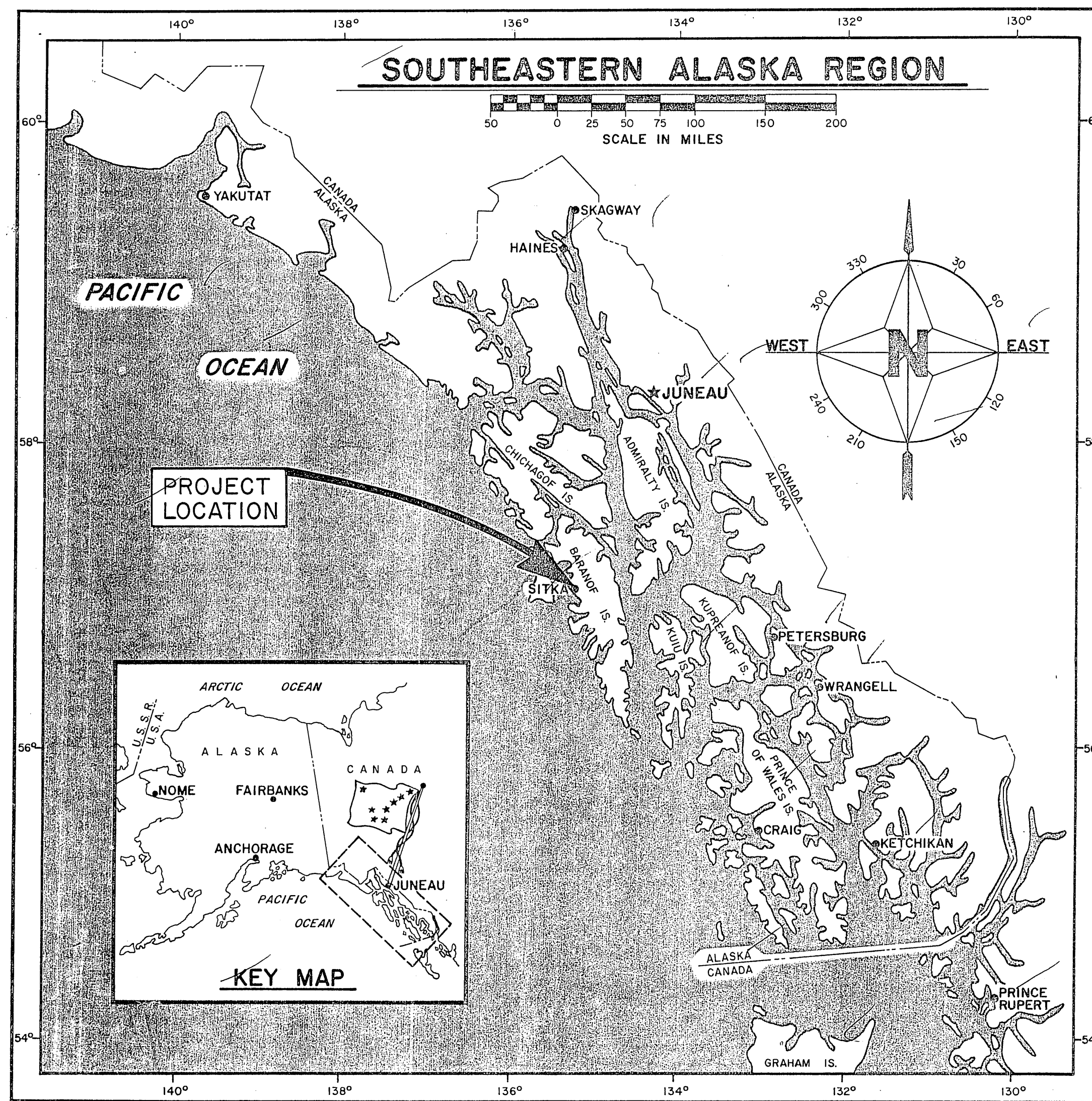




STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEASTERN REGION
DESIGN AND CONSTRUCTION DIVISION

SITKA AIRPORT IMPROVEMENTS
PROJECT NO. 69612
RUNWAY PAVING, GROOVING
AND MISCELLANEOUS AIRPORT IMPROVEMENTS

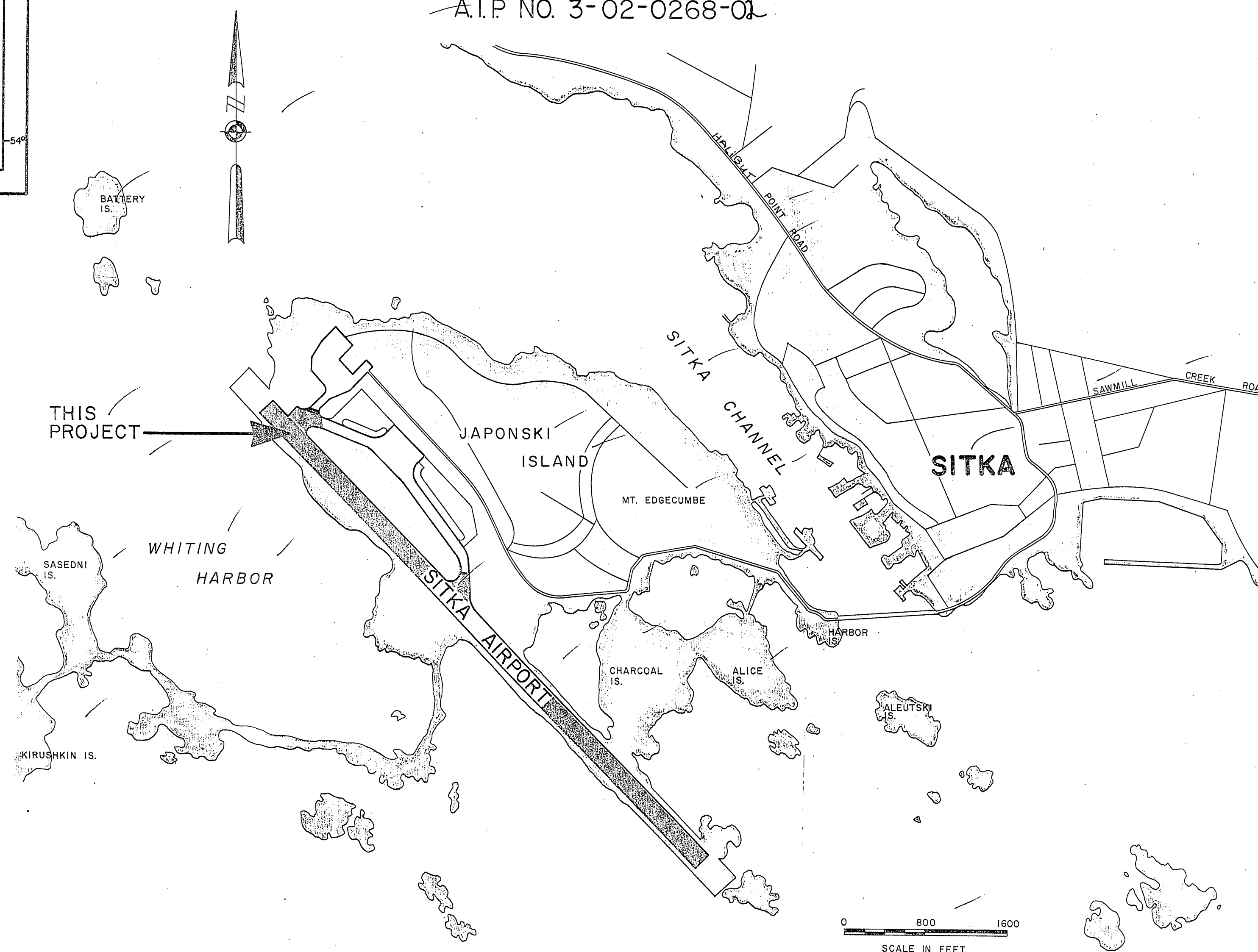
A.I.P. NO. 3-02-0268-01

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SITE PLAN, ESTIMATE OF QUANTITIES, BASIS OF ESTIMATE
3	TYPICAL SECTIONS
4	TAXIWAY DETAILS
5	STRIPING DETAILS
6	TAXIWAY GUIDANCE SIGN DETAILS
7	SIGN DETAIL SHEET, INLET DETAIL
8	RUNWAY CLOSURE PLAN

AS-BUILT PLANS
MAY 89 to July 89
GREG BROWNING
\$1,174,985.00

DESIGN DATA

RUNWAY LENGTH - 6500'
RUNWAY WIDTH - 150'
SAFETY AREA - 6900' X 195'
AIRPORT CATEGORY - TRANSPORT
RUNWAY CATEGORY - NON-PRECISION
RUNWAY SURFACE - ASPHALT CONCRETE



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

APPROVED
W. Merrill
S.E. Region Design Chief Date 7-20-88

APPROVED
E. W. Darnell
Director, S.E. Region Design & Construction Date 7-20-88

PROJECT NUMBER: 69612	ENGINEER'S STAMP 
DATE: 6-30-88	
SHEET 1 OF 8	

TYPICAL SECTION NOTES

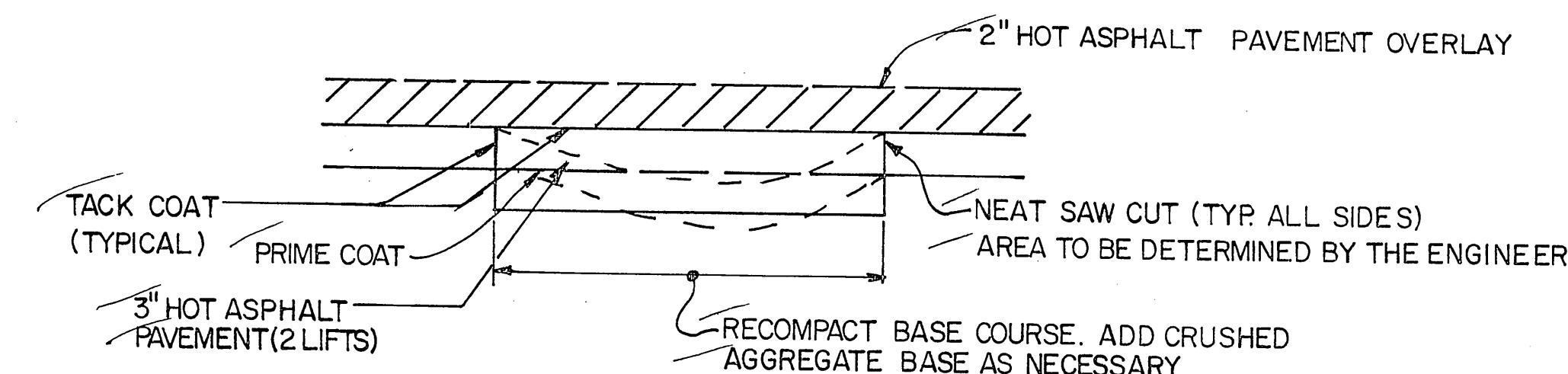
NOTE 1 BETWEEN STA. 99+00 AND STA. 100+50, AND STA. 112+00 AND STA. 113+50 PAVEMENT WIDTH SHALL BE 134.5' FROM CENTERLINE. BETWEEN STA. 100+50 AND STA. 101+00, STA. 113+50 AND STA. 114+00 PAVEMENT WIDTH TRANSITIONS FROM 134.5' TO 84.5'.

NOTE 2 PAVING GEOTEXTILE SHALL BE PLACED OVER EXISTING LONGITUDINAL CRACKS THAT ARE SPACED APPROX. 15' APART ACROSS THE WIDTH OF THE RUNWAY. FROM STA. 99+00 TO STA. 112+00 ONLY. THE PAVING GEOTEXTILE SHALL BE 6' WIDE AND CENTERED ON THE EXISTING CRACK. ADDITIONAL GEOTEXTILE MAY BE REQUIRED BY THE ENGINEER IN OTHER AREAS OF CRACKED PAVEMENT.

