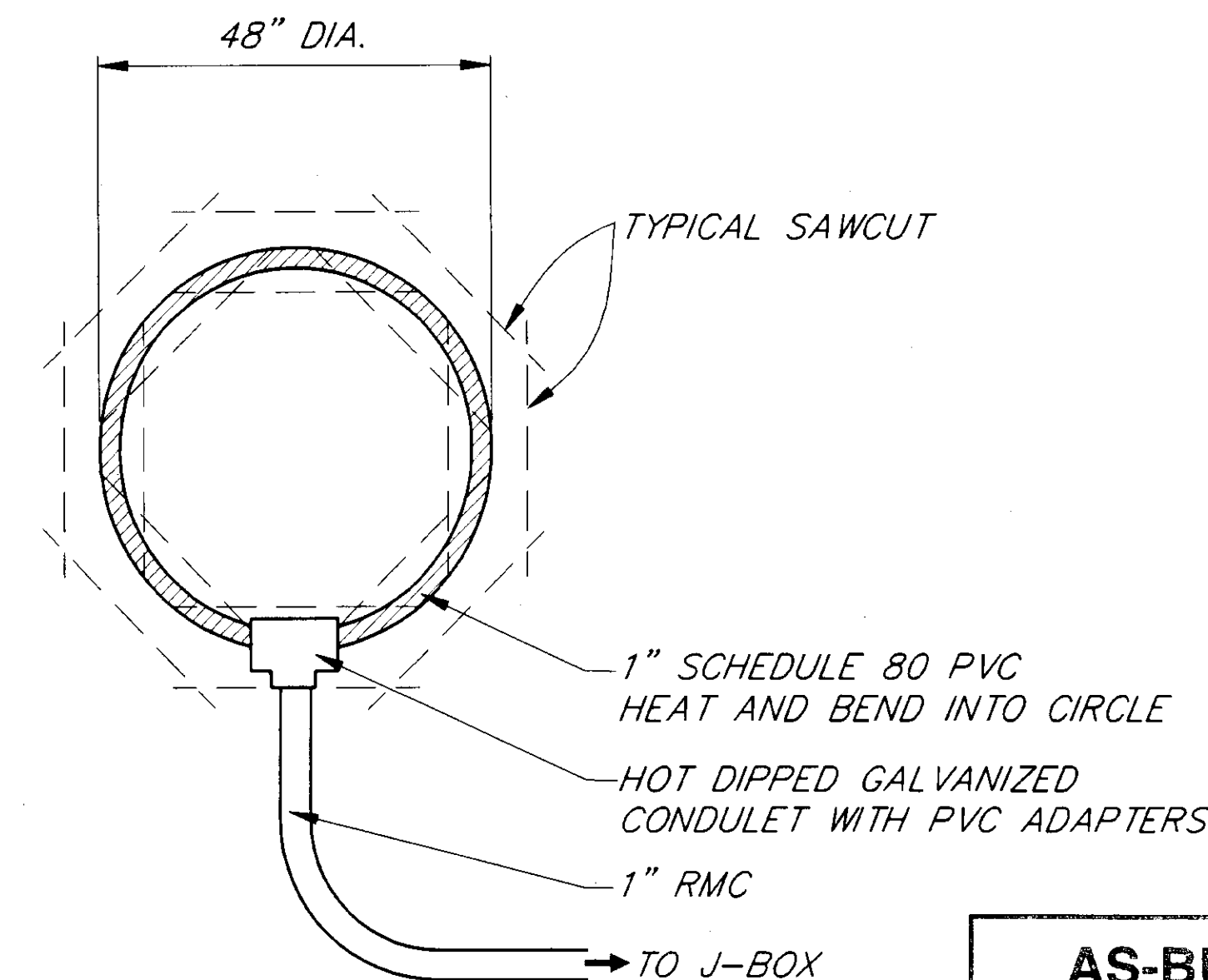


TYPICAL STOP LINE DETECTORS

* ALL LOOPS MUST BE ON SAME AMPLIFIER



LOOP CONDUIT INSTALLATION DETAIL



BICYCLE LOOP DETAILS

AS-BUILT

BY: B.A. DATE: 8-96

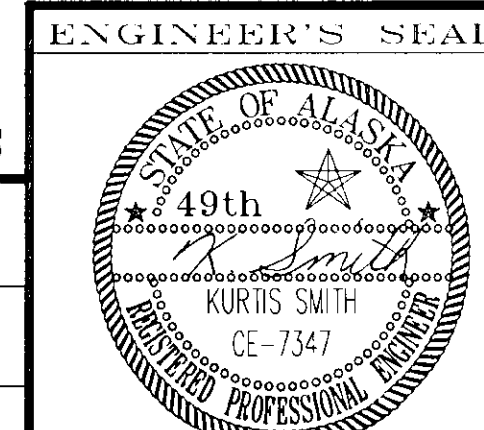
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

