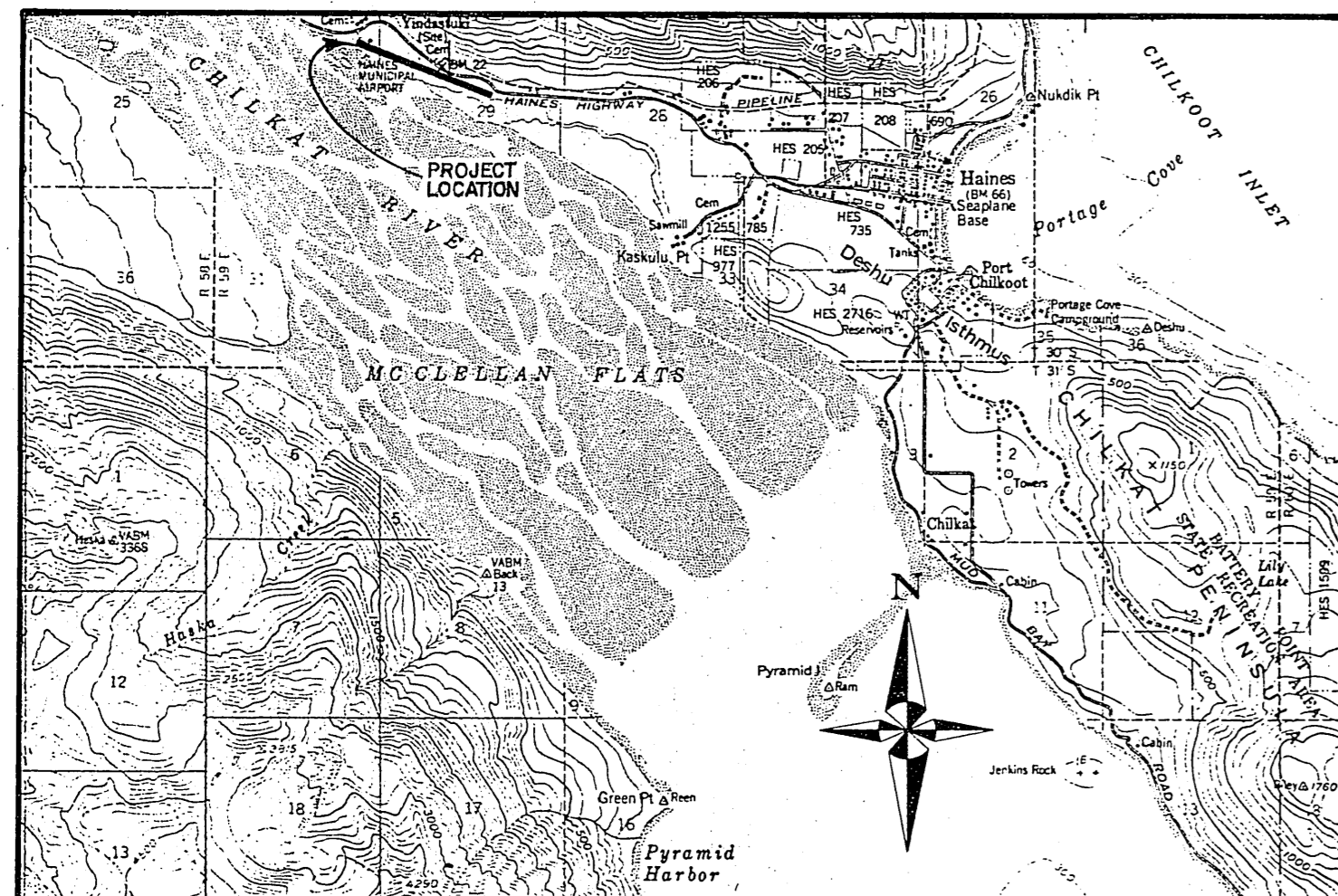


INDEX

- 1. TITLE SHEET
- 2. LAYOUT PLAN
- 3. TYPICAL SECTIONS & ESTIMATE OF QUANTITIES
- 4-5. PLAN & PROFILE
- 6. RUNWAY CLOSURE DETAIL
- 7. RUNWAY & TAXIWAY MARKING

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION
and PUBLIC FACILITIES
S.E. REGION DESIGN & CONSTRUCTION DIVISION

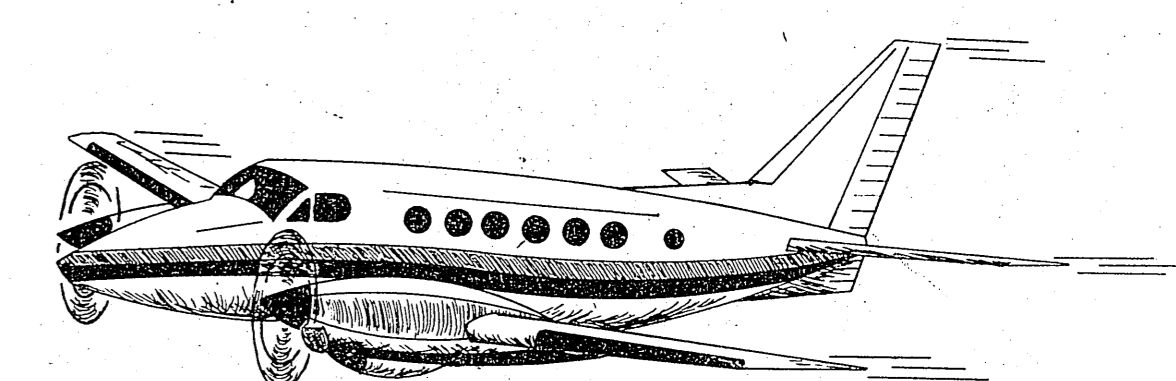
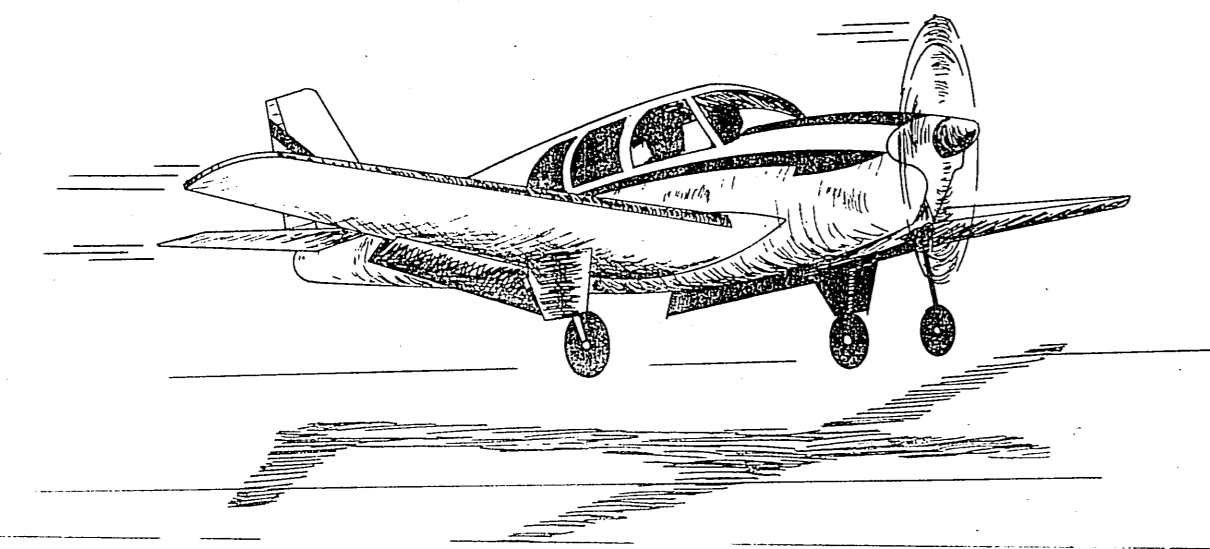


VICINITY MAP

1" = 1 Mi.

SPONSORED BY
THE STATE OF ALASKA

HAINES



APPROVED

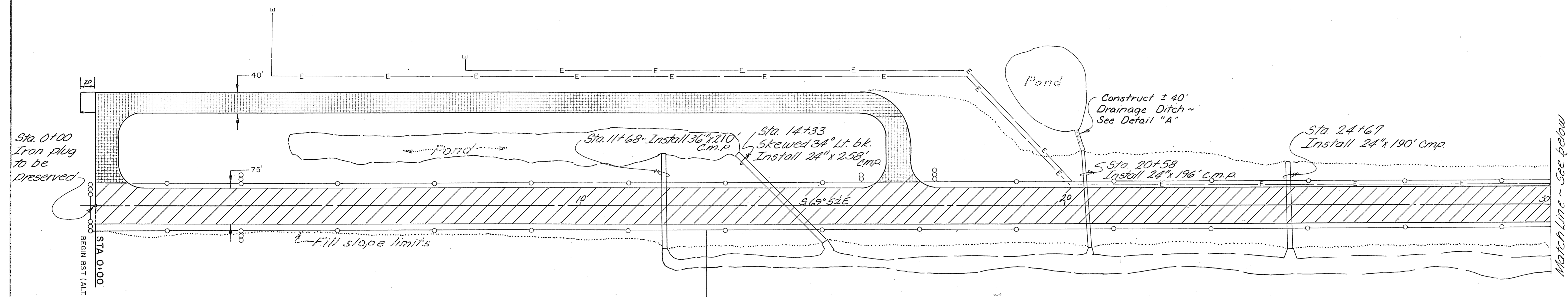
Donald D. Dieckmeyer
DONALD D. DIECKMEYER, DIRECTOR, S.E. REGION DESIGN & CONSTRUCTION DATE 5/29/84

APPROVED

Wallace K. Williams
WALLACE K. WILLIAMS, DESIGN CHIEF, S.E. REGION DESIGN DATE 5/30/84



