

State of Alaska

Department of Transportation and Public Facilities

Southeast Region Design and Engineering Services Division

JUNEAU, ALASKA

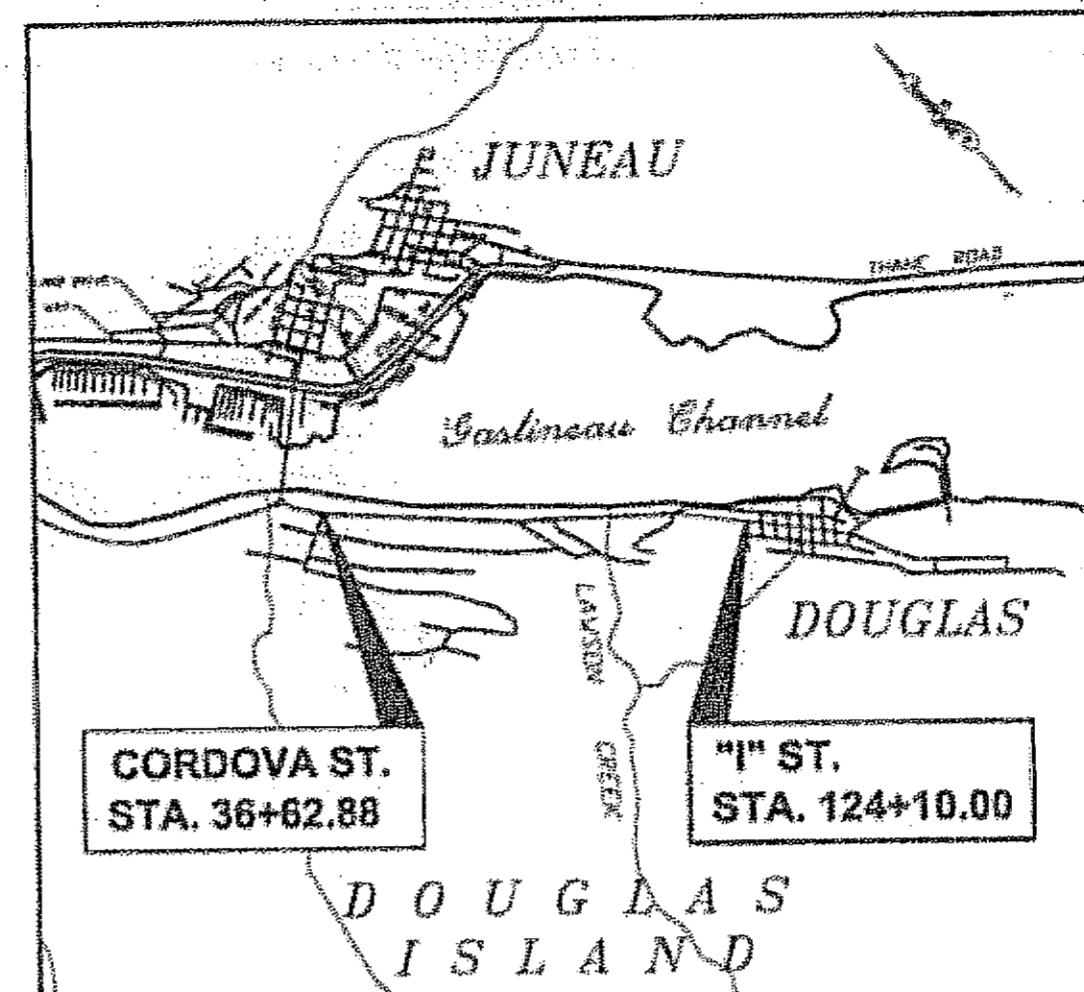
JNU-FFYO5 AREAWIDE PAVING PROJECT No. IM-000S(527) ~ 68342

JNU-TWIN LAKES DRIVE PAVEMENT REFURBISHMENT PROJECT No. IM-000S(481) ~ 67887

THE FOLLOWING STANDARD
DRAWINGS APPLY TO THIS
PROJECT:

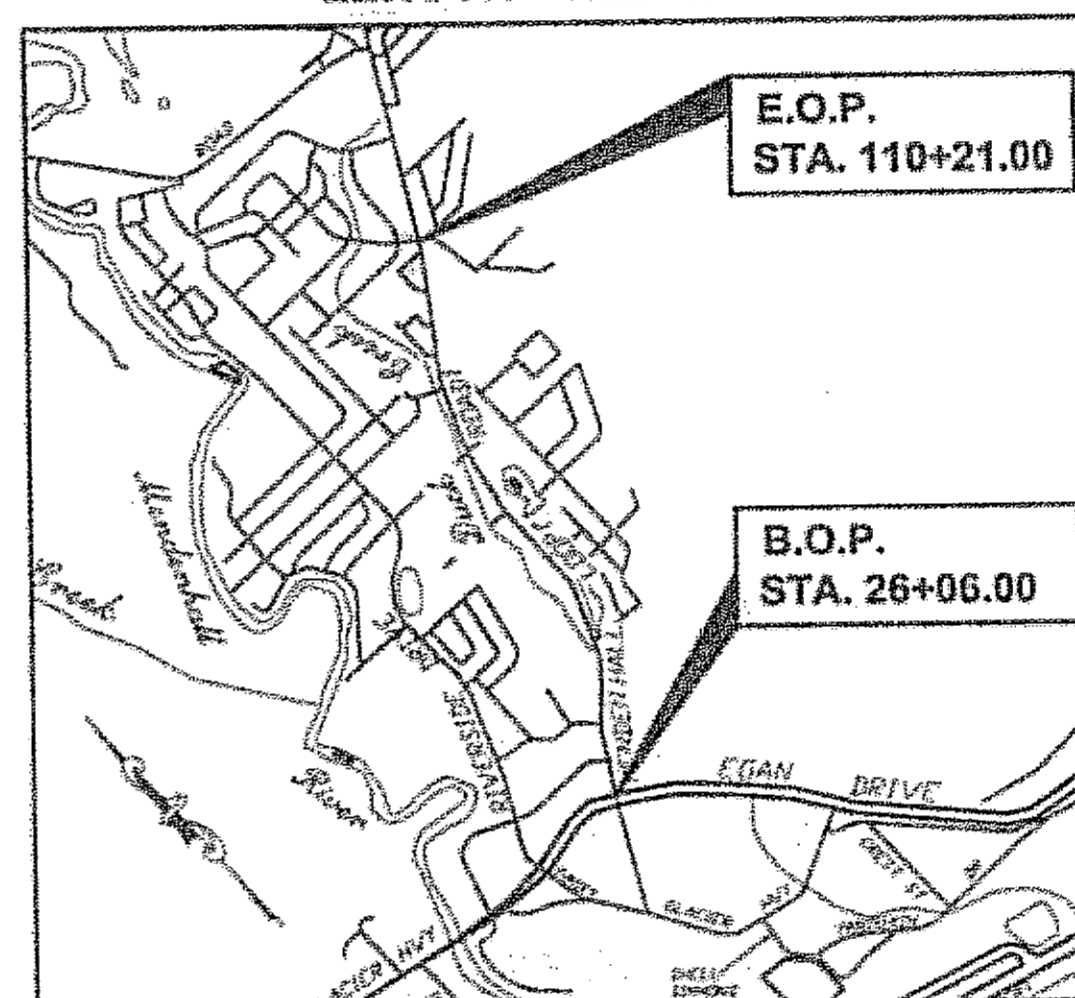
A-1	T-20.02
C-03.01	T-21.02
C-04.12	T-22.03
C-05.10	T-23.00
L-23.01	T-31.00
S-30.03	T-32.10
T-08.00	

DOUGLAS HIGHWAY-CORDOVA ST. TO "I" ST.
LENGTH= 1.66 MILES



VICINITY MAP

MENDENHALL LOOP RD.
EGAN DR. TO MENDENHALL BLVD.
LENGTH= 1.59 MILES



VICINITY MAP

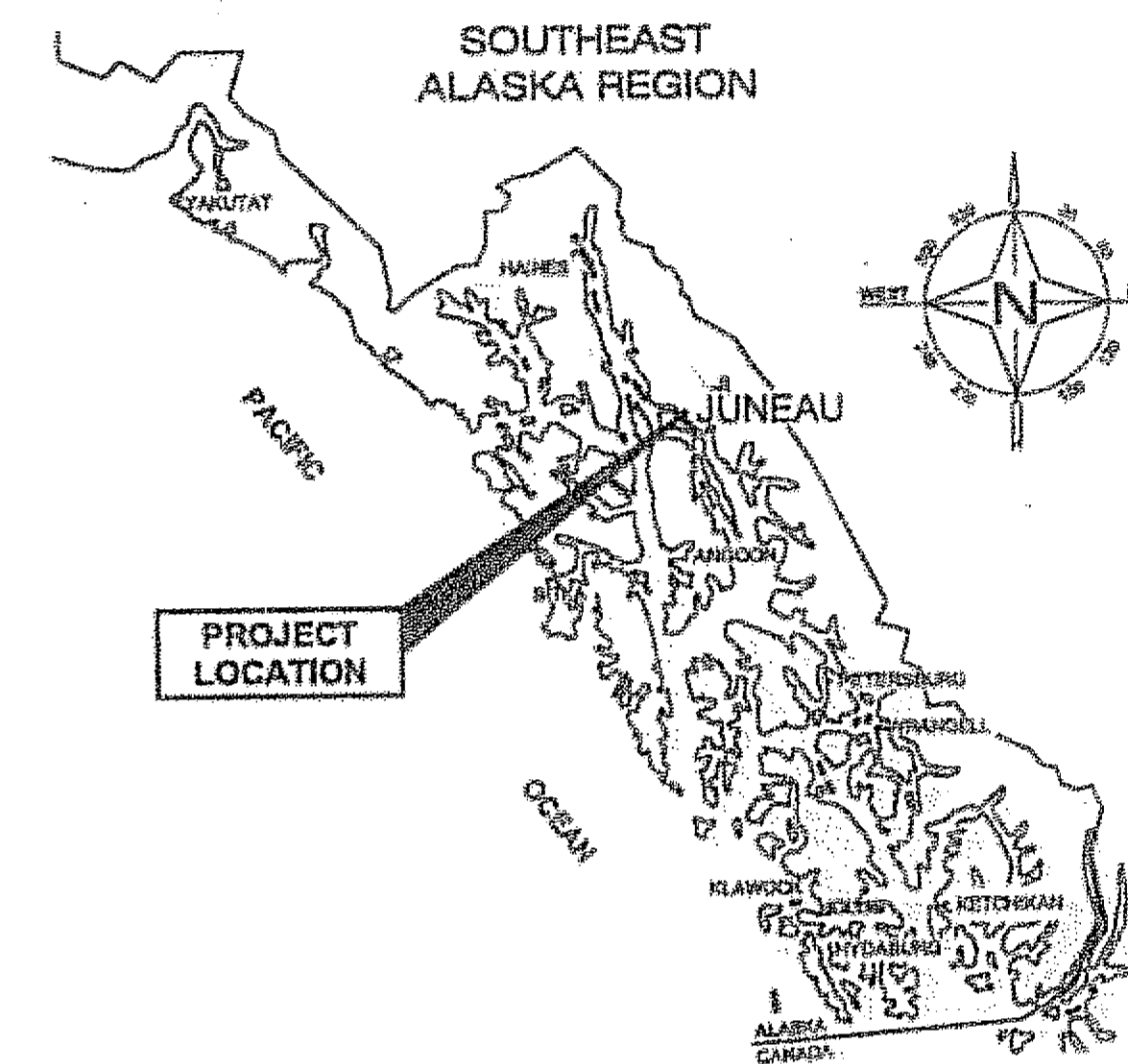
DESIGN DESIGNATION

	CORDOVA ST. - I ST.	EGAN DR.- MENDENHALL BLVD.	SUNNY PT. ACCESS TO YANDUKIN	BROTHERHOOD BRIDGE	VINTAGE BLVD. - DIVISION ST.	TWIN LAKES DR. - ALL
A.D.T. 2006	= 8,810	22,830	3,890	16,140	10,950	4,860
A.D.T. 2016	= 9,730	25,220	4,300	17,830	12,100	5,370
D.H.V. 2026	= 1,290	3,340	570	2,360	1,700	750
% T	= 2.5%	4.8%	4.3%	4.3%	1.2%	3.9%
V	= 40 MPH	40 MPH	45 MPH	50 MPH	35 MPH	40 MPH
E.A.L.	= 700,000	2,050,000	300,000	2,600,000	550,000	650,000

AS-BUILT DRAWINGS

CONTRACTOR: SECON
PROJECT ENGINEER: THAD HOPPER
BEGIN DATE: MAY 12, 2006
END DATE: OCTOBER 10, 2006

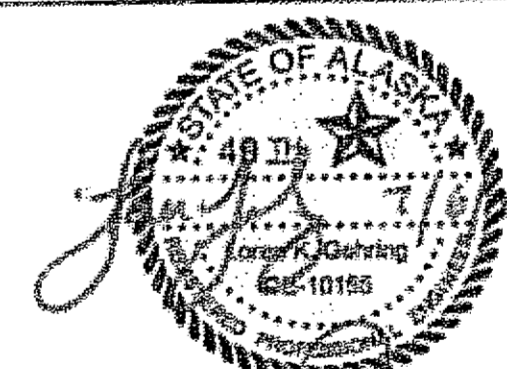
INDEX	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
C1	ESTIMATE OF QUANTITIES
F1-F2	DOUGLAS HWY-CORDOVA ST. TO "I" ST.
F3-F4	MENDENHALL LOOP RD.-EGAN DR. TO MENDENHALL BLVD.
F5-F6	GLACIER HWY. (LEMON RD.)-SUNNY PT. TO YANDUKIN DR.
F7-F8	BROTHERHOOD BRIDGE
F9-F11	RIVERSIDE DRIVE-EGAN DRIVE TO DIVISION STREET
F12	TWIN LAKES DRIVE
J1	RECESSED PAVEMENT MARKER DETAILS
P1-P3	STRIPING PLANS
Q1-Q8	LOOP DETECTOR DETAILS
Q9-Q12	LIGHTED CROSSWALK DETAILS
S1-S4	TRAFFIC CONTROL PLANS



PATH: G:\jnu\68342\planset\A1_Tsht.dwg
Wed, 6/April/05 11:27AM

PLOT: PSPACE OR MSPACE: 1=1(F)

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



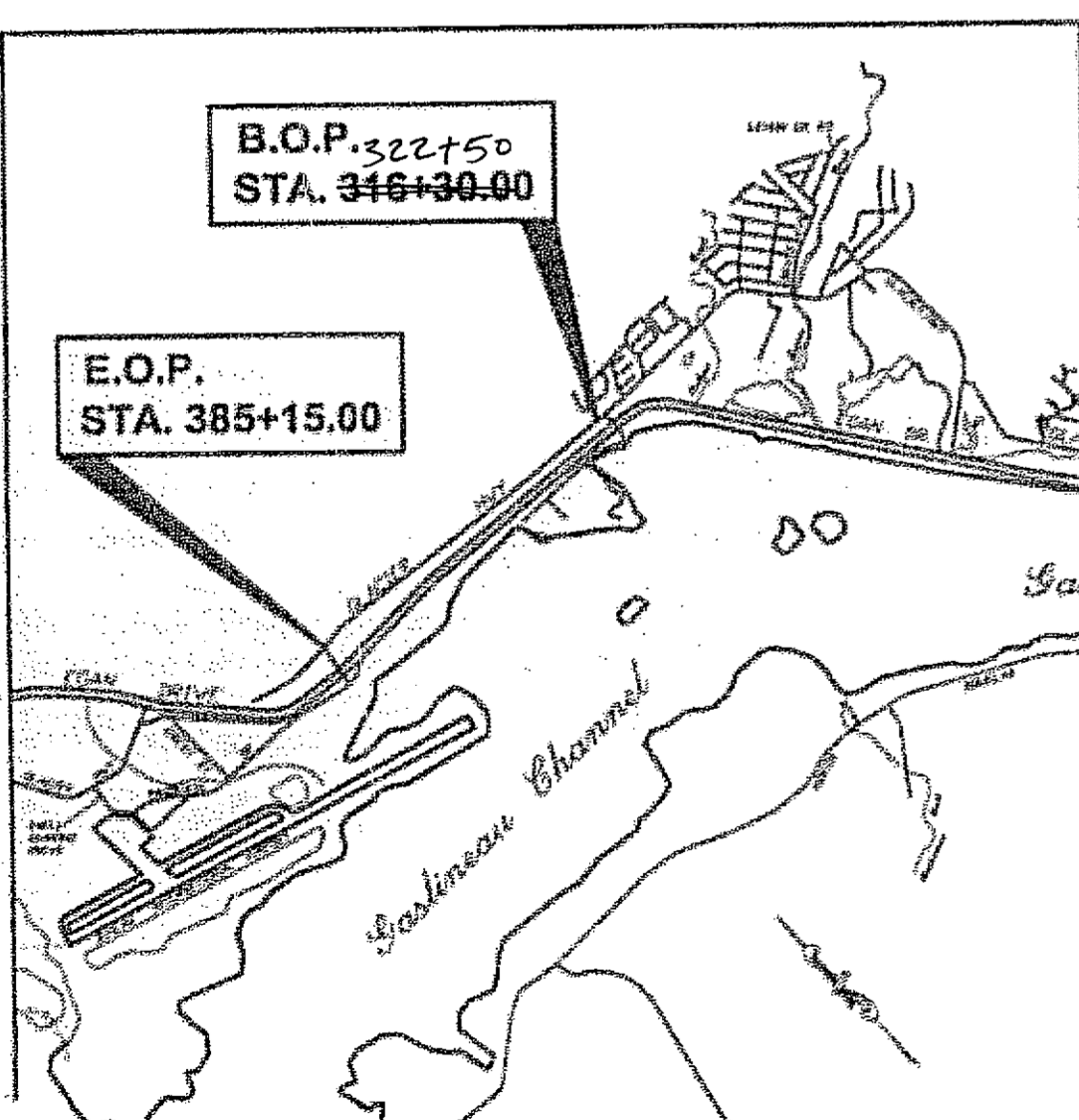
APPROVED: *[Signature]* 7/6/05 DATE
REGIONAL PRE-CONSTRUCTION ENGINEER
PATRICK J. KEMP, P.E.

APPROVED: *[Signature]* 7/6/05 DATE
DIRECTOR, SOUTHEAST REGION
MALCOLM A. MENZIES, P.E.

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD
CONDITION:

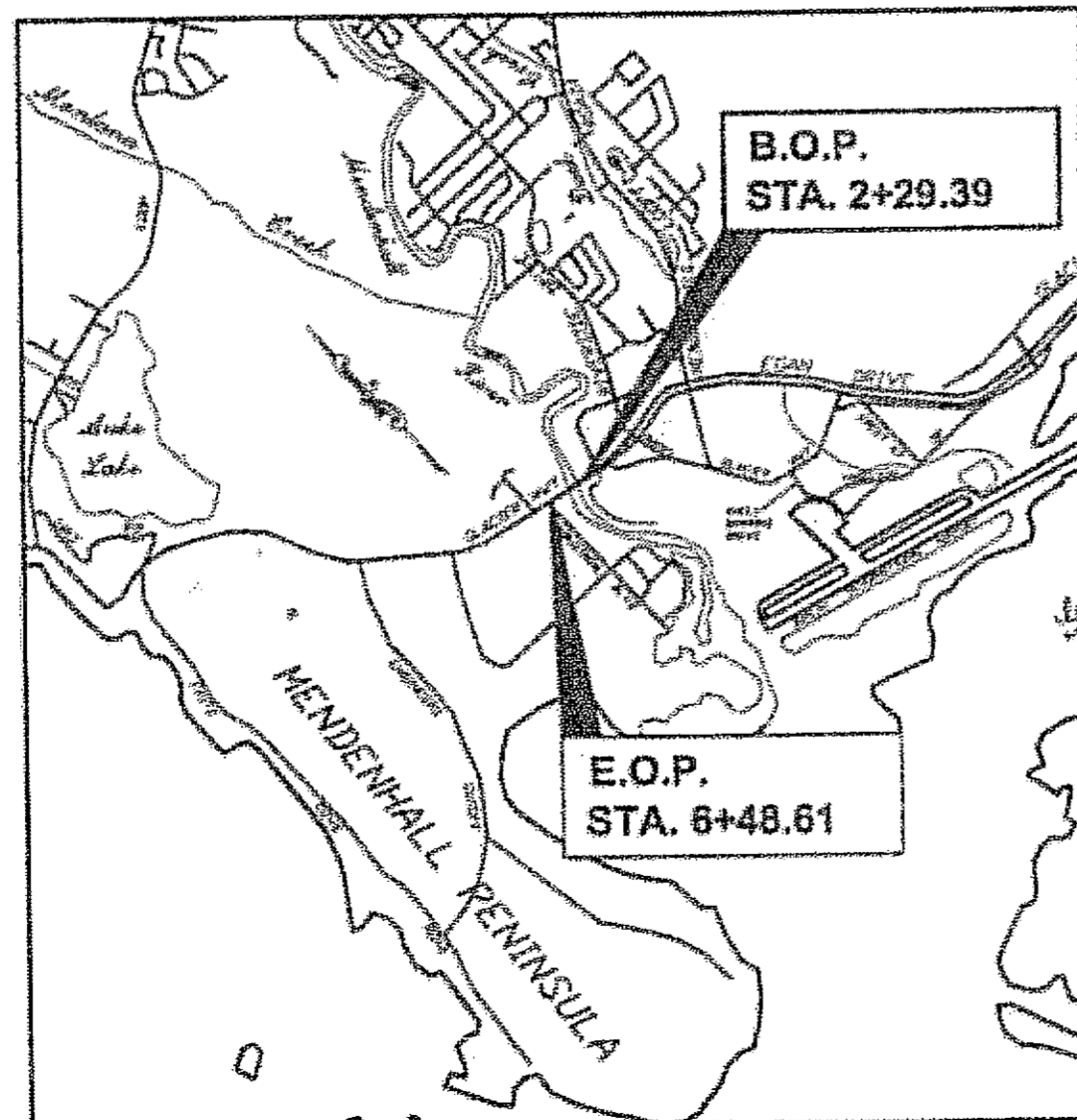
[Signature] 1/17/07 DATE
CONSTRUCTION PROJECT MANAGER

GLACIER HIGHWAY (LEMON RD.)
SUNNY PT. ACCESS RD. TO YANDUKIN DR.
LENGTH= 1.33 MILES



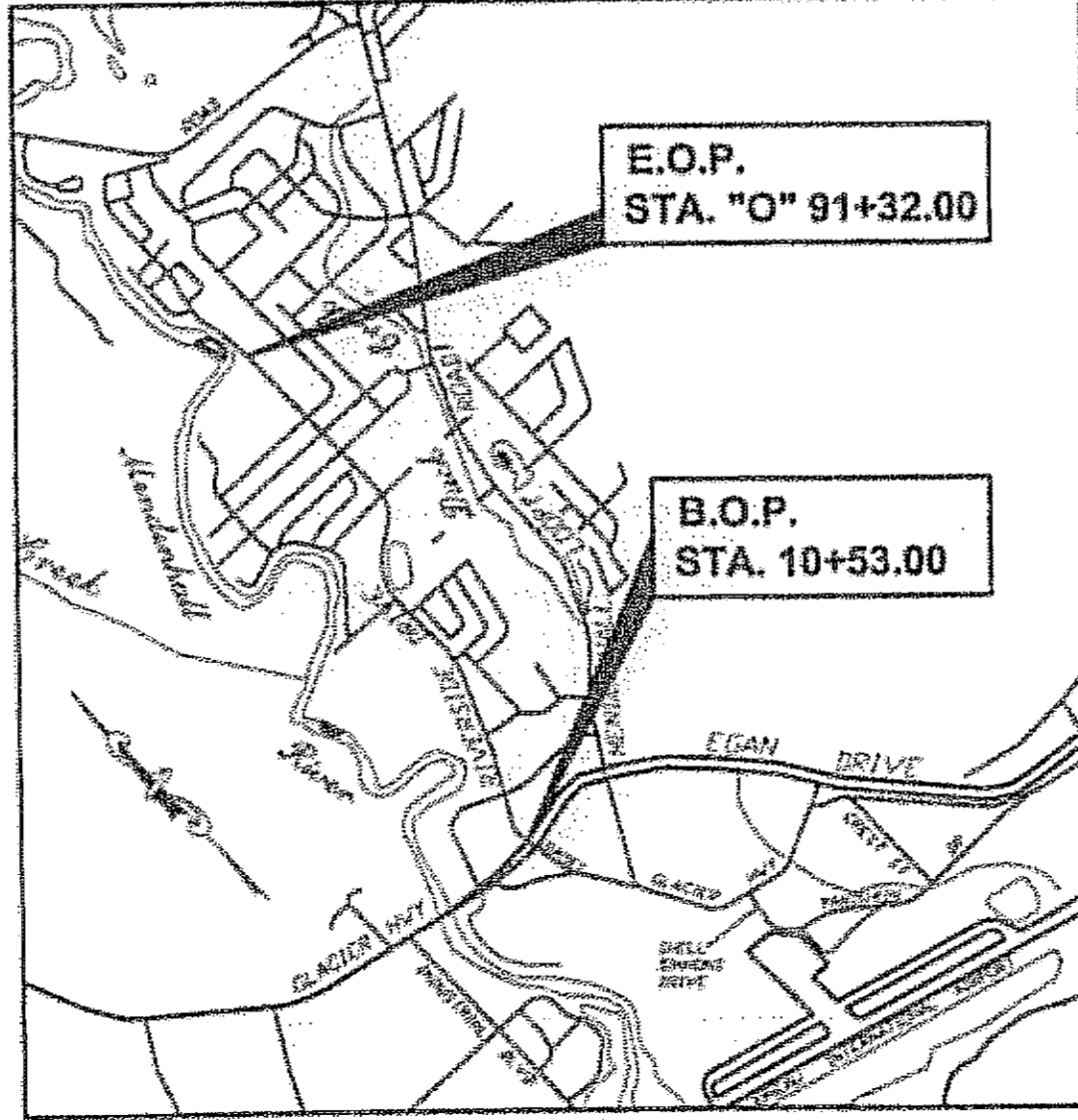
VICINITY MAP

BROTHERHOOD BRIDGE
LENGTH= 0.07 MILES



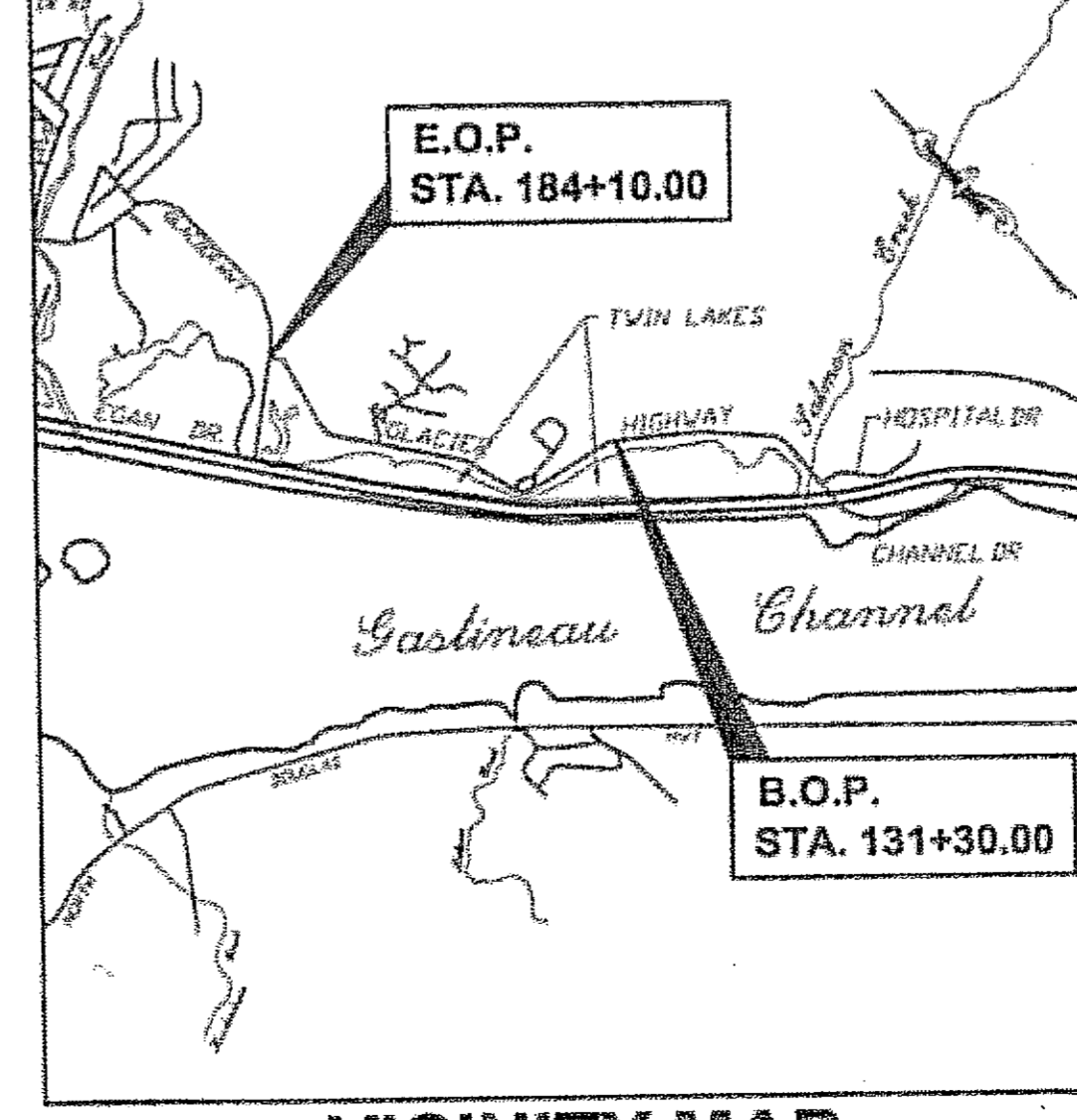
VICINITY MAP

RIVERSIDE DRIVE AT
VINTAGE/MALL ROAD
LENGTH= 1.53 MILES



VICINITY MAP

TWIN LAKES DRIVE
LENGTH= 1.00 MILES



VICINITY MAP

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	IM-000S(527)\68342	2005	A1	34

ESTIMATE OF QUANTITIES

ITEM	PAY ITEM	UNIT	UNIT PRICE	DOUGLAS HWY.	MENDENHALL LOOP RD.	GLACIER HWY.	BROTHERHOOD BRIDGE	RIVERSIDE DRIVE	TWIN LAKES DRIVE (67997)	TOTAL QTY.
401(1)	ASPHALT CONCRETE, SP, TYPE B	TON	\$70	2662.48 25847	3067 3180.12	2657.53 2448	3044 154 271.30	3012.40 3005	1678.83 1540	13482.86 13341
401(2)	ASPHALT CEMENT, PG 64-28	TON	\$450	159	220	129	10	180	91	789
401(3)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	-	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	\$600	6.3	8.7	5.1	0.4	7.1	3.6	34.52 34
408(1)	PAVEMENT COLD PLANING	SQUARE YARD	\$4.50	2240.22 2025	2644.83 340	1447.5 18360	1395.3 1397	26073.1 25098	13075.5 12910	10622.4 112317
604(4)	ADJUST EXISTING MANHOLE	EACH	\$600	3	1	13	0	13	0	30 30
627(10)	ADJUSTMENT OF VALVE BOX	EACH	\$300	22 22 5	0	3	0	15	0	40 40
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641(1)	EROSION AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641(2)	TEMPORARY EROSION AND POLLUTION CONTROL	CONTINGENT SUM	-	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642(11)	ADJUST EXISTING MONUMENT CASES	EACH	\$250	13	0	9	0	4	0	26 26
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643(3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643(15)	FLAGGING	CONTINGENT SUM	-	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643(25)	TRAFFIC CONTROL	CONTINGENT SUM	-	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
660(11)	TRAFFIC LOOP	EACH	\$1,500	0	33	0	0	26	0	59 59
660(15)	CROSSWALK LUMINATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	-	-	-	-	-	ALL REQUIRED
670(1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
670(8)	RECESSED PAVEMENT MARKINGS	EACH	\$18	207 110	475 470	224 108	10 0	141 227	83 432	912 1276
*670(10)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED

#68881
Misc. patching = 181.53, City Job = 38.3
+ City Job = 93.3
+ City Job = 2
+ City Job = 3

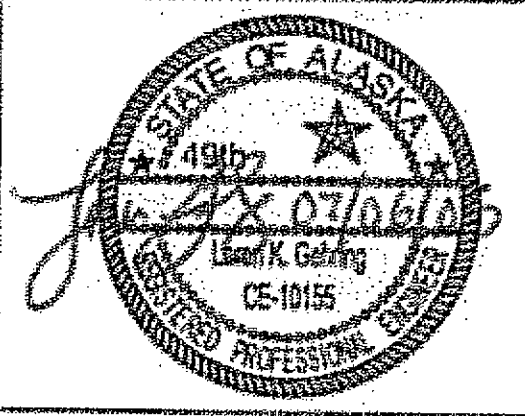
* NOTE:
USE METHYL METHACRYLATE PAVEMENT MARKINGS FOR ALL 4" YELLOW CENTERLINE STRIPING,
8" WHITE LANE SEPARATION STRIPING AND 24" CROSSWALK STRIPING.

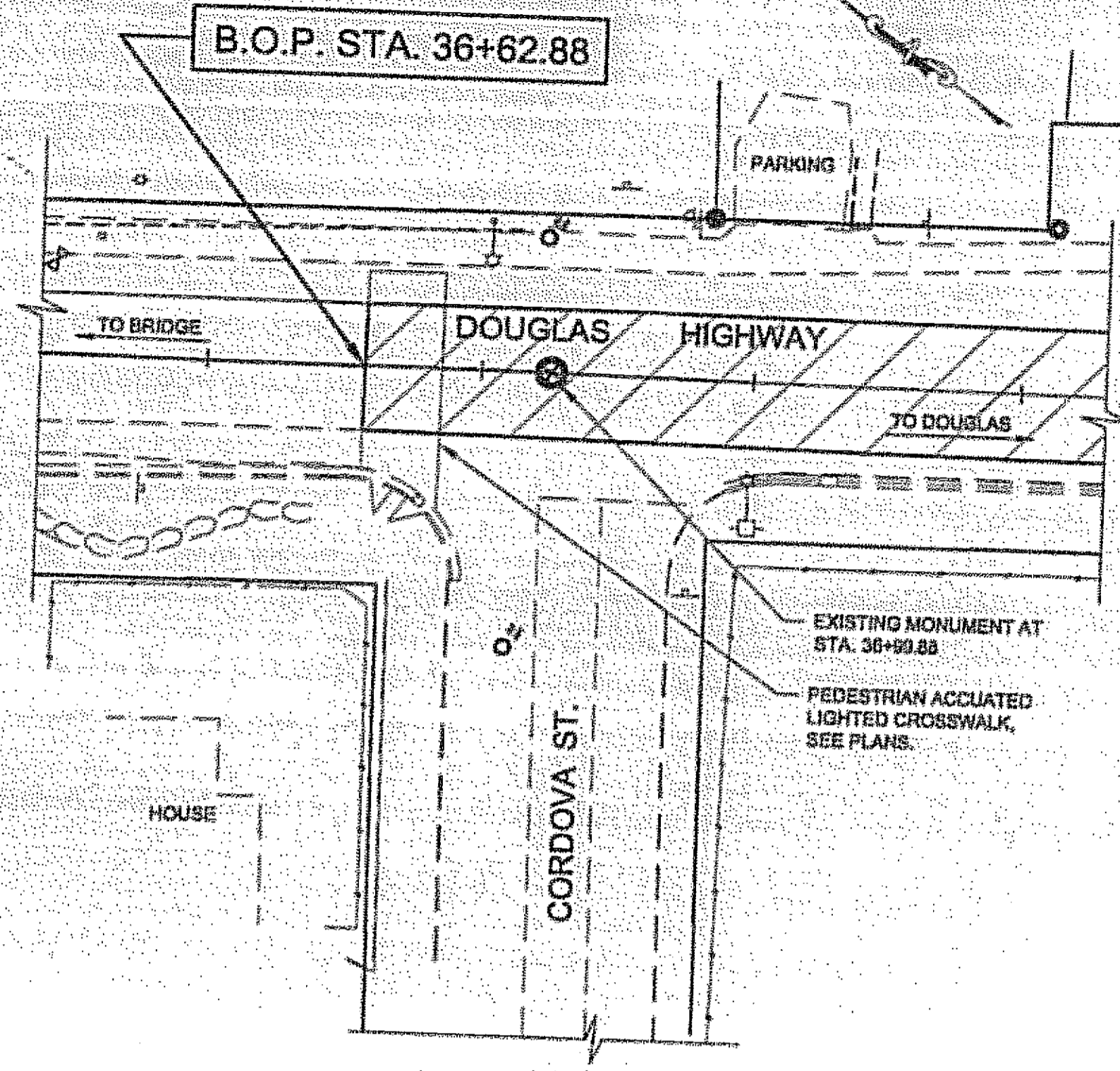
BASIS OF ESTIMATE		
ITEM NO.	PAY ITEM	ESTIMATING FACTOR
401(1)	ASPHALT CONCRETE, SP, TYPE B	117 LBS/SQ.YD./INCH DEPTH
401(2)	ASPHALT CEMENT, PG-64-28	6% OF ITEM 401(1)
402(1)	STE-1 ASPHALT FOR TACK COAT	0.07 GAL./SQ.YD., 253 GAL./TON @ 60°C

GENERAL NOTES:

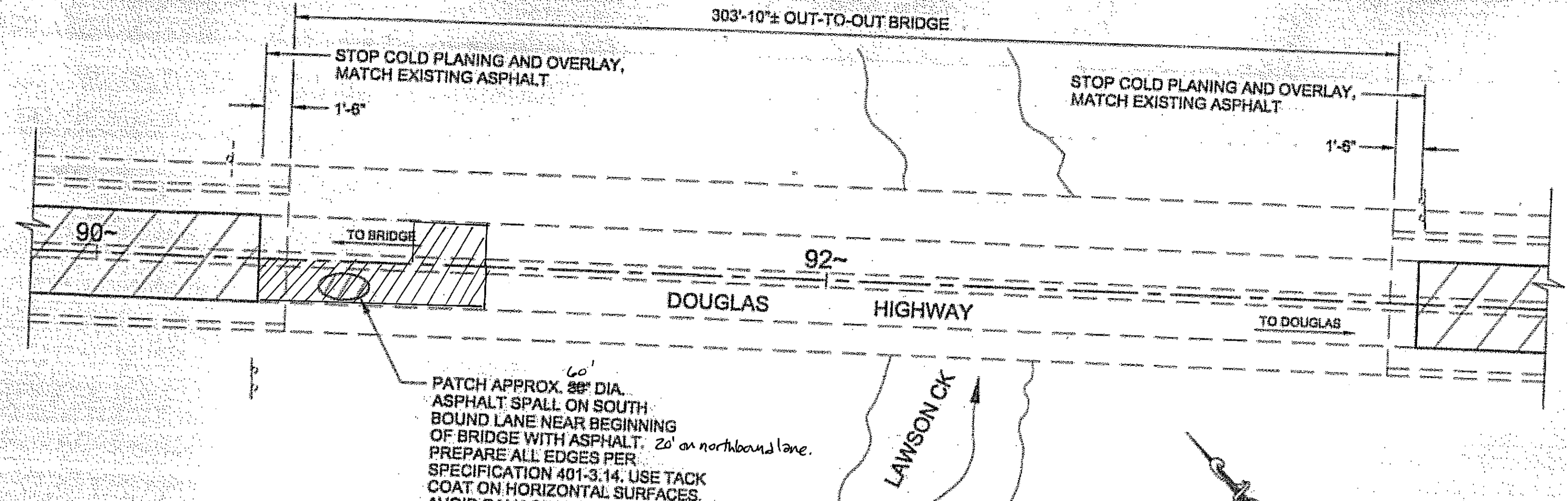
1. GRADES AND ALIGNMENTS SHOWN ON PLANS ARE APPROXIMATE.
2. THE LOCATIONS OF PROPOSED IMPROVEMENTS ARE SUBJECT TO MINOR FIELD REVISIONS BY THE PROJECT ENGINEER.
3. EXCEPT FOR WHAT IS DETAILED ON THE STRIPING SHEETS, REPLACE ALL STRIPING, RECESSED PAVEMENT MARKERS AND NO PASSING GROOVES REMOVED DURING ASPHALT REMOVAL TO MATCH EXISTING. SEE 'TYPICAL SECTIONS' FOR STRIPING TO REMAIN. CONTRACTOR IS RESPONSIBLE FOR RECORDING EXISTING CONFIGURATION. PROVIDE ADOT & PF TRAFFIC SECTION THE MARKING LAYOUT ONE WEEK PRIOR TO FINAL STRIPING FOR REVIEW AND APPROVAL.
4. SEE SPECIAL PROVISION 108-1.04 FOR LIMITATIONS OF OPERATION.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

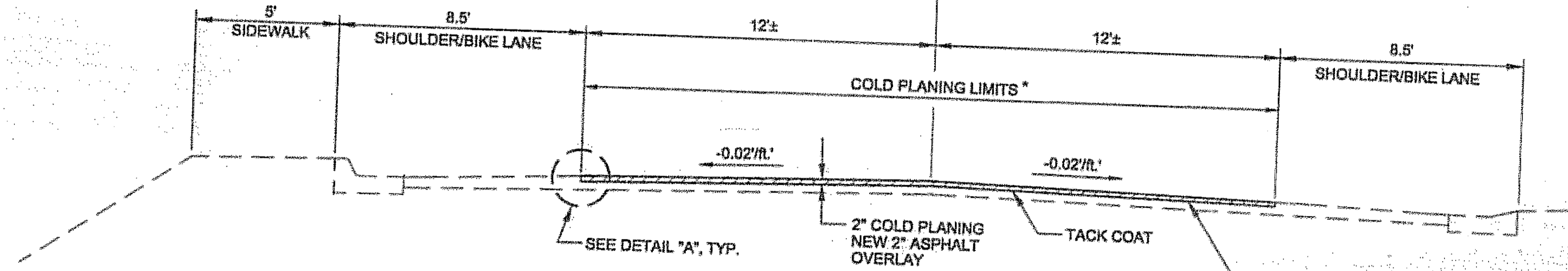
<p>CHECKED BY: D. STEVENS</p>  <p>DESIGNED BY: L. GEHRING DRAWN BY: L. GEHRING PATH: Q:\m\68342\Plans\RD_Sums.dwg TAB: C1 Wed, 08/14/05 01:06PM dstevens</p>	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION</p> <p>JNU-FFYO5 AREA WIDE PAVING PROJECT NO. 68342</p> <p>ESTIMATE OF QUANTITIES</p>														
<p>PROJECT AS-BUILT DRAWINGS HAVE BEEN REVIEWED BY THE PROJECT ENGINEER AND REPRESENT TO THE BEST OF MY KNOWLEDGE, THE PROJECT AS CONSTRUCTED. PE: <u> </u> Date: <u>3/14/07</u></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>IM-00S(527)68342</td> <td>2005</td> <td>C1</td> <td>34</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS				IM-00S(527)68342	2005	C1	34
NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS									
			IM-00S(527)68342	2005	C1	34									



**CORDOVA STREET
B.O.P. PLAN VIEW**
NOT TO SCALE



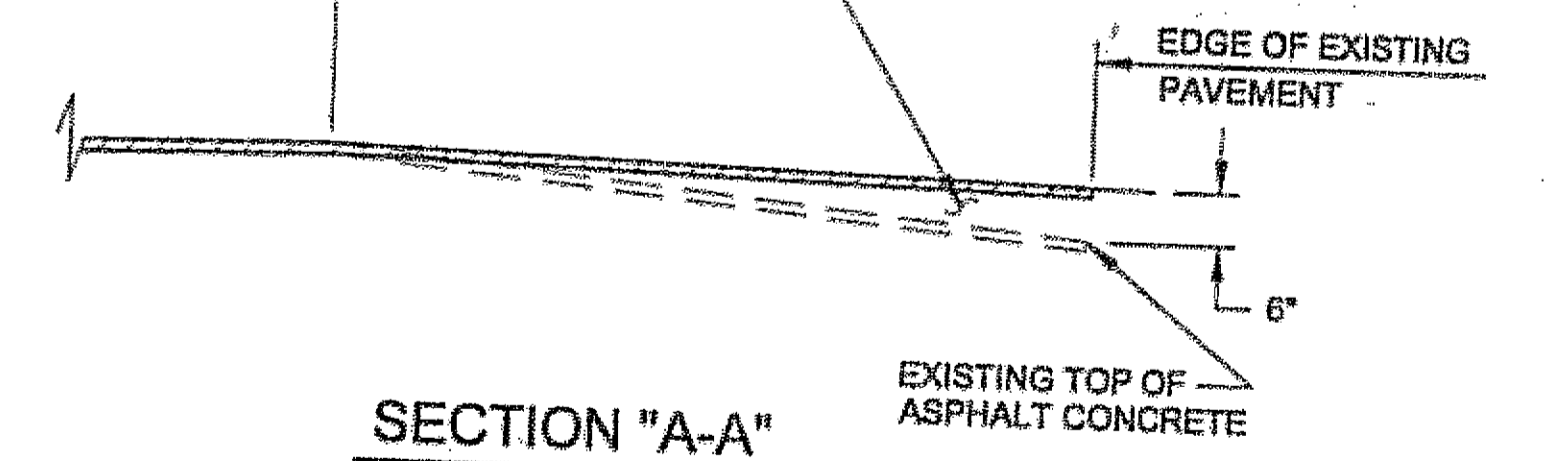
**LAWSON CREEK
PLAN VIEW**
NOT TO SCALE



TYPICAL SECTION
NOT TO SCALE

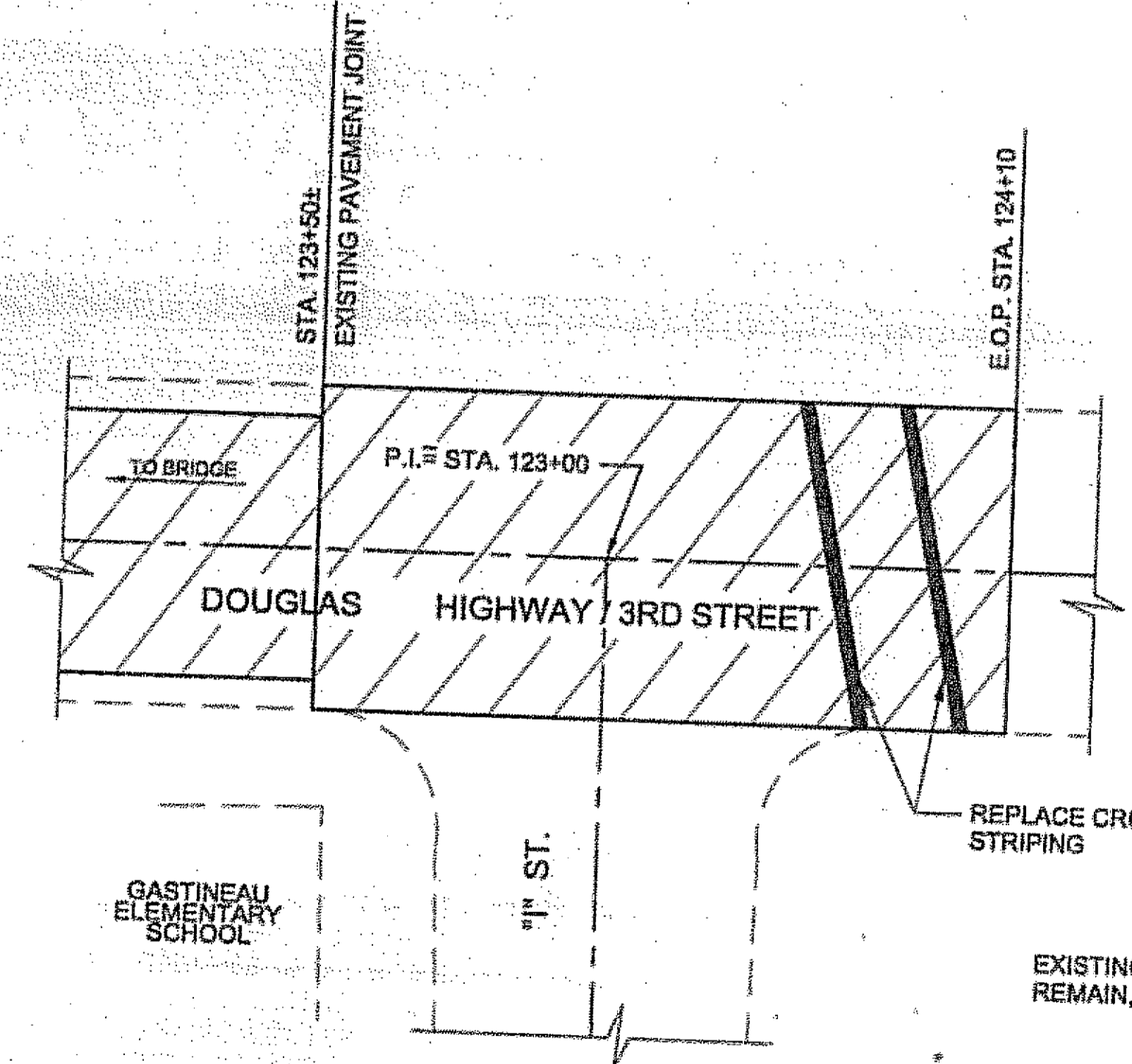
* COLD PLANE LIMITS EXTEND TO FULL WIDTH (GUTTER TO GUTTER, -41') FROM STA. 123+50 TO STA. 124+00.