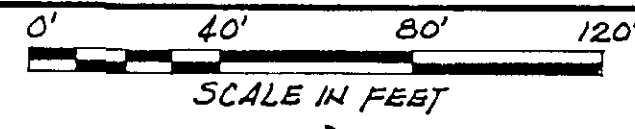
PATH:	P:\JUNO\MENPAVE\DR\DETAILS 1-1	
BY:	DATE:	DESCRIPTION OF CHANGE:

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

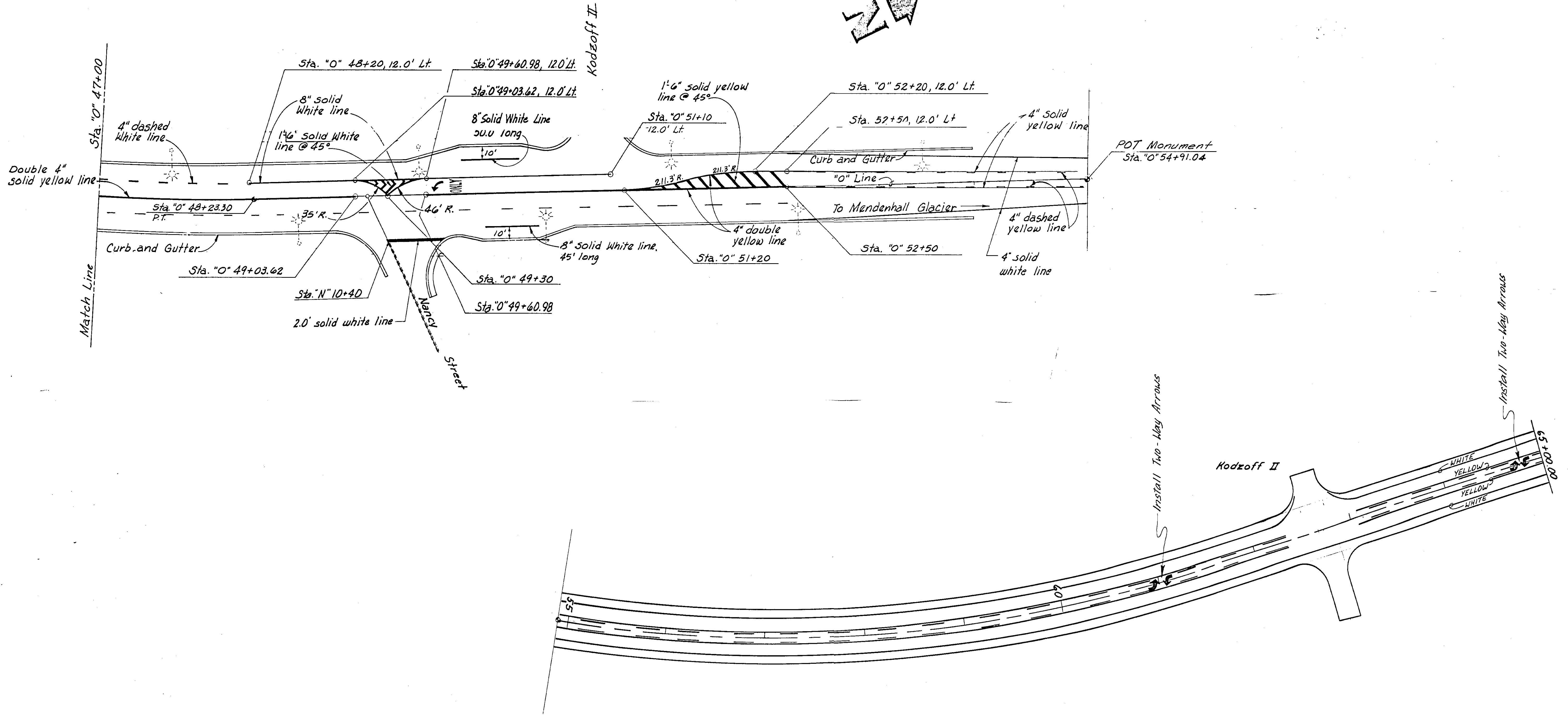
JUNEAU
 MENDENHALL LOOP ROAD
 PAVEMENT REHABILITATION
 PROJECT NO. STP-0966(18) 71523
 STUD WEAR RUTTING REPAIR

DESIGNED BY:	JON AHLGREN	PROJECT NO.	71523
DRAWN BY:	C. ANDERSON	DATE:	SEPT. 1994
CHECKED BY:			



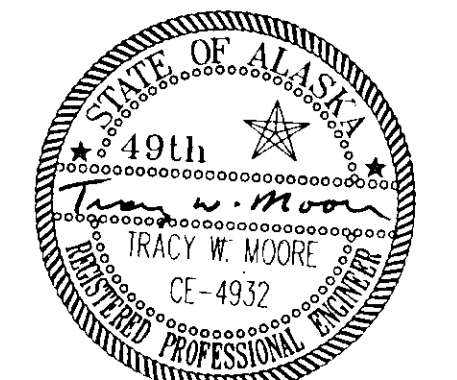


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0966(18)	94	19	20



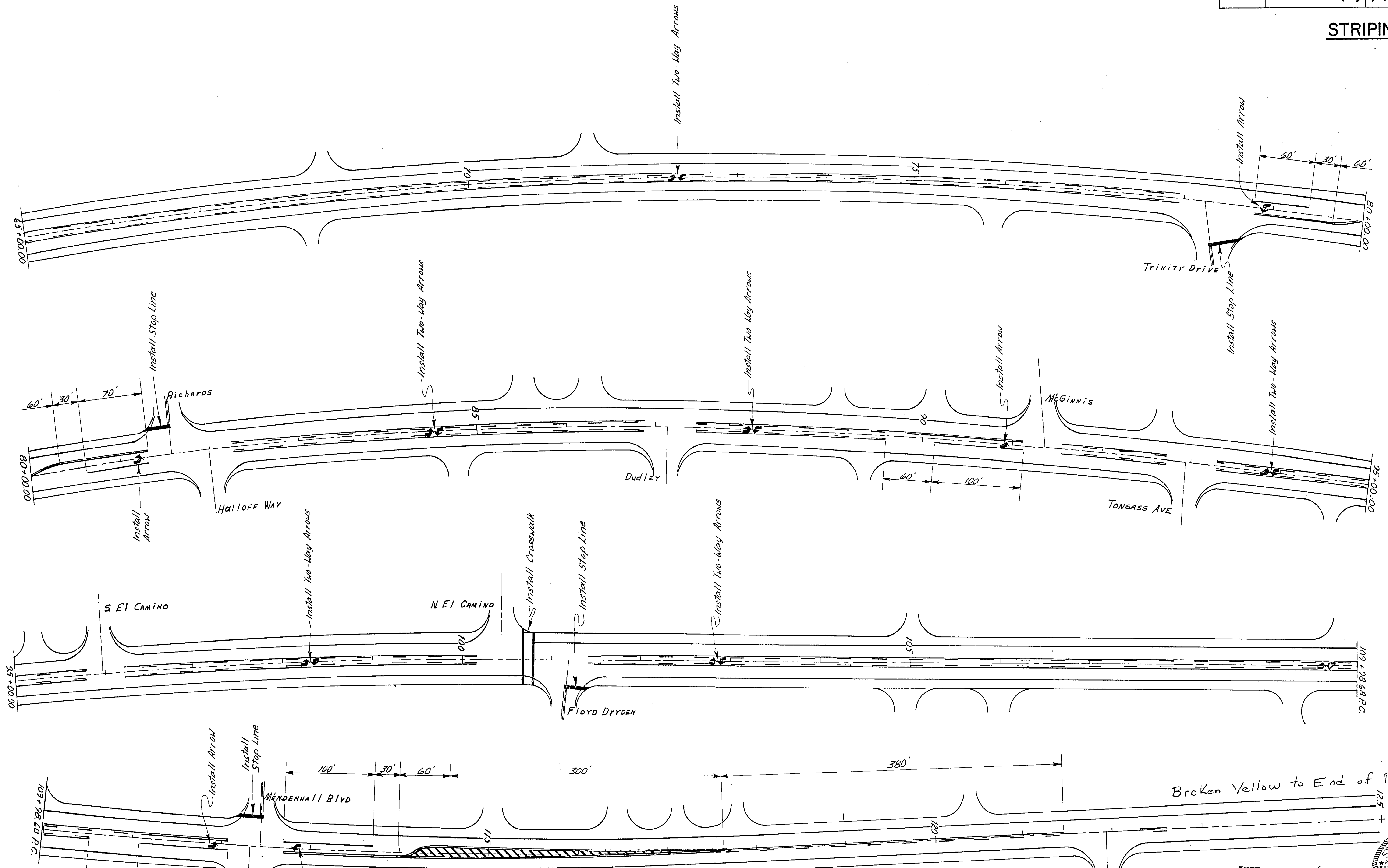
JUNEAU ALASKA
 MENDENHALL LOOP ROAD PAVEMENT REHABILITATION
 PROJECT NO. STP-0966(18)/71523
 STUD WEAR RUTTING REPAIR

AS-BUILT
 BY: _____ DATE: _____



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0966 (18)	94	20	20

STRIPING



Broken Yellow to End of Project

JUNEAU ALASKA
 MENDENHALL LOOP ROAD PAVEMENT REHABILITATION
 PROJECT NO. STP-0966(18)/71523

AS-BUILT
 BY: B.P.K. DATE: 8-96



Kimberly