

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

JUNEAU, ALASKA

**RIVERSIDE DRIVE
 BIKE/PEDESTRIAN
 ACCESSIBILITY
 IMPROVEMENTS**

PROJECT NO. TE-093-3 (10)/71628

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION
3	ESTIMATE OF QUANTITIES/MISC. SUMMARIES
4-8	PLANS AND PROFILES
9	ENVIRONMENTAL DETAILS
10	TRAFFIC SIGNAL SYSTEM RELOCATION DETAILS
11	TRAFFIC CONTROL PLAN
12	STRIPING & SIGNING DETAILS

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1, C-01.03, C-02.01, C-03.01, C-05.00, D-01.02, D-04.10, D-05.10, D-20.02, F-01.01, L-23.01, S-00.00, S-05.00, S-30.01, T-21.01, T-22.02

"AS-BUILT" PLANS

Contractor : GASTINEAU CONTRACTORS

Proj. Engr. : AL CULBREATH

Beg. Project : MAY 16, 1996

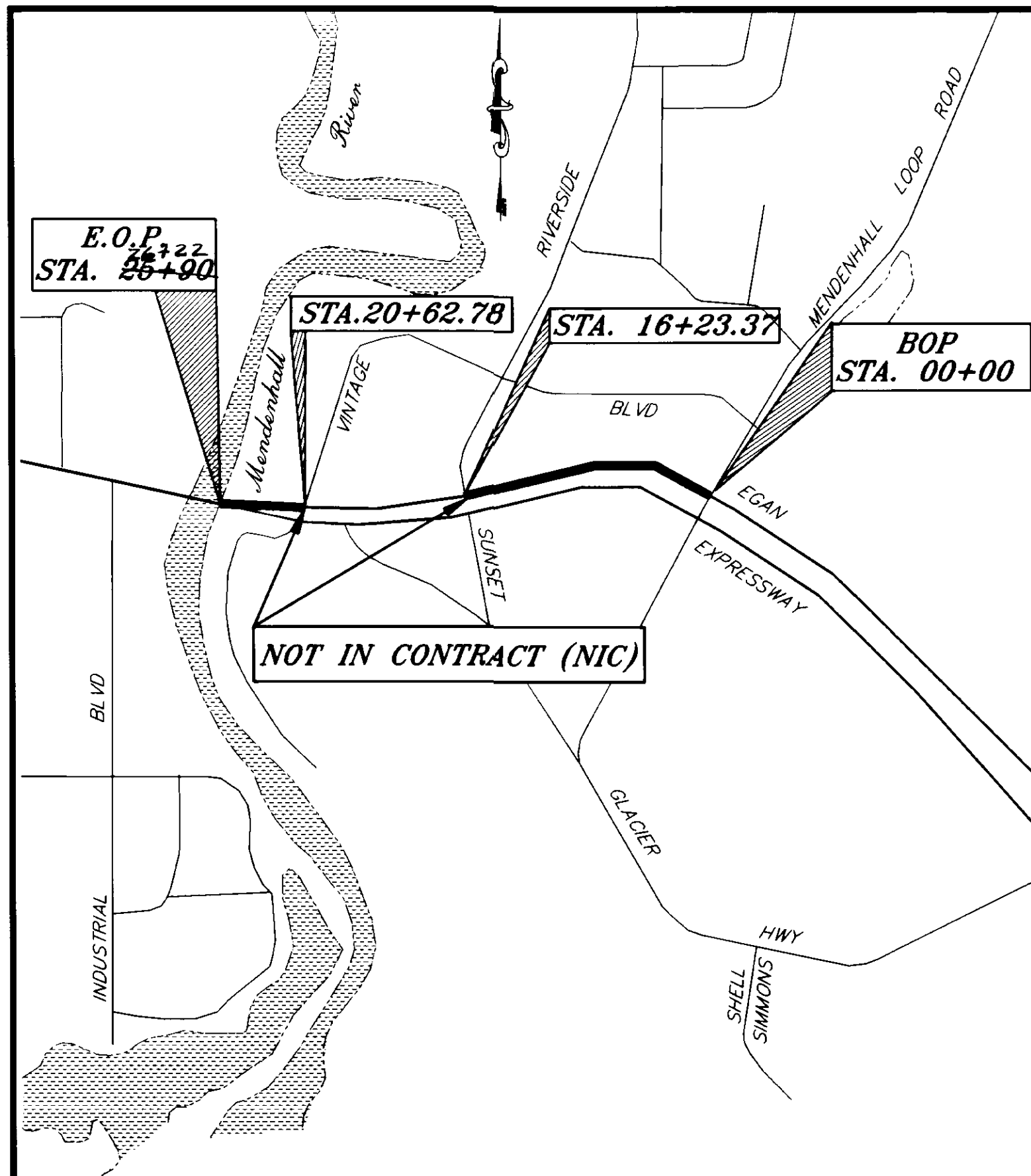
End Project ; AUGUST 30, 1996

PROJECT SUMMARY

WIDTH OF PAVING.....8 FEET
 LENGTH OF PROJECT.....2590 FEET (0.49 MILES)
 LENGTH OF PAVING.....2051.74 FEET (0.41 MILES)

PROJECT DESIGN CRITERIA

DESIGN SPEED.....20 MPH
 MAX. PROFILE GRADE.....5%
 MIN. HORIZONTAL CURVE RADIUS.....95 FEET
 MIN. LENGTH OF VERTICAL CURVE.....40 FEET
 MAX. CROSS SLOPE.....2%
 MIN. SEPARATION DISTANCE
 WITHOUT BARRIER BETWEEN
 EDGE ROADWAY AND BIKE/
 PEDESTRIAN PATH.....5 FEET



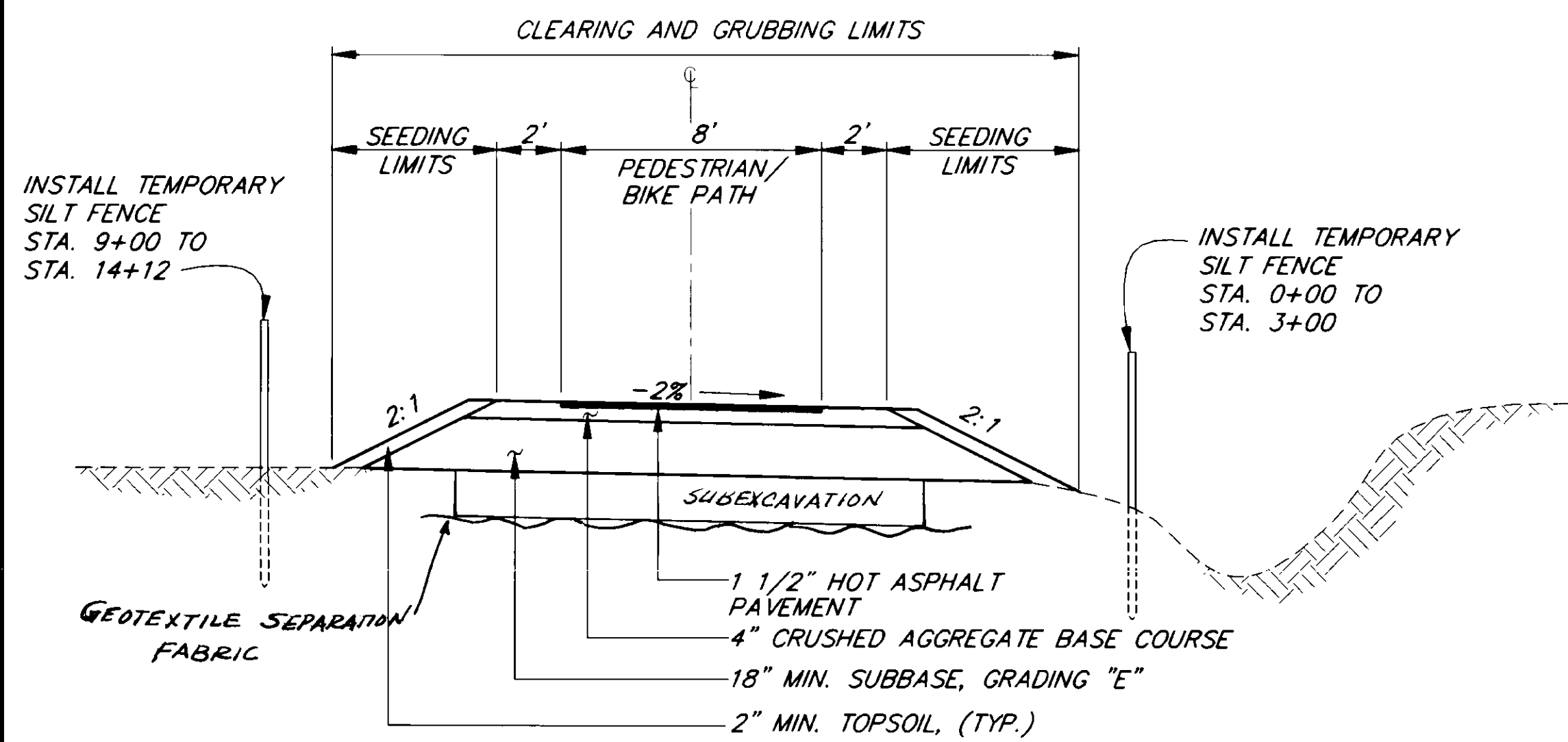
VICINITY MAP

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

APPROVED
 Regional Preconstruction Engineer Date 9/24/95

APPROVED
 Director, S.E. Region Design & Construction Date 9/24/95

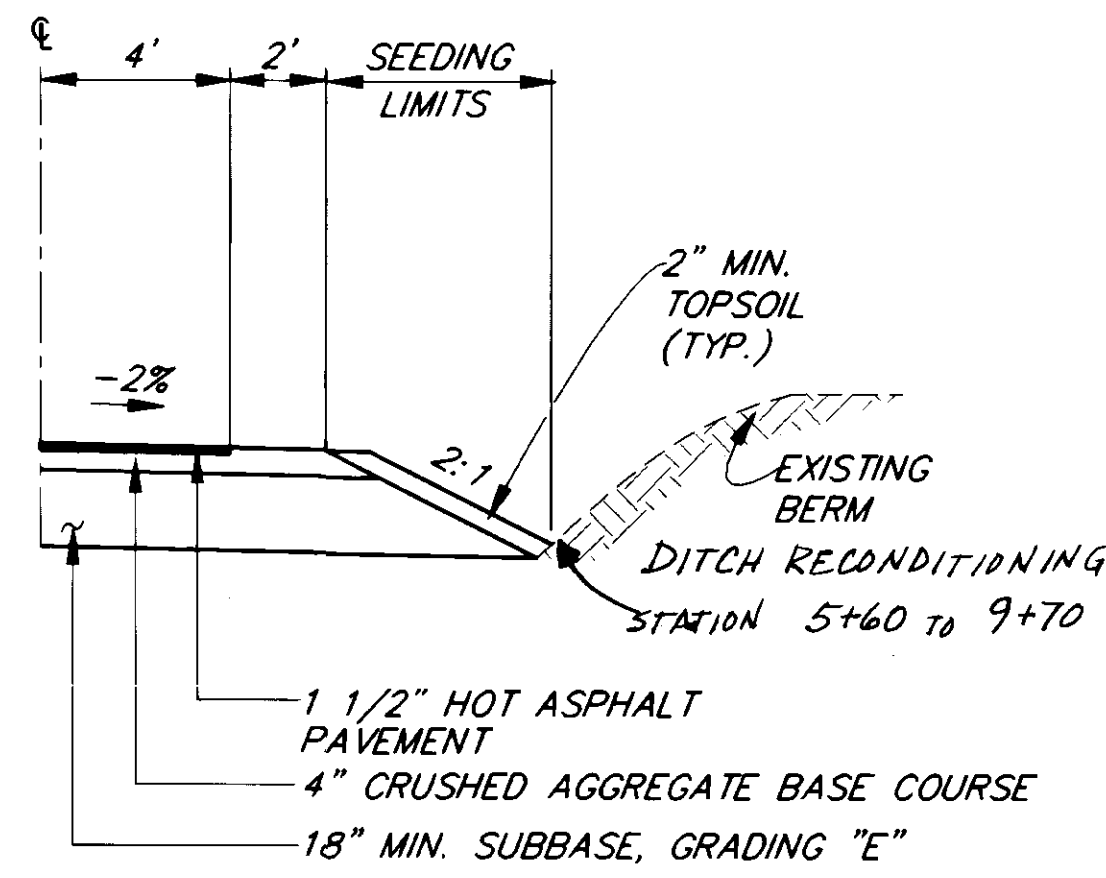
PROJECT NUMBER: 71628	ENGINEER'S SEAL
DATE: 1995	
SHEET 1 OF 12	



TYPICAL SECTION

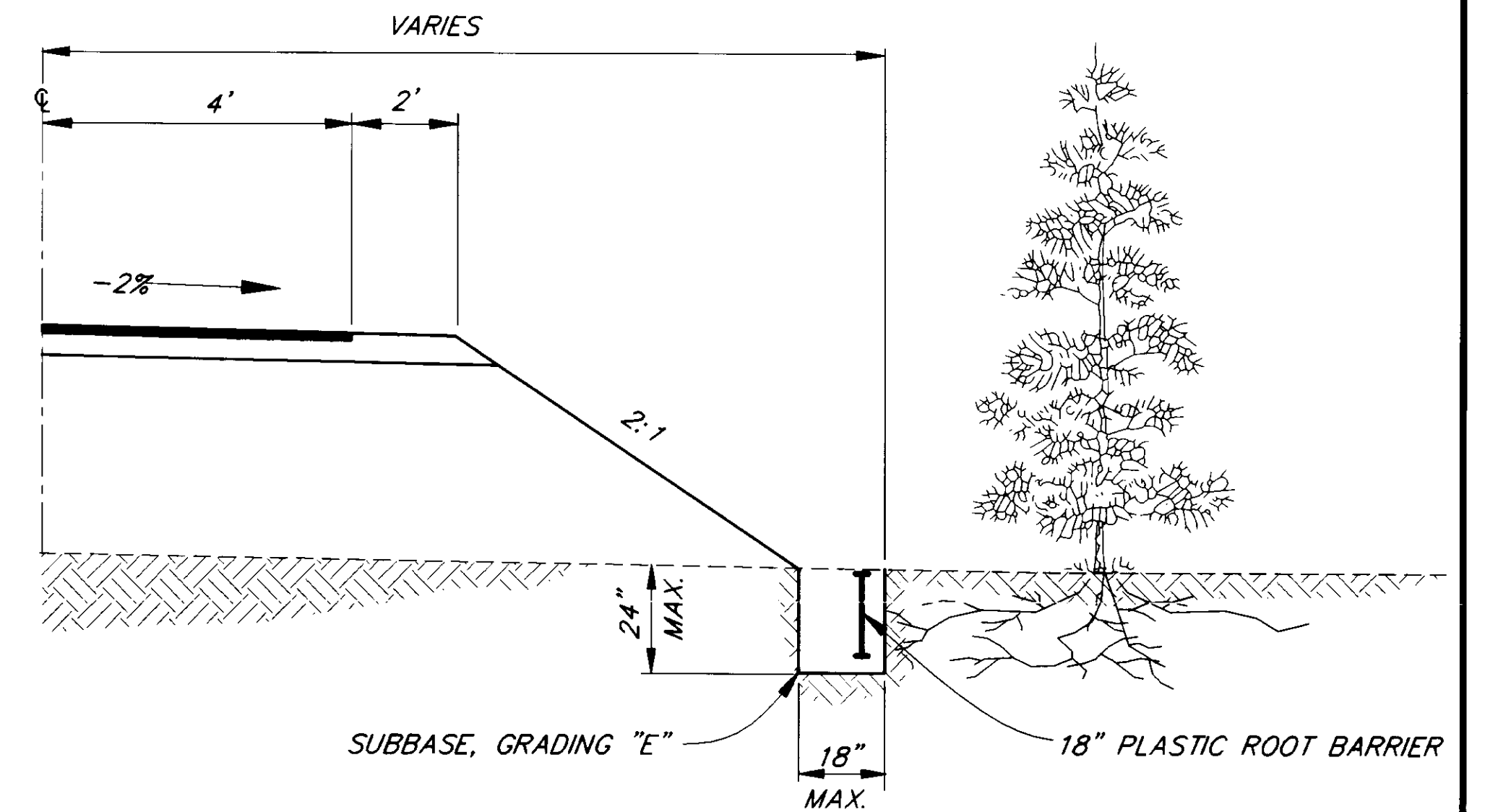
STATION 0+00 TO 6+30
STATION 10+30 TO 16+23.27