REMOVE EXISTING ASPHALT TO SUBBASE FOR LIMITS OF DEPRESSION, COMPACT AND FILL DEPRESSION WITH ASPHALT PAVEMENT TO MATCH ORIGINAL GRADE, COMPACTING SUBBASE INCIDENTAL TO 401(1).

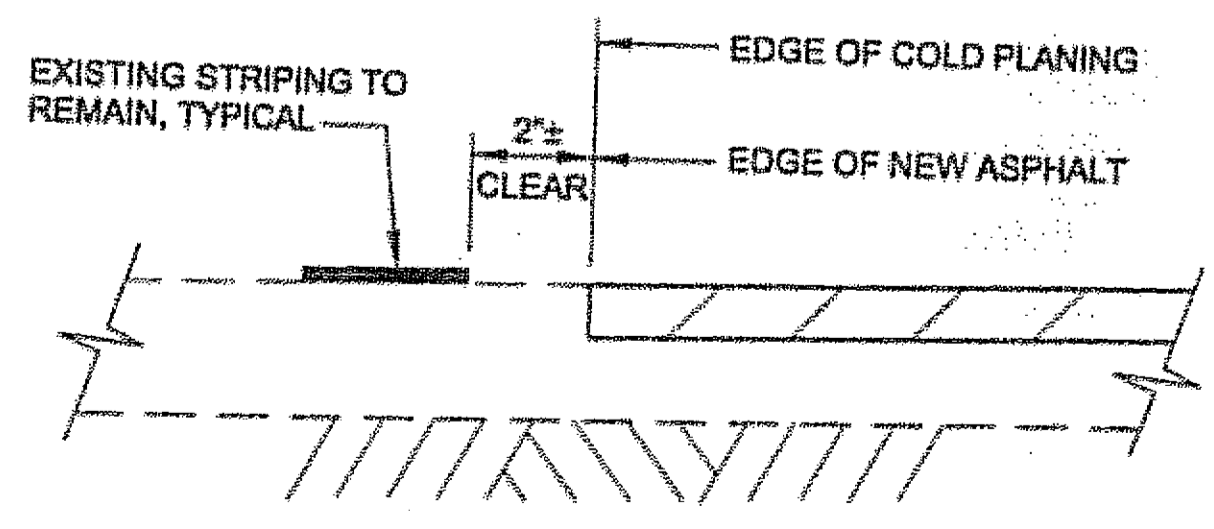


SECTION "A-A"
NOT TO SCALE

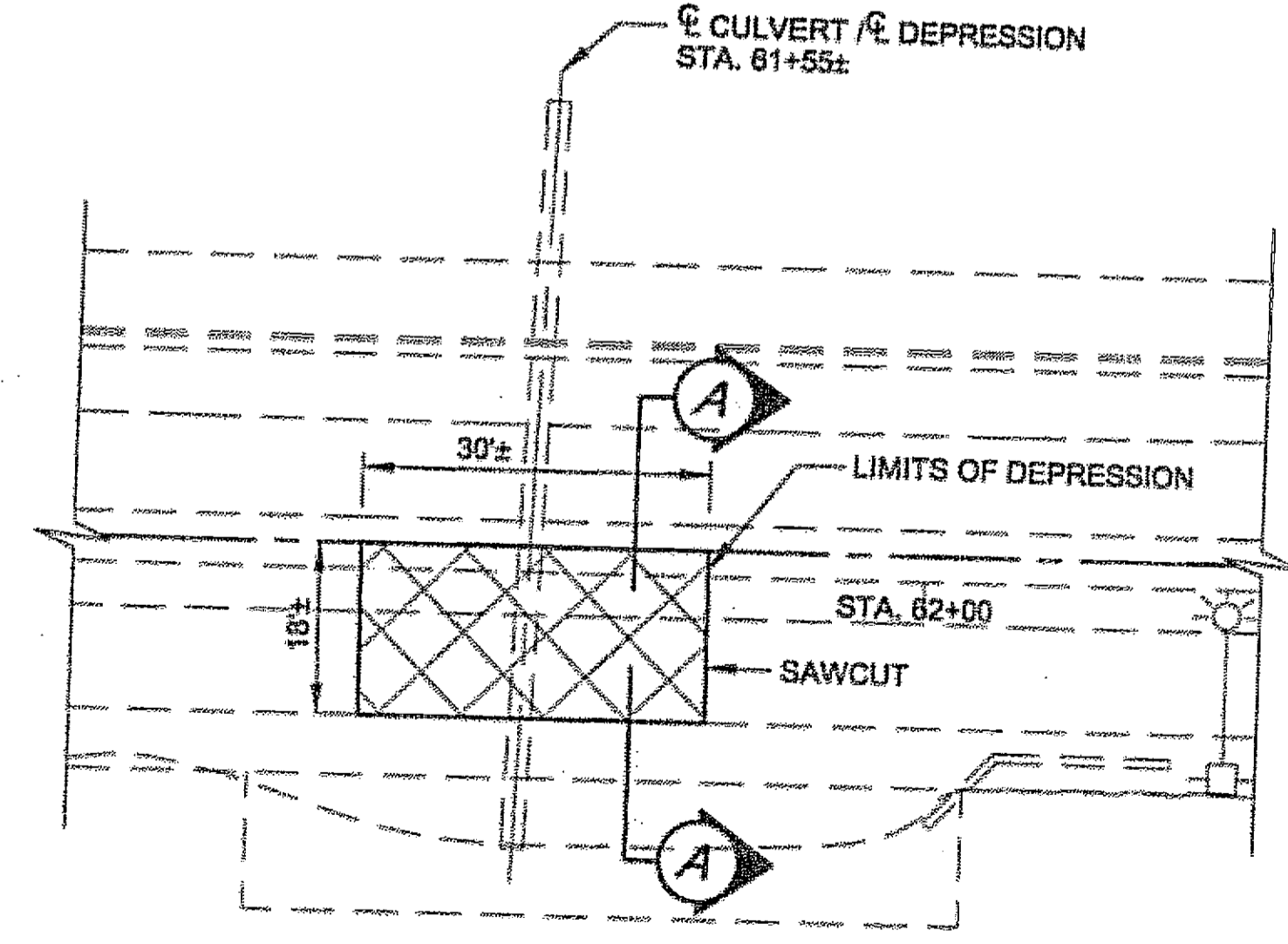
LEGEND:
[Hatched Box] DENOTES AREA TO BE COLD PLANED AND PAVED



**"1" STREET
E.O.P. PLAN VIEW**
NOT TO SCALE



DETAIL "A"
NOT TO SCALE



**ROADWAY DEPRESSION REPAIR
PLAN VIEW**
NOT TO SCALE

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: [Signature] Date: 3/16/05

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. STEVENS 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342	
DESIGNED BY: L. GEHRING DRAWN BY: D. STEVENS		DOUGLAS HIGHWAY PLAN VIEWS & TYPICAL SECTION	
PATH: Q:\nu\68342\Plans\F_Data.dwg TAB: F1 REVISIONS: Wed, 08/JUN/05 01:07PM dastevens		PROJECT DESIGNATION: IM-000S(527)\68342 YEAR: 2005 SHEET NO.: F1 TOTAL SHEETS: 34	

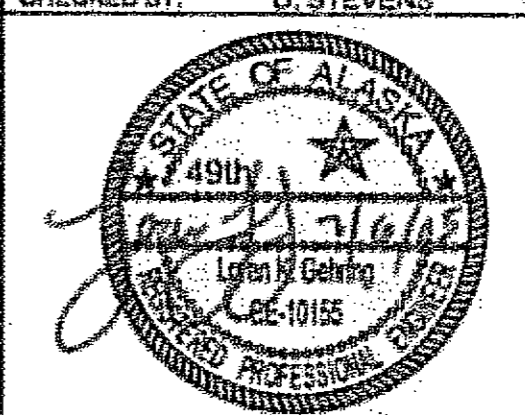
ESTIMATE OF QUANTITIES			
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
401(1)	ASPHALT CONCRETE, SP, TYPE B	TON	2,647
401(2)	ASPHALT CEMENT, PG-64-28	TON	159
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	6.3
408(1)	PAVEMENT COLD PLANING	SQUARE YARD	22,620
604(4)	ADJUST EXISTING MANHOLE	EACH	5
627(10)	ADJUSTMENT OF VALVE BOX	EACH	27
642(11)	ADJUST EXISTING MONUMENT CASES	EACH	14
670(8)	RECESSED PAVEMENT MARKER	EACH	207
670(10)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED

MANHOLE ADJUSTMENT SUMMARY		
STATION	OFFSET	REMARKS
AS BLT. 51+42	12' RT	
AS BLT. 63+12	11' RT	
AS BLT. 64+12	11' RT	
123+85	14' RT	
123+90	3' RT	
TOTAL= 5 ✓		

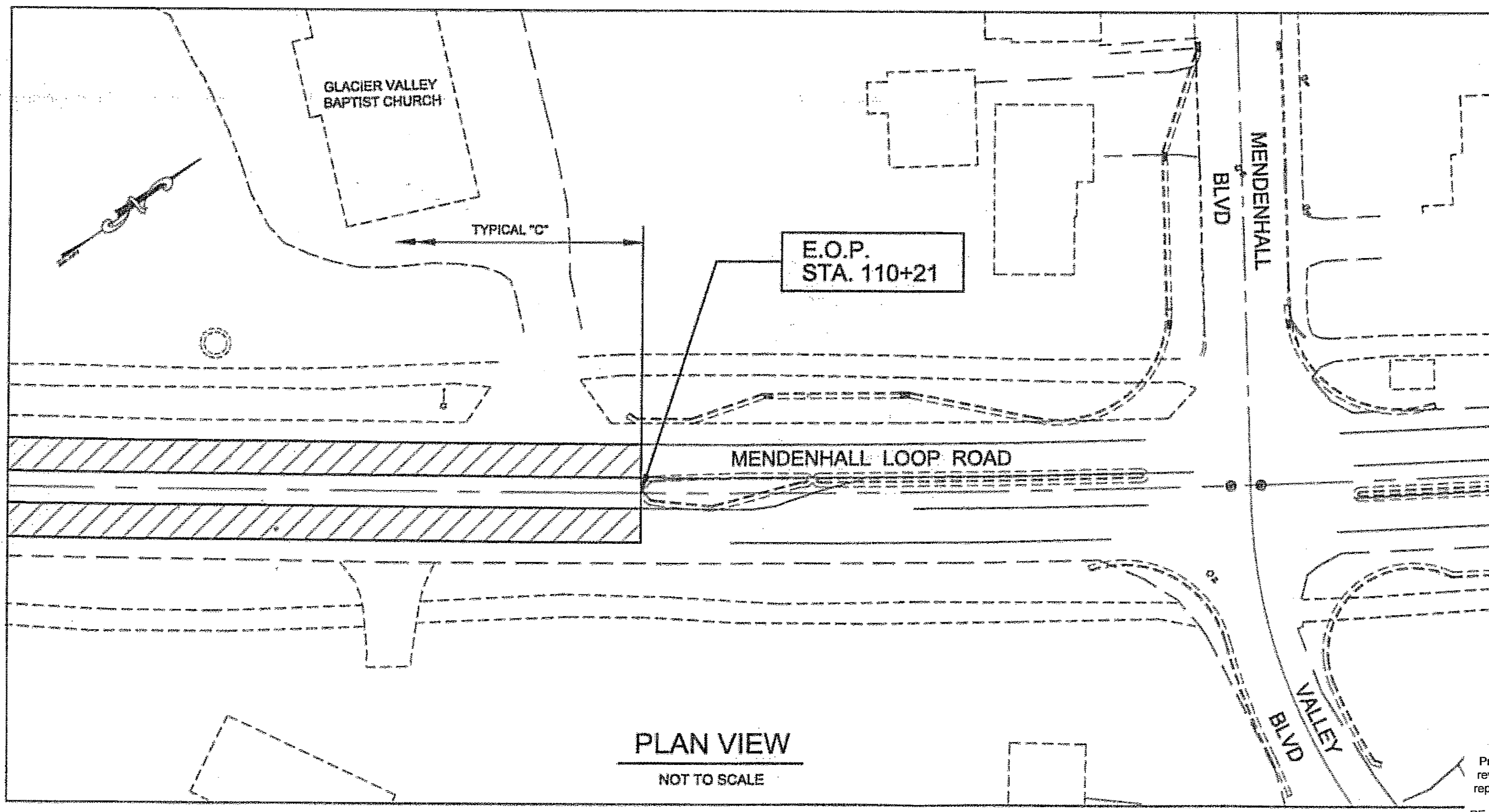
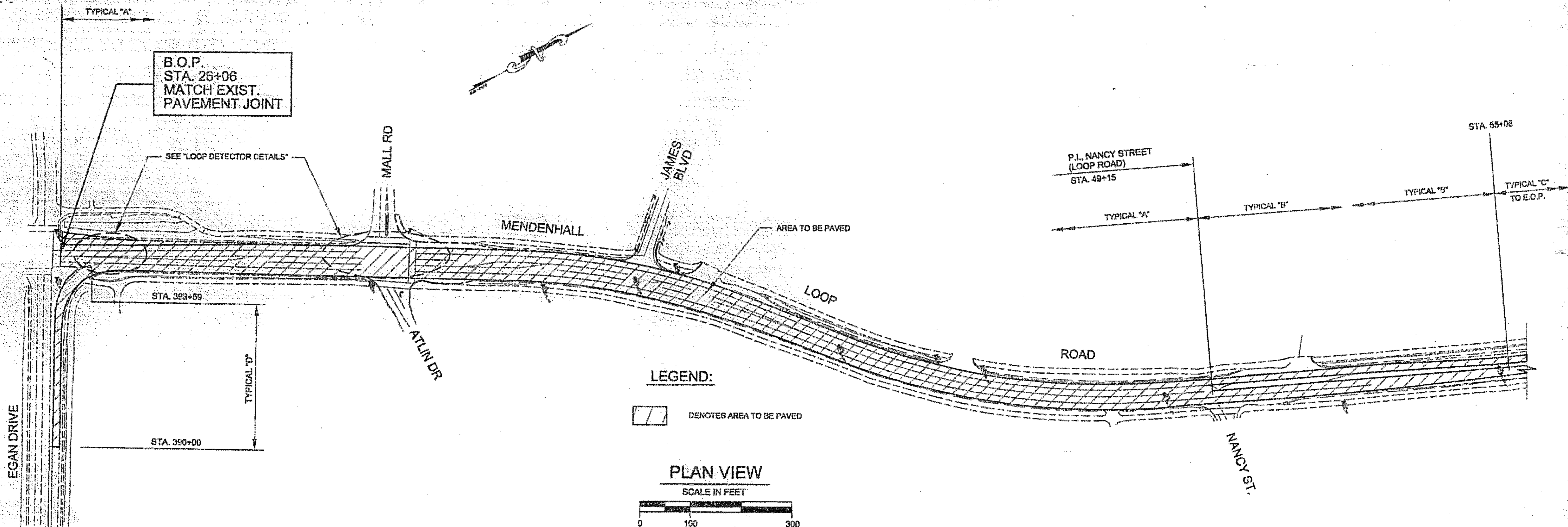
MON. CASE ADJUSTMENT SUMMARY			
STATION	OFFSET	POINT	REMARKS
AS BLT. 36+99.88	☉	P.I. POINT	CORDOVA STREET
AS BLT. 38+52.67	☉	P.I. POINT	
AS BLT. 43+96.05	☉	P.C.	
AS BLT. 47+78.07	☉	P.T.	
AS BLT. 56+00.00	☉	P.O.T.	
AS BLT. 63+25.00	☉	P.O.T.	
AS BLT. 77+81.17	☉	P.C.	
AS BLT. 82+42.88	☉	P.T.	
AS BLT. 83+36.52	☉	P.C.	
AS BLT. 88+57.82	☉	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	☉	P.O.T.	
AS BLT. 119+43.01	1.27' RT	P.I.	
TOTAL= 13			

ADJUST VALVE BOX SUMMARY		
STATION	OFFSET	REMARKS
AS BLT. 37+16	11' LT	3 each
AS BLT. 40+63	9' RT	
AS BLT. 40+69	9' RT	
AS BLT. 44+98	8' RT	
AS BLT. 45+07	8' RT	
AS BLT. 45+09	8' RT	
AS BLT. 49+55	7' RT	
AS BLT. 49+58	9' RT	
AS BLT. 49+61	7' RT	
AS BLT. 51+18	4' RT	
AS BLT. 51+20	7' RT	
AS BLT. 51+24	2' RT	
AS BLT. 51+29	4' RT	
AS BLT. 60+07	1' RT	
AS BLT. 60+10	4' RT	
AS BLT. 60+13	1' RT	
AS BLT. 63+97	0.5' LT	
AS BLT. 64+01	2' RT	
AS BLT. 64+04	1' LT	
AS BLT. 67+32	3' RT	
AS BLT. 67+35	☉ LT	
AS BLT. 67+35	6' RT	
AS BLT. 115+06	10.5' RT	Abandoned
AS BLT. 115+07	11' RT	
123+77±	13' LT.	
123+80±	12' LT.±	
123+63±	13' LT.±	
TOTAL= 27		

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION	
	JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342	
DOUGLAS HIGHWAY ESTIMATE OF QUANTITIES & SUMMARY TABLES		
DESIGNED BY: L. GEHRING DRAWN BY: D. STEVENS PATH: Q:\In\68342\Plan\RD_Sums.dwg TAB: F2 Wed, 06/04/05 01:07PM dastevens	REVISIONS NO. DATE DESCRIPTION	PROJECT DESIGNATION IM-000S(527)\68342
		YEAR 2005
		SHEET NO. F2
		TOTAL SHEETS 34

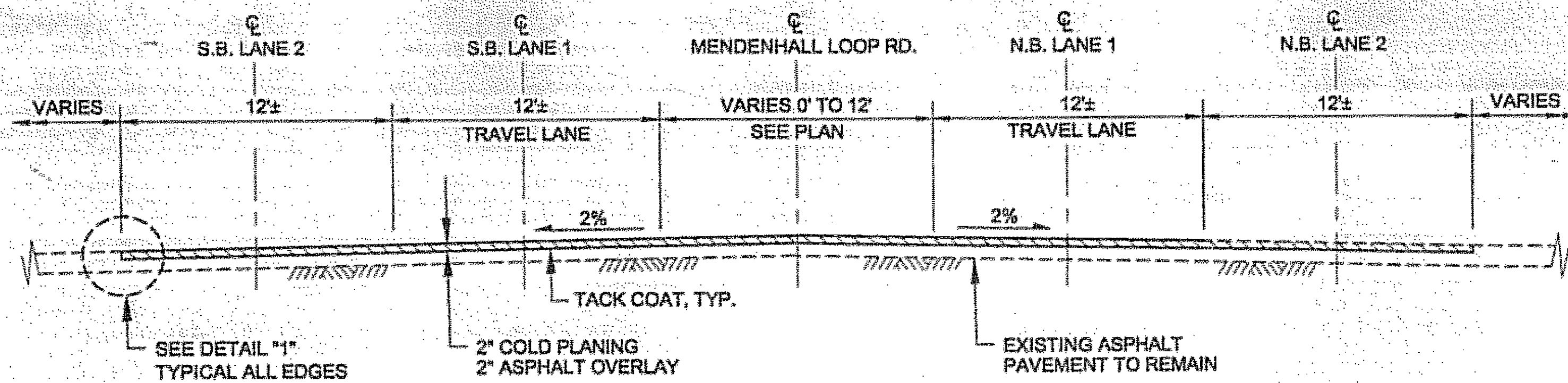
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 3/10/07



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 3/16/07

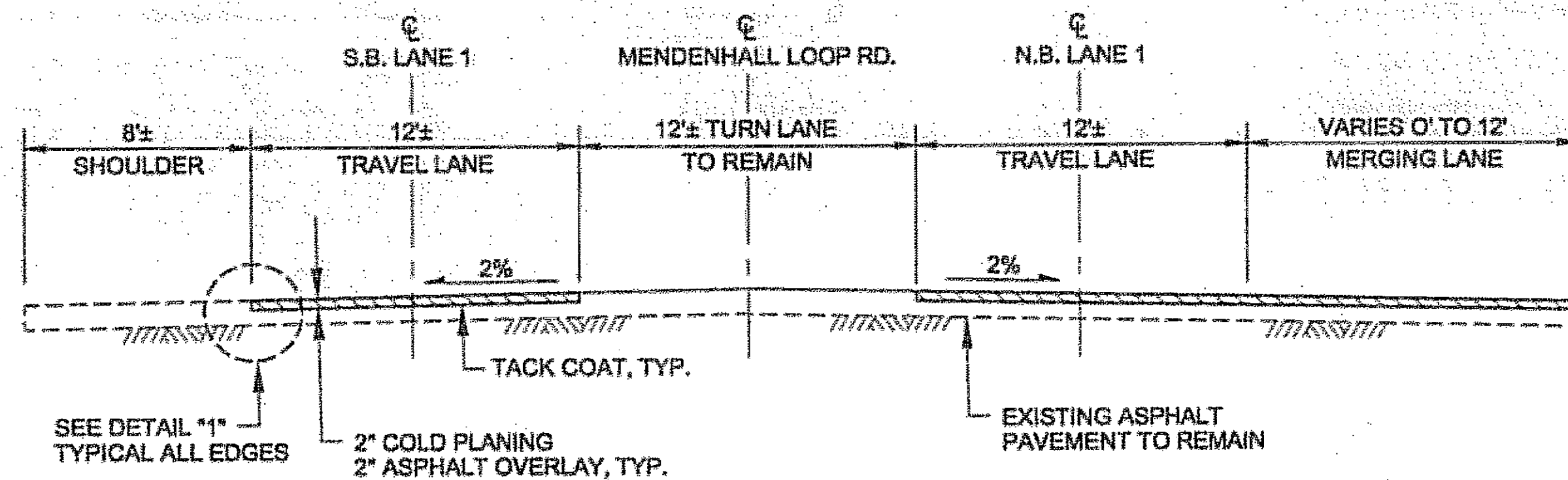
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. STEVENS 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFYO5 AREAWIDE PAVING PROJECT NO. 68342																		
DESIGNED BY: L. GEHRING DRAWN BY: D. STEVENS PATH: Q:\Jnu\68342\Plans\LOOP_01.dwg TAB: Layout1 Wed, 06/14/05 01:08PM dastevens		MENDENHALL LOOP ROAD PLAN VIEWS																		
<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS			NO.	DATE	DESCRIPTION				<table border="1"> <tr> <td>PROJECT DESIGNATION</td> <td>YEAR</td> <td>SHEET NO.</td> <td>TOTAL SHEETS</td> </tr> <tr> <td>IM-000S(527)\68342</td> <td>2005</td> <td>F3</td> <td>34</td> </tr> </table>		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	IM-000S(527)\68342	2005	F3	34
REVISIONS																				
NO.	DATE	DESCRIPTION																		
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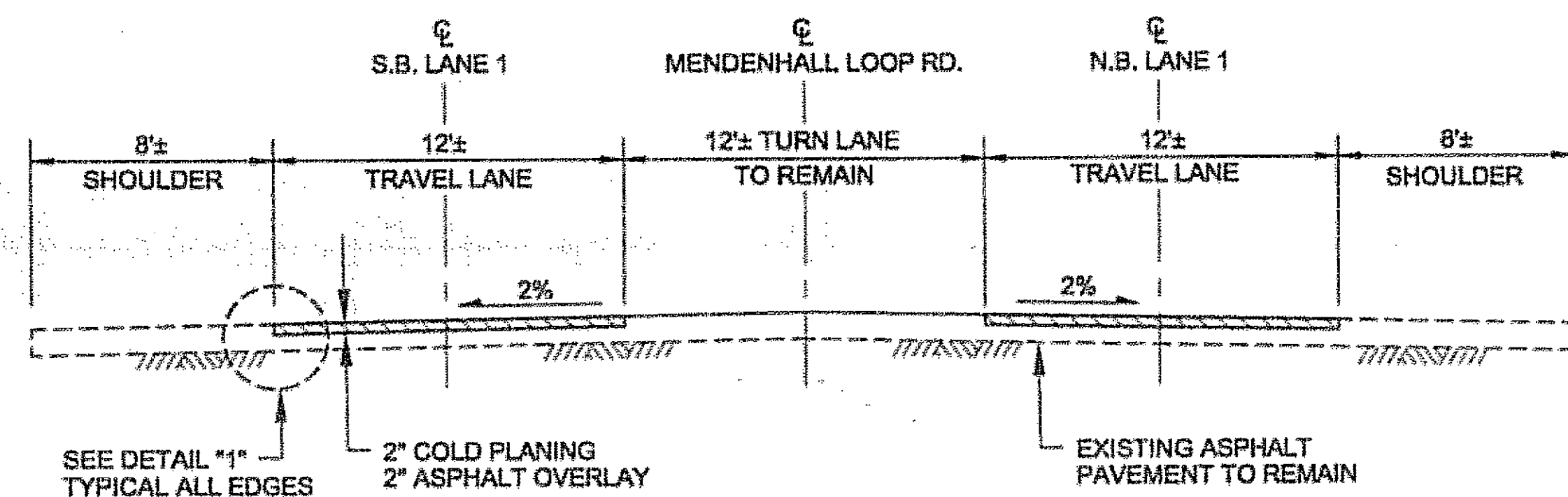
TYPICAL SECTION "A"

NOT TO SCALE
B.O.P. STA. 26+06 TO STA. 49+20



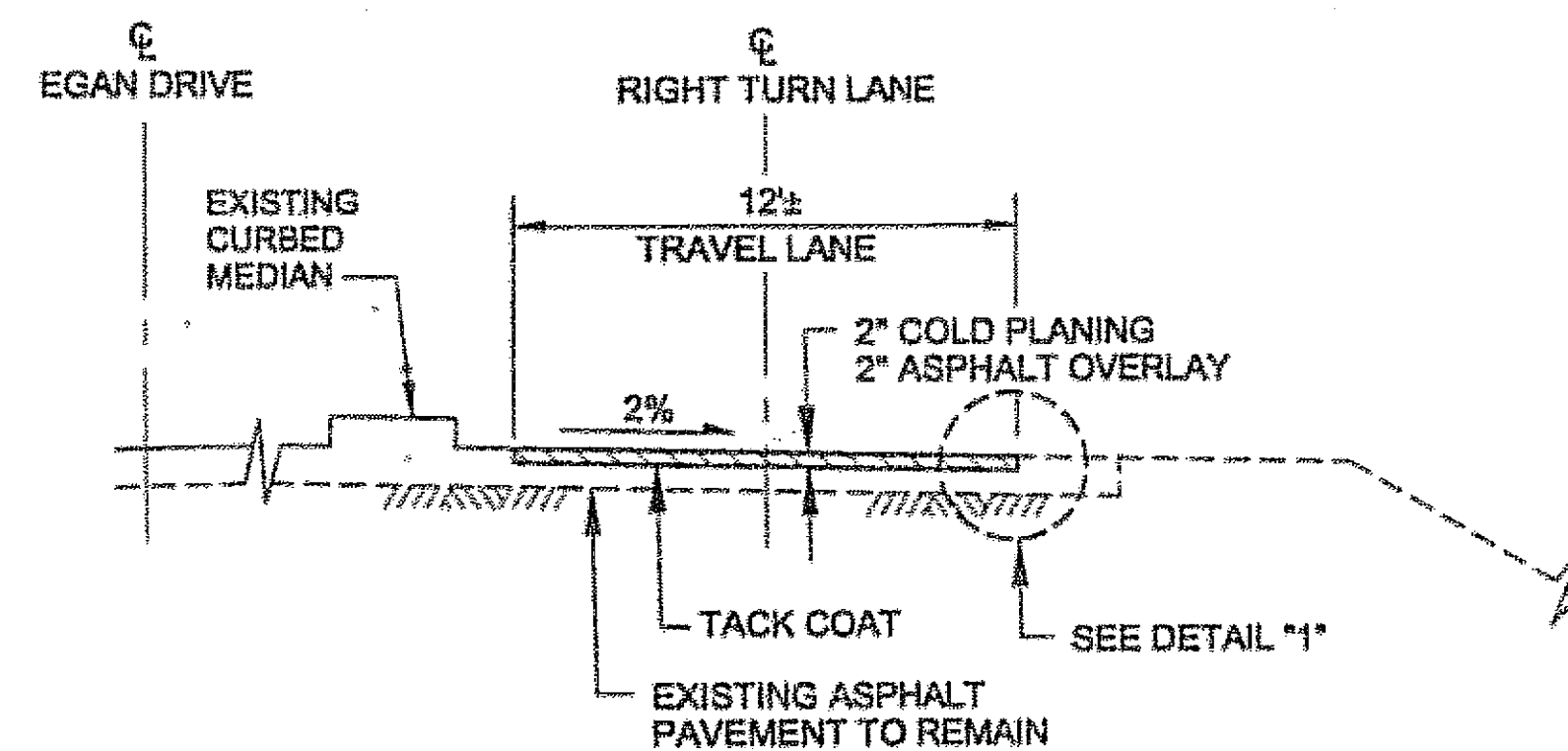
TYPICAL SECTION "B"

NOT TO SCALE
STA. 49+15 TO STA. 110+21



TYPICAL SECTION "C"

NOT TO SCALE
STA. 49+15 TO STA. 110+21



TYPICAL SECTION "D"

NOT TO SCALE
STA. 390+00 TO STA. 393+59

NOTE:

1. FOR REFERENCE NORTHBOUND LANES ARE TOWARDS THE MENDENHALL GLACIER VISITOR'S CENTER.

ESTIMATE OF QUANTITIES

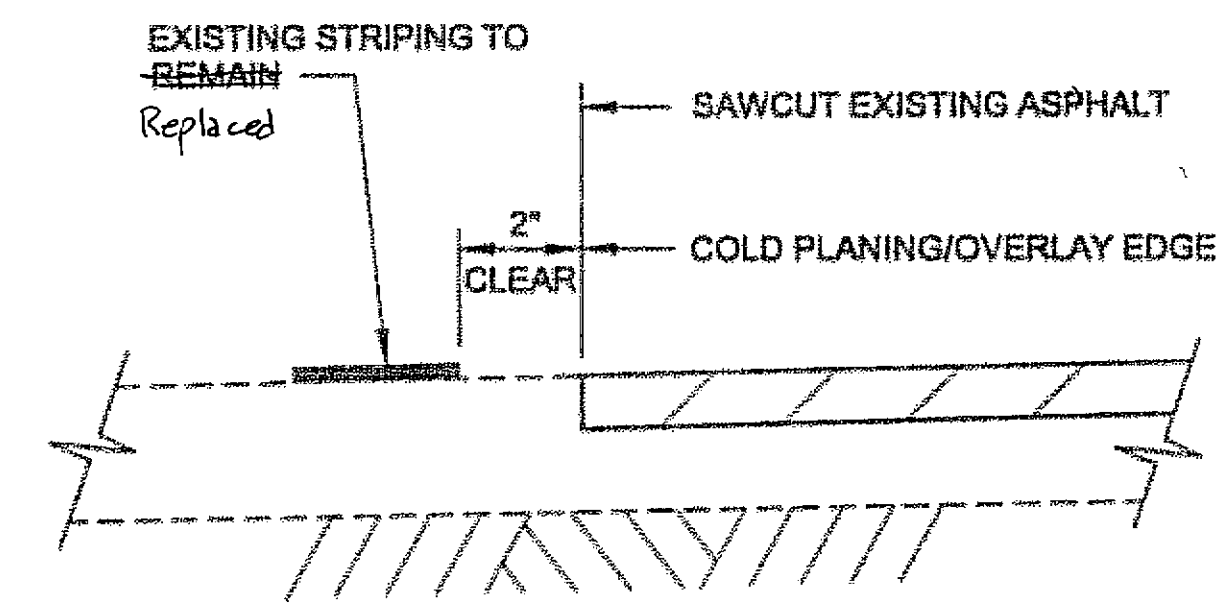
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
401(1)	ASPHALT CONCRETE, SP, TYPE B	TON	3,669
401(2)	ASPHALT CEMENT, PG-64-28	TON	220
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	8.7
408(1)	PAVEMENT COLD PLANING	SQUARE YARD	31,340
642(11)	ADJUST EXISTING MONUMENT CASES	EACH	3
670(8)	RECESSED PAVEMENT MARKER	EACH	475
670(10)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED

ADJUST EXISTING MONUMENT SUMMARY

STATION	MONUMENT	CASE	POINT	REMARKS
*0° 37+41.67	X	X	P.O.C.	ADJUST
*0° 41+68.04	X	X	P.C.	ADJUST
*0° 48+23.22	X	X	P.T.	ADJUST
*0° 54+80.72	X	X	P.C. FOR REFERENCE ONLY	NO ADJUSTMENT REQUIRED
*0° 61+50.45	X	X	P.T. FOR REFERENCE ONLY	NO ADJUSTMENT REQUIRED
*0° 64+73.52	X	X	P.C. FOR REFERENCE ONLY	NO ADJUSTMENT REQUIRED
*0° 71+00.00	X	X	P.O.C.	NO ADJUSTMENT REQUIRED
*0° 81+57.68	X	X	P.O.C.	NO ADJUSTMENT REQUIRED
*0° 87+21.08	X	X	P.O.C.	NO ADJUSTMENT REQUIRED
*0° 91+35.89	X	X	P.O.C.	NO ADJUSTMENT REQUIRED
*0° 92+84.95	X	X	P.O.C.	NO ADJUSTMENT REQUIRED
*0° 95+98.17	X	X	P.O.C.	NO ADJUSTMENT REQUIRED
*0° 100+44.66	X	X	P.O.C.	NO ADJUSTMENT REQUIRED
*0° 101+41.74	X	X	P.T.	NO ADJUSTMENT REQUIRED
*0° 112+43.93	X	X	P.O.C.	NO ADJUSTMENT REQUIRED

STRIPING NOTES:

1. STATION 49+15 TO STA. 110+21: REPLACE EXISTING PAVEMENT MARKERS WITH NEW. CUTTING EXISTING PAVEMENT MAY BE REQUIRED AT MARKER LOCATION TO OBTAIN REQUIRED DEPTH. SEE "RECESSED PAVEMENT MARKER DETAILS" SHEET.

