

CONTRACT DRAWINGS
FOR THE CONSTRUCTION OF

HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

COUNTY PROJECT NO. AH026
PROJECT FILE NO.E5076000
FEDERAL AVIATION ADMINISTRATION
(FAA) AIP PROJECT 3-06-0097-017-2021

SAN MATEO COUNTY
STATE OF CALIFORNIA

MARCH 2023



LOCATION MAP
NOT TO SCALE

TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF THE
PLANS AND SPECIFICATIONS FOR THIS PROJECT ARE IN
COMPLIANCE WITH THE BUILDING CODE OF THE STATE OF CALIFORNIA

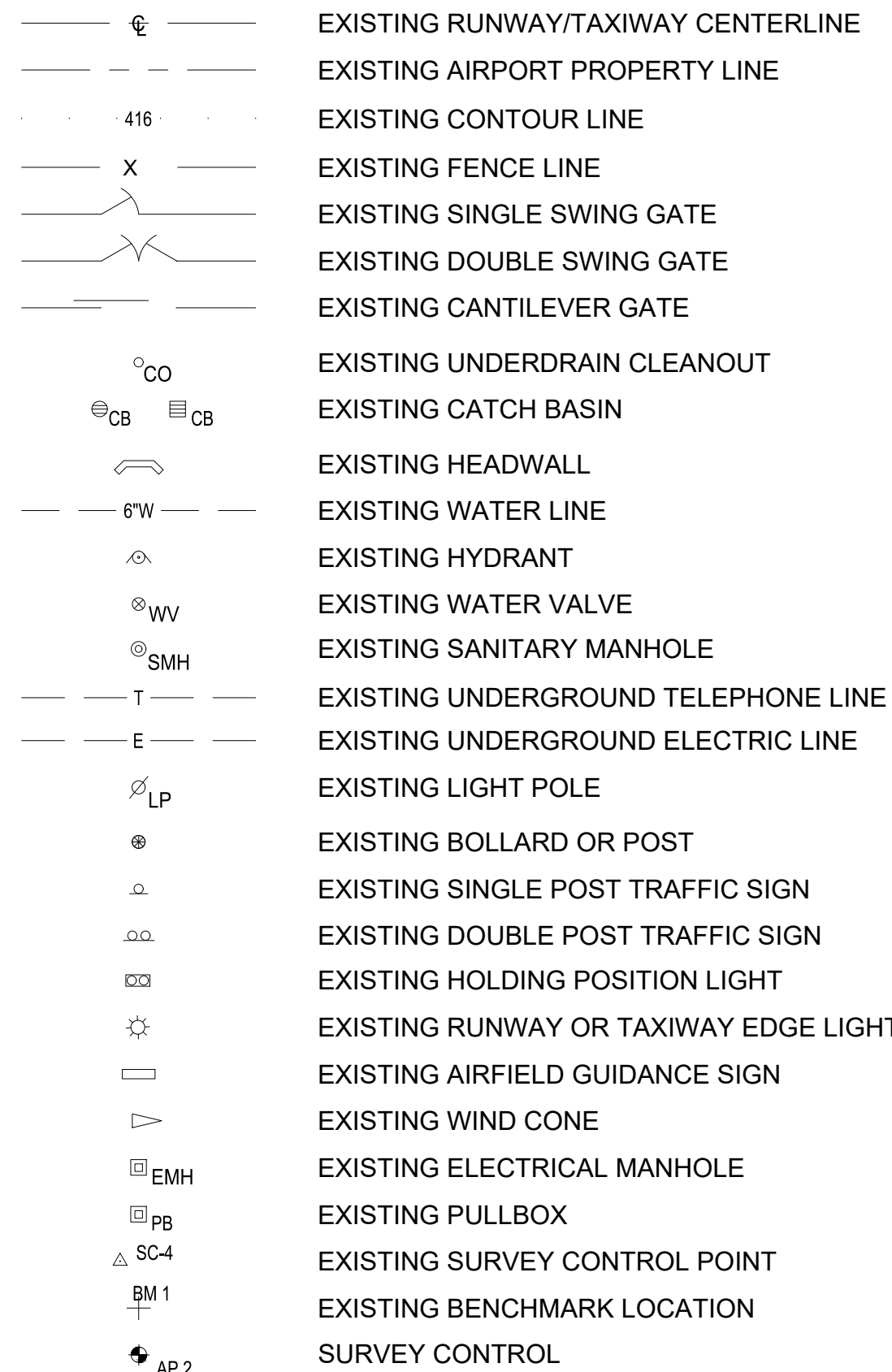
NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED
UNDER THE APPROVED REVISION PROCESS



APPROVED:
DATE: 2023-03-10
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



APPROVED:
DATE: 2023-03-07
MICHAEL C. DUNNE-VECCHIO,
C&S ENGINEERS INC.
R. C. E. # 092883 / EXPIRES 12-31-2023



B1	LEGEND
-----------	---------------

LEGEND

NOT TO SCALE

A1

SHEET INDEX

NOT TO SCALE

B3

GENERAL NOTES

SCALE: NOT TO SCALE

A3

ABBREVIATIONS

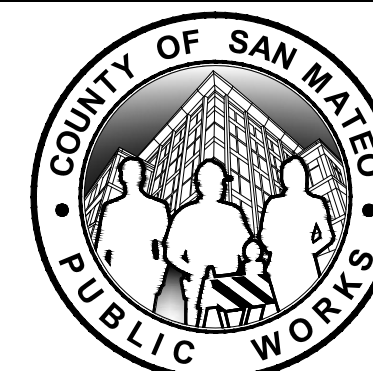
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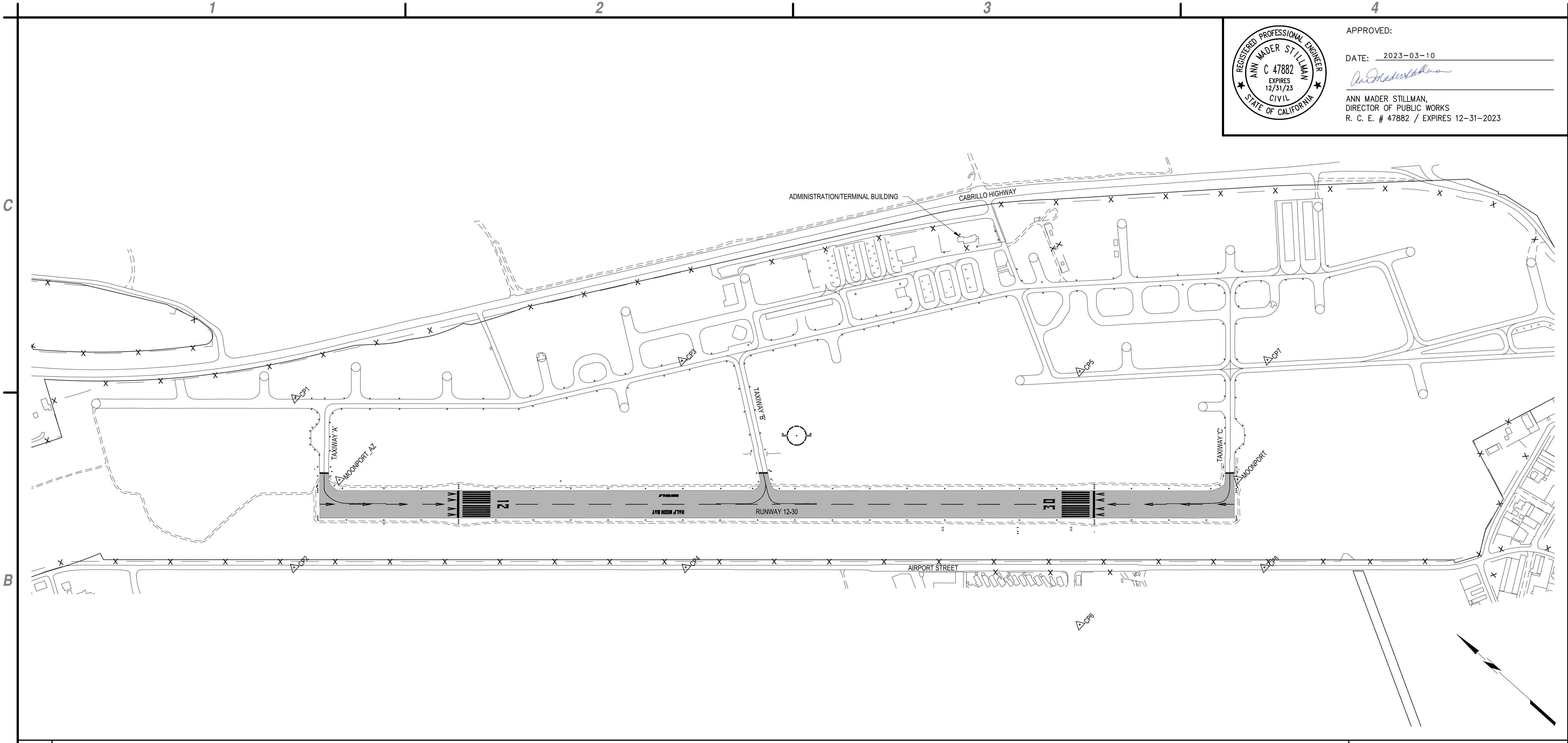
COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO:	E5076	
DATE:	MARCH 2023	
DRAWN BY:	STB	
DESIGNED BY:	CJG	
CHECKED BY:	RDG	

GENERAL NOTES, SHEET INDEX, LEGEND AND ABBREVIATIONS

GI-002

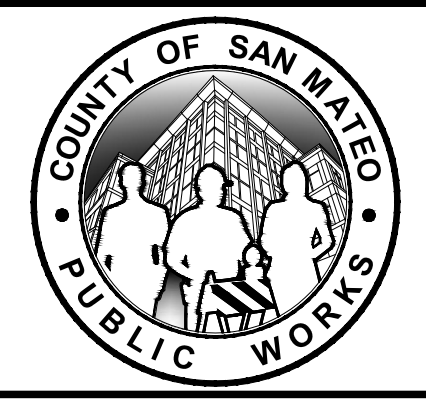
2 of 19



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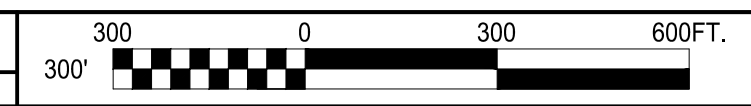


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COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

B1 GENERAL PLAN
SCALE: 1" = 300'



CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	2017973.360	5979971.219	70.315	CP 1
2	2017360.109	5979276.720	67.309	CP 2
3	2016535.198	5981533.480	48.436	CP 3
4	2015765.805	5980705.275	43.048	CP 4
5	2014877.629	5982941.196	44.754	CP 5
6	2013952.775	5981908.880	27.888	CP 6
7	2014153.969	5983671.380	36.693	CP 7
8	2013409.923	5982815.401	25.462	CP 8
9	2013840.938	5983076.398	32.530	MOONPORT
10	2017494.622	5979798.299	65.310	MOONPORT_AZ
11	2010031.438	6003477.863	795.470	OXMT
12	2020946.708	5983186.045	345.330	P177
13	2011448.049	5988536.908	56.011	HM11



PAVEMENT AREA TO RECEIVE CRACK SEAL AND SEAL COAT

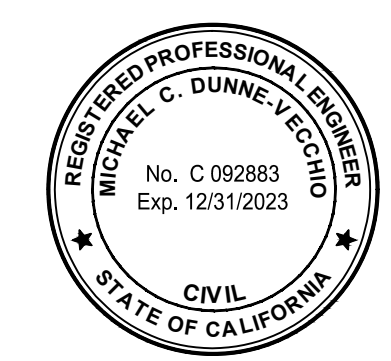
- THE TOPOGRAPHIC FEATURES SHOWN HEREON WERE COMPILED FROM TOPOGRAPHIC SURVEY PERFORMED BY R.E.Y. ENGINEERING, INC. DATED AUGUST 10, 2021.
- CONTRACTOR SHALL PROTECT ALL CONTROL POINTS. IF DISTURBED, THE CONTRACTOR SHALL REESTABLISH AT THEIR COST.

BASIS OF COORDINATES

COORDINATES SHOWN HEREON ARE IN TERMS OF NAD83, EPOCH 2010.0, CALIFORNIA STATE PLANE COORDINATE ZONE 3.

BASIS OF ELEVATIONS

ELEVATIONS SHOWN HEREON ARE IN TERMS OF NAVD88.



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DATE: 2023-03-07
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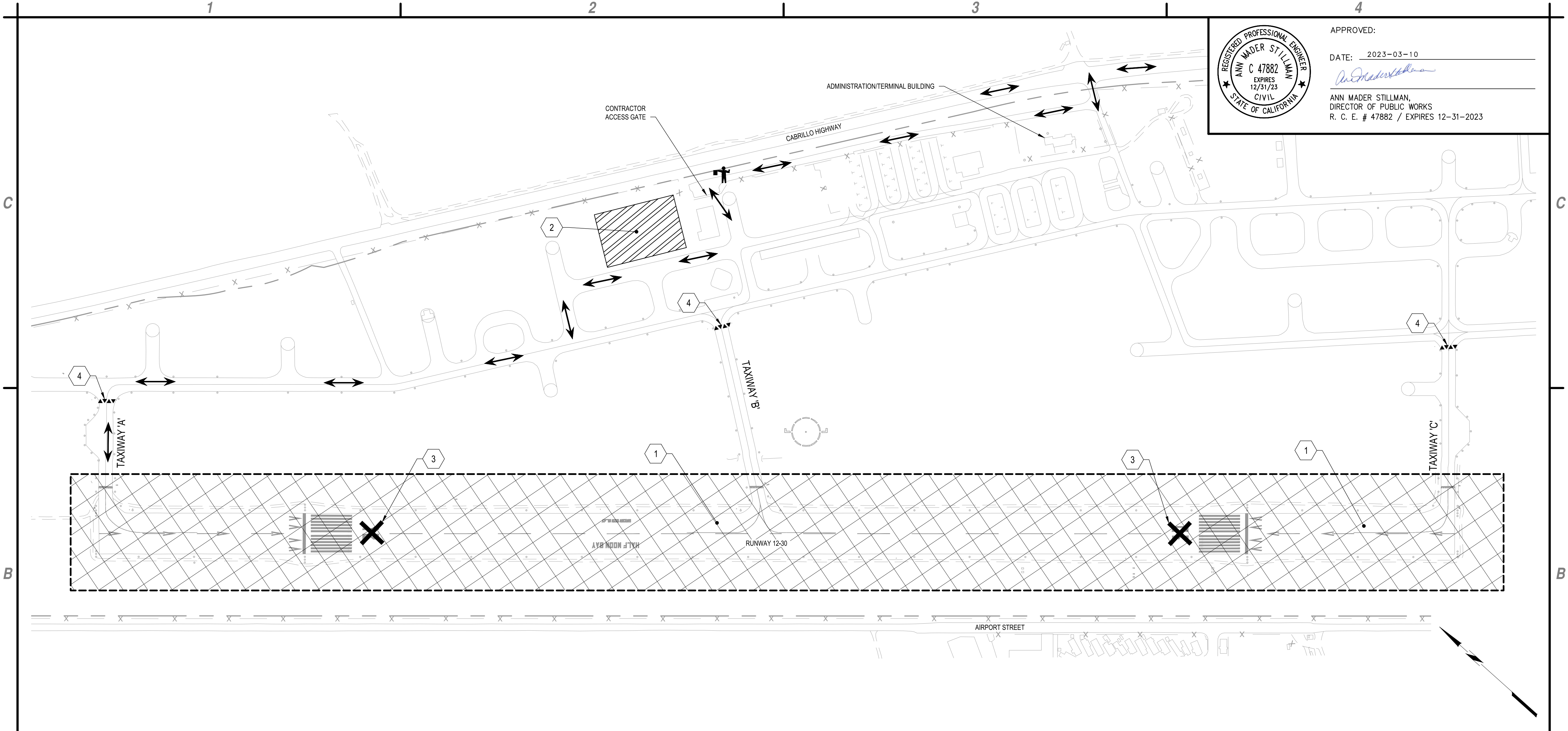
A1 CONTROL POINTS/SITE BENCHMARKS TABLE
SCALE: NOT TO SCALE