HAINES AIRPORT RUNWAY LAYOUT

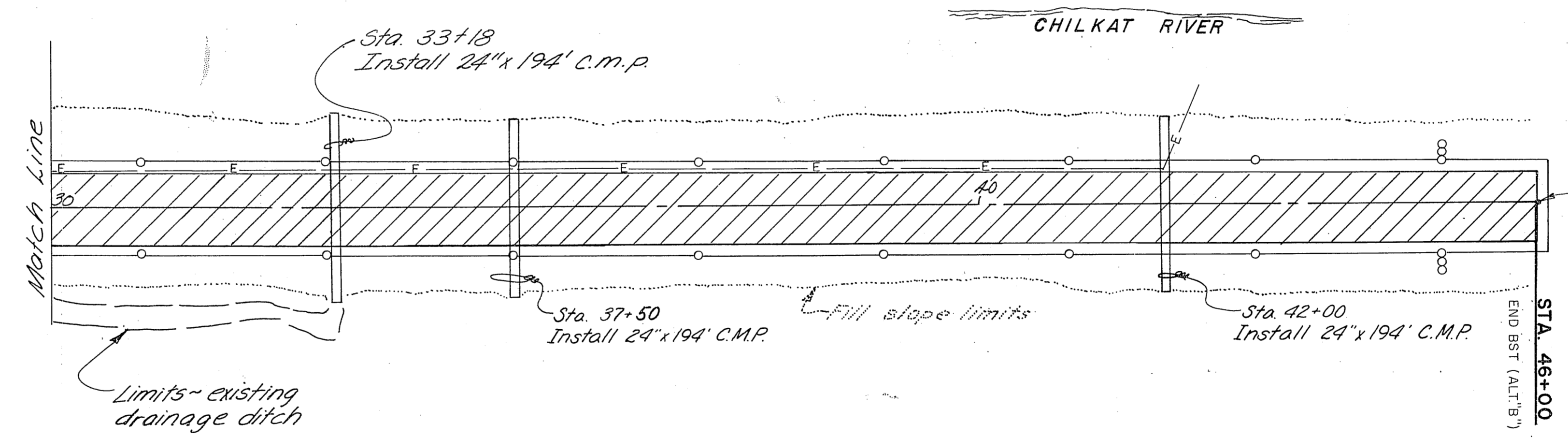


CULVERT REMOVAL SUMMARY

Station	Length
11+68	206
14+33	255
20+58	196
24+67	182
33+18	194

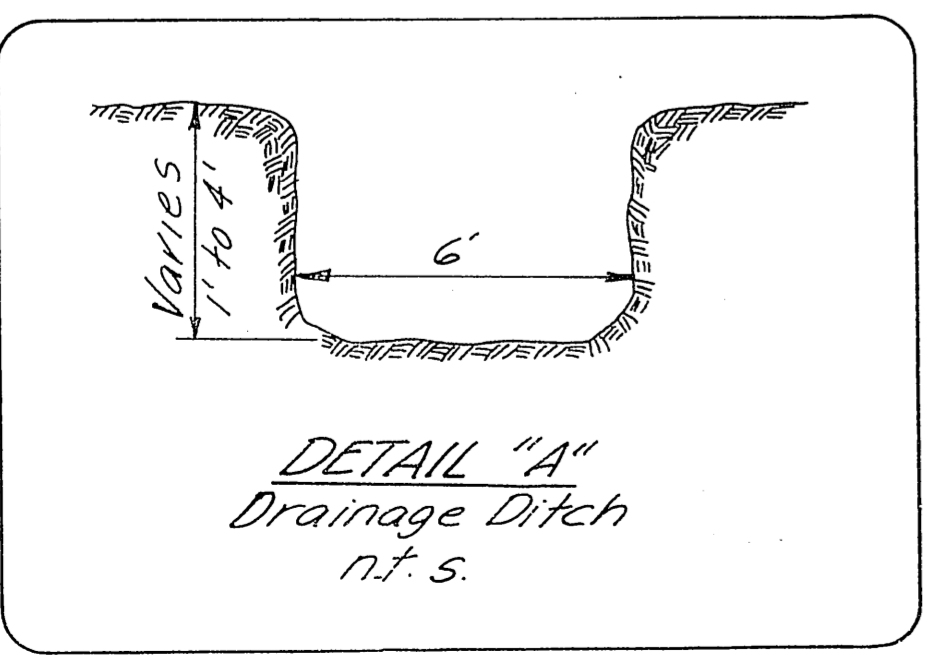
CULVERT INSTALLATION SUMMARY

Station	Size	Length
11+68	36"	210'
14+33	24"	258'
20+58	24"	196'
24+67	24"	190'
33+18	24"	194'
37+50	24"	194'
42+00	24"	194'



GENERAL NOTES

- WASTE EXCAVATION SHALL BECOME THE PROPERTY OF THE CONTRACTOR, AND BE REMOVED TO AN UPLAND AREA, OFF OF THE AIRPORT PROPERTY.
- DRAINAGE DITCH WILL BE ESTABLISHED TO FLOW TO C.M.P. INLET. PAYMENT WILL BE MADE UNDER ITEM 330A-UNCLASSIFIED EXCAVATION WILL BE IN ACCORDANCE WITH DETAIL "A".
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PRESERVE UNDERGROUND WIRING TO THE AIRPORT LIGHTING SYSTEM. ANY DAMAGE INCURRED WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- THE CONTRACTOR SHALL ESTABLISH NEW INLET AND OUTLET ELEVATIONS OF THE CORRUGATED METAL PIPE CULVERTS TO CONFORM WITH THE EXISTING AND NEW GRADED DITCH CONDITIONS.