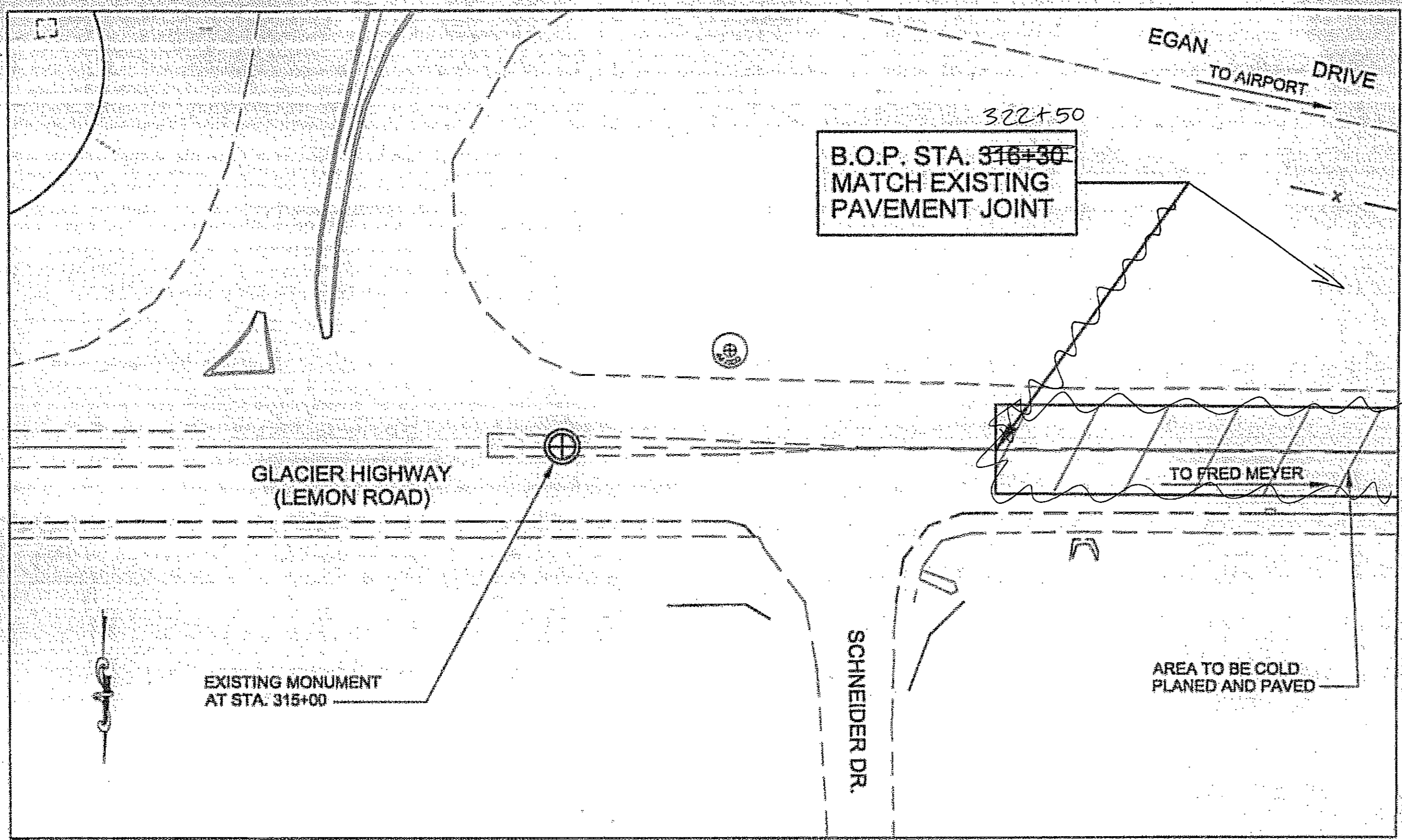


DETAIL "1"

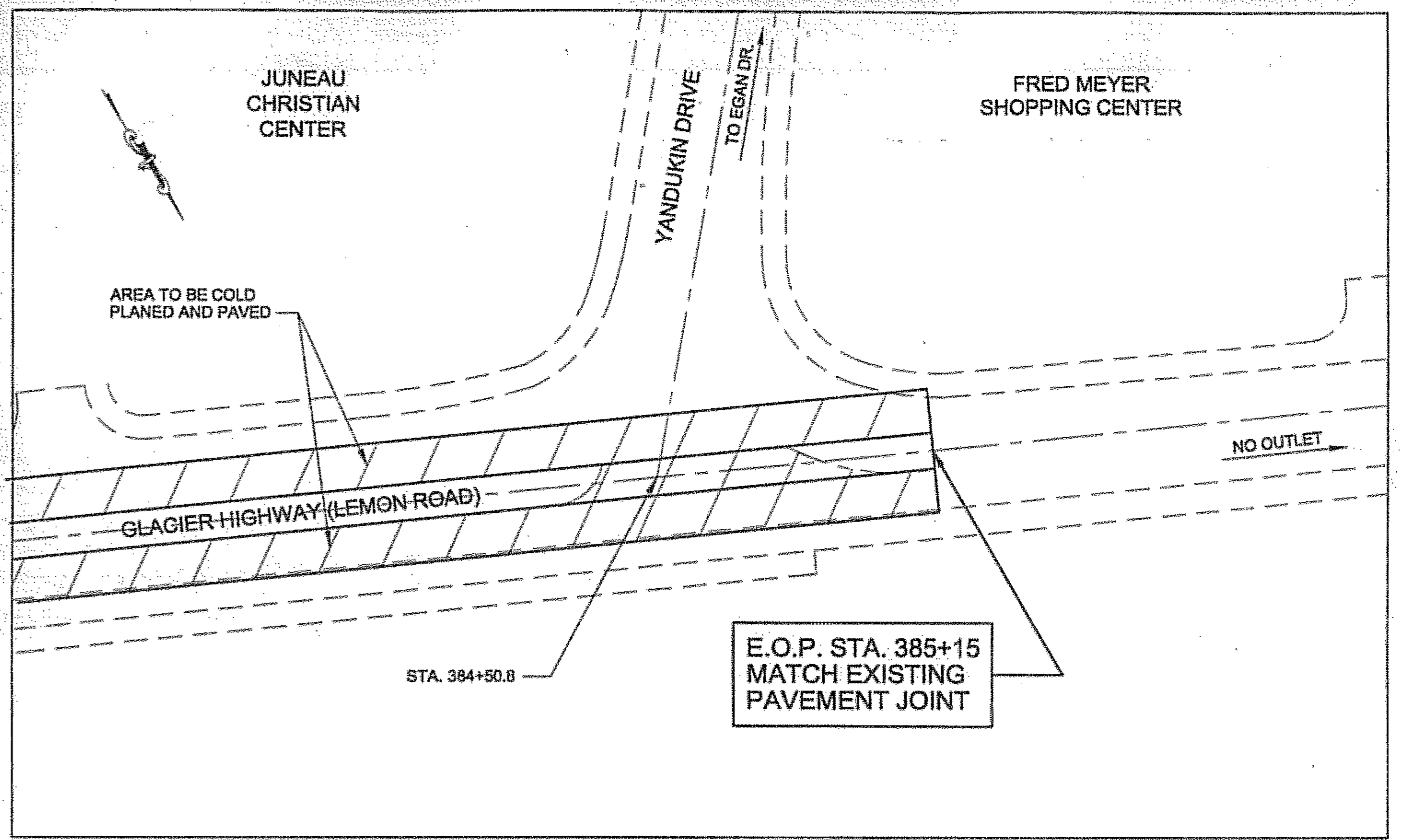
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: [Signature] Date: 3/19/07

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

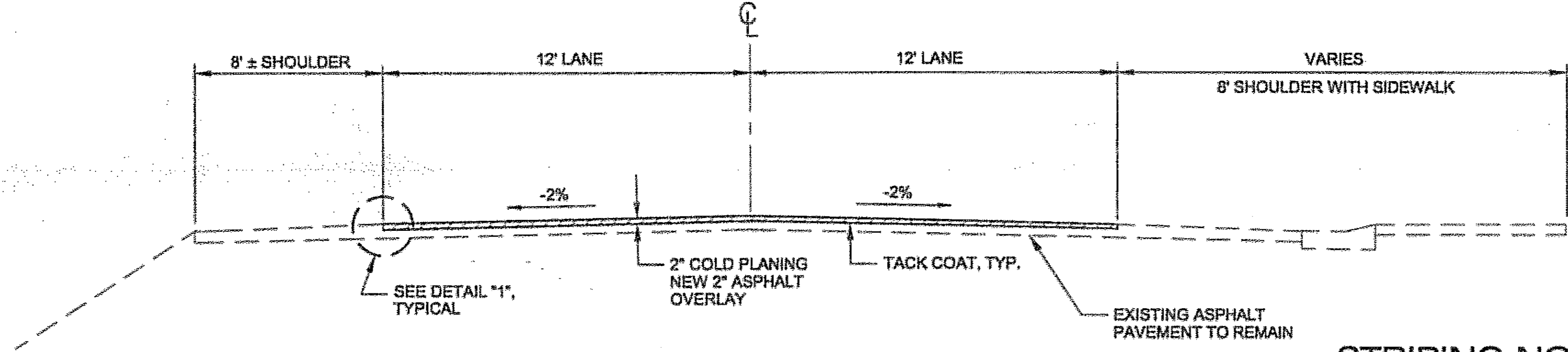
CHECKED BY: D. STEVENS 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342 MENDENHALL LOOP ROAD TYPICAL SECTIONS, ESTIMATE OF QUANTITIES & SUMMARY TABLES			
DESIGNED BY: L. GEHRING DRAWN BY: D. STEVENS PATH: Q:\nu\68342\PlanSet\F_Gets.dwg TAB: SECTIONS Wed, 05/Jul/05 01:52PM dastevens		PROJECT DESIGNATION IM-000S(527)68342	YEAR 2005	SHEET NO. F4	TOTAL SHEETS 34



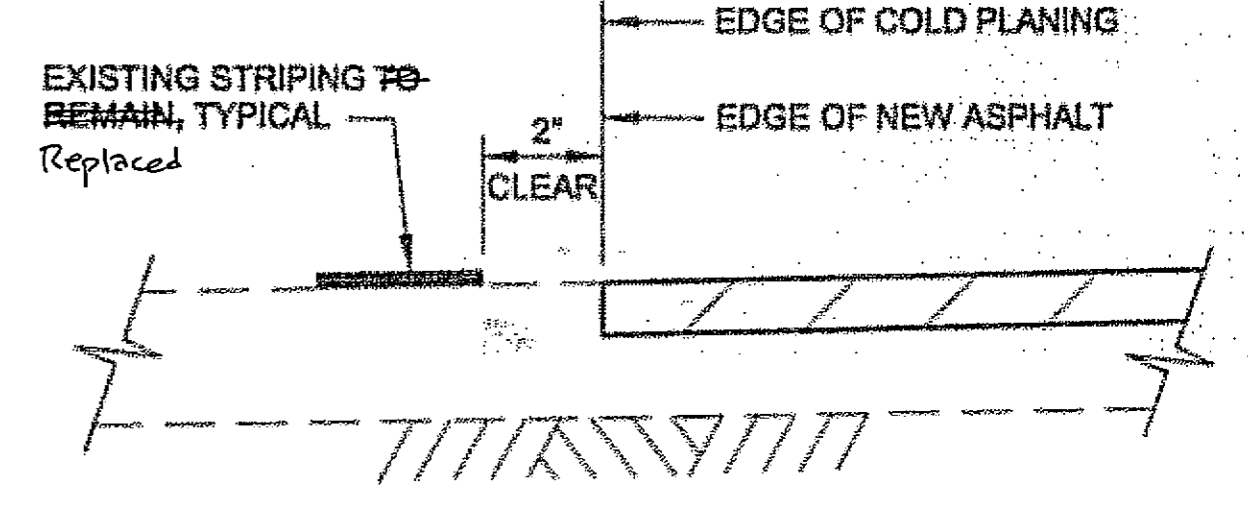
GLACIER HWY. (LEMON RD.)
PLAN VIEW
NOT TO SCALE



GLACIER HWY. (LEMON RD.)
PLAN VIEW
NOT TO SCALE



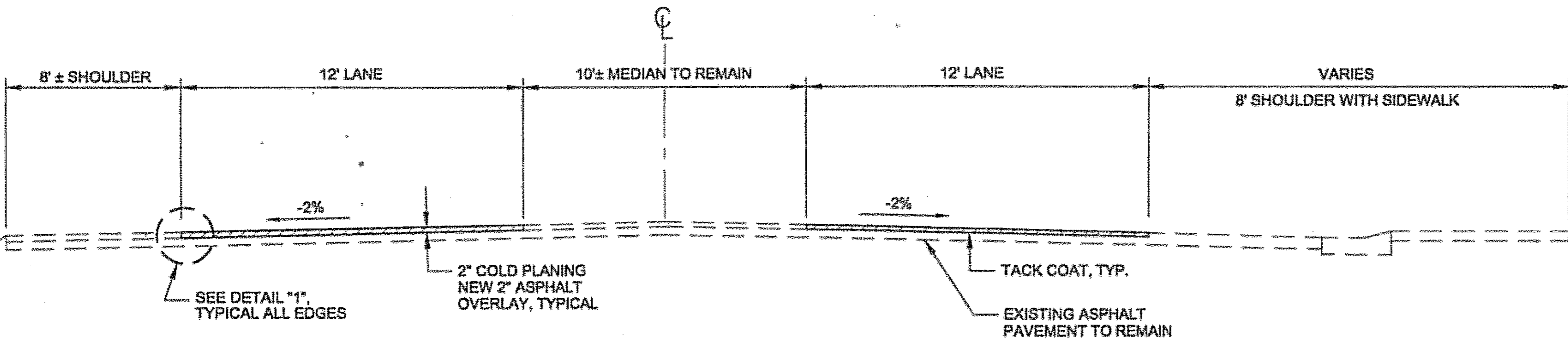
TYPICAL SECTION
STA. 316+30.8 TO STA. 375+57.75
322+50



DETAIL "1"
NOT TO SCALE

STRIPING NOTES:

1. STATION 375+57.75 TO STA. 384+25±: REPLACE EXISTING PAVEMENT MARKERS WITH NEW. CUTTING EXISTING PAVEMENT MAY BE REQUIRED AT MARKER LOCATION TO OBTAIN REQUIRED DEPTH. SEE "RECESSED PAVEMENT MARKER DETAILS" SHEET.



TYPICAL SECTION
STA. 375+57.75 TO STA. 385+15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. STEVENS	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION
DESIGNED BY: L. GEHRING	JNU-FFY05 AREA WIDE PAVING PROJECT NO. 68342
DRAWN BY: D. STEVENS	GLACIER HIGHWAY (LEMON ROAD) MISCELLANEOUS DETAILS
PATH: Q:\nu\68342\Plans\Glacier.dwg	PROJECT DESIGNATION: IM-000S(527)\68342
TAB: PLANS	YEAR: 2005
DATE: Wed, 06/Jul/05 01:09PM	SHEET NO.: F5
DESIGNER: dastevens	TOTAL SHEETS: 34

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: [Signature] Date: 3/19/07

ESTIMATE OF QUANTITIES			
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
401(1)	ASPHALT CONCRETE, SP. TYPE B	TON	2,148
401(2)	ASPHALT CEMENT, PG-64-28	TON	129
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	5.1
408(1)	PAVEMENT COLD PLANING	SQUARE YARD	18,360
604(4)	ADJUST EXISTING MANHOLE	EACH	13
627(10)	ADJUSTMENT OF VALVE BOX	EACH	8
642(11)	ADJUST EXISTING MONUMENT CASES	EACH	10
670(8)	RECESSED PAVEMENT MARKER	EACH	200
670(10)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED

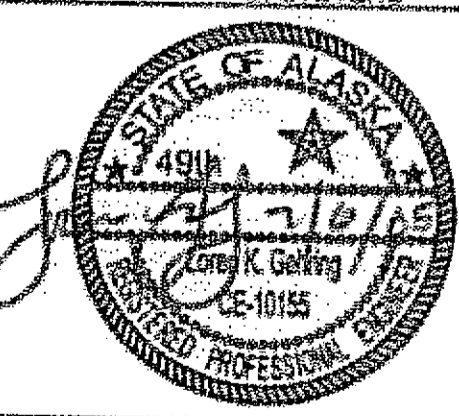
MANHOLE SUMMARY			
STATION	OFFSET		REMARKS
	LEFT	RIGHT	
"0" 339+15.32	12.6'		ADJUST
"0" 343+14.56	12.0'		ADJUST
"0" 344+13.31	11.1'		ADJUST
"0" 346+15.75	12.7'		ADJUST
"0" 348+91.77	12.5'		ADJUST
"0" 352+08.04	12.4'		ADJUST
"0" 362+05.43	7.9'		ADJUST
"0" 369+50.56	8.0'		ADJUST
"0" 373+32.23	11.0'		ADJUST
"0" 377+08.33	9.9'		ADJUST
"0" 379+07.26	11.0'		ADJUST
"0" 381+38.32	9.3'		ADJUST
"0" 384+64.69	10.2'		ADJUST
TOTAL= 13			

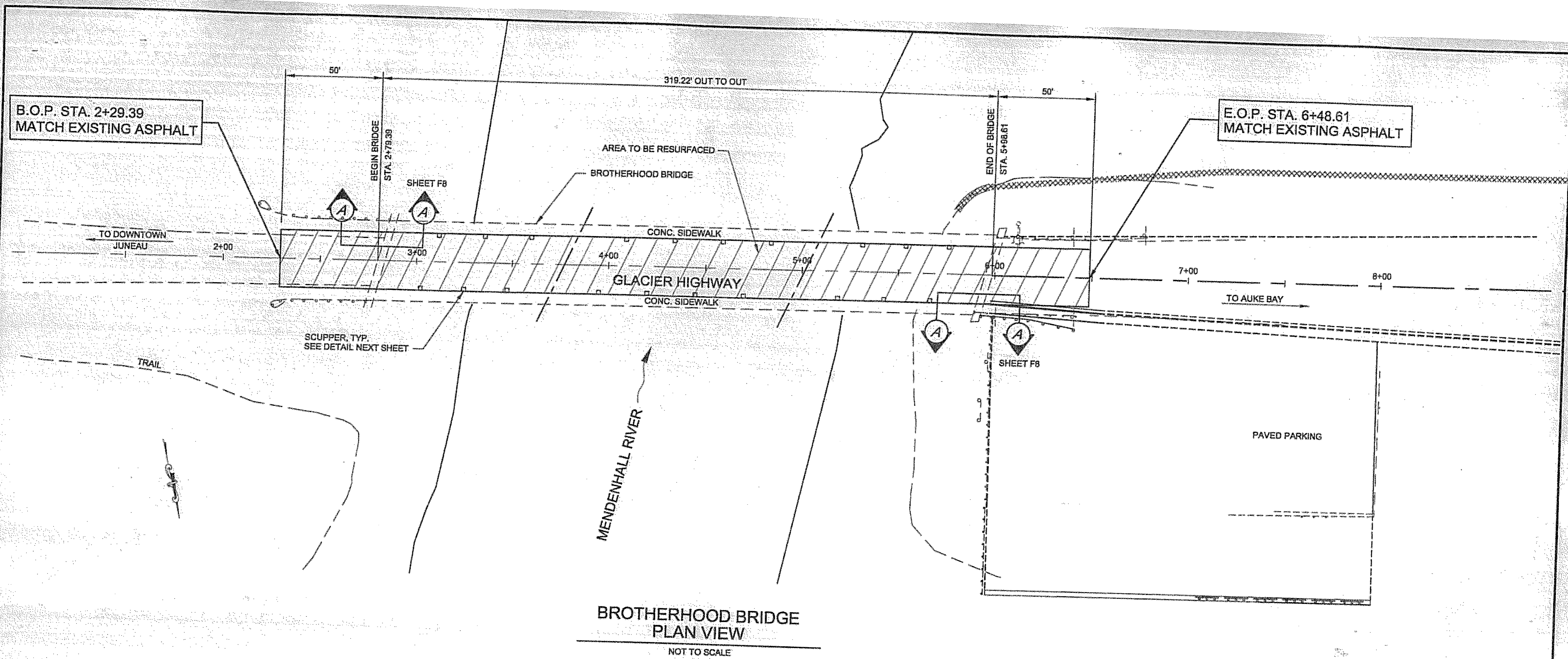
MONUMENT SUMMARY				
STATION	LOCATION	REMARKS	MON.	CASE
"0" 315+00.00	0.18 RT.	P.I.	1	1
"0" 327+50.64	0.57 LT.	P.I.	1	1
"0" 337+79.10	☉	P.C.	1	1
"0" 342+15.16	☉	P.T.	1	1
"0" 349+56.27	☉	P.C.	1	1
"0" 352+56.27	☉	P.T.	1	1
"0" 357+71.09	☉	P.C.	1	1
"0" 367+92.98	☉	P.T.	1	1
"0" 375+57.75	☉	P.C.	1	1
"0" 380+02.33	☉	P.T.	1	1
TOTAL			10-9	10-7

VALVE ADJUSTMENT SUMMARY		
STATION	OFFSET	
	LEFT	RIGHT
"0" 324+15		9'
"0" 324+55		10.6'
"0" 325+31		4.9'
"0" 330+24		10' ±
"0" 345+36		11' ±
"0" 367+92		11' ±
"0" 399+88		11.2'
"0" 394+63		11.5'
TOTAL= 8 3		

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 3/10/07

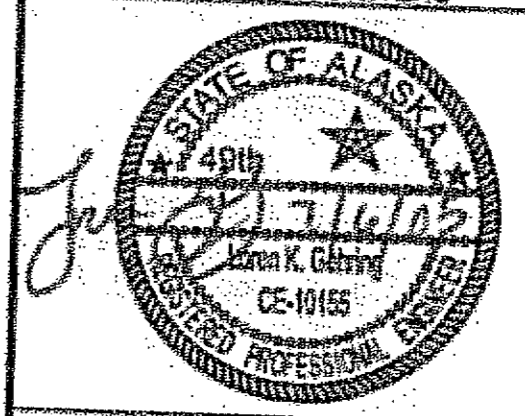
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. STEVENS  DESIGNED BY: L. GEHRING DRAWN BY: D. STEVENS PATH: Q:\m\68342\Plans\05\Gloster.dwg TAB: SUMMARY'S REVISIONS: <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	DESCRIPTION							STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342 GLACIER HIGHWAY (LEMON ROAD) ESTIMATE OF QUANTITIES & SUMMARY TABLES
NO.	DATE	DESCRIPTION								
PROJECT DESIGNATION: IM-00S(527)\68342 YEAR: 2005 SHEET NO.: F6 TOTAL SHEETS: 34										

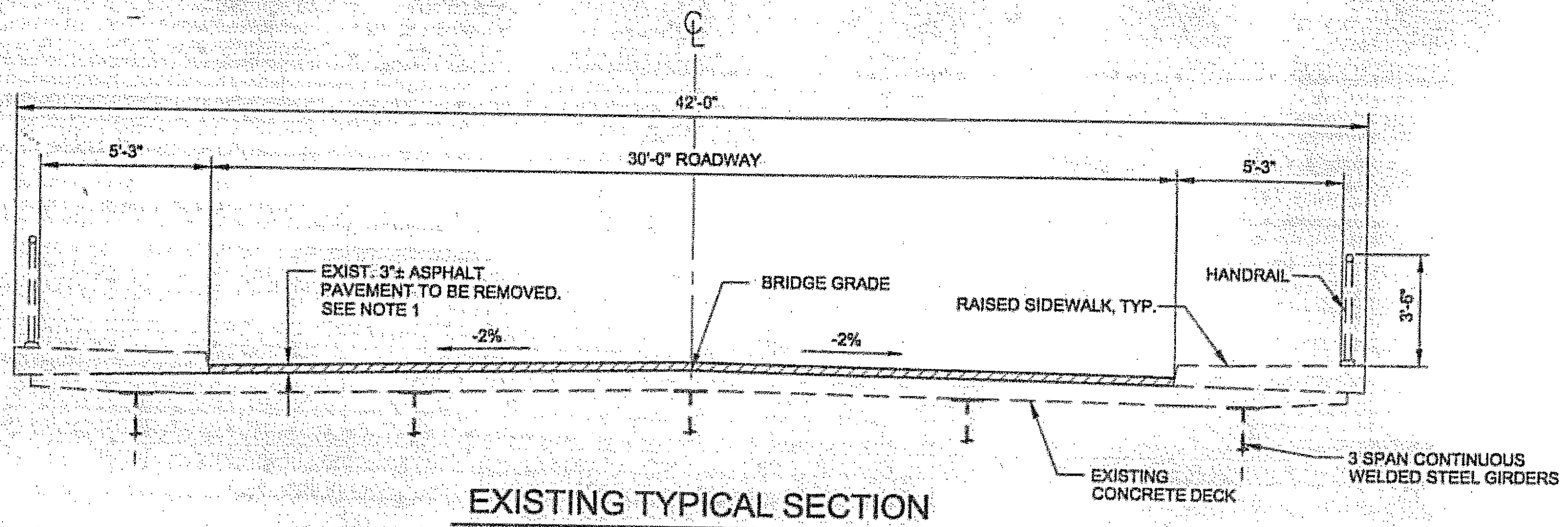


ESTIMATE OF QUANTITIES			
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
401(1)	ASPHALT CONCRETE, SP, TYPE B	TON	164
401(2)	ASPHALT CEMENT, PG-64-28	TON	10
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	0.4
408(1)	PAVEMENT COLD PLANING	SQUARE YARD	1,397
670(8)	RECESSED PAVEMENT MARKER	EACH	10
670(10)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. STEVENS 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342									
DESIGNED BY: L. GEHRING DRAWN BY: D. STEVENS		BROTHERHOOD BRIDGE PLAN VIEW & ESTIMATE OF QUANTITIES									
PATH: C:\nu\68342\plans\Brotherhood.dwg TAB: PLANS Wed, 02/11/05 01:10PM dastevens											
REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	DESCRIPTION				PROJECT DESIGNATION IM-000S(527)\68342	YEAR 2005	SHEET NO. F7	TOTAL SHEETS 34
NO.	DATE	DESCRIPTION									

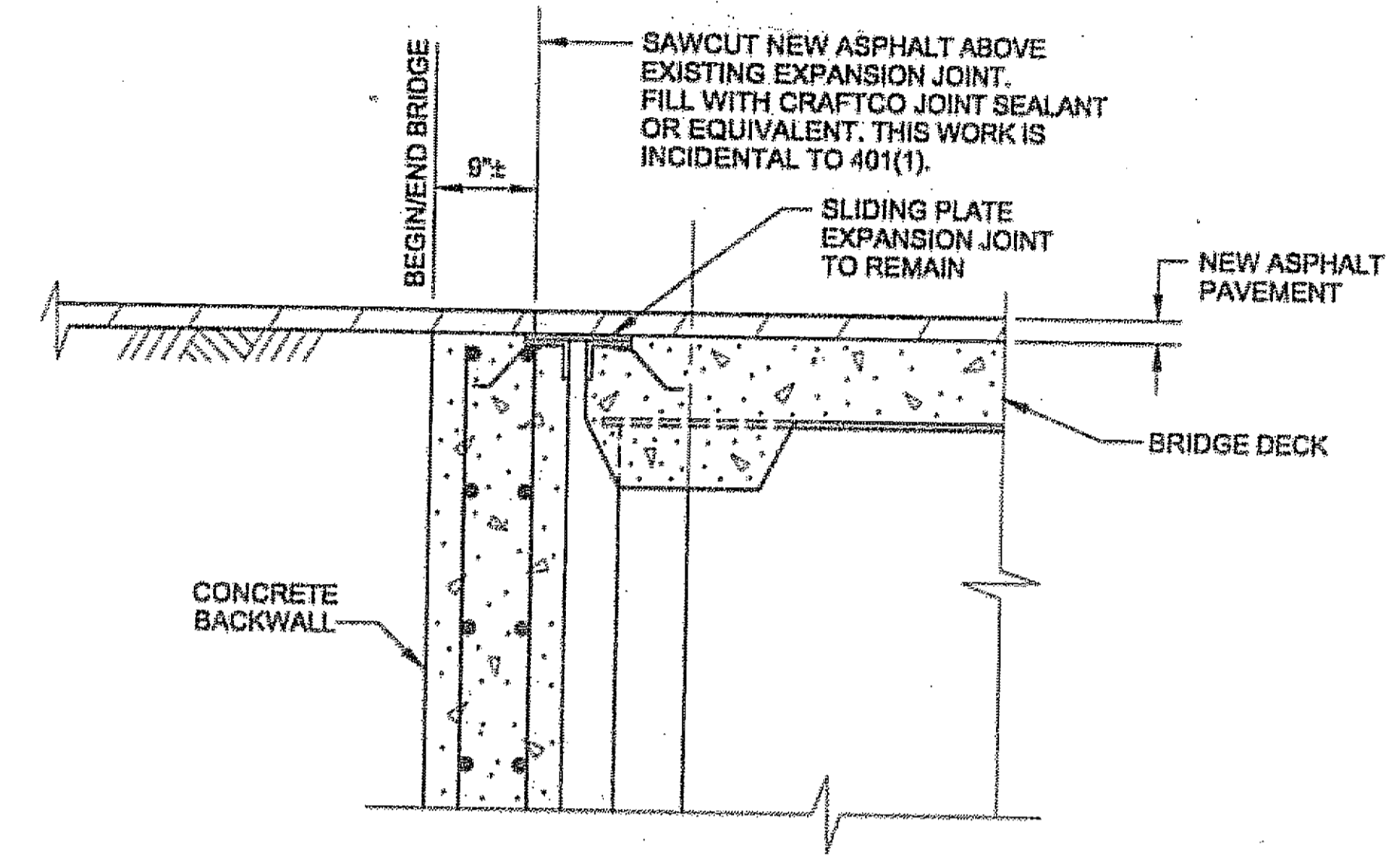
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 3/9/07



EXISTING TYPICAL SECTION

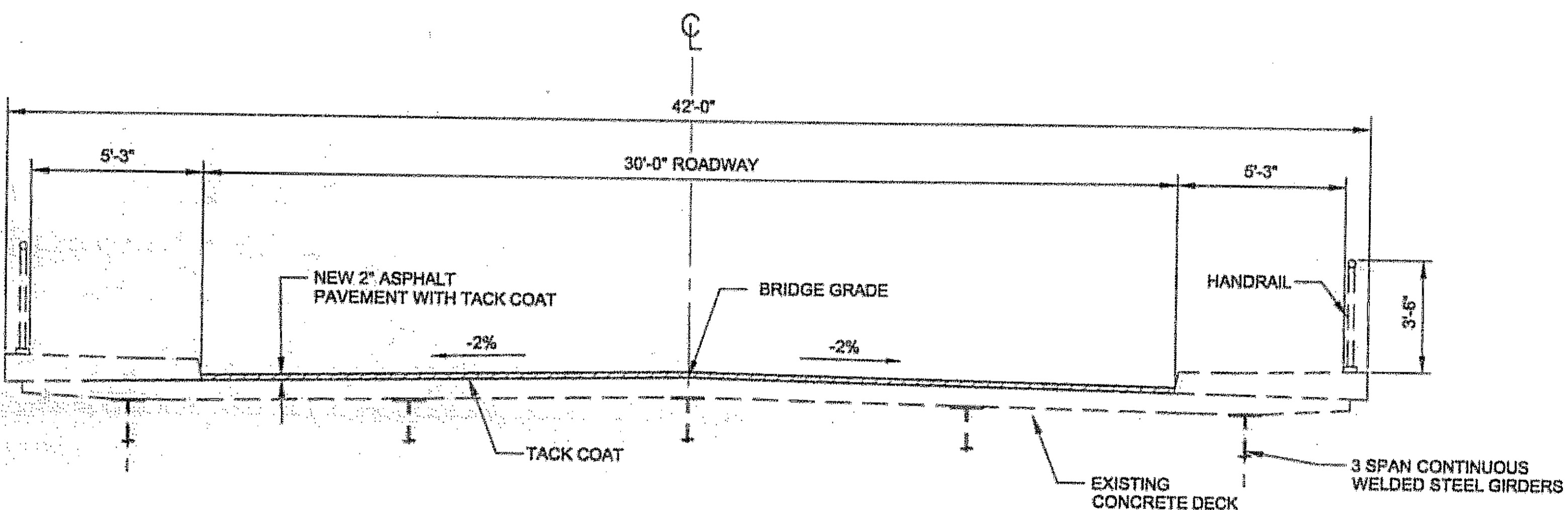
BRIDGE DECK STA. 2+79.39 TO STA. 5+98.61

PAVEMENT REMOVAL NOTES:
 DO NOT USE ASPHALT MILLING MACHINE FOR PAVEMENT REMOVAL ON BRIDGE DECK. PAST BRIDGE RESURFACING PROJECTS HAVE SUCCESSFULLY USED THE FOLLOWING METHOD OF PAVEMENT REMOVAL: USE SAW OR "PIZZA CUTTER" TO CUT JOINTS IN SURFACE TO CREATE MANAGABLE SECTIONS FOR REMOVAL. BOLT A STEEL FLAT BLADE ONTO AN EXCAVATOR BUCKET THEN SCRAP ASPHALT DOWN TO BRIDGE DECK. PROTECT EXISTING CONCRETE DECK, CURBS AND END EXPANSION JOINTS.



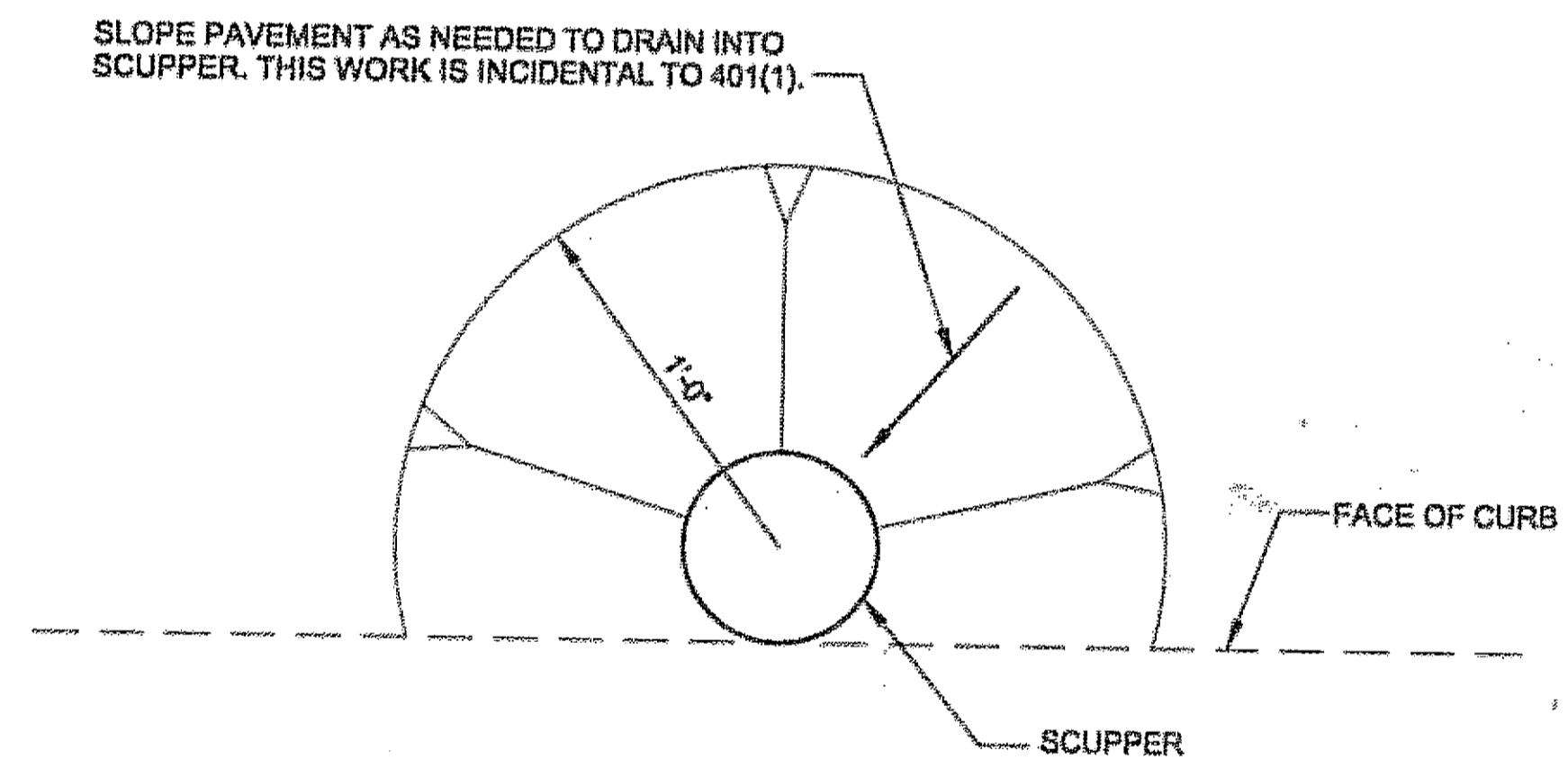
SECTION "A-A"

N.T.S.



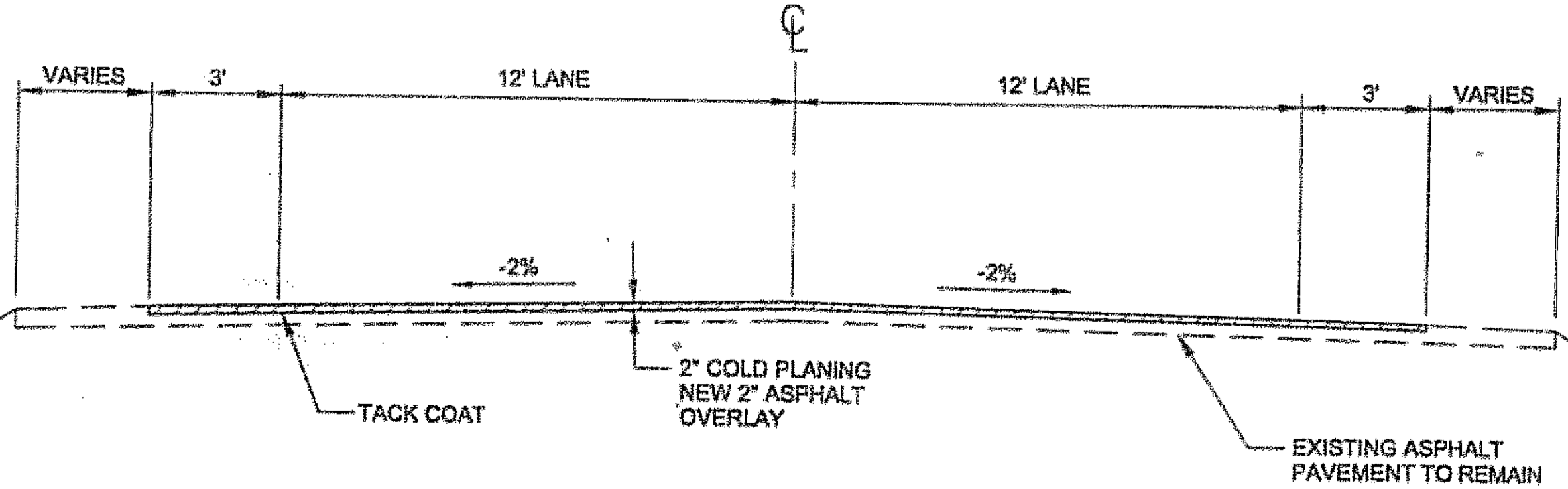
NEW TYPICAL SECTION

BRIDGE DECK STA. 2+79.39 TO STA. 5+98.61



SCUPPER DETAIL

20 LOCATIONS

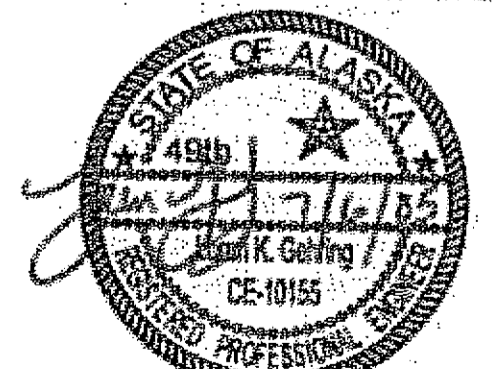


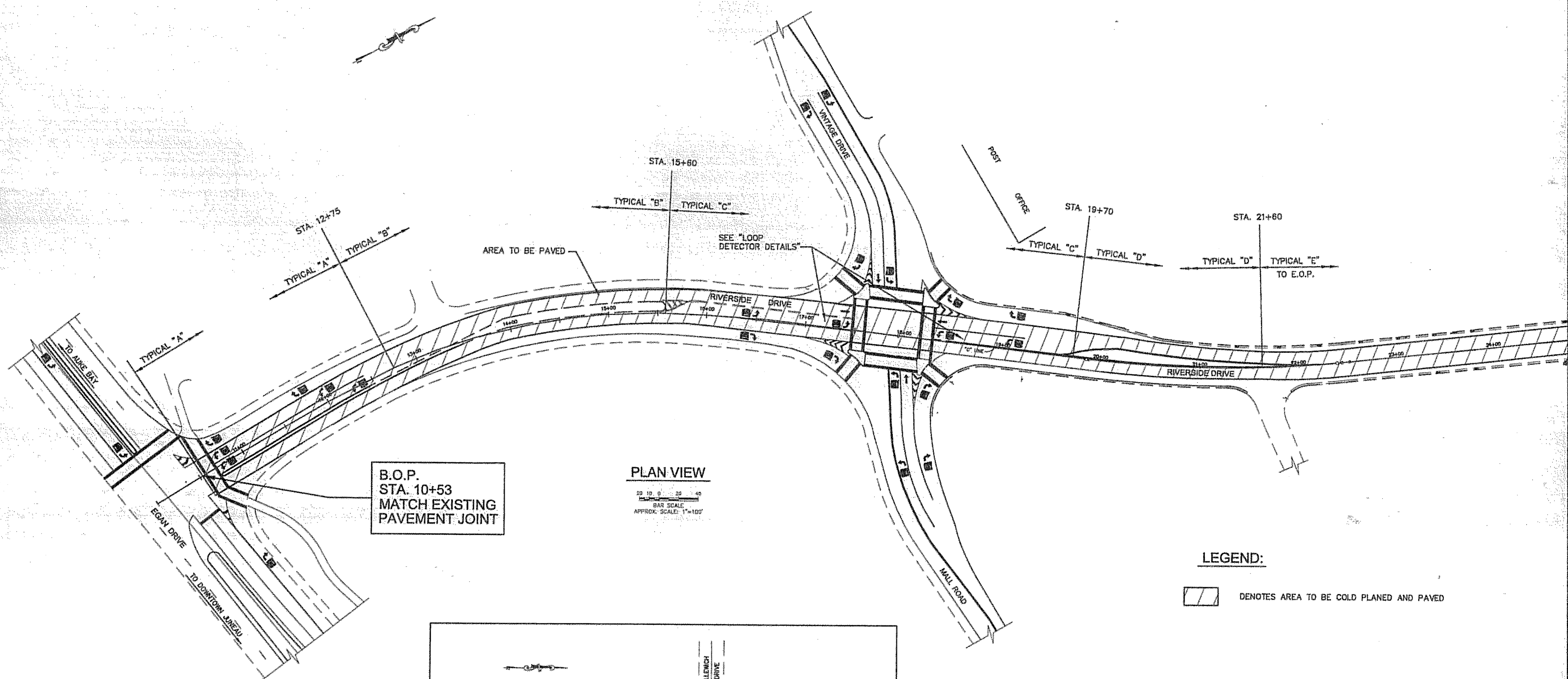
TYPICAL SECTION

OFF BRIDGE
 STA. 2+29.39 TO 2+79.39
 STA. 5+98.61 TO STA. 6+48.61

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: *[Signature]* Date: 3/19/07

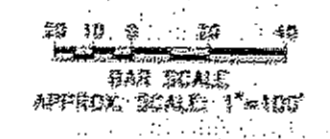
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. STEVENS 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFYO5 AREAWIDE PAVING PROJECT NO. 68342	
DESIGNED BY: L. GEHRING DRAWN BY: D. STEVENS		BROTHERHOOD BRIDGE TYPICAL SECTIONS	
PATH: Q:\nu\68342\planset\brotherhood.dwg TAB: DETAILS Wed, 08/JUL/05 01:11 PM dastevens		PROJECT DESIGNATION: IM-000S(527)68342 YEAR: 2005 SHEET NO.: F8 TOTAL SHEETS: 34	
NO.	DATE	REVISIONS DESCRIPTION	



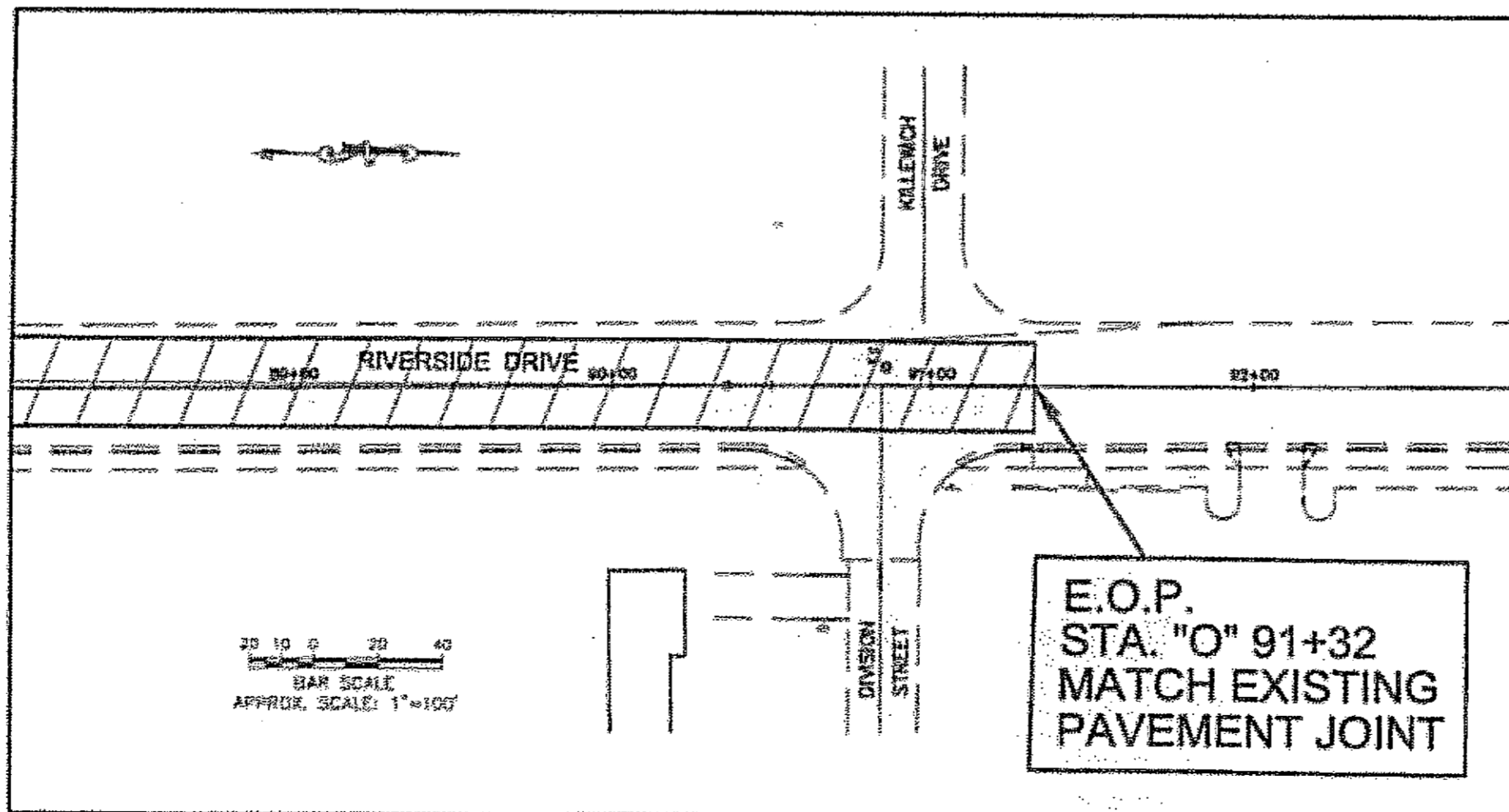
B.O.P.
STA. 10+53
MATCH EXISTING
PAVEMENT JOINT

PLAN VIEW



LEGEND:

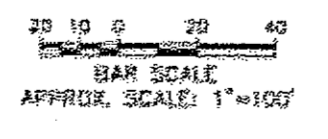
DENOTES AREA TO BE COLD PLANED AND PAVED



E.O.P.
STA. "O" 91+32
MATCH EXISTING
PAVEMENT JOINT

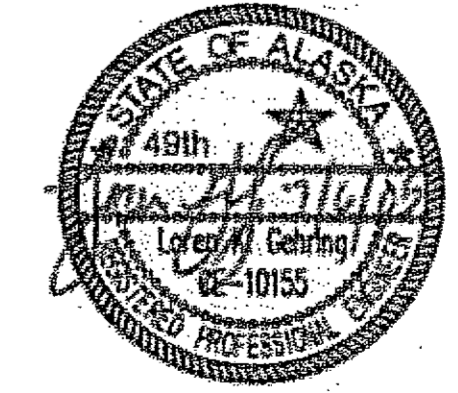
PLAN VIEW

RIVERSIDE DRIVE AT DIVISION STREET



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. STEVENS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

JNU-FFYO5 AREAWIDE PAVING
PROJECT NO. 68342

RIVERSIDE DRIVE-
EGAN DR. TO DIVISION ST.
PLAN VIEWS

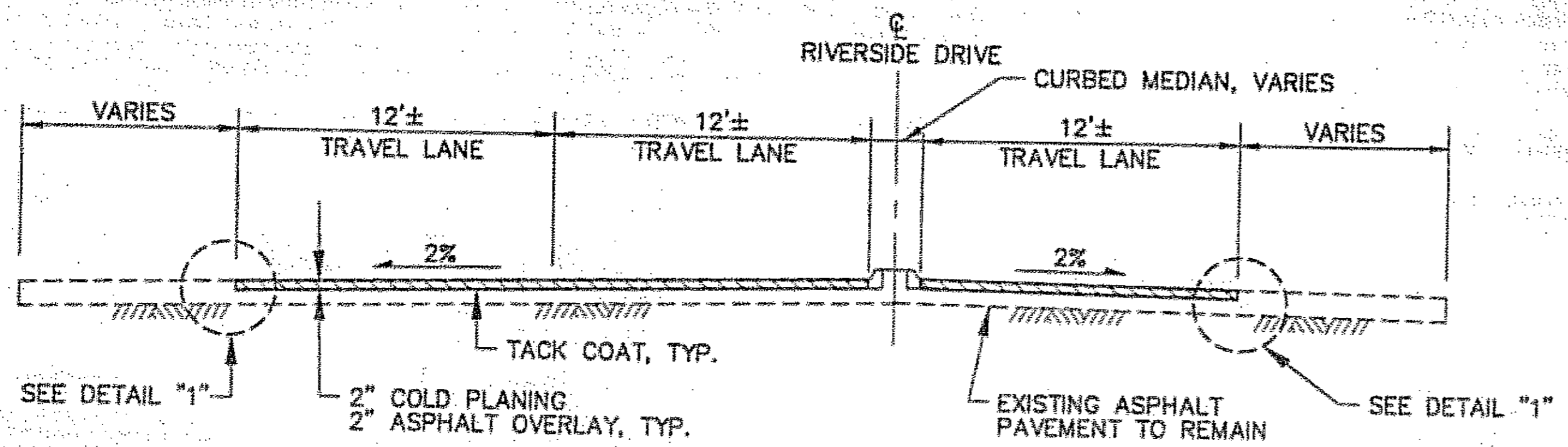
DESIGNED BY: L. GEHRING
DRAWN BY: D. STEVENS