A2 LEGEND
SCALE: NOT TO SCALE

A3 NOTES
SCALE: NOT TO SCALE

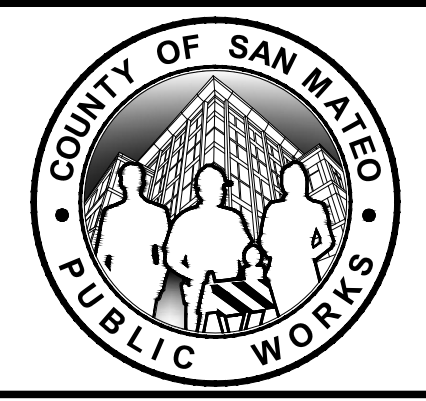
GENERAL PLAN
AND
SURVEY CONTROL

GI-101



APPROVED:
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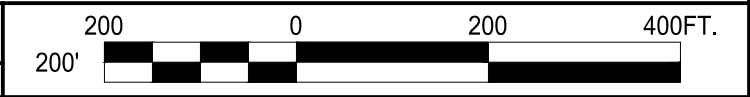
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COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

Mar 14, 2023 - 11:31am
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B1 CONSTRUCTION SAFETY PHASING PLAN
SCALE: 1" = 200'



- 1 WORK AREA "A"
- 2 CONTRACTOR'S STAGING AREA
- 3 LIGHTED RUNWAY CLOSURE MARKER, PER DETAIL A1/GC-501
- 4 BARRICADE LOCATION, PER DETAIL A2/GC-501

	WORK AREA LIMIT
	LOW PROFILE BARRICADES
	LIGHTED RUNWAY CLOSURE MARKER
	WORK AREA
	CONTRACTOR'S STAGING AREA
	CONTRACTOR'S ACCESS ROUTE
	CONTRACTOR'S FLAG PERSON

- THE WORK AREA ENTRANCE WILL BE THE EXISTING NORTH ACCESS GATE VIA CABRILLO HIGHWAY ON THE NORTH-EAST END OF THE AIRPORT PROPERTY, AND IT MUST BE MANNED BY A FLAG PERSON TO MAINTAIN THE SECURITY OF THE AIRPORT AT ALL TIMES THE GATE IS OPENED OR UNLOCKED.
- THE STAGING AREA WILL BE LOCATED AT THE NORTH-EAST END OF THE AIRPORT PROPERTY NEAR THE ACCESS GATE.
- THE RUNWAY AND ALL TAXIWAY CONNECTORS WILL BE CLOSED FOR ALL WORK IN THIS AREA FOR 9 CALENDAR DAYS (7 DAYS FOR MARKINGS REMOVAL, SEAL COAT RELATED WORK AND TEMPORARY STRIPING; 2 DAYS TO COMPLETE FINAL MARKING AFTER 30 DAY CURE TIME. THE RUNWAY AND ALL TAXIWAYS WILL BE OPENED DURING THE 30 DAY CURE TIME.
- ANY DAMAGE TO EXISTING ROADS SHALL BE REPAIRED IMMEDIATELY AT CONTRACTOR'S EXPENSE.



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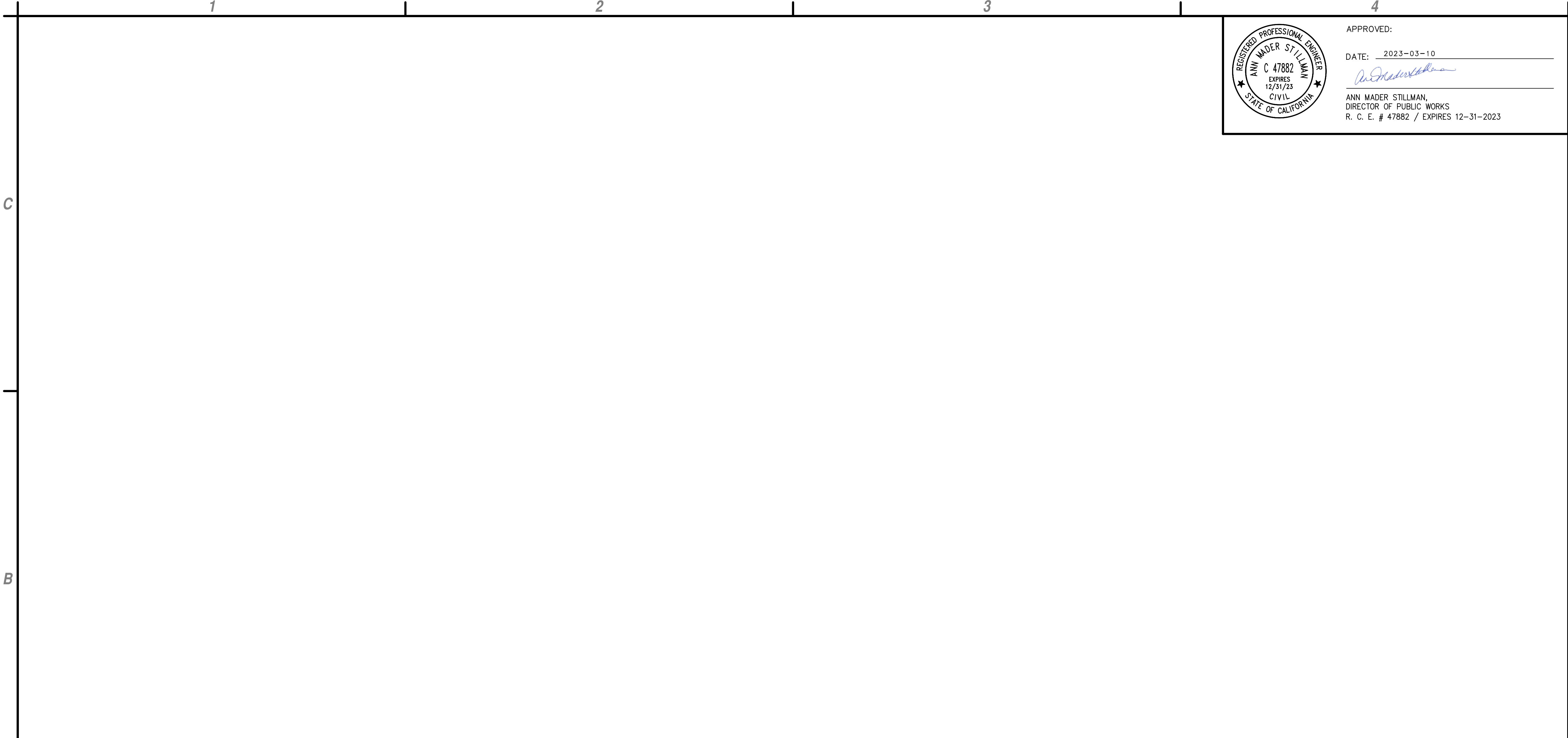
A1 KEYED NOTES
SCALE: NOT TO SCALE

A2 LEGEND
SCALE: NOT TO SCALE

A3 GENERAL NOTES
SCALE: NOT TO SCALE

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: E5076		
DATE: MARCH 2023		
DRAWN BY: STB		
DESIGNED BY: C/JG		
CHECKED BY: RDG		

CONSTRUCTION
SAFETY
PHASING PLAN

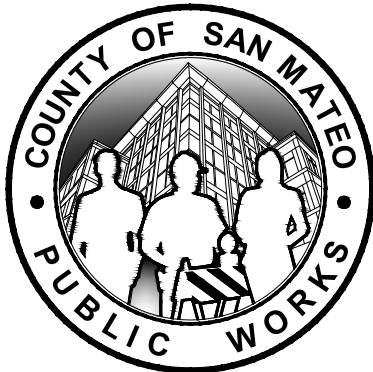


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DATE: 2023-03-10
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DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



C&S
COMPANIES

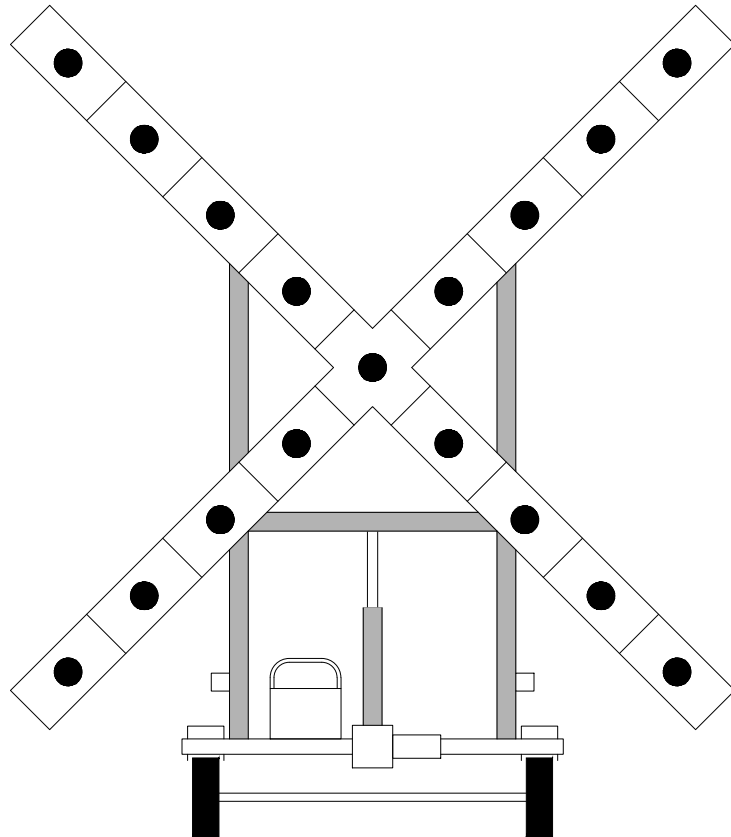
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COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

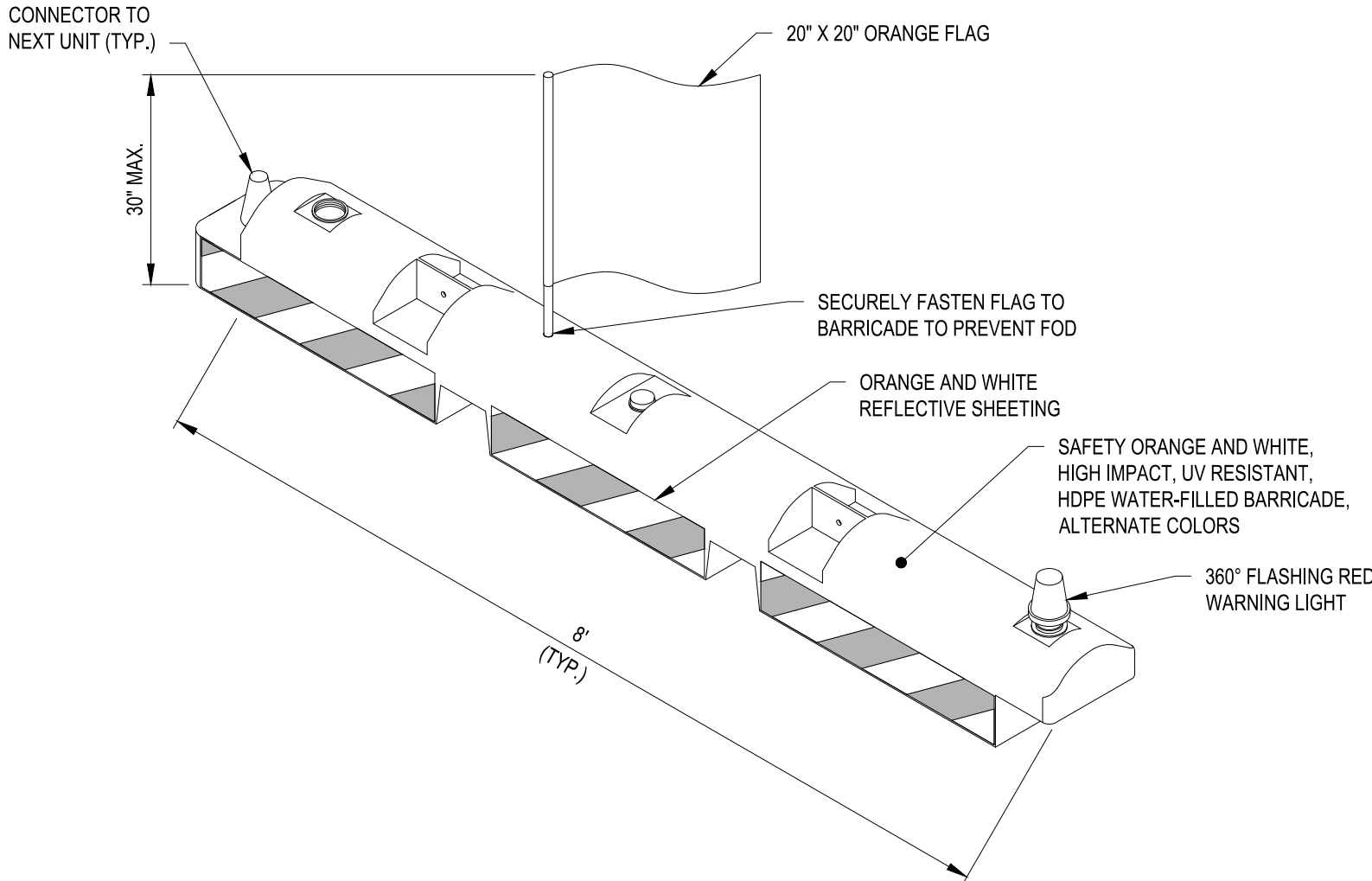
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B1 NOT USED
SCALE: NOT TO SCALE



NOTE:
LIGHTED RUNWAY CLOSURE MARKERS SHALL BE PROVIDED BY AND MAINTAINED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR FUELING AND ALL MAINTENANCE REQUIRED DURING CONSTRUCTION. COST SHALL BE INCLUDED IN ITEM C-106.

A1 LIGHTED RUNWAY CLOSURE MARKER, ITEM C-106
SCALE: NOT TO SCALE



- BARRICADE NOTES:
- BARRICADES SHALL BE 6" X 8' AIRPORT LOW PROFILE BARRICADE AS MANUFACTURED BY NEUBERT AERO CORP., OR 10" X 8' RRM LOW PROFILE AIRPORT BARRIER AS MANUFACTURED BY SHERWIN INDUSTRIES, INC., OR APPROVED EQUAL.
 - BARRICADES SHALL EXTEND TO EDGES OF PAVEMENT UNLESS OTHERWISE SHOWN. EXACT LOCATIONS SHALL BE DETERMINED DURING CONSTRUCTION.
 - BARRICADES SHALL BE FILLED WITH WATER AND INTERLOCKED WITH EACH OTHER. BARRICADES WHICH HAVE TO BE MOVED DAILY MAY BE ANCHORED TO THE PAVEMENT BY AN ALTERNATE METHOD.
 - ONE FLAG AND ONE WARNING LIGHT SHALL BE ATTACHED TO EACH BARRICADE.
 - IN AREAS OF JET BLAST, USE METAL STRAPS AND EXPANSION ANCHORS TO SECURE BARRICADES TO THE PAVEMENT.
 - ALL LOW PROFILE BARRICADES SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR.