LEGEND

- Runway
- Area's to be resurfaced
- Taxiway

LEGEND

- UNDERGROUND ELECTRICAL TO LIGHTS
- E-E UNDERGROUND ELECTRICAL POWER LINE *

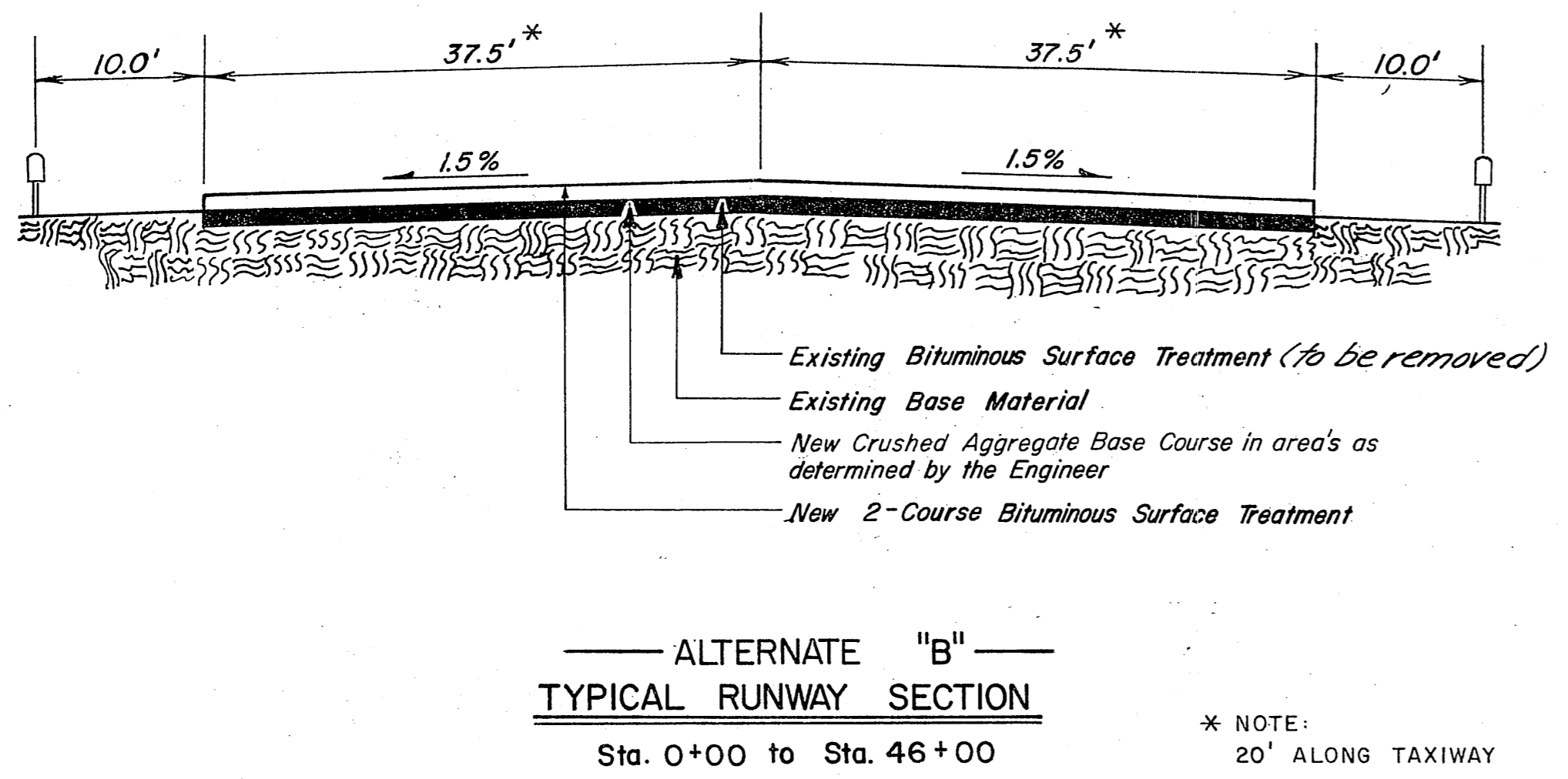
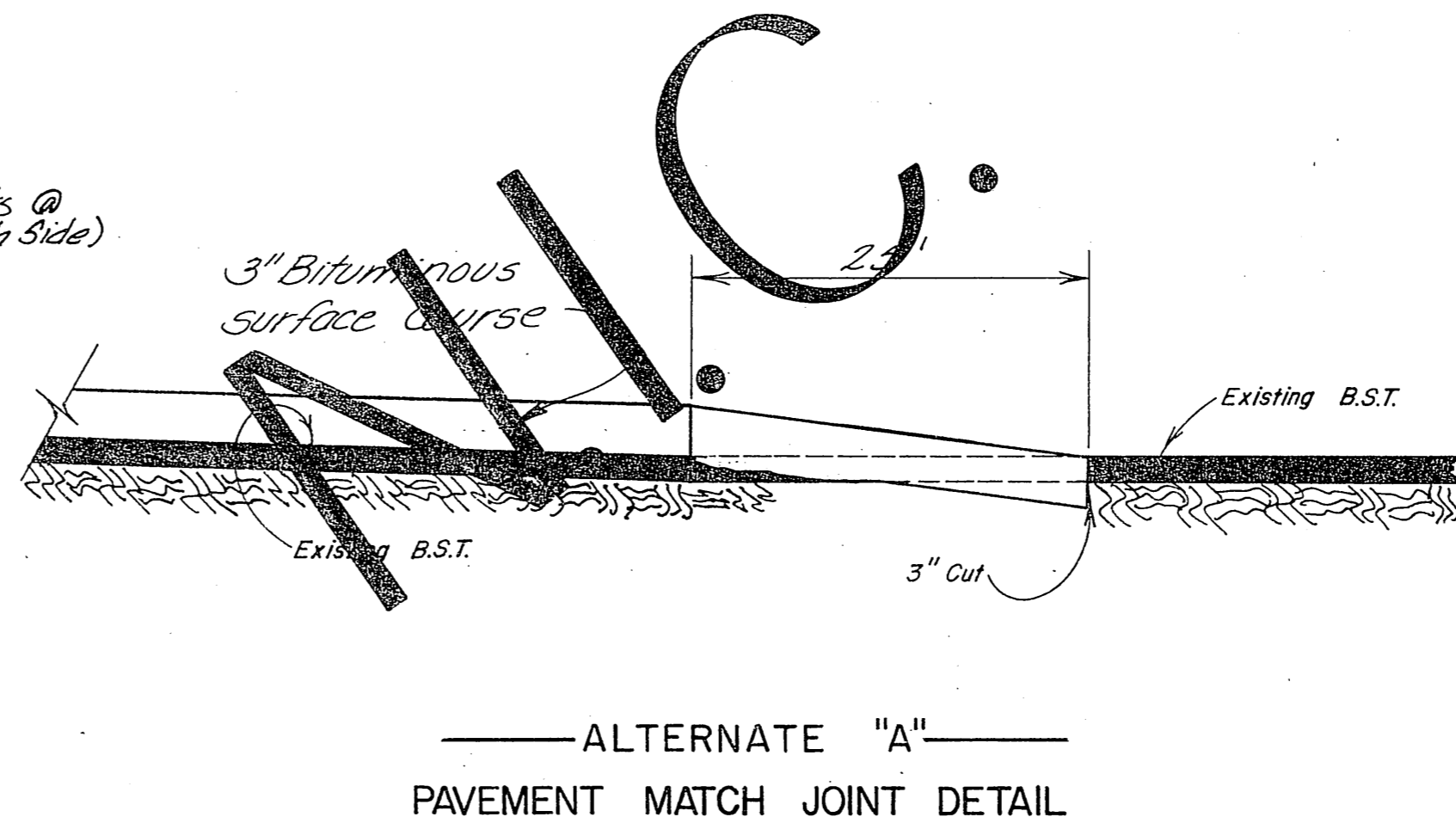
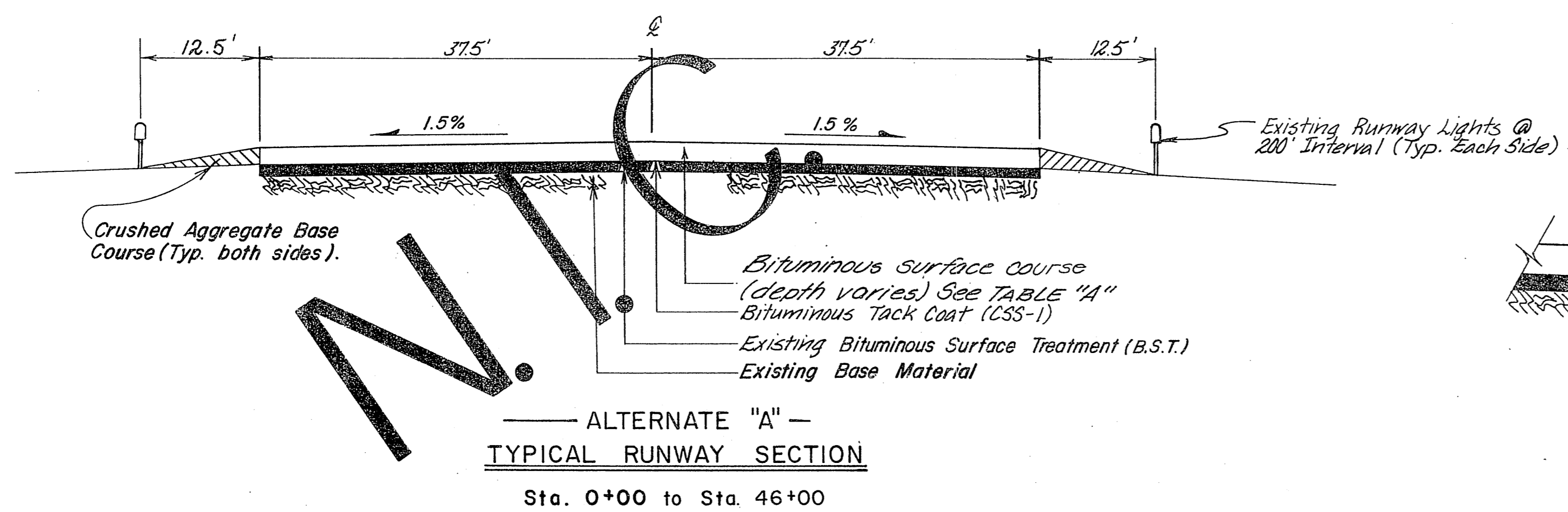


* LOCATION APPROXIMATE. CONTRACTOR SHALL VERIFY LOCATION PRIOR TO ANY EXCAVATION

STATE OF ALASKA
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S.E. REGION, DIVISION OF AVIATION DESIGN & CONSTRUCTION

HAINES AIRPORT
A.I.P. 3-02-0112-01
PROJECT LAYOUT PLAN

APPROVED BY:		Wallace K. Williams 3/29/85 WALLACE K. WILLIAMS, P.E. CHIEF OF DESIGN	
APPROVED BY:		William L. Baumbartner 3/29/85 WILLIAM L. BAUMBARTNER, P.E. DESIGN CHIEF GROUP "B"	
BY	DATE	CHANGE	REVISIONS
SCALE:	DESIGNED: P.B.	DRAWN: S.S.	
NOT TO SCALE	CHECKED: R.F.	DATE: 3-1-85	SHEET 2 OF 7

