

AS — BUILT
CONSTRUCTION PLANS FOR
DILLINGHAM AIRPORT

FENCING

PROJECT 58347

1990

AIRPORT IMPROVEMENT PROGRAM

A.I.P. NO. 3-02-0078-05

SPONSORED BY THE STATE OF ALASKA

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
DESIGN AND CONSTRUCTION CENTRAL REGION

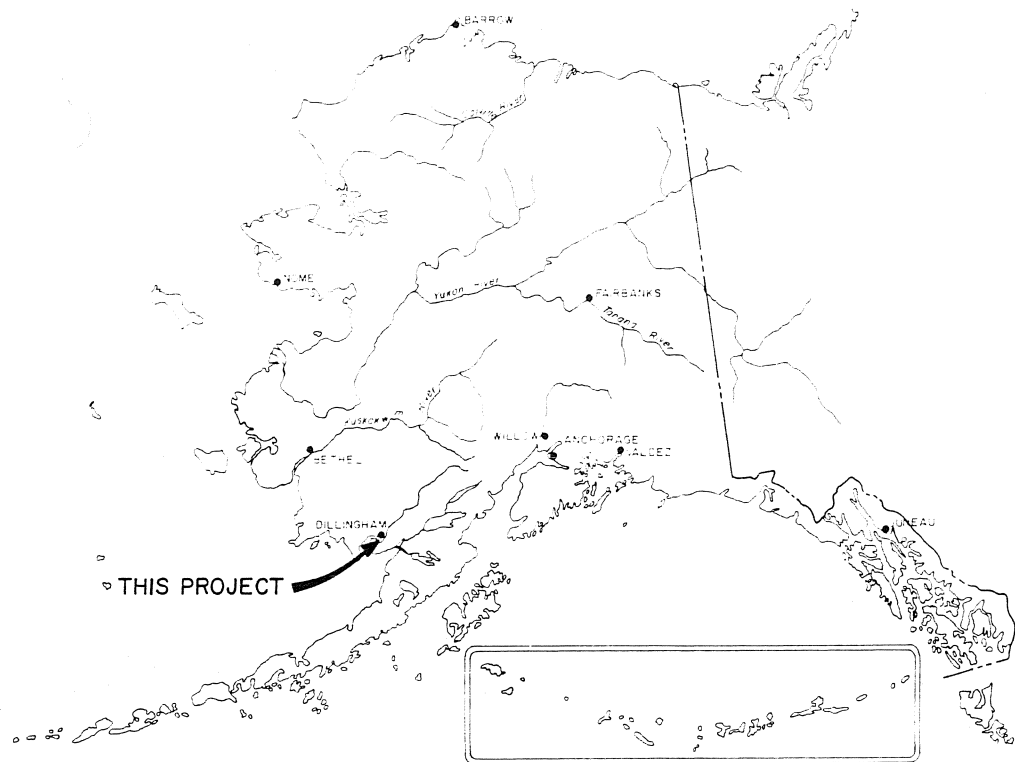
AS-BUILT

APPROVED *Jerome George* DATE 2-25-91
JEROME GEORGE, P.E. CHIEF OF CONSTRUCTION

APPROVED *Keith R. Morberg* DATE 2/26/90
KEITH R. MORBERG, P.E. CHIEF OF DESIGN

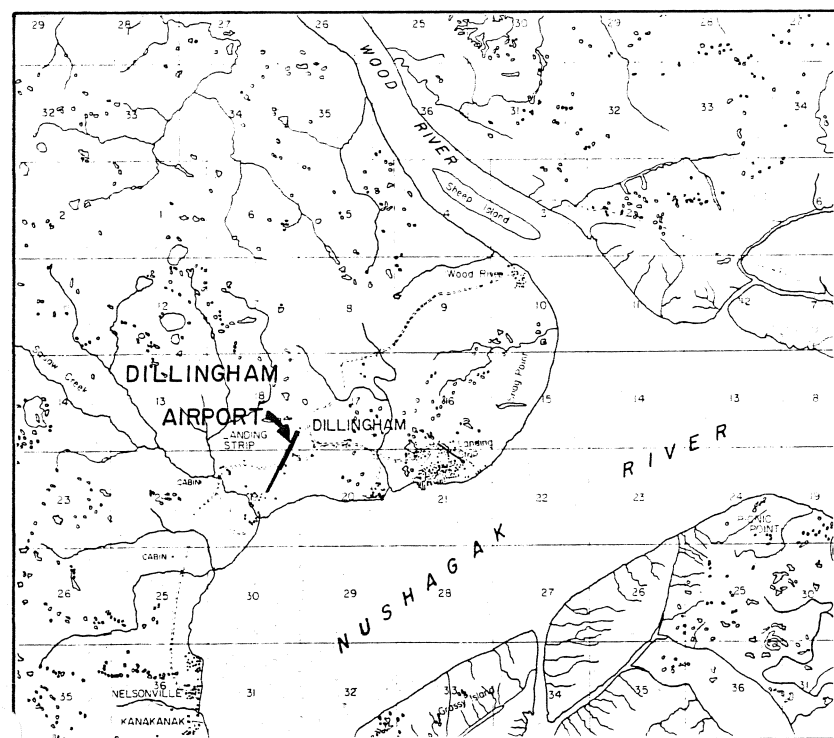
APPROVED *Tommy Gene Heinrich* DATE 3-30-90
TOMMY GENE HEINRICH, P.E. DIRECTOR, DESIGN AND CONSTRUCTION

DILLINGHAM AIRPORT FENCING
SHT. 1 of 9 58347



LOCATION MAP

NO SCALE



VICINITY MAP

SCALE 1"=1 MILE

ESTIMATED QUANTITIES

No.	ITEM	QUANTITY	UNIT
100	MOBILIZATION & DEMOBILIZATION	ALL REQ'D.	L.S.
120 (1)	D.B.E. ADJUSTMENTS	ALL REQ'D.	C.S.
121	CONSTRUCTION SURVEYING	ALL REQ'D.	L.S.
125	ENGINEERING TRANSPORTATION	ALL REQ'D.	L.S.
440a	CHAIN-LINK FENCE	16,806	L.F.
440b	18' CANTILEVER GATE	4	EACH
711b	BOUNDARY SIGNS	113	EACH