NOTE 3 CONTRACTOR MAY GRIND EXISTING PAVEMENT TO ACCOMPLISH PAVEMENT TRANSITION WITH THE APPROVAL OF THE ENGINEER

NOTE 4 PAVE FLUSH WITH THE TOP OF EXISTING LIGHT BASE. THE NEW PAVEMENT SHALL NOT OBSTRUCT ACCESS TO THE LIGHT BASE OR THE BREAKAWAY COUPLING. (BOTH SIDES)

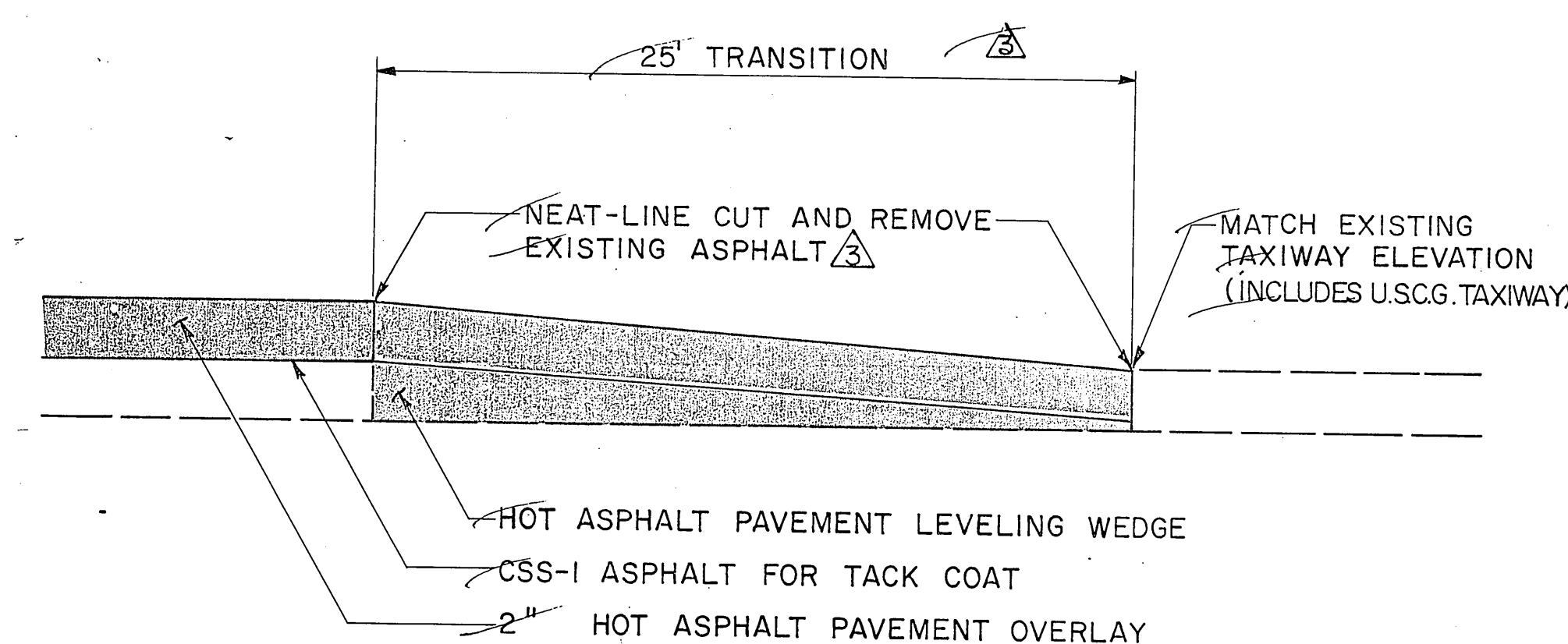
NOTE 5 ALL WORK INVOLVED WITH REPAIRING PAVEMENT AREAS SHALL BE CONSIDERED INCIDENTAL TO OTHER CONTRACT WORK. MATERIALS REQUIRED WILL BE PAID FOR AT CONTRACT UNIT BID PRICES.



PAVEMENT REPAIR DETAIL

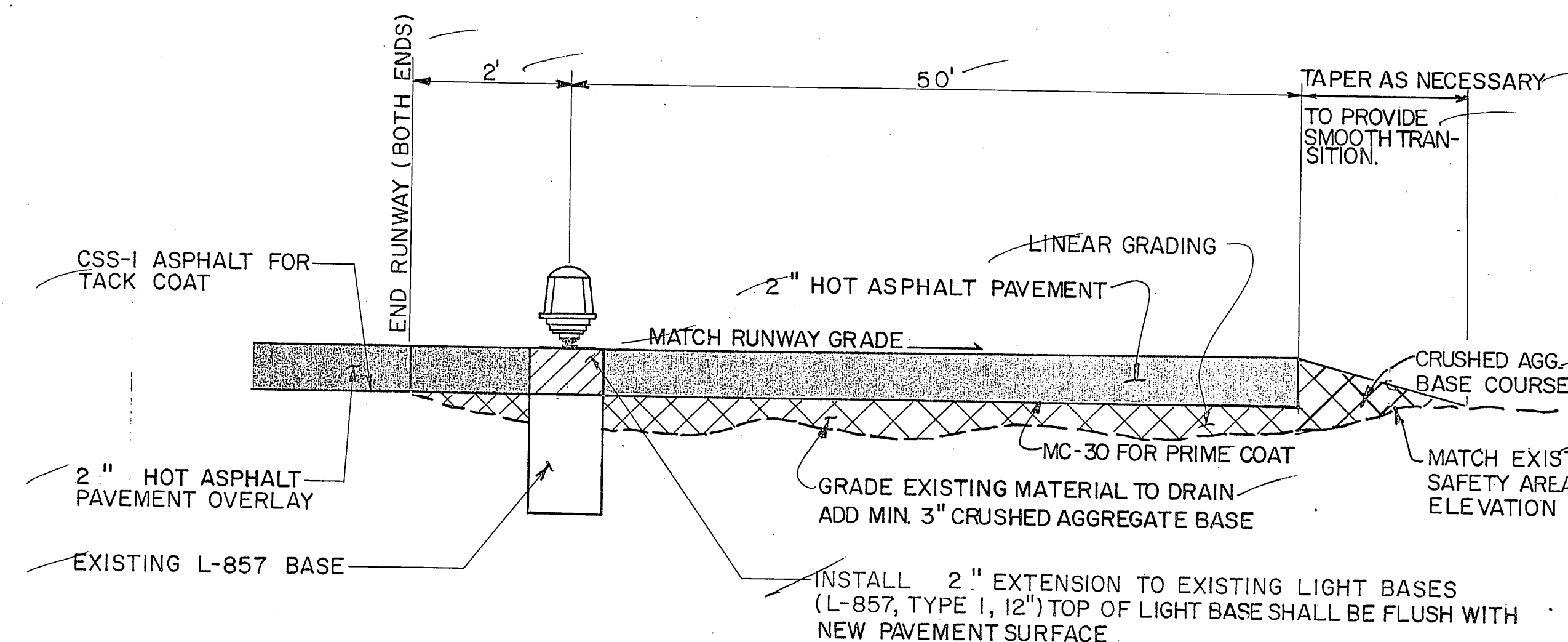
SUMMARY OF REPAIR AREAS	
STATION	OFFSET
136+50	115' RT.
150+00	38' LT.
160+30	160' RT.

STATIONS AND OFFSETS ARE APPROXIMATE.



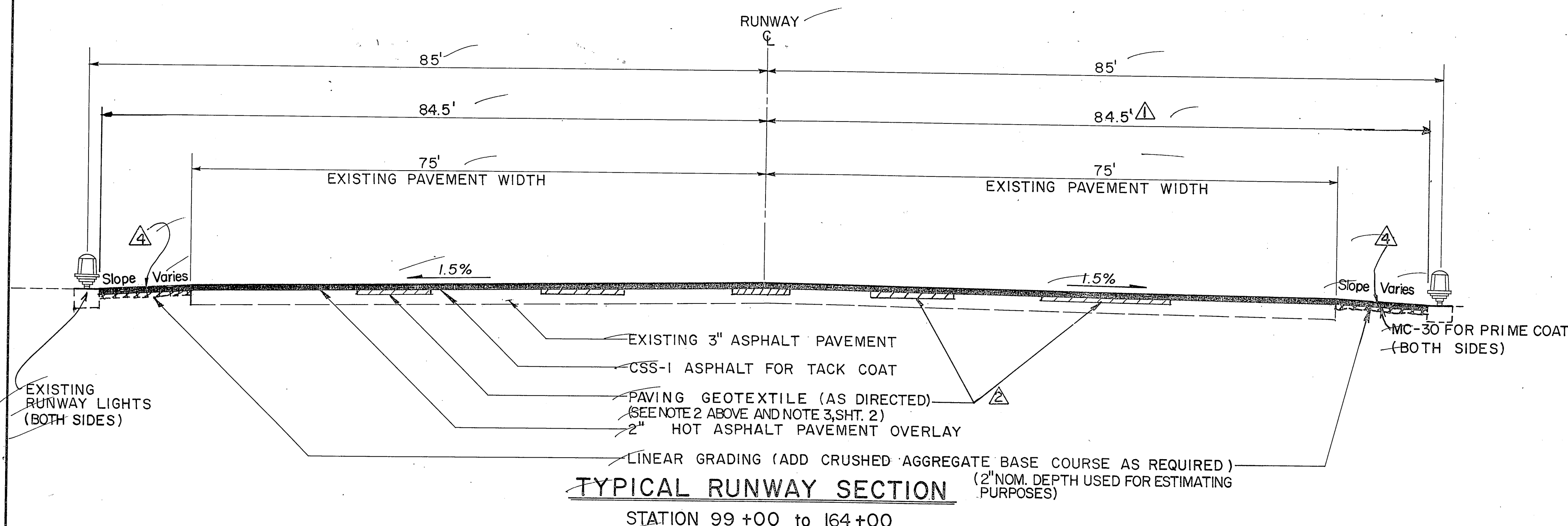
END PAVEMENT TRANSITION DETAIL

NO SCALE



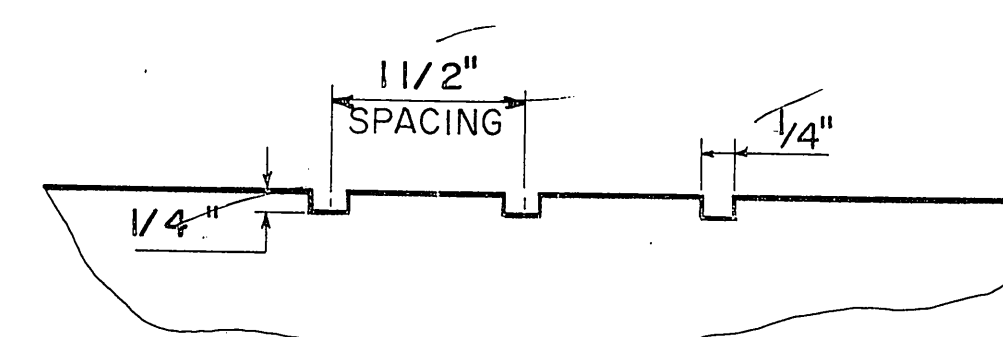
END OF RUNWAY PAVEMENT TRANSITION

BOTH ENDS



TYPICAL RUNWAY SECTION

STATION 99+00 to 164+00



TYPICAL GROOVE SECTION

NO SCALE

NOTE: SEE SECTION 280 OF THE SPECIAL PROVISIONS AND CONSTRUCTION SPECIFICATIONS FOR DETAILS OF THE GROOVING OPERATION.