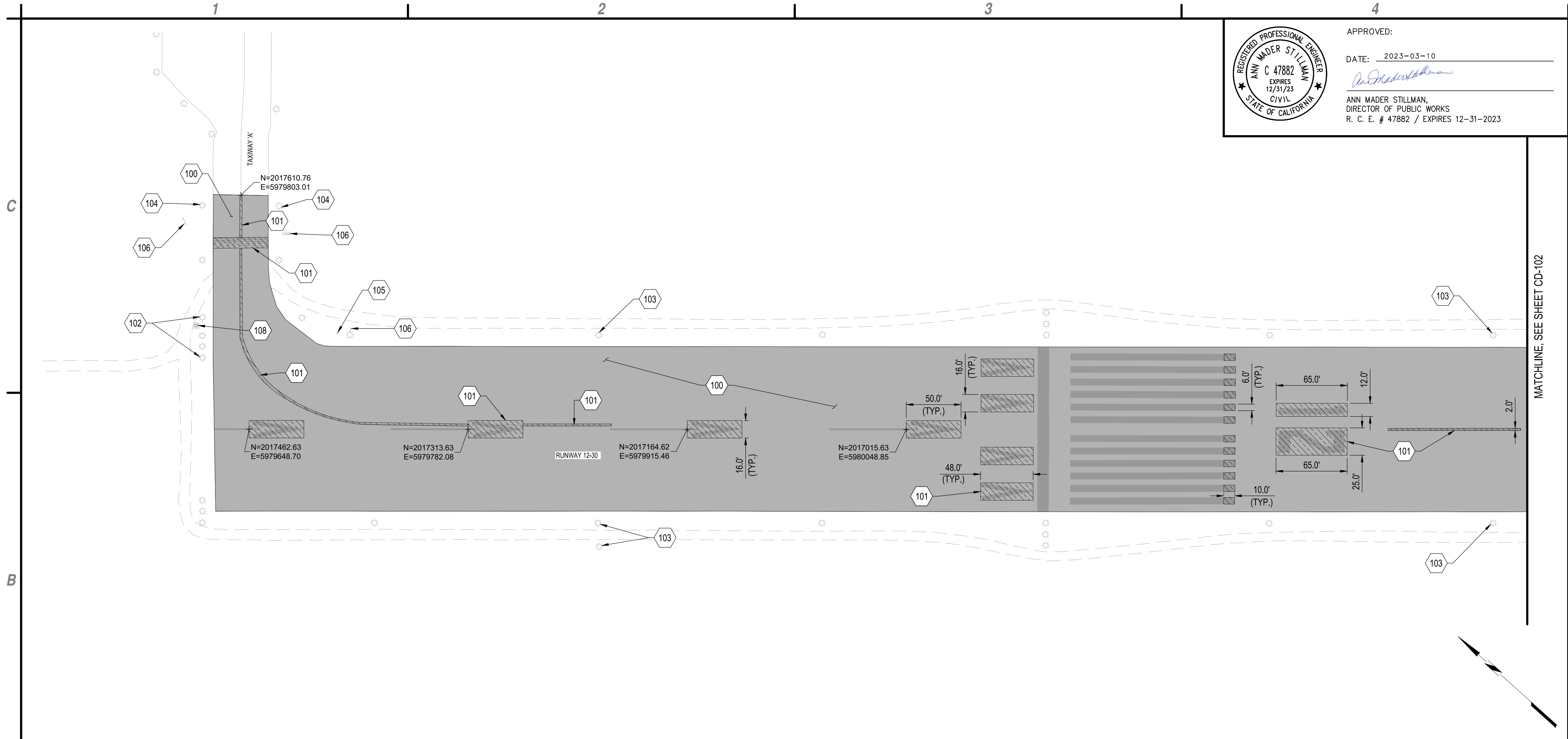
A2 INTERLOCKING BARRICADE DETAIL, ITEM C-106
SCALE: NOT TO SCALE



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CONSTRUCTION
SAFETY
PHASING DETAILS

GC-501

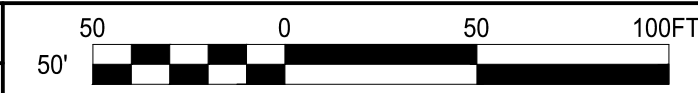


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DATE: 2023-03-10
[Signature]
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

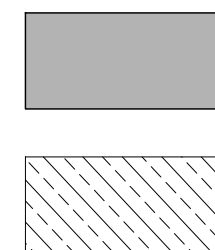
MATCHLINE, SEE SHEET CD-102

B1 DEMOLITION PLAN

SCALE: 1" = 50'

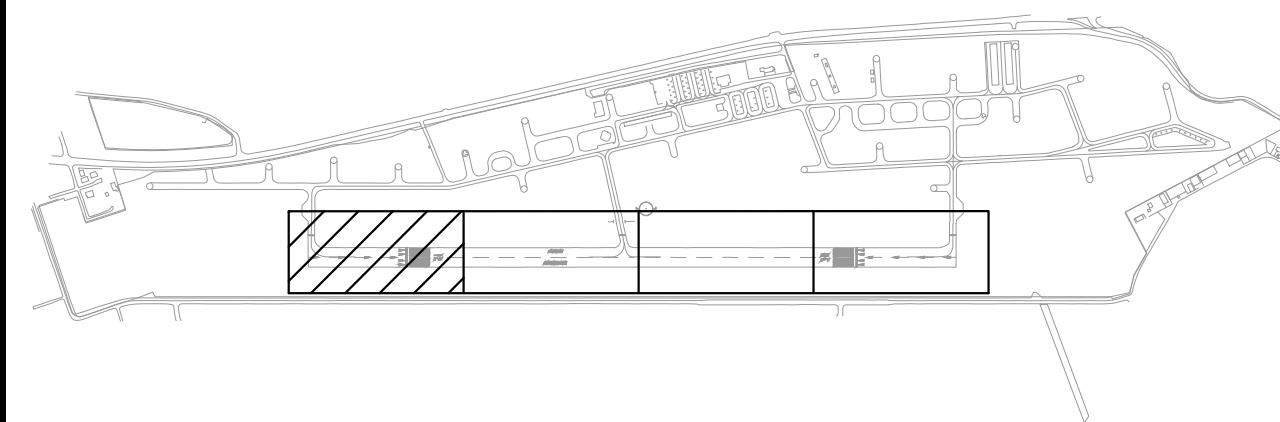


- 100 PREPARE SURFACE TO RECEIVE CRACK SEAL AND SEAL COAT SURFACE TREATMENT IN ACCORDANCE WITH SPECIFICATION SECTION P-101, SURFACE PREPARATION.
101 OBLITERATE EXISTING PAVEMENT MARKINGS, (TYP.), ITEM P-620.
102 EXISTING RUNWAY END LIGHTS, PROTECT IN PLACE (TYP).
103 EXISTING RUNWAY EDGE LIGHTS, PROTECT IN PLACE (TYP).
104 EXISTING TAXIWAY EDGE LIGHTS, PROTECT IN PLACE (TYP).
105 EXISTING ELECTRICAL PULL BOX, PROTECT IN PLACE (TYP).
106 EXISTING TAXIWAY SIGN, PROTECT IN PLACE.
108 EXISTING UTILITY MANHOLE, PROTECT IN PLACE.



PAVEMENT TO BE CLEANED AND PREPARED FOR SURFACE TREATMENT
MARKINGS TO BE OBLITERATED

1. CONTRACTOR SHALL PROTECT EXISTING MARKINGS UNLESS OTHERWISE SHOWN.



A4 KEY MAP
NOT TO SCALE



APPROVED:
DATE: 2023-03-07
[Signature]
MICHAEL C. DUNNE-VECCHIO,
C&S ENGINEERS INC.
R. C. E. # 092883 / EXPIRES 12-31-2023

A1 KEYED NOTES
NOT TO SCALE

A2 LEGEND
NOT TO SCALE

A3 GENERAL NOTES
NOT TO SCALE

**COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION**

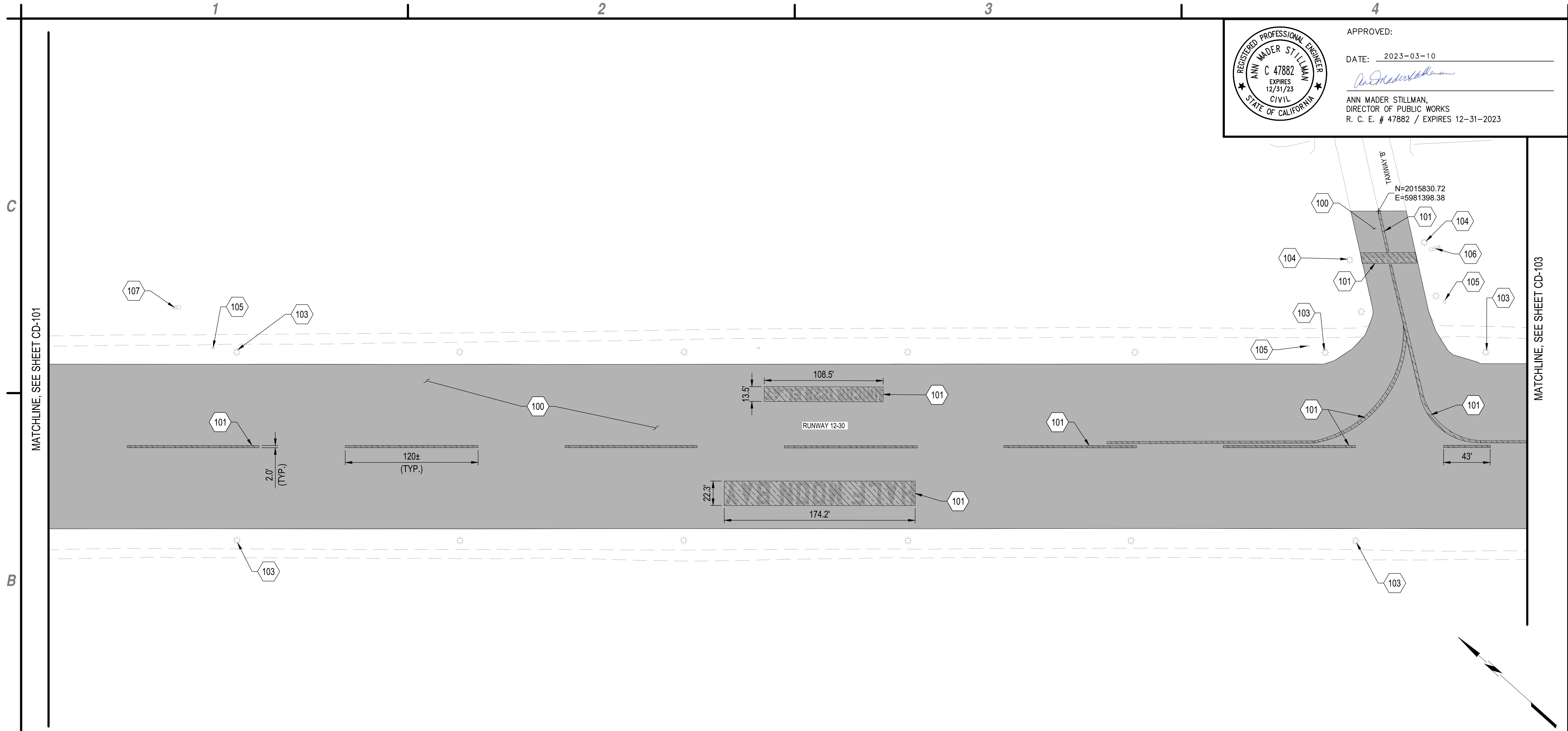
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: E5076		
DATE: MARCH 2023		
DRAWN BY: STB		
DESIGNED BY: C/JG		
CHECKED BY: RDG		

DEMOLITION PLAN

CD-101

6 of 19

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REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:
DATE: 2023-03-10

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

C&S
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COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

B1

DEMOLITION PLAN
SCALE: 1" = 50'

100 PREPARE SURFACE TO RECEIVE CRACK SEAL AND SEAL COAT SURFACE TREATMENT IN ACCORDANCE WITH SPECIFICATION SECTION P-101, SURFACE PREPARATION.
101 OBLITERATE EXISTING PAVEMENT MARKINGS, (TYP.), ITEM P-620.
103 EXISTING RUNWAY EDGE LIGHTS, PROTECT IN PLACE (TYP).
104 EXISTING TAXIWAY EDGE LIGHTS, PROTECT IN PLACE (TYP).
105 EXISTING ELECTRICAL PULL BOX, PROTECT IN PLACE (TYP).
106 EXISTING TAXIWAY SIGN, PROTECT IN PLACE.
107 EXISTING PAPI, PROTECT IN PLACE.

PAVEMENT TO BE CLEANED AND PREPARED FOR SURFACE TREATMENT

MARKINGS TO BE OBLITERATED

1. CONTRACTOR SHALL PROTECT EXISTING MARKINGS UNLESS OTHERWISE SHOWN.

A4

KEY MAP
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
MICHAEL C. DUNNE-VECCHIO
No. C 092883
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

APPROVED:
DATE: 2023-03-07

MICHAEL C. DUNNE-VECCHIO,
C&S ENGINEERS INC.
R. C. E. # 092883 / EXPIRES 12-31-2023

A1

KEYED NOTES
NOT TO SCALE

A2

LEGEND
NOT TO SCALE

A3

GENERAL NOTES
NOT TO SCALE

Mar 14, 2023 - 11:32am
F:\Project\116 - San Mateo County\116.003.003 - H&F Runway Pavement Preservation\116.003.003.5-DEMO PLAN.dwg

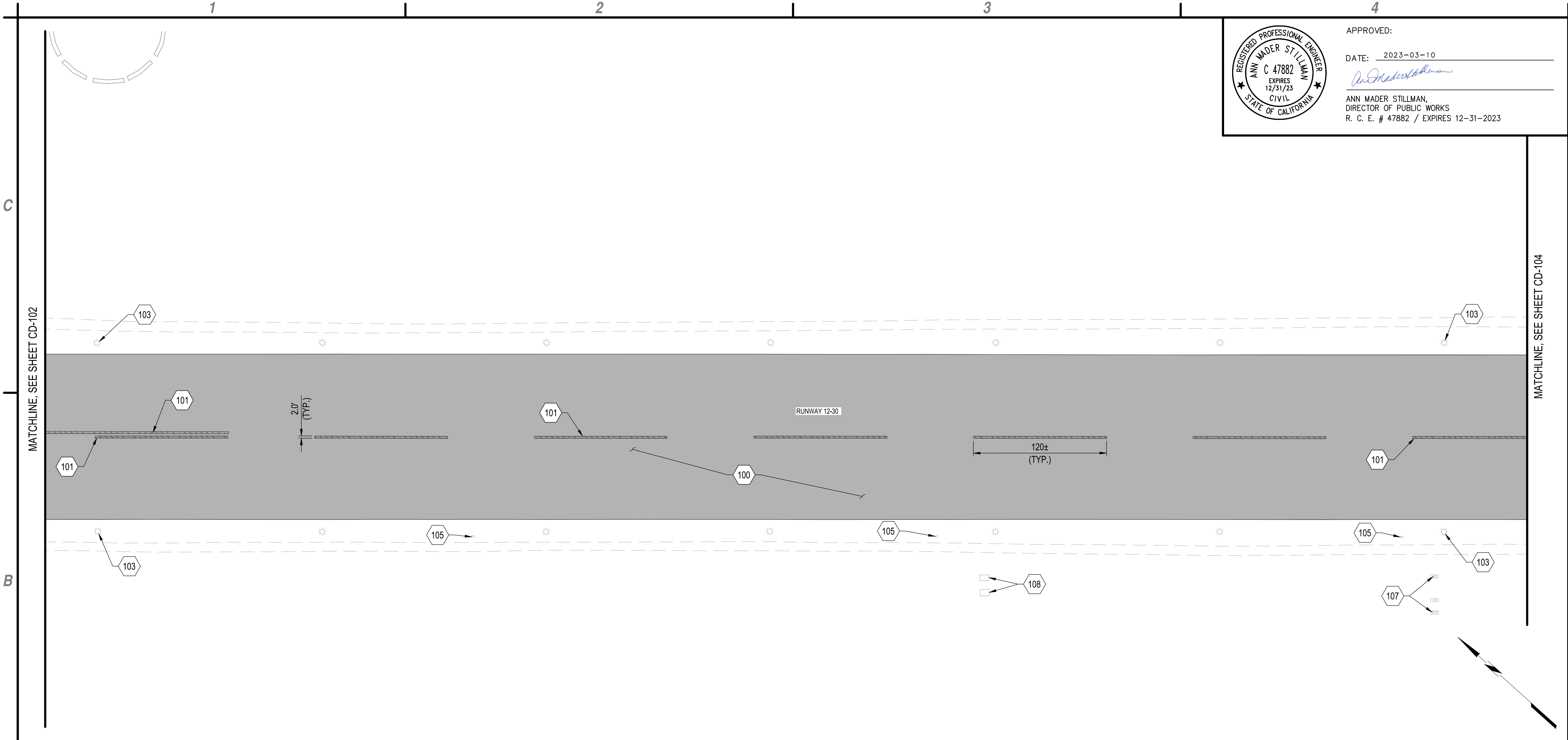
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: E5076		
DATE: MARCH 2023		
DRAWN BY: STB		
DESIGNED BY: C/JG		
CHECKED BY: RDG		

DEMOLITION PLAN

CD-102

7 of 19

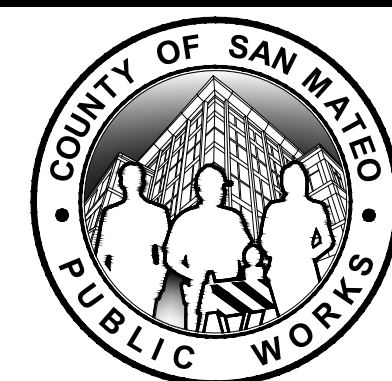
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COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

B1 DEMOLITION PLAN

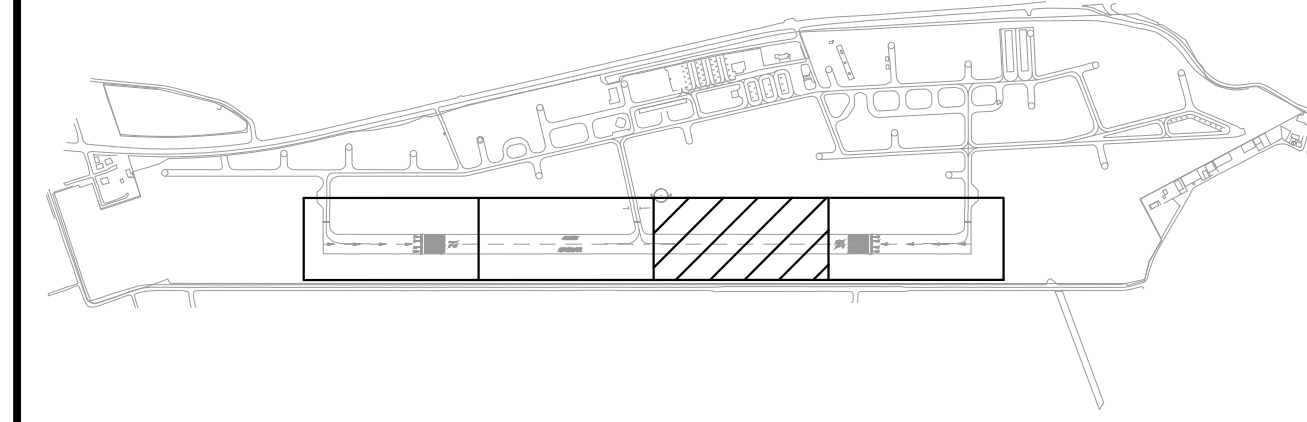
SCALE: 1" = 50'



- 100 PREPARE SURFACE TO RECEIVE CRACK SEAL AND SEAL COAT SURFACE TREATMENT IN ACCORDANCE WITH SPECIFICATION SECTION P-101, SURFACE PREPARATION.
101 OBLITERATE EXISTING PAVEMENT MARKINGS, (TYP.), ITEM P-620.
103 EXISTING RUNWAY EDGE LIGHTS, PROTECT IN PLACE (TYP).
105 EXISTING ELECTRICAL PULL BOX, PROTECT IN PLACE (TYP).
107 EXISTING PAPI, PROTECT IN PLACE.
108 EXISTING UTILITY MANHOLE, PROTECT IN PLACE.

- PAVEMENT TO BE CLEANED AND PREPARED FOR SURFACE TREATMENT
 MARKINGS TO BE OBLITERATED

1. CONTRACTOR SHALL PROTECT EXISTING MARKINGS UNLESS OTHERWISE SHOWN.



A4 KEY MAP
NOT TO SCALE



APPROVED:
DATE: 2023-03-07
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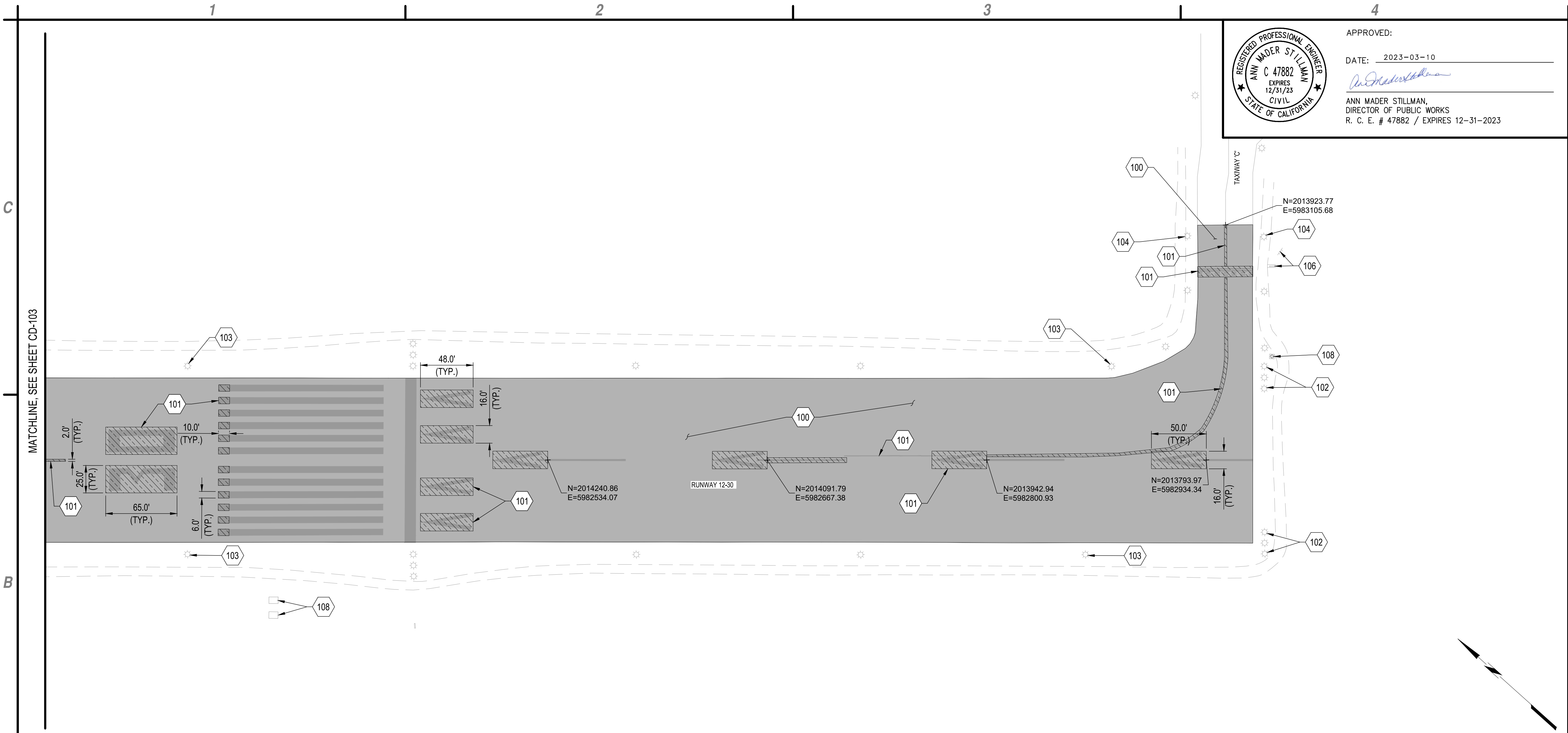
A1 KEYED NOTES
NOT TO SCALE

A2 LEGEND
NOT TO SCALE

A3 GENERAL NOTES
NOT TO SCALE

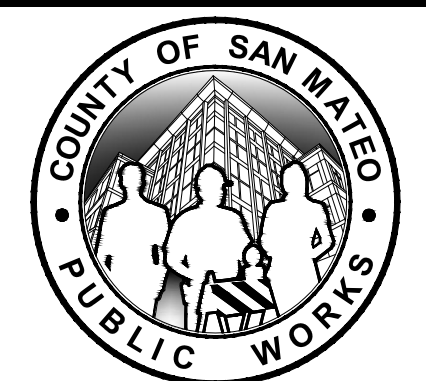
DEMOLITION PLAN

CD-103



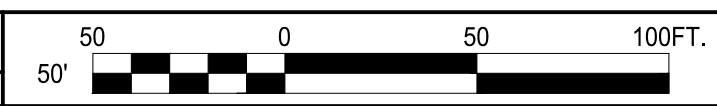
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COUNTY OF SAN MATEO
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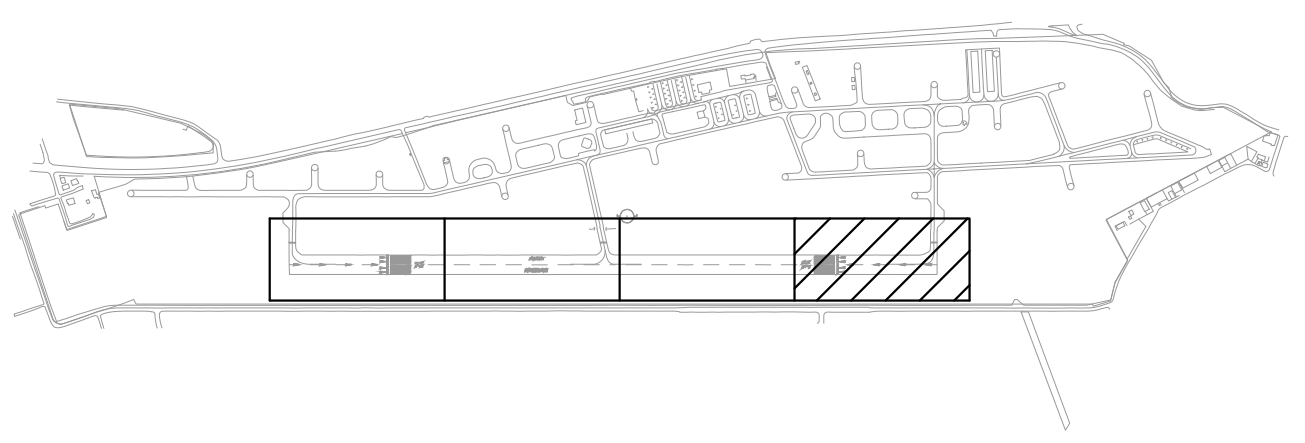
B1 DEMOLITION PLAN
SCALE: 1" = 50'



- 100 PREPARE SURFACE TO RECEIVE CRACK SEAL AND SEAL COAT SURFACE TREATMENT IN ACCORDANCE WITH SPECIFICATION SECTION P-101, SURFACE PREPARATION.
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PAVEMENT TO BE CLEANED AND PREPARED FOR SURFACE TREATMENT

1. CONTRACTOR SHALL PROTECT EXISTING MARKINGS UNLESS OTHERWISE SHOWN.



A4 KEY MAP
NOT TO SCALE



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C&S ENGINEERS INC.
R. C. E. # 092883 / EXPIRES 12-31-2023

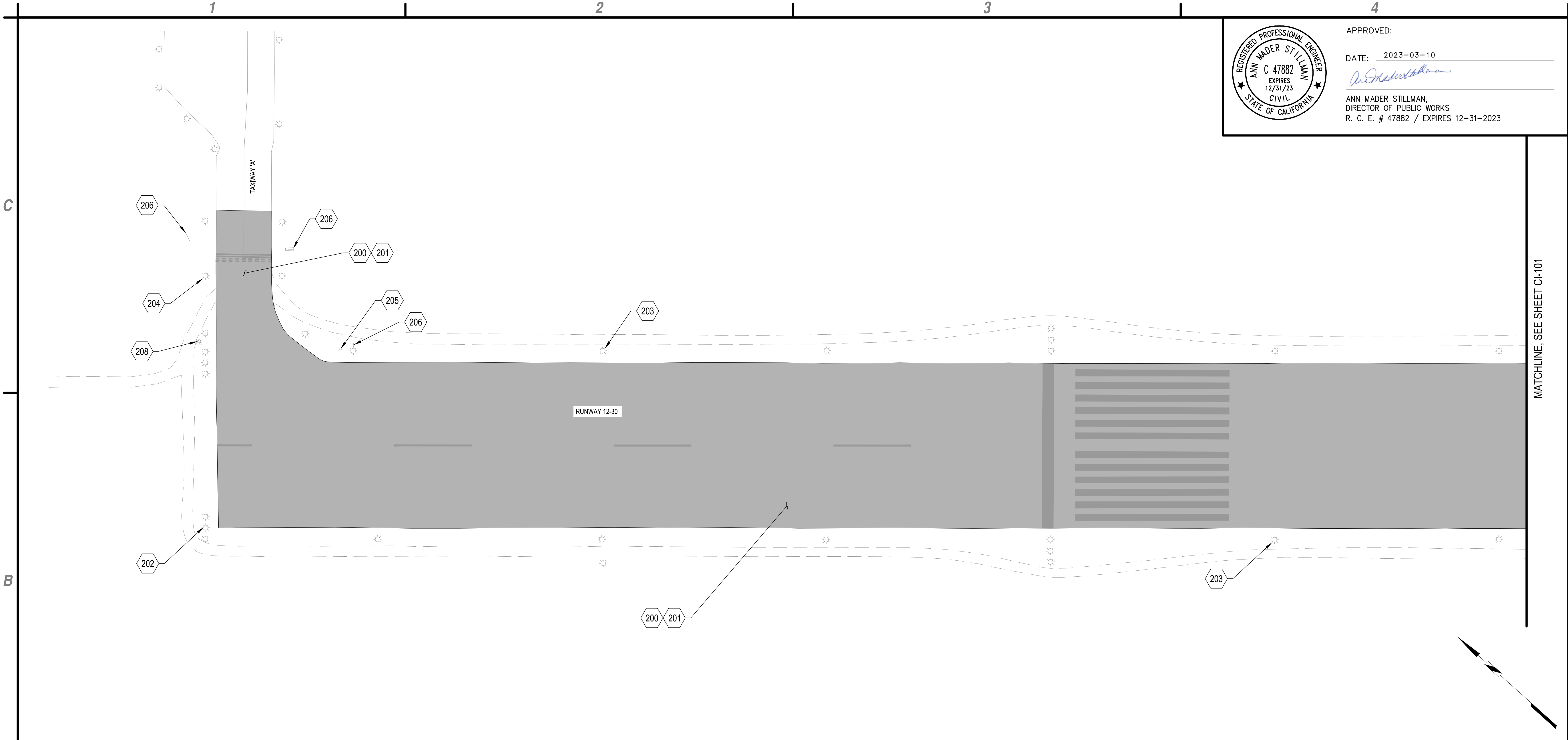
A1 KEYED NOTES
NOT TO SCALE


A2 LEGEND
NOT TO SCALE

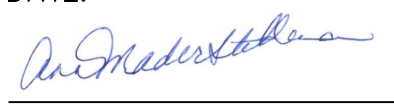
A3 GENERAL NOTES
NOT TO SCALE

DEMOLITION PLAN

CD-104





APPROVED:
DATE: 2023-03-10

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

MATCHLINE, SEE SHEET CI-101

B1 IMPROVEMENT PLAN
SCALE: 1" = 50'

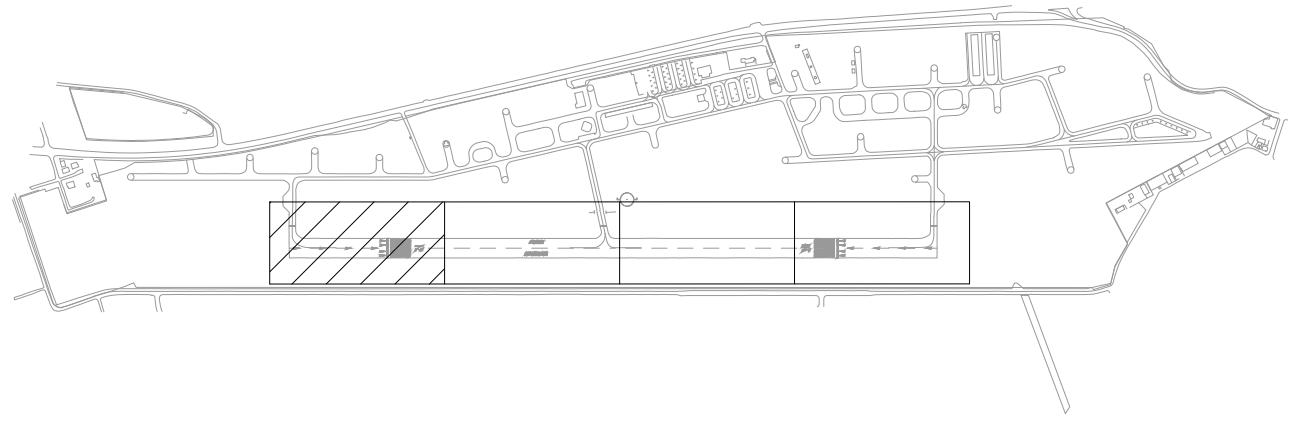


- 200 CRACK SEAL EXISTING PAVEMENT PER DETAIL A1/CI-501, ITEM P-101.
- 201 PLACE EMULSIFIED ASPHALT SEAL COAT SURFACE TREATMENT WITH AGGREGATE, PER DETAIL A2/CI-501, ITEM P-608R.
- 202 EXISTING RUNWAY END LIGHTS, PROTECT IN PLACE (TYP).
- 203 EXISTING RUNWAY EDGE LIGHTS, PROTECT IN PLACE (TYP).
- 204 EXISTING TAXIWAY EDGE LIGHTS, PROTECT IN PLACE (TYP).
- 205 EXISTING ELECTRICAL PULLBOX, PROTECT IN PLACE (TYP).
- 206 EXISTING SIGN, PROTECT IN PLACE (TYP).
- 208 EXISTING UTILITY STRUCTURE, PROTECT IN PLACE.




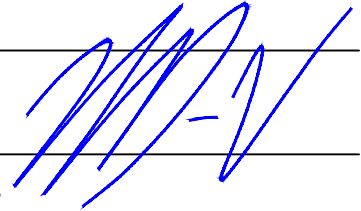
SEAL COAT PER ITEM P-608R

- NOTES:
- CRACK SEAL EXISTING ASPHALT PAVEMENT PRIOR TO SURFACE TREATMENT.
 - THE CONTRACTOR SHALL SUBMIT A MIX DESIGN FOR THE PROPOSED SEAL COAT WITH SAMPLES OF MATERIALS TO BE USED 14 DAYS PRIOR TO THE START OF CONSTRUCTION.



A4 KEY MAP
NOT TO SCALE



APPROVED:
DATE: 2023-03-07

MICHAEL C. DUNNE-VECCHIO,
C&S ENGINEERS INC.
R. C. E. # 092883 / EXPIRES 12-31-2023

A1 KEYED NOTES
NOT TO SCALE

A2 LEGEND
NOT TO SCALE

A3 GENERAL NOTES
NOT TO SCALE



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Phone: 916-364-1470
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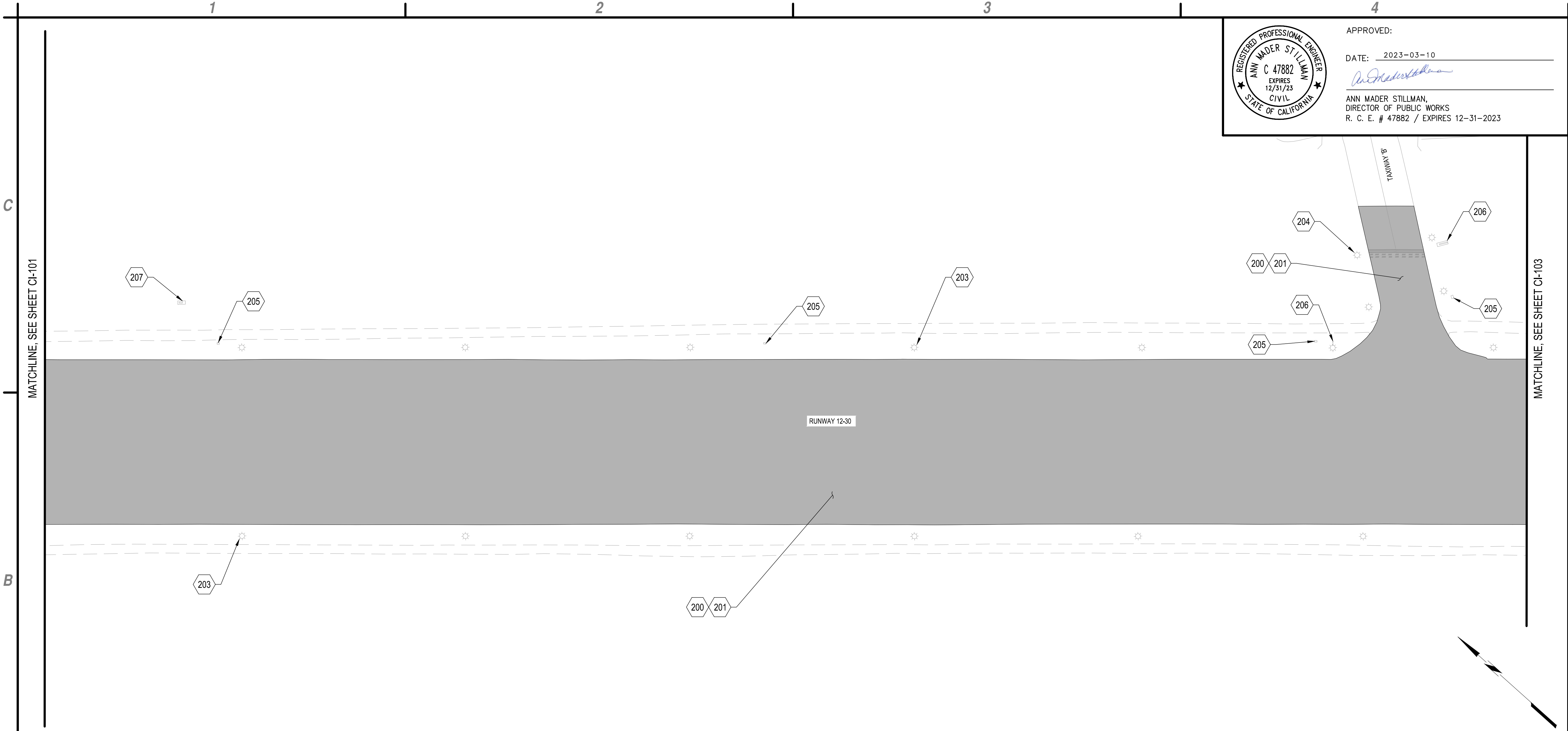


COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: E5076		
DATE: MARCH 2023		
DRAWN BY: STB		
DESIGNED BY: CJG		
CHECKED BY: RDG		

IMPROVEMENT PLAN

CI-101



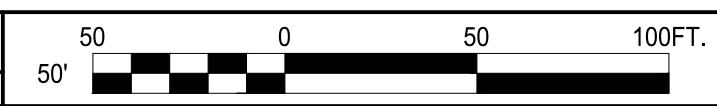
REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:
DATE: 2023-03-10

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

B1 IMPROVEMENT PLAN

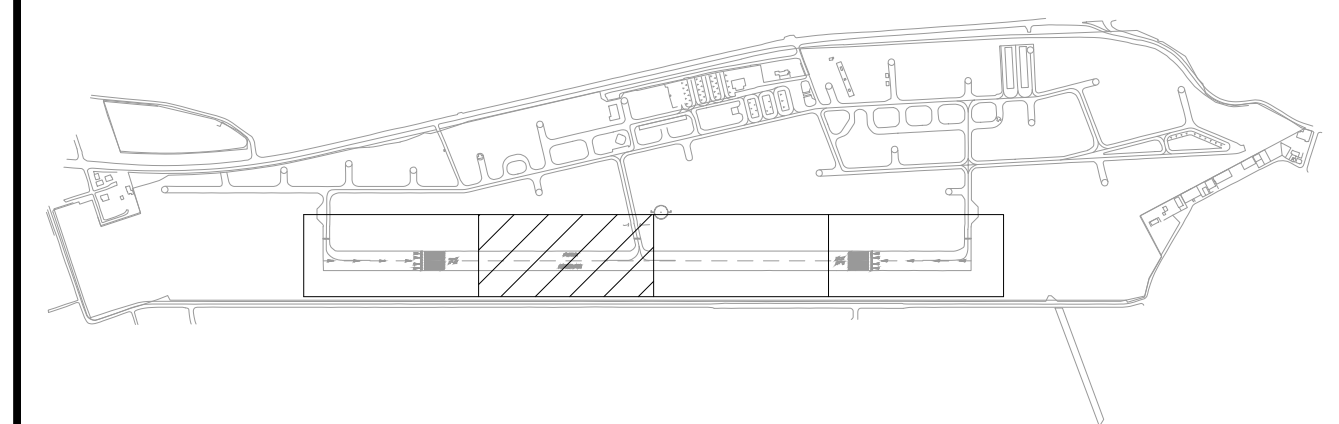
SCALE: 1" = 50'



- 200 CRACK SEAL EXISTING PAVEMENT PER DETAIL A1/CI-501, ITEM P-101.
- 201 PLACE EMULSIFIED ASPHALT SEAL COAT SURFACE TREATMENT WITH AGGREGATE, PER DETAIL A2/CI-501, ITEM P-608R.
- 203 EXISTING RUNWAY EDGE LIGHTS, PROTECT IN PLACE (TYP).
- 204 EXISTING TAXIWAY EDGE LIGHTS, PROTECT IN PLACE (TYP).
- 205 EXISTING ELECTRICAL PULLBOX, PROTECT IN PLACE (TYP).
- 206 EXISTING SIGN, PROTECT IN PLACE (TYP).
- 207 EXISTING PAPI, PROTECT IN PLACE.



- NOTES:
- CRACK SEAL EXISTING ASPHALT PAVEMENT PRIOR TO SURFACE TREATMENT.
 - THE CONTRACTOR SHALL SUBMIT A MIX DESIGN FOR THE PROPOSED SEAL COAT WITH SAMPLES OF MATERIALS TO BE USED 14 DAYS PRIOR TO THE START OF CONSTRUCTION.



A4 KEY MAP

NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
MICHAEL C. DUNNE-VECCHIO
No. C 092883
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

APPROVED:
DATE: 2023-03-07

MICHAEL C. DUNNE-VECCHIO,
C&S ENGINEERS INC.
R. C. E. # 092883 / EXPIRES 12-31-2023

A1 KEYED NOTES

NOT TO SCALE

A2 LEGEND

NOT TO SCALE

A3 GENERAL NOTES

NOT TO SCALE

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COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

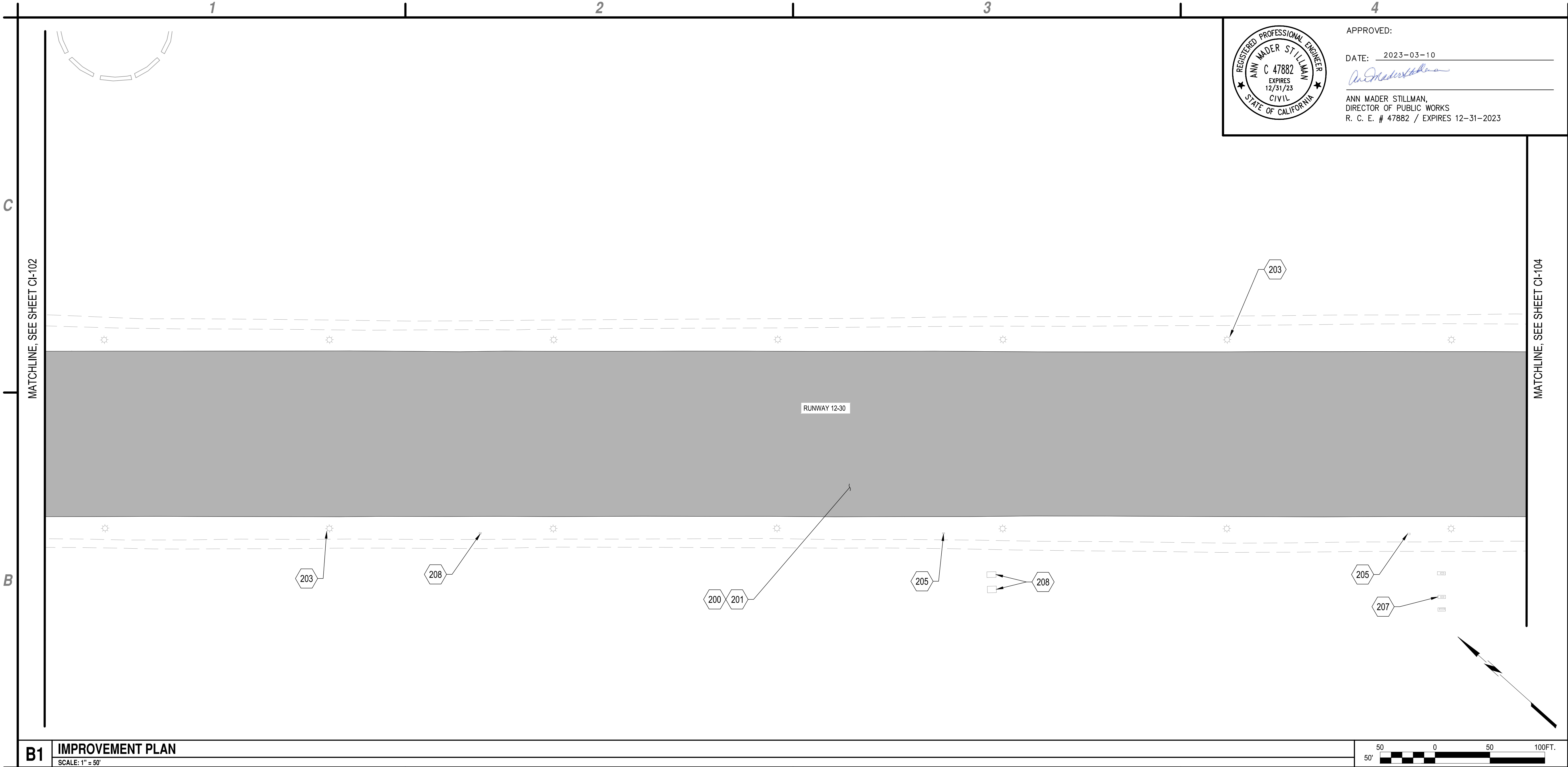
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: E5076		
DATE: MARCH 2023		
DRAWN BY: STB		
DESIGNED BY: CJG		
CHECKED BY: RDG		


IMPROVEMENT PLAN


CI-102
11 of 19

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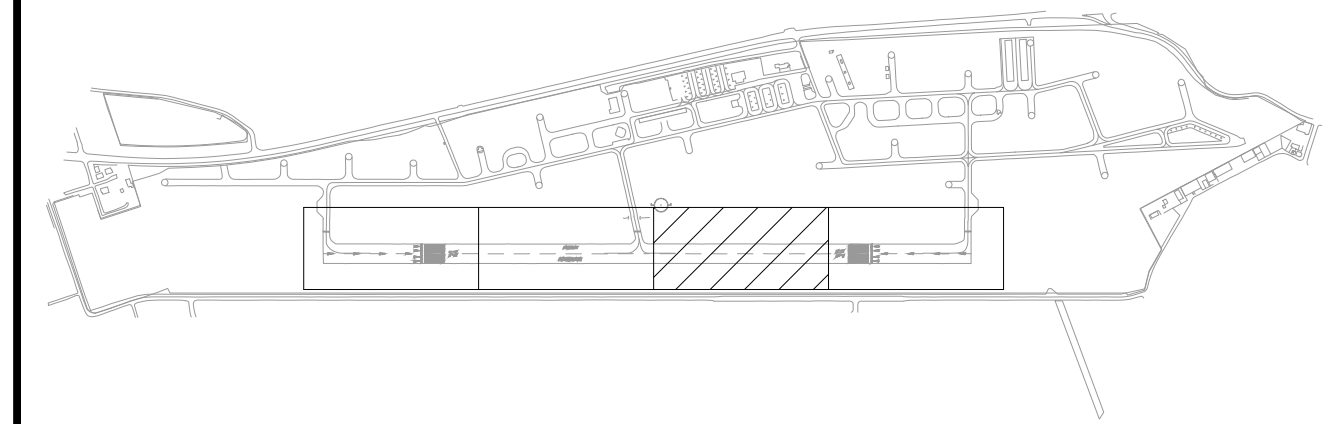
APPROVED:
DATE: 2023-03-10

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

B1 IMPROVEMENT PLAN
SCALE: 1" = 50'


- 200 CRACK SEAL EXISTING PAVEMENT PER DETAIL A1/CI-501, ITEM P-101.
- 201 PLACE EMULSIFIED ASPHALT SEAL COAT SURFACE TREATMENT WITH AGGREGATE, PER DETAIL A2/CI-501, ITEM P-608R.
- 203 EXISTING RUNWAY EDGE LIGHTS, PROTECT IN PLACE (TYP).
- 205 EXISTING ELECTRICAL PULLBOX, PROTECT IN PLACE (TYP).
- 207 EXISTING PAPI, PROTECT IN PLACE.
- 208 EXISTING UTILITY STRUCTURE, PROTECT IN PLACE.

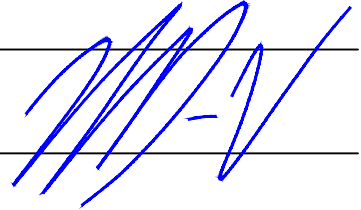


- NOTES:
- CRACK SEAL EXISTING ASPHALT PAVEMENT PRIOR TO SURFACE TREATMENT.
 - THE CONTRACTOR SHALL SUBMIT A MIX DESIGN FOR THE PROPOSED SEAL COAT WITH SAMPLES OF MATERIALS TO BE USED 14 DAYS PRIOR TO THE START OF CONSTRUCTION.



A4 KEY MAP
NOT TO SCALE



APPROVED:
DATE: 2023-03-07

MICHAEL C. DUNNE-VECCHIO,
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R. C. E. # 092883 / EXPIRES 12-31-2023

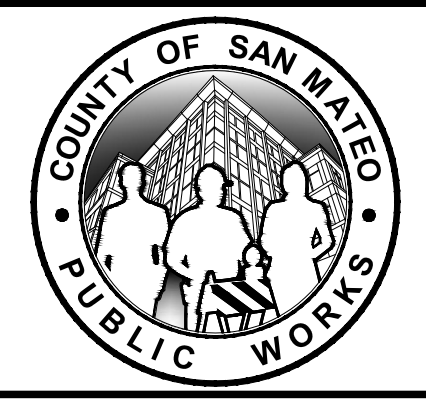
A1 KEYED NOTES
NOT TO SCALE

A2 LEGEND
NOT TO SCALE

A3 GENERAL NOTES
NOT TO SCALE



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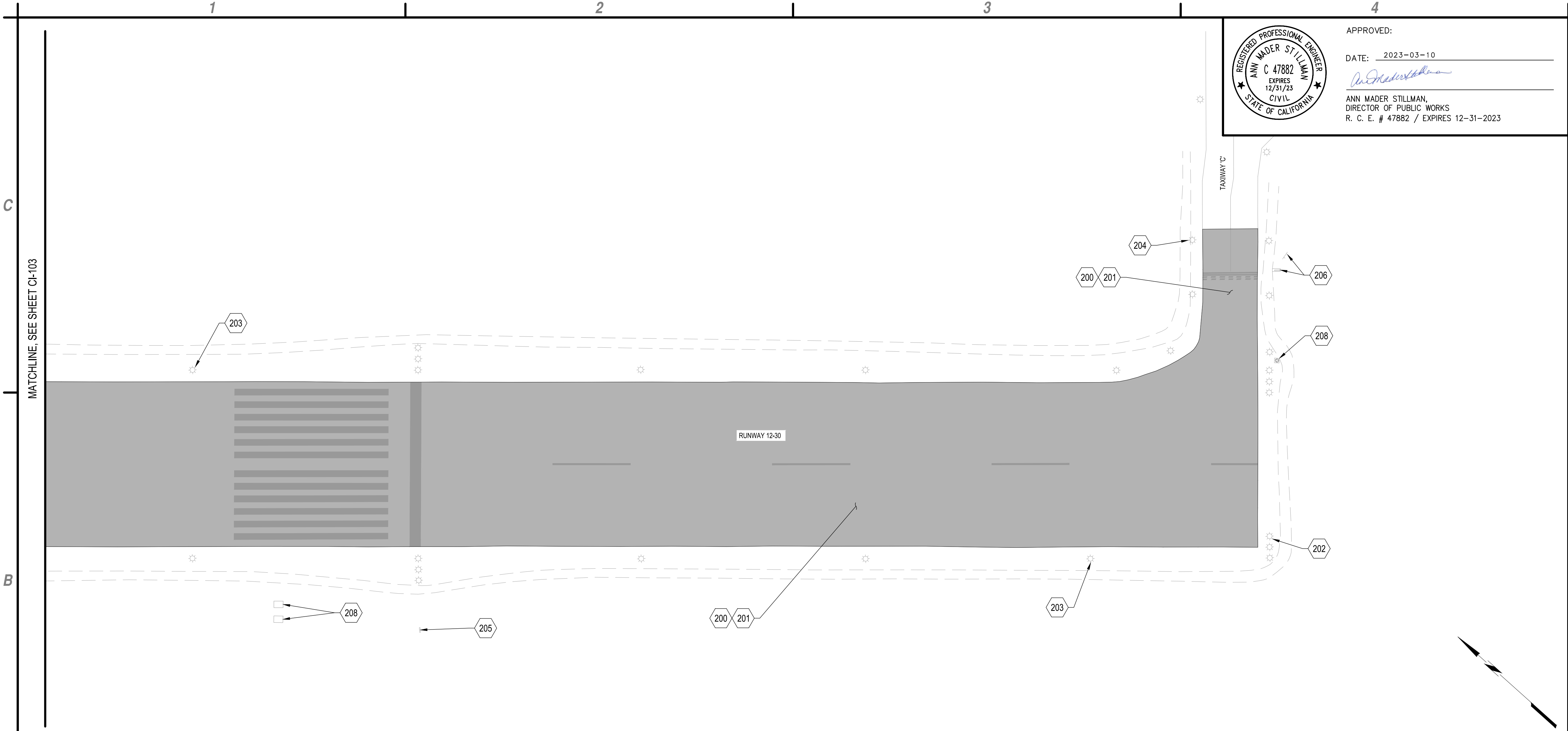



COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

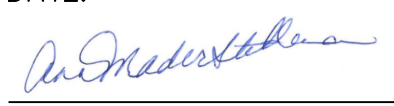
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: E5076		
DATE: MARCH 2023		
DRAWN BY: STB		
DESIGNED BY: CJG		
CHECKED BY: RDG		

IMPROVEMENT PLAN

CI-103

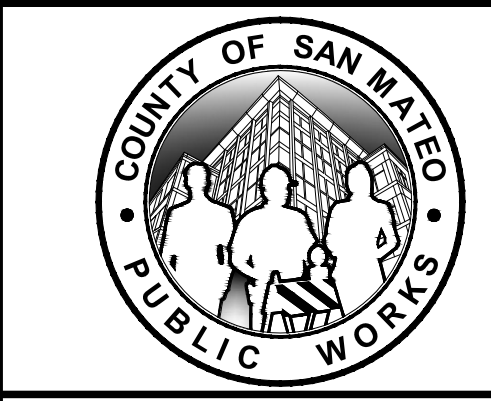




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DATE: 2023-03-10

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Sacramento, California 95826
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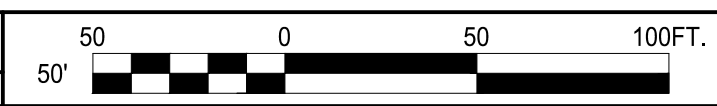


COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: E5076		
DATE: MARCH 2023		
DRAWN BY: STB		
DESIGNED BY: C/JG		
CHECKED BY: RDG		

IMPROVEMENT PLAN

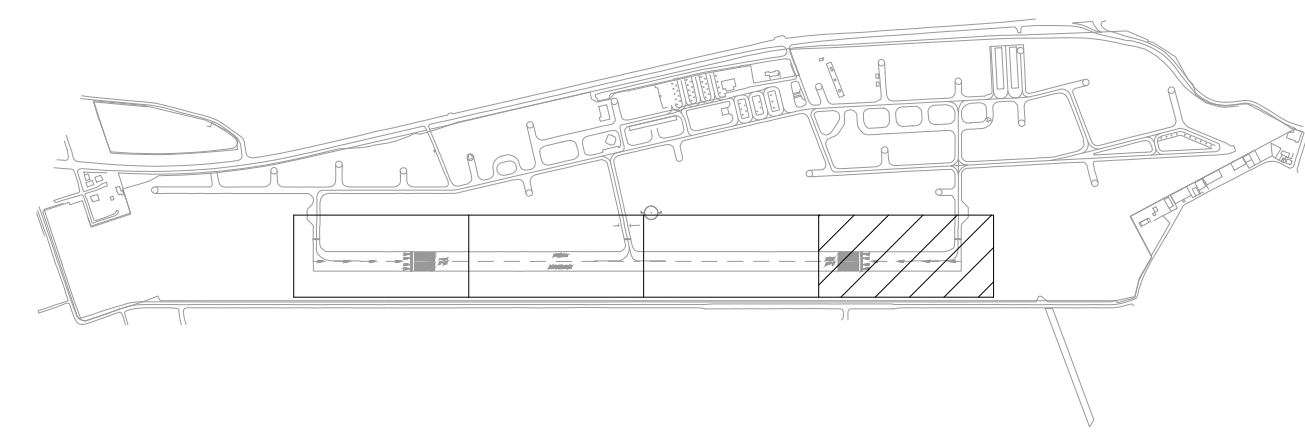
B1 IMPROVEMENT PLAN
SCALE: 1" = 50'




- 200 CRACK SEAL EXISTING PAVEMENT PER DETAIL A1/CI-501, ITEM P-101.
- 201 PLACE EMULSIFIED ASPHALT SEAL COAT SURFACE TREATMENT WITH AGGREGATE, PER DETAIL A2/CI-501, ITEM P-608R.
- 202 EXISTING RUNWAY END LIGHTS, PROTECT IN PLACE (TYP).
- 203 EXISTING RUNWAY EDGE LIGHTS, PROTECT IN PLACE (TYP).
- 204 EXISTING TAXIWAY EDGE LIGHTS, PROTECT IN PLACE (TYP).
- 205 EXISTING ELECTRICAL PULLBOX, PROTECT IN PLACE (TYP).
- 206 EXISTING SIGN, PROTECT IN PLACE (TYP).
- 208 EXISTING UTILITY STRUCTURE, PROTECT IN PLACE.

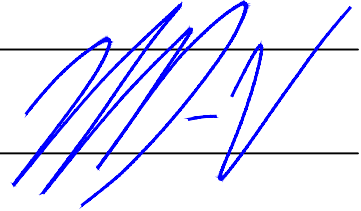


- NOTES:
- CRACK SEAL EXISTING ASPHALT PAVEMENT PRIOR TO SURFACE TREATMENT.
 - THE CONTRACTOR SHALL SUBMIT A MIX DESIGN FOR THE PROPOSED SEAL COAT WITH SAMPLES OF MATERIALS TO BE USED 14 DAYS PRIOR TO THE START OF CONSTRUCTION.



A4 KEY MAP
NOT TO SCALE



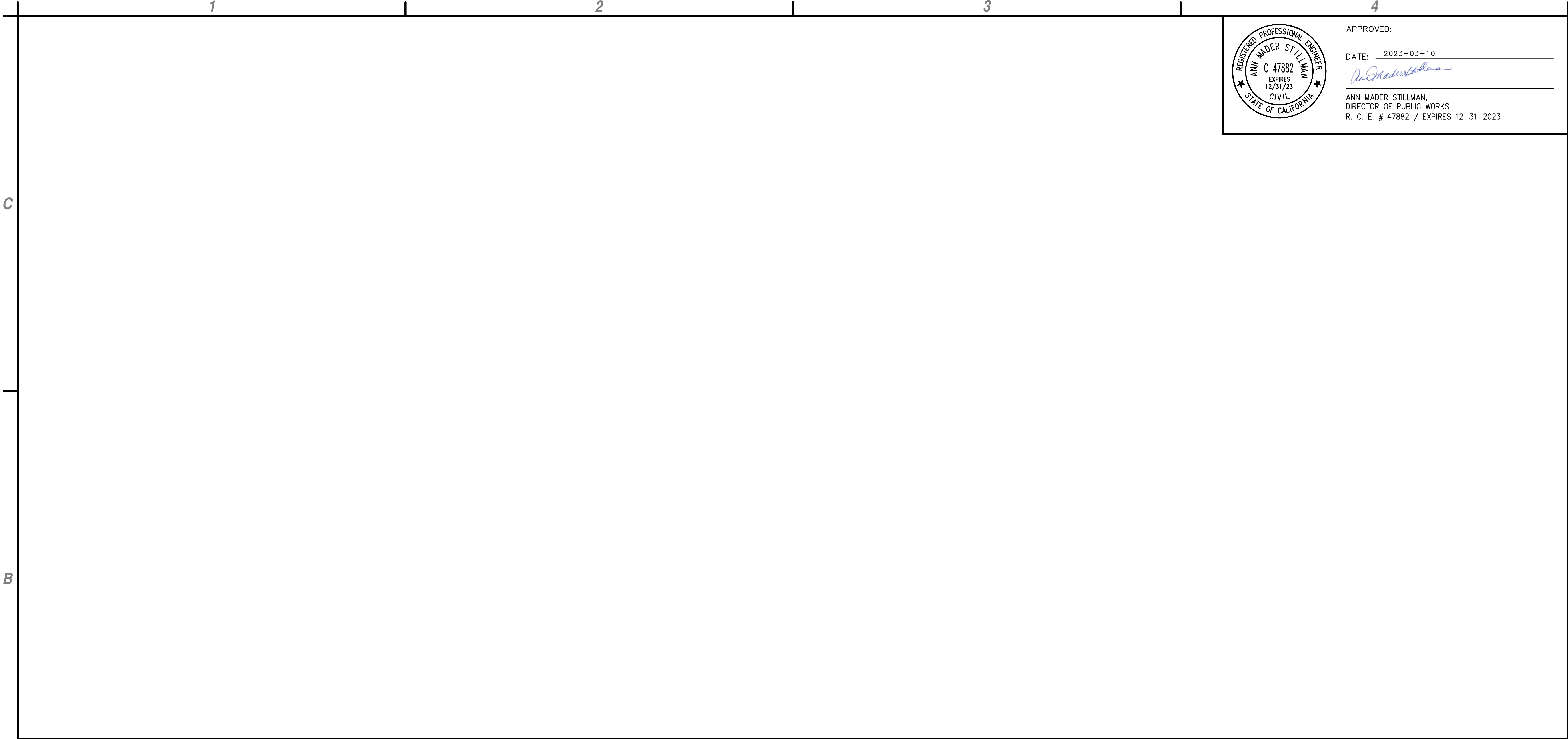
APPROVED:
DATE: 2023-03-07

MICHAEL C. DUNNE-VECCHIO,
C&S ENGINEERS INC.
R. C. E. # 092883 / EXPIRES 12-31-2023

A1 KEYED NOTES
NOT TO SCALE

A2 LEGEND
NOT TO SCALE

A3 GENERAL NOTES
NOT TO SCALE

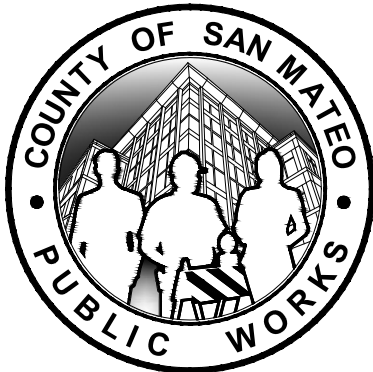
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Ann Mader Stillman
ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
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COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

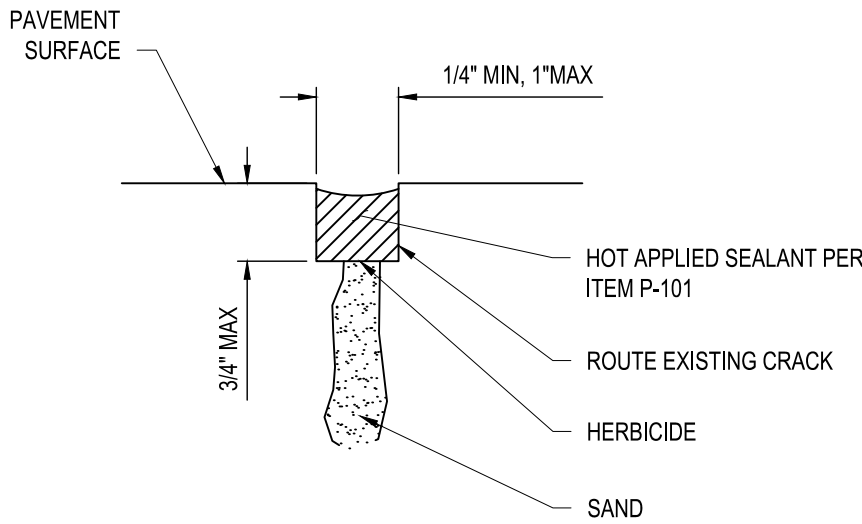
MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: E5076		
DATE: MARCH 2023		
DRAWN BY: STB		
DESIGNED BY: CUG		
CHECKED BY: RDG		

IMPROVEMENT
DETAILS

CI-501

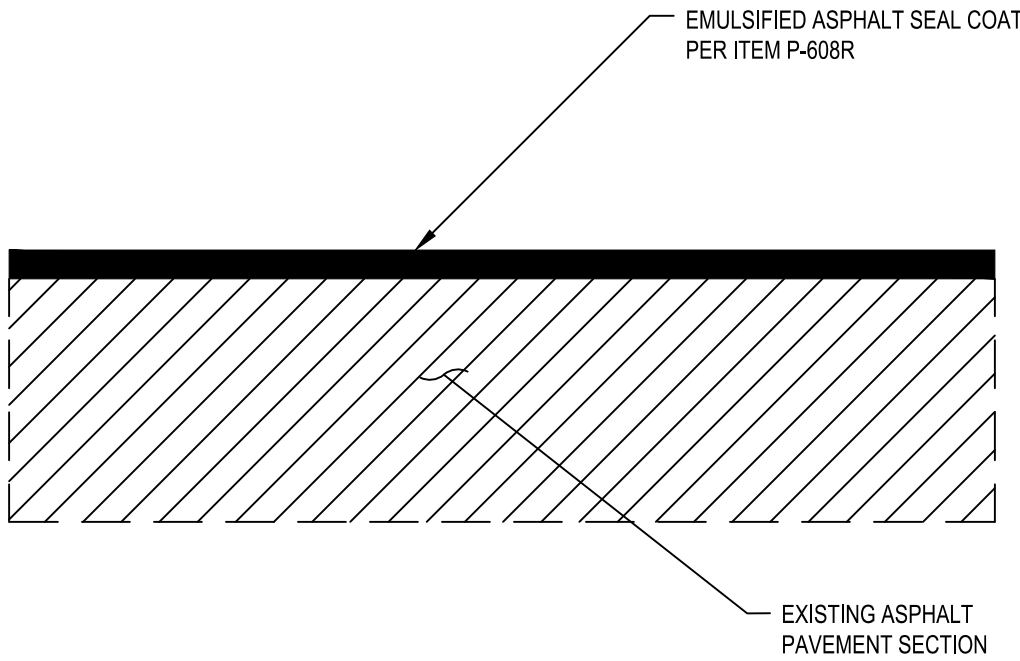
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B1 NOT USED
SCALE: NOT TO SCALE



- NOTES:
- CRACKS FROM A 1/2" TO 1" IN WIDTH SHALL BE ROUTED TO REMOVE AT LEAST 1/16" FROM EACH SIDE OF THE CRACK TO SOUND PAVEMENT.
 - CRACKS SHALL NOT BE OVERBANDED.
 - CRACKS SHALL BE AIR-BLASTED CLEAN PRIOR TO APPLYING SEALANT, PER ITEM P-101.

A1 CRACK SEAL DETAIL - 1/4" TO 1", ITEM P-101
NOT TO SCALE



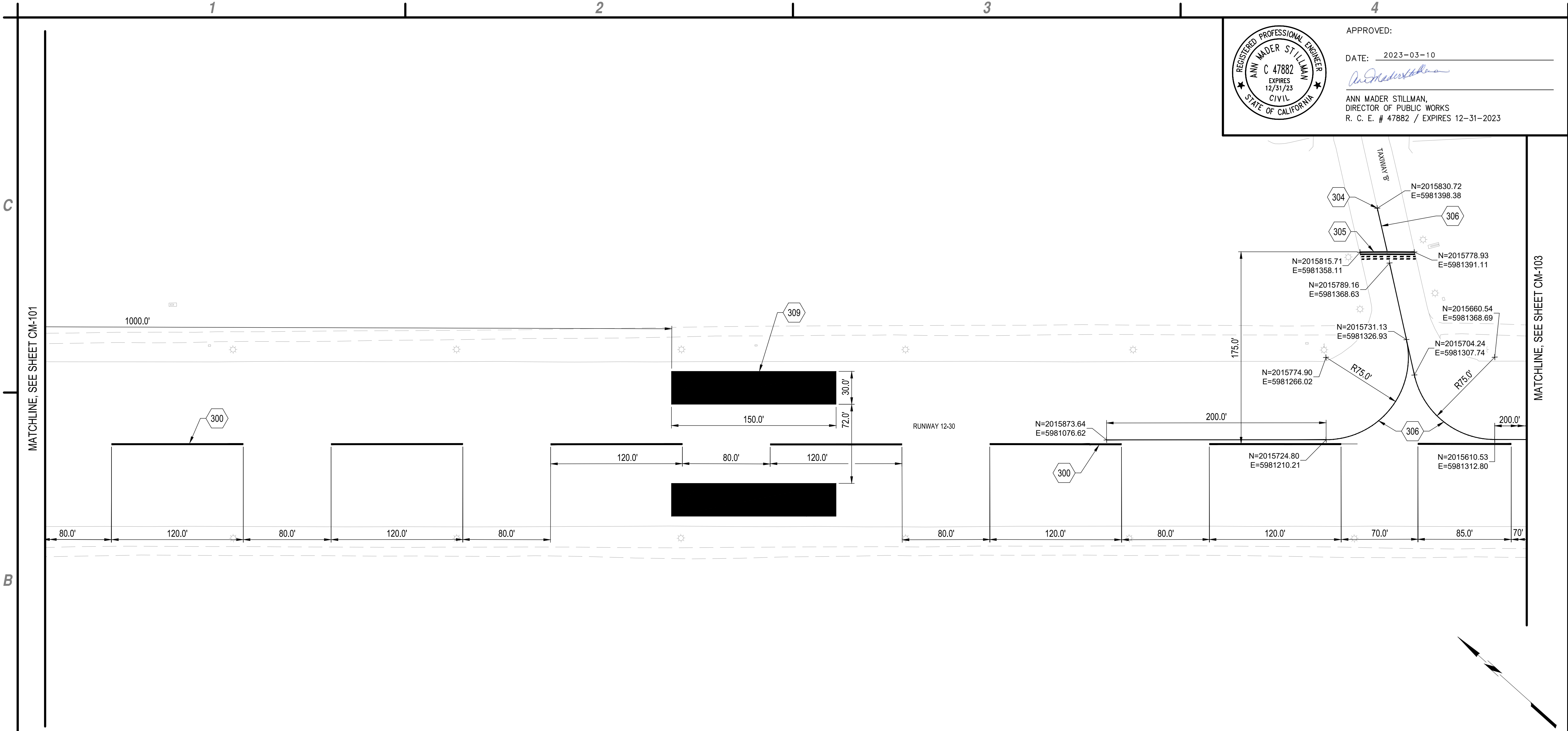
- NOTES:
- CRACK SEAL EXISTING ASPHALT PAVEMENT PRIOR TO SURFACE TREATMENT.
 - THE CONTRACTOR SHALL SUBMIT A MIX DESIGN FOR THE PROPOSED SEAL COAT WITH SAMPLES OF MATERIALS TO BE USED 14 DAYS PRIOR TO THE START OF CONSTRUCTION.

A2 SEAL COAT DETAIL, ITEM P-608R
NOT TO SCALE

A3 NOT USED
SCALE: NOT TO SCALE



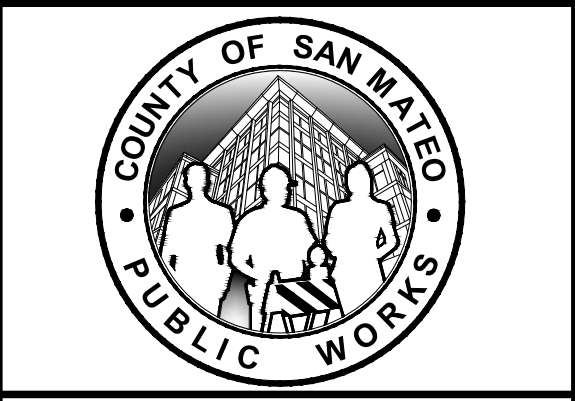
APPROVED:
DATE: 2023-03-07
Michael C. Dunne-Vecchio
MICHAEL C. DUNNE-VECCHIO,
C&S ENGINEERS INC.
R. C. E. # 092883 / EXPIRES 12-31-2023



APPROVED:
DATE: 2023-03-10

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R. C. E. # 47882 / EXPIRES 12-31-2023

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COUNTY OF SAN MATEO

HALF MOON BAY AIRPORT

RUNWAY PAVEMENT PRESERVATION

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: E5076		
DATE: MARCH 2023		
DRAWN BY: STB		
DESIGNED BY: C/JG		
CHECKED BY: RDG		

MARKING PLAN

CM-102

16 of 19

B1

MARKING PLAN

SCALE: 1" = 50'

- A1
- KEYED NOTES
- NOT TO SCALE
- 300

PAINT 1.5' WIDE WHITE RUNWAY CENTERLINE MARKING (TYP.), PER DETAIL A2/CM-501, ITEM P-620.
- 304

MEET EXISTING TAXIWAY CENTERLINE MARKING.
- 305

PAINT THERMOPLASTIC YELLOW RUNWAY HOLDING POSITION MARKINGS, PER DETAIL B2/CM-501, ITEM P-620.
- 306

PAINT YELLOW TAXIWAY CENTERLINE LEAD-IN LINE MARKING, PER DETAIL A1/CM-501, ITEM P-620.
- 309

PAINT WHITE RUNWAY AIMING POINT MARKINGS, PER DETAIL C1/CM501, ITEM P-620

A2

LEGEND

NOT TO SCALE

NEW PAVEMENT MARKING (TYP)

- A3
- GENERAL NOTES
- NOT TO SCALE
1.

TEMPORARY STRIPING SHALL BE APPLIED AT HALF RATE, WITHOUT GLASS BEADS ONE DAY AFTER SEAL COAT AND PRIOR TO OPENING OF RUNWAY TO AIRCRAFT.
2.

FINAL MARKINGS SHALL BE APPLIED AT FULL RATE, WITH GLASS BEADS AFTER 30 CALENDAR DAYS OF CURE TIME.
3.

NORTHING AND EASTING CALLOUTS ARE TAKEN FROM THE CENTER OF THE STRIPING.

A4

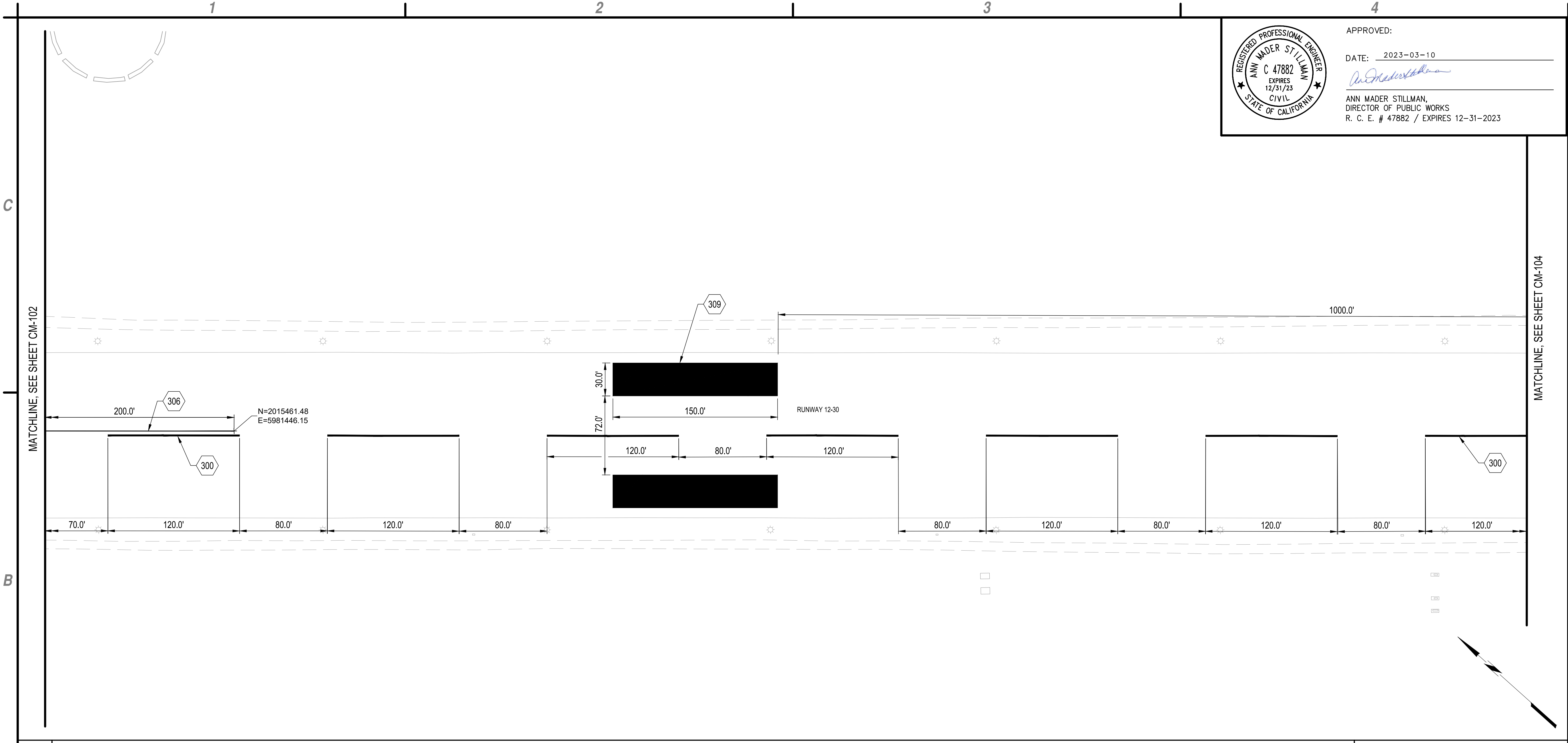
KEY MAP


NOT TO SCALE

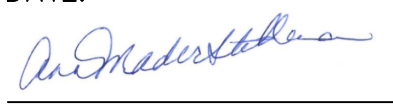
APPROVED:
DATE: 2023-03-07

MICHAEL C. DUNNE-VECCHIO,
C&S ENGINEERS INC.
R. C. E. # 092883 / EXPIRES 12-31-2023

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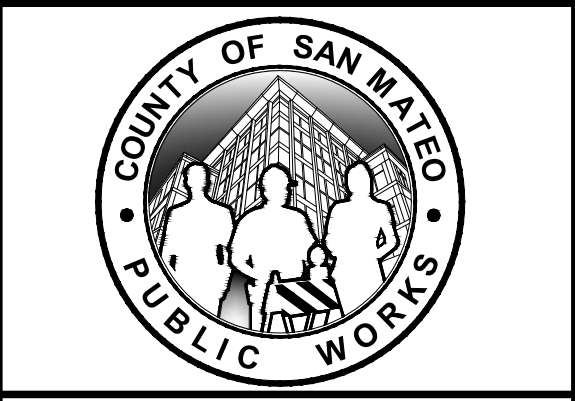




APPROVED:
DATE: 2023-03-10

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023



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Sacramento, California 95826
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COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: E5076		
DATE: MARCH 2023		
DRAWN BY: STB		
DESIGNED BY: C/JG		
CHECKED BY: RDG		

MARKING PLAN

CM-103

17 of 19

B1 MARKING PLAN
SCALE: 1" = 60'

- A1 KEYED NOTES
- 300 PAINT 1.5' WIDE WHITE RUNWAY CENTERLINE MARKING (TYP.), PER DETAIL A2/CM-501, ITEM P-620.
 - 306 PAINT YELLOW TAXIWAY CENTERLINE LEAD-IN LINE MARKING, PER DETAIL A1/CM-501, ITEM P-620.
 - 309 PAINT WHITE RUNWAY AIMING POINT MARKINGS, PER DETAIL C1/CM501, ITEM P-620

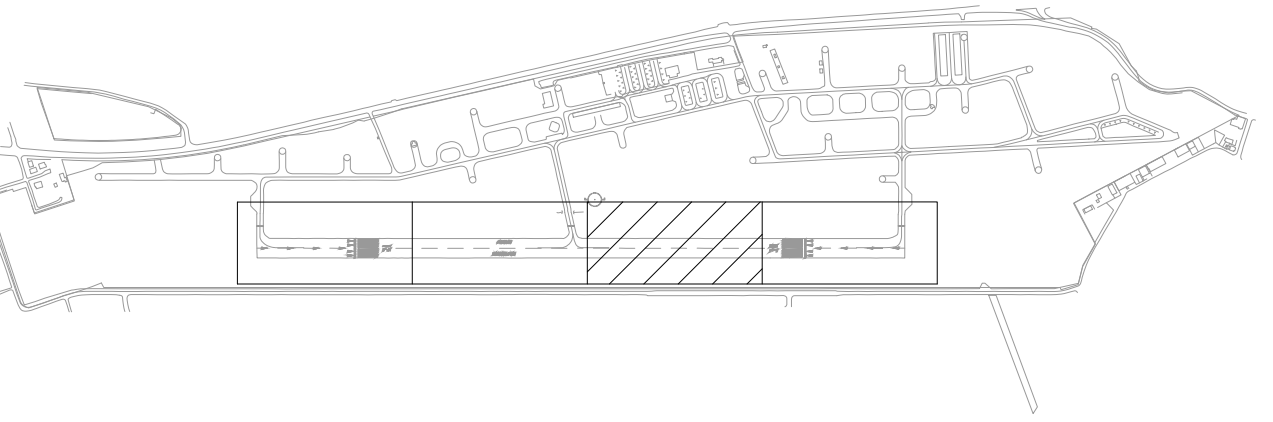
A2 LEGEND


NEW PAVEMENT MARKING (TYP)

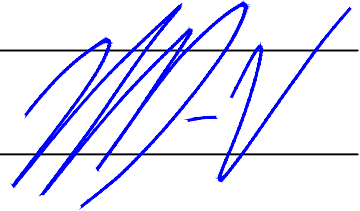
- A3 GENERAL NOTES
- TEMPORARY STRIPING SHALL BE APPLIED AT HALF RATE, WITHOUT GLASS BEADS ONE DAY AFTER SEAL COAT AND PRIOR TO OPENING OF RUNWAY TO AIRCRAFT.
 - FINAL MARKINGS SHALL BE APPLIED AT FULL RATE, WITH GLASS BEADS AFTER 30 CALENDAR DAYS OF CURE TIME.
 - NORTHING AND EASTING CALLOUTS ARE TAKEN FROM THE CENTER OF THE STRIPING.

A4 KEY MAP

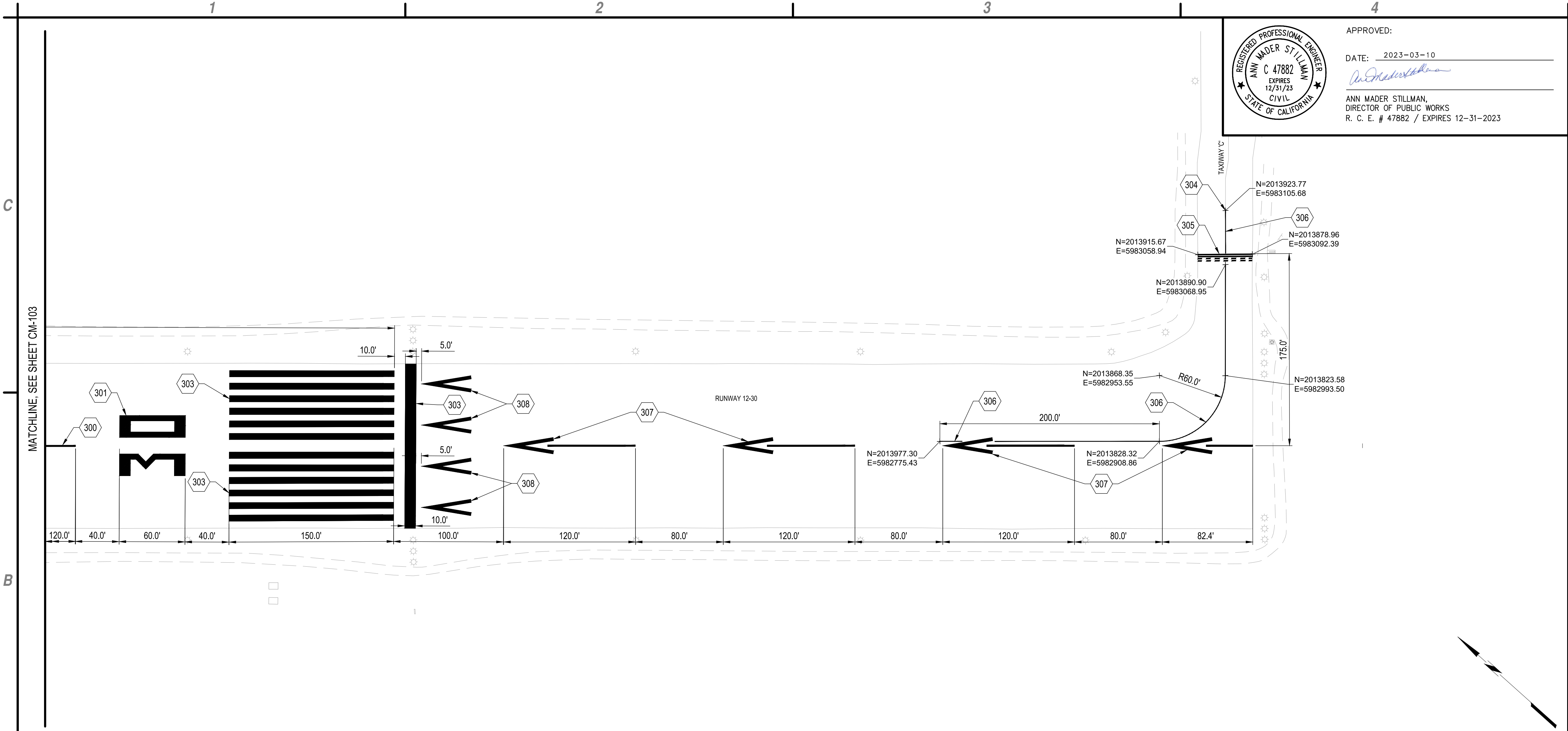
NOT TO SCALE





APPROVED:
DATE: 2023-03-07

MICHAEL C. DUNNE-VECCHIO,
C&S ENGINEERS INC.
R. C. E. # 092883 / EXPIRES 12-31-2023

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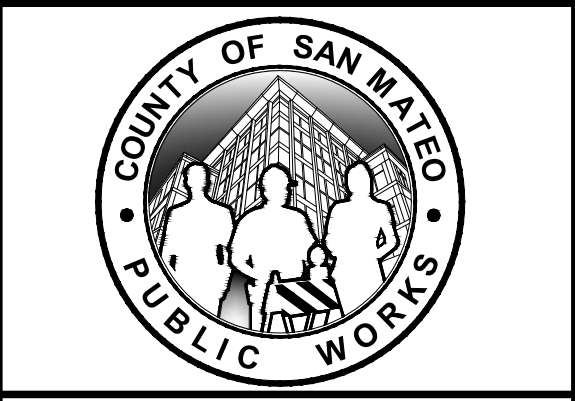
REGISTERED PROFESSIONAL ENGINEER
ANN MADER STILLMAN
C 47882
EXPIRES 12/31/23
CIVIL
STATE OF CALIFORNIA

APPROVED:
DATE: 2023-03-10

ANN MADER STILLMAN,
DIRECTOR OF PUBLIC WORKS
R. C. E. # 47882 / EXPIRES 12-31-2023

C&S
COMPANIES

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Sacramento, California 95826
Phone: 916-364-1470
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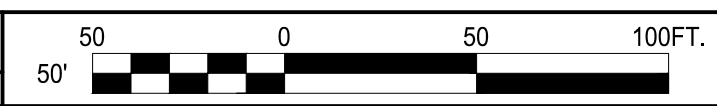


COUNTY OF SAN MATEO
HALF MOON BAY AIRPORT
RUNWAY PAVEMENT PRESERVATION

MARK	DATE	DESCRIPTION
REVISIONS		
PROJECT NO: E5076		
DATE: MARCH 2023		
DRAWN BY: STB		
DESIGNED BY: C/JG		
CHECKED BY: RDG		

MARKING PLAN

B1
MARKING PLAN
SCALE: 1" = 50'



- A1
KEYED NOTES
- 300 PAINT 1.5' WIDE WHITE RUNWAY CENTERLINE MARKING (TYP.), PER DETAIL A2/CM-501, ITEM P-620.

301 PAINT WHITE RUNWAY DESIGNATOR 30, PER DETAIL B1/CM-501, ITEM P-620.

303 PAINT WHITE RUNWAY THRESHOLD MARKINGS (TYP.), PER DETAIL B3/CM-501, ITEM P-620.

304 MEET EXISTING TAXIWAY CENTERLINE MARKING.

305 PAINT THERMOPLASTIC YELLOW RUNWAY HOLDING POSITION MARKINGS, PER DETAIL B2/CM-501, ITEM P-620.

306 PAINT YELLOW TAXIWAY CENTERLINE LEAD-IN LINE MARKING, PER DETAIL A1/CM-501, ITEM P-620.

307 PAINT WHITE RUNWAY ARROW MARKINGS, PER DETAIL C3/CM-501, ITEM P-620.

308 PAINT WHITE RUNWAY ARROWHEAD MARKINGS, PER DETAIL A3/CM-501, ITEM P-620.

A2
LEGEND

NEW PAVEMENT MARKING (TYP)

- A3
GENERAL NOTES
1. TEMPORARY STRIPING SHALL BE APPLIED AT HALF RATE, WITHOUT GLASS BEADS ONE DAY AFTER SEAL COAT AND PRIOR TO OPENING OF RUNWAY TO AIRCRAFT.

2. FINAL MARKINGS SHALL BE APPLIED AT FULL RATE, WITH GLASS BEADS AFTER 30 CALENDAR DAYS OF CURE TIME.

3. NORTHING AND EASTING CALLOUTS ARE TAKEN FROM THE CENTER OF THE STRIPING.

A4
KEY MAP
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
MICHAEL C. DUNNE-VECCHIO
No. C 092883
Exp. 12/31/2023
CIVIL
STATE OF CALIFORNIA

APPROVED:
DATE: 2023-03-07

MICHAEL C. DUNNE-VECCHIO,
C&S ENGINEERS INC.
R. C. E. # 092883 / EXPIRES 12-31-2023

