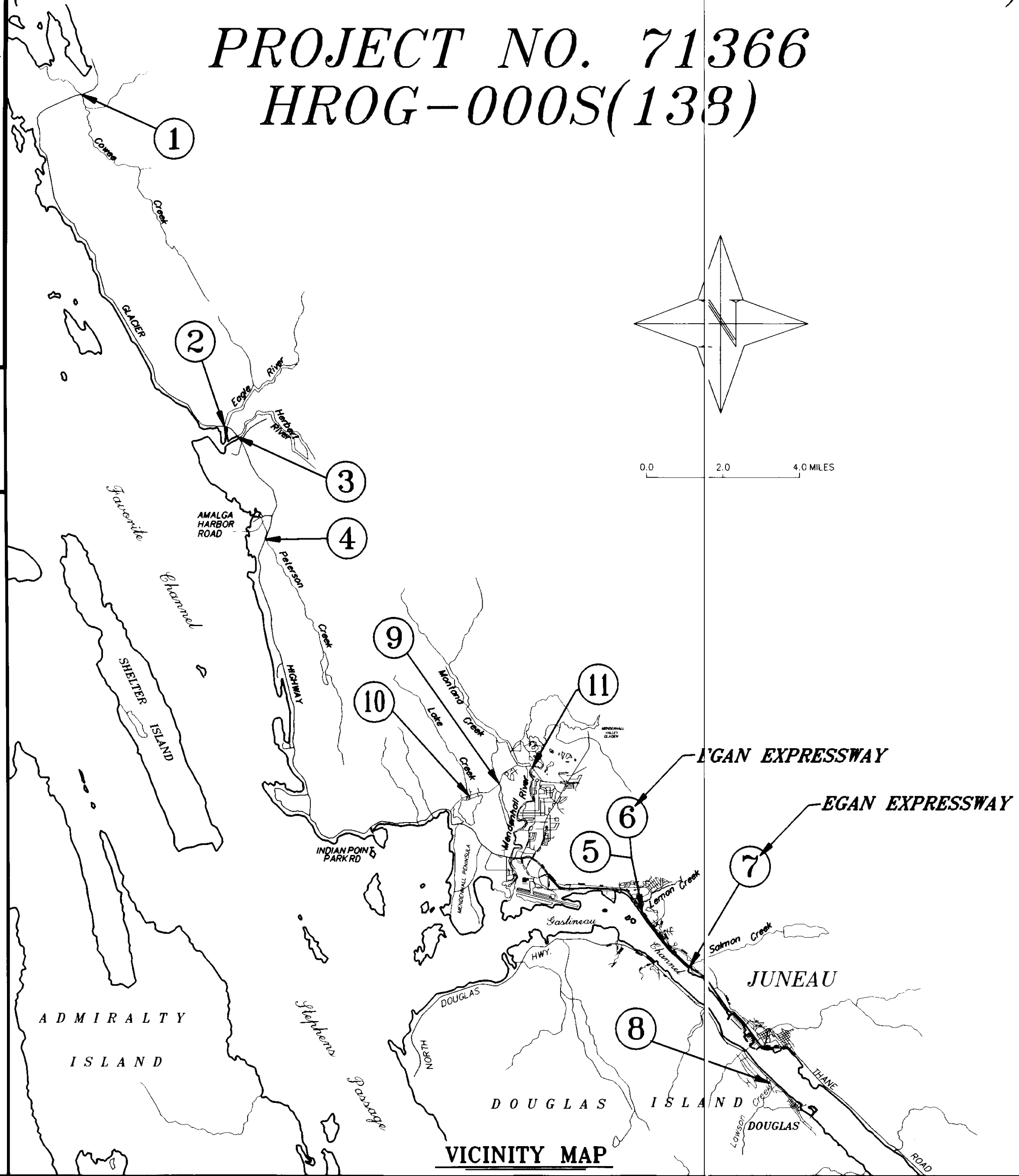


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION
DESIGN AND CONSTRUCTION DIVISION

**JNU-ROADSIDE BARRIER
IMPROVEMENTS
(BRIDGE AND TRANSITION RAIL UPGRADE)**

PROJECT NO. 71366
HROG-000S(138)

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS
3	ESTIMATE OF QUANTITIES/SIGNING SUMMARY
4-9	BRIDGE & APPROACH LAYOUT PLANS
10	BRIDGE RAIL TRANSITION BRACKET
11	LAKE CREEK BRIDGE
12	EAGLE RIVER BRIDGE
13	HERBERT RIVER BRIDGE
14-15	COWEE CREEK, SALMON CREEK & LEMON CREEK (NB & SB) PLANS AND DETAILS
16-17	LAWSON CREEK BRIDGE
18-19	TRAFFIC CONTROL PLAN



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, G-04.04S, G-04.05W, G-09.01S, G-09.01W, G-14.04S, G-14.04W, G-15.00, G-18.00S, G-18.00W, G-25.10S, G-25.10W, G-27.01S, G-27.01W, G-29.01S, G-29.01W, G-45.01, S-00.00, S-05.00, S-20.001S, S-30.01.

"AS - BUILTS"

PROJECT ENGINEER: Soc Kreuzenstein
CONTRACTOR: Arete Construction Inc.,
BEGIN DATE : May 3, 1994
END DATE : April 22, 1995

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

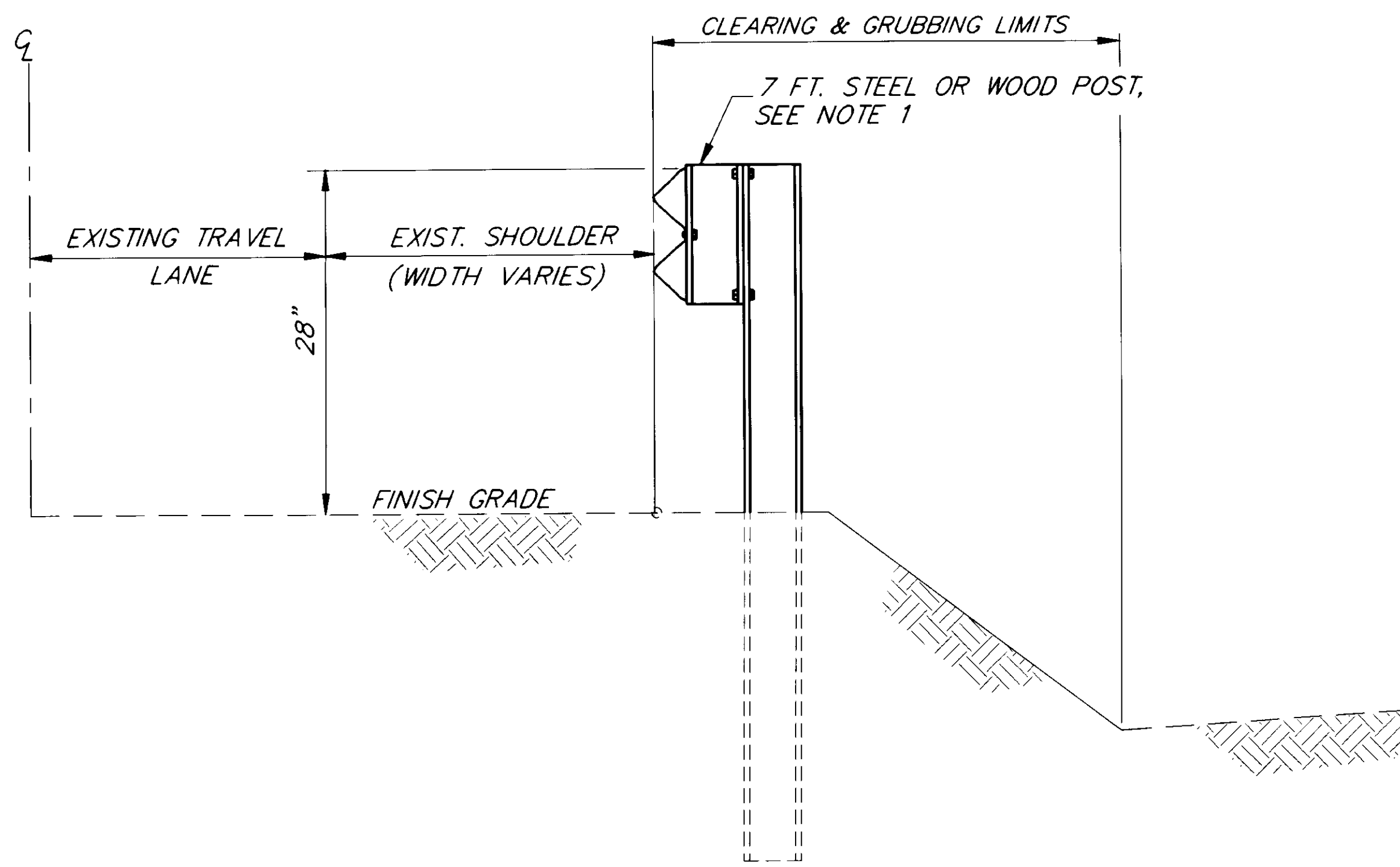
APPROVED _____ Date 9/16/93
Regional Preconstruction Engineer

APPROVED _____ Date 9/16/93
Director, S.E. Region Design & Construction

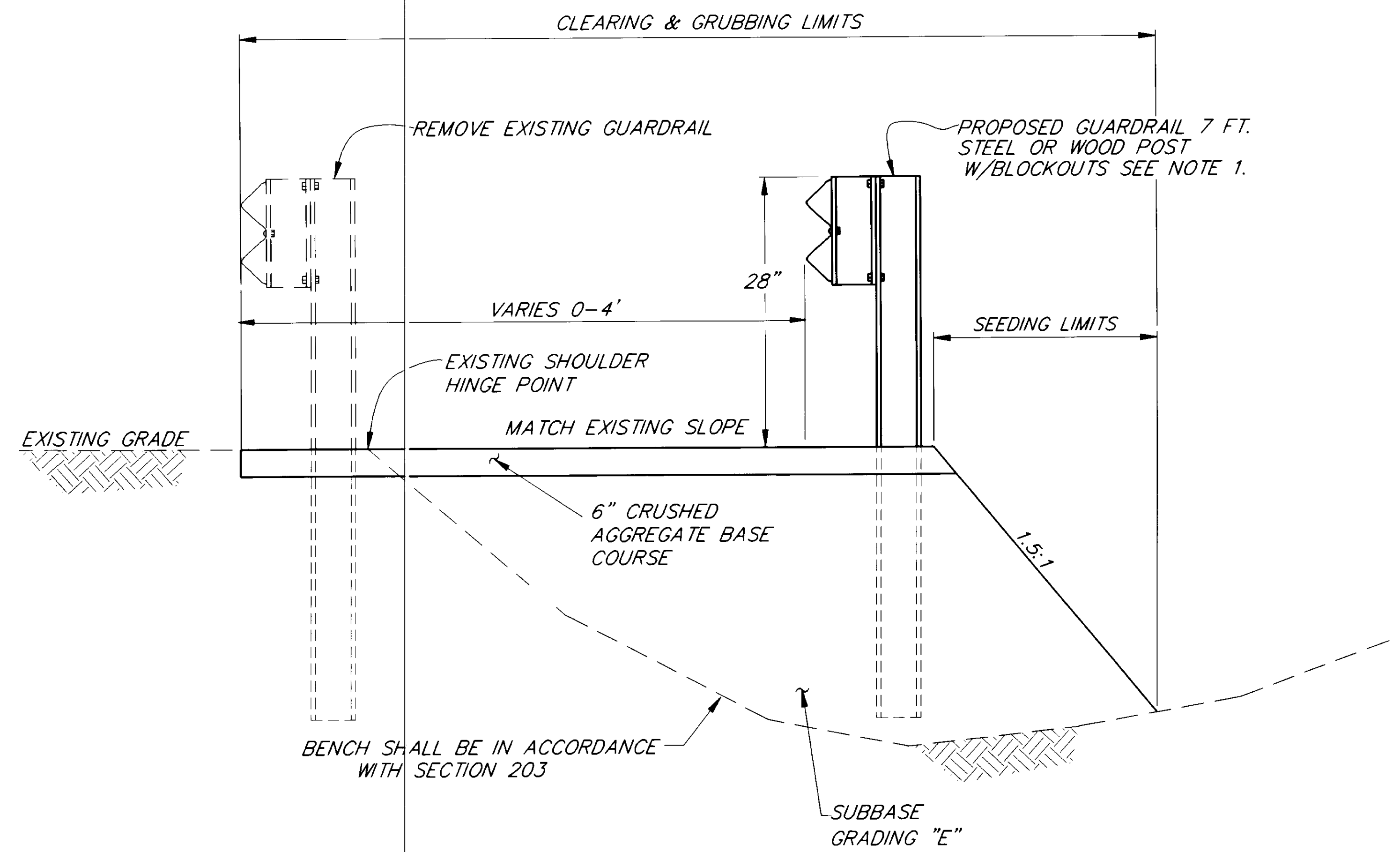
BRIDGE KEY	BRIDGE NUMBER	SHEET NUMBER
① COWEE CREEK	1220	4
② EAGLE RIVER	735	5
③ HERBERT RIVER	736	7
④ PETERSON CREEK	734	6
⑤ LEMON CREEK SO.	1197	8
⑥ LEMON CREEK NO.	1863	8
⑦ SALMON CREEK	1188	5
⑧ LAWSON CREEK	788	9
⑨ MONTANA CREEK	264	8
⑩ LAKE CREEK	873	7
⑪ MENDENHALL RIVER	217	6