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

SOUTHEAST REGION DESIGN & CONSTRUCTION

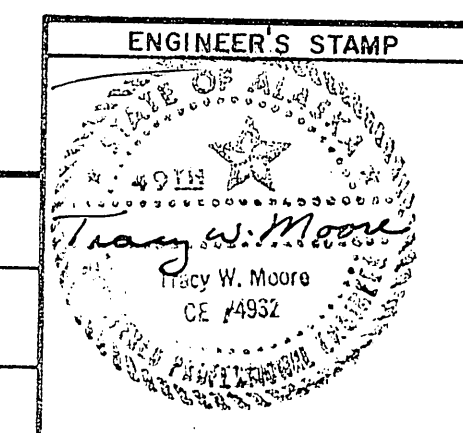
SITKA AIRPORT IMPROVEMENTS

project no. 69612

TYPICAL SECTIONS

APPROVED BY: *[Signature]* DESIGN CHIEF 7-20-88
 RECOMMENDED BY: *[Signature]* DESIGN ENGINEER, GROUP "B" 7-20-88
 PREPARED BY: *[Signature]* PROJECT MANAGER

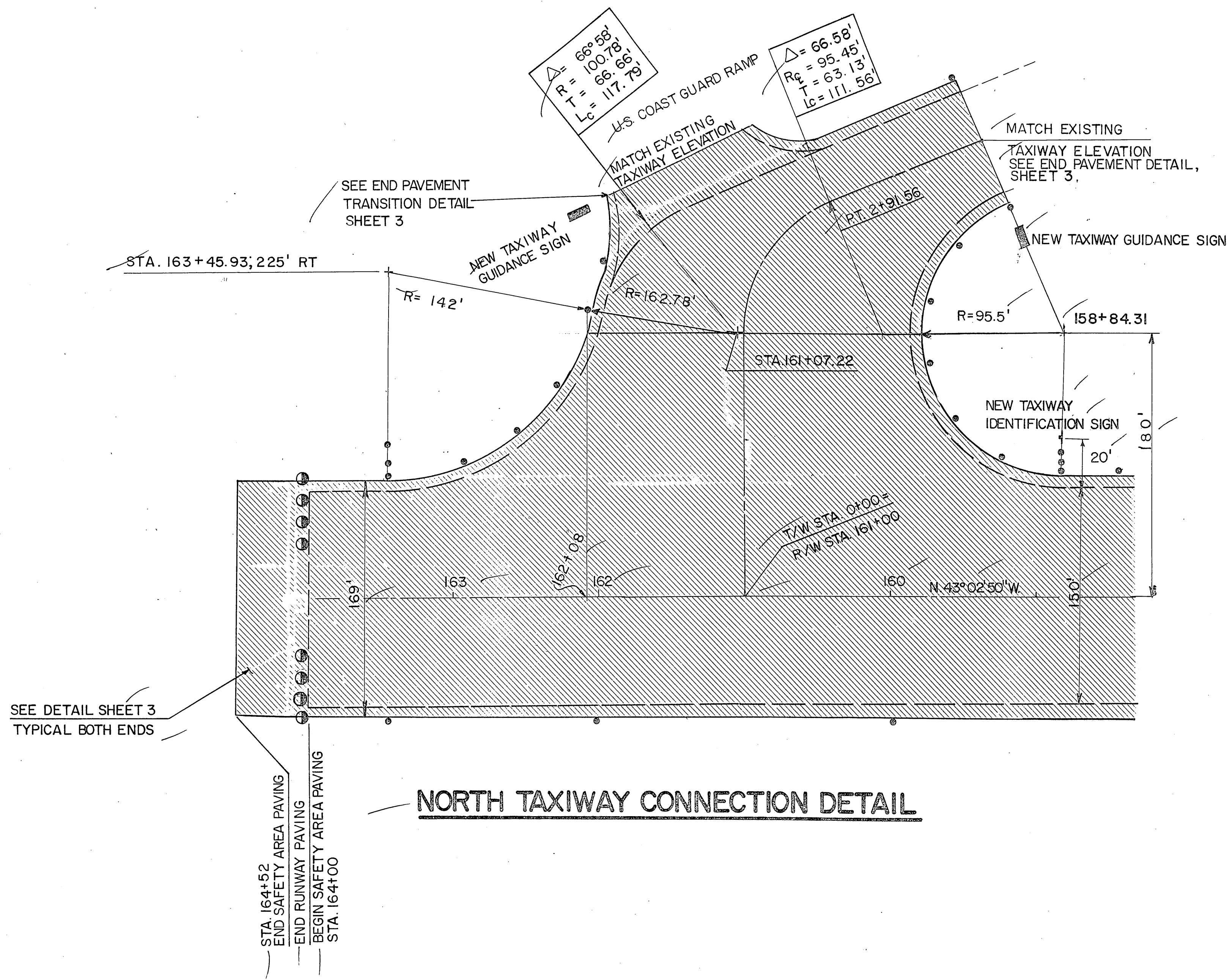
DESIGNED BY: M. J. Coffey
 DRAWN BY: R. B. Snyder
 CHECKED BY: T. W. Moore
 SCALE: NONE
 DATE: 6-30-88
 SHEET 3 OF 8



16 SUPPLIES 11/20/88

BY	DATE	DESCRIPTION OF CHANGE

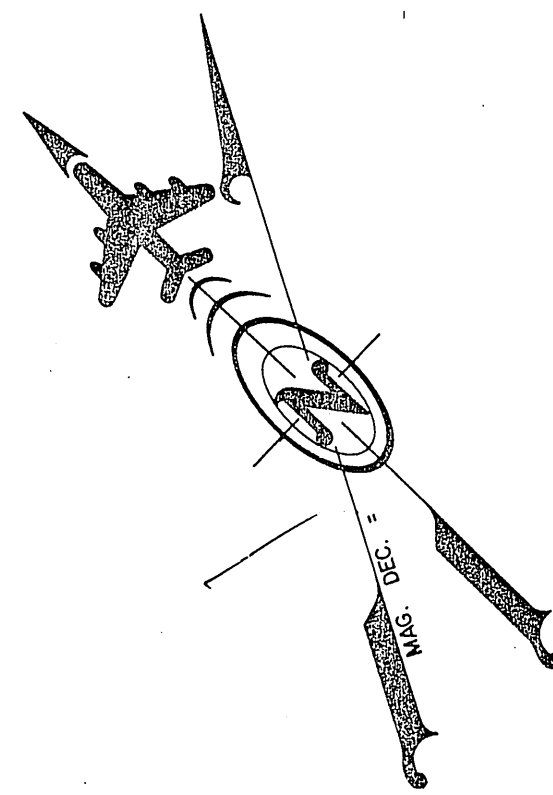
RECORD OF REVISIONS



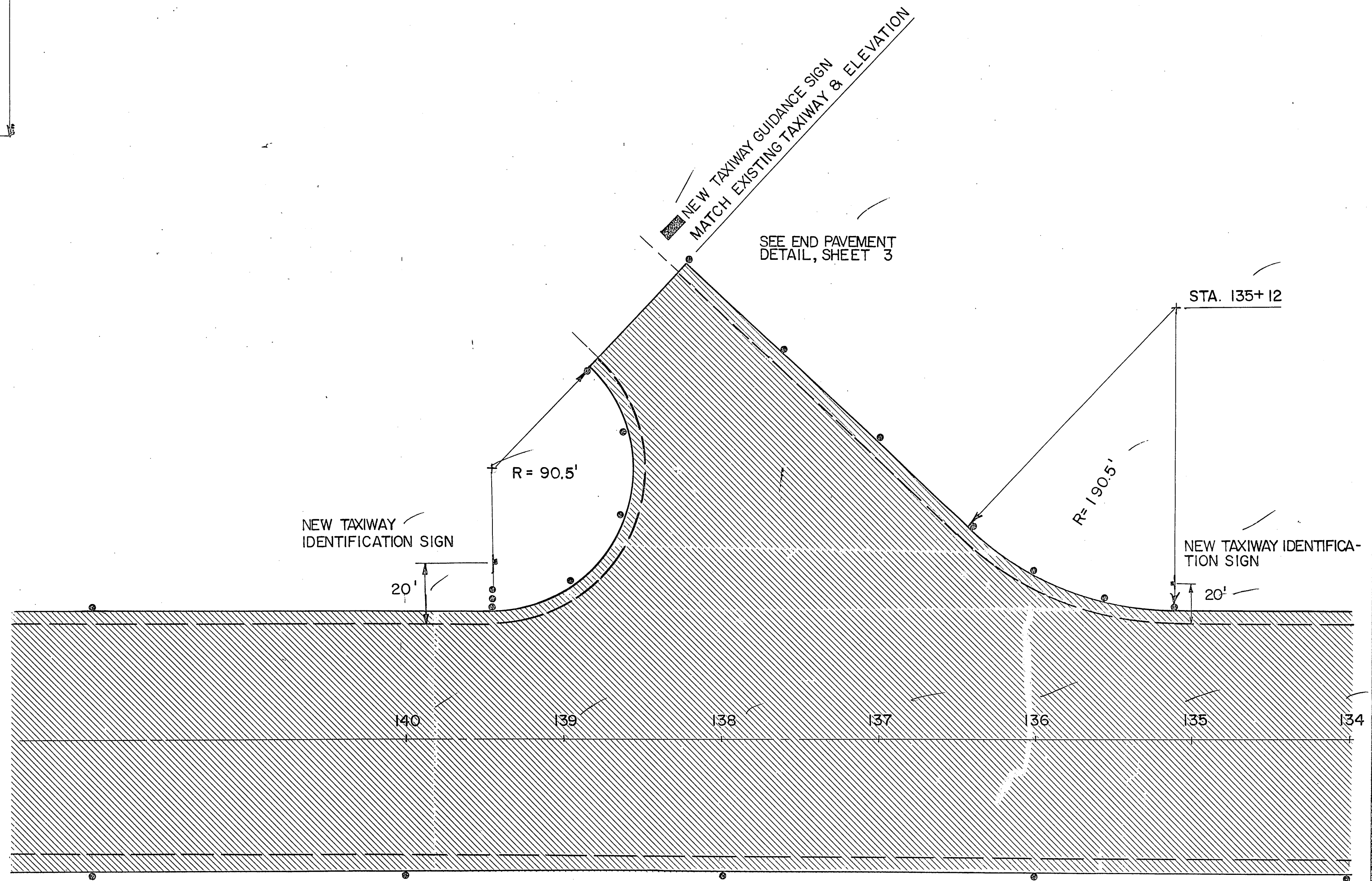
NORTH TAXIWAY CONNECTION DETAIL

NOTES

- ① STATIONING AND RADII SHOWN ON THIS SHEET ARE BASED ON AVAILABLE INFORMATION AND HAVE NOT BEEN FIELD VARIFIED. MINOR VARIATIONS MAY BE REQUIRED.
- ② TAXIWAY PAVING SHALL END AT THE P.T. OF THE RADII SHOWN, OR AS DIRECTED.
- ③ TAXIWAY PAVING SHALL HAVE THE SAME STRUCTURAL SECTION AS THE ADJACENT RUNWAY SECTION.
- ④ THE ENGINEER SHALL DETERMINE THE OVERLAY AND GROOVING LIMITS.