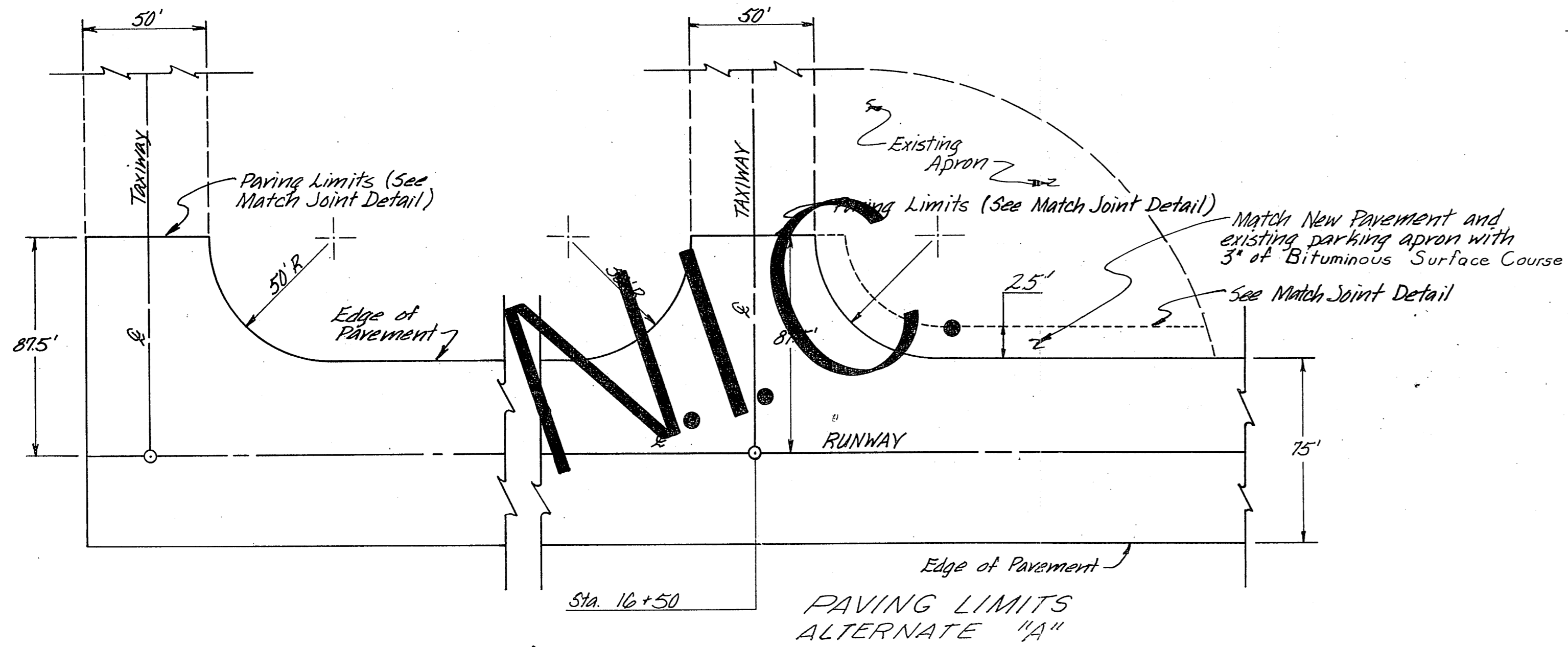
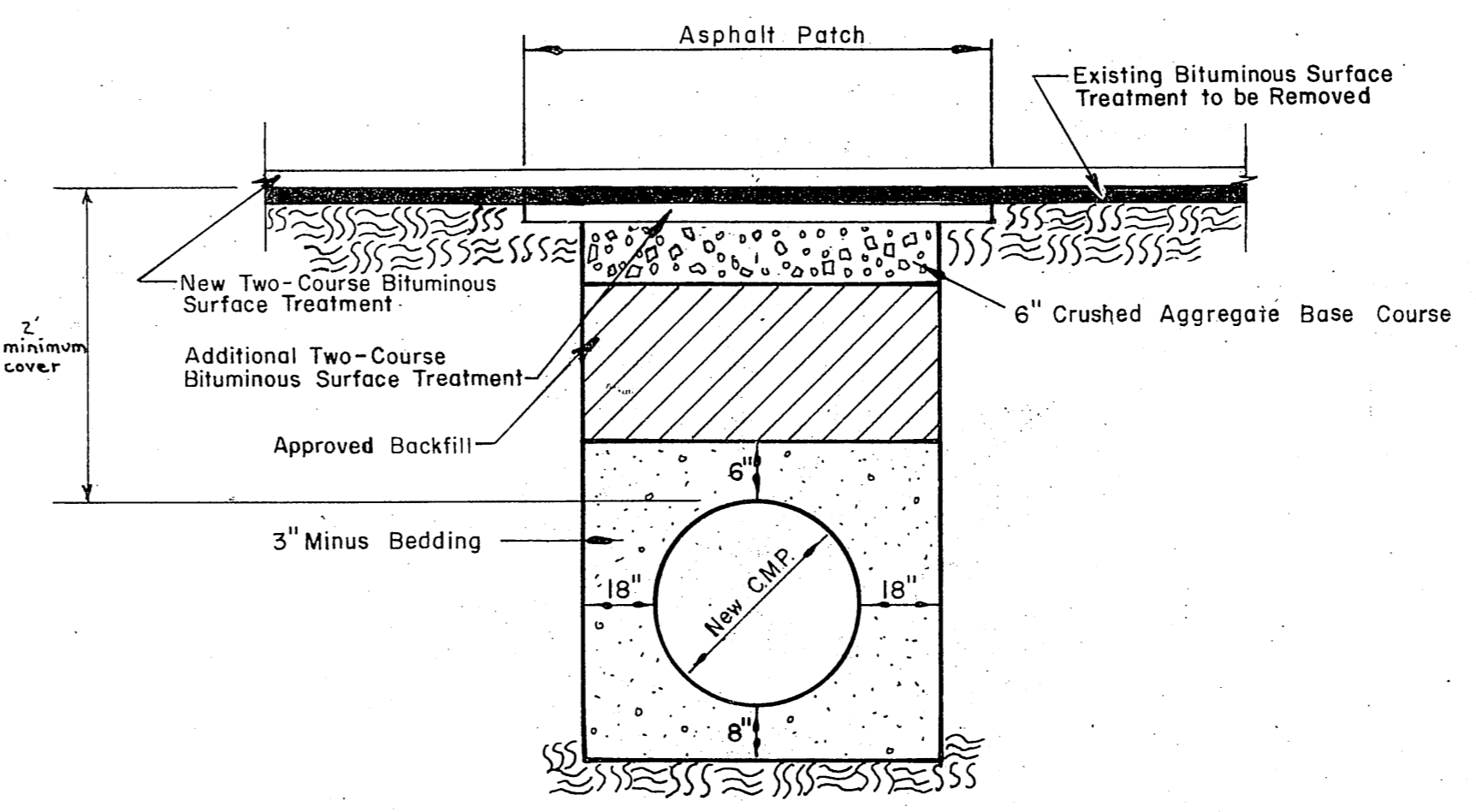


* NOTE:
20' ALONG TAXIWAY

BASIS OF ESTIMATE		
ITEM NO.	ITEM	ESTIMATING FACTOR
510a	Crushed Aggregate Base Course	2.12 tons/cu.yds.
600a	Bituminous Prime Coat MC-30	0.25 gal./sq.yds.
650a	Bituminous Material-Surface Treat.	0.95 gal./sq.yds. & 240 gal/ton
650b	Aggregate for Surface Treatment	70 lbs./sq.yds.

ESTIMATE OF QUANTITIES			
ALTERNATE "A"			
ITEM N ^o	ITEM	UNIT	QUANTITY
100	Mobilization & Demobilization	L.S.	All req'd.
330a	Unclassified Excavation	C.Y.	500
400a	C.M.P. 24" 18 gauge	L.F.	1038
400b	C.M.P. 36" 18 gauge	L.F.	210
400c	Remove of existing culverts	L.F.	1033
510a	Crushed Aggregate Base course	TON	500
610	Bituminous Tack Coat	TON	27.43
660a	Bituminous Surface course	TON	5947
660b	Asphalt cement AC-5	TON	357
700	Runway & Taxiway Marking	L.S.	All req'd.
ALTERNATE "B"			
100	Mobilization & Demobilization	L.S.	All req'd.
250a	Excav. & dispos. of pavent. mat.	S.Y.	52,833.47699
270	Surface Preparation	S.Y.	52,833.48032
330a	Unclassified Excavation	C.Y.	500 35
400a	C.M.P. 24" 18 gauge C.O.1	L.F.	1226
400bb	C.M.P. 36" 18 gauge C.O.1	L.F.	210
400c	Remove exist culverts	L.F.	1033
510aa	Crush. Aggr. Base Course C.O.2	TON	1000 3045
600a	Bit. Prime coat MC-30	TON	55 34.43
650a	Bit. Mat. surface treatment	TON	1975 201.9
650b	Aggregate for surface treatment	TON	1,751 1707.4
700	Runway & Taxiway markings	L.S.	All req'd.

TABLE A		
Station	Station	Thickness
0+00	32+00	3" (2-1 1/2" lifts)
32+00	46+00	1 1/2"



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION, DIVISION OF AVIATION DESIGN & CONSTRUCTION

HAINES AIRPORT
A.I.P. 3-02-0112-01
TYPICAL SECTIONS

BY	DATE	CHANGE
REVISIONS		

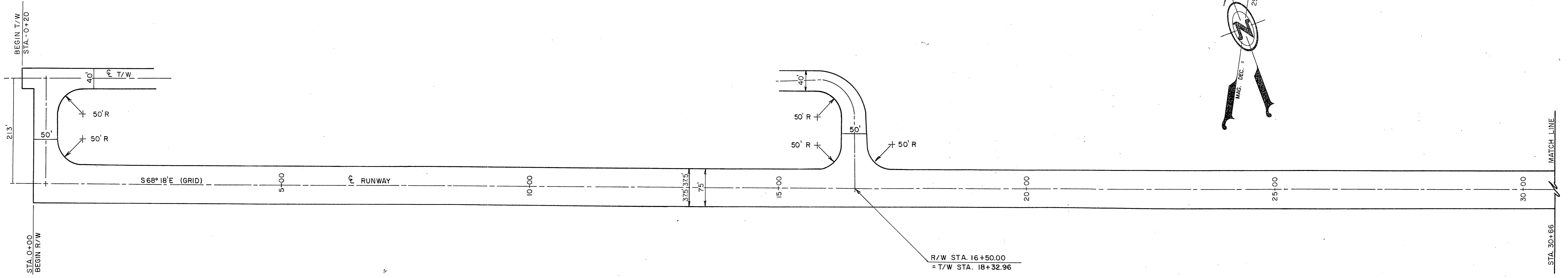
APPROVED BY: *Wallace K. Williams* 5/30/84
WALLACE K. WILLIAMS, R.E. CHIEF OF DESIGN

APPROVED BY: *Tracy W. Moore* 5-30-84
for WILLIAM BAUMGARTNER, R.E. DESIGN CHIEF GROUP "B"

SCALE: NOT TO SCALE
CHECKED: R.F. DATE: 3-1-85

SHEET 3 OF 7

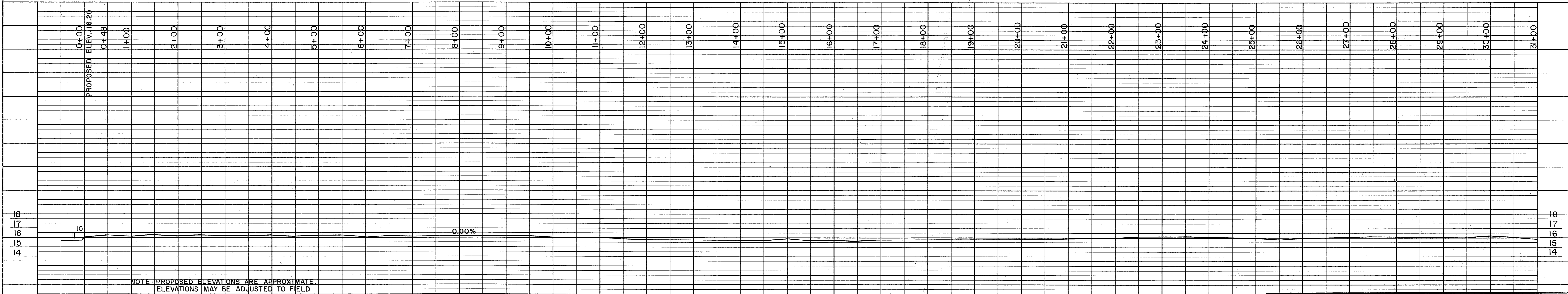
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	RT. OF WAY CHECKED		
	NO.		



RUNWAY PLAN
SCALE: 1" = 100'



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		



NOTE: PROPOSED ELEVATIONS ARE APPROXIMATE. ELEVATIONS MAY BE ADJUSTED TO FIELD CONDITIONS AS APPROVED BY THE PROJECT ENGINEER.

