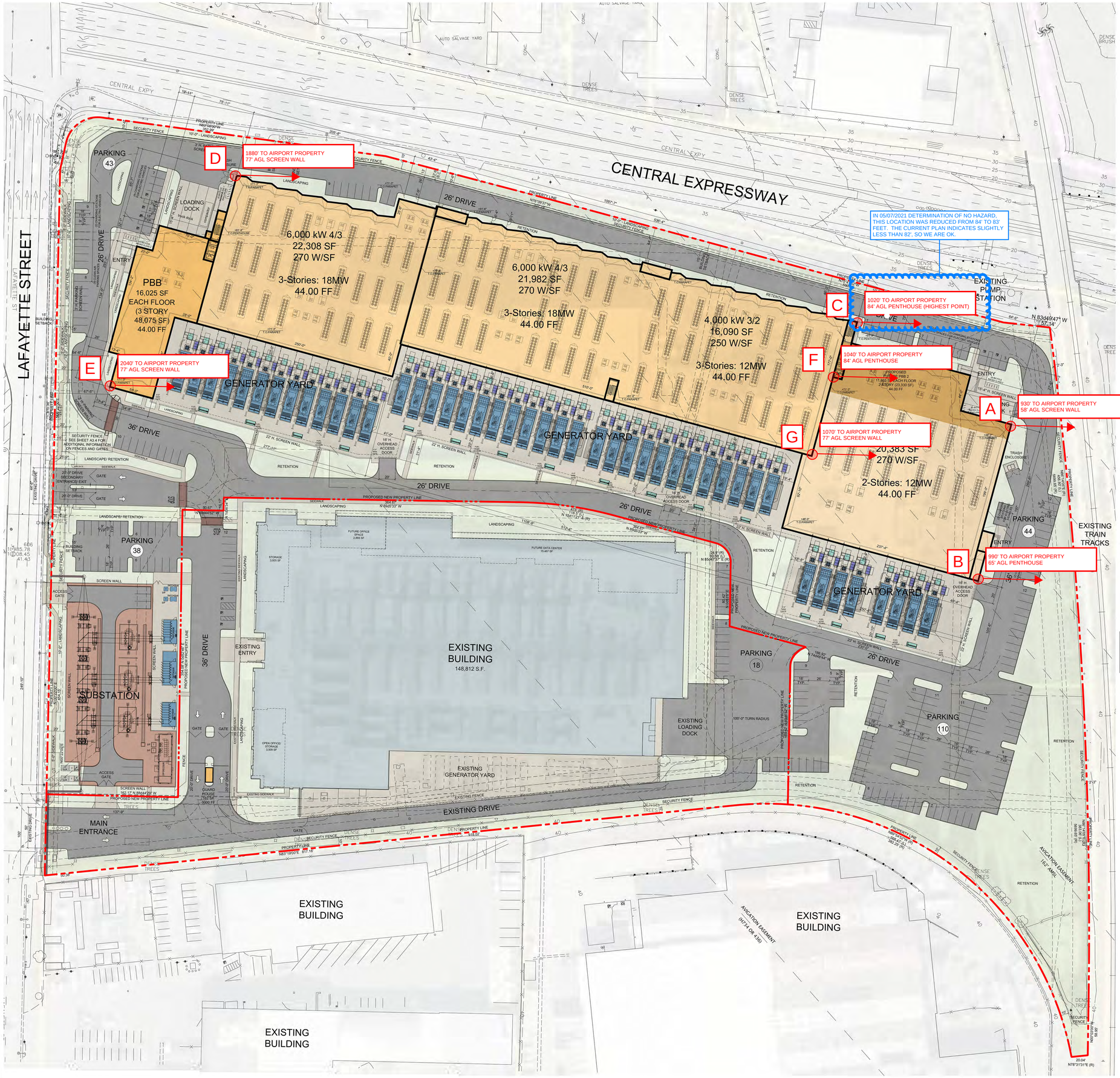
DOCKETED	
Docket Number:	20-SPPE-02
Project Title:	Lafayette Backup Generating Facility
TN #:	238277
Document Title:	LBGF Updated FAA No Hazard Determinations
Description:	N/A
Filer:	Scott Galati
Organization:	DayZenLLC
Submitter Role:	Applicant Representative
Submission Date:	6/18/2021 10:32:34 AM
Docketed Date:	6/18/2021



SITE INFORMATION:

PROJECT NAME:	2825 LAFAYETTE STREET
PROJECT DESCRIPTION:	NEW DATA CENTER
PROJECT CONTACT:	CHAD MENDELL ENVIRONMENTAL SYSTEMS DESIGN, INC. 233 SOUTH WACKER DRIVE, SUITE 5300 CHICAGO, ILLINOIS 60606 312-372-1200
OWNER:	DIGITAL LAFAYETTE, LLC 2825 LAFAYETTE STREET SANTA CLARA, CA 95050-2627
PARCEL NUMBER:	NORTH PARCEL: 224-04-093 SOUTH PARCEL: 224-04-094
LOT NUMBER:	NORTH PARCEL: LOT 2 SOUTH PARCEL: LOT 1
TRACT NUMBER:	NORTH PARCEL: 93 SOUTH PARCEL: 94
LEGAL:	BOUNDED BY CENTRAL EXPRESSWAY TO THE NORTH, LAFAYETTE STREET TO THE WEST, 2825 LAFAYETTE STREET (SITE) AND RAILROAD TRACKS TO THE EAST, AND 2805 LAFAYETTE STREET (DLR) TO THE SOUTH COUNTY OF SANTA CLARA: 1.78M POPULATION (2010 CENSUS) TAX ASSESSOR'S PARCEL NUMBER (APN): 224-04-093
ZONING:	MH - HEAVY INDUSTRIAL PROCESSING AND STORAGE USES PERMITTED (MH - ZONING ORD 18.50.030) COMMERCIAL STORAGE AND WHOLESALE DISTRIBUTION
FEMA:	NORTH PARCEL: FLOOD ZONE X SOUTH PARCEL: FLOOD ZONE AH
BUILDING SETBACKS:	FRONT YARD 15'-0" EACH LOT SHALL HAVE A STREET SIDE FRONT YARD OF NOT LESS THAN FIFTEEN (15) FEET IN DEPTH SIDE YARD 15'-0" THE STREET SIDE YARD OF EACH CORNER LOT EXCLUSIVE OF THE FRONT YARD SHALL BE NOT LESS THAN FIFTEEN (15) FEET IN DEPTH REAR YARD 0'-0" SETBACK ADJACENT TO NON-RESIDENTIAL 0' REAR YARD
LANDSCAPE SETBACKS:	FRONT, SIDE YARDS 10'-0" A MINIMUM OF TEN FEET OF THE REQUIRED FRONT AND STREET SIDE YARDS, EXCLUSIVE OF CITY-PERMITTED DRIVEWAY CUTS, SHALL BE DEVELOPED INTO AND PERMANENTLY MAINTAINED AS OPEN LANDSCAPED AREAS SUBJECT TO THE APPROVAL OF THE DIRECTOR OF PLANNING AND INSPECTION.
HEIGHT:	70 FT MAX HEIGHT (ZONING ORD. 18.50.070) MECH AND PARAPETS CAN BE PLACED ABOVE THIS (ZONING ORD. 18.64.010). VARIABLE MAX. HEIGHT BASED ON FAA REGULATIONS.
SITE AREA:	NORTH PARCEL: 691,526.384 S.F. SOUTH PARCEL: 299,683.550 S.F. TOTAL: 991,209.934 S.F. (22.755 ACRES)
TYPE OF USE:	OFFICE/ DATA CENTER
OCCUPANCY GROUP:	BUSINESS GROUP B (CHAPTER 3, SECTION 304)
TYPE OF BUILDING CONSTRUCTION:	TYPE 2B (FULLY SPRINKLERED) (CHAPTER 6, TABLE 601)
BUILDING AREA:	EXISTING BUILDING - 2805: DATA CENTER: 148,812 S.F. NEW BUILDING - 2825: DATA CENTER: 575,401 S.F. TOTAL: 724,213 S.F.
GENERATOR YARD:	108,631 S.F.
% LOT COVERAGE:	30 % (209,869/ 691,526.384 = 0.3034)
FLOOR-TO-AREA RATIO (FAR) PROPOSED NEW BUILDING	0.90
PARKING REQUIRED:	DATA CENTER (EXISTING) 38 SPACES (1 SPACE PER 4,000 S.F.) (148,812 S.F./ 4000 = 38 SPACES) DATA CENTER (NEW) 144 SPACES (1 SPACE PER 4,000 S.F.) (575,401 S.F./ 4000 = 144 SPACES) TOTAL PARKING REQUIRED: 182 SPACES DATA CENTER (NEW): (144 + 38 = 182 SPACES)

PARKING PROVIDED FOR BUILDING 2805:	76 SPACES
PARKING PROVIDED FOR BUILDING 2825:	177 SPACES
TOTAL PARKING PROVIDED:	253 SPACES

* NOTE: THERE ARE **0** COMPACT PARKING STALLS ON THIS SITE.