AS-BUILT	PROJECT NUMBER: 71366	ENGINEER'S SEAL
	DATE: SEPT. 1993	
	SHEET 1 OF 19	

71366-DR-158H-1=1



NEW GUARDRAIL INSTALLATION TYPICAL
SEE BRIDGE APPROACH SUMMARY TABLES

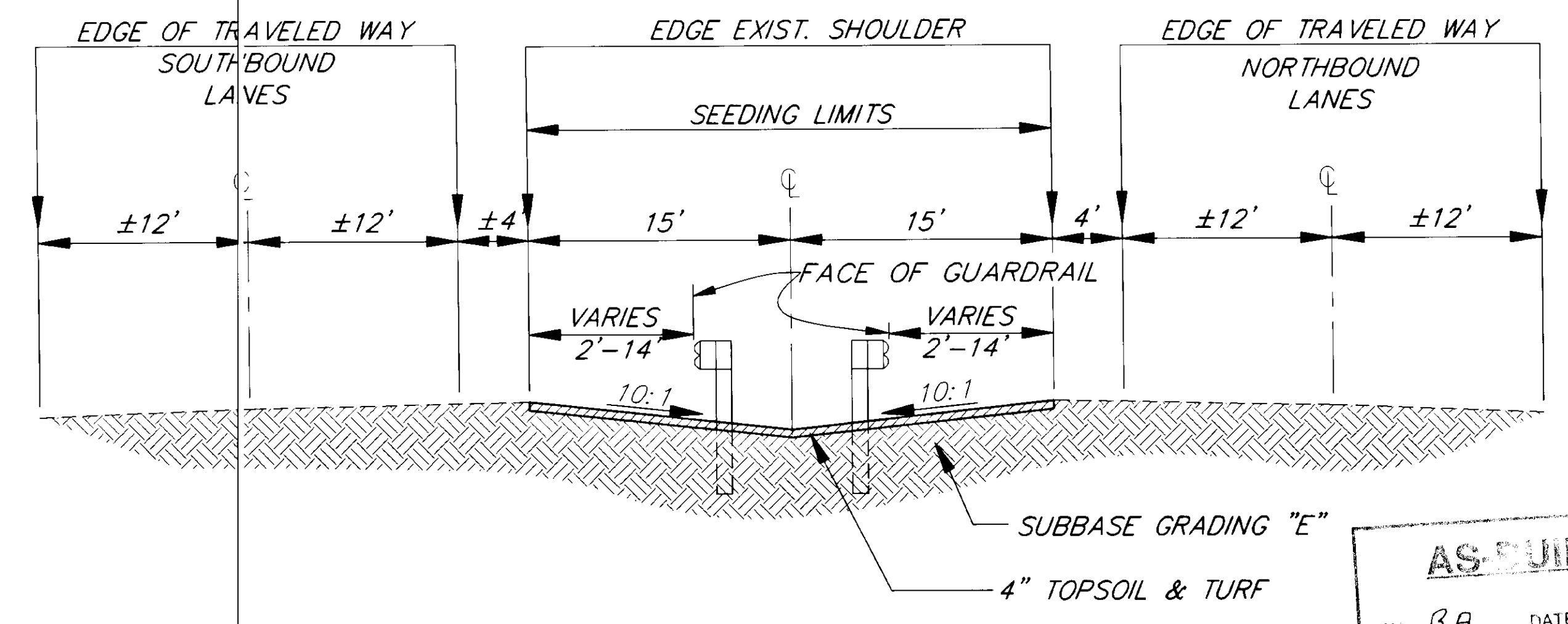


NEW GUARDRAIL & FLARE TYPICAL
SEE STD, DWG. G-14.04S & G-14.04W

DITCH RECONDITIONS SUMMARY			
BRIDGE	WORK ZONE	LENGTH	REMARKS
LAWSON CREEK	(2)	160 LF	
TOTAL		160 LF	

BASIS OF ESTIMATE	
ITEM NO.	ESTIMATING FACTOR
301(1)	2.0 TONS PER CUBIC YARD
304(1)	1.8 TONS PER CUBIC YARD

NOTE:
1. SEE BRIDGE APPROACHES FOR LOCATIONS, SHEETS 4 THRU 9.



MEDIAN TYPICAL SECTION
SEE PLAN SHEET No. 8

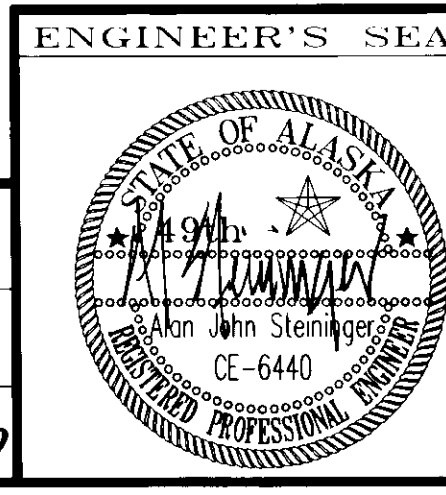
AS BUILT
BY: B.A. DATE: 4-8-96

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

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

JUNEAU
ALASKA
JNU-ROADSIDE BARRIER IMPROVEMENTS
PROJECT NO. 71366
HROG-000S(138)
TYPICAL SECTIONS

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS
DESIGNED BY: P. JONES
DRAWN BY: W.D.A.
CHECKED BY: A. STEININGER
PROJECT NO. 71366
DATE: SEPT. 1993
SHEET 2 OF 19

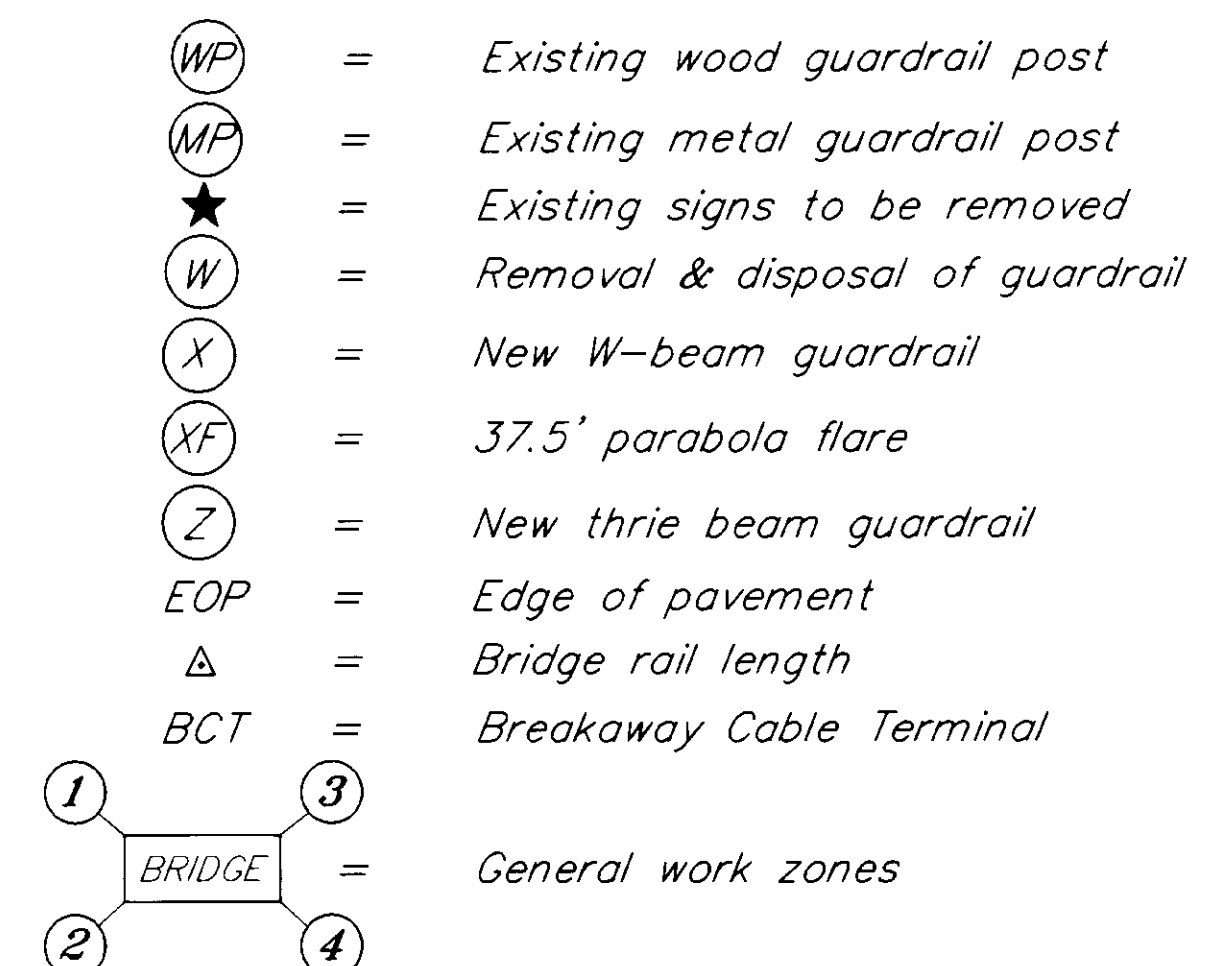


ESTIMATE OF QUANTITIES

Item No.	Item	Unit	Cowee Creek 1220	Eagle River 735	Herbert River 736	Peterson Creek 734	Lemon Creek 1863 & 1197	Salmon Creek 1188	Lawson Creek 788	Montana Creek 264	Lake Creek 873	Mendenhall River 217	Total
120 (1)	DBE Adjustment	C.S.											All Req'd.
201 (3B)	Clearing and Grubbing	L.S.											All Req'd.
301 (1)	Crushed Aggregate Base Course	Ton	40	32	32	16			20	14	16	20	198
304 (1)	Subbase, Grading "E"	Ton	70	70	110	75			50	35	35	40	485
507 (1)	Metal Bridge Railing	L.F.	385				725	243	304				1,657
507 (4)	Concrete Bridge Railing	L.F.							302				302
606(5A)	Removal & Disposal Concrete Encase Guardrail	L.S.											All Req'd.
603 (17-18)	18 - Inch Pipe	L.F.							50				50
606 (1)	W-Beam Guardrail	L.F.	375	475	675	312.5	850	37.5	381.25	275	268.75	175.0	3,825
606 (2)	Thrie Beam Guardrail	L.F.	75	75	75	93.75	150	75	75	75	75	75	843.75
606 (5)	Removal and Disposal of Guardrail	L.F.	350	224	212	262.5	715	56.25	451	314	232	243.75	3,060.56
606 (6)	End Anchorages	Each	4	4	4	4	4	1	3	4	4	3	35
606 (8)	Buried Anchor Terminal	Each							1				1
606 (12)	Guardrail/Bridge Rail Bracket	Each	4			4	4	4	2	4		4	26
606 (13)	Bridge Rail Retrofit	L.F.		441	300						122		863
606 (14)	Thrie Beam Connectors	Each							2				2
615 (1)	Standard Signs	Sq. Ft.	14	14	16	36	27	33	30	18	14	45	247
618 (1)	Seeding	L.S.											All Req'd.
640 (1)	Mobilization and Demobilization	L.S.											All Req'd.
606(13A)	Additional Bridge Rail Retrofit	L.S.											All Req'd.
641 (1)	Temporary Erosion & Pollution Control	C.S.											All Req'd.
642 (1)	Construction Surveying	L.S.											All Req'd.
643 (2)	Traffic Maintenance	L.S.											All Req'd.
643 (4)	Construction Sign	Each Per Day											2,000
643 (6)	Type III Barricade	Each Per Day											80
643 (7)	Traffic Cone	Each Per Day											5000
643 (8)	Drum	Each Per Day											2,500
643 (11)	Portable Concrete Barrier	Each											250
643 (12)	Temporary Crash Cushion	L.S.											All Req'd.
643 (15)	Flagging	Hour											800
606(13B)	Additional Rail Modifications	L.S.											All Req'd.

GENERAL NOTES:

- All guardrail locations are approximate only and subject to minor revision.
- The Contractor shall remove and dispose of all waste to an approved waste site.
- All useable hardware designated by the Engineer will be salvaged and become the property of the DOT/PF State Maintenance and shall be delivered to the ADOT/PF, 7 MILE, Maintenance yard.
- Abbreviations:



- Holes and depressions resulting from the removal of existing guardrail and terminal end sections shall be backfilled with Subbase, Grading "E".
- Horizontal control is based on the center of the individual existing bridge abutments.

SIGNING NOTES

- Sign locations are approximate. Final location to be determined by the Engineer.
- All metal sign posts shall be new telescoping, perforated, galvanized 2 1/2"x2 1/2" unless otherwise designated in accordance with Standard Drawing S-05.00.
- All metal posts shall be installed with sleeve type embedment in accordance with Standard Drawing S-30.01.
- All existing signs to be removed shall be delivered to ADOT & PF, 7 mile, Maintenance Yard.
- All signs shall be installed 7 feet above the roadway elevation.

SIGN SUMMARY

Bridge No.	Offset Left	Offset Right	Code No.	Legend	No. of Posts	Size	Area SF	Facing Traffic	Remarks
788		X	1-3	LAWSON CREEK	2	36"x60"	15.0	S.B.	8" U.C., 6" L.C.
788	X		1-3	LAWSON CREEK	2	36"x60"	15.0	N.B.	8" U.C., 6" L.C.
1188		X	1-3	SALMON CREEK	2~4"x4"	36"x66"	16.50	S.B.	8" U.C., 6" L.C.
1188	X		1-3	SALMON CREEK	2~4"x4"	36"x66"	16.50	N.B.	8" U.C., 6" L.C.
1197		X	1-3	LEMON CREEK	2~4"x4"	36"x54"	13.50	S.B.	8" U.C., 6" L.C.
1863	X		1-3	LEMON CREEK	2~4"x4"	36"x54"	13.50	N.B.	8" U.C., 6" L.C.
1220		X	1-3	COWEE CREEK	2	24"x42"	7.0	S.B.	6" U.C., 4.5" L.C.
1220	X		1-3	COWEE CREEK	2	24"x42"	7.0	N.B.	6" U.C., 4.5" L.C.