RUNWAY PROFILE
SCALE: HORIZ. 1" = 100'
VERT. 1" = 5'

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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S.E. REGION, DIVISION OF AVIATION DESIGN & CONSTRUCTION

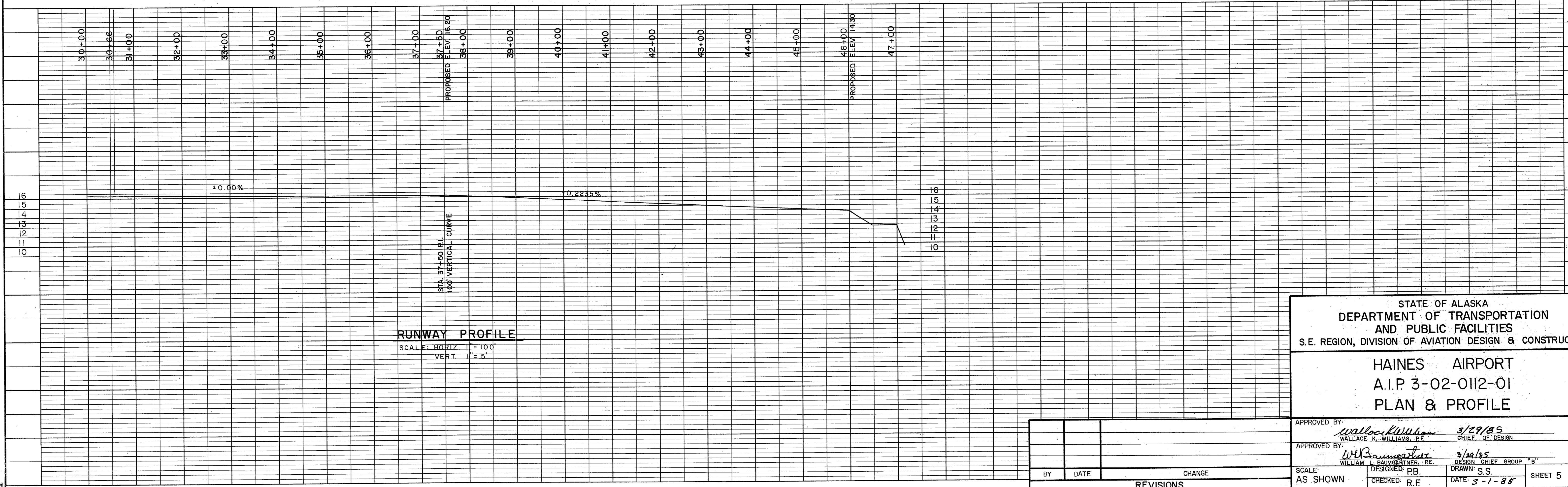
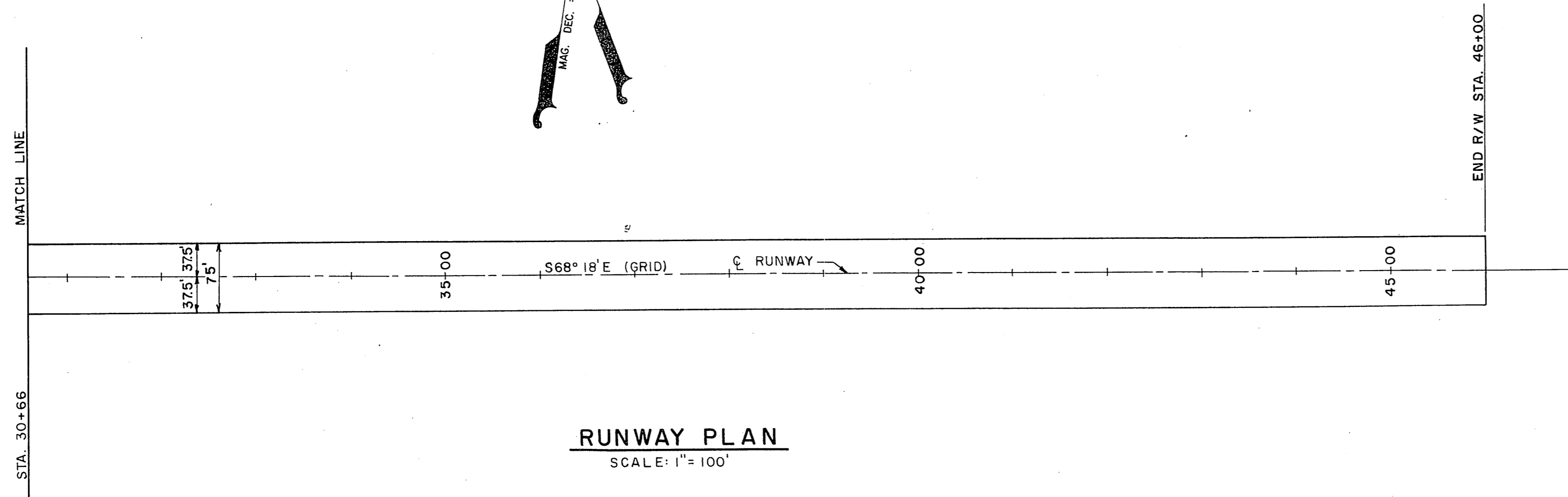
HAINES AIRPORT
A.I.P. 3-02-0112-01
PLAN & PROFILE

APPROVED BY: <i>Wallace K. Williams</i> WALLACE K. WILLIAMS, P.E. CHIEF OF DESIGN 3/29/85	APPROVED BY: <i>William L. Baumgartner</i> WILLIAM L. BAUMGARTNER, P.E. DESIGN CHIEF GROUP "B" 3/29/85
SCALE: AS SHOWN	DESIGNED: P.B. CHECKED: R.F.
DATE: 3-1-85	DRAWN: S.S.

BY	DATE	CHANGE
REVISIONS		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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S.E. REGION, DIVISION OF AVIATION DESIGN & CONSTRUCTION

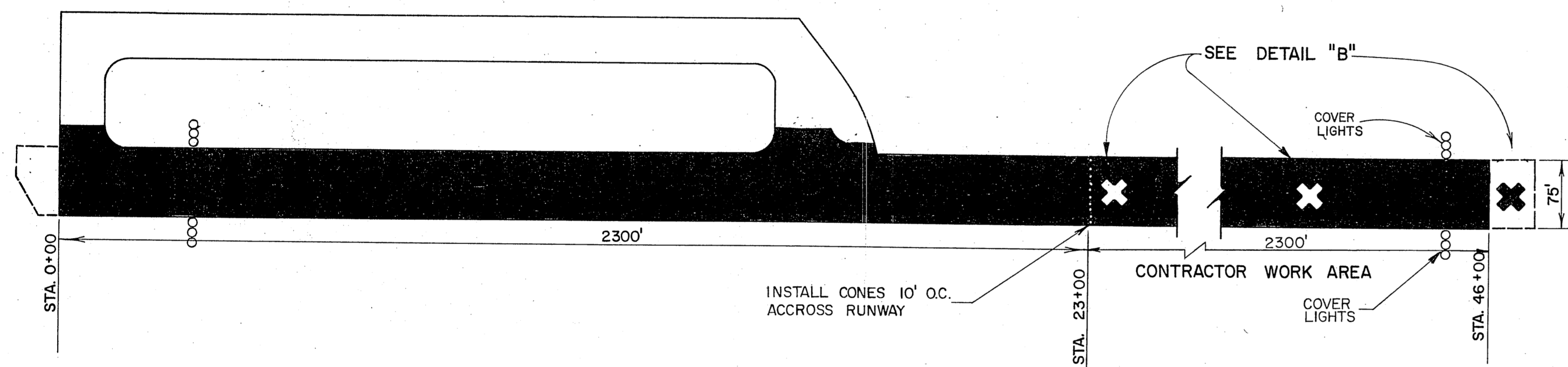
HAINES AIRPORT
A.I.P. 3-02-0112-01
PLAN & PROFILE

APPROVED BY:	<i>Wallace K. Williams</i> WALLACE K. WILLIAMS, P.E.	3/29/85 CHIEF OF DESIGN
APPROVED BY:	<i>William L. Baumgartner</i> WILLIAM L. BAUMGARTNER, P.E.	3/29/85 DESIGN CHIEF GROUP "B"
SCALE:	AS SHOWN	CHECKED: R.F.
DESIGNED:	P.B.	DRAWN: S.S.
DATE:	3-1-85	SHEET 5 OF 7