- LEGEND**
- EXISTING TAXIWAY AND/OR RUNWAY LIGHT.
 - EXISTING THRESHOLD LIGHT
 - HOT ASPHALT PAVEMENT OVERLAY

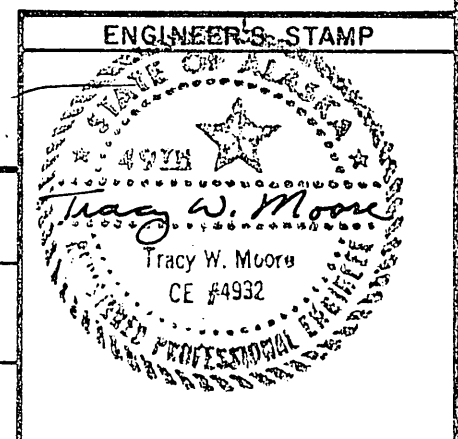


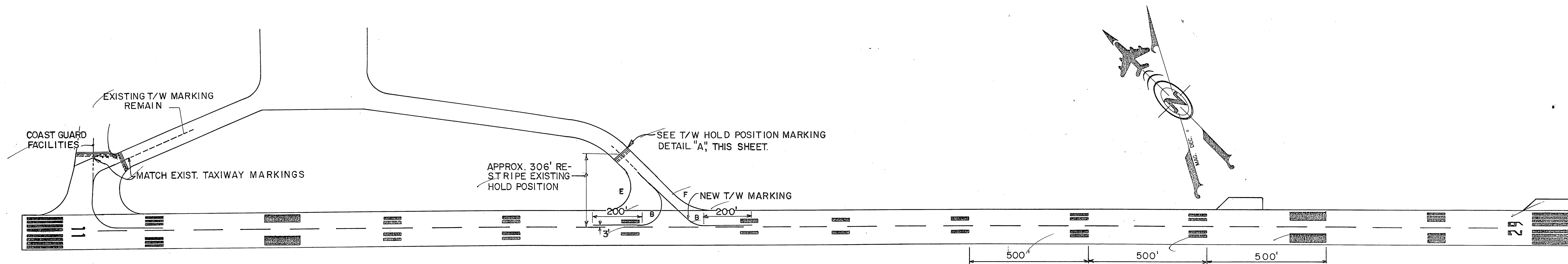
SOUTH TAXIWAY CONNECTION DETAIL

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION DESIGN & CONSTRUCTION		
BY	DATE	DESCRIPTION OF CHANGE
RECORD OF REVISIONS		

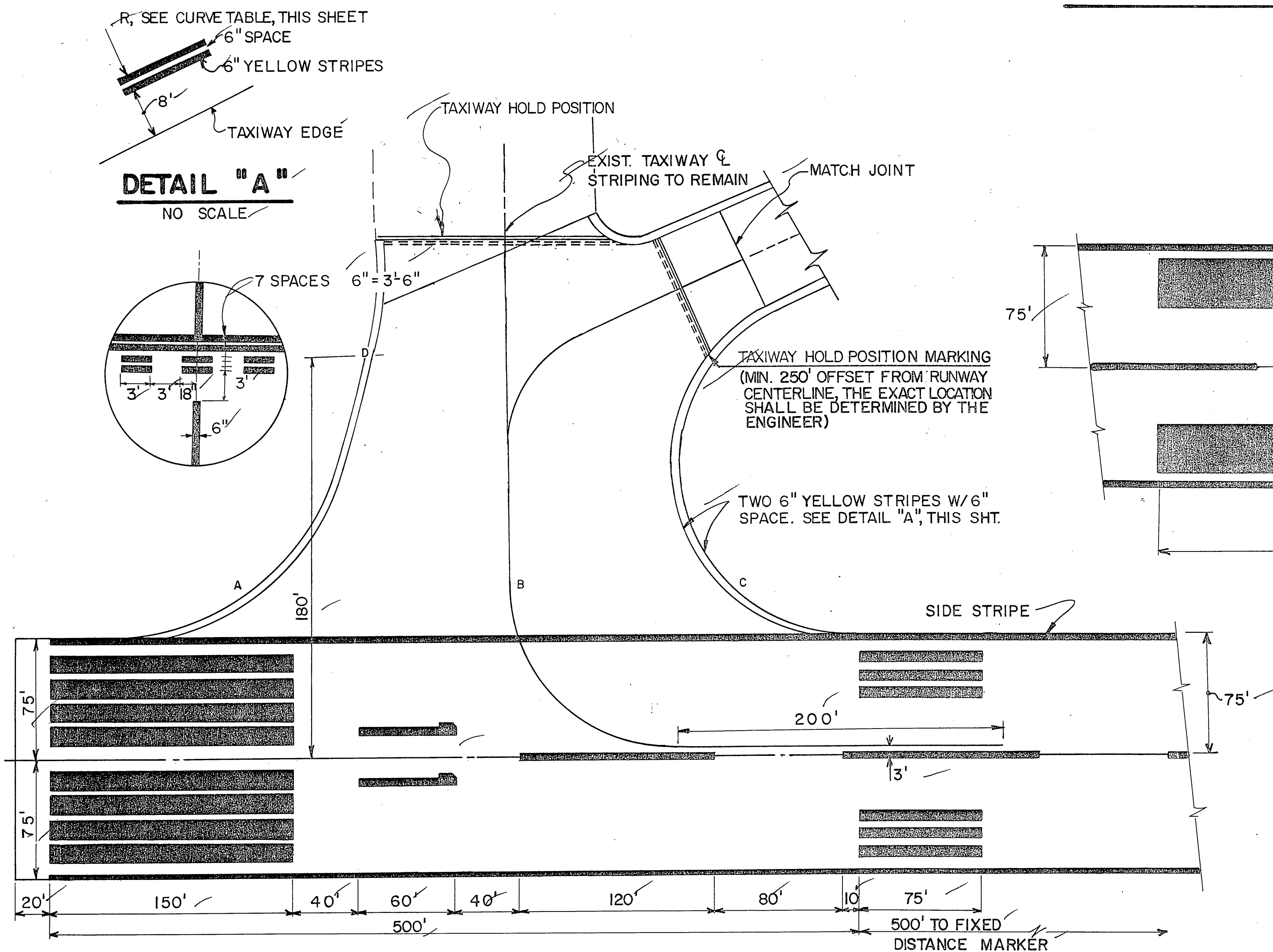
SITKA AIRPORT IMPROVEMENTS
project no. 69612
TAXIWAY DETAILS

APPROVED BY: <i>[Signature]</i> DESIGN CHIEF DATE: 7-20-88	DESIGNED BY: M.J. Coffey	SCALE: 1" = 50'
RECOMMENDED BY: <i>[Signature]</i> DESIGN ENGINEER, GROUP "B" DATE: 7-20-88	DRAWN BY: C.S. Anderson	DATE: 6-30-88
PREPARED BY: <i>[Signature]</i> PROJECT MANAGER	CHECKED BY: T.W. Moore	SHEET 4 OF 8

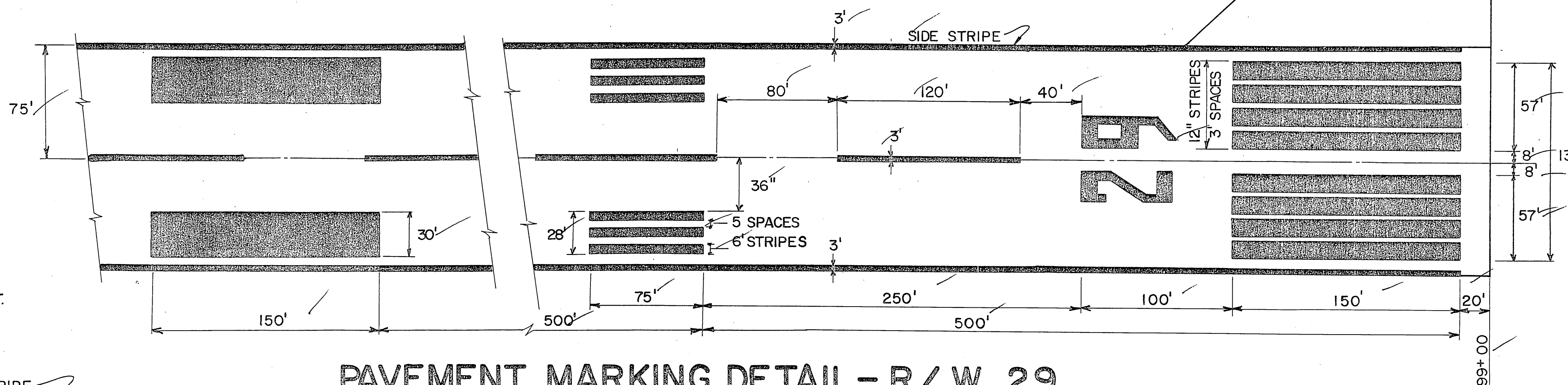




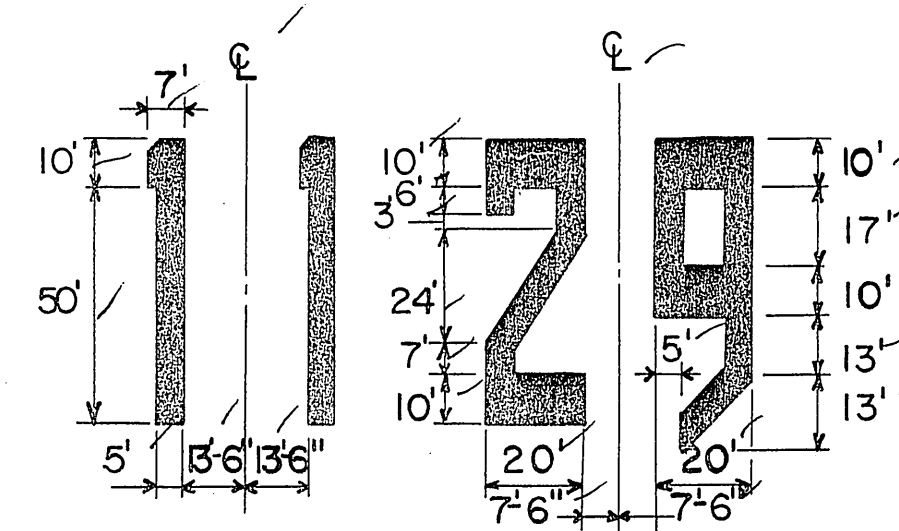
PAVEMENT MARKING PLAN



PAVEMENT MARKING DETAIL - R/W 11



PAVEMENT MARKING DETAIL - R/W 29



TAXIWAY STRIPING CURVE DATA	
CURVE	RADIUS
A	150'
B	
C	105'
D	92.78'
E	100'
F	200'

NOTES

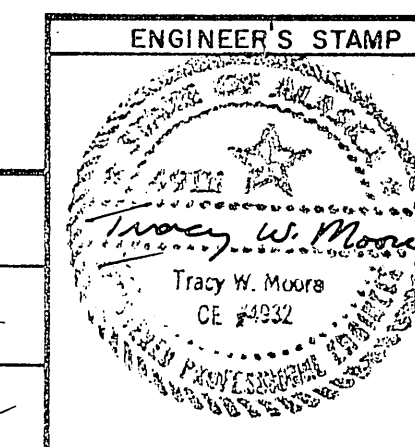
1. LAYOUT RUNWAY CENTERLINE SPACING FROM BOTH ENDS TOWARD CENTER.
2. ALL RUNWAY MARKINGS SHALL BE ACCOMPLISHED USING AVIATION WHITE.
3. ALL TAXIWAY MARKINGS SHALL BE ACCOMPLISHED USING AVIATION YELLOW.
4. THE NEW TAXIWAY MARKINGS FOR BOTH TAXIWAYS SHALL MATCH THE EXISTING STRIPING. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO RECORD THE EXISTING MARKINGS AND TO DUPLICATE ON THE FINISHED PAVEMENT.
5. THE CONTRACTOR SHALL, WEATHER PERMITTING, COMPLETE ALL RUNWAY / TAXIWAY PAVEMENT MARKINGS WITHIN 48 HOURS FOLLOWING THE COMPLETION OF PAVING OPERATIONS.