BICYCLE RACKS REQUIRED:
DATA CENTER (NEW): (CLASS 1 - 5% OF 182 PARKING STALLS) = 10 RACKS
(CLASS 2 - 5% OF 182 PARKING STALLS) = 10 RACKS

BICYCLE RACKS PROVIDED:
DATA CENTER (NEW): CLASS 1 = 10 RACKS
CLASS 2 = 10 RACKS

CHARGING STATION PARKING SPACES REQUIRED:
DATA CENTER (NEW): (6% OF 182 PARKING STALLS) = 11 SPACES

CHARGING STATION PARKING SPACES PROVIDED:
DATA CENTER (NEW): 11 SPACES

CLEAN AIR PARKING SPACES REQUIRED:
DATA CENTER (NEW): (8% OF 182 PARKING STALLS) = 15 SPACES

CLEAN AIR PARKING SPACES PROVIDED:
DATA CENTER (NEW): 15 SPACES

GENERAL NOTES:

1. ALL GATES INSTALLED ON DESIGNATED FIRE DEPARTMENT ACCESS ROADS ARE REQUIRED TO ELECTRICALLY AUTOMATIC POWERED GATES. GATES SHALL BE PROVIDED WITH AN EMERGENCY BATTERY POWER SUPPLY, OR SHALL BE A FAIL-SAFE DESIGN, ALLOWING THE GATE TO BE PUSHED OPEN WITHOUT THE USE OF SPECIAL KNOWLEDGE OR EQUIPMENT. TO CONTROL THE AUTOMATIC GATES A DETECTOR/STROBE SWITCH SHALL BE INSTALLED TO ALLOW EMERGENCY VEHICLES (E.G., FIRE, POLICE, EMS) TO FLASH A VEHICLE MOUNTED STROBE LIGHT TOWARDS THE DETECTOR/STROBE SWITCH, WHICH IN TURN OVERRIDES THE SYSTEM AND OPENS THE GATE. THE GATES SHALL BE EQUIPPED WITH A TOMAR STROBE SWITCH OR 3M OPTICOM DETECTOR TO FACILITATE THIS OVERRIDE.

VICINITY MAP

N.T.S.

NORTH

LEGEND:

LOCATION OF OVERHEAD POWER LINES AND POLES

PROPOSED NEW SITE PLAN

80' 40' 20' 0'
1"=40'-0"

NORTH

DIGITAL REALTY
Data Center Solutions

2825 LAFAYETTE STREET
SANTA CLARA, CA
95050-2627

MEP ENGINEER

ESD

Environmental Systems Design, Inc.

233 South Wacker Drive, Suite 5300
Chicago, Illinois 60606
312.372.1200
www.esdglobal.com
DPR License No. 184-000892 IL

ARCHITECT

HKS

STRUCTURAL ENGINEER

PEOPLES ASSOCIATES
STRUCTURAL ENGINEERS

CIVIL ENGINEER

Kimley»Horn

NO.	RECORD	DATE
2	PCC ISSUANCE	06.19.20
1	PCC ISSUANCE	10.28.19

MASTER PLAN

PROPOSED NEW SITE PLAN

PRINCIPAL IN CHARGE MC	PROJECT NUMBER C190280
PROJECT MANAGER CM	DATE 06/19/2020
PROJECT ENGINEER	SHEET NUMBER **A1.1**
SCALE AS NOTED	

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2020-AWP-12505-OE

Issued Date: 05/07/2021

Digital Realty
Rafal Rak
9355 Grand Avenue
Franklin Park, IL 60131

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building 2825 Lafayette A
Location:	Santa Clara, CA
Latitude:	37-22-22.84N NAD 83
Longitude:	121-56-45.50W
Heights:	41 feet site elevation (SE)
	58 feet above ground level (AGL)
	99 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.
Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

This determination expires on 11/07/2022 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.

(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (206) 231-2989, or dan.shoemaker@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-AWP-12505-OE.

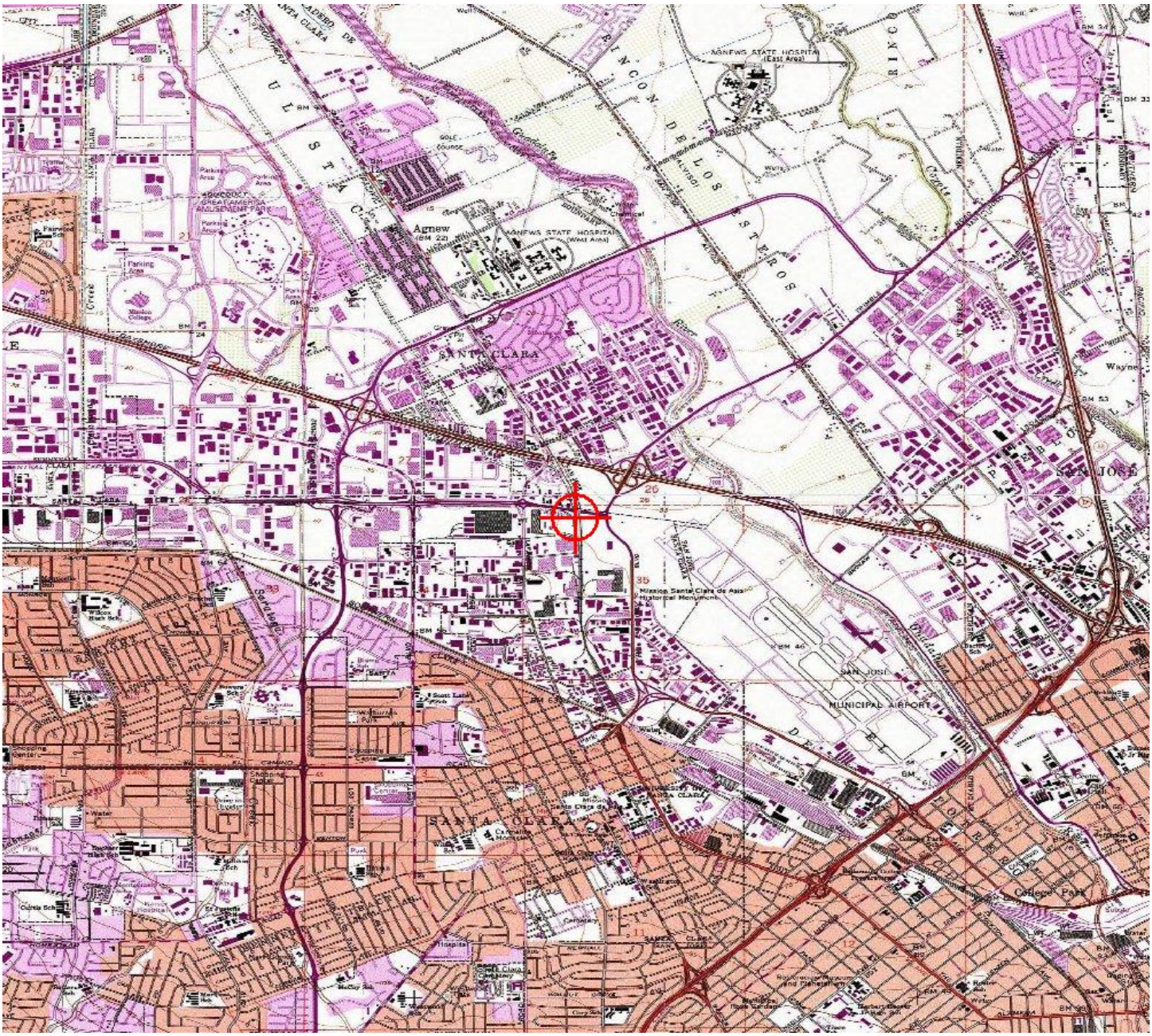
Signature Control No: 455757144-480154406 (DNE)
Daniel Shoemaker
Specialist

Attachment(s)
Additional Information
Map(s)