SIGN SUMMARY

Bridge No.	Offset Left	Offset Right	Code No.	Legend	No. of Posts	Size	Area SF	Facing Traffic	Remarks
735		X	1-3	EAGLE RIVER	2	24"x42"	7.0	S.B.	6" U.C., 4.5" L.C.
735	X		1-3	EAGLE RIVER	2	24"x42"	7.0	N.B.	6" U.C., 4.5" L.C.
736		X	1-3	HERBERT RIVER	2	24"x48"	8.0	S.B.	6" U.C., 4.5" L.C.
736	X		1-3	HERBERT RIVER	2	24"x48"	8.0	N.B.	6" U.C., 4.5" L.C.
734		X	1-3	PETERSON CREEK	2~4"x4"	36"x72"	18.0	S.B.	8" U.C., 6" L.C.
734	X		1-3	PETERSON CREEK	2~4"x4"	36"x72"	18.0	N.B.	8" U.C., 6" L.C.
217		X	1-3	MENDENHALL RIVER	2~4"x4"	36"x90"	22.5	S.B.	8" U.C., 6" L.C.
217	X		1-3	MENDENHALL RIVER	2~4"x4"	36"x90"	22.5	N.B.	8" U.C., 6" L.C.
264		X	1-3	MONTANA CREEK	2	24"x54"	9.0	S.B.	6" U.C., 4.5" L.C.
264	X		1-3	MONTANA CREEK	2	24"x54"	9.0	N.B.	6" U.C., 4.5" L.C.
873		X	1-3	LAKE CREEK	2	24"x42"	7.0	S.B.	6" U.C., 4.5" L.C.
873	X		1-3	LAKE CREEK	2	24"x42"	7.0	N.B.	6" U.C., 4.5" L.C.
TOTAL							247	SF	

PATH: \\JUNO\G00012\DR\SUMMARY 1-1

BY	DATE	DESCRIPTION OF CHANGE
	7/5/94	

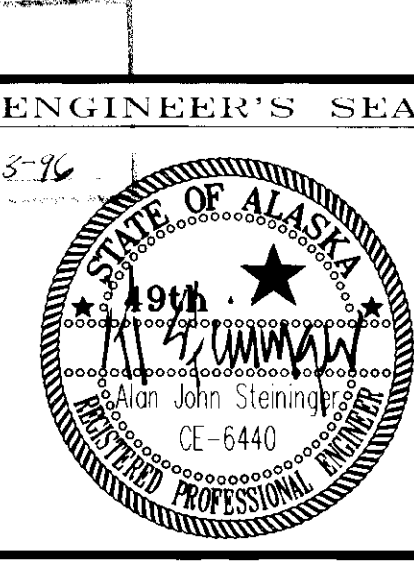
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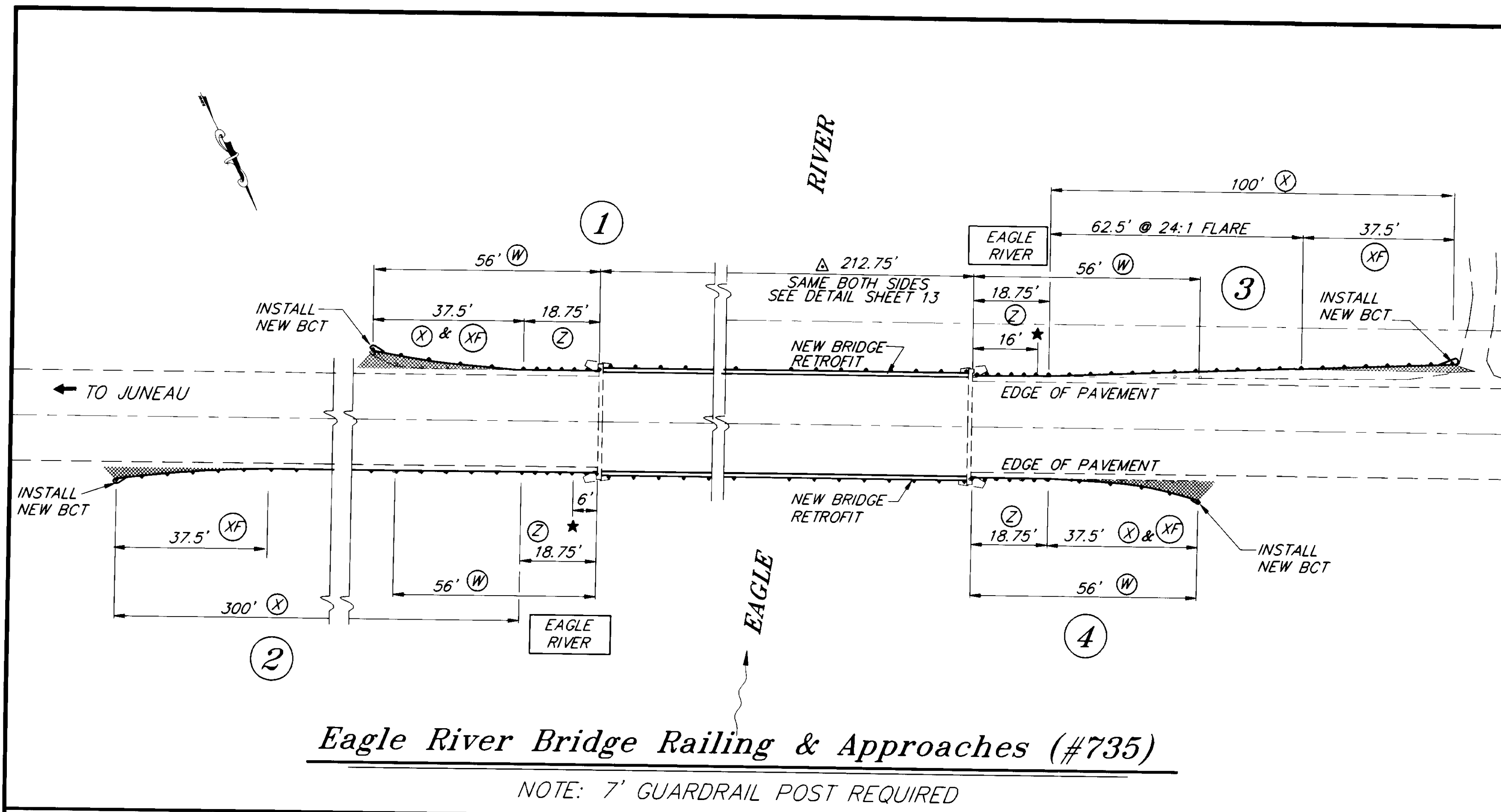
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU ROADSIDE BARRIER
 IMPROVEMENT 71366
 HROG 0005(138)
ESTIMATE OF QUANTITIES/SIGNING SUMMARY

DESIGNED BY: P. JONES
 DRAWN BY: B.W.B.
 CHECKED BY: A.J. STEININGER

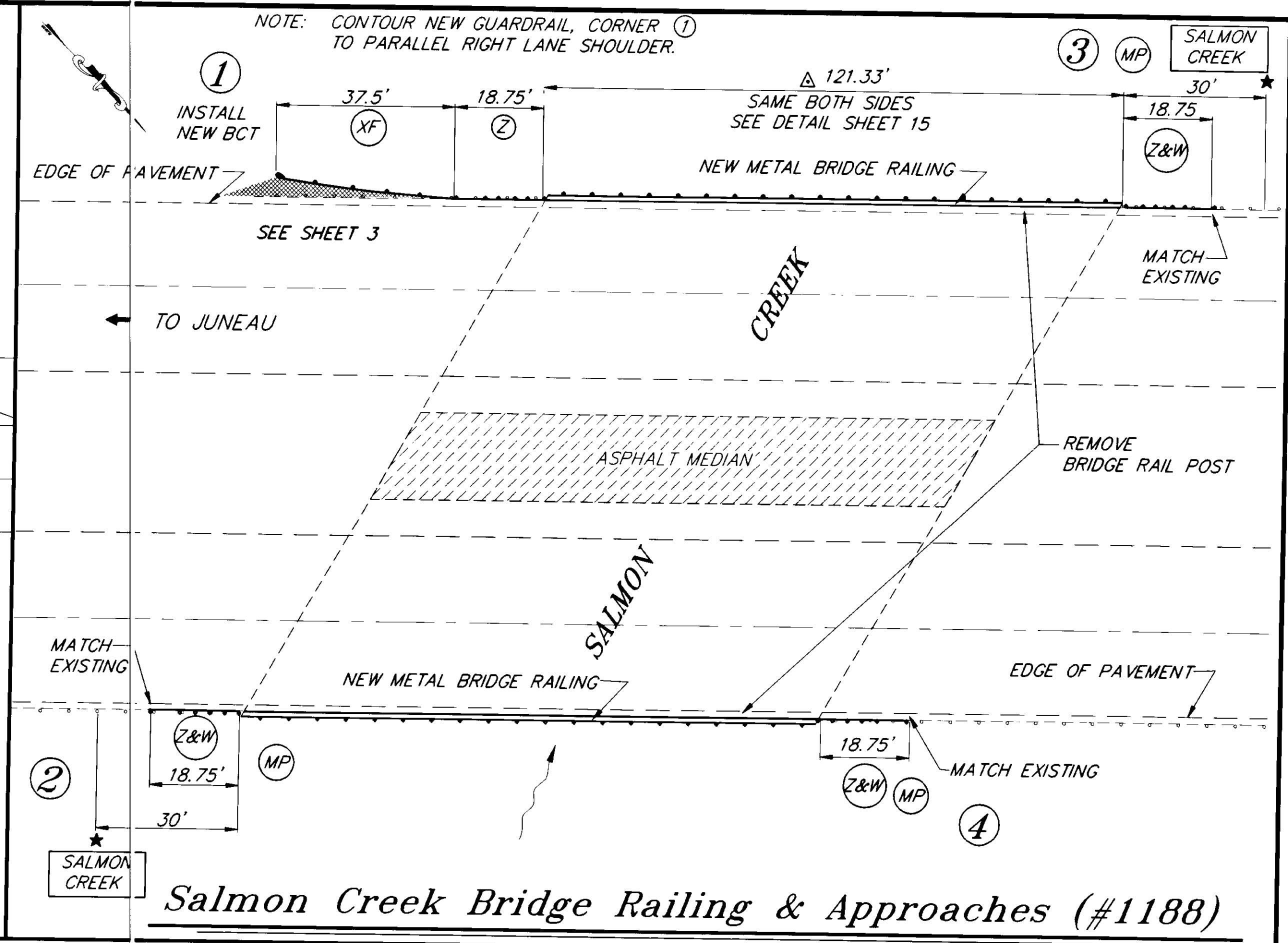
PROJECT NO. 71366
 DATE: SEPT. 1993
 SHEET 3 OF 19





Eagle River Bridge Railing & Approaches (#735)

NOTE: 7' GUARDRAIL POST REQUIRED



Salmon Creek Bridge Railing & Approaches (#1188)

Legend:

- (W) Removal & disposal of guardrail
- (X) New W-beam guardrail
- (XF) 37.5' parabola flare
- (Z) New thrie beam guardrail
- (WP) Existing wood post
- (MP) Existing metal post
- EOP Edge of pavement
- ★ Existing sign to be removed/
Install new, same locations
- △ Bridge rail length
- Crushed aggregate base course
- BCT Breakaway Cable Terminal
- ① ③
BRIDGE
② ④ General work zones

#735 Estimate of Quantities

Item No.	Item	Unit	1	2	3	4	Total
201 (3B)	Clearing & Grubbing	LS	(APPROX. 3,500 SF)				All Req'd
301 (1)	Crushed Aggregate Base Course	TON	8	8	8	8	32
304 (1)	Subbase, Grading "E"	TON	10	25	25	10	70
606 (1)	W-beam Guardrail	TON	37.5	300	100	37.5	475
606 (2)	Thrie Beam Guardrail	LF	18.75	18.75	18.75	18.75	75
606 (5)	Removal and Disposal of Guardrail	LF	56	56	56	56	224
606 (6)	End Anchorages	EA	1	1	1	1	4
606 (13)	Bridgerail Retrofit	LF					441
615 (1)	Standard Signs	SF		7	7		14
618 (1)	Seeding	LS	(APPROX. 3,500 SF)				All Req'd

#1188 Estimate of Quantities

Item No.	Item	Unit	1	2	3	4	Total
201 (3B)	Clearing & Grubbing	LS	(APPROX. 2,000 SF)				All Req'd
507 (1)	Metal Bridge Railing	LF					243
606 (1)	W-Beam Guardrail	LF	37.5				37.5
606 (2)	Thrie Beam Guardrail	LF	18.75	18.75	18.75	18.75	75
606 (5)	Removal & Disposal of Guardrail	LF		18.75	18.75	18.75	56.25
606 (6)	End Anchorages	EA	1				1
606 (12)	Guardrail/Bridge Rail Bracket	EA	1	1	1	1	4
615 (1)	Standard Sign	SF		16.5	16.5		33