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TAB: Layout1
Date: 06/05/05 01:12PM
dastevens

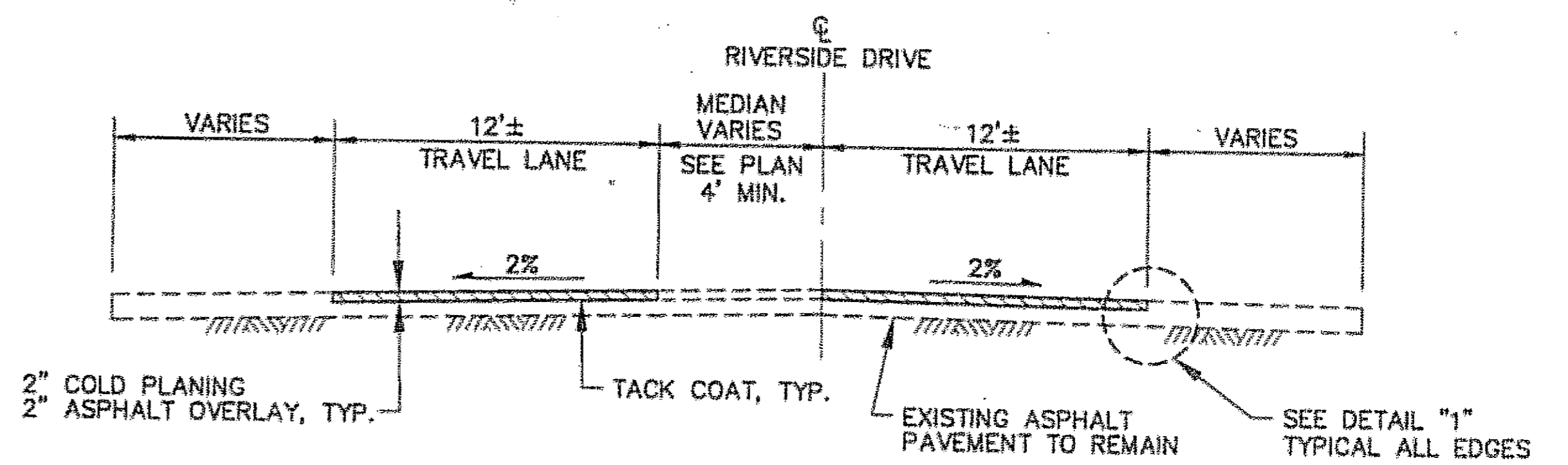
REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
IM-00S(527)68342	2005	F9	34

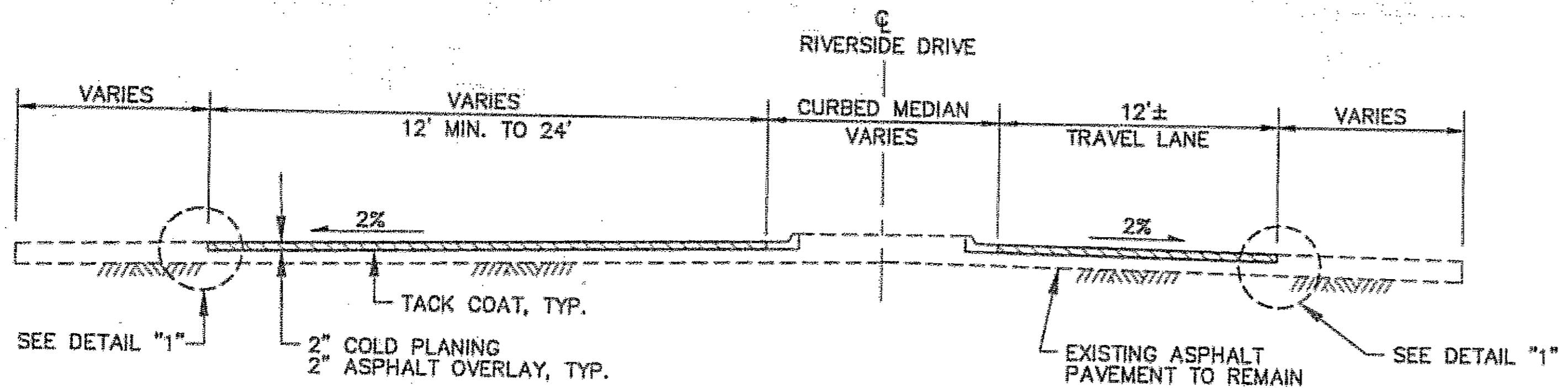
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: *[Signature]* Date: 3/1/07



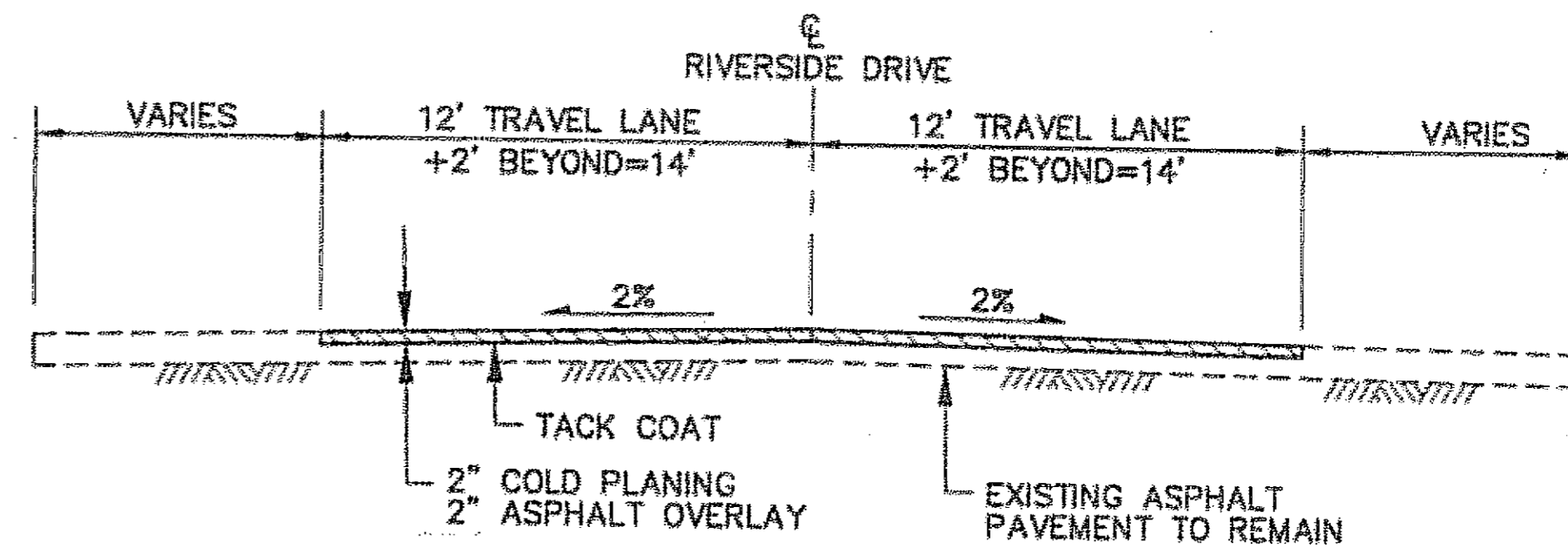
TYPICAL SECTION "A"
STA. 10+53 TO STA. 12+75



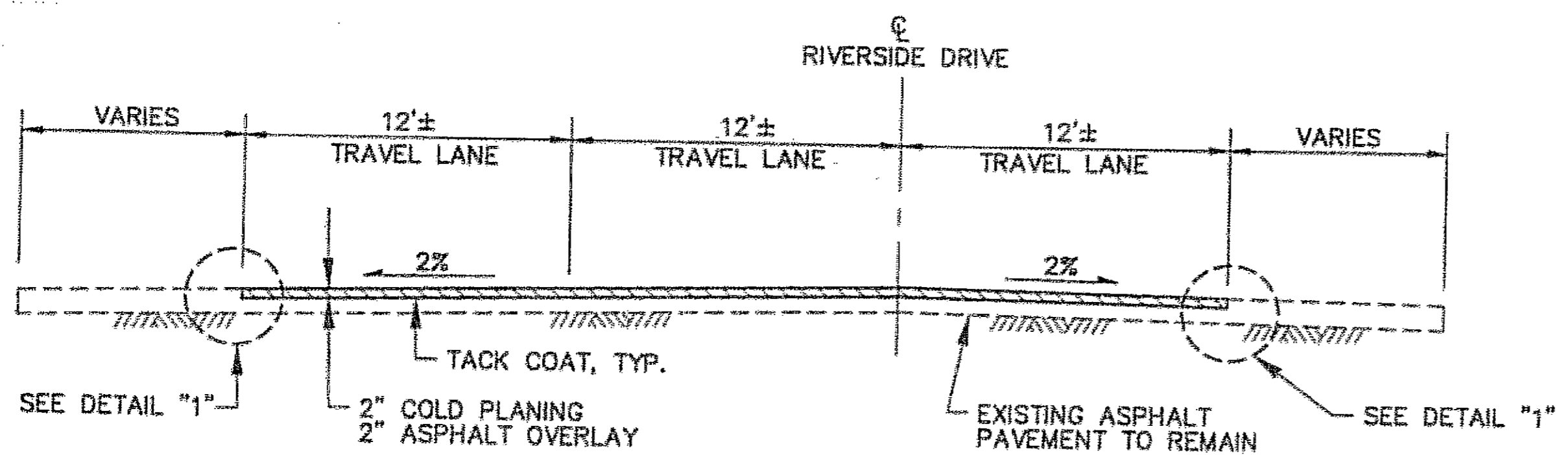
TYPICAL SECTION "D"
STA. 19+70 TO STA. 21+60



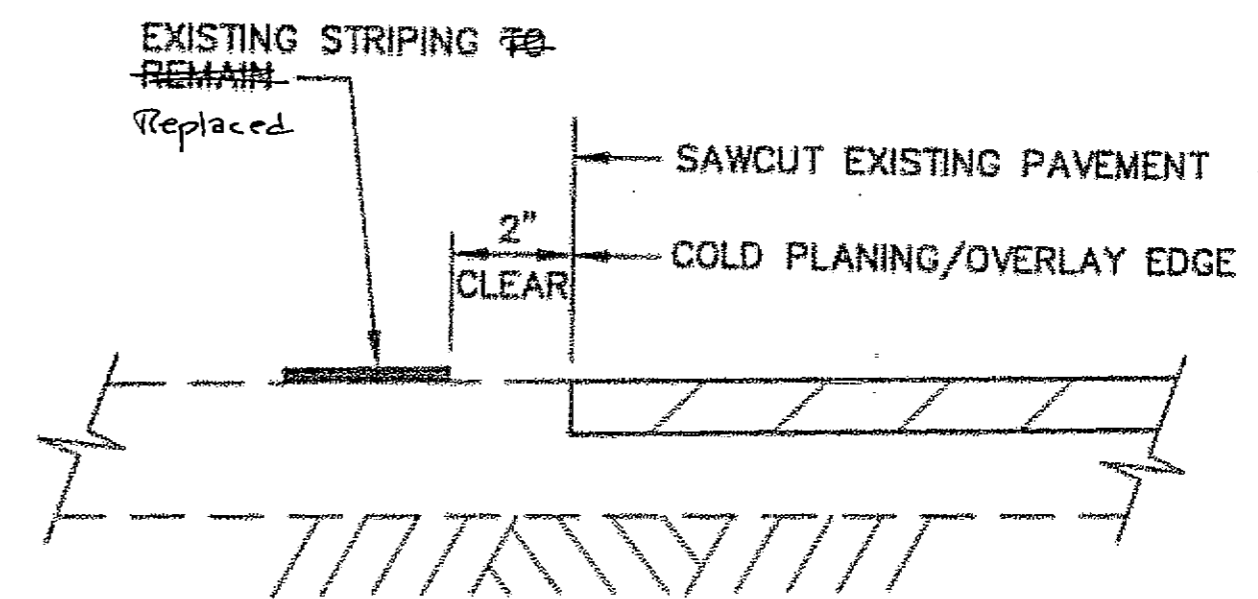
TYPICAL SECTION "B"
STA. 12+75 TO STA. 15+60



TYPICAL SECTION "E"
STA. 21+60 TO E.O.P. STA. 91+32



TYPICAL SECTION "C"
STA. 15+60 TO STA. 19+70



DETAIL "1"

STRIPING NOTES:

1. STATION 19+70 TO STA. 21+60: REPLACE EXISTING PAVEMENT MARKER WITH NEW. CUTTING EXISTING PAVEMENT MAY BE REQUIRED AT MARKER LOCATION TO OBTAIN REQUIRED DEPTH. SEE "RECESSED PAVEMENT MARKER DETAILS" SHEET.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: *[Signature]* Date 3/19/07

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. STEVENS

DESIGNED BY: L. GEHRING
DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

JNU-FFYO5 AREAWIDE PAVING
PROJECT NO. 68342

**RIVERSIDE DRIVE-
EGAN DR. TO DIVISION ST.
TYPICAL SECTIONS**

PATH: Q:\ms\68342\Plans\Sheet\Riverside.dwg
TAB: Typicals Wed, 08Jul05 01:13PM dstevens

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
IM-00S(527)68342	2005	F10	34

ESTIMATE OF QUANTITIES

ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
401(1)	ASPHALT CONCRETE, SP. TYPE B	TON	3,005
401(2)	ASPHALT CEMENT, PG-64-28	TON	180
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	7.1
408(1)	PAVEMENT COLD PLANING	SQUARE YARD	25,690
604(4)	ADJUST EXISTING MANHOLE	EACH	13
627(10)	ADJUSTMENT OF VALVE BOX	EACH	14
642(11)	ADJUST EXISTING MONUMENT CASES	EACH	4
670(8)	RECESSED PAVEMENT MARKER	EACH	227
670(10)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED

MANHOLE ADJUSTMENT SUMMARY

STATION	OFFSET	REMARKS
32+50±	13'± RT	NEAR DIAMOND PARK
33+80±	14'± RT	NEAR DIAMOND PARK
68+39	1' LT	MT. VIEW DR.
71+27	1' RT	NORTHLAND DR.
71+30±	6'± LT	NORTHLAND DR.
74+10±	5'± LT	LONG RUN DR.
74+10±	12'± LT	LONG RUN DR.
77+35	10.5' RT	GEE ST.
77+75±	8'± LT	GEE ST.
77+75±	12'± LT	GEE ST.
80+50±	8'± LT	JULEP ST.
87+47	11' LT	CEMETARY RD.
90+86	6' LT	DIVISION ST.
TOTAL= 13		

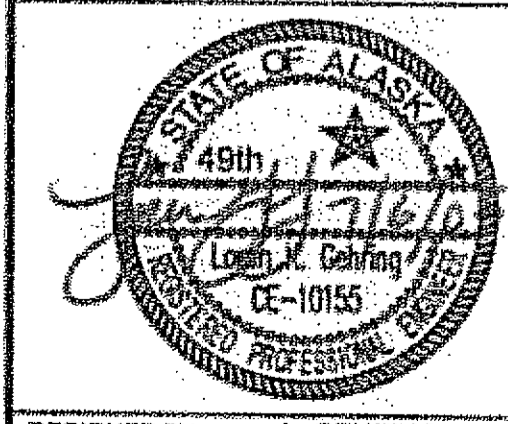
ADJUST VALVE BOX SUMMARY

STATION	OFFSET	REMARKS
27+06		
26+94	10' RT	JAMES BLVD., CONCRETE ENCASED
47+60±	13'± RT	PARKWOOD DR.
70+57	12' RT	NORTHLAND ST
70+60	14' RT	NORTHLAND ST
74+00	10' RT	LONG RUN DR
74+02	8' RT	LONG RUN DR
74+03	13' RT	LONG RUN DR
77+73	7' RT	GEE ST
77+90	10' RT	GEE ST., CONCRETE ENCASED
77+95	12' RT	GEE ST., CONCRETE ENCASED
80+47	8' RT	JULEP ST.
80+57	10' RT	JULEP ST.
80+60	13' RT	JULEP ST.
90+98	14' RT	
TOTAL= 15		

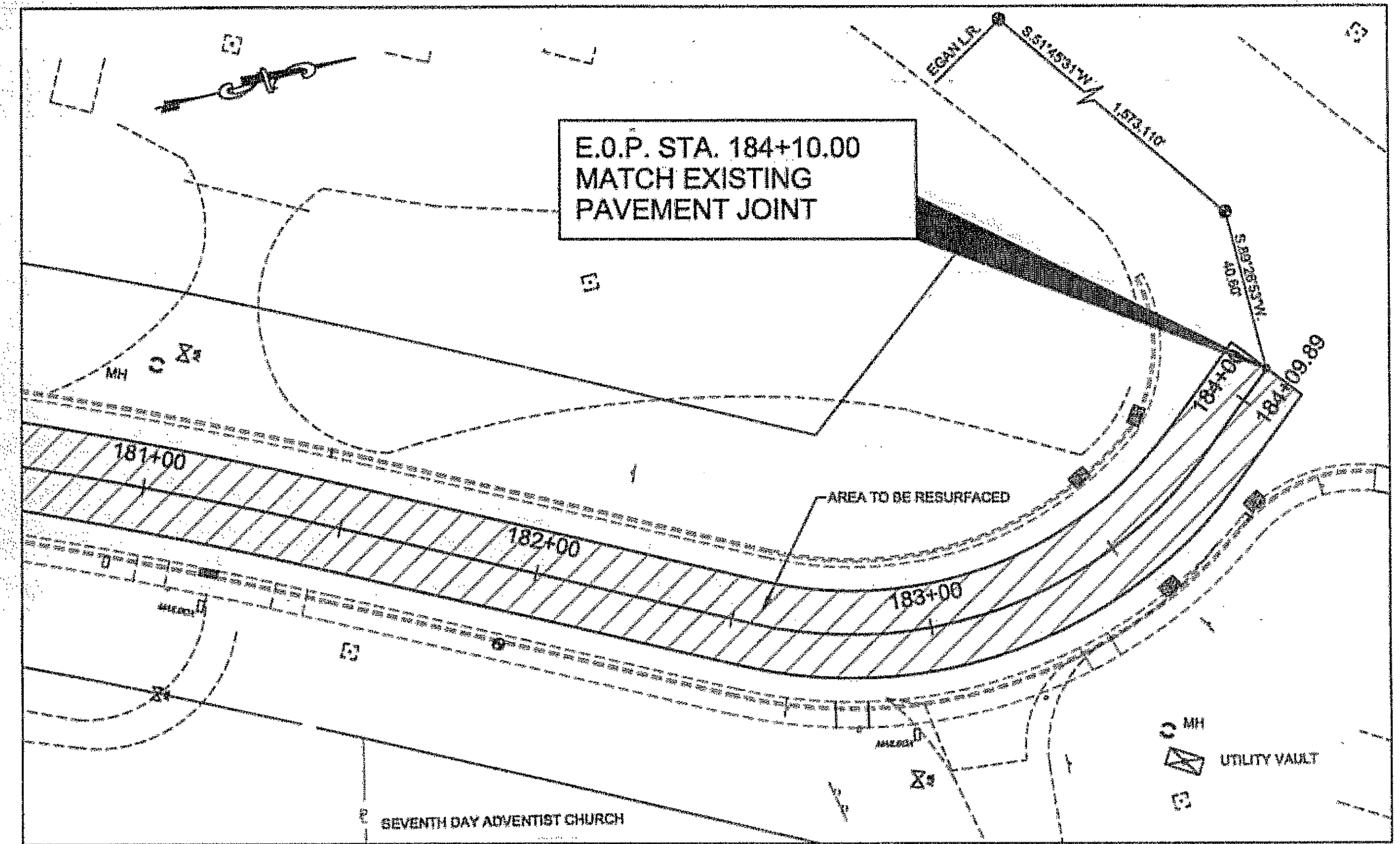
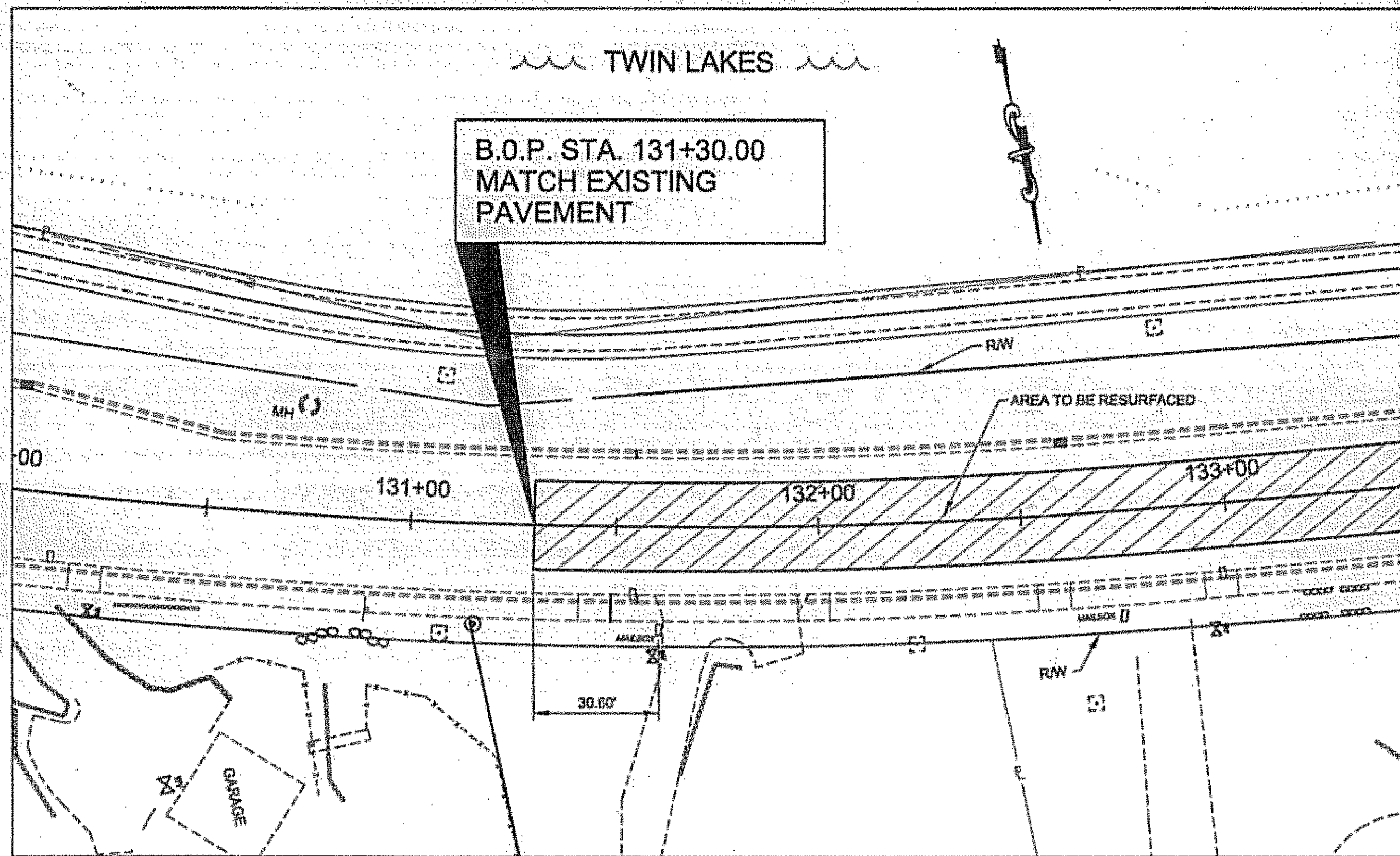
MON. CASE ADJUSTMENT SUMMARY

STATION	OFFSET	REMARKS
19+88.14	0	
22+43.67	0.33' RT	
26+70.25	0.93' LT	JAMES BLVD.
90+35.93	0	NEAR DIVISION ST.
TOTAL= 4		

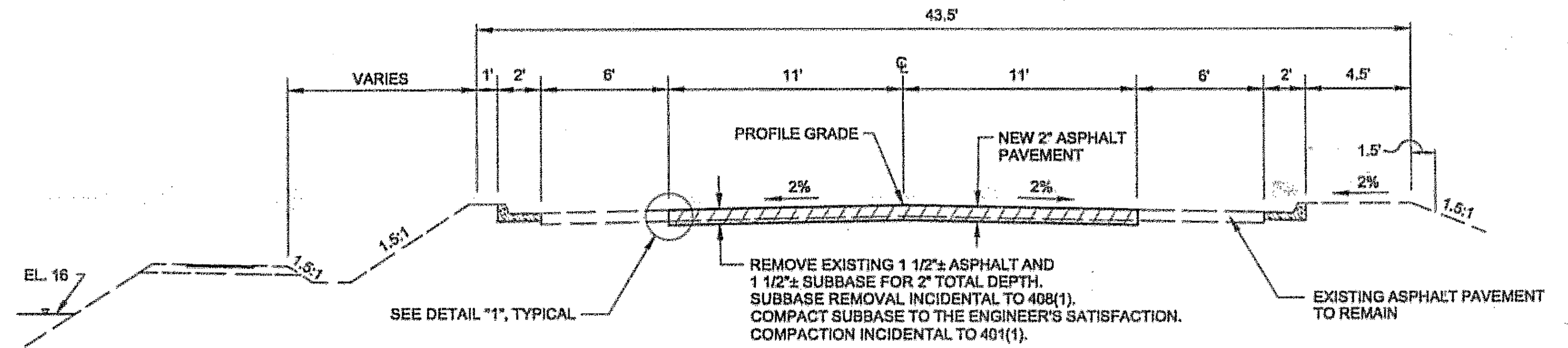
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. STEVENS  DESIGNED BY: L. GEHRING DRAWN BY: D. STEVENS PATH: Q:\In\68342\Plans\Est\EstRiverside.dwg TAB: Summaries Wnd, 08/06/05 01:13PM dastevens	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342 RIVERSIDE DRIVE- EGAN DR. TO DIVISION ST. ESTIMATE OF QUANTITIES & SUMMARY TABLES
PROJECT DESIGNATION: IM-000S(527)\68342 YEAR: 2005 SHEET NO.: F11 TOTAL SHEETS: 34	

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: *[Signature]* Date: 3/19/12

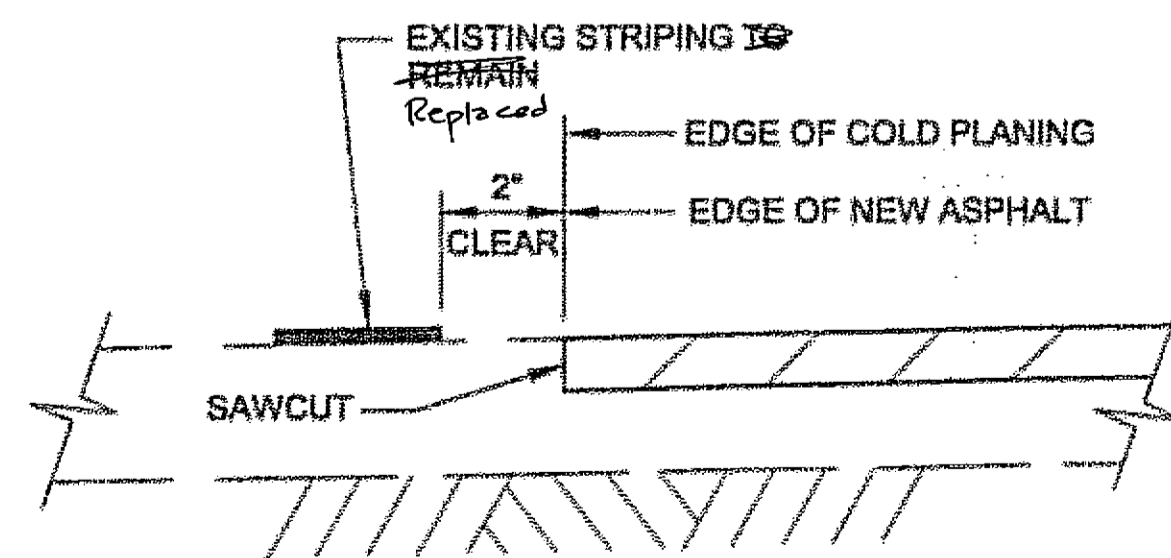


ESTIMATE OF QUANTITIES (PROJECT NO. 67887)			
ITEM NO.	PAY ITEM	PAY UNIT	QUANTITY
401(1A)	ASPHALT CONCRETE, SP, TYPE B	TON	1,510
401(2A)	ASPHALT CEMENT, PG-64-28	TON	91
408(1A)	PAVEMENT COLD PLANING	SQUARE YARD	12,910
670(8A)	RECESSED PAVEMENT MARKER	EACH	132
670(10A)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED



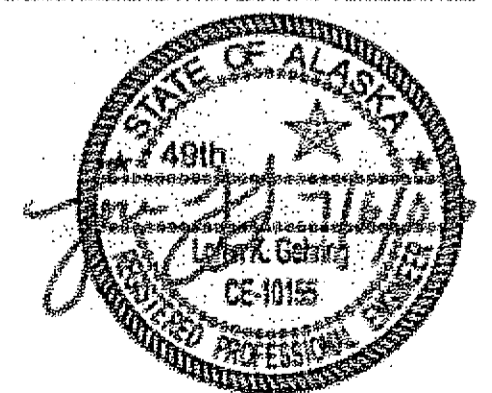
TYPICAL SECTION

STA. 131+30.00 TO STA. 184+10.00

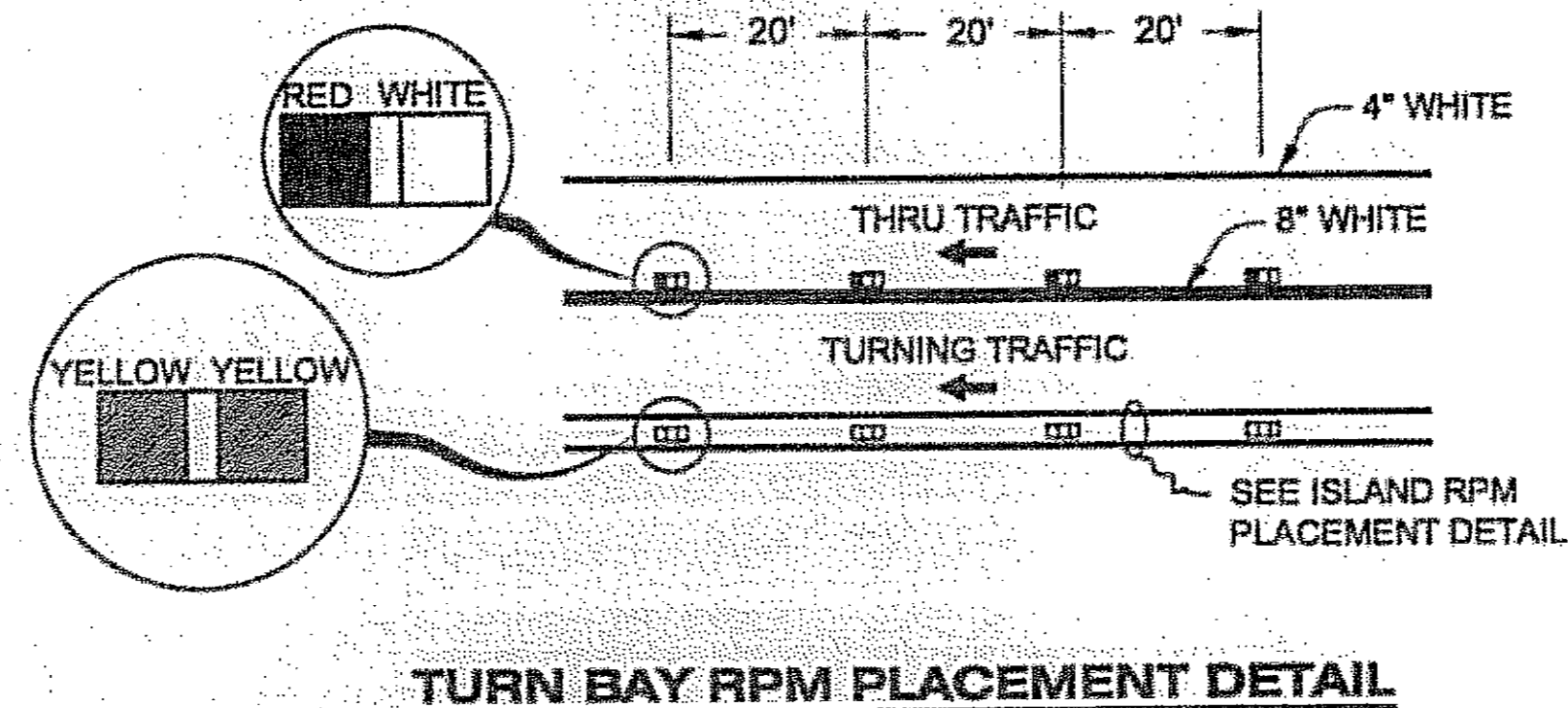
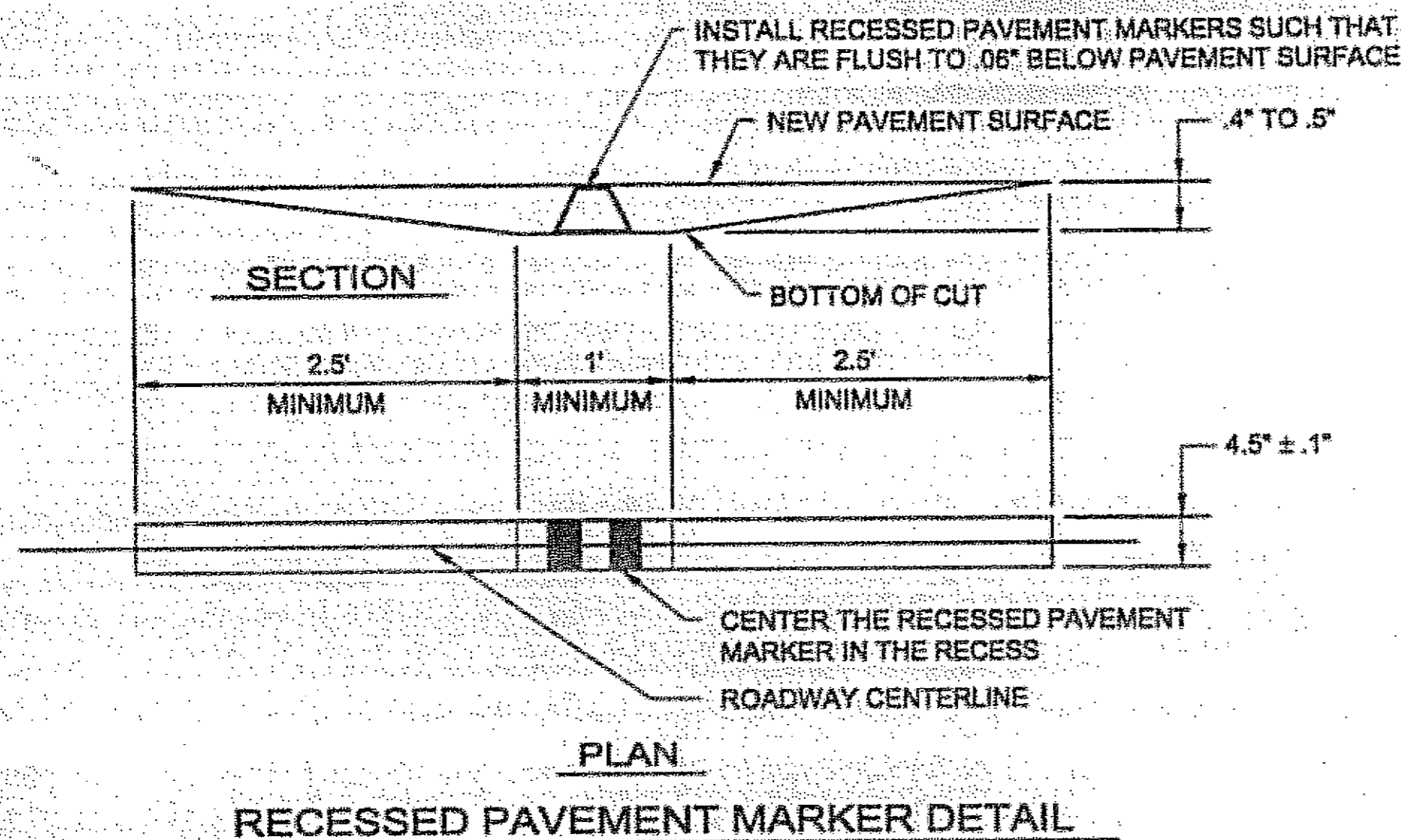


DETAIL "1"

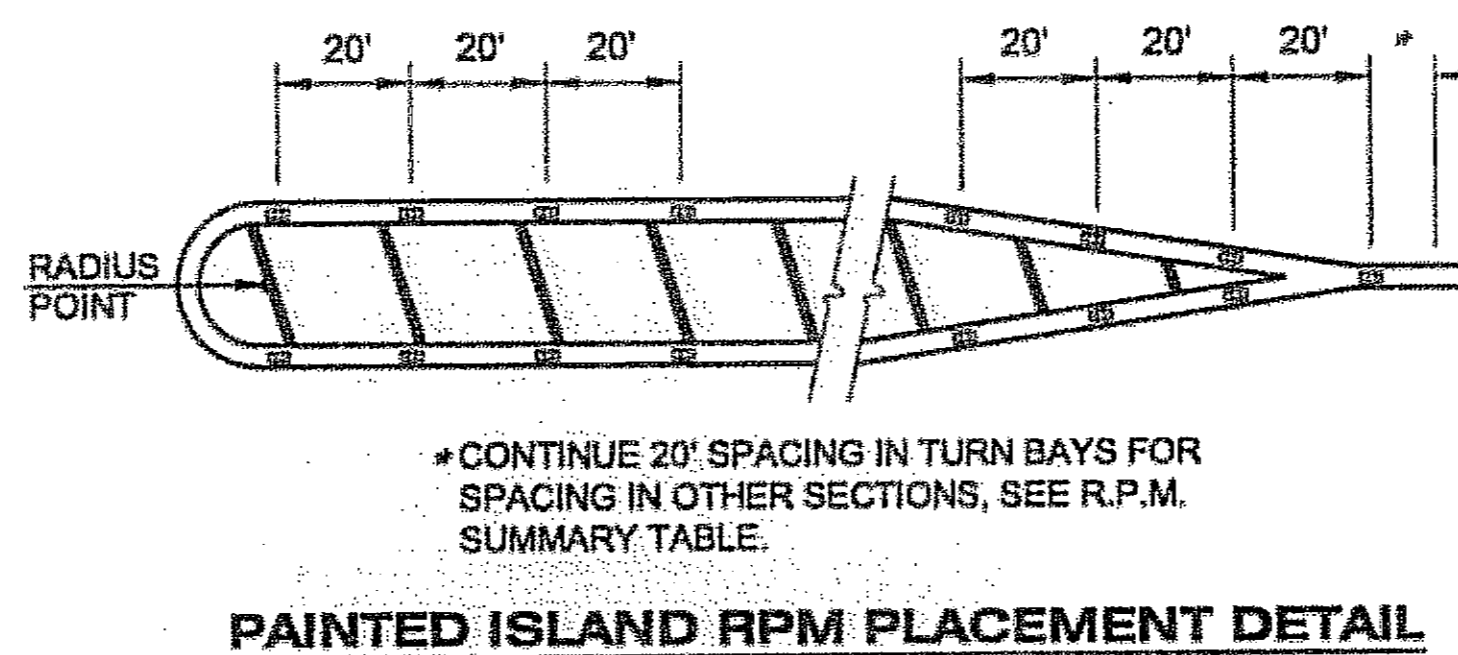
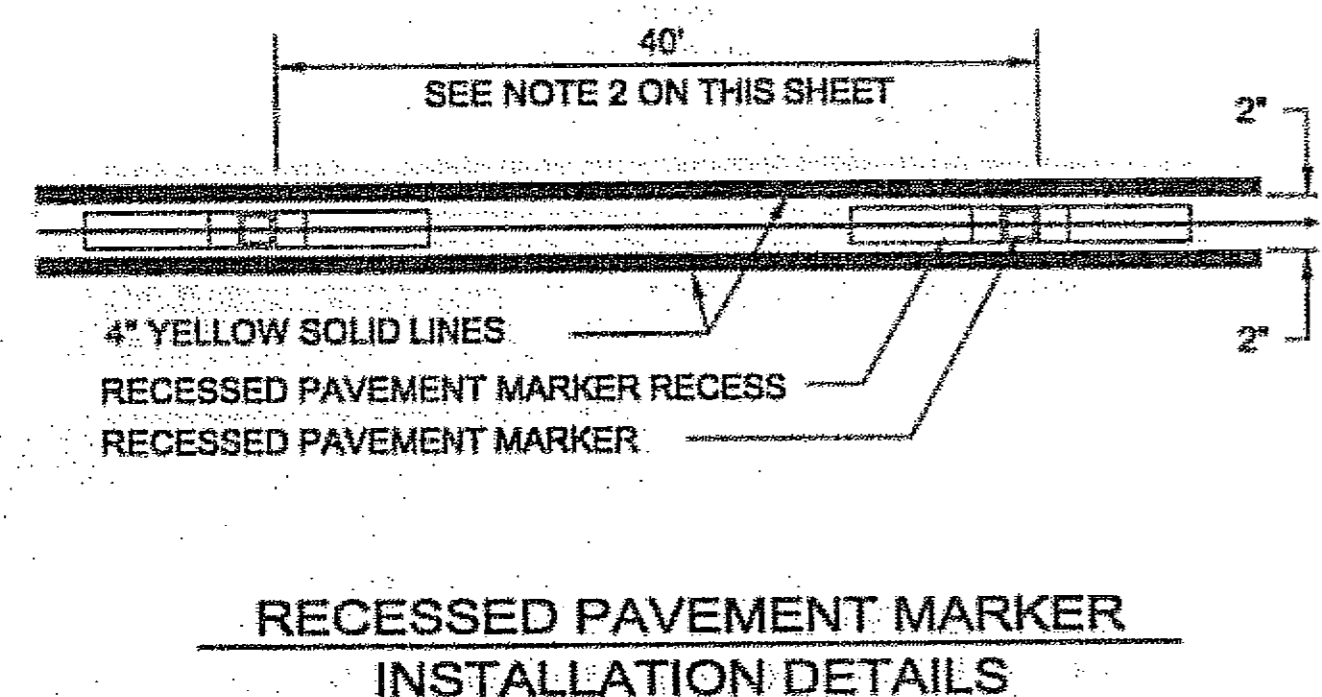
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. STEVENS 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION TWIN LAKES DRIVE PAVEMENT REFURBISHMENT PROJECT NO. 67887 TWIN LAKES DRIVE PLAN VIEWS & TYPICAL SECTION						
DESIGNED BY: L. GEHRING DRAWN BY: D. STEVENS PATH: Q:\In\68342\Phase1\TwinLakes.dwg TAB: PLAN1 Wed, 06/JUN/05 01:24PM dastevens	<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION			
NO.	DATE	DESCRIPTION					
PROJECT DESIGNATION IM-000S(481)67887	YEAR 2005	SHEET NO. F12	TOTAL SHEETS 34				

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: *[Signature]* Date: *3/14/07*

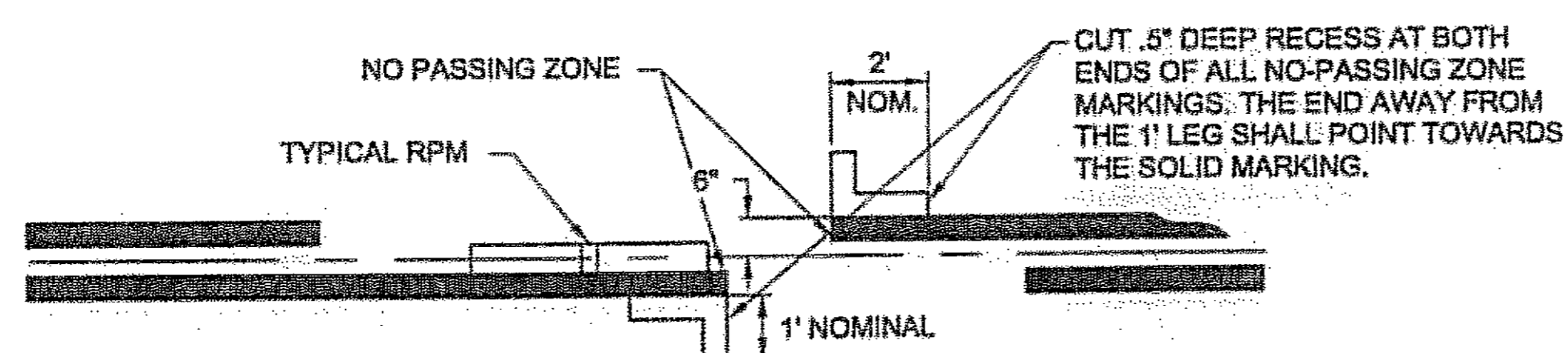


R.P.M. SUMMARY TABLE		
LOCATION	YELLOW/YELLOW	WHITE/RED
TWIN LAKES DRIVE	132	
LEMON ROAD	224	
MENDENHALL LOOP	325	150
DOUGLAS HIGHWAY	207	
RIVERSIDE DRIVE	202	25
BROTHERHOOD BRIDGE	10	
SUM	1100	175
TOTAL	1275	



RECESSED PAVEMENT MARKER NOTES

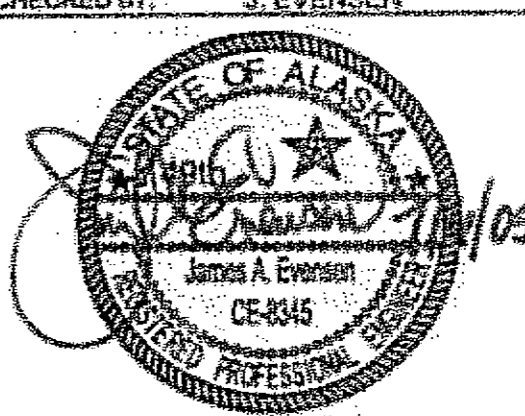
- RECESSED PAVEMENT MARKERS (R.P.M.'s) SHALL BE INSTALLED BETWEEN THE B.O.P. AND THE E.O.P.
- R.P.M.'s SHALL BE SPACED AT 40' SPACING, UNLESS OTHERWISE NOTED.
- ON ALL ROADWAY SECTIONS WITH DOUBLE LINES (EITHER BROKEN OR SOLID) R.P.M.'s SHALL BE PLACED BETWEEN THE LINES, ON SECTIONS OF ROADWAY WITH SINGLE BROKEN LINES THE R.P.M.'s SHALL BE PLACED ON THE CENTERLINE BETWEEN THE STRIPES.
- THE LOCATIONS OF ALL PASSING AND NO-PASSING ZONES SHALL BE DETERMINED AND LOCATED IN THE FIELD BY THE ENGINEER.