SUB-EXCAVATION TYPICAL
1+75 TO 12+00 1' TO 2' DEPTH
13+00 TO 14+00 2' DEPTH



BERM TYPICAL SECTION

STATION 6+30 TO 10+30

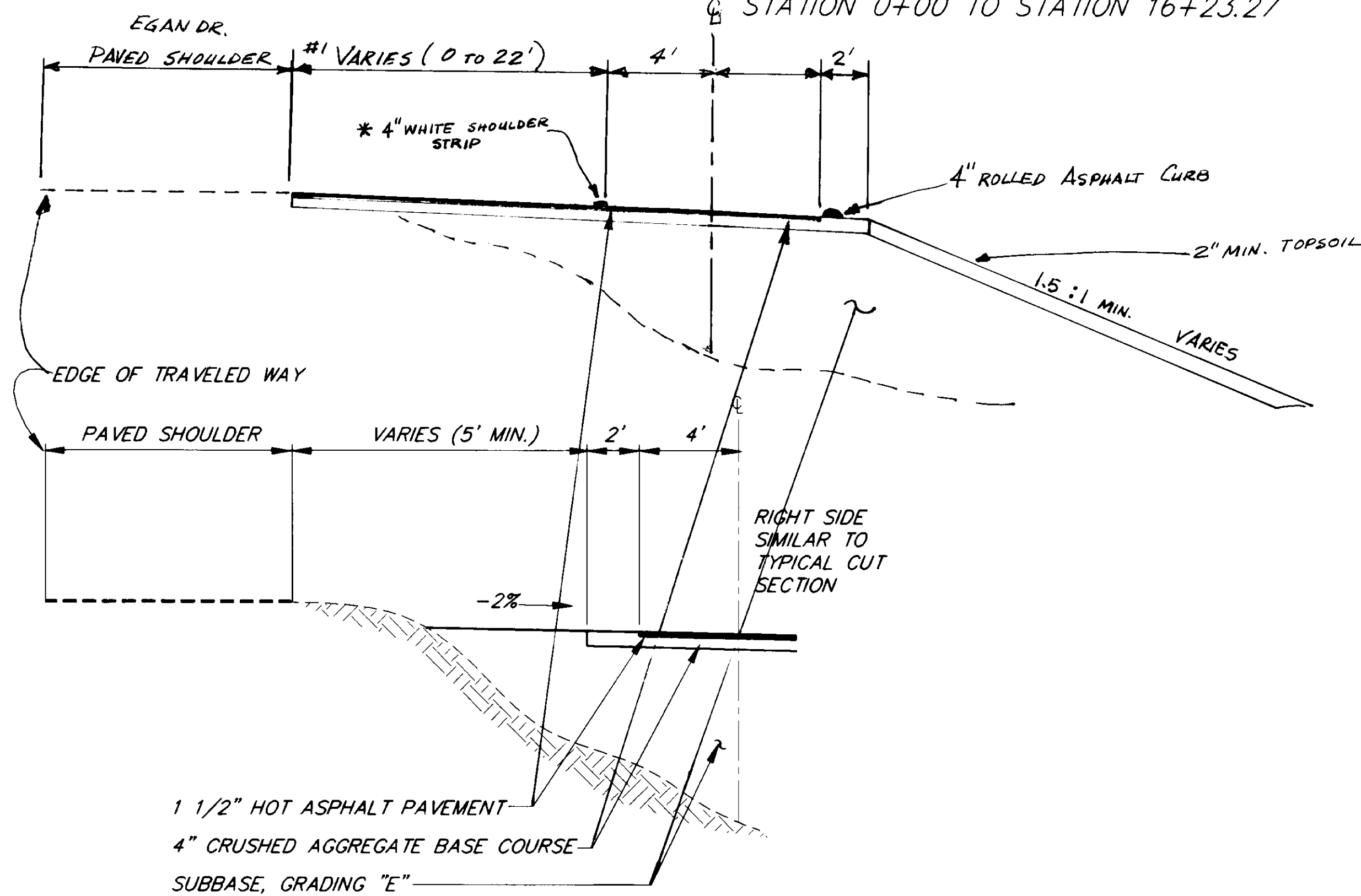


ROOT BARRIER DETAILS

SEE SUMMARY TABLE ON SHEET 3.

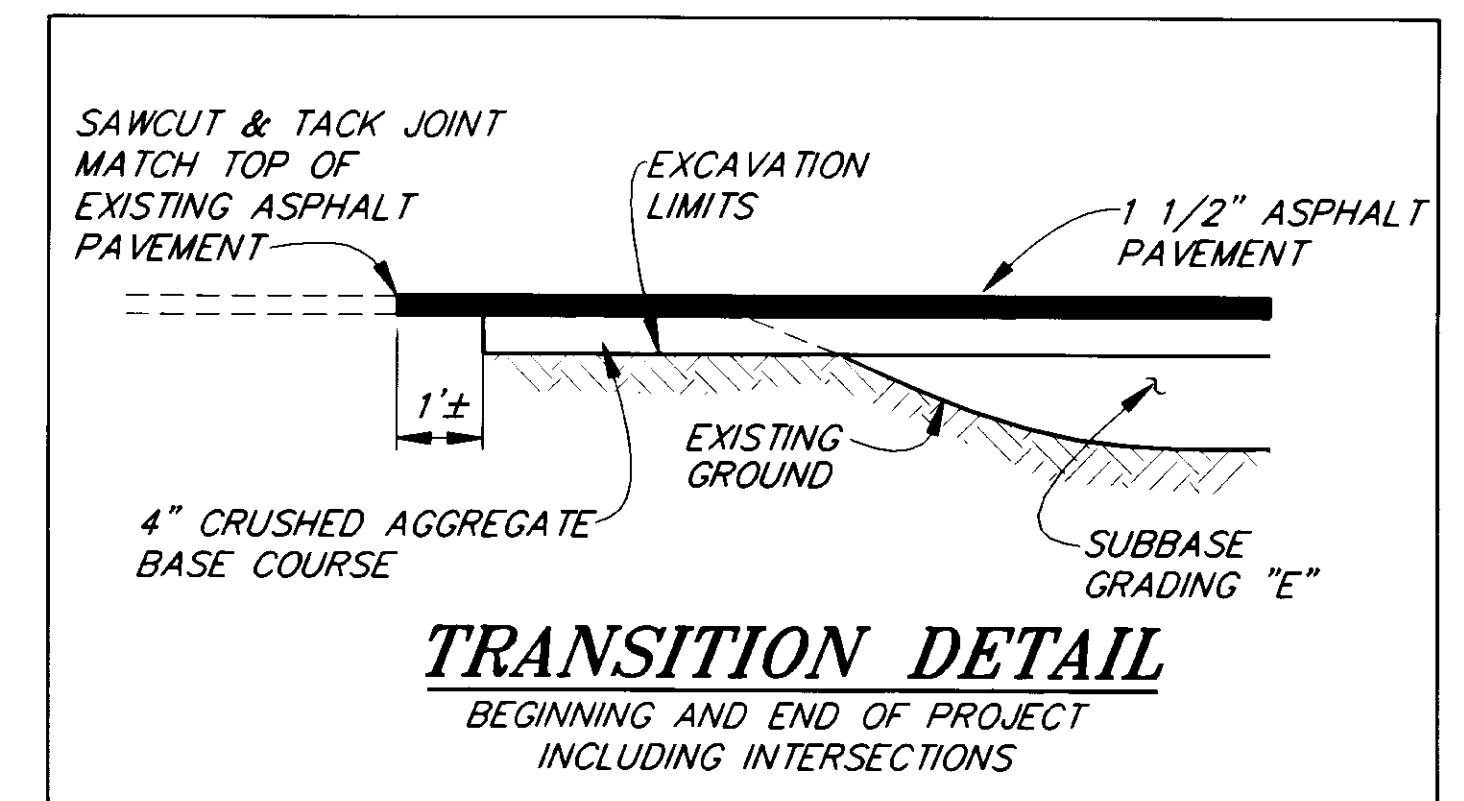
MENDENHALL LOOP ROAD TO RIVERSIDE DRIVE

STATION 0+00 TO STATION 16+23.27



TYPICAL FILL SECTION

STATION TO STATION
20+62 TO 21+35 20+47 TO 22+83*
21+90 TO 23+55 24+05 TO 25+40
25+02 TO 25+90

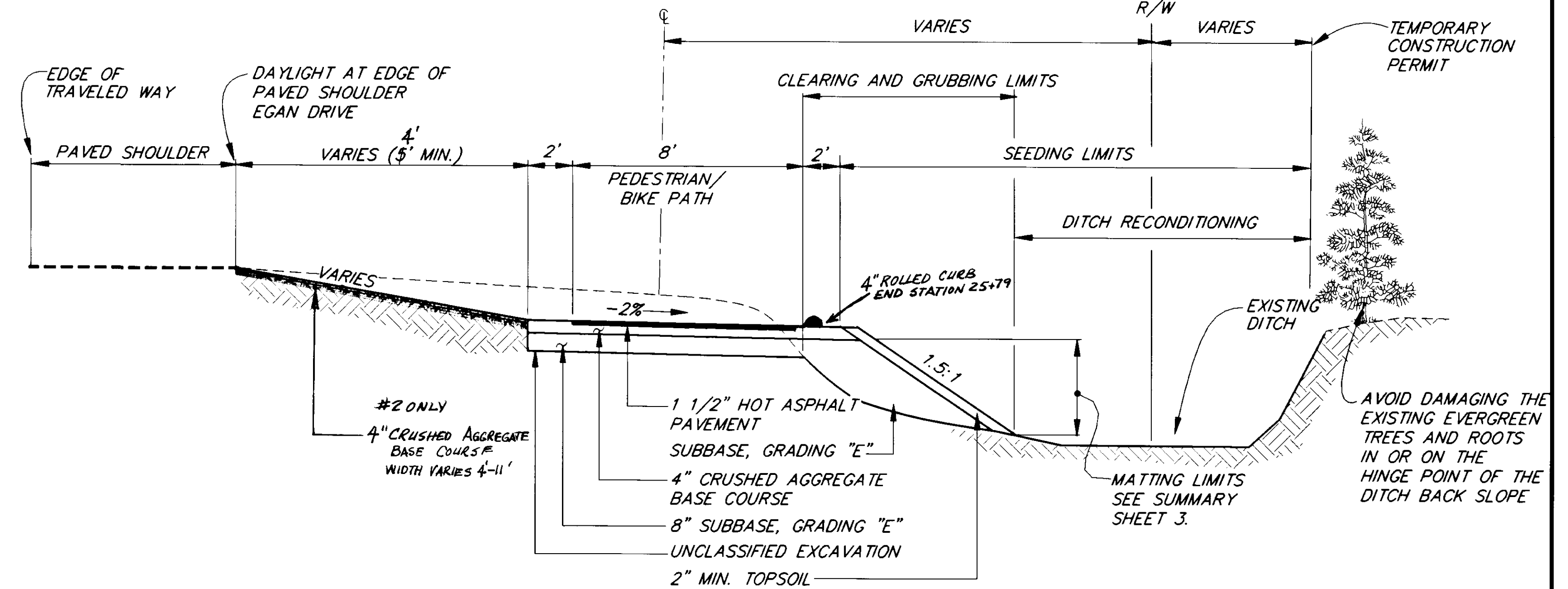


TRANSITION DETAIL

BEGINNING AND END OF PROJECT INCLUDING INTERSECTIONS

VINTAGE BLVD. TO VINTAGE PARK

STATION 20+62.78 TO STATION 25+90



TYPICAL CUT SECTION

STATION TO STATION
21+35 TO 21+90 #2 22+83 TO 24+05
23+55 TO 25+02 25+90 TO 26+22

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

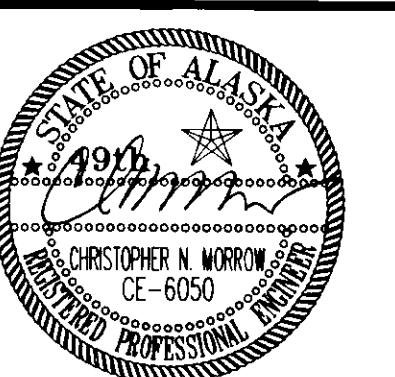
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU ALASKA
GLACIER HIGHWAY
RIVERSIDE DRIVE BIKE/PEDESTRIAN ACCESS IMPROVEMENTS
PROJECT NO.~FED. NO. TE-093-3(10)-71628

TYPICAL SECTIONS

DESIGNED BY:	P.JONES	PROJECT NO.	71628
DRAWN BY:	C. ANDERSON	DATE:	1995
CHECKED BY:	C. MORROW	SHEET	2 OF 12



ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
120(1)	DBE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D.
201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQ'D.
202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQ'D.
202(4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	54 20
203(12)	DITCH RECONDITIONING	STATION	7.34 4.5
203(13)	UNCLASSIFIED EXCAVATION	LUMP SUM	ALL REQ'D.
301(1)	CRUSHED AGGREGATE BASE COURSE	TON	1,000.50 900
304(1)	SUBBBASE GRADING "E"	TON	7,648 5,500
603(17-18)	18 INCH PIPE	LINEAR FOOT	112 90
603(17-24)	24 INCH PIPE	LINEAR FOOT	80 70
603(17-48)	48 INCH PIPE	LINEAR FOOT	380 70
604(3)	RECONSTRUCT EXISTING MANHOLE	EACH	1
608(3)	ASPHALT SIDEWALK	SQUARE YARD	2,299.31 850
615(1)	STANDARD SIGNS	SQUARE FOOT	34.4 27
618(1)	SEEDING	ACRE	.87 0.5
619(2)	MATTING	SQUARE YARD	410.8 550
620(1)	TOP SOIL	SQUARE YARD	2,827.9 5,600
633(1)	SILT FENCE	LINEAR FOOT	750 812
634(1)	ROOT BARRIER	LINEAR FOOT	1,825 1,490
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D.
641(1)	EROSION AND POLLUTION CONTROL ADMIN	LUMP SUM	ALL REQ'D.
641(2)	EROSION AND POLLUTION CONTROL	LUMP SUM	ALL REQ'D.
641(4)	TEMPORARY CHECK DAM	EACH	4
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D.
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	72 435
643(7)	TRAFFIC CONE	EACH PER DAY	266 2,400
643(8)	DRUM	EACH PER DAY	105 330
643(15)	FLAGGING	HOUR	34 200
660(11)	TRAFFIC SIGNAL SYSTEM RELOCATION	LUMP SUM	ALL REQ'D.
670(1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQ'D.

EXISTING MANHOLE SUMMARY

STATION	LT.	RT.	REMARKS
15+45		8'	RECONSTRUCT
TOTAL		1	EACH

MATTING SUMMARY

STATION TO STATION	LT	RT	LENGTH	SQ YD	REMARKS
21+40 TO 25+40		X	400'	550	
BOP 25' LT			12	8	
15+17 TO 15+62			45	22.5	
22+34 TO 25+78			282	380.34	
TOTAL				550	410.84

BASIS OF ESTIMATE

ITEM NO.	ITEM	QUANTITY
304(1)	SUBBBASE GRADING "E"	1.85 TONS/CU. YD.
301(1)	CRUSHED AGGREGATE BASE COURSE	1.96 TONS/CU. YD.