AS-BUILT
DATE: 4-8-96

11366

BY	DATE	DESCRIPTION OF CHANGE

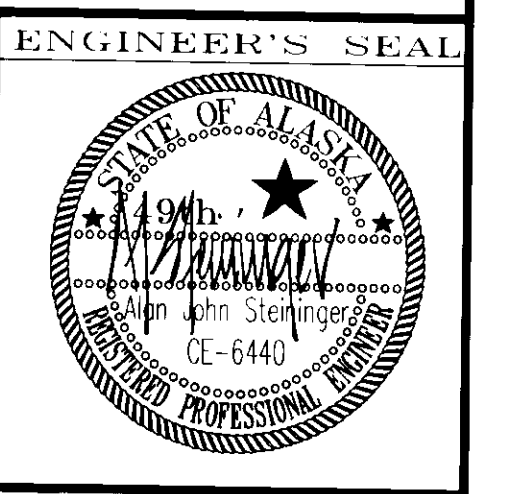
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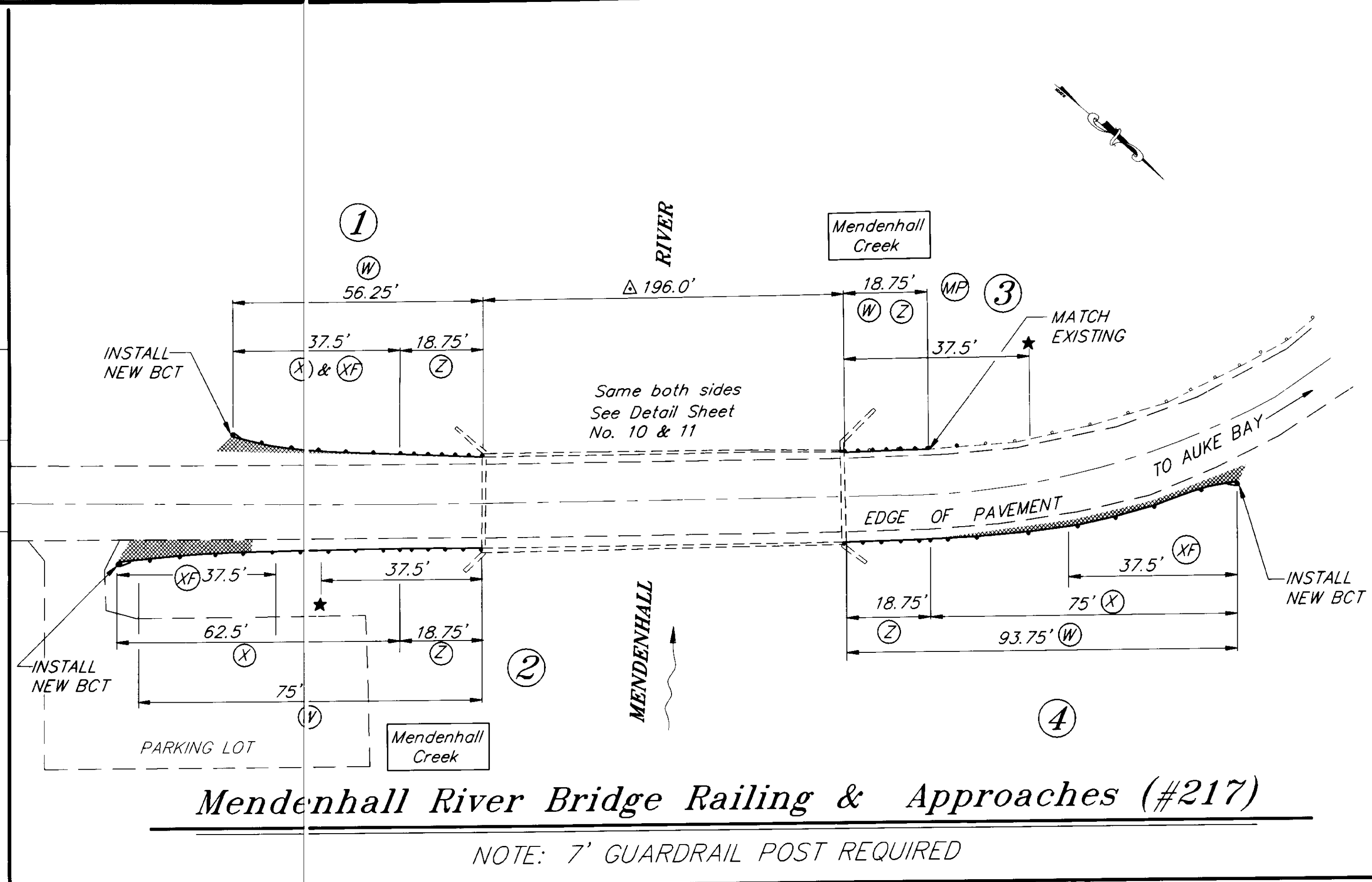
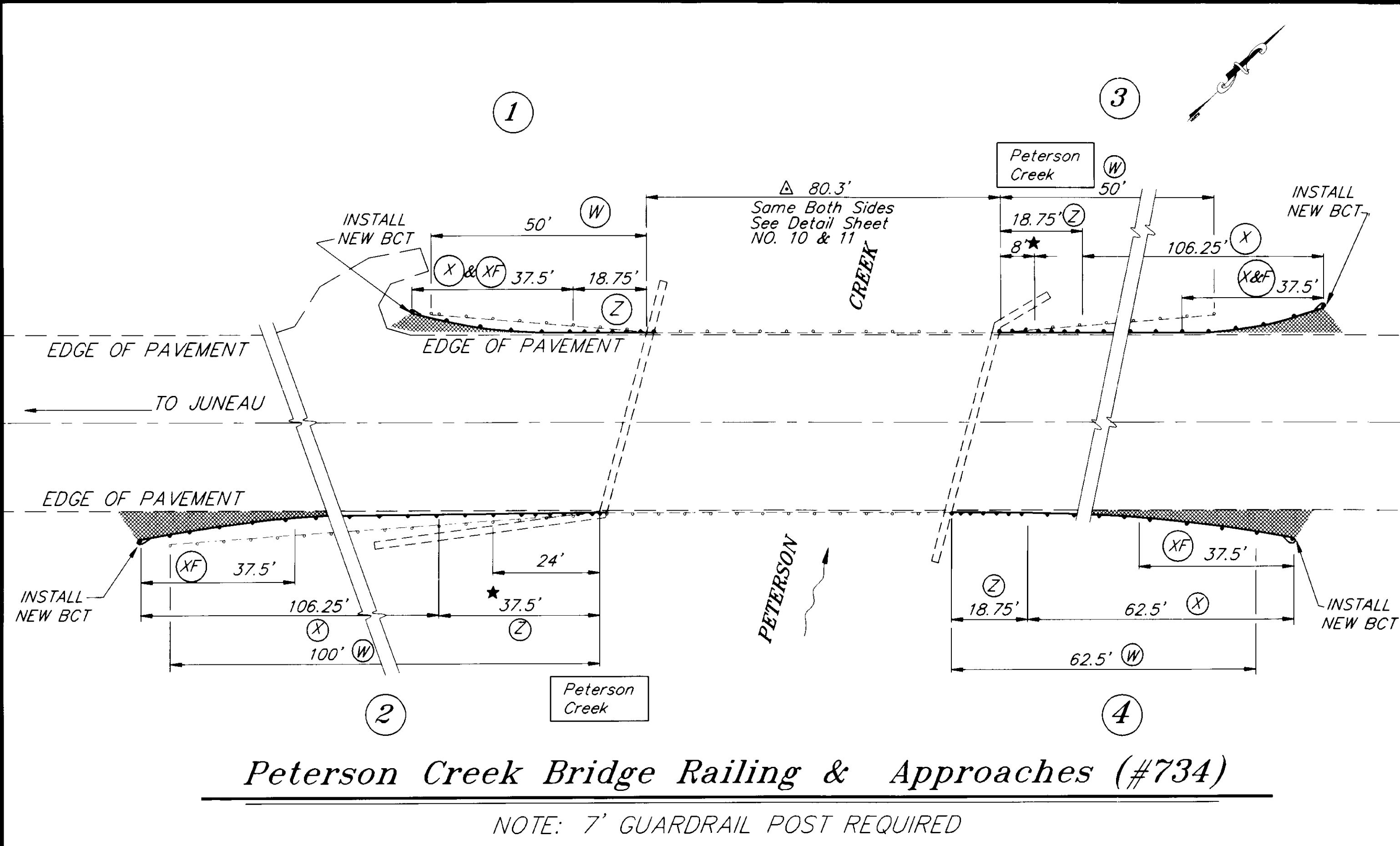
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU
JNU-ROADSIDE BARRIER IMPROVEMENTS
PROJECT NO 71366
HROG-000S (138)
**SALMON CREEK & EAGLE RIVER
BRIDGE RAILING & APPROACHES**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: P. JONES	PROJECT NO. 71366
DRAWN BY: B.W.B.	DATE: SEPT. 1993
CHECKED BY: A.J. STEININGER	SHEET 5 OF 19





Peterson Creek Bridge Railing & Approaches (#734)

Mendenhall River Bridge Railing & Approaches (#217)

#734 Estimate of Quantities

Item No.	Item	Unit	1	2	3	4	Total
201 (3B)	Clearing & Grubbing	LS	(APPROX. 3,000 SF)				All Req'd
301 (1)	Crushed Aggregate Base Course	Ton	4	4	4	4	16
304 (1)	Subbase, Grading "E"	Ton		25	50		75
606 (1)	W-beam Guardrail		37.5	106.25	106.25	62.5	312.5
606 (2)	Thrie Beam Guardrail	LF	18.75	37.5	18.75	18.75	93.75
606 (5)	Removal & Disposal of Guardrail	LF	50	100	62.5	62.5	262.5
606 (6)	End Anchorages	EA	1	1	1	1	4
606 (12)	Guardrail/Bridge Rail Bracket	EA	1	1	1	1	4
615 (1)	Standard Sign	SF		18	18		36
618 (1)	Seeding	LS	(APPROX. 3,000 SF)				All Req'd

- Legend:**
- (W) Removal & disposal of guardrail
 - (X) New W-beam guardrail
 - (XF) 37.5' parabola flare
 - (Z) New thrie beam guardrail
 - (WP) Existing wood post
 - (MP) Existing metal post
 - EOP Edge of pavement
 - ★ Existing sign to be removed/Install new, same locations
 - △ Bridge rail length
 - Crushed aggregate base course
 - BCT Breakaway Cable Terminal
 - ① ③ BRIDGE General work zones
 - ② ④

#217 Estimate of Quantities

Item No.	Item	Unit	1	2	3	4	Total
201 (3B)	Clearing & Grubbing		(APPROX. 3,250 SF)				All Req'd
301 (1)	Crushed Aggregate Base Course	Ton	4	8		8	20
304 (1)	Subbase, Grading "E"	Ton		20		20	40
606 (1)	W-beam Guardrail	LF	37.5	62.5		75	175
606 (2)	Thrie Beam Guardrail	LF	18.75	18.75	18.75	18.75	75
606 (5)	Removal & Disposal of Guardrail	LF	56.25	75	18.75	93.75	243.75
606 (6)	End Anchorages	EA	1	1		1	3
606 (12)	Guardrail/Bridge Rail Bracket	EA	1	1	1	1	4
615 (1)	Standard Sign	SF		22.5	22.5		45
618 (1)	Seeding	LS	(APPROX. 3,250 SF)				All Req'd

11/3/96

BY	DATE	DESCRIPTION OF CHANGE
RECORD OF REVISIONS		

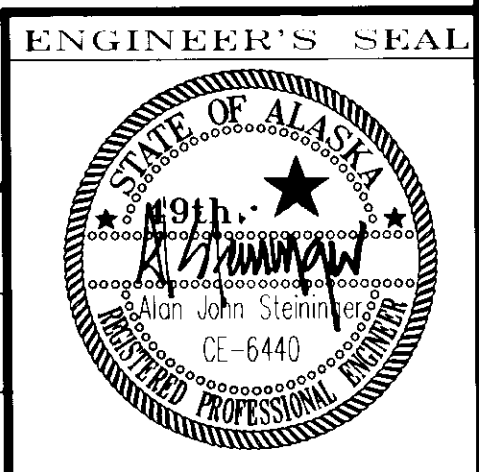
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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

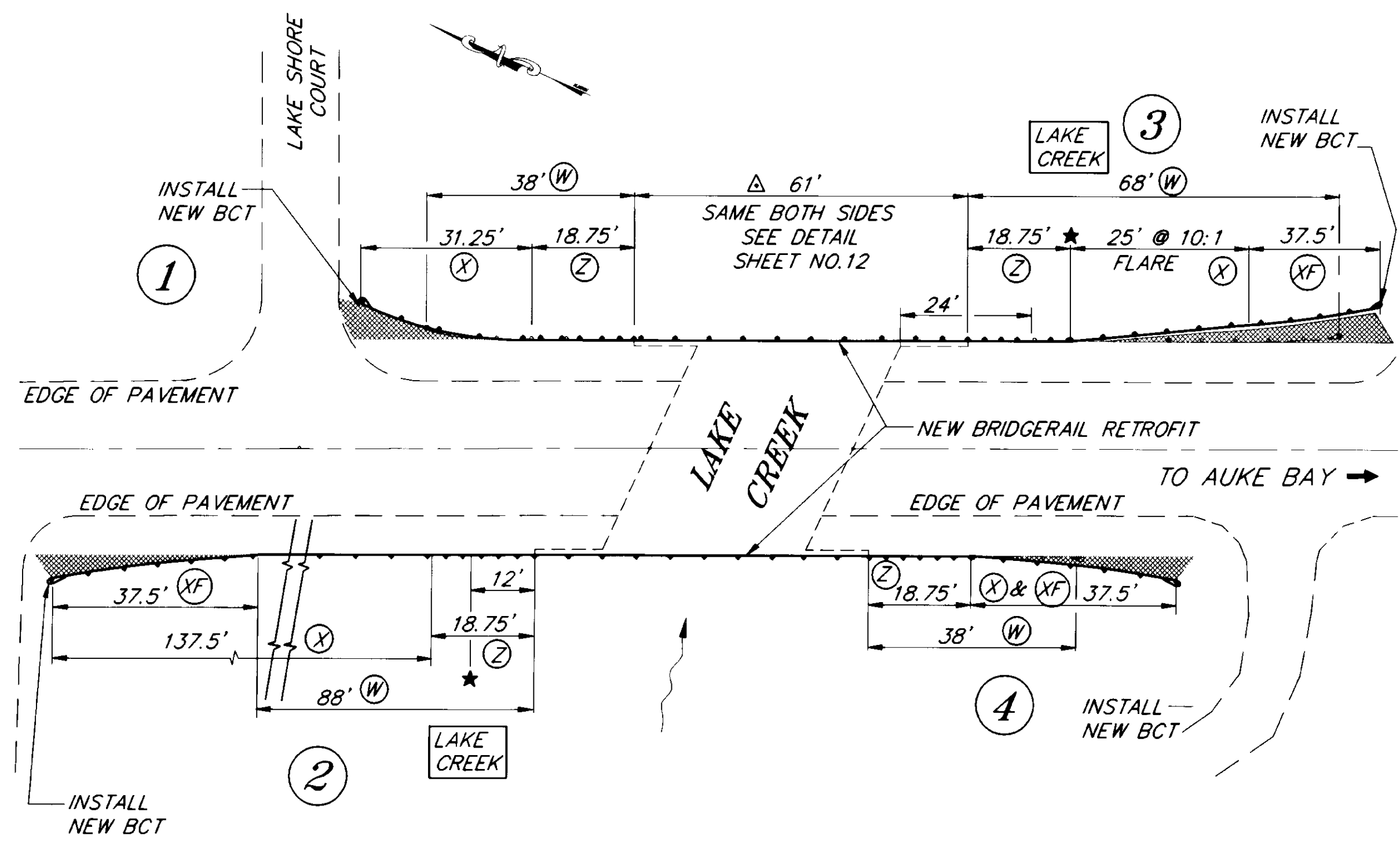
JUNEAU JUNU - ROADSIDE BARRIER IMPROVEMENTS ALASKA
PROJECT NO. 71366
HROG-000S(138)
**PETERSON CREEK & MENDENHALL RIVER
BRIDGE RAILING & APPROACHES**