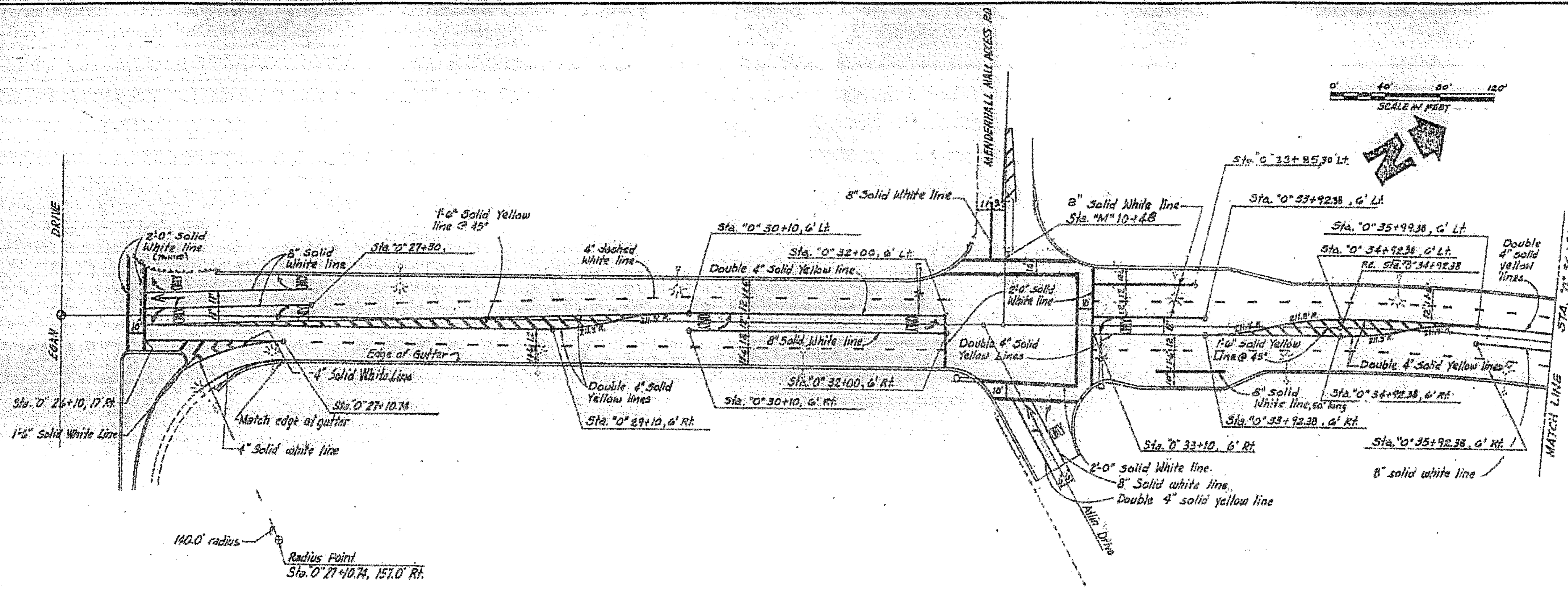


NO-PASSING GROOVES
N.T.S.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 3/15/07

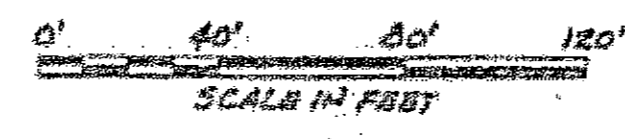
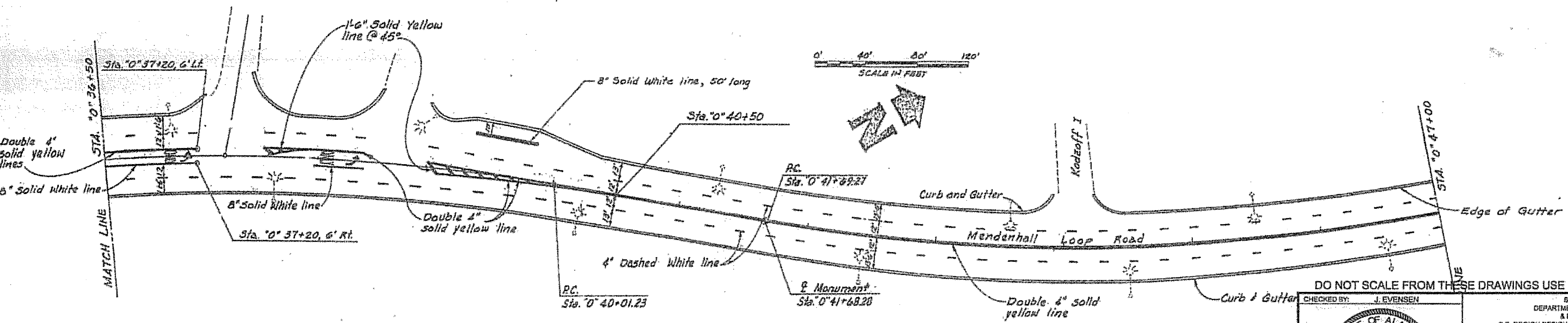
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFYO5 AREAWIDE PAVING PROJECT NO. 68342	
DESIGNED BY: R. PURVES DRAWN BY: D. STEVENS		RECESSED PAVEMENT MARKER DETAILS	
PATH: Q:\In\68342\PlanSet\J_Details.dwg TAB: J1 Wed, 06/20/05 01:24PM		PROJECT DESIGNATION: IM-000S(527)68342 YEAR: 2005 SHEET NO.: J1 TOTAL SHEETS: 34	



GENERAL NOTES

1. Dimensioning of striping are to the centerline of striping, and/or gutter edge.
2. Install arrows and the word 'ONLY' as shown.



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN

DESIGNED BY: R. PURVES
 DRAWN BY: D. STEVENS
 PATH: C:\nu\68342\PlanSet\striping.dwg
 TAB: P1 Wed, 06/Jul/05 01:25PM dastevens

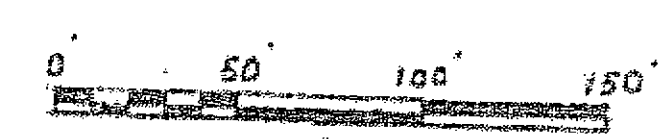
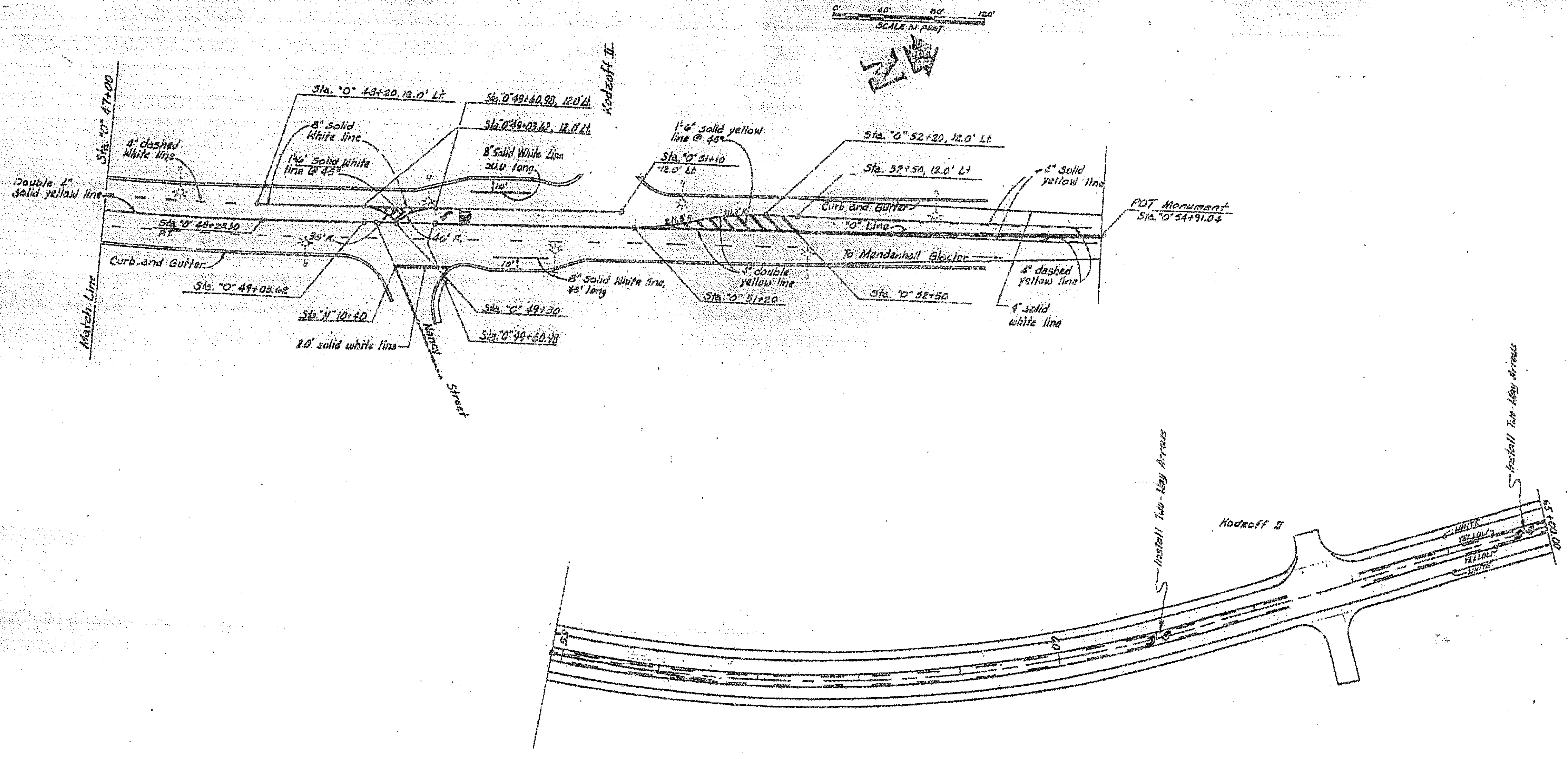
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

**JNU-FFY05 AREAWIDE PAVING
 PROJECT NO. 68342**

**RIVERSIDE DRIVE-
 EGAN DR. TO DIVISION ST.
 STRIPING PLANS**

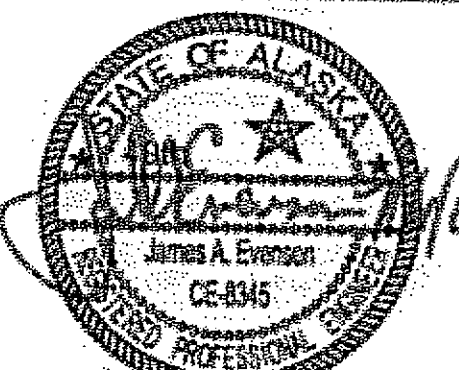
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: [Signature] Date: 3/19/07

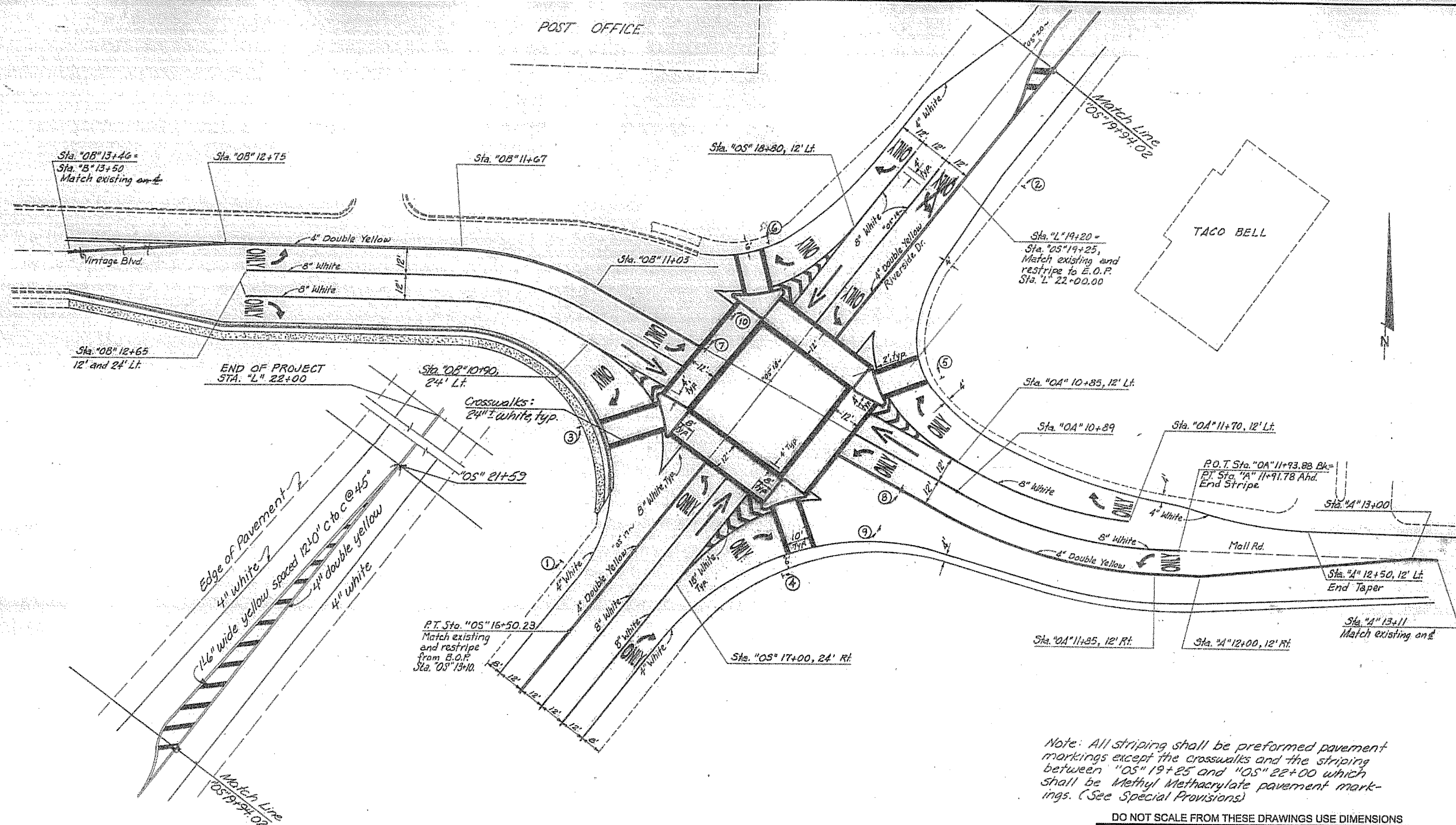
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			IM-00S(527)68342	2005	P1	34



Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 3/11/17

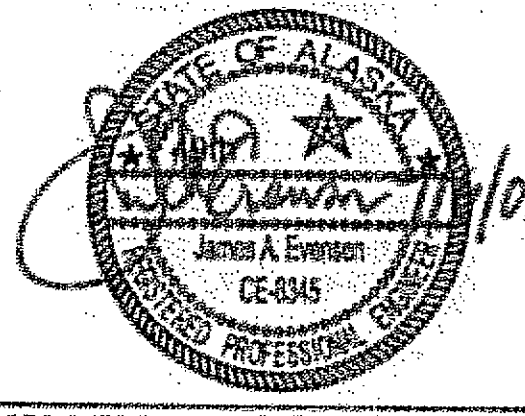
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342		
DESIGNED BY: R. PURVES DRAWN BY: D. STEVENS		RIVERSIDE DRIVE- EGAN DR. TO DIVISION ST. STRIPING PLANS		
PATH: Q:\net\68342\Plans\AS\striping.dwg TAB: P2 Wed, 08/14/05 01:25PM dastevens		PROJECT DESIGNATION IM-00S(527)\68342	YEAR 2005	
NO.	DATE	REVISIONS DESCRIPTION	SHEET NO. P2	TOTAL SHEETS 34

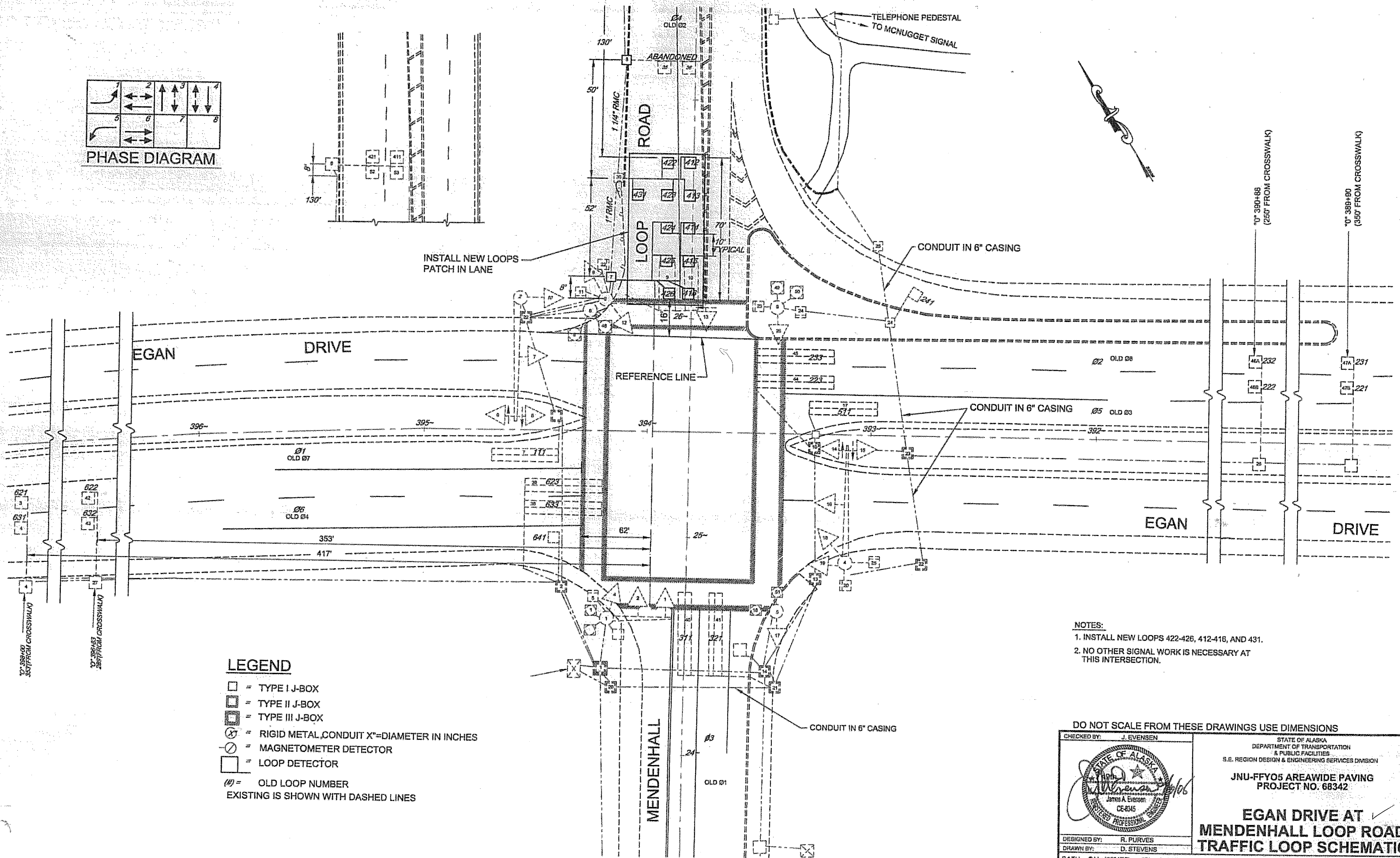
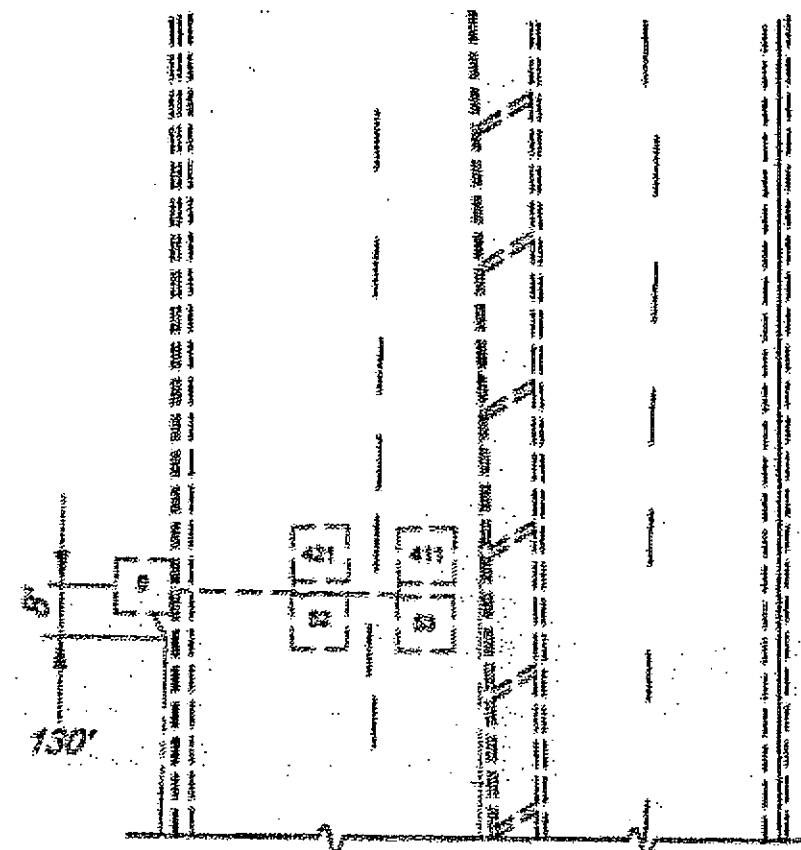
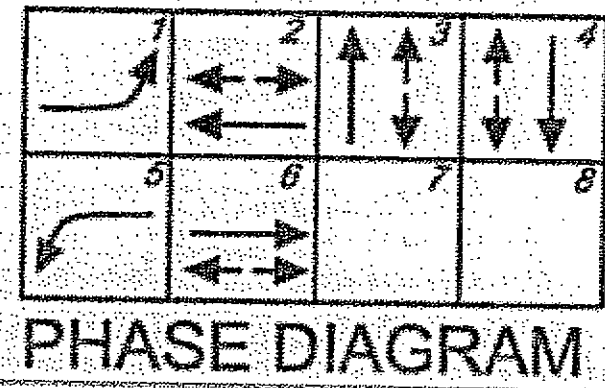


Note: All striping shall be performed pavement markings except the crosswalks and the striping between "05" 19+25 and "05" 22+00 which shall be Methyl Methacrylate pavement markings. (See Special Provisions)

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION	
DESIGNED BY: R. PURVES DRAWN BY: D. STEVENS		JNU-FFYO5 AREAWIDE PAVING PROJECT NO. 68342 RIVERSIDE DRIVE- EGAN DR. TO DIVISION ST. STRIPING PLANS	
PATH: Q:\nu68342\Plans\05Signing.dwg TAB: P3 REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION: IM-000S(527)68342 YEAR: 2005 SHEET NO.: P3 TOTAL SHEETS: 34	

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: [Signature] Date: 3/19/07



- NOTES:
1. INSTALL NEW LOOPS 422-426, 412-416, AND 431.
 2. NO OTHER SIGNAL WORK IS NECESSARY AT THIS INTERSECTION.

- 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

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN

DESIGNED BY: R. PURVES
DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

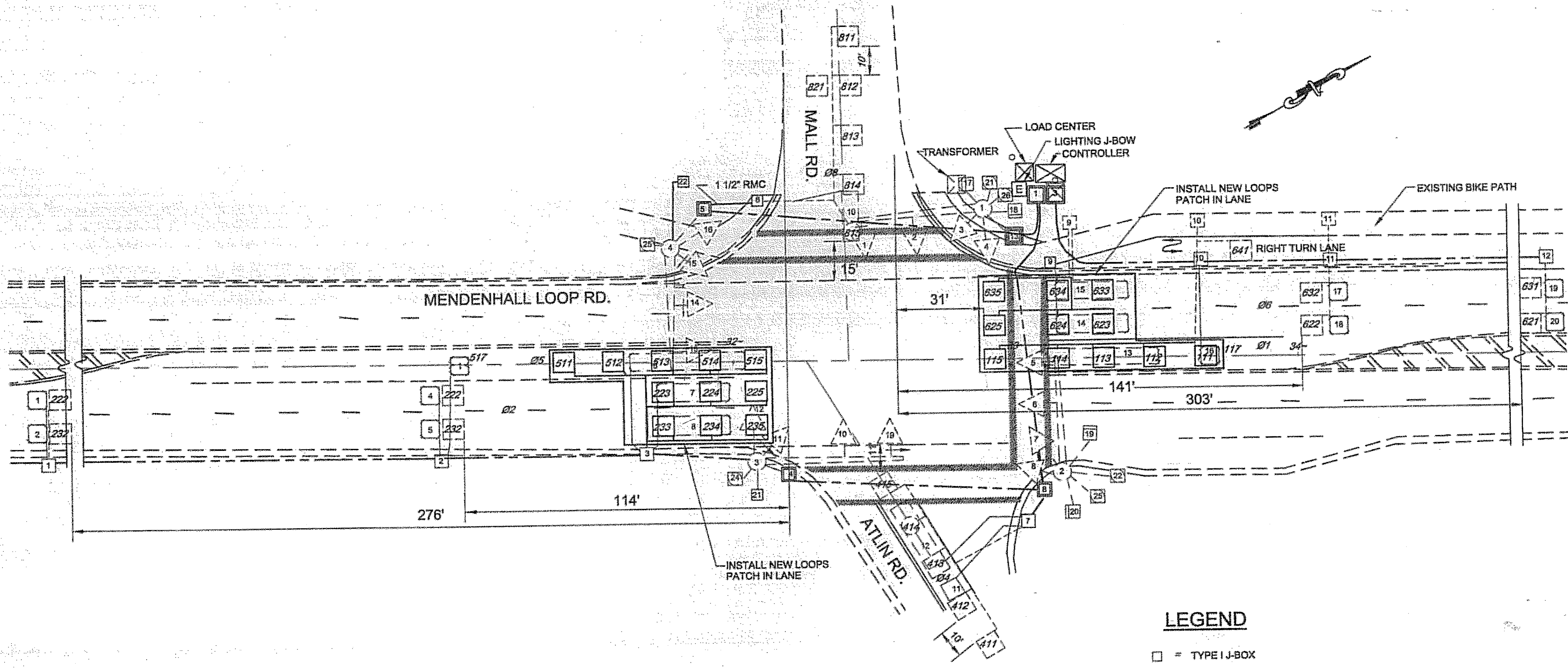
JNU-FFY05 AREAWIDE PAVING
PROJECT NO. 68342

EGAN DRIVE AT MENDENHALL LOOP ROAD TRAFFIC LOOP SCHEMATIC

PATH: C:\nuu\68342\Plans\RRiversideTCP.dwg
TAD: LAYOUT4 Wed, 06Jul05 01:26PM dastevens

NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			IM-000S(527)68342	2005	Q1	34

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 3/19/07

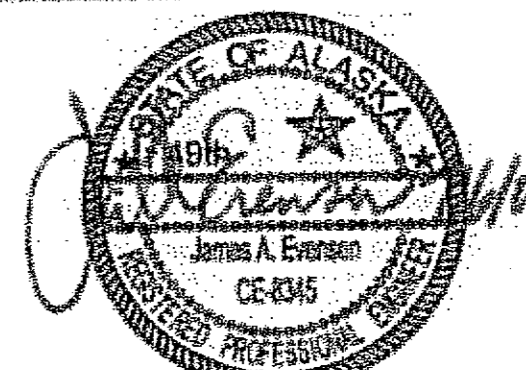


- NOTES:**
1. INSTALL NEW LOOPS 511-515, 223-225, 233-235, 111-115, 623-625 AND 633-635.
 2. NO OTHER SIGNAL WORK IS REQUIRED UNLESS OTHER LOOPS ARE DAMAGED BY CONSTRUCTION.

LEGEND

- = TYPE I J-BOX
 - ▣ = TYPE II J-BOX
 - ▤ = TYPE III J-BOX
 - ⊗ = RIGID METAL CONDUIT X"=DIAMETER IN INCHES
 - ⊘ = MAGNATOMETER DETECTOR
 - = LOOP DETECTOR
 - = BIKE DETECTOR
- EXISTING IS SHOWN WITH DASHED LINES

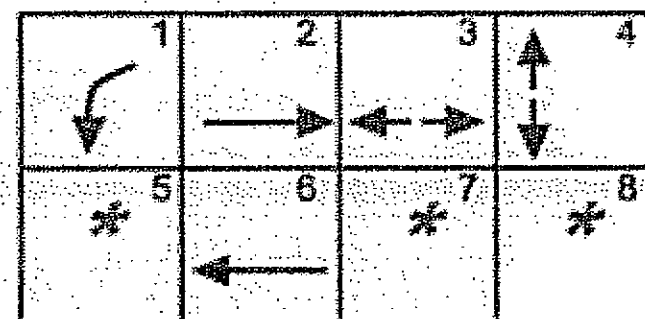
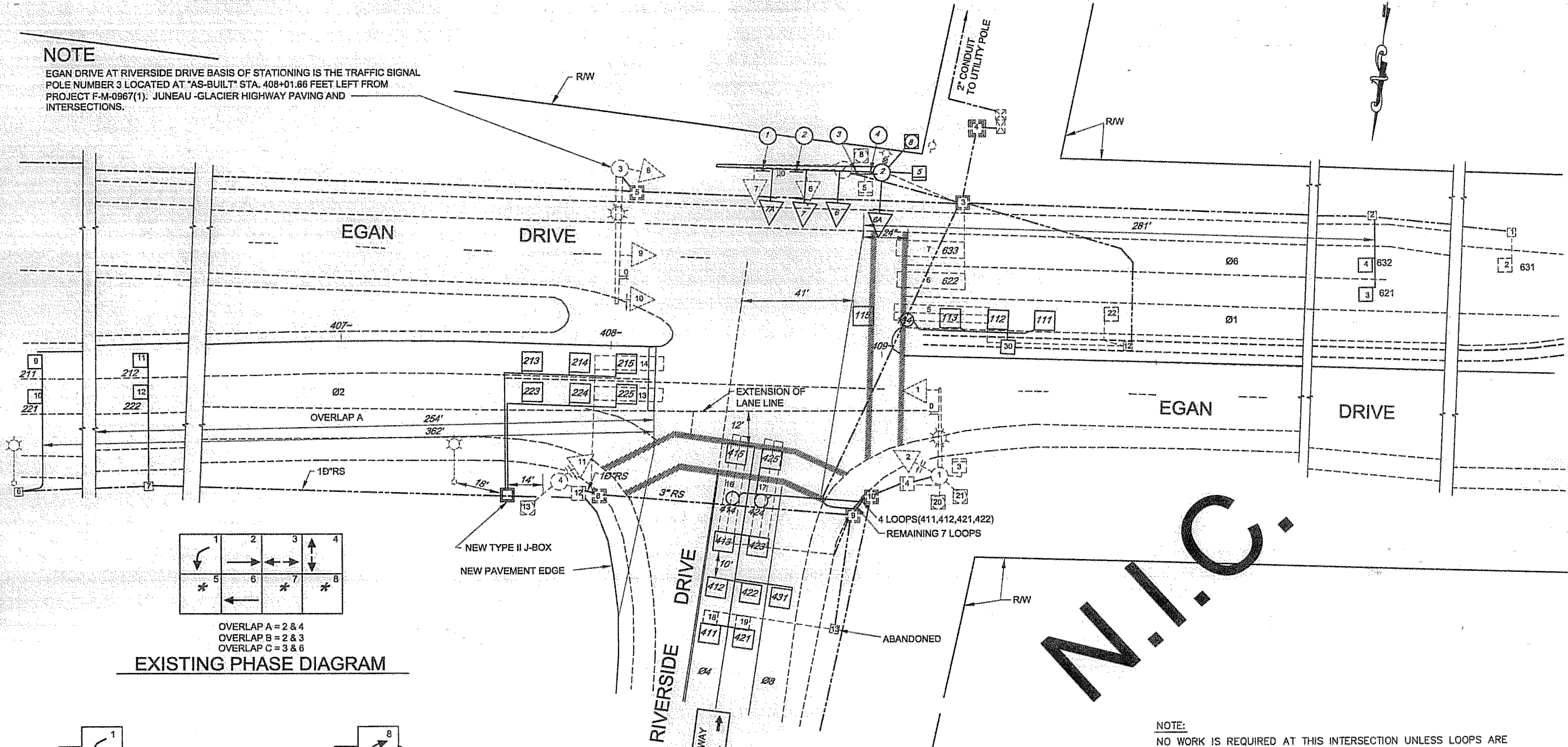
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

<p>CHECKED BY: J. EVENSEN</p>  <p>DESIGNED BY: R. PURVES DRAWN BY: D. STEVENS</p> <p>PATH: Q:\m\68342\Plans\LOOP_04.dwg TAB: ATLIN-MALL Wed, 06/Jul/05 01:27PM dustevens</p>	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION</p> <p>JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342</p> <p>MENDENHALL LOOP ROAD AT ATLIN/MALL ROAD TRAFFIC LOOP SCHEMATIC</p>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS			NO.	DATE	DESCRIPTION				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">PROJECT DESIGNATION</td> <td style="width: 10%;">YEAR</td> <td style="width: 10%;">SHEET NO.</td> <td style="width: 20%;">TOTAL SHEETS</td> </tr> <tr> <td>IM-000S(527)68342</td> <td>2005</td> <td>Q2</td> <td>34</td> </tr> </table>	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	IM-000S(527)68342	2005	Q2	34
REVISIONS																		
NO.	DATE	DESCRIPTION																
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS															
IM-000S(527)68342	2005	Q2	34															

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: [Signature] Date: 3/19/07

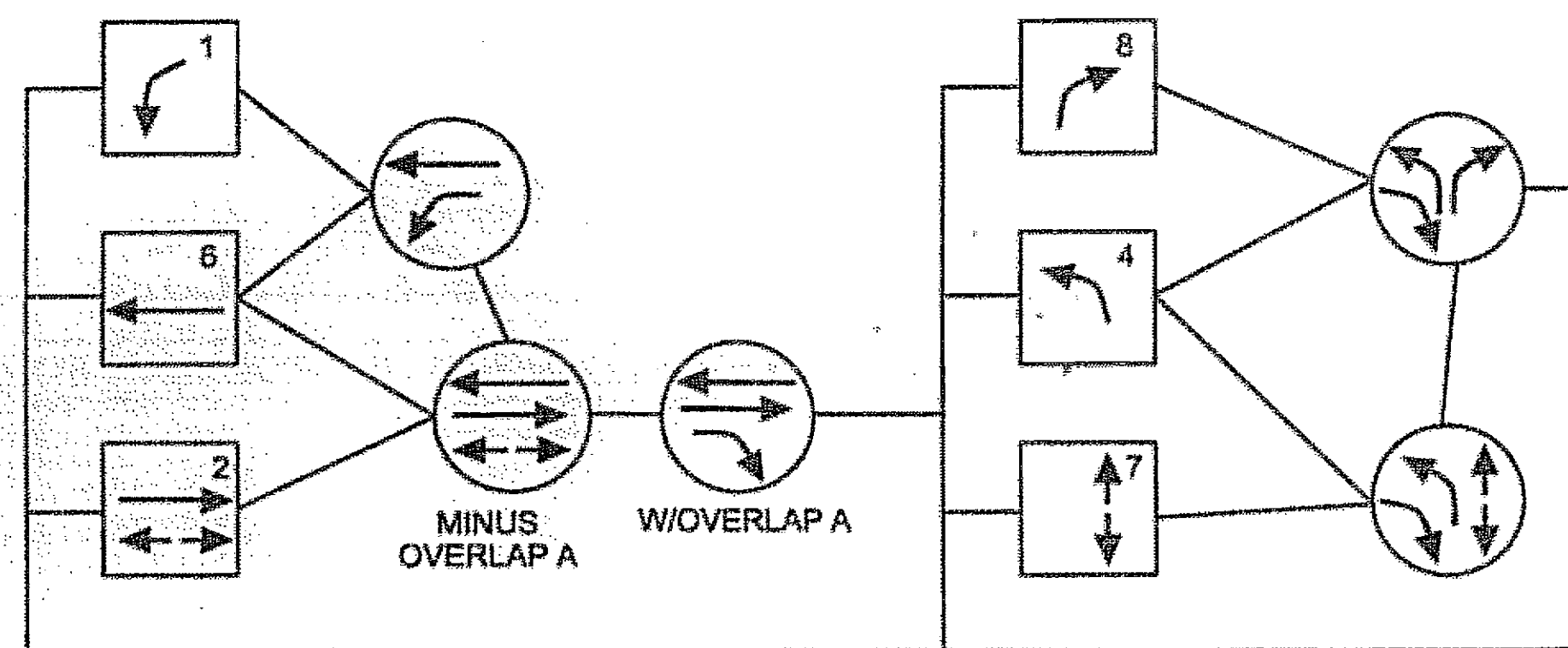
NOTE

EGAN DRIVE AT RIVERSIDE DRIVE BASIS OF STATIONING IS THE TRAFFIC SIGNAL POLE NUMBER 3 LOCATED AT "AS-BUILT" STA. 408+01.66 FEET LEFT FROM PROJECT F-M-0967(1). JUNEAU - GLACIER HIGHWAY PAVING AND INTERSECTIONS.



OVERLAP A = 2 & 4
 OVERLAP B = 2 & 3
 OVERLAP C = 3 & 6

EXISTING PHASE DIAGRAM



OVERLAP A = Ø2-PED +4

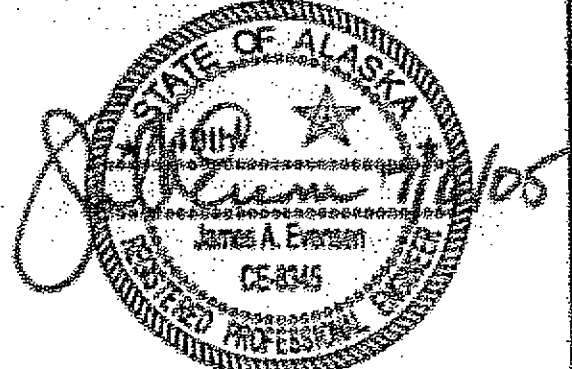
NEW PHASE DIAGRAM

LEGEND

- = TYPE I J-BOX
- ▣ = TYPE II J-BOX
- ▤ = TYPE III J-BOX
- ⊗ = RIGID METAL CONDUIT X"=DIAMETER IN INCHES
- ⊘ = MAGNETOMETER DETECTOR
- = LOOP DETECTOR
- = BICYCLE LOOP DETECTOR

NOTE:
 NO WORK IS REQUIRED AT THIS INTERSECTION UNLESS LOOPS ARE DAMAGED BY CONSTRUCTION ACTIVITIES.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342 EGAN DRIVE AT RIVERSIDE DRIVE TRAFFIC LOOP SCHEMATIC																					
DESIGNED BY: R. PURVES DRAWN BY: D. STEVENS PATH: Q:\m\68342\PlanSet\RiversideTCP.dwg TAB: LAYOUT2 Date: 08/01/05 01:47PM daalavens	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">REVISIONS</th> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td>IM-000S(527)68342</td> <td>2005</td> <td>Q4</td> <td>34</td> </tr> </tbody> </table>	REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE	DESCRIPTION								IM-000S(527)68342	2005	Q4	34
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS																
NO.	DATE	DESCRIPTION																				
			IM-000S(527)68342	2005	Q4	34																

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: [Signature] Date: 3/1/07

RIVERSIDE DRIVE AT VINTAGE/MALL ROAD BASIS OF STATIONING IS THE TRAFFIC SIGNAL POLE NO. 1 LOCATED AT "AS BUILT" STA. 17+10, 33 FEET LEFT FROM PROJECT M-0967(3), JUNEAU RIVERSIDE/VINTAGE INTERSECTION 1989.

POST OFFICE

NOTES:

1. INSTALL LOOPS 512-516, 223-225, 112-116, AND 623-625.
2. NO OTHER WORK IS NECESSARY UNLESS LOOPS ARE DAMAGED BY CONSTRUCTION ACTIVITIES.