INDEX

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	1	AS-BUILT
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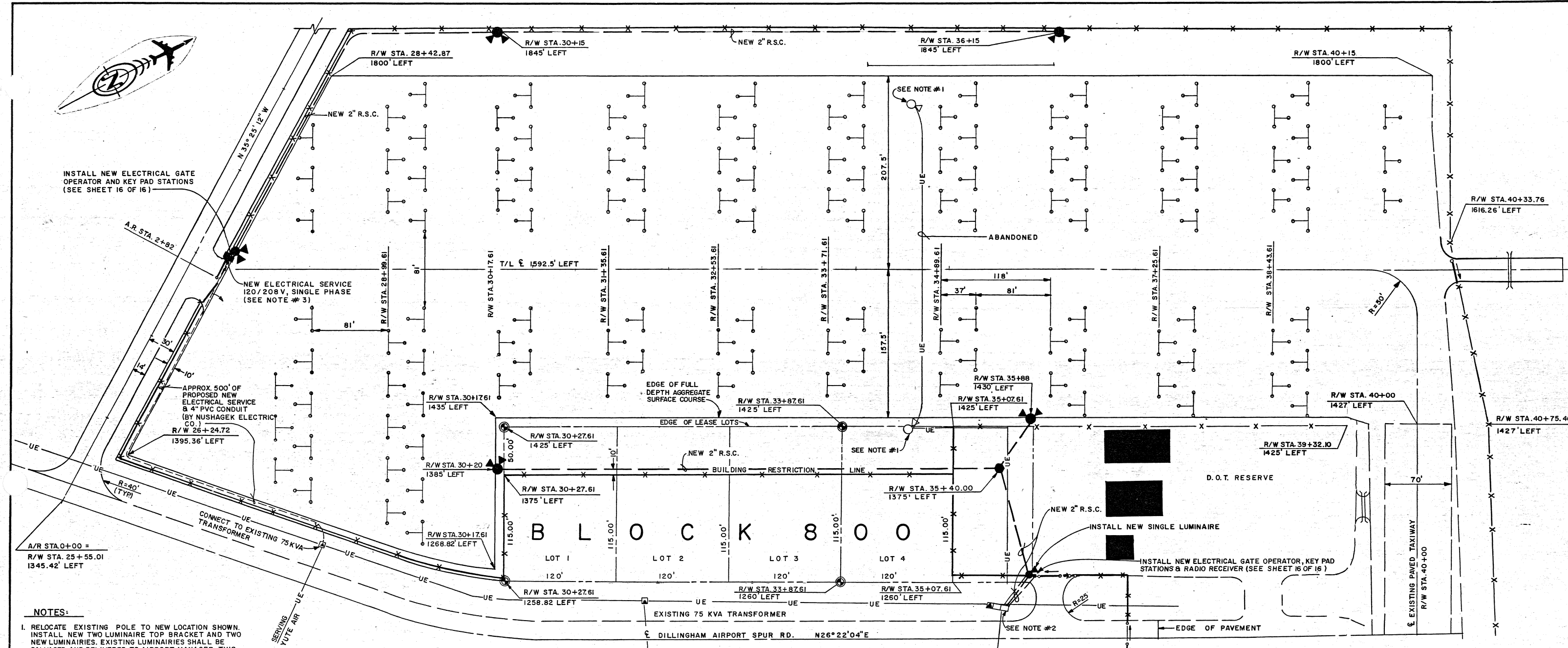
BY			DATE	REVISIONS	SCALE	DESIGNED	CHECKED	DATE	CRAW	PROJECT MANAGER	SHEET 2 OF 9
AS SHOWN			2-25-91	AS-BUILT	AS SHOWN	WILLIAM KOESTER, P.E.	WILLIAM KOESTER, P.E.	3-30-90	COX	WILLIAM KOESTER, P.E.	SHEET 2 OF 9

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DILLINGHAM AIRPORT
58347
A.I.P. No. 3-02-0078-05
LOCATION AND VICINITY MAPS,
ESTIMATED QUANTITIES AND INDEX

APPROVED
STEVE VAN HORN, P.E.
DESIGN GROUP CHIEF

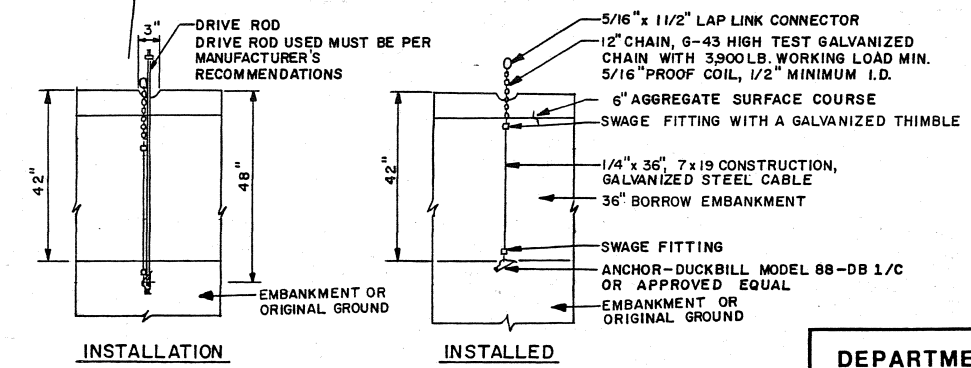
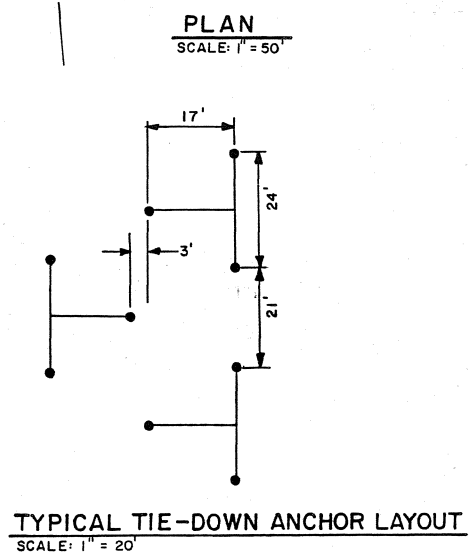
APPROVED
WILLIAM KOESTER, P.E.
PROJECT MANAGER

AS-BUILT 2/91 SHT. 2 OF 9



- NOTES:**
1. RELOCATE EXISTING POLE TO NEW LOCATION SHOWN. INSTALL NEW TWO LUMINAIRE TOP BRACKET AND TWO NEW LUMINAIRES. EXISTING LUMINAIRES SHALL BE SALVAGED AND DELIVERED TO AIRPORT MANAGER. THIS WORK IS INCIDENTAL TO PAY ITEM 1060.
 2. CONNECT NEW RIGID STEEL CONDUITS TO EXISTING STATE APRON LIGHTING CABINET. CONNECT NEW CONDUCTORS TO NEW CIRCUIT BREAKERS IN CABINET.
 3. INSTALL NEW LOAD CENTER WITH COMBINATION METER BASE, 100 AMP MAIN BREAKER, CONTACTOR, PHOTO CELL AND CIRCUIT BREAKER PANEL AS REQUIRED.
 4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY LOCATES.