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: P. JONES	PROJECT NO. 71366
DRAWN BY: B.W.B.	DATE: SEPT. 1993
CHECKED BY: A.J. STEININGER	SHEET 6 OF 19

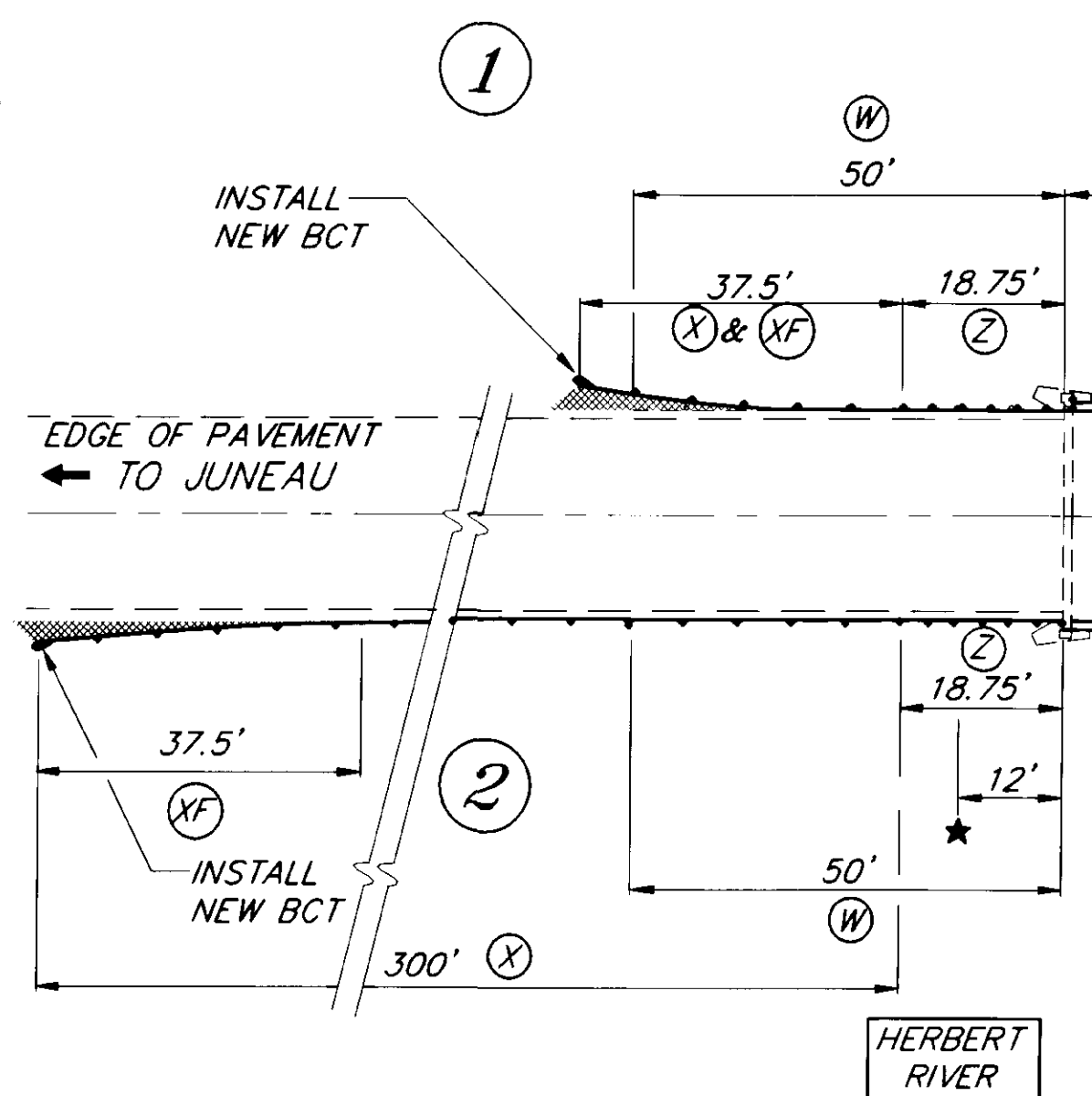
AS-BUILT
BY: B.P. DATE: 4-8-96





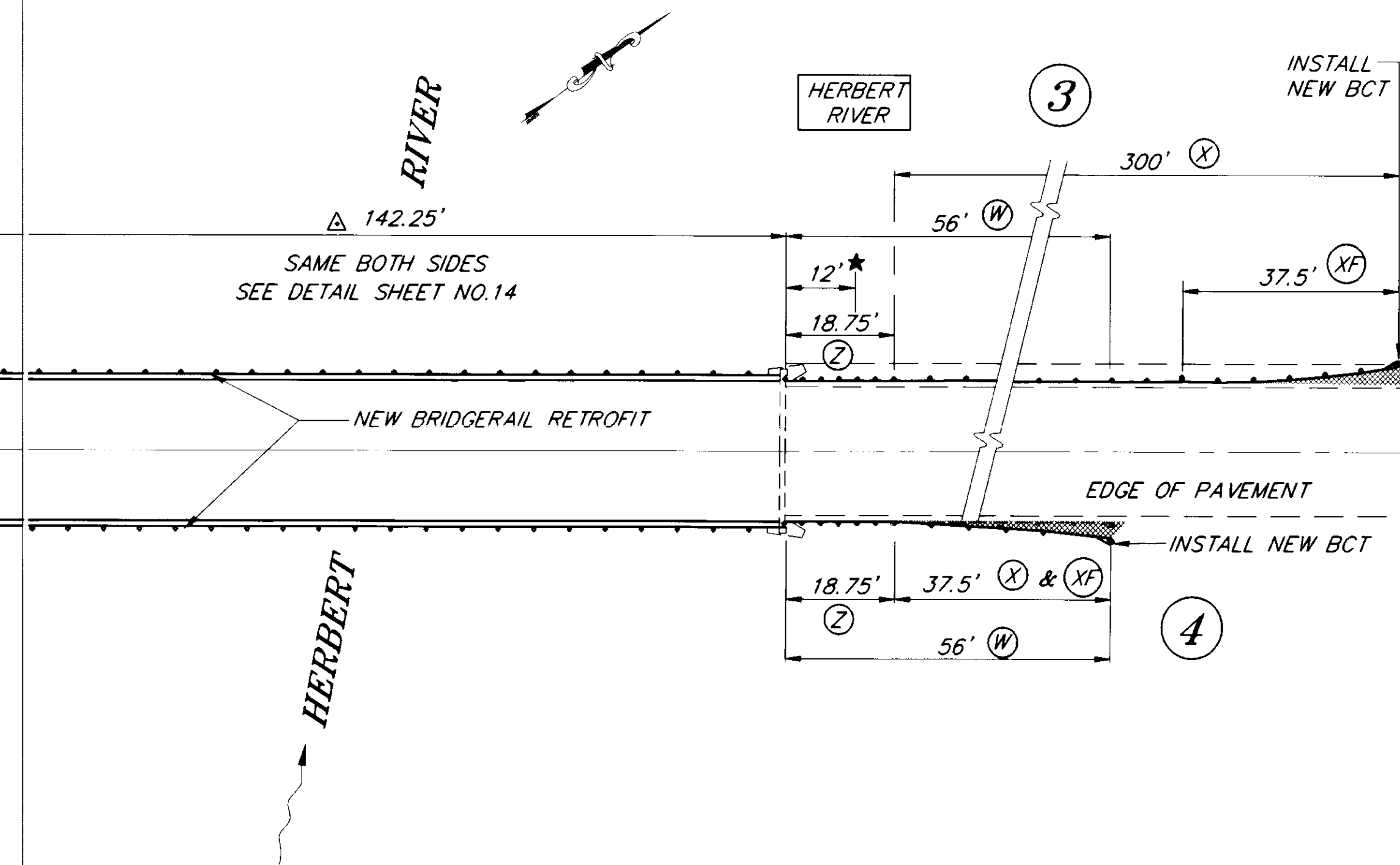
Lake Creek Bridge Railing Approaches (#873)

NOTE: 7' GUARDRAIL POST REQUIRED



Herbert River Bridge Railing Approaches (#736)

NOTE: 7' GUARDRAIL POST REQUIRED



#873 Estimate of Quantities

Item No.	Item	Unit	1	2	3	4	Total
201 (3B)	Clearing & Grubbing	LS	(APPROX. 3,000 SF)				All Req'd
301 (1)	Crushed Aggregate Base Course	TON			8	8	16
304 (1)	Subbase, Grading "E"	TON		10	25		35
606 (1)	W-beam Guardrail	LF	31.25	137.5	62.5	37.5	268.75
606 (2)	Thrie Beam Guardrail	LF	18.75	18.75	18.75	18.75	75
606 (5)	Removal & Disposal of Guardrail	LF	38	88	68	38	232
606 (6)	End Anchorages	EA	1	1	1	1	4
606 (13)	Bridge Rail Retrofit	LF					122
615 (1)	Standard Sign	SF		7	7		14
618 (1)	Seeding	LS	(APPROX. 3,000 SF)				All Req'd

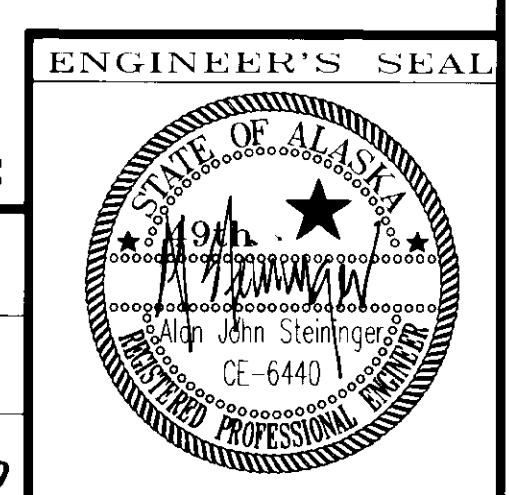
Legend:

- (W) Removal & disposal of guardrail
- (X) New W-beam guardrail
- (XF) 37.5' parabola flare
- (Z) New thrie beam guardrail
- (WP) Existing wood post
- (MP) Existing metal post
- EOP Edge of pavement
- ★ Existing sign to be removed/Install new, same locations
- △ Bridge rail length
- Crushed aggregate base course
- BCT Breakaway Cable Terminal
- BRIDGE General work zones

#736 Estimate of Quantities

Item No.	Item	Unit	1	2	3	4	Total
201 (3B)	Clearing & Grubbing	LS	(APPROX. 3,500 SF)				All Req'd
301 (1)	Crushed Aggregate Base Course	TON	8	8	8	8	32
304 (1)	Subbase, Grading "E"	TON		50	10	50	110
606 (1)	W-beam Guardrail	LF	37.5	300	300	37.5	675
606 (2)	Thrie Beam Guardrail	LF	18.75	18.75	18.75	18.75	75
606 (5)	Removal & Disposal of Guardrail	LF	50	50	56	56	212
606 (6)	End Anchorages	EA	1	1	1	1	4
606 (13)	Bridge Rail Retrofit	LF					300
615 (1)	Standard Sign	SF		8	8		16
618 (1)	Seeding	LS	(APPROX. 3,500 SF)				All Req'd