INSTALL NEW LOOPS PATCH IN LANE

WITH LIGHTING COVER

VINTAGE DRIVE

MATCH LINE "L" 20+00

INSTALL NEW LOOPS PATCH IN LANE

EXTENSION OF CURBED ISLANDS

MALL ROAD

UNDERGROUND TO LOAD CENTER

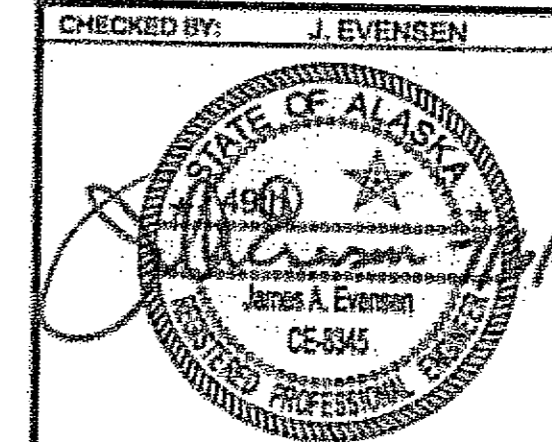
OVERHEAD TO TRANSFORMER

RIVERSIDE DRIVE

LEGEND

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

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

JNU-FFY05 AREA WIDE PAVING
PROJECT NO. 68342

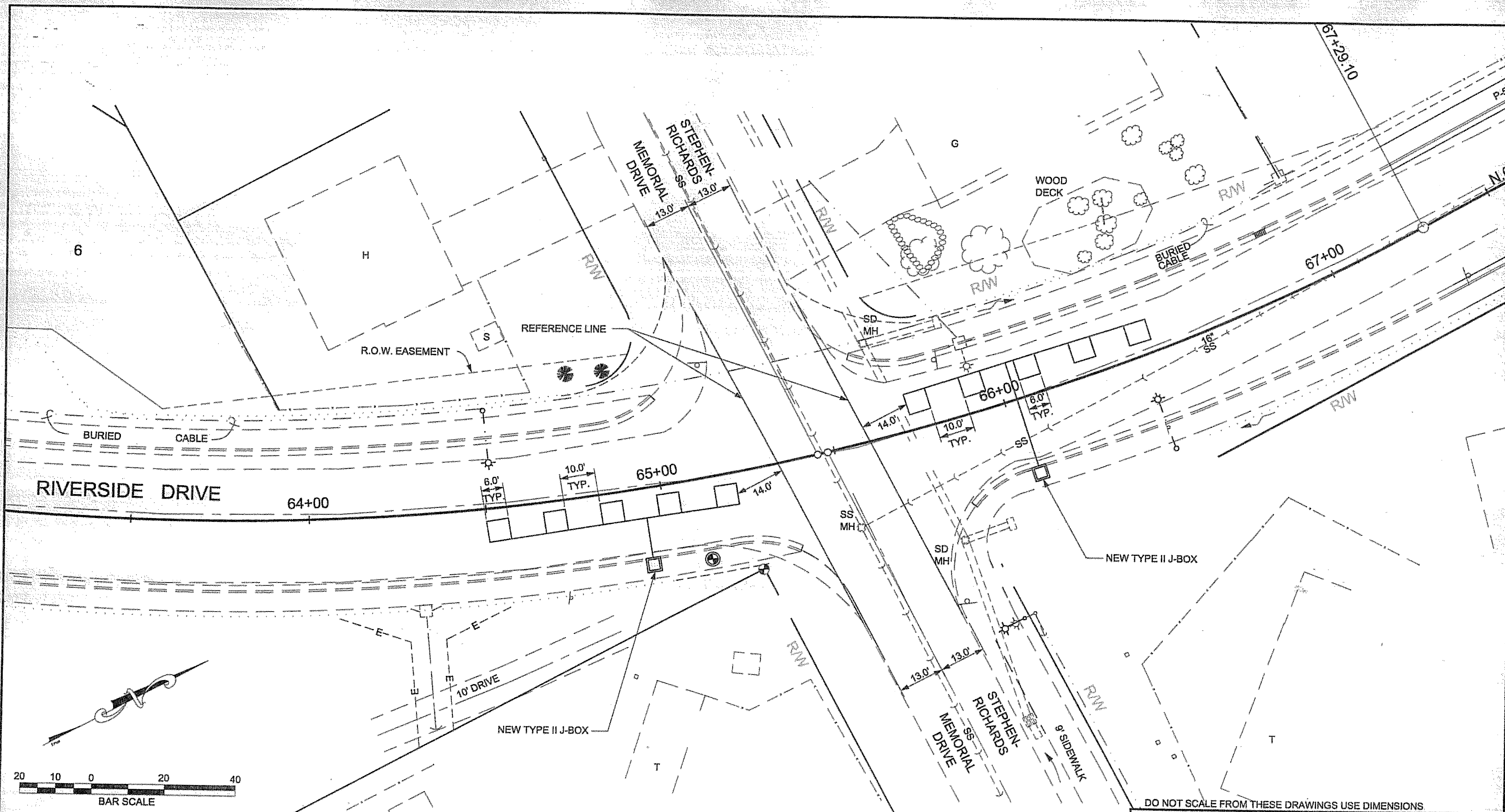
RIVERSIDE DRIVE AT VINTAGE/MALL ROAD TRAFFIC LOOP SCHEMATIC

DESIGNED BY: R. PURVES
DRAWN BY: D. STEVENS

PATH: Q:\m\68342\Plans\Traffic\Loop\Loop1.dwg
TAB: Layout1 Wed, 09/10/05 01:28PM

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: [Signature] Date: 3/1/07

NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			IM-000S(527)68342	2005	Q5	34



NOTE:
 INSTALL 5 LOOPS IN EACH DIRECTION.
 TAKE CONDUITS FROM LOOPS TO A
 TYPE 2 JUNCTION BOX, TERMINATE
 LOOP ENDS IN A WATERTIGHT SPLICE KIT.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN

DESIGNED BY: R. PURVES
 DRAWN BY: D. STEVENS

PATH: Q:\m\68342\plans\tr\river\tr\loop.dwg
 TAB: LAYOUT3 Wed, 08Jul05 01:23PM

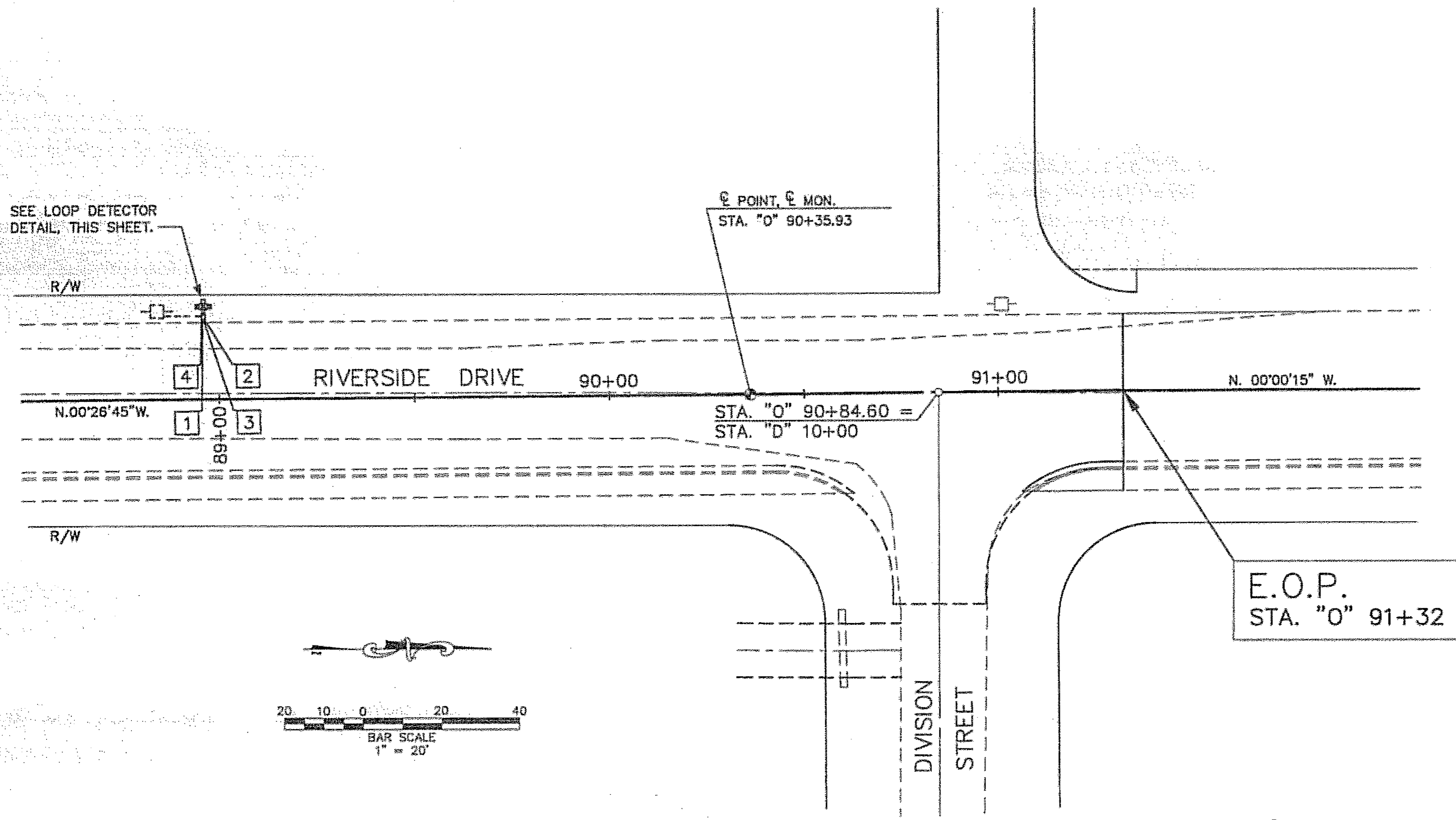
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

JNU-FFY05 AREAWIDE PAVING
 PROJECT NO. 68342

**RIVERSIDE DRIVE AT
 STEPHEN-RICHARDS
 MEMORIAL DRIVE
 TRAFFIC LOOP SCHEMATIC**

Project As-Built Drawings have been
 reviewed by the Project Engineer and
 represent to the best of my knowledge,
 the project as constructed.
 PE: *[Signature]* Date: 5/16/07

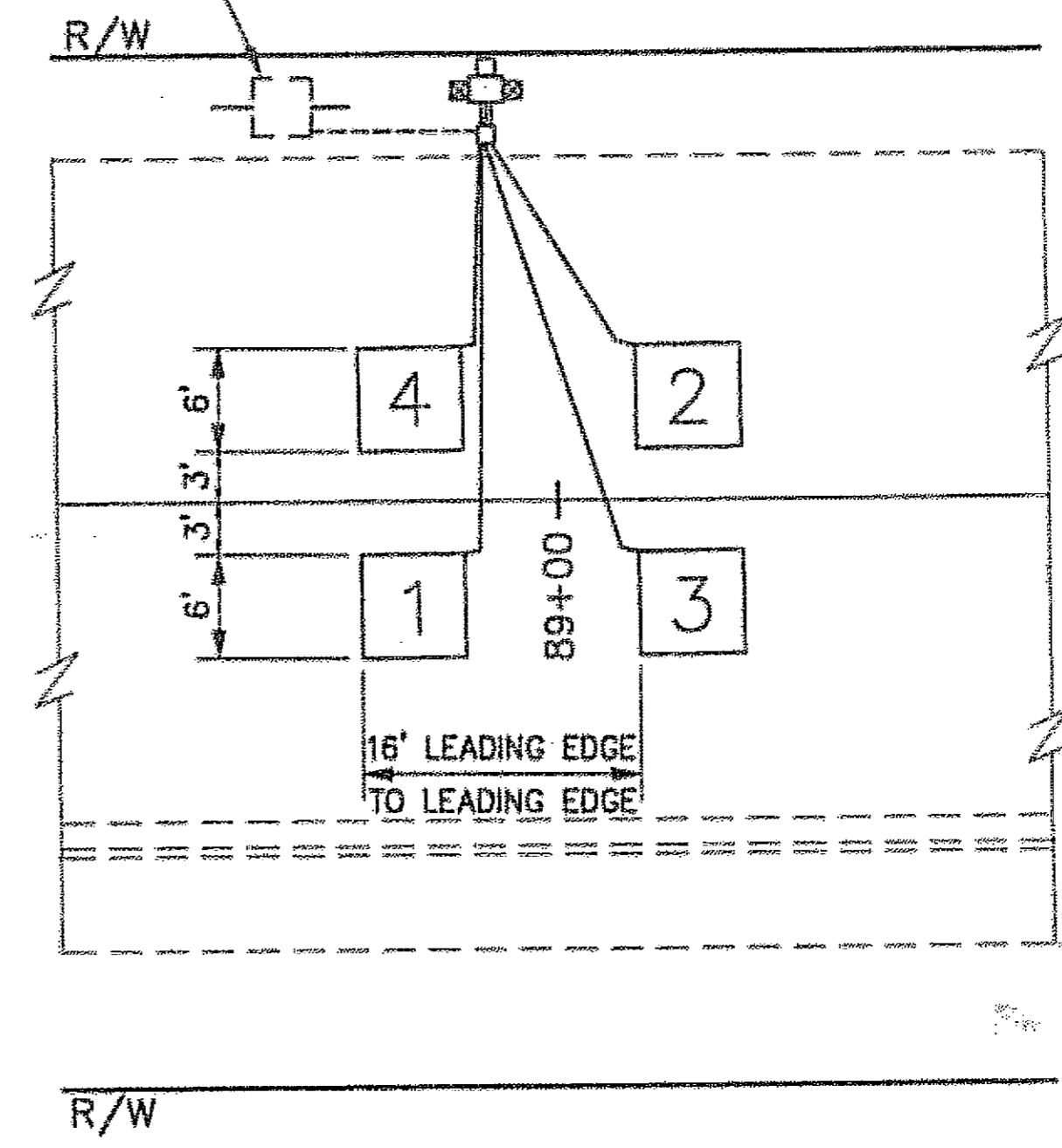
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			IM-000S(527)68342	2005	Q6	34



PLAN VIEW
N.T.S.

N.I.C.

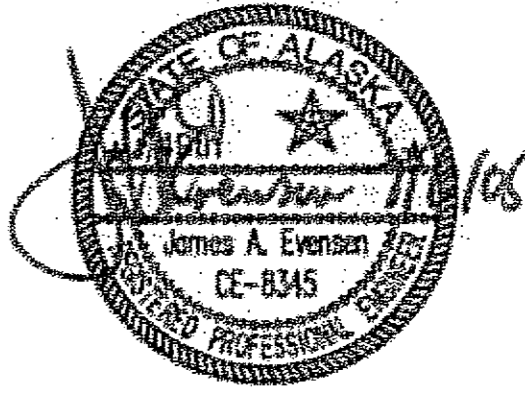
EXIST. UTILITY POLE
AT "O" STA. 88+82



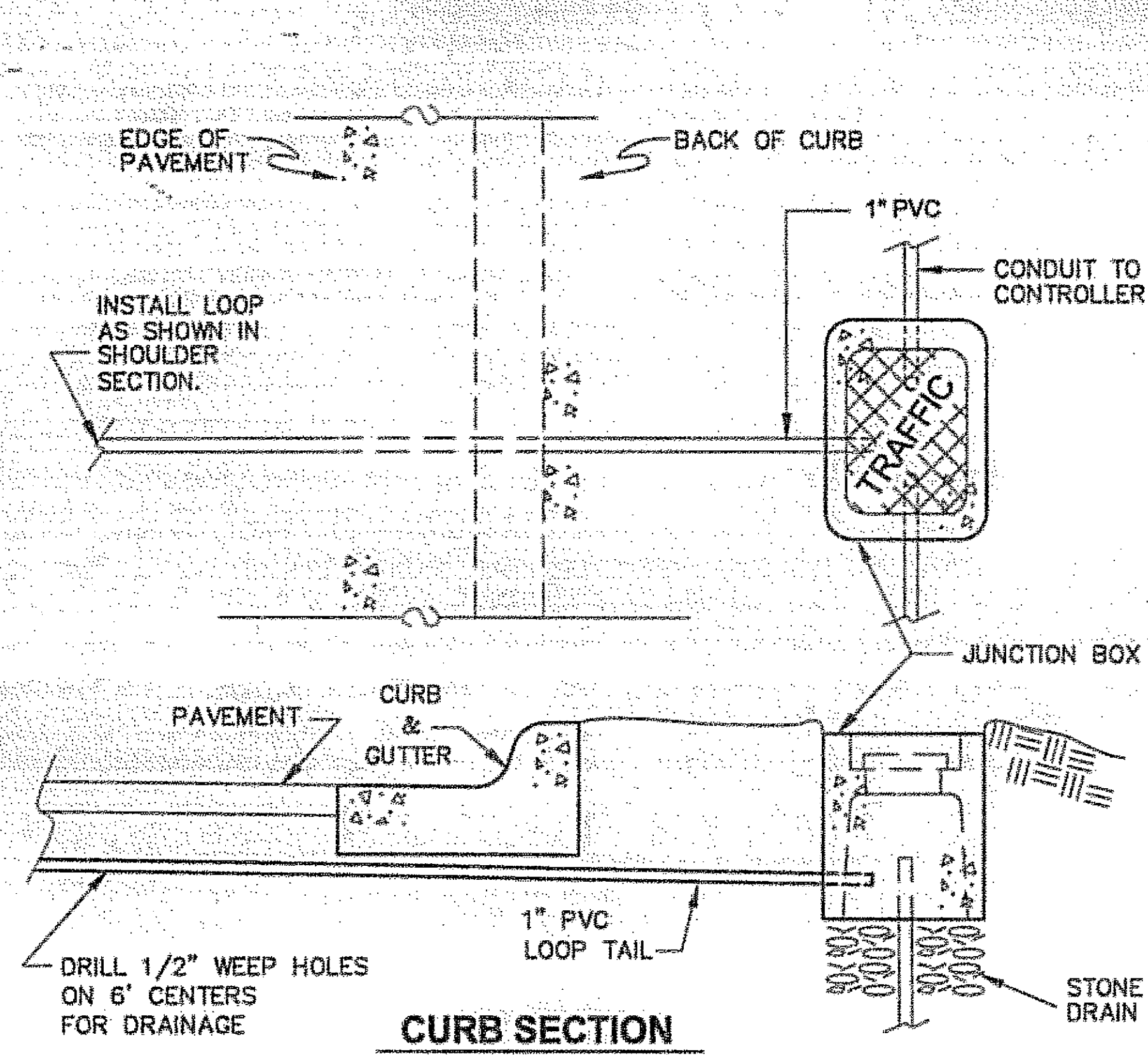
LOOP DETECTOR
INSTALLATION
DETAIL
N.T.S.

NOTE:
NO WORK IS NEEDED UNLESS LOOPS ARE DAMAGED BY
CONSTRUCTION ACTIVITY.

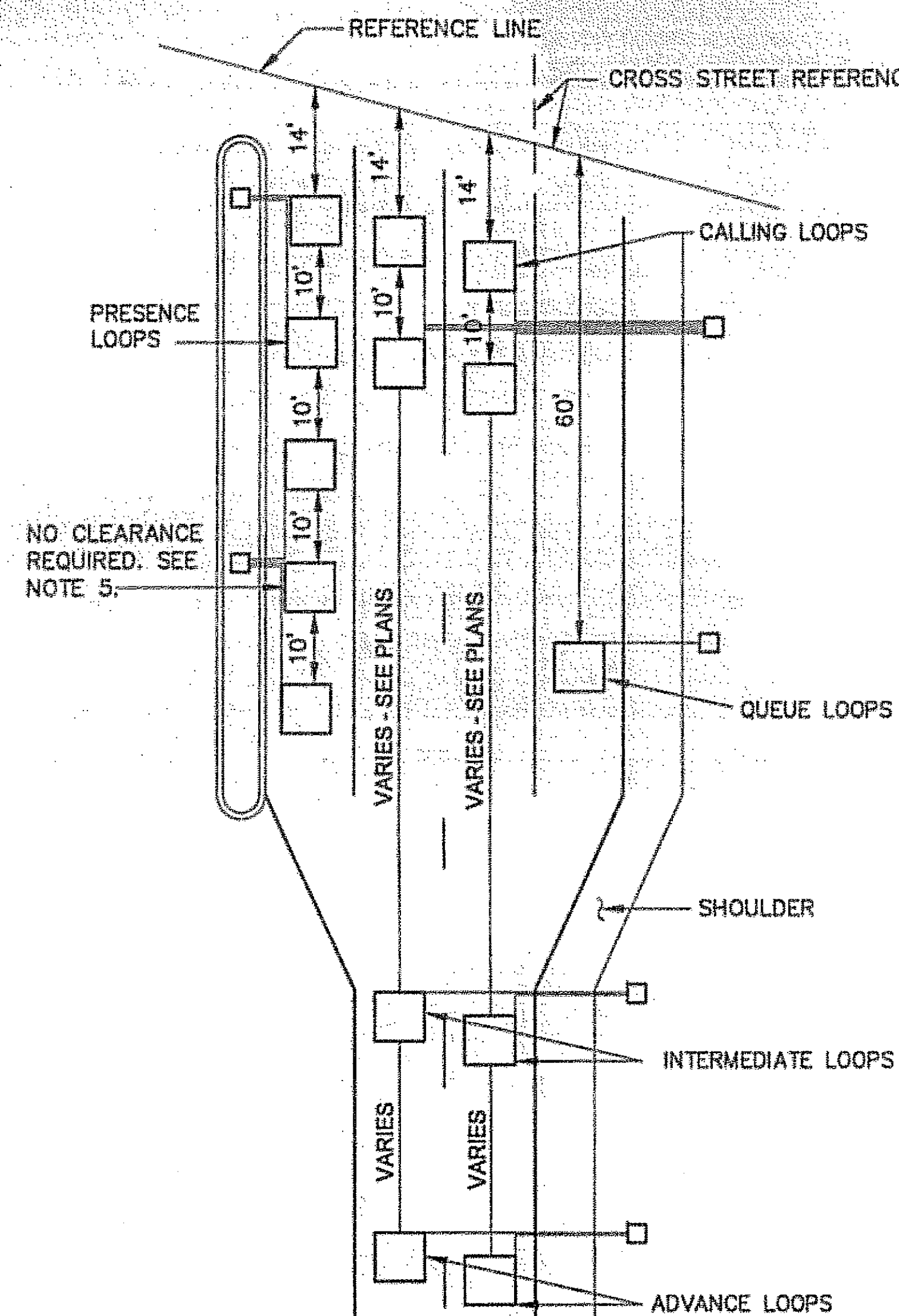
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION							
DESIGNED BY: R. PURVES DRAWN BY: D. STEVENS		JNU-FFY05 AREAWIDE PAVING PROJECT NO: 68342 RIVERSIDE DRIVE- EGAN DR. TO DIVISION ST. TRAFFIC COUNTER INSTALLATION							
PATH: Q:\jnu\68342\Plan\as-Built\Riverside.dwg TAB: TCP2 Wed, 08/Jul/05 01:50PM dastevens		PROJECT DESIGNATION IM-000S(527)\68342	YEAR 2005						
REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	DESCRIPTION				SHEET NO. Q7	TOTAL SHEETS 34
NO.	DATE	DESCRIPTION							

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE: *[Signature]* Date 2/14/07

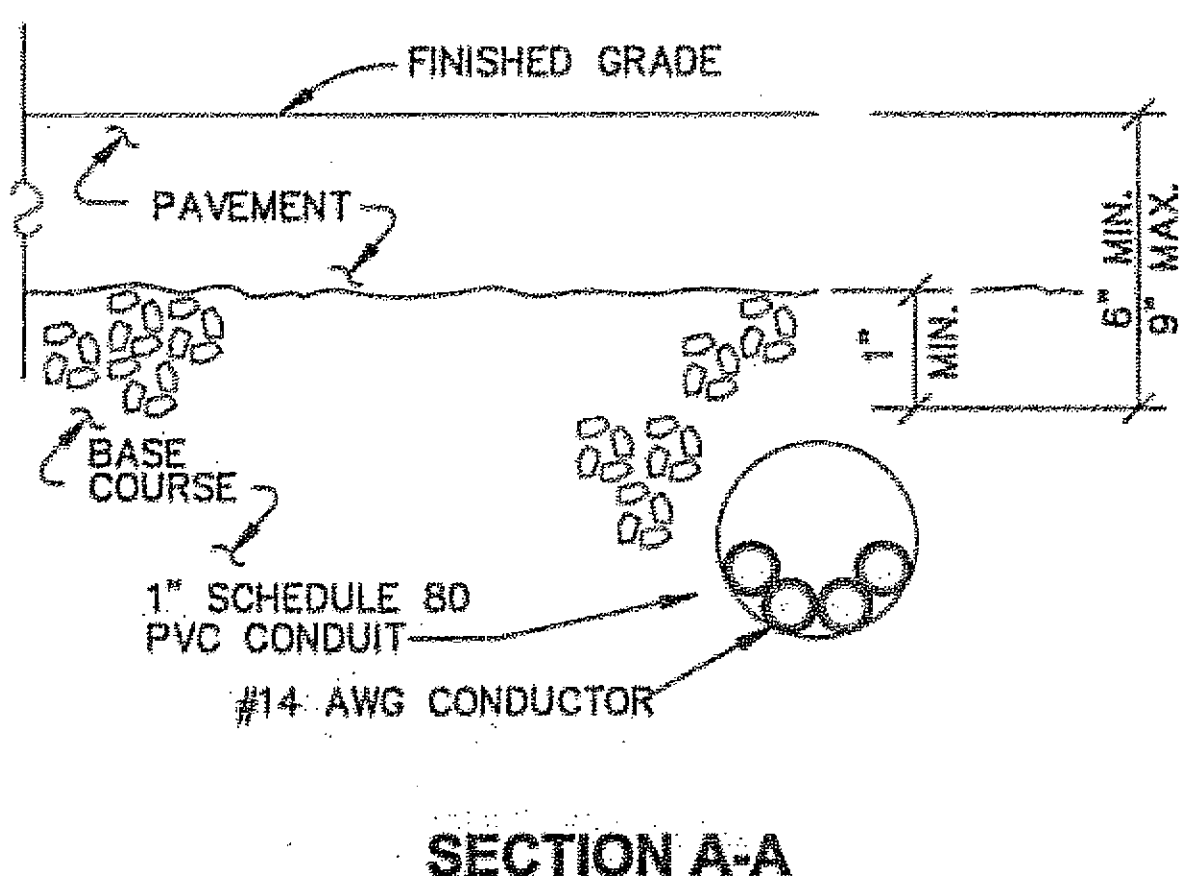


CURB SECTION

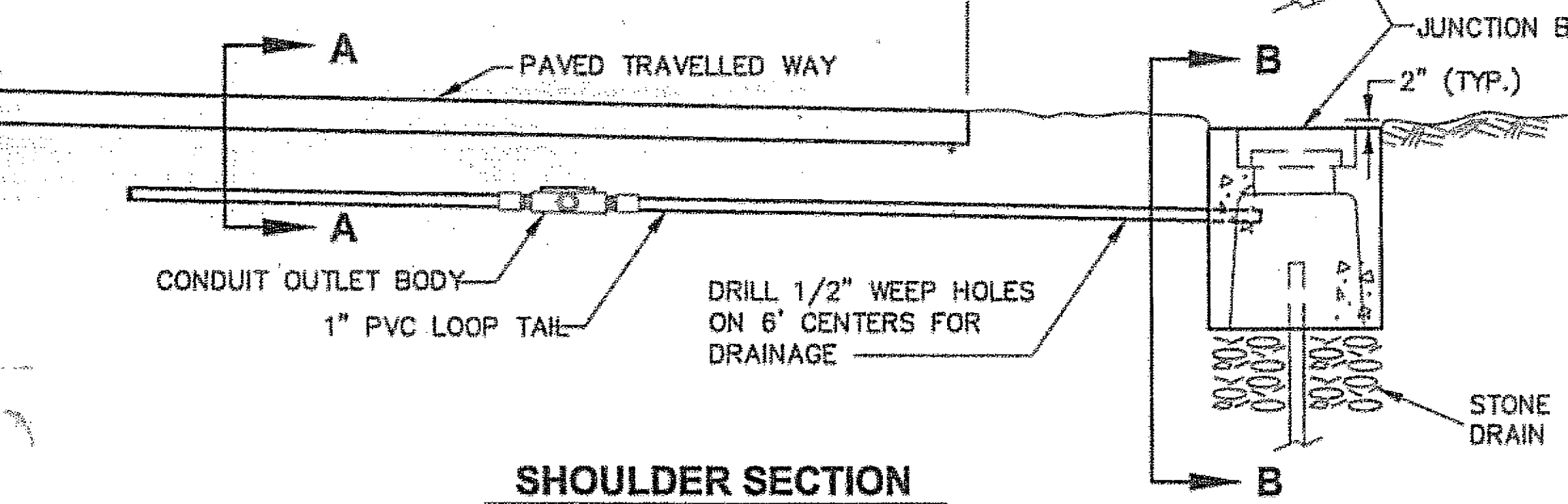
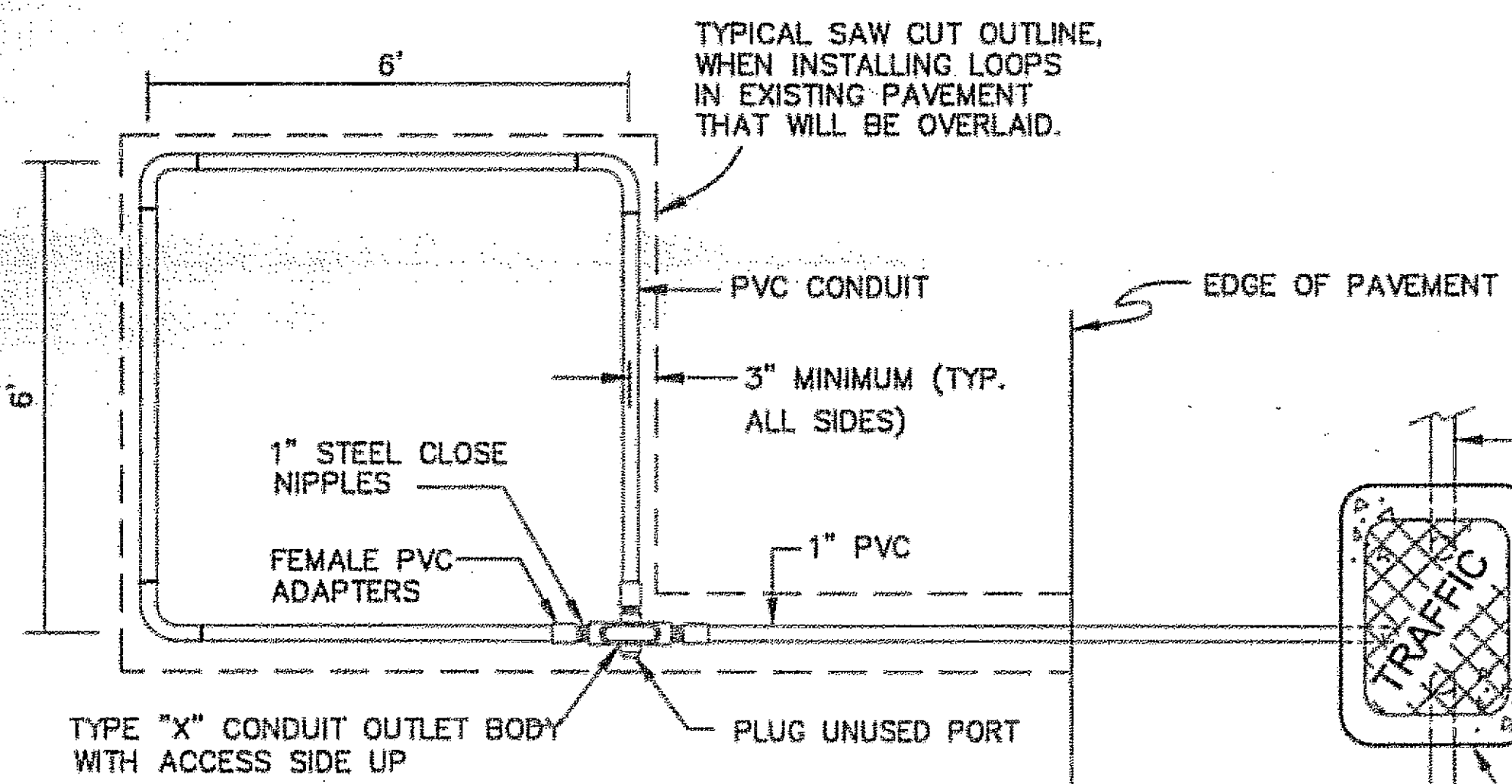


TYPICAL LOOP SETBACKS

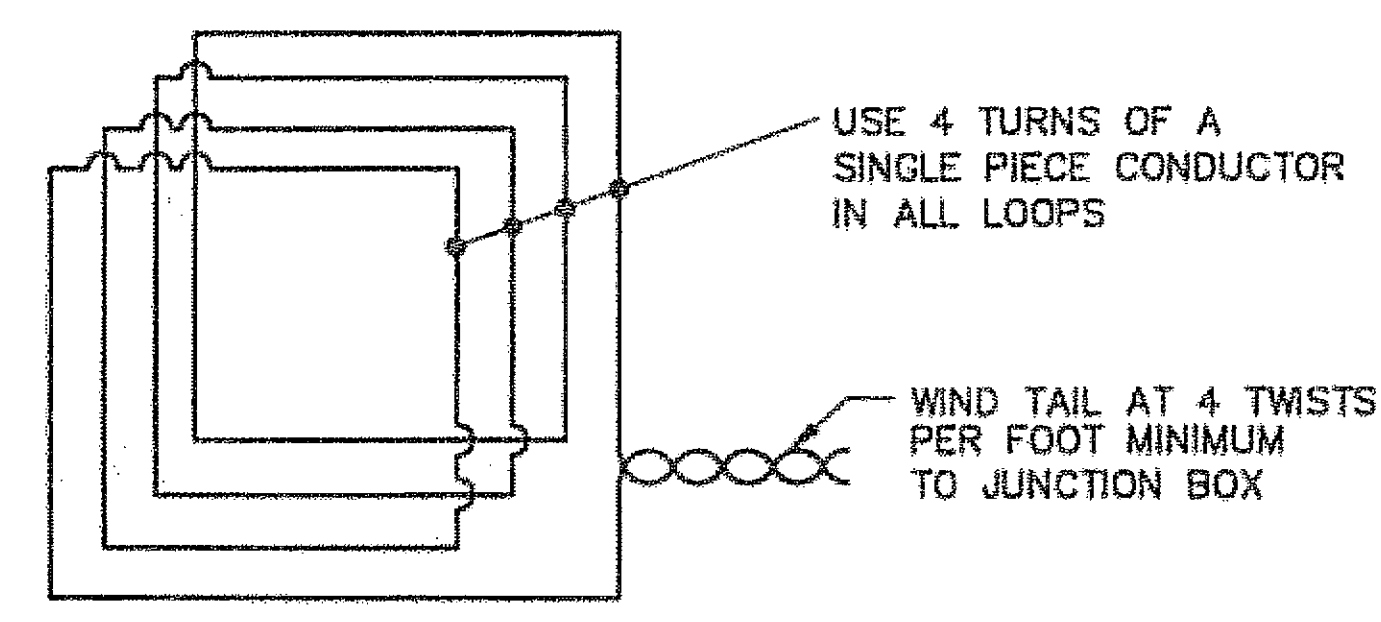
MEASURE THE SETBACKS FROM THE REFERENCE LINE ALONG THE CENTER OF EACH LANE



SECTION A-A



SHOULDER SECTION



LOOP WIRING DETAIL

TYPICAL PVC CONDUIT ENCASED LOOP DETECTOR INSTALLATION

FOR INSTALLATION UNDER NEW PAVEMENT

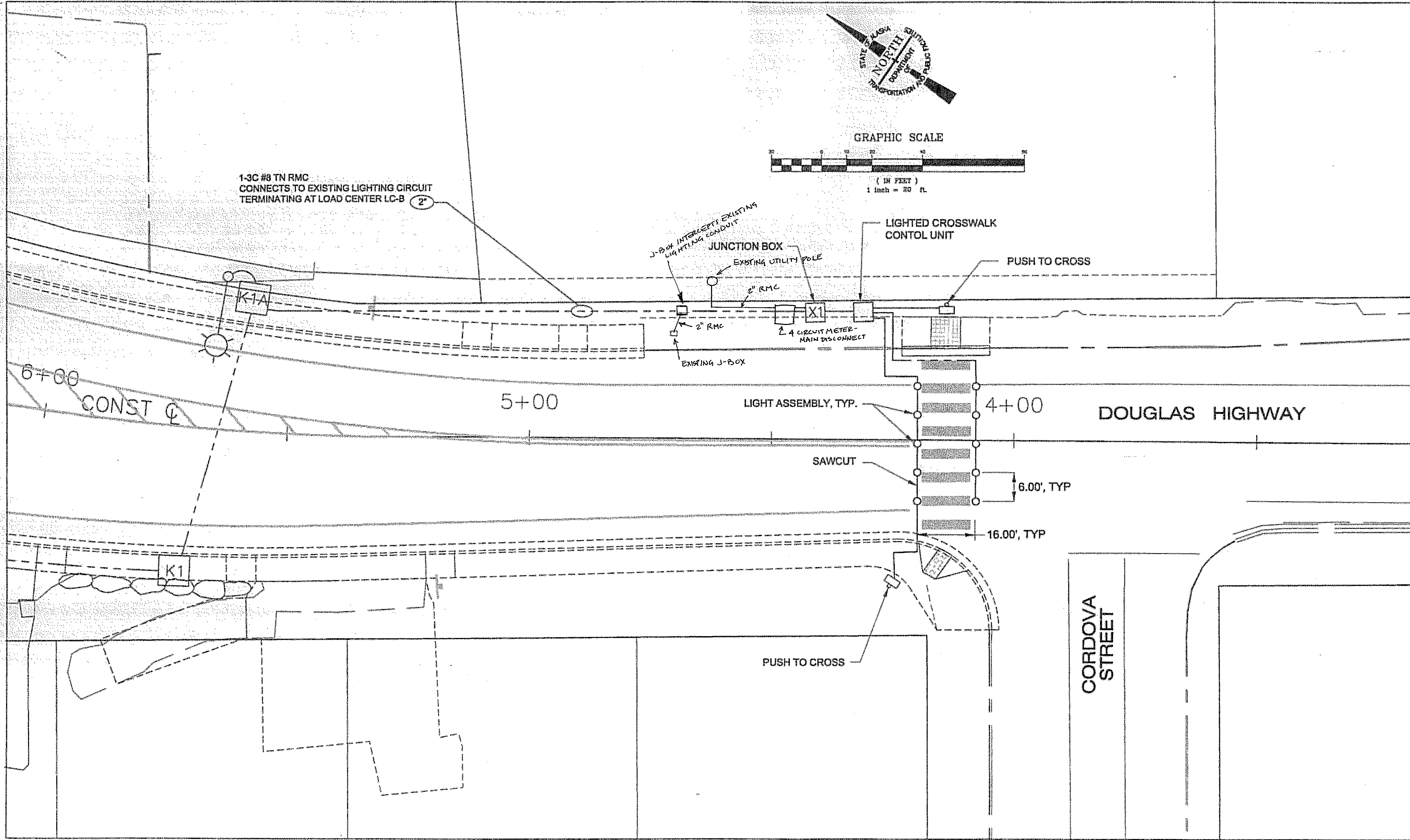
GENERAL NOTES

1. EACH LOOP DETECTOR SHALL CONSIST OF A SINGLE PIECE OF #14 AWG CONDUCTOR INSTALLED IN 1" SCHEDULE 80 PVC CONDUIT. FORM ALL LOOPS 6 FEET SQUARE, SOLVENT WELDING ALL PVC TO PVC JOINTS. USE TYPE X CONDUIT OUTLET BODIES THAT ARE MADE OF HOT DIP GALVANIZED STEEL TO JOIN THE LOOPS AND TAILS.
2. INSTALL 4 TURNS OF CONDUCTOR IN ALL LOOPS AND PROVIDE TAILS THAT EXTEND TO THE JUNCTION BOX SPECIFIED ON THE PLANS. USE #14 AWG CONDUCTOR IN A POLYETHYLENE TUBE CONFORMING TO IMSA SPECIFICATION 51-5. WIND THE TAIL CONDUCTORS TOGETHER AT A RATE OF 4 TWISTS PER FOOT.
3. INSTALL ALL LOOP DETECTORS PRIOR TO OVERLAYING EXISTING PAVEMENT OR PAVING A NEW ROADWAY.
4. INSTALL ALL LOOP DETECTORS SLOPED TO DRAIN INTO THE JUNCTION BOX THE LOOP TAIL ENTERS.
5. NO MINIMUM CLEARANCE IS REQUIRED BETWEEN A LOOP AND A TAIL OR BETWEEN TAILS. LOOP TAILS SHALL NOT CROSS LOOP CONDUITS.
6. TEST ALL LOOP DETECTORS FOR CONTINUITY AND INSULATION INTEGRITY PRIOR TO SEALING THE LOOPS UNDER ASPHALT.
7. WHEN INSTALLING LOOP DETECTORS IN EXISTING PAVEMENT, CUT THE ASPHALT WITH A SAW AND REMOVE ALL ASPHALT WITHIN THE SAW CUT. MATCH EXISTING PAVEMENT THICKNESS WHEN REPAIRING THE CUTOUT.
8. WHERE EXISTING PAVEMENT WILL NOT BE OVERLAID, ENCLOSE ALL LOOPS THAT ENTER A COMMON JUNCTION BOX WITHIN A TRAPEZOIDAL SAW CUT. CUT TO WITHIN 12" OF THE LANE AND EDGE LINES, PRESERVING THESE PAVEMENT MARKINGS; REMOVE THE ASPHALT TO THE LIP OF THE GUTTER WHEN THERE ARE NO EDGE LINES. CUT ACROSS LANE LINES WHEN LOOPS IN ADJACENT LANES ARE SIDE BY SIDE. CUT TRENCHES A MINIMUM OF 3 FEET WIDE WHEN INSTALLING LOOP TAILS ACROSS A LANE; TRENCHES CROSSING A SHOULDER ONLY MAY BE A MINIMUM 12" WIDE.
9. HEAT AND TACK COAT THE EDGES OF EXISTING PAVEMENT PRIOR TO PAVING THE CUTOUTS. COMPACT THE ASPHALT MIXTURE WITH A SELF PROPELLED STEEL WHEELED ROLLER. THE ASPHALT MIX SHALL CONFORM TO SECTION 401 OF THE SPECIFICATIONS, AND APPROVED FOR USE BY THE ENGINEER.
10. MAINTAIN THE REPLACEMENT ASPHALT MIX AT A TEMPERATURE ABOVE 225° F UNTIL THE TIME OF APPLICATION; IF NECESSARY, STORE THE MIX IN AN INSULATED BOX TO MAINTAIN THE SPECIFIED TEMPERATURE.
11. THE OUTERMOST THROUGH LANES ACROSS THE INTERSECTION. IF THE ROADWAY GEOMETRY IS CURVED, EXTEND THE CURVE THROUGH THE INTERSECTION.
12. TO ESTABLISH THE REFERENCE LINES, EXTEND THE RIGHT EDGES OF THE OUTERMOST THROUGH LANES ACROSS THE INTERSECTION. IF THE ROADWAY GEOMETRY IS CURVED, EXTEND THE CURVE THROUGH THE INTERSECTION.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 3/19/07

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION
DESIGNED BY: R. PURVES	JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342
DRAWN BY: D. STEVENS	LOOP DETECTOR DETAILS
PATH: Q:\nu\68342\plans\20_04_05.dwg	REVISIONS
TAB: Q3	NO. DATE DESCRIPTION
Wed, 06/23/05 01:55PM	PROJECT DESIGNATION
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	YEAR
	2005
	SHEET NO.
	Q8
	TOTAL SHEETS
	34

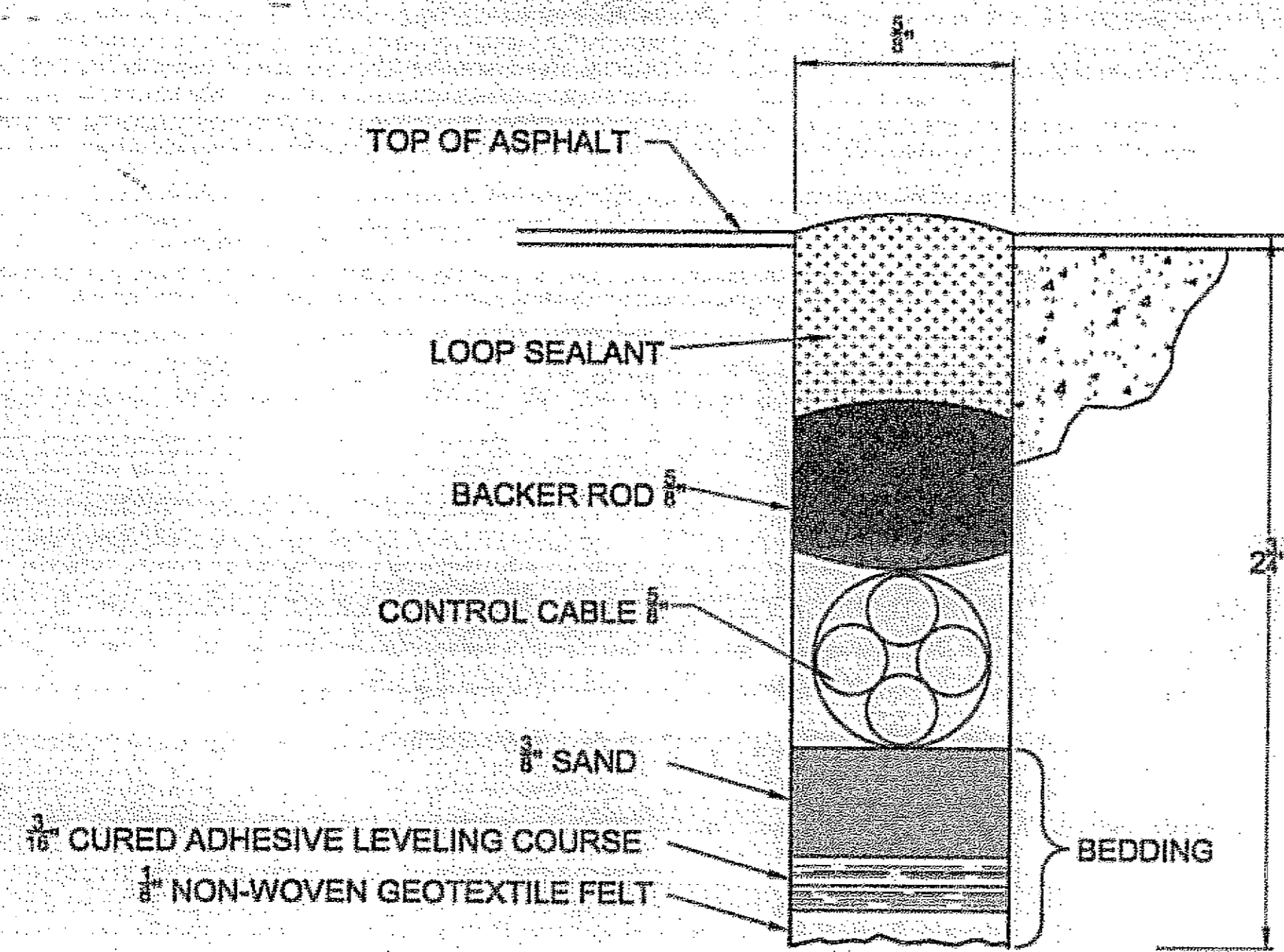


NOTE:
PLACE LIGHT ASSEMBLIES OUTSIDE AND BETWEEN
THE TYPICAL WHEEL PATH OF TRAFFIC ON DOUGLAS HIGHWAY.

