

CONSTRUCTION PLANS FOR
DILLINGHAM AIRPORT
PAVING IMPROVEMENTS

53977

AIRPORT IMPROVEMENT PROGRAM

A.I.P. No. 3-02-0078-02

SPONSORED BY THE STATE OF ALASKA

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION and PUBLIC FACILITIES
DESIGN & CONSTRUCTION CENTRAL REGION

AS BUILT

APPROVED *Jerome R. George* DATE 8-22-88
JEROME R. GEORGE, P.E. CHIEF OF CONSTRUCTION

APPROVED *Keith R. Morberg* DATE 4/23/86
KEITH R. MORBERG, P.E. CHIEF OF DESIGN

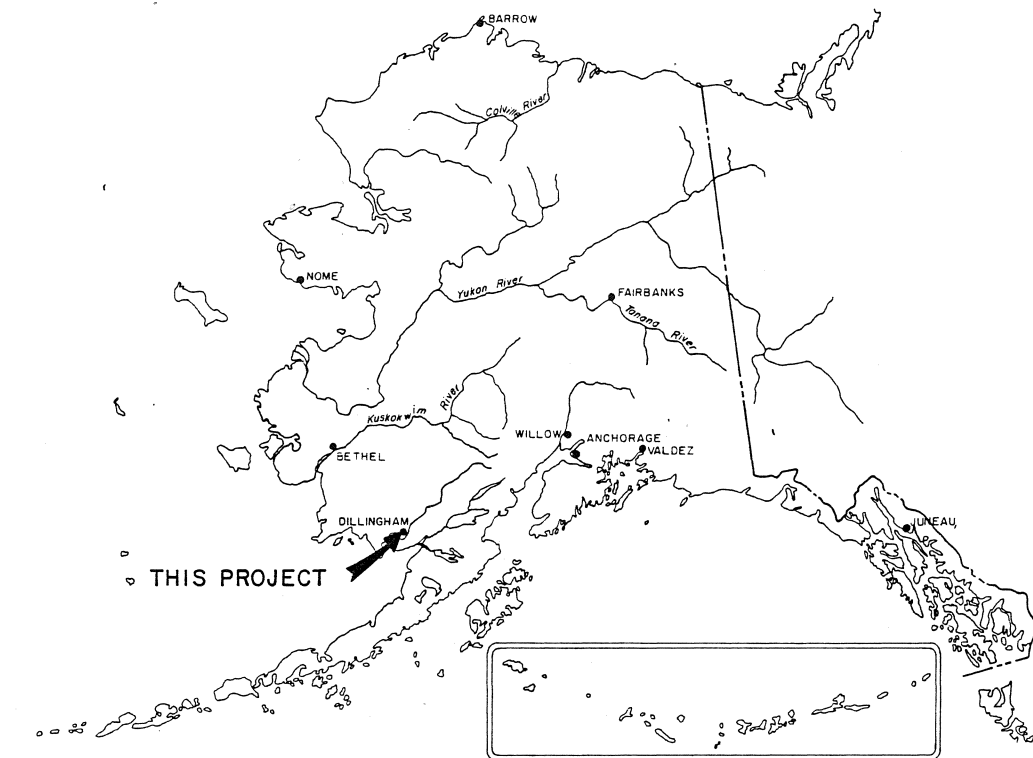
APPROVED *Tommy Gene Heinrich* DATE 4-24-86
TOMMY GENE HEINRICH, P.E. DIRECTOR

DILLINGHAM AIRPORT
SHT. 1 OF 10 53977

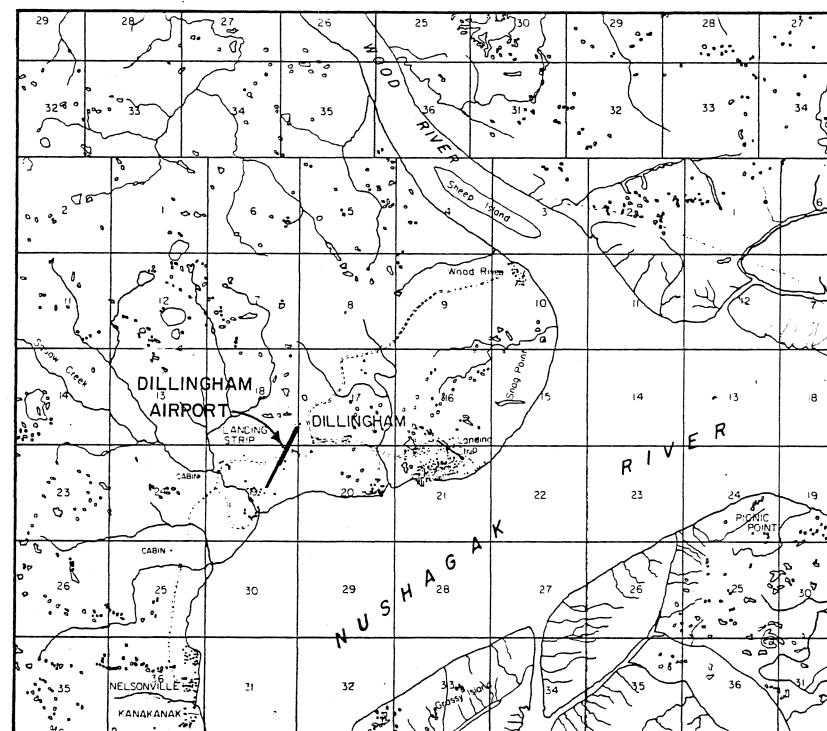
AS BUILT 8-88

SHEET 1 OF 12

MICROFILMED
JUL 1989
Department of Transportation
and Public Facilities



LOCATION MAP
NO SCALE



VICINITY MAP
SCALE 1"=1 MILE

ESTIMATED QUANTITIES

No.	ITEM	QUANTITY	UNIT
90	MBE & WBE ADJUSTMENT	ALL REQ'D	C. S.
100	MOBILIZATION & DEMOBILIZATION	ALL REQ'D	L. S.
121	CONSTRUCTION SURVEYING BY THE CONTRACTOR	ALL REQ'D	L. S.
130	ENGINEER'S FIELD OFFICE WITH LABORATORY	ALL REQ'D	L. S.
270	SURFACE PREPARATION	132,417	S.Y.
280	PAVEMENT GROOVING	92,358	S.Y.
330a	UNCLASSIFIED EXCAVATION	0	C.Y.
400	CORRUGATED METAL PIPE	578	L.F.
402	DROP INLETS	3	EACH
410	CULVERT THAW PIPE	589	L.F.
510a	CRUSHED AGGREGATE BASE COURSE	27,345	TON
610	BITUMINOUS TACK COAT	26.3	TON
660a	ASPHALT CONCRETE	39,839	TON
660c	ASPHALT CEMENT AC-5	2,226	TON
700b	OIL BASE PAINT	ALL REQ'D	L.S.
830	TIE DOWN ANCHORS	163	EACH
1,000r	SINGLE FACED TAXIWAY GUIDANCE GUIDANCE SIGN	2	EACH
1,000u	TRENCH, CONDUIT & CABLE	27	L.F.
1,000v	TEMPORARY RUNWAY LIGHTING AND MARKING SYSTEM	ALL REQ'D	L.S.

SUPPLEMENTAL AGREEMENT NO. 1

114(1A)	CONTRACTOR SURVEY	25	HRS.
115(1A)	BARRICADES, TYPE III	0	EACH
201(2B)	CLEARING & GRUBBING	ALL REQ'D	L.S.
203(5B)	BORROW, TYPE A	8,097	TON
207(3)	GEOTEXTILE	916	S.Y.
603(1)	18" C.S.P.	140	L.F.

SUPPLEMENTAL AGREEMENT NO. 2

404	8" D.I.P.
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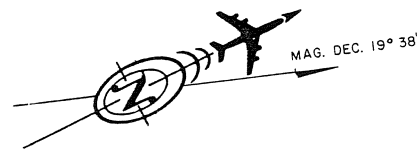
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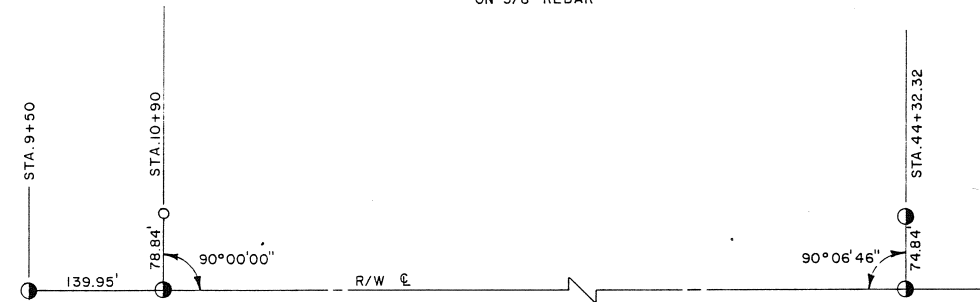
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DILLINGHAM AIRPORT
53977
A.I.P. 3-02-0078-02
LOCATION AND VICINITY MAPS,
ESTIMATED QUANTITIES AND INDEX

APPROVED <i>Brooks H. Wade</i> BROOKS H. WADE, P.E. ASSISTANT DESIGN CHIEF		APPROVED <i>William Koester</i> WILLIAM KOESTER, P.E. PROJECT MANAGER	
BY <i>J.L.A. 8-19-88</i>	DATE	AS BUILT	REVISIONS
SCALE	DESIGNED <i>go</i>	DRAWN <i>RE</i>	CHECKED <i>EAR</i> DATE <i>4-24-86</i>
AS SHOWN			



LEGEND

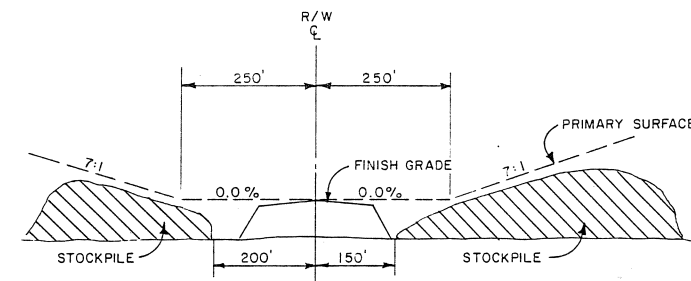
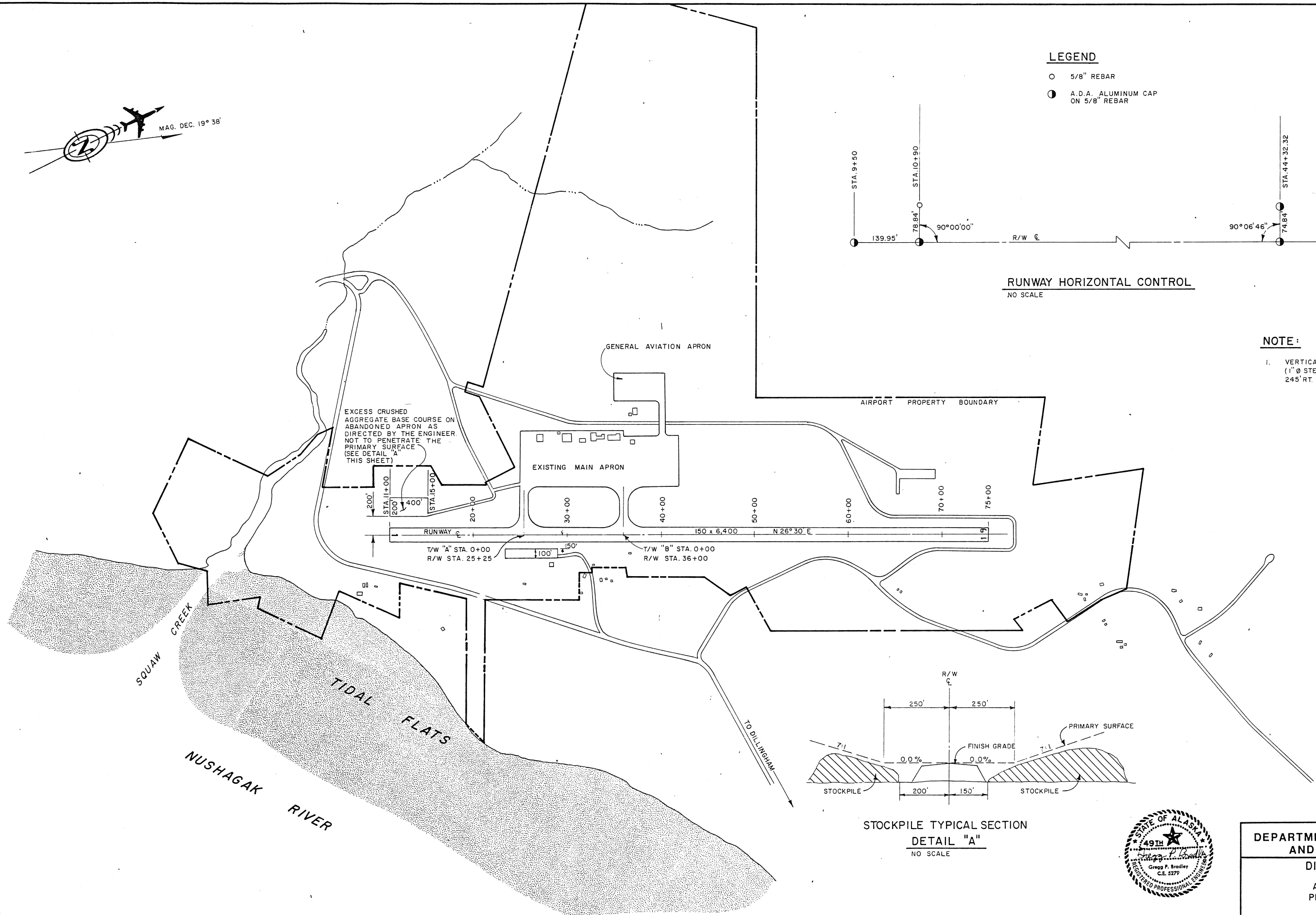
- 5/8" REBAR
- A.D.A. ALUMINUM CAP ON 5/8" REBAR



RUNWAY HORIZONTAL CONTROL
NO SCALE

NOTE:

1. VERTICAL CONTROL TO BE BASED ON B.M. NO.57 (1" Ø STEEL PIPE W/B.C.) LOCATED R/W STA.30+46 245' RT. R/W CL ELEVATION 66.05.



STOCKPILE TYPICAL SECTION
DETAIL "A"
NO SCALE

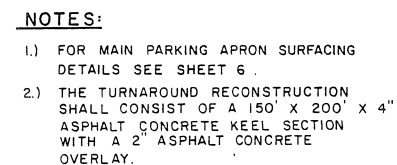
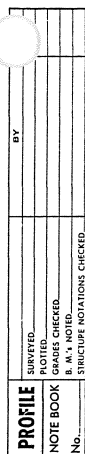


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
DILLINGHAM AIRPORT
53977
A.I.P. 3-02-0078-02
PROJECT LAYOUT PLAN


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JUL 1998


Department of Transportation
and Public Facilities

APPROVED <i>Brooks H. Wade</i> BROOKS H. WADE, P.E.			ASSIST. DESIGN CHIEF		
APPROVED <i>William Koester</i> WILLIAM KOESTER, P.E.			PROJECT MANAGER		
BY <i>LL</i>	DATE <i>8-19-88</i>	AS BUILT	SCALE <i>1" = 500'</i>	DRAWN <i>RE</i>	SHEET 3 OF 10
REVISIONS			CHECKED <i>SA</i>	DATE <i>4-24-86</i>	

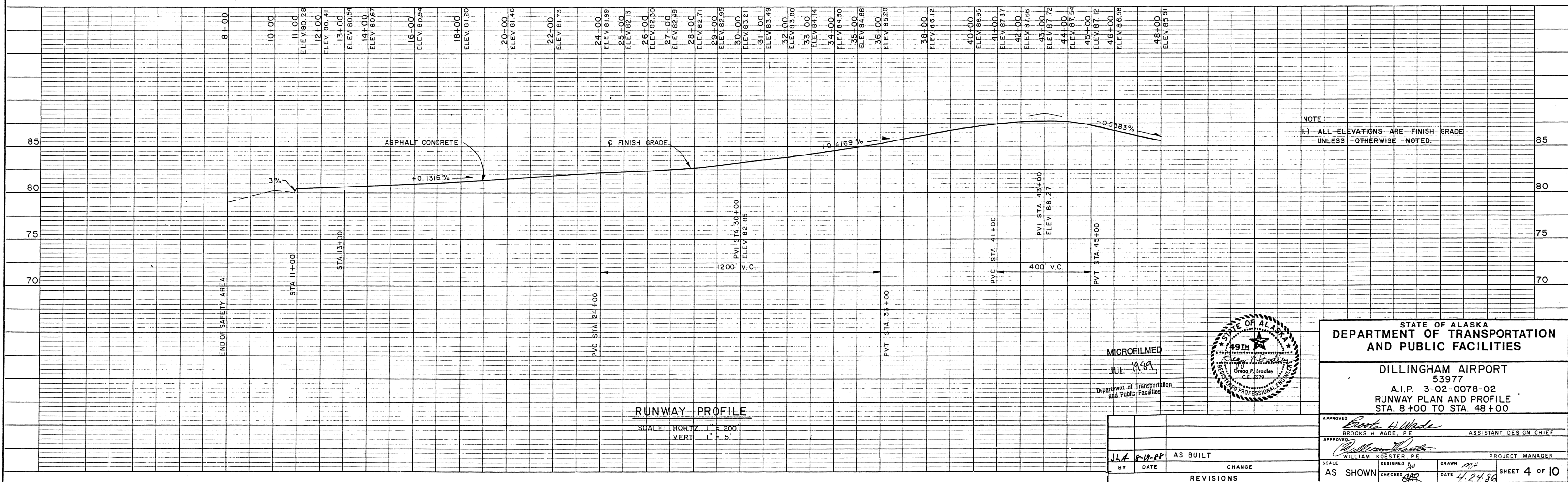


LEGEND:

 AREA TO RECEIVE ASPHALT
CONCRETE THIS CONTRACT

 EXISTING CRUSHED
SURFACE COURSE


RUNWAY PLAN
SCALE 1" = 200'



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

DILLINGHAM AIRPORT
53977
A.I.P. 3-02-0078-02
RUNWAY PLAN AND PROFILE
STA. 8+00 TO STA. 48+00

APPROVED Brooks H. Wade
BROOKS H. WADE, P.E. ASSISTANT DESIGN CHIEF

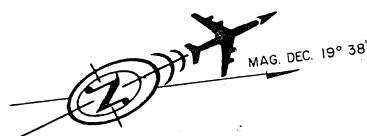
APPROVED 
WILLIAM KOESTER, P.E. PROJECT MANAGER

SCALE	DESIGNED <i>jo</i>	DRAWN <i>mf</i>	SHEET 4 OF 1
AS SHOWN	CHECKED <i>gar</i>	DATE <i>4.24.86</i>	

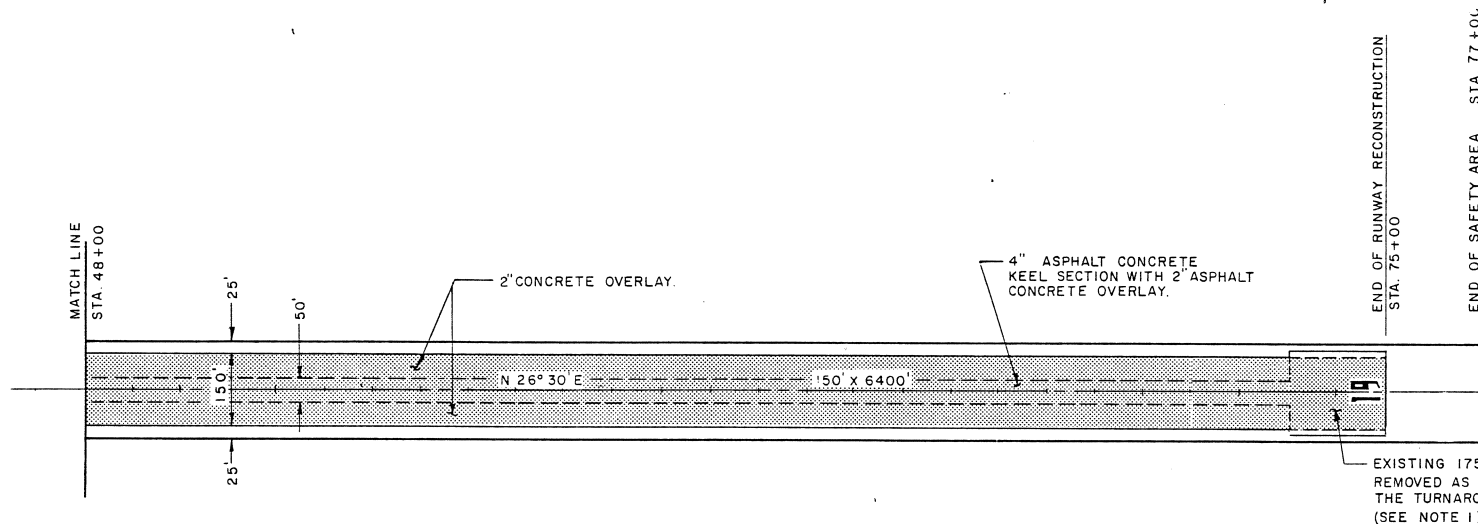
AS BUILT 8-88 SHEET 4 OF 12

BY	DATE
PL	NOTE BOOK
NO.	

BY	DATE
PROFILE	NOTE BOOK
NO.	

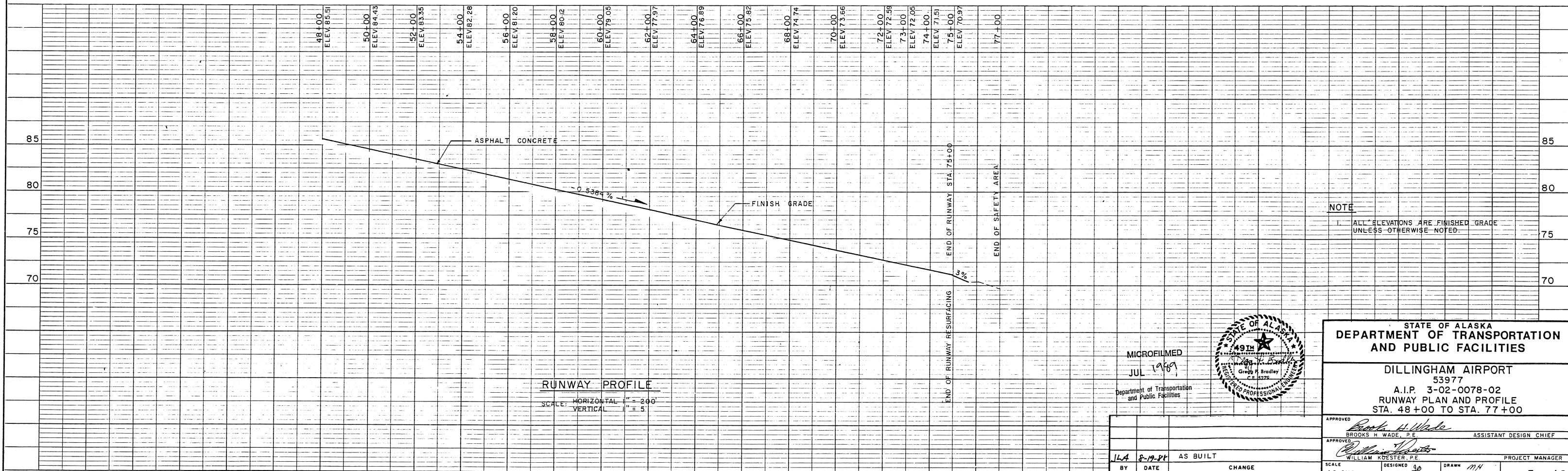


NOTE:
1. THE TURNAROUND RECONSTRUCTION SHALL CONSIST OF A 150' x 200' x 4" ASPHALT CONCRETE KEEL SECTION WITH A 2" ASPHALT CONCRETE OVERLAY.



LEGEND:
AREA TO RECEIVE ASPHALT CONCRETE THIS CONTRACT.

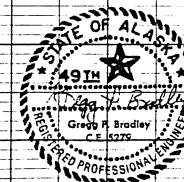
RUNWAY PLAN
SCALE 1" = 200'



RUNWAY PROFILE
SCALE: HORIZONTAL 1" = 200'
VERTICAL 1" = 5'

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JUL 1969

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

DILLINGHAM AIRPORT
53977
A.I.P. 3-02-0078-02
RUNWAY PLAN AND PROFILE
STA. 48+00 TO STA. 77+00

APPROVED: Brooks H. Wade, P.E.
ASSISTANT DESIGN CHIEF

APPROVED: William Koester, P.E.
PROJECT MANAGER

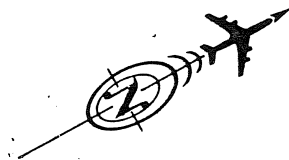
SCALE: AS SHOWN
DESIGNED: 30
CHECKED: 4/24/86
DATE: 4/24/86
SHEET 5 OF 10

BY	DATE	REVISIONS
ILA	8-12-84	AS BUILT

AS BUILT 8-88 SHEET 5 OF 12

NOTES:

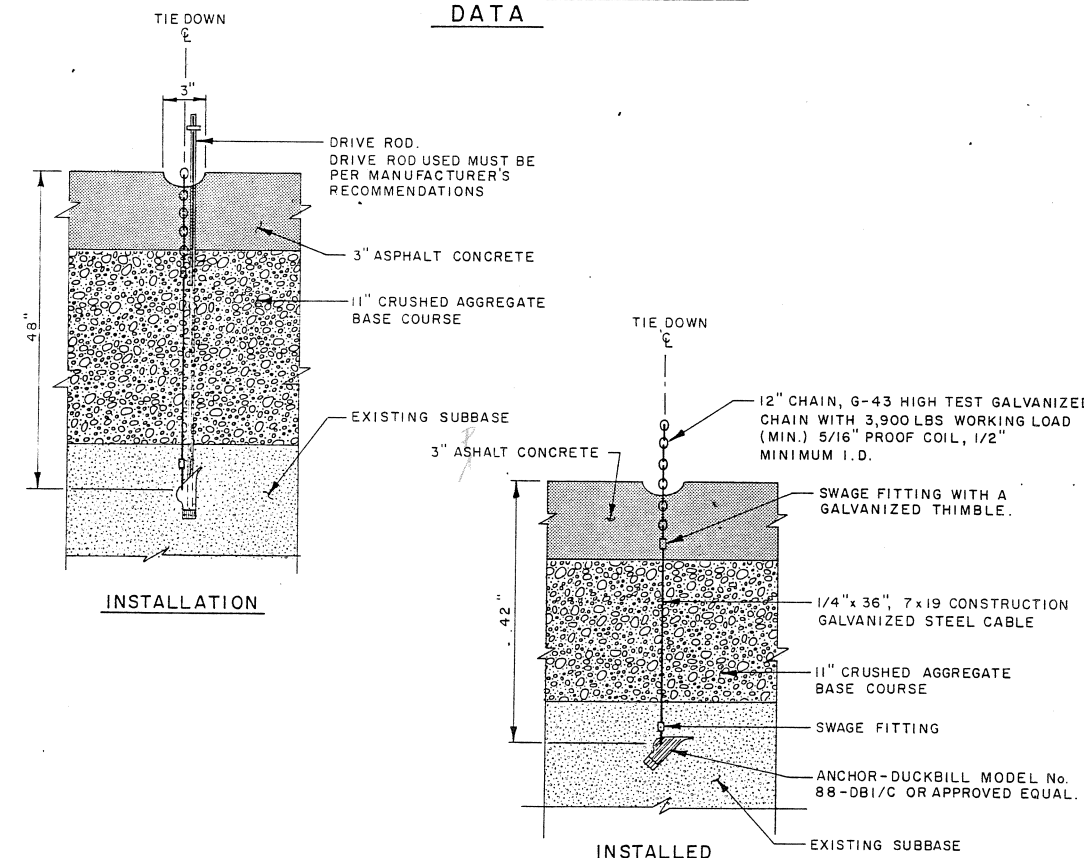
- DROP INLETS SHALL BE PLACED 970' LEFT OF RUNWAY C AT STATIONS 28+15, 31+15 AND 33+85
- ALL EXISTING CONCRETE WITHIN THE WORK AREA SHALL NOT BE DISTURBED. FINISH GRADE SHALL MATCH THE EDGES OF SLABS AS DIRECTED BY THE ENGINEER.
- BST PAVED PORTION OF MAIN APRON BEGINS AT R/W STA. 25+00 AND ENDS AT R/W STA. 38+00. GRAVELED PORTION OF MAIN APRON BEGINS AT R/W STA. 38+00 AND ENDS AT R/W STA. 42+00.



LEGEND

- EXISTING GRAVEL SURFACE (TO REMAIN)
- NEW SURFACING THIS CONTRACT
- EXISTING BUILDINGS

APRON HORIZONTAL AND VERTICAL CONTROL DATA



TYPICAL TIE-DOWN ANCHOR DETAILS NO SCALE

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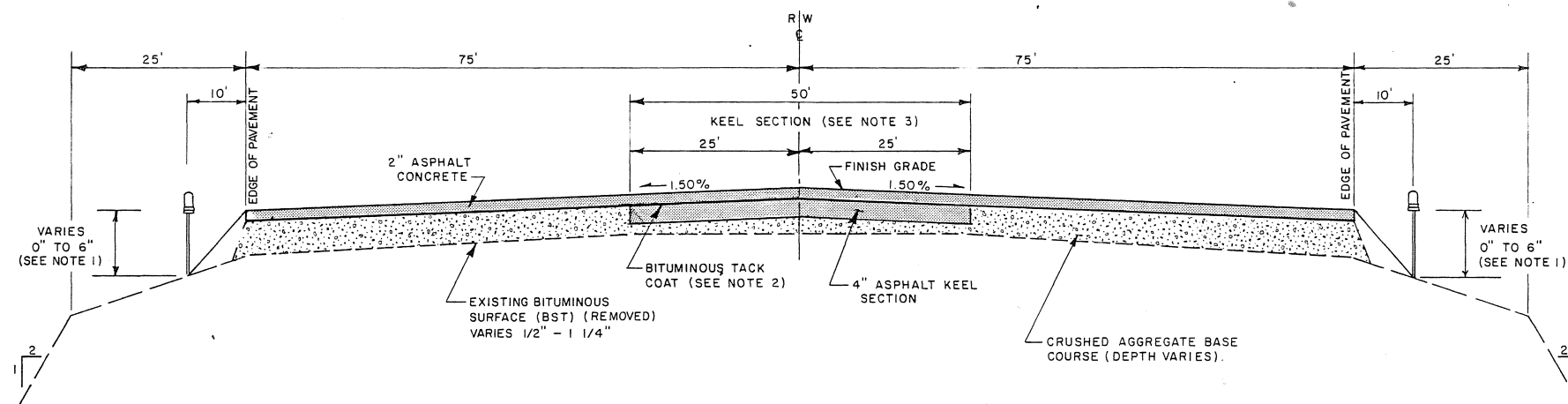
DILLINGHAM AIRPORT

53977

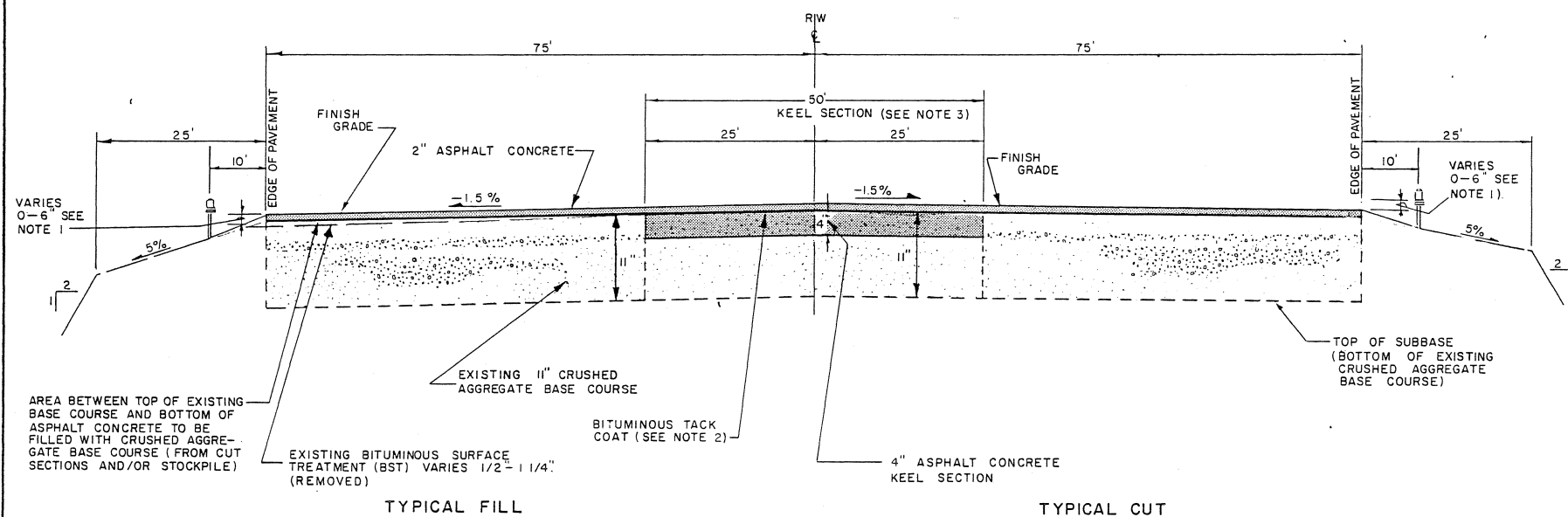
A.I.P. 3-02-0078-02

APRON LAYOUT PLAN AND DETAILS

DESIGNED BY	WILLIAM H. WADE	DESIGNED DATE	4-24-86	PROJECT MANAGER	WILLIAM H. WADE
CHECKED BY	WILLIAM H. WADE	CHECKED DATE	4-24-86	ASSIST. DESIGN CHIEF	BROOKS H. WADE
BY	DATE	CHANGE	REVISIONS	AS BUILT	DATE



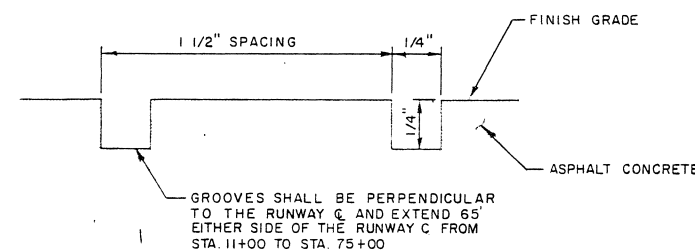
TYPICAL RUNWAY FILL SECTION
NO SCALE



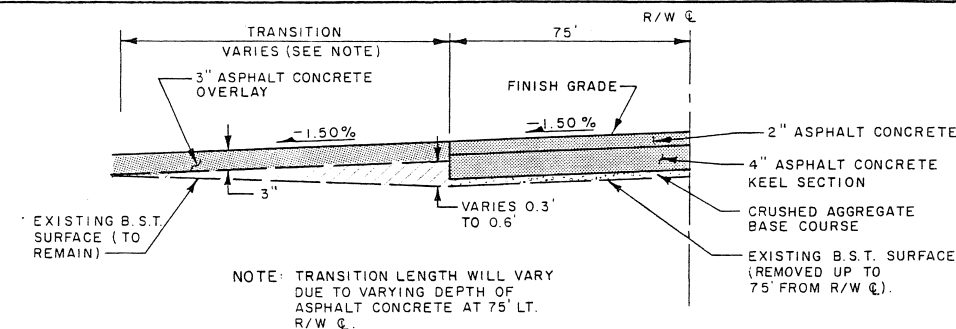
TYPICAL RUNWAY CUT SECTION
NO SCALE

NOTES:

- EXISTING AGGREGATE MATERIAL LOCATED IN THE 10' BETWEEN THE LIGHT LINE AND EDGE OF PAVEMENT AND/OR MATERIAL FROM THE CRUSHED AGGREGATE BASE COURSE STOCKPILE SHALL BE USED TO REGRADE THE 25' SHOULDER SO THAT A 5% SLOPE IS MAINTAINED FROM THE NEW 2" ASPHALT CONCRETE TO THE SHOULDER. THIS WORK SHALL BE INCIDENTAL TO ITEM 270.
- TACK COAT TO BE APPLIED BETWEEN THE FIRST LIFT OF ASPHALT CONCRETE AND THE EXISTING TAXIWAY AND MAIN APRON BST.
- KEEL WIDTH WILL BE 150' (75' EITHER SIDE OF C) FROM STA. 11+00 TO 13+00 AND STA. 73+00 TO 75+00. KEEL SECTION WIDTH LEFT OF RUNWAY C FROM STA. 23+25 TO 27+65 AND FROM STA. 33+80 TO 38+20 WILL BE INCREASED FROM 25' TO 75'.

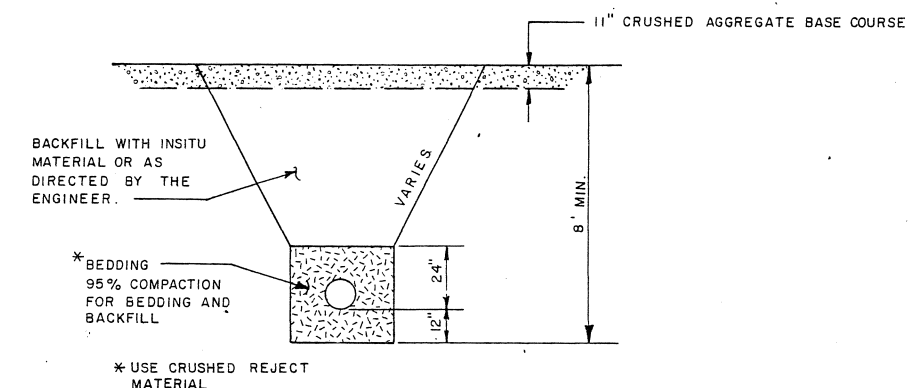


TYPICAL GROOVE SECTION
NO SCALE

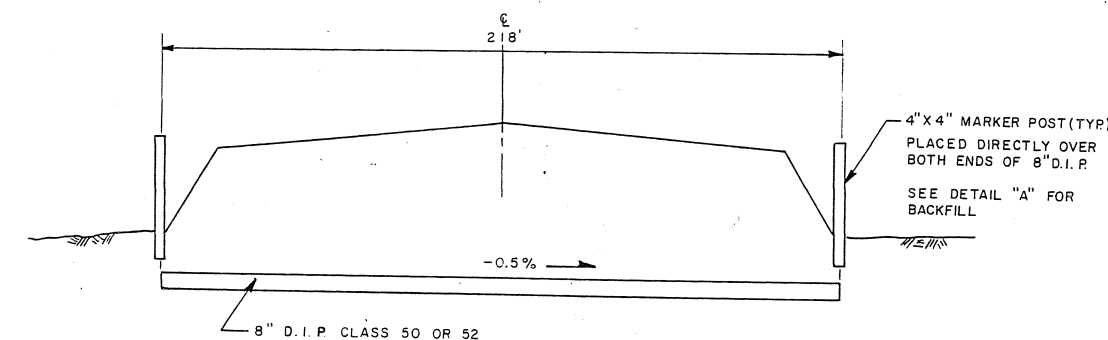


TRANSITIONS DETAIL AT TAXIWAY
NO SCALE

NOTE: SEE SHEET NO. 4 FOR LOCATION



DETAIL "A"
NO SCALE

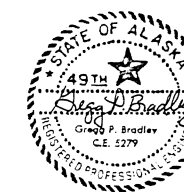


SUPPLEMENTAL AGREEMENT NO. 2
NO SCALE

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STATE OF ALASKA
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AND PUBLIC FACILITIES

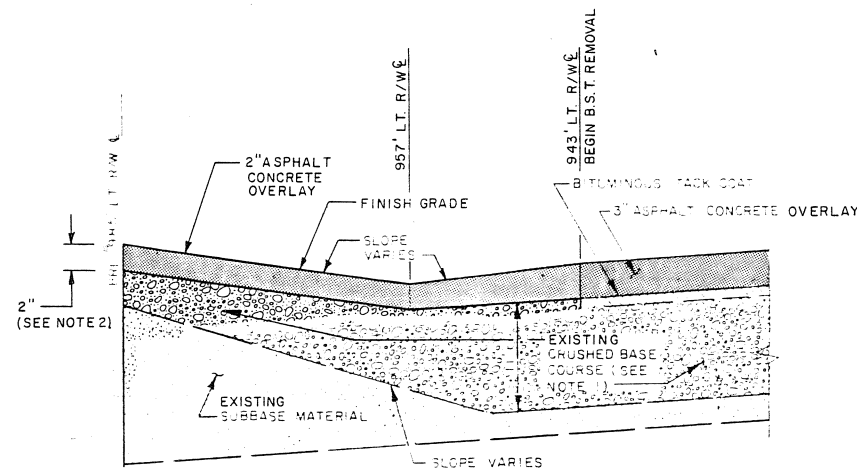
DILLINGHAM AIRPORT
53977
A.I.P. 3-02-0078-02
RUNWAY SECTIONS AND DETAILS

APPROVED: *Brooks H. Wade*
BROOKS H. WADE, P.E. ASSISTANT DESIGN CHIEF

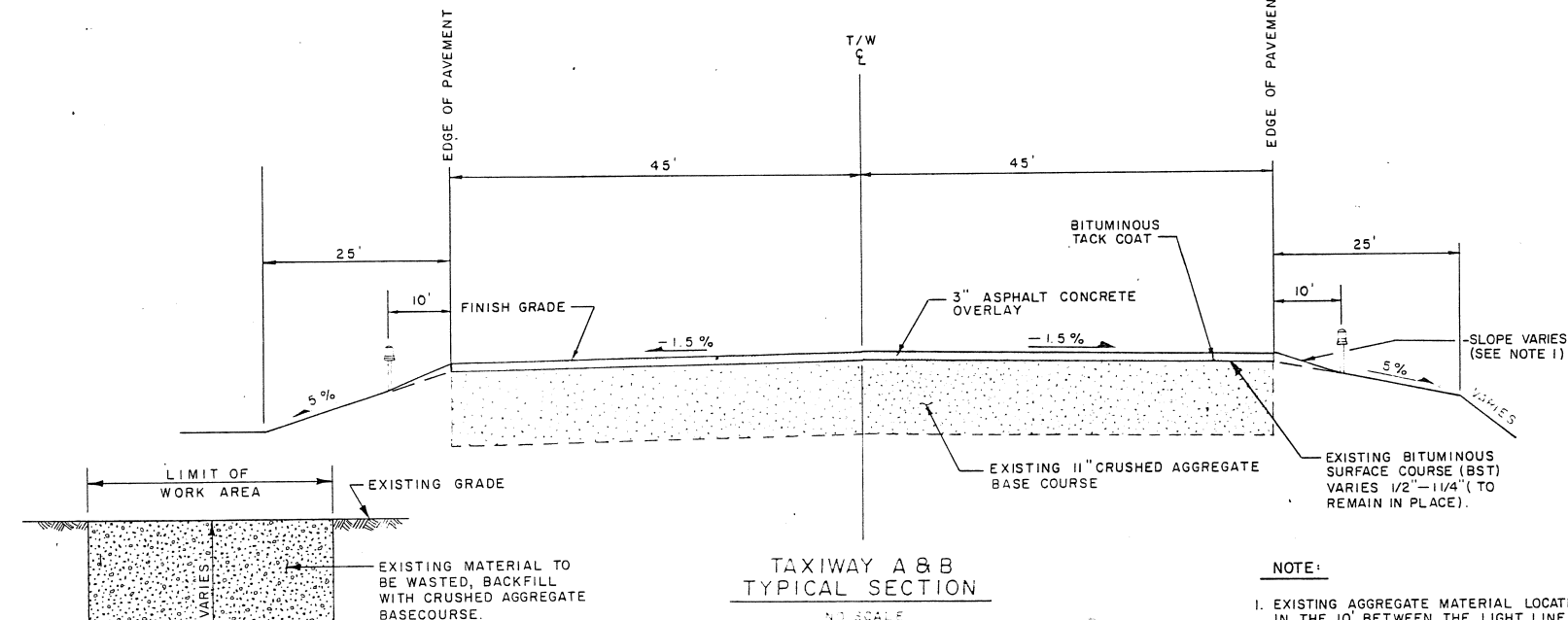
APPROVED: *William H. Wade*
WILLIAM H. WADE, P.E. PROJECT MANAGER

SCALE: AS SHOWN
DATE: 4-24-86
SHEET 7 OF 10

AS BUILT 8-88 SHEET 7 OF 12

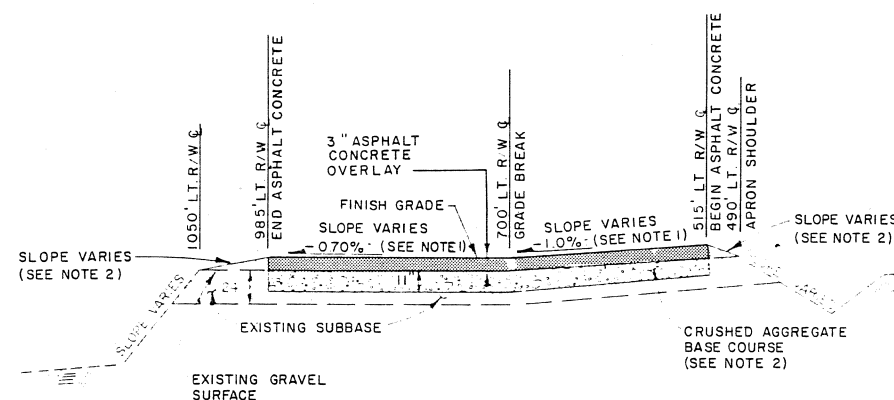


APRON PAVEMENT DETAIL AT BUILDING RESTRICTION LINE
NO SCALE



TAXIWAY A & B
TYPICAL SECTION
NO SCALE

NOTE:
1. EXISTING AGGREGATE MATERIAL LOCATED IN THE 10' BETWEEN THE LIGHT LINE AND EDGE OF PAVEMENT AND/OR MATERIAL FROM THE CRUSHED AGGREGATE BASE COURSE STOCKPILE SHALL BE USED TO REGRADE THE 25' SHOULDER SO THAT A 5% SLOPE IS MAINTAINED FROM THE NEW 2" ASPHALT CONCRETE TO THE SHOULDER. THIS WORK SHALL BE INCIDENTAL TO ITEM 270.

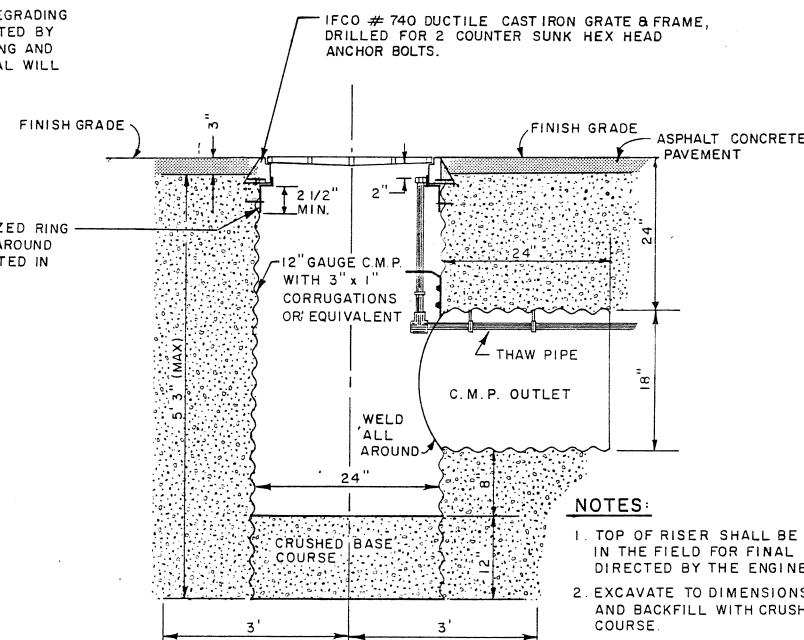


GRAVEL PORTION OF MAIN APRON TYPICAL PAVEMENT SECTION STA 38+00 TO STA 42+00
NO SCALE

NOTES:

1. FINISH GRADE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. 11" OF EXISTING SUBBASE REMOVED AND REPLACED WITH 11" OF CRUSHED AGGREGATE BASE COURSE. EXCESS SUBBASE SHALL BE UTILIZED IN THE REGRADING OF THE REMAINING GRAVEL PORTIONS OF THE APRON. EXCESS MATERIAL REMAINING AFTER THE REGRADING WORK SHALL BE WASTED AS DIRECTED BY THE ENGINEER. REMOVAL, REGRADING AND WASTING OF ANY SUBBASE MATERIAL WILL BE PAID UNDER ITEM 270.

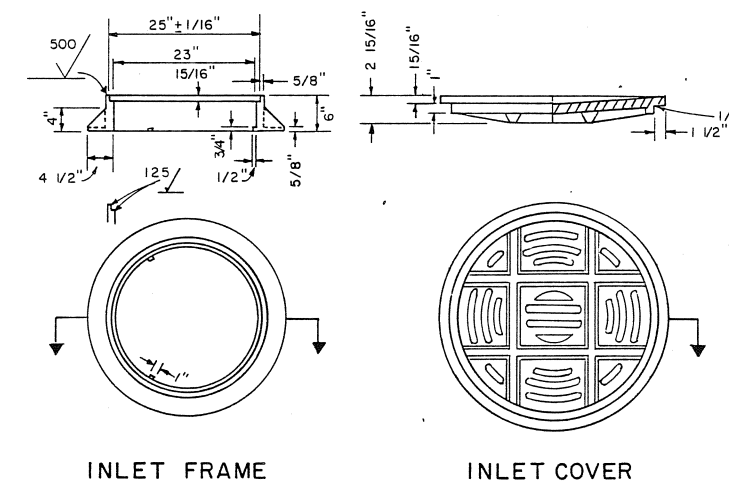
CMP TRENCH DETAIL
NO SCALE



NOTES:

1. TOP OF RISER SHALL BE CUT IN THE FIELD FOR FINAL FIT AS DIRECTED BY THE ENGINEER.
2. EXCAVATE TO DIMENSIONS SHOWN AND BACKFILL WITH CRUSHED BASE COURSE.

CMP DROP INLET
NO SCALE

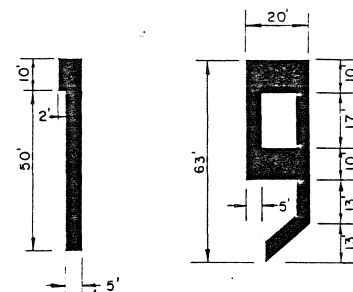


STATE OF ALASKA
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DILLINGHAM AIRPORT
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TAXIWAY, APRON SECTIONS AND DETAILS

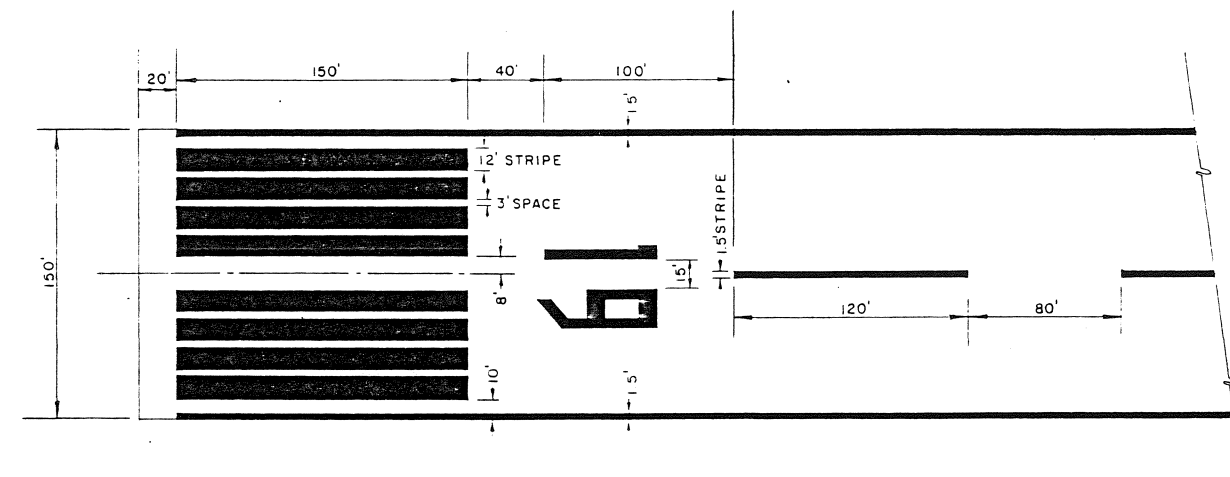
PAVED PORTION OF MAIN APRON PAVEMENT TYPICAL SECTION STA 25+00 TO 38+00
NO SCALE

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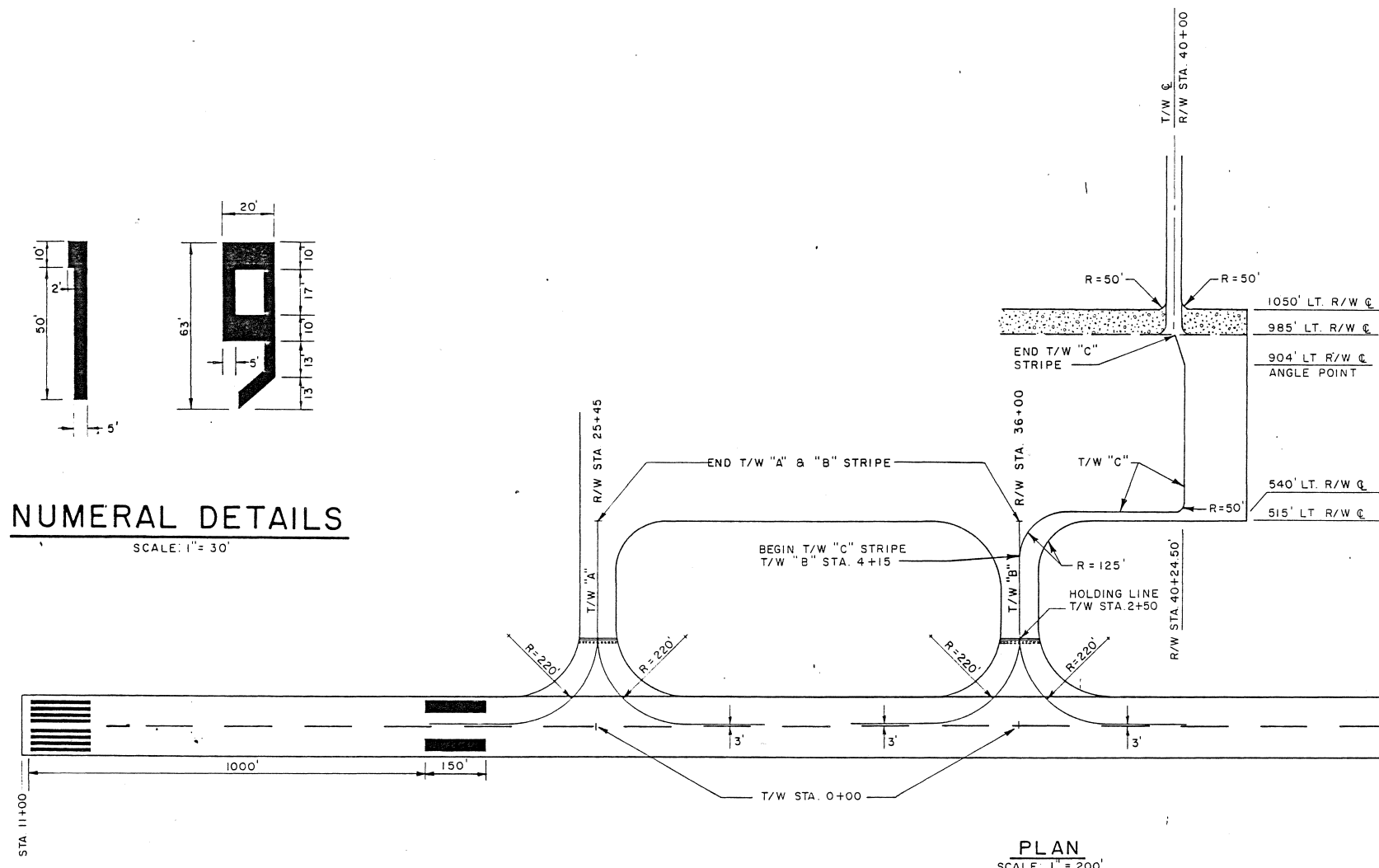
BY	DATE	CHANGE	REVISIONS
AS BUILT	8-17-88		
DESIGNED	WILLIAM KOESTER, P.E.		
CHECKED	WILLIAM KOESTER, P.E.		
SCALE	NO SCALE		
SHEET	8 OF 10		



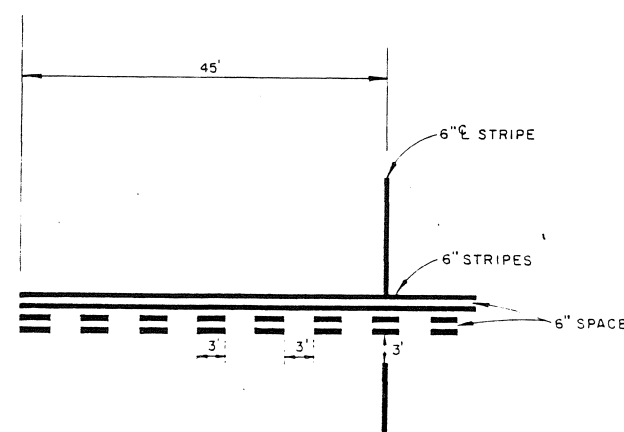
NUMERAL DETAILS
SCALE: 1" = 30'



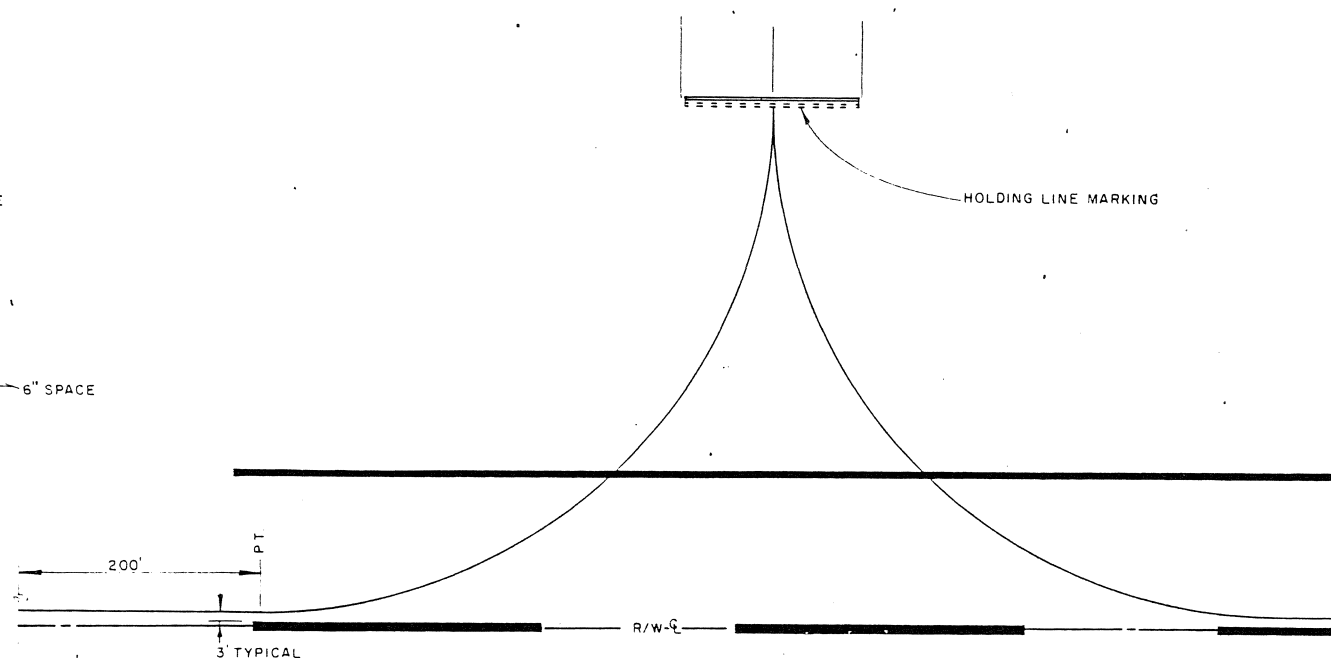
NON PRECISION RUNWAY MARKING
SCALE: 1" = 50'



PLAN
SCALE: 1" = 200'

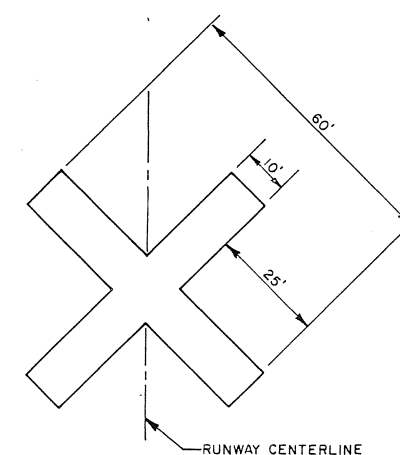


**HOLDING LINE MARKER &
CENTERLINE STRIPE DETAIL**
NO SCALE



TAXIWAY MARKING DETAILS

- NOTES:**
1. CROSSES SHALL BE WHITE IN COLOR AND MAY BE CONSTRUCTED OF FABRIC, PLASTIC, PLYWOOD OR OTHER SUITABLE MATERIAL.
 2. CROSSES TO BE PLACED AT EACH END OF THE CLOSED PORTION OF THE RUNWAY.



CLOSED RUNWAY MARKINGS
NO SCALE

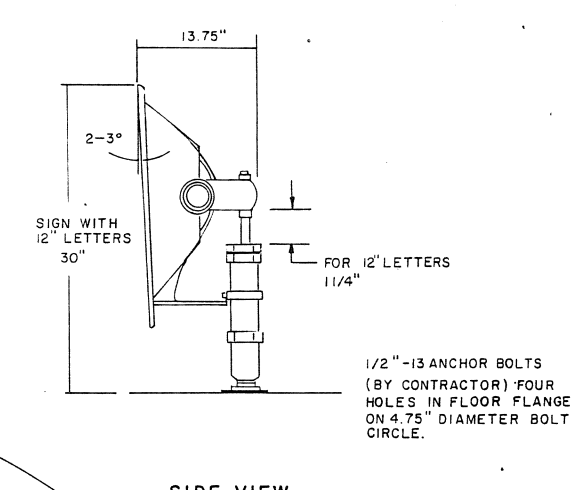
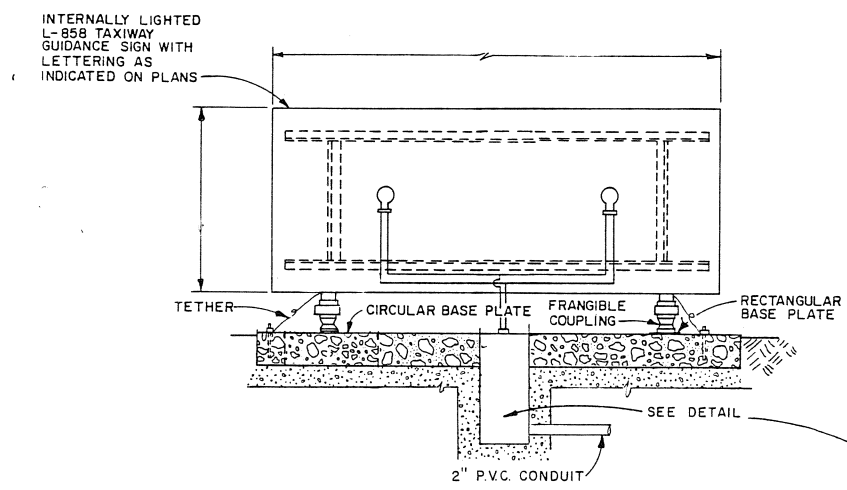
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JUL 1989
Department of Transportation
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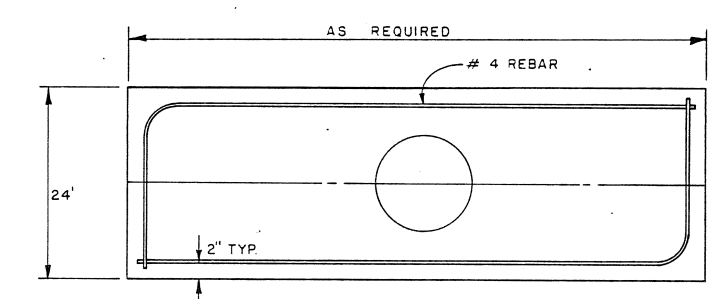
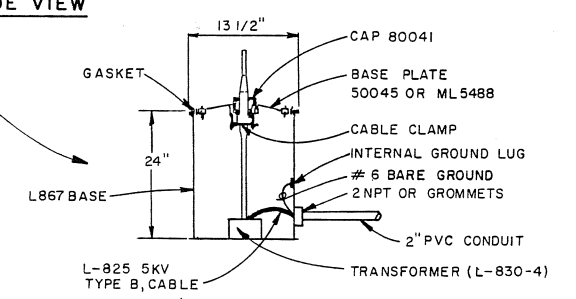
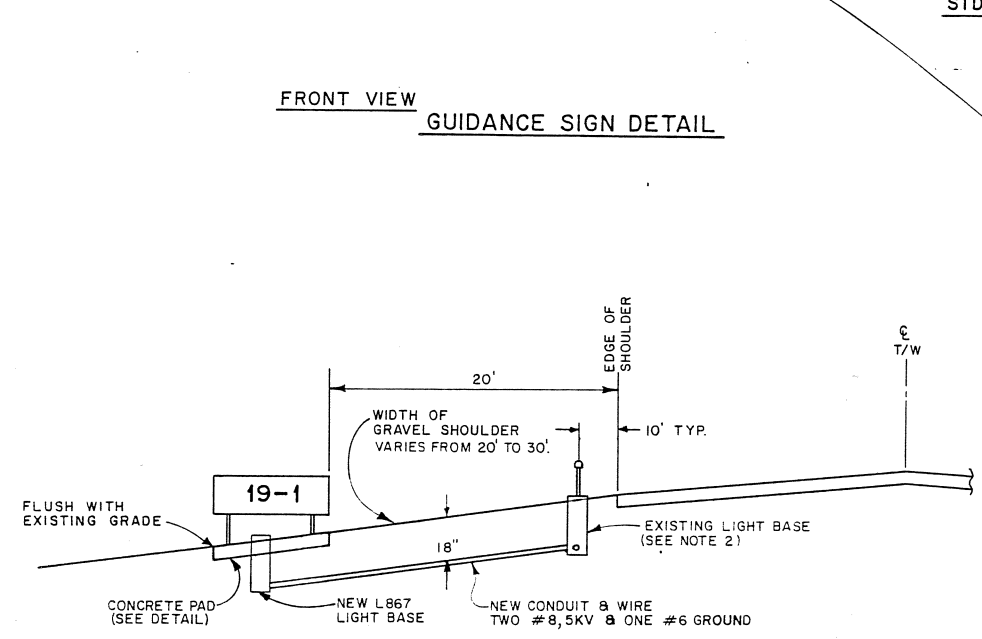
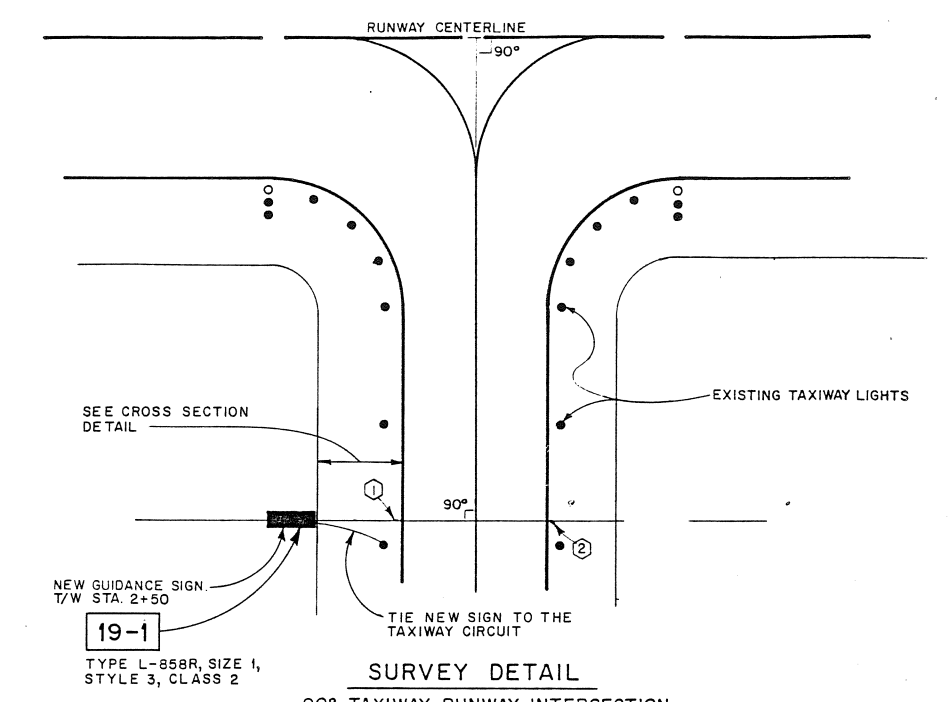
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

DILLINGHAM AIRPORT
53977
A.I.P. 3-02-0078-02
RUNWAY & TAXIWAY MARKING PLAN

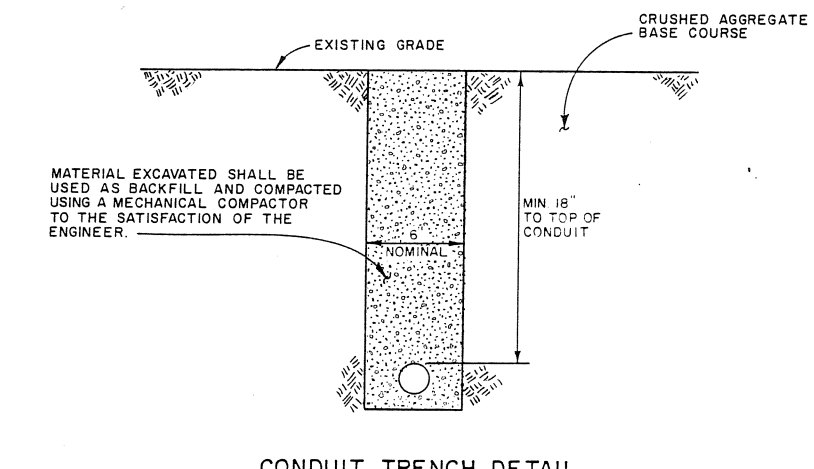
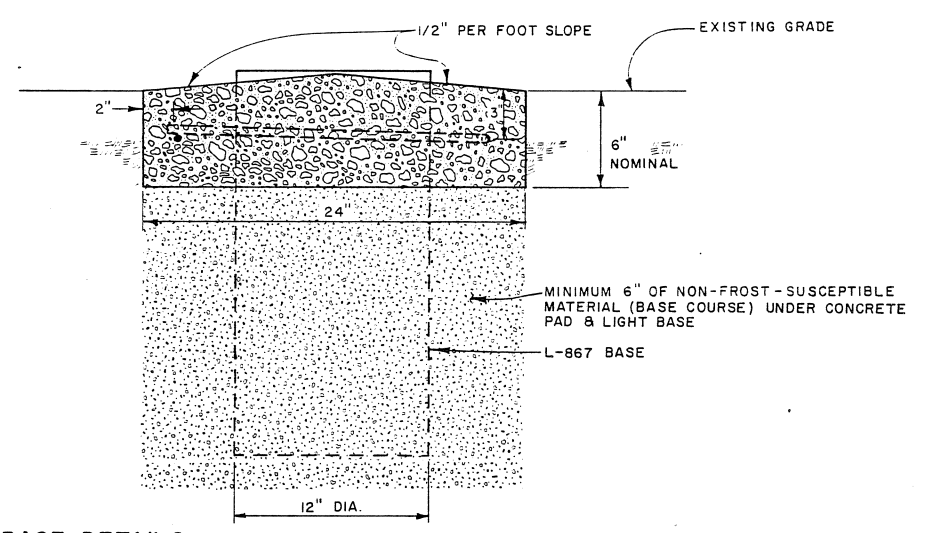
APPROVED	<i>Brooks H. Wade</i> BROOKS H. WADE, P.E.	ASSISTANT DESIGN CHIEF
APPROVED	<i>William Koester</i> WILLIAM KOESTER, P.E.	PROJECT MANAGER
SCALE	AS SHOWN	DESIGNED <i>JP</i> DRAWN <i>MF</i> CHECKED <i>CPB</i> DATE <i>4-24-96</i>
BY	DATE	REVISIONS
AS BUILT	8-88	SHEET 9 OF 12



- NOTE:**
1. TO LOCATE TYPE L-858R SIGNS FIRST LOCATE POINTS 1 & 2 (SEE SURVEY DETAILS) THEN PLACE SIGNS 20' FROM THE OUTSIDE EDGE OF PAINT STRIPE OR TAXIWAY SHOULDER.
 2. EXISTING LIGHT BASES MAY BE MODIFIED TO ACCEPT THIRD CONDUIT BY DRILLING NEW HOLE AND ADDING RUBBER GROMMET AND 2\"/>



NOTE:
ATTACH SIGNS TO CONCRETE BASE IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.