AS-BUILT
BY: B.A. DATE: 4-8-96



71366

BY	DATE	DESCRIPTION OF CHANGE

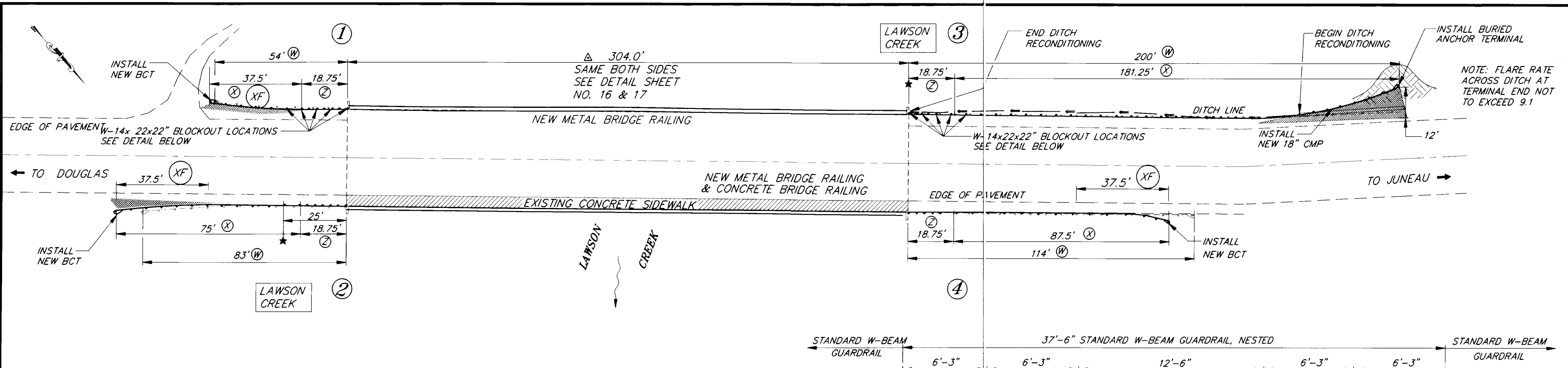
RECORD OF REVISIONS

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

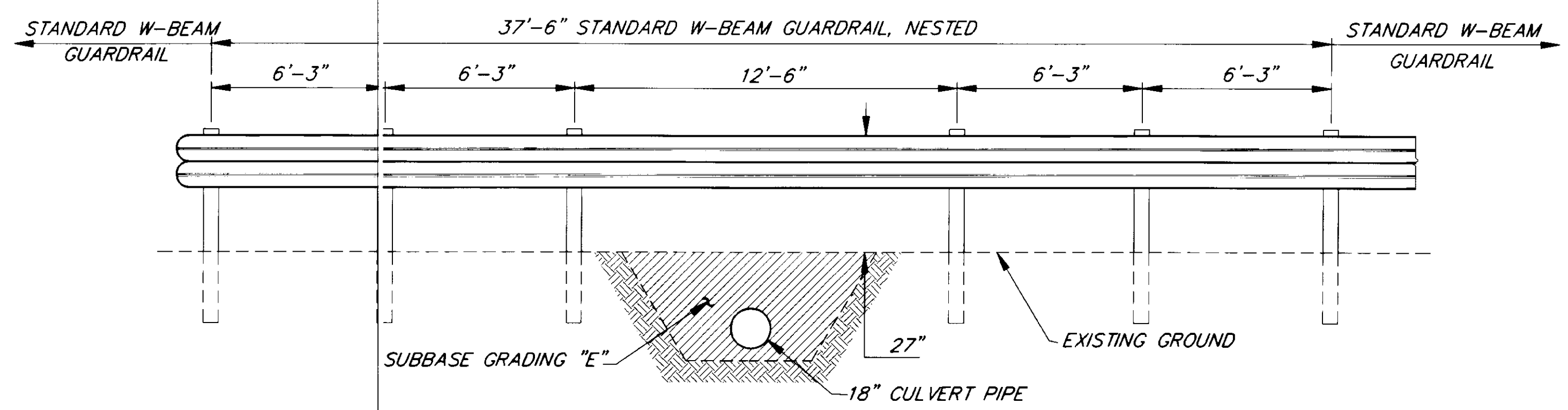
JUNEAU JNU-ROADSIDE BARRIER IMPROVEMENTS
PROJECT NO. 71366
HROG-000S (138)
**LAKE CREEK & HERBERT RIVER
BRIDGE RAILING & APPROACHES**
ALASKA

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: P. JONES	PROJECT NO. 71366
DRAWN BY: B.W.B.	DATE: SEPT. 1993
CHECKED BY: A.J. STEINGER	SHEET 7 OF 19



#788 Lawson Creek Bridge Railing & Approaches



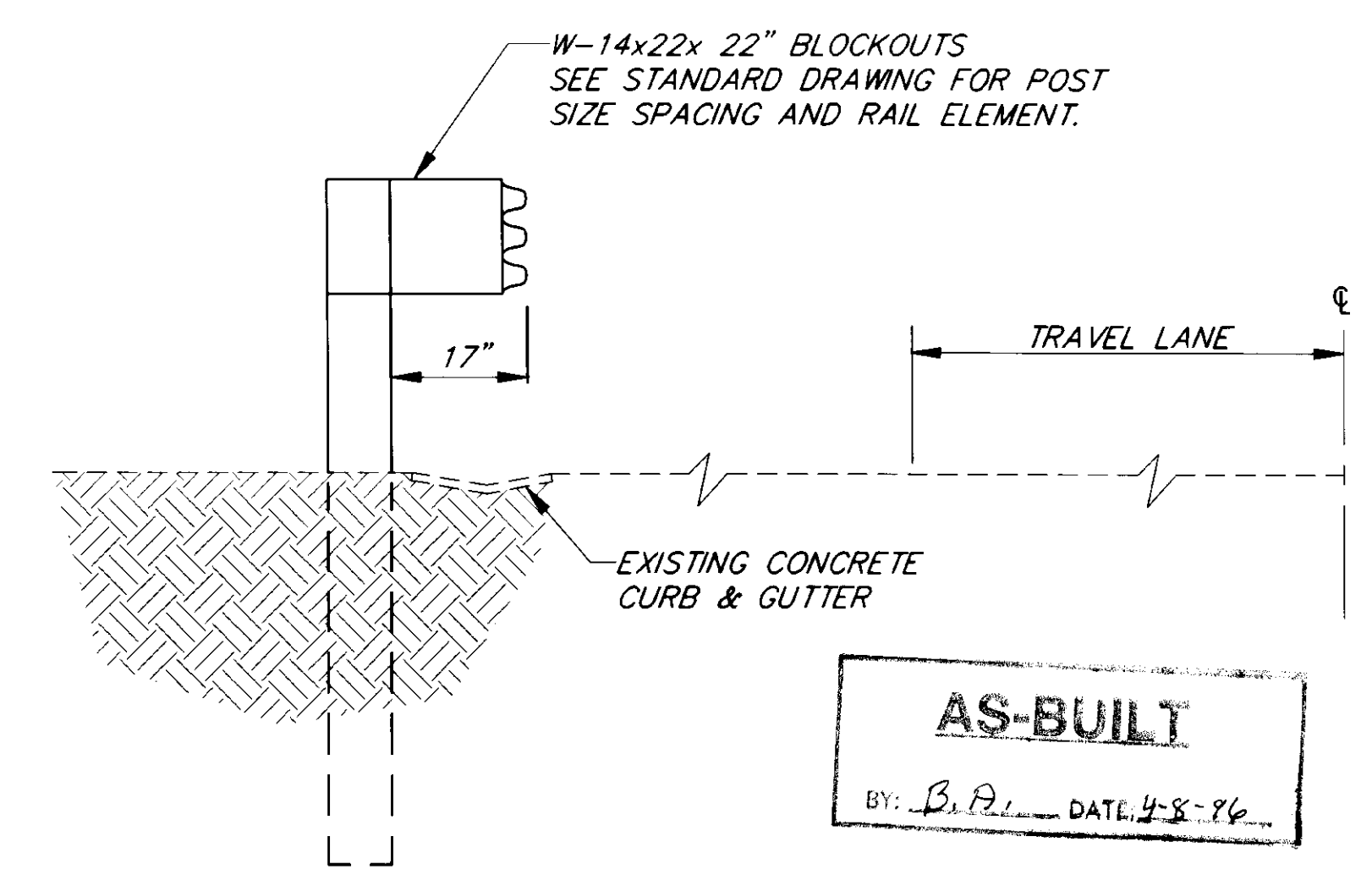
Skipped Post Modification Detail

#788 Estimate of Quantities

Item No.	Item	Unit	1	2	3	4	Total
201 (3B)	Clearing & Grubbing	LS	(APPROX. 4,500 SF)				All Req'd
301 (1)	Crushed Aggregate Base Course	TON	5	5	5	5	20
304 (1)	Subbase, Grading "E"	TON	10	10	30		50
507 (1)	Metal Bridge Railing	LF					304
507 (4)	Concrete Bridge Railing	LF					302
603 (17-18)	18-Inch Pipe	LF			50		50
606 (1)	W-beam Guardrail	LF	37.5	75	181.25	87.5	381.25
606(2)	Thrie Beam Guardrail	LF	18.75	18.75	18.75	18.75	75
606 (5)	Removal & Disposal of Guardrail	LF	54	83	200	114	451
606 (6)	End Anchorages	EA	1	1		1	3
606 (8)	Buried Anchor Terminal	EA			1		1
606 (12)	Guardrail/Bridge Rail Bracket	EA	1		1		2
606 (14)	Thrie Beam Connectors	EA		1		1	2
615 (1)	Standard Sign	SF		15	15		30
618 (1)	Seeding	LS	(APPROX. 4,500 SF)				All Req'd

Legend:

- (W) Removal & disposal of guardrail
- (X) New W-beam guardrail
- (XF) 37.5' parabola flare
- (Z) New thrie beam guardrail
- (WP) Existing wood post
- (MP) Existing metal post
- EOP Edge of pavement
- ★ Existing sign to be removed/Install New
- △ Bridge rail length
- Crushed aggregate base course
- BCT Breakaway Cable Terminal
- ① BRIDGE ③ General work zones
- ② ④



Thrie Beam Blockout Detail

LAWSON CREEK (#788)
LOCATIONS SHOWN ABOVE

AS-BUILT
BY: B.A. DATE: 4-8-96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

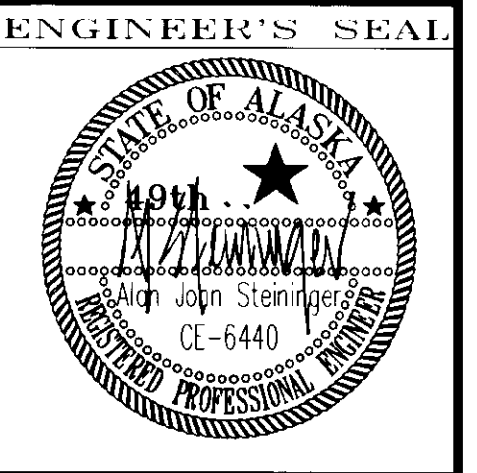
11/2/93

BY	DATE	DESCRIPTION OF CHANGE
RECORD OF REVISIONS		

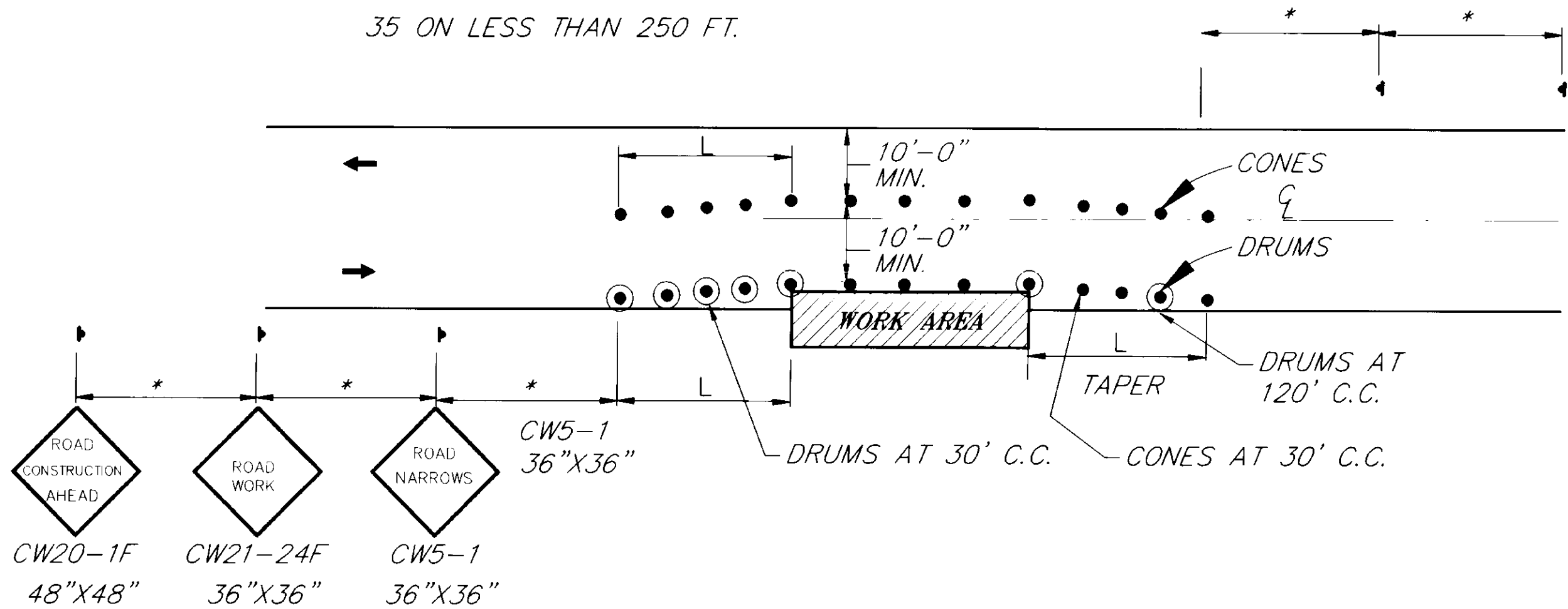
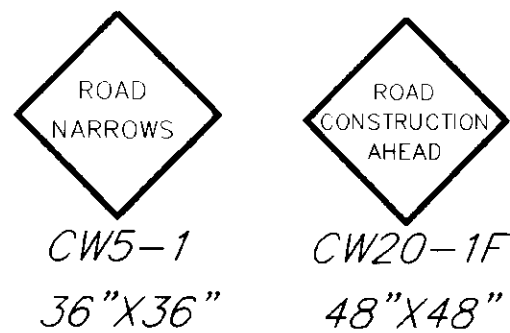
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

JUNEAU
JNU-ROADSIDE BARRIER IMPROVEMENTS
PROJECT NO. 71366
HROG-000S (138)
ALASKA
LAWSON CREEK BRIDGE RAILING & APPROACHES

DESIGNED BY: P. JONES
DRAWN BY: B.W.B.
CHECKED BY: A.J. STEININGER
PROJECT NO. 71366
DATE: SEPT. 1993
SHEET 9 OF 19



* SPEED LIMIT 40 OR GREATER : 500 FT.
35 ON LESS THAN 250 FT.