- LEGEND**
- INSTALL 5/8" x 42" REBAR WITH ALUMINUM CAP 3" BELOW FINISHED GRADE. THIS WORK IS INCIDENTAL TO PAY ITEM 121 (THIS CONTRACT)
 - NEW 2" R.S.C. WITH 2#4 XHHW AND 1#8 BARE COPPER GROUND CONDUCTOR
 - EXISTING UNDERGROUND ELECTRIC
 - EXISTING LUMINAIRES TO BE SALVAGED AND POLES TO BE RELOCATED
 - INSTALL NEW LUMINAIRES
 - EXISTING TRANSFORMER
 - EXISTING CABINETS
 - NEW TYPE I JUNCTION BOX

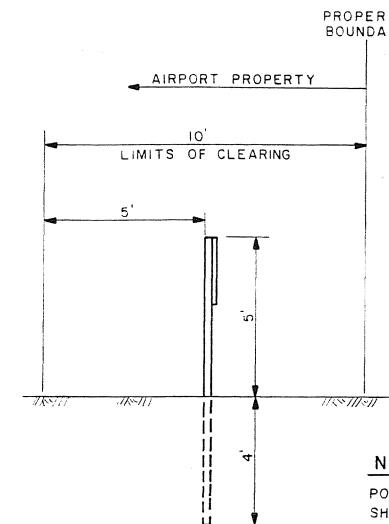
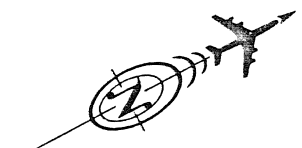


BY		DATE	DESIGNED	CHANGE	SCALE	CHECKED	DATE	SHEET
VAB		1-27-13	AS-BUILT		1" = 50'		6/27/13	10 OF 16
<p>REVISIONS</p>								

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DILLINGHAM AIRPORT
57978
A.I.P. No. 3-02-0078-06
GENERAL AVIATION APRON TIE-DOWN PLAN,
EAST LEASE LOT PLAN & FLOODLIGHTING PLAN



APPROVED: *Steve Van Horn*
STEVE VAN HORN, P.E. DESIGN GROUP CHIEF
APPROVED: *Gregg P. Bradley*
GREGG P. BRADLEY, P.E. PROJECT MANAGER
SCALE: 1" = 50'
CHECKED: *[Signature]*
DATE: 6/27/13

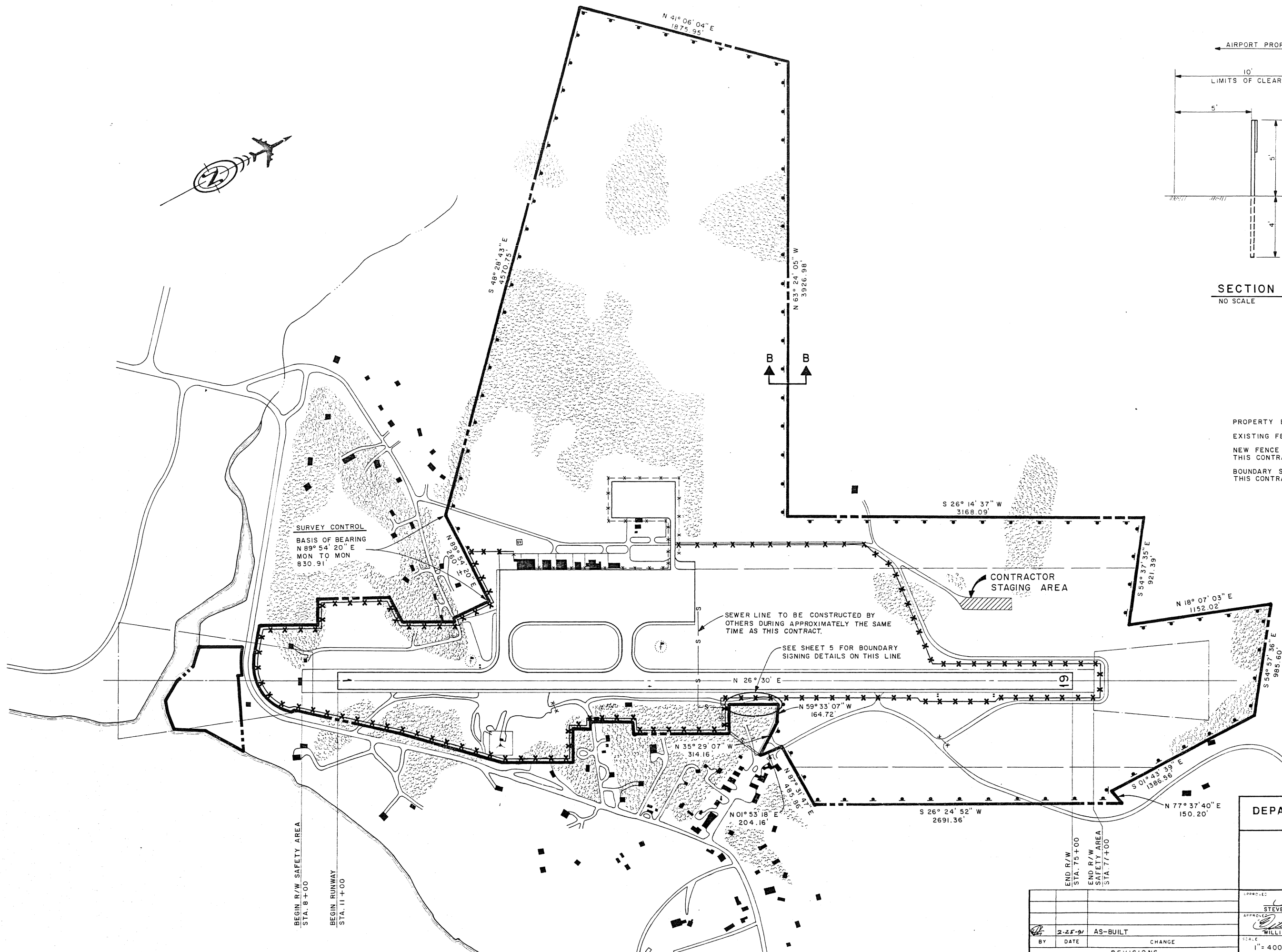


NOTE:
POST MOUNTED BOUNDARY SIGNS
SHALL BE INSTALLED EVERY 200'.
POSTS SHALL BE 1 1/2" SQUARE
GALVANIZED PERFORATED STEEL TUBE.
FASTENING RIVETS SHALL BE COLD
DRIVEN 3/16" Ø CONFORMING TO
ALUMINUM ALLOY 6061-T6, TWO
PER SIGN.

SECTION B-B
NO SCALE

LEGEND

- PROPERTY BOUNDARY ———
- EXISTING FENCE — x — x — x —
- NEW FENCE THIS CONTRACT — x — x — x —
- BOUNDARY SIGNING THIS CONTRACT — — —



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DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

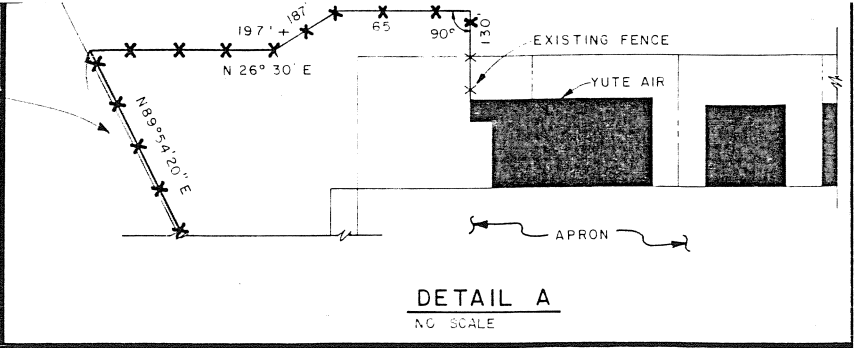
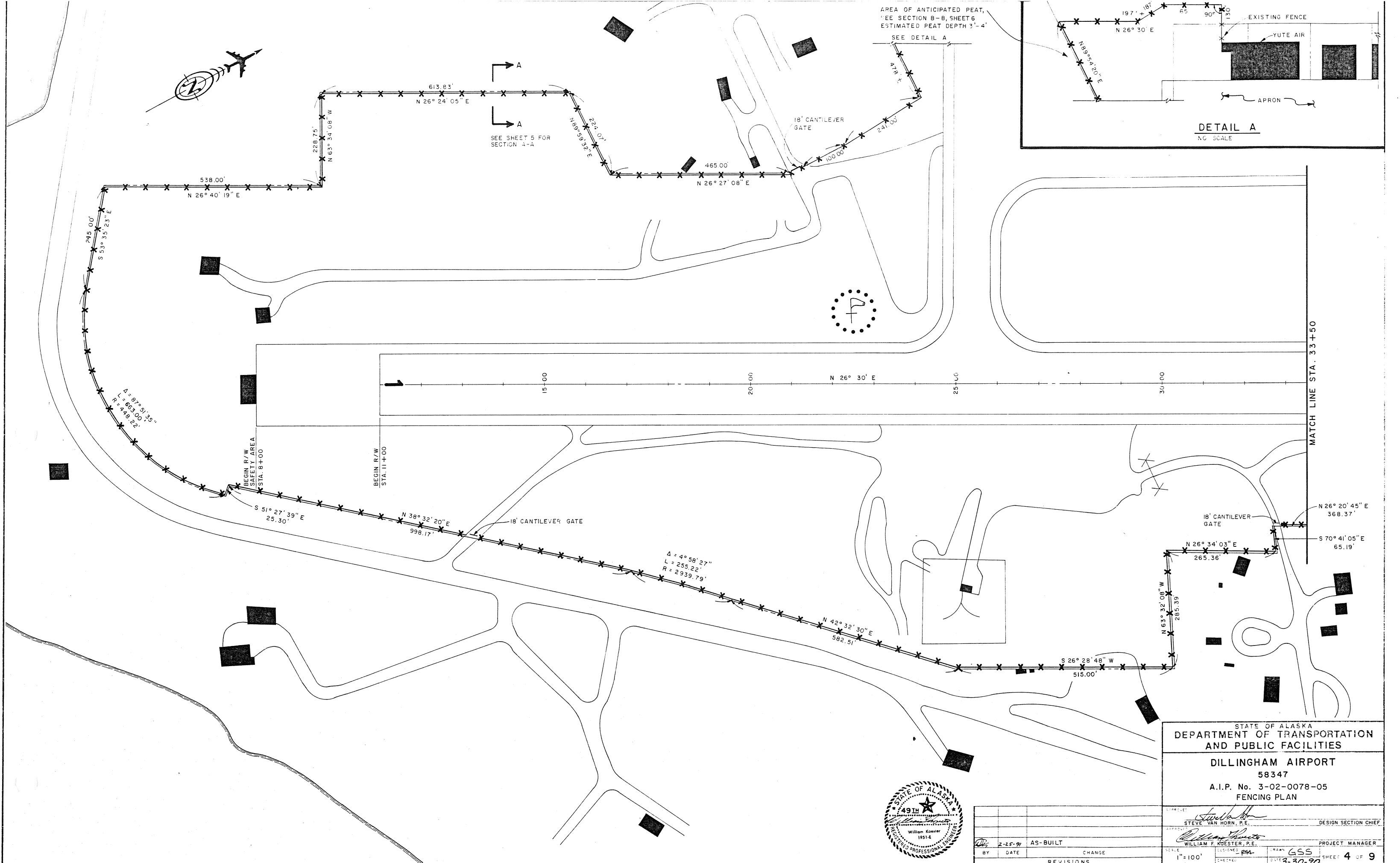
DILLINGHAM AIRPORT

58347

A.I.P. No. 3-02-0078-05
PROJECT LAYOUT PLAN

		APPROVED		DESIGNED		DRAWN		CHECKED		DATE		SHEET		OF		9	
		STEVE VAN HORN, P.E.		WILLIAM F. KOESTER, P.E.		GSS		GSS		3-30-70		3		OF		9	
		DESIGN SECTION CHIEF		PROJECT MANAGER													

BY		DATE		CHANGE		REVISIONS	
2-25-91		AS-BUILT					



AREA OF ANTICIPATED PEAT,
SEE SECTION B-B, SHEET 6
ESTIMATED PEAT DEPTH 3'-4'

SEE DETAIL A

SEE SHEET 5 FOR
SECTION A-A

MATCH LINE STA. 33+50

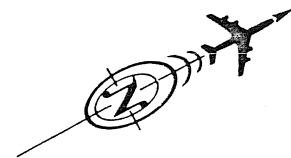
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

DILLINGHAM AIRPORT
58347
A.I.P. No. 3-02-0078-05
FENCING PLAN



BY	DATE	REVISIONS
2-25-91	AS-BUILT	

DESIGNED	WILLIAM F. KOESTER, P.E.	PROJECT MANAGER
CHECKED	PSA	
DATE	3-30-90	
SHEET	4 OF 9	



EXISTING G/A
TAXIWAY

TIE TO EXISTING FENCE

1437.00'
(EXISTING FENCE TO CORNER)

MATCH LINE STA. 52+00

PROPERTY
BOUNDARY

AIRPORT PROPERTY

LIMITS OF CLEARING

10'

5'

FENCE

SECTION A-A

NO SCALE

MATCH LINE STA. 33+50

35+00

40+00

45+00

50+00

55+00

60+00

MATCH LINE STA. 63+00

50'
N 63° 30' W

N 26° 28' 53" E
388.42'

CEMETERY

BEGIN POST
MOUNTED BOUNDARY SIGNS AT
THIS CORNER, TAKING CARE
NOT TO PLACE ANY SIGNS
IN THE CEMETERY.

NOTE:

REFER TO SHEET 3 FOR THE
REMAINDER OF BOUNDARY SIGNING
DISTANCES AND BEARINGS.

ESTIMATED PEAT DEPTH, 5'

1,677' ± CORNER TO CORNER

ESTIMATED PEAT DEPTH, 8'
18' CANTILEVER GATE

45°

35.4'

VASI

VASI PAD

LEGEND



AREA OF ANTICIPATED PEAT
SEE SECTION B-B, SHEET 6.



STATE OF ALASKA
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FENCING PLAN

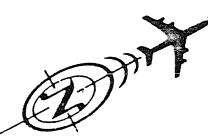
BY	DATE	AS-BUILT	CHANGE	REVISIONS
2-25-91				

APPROVED	DESIGNED	DRAWN	CHECKED	DATE
STEVE VAN HORN, P.E.	WILLIAM F. KOESTER, P.E.	GSS		3-30-92
DESIGN SECTION CHIEF	PROJECT MANAGER			

AS-BUILT

2/91

SHT. 5 OF 9



MATCH LINE STA. 52+00

SEE SHEET 5
FOR SECTION A-A

ABANDONED ILS SITE

CONTRACTOR STAGING AREA

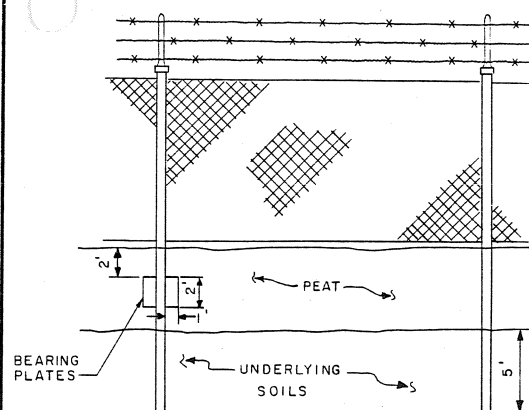
ESTIMATED
PEAT
DEPTH, 8'

LEGEND

 AREA OF ANTICIPATED PEAT.
SEE SECTION B-B, THIS SHEET.

ESTIMATED PEAT DEPTH, 12'

ESTIMATED PEAT DEPTH, 14'



SECTION B-B

DEEP PEAT FENCE INSTALLATION

NO SCALE

1. SURFACE OF PEAT MUST BE FROZEN BEFORE TRAVERSING WITH TRACKED VEHICLES.
2. DRIVE POST 5' INTO SOILS UNDERLYING PEAT.
3. USE 1'x2' A36 STEEL PLATES BUTT WELDED BOTH SIDES FOR BEARING PLATES WHERE PEAT DEPTH EXCEEDS 10'.
4. USE 4" Ø POST FOR ALL CORNER POSTS, ALL PULL POST, AND ALL GATE POSTS SET IN PEAT. USE 4 BEARING PLATES SET AT 90° FOR ALL CORNER POSTS AND ALL PULL POSTS.
5. ALL WELDS SHALL BE PAINTED WITH GALVANIZING MATERIAL.

MATCH LINE STA. 63+00

680' ± CORNER TO CORNER
ESTIMATED PEAT DEPTH, 8'

STA. 68+50

VASI PAD
VASI PAD

932' ± CORNER TO CORNER

19

STATE OF ALASKA
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FENCING PLAN

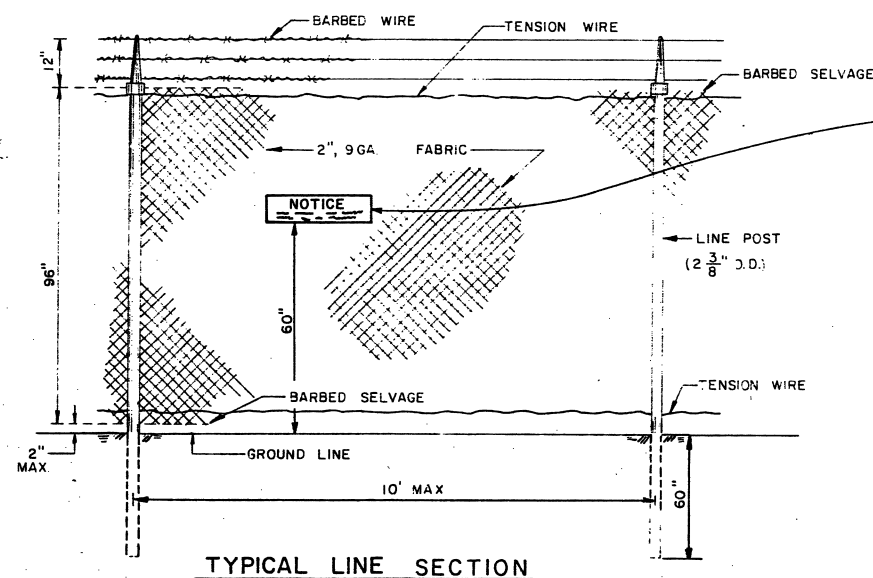
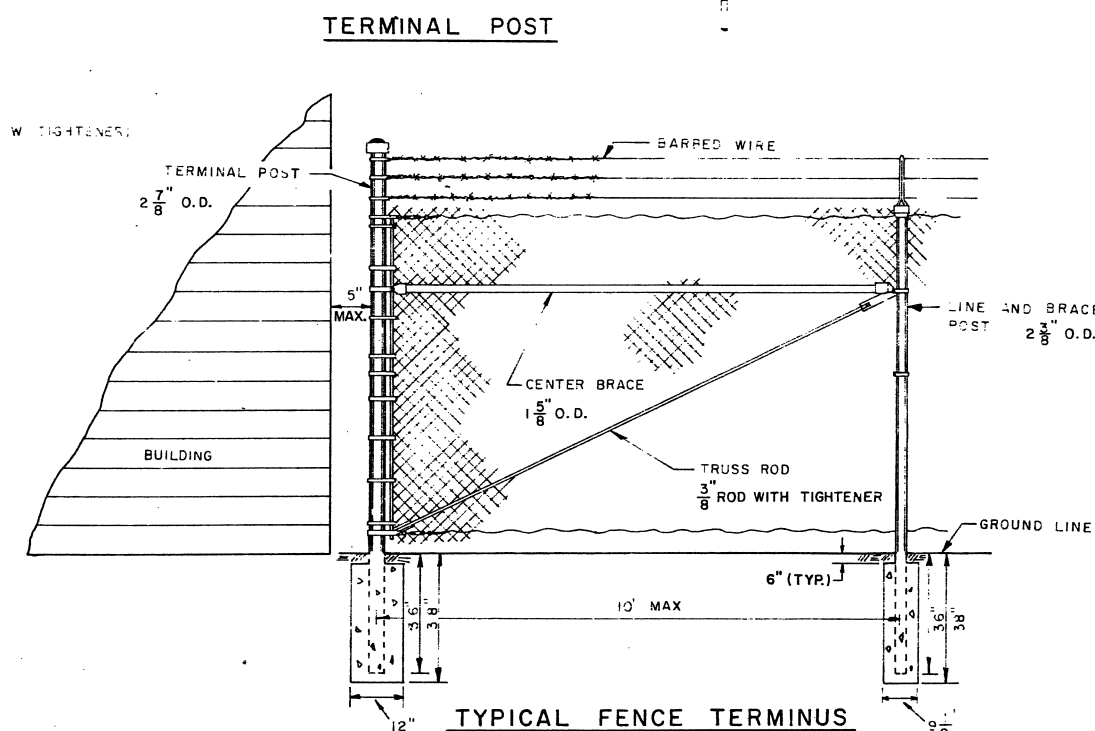
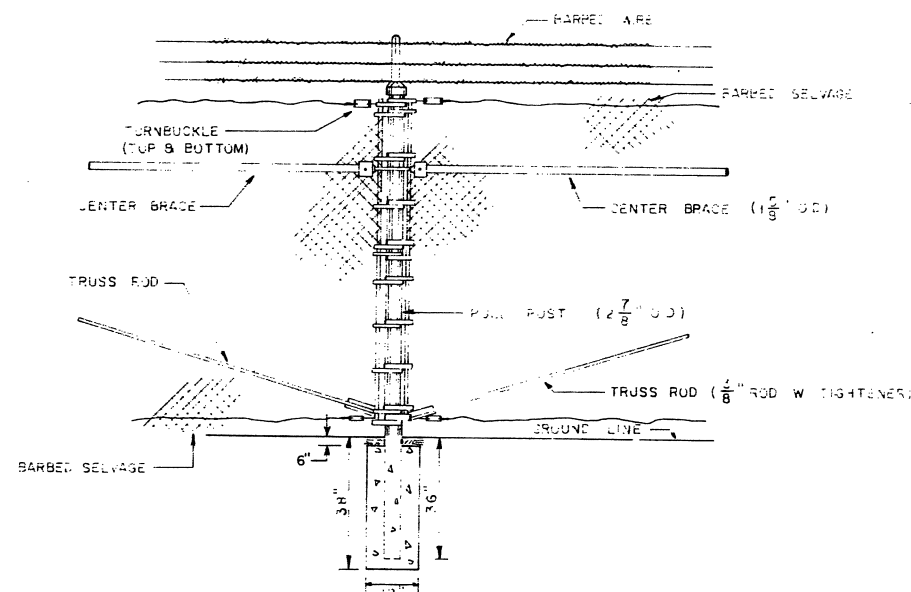
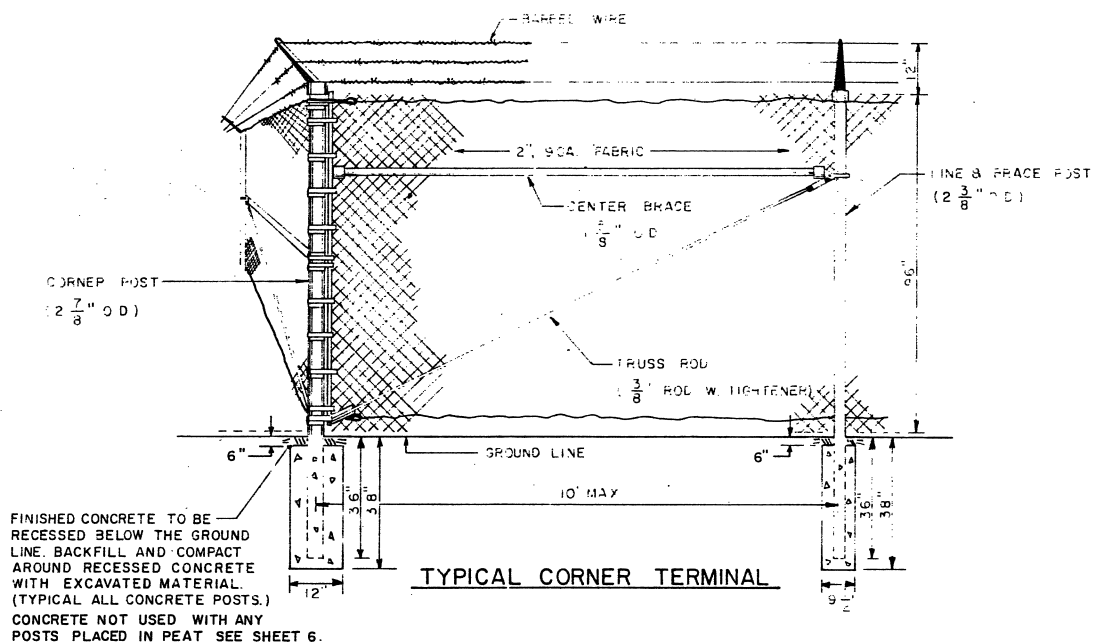
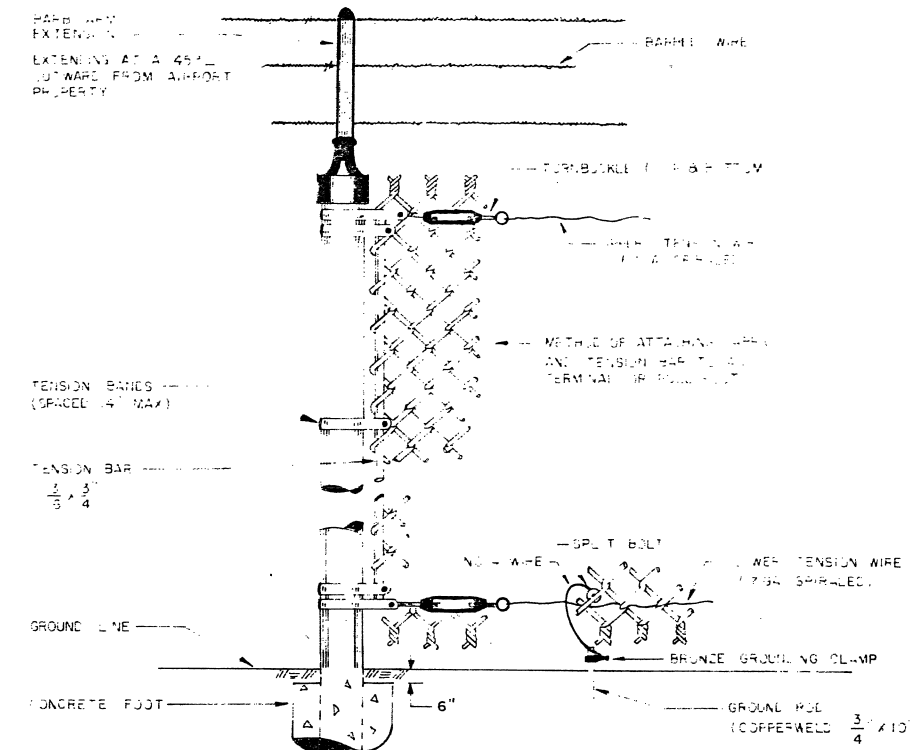
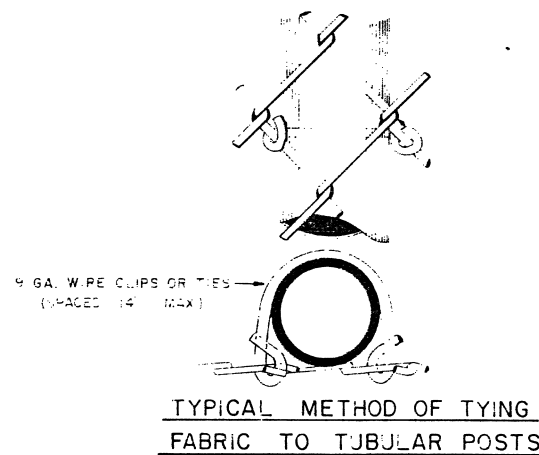
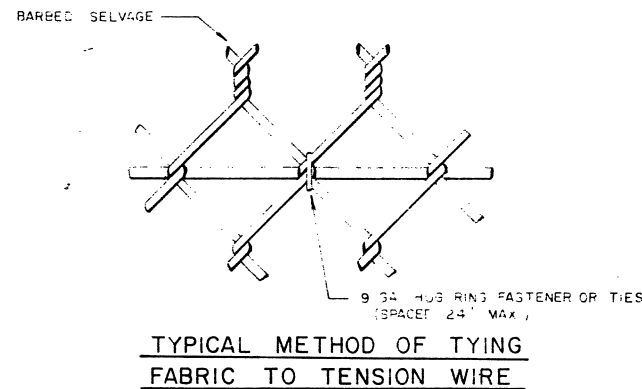
APPROVED	<i>Steve Van Horn</i>	DESIGN SECTION CHIEF
APPROVED	<i>William F. Koester</i>	PROJECT MANAGER
SCALE	1"=100'	CHECKED
DESIGNED	PSA	DRAWN
DATE	3-30-90	SHEET 6 OF 9

BY	DATE	CHANGE	REVISIONS
2-25-91	AS-BUILT		

AS-BUILT

2/91

SHT. 6 OF 9



NOTICE
AIRPORT PROPERTY--NO TRESPASSING
VIOLATORS WILL BE PROSECUTED

TYPICAL BOUNDARY SIGN

- NOTES:**
1. INSTALL FENCE MOUNTED SIGNS EVERY 300' ON FENCE.
 2. INSTALL POST MOUNTED SIGNS EVERY 200'.
 3. INSTALL BOUNDARY SIGNS ON FENCE ONLY WHERE FENCE FOLLOWS PROPERTY BOUNDARY.
 4. SEE SHT. 9 FOR DIMENSIONS.



STATE OF ALASKA
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DILLINGHAM AIRPORT
58347
A.I.P. No. 3-02-0078-05
CHAIN-LINK FENCE DETAILS

BY	DATE	AS-BUILT	CHANGE	REVISIONS	DESIGNED	CHECKED	ORGAN	DATE	SHEET
					STEVE VAN HORN, P.E.				7 OF 9
					WILLIAM KOESTER, P.E.			3-30-90	

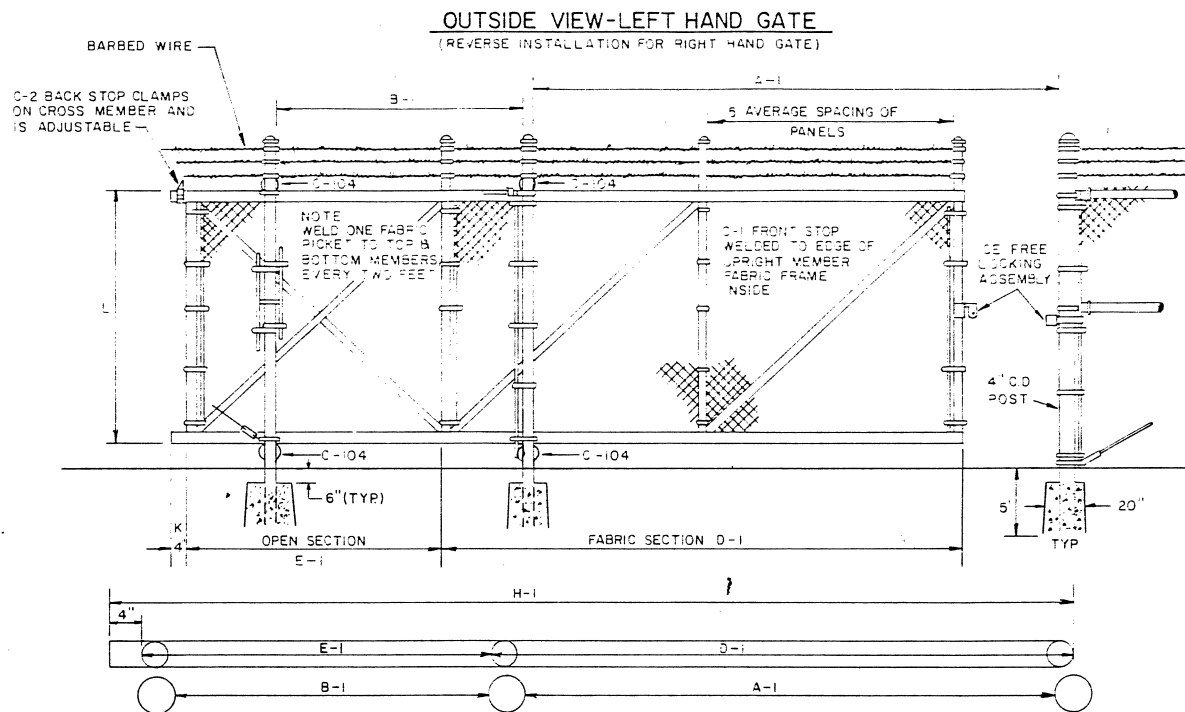
CHART # 1
SPECIFICATIONS FOR SINGLE GATES

A-I	B-I	H-I	D-I	E-I	K
SINGLE GATE OPENING	ROLLER POST SPACING	OVER ALL LENGTH 2 1/2" O.D. TOP AND BOTTOM	FABRIC SECTION OF FRAME	OPEN SECTION OF FRAME	EXTENSION OF FRAME
6'-0"	4'-0"	11'-2"	6'-6"	4'-4"	4"
8'-0"	4'-0"	13'-2"	8'-6"	4'-4"	4"
10'-0"	5'-0"	16'-2"	10'-6"	5'-4"	4"
12'-0"	6'-0"	19'-2"	12'-6"	6'-4"	4"
14'-0"	7'-0"	22'-2"	14'-6"	7'-4"	4"
16'-0"	8'-0"	25'-2"	16'-6"	8'-4"	4"
18'-0"	9'-0"	28'-2"	18'-6"	9'-4"	4"
20'-0"	10'-0"	31'-2"	20'-6"	10'-4"	4"
24'-0"	12'-6"	36'-2"	24'-6"	12'-4"	4"

CHART # 2
SPECIFICATIONS GATE HEIGHTS

FENCE HEIGHT	F	L	J
	POST HEIGHT TO GRADE	FRAME HEIGHT	LENGTH 2 O.D. UPRIGHTS
6'	7'-6"	5'-5 3/4"	5'-1"
7'	8'-6"	6'-5 3/4"	6'-1"
8'	9'-6"	7'-5 3/4"	7'-1"
9'	10'-6"	8'-5 3/4"	8'-1"
10'	11'-6"	9'-5 3/4"	9'-1"
12'	13'-6"	11'-5 3/4"	11'-1"

NOTE:
ALL GATES INSTALLED UNDER THIS CONTRACT SHALL BE 8 FT. IN HEIGHT.

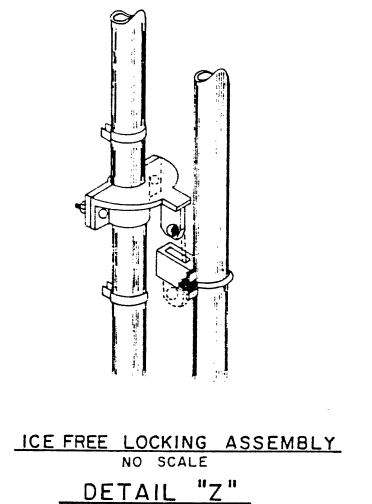
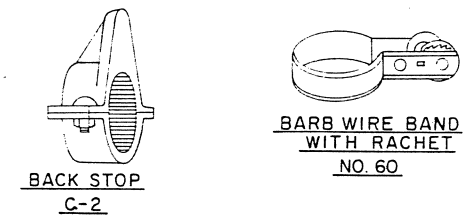
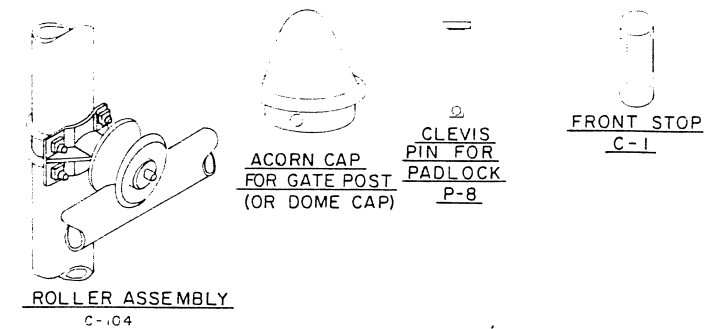
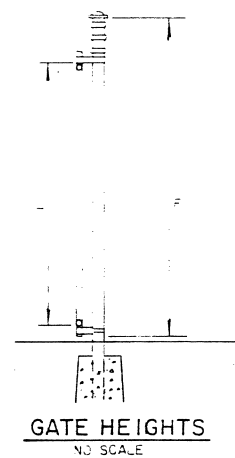
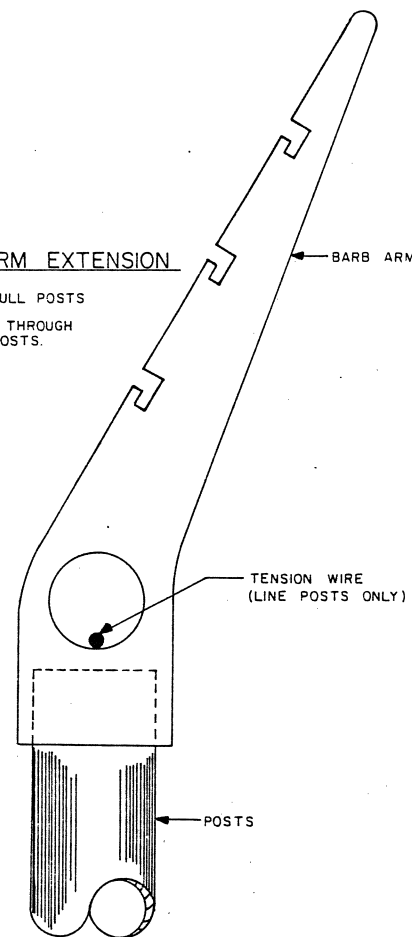


SPECIFICATIONS OF GATE FRAMES:
TOP AND BOTTOM MEMBERS - 2 1/2" O.D. PIPE
UPRIGHT MEMBERS - 2" O.D. PIPE
HORIZONTAL AND DIAGONAL BRADS 1 5/8" O.D. PIPE
GATE FRAME MEMBERS SHALL BE SCHEDULE 40 PIPE

TYPICAL CANTILEVER GATE
NO SCALE

TYPICAL EYE-TOP BARB-ARM EXTENSION

1. TYPICAL TOP FOR ALL LINE & PULL POSTS
2. TENSION WIRE TO BE THREADED THROUGH EYE-TOP, AS SHOWN, ON ALL POSTS.



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GATE DETAILS

APPROVED	STEVE VAN HORN, P.E.	DESIGN GROUP CHIEF
APPROVED	WILLIAM KOESTER, P.E.	PROJECT MANAGER
BY	DATE	AS-BUILT
DESIGNED	DATE	CHECKED
NO SCALE	DATE	3-30-90
REVISIONS		

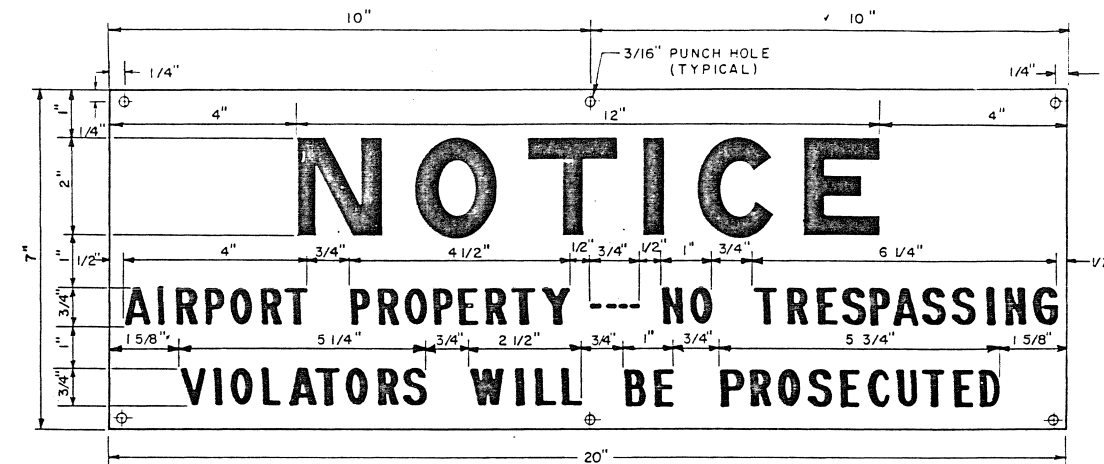


"STOP" SIGN PLATE DETAIL

NO SCALE

NOTES

1. "STOP" SIGN PLATES SHALL HAVE WHITE REFLECTIVE SHEETING BACKGROUND WITH RED LETTERING.
2. "STOP" SIGN PLATES SHALL BE PLACED IN CENTER OF ALL CANTILEVER GATES INSTALLED UNDER THIS CONTRACT.



BOUNDARY SIGN PLATE DETAIL

NO SCALE

NOTE:

HARDWARE USED TO MOUNT BOUNDARY SIGN TO FENCE SHALL CONFORM TO SECTION 440.2.8, "MISCELLANEOUS FITTINGS AND HARDWARE".



STATE OF ALASKA
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A.I.P. No. 3-02-0078-05
SIGN DETAILS

			APPROVED <i>Steve Van Horn</i> STEVE VAN HORN, P.E. DESIGN SECTION CHIEF		
			APPROVED <i>William F. Koester</i> WILLIAM F. KOESTER, P.E. PROJECT MANAGER		
BY	DATE	CHANGE	SCALE	DESIGNED <i>BA</i>	DRAWN <i>BA</i>
REVISIONS			CHECKED	DATE <i>3-30-90</i>	SHEET 9 OF 9

AS-BUILT

2/91

SHT. 9 OF 9