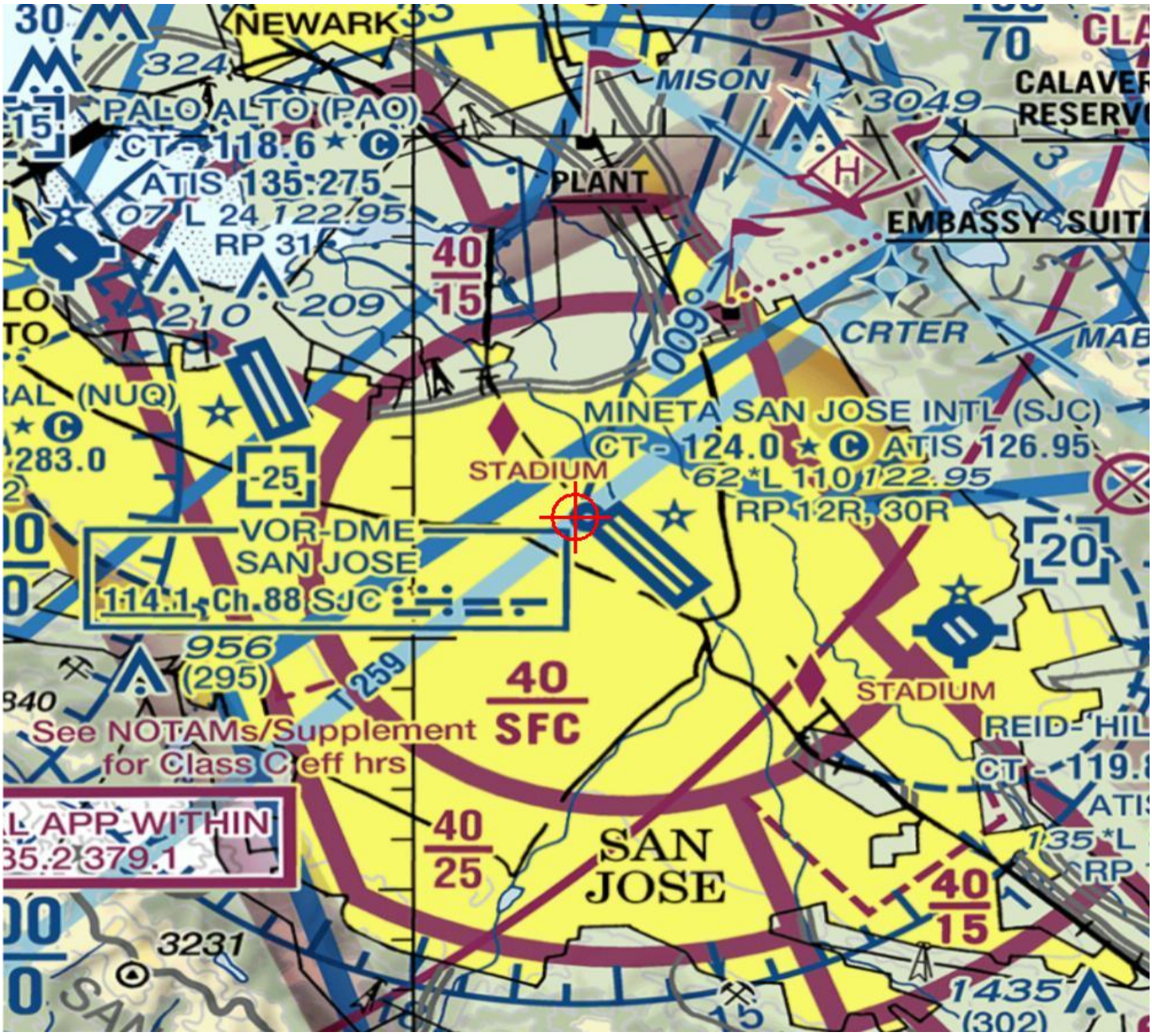
Additional information for ASN 2020-AWP-12505-OE

This building will be located in very close proximity to the threshold of the Norman Y. Mineta San Jose International Airport (SJC) Runway (RWY) 12R. Occupants and people outside the building will be exposed to frequent loud jet aircraft noise and the sight of large commercial aircraft operating at very low altitudes near the building.

TOPO Map for ASN 2020-AWP-12505-OE



Sectional Map for ASN 2020-AWP-12505-OE



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2020-AWP-12506-OE

Issued Date: 05/07/2021

Digital Realty
Rafal Rak
9355 Grand Avenue
Franklin Park, IL 60131

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building 2825 Lafayette B
Location:	Santa Clara, CA
Latitude:	37-22-20.89N NAD 83
Longitude:	121-56-45.99W
Heights:	41 feet site elevation (SE)
	65 feet above ground level (AGL)
	106 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.
Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

This determination expires on 11/07/2022 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.

(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (206) 231-2989, or dan.shoemaker@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-AWP-12506-OE.

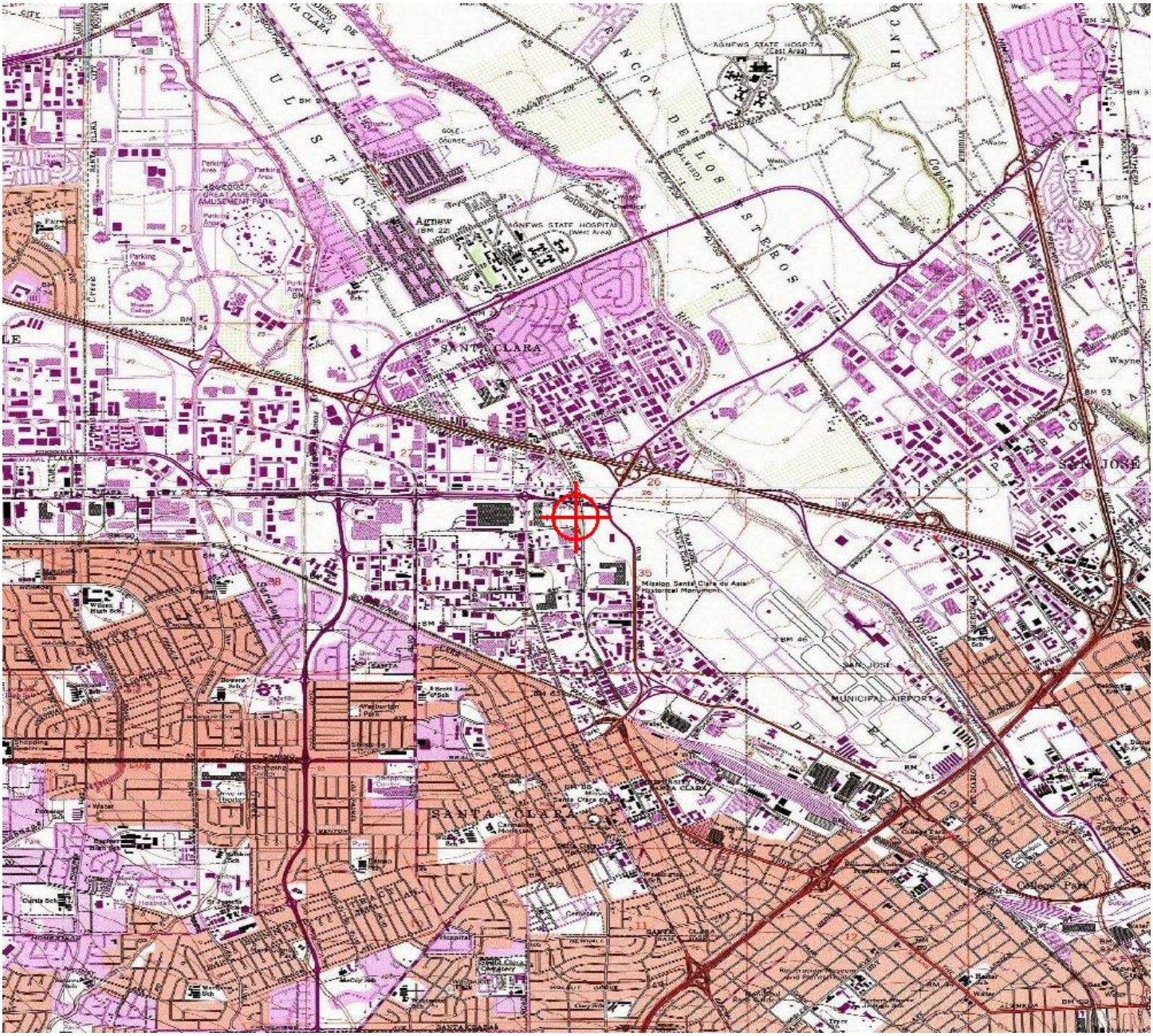
Signature Control No: 455757145-480154409 (DNE)
Daniel Shoemaker
Specialist