STATE OF ALASKA	
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES	
SOUTHEAST REGION DESIGN & CONSTRUCTION	
BY	DATE
DESCRIPTION OF CHANGE	
RECORD OF REVISIONS	

SITKA AIRPORT IMPROVEMENTS
project no. 69612
STRIPING PLAN

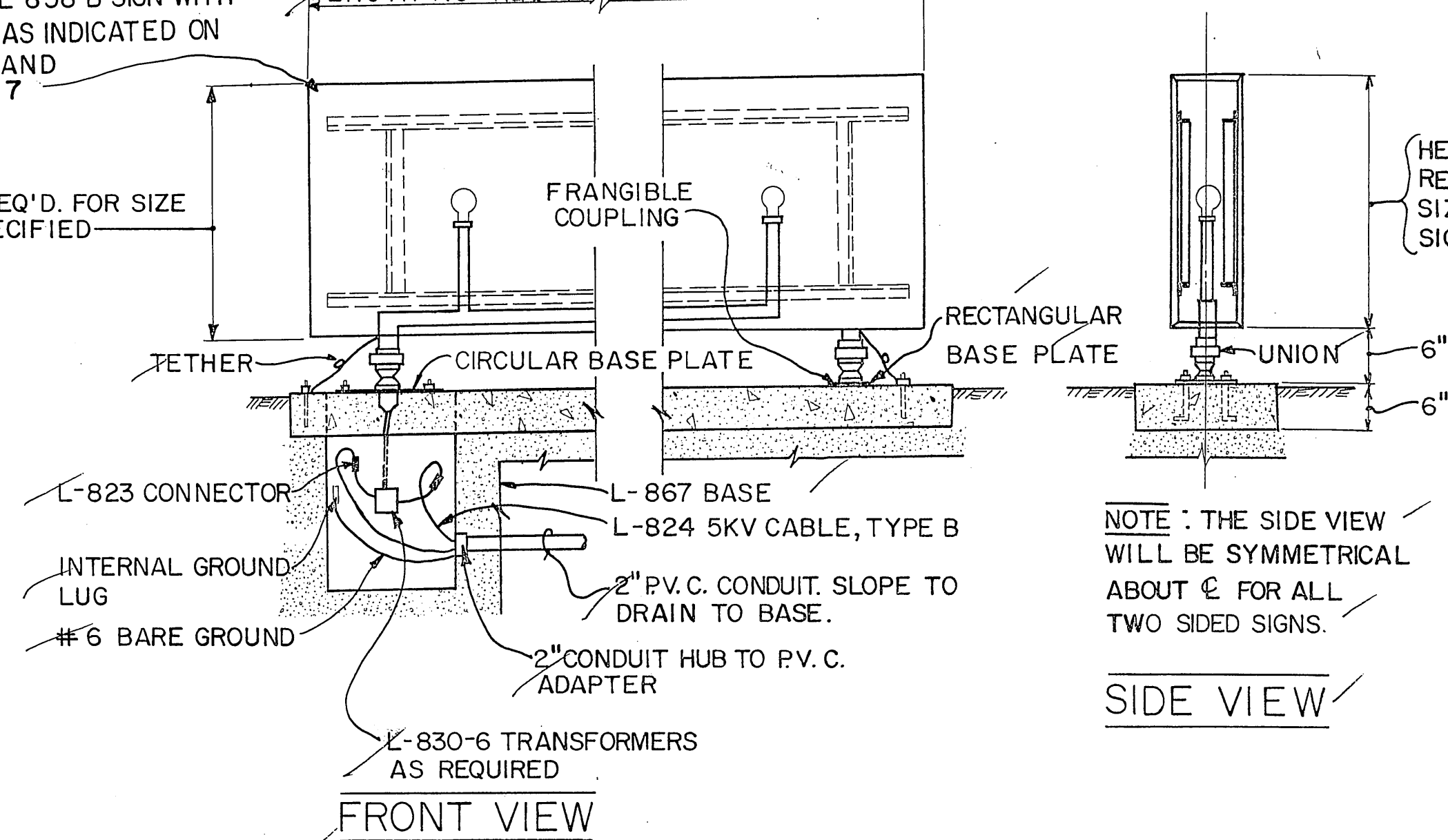
APPROVED BY: <i>[Signature]</i>	DESIGN: CHIEF	DATE: 7-20-88
RECOMMENDED BY: <i>[Signature]</i>	DESIGN ENGINEER, GROUP "B"	DATE: 7-20-88
PREPARED BY: <i>[Signature]</i>	PROJECT MANAGER	LEAD DESIGNER

DESIGNED BY: M.J. Coffey	SCALE: NONE
DRAWN BY: C.S. Anderson	DATE: 6-30-88
CHECKED BY: T.W. Moore	SHEET 5 OF 8



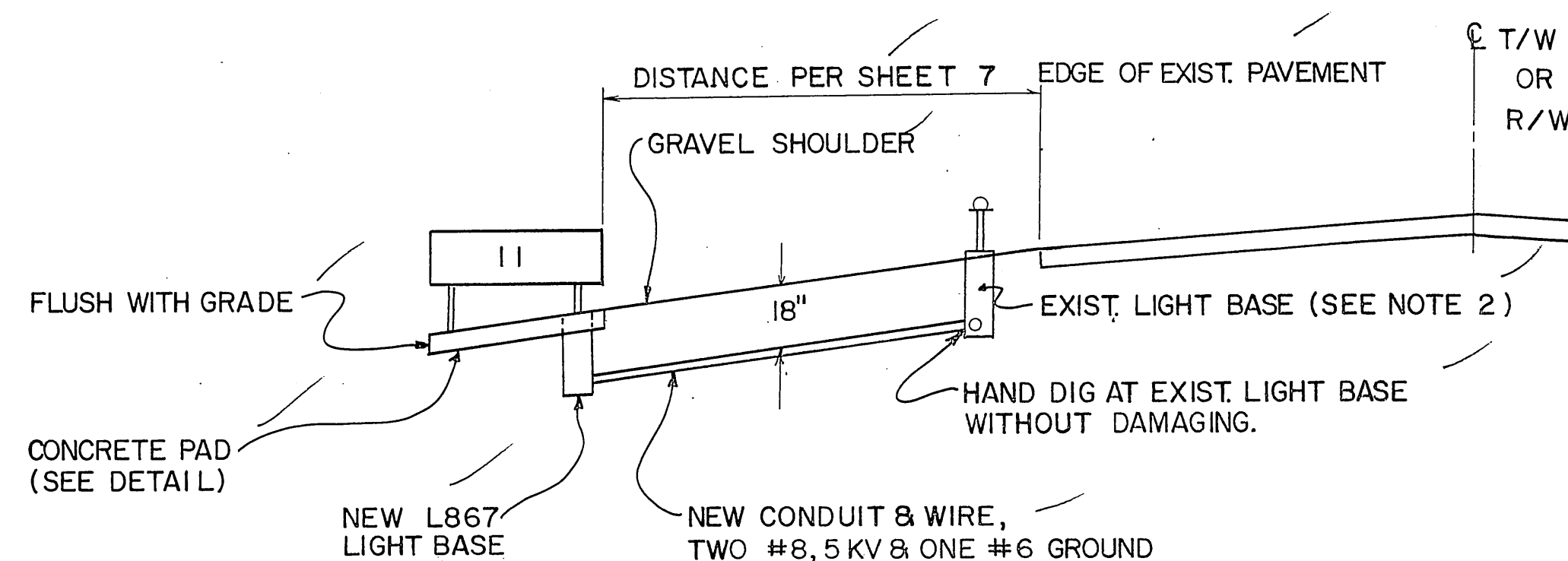
HEIGHT AS REQ'D. FOR SIZE
OF SIGN SPECIFIED _____

~~LENGTH AS REQUIRED BY FAA SPECIFICATIONS~~



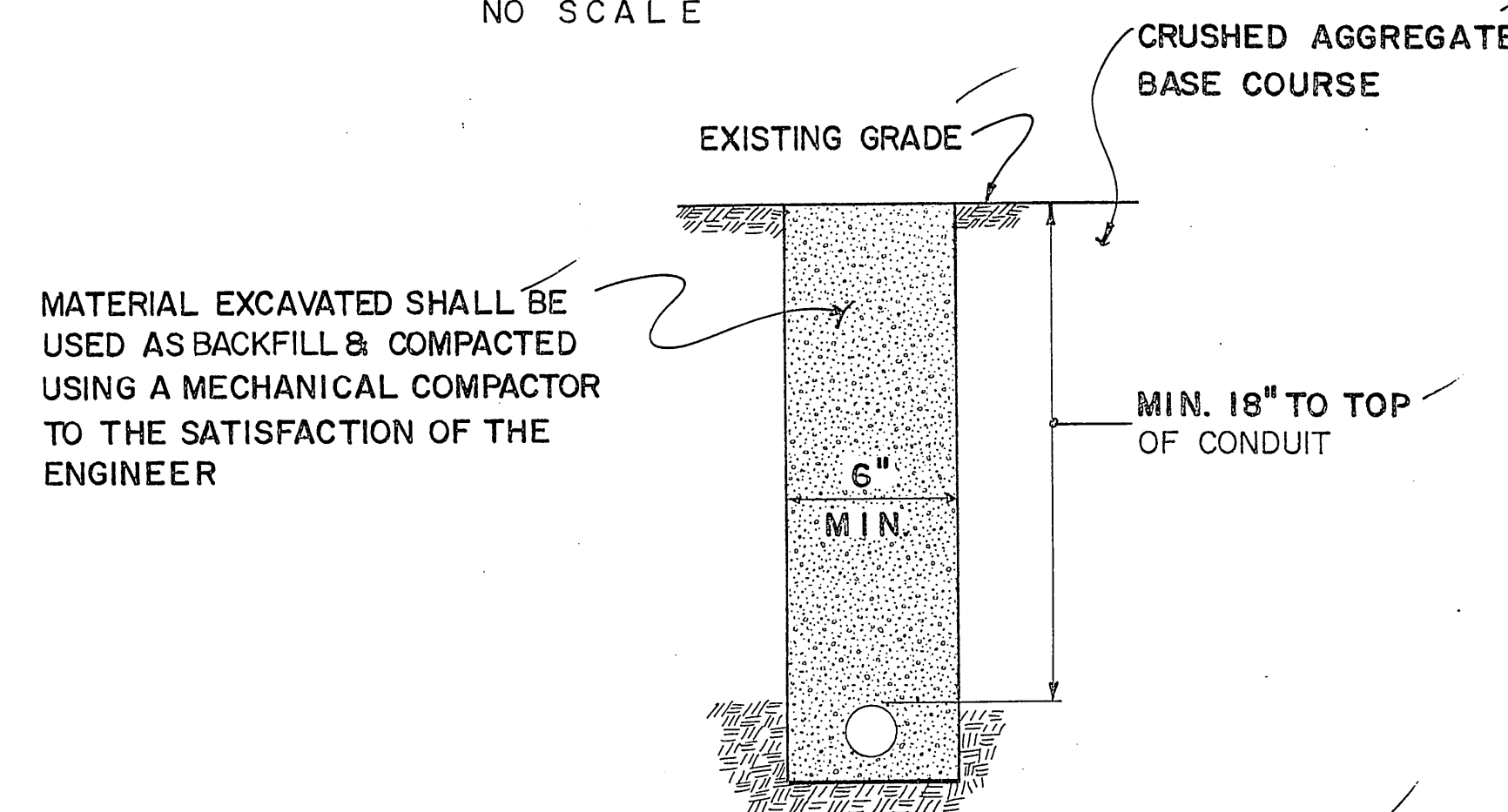
LIGHTED SIGN DETAIL

NO SCALE



CROSS-SECTION DETAIL

NO SCALE

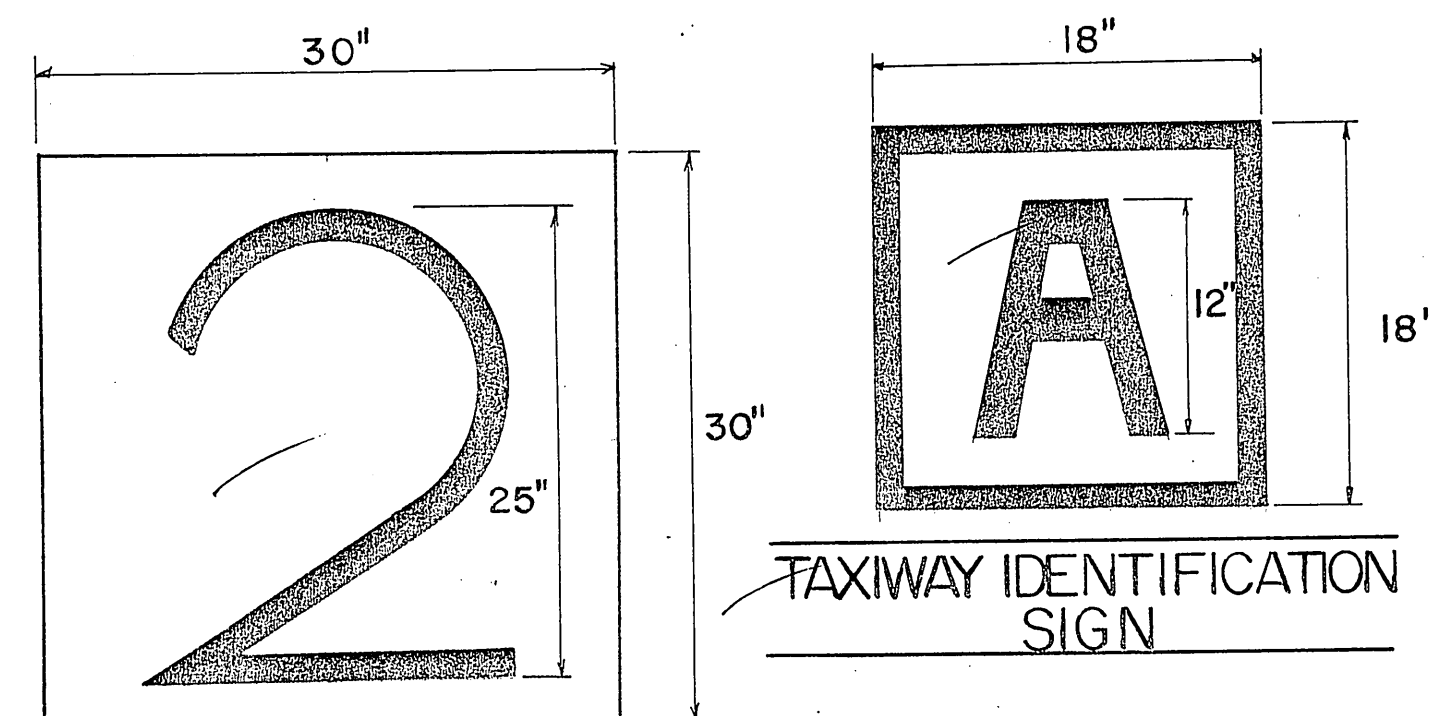


CONDUIT TRENCH DETAIL

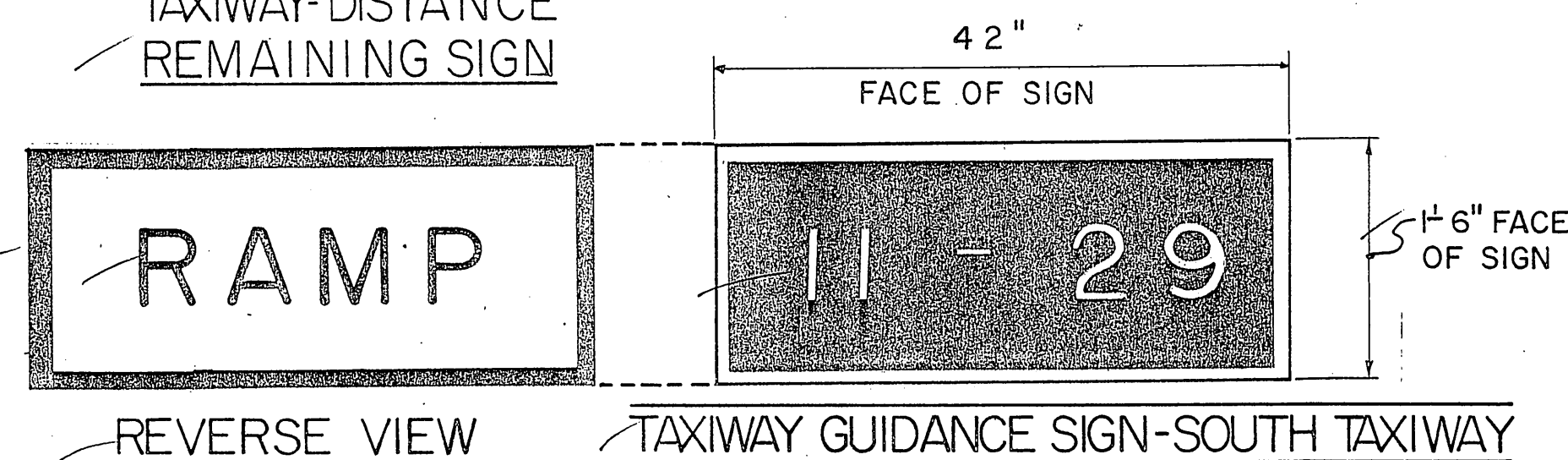
NO SCALE

NOTES

1. TO LOCATE TYPE L-658 R 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" CONDUIT STUB FLARED ON INSIDE OF BASE.

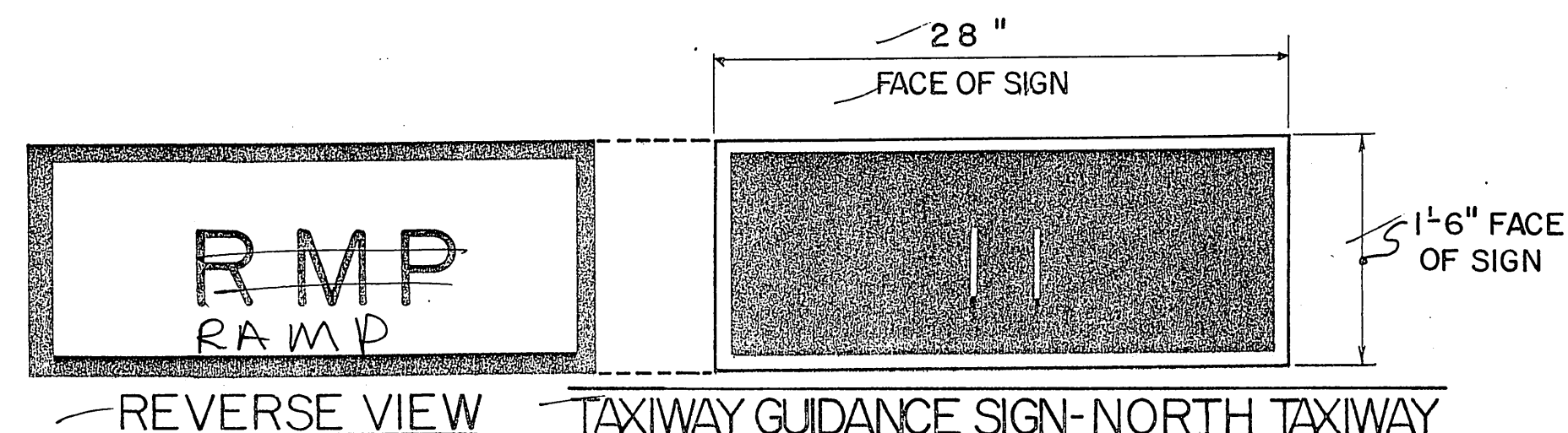


TAXIWAY- DISTANCE
REMAINING SIGN



REVERSE VIEW

TAXIWAY GUIDANCE SIGN-SOUTH TAXIWAY



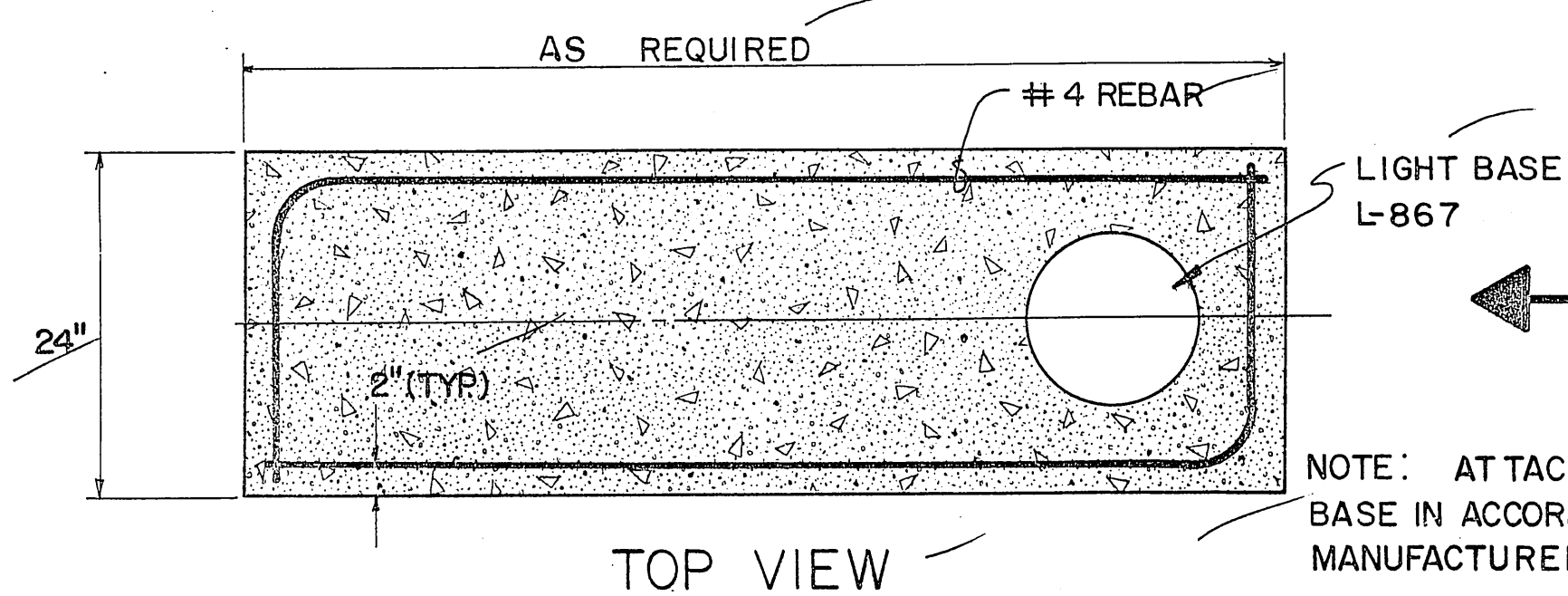
- REVERSE VIEW

TAXIWAY GUIDANCE SIGN-NORTH TAXIWAY

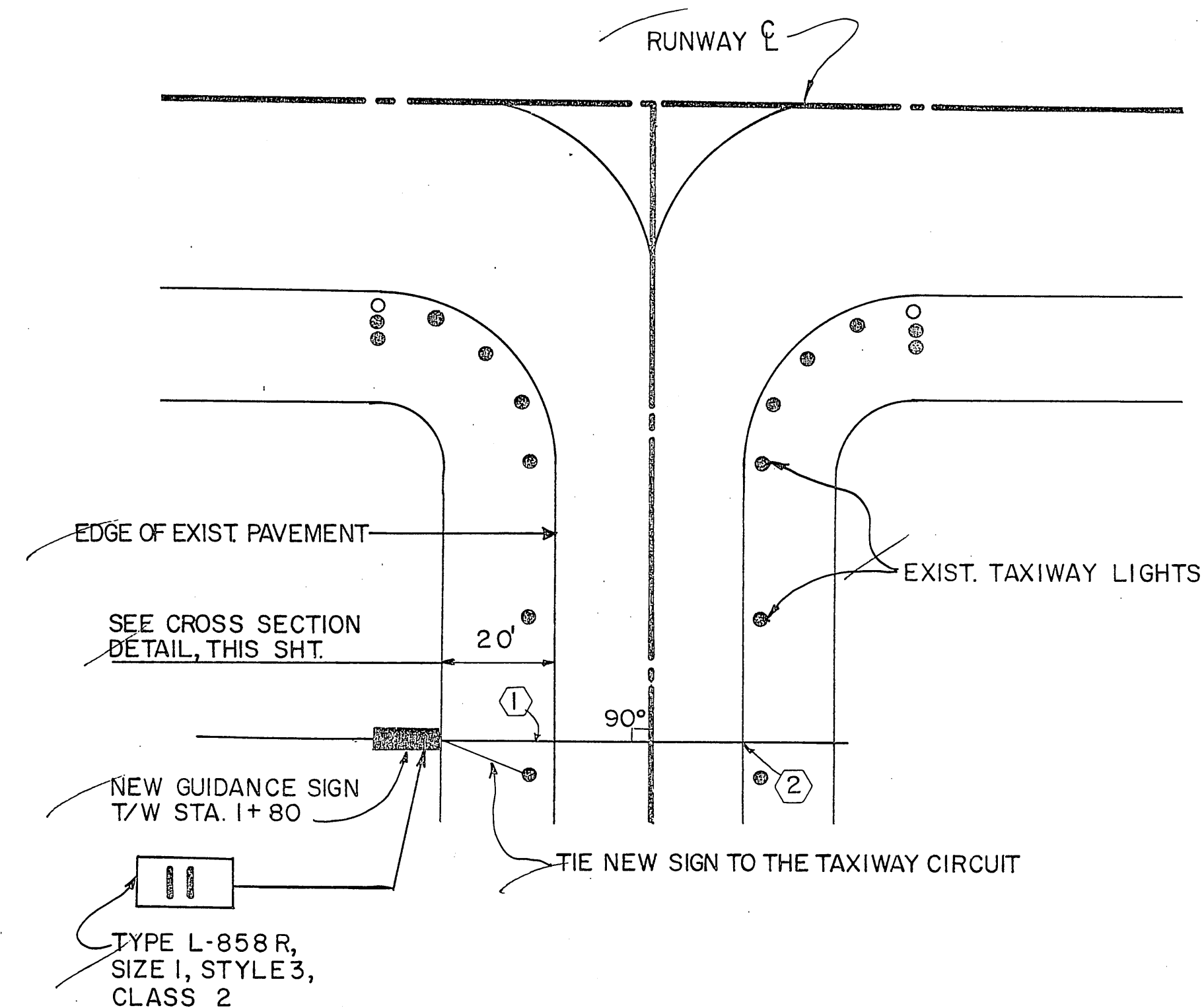
LEGEND DETAILS

NO SCALE

SEE SIGN SUMMARY TABLE NEXT SHEET FOR
ADDITIONAL DETAILS.



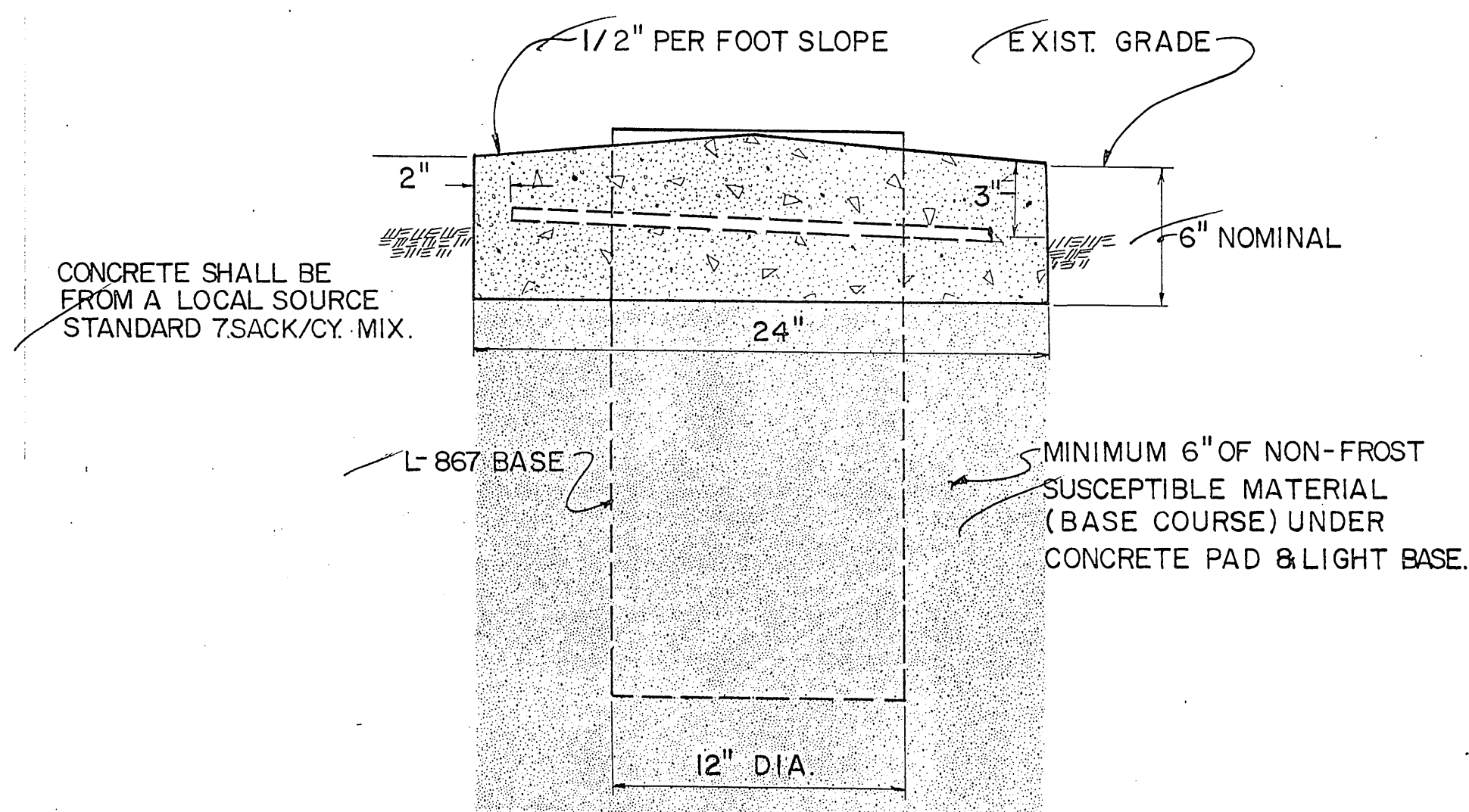
NOTE: ATTACH SIGN TO CONCRETE
BASE IN ACCORDANCE WITH THE
MANUFACTURERS INSTRUCTIONS.



TAXIWAY GUIDANCE SIGN

LOCATION DETAIL

NO SCALE



END VIEW

CONCRETE BASE DETAILS

NO SCALE

BY	DATE	DESCRIPTION OF CHANGE							
RECORD OF REVISIONS									

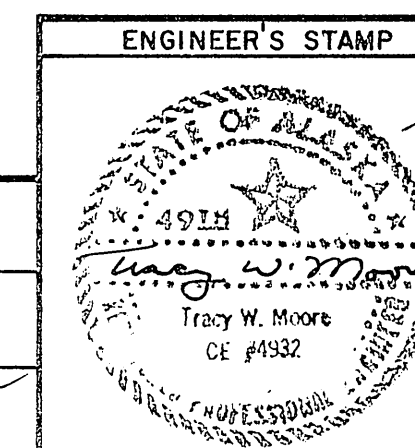
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

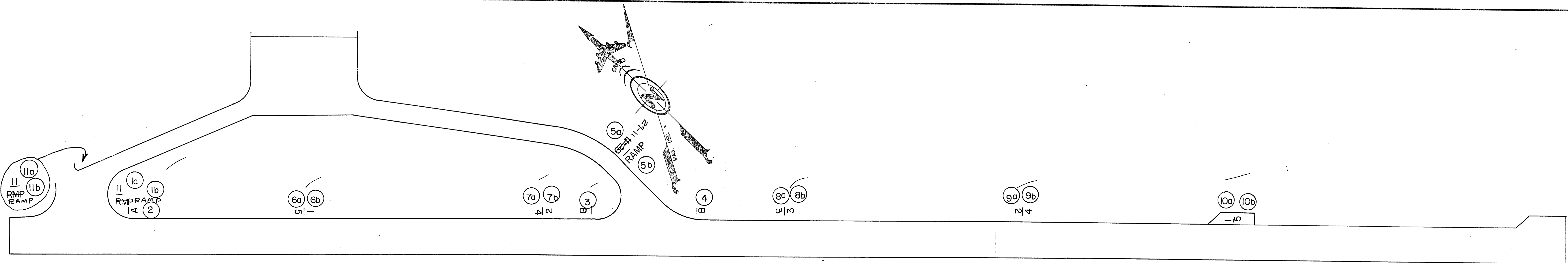
SITKA AIRPORT IMPROVEMENTS

project no. 69612

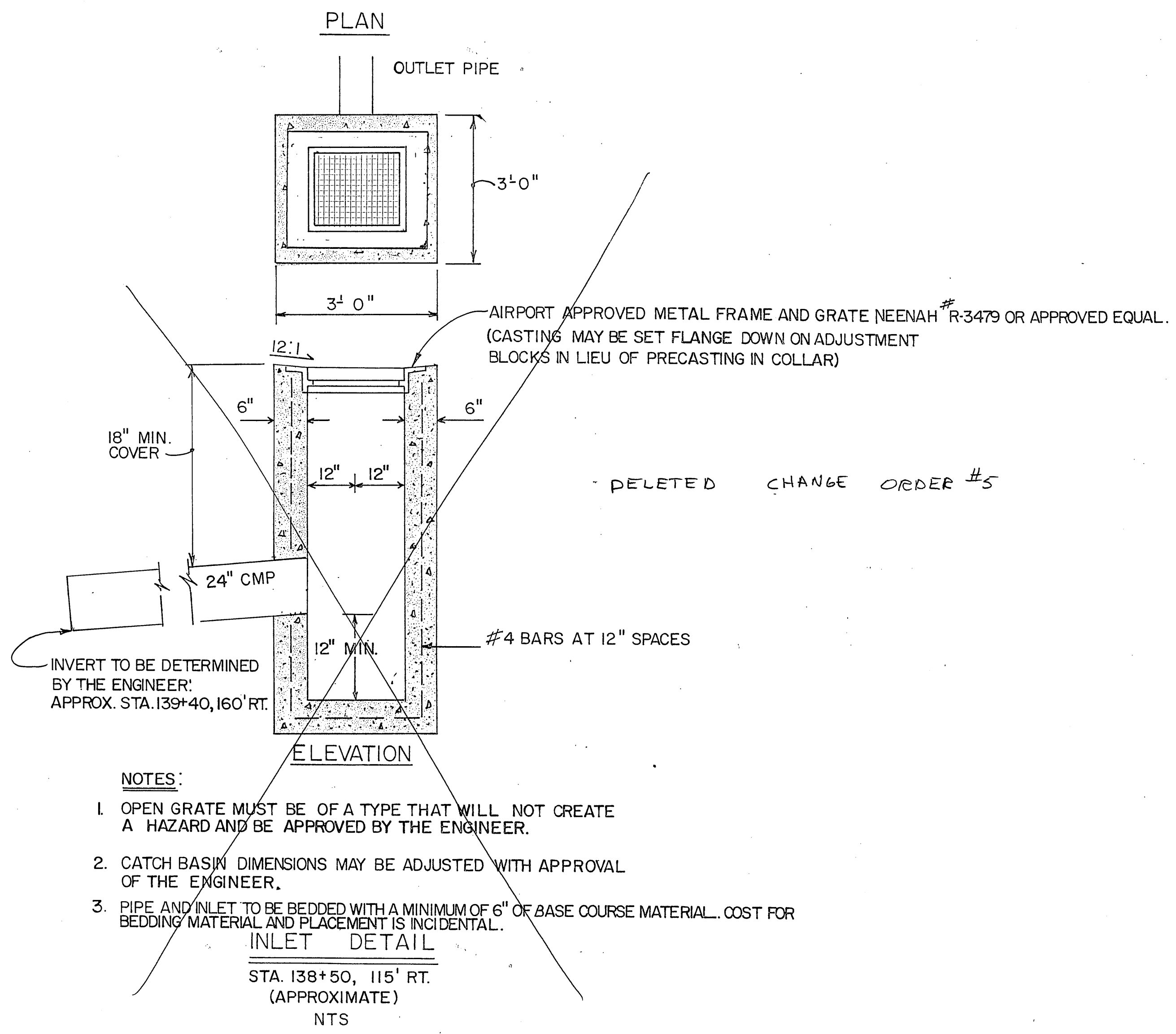
TAXIWAY GUIDANCE SIGN DETAILS

APPROVED BY: <u>J. McNeill</u>	DESIGN CHIEF	7-20-88	DATE	DESIGNED BY: M. J. Coffey	SCALE: NONE
RECOMMENDED BY: <u>John W. Henry</u>	DESIGN ENGINEER, GROUP "B"	7-20-88	DATE	DRAWN BY: C. S. Anderson	6-30-88
PREPARED BY: <u>Ma. Moore</u>	PROJECT MANAGER	<u>M. J. Coffey</u>	CHECKED BY: T. W. Moore	SHEET 6 OF 8	





