Item no. 4
March 6, 2023

COMMUNITY DEVELOPMENT DEPARTMENT – PLANNING DIVISION
1243 NATIONAL CITY BLVD., NATIONAL CITY, CA 91950

PLANNING COMMISSION STAFF REPORT

Title:	PUBLIC HEARING – CONDITIONAL USE PERMIT FOR A NEW WIRELESS COMMUNICATIONS FACILITY TO BE LOCATED AT 901 EUCLID AVENUE.
Case File No.:	2022-36 CUP
Location:	Vallarta Supermarket
Assessor's Parcel No.:	558-010-55
Staff report by:	Martin Reeder, AICP – Planning Manager
Applicant:	Andrew Rocca for Dish Wireless
Zoning designation:	MXD-1 – Minor Mixed-Use District
Adjacent land use/zoning:	
North:	Walgreens / MXD-1
East:	Summercrest Apartments / RM-2 (High Density Multi-Unit Residential)
South:	Commercial shopping center north and south of Plaza Blvd. / MXD-1 and MXC-1 (Minor Mixed Use Corridor) respectively
West:	National City Family Health Center across Euclid Avenue / MXC-1
Environmental review:	This is a project under CEQA subject to a Categorical Exemption. Existing Facilities. CCR 15301(c).
Staff recommendation:	Approve

Staff Recommendation

Staff is recommending approval of the Conditional Use Permit (CUP) request. The proposal will increase the effectiveness of the Dish Wireless communications network.

Executive Summary

Dish Wireless has applied for a CUP to construct a new wireless telecommunications facility and install associated equipment on the roof of and attached to Vallarta Supermarket. All antennas would be screened, with screening walls and/or enclosures textured and painted to match the existing commercial building.

Site Characteristics

The project location is Vallarta Supermarket which is situated in the Euclid Center located at the northeast corner of Euclid Avenue and Plaza Boulevard. Other uses in the center include Walgreens, Firestone, and San Diego County Credit Union. The area is mostly commercial in nature, with apartments located to the east (Summercrest Apartments) and the Windsor Heights Apartments located across Euclid Avenue to the west, beyond the National City Family Health Center.

Proposal

The proposed facility would consist of three antennae locations and a small equipment shelter on the roof on the east side of the supermarket building. Two antennas would be located either side of the “Vallarta Supermarkets” marquee on the west façade. The antennas would be contained in box-like structures painted and textured to match the building’s architectural style (white stucco). The third antenna would be located behind an approximately eight-foot tall screening wall at the southeast corner of the building. The wall would cover two sides of the corner, screening the antenna from viewers looking north or west.

Analysis

The proposal is consistent with General Plan policy E-3.3 (Education and Public Participation) that aims to increase access to wireless internet connections, computers, and other forms of communication technology. The proposal is also consistent with the Land Use Code (LUC), because wireless communications facilities are a conditionally-allowed use in the MXD-1 zone.

The LUC requires that telecommunication facilities be sensitively designed to be compatible with, and minimize visual impacts to, surrounding areas. It also requires that

telecommunication facilities and appurtenances be screened, to the extent possible, without compromising reception and/or transmission.

The LUC also requires telecommunication facilities to be located at least 75 feet from any habitable structure on a separate property. The proposed facility meets this requirement, as the closest habitable building on another property is located approximately 110 feet away to the northeast.

1. Allowable Use – The proposed use is allowable within the applicable zoning district pursuant to a CUP and complies with all other applicable provisions of the Land Use Code because the use is allowable within the MXD-1 zone pursuant to a CUP and the proposed use meets the required guidelines in the Land Use Code for wireless facilities, as discussed above.

2. General Plan Consistency – General Plan Policy E-3.3 encourages access to wireless internet connections, computers, and other forms of communication technology, which the proposed telecommunications facility provides. In addition, the proposed facility is a conditionally-permitted use in the MXD-1 zone.

3. Compatibility, LUC and Traffic – The buildings on the site were previously analyzed for traffic impacts when constructed and any modifications to the building containing the proposed use will have to be built in compliance with the City's LUC and all applicable building and fire codes. The facility is sensitively designed to minimize visual impact and is expected to generate minimal traffic in the way of periodic maintenance visits.

4. Suitability – The site is physically suitable for the type, density, and intensity of use being proposed, including access, utilities, and the absence of physical constraints, because the proposed use will occupy the roof of an existing building with only minor modifications to the existing structure being necessary.

5. No Nuisance – Granting the permit would not constitute a nuisance or be injurious or detrimental to the public interest, health, safety, convenience, or welfare, or materially injurious to persons, property, or improvements in the vicinity and zone in which the property is located, because the proposed use will be subject to conditions that govern the design, placement, and operation of the wireless facility.

6. California Environmental Quality Act (CEQA) – The proposal has been reviewed in compliance with the California Environmental Quality Act (CEQA). Staff has determined that the proposed use is categorically exempt from environmental review pursuant to Class 1 Section 15301 (Existing Facilities), for which a Notice of Exemption will be filed subsequent to approval of this CUP. Class 1 consists of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use. The proposed use is consistent with this description and there is no potential for the project to cause either a direct or a reasonably foreseeable indirect physical change in the environment.

Conditions of Approval

Conditions requiring building and fire code compliance are attached, as well as standard Conditions of Approval for wireless facility CUPs (screening walls, required operating permits, etc.)

The 1996 Telecommunications Act states that, "no State or local government or instrumentality thereof may regulate the placement, construction, and modification of personal wireless service facilities on the basis of the environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission's regulations concerning such emissions. The Applicant provided a Radio Frequency – Electromagnetic Energy (RF-EME) Jurisdictional Report (Attachment 7) with the application packet. The report stated that the proposed design was not in compliance with FCC regulations, as there would be areas that exceed the FCC (Federal Communications Commission) exposure limits if no RF hazard mitigation measures were put in place. The report further provided recommended control measures in Section 4.0, which have been included as Conditions of Approval. The author of the RF-EME report summarized that implementation of the afore-mentioned control measures would bring the site into compliance with the FCC's rules and regulations.

It should also be pointed out that if approved by a local jurisdiction, all wireless communications facilities must obtain all required state and federal permits in order to operate. A Condition of Approval is included requiring these permits.

All property owners and occupants within 300 feet of the project were notified of the public hearing. In this case, the total number of persons notified was 920. The number is large in this case due to the proximity of the site to two large apartment complexes.

Summary

The proposed project is consistent with the General Plan and LUC in that it meets all applicable design requirements for wireless communication facilities. The project is considered 'stealth' in that it would screen the antennas from adjacent uses. The facility will improve coverage in the area for Dish Wireless customers.

Options

1. Approve 2022-36 CUP subject to the conditions included in the Resolution, and based on the findings included in the Resolution or other findings as determined by the Planning Commission; or

2. Deny 2022-36 CUP based on findings as determined by the Planning Commission; or,

3. Continue the item for additional information.

Attachments

1. Resolution
2. Overhead
3. Existing Wireless Facilities Map & List
4. Public Hearing Notice (Sent to 920 property owners and occupants)
5. Notice of Exemption
6. Applicant's Plans (Exhibits A and B, Case File No. 2022-36 CUP, dated 11/1/2022 and 4/22/2022 respectively)
7. Radio Frequency – Electromagnetic Energy (RF-EMF) Jurisdictional Report

MARTIN REEDER, AICP
Planning Manager

ARMANDO VERGARA
Director of Community Development

RESOLUTION NO. 2023-03

A RESOLUTION OF THE PLANNING COMMISSION OF
THE CITY OF NATIONAL CITY, CALIFORNIA,
APPROVING A CONDITIONAL USE PERMIT FOR A NEW WIRELESS
COMMUNICATIONS FACILITY TO BE LOCATED AT 901 EUCLID AVENUE.
CASE FILE NO. 2022-36 CUP
APN: 558-010-55

WHEREAS, the Planning Commission of the City of National City considered a Conditional Use Permit for a new wireless communications facility to be located at 901 Euclid Avenue at a duly advertised public hearing held on March 6, 2023, at which time oral and documentary evidence was presented; and,

WHEREAS, at said public hearings the Planning Commission considered the staff report contained in Case File No. 2022-36 CUP maintained by the City and incorporated herein by reference along with evidence and testimony at said hearing; and,

WHEREAS, this action is taken pursuant to all applicable procedures required by State law and City law; and,

WHEREAS, the action recited herein is found to be essential for the preservation of public health, safety, and general welfare.

NOW, THEREFORE, BE IT RESOLVED by the Planning Commission of the City of National City, California, that the testimony and evidence presented to the Planning Commission at the public hearing held on March 6, 2023, support the following findings, which are hereby made:

1. That the proposed use is allowable within the applicable zoning district pursuant to a CUP and complies with all other applicable provisions of the Land Use Code, because use is allowable within the MXD-1 zone pursuant to a CUP, and the proposed facility meets the required telecommunication facility design guidelines that include providing the minimum distance requirements from habitable space and screening the facility.

2. That the proposed use is consistent with the General Plan and any applicable specific plan, because General Plan Policy E-3.3 encourages access to wireless internet connections, computers, and other forms of communication technology: the

proposed facility modifications provide increased internet/cellular data as well as standard cellphone service capability. In addition, the proposed facility is a conditionally-permitted use in the MXD-1 zone.

3. That the design, location, size, and operating characteristics of the proposed activity would be compatible with the existing and future land uses in the vicinity, because the facility will be located on the roof of the building without interfering with the existing use. No future expansion of the building is proposed that the facility would conflict with. The screening for the antennas will match the architectural style of the building, in compliance with the LUC.

4. That the site is physically suitable for the type, density, and intensity of use being proposed, including access, utilities, and the absence of physical constraints, because the building on which the facility will be located is existing, no expansion or future use that the proposal would conflict with is anticipated, and the facility will meet all development standards and distance requirements.

5. That granting the permit would not constitute a nuisance or be injurious or detrimental to the public interest, health, safety, convenience, or welfare, or materially injurious to persons, property, or improvements in the vicinity and zone in which the property is located, because the proposed use will be subject to conditions that govern the design, placement, and operation of the wireless facility and the facility is required to comply with federal regulations regarding radio frequency emissions.

6. That the proposed project has been reviewed in compliance with the California Environmental Quality Act and has been determined to be categorically exempt from environmental review pursuant to Class 1 Section 15301 (Existing Facilities), for which a Notice of Exemption will be filed subsequent to approval of this CUP. Class 1 consists of the operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use. The proposed use is consistent with this description and there is no potential for the project to cause either a direct or a reasonably foreseeable indirect physical change in the environment

BE IT FURTHER RESOLVED that the application for Conditional Use Permit is hereby approved subject to the following conditions:

General

1. This *Conditional Use Permit* authorizes a wireless communications facility at 901 Euclid Avenue. Except as required by conditions of approval, all plans submitted for permits associated with the project shall conform with Exhibits A and B, Case File No. 2022-36 CUP, dated 11/1/2022 and 4/22/2022 respectively. Any additional antennas or facilities must be in substantial conformance with the design for installation shown on these plans.
2. Before this *Conditional Use Permit* shall become effective, the applicant and the property owner both shall sign and have notarized an Acceptance Form, provided by the Planning Division, acknowledging and accepting all conditions imposed upon the approval of this permit. Failure to return the signed and notarized Acceptance Form within 30 days of its receipt shall automatically terminate the *Conditional Use Permit*. The applicant shall also submit evidence to the satisfaction of the Planning Division that a Notice of Restriction on Real Property is recorded with the County Recorder. The applicant shall pay necessary recording fees to the County. The Notice of Restriction shall provide information that conditions imposed by approval of the *Conditional Use Permit* are binding on all present or future interest holders or estate holders of the property. The Notice of Restriction shall be approved as to form by the City Attorney and signed by the City Manager or assign prior to recordation.
3. *Within four (4) days of approval*, pursuant to Fish and Game Code 711.4 and the California Code of Regulations, Title 14, Section 753.5, the applicant shall pay all necessary environmental filing fees for the San Diego County Clerk. Checks shall be made payable to the *County Clerk* and submitted to the National City Planning Department.
4. This permit shall become null and void if not exercised within one year after adoption of the resolution of approval unless extended according to procedures specified in Section 18.12.040 of the Municipal Code.
5. This permit shall expire if the use authorized by this resolution is discontinued for a period of 12 months or longer. This permit may also be revoked, pursuant to provisions of the Land Use Code, if discontinued for any lesser period of time.
6. This *Conditional Use Permit* may be revoked if the operator is found to be in violation of any Conditions of Approval.
7. The wireless communications facility shall comply at all times with all applicable laws, including, but not limited to, federal regulations related to radio frequency emissions.

Building

8. Plans submitted for demolition and construction improvements shall comply with the 2022 edition of the California Building, Mechanical, Electrical, Plumbing, Accessibility, Green, Energy and Fire Codes.

Fire

9. Plans submitted for improvements must comply with the 2022 edition of the California Fire Code (CFC), and the current editions of the National Fire Protection Association (NFPA) and California Code of Regulations (CCR).
10. National Fire Protection Association (NFPA) section 76 “Standard for the Fire Protection of Telecommunications Facilities” shall be strictly followed.
11. Emergency Generator Shutdown procedures shall be posted in conspicuous area of emergency generator if installed. A permit would be required if storage of fuel is proposed
    - Sign shall be clearly visible from the street. If the power source is inside of the building and cannot be seen from the street, a sign shall be placed in a position that can be easily seen by emergency personnel on foot.
12. A 704 Emergency placard shall be posted at site. Sign shall be clearly visible from the street.
13. The National City Fire Department shall be involved with all fire inspections for this site. Rough inspections are required for all phases of work.

Planning

14. All appropriate and required local, state and/or federal permits must be obtained and/or modified prior to operation of the wireless communications facility.
15. All recommended control measures outlined in Section 4.0 and within the Site Safety Plan attached to the Radio Frequency – Electromagnetic Energy (RF-EME) Jurisdictional Report (EBI Project No. 6222002110, dated April 8, 2022) shall be installed and implemented prior to operation.
16. In order to alert people accessing the rooftop, a Guidelines sign and an NOC Information must be installed at each access point to the rooftop. Additionally, yellow Caution signs must be installed on the barrier in front of the Dish Wireless Sector C antennas. These signs must be placed in a conspicuous manner so that they are visible to any person approaching the barrier from any direction.
17. Individuals and workers accessing the rooftop shall be provided with a copy of the Site Safety Plan (Exhibit B of the Electromagnetic Energy Jurisdictional Report – EBI Project No. 6222002110, dated April 8, 2022), made aware of the posted signage

and installation of the recommended barriers, and signify their understanding of the Site Safety Plan.

18. Dish Wireless shall provide procedures to shut down and lockout/tagout installed wireless equipment in accordance with their own standard operating protocol. Non-telecom workers who will be working in areas that exceed FCC exposure limits are required to contact Dish Wireless for lockout/tagout prior to any work being undertaken.
19. Barriers shall be installed to block access to the areas in front of the antennas that exceed the FCC general public and/or occupational limits. Barriers shall consist of rope, chain, or fencing. Barriers shall be installed on the adjacent building roof 20 feet away from the front of the Dish Wireless Sector C antennas.
20. In order to reduce the risk of exposure to RF emissions, access to areas associated with the active antenna installation shall be restricted and secured where possible.
21. Antennas in the southwest quadrant shall be screened from adjacent views through the use of screening walls no higher than the antennas plus one foot. Screening walls shall be textured and painted to match the architectural style and color of the existing building.
22. The equipment shelter shall be textured and painted to match the color of the existing building.
23. All exposed cables or cable runs shall be painted to match the surface to which they are mounted.
24. The permittee shall not object to co-locating additional facilities of other communication companies and sharing the project site, provided such shared use does not result in substantial technical or quality-of-service impairment for the permitted use. In the event a dispute arises with regard to co-locating with other existing or potential users, the City may require a third party technical study at the expense of either or both the applicant and the complaining user. This condition in no way obligates the City to approve any co-location proposal if it is determined by the City not to be desirable in a specific case.
25. The applicant or operator shall be responsible for the removal and disposal of any antennas, equipment or facilities that are abandoned, decommissioned, or become obsolete within six (6) months of discontinuance.
26. Plans submitted for construction shall include a power failure backup system to ensure continuity of service. The design of the backup system shall conform to the regulations contained in NCMC 18.30.220.

BE IT FURTHER RESOLVED that copies of this Resolution be transmitted forthwith to the applicant and to the City Council.

BE IT FINALLY RESOLVED that this Resolution shall become effective and final on the day following the City Council meeting where the Planning Commission resolution is set for review, unless an appeal in writing is filed with the City Clerk prior to 5:00 p.m. on the day of that City Council meeting. The City Council may, at that meeting, appeal the decision of the Planning Commission and set the matter for public hearing.

CERTIFICATION:

This certifies that the Resolution was adopted by the Planning Commission at their meeting of March 6, 2023, by the following vote:

AYES:

NAYS:

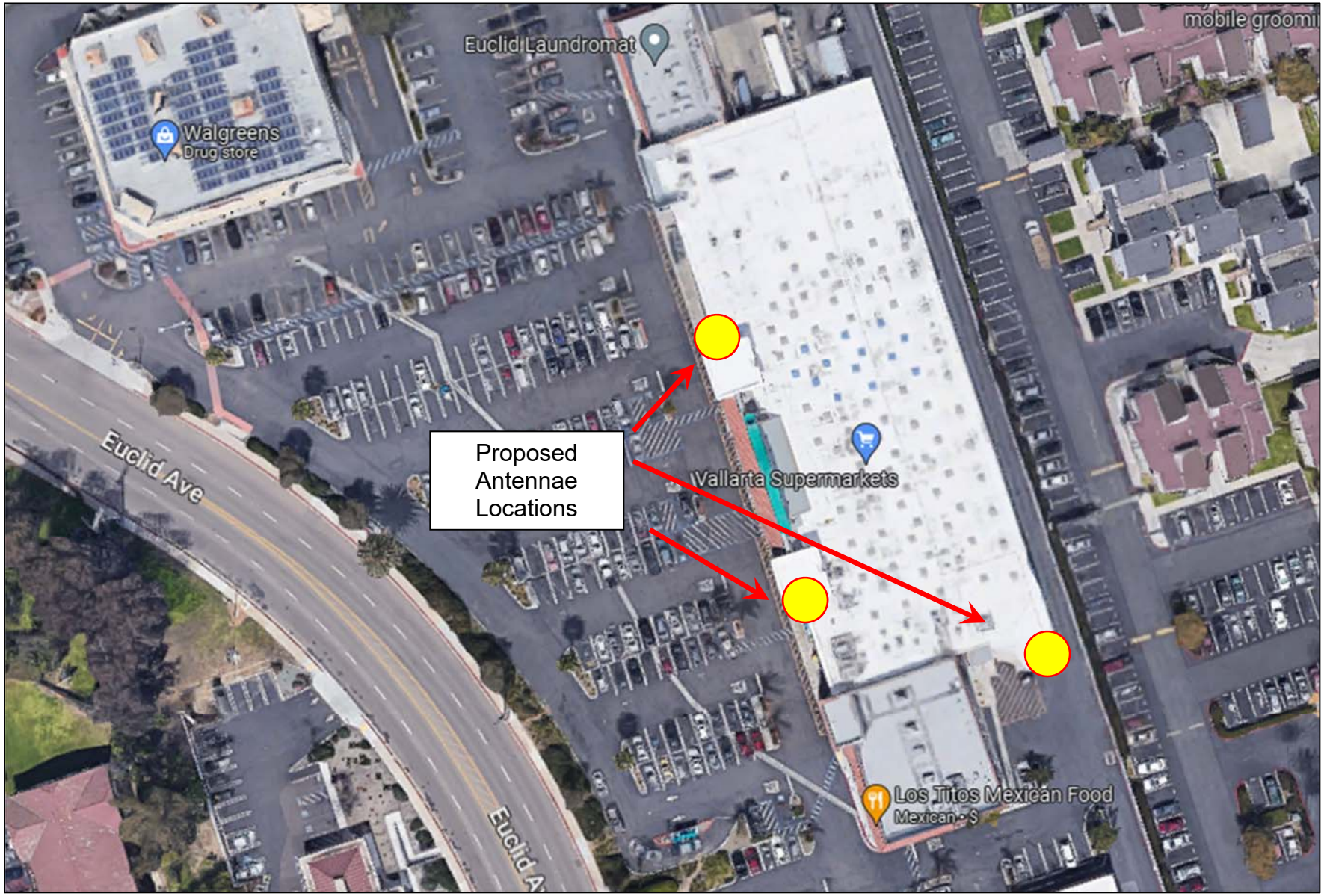
ABSENT:

ABSTAIN:

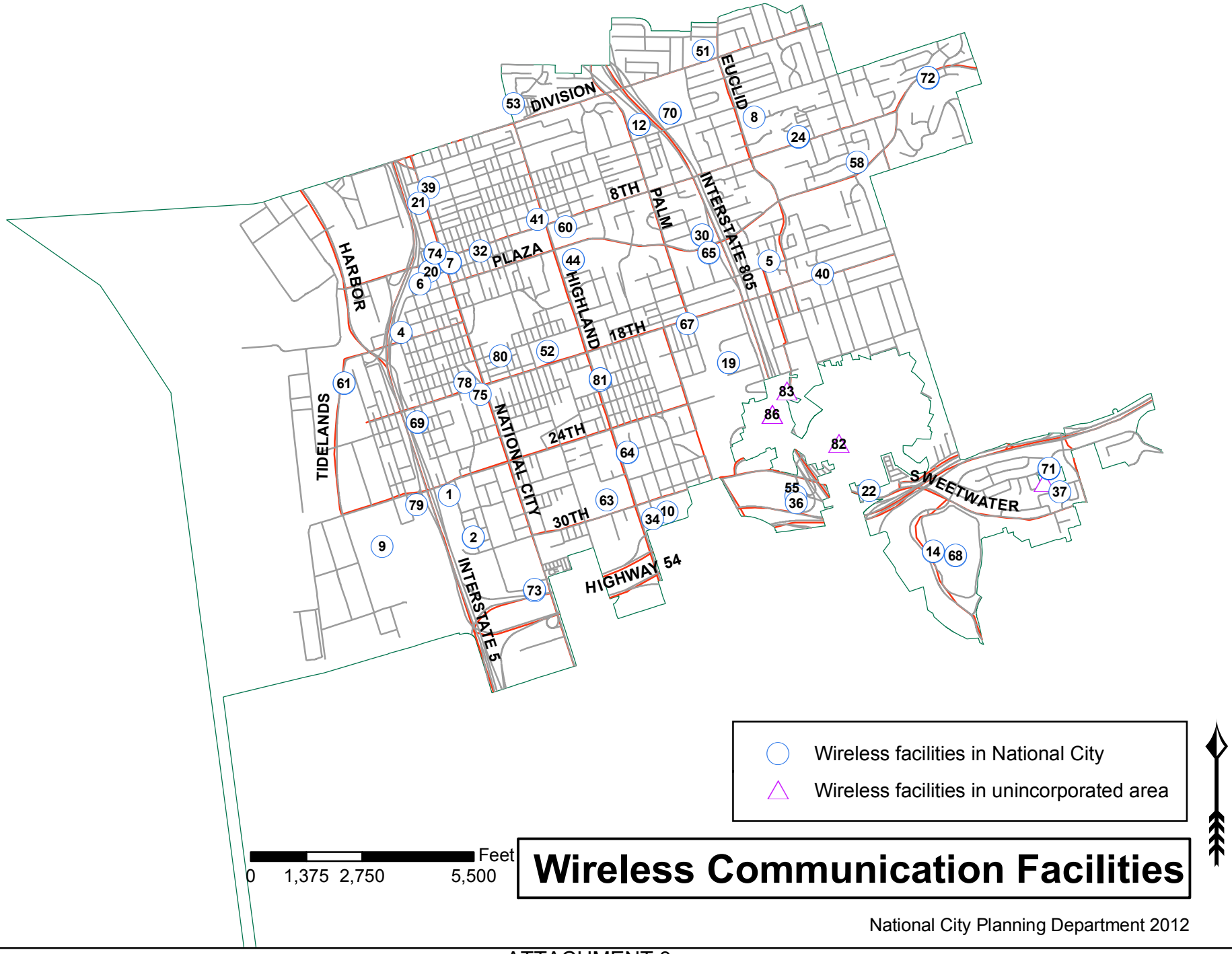
_____

CHAIRPERSON

2022-36 CUP – 901 Euclid Avenue – Overhead



ATTACHMENT 2



ATTACHMENT 3

FACILITY	APN	LOCATION	PROVIDER	FILE_NO_
1	562-340-44	**2434 Southport**	Urban Comm Rad	CUP-1992-11
	Radio communication facilitv (microwave transmitter)- 80-foot tall tower and 8-foot in diameter dish antenna			
2	562 340 26	**300 W 28th**	AirTouch	CDC Reso 94-28
	75-foot monopole with three sector antennas and 450-sa foot eauipment buildina.			
	562-340-26	**300 W 28th**	Nextel	CUP-2003-30
	12 antennae on existing communications tower and a 270 square foot equipment enclosure adiacent to existing equipment			
4	559-032-02	**1215 Wilson**	Pac Bell	CUP-1995-11
	Located on roof of existina building. PCS facilitv- six roof-mounted antennas and two ground-mounted equipment boxes.			
5	557-410-03	**1645 E Plaza**	Pac Bell	CUP--1995-13
	Located on roof of Qualitv Inn. PCSfacilitv- six panel antennas and equipment cabinet.			
6	555-086-11	**910 Hoover**	AirTouch	CUP-1995-18
	Located on existing building. Cellular facilitv- three support structures with five panel antennas each, two dish antennas and equipment cabinet			
7	556-471-24	**801 National City Blvd**	AT&T	CUP-1996-2
	Located on roof of Red Lion Hotel. Paging facilitv- four whip antennas, one global positioning satellite antenna and equipment cabinet.			
	556-471-24	**801 National City Blvd**	Nextel	CUP-1994-8
	Located on roof of Red Lion Hotel. ESMR facilitv- three whip antennas and eauipment cabinet.			
	556-471-24	**801 National City Blvd**	Pagenet	CUP-1996-12
	Located on roof of hotel. Paging facility- four antennas and eauipment cabinet one floor down from roof.			
	556-471-24	**801 National City Blvd**	AT&T	CUP-1999-5
	Located atop Red Lion Hotel. Wireless communication facility- four antennas and radio base svstem.			
8	554-120-30	**2400 E 4th**	AT&T	CUP-1996-4
	Located on roof of Paradise Valley Hospital. Paaina facilitv- four whip antennas, one alobal POsitioninasatellite antenna and equipment cabinet.			
9	559-160-13	**1022 W Bay Marin**	GTE	CUP-1996-5
	Located on a 360-sa foot building. Cellular facilitv- 60-foot monopole with twelve panel antennas.			
10	563-370-36	**3007 Highland**	Pac Bell	CUP-1996-6
	Located on existing Super Saver buildina. PCSfacilitv- six panel antennas and two equipment cabinets.			
12	554-050-12	**303 Palm**	AirTouch	CUP-1996-8
	60-foot hiah monopole with six whip antennas, thirty directional cellular antennas, and three dishes with an eauiDmentcabinet at base.			
	554-050-12	**303 Palm**	Sprint PCS	CUP-2001-10
	Located on National Guard Armory property. PCSfacility six antennas in three 40-foot flag poles, one GPS antenna and a new equipment building.			

14	564-471-01	**3030 Plaza Bonita Rd**	Nextel	CUP-1997-8
	Located atop Plaza Bonita sign. ESMRfacilitv- nine antennas and equipment cabinet.			
	564-471-01	**3030 Plaza Bonita Rd**	Pac Bell	CUP-1996-7
	Located atop the existing Plaza Bonita sign. PCSfacility- three antennas and two eauiDmentcabinets at base of sign.			
16	557-420-36	**1840 E 12th**	Nextel	CUP-1999-4
	60-foot monopalm on vacant commercial lot.			
20	555-082-11	**111 W 9th**	Sprint	CUP-2000-9
	Located atop 2-story Sid's Camet Barn warehouse. Wireless communication facilitv- twelve wireless panel antennas and 4-inch GPS antenna.			
21	555-030-21	**330 National City Blvd**	GTE	CUP-2000-11
	Located atop BayTheatre. Wireless communication facility- twelve panel antennas and four equipment cabinets.			
22	564-250-50	**2435 Sweetwater**	Sprint	CUP-2000-14
	Located at Sweetwater Inn. Global Positioning System with nine panel antennas.			
30	557-420-36	**1905 E Plaza**	Sprint PCS	CUP-2001-3
	53 foot tall monopalm with nine panel antennas. PCS Facility with one equipment enclosure and a GPS antenna.			
32	556-473-18	**242 E 8th**	AT&T	CUP-2001-6
	Located atop an existing church.			
34	563-370-35	**3007 Highland**	Nextel	CUP-2001-12
	Located atop Sweetwater Square. New equipment building over trash enclosure, nine panel antennas and one GPS antenna.			
36	563-231-38	**1914 Sweetwater**	Cingular	CUP-2002-3
	Located on an existing 75 foot tall pole sign for the SweetwaterTown and Country Shopping Center.			
37	564-310-37	**3737 Sweetwater**	Cingular	CUP-2002-4
	72 foot tall monopine with standard equipment enclosure			
39	556-101-15	**241 National City Blvd**	Cingular	CUP-2002-6
	12 panel antennas behind four new partial parapet walls atop an existina fumiture store; four equipment cabinets outside			
40	558-200-24	**2415 E 18th**	Cingular	CUP-2002-13
	Panel antennas located inside new liaht standards; equipment located inside existing commercial buildina			
41	556-354-13	**716 Highland**	AT&T	CUP-2002-14
	Six facade mounted panel antennas with equipment on roof of PacBell switching station. Equipment screened to match existing.			
44	556-590-61	**1019 Highland**	Sprint PCS	CUP-2002-24
	6 panel antennas in a new monument sign in the South Bay Plaza shopping center			
	556-590-61	**1019 Highland**	Cingular	CUP-2002-2
	Located atop South Bay Plaza on an existing mechanical equipment screen.			
51	552-283-11	**2323 E Division**	Sprint	CUP-2004-6
	3 panelantennasina 9x10x16 roof-mountedcupola			

52	560-191-30	**1701 D Ave**	Nextel	CUP-2004-12
	12 panel antennas on a 57' faux broadleaf tree with 230 square foot equipment enclosure			
53	551-570-20	**51 N Highland**	Sprint	CUP-2004-15
	2 panel antennas in a 45' flagpole with 4 wall-mounted equipment cabinets			
55	563-231-39	**1914 Sweetwater**	Nextel	PC Reso 20-2002
	2 panel antennas in a 45' flagpole with 4 wall-mounted equipment cabinets			
57	554-120-24	**2701 E 8th**	Cingular	PC Reso 02-2001
	Co-locationin churchspire-3 antennas within existing architectural feature			
	554-120-24	**2701 E 8th**	T-Mobile	CUP-2000-19
	Located at existing church. Antennas located in a GO-footmonument.			
	554-120-24	**2701 E 8th**	Sprint	CUP-2000-27
	12 panel antennas mounted on exterior of self-storage building and painted to match; all equipment located inside of the buildings			
	554-120-24	**2701 E 8th**	AT&T	CUP-2000-19
	Located at existing church. Antennas located in a 60-foot monument			
58	558-030-30	**1035 Harbison**	Nextel	CUP-2005-3
	12 panel antennas on a monopalm with 299 SQ.ft. equipment enclosure.			
60	556-510-12	**914 E 8th**	Cingular	CUP-2005-10
	12 panel antennas on 39-ft monopine with 280 sq. ft. equipment shelter			
61	559-040-53	**1439 Tidelands**	Cingular	CUP-2005-9
	12 panel antennas on monopalm with associated equipment shelter			
	559-040-53	**1445 Tidelands**	Nextel	CUP-2000-31
	4O-footmonopalmwith three sectors of four antennas each and equipment shelter			
63	562-200-02	**2900 Highland**	Cingular	CUP-2005-12
	3 antennas on replacement light standard with associated equipment shelter			
64	563-010-47	**2605 Highland**	Cricket	CUP-2006-11
	3 antennas in new architectural feature of church with associated equipment			
	563-010-47	**2605 Highland**	Sprint	CUP-2002-18
	Six panel antennas and equipment inside a new 54 foot tall monument/cross/sign.			
65	557-420-31	**1900 E Plaza**	Cricket	CUP-2006-6
	3 antennas on new faux palm tree with associated equipment			
	557-420-31	**1900 E Plaza**	Cingular	CUP-2004-4
	5 panel antennas in a new pole sign at Jimmy's Restaurant			
67	561-222-23	**1526-40 E 18th**	T-Mobile	CUP-2006-10
	12 panel antennas on a new 45-foot tall faux pine tree with associated equipment shelter			
68	564-471-07	**3030 Plaza Bonita Rd**	Cingular	CUP-2005-24
	12 antennas facade mounted to new rooftop enclosure that will house equipment			

68	564-471-07	**3030 Plaza Bonita Rd**	Verizon	CUP-2003-13
	12 panel antennas on the roof of the Plaza Bonita Mall behind a screen wall			
69	559-106-17	**525 W 20th**	Cricket	CUP-2005-25
	3 antennas on existing self storage building painted to match with associated equipment			
	559-106-17	**525 W 20th**	Sprint	CUP-2001-4
	Located on existina storaae building. Wireless communication facility- 9 antennas and equipment building.			
70	554-050-15	**2005 E 4th**	Cricket	PC Reso 09-2003
	3 antennas on existing light standard with associated equipment shelter			
	554-050-15	**2005 E 4th**	Cingular	CUP-2003-5
	12 panel antennas on a replacement 100 foot light standard in EITovon park and a 160 square foot equipment enclosure.			
	554-050-15	**2005 E 4th**	GTE	CUP-1998-4
	Located in EITovon Park. Cellular facility- 97'8" monopole with twelve panel antennas, three omni antennas, and 192-sqfoot equipment building.			
	554-050-15	**2005 E 4th**	Nextel	CUP-2005-15
	12 panel antennas on a 47-foot tall faux-broadleaf awith 230 sq. ft.equipment shelter			
71	564-290-06	**3820 Cagle St**	Cricket	PC RESO 10-2004
	3 antennas on existing faux pine tree with vaulted equipment shelter			
	564-290-06	**3820 Cagle St**	Sprint	CUP-2001-2
	Located at Sweetwater Heights Centennial Park. Wireless communication facility- 35-foot pole with six antennas, equipment building and adiacent liahting for the park.			
	564-290-06	**3820 Cagle St**	T-Mobile	CUP-2004-3
	Located at Sweetwater Heights Centennial Park. Wireless communication facilitv- 55-foot monopine with twelve panel antennas and equipment building			
	564-290-06	**3820 Cagle St**	Cingular	PC Reso 11-2002
	Co-location on 55-foot monopine - additional 12 panel antennas and new 275 SQ.ft. equipment vault			
72	669-060-26	**5800 Boxer Rd**	Cricket	PC RESO 32-2003
	3 antennas on existing water tower with associated equipment shelter			
	669-060-26	**5800 Boxer Rd**	T-Mobile	CUP-2003-16
	12 panel antennas on the outside of the 0.0. Arnold water tank and a 150 square foot equipment enclosure adiacent to the tank			
	669-060-26	**5800 Boxer Rd**	Sprint	PC Reso 32-2003
	6 panel antennas on the outside of the 0.0. Arnold water tank and a 360 square foot equipment enclosure adjacent			
	669-060-26	**5800 Boxer Rd**	Cingular	CUP-2005-21
	12 panel antennas on the outside of the 0.0. Arnold water tank and a 520 square foot equipment enclosure adjacent			
73	562-330-43	**152 W 33rd**	Cricket	PC Reso 21-2002
	3 antennas on existing self storage within matching architectural projection with associated equipment			
	562-330-43	**152 W 33rd**	Sprint	CUP-2002-8
	12 panel antenas mounted on exterior of self-storage building and painted to match; all equipment located inside of the			

74	555-053-17	**700 NCB**	Cricket	PC Reso 05-2000
	3 antennas facade mounted to existina hotel with associated equipmen			
	555-053-17	**700 NCB**	Metricom	CUP-2000-4
	Located atop Holidav Inn. Wireless communication facility with equipment cabinet.			
	555-053-17	**700 NCB**	Skytel	CUP-2000-30
	Located atop Holidav Inn Hotel. - 8-foot whip antenna, two 4x2-foot panel antennas, and one GPS antenna with two indoor equipment cabinets.			
75	560-203-03	**1800 National City Blvd**	Nextel	CUP-2006-15
	15 panel antennas behindscreen wall atop existing car dealership with associated equipment			
76	561-360-35	**1810 E 22nd**	Cricket	2007-14 CUP
	3 antennas on recration building at Las Palmas Park			
	561-360-35	**1820 E 22nd**	Sprint-Nextel	CUP-2000-8
	Located in Las Palmas Park. Monopalm and eauipment along with live palms.			
78	560-143-36	**1703 Hoover**	Cleawire	2009-22 CUP
	9 antennas located on 3 different locations on industrial/ warehouse building. Each location will have 2 pannel antennas. Associated equiptment will be located in building			
79	559-160-33	**700 Bay Marina Dr**	Cleawire	2009-23 CUP
	9 antennas on tower of Marina Gateway Plaza commercial building hidden behind parapet wall. 6-foot tall equiptmant cabinent on roof below tower will be mostly covered			
80	560-151-20	**142 E 16th**	AT&T	2010-11 CUP
	6 panel antennas and RF transparent cupola atop National City Ministry Church, as well as a 330 sq ft equipment/storage/trash enclosure on the ground. The 8-foot tall Cupola will have a cross afixed to it in order to appea as part of the church			
81	561-271-01	**2005 Highland Ave**	Plancom	2010-31 CUP
	12 antenas on a 43-foot mono-palm on eastern property line			
	561-271-01	**2005 Highland**	T-Mobile	CUP-2003-4
	12 antennas on the roof of a Highland Avenue office building			
	561-271-01	**2005 Highland**	Cingular	CUP-2006-2
	12 antennas on the roof of a Highland Avenue office building with new cupola to match existing			
82	563-184-47	**2909 Shelby Dr**		P95-025
	75-foot monopole and equipment building.			
83	563-062-17	**2524 Prospect St**	AT&T	ZAP99-028
	35-foot monopalm with three sector directional antenna system and equipment cabinets.			
85	564-310-32	**3312 Bonita Heights Lane**	AT&T	ZAP00-133
86	563-063-29	**2563 Grove St**	AT&T	MUP91-026W2

86	563-063-29 **2563 Grove St**	P91-026W
	Monopole located aside live palm trees.	

COMMUNITY DEVELOPMENT DEPARTMENT - PLANNING DIVISION
1243 NATIONAL CITY BLVD., NATIONAL CITY, CA 91950

NOTICE OF PUBLIC HEARING

CONDITIONAL USE PERMIT FOR A NEW WIRELESS COMMUNICATIONS FACILITY
TO BE LOCATED AT 901 EUCLID AVENUE.
CASE FILE NO.: 2022-36 CUP
APN: 558-010-55

The National City Planning Commission will hold a public hearing at their regular in person meeting after the hour of 6:00 p.m. **Monday**, **March 6, 2023**, on the proposed request. The meeting will be LIVE WEBCAST from the City Council Chambers, Civic Center, 1243 National City Boulevard, National City, California, on the proposed request. (Applicant: Andrew Rocca for Dish Wireless)

Due to the precautions taken to combat the continued spread of coronavirus (COVID-19), the public hearing will also be available for anyone to observe on the City's website at http://nationalcityca.new.swagit.com/views/33.

Dish Wireless has applied for a Conditional Use Permit (CUP) to construct a new wireless telecommunications facility and install associated equipment on the roof of and attached to Vallarta Supermarket. All antennas would be screened, with screening walls and/or enclosures textured and painted to match the existing commercial building. The Planning Commission will also be requested to find the proposed project categorically exempt from the California Environmental Quality Act (CEQA) under Class 1, Section 15301 (Existing Facilities).

Information is available for review at the City's Planning Division, Civic Center. Members of the public are invited to comment. Written comments should be received by the Planning Division on or before 4:00 p.m., **March 6, 2023** by submitting it to PlcPubComment@nationalcityca.gov. Planning staff can be contacted at 619-336-4310 or planning@nationalcityca.gov.

If you challenge the nature of the proposed action in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the Planning Commission at, or prior to, the public hearing.

NATIONAL CITY PLANNING DIVISION

ARMANDO VERGARA
Director of Community Development

ATTACHMENT 4

COMMUNITY DEVELOPMENT DEPARTMENT – PLANNING DIVISION
1243 NATIONAL CITY BLVD., NATIONAL CITY, CA 91950

NOTICE OF EXEMPTION

TO: Assessor/Recorder/County Clerk
Attn: Fish and Wildlife Notices
1600 Pacific Highway, Suite 260
San Diego, CA 92101
MS: A-33

Lead Agency: City of National City

Project Title: 2022-36 CUP

Project Location: 901 Euclid Avenue, National City, CA.

Contact Person: Martin Reeder **Telephone Number:** (619) 336-4313

Description of Nature, Purpose and Beneficiaries of Project:
Conditional Use Permit for a new wireless communications facility on the roof of an existing supermarket located at 901 Euclid Avenue. The project would increase signal strength and service area for DISH Wireless customers.

Applicant:
Andrew Rocca for Dish Wireless
23 Mauchly, #110
Irvine, CA 92618

Telephone Number:
(760) 579-8823

Exempt Status:

☒ **Categorical Exemption. Class 1 Section 15301 (Existing Facilities)**

Reasons why project is exempt:
There is no possibility that the proposed use will have a significant impact on the environment because the facility would be located on an existing building and the antennas will be screened by new screening walls and will not affect use of the property.

Date:

MARTIN REEDER, AICP
Planning Manager

EXHIBIT A
CASE FILE NO.: 2022-36 CUP
DATE: 11/1/22

DISH Wireless L.L.C. SITE ID:
SDSAN00257E

DISH Wireless L.L.C. SITE ADDRESS:
901 EUCLID AVE
NATIONAL CITY, CA 91950

CALIFORNIA - CODE COMPLIANCE

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES:

CODE TYPE	CODE
BUILDING	2019 CALIFORNIA BUILDING CODE (CBC)/2018 IBC
MECHANICAL	2019 CALIFORNIA MECHANICAL CODE (CMC)/2018 UMC
ELECTRICAL	2019 CALIFORNIA ELECTRICAL CODE (CEC)/2017 NEC
ANSI/TIA-222	(REV H)

SHEET INDEX

SCOPE OF WORK

THIS IS NOT AN ALL INCLUSIVE LIST. CONTRACTOR SHALL UTILIZE SPECIFIED EQUIPMENT PART OR ENGINEER APPROVED EQUIVALENT. CONTRACTOR SHALL VERIFY ALL NEEDED EQUIPMENT TO PROVIDE A FUNCTIONAL SITE. THE PROJECT GENERALLY CONSISTS OF THE FOLLOWING:

SECTOR SCOPE OF WORK:
- INSTALL (3) PROPOSED PANEL ANTENNAS (1 PER SECTOR)
- INSTALL (3) ANTENNA MOUNT (1 PER SECTOR)
- INSTALL (6) PROPOSED RRHS (2 PER SECTOR)
- INSTALL (2) FRP BOXES
- INSTALL (1) FRP SCREEN
- INSTALL (2) PROPOSED OVER VOLTAGE PROTECTION DEVICE (OVP) (3 TOTAL)
- INSTALL DISCRETE CABLES
- INSTALL PROPOSED JUMPERS

ROOFTOP SCOPE OF WORK:
- INSTALL (1) PROPOSED H-FRAME ON EXISTING ROOFTOP PLATFORM
- INSTALL (1) PROPOSED EQUIPMENT CABINET
- INSTALL (1) PROPOSED POWER CONDUIT
- INSTALL (1) PROPOSED TELCO CONDUIT
- INSTALL (1) PROPOSED NEMA4 TELCO-FIBER BOX
- INSTALL (1) PROPOSED GPS ANTENNA
- INSTALL (1) PROPOSED ALPHA CABINET WITH FAN KIT FIBER BOX
- INSTALL (1) PROPOSED PPC CABINET

SITE PHOTO

UNDERGROUND SERVICE ALERT
UTILITY NOTIFICATION CENTER OF CALIFORNIA
(800) 422-4133
WWW.CALIFORNIA811.ORG
CALL 2-14 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

811

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE. NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS PROPOSED.

11"x17" PLOT WILL BE HALF SCALE UNLESS OTHERWISE NOTED

CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS, AND CONDITIONS ON THE JOB SITE, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

SITE INFORMATION

PROPERTY OWNER:	PF EUCLID PLAZA LLC
ADDRESS:	901 EUCLID AVE NATIONAL CITY, CA 91950
STRUCTURE TYPE:	ROOFTOP
COUNTY:	SAN DIEGO COUNTY
LATITUDE (DEC):	32.681417684704506°
LONGITUDE (DEC):	-117.07984196578741°
ZONING JURISDICTION:	CITY OF NATIONAL CITY
ZONING DISTRICT:	RLM- RESIDENTIAL LOW MEDIUM
PARCEL NUMBER:	558-010-43 & 48-00
OCCUPANCY GROUP:	U
CONSTRUCTION TYPE:	II
POWER COMPANY:	SDG&E
TELEPHONE COMPANY:	AT&T

PROJECT DIRECTORY

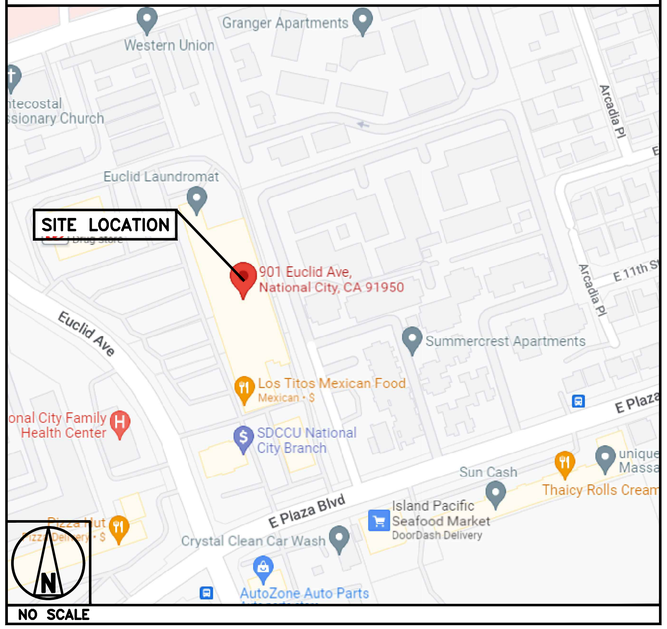
APPLICANT:	DISH WIRELESS 5701 SOUTH SANTA FE DRIVE LITTLETON, CO 80120 (808) 293-6122
A&E MANAGER:	ASHISH PATEL J5 INFRASTRUCTURE PARTNERS (323) 342-7315
SITE ACQUISITION:	ANDREW ROCCA J5 INFRASTRUCTURE PARTNERS (760) 579-8823
CONSTRUCTION MANAGER:	ROGER RATAJ roger.rataj@dish.com (619) 746-5698
RF ENGINEER:	LALAINE BERBA lalaine.berba@dish.com (760) 250-0895

DIRECTIONS

DIRECTIONS FROM SAN DIEGO INTERNATIONAL AIRPORT:
- START OUT GOING NORTHWEST ON TERMINAL ACCESS RD.
- TAKE TERMINAL ACCESS RD TOWARD TERMINAL RETURN/AIRPORT EXIT/PARKING.
- TURN SLIGHT RIGHT TOWARD RENTAL CAR RETURN/I-5/DOWNTOWN.
- TURN SLIGHT RIGHT ONTO N HARBOR DR.
- TURN LEFT ONTO W GRAPE ST.
- MERGE ONTO I-5 S.
- TAKE EXIT 15C TOWARD B STREET/PERSHING DR.
- MERGE ONTO CA-94 E VIA THE RAMP ON THE LEFT TOWARD ML KING JR FWY.
- MERGE ONTO I-805 S VIA EXIT 3.
- TAKE THE PLAZA BLVD EXIT, EXIT 10.
- TURN LEFT ONTO E PLAZA BLVD.

TURN LEFT. JUST PAST EUCLID AVE
- 901 EUCLID AVE, NATIONAL CITY, CA 91950-3855, 901 EUCLID AVE.

VICINITY MAP



NO SCALE

dish wireless.
5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

J5 INFRASTRUCTURE PARTNERS
23 MAUCHLY #110,
IRVINE, CA 92618

DRAWN BY:	CHECKED BY:	APPROVED BY:
JM	AP	---

RFDS REV #: ---

ZONING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	03/21/2022	90% ZD
B	03/28/2022	100% ZD

J5 PROJECT NUMBER
P-055281

DISH WIRELESS L.L.C.
PROJECT INFORMATION
SDSAN00257E
901 EUCLID AVE
NATIONAL CITY, CA 91950

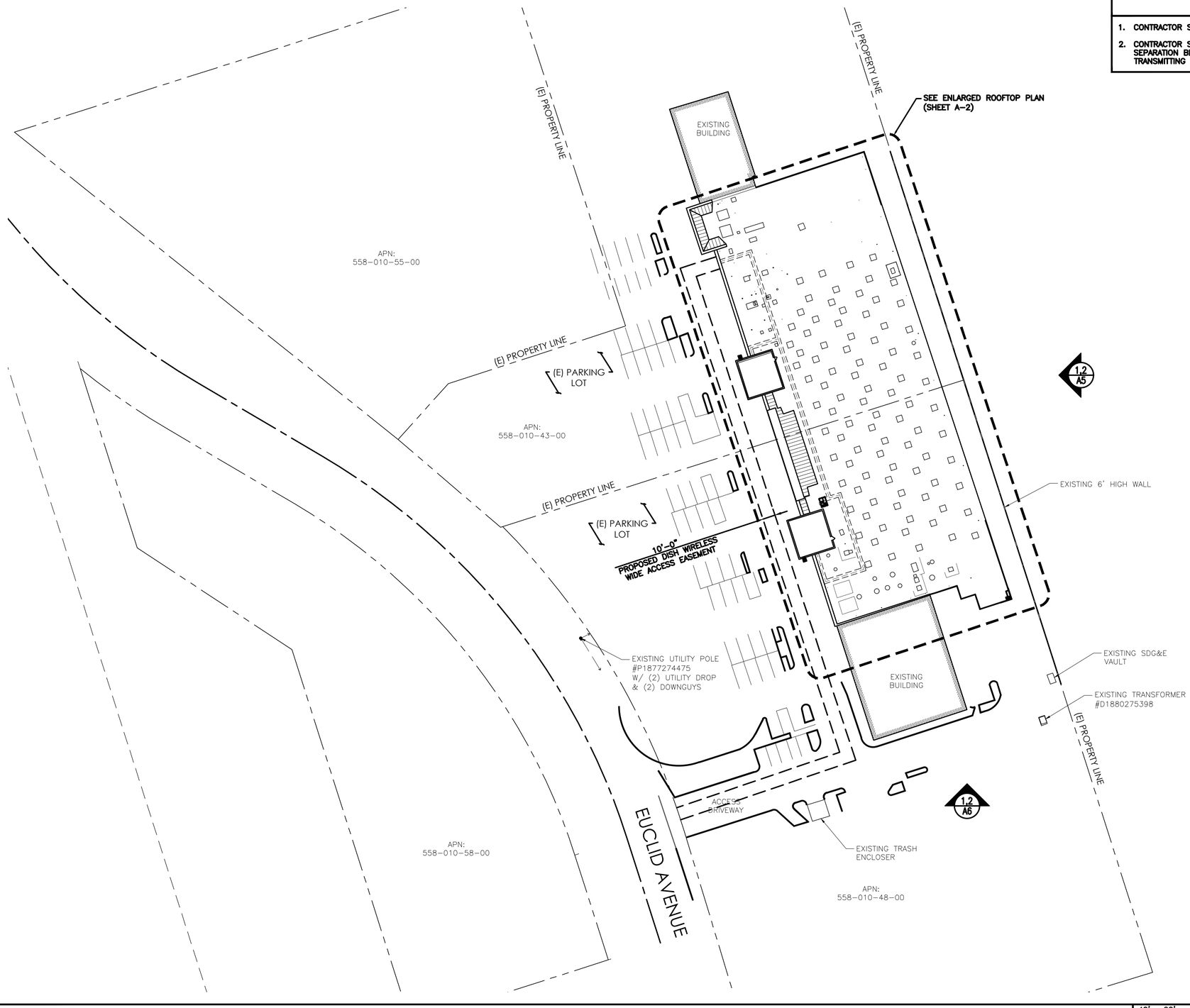
SHEET TITLE
TITLE SHEET

SHEET NUMBER
T-1

ATTACHMENT 6

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.



OVERALL SITE PLAN

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

1

dish wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

J5 INFRASTRUCTURE PARTNERS

23 MAUCHLY #110,
IRVINE, CA 92618

DRAWN BY:	CHECKED BY:	APPROVED BY:
JM	AP	---

RFDS REV #: ---

ZONING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
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B	03/28/2022	100% ZD

J5 PROJECT NUMBER

P-055281

DISH WIRELESS L.L.C.
PROJECT INFORMATION

SDSAN00257E

901 EUCLID AVE
NATIONAL CITY, CA 91950

SHEET TITLE

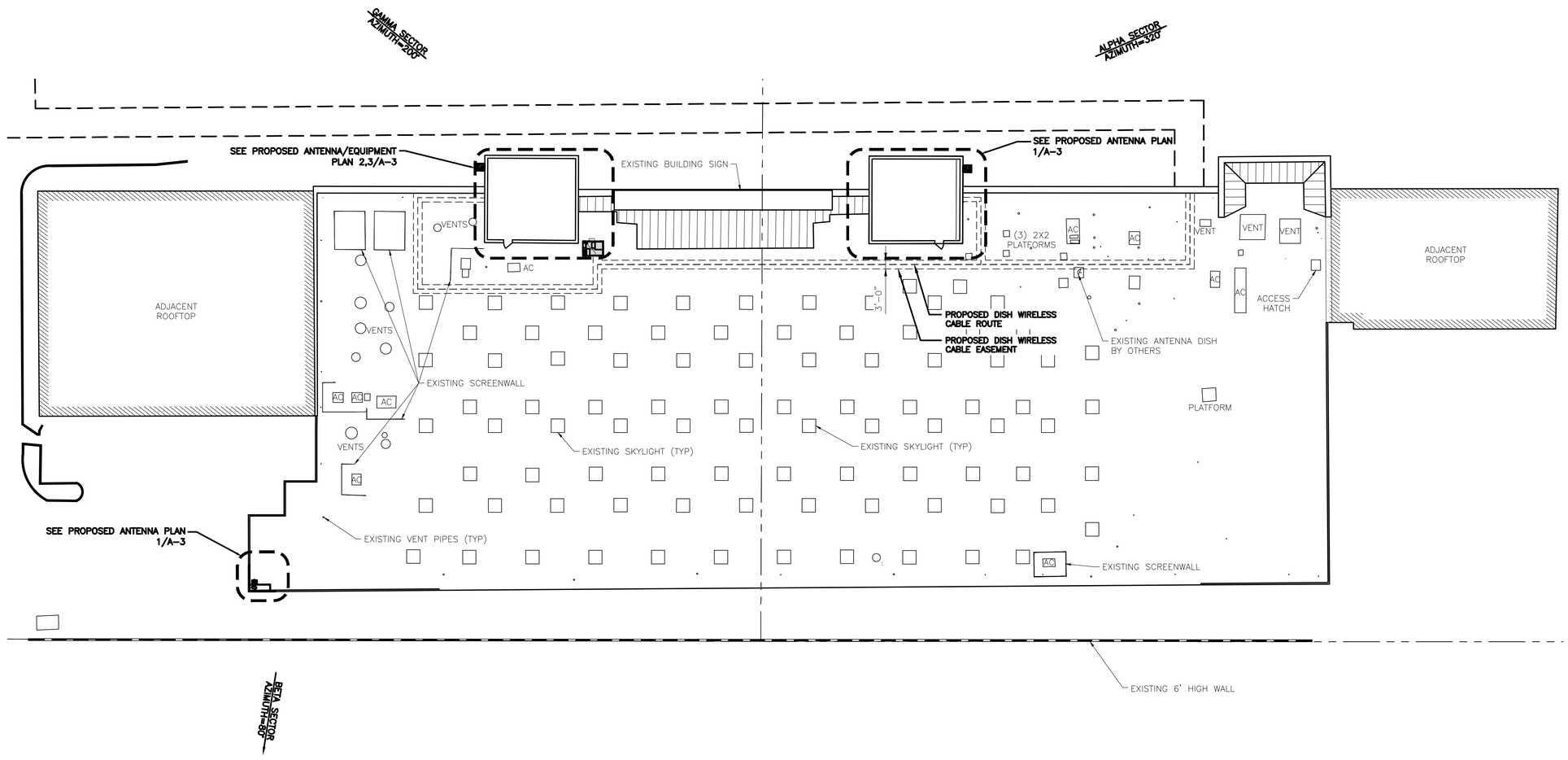
OVERALL SITE PLAN

SHEET NUMBER

A-1

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.
3. CONTRACTOR TO VERIFY WITH DISH WIRELESS L.L.C. C.M. THE LOCATION OF THE POWER AND FIBER SOURCE PRIOR TO CONSTRICTION.
4. UTILITY RUBBER MAT TO BE IN STALLED UNDER ALL DISH WIRELESS L.L.C. EQUIPMENT THAT IS RESTING ON OR AFFIXED TO ROOF MEMBRANE



ENLARGED ROOFTOP PLAN

6' 4' 2' 0 5' 10'
3/16"=1'-0"

1

dish wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

J5 INFRASTRUCTURE PARTNERS

23 MAUCHLY #110,
IRVINE, CA 92618

DRAWN BY:	CHECKED BY:	APPROVED BY:
JM	AP	---

RFDS REV #: ---

ZONING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	03/21/2022	90% ZD
B	03/28/2022	100% ZD

J5 PROJECT NUMBER

P-055281

DISH WIRELESS L.L.C.
PROJECT INFORMATION

SDSAN00257E

901 EUCLID AVE
NATIONAL CITY, CA 91950

SHEET TITLE

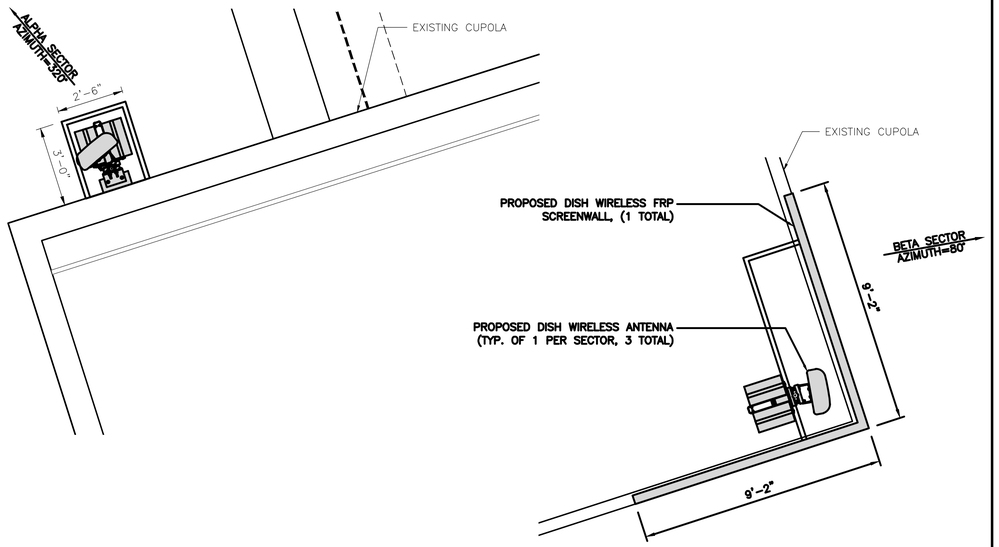
ENLARGED ROOFTOP PLAN

SHEET NUMBER

A-2

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.



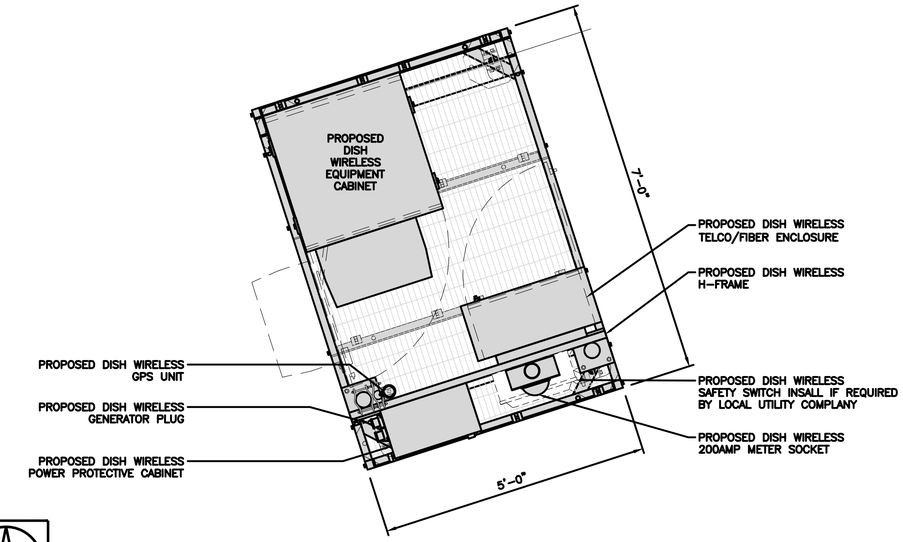
PROPOSED ALPHA SECTOR

PROPOSED BETA SECTOR

PROPOSED ANTENNA PLAN – ALPHA & BETA SECTOR

12" 6" 0 1' 2' 3' 4' 5' 6' 7'
3/8"=1'-0"

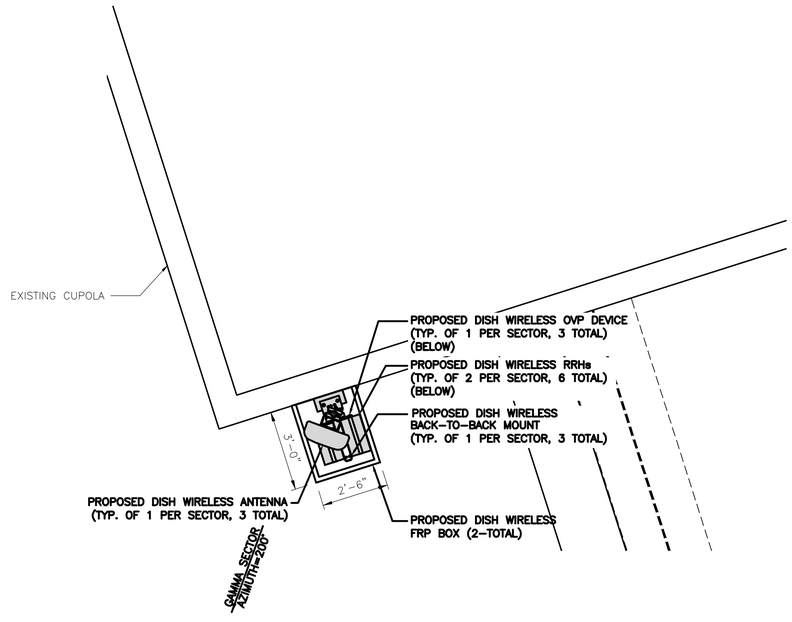
1



PROPOSED EQUIPMENT

12" 6" 0 1' 2' 3'
3/4"=1'-0"

2



PROPOSED ANTENNA PLAN – BETA AND GAMMA SECTOR

12" 6" 0 1' 2' 3' 4' 5' 6' 7'
3/8"=1'-0"

3

DYNAMIC BLOCK

SECTOR	POSITION	ANTENNA						TRANSMISSION CABLE
		EXISTING OR PROPOSED	MANUFACTURER – MODEL NUