

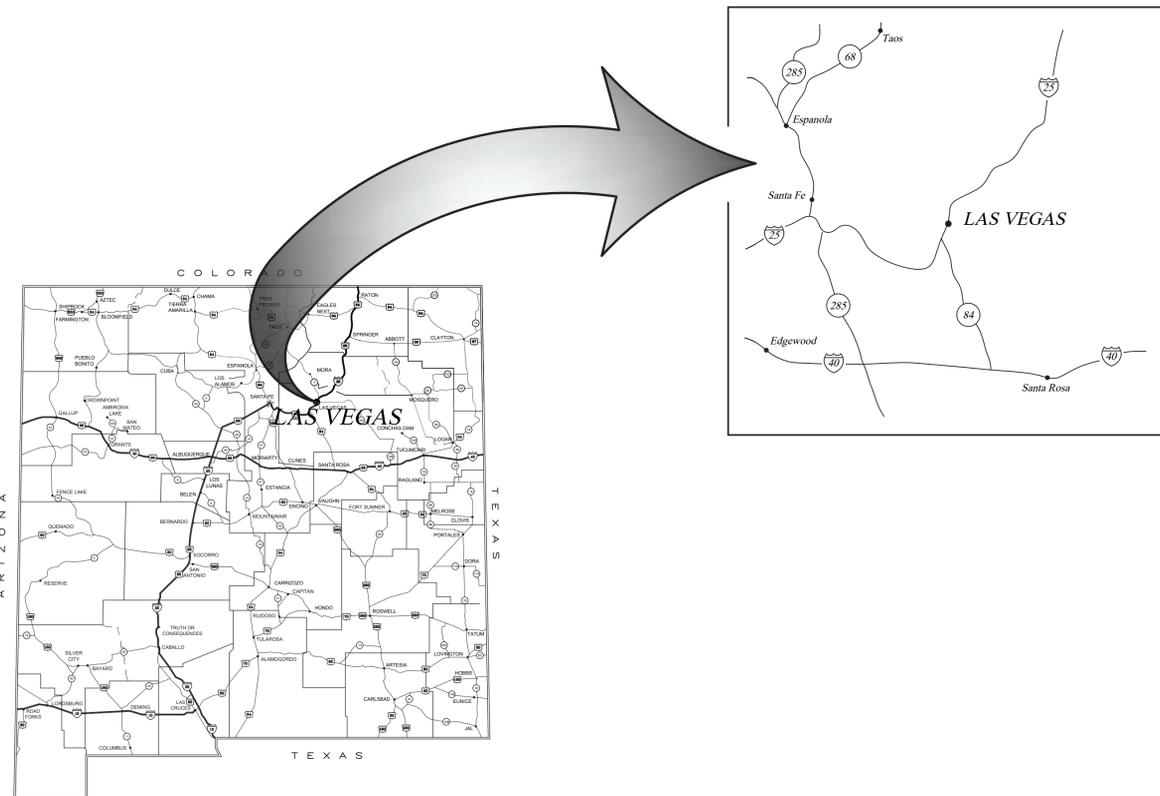
# LAS VEGAS MUNICIPAL AIRPORT (LVS) SAN MIGUEL COUNTY LAS VEGAS, NEW MEXICO

APRIL 2020

construction plans for the

## AIRFIELD PAVEMENT SEAL AND MARKING

Las Vegas Municipal Airport  
910 Airport Road  
Las Vegas, NM 87701



VICINITY MAP

CERTIFICATION:

I, JOHN M. PROVINE, REGISTERED PROFESSIONAL ENGINEER NO. 10997 HEREBY CERTIFY THAT THE FOLLOWING PLANS AND DESIGNS WERE MADE UNDER MY SUPERVISION AND DIRECTION AND THAT SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF



JOHN M. PROVINE, P.E.

NO. 10997

### MOLZENCORBIN

ENGINEERS | ARCHITECTS | PLANNERS

2701 Miles Road SE, Albuquerque, New Mexico 87106 505.242.5700 office Molzencorbin.com

Molzen Corbin Project Number: LVG180-15

G-001

Sheet: 1 / 11



THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR THE CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR.

ALL IDEAS, DESIGNS, ARRANGEMENTS, AND PLANS INDICATED OR REPRESENTED BY THIS INSTRUMENT ARE OWNED BY AND THE PROPERTY OF MOLZEN-CORBIN & ASSOCIATES, AND WERE CREATED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIED PROJECT. THESE IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL NOT BE USED BY ANY PERSON, FIRM, OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN CONSENT OF MOLZEN-CORBIN & ASSOCIATES.

THESE DRAWINGS REFLECT INFORMATION ON UTILITIES GATHERED BY SITE INSPECTION, DISCUSSIONS WITH MUNICIPAL OFFICIALS, AND PREVIOUS CONSTRUCTION DOCUMENTS. IT IS POSSIBLE THAT THE EXACT LOCATION OF LINES AND UTILITY CONNECTION POINTS IN THE VICINITY OF REQUIRED WORK MAY BE DIFFERENT FROM THE LOCATION SHOWN ON THESE DRAWINGS. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHALL A CONFLICT EXIST THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

DESCRIPTION	REV DATE	REV NO	NUMERIC SCALE CONFIRMATION
			DRAWINGS ARE DEPICTED AT INTENDED NUMERIC SCALES IF THIS BAR EQUALS ONE INCH



**MOLZENCORBIN**

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505 242 0673 fax  
MolzenCorbin.com

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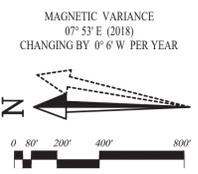
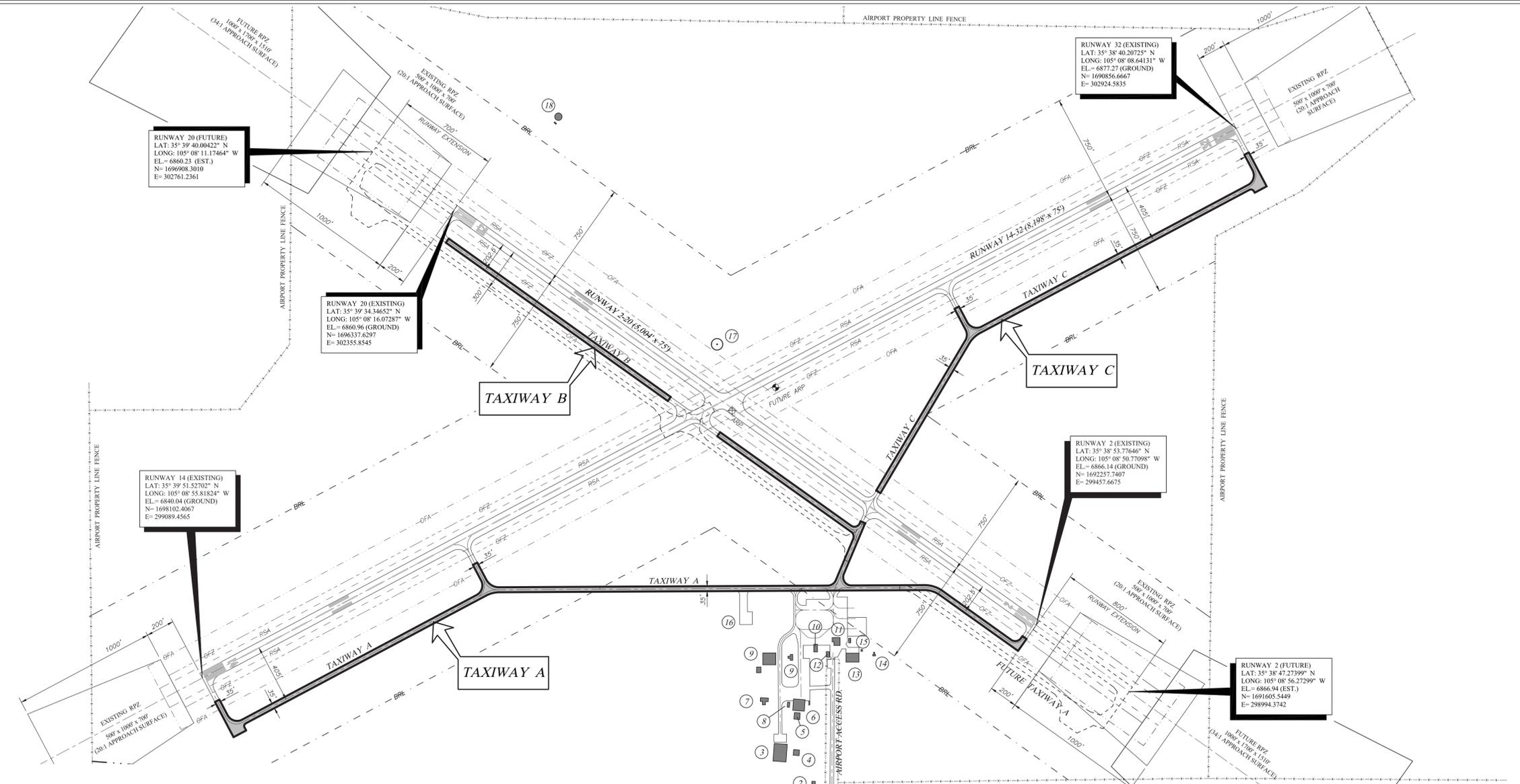
**NUMERIC SCALE CONFIRMATION**  
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REV. NO.	REV. DATE	DESCRIPTION
PROJECT NUMBER:	LVG180-15	JMP
DESIGNED BY:	DKS	JMP
DRAWN BY:	JMP	JMP
CHECKED BY:	MIKE PROVINCE	JMP
PRIME DESIGN PROFESSIONAL:	MIKE PROVINCE	JMP
PROJECT DATE:	APRIL 2020	

**AIRPORT LAYOUT PLAN**

**AIRFIELD PAVEMENT SEAL AND MARKING  
LAS VEGAS MUNICIPAL AIRPORT (LVS)  
LAS VEGAS, NEW MEXICO**



RUNWAY DATA	RUNWAY 2		RUNWAY 20		RUNWAY 14		RUNWAY 32	
	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE	EXISTING	FUTURE
RUNWAY MONUMENTATION	NAIL & SHINER	NAIL & SHINER						
RUNWAY END COORDINATES	LATITUDE: 35°38'53.77646" N LONGITUDE: 105°08'50.77098" W		LATITUDE: 35°39'34.34652" N LONGITUDE: 105°08'56.22299" W		LATITUDE: 35°39'51.52702" N LONGITUDE: 105°08'16.07287" W		LATITUDE: 35°38'40.20725" N LONGITUDE: 105°08'08.64131" W	
RUNWAY END ELEVATION (FT)	6866.14	6866.94 (EST.)	6860.96	6860.23 (EST.)	6840.04	SAME	6877.27	SAME
RUNWAY DESIGN CODE (RDC)	B-11	B-11	B-11	B-11	B-11	B-11	B-11	B-11
RUNWAY LENGTH AND WIDTH	5004' x 75'	6504' x 75'	5004' x 75'	6504' x 75'	8198' x 75'	SAME	8198' x 75'	SAME
RUNWAY GRADIENT	0.10% ±	0.10% ±	0.10% ±	0.10% ±	0.45% ±	SAME	0.45% ±	SAME
RUNWAY AZIMUTH	35.388°	SAME	35.388°	SAME	152.108°	SAME	152.108°	SAME
RUNWAY PAVEMENT SURFACE	ASPHALT	SAME	ASPHALT	SAME	ASPHALT	SAME	ASPHALT	SAME
PAVEMENT STRENGTH (1000 LBS)	30 SWL/50 SWL	30 SWL/50 SWL						
RUNWAY EDGE LIGHTING REFLECTORS	REFLECTORS	MIRL	REFLECTORS	MIRL	MIRL	SAME	MIRL	SAME
RUNWAY MARKING TYPE	NPI	SAME	NPI	SAME	NPI	SAME	NPI	SAME
APPROACH AIDS	ILLUMINATED WIND CONE VASI (NON-STD)	ILLUMINATED WIND CONE PAPI	ILLUMINATED WIND CONE VASI (NON-STD)	ILLUMINATED WIND CONE PAPI	ILLUMINATED WIND CONE PAPI	ILLUMINATED WIND CONE PAPI	ILLUMINATED WIND CONE PAPI	ILLUMINATED WIND CONE PAPI
ASSOCIATED TAXIWAY LIGHTING/REFLECTORS	REFLECTORS	MITL	REFLECTORS	MITL	REFLECTORS	MITL	REFLECTORS	MITL
14 CFR PART 77 APPROACH SURFACE SLOPE	20:1	34:1	20:1	34:1	20:1	34:1	20:1	34:1
APPROACH MINIMUM	VISUAL ≥1 MILE	3/4 MILE	VISUAL ≥1 MILE	3/4 MILE	VISUAL ≥1 MILE	3/4 MILE	VISUAL ≥1 MILE	VISUAL ≥1 MILE
RUNWAY SAFETY AREA WIDTH (RSA) FT	150	150	150	150	150	150	150	150
RSA LENGTH BEYOND RUNWAY END, FT	300	300	300	300	300	300	300	300
RUNWAY OBJECT FREE AREA WIDTH (OFA), FT	500	500	500	500	500	500	500	500
RUNWAY OF A LENGTH BEYOND RUNWAY END, FT	300	300	300	300	300	300	300	300
RUNWAY OBSTACLE FREE ZONE (OFZ) FT, WIDTH	250/5404	400/6904	250/5404	400/6904	250/8598	400/8598	250/8598	400/8598
THRESHOLD SITING SURFACE PENETRATIONS	NO THRESHOLD SITING SURFACE OBJECT PENETRATIONS							
OFZ OBJECT PENETRATIONS	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
TAXIWAY SAFETY AREA WIDTH (TSA), FT	79	SAME	79	SAME	79	SAME	79	SAME
TAXIWAY OBJECT FREE AREA WIDTH (TSA), FT	131	SAME	131	SAME	131	SAME	131	SAME
TOUCHDOWN ZONE (TDZ) ELEVATION, FT	6866.38	6867 (EST.)	6864.5 (EST.)	6863.7 (EST.)	6855.3	SAME	6877.48	SAME

#	DESCRIPTION	TOP ELEVATION
1	COMMUNICATIONS TOWER	6932.8
2	COMMUNICATIONS TOWER	6978.2
3	LOWER HANGAR CHIMNEY STACK	6872.1
4	FUEL TRUCK STORAGE BUILDING	6860.7
5	EQUIPMENT STORAGE BUILDING	6869.0
6	HANGAR	6874.3
7	T-HANGAR	6866.6
8	LIGHT POLE WITH LIGHT	6875.1
9	HANGAR	
10	FUEL	
11	TERMINAL BUILDING	6881.0
12	STORAGE BUILDING	6876.1
13	HANGAR	
14	WATER TANK	6877.0
15	BEACON	6817.9
16	HELIPAD	
17	WINDCONE/SEG. CIRCLE	
18	VORTAC	

EXISTING	ULTIMATE	DESCRIPTION
---	---	AIRPORT FENCING
---	---	PROPERTY LINE
---	---	BUILDING FACILITIES
---	---	RUNWAY/TAXIWAY AND TAXILANES
---	---	BUILDING RESTRICTION LINE
---	---	OBJECT FREE ZONE
---	---	OBJECT FREE AREA
---	---	RUNWAY SAFETY AREA
---	---	TOPOGRAPHY CONTOUR
---	---	SEGMENTED CIRCLE / WIND CONE
---	---	WINDSOCK (SUPPLEMENTARY)
---	---	AIRPORT REFERENCE POINT
---	---	RUNWAY THRESHOLD LIGHTS

AIRPORT DATA		
LAS VEGAS MUNICIPAL AIRPORT (LVS)		
AIRPORT REFERENCE CODE (ARC)	EXISTING	ULTIMATE
	B-II	SAME
AIRPORT ELEVATION	6877	SAME
AIRPORT REFERENCE POINT (ARP)	LAT: 35°39'15" N LONG: 105°08'33" W	LAT: 35°39'12" N LONG: 105°08'31" W
MEAN MAX. TEMP. OF HOTTEST MONTH	83°F	SAME
NAVIGATION VISUAL AIDS	GPS, VOR, ROT. BEACON	GPS, VOR, ROT. BEACON, VASI
AIRPORT ACREAGE	1300	SAME

- NOTES**
- ANY COORDINATES, OR ELEVATIONS THAT MAY BE SHOWN ARE (NAD83, NAVD 88) MODIFIED NM STATE PLANE (GROUND), EAST ZONE US FOOT
  - EXISTING AND FUTURE RPZ AREAS EXTENDING BEYOND THE AIRPORT PROPERTY SHALL BE ACQUIRED IN AVIATION EASEMENTS
  - DEVIATION OF STANDARDS, INADEQUATE SEPARATION BETWEEN RUNWAY 220 AND TAXIWAY A, CURRENT DISTANCE IS 30.5', FUTURE TAXIWAY CONSTRUCTION SEPARATION DISTANCE WILL BE 300.0'

**G-101**

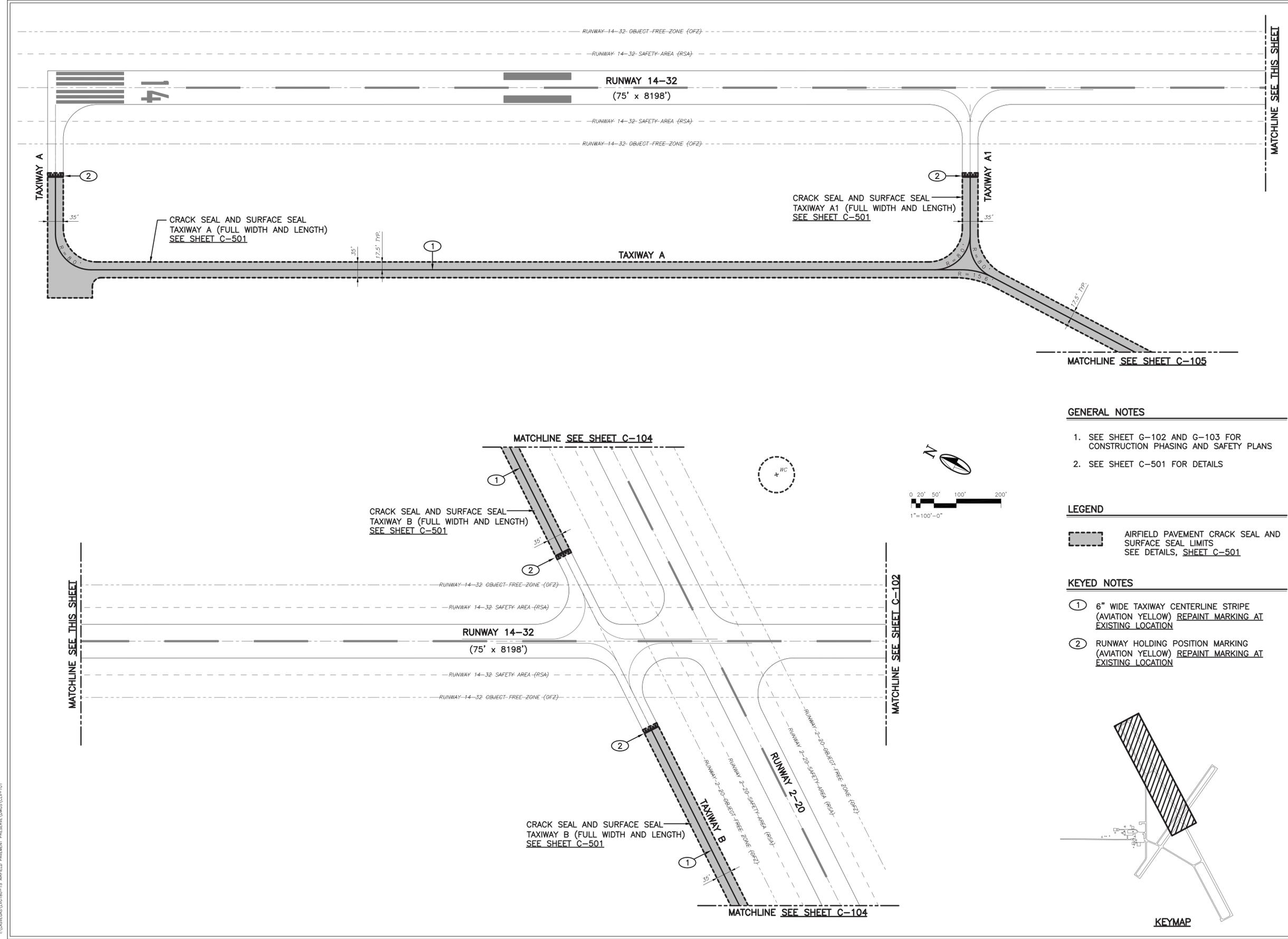
SHEET 3 / 11

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**MOLZENCORBIN**

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 Albuquerque, New Mexico 87106  
 505 242 5700 office  
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 MolzenCorbin.com

NOTICE OF EXTENDED PAYMENT PROVISION:  
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**NUMERIC SCALE CONFIRMATION**  
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REV. NO.	REV. DATE	DESCRIPTION
PROJECT NUMBER:	LVG180-15	
DESIGNED BY:	JMP	
CHECKED BY:	MIKE PROVINE	
PRIME DESIGN PROFESSIONAL:	MIKE PROVINE	
PROJECT DATE:	APRIL 2020	

**GENERAL NOTES**

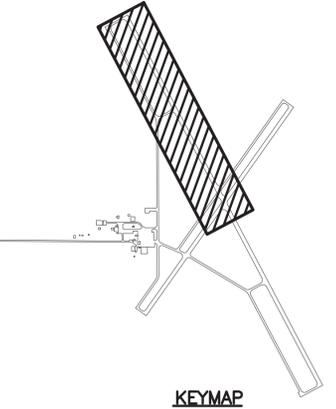
- SEE SHEET G-102 AND G-103 FOR CONSTRUCTION PHASING AND SAFETY PLANS
- SEE SHEET C-501 FOR DETAILS

**LEGEND**

AIRFIELD PAVEMENT CRACK SEAL AND SURFACE SEAL LIMITS  
 SEE DETAILS, SHEET C-501

**KEYED NOTES**

- 6" WIDE TAXIWAY CENTERLINE STRIPE (AVIATION YELLOW) REPAINT MARKING AT EXISTING LOCATION
- RUNWAY HOLDING POSITION MARKING (AVIATION YELLOW) REPAINT MARKING AT EXISTING LOCATION



SITE PLAN

AIRFIELD PAVEMENT SEAL AND MARKING  
 LAS VEGAS MUNICIPAL AIRPORT (LVS)  
 LAS VEGAS, NEW MEXICO

**C-101**

SHEET 6 / 11



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PROJECT NUMBER: LVG180-15  
 DESIGNED BY: JMP  
 DRAWN BY: JMP  
 CHECKED BY: JMP  
 PRIME DESIGN PROFESSIONAL: MIKE PROVINE  
 PROJECT DATE: APRIL 2020

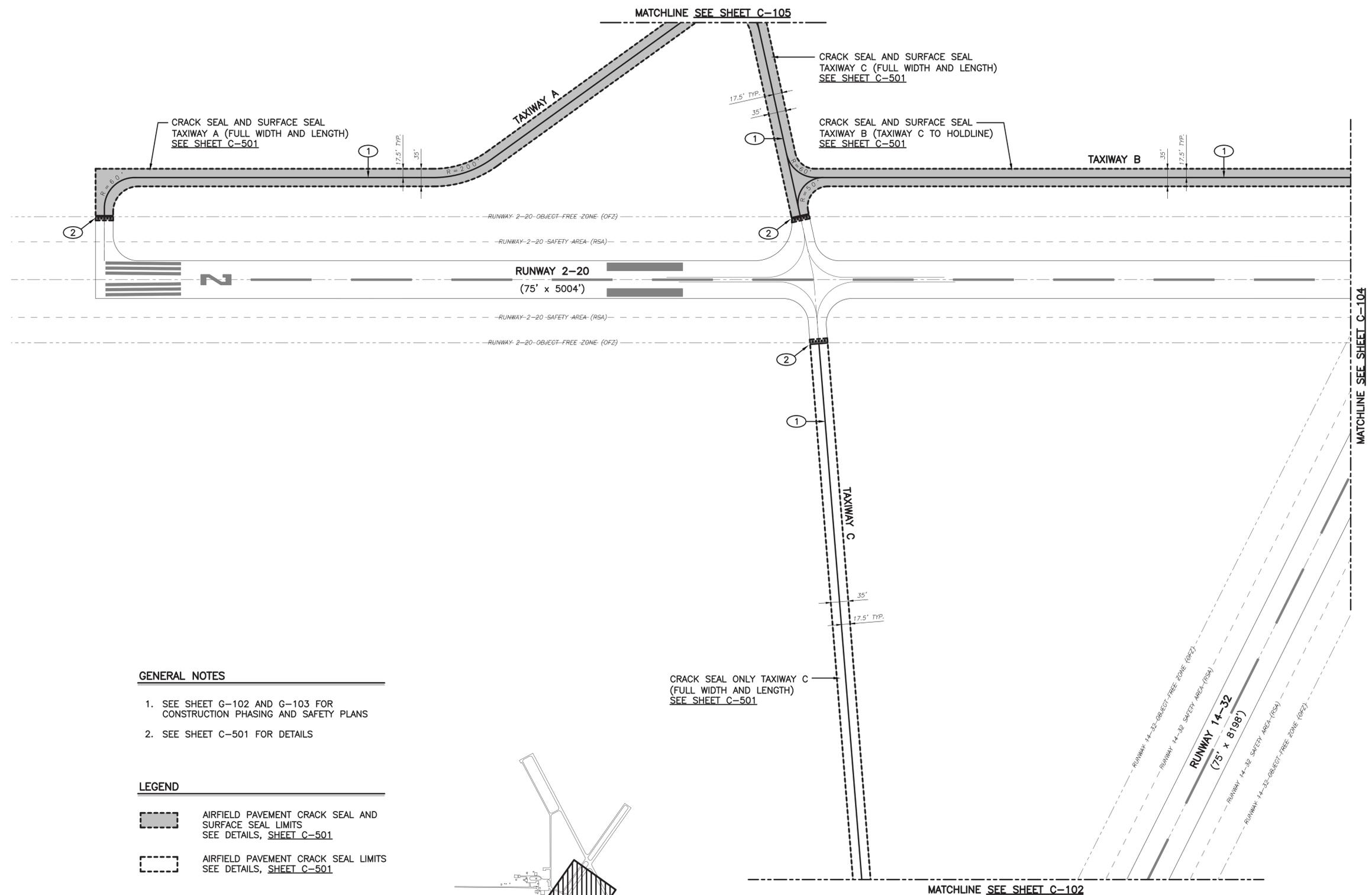
**SITE PLAN**

**AIRFIELD PAVEMENT SEAL AND MARKING**  
 LAS VEGAS MUNICIPAL AIRPORT (LVS)  
 LAS VEGAS, NEW MEXICO

**C-103**

SHEET 8 / 11

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**GENERAL NOTES**

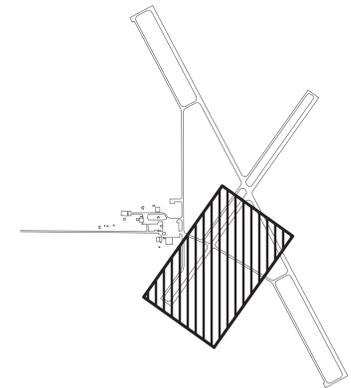
- SEE SHEET G-102 AND G-103 FOR CONSTRUCTION PHASING AND SAFETY PLANS
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**LEGEND**

- AIRFIELD PAVEMENT CRACK SEAL AND SURFACE SEAL LIMITS SEE DETAILS, SHEET C-501
- AIRFIELD PAVEMENT CRACK SEAL LIMITS SEE DETAILS, SHEET C-501

**KEYED NOTES**

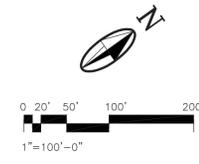
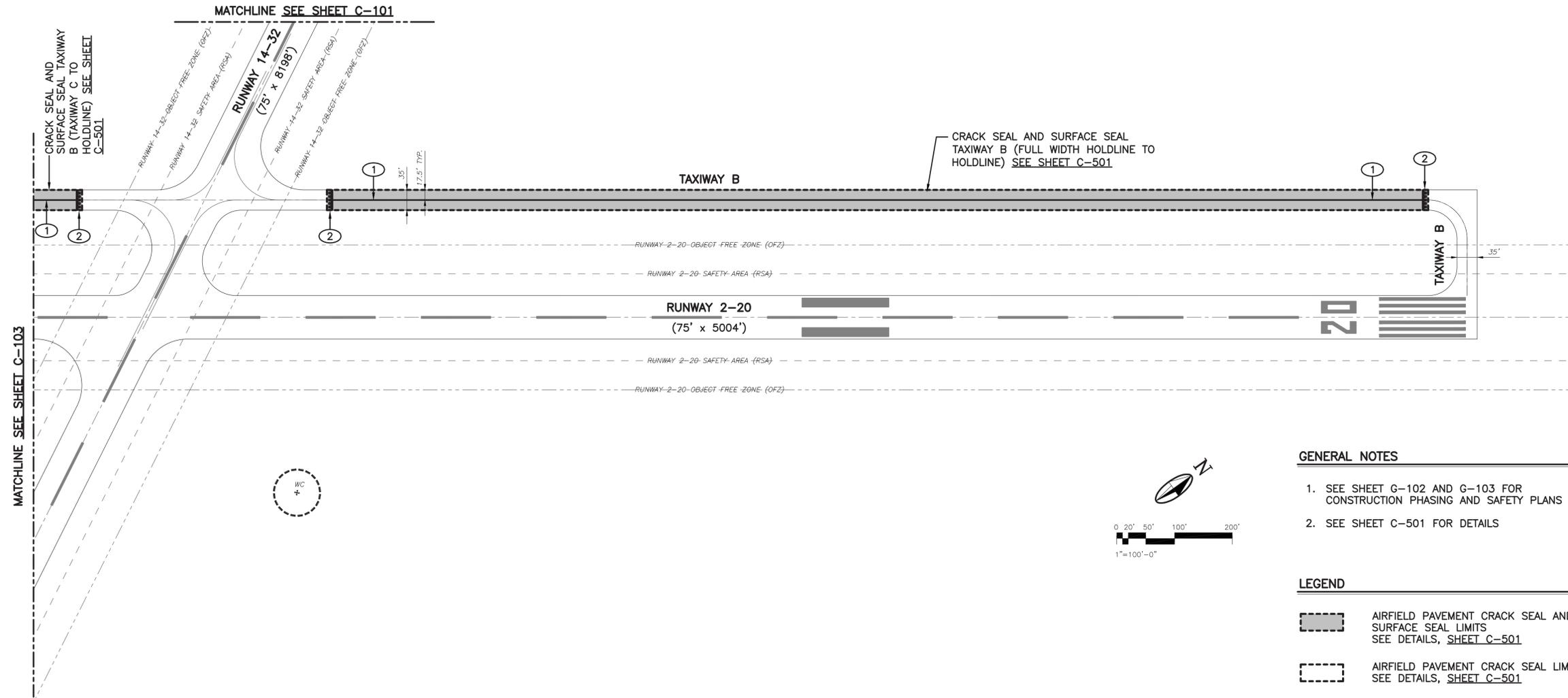
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**KEYMAP**

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 SAVE DATE: 4/29/2020 3:17 PM  
 FILE: LASVEGAS\180-15 AIRFIELD PAVEMENT PRESERVE.DWG(CLV-103)

DATE: 4/29/2020 4:48 PM  
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 I:\A0625\16180-15 AIRFIELD PAVEMENT PRESERVE\DWG\CIV-104



**GENERAL NOTES**

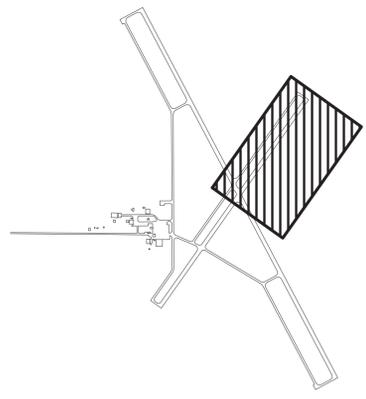
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**LEGEND**

- AIRFIELD PAVEMENT CRACK SEAL AND SURFACE SEAL LIMITS  
SEE DETAILS, SHEET C-501
- AIRFIELD PAVEMENT CRACK SEAL LIMITS  
SEE DETAILS, SHEET C-501

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**KEYMAP**

**MOLZENCORBIN**

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PROJECT NUMBER:	LVG180-15	
DESIGNED BY:	JMP	
DRAWN BY:	JMP	
CHECKED BY:	MKE	
PRIME DESIGN PROFESSIONAL:	MIKE PROVINE	
PROJECT DATE:	APRIL 2020	

SITE PLAN

AIRFIELD PAVEMENT SEAL AND MARKING  
 LAS VEGAS MUNICIPAL AIRPORT (LVS)  
 LAS VEGAS, NEW MEXICO

**C-104**

SHEET 9 / 11

**MOLZENCORBIN**

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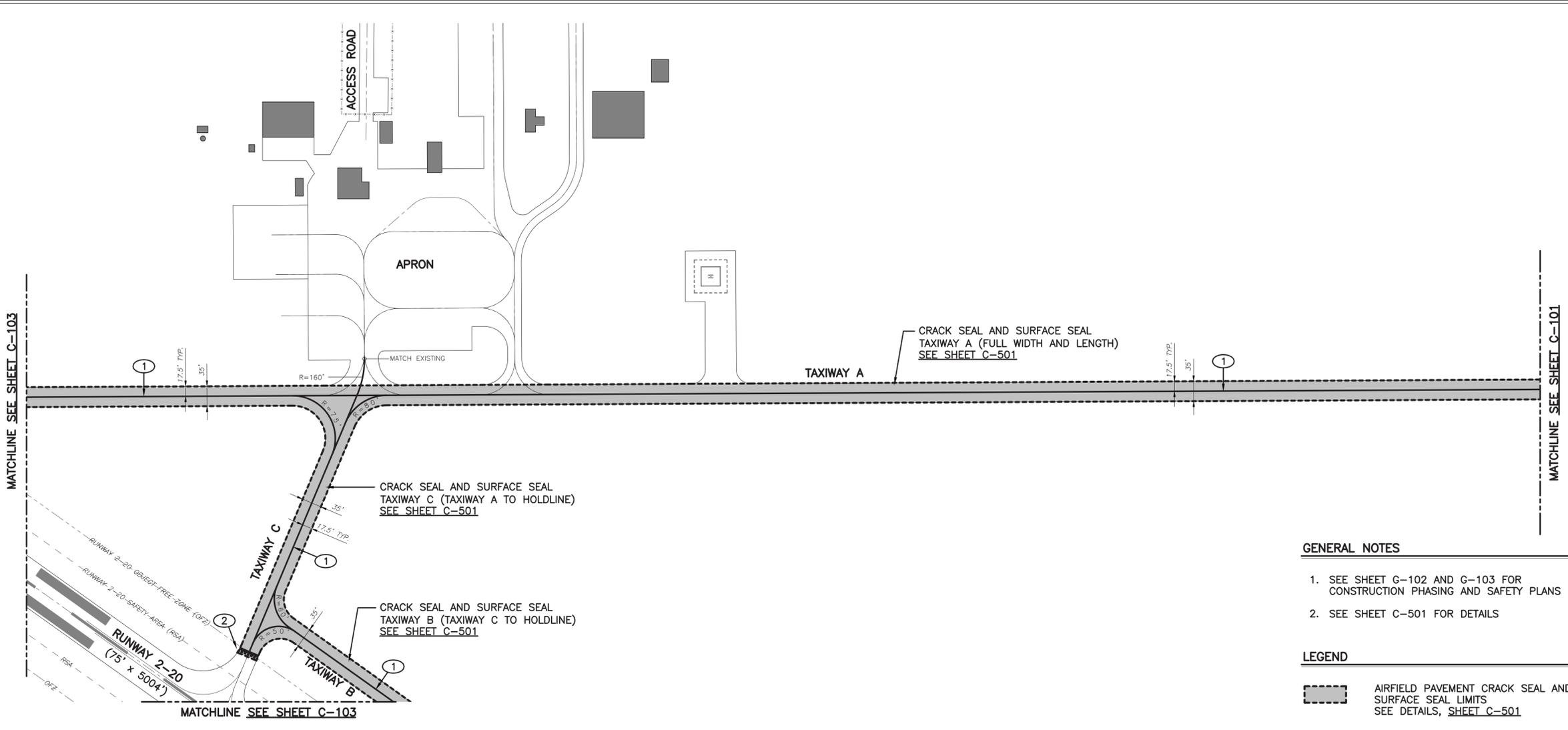


REV. NO.	REV. DATE	DESCRIPTION
PROJECT NUMBER:	LVG180-15	
DESIGNED BY:	JMP	
CHECKED BY:	MPC	
PRIME DESIGN PROFESSIONAL:	MIKE PROVINE	
PROJECT DATE:	APRIL 2020	

SITE PLAN

**AIRFIELD PAVEMENT SEAL AND MARKING**  
 LAS VEGAS MUNICIPAL AIRPORT (LVS)  
 LAS VEGAS, NEW MEXICO

**C-105**  
 SHEET 10 / 11



**GENERAL NOTES**

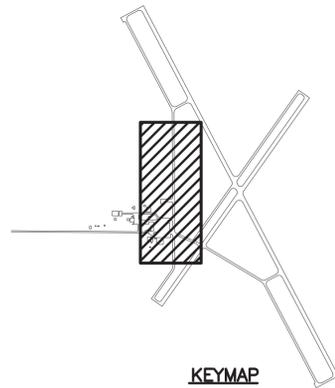
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**LEGEND**

- AIRFIELD PAVEMENT CRACK SEAL AND SURFACE SEAL LIMITS SEE DETAILS, SHEET C-501
- AIRFIELD PAVEMENT CRACK SEAL LIMITS SEE DETAILS, SHEET C-501

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DATE: 4/29/2020 4:52 PM  
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