SIGNING PLAN



SIGN SUMMARY

SIGN NO.	LEGEND	SIGN FACE SIZE	LETTER SIZE & COLOR	BACKGROUND COLOR	TYPE	LEGEND DIRECTION	STATION	R/W & OFFSET	REMARKS
1a	11	28 X 18	12" WHITE	RED	M	N.E.	T/W 1+80	20' from exist. T/W shoulder	INSTALL PARALLEL TO T/W HOLD LINE
1b	RAMP	28 X 18	12" BLACK	YELLOW	I	S.W.	T/W 1+80	20' from exist. T/W shoulder	INSTALL PARALLEL TO T/W HOLD LINE
2	A	18 X 18	12" BLACK	YELLOW	I	S	158+84	95' RT.	100'
3	B	18 X 18	12" BLACK	YELLOW	I	N	139+40	95' RT.	
4	B	18 X 18	12" BLACK	YELLOW	I	S	135+12	95' RT.	
5a	11-29	42 X 18	12" WHITE	RED	M	N.E.	As directed	20' from exist. T/W shoulder	INSTALL PARALLEL TO T/W HOLD LINE
5b	RAMP	42 X 18	12" BLACK	YELLOW	I	S.W.	As directed	"	" " " " " "
6a	5	30 X 30	25" WHITE	BLACK	I	N	151+59	100' RT.	
6b	1	30 X 30	25" WHITE	BLACK	I	S	151+59	100' RT.	
7a	4	30 X 30	25" WHITE	BLACK	I	N	141+50	100' RT.	
7b	2	30 X 30	25" WHITE	BLACK	I	S	141+50	100' RT.	
8a	3	30 X 30	25" WHITE	BLACK	I	N	131+59	100' RT.	
8b	3	30 X 30	25" WHITE	BLACK	I	S	131+59	100' RT.	
9a	2	30 X 30	25" WHITE	BLACK	I	N	121+50	100' RT.	
9b	4	30 X 30	25" WHITE	BLACK	I	S	121+50	100' RT.	
10a	1	30 X 30	25" WHITE	BLACK	I	N	111+50	100' RT.	
10b	5	30 X 30	25" WHITE	BLACK	I	S	111+50	100' RT.	
11a	11	28 X 18	12" WHITE	RED	M	N	COAST GUARD T/W 0+30	20' FROM EXIST. T/W SHOULDER	INSTALL PARALLEL TO HOLDLINE
11b	RAMP	28 X 18	12" BLACK	YELLOW	I	S	COAST GUARD T/W 0+30	" " " "	" " " "

NOTE M = MANDATORY
I = INFORMATIONAL

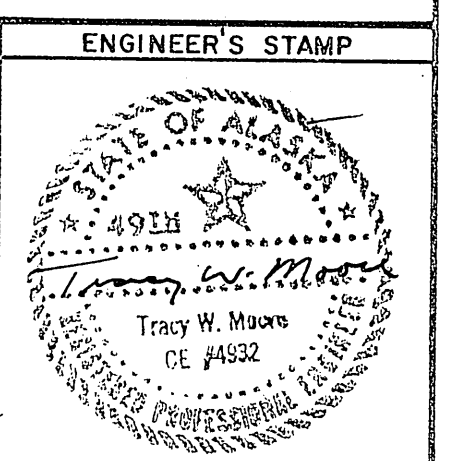
BY	DATE	DESCRIPTION OF CHANGE

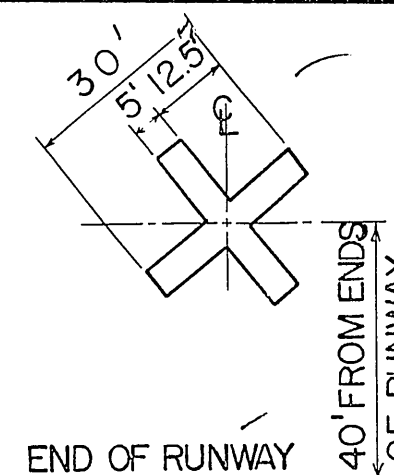
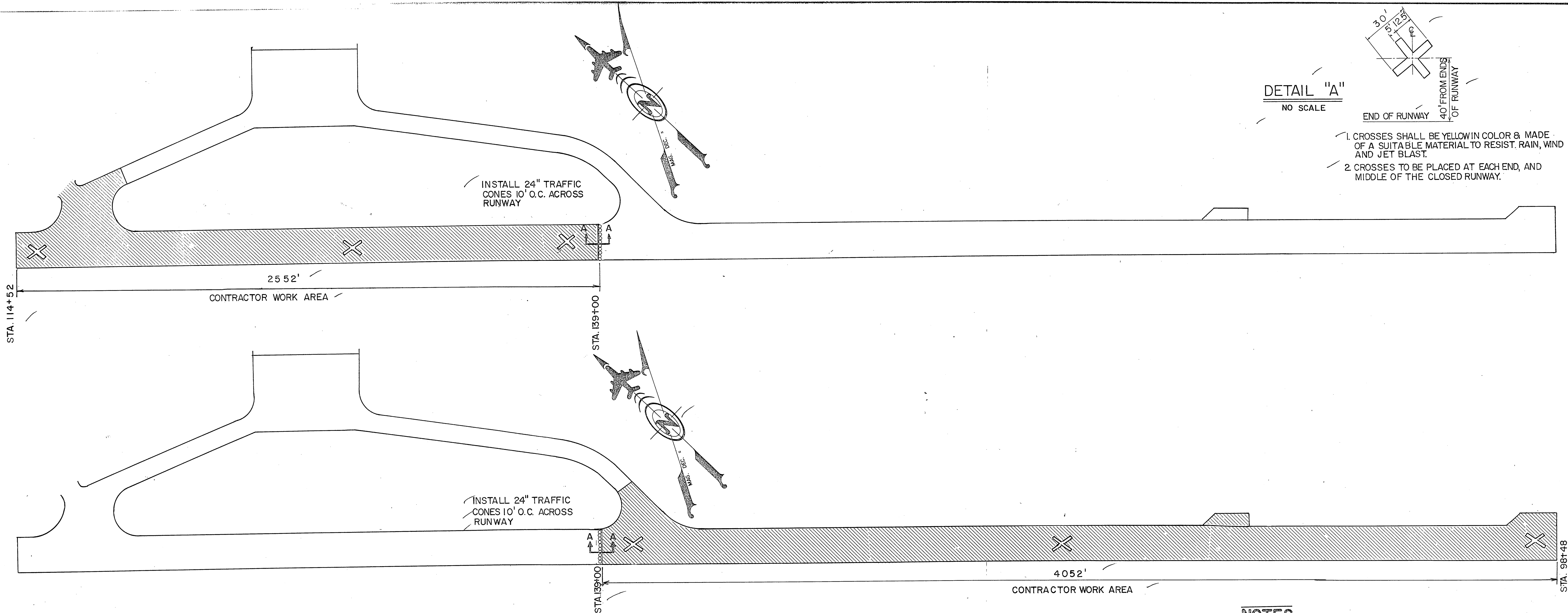
RECORD OF REVISIONS

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

SITKA AIRPORT IMPROVEMENTS
project no. 69612
INLET AND SIGN DETAIL SHEET

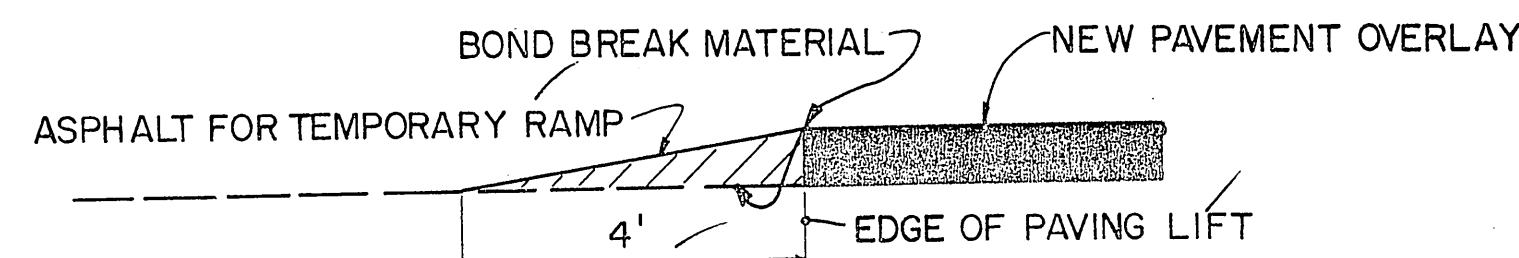
APPROVED BY: <i>Merrell</i>	DESIGN CHIEF	7-20-88	DATE
RECOMMENDED BY: <i>John W. Henry</i>	DESIGN ENGINEER, GROUP "B"	7-20-88	DATE
PREPARED BY: <i>Tracy Moore</i>	PROJECT MANAGER		
DESIGNED BY: M. J. Coffey	SCALE: NONE		
DRAWN BY: C. S. Anderson	DATE: 6-30-88		
CHECKED BY: T.W. Moore	SHEET 7 OF 8		





DETAIL "A"
NO SCALE

1. CROSSES SHALL BE YELLOW IN COLOR & MADE OF A SUITABLE MATERIAL TO RESIST RAIN, WIND AND JET BLAST.
2. CROSSES TO BE PLACED AT EACH END, AND MIDDLE OF THE CLOSED RUNWAY.



SECTION A-A TEMPORARY RAMP
NO SCALE

NOTES

1. TEMPORARY RUNWAY END LIGHTS SHALL BE PLACED AS SPECIFIED IN THE SPECIAL PROVISIONS.
2. RUNWAY NUMBERS SHALL BE REMOVED IMMEDIATELY UPON CLOSURE. ALL OTHER MARKINGS SHALL BE RETAINED AS LONG AS POSSIBLE.
3. NEW RUNWAY MARKINGS SHALL BE INSTALLED AFTER THE PAVEMENT OVERLAY HAS BEEN COMPLETED AND BEFORE GROOVING IS COMPLETED.
4. THE TEMPORARY RAMP SHALL BE REMOVED PRIOR TO PLACEMENT OF THE ADJOINING OVERLAY. THE REMOVAL IS INCIDENTAL.
5. THE CONTRACTOR SHALL NOT OPEN A CLOSED WORK ZONE UNTIL NEW ASPHALT PAVEMENT HAS CURED FOR A MINIMUM OF 3 HOURS.
6. SPECIAL RUNWAY NIGHTTIME CLOSURES WILL BE ALLOWED FOR PAVING OPERATIONS AS PER SECTION 40 OF THE SPECIFICATIONS.
7. THE RUNWAY IS TO REMAIN AVAILABLE FOR SMALL AIRCRAFT AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN SUFFICIENT DISTANCE FROM THE TEMPORARY THRESHOLD TO ALLOW A 20:1 GLIDE SLOPE.
8. ALL CONSTRUCTION WORK AT THE INTERSECTION OF THE COAST GUARD TAXIWAY INTERSECTION SHALL BE ACCOMPLISHED IN ONE SHIFT, AFTER COORDINATION WITH U.S.C.G. COMMANDING OFFICER IN CHARGE.
9. ALL OTHER CONSTRUCTION ACTIVITIES SHALL BE ACCOMPLISHED WHILE THE RUNWAY IS OPEN & AVAILABLE. THE CONTRACTOR WILL BE REQUIRED TO REMOVE ALL MEN AND EQUIPMENT BEFORE RUNWAY IS NEEDED FOR A JET LANDING. A JET LANDING REQUIRES THE FULL RUNWAY LENGTH AND WIDTH.
10. THE CONTRACTOR MAY SUBMIT AN ALTERNATE RUNWAY CLOSURE PLAN FOR REVIEW BY THE ENGINEER AND OTHER APPLICABLE PARTIES.
11. TEMPORARY LIGHTING TO BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS.

BY	DATE	DESCRIPTION OF CHANGE

RECORD OF REVISIONS

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

SITKA AIRPORT IMPROVEMENTS

project no. 69612
RUNWAY CLOSURE PLAN

APPROVED BY: <i>[Signature]</i>	DESIGN CHIEF 7-20-88 DATE
RECOMMENDED BY: <i>[Signature]</i>	DESIGN ENGINEER, GROUP "B" 7-20-88 DATE
PREPARED BY: <i>[Signature]</i>	PROJECT MANAGER

DESIGNED BY: M. J. Coffey	SCALE: NONE
DRAWN BY: C. S. Anderson	DATE: 6-30-88
CHECKED BY: T. W. Moore	SHEET 8 OF 8