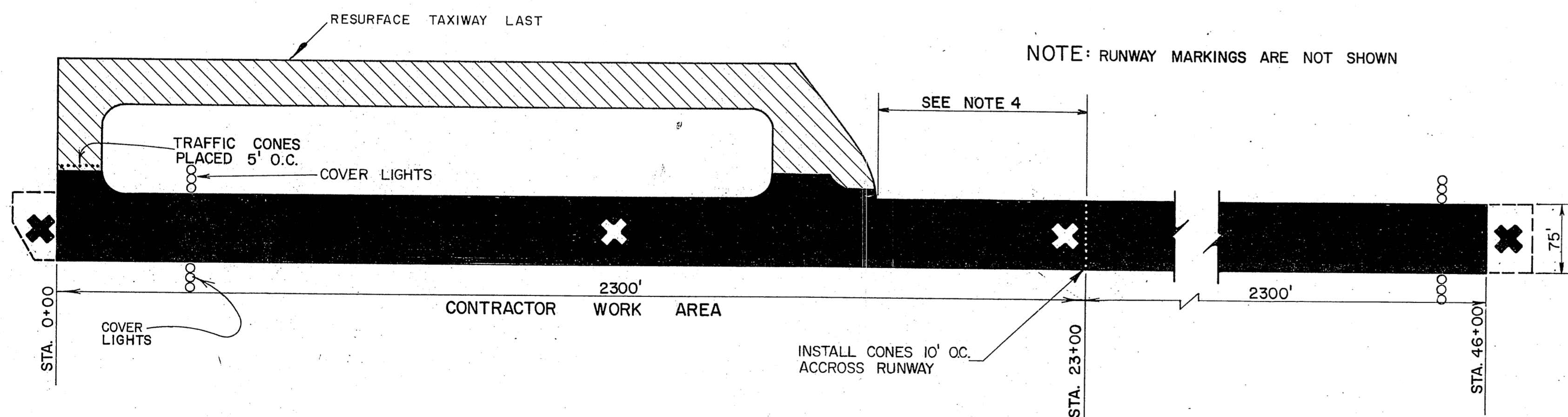
BY	DATE	CHANGE
REVISIONS		

NOTES

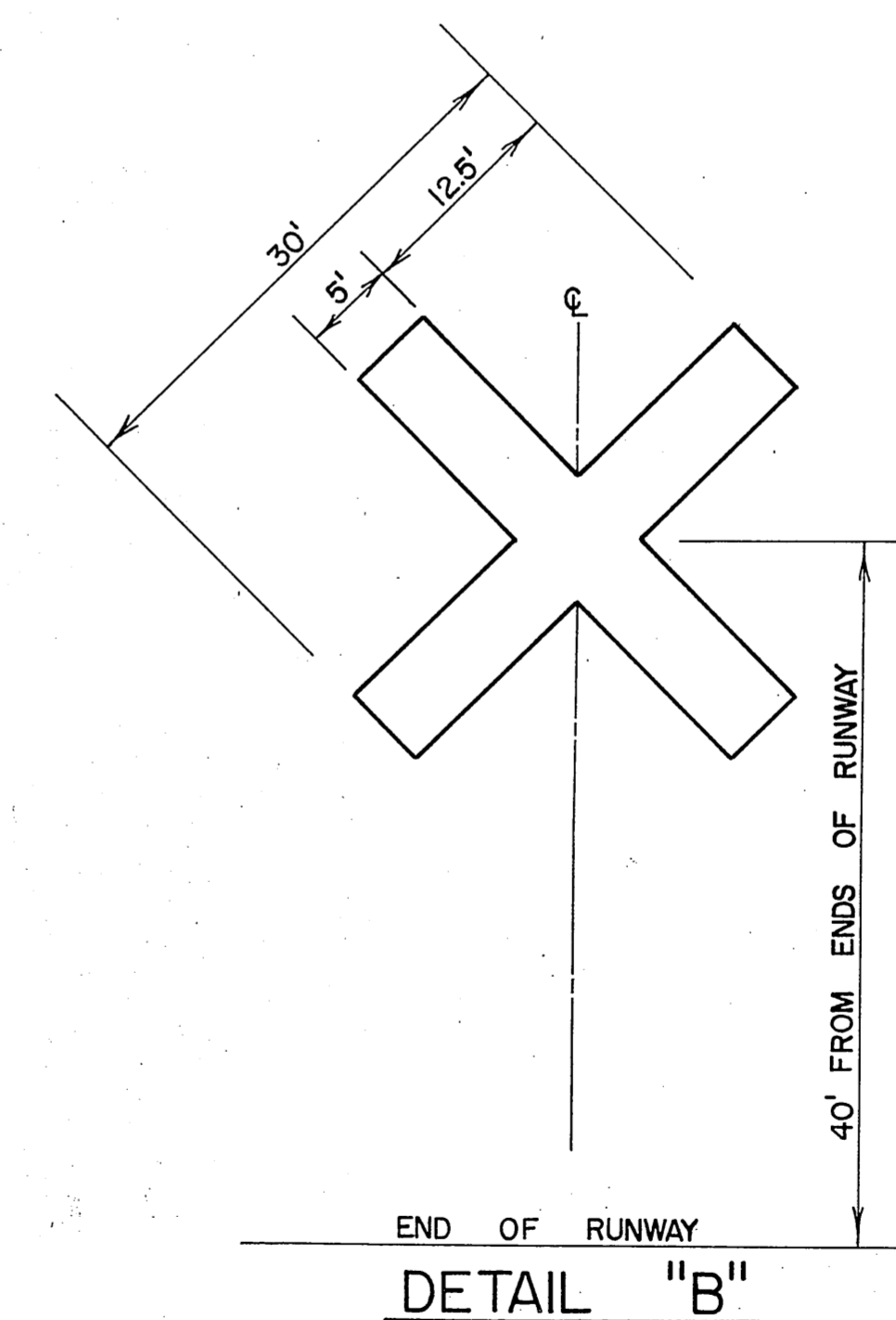
1. RUNWAY NUMBERS SHALL BE REMOVED IMMEDIATELY UPON CLOSURE. ALL OTHER MARKINGS SHALL BE RETAINED AS LONG AS POSSIBLE.
2. THE 18" TRAFFIC CONES SHALL BE CENTERED ON THE RUNWAY & TAXIWAY EXCEPT WHEN THIS LOCATION INTERFERES WITH THE WORK.
3. THE "X" MARKING (DETAIL B) SHALL BE MADE OF A SUITABLE MATERIAL TO RESIST RAIN, AND PROP WASH DAMAGE. PAINT SHALL NOT BE ALLOWED ON NEW A.C. PAVEMENT OR FOG SEAL.
4. CONTRACTOR SHALL ALLOW ACCESS TO TAXIWAY BY AIRCRAFT WHEN USING THE EAST END OF THE RUNWAY.



STEP TWO



STEP ONE

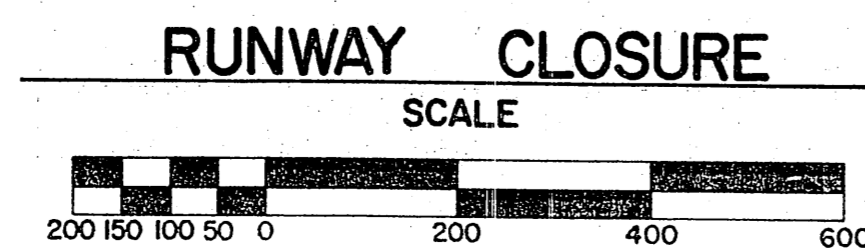
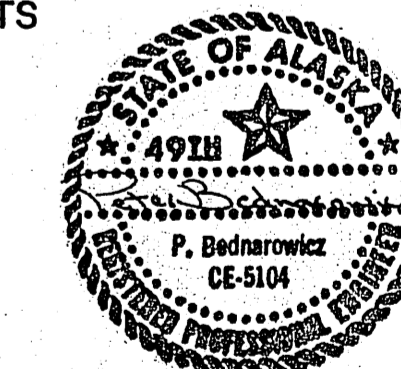


NOTES FOR R/W MARKING

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, AND MIDDLE OF THE CLOSED RUNWAY.