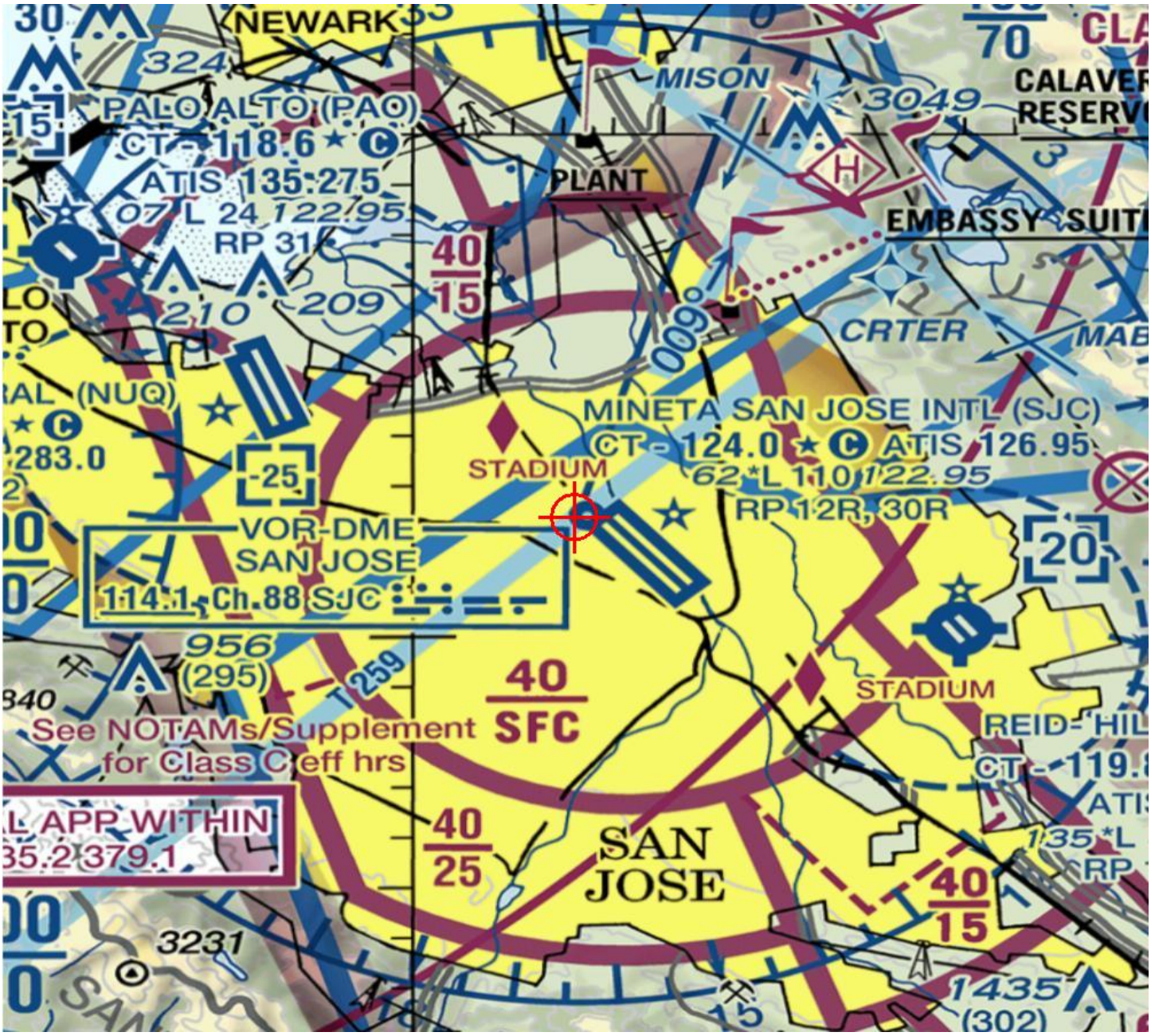
Attachment(s)
Additional Information
Map(s)

Additional information for ASN 2020-AWP-12506-OE

This building will be located in very close proximity to the threshold of the Norman Y. Mineta San Jose International Airport (SJC) Runway (RWY) 12R. Occupants and people outside the building will be exposed to frequent loud jet aircraft noise and the sight of large commercial aircraft operating at very low altitudes near the building.

TOPO Map for ASN 2020-AWP-12506-OE




NEWARK
PALO ALTO (PAO)
CT 118.6
ATIS 135.275
07L 24 122.95
RP 31
PLANT
MISON
3049
EMBASSY SUITE
CRTER
MINETA SAN JOSE INTL (SJC)
CT 124.0
ATIS 126.95
62 L 110 122.95
RP 12R, 30R
STADIUM
VOR-DME
SAN JOSE
114.1 Ch 88 SJC
See NOTAMs/Supplement
for Class C eff hrs
SAN
JOSE
40
SFC
40
25
40
15
956
(295)
3231
1435
(302)
REID-HIL
CT 119.8
ATIS
135 *L
RP
APP WITHIN
35.2 379.1
T259
NUQ
283.0

Mail Processing Center
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Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2020-AWP-12507-OE

Issued Date: 05/07/2021

Digital Realty
Rafal Rak
9355 Grand Avenue
Franklin Park, IL 60131

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building 2825 Lafayette C
Location:	Santa Clara, CA
Latitude:	37-22-24.05N NAD 83
Longitude:	121-56-47.87W
Heights:	41 feet site elevation (SE)
	83 feet above ground level (AGL)
	124 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.
Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

Any height exceeding 83 feet above ground level (124 feet above mean sea level), will result in a substantial adverse effect and would warrant a Determination of Hazard to Air Navigation.

This determination expires on 11/07/2022 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.
(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

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If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

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If we can be of further assistance, please contact our office at (206) 231-2989, or dan.shoemaker@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-AWP-12507-OE.

Signature Control No: 455757146-480154616 (DNE)
Daniel Shoemaker
Specialist

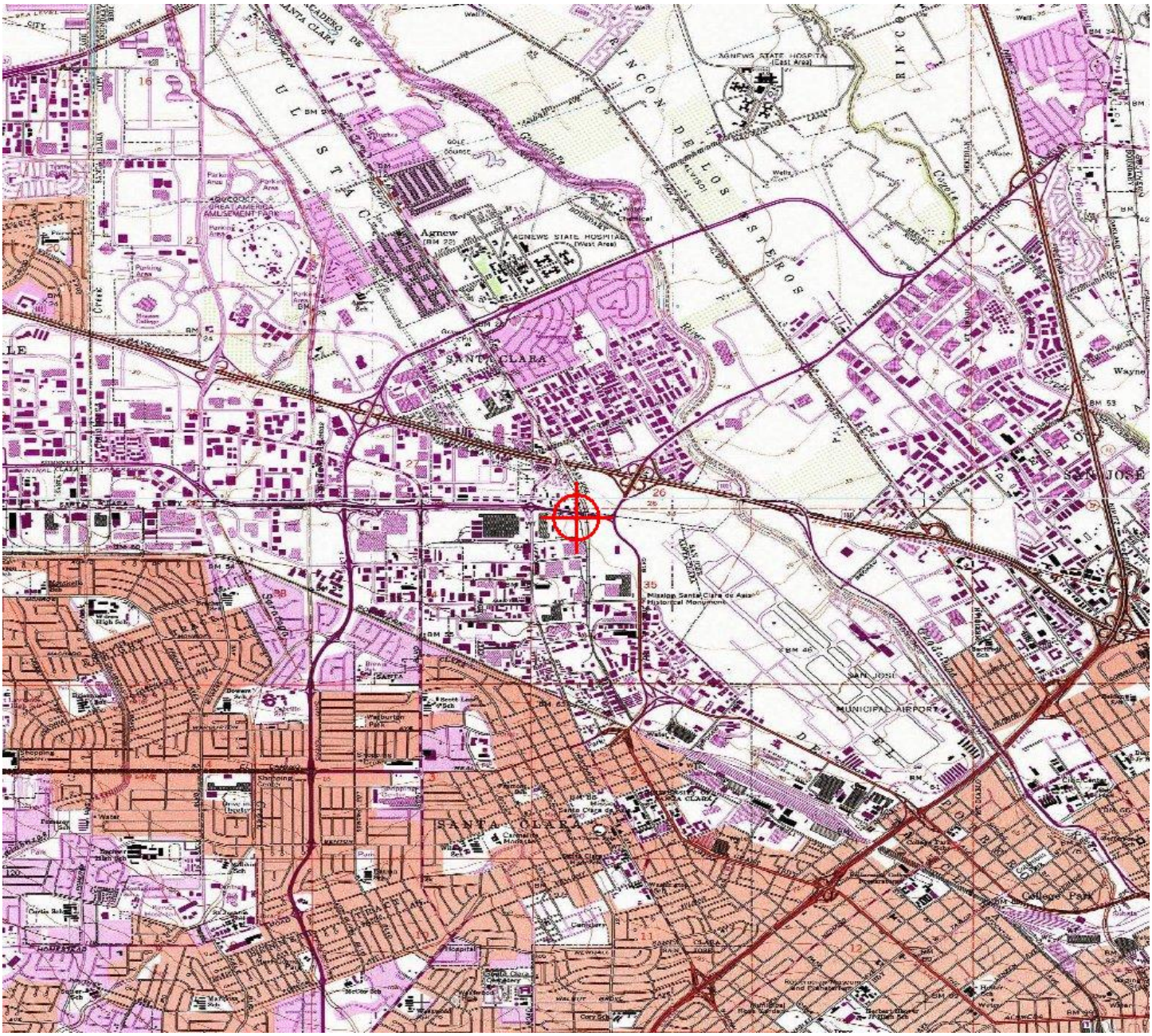
Attachment(s)
Additional Information
Map(s)

Additional information for ASN 2020-AWP-12507-OE

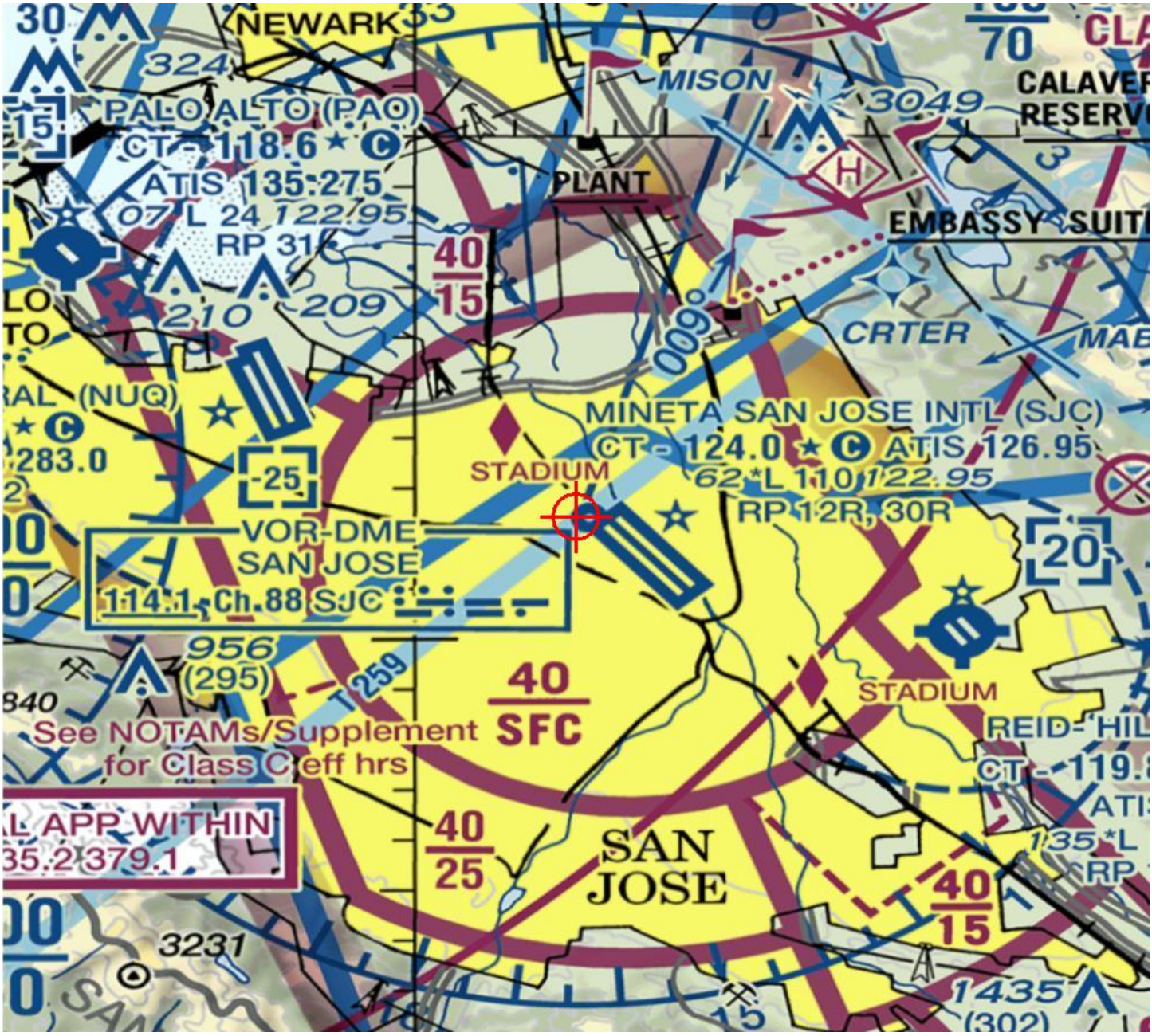
At the negotiated reduced height of 83 feet above ground level (AGL), 124 feet above mean sea level (AMSL), this corner of the building will be at the exact height of the Norman Y. Mineta San Jose International Airport (SJC) Runway (RWY) 12R/30L 14 CFR Part 77 transitional surface. At any height greater than 83 feet AGL/124 feet AMSL, this corner of the building would require circularization for public comment and red obstruction lighting.

This building will be located in very close proximity to the threshold of the SJC RWY 12R. Occupants and people outside the building will be exposed to frequent loud jet aircraft noise and the sight of large commercial aircraft operating at very low altitudes near the building.

TOPO Map for ASN 2020-AWP-12507-OE



Sectional Map for ASN 2020-AWP-12507-OE



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2020-AWP-12508-OE

Issued Date: 05/07/2021

Digital Realty
Rafal Rak
9355 Grand Avenue
Franklin Park, IL 60131

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building 2825 Lafayette D
Location:	Santa Clara, CA
Latitude:	37-22-25.73N NAD 83
Longitude:	121-56-57.39W
Heights:	41 feet site elevation (SE)
	77 feet above ground level (AGL)
	118 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

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_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.
Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

This determination expires on 11/07/2022 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
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NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

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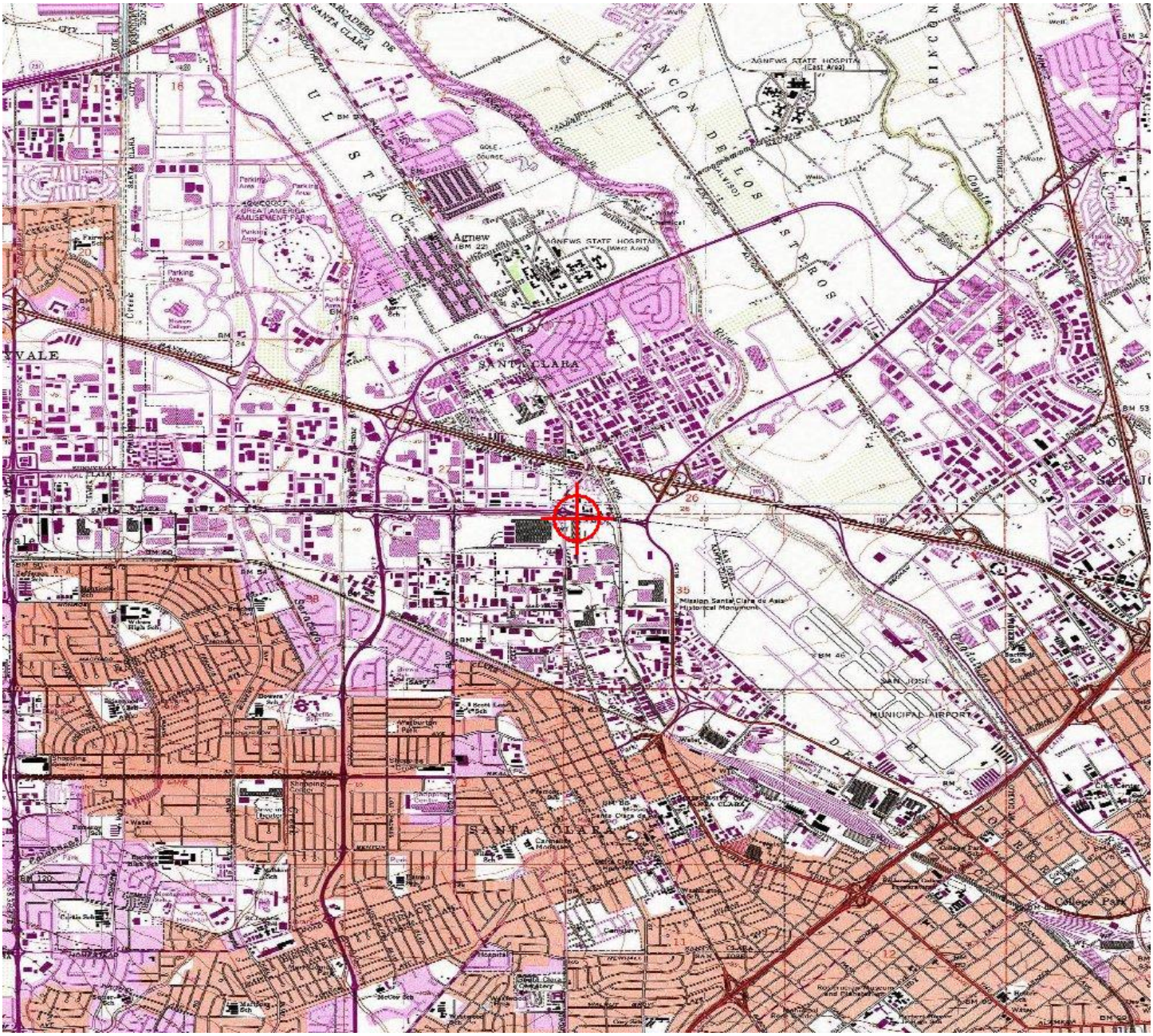
Signature Control No: 455757147-480154408 (DNE)
Daniel Shoemaker
Specialist

Attachment(s)
Additional Information
Map(s)

Additional information for ASN 2020-AWP-12508-OE

This building will be located in very close proximity to the threshold of the Norman Y. Mineta San Jose International Airport (SJC) Runway (RWY) 12R. Occupants and people outside the building will be exposed to frequent loud jet aircraft noise and the sight of large commercial aircraft operating at very low altitudes near the building.

TOPO Map for ASN 2020-AWP-12508-OE



Sectional Map for ASN 2020-AWP-12508-OE

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2020-AWP-12509-OE

Issued Date: 05/07/2021

Digital Realty
Rafal Rak
9355 Grand Avenue
Franklin Park, IL 60131

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building 2825 Lafayette E
Location:	Santa Clara, CA
Latitude:	37-22-23.12N NAD 83
Longitude:	121-56-59.45W
Heights:	41 feet site elevation (SE)
	77 feet above ground level (AGL)
	118 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.
Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

This determination expires on 11/07/2022 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.

(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (206) 231-2989, or dan.shoemaker@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-AWP-12509-OE.

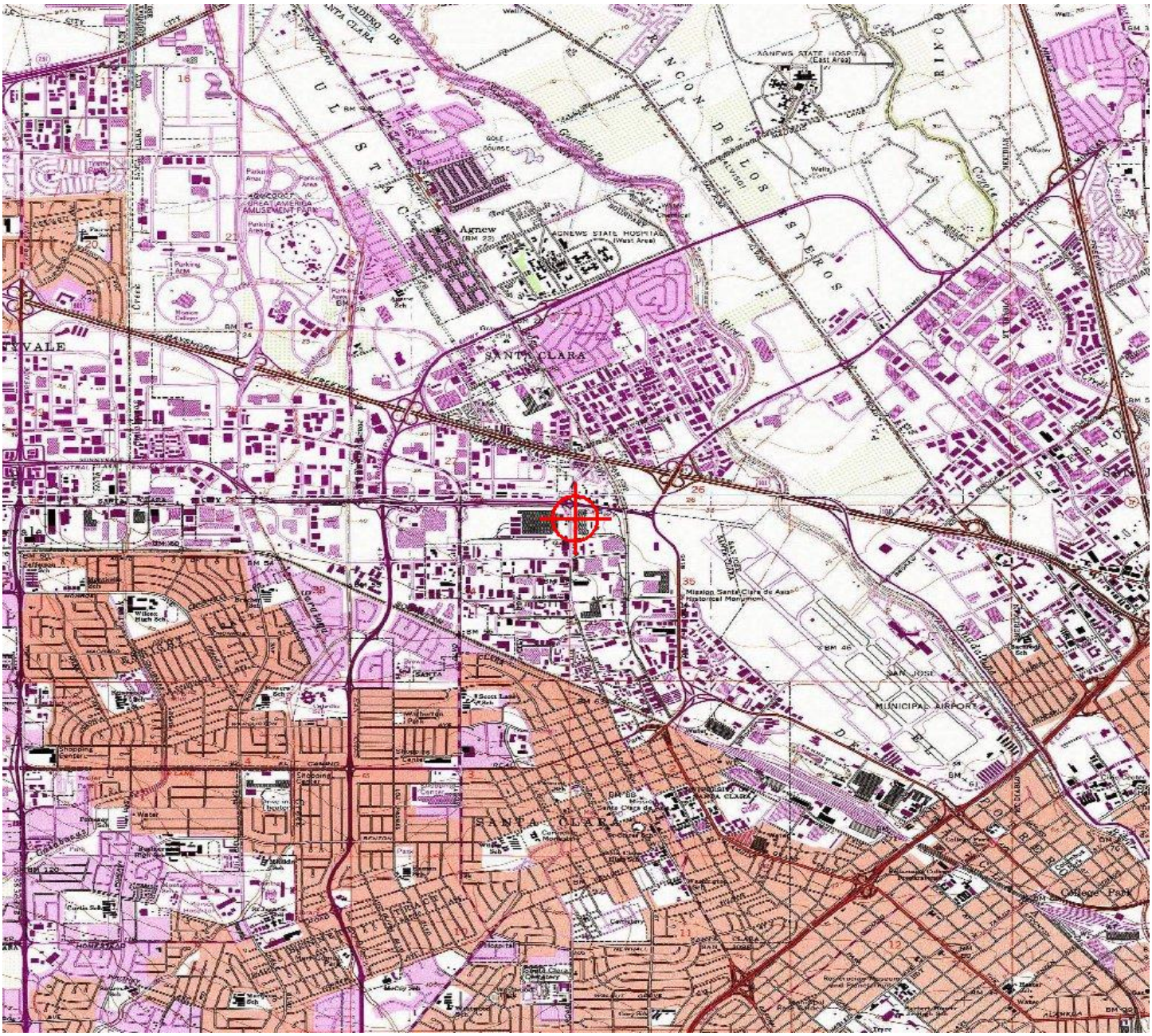
Signature Control No: 455757148-480154410 (DNE)
Daniel Shoemaker
Specialist

Attachment(s)
Additional Information
Map(s)

Additional information for ASN 2020-AWP-12509-OE

This building will be located in very close proximity to the threshold of the Norman Y. Mineta San Jose International Airport (SJC) Runway (RWY) 12R. Occupants and people outside the building will be exposed to frequent loud jet aircraft noise and the sight of large commercial aircraft operating at very low altitudes near the building.

TOPO Map for ASN 2020-AWP-12509-OE



Sectional Map for ASN 2020-AWP-12509-OE

Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2020-AWP-12510-OE

Issued Date: 05/07/2021

Digital Realty
Rafal Rak
9355 Grand Avenue
Franklin Park, IL 60131

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building 2825 Lafayette F
Location:	Santa Clara, CA
Latitude:	37-22-23.40N NAD 83
Longitude:	121-56-48.22W
Heights:	41 feet site elevation (SE)
	84 feet above ground level (AGL)
	125 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.
Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

This determination expires on 11/07/2022 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.

(c) the construction is subject to the licensing authority of the Federal Communications Commission (FCC) and an application for a construction permit has been filed, as required by the FCC, within 6 months of the date of this determination. In such case, the determination expires on the date prescribed by the FCC for completion of construction, or the date the FCC denies the application.

NOTE: REQUEST FOR EXTENSION OF THE EFFECTIVE PERIOD OF THIS DETERMINATION MUST BE E-FILED AT LEAST 15 DAYS PRIOR TO THE EXPIRATION DATE. AFTER RE-EVALUATION OF CURRENT OPERATIONS IN THE AREA OF THE STRUCTURE TO DETERMINE THAT NO SIGNIFICANT AERONAUTICAL CHANGES HAVE OCCURRED, YOUR DETERMINATION MAY BE ELIGIBLE FOR ONE EXTENSION OF THE EFFECTIVE PERIOD.

This determination is based, in part, on the foregoing description which includes specific coordinates, heights, frequency(ies) and power. Any changes in coordinates, heights, and frequencies or use of greater power, except those frequencies specified in the Colo Void Clause Coalition; Antenna System Co-Location; Voluntary Best Practices, effective 21 Nov 2007, will void this determination. Any future construction or alteration, including increase to heights, power, or the addition of other transmitters, requires separate notice to the FAA.This determination includes all previously filed frequencies and power for this structure.

If construction or alteration is dismantled or destroyed, you must submit notice to the FAA within 5 days after the construction or alteration is dismantled or destroyed.

This determination does include temporary construction equipment such as cranes, derricks, etc., which may be used during actual construction of the structure. However, this equipment shall not exceed the overall heights as indicated above. Equipment which has a height greater than the studied structure requires separate notice to the FAA.

This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (206) 231-2989, or dan.shoemaker@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-AWP-12510-OE.

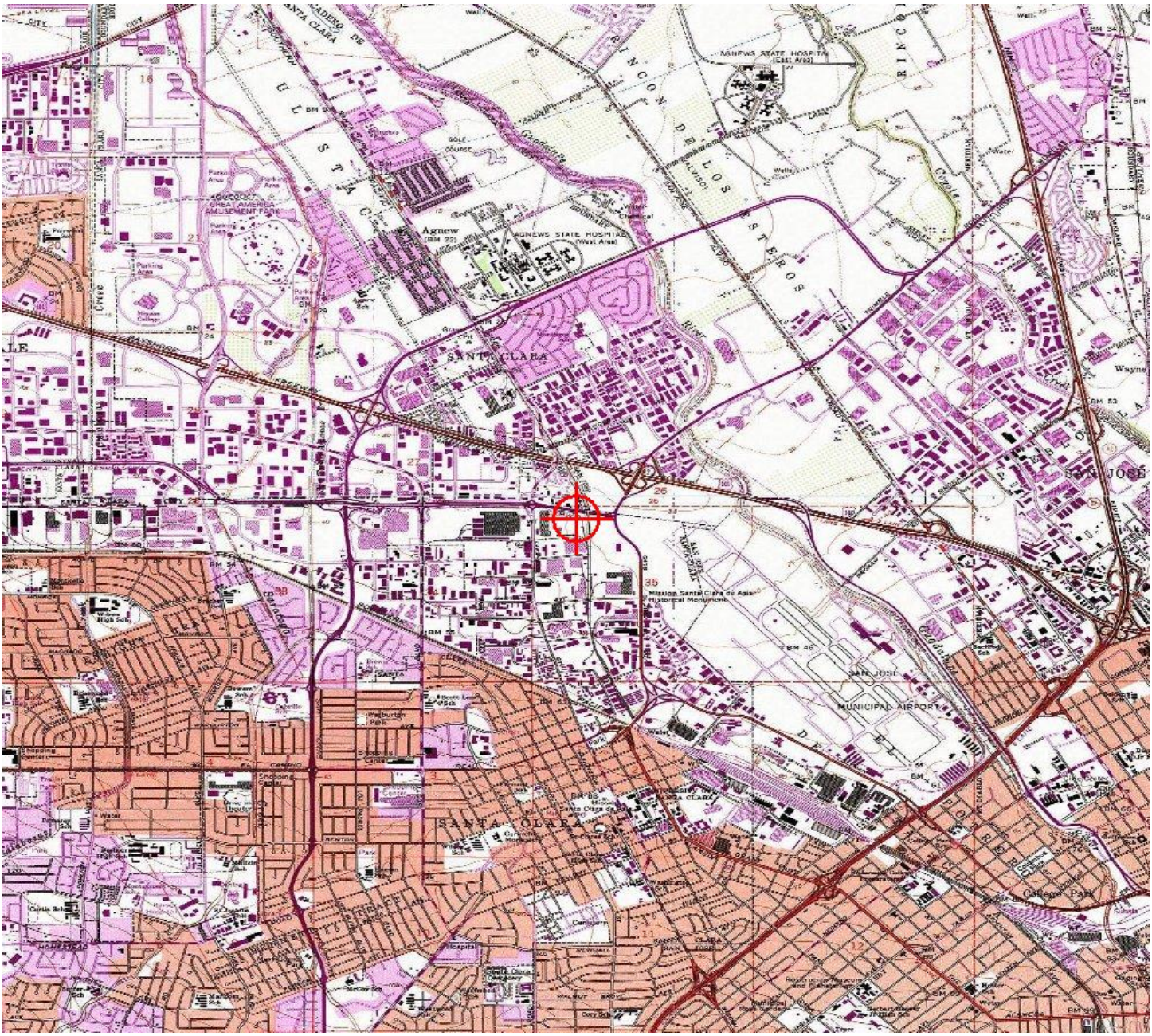
Signature Control No: 455757149-480154407 (DNE)
Daniel Shoemaker
Specialist

Attachment(s)
Additional Information
Map(s)

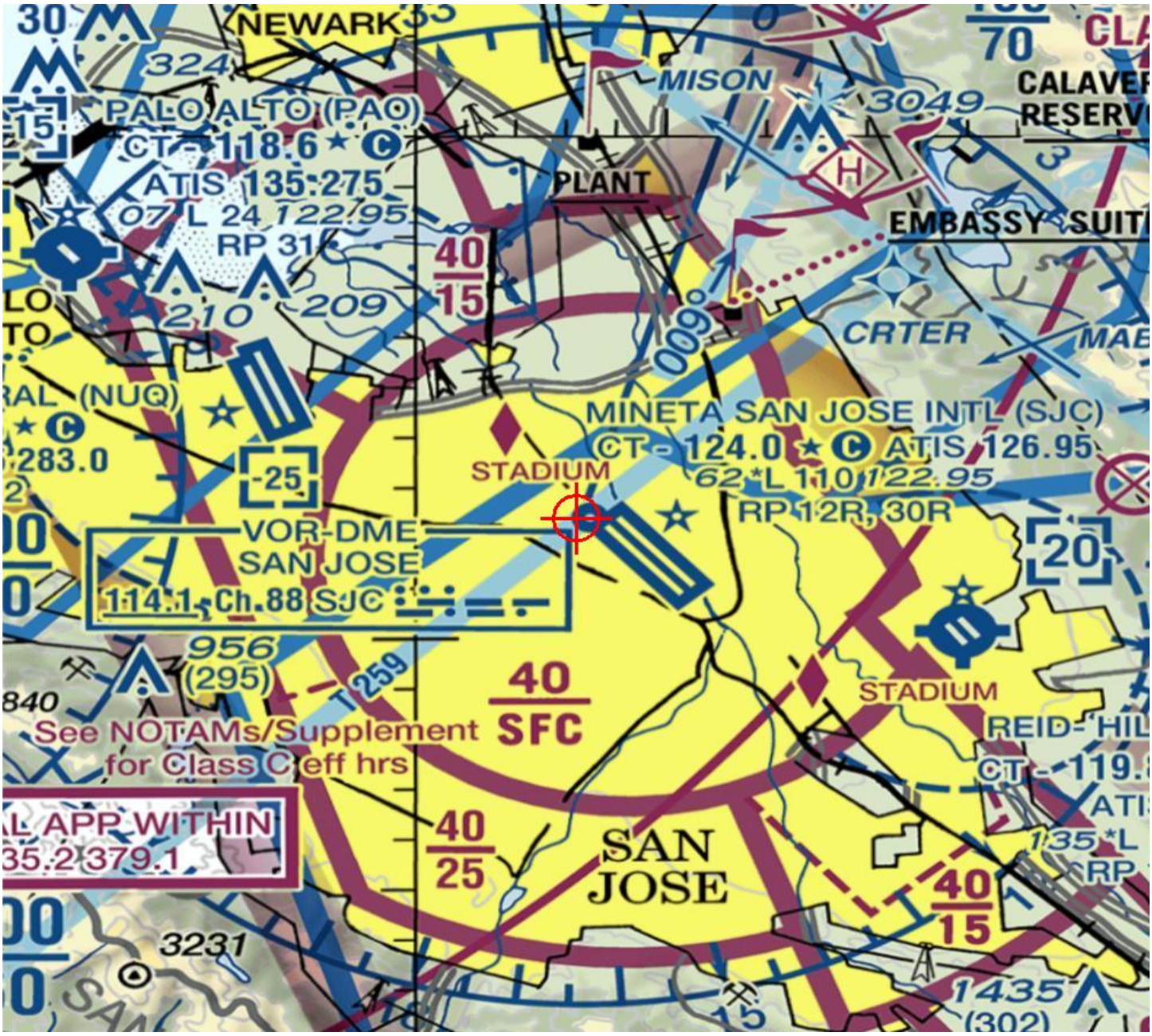
Additional information for ASN 2020-AWP-12510-OE

This building will be located in very close proximity to the threshold of the Norman Y. Mineta San Jose International Airport (SJC) Runway (RWY) 12R. Occupants and people outside the building will be exposed to frequent loud jet aircraft noise and the sight of large commercial aircraft operating at very low altitudes near the building.

TOPO Map for ASN 2020-AWP-12510-OE



Sectional Map for ASN 2020-AWP-12510-OE



Mail Processing Center
Federal Aviation Administration
Southwest Regional Office
Obstruction Evaluation Group
10101 Hillwood Parkway
Fort Worth, TX 76177

Aeronautical Study No.
2020-AWP-12511-OE

Issued Date: 05/07/2021

Digital Realty
Rafal Rak
9355 Grand Avenue
Franklin Park, IL 60131

**** DETERMINATION OF NO HAZARD TO AIR NAVIGATION ****

The Federal Aviation Administration has conducted an aeronautical study under the provisions of 49 U.S.C., Section 44718 and if applicable Title 14 of the Code of Federal Regulations, part 77, concerning:

Structure:	Building 2825 Lafayette G
Location:	Santa Clara, CA
Latitude:	37-22-22.38N NAD 83
Longitude:	121-56-48.55W
Heights:	41 feet site elevation (SE)
	77 feet above ground level (AGL)
	118 feet above mean sea level (AMSL)

This aeronautical study revealed that the structure does not exceed obstruction standards and would not be a hazard to air navigation provided the following condition(s), if any, is(are) met:

It is required that FAA Form 7460-2, Notice of Actual Construction or Alteration, be e-filed any time the project is abandoned or:

_____ At least 10 days prior to start of construction (7460-2, Part 1)
__X__ Within 5 days after the construction reaches its greatest height (7460-2, Part 2)

See attachment for additional condition(s) or information.
Based on this evaluation, marking and lighting are not necessary for aviation safety. However, if marking/ lighting are accomplished on a voluntary basis, we recommend it be installed in accordance with FAA Advisory circular 70/7460-1 M.

The structure considered under this study lies in proximity to an airport and occupants may be subjected to noise from aircraft operating to and from the airport.

This determination expires on 11/07/2022 unless:

(a) the construction is started (not necessarily completed) and FAA Form 7460-2, Notice of Actual Construction or Alteration, is received by this office.
(b) extended, revised, or terminated by the issuing office.

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This determination concerns the effect of this structure on the safe and efficient use of navigable airspace by aircraft and does not relieve the sponsor of compliance responsibilities relating to any law, ordinance, or regulation of any Federal, State, or local government body.