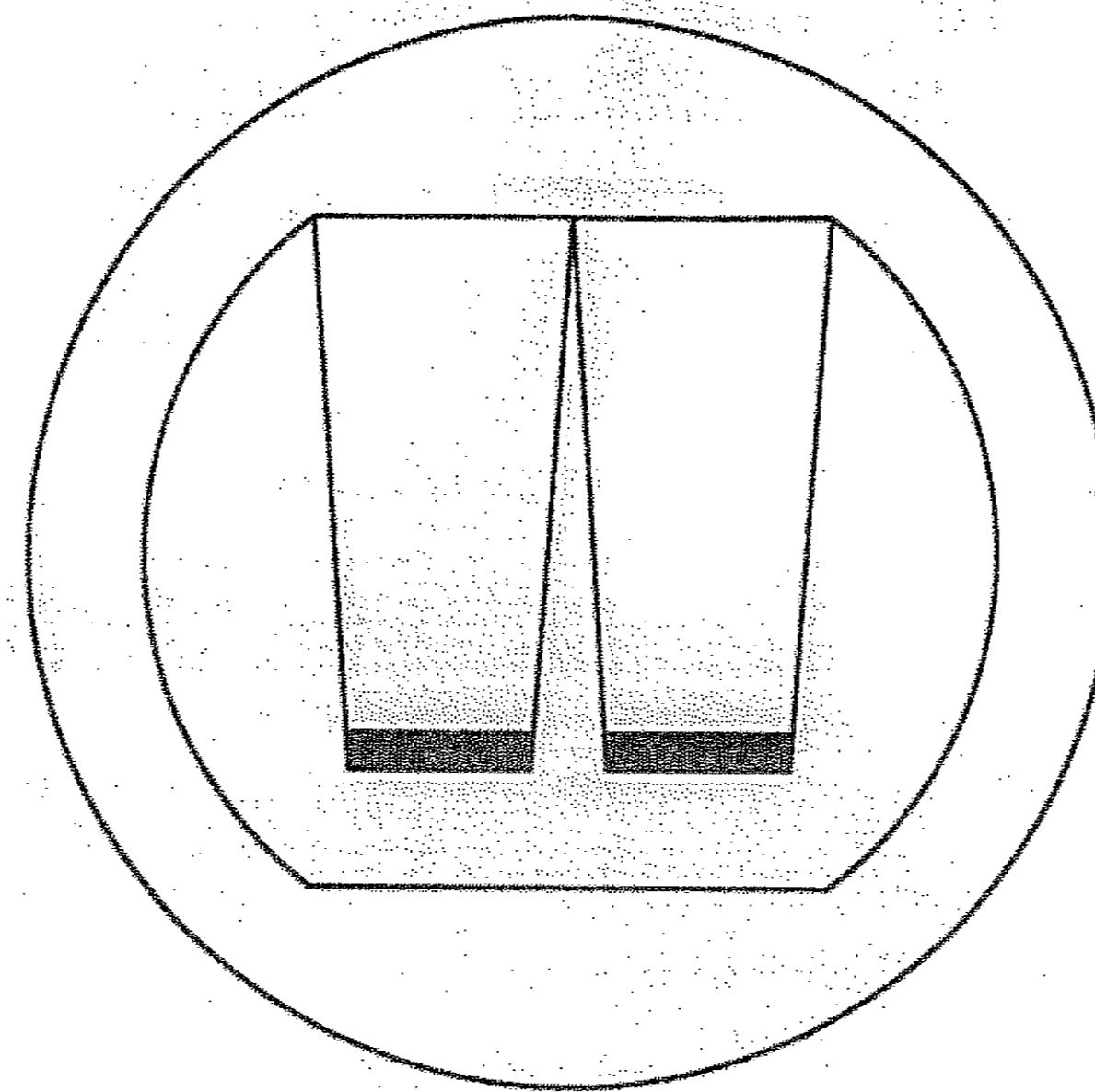
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. PURVES		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION	
DESIGNED BY: D. FAGNANT		JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342	
DRAWN BY: D. FAGNANT		CORDOVA STREET LIGHTED CROSSWALK PLAN VIEW	
PATH: Q:\nu\68342\Plan\68342_Cordova Lighting.dwg		PROJECT DESIGNATION	
TAB: Planview Wed, 06/Jul/05 01:51PM		YEAR	
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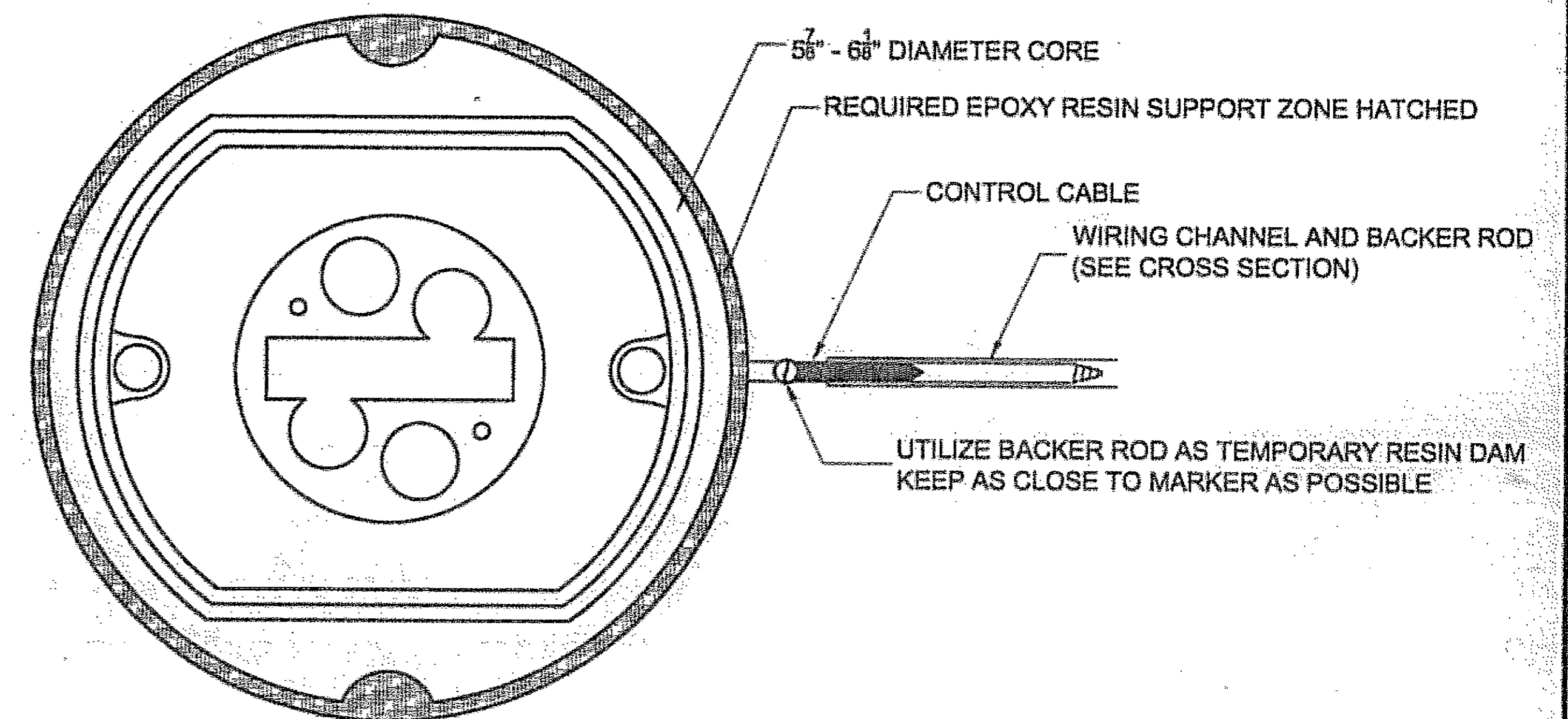
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: [Signature] Date: 3/14/07



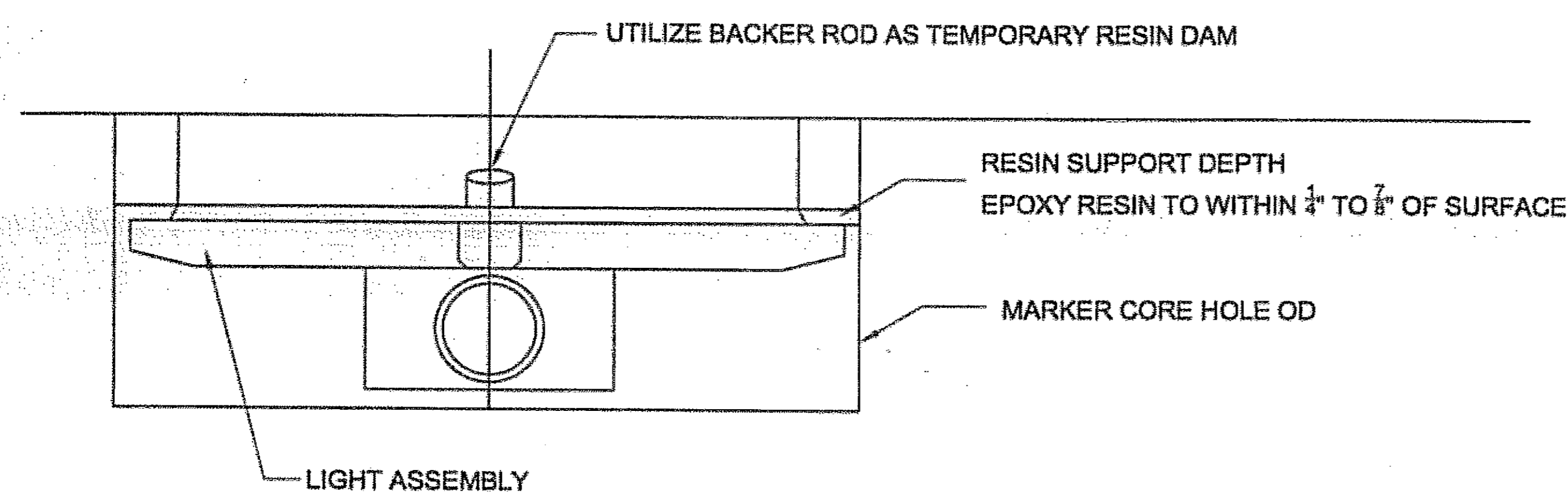
SAWCUT CROSS-SECTION



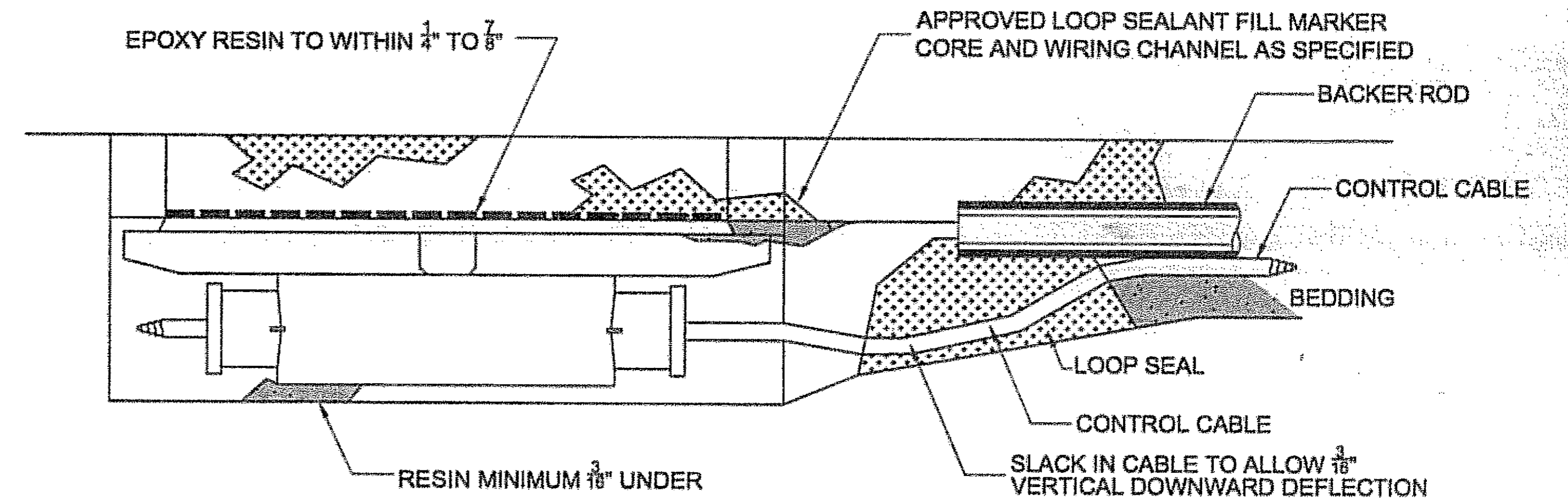
TOP VIEW OF LED



LED UNIT ASSEMBLY



LED INSTALLATION DETAIL

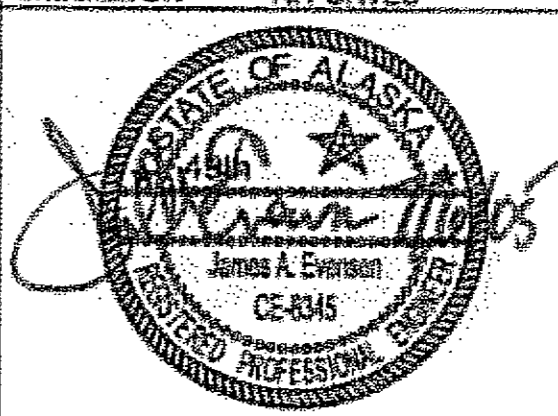


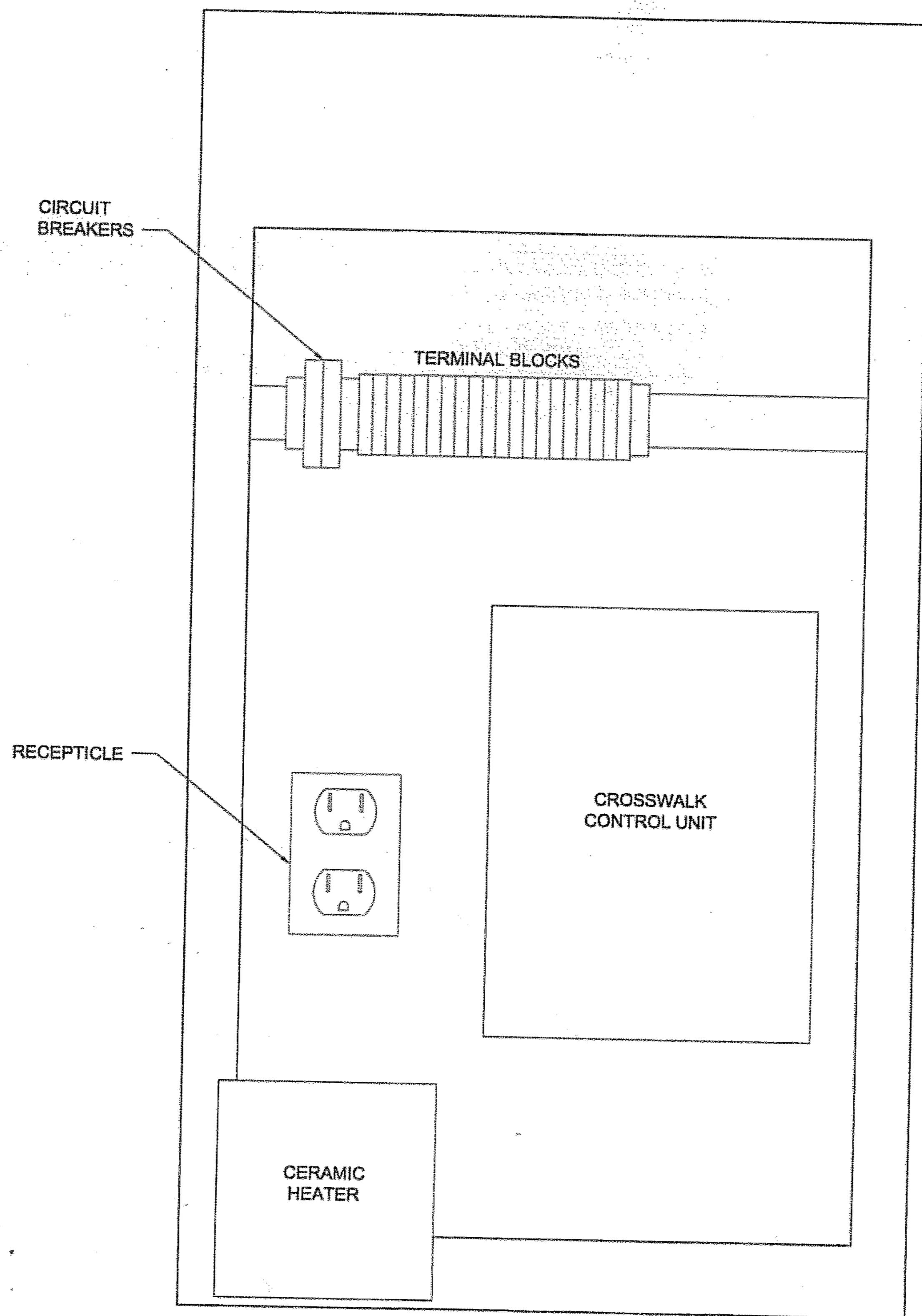
LED INSTALLATION DETAIL

NOTE:
PRODUCT TO BE INSTALLED ACCORDING TO
MANUFACTURER'S RECOMMENDATION.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE: *[Signature]* Date: 7/1/07

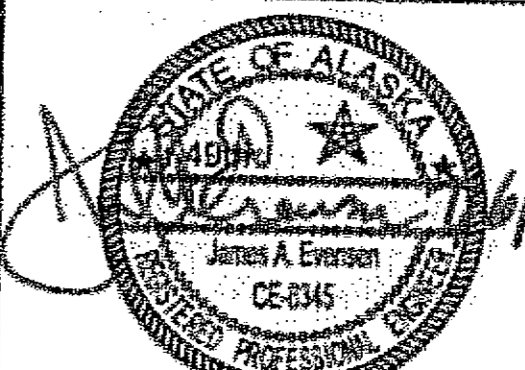
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. PURVES 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342			
DESIGNED BY: D. FAGNANT DRAWN BY: D. FAGNANT		CORDOVA STREET LIGHTED CROSSWALK DETAILS			
PATH: Q:\nu\68342\Phase02_Crosswalks\Drawings.dwg TAB: Q10 Wed, 06/20/06 01:51 PM dastevens		PROJECT DESIGNATION IM-000S(527)\68342	YEAR 2005	SHEET NO. Q10	TOTAL SHEETS 34



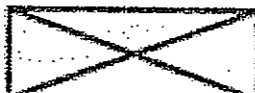




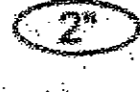
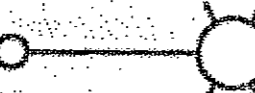
- NOTES:**
1. GROUNDED TERMINAL BLOCKS TO SEPARATE AC POWERED TERMINAL BLOCKS FROM DC TERMINAL BLOCKS.
 2. PRODUCT TO BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATION.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. PURVES 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342 CORDOVA STREET LIGHTED CROSSWALK CONTROLLER CABINET LAYOUT															
DESIGNED BY: D. FAGNANT DRAWN BY: D. FAGNANT PATH: Q:\nu\68342\Plans\60_Crosswalk\60.dwg TAB: Q11 Wed, 08/14/05 01:51 PM dastevens	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS</th> <th rowspan="2">PROJECT DESIGNATION</th> <th rowspan="2">YEAR</th> <th rowspan="2">SHEET NO.</th> <th rowspan="2">TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td colspan="2"></td> <td style="text-align: center;">IM-000S(527)\68342</td> <td style="text-align: center;">2005</td> <td style="text-align: center;">Q11</td> <td style="text-align: center;">34</td> </tr> </tbody> </table>	REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE	DESCRIPTION			IM-000S(527)\68342	2005	Q11	34
REVISIONS		PROJECT DESIGNATION	YEAR					SHEET NO.	TOTAL SHEETS							
NO.	DATE			DESCRIPTION												
		IM-000S(527)\68342	2005	Q11	34											

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LEGEND

 CONTROLLER CABINET
 LOAD CENTER (LC-X)
 TYPE IA J-BOX
 TYPE II J-BOX
 TYPE III J-BOX
 RIGID METAL CONDUIT
 LUMINAIRE (L-XX)

LOW VOLTAGE SIGNAL CONDUCTOR

1C#14 LOOP WIRES
 2C#14 LOOP LEAD-IN
 2C PEDESTRIAN PUSH BUTTON
 6PR MULTI-LOOP LEAD-IN

120 VOLT SIGNAL CONDUCTOR

5C PEDESTRIAN AND STANDARD SIGNAL HEADS
 7C 5 SECTION SIGNAL HEADS

LIGHTING AND POWER CONDUCTOR

3C#X LIGHTING OR SIGNAL POWER

THE NUMBER PRECEDING THE CABLE DESIGNATION INDICATES THE NUMBER OF CABLES TO BE INSTALLED

SUMMARY OF LOAD CENTER: LC-B

LOAD CENTER TYPE 1

LOCATION DATA: "D" STA. 9+27.00, 73.00' RT
(DOUGLAS HIGHWAY AT 10TH STREET)

LOAD CENTER:
POWER SOURCE:
PHOTOELECTRIC CONTROL: YES

SERVICE VOLTAGE	1 PHASE,	3-WIRE,	240/480 VOLTS,	60 HZ.
INTERRUPTING CAPACITY OF CIRCUIT BREAKERS-SERIES RATED			10,000 AIC	
PROVIDE METER SOCKET? YES			SERVICE AMPS	100A
MAIN BREAKER A:	240/480 VOLT,	2 POLE,	100 AMPERES	
CONTACTOR:	600 VOLT,	12 POLE,	30 AMPERES	

LOAD PANEL A SUMMARY

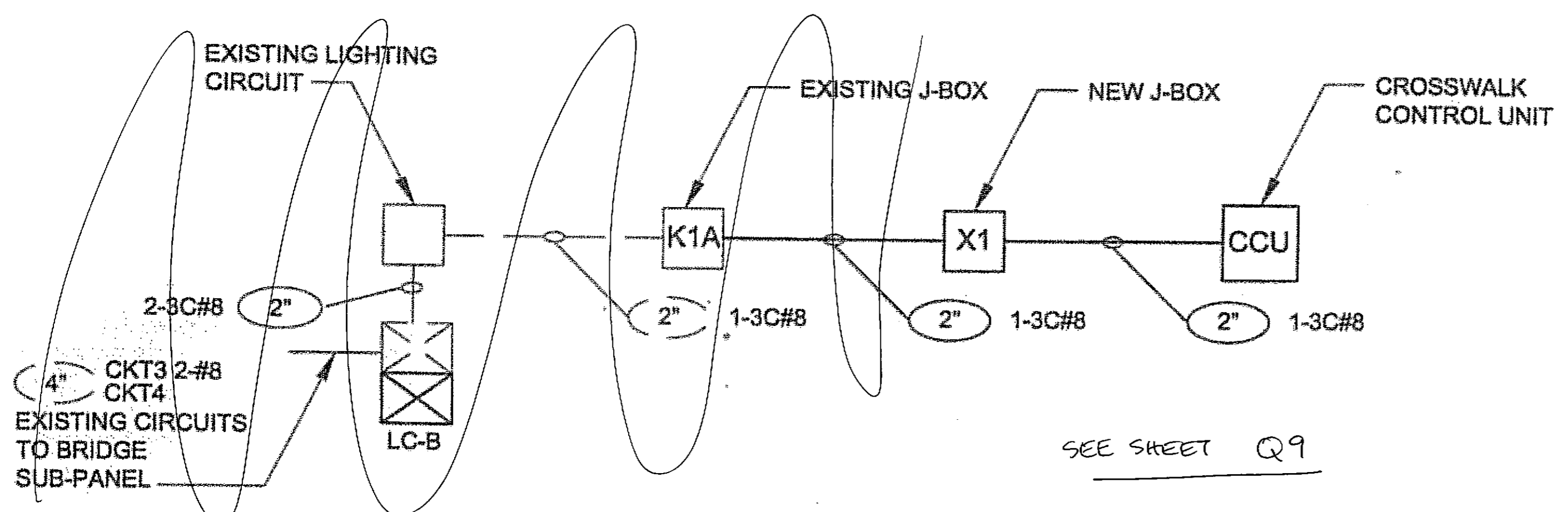
CIRCUIT DESCRIPTION	VOLTAGE	KVA LOAD	BREAKER	
			AMPS	POLES
PHOTO ELECTRIC CONTROL, HEAT STRIP (EX. LIGHTING 120 CENTER)	120	0.80	15A	1
EXISTING STREET LIGHTING J	480	1.50	20A	2
EXISTING STREET LIGHTING K	480	2.00	20A	2
EXISTING BRIDGE LIGHTING	480	2.00	50A	2
EXISTING INSIDE BRIDGE LIGHTING	480	15.0	35A	2
CERAMIC HEATER	120	1.50	20A	1
PEDESTRIAN ACTUATED LIGHTED CROSSWALK	120	0.2	5A	1
TOTAL DEMAND LOAD:		23.0 KVA		

SEE SHEET L6 FOR LIVE DIAGRAM OF LOAD CENTER AND STEP DOWN TRANSFORMER

LOAD SUMMARY FOR LOAD CENTER B

NOT TO SCALE

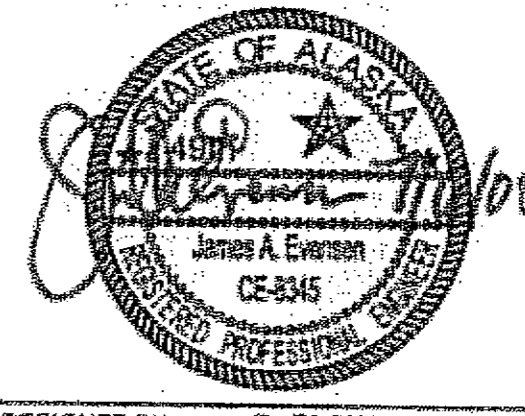
- NOTES:**
- TWO ADDITIONAL CIRCUIT BREAKER SHALL BE PROVIDED, IN THE LOAD CENTER: ONE FOR THE CERAMIC HEATER AND ONE FOR THE PEDESTRIAN ACTUATED LIGHTED CROSSWALK
 - A BARE STRANDED GROUND CONDUCTOR SHALL BE INSTALLED IN ALL CONDUIT AND ATTACHED TO POLES, CONDUIT AND BUSHINGS, ETC.



SCHMATIC FOR LOAD CENTER B
NOT TO SCALE

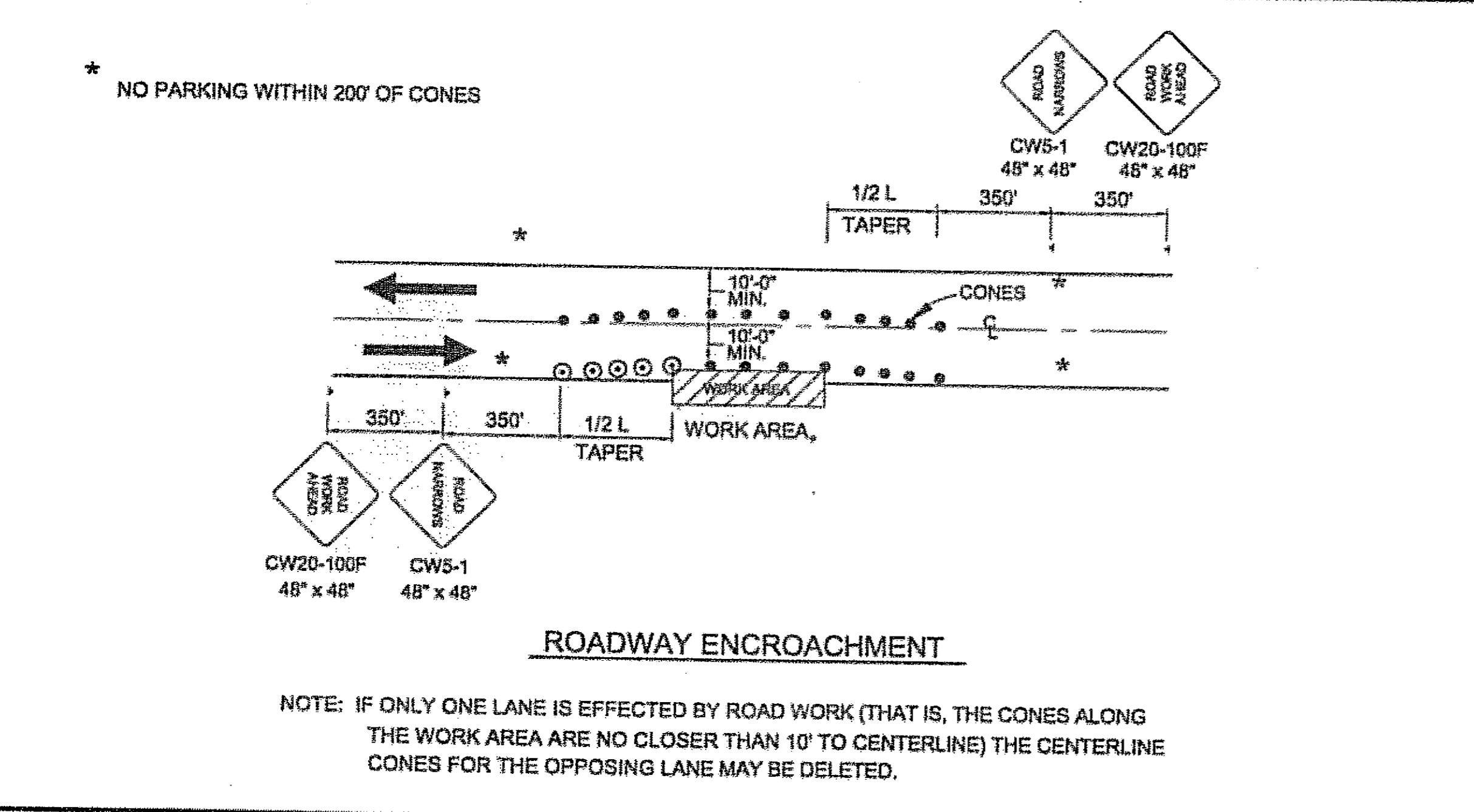
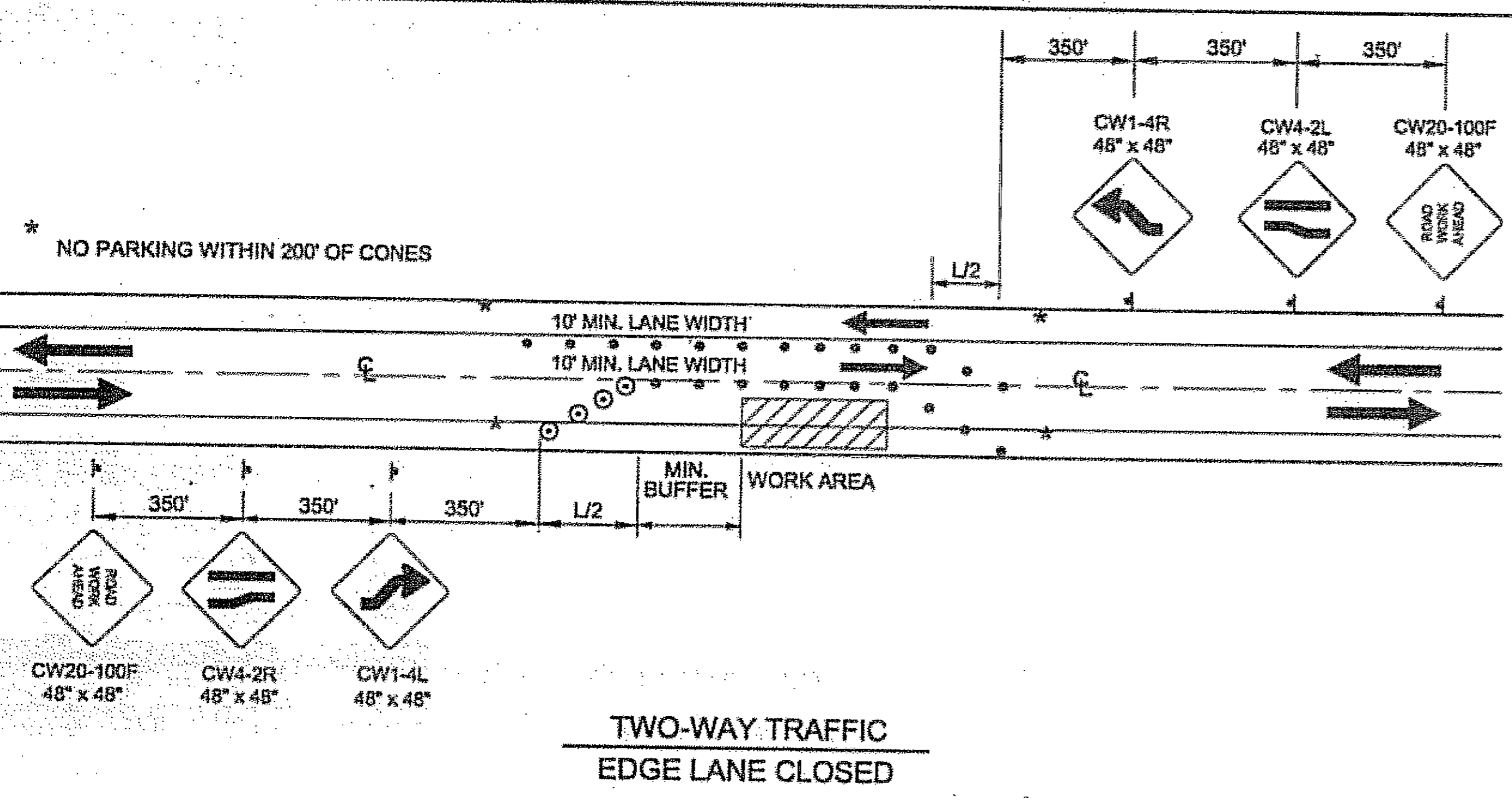
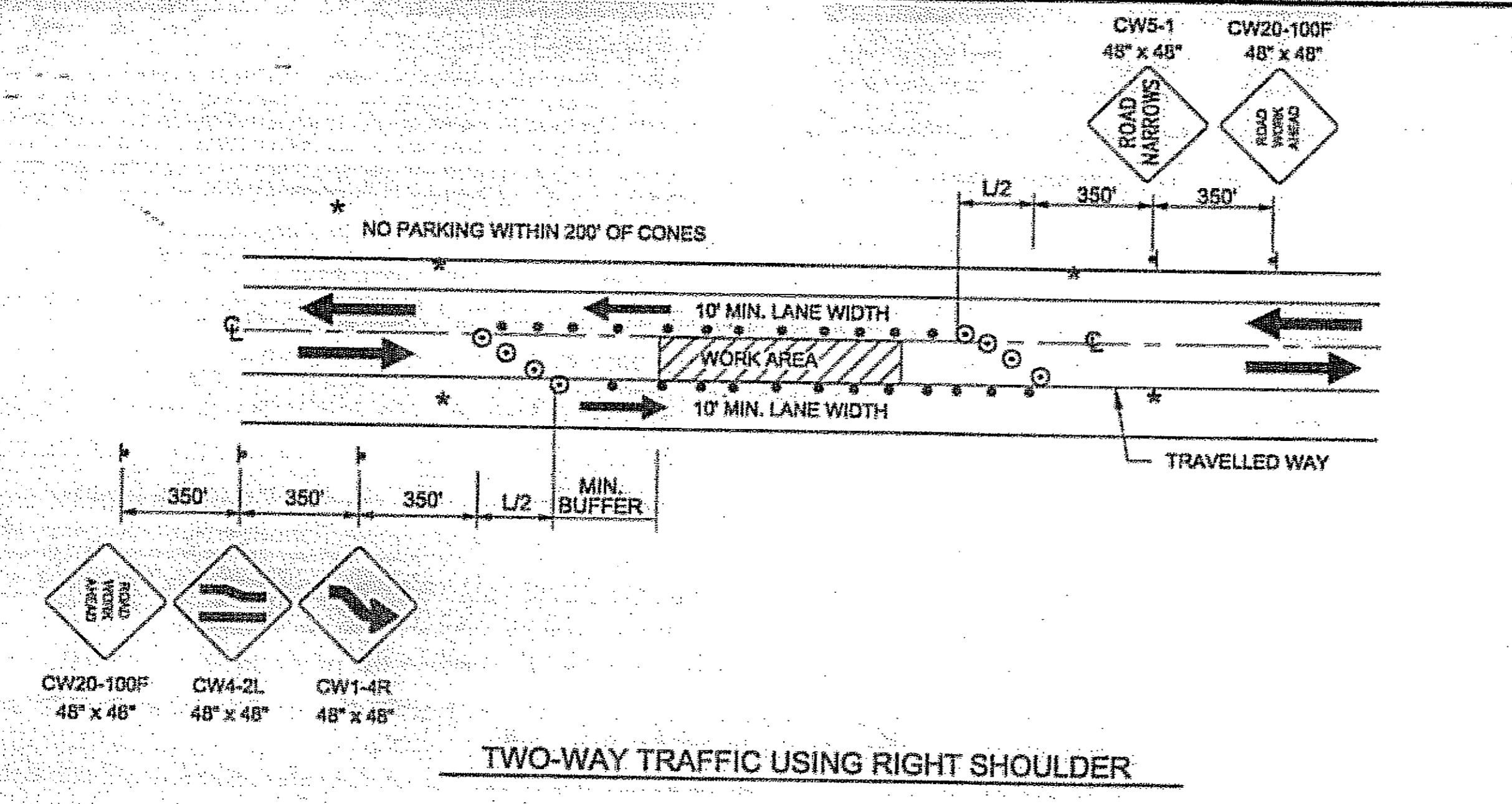
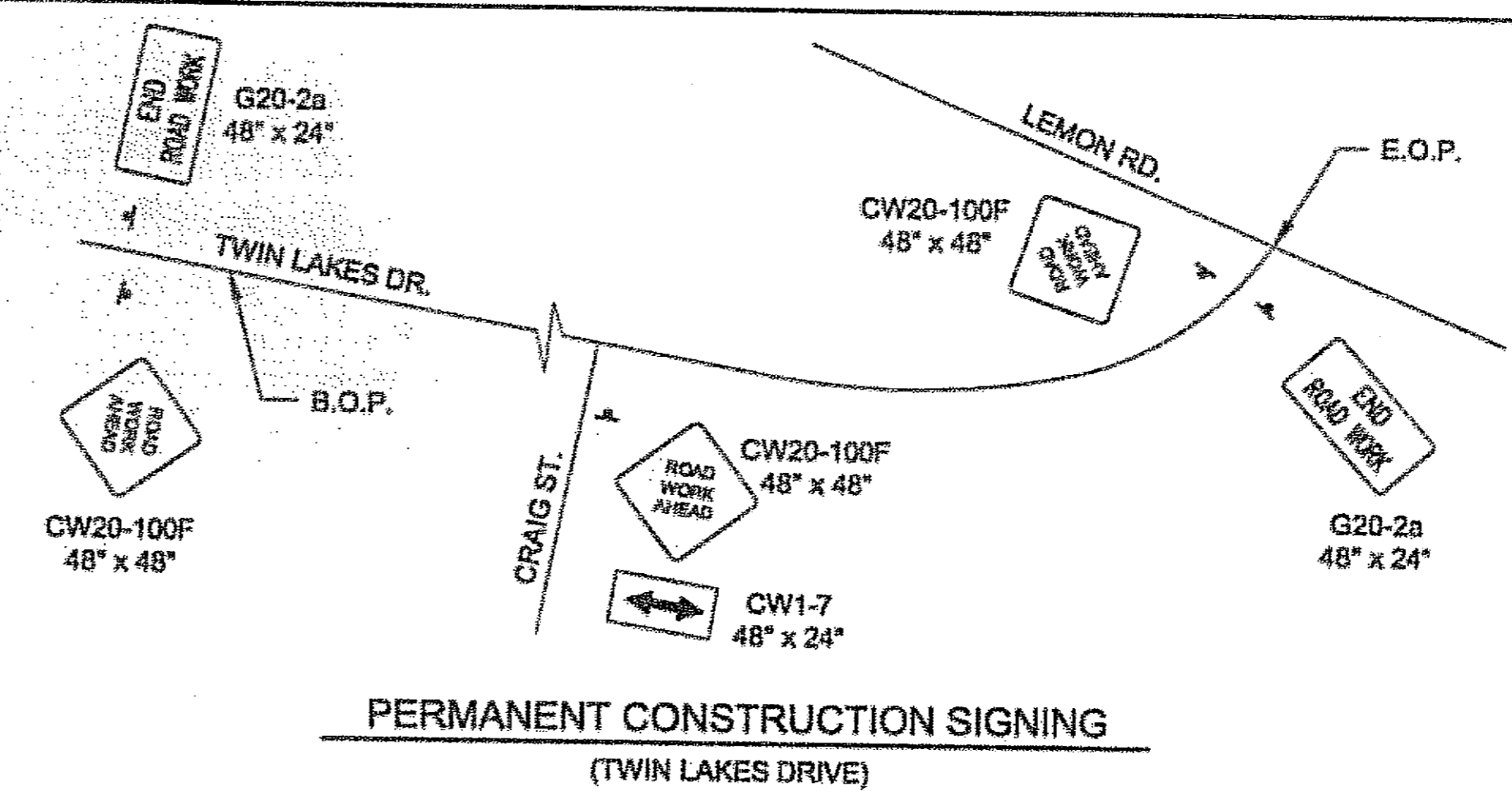
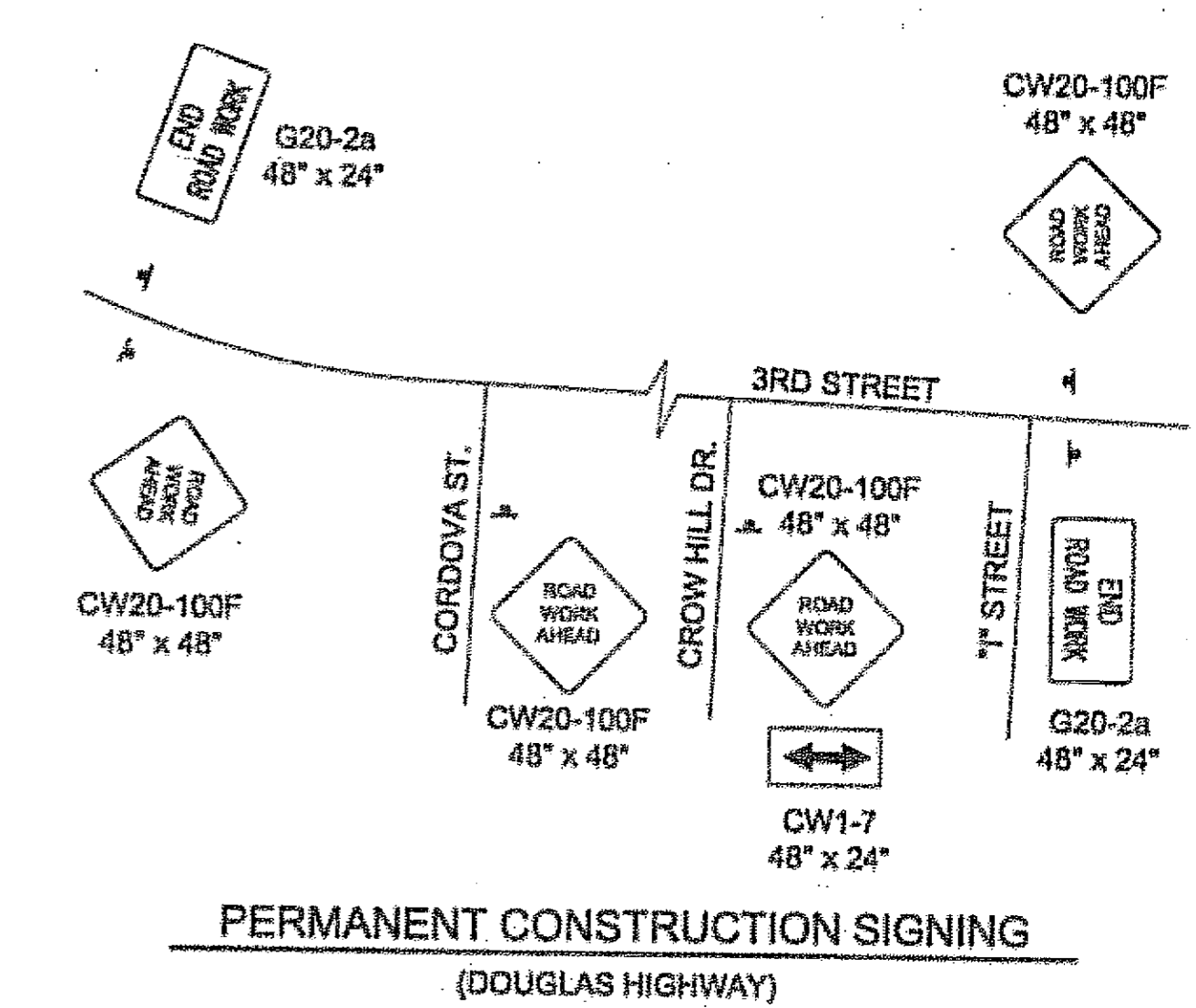
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE *D. Fagnant* Date 3/19/07

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. PURVES		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION
DESIGNED BY: D. FAGNANT DRAWN BY: D. FAGNANT		JNU-FFYO5 AREAWIDE PAVING PROJECT NO. 68342
PATH: C:\Users\68342\Public\Q_CrosswalkData.dwg TAB: Q12 Wed, 08Jul05 01:51PM dastevens		CORDOVA STREET LIGHTED CROSSWALK WIRING DIAGRAM
REVISIONS NO. DATE DESCRIPTION		
PROJECT DESIGNATION IM-000S(527)68342		YEAR SHEET NO. TOTAL SHEETS 2005 Q12 34

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.
- NO WORK WILL BE DONE FROM 7:00 TO 8:30 A.M. AND 4:00 TO 6:00 P.M.
- DO NOT INTERFERE WITH TRAFFIC ON DOUGLAS HIGHWAY UNTIL THE FOLLOWING PROJECT IS COMPLETED: EGAN DRIVE 10TH STREET INTERSECTION CAPACITY IMPROVEMENTS. GENERAL CONTRACTOR SECON. THIS PROJECT IS SCHEDULED FOR COMPLETION AUGUST 15, 2005.
- WORK ZONE DOUBLE TRAFFIC FINE SIGNS SHALL BE USED AS DIRECTED BY THE ENGINEER.
- SEE SPECIAL PROVISION 108-1.04 FOR LIMITATIONS OF OPERATION.



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

FORMULAS FOR L (TAPER LENGTH)

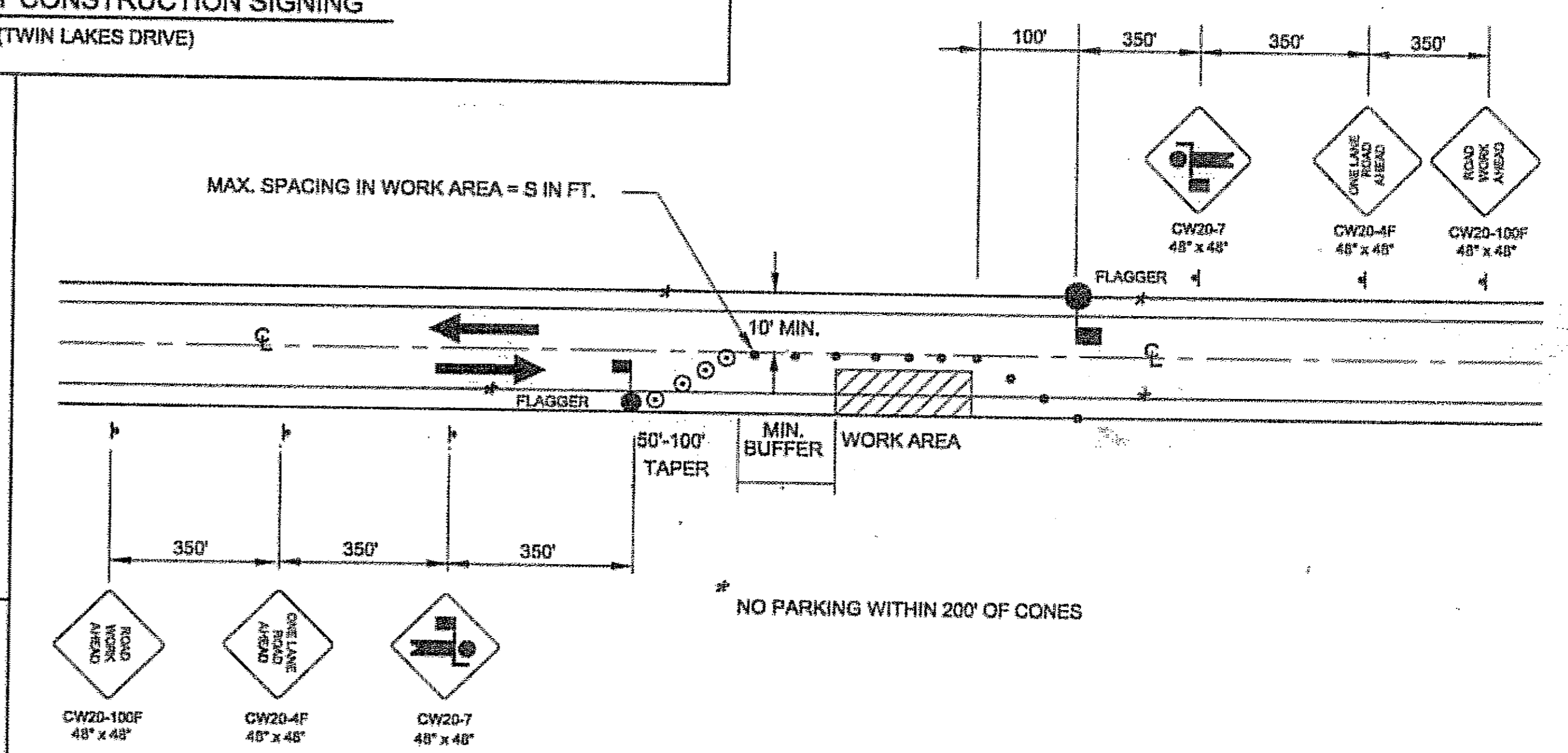
40 MPH OR LESS $L = \frac{W \times S^2}{60}$

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

DRUM OR CONE SPACING = S (IN FEET)

Where W = WIDTH OF OFFSET
S = POSTED SPEED LIMIT

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



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN

DESIGNED BY: R. PURVES
DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

JNU-FFY05 AREAWIDE PAVING
PROJECT NO. 68342

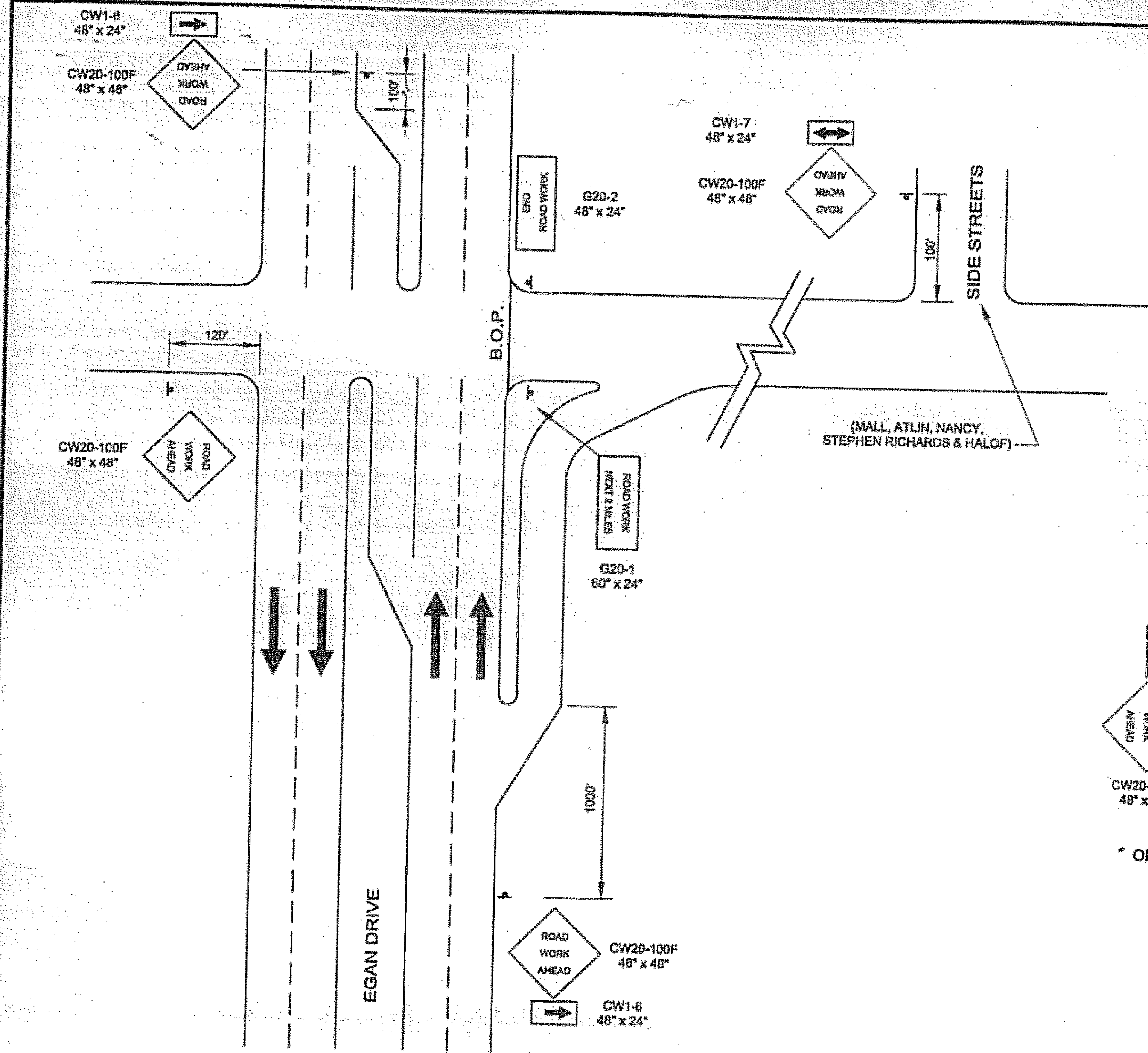
TWIN LAKES DRIVE &
DOUGLAS HIGHWAY
TRAFFIC CONTROL PLAN

DESIGNED BY: R. PURVES
DRAWN BY: D. STEVENS

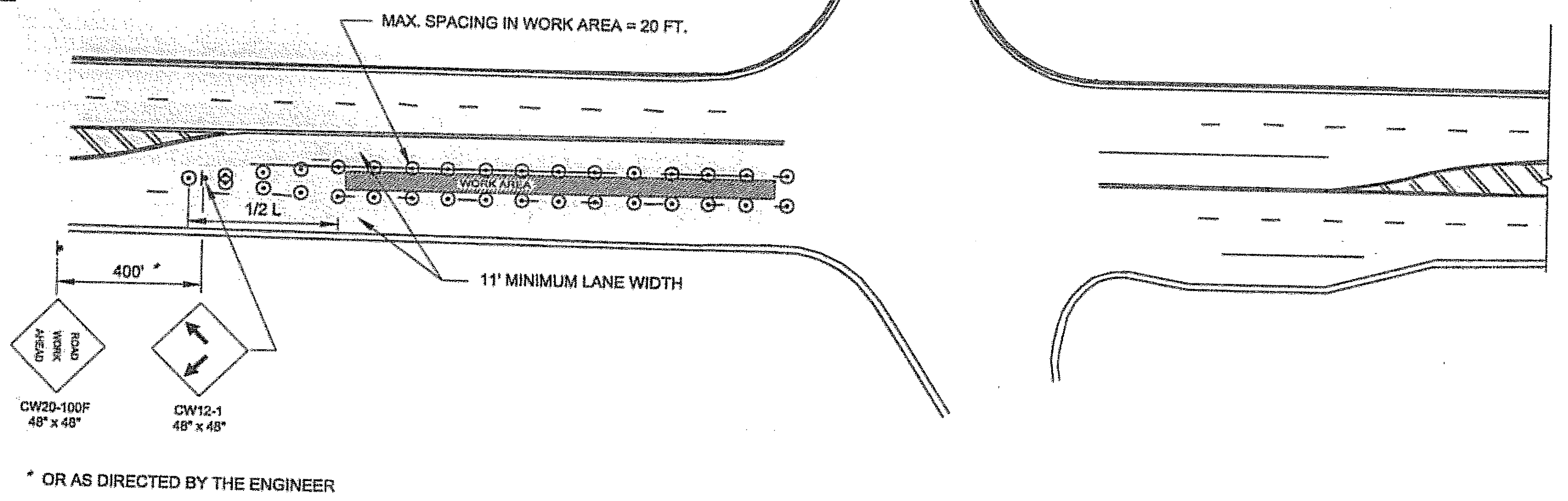
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NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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PE: [Signature] Date 3/19/07

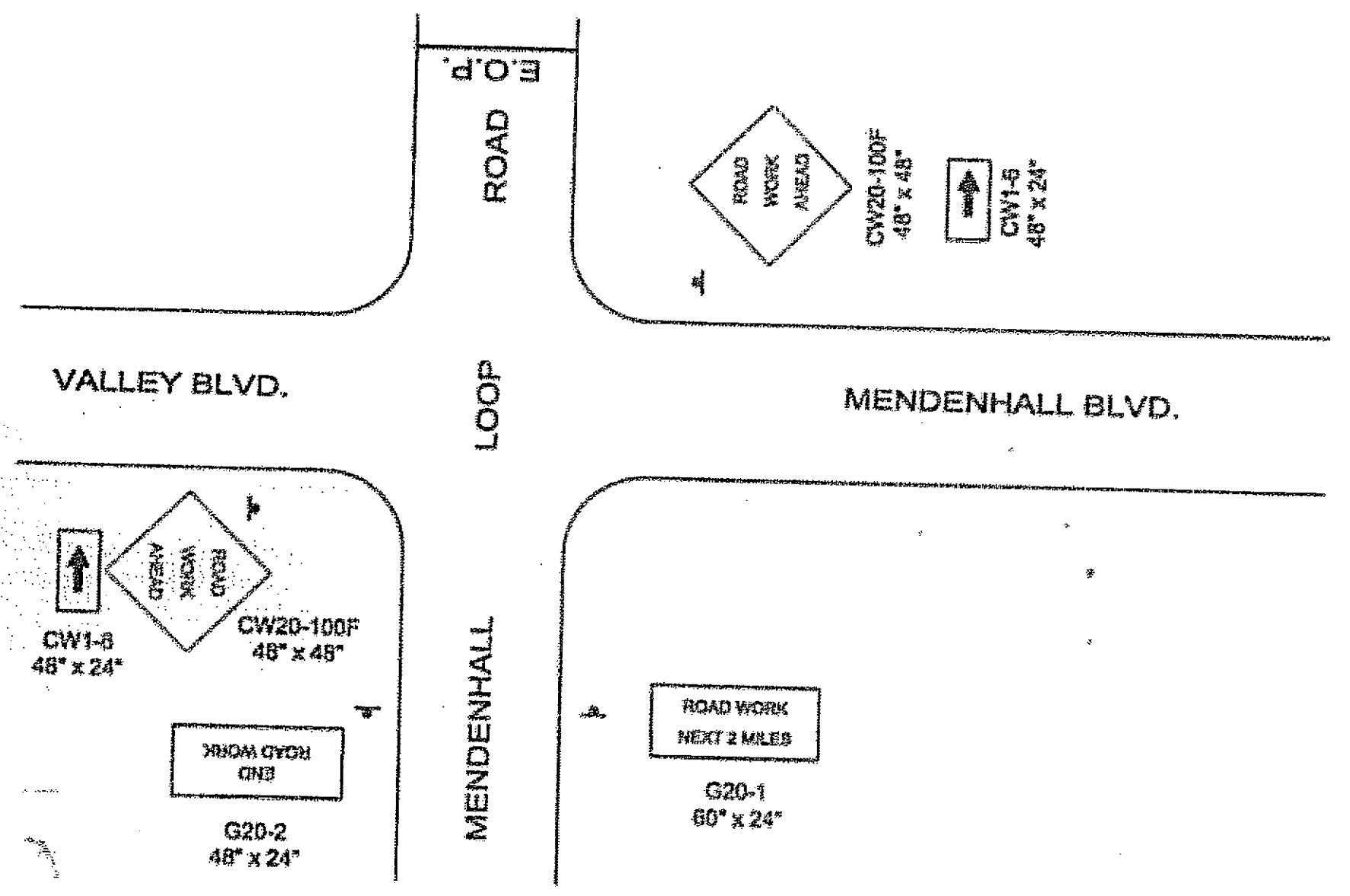


- NOTES:**
1. THIS DETAIL APPLIES TO BOTH THE EGAN/LOOP AND LOOP/ATLIN INTERSECTIONS.
 2. FOR ADDITIONAL NOTES ON TRAFFIC CONTROL DURING WORK ON THE TRAFFIC SIGNAL AND J-BOX RELOCATION SEE SECTION 643 OF THE SPECIAL PROVISIONS.
 3. WORK ZONE DOUBLE TRAFFIC FINE SIGNS SHALL BE USED AS DIRECTED BY THE ENGINEER.

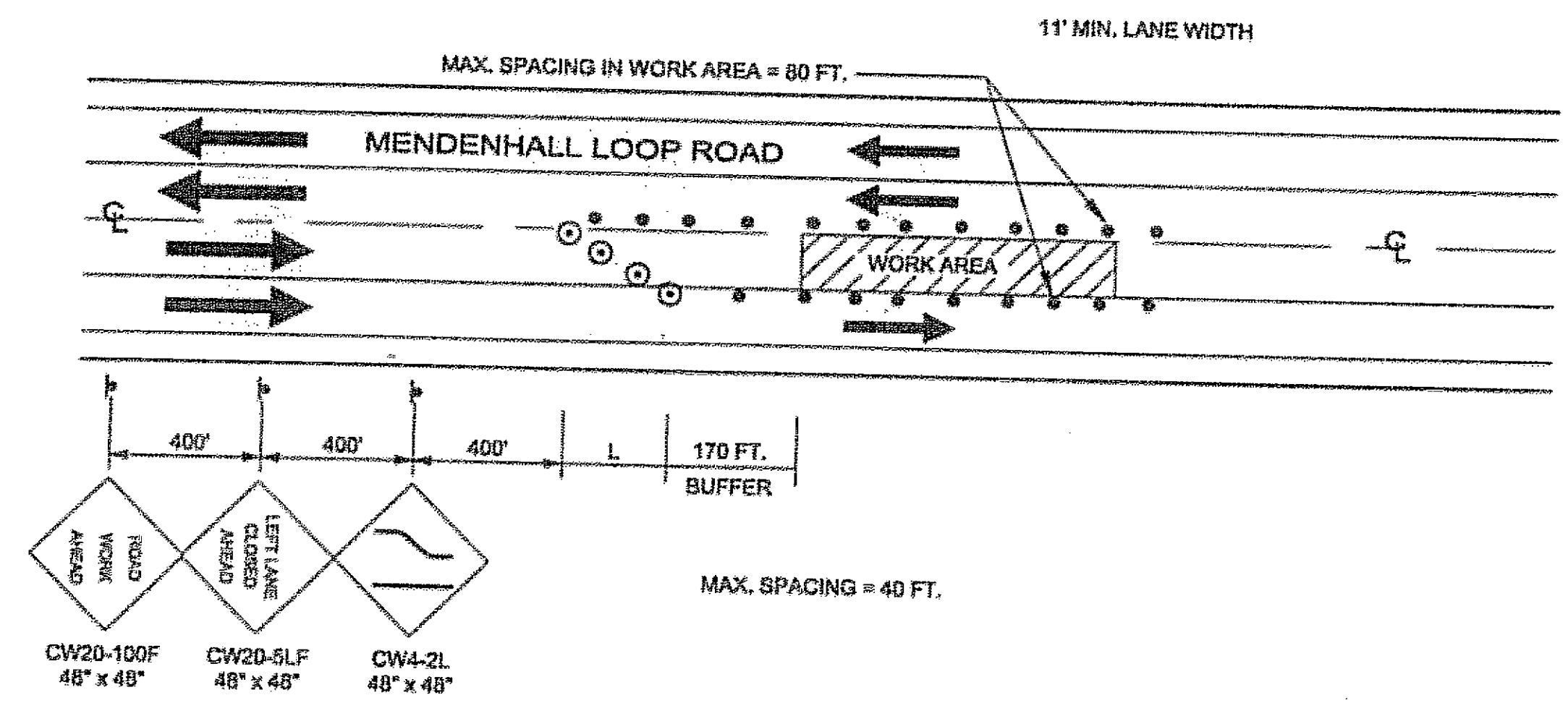


**LEFT THROUGH LANE CLOSURE AT INTERSECTIONS
FIVE LANE ROAD**

**B.O.P.
PERMANENT CONSTRUCTION SIGNING**



**E.O.P.
PERMANENT CONSTRUCTION SIGNING**



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

LEGEND

- SIGN
- CONE
- ⊙..... DRUM
- |||..... TYPE III BARRICADE
- ⚑..... FLAGGING STATION

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN

DESIGNED BY: R. PURVES

DRAWN BY: D. STEVENS

PATH: C:\m\486342\Plans\LOOP_04.dwg

TAB: TCP-1

WED, 08JUN05 01:58PM

James A. Evensen
CE-8345
REGISTERED PROFESSIONAL ENGINEER

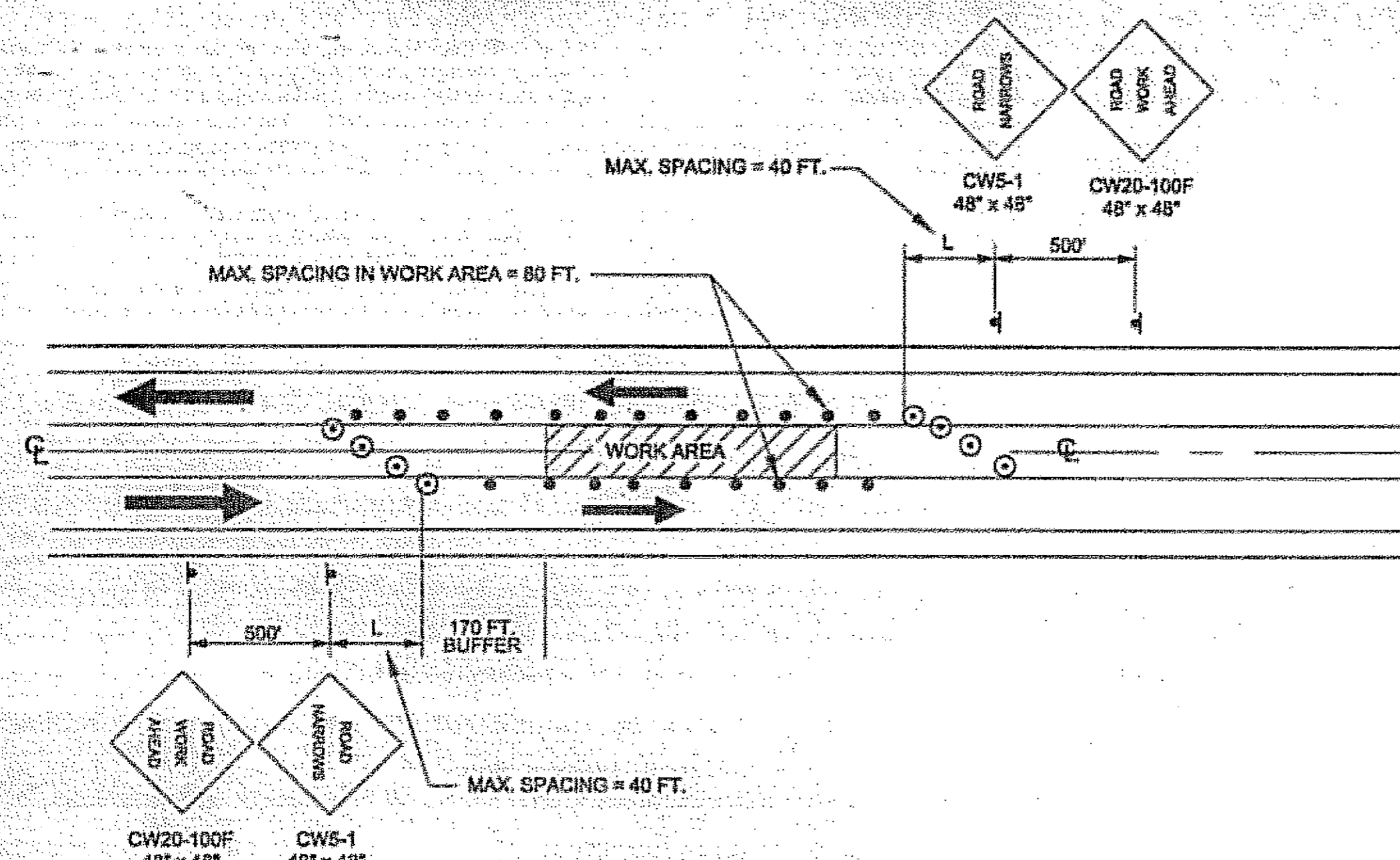
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

JNU-FFY05 AREAWIDE PAVING
PROJECT NO. 68342

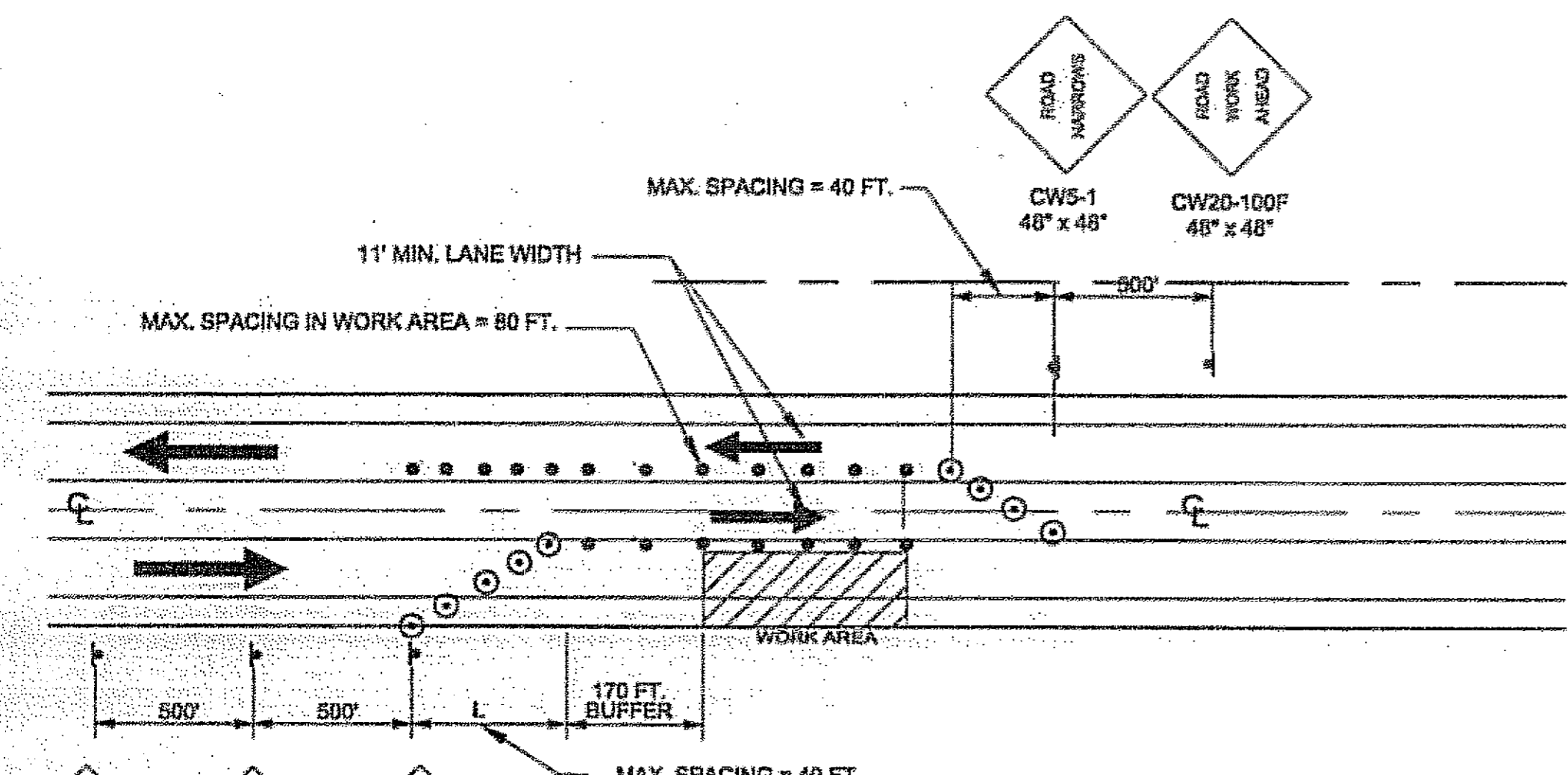
**MENDENHALL LOOP ROAD
TRAFFIC CONTROL PLAN/
LOOP INSTALLATION**

REVISIONS			PROJECT DESIGNATION		YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	IM-00S(527)68342		2005	S2	34

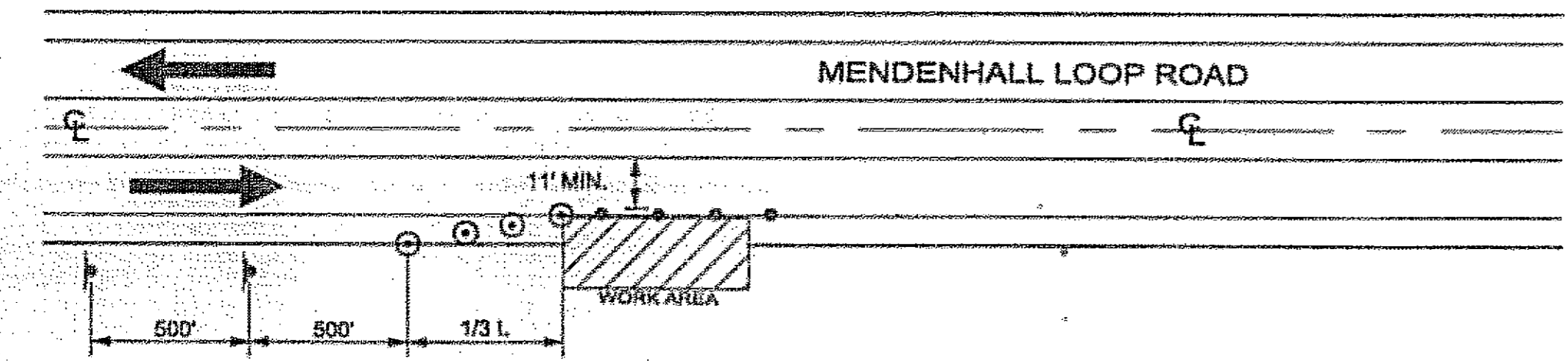
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PE: [Signature] Date: 3/19/07



CENTER LANE CLOSURE
THREE LANE ROAD
(ALSO APPLIES TO 5 LANE)

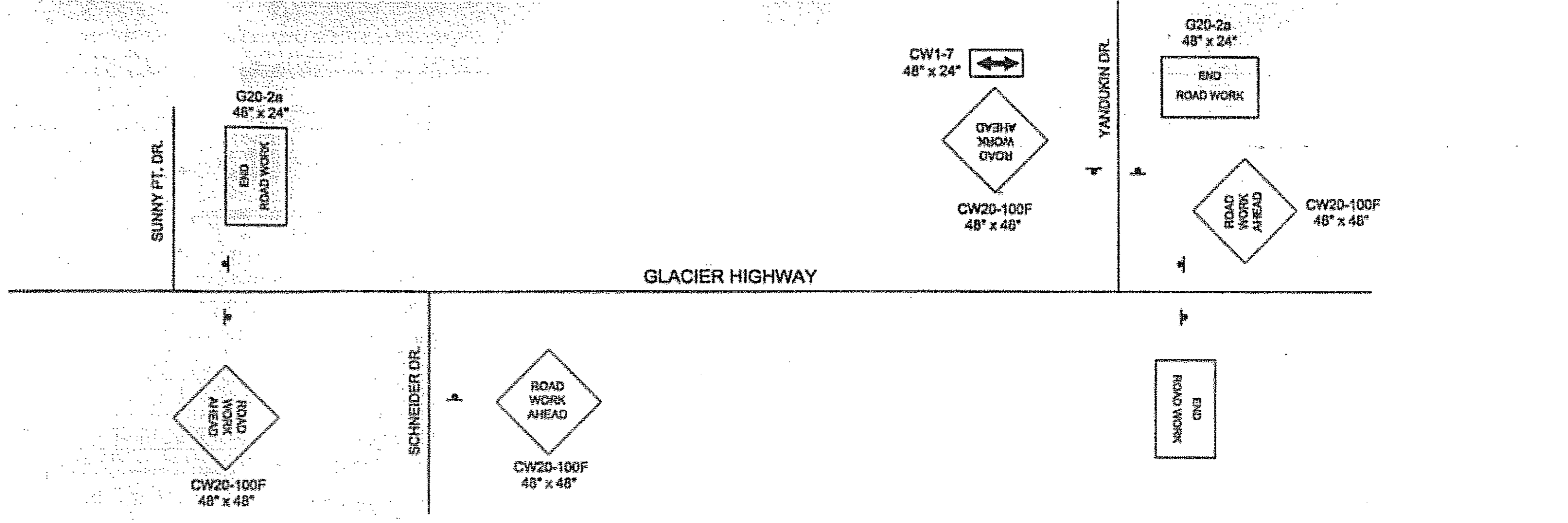


OUTSIDE LANE CLOSURE
THREE LANE ROAD

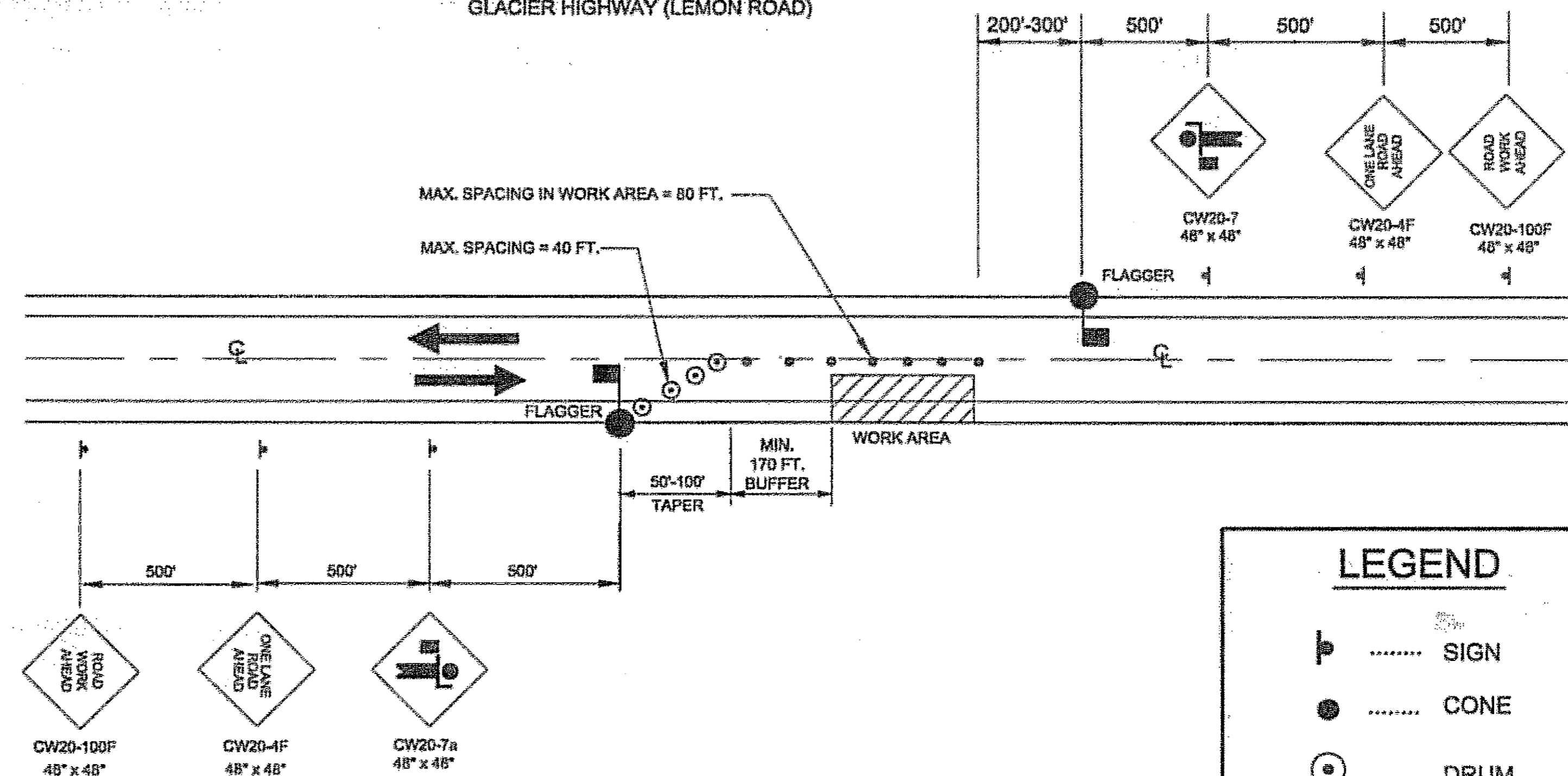


SHOULDER WORK

TYPICAL WORK ZONE TRAFFIC CONTROL



PERMANENT CONSTRUCTION SIGNING
GLACIER HIGHWAY (LEMON ROAD)



SINGLE LANE CLOSURE
TWO LANE ROAD

LEGEND

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

TRAFFIC CONTROL NOTES

1. SEE SECTION 843-3.08 OF THE SPECIAL PROVISIONS FOR RESTRICTIONS ON LANE CLOSURES.
2. 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.
3. ONE LANE IN EACH DIRECTION SHOULD BE MAINTAINED AT ALL TIMES. THE ONE LANE TWO WAY OPERATION WILL ONLY BE ALLOWED IF THIS SET UP IS APPROVED BY THE PROJECT ENGINEER.
4. WORK ZONE DOUBLE TRAFFIC FINE SIGNS SHALL BE USED AS DIRECTED BY THE ENGINEER.
5. SEE SPECIAL PROVISION 108-1.04 FOR LIMITATIONS OF OPERATION.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 3/1/11

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN

DESIGNED BY: R. PURVES
DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

JNU-FFY05 AREAWIDE PAVING
PROJECT NO. 68342

MENDENHALL LOOP ROAD / LEMON ROAD & BROTHERHOOD BRIDGE TRAFFIC CONTROL PLAN

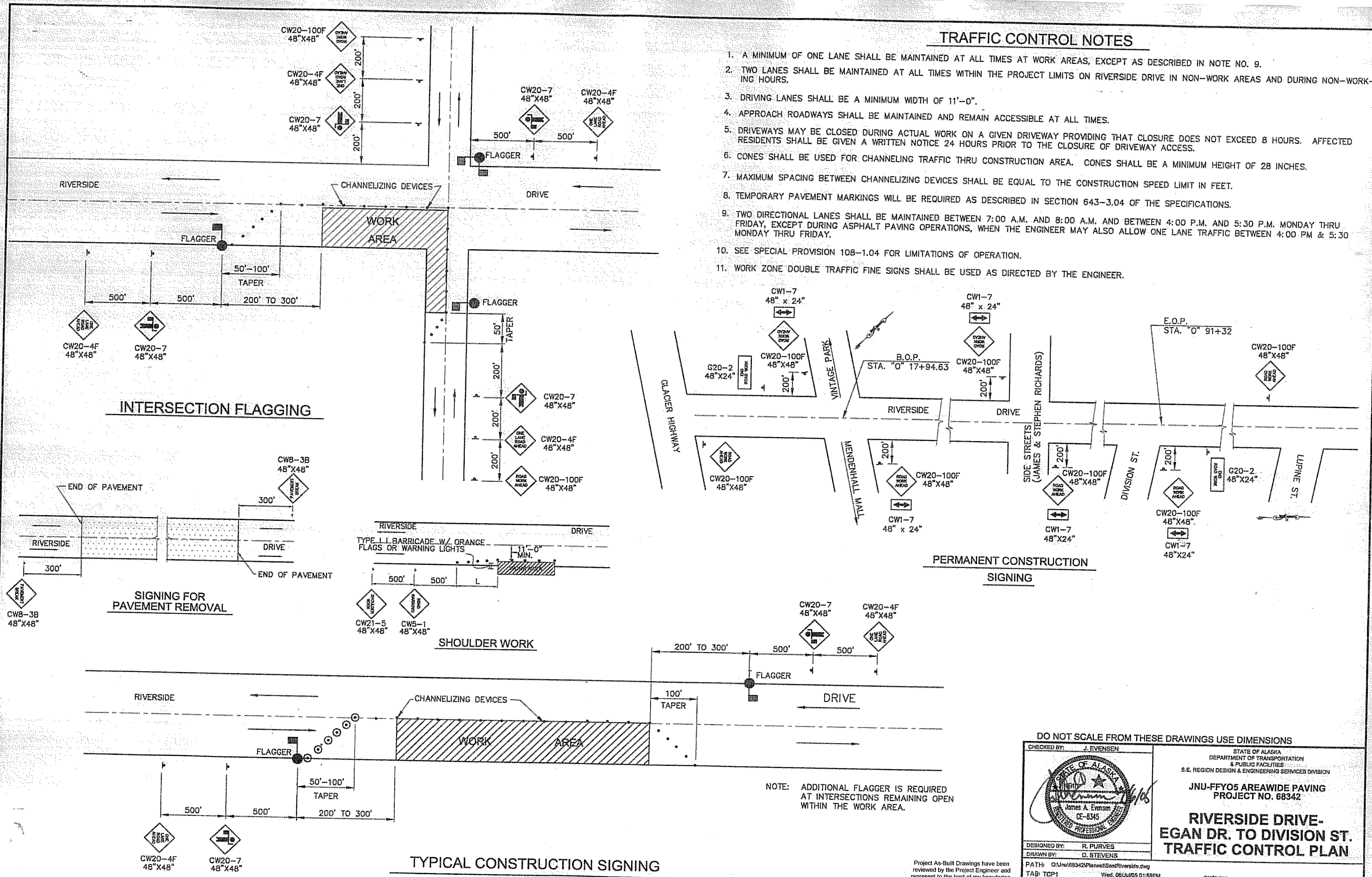
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NO.	DATE	REVISIONS DESCRIPTION

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
IM-000S(527)\68342	2005	S3	34

TRAFFIC CONTROL NOTES

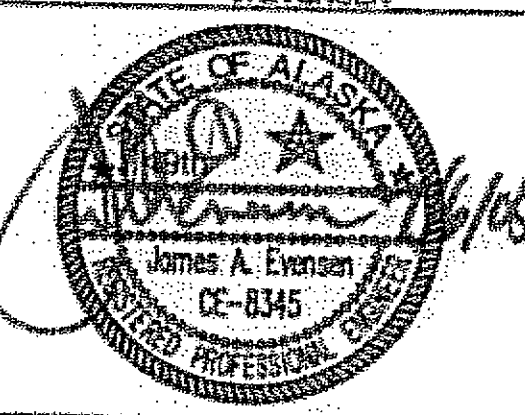
1. A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES AT WORK AREAS, EXCEPT AS DESCRIBED IN NOTE NO. 9.
2. TWO LANES SHALL BE MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS ON RIVERSIDE DRIVE IN NON-WORK AREAS AND DURING NON-WORKING HOURS.
3. DRIVING LANES SHALL BE A MINIMUM WIDTH OF 11'-0".
4. APPROACH ROADWAYS SHALL BE MAINTAINED AND REMAIN ACCESSIBLE AT ALL TIMES.
5. DRIVEWAYS MAY BE CLOSED DURING ACTUAL WORK ON A GIVEN DRIVEWAY PROVIDING THAT CLOSURE DOES NOT EXCEED 8 HOURS. AFFECTED RESIDENTS SHALL BE GIVEN A WRITTEN NOTICE 24 HOURS PRIOR TO THE CLOSURE OF DRIVEWAY ACCESS.
6. CONES SHALL BE USED FOR CHANNELING TRAFFIC THRU CONSTRUCTION AREA. CONES SHALL BE A MINIMUM HEIGHT OF 28 INCHES.
7. MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES SHALL BE EQUAL TO THE CONSTRUCTION SPEED LIMIT IN FEET.
8. TEMPORARY PAVEMENT MARKINGS WILL BE REQUIRED AS DESCRIBED IN SECTION 643-3.04 OF THE SPECIFICATIONS.
9. TWO DIRECTIONAL LANES SHALL BE MAINTAINED BETWEEN 7:00 A.M. AND 8:00 A.M. AND BETWEEN 4:00 P.M. AND 5:30 P.M. MONDAY THRU FRIDAY, EXCEPT DURING ASPHALT PAVING OPERATIONS, WHEN THE ENGINEER MAY ALSO ALLOW ONE LANE TRAFFIC BETWEEN 4:00 PM & 5:30 MONDAY THRU FRIDAY.
10. SEE SPECIAL PROVISION 108-1.04 FOR LIMITATIONS OF OPERATION.
11. WORK ZONE DOUBLE TRAFFIC FINE SIGNS SHALL BE USED AS DIRECTED BY THE ENGINEER.



NOTE: ADDITIONAL FLAGGER IS REQUIRED AT INTERSECTIONS REMAINING OPEN WITHIN THE WORK AREA.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
 PE [Signature] Date 5/19/07

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: J. EVENSEN  DESIGNED BY: R. PURVES DRAWN BY: D. STEVENS	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION JNU-FFY05 AREAWIDE PAVING PROJECT NO. 68342 <h3 style="text-align: center;">RIVERSIDE DRIVE-EGAN DR. TO DIVISION ST. TRAFFIC CONTROL PLAN</h3> PATH: C:\nuw\68342\PlanSet\Drawings\Traffic.dwg TAB: TCP1 Wed, 06/14/05 01:58PM						
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