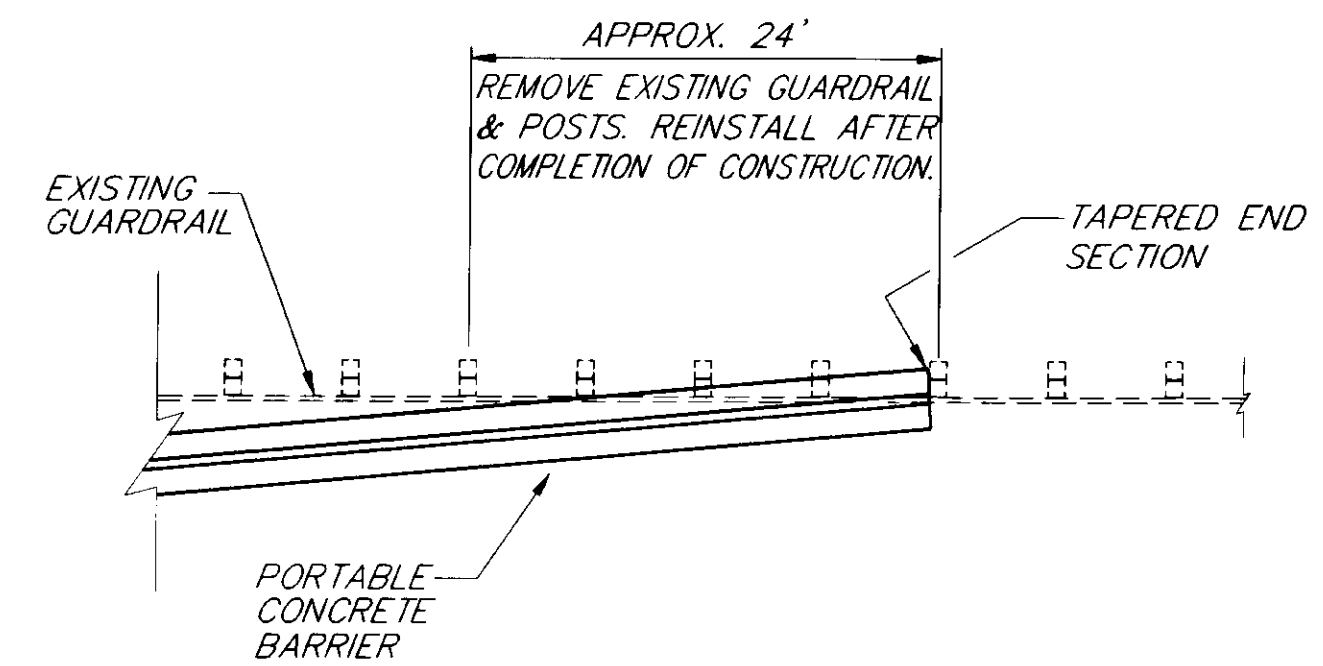
ROADWAY ENCROACHMENT

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

L = SXW L = MIN. LENGTH OF TAPER IN FEET
S = POSTED SPEED LIMIT
W = WIDTH OF OFFSET

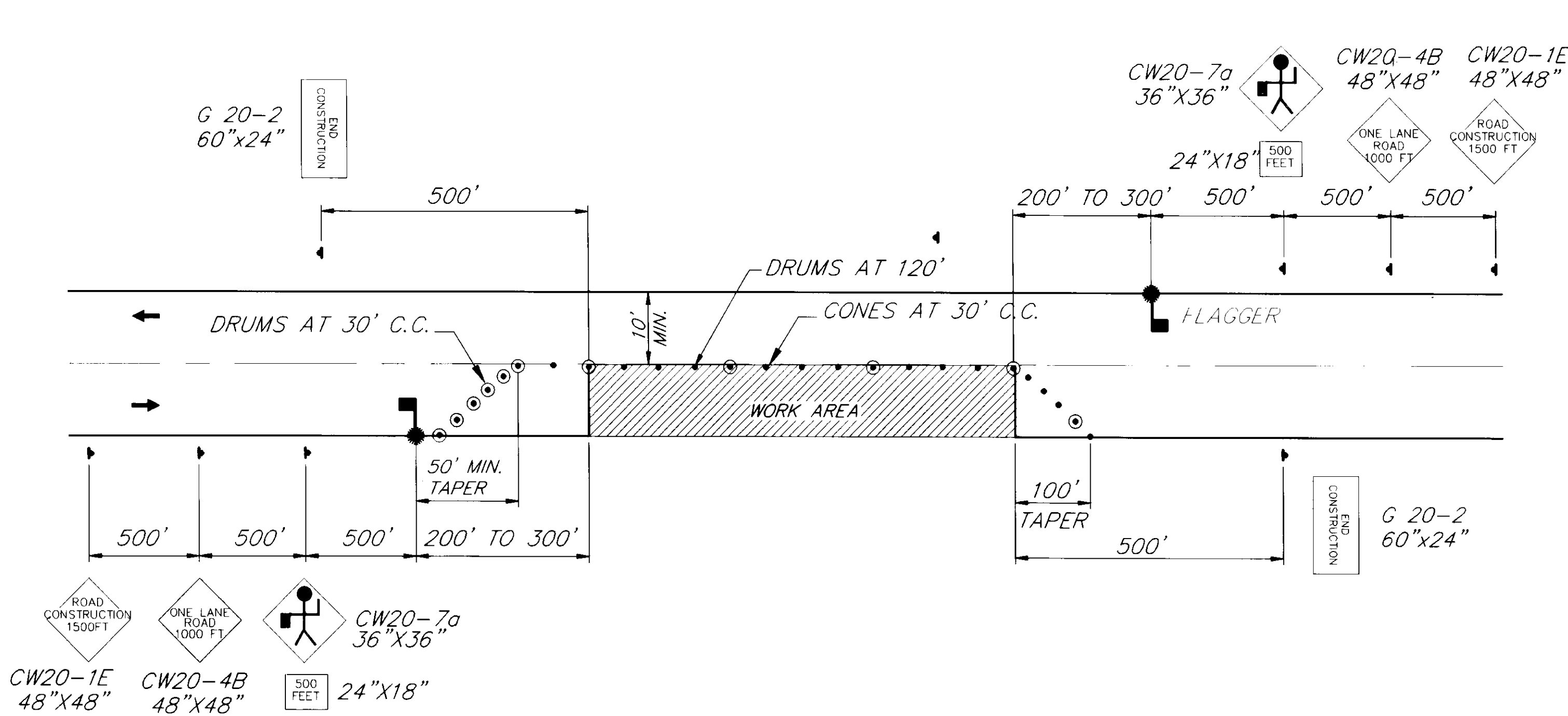
TRAFFIC CONTROL NOTES

1. A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES AT WORK AREAS.
2. 2 THROUGH LANES SHALL BE MAINTAINED NORTHBOUND ON SALMON CREEK AND LEMON CREEK BRIDGES FROM 4:00-6:00 PM, AND SOUTHBOUND FROM 7:00-9:00 AM. TWO WAY TRAFFIC SHALL BE MAINTAINED ON LAWSON CREEK BRIDGE FROM 7:00-9:00 AM AND FROM 4:00-6:00 PM.
3. MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES SHALL BE EQUAL TO THE SPEED LIMIT IN FEET.
4. FLOOD LIGHTS SHALL BE PROVIDED FOR FLAGGER STATIONS DURING NIGHT OPERATIONS.
5. A SINGLE FLAGGER MAY BE APPROVED BY THE ENGINEER IF THE ENTIRE WORK AREA IS LESS THAN 50' LONG AND IS VISIBLE FROM BOTH DIRECTIONS.
6. RECESSED MARKERS SHALL BE REPLACED IN EXISTING SAWCUT AFTER BRIDGE CONSTRUCTION WORK HAS BEEN COMPLETED.

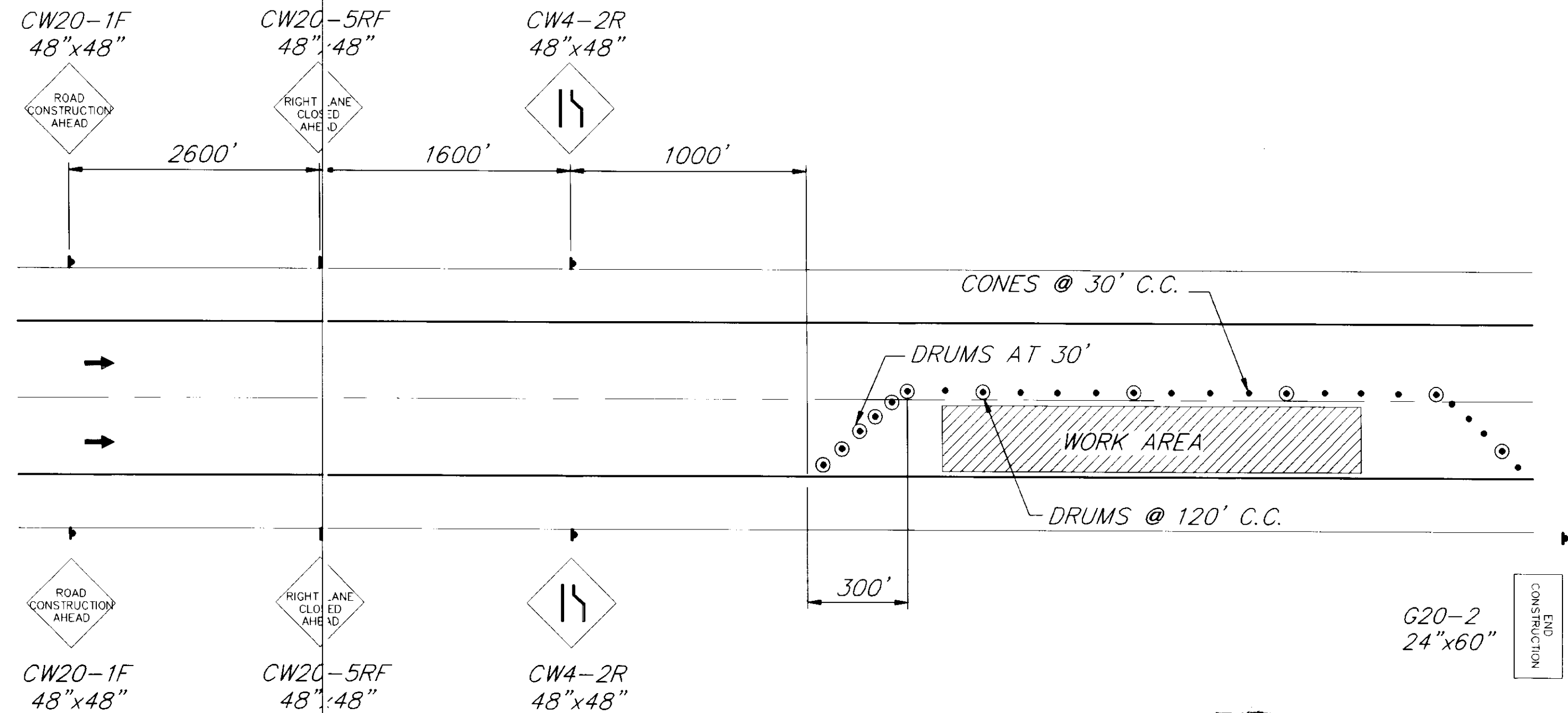


PORTABLE CONCRETE BARRIER DETAIL FOR BARRIER END

SALMON CREEK BRIDGE RAIL REPLACEMENT



TWO LANE ROADWAY-SINGLE LANE CLOSURE



TRAFFIC CONTROL DETAIL 4 LANE DIVIDED SINGLE LANE CLOSURE

AS-BUILT
BY: B.B. DATE: 4-8-96

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH:	P:\JNU\DR\RAIL2\DR\B1CP	<1=1>
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

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

JUNEAU

JNU-ROADSIDE BARRIER IMPROVEMENTS
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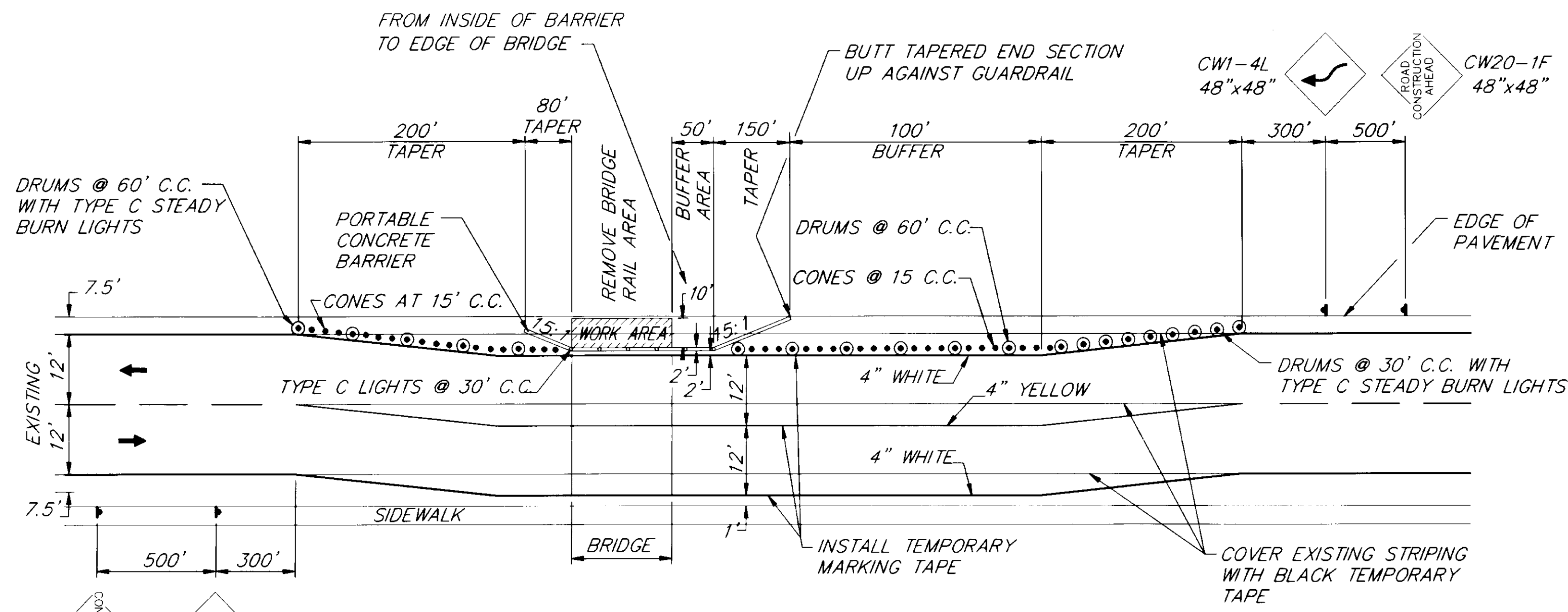
ALASKA

DESIGNED BY: R. PURVES
DRAWN BY: B. ADAMS
CHECKED BY: K. SMITH

PROJECT NO. 71366
DATE: SEPT. 1993
SHEET 18 OF 19



TRAFFIC CONTROL PLAN



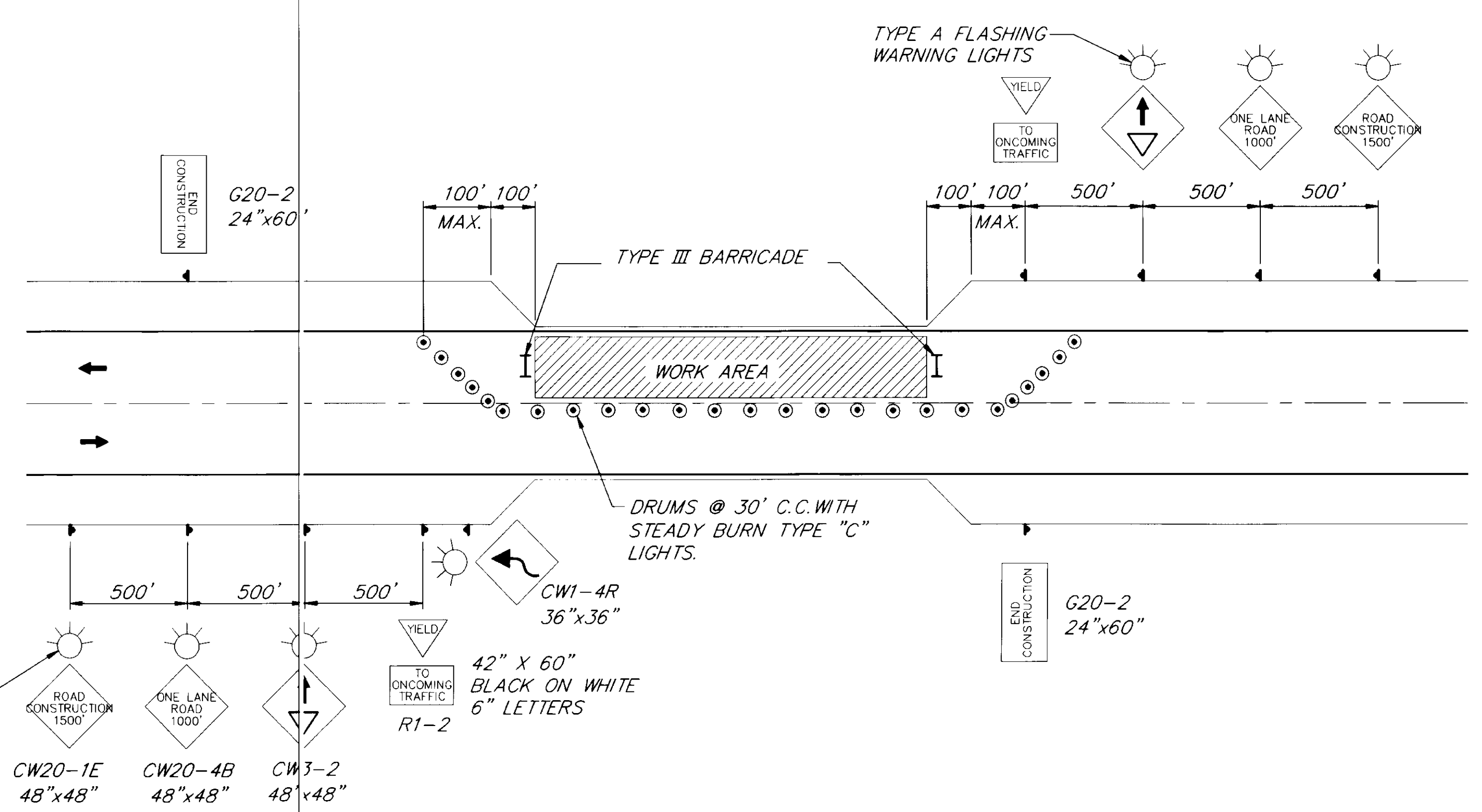
**LAWSON CREEK BRIDGE RAIL REPLACEMENT
TRAFFIC CONTROL DETAIL**

USE ONE LANE CLOSURE FOR APPROACH
GUARDRAIL REPLACEMENT
(UPHILL SIDE ONLY)

WORK FOR WHICH TRAFFIC CONTROL
PLANS (TCPs) ARE NOT SHOWN ON
THIS SHEET SHALL BE DONE USING
THE GENERIC TCPs ON THE PRECEEDING
SHEET.

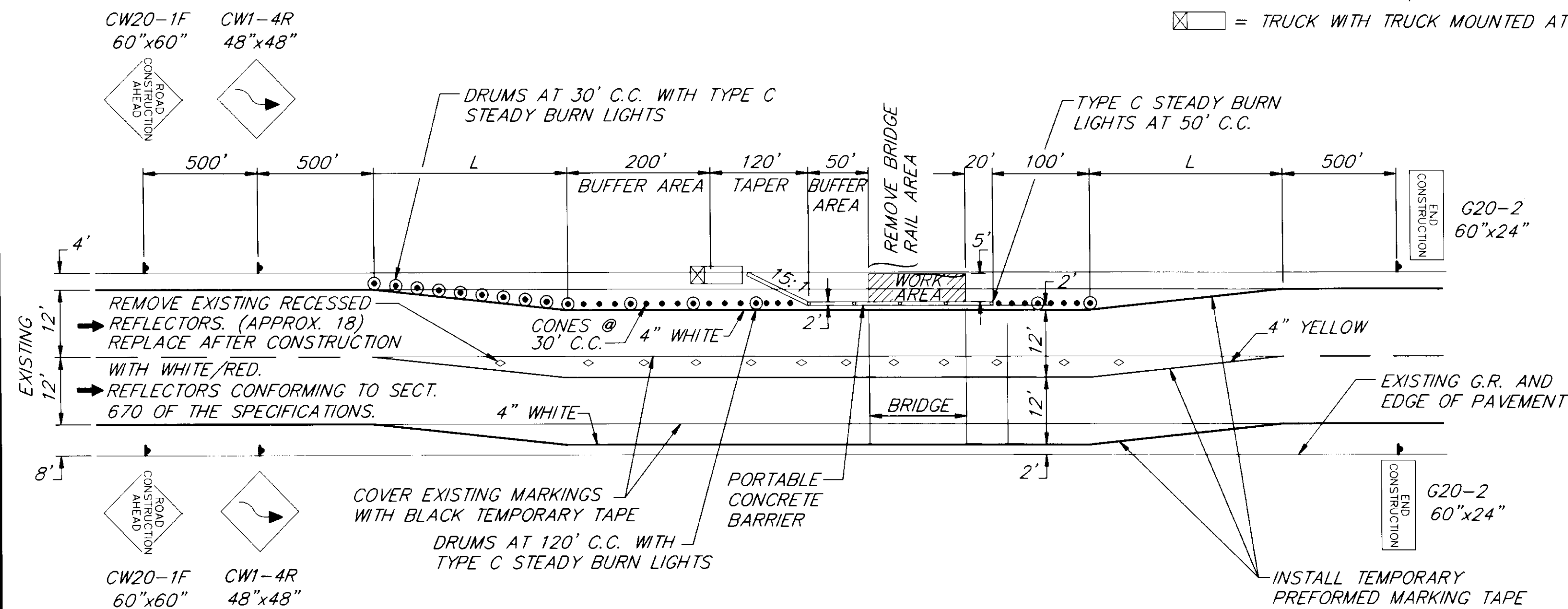
TMA = TRUCK MOUNTED ATTENUATOR.
L = SxW
S = SPEED LIMIT IN MPH
W = WIDTH OF DIVERSION, FT.

☐ = TRUCK WITH TRUCK MOUNTED ATTENUATOR



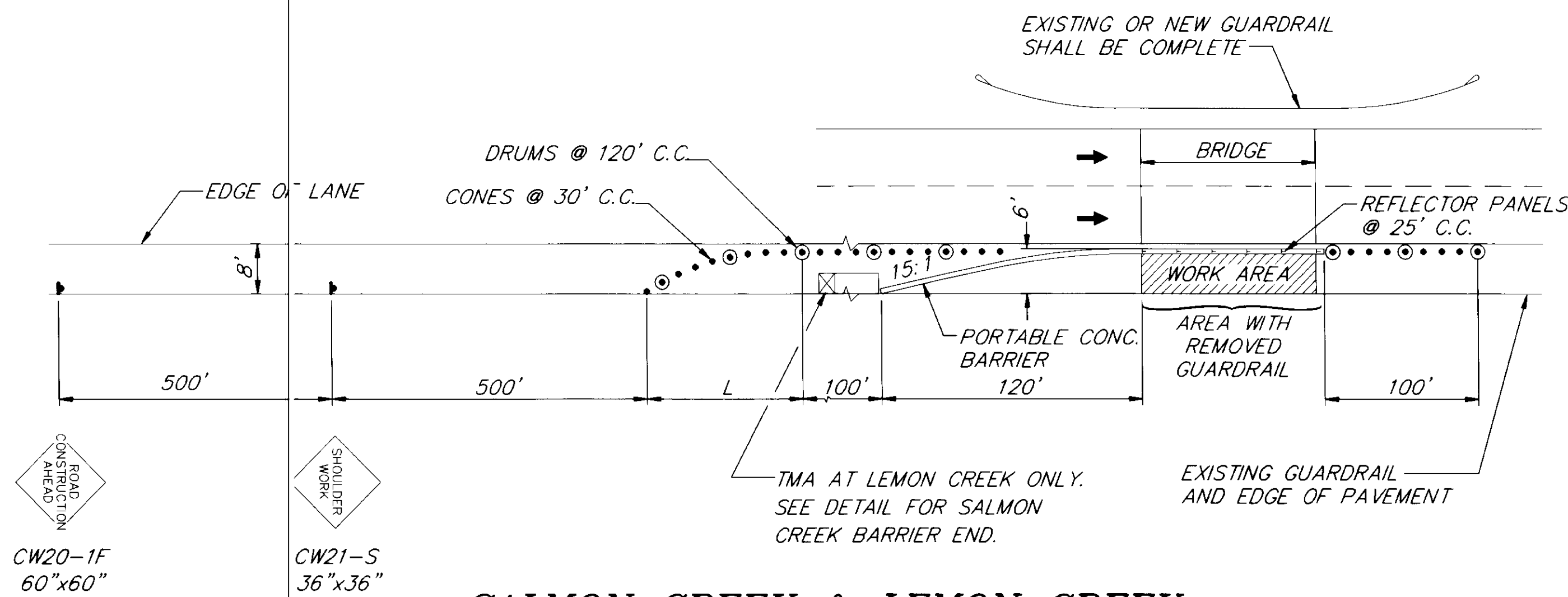
**TRAFFIC CONTROL DETAIL
KOWEE CREEK BRIDGE AND APPROACH RAIL REPLACEMENT**

(TYPICAL BOTH SIDES)



**LEMON CREEK INSIDE BRIDGE RAIL REPLACEMENT
TRAFFIC CONTROL DETAIL**

USE ONE LANE CLOSURE FOR APPROACH
GUARDRAIL REPLACEMENT (TYP. BOTH SIDES).



**SALMON CREEK & LEMON CREEK
OUTSIDE BRIDGE RAIL REPLACEMENT
TRAFFIC CONTROL DETAIL**

USE ONE LANE CLOSURE FOR APPROACH
GUARDRAIL REPLACEMENT (TYP. BOTH SIDES).

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

RECORD OF REVISIONS		
NO.	DATE	DESCRIPTION OF CHANGE

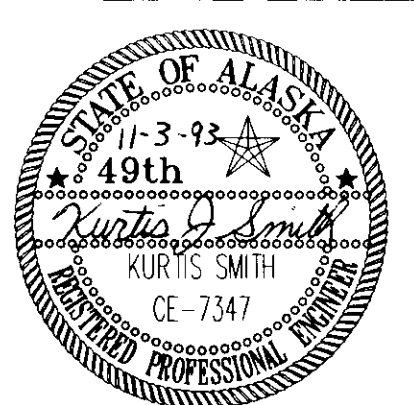
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TRAFFIC CONTROL PLAN

DESIGNED BY: R. PURVES	PROJECT NO. 71366
DRAWN BY: B. ADAMS	DATE: SEPT. 1993
CHECKED BY: K. SMITH	SHEET 19 OF 19



AS-BUILT
BY: B.A. DATE 4-8-96