If we can be of further assistance, please contact our office at (206) 231-2989, or dan.shoemaker@faa.gov. On any future correspondence concerning this matter, please refer to Aeronautical Study Number 2020-AWP-12511-OE.

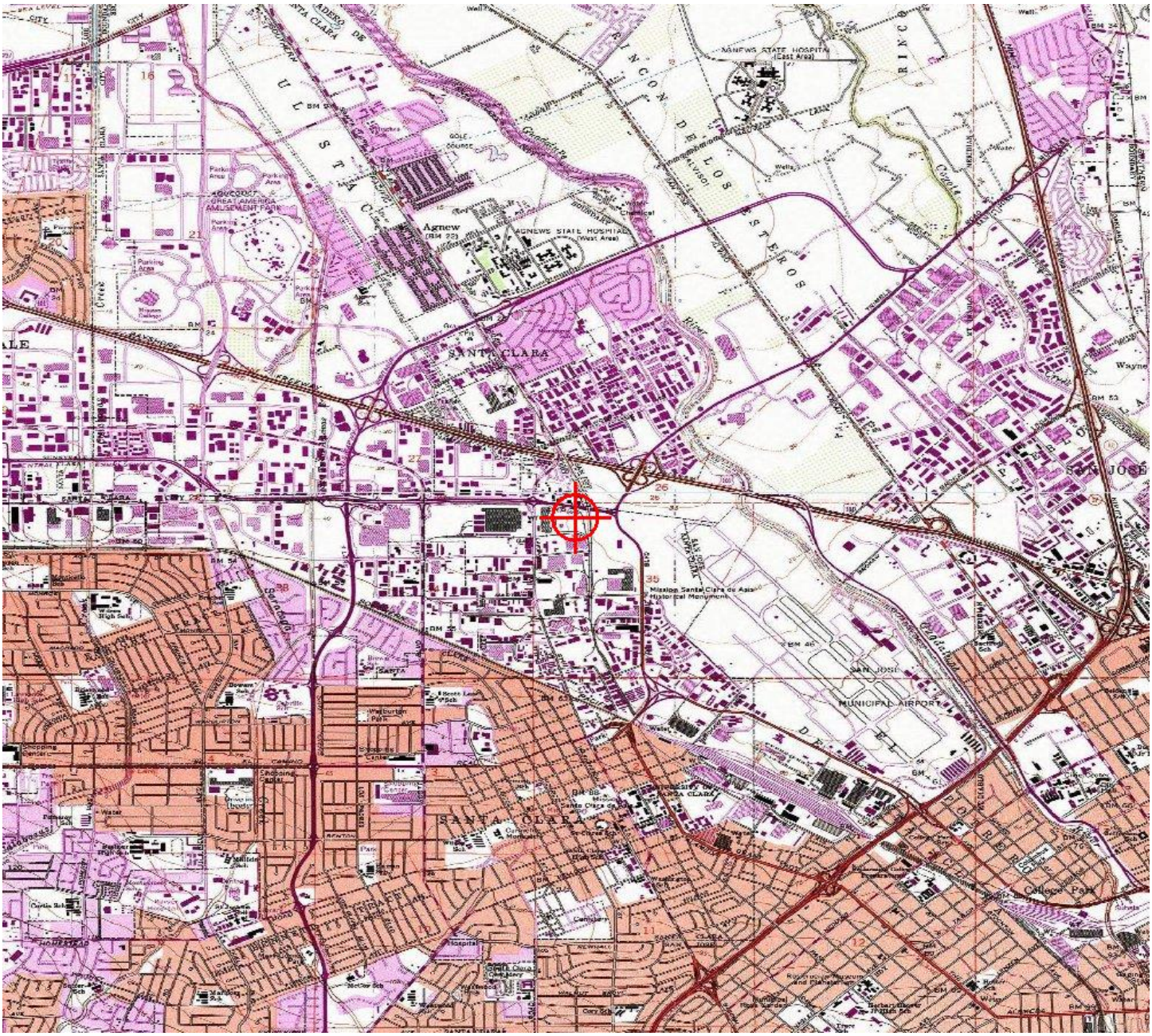
Signature Control No: 455757150-480154411 (DNE)
Daniel Shoemaker
Specialist

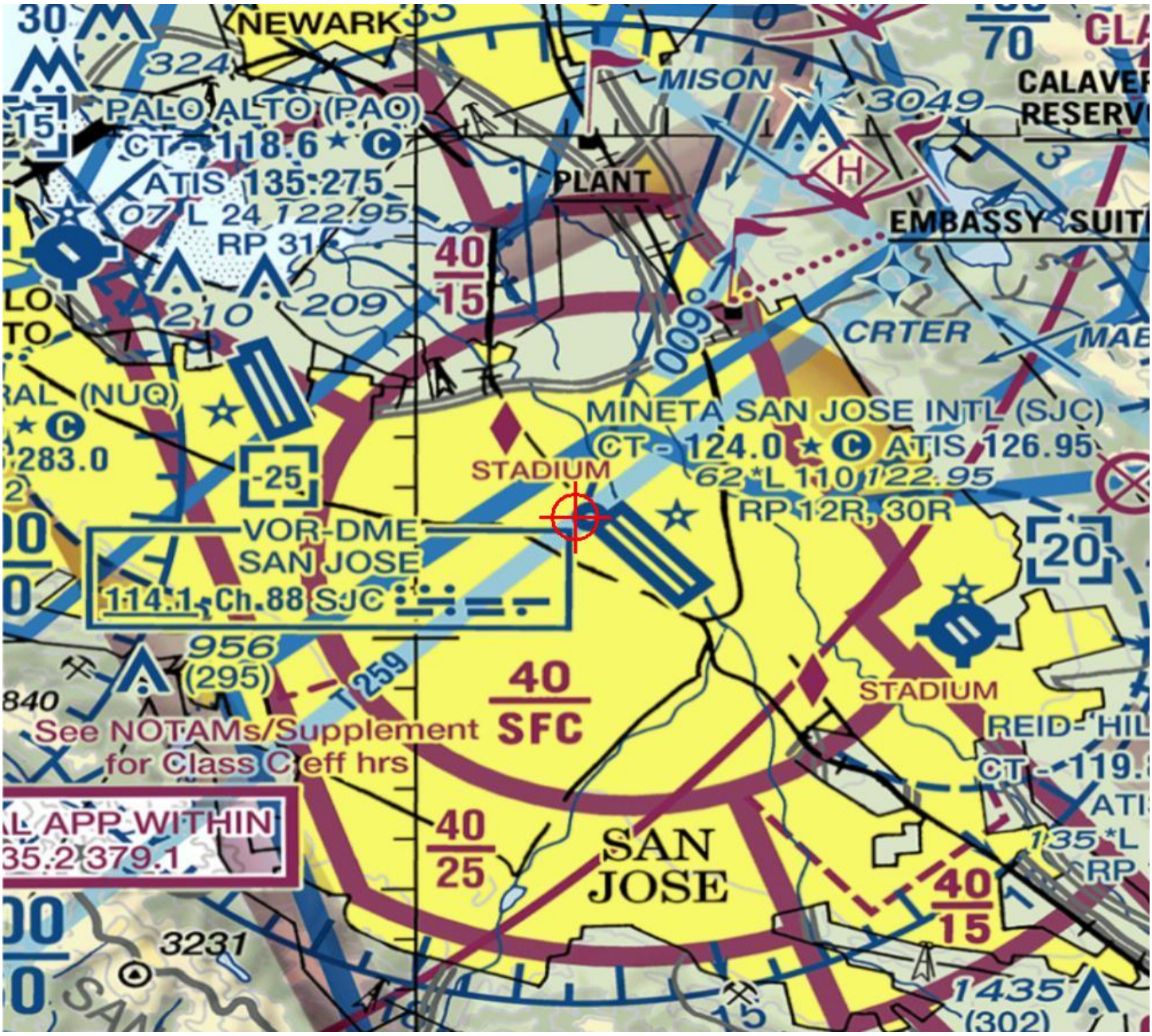
Attachment(s)
Additional Information
Map(s)

Additional information for ASN 2020-AWP-12511-OE

This building will be located in very close proximity to the threshold of the Norman Y. Mineta San Jose International Airport (SJC) Runway (RWY) 12R. Occupants and people outside the building will be exposed to frequent loud jet aircraft noise and the sight of large commercial aircraft operating at very low altitudes near the building.

TOPO Map for ASN 2020-AWP-12511-OE




NEWARK
MISON
PALO ALTO (PAO)
CT - 118.6
ATIS 135.275
07L 24 122.95
RP 31
PLANT
EMBASSY SUIT
CRTER
MINETA SAN JOSE INTL (SJC)
CT - 124.0
ATIS 126.95
62 L 10 122.95
RP 12R, 30R
STADIUM
VOR-DME
SAN JOSE
114.1 Ch 88 SJC
See NOTAMs/Supplement
for Class C eff hrs
SAN
JOSE
REID-HIL
CALAVER
RESERV
40
SFC
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