DITCH RECONDITIONING SUMMARY

STA. TO STA.	OFFSET		REMARK
	LEFT	RIGHT	
5+60 TO 9+70		4.10	
21+40 TO 25+90		X	
22+34 TO 23+42		2.42	
25+22 TO 25+79		.82	
TOTAL	=	4.5 STATIONS	7.34

CULVERT SUMMARY

PIPE NO.	STATION	OFFSET	18"	24"	48"	CULVERT REMOVAL	REMARKS
(P-1)	9+04	0	25'26"				CROSS CULVERT
(P-2)	10+22	0	25'30"				CROSS CULVERT
(P-3)	11+55	0	20'26"				CROSS CULVERT
(P-4)	13+92	0		30'			CROSS CULVERT
(P-5)	15+38	20' RT.				20'	REMOVE EXISTING
(P-6)	15+40.61	0		40'5.0"			CULVERT EXTENSION
(P-7)	15+45.22+34	0	20'30"				CROSS CULVERT
(P-8)	20+74 TO 21+44	12' RT.			10'9.0"		CULVERT EXTENSION
(P-9)	23+42 TO 25+22				180		
	TOTAL		90'	70'	70'		
(P-10)	25+79 TO 26+14				40		
TOTAL			112	00	380		

REMOVE STRUCTURES & OBSTRUCTIONS

STATION	LT	RT	REMARKS
0+03	X	X	(20') EXISTING CHAIN LINK FENCE
15+10 TO 15+70		X	(53 S.Y.) EXISTING ASPHALT BIKE/PEDESTRIAN PATH
24+60 TO 25+90		X	(116 S.Y.) EXISTING ASPHALT BIKE/PEDESTRIAN PATH

ROOT BARRIER SUMMARY

STATION TO STATION	LT	RT	LENGTH	STATION TO STATION	REMARKS	LENGTH
0+00 TO 3+50	X		450' 350	3+50 TO 6+00 LT.		250'
0+00 TO 5+50 3+00		X	550' 300	3+50 TO 5+50 RT.		200'
6+25 TO 9+00		X	275'	7+65 TO 8+03 RT.		38'
9+25 TO 10+25 10		X	100' 85	10+50 TO 10+75 LT.		25'
10+35 TO 11+50		X	115'	12+06 TO 12+93 RT.		87'
TOTAL			1,490 L.F.			
TOTAL			1,490			400" = 1,725'

GENERAL NOTES

- GRADES AND ALIGNMENT AS SHOWN ON THE PLANS ARE SUBJECT TO MINOR REVISION.
- ALL UNCLASSIFIED EXCAVATION IS CONSIDERED WASTE MATERIAL AND SHALL BE TAKEN TO A WASTE SITE APPROVED BY THE ENGINEER.
- PATH SHALL HAVE A CROSS SLOPE OF 2% DRAINING AWAY FROM EGAN DRIVE EXCEPT AT INSIDE OF LEFT TURNING CURVES UNLESS OTHERWISE DIRECTED. A 50' TRANSITION LENGTH SHALL BE USED WHEN REVERSING CROSS SLOPE. ROTATION SHALL BE ABOUT CENTERLINE.
- CULVERT LOCATIONS AND SIGNING AS SHOWN ON THE PLANS ARE SUBJECT TO MINOR REVISIONS.
- REMOVE ALL OVERHANGING BRANCHES TO TEN FEET ABOVE THE FINISHED SURFACE.

ASPHALT CURB STA. TO STA.	SPILLWAYS LOCATION	REMARKS
20+47 TO 20+58 RT	20+62 RT. SH.	ASPHALT SPILLWAY
20+65 TO 21+42 RT	21+47 RT. SH.	CONCRETE SPILLWAY
21+51 TO 22+16 RT	22+19 RT. SH.	CONCRETE SPILLWAY
22+22 TO 23+49 RT	23+52 RT. SH.	ASPHALT SPILLWAY
23+55 TO 25+79 RT		

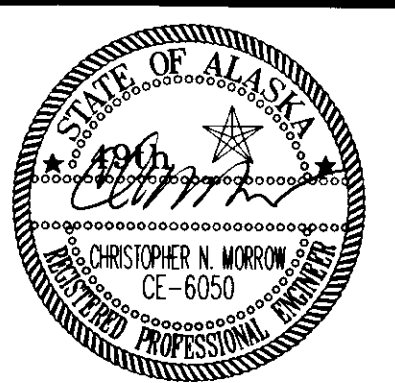
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

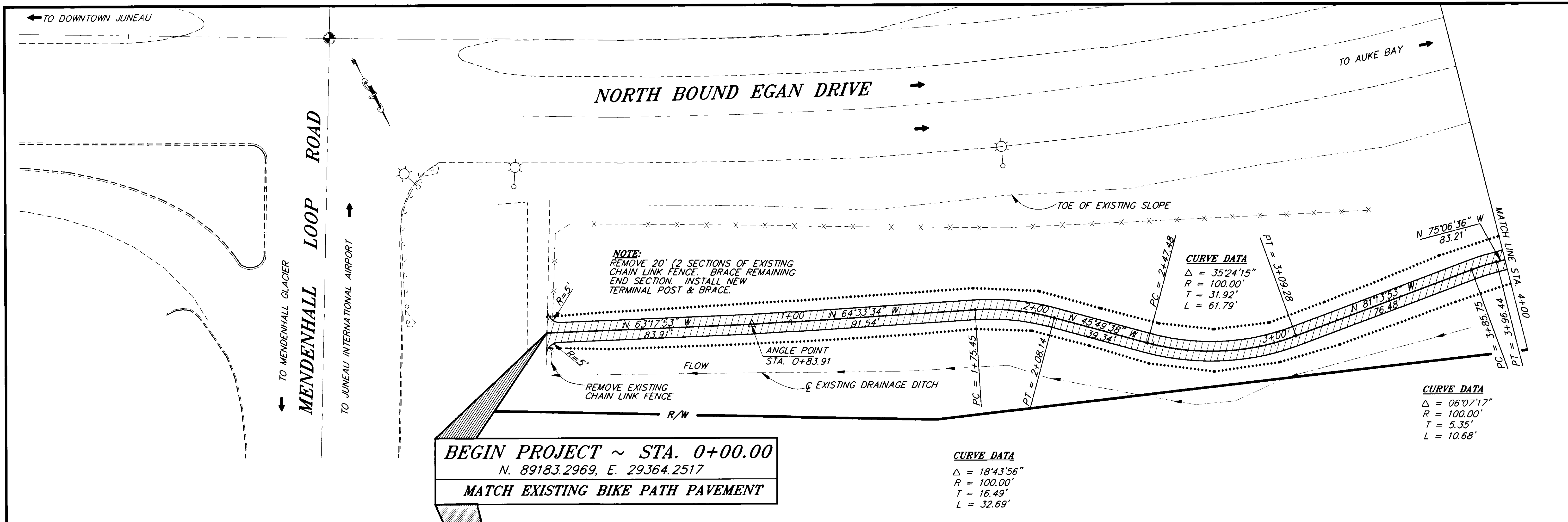
DATE	DESCRIPTION OF CHANGE

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

JUNEAU ALASKA
 GLACIER HIGHWAY
 RIVERSIDE DRIVE BIKE/PEDESTRIAN ACCESS IMPROVEMENTS
 PROJECT NO.~FED. NO. TE-093-3(10)-71628
ESTIMATE OF QUANTITIES/MISC. SUMMARIES

DESIGNED BY: P. JONES	PROJECT NO. 71628
DRAWN BY: K. KLEMMETSON/CSA	DATE: 1995
CHECKED BY: C. MORROW	SHEET 3 OF 12





BASIS OF CONTROL

HORIZONTAL CONTROL

THE CONTROL FOR THIS PROJECT WAS DERIVED FROM TWO EGAN HIGHWAY CENTERLINE MONUMENTS AT STATION 405+17.69 ST. BK. = 405+36.40 P.O.T. AHD. AND 408+56.64 P.O.T., INTERSECTION OF EGAN/RIVERSIDE DRIVE WITH AN ACCEPTED BEARING OF S. 79° 22' 58" W., 320.73'.

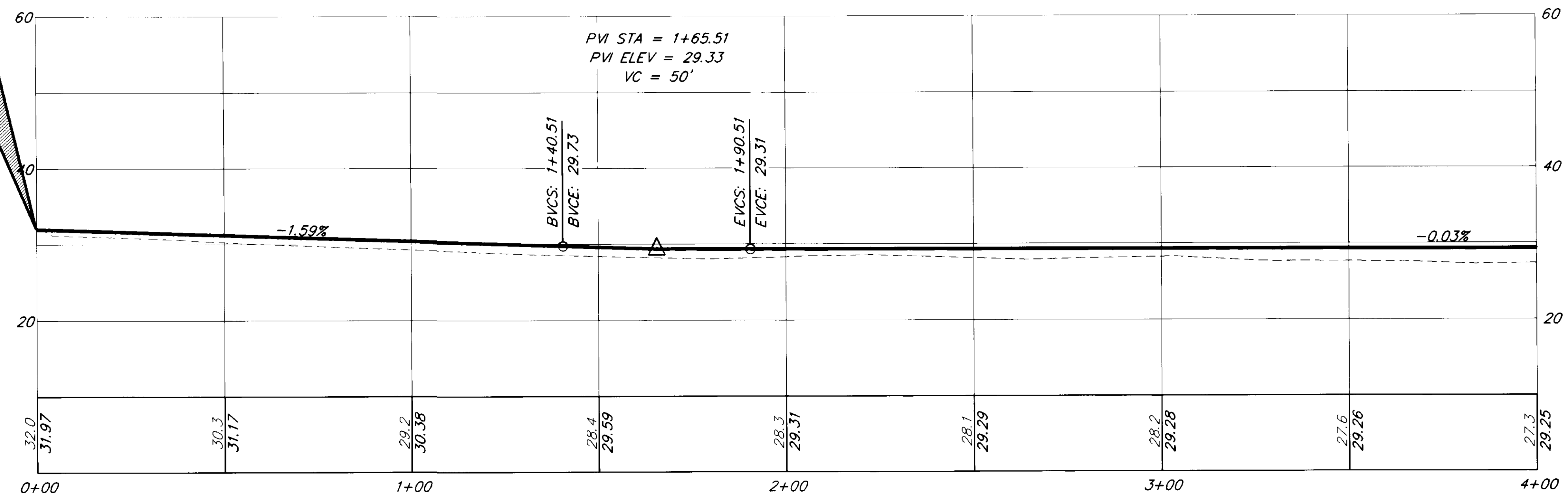
THE COORDINATES OF THE CENTERLINE MONUMENT AT STATION 405+17.69 ST. BK = 405+36.40 P.O.T. AHD. ARE N.89224.933, E.28295.643. COORDINATES ARE IN U.S. FEET.

VERTICAL CONTROL

THE PROJECT BASIS OF CONTROL IS CENTERLINE MONUMENT AT STATION 405+17.69 ST. BK. = 405+36.40 P.O.T. AHD. WITH A PROJECT ELEVATION OF 29.665' ABOVE MLLW.

LEGEND

	NEW BIKE/PED. CONSTRUCTION
	EXISTING BIKE PATH TO REMAIN (N.I.C.)
	EXISTING BIKE PATH TO BE REMOVED THIS CONTRACT
	NEW PIPE INSTALLATION & EXTENSION OR REMOVAL
	NEW SIGN LOCATION
	TEMPORARY CHECK DAM
	TREES
	EXISTING BERM



NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

PATH:	DATE:	DESCRIPTION OF CHANGE:
P:\JNU\71628\DR\1-20 (1=40 HALF)		
BY:		

RECORD OF REVISIONS

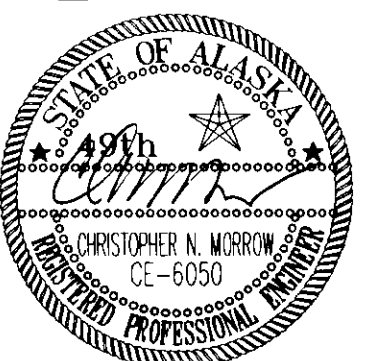
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

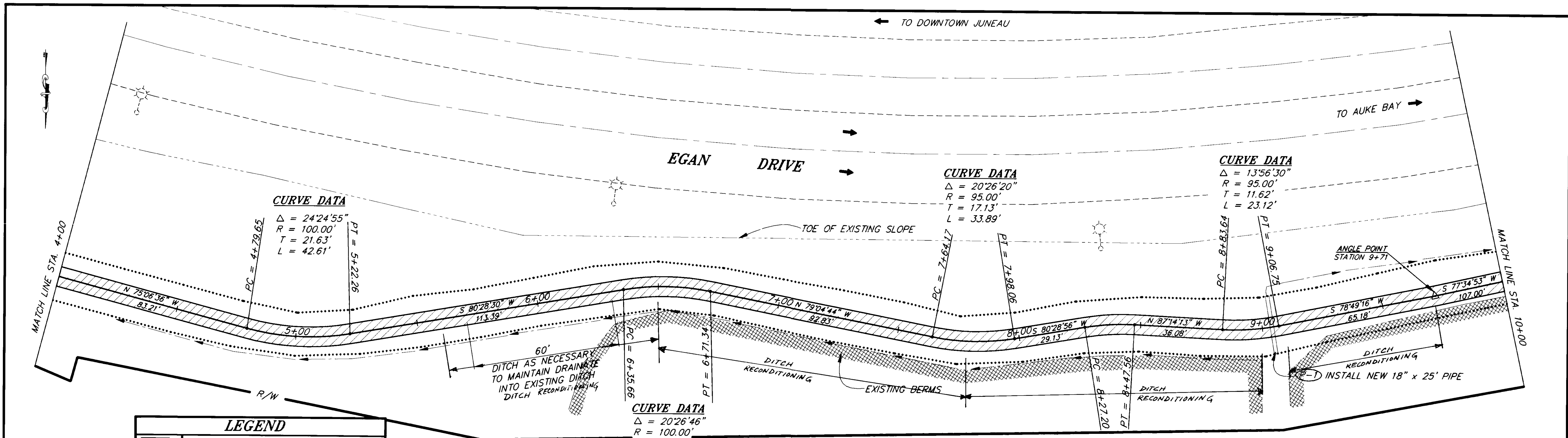
JUNEAU

RIVERSIDE DRIVE BIKE/PEDESTRIAN ACCESS
 IMPROVEMENTS
 TE-093-3(10) ~ PROJECT NO. 71628
B.O.P. STA. 0+00 TO STA. 4+00
 PLAN & PROFILE

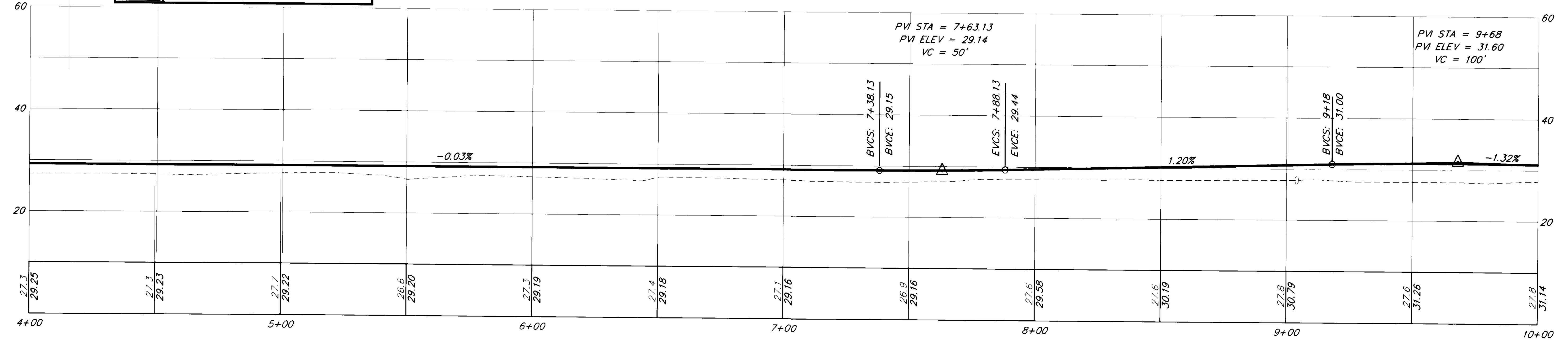
ALASKA

DESIGNED BY: P. JONES	PROJECT NO. 71628
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C. MORROW	SHEET 4 OF 12





LEGEND	
	NEW BIKE/PED. CONSTRUCTION
	EXISTING BIKE PATH TO REMAIN (N.I.C.)
	EXISTING BIKE PATH TO BE REMOVED THIS CONTRACT
	NEW PIPE INSTALLATION & EXTENSION OR REMOVAL
	NEW SIGN LOCATION
	TEMPORARY CHECK DAM
	TREES
	EXISTING BERM