LEGEND

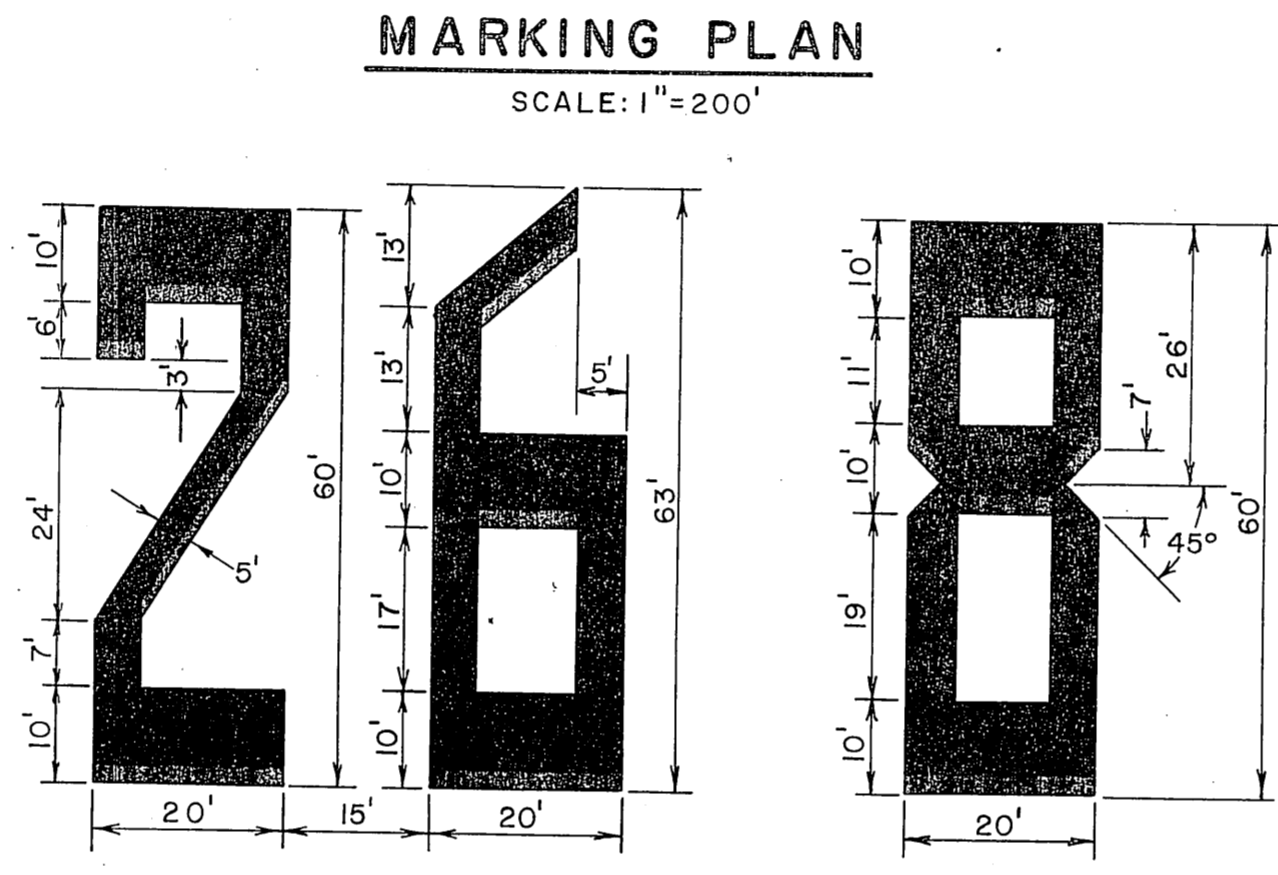
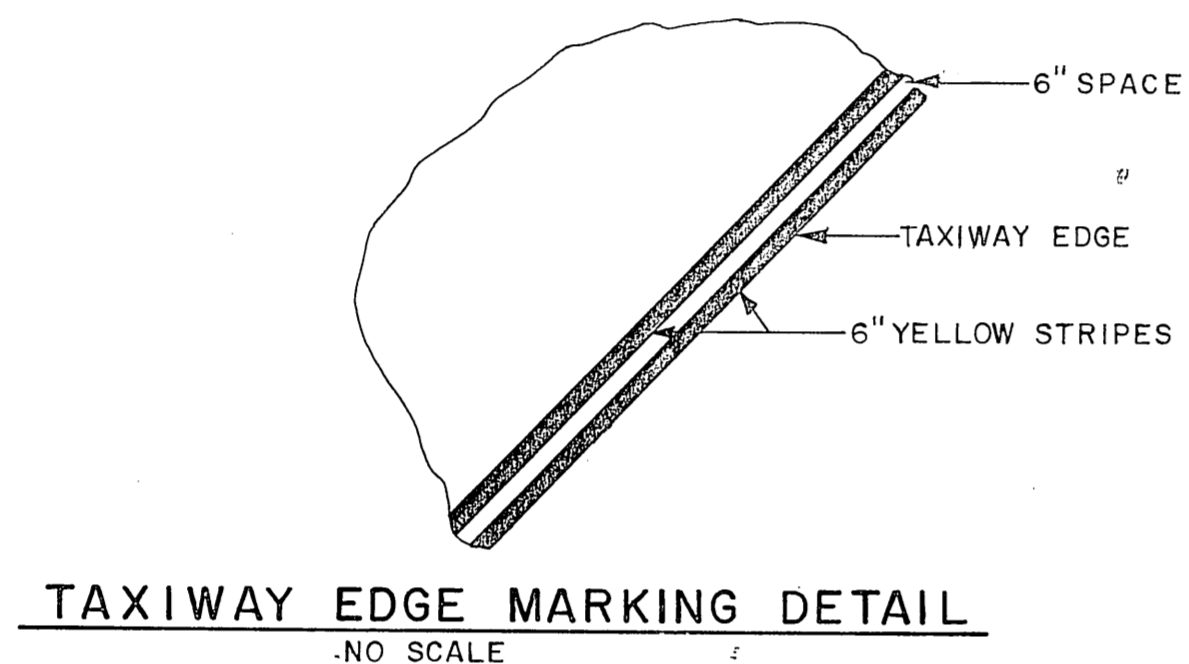
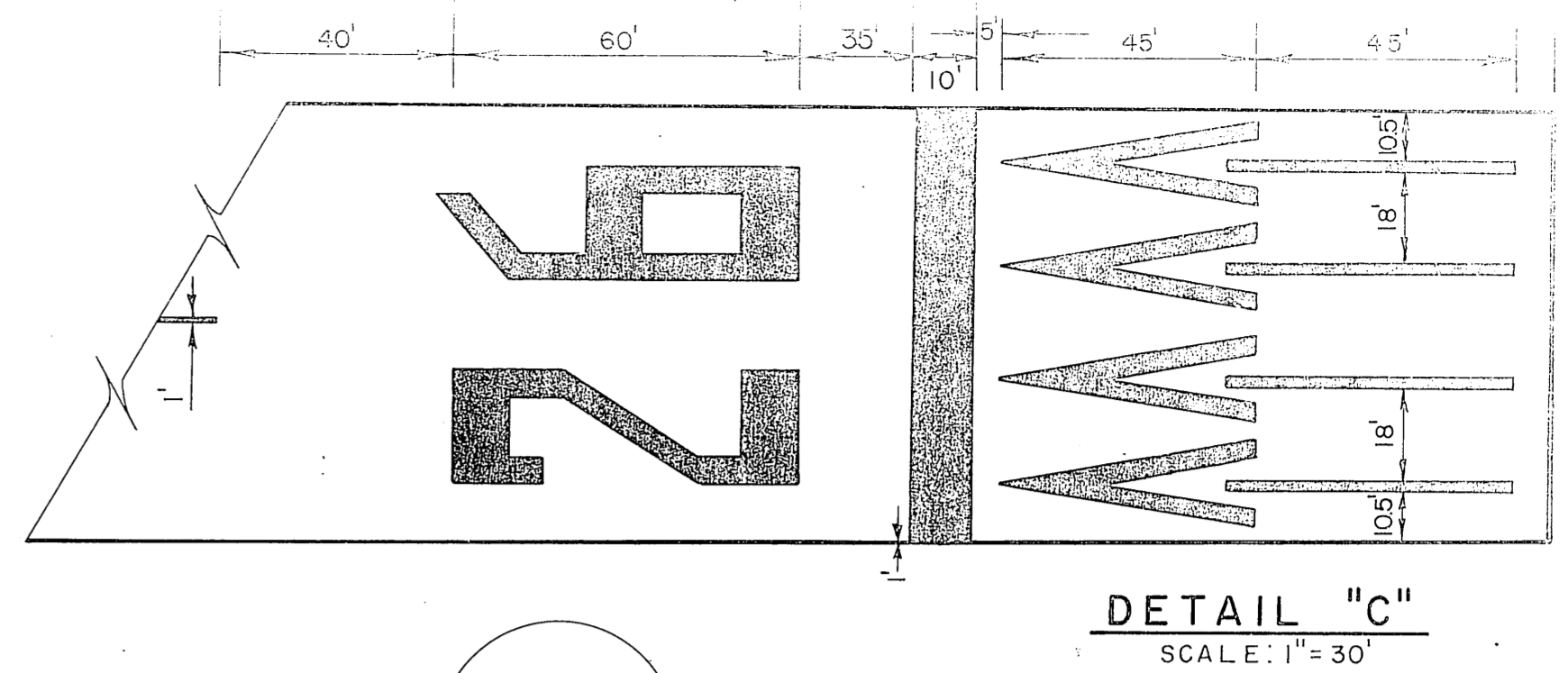
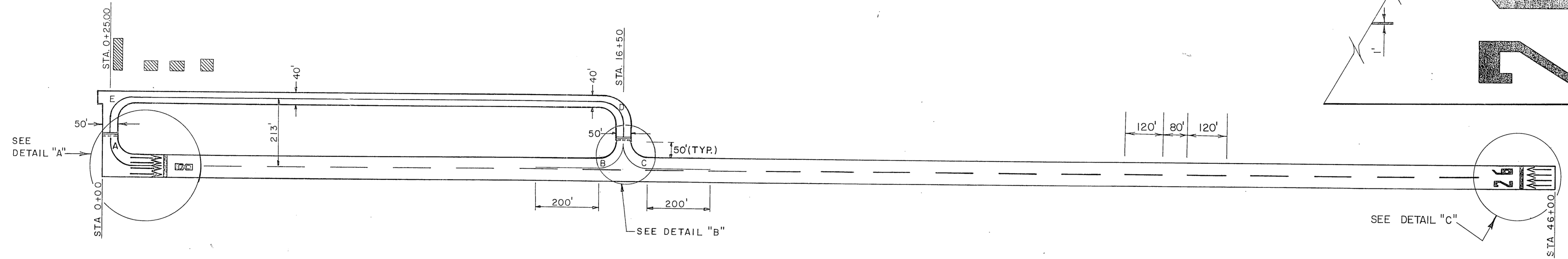
- X CLOSURE MARKER
- O THRESHOLD LIGHTS
- TRAFFIC CONES