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and Public Facilities



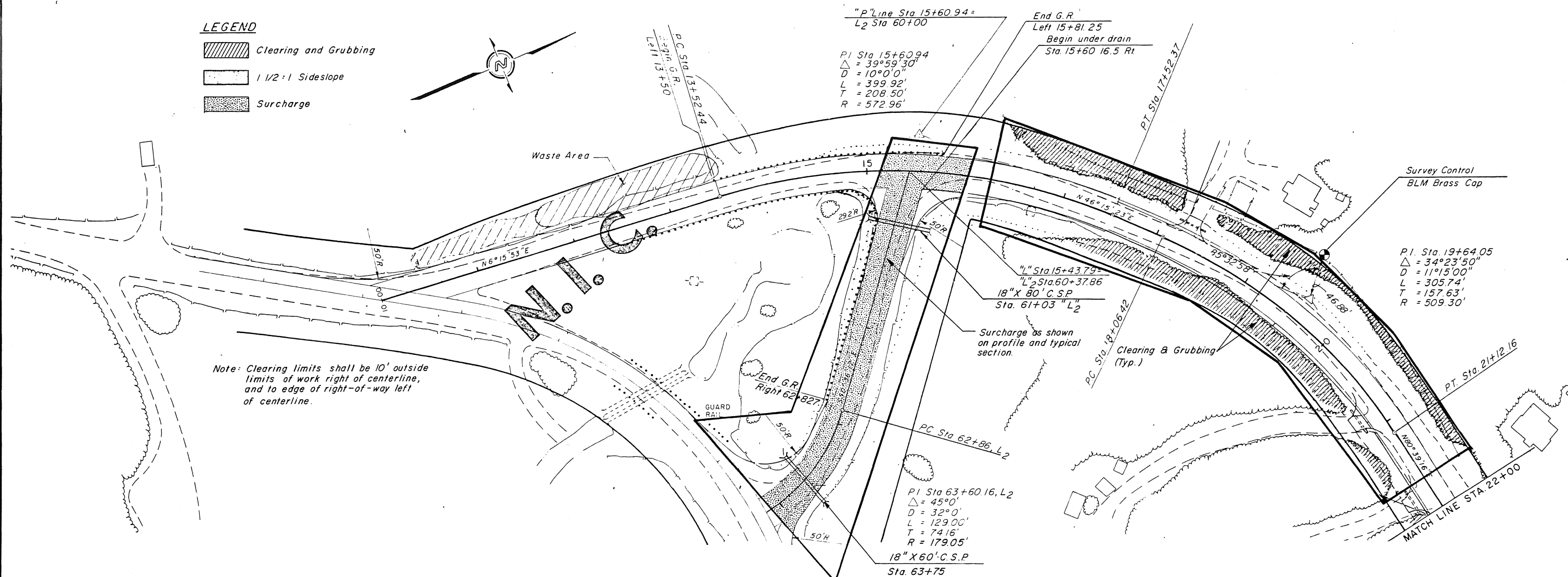
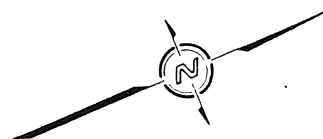
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

DILLINGHAM AIRPORT
53977
A.I.P. 3-02-0078-02
TAXIWAY GUIDANCE SIGN DETAILS

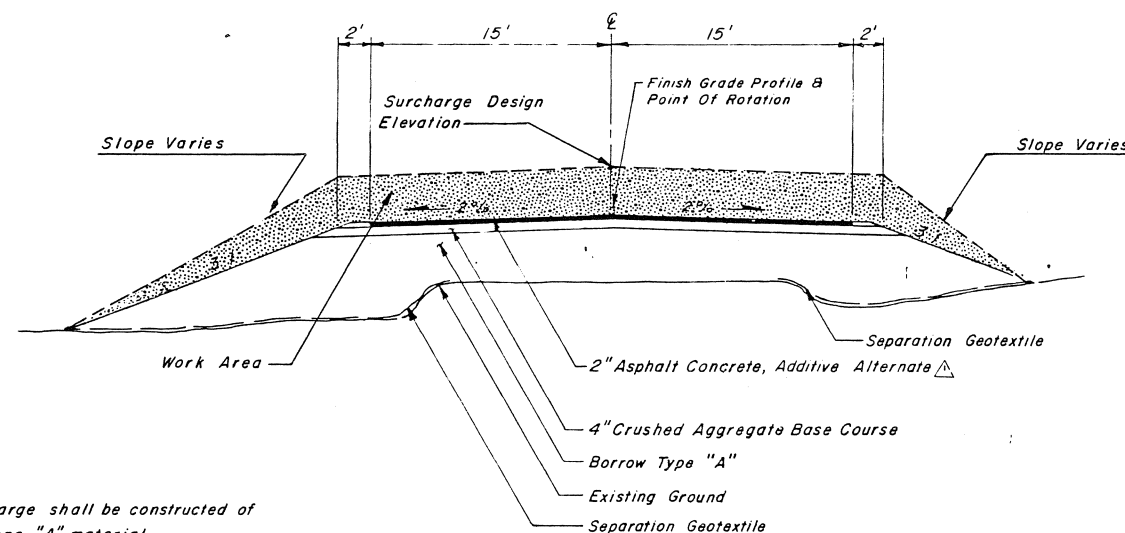
APPROVED	<i>Brooks H. Wade</i>	ASSISTANT DESIGN CHIEF
APPROVED	<i>William Koester</i>	PROJECT MANAGER
BY	DATE	CHANGE
11K	8-17-88	AS BUILT
NO SCALE	DESIGNED	DRAWN
CHECKED	DATE	SHEET

LEGEND

- Clearing and Grubbing
- 1 1/2 : 1 Sideslope
- Surcharge



Note: Clearing limits shall be 10' outside limits of work right of centerline, and to edge of right-of-way left of centerline.



NOTE

The Surcharge shall be constructed of Borrow Type "A" material.

TYPICAL SECTION
STA. 60+37.86 TO STA. 64+15 LINE L2

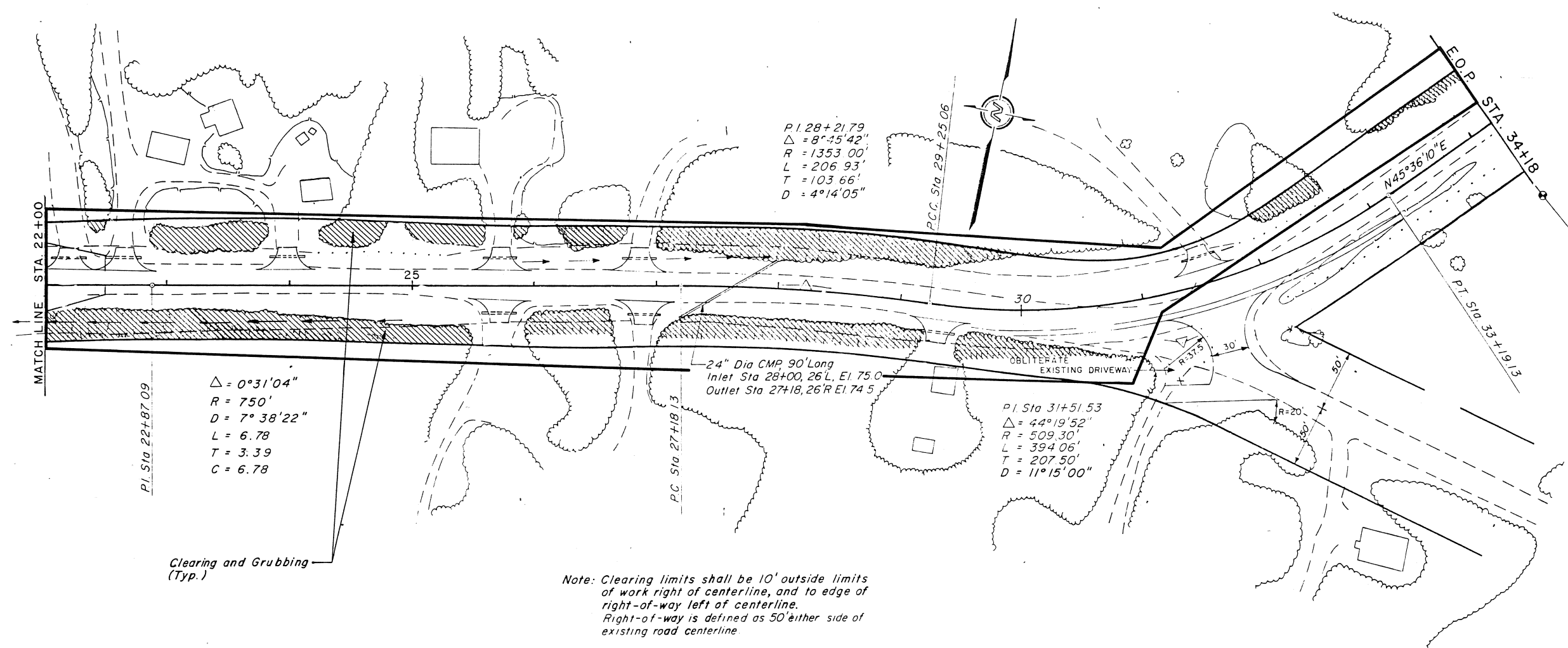
MICROFILMED
JUL 1989
Department of Transportation
and Public Facilities

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

DILLINGHAM AIRPORT
53977
A.I.P. 3-02-0078-02
AS-BUILT SUPPLEMENTAL AGREEMENT NO. 1

APPROVED: *[Signature]* CHIEF OF CONSTRUCTION
APPROVED: *[Signature]* PROJECT MANAGER
DESIGNED: RSA
CHECKED: JLA
DATE: 8/19/89
SCALE: 1" = 50'

BY	DATE	CHANGE





Clearing and Grubbing
(Typ.)

Note: Clearing limits shall be 10' outside limits
of work right of centerline, and to edge of
right-of-way left of centerline.
Right-of-way is defined as 50' either side of
existing road centerline.

LEGEND

 Clearing and Grubbing

MICROFILMED JUL 1988		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES DILLINGHAM AIRPORT 53977 A.I.P. 3-02-0078-02 AS BUILT- SUPPLEMENTAL AGREEMENT NO.1	
Department of Transportation and Public Facilities		APPROVED:  JEROME GEORGE, P.E. CHIEF OF CONSTRUCTION	
DESIGNED:  J.A. APPLEBURY PROJECT MANAGER		SCALE: 1" = 50' DATE: 8/13/88	
BY: _____ DATE: _____ CHANGE: _____ REVISIONS		SHEET 2 OF 2	