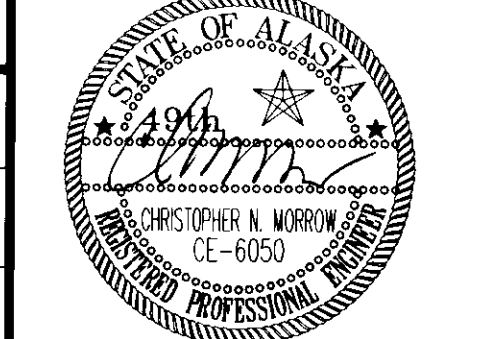


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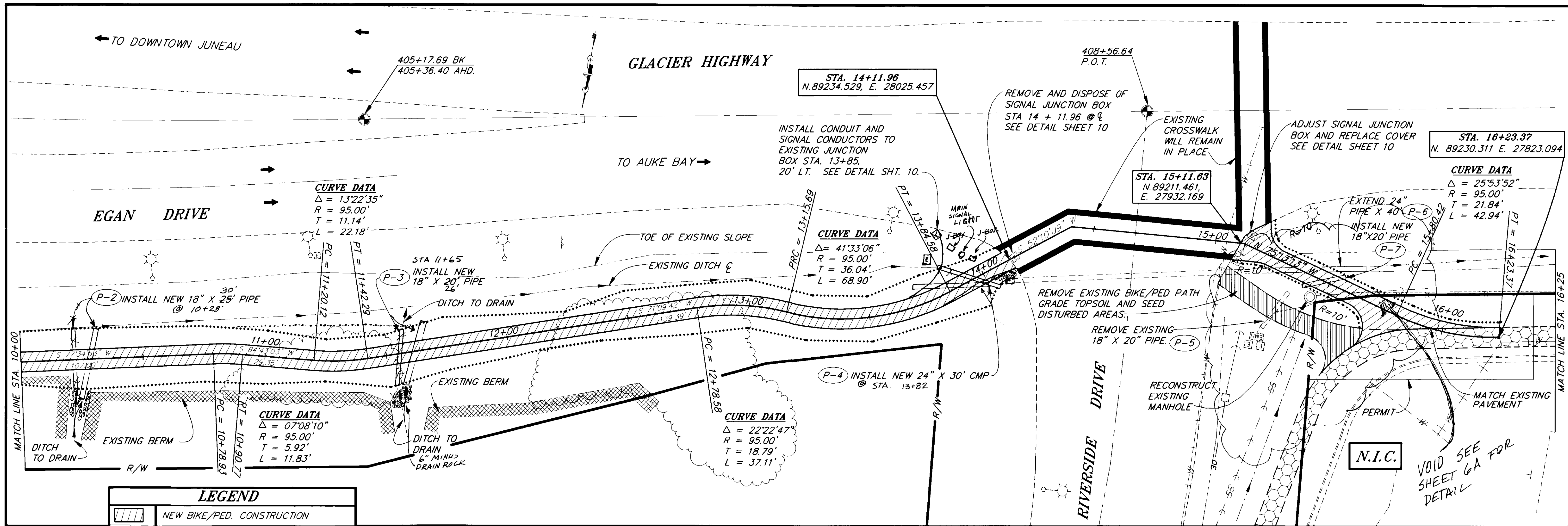
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU ALASKA
 RIVERSIDE DRIVE BIKE/PEDESTRIAN ACCESS
 IMPROVEMENTS
 TE-093-3(10) ~ PROJECT NO. 71628
 STA. 4+00 TO STA. 10+00
 PLAN & PROFILE

DESIGNED BY: P. JONES	PROJECT NO. 71628
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C. MORROW	SHEET 5 OF 12

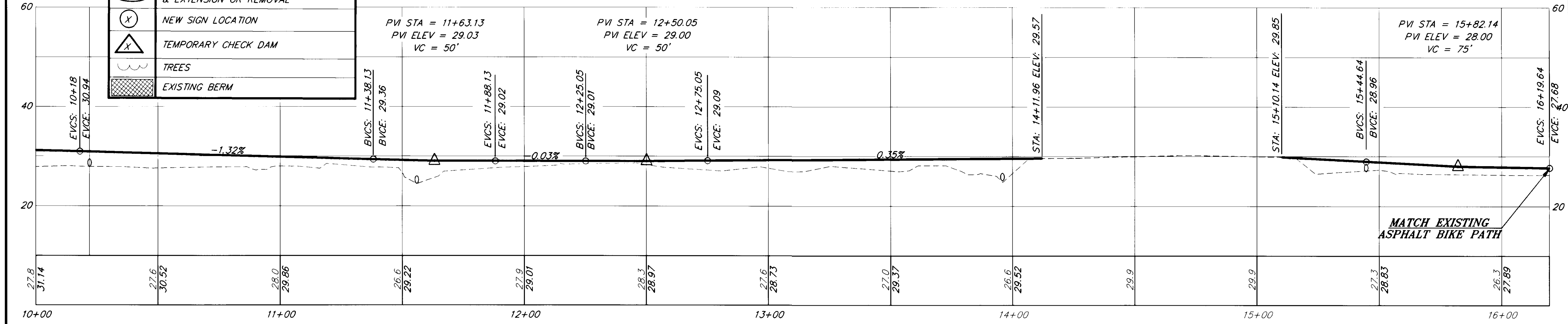


NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



LEGEND

	NEW BIKE/PEDESTAL CONSTRUCTION
	EXISTING BIKE PATH TO REMAIN (N.I.C.)
	EXISTING BIKE PATH TO BE REMOVED THIS CONTRACT
	NEW PIPE INSTALLATION & EXTENSION OR REMOVAL
	NEW SIGN LOCATION
	TEMPORARY CHECK DAM
	TREES
	EXISTING BERM



NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

PATH: P:\JNU\71628\DR\ -P1000 PLOT.PCP(20) OR PLOT.PCP(40)

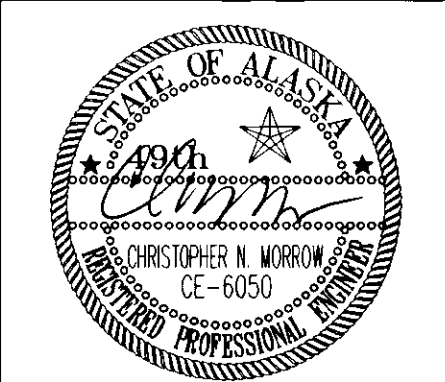
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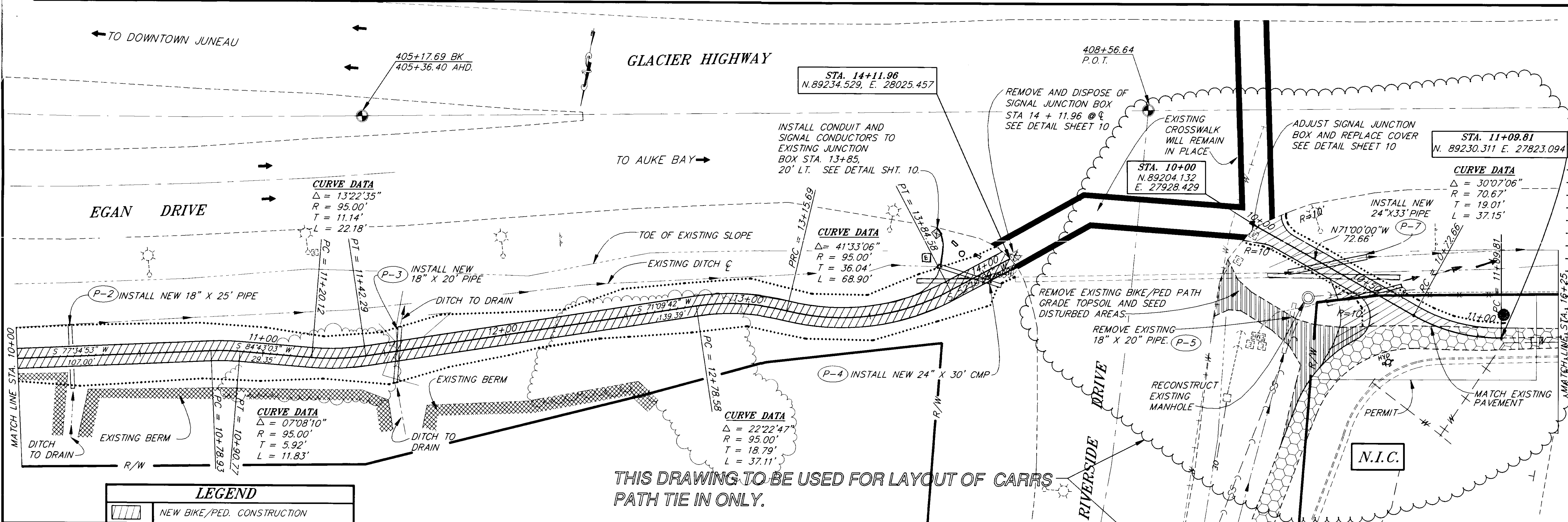
RECORD OF REVISIONS

STATE OF ALASKA
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AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU ALASKA
RIVERSIDE DRIVE BIKE/PEDESTAL ACCESS
IMPROVEMENTS
TE-093-3(10) ~ PROJECT NO. 71628
STA. 10+00 TO STA. 16+23.37
PLAN & PROFILE

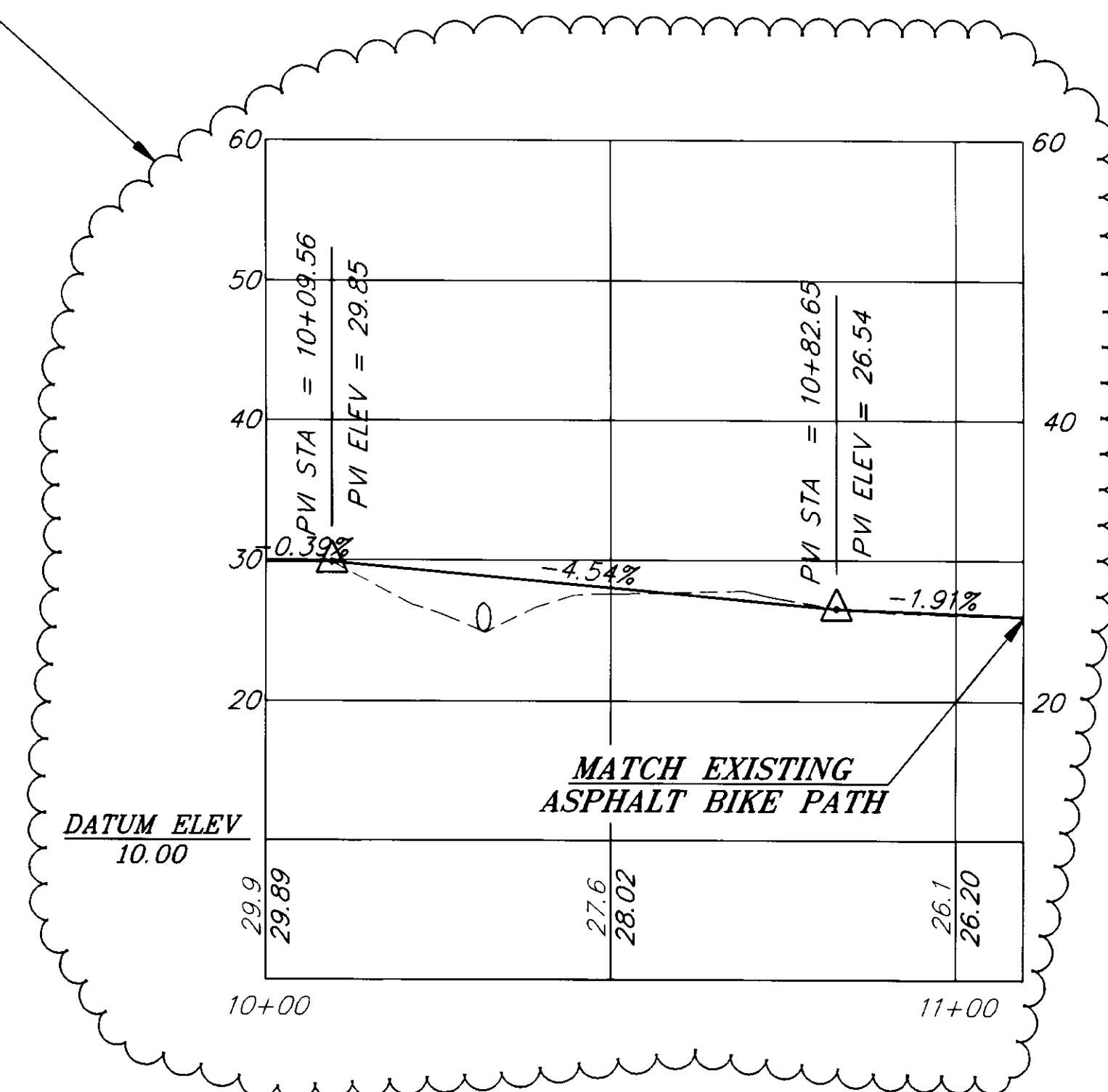
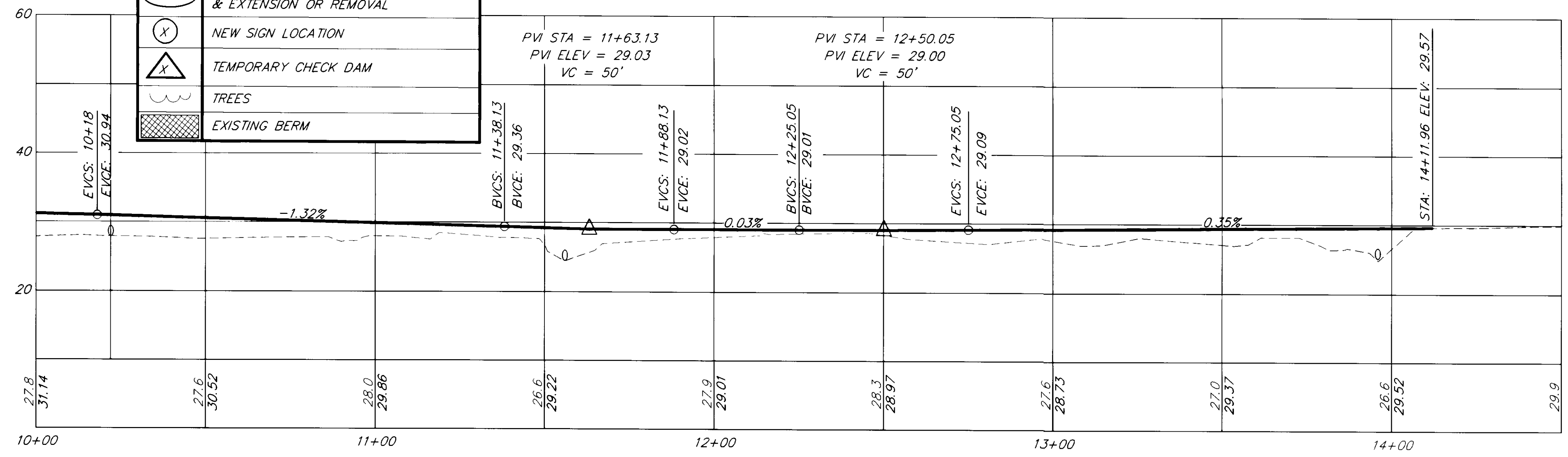
DESIGNED BY: P. JONES	PROJECT NO. 71628
DRAWN BY: K. SNYDER	DATE: 1995
CHECKED BY: C. MORROW	SHEET 6 OF 12





THIS DRAWING TO BE USED FOR LAYOUT OF CARRS
PATH TIE IN ONLY.

LEGEND	
	NEW BIKE/PED. CONSTRUCTION
	EXISTING BIKE PATH TO REMAIN (N.I.C.)
	EXISTING BIKE PATH TO BE REMOVED THIS CONTRACT
	NEW PIPE INSTALLATION & EXTENSION OR REMOVAL
	NEW SIGN LOCATION
	TEMPORARY CHECK DAM
	TREES
	EXISTING BERM



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

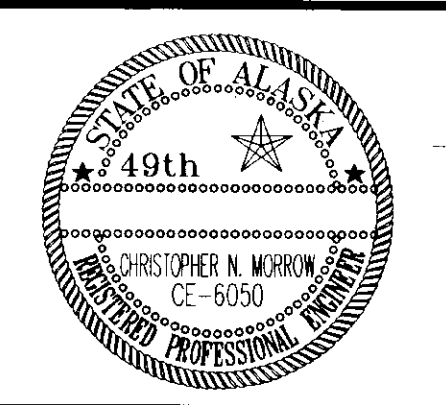
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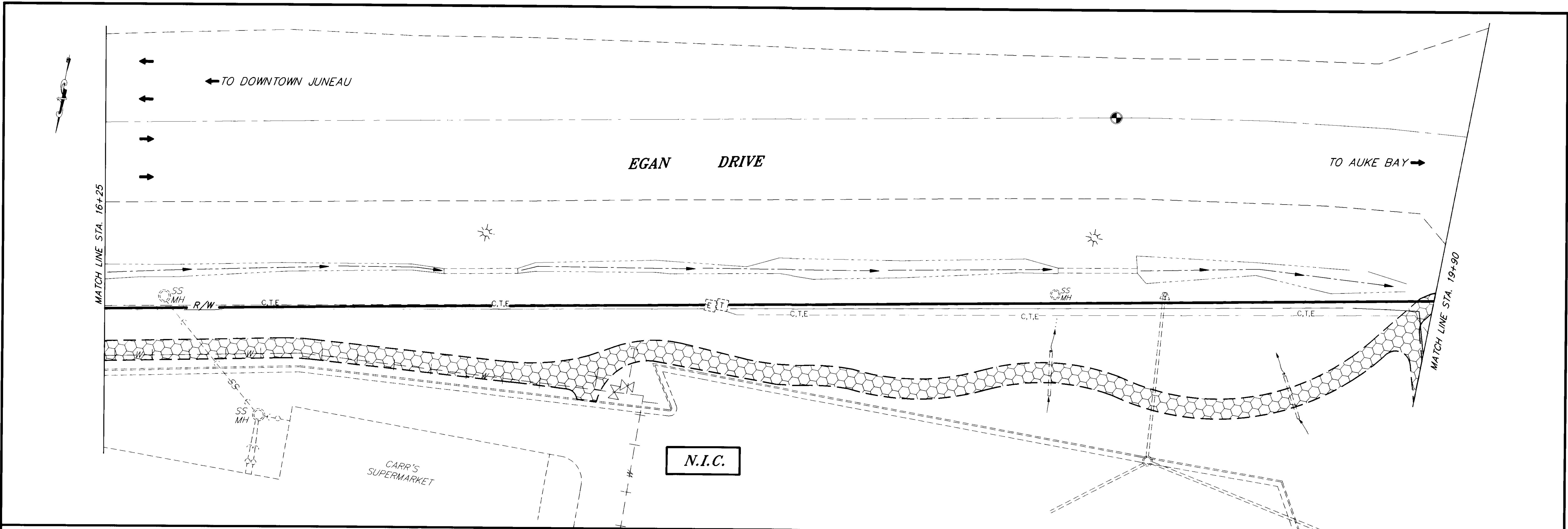
RECORD OF REVISIONS

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

JUNEAU
RIVERSIDE DRIVE BIKE/PEDESTRIAN ACCESS
IMPROVEMENTS
TE-093-3(10) ~ PROJECT NO. 71628
STA. 10+00 TO STA. 16+23.37
PLAN & PROFILE

DESIGNED BY: P. JONES	PROJECT NO. 71628
DRAWN BY: K. SNYDER	DATE: JUNE 1996
CHECKED BY: C. MORROW	SHEET 6a OF 12





LEGEND	
	NEW BIKE/PED. CONSTRUCTION
	EXISTING BIKE PATH TO REMAIN (N.I.C.)
	EXISTING BIKE PATH TO BE REMOVED THIS CONTRACT
	NEW PIPE INSTALLATION & EXTENSION OR REMOVAL
	NEW SIGN LOCATION
	TEMPORARY CHECK DAM
	TREES
	EXISTING BERM

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

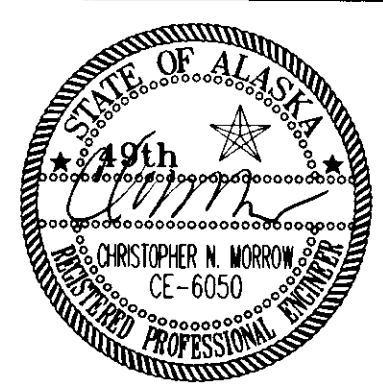
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BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

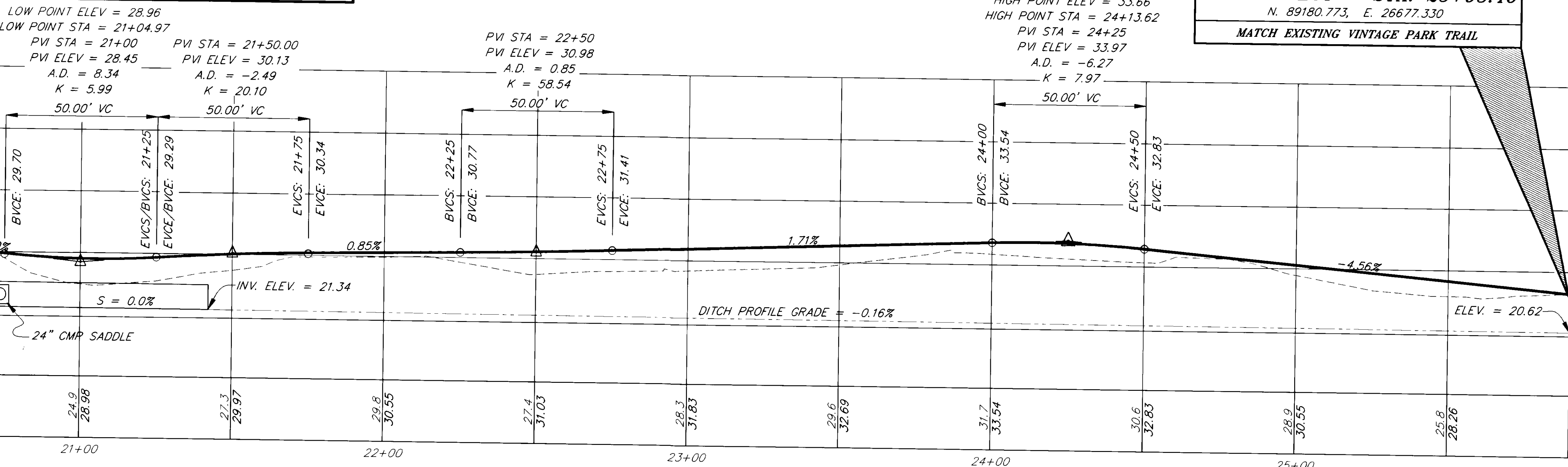
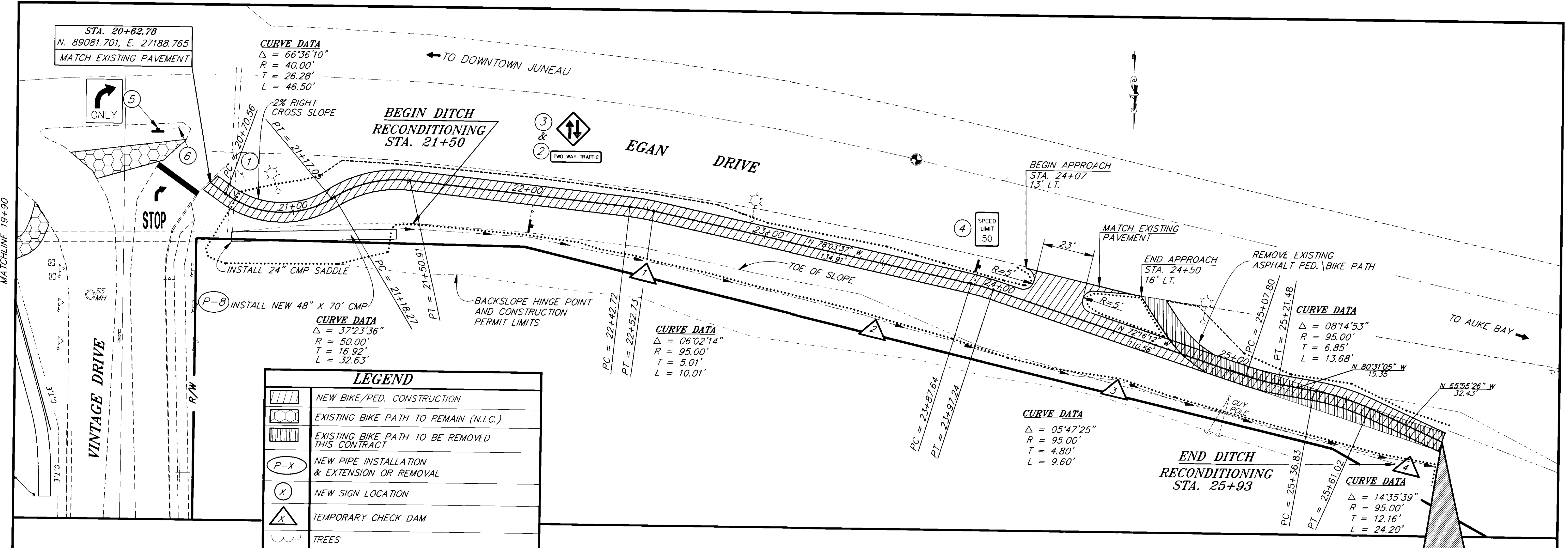
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU RIVERSIDE DRIVE BIKE/PEDESTRIAN ACCESS IMPROVEMENTS ALASKA
TE-093-3(10) ~ PROJECT NO. 71628
CARR'S EXISTING BIKE\ PED ACCESS
PLAN

DESIGNED BY: P. CARROLL
DRAWN BY: K. SNYDER
CHECKED BY: C. MORROW

PROJECT NO. 71628
DATE: 1995
SHEET 7 OF 12





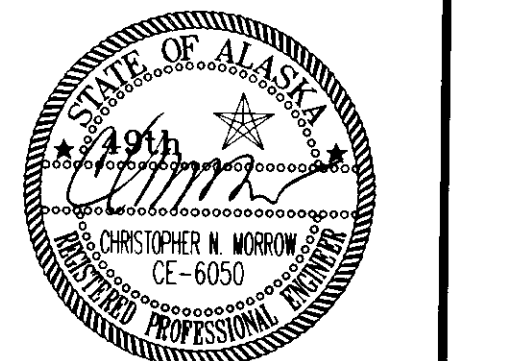
LEGEND	
	NEW BIKE/PED. CONSTRUCTION
	EXISTING BIKE PATH TO REMAIN (N.I.C.)
	EXISTING BIKE PATH TO BE REMOVED THIS CONTRACT
	NEW PIPE INSTALLATION & EXTENSION OR REMOVAL
	NEW SIGN LOCATION
	TEMPORARY CHECK DAM
	TREES
	EXISTING BERM

RECORD OF REVISIONS		
DATE:	DESCRIPTION OF CHANGE:	
4/23/96	REVISED ALIGNMENT AND DITCH RECONDITIONING	

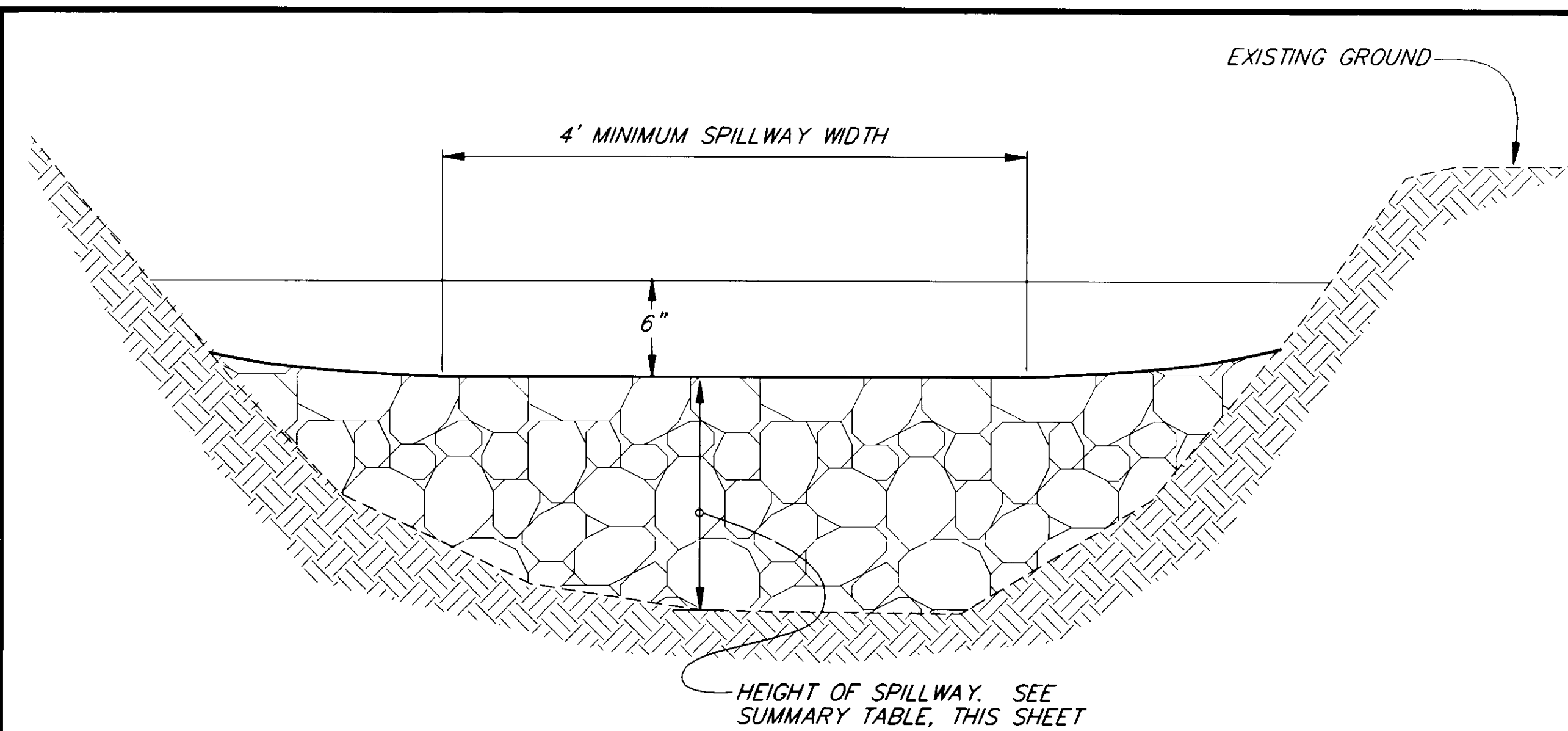
STATE OF ALASKA
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 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU
 RIVERSIDE DRIVE BIKE/PEDESTRIAN ACCESS IMPROVEMENTS
 TE-093-3(10) ~ PROJECT NO. 71628
 STA. 20+00 TO E.O.P. STA. 25+93
 PLAN & PROFILE

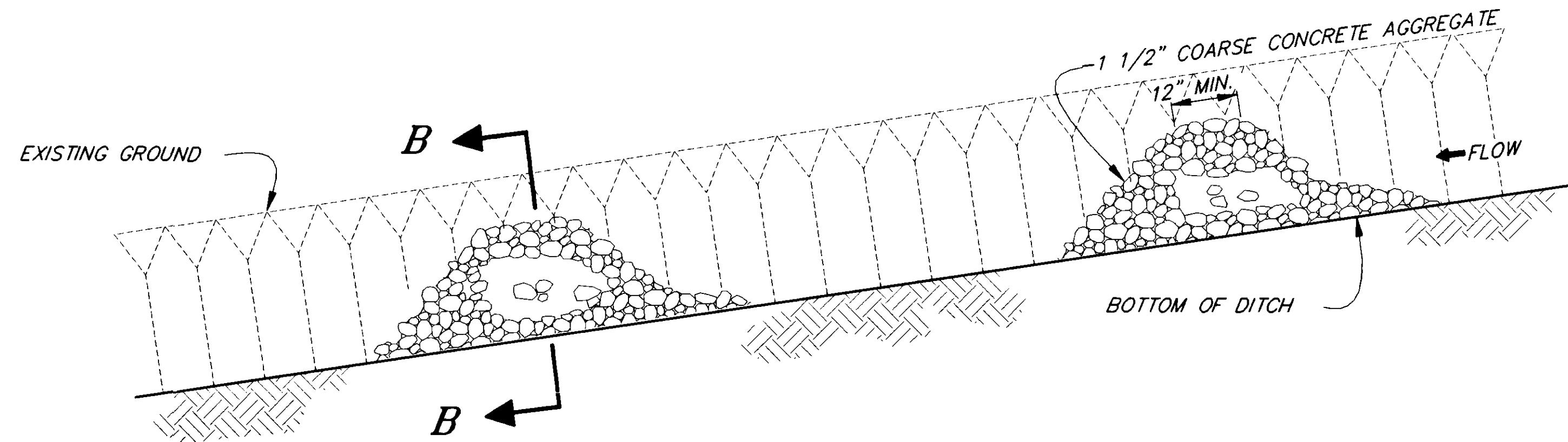
DESIGNED BY:	P. JONES	PROJECT NO.	71628
DRAWN BY:	K. SNYDER	DATE:	1995
CHECKED BY:	C. MORROW	SHEET 8 OF 12	



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS



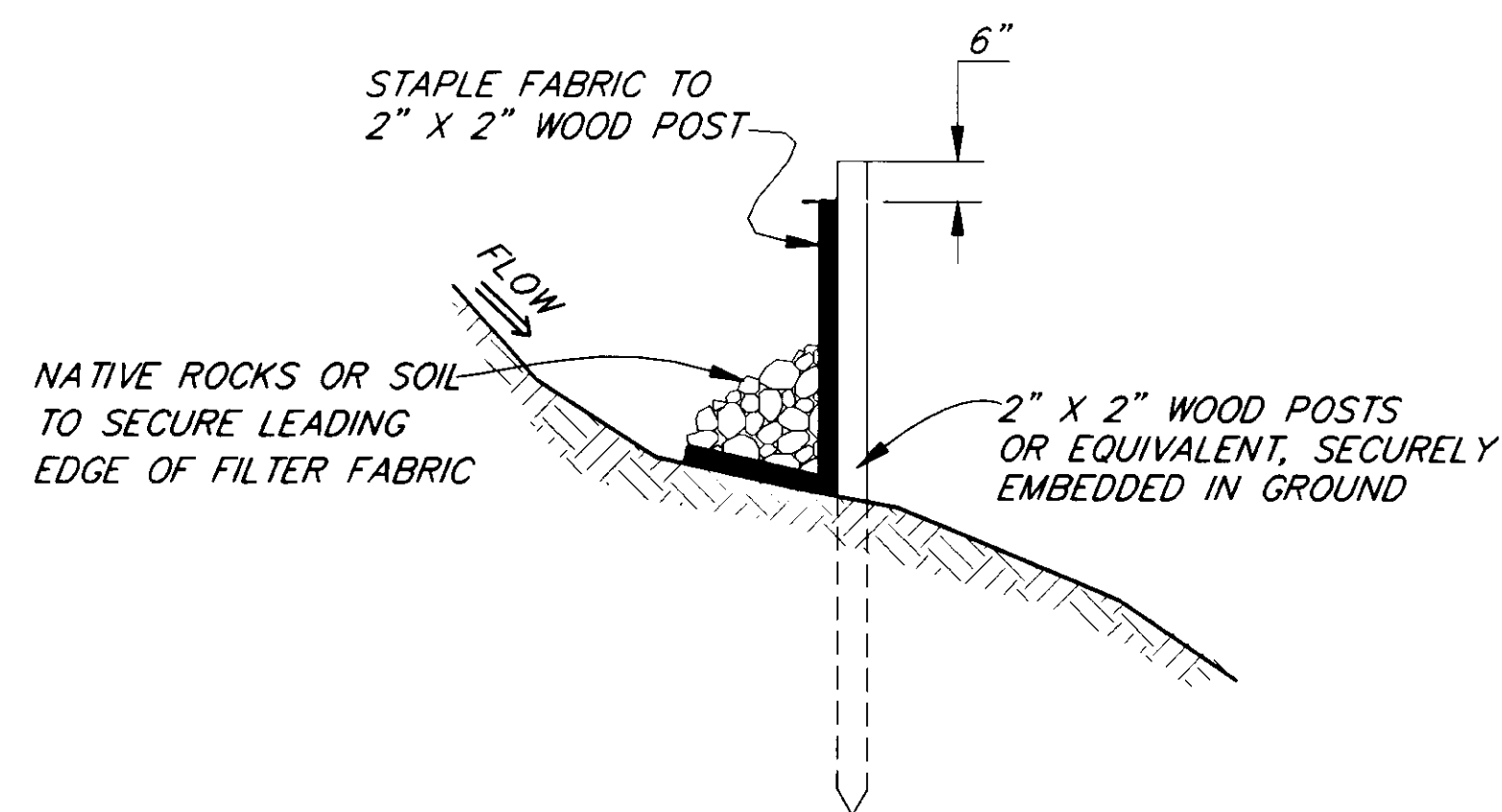
SECTION B-B



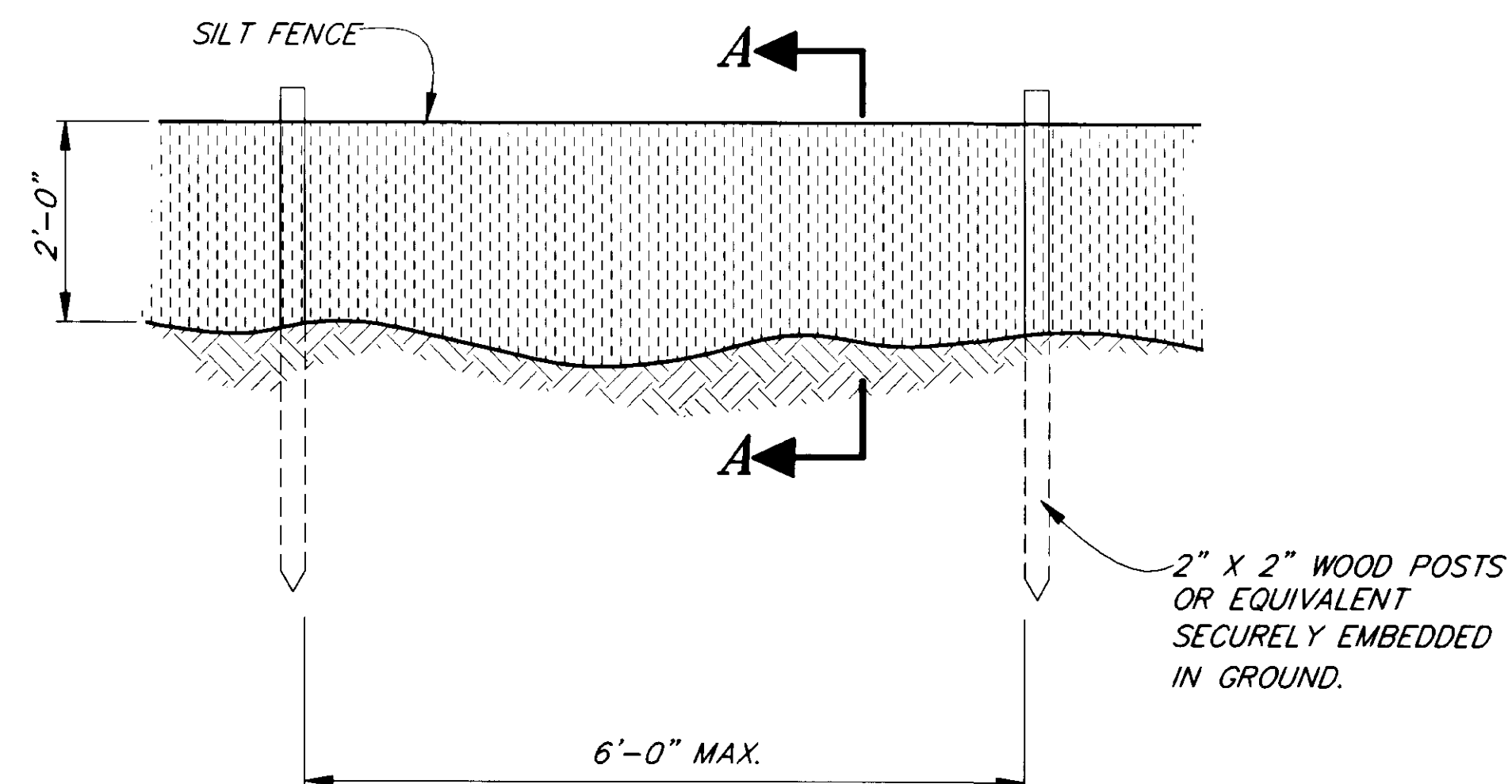
CROSS SECTION

TEMPORARY CHECK DAM DETAILS

TEMPORARY CHECK DAM SUMMARY			
Δ #	STATION	OFFSET	REMARKS
1	22+50	RT.	1'-6" HEIGHT
2	23+50	RT.	1'-6" HEIGHT
3	24+50	RT.	1'-6" HEIGHT
4	25+50	RT.	1'-6" HEIGHT
		TOTAL	4



SECTION A-A



ELEVATION

SILT FENCE DETAILS

SILT FENCE SUMMARY		
STATION TO STATION	OFFSET	LENGTH
0+00 TO 3+00	RT	300
9+00 TO 14+12	LT	512
	TOTAL	812

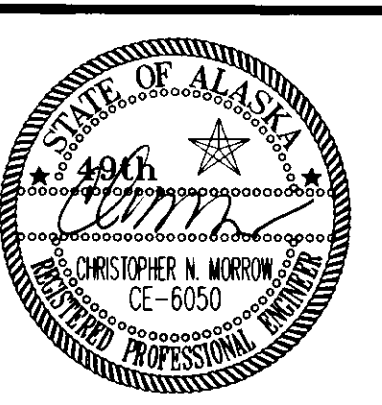
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\JNU\71628\DR\ENVIR < PLOT1.PCP(1) OR PLOT2.PCP(2) >		
BY:	DATE:	DESCRIPTION OF CHANGE:

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

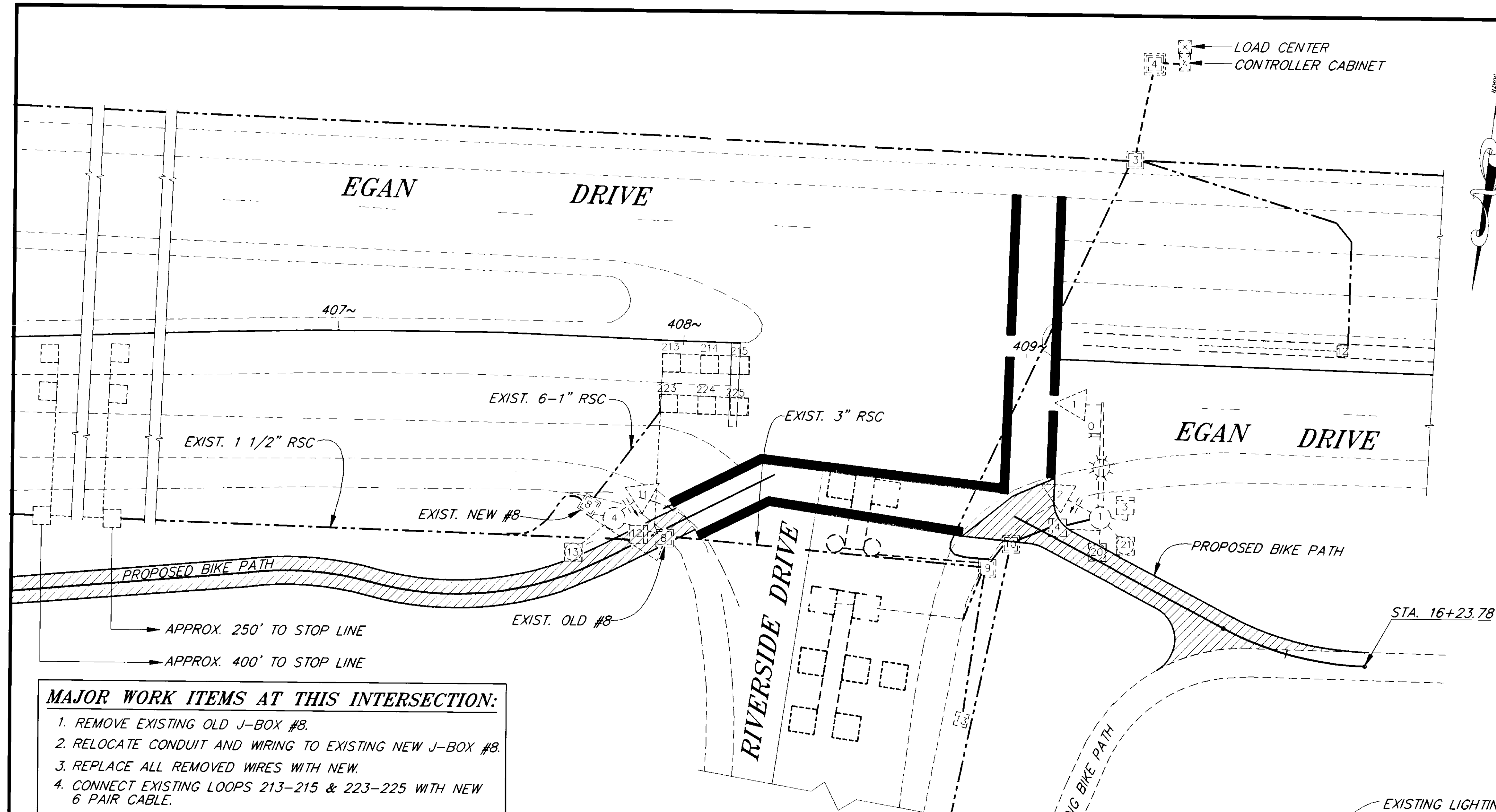
JUNEAU ALASKA
 GLACIER HIGHWAY
 RIVERSIDE DRIVE BIKE/PEDESTRIAN ACCESS IMPROVEMENTS
 PROJECT NO. TE-093-3(10)-71628
ENVIRONMENTAL DETAILS

DESIGNED BY: P. JONES	PROJECT NO. 71628
DRAWN BY: K. KLEMMETSON/T. LOCKHART	DATE: 1995
CHECKED BY: C. MORROW	SHEET 9 OF 12



GENERAL NOTES

1. THE TRAFFIC SIGNAL SHALL BE KEPT IN OPERATION AT ALL TIMES EXCEPT FOR SHORT (1 MINUTE) SHUTDOWNS TO CONNECT/DISCONNECT FIELD WIRES. SHORT SHUTDOWNS SHALL ONLY BE DONE DURING TIMES OF LOW TRAFFIC VOLUMES, 8:00 PM TO 7:00 AM.
2. THE ENGINEER SHALL BE NOTIFIED 24 HOURS PRIOR TO DISCONNECTING THE EGAN DRIVE OUTBOUND (WESTBOUND) ADVANCE LOOP DETECTORS. SIGNAL TIMING CHANGES WILL BE MADE BY THE STATE PERSONNEL TO ENABLE PROPER SIGNAL OPERATION WHILE LOOPS ARE DISCONNECTED.
3. SIGNAL INDICATIONS SHALL BE BAGGED OR COVERED WHILE THE SIGNAL AND PEDESTRIAN LIGHTS ARE DISCONNECTED ON POLE 4. WHILE THE PEDESTRIAN LIGHTS AND PUSH BUTTONS ARE DISCONNECTED A FLAG PERSON SHALL BE PRESENT TO CONTROL THE PEDESTRIAN CROSSING. THE SIGNAL SHALL BE OPERATED NORMALLY IN ALL OTHER ASPECTS DURING THIS TIME PERIOD.
4. ALL NEW WIRES AND CABLES SHALL BE INSTALLED THAT RUN THROUGH NEW EXISTING JUNCTION BOX #8. IN ADDITION, 1-6 PAIR #18, COLOR CODED CABLE SHALL BE INSTALLED AND CONNECTED TO THE EXISTING STOP LINE LOOPS 213-215 AND 223-225. THE CABLE SHALL BE CONNECTED IN THE SIGNAL CABINET AND THE LOOPS MADE OPERATIONAL. THE CABLE SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATION 660-2.08, CONDUCTORS, 3 DETECTOR LOOPS AND LEAD-IN CABLES. OTHER THAN THE CONNECTION BETWEEN LOOP WIRES AND LOOP LEAD-INS, NO SPLICES WILL BE ALLOWED.
5. THE CONDUIT EXITING THE FOUNDATION FOR SIGNAL POLE #4 FACES AWAY FROM EXISTING NEW J-BOX #8. THIS MAY BE REMEDIED BY RUNNING THE NEW CONDUIT AROUND THE POLE OR BY ROTATING THE POLES FOUNDATION (WHILE MAINTAINING PROPER ALIGNMENT OF SIGNAL INDICATIONS AND THE PEDESTRIAN BUTTON).



MAJOR WORK ITEMS AT THIS INTERSECTION:

1. REMOVE EXISTING OLD J-BOX #8.
2. RELOCATE CONDUIT AND WIRING TO EXISTING NEW J-BOX #8.
3. REPLACE ALL REMOVED WIRES WITH NEW.
4. CONNECT EXISTING LOOPS 213-215 & 223-225 WITH NEW 6 PAIR CABLE.

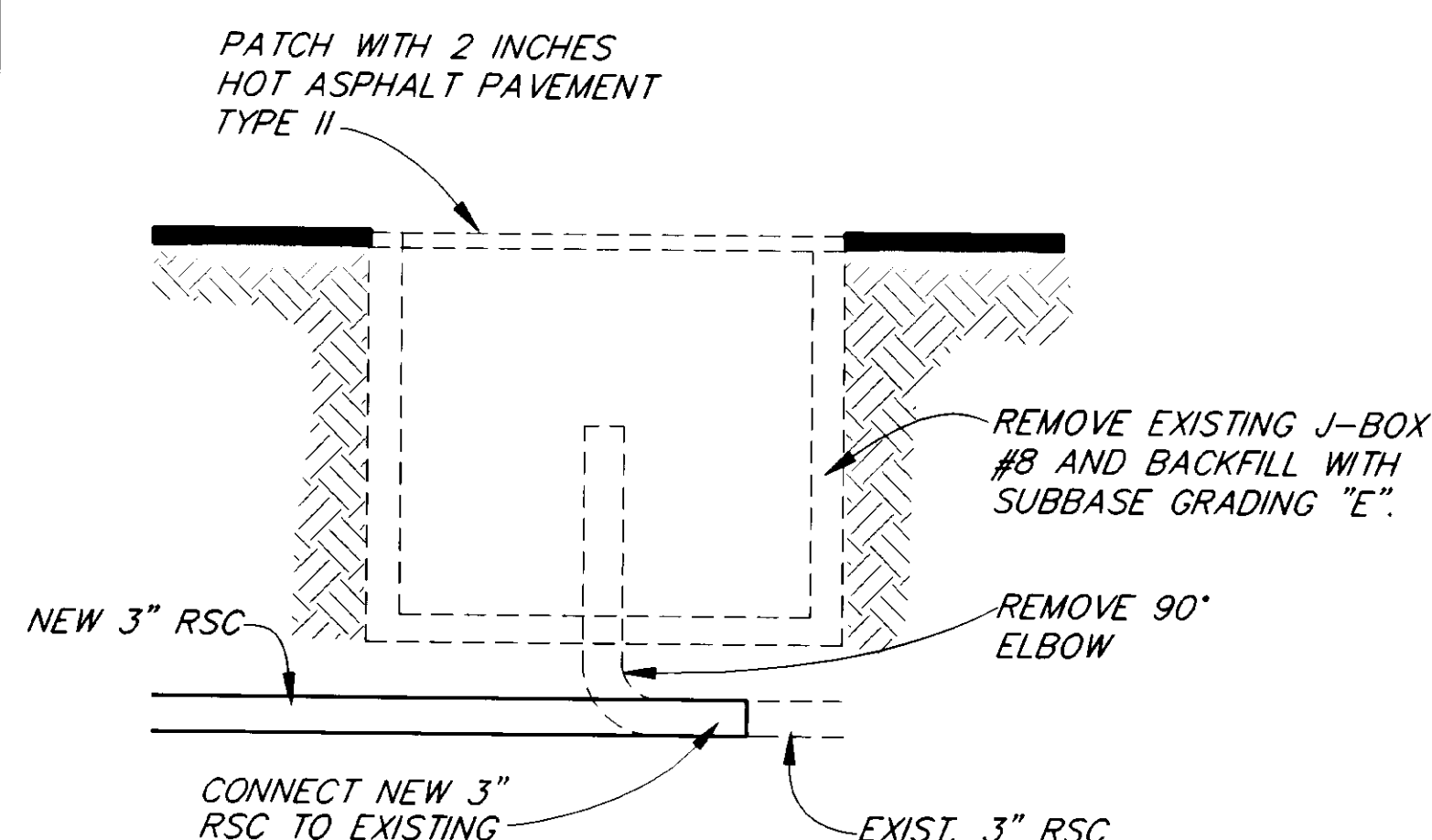
PLAN VIEW

RIVERSIDE DRIVE AND EGAN DRIVE INTERSECTIONS

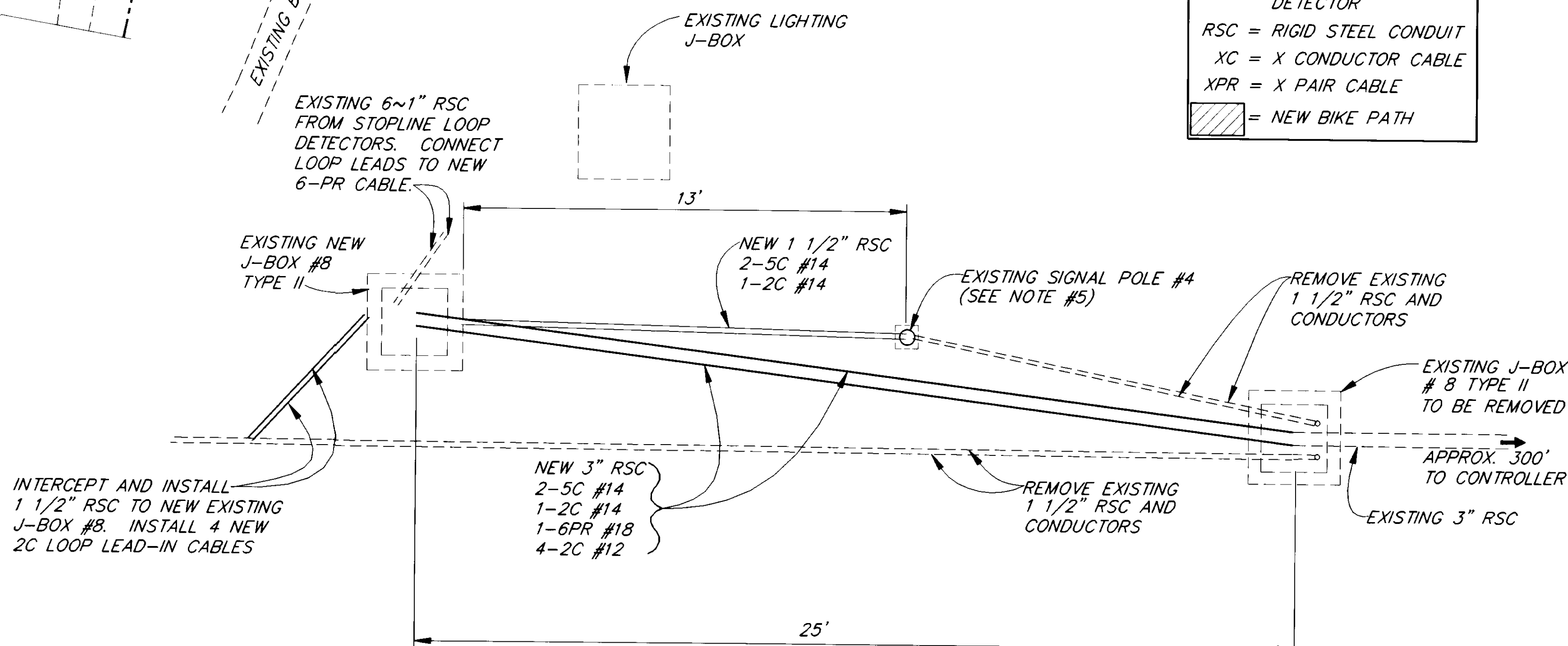
LEGEND

(DASHED LINE = EXISTING)

- = TYPE I J-BOX
- = TYPE II J-BOX
- = TYPE III J-BOX
- = LOOP DETECTOR
- = BICYCLE LOOP DETECTOR
- RSC = RIGID STEEL CONDUIT
- XC = X CONDUCTOR CABLE
- XPR = X PAIR CABLE
- = NEW BIKE PATH



J-BOX REMOVAL DETAIL



J-BOX INSTALLATION DETAIL

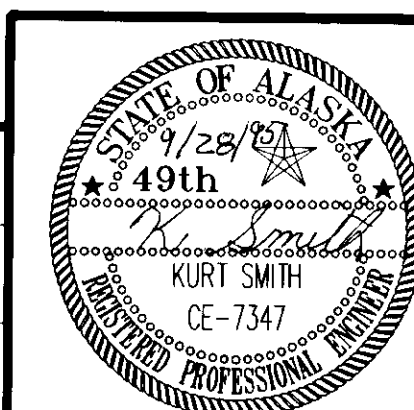
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: P:\JNU\71628\DR\SIGNAL 1=1		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

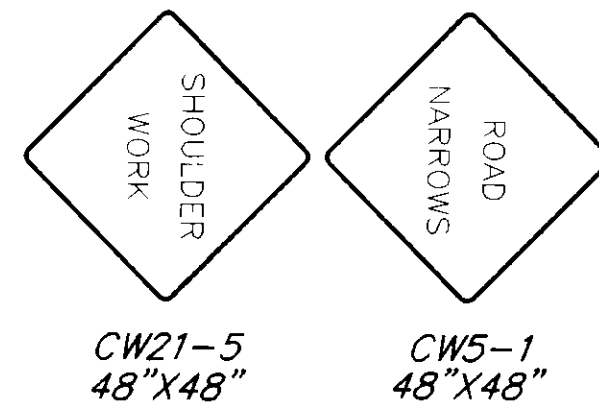
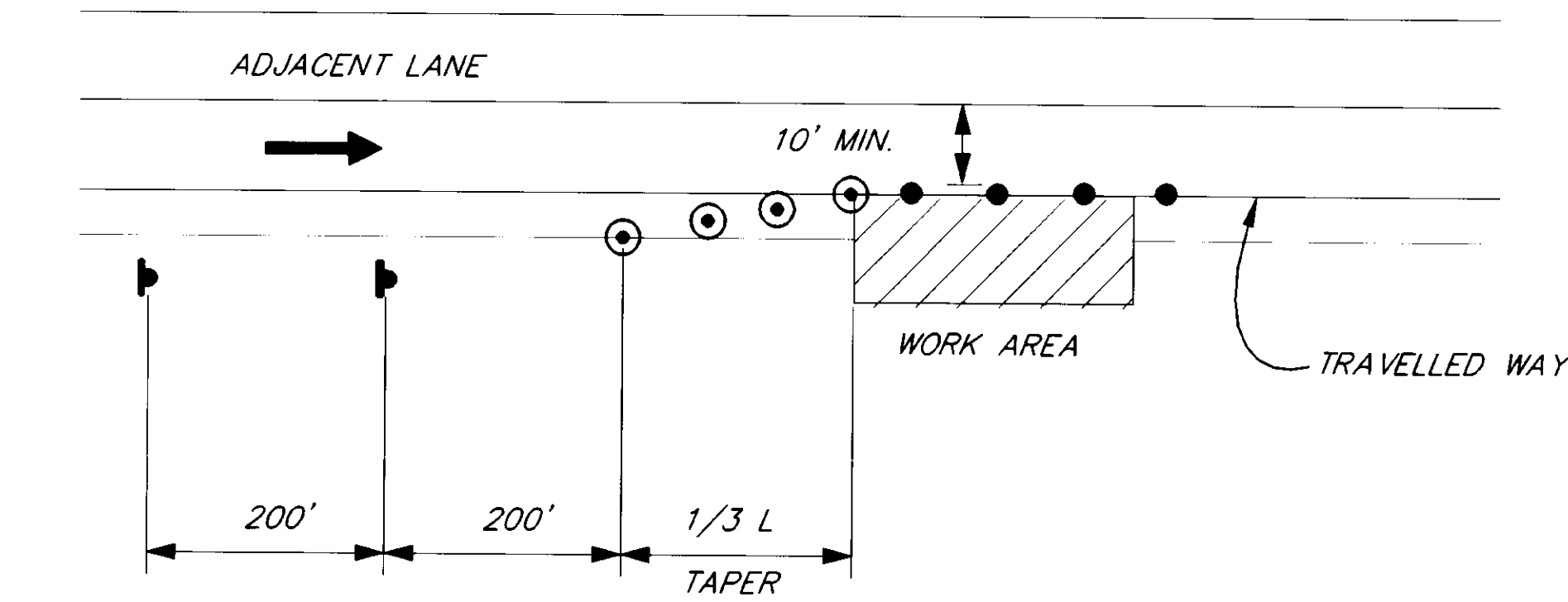
JUNEAU ALASKA
GLACIER HIGHWAY
RIVERSIDE DRIVE BIKE/PEDESTRIAN ACCESS IMPROVEMENTS
PROJECT NO. TE-093-3(10)-71628
TRAFFIC SIGNAL SYSTEM RELOCATION DETAILS

DESIGNED BY:	J. AHLGREN	PROJECT NO.	71628
DRAWN BY:	B. ADAMS/CSA	DATE:	1995
CHECKED BY:	K. SMITH	SHEET	10 OF 12

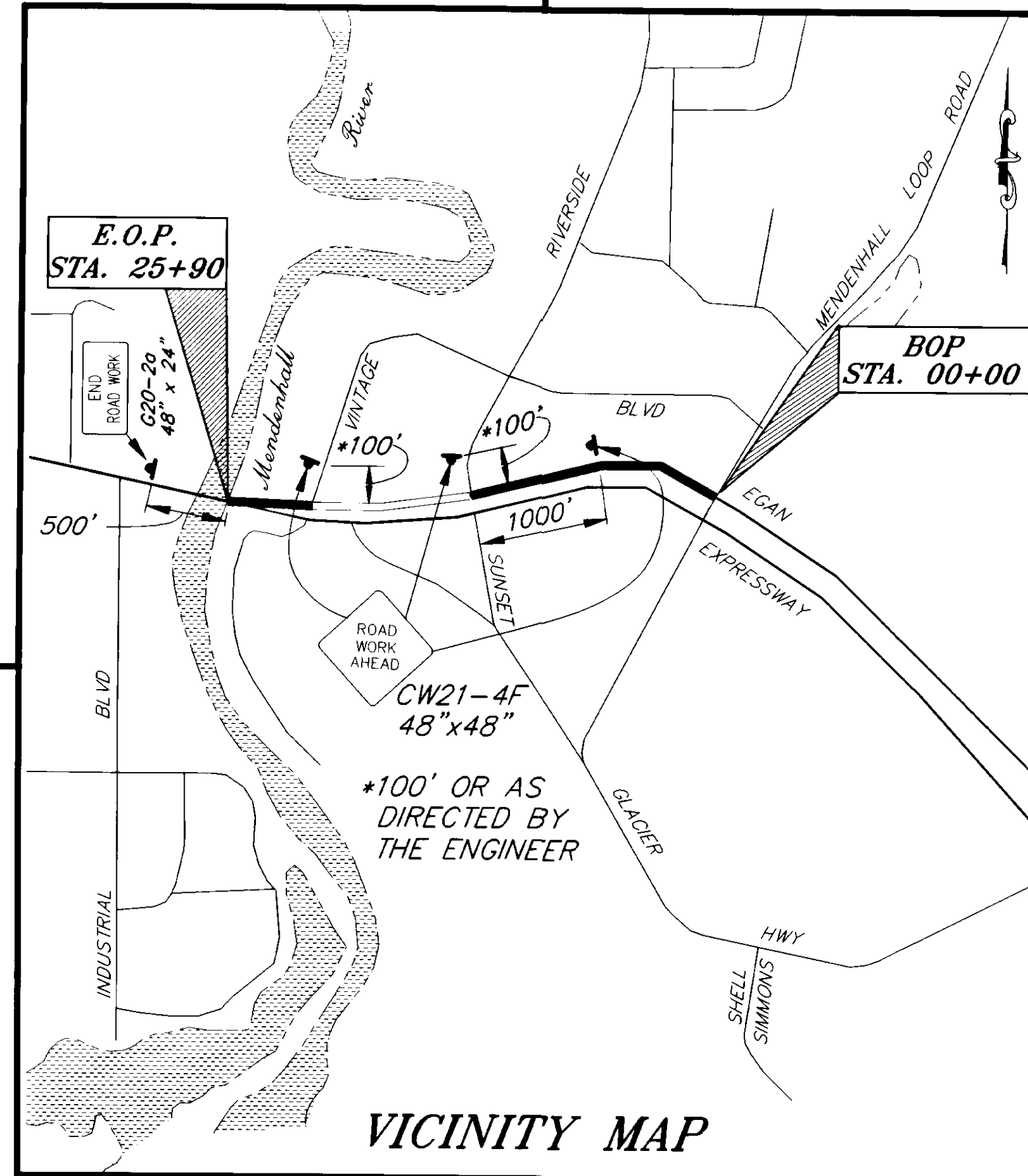


TRAFFIC CONTROL NOTES

1. ALTHOUGH LANE WIDTH MAY BE RESTRICTED, NO ROADWAY LANES MAY BE CLOSED ON THIS PROJECT.
2. LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
3. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED.
4. CHANNELIZATION DEVICES IF USED AT NIGHT SHALL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.
5. 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.



SHOULDER WORK
(NO ENCROACHMENT ON TRAVELLED WAY)



VICINITY MAP

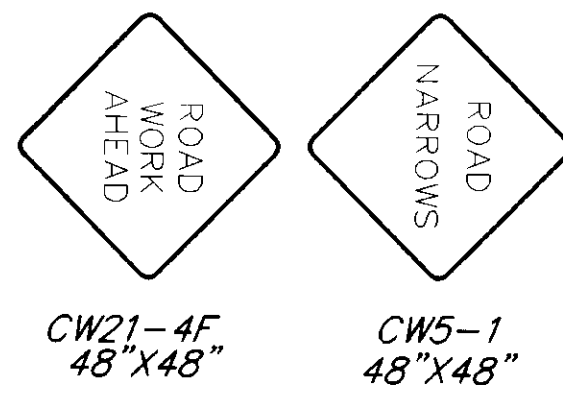
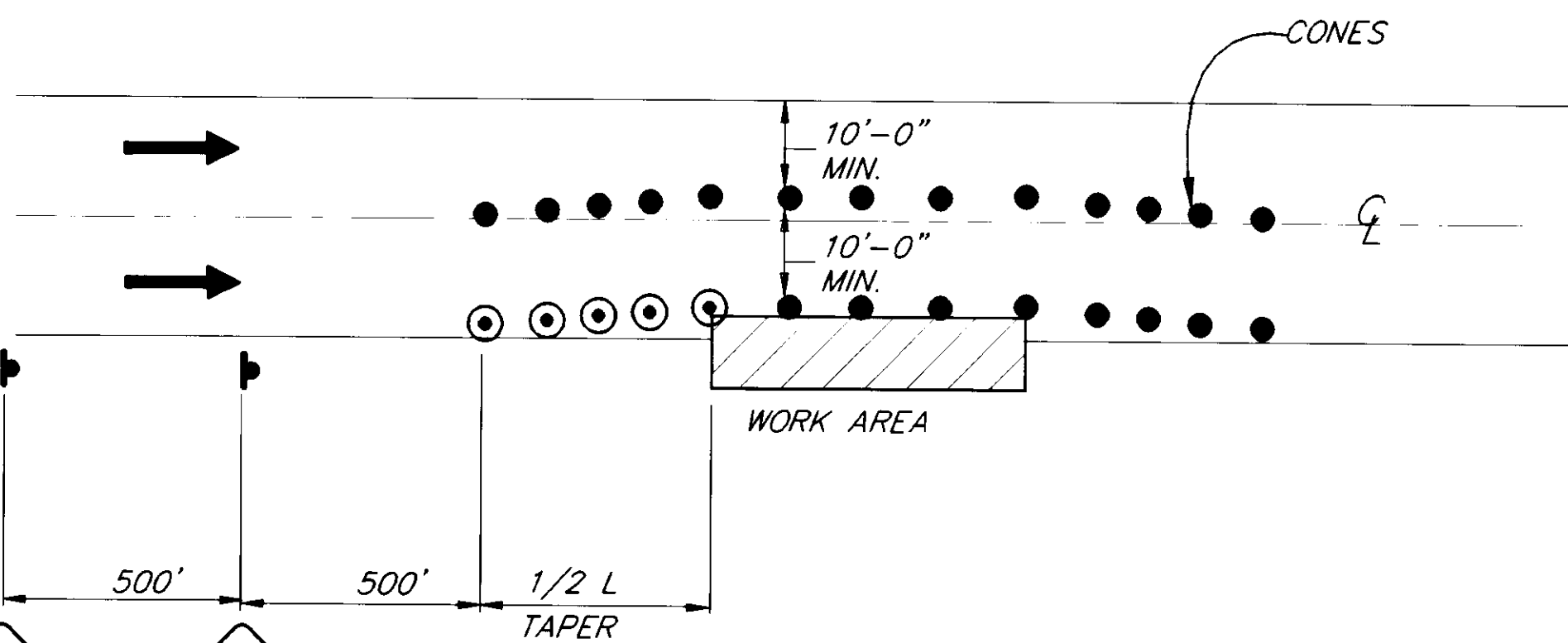
FORMULAS FOR L (TAPER)

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

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

WHERE W = WIDTH OF OFFSET
S = POSTED SPEED LIMIT
OR ANTICIPATED
OPERATING SPEED

DRUM OR CONE SPACING = S (IN FEET)



ROADWAY ENCROACHMENT

NOTE:

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

LEGEND

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

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

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

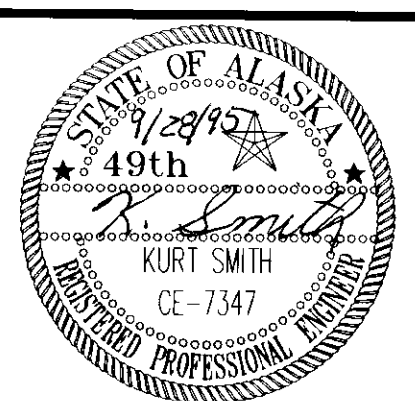
DATE	DESCRIPTION OF CHANGE

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

JUNEAU ALASKA
**GLACIER HIGHWAY
RIVERSIDE DRIVE BIKE/PEDESTRIAN ACCESS IMPROVEMENTS**
PROJECT NO. TE-093-3(10)-71628

TRAFFIC CONTROL PLAN

DESIGNED BY: K. MATTSON	PROJECT NO. 71628
DRAWN BY: K. MATTSON/CSA	DATE: 1995
CHECKED BY: C. MORROW	SHEET 11 OF 12

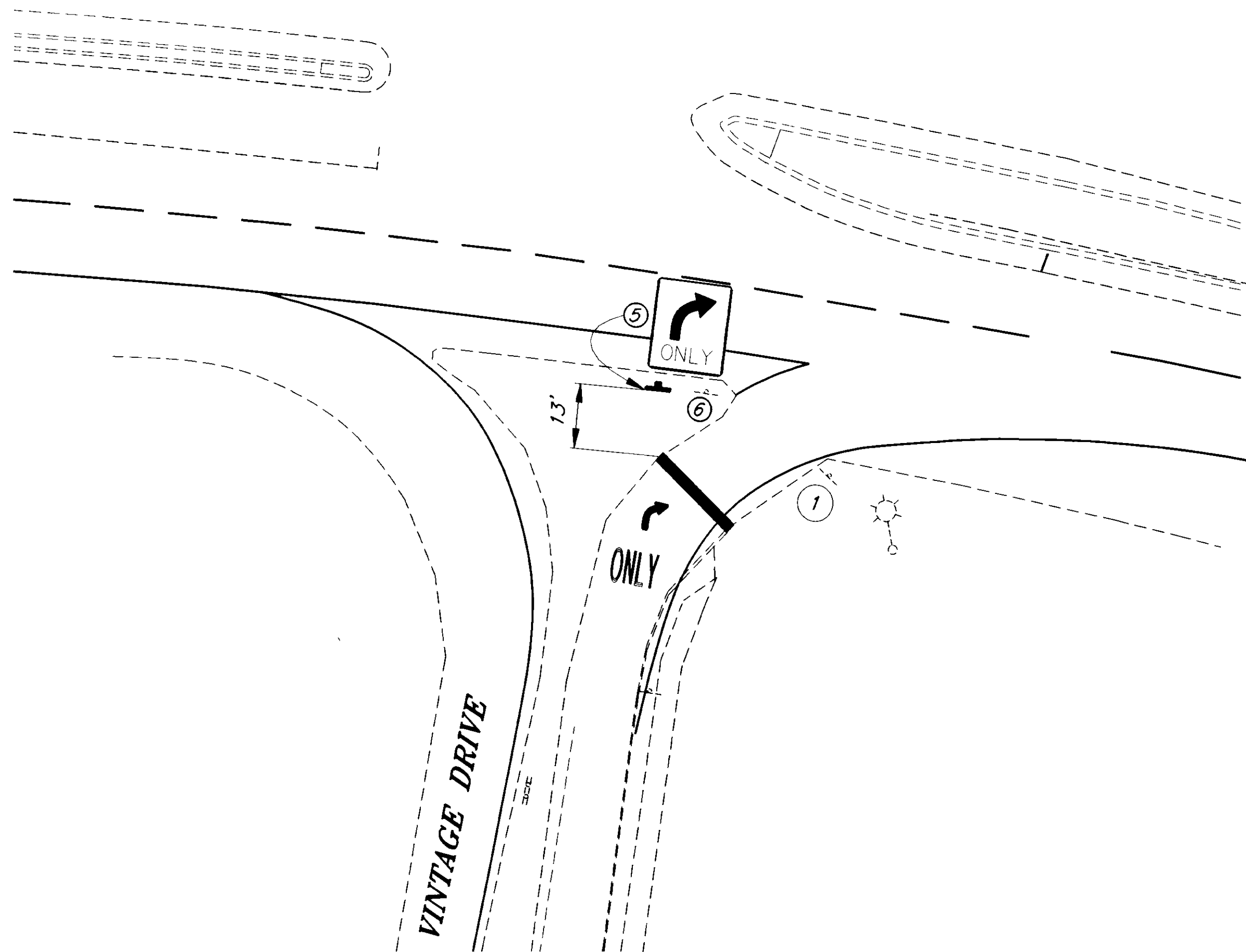


STANDARD SIGNING SCHEDULE

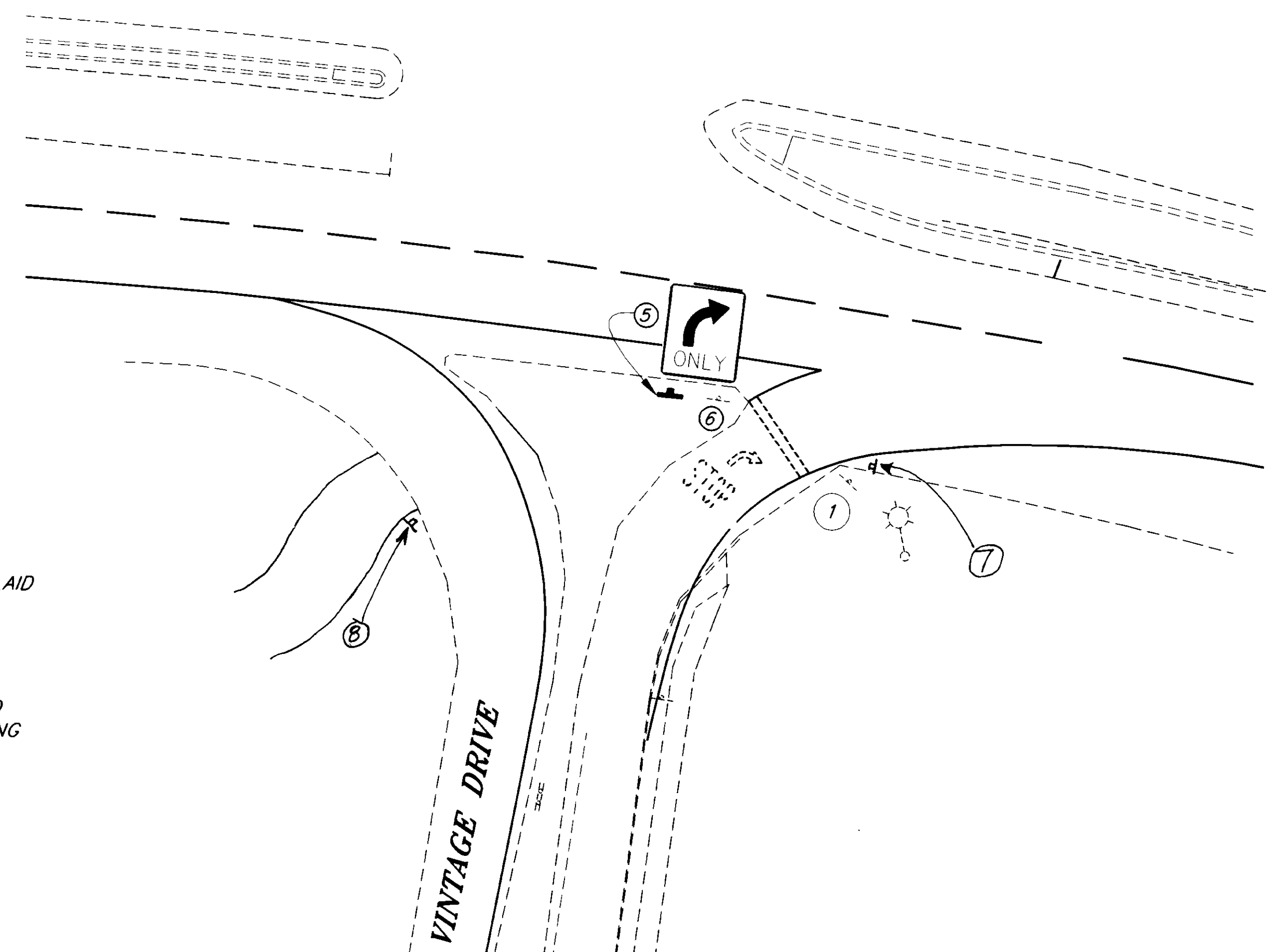
SIGN NO.	STATION	OFFSET		CODE NO.	LEGEND	SIZE	AREA S.F.	POST SIZE	TYPE	FACING TRAFFIC	REMARKS	
		LT.	RT.									
①											EXISTING STOP SIGN TO REMAIN	
②	22+00	X		W6-3	TWO WAY TRAFFIC	36" X 36"	9.00	1	PST	WB	GLACIER HIGHWAY	
③	21+83	5' Lt.			BIKE PATH YIELD SIGNS	24" X 18"	3.00			WB	GLACIER HIGHWAY	
⑦	20+03		X		BIKE PATH YIELD SIGNS	24" X 24"	4.00	1		WB	BIKE PATH INTERSECTION VINTAGE DRIVE	
⑧	20+58		X		BIKE PATH YIELD SIGNS	24" X 24"	4.00	1		EB	BIKE PATH INTERSECTION VINTAGE DRIVE	
④	23+84	X		R2-1	50 MPH SPEED LIMIT	30" X 36"	7.50	1	PST	WB	GLACIER HIGHWAY	
⑤				R3-5R		30" X 36"	7.50	EXIST.	PST	SB	VINTAGE DRIVE—REPLACE EXIST. "RIGHT TURN ONLY" SIGN	
⑥											EXISTING STOP SIGN TO REMAIN	
TOTAL							27.00					

GENERAL NOTES

1. SIGN LOCATIONS ARE APPROXIMATE AND MAY BE SUBJECT TO MINOR FIELD ADJUSTMENT BY THE ENGINEER.
2. POSTS SHALL BE NEW 2 1/2" GALVANIZED, PERFORATED STEEL TUBE WITH TELESCOPING SLEEVE TYPE SOIL EMBEDMENT BASES AS SHOWN ON STD. DWG. S-30.01.
3. SIGN PANEL MOUNTING HEIGHT SHALL MEET THE EXPRESSWAY DIMENSION LISTED ON STD. DWG. S-05.00.
4. UNLESS OTHERWISE NOTED, ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR AND STOCKPILED AT THE STATE OF ALASKA D.O.T./P.F. MAINTENANCE YARD LOCATED AT 7 MILE GLACIER HIGHWAY IN JUNEAU. THIS WORK IS CONSIDERED SUBSIDIARY TO OTHER 615 ITEMS AND NO SEPARATE PAYMENT SHALL BE MADE.
5. SEE STANDARD DRAWING S-00.00 FOR SIGN PANEL THICKNESS REQUIREMENTS.



NEW STRIPING DETAIL
INTERSECTION VINTAGE DRIVE AND EGAN EXPRESSWAY



STRIPING REMOVAL DETAIL
INTERSECTION VINTAGE DRIVE AND EGAN EXPRESSWAY

STRIPING NOTES

1. PAVEMENT MARKINGS SHALL BE OVERLAID PREFORMED TAPE.
2. REMOVE EXISTING PAINTED STOP BAR, TURN ARROW AND STOP.
3. NEW TURN ARROW AND "ONLY" LEGEND SHALL CONFORM TO STANDARD DRAWING T-22.02.

NOTE: DO NOT SCALE FROM THESE PLANS—USE DIMENSIONS

PATH: P:\JNU\71628\DR\—STRIPES 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
GLACIER HIGHWAY
RIVERSIDE DRIVE BIKE/PEDESTRIAN ACCESS IMPROVEMENTS
PROJECT NO. TE-093-3(10)-71628
STRIPING AND SIGNING DETAILS

DESIGNED BY: P. JONES	PROJECT NO. 71628
DRAWN BY: K. KLEMMETSON/CSA	DATE: 1995
CHECKED BY: C. MORROW	SHEET 12 OF 12