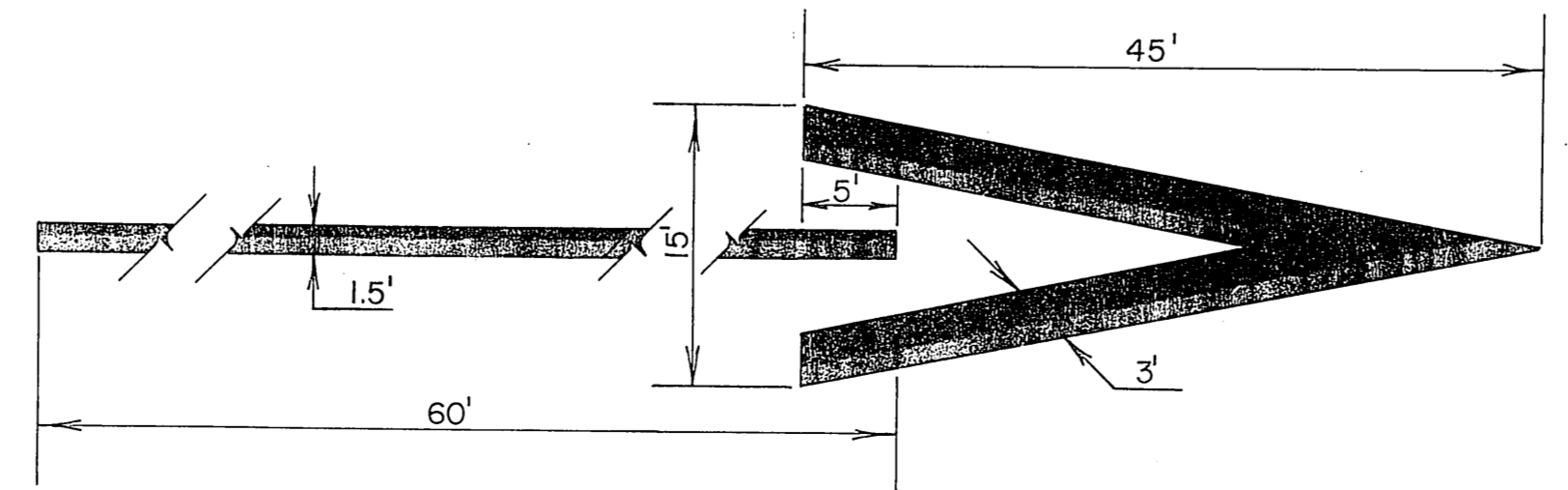
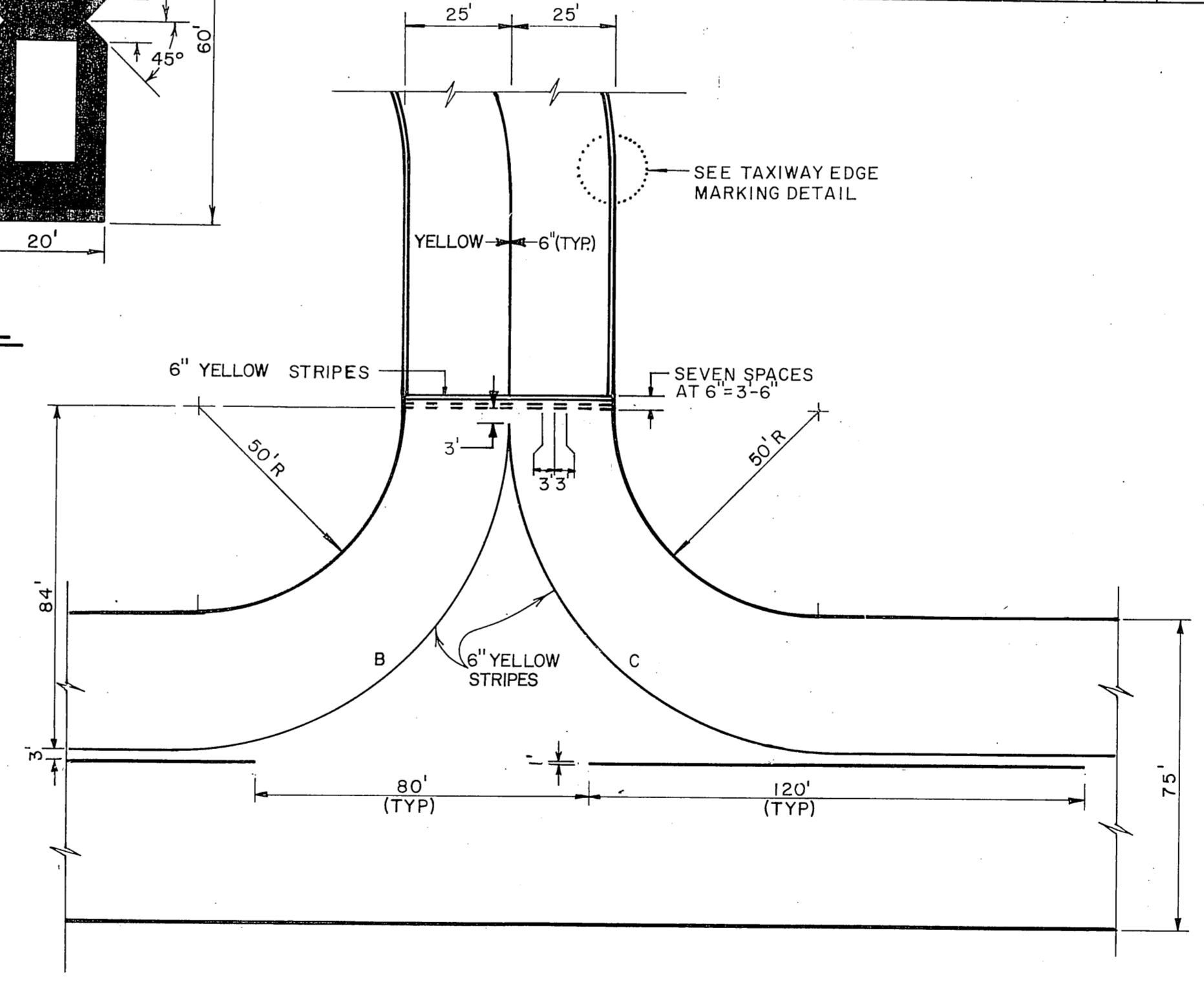
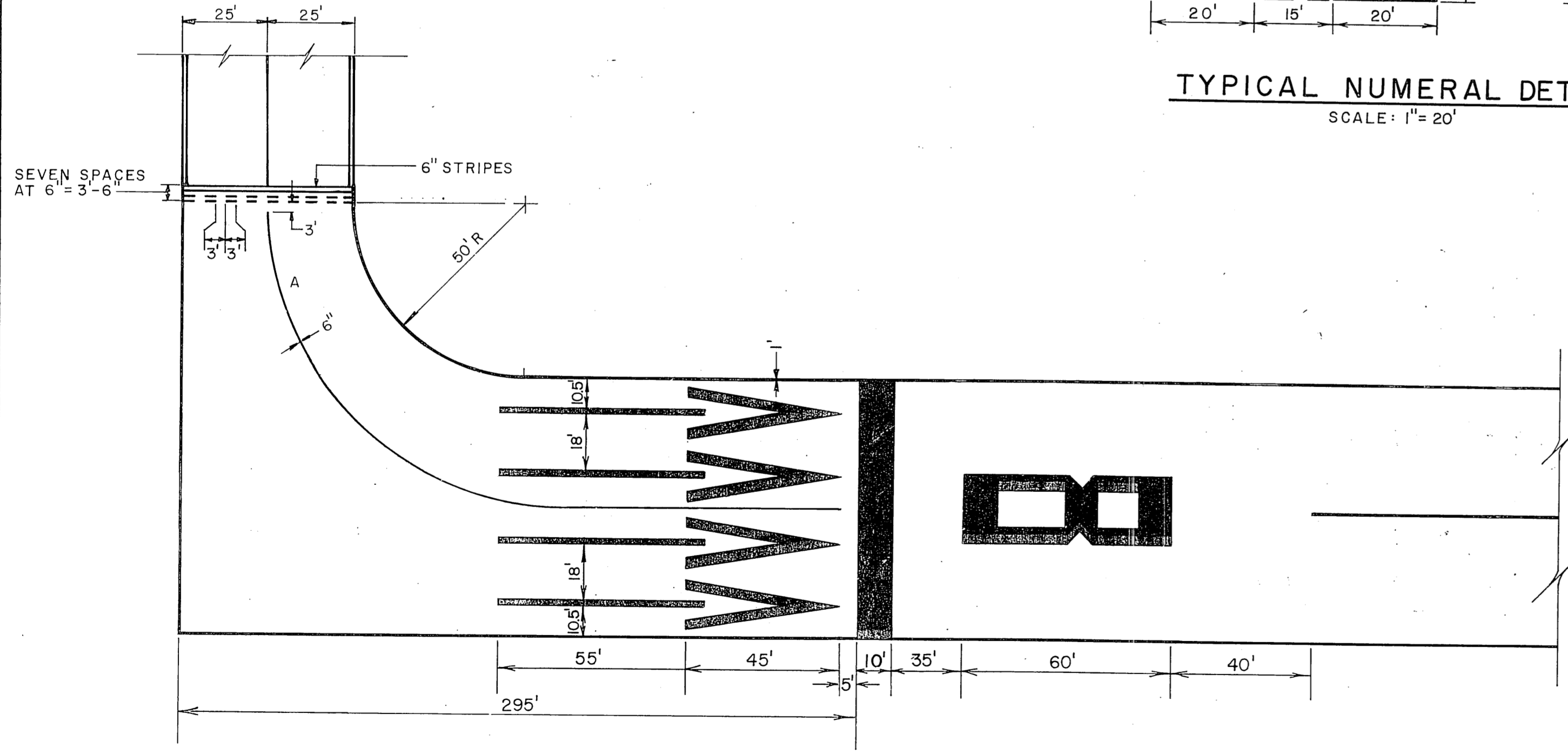
APPROVED BY: <i>Wallace K. Williams</i> 5/30/84 WALLACE K. WILLIAMS, P.E. CHIEF OF DESIGN	
APPROVED BY: <i>William C. Baumgartner</i> 5-30-84 FOR WILLIAM C. BAUMGARTNER, P.E. DESIGN CHIEF GROUP "B"	
BY: _____	DATE: _____
REVISIONS	
SCALE: AS SHOWN	CHECKED: R.F. DATE: 3-1-85
SHEET 6 OF 7	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION, DIVISION OF AVIATION DESIGN & CONSTRUCTION

HAINES AIRPORT
A.I.P. 3-02-0112-01
RUNWAY CLOSURE DETAIL



CURVE DATA										
CURVE	R	Δ	T	P.C.	OFFSET	P.I.	OFFSET	P.T.	OFFSET	L
A	81'	35° 28' 04"	25.9'	R/W STA. 0+40.00	37.5' LT. C.	R/W STA. 0+25.00	58.6' LT. C.	R/W STA. 0+25.00	84.5' LT. C.	50.00'
B	81'	90° 00' 00"	81.0'	R/W STA. 15+69.00	3.5' LT. C.	R/W STA. 16+50.00	3.5' LT. C.	R/W STA. 16+50.00	84.5' LT. C.	127.23'
C	81'	90° 00' 00"	81.0'	R/W STA. 16+50.00	84.5' LT. C.	R/W STA. 16+50.00	3.5' LT. C.	R/W STA. 17+31.00	3.5' LT. C.	127.23'
D	70'	90° 00' 00"	70.0'	R/W STA. 15+80.00	213' LT. C.	R/W STA. 16+50.00	213' LT. C.	R/W STA. 16+50.00	143' LT. C.	109.95'
E	70'	90° 00' 00"	70.0'	R/W STA. 0+25.00	143' LT. C.	R/W STA. 0+25.00	213' LT. C.	R/W STA. 1+95.00	213' LT. C.	109.95'



- NOTES**
- LAYOUT RUNWAY CENTERLINE SPACING FROM BOTH ENDS TOWARD CENTER.
 - ALL CURVE RADII ARE MEASURED TO CENTERLINE OF STRIPE.
 - SPACE NUMERALS 2 AND 6 FIFTEEN FEET APART, CENTERED ABOUT RUNWAY CENTERLINE.
 - SPACE NUMERAL 8 CENTERED ABOUT RUNWAY CENTERLINE.
 - ALL RUNWAY MARKINGS SHALL BE WHITE.
 - ALL TAXIWAY MARKINGS SHALL BE YELLOW.



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 DIVISION OF AVIATION-DESIGN AND CONSTRUCTION

HAINES AIRPORT
 A.I.P. 3-02-0112-01
 RUNWAY 8 TAXIWAY MARKING PLAN

APPROVED	WALLACE K. WILLIAMS 5/30/84 WALLACE K. WILLIAMS, CHIEF OF DESIGN		
APPROVED	Tracey W. Moore 5-30-84 for WILLIAM O. BAUMGARTER, DESIGN CHIEF GROUP B.		
SCALE	DESIGNED RB DRAWN JRL		
AS-SHOWN	CHECKED RF DATE 3-1-85		
BY	DATE	CHANGE	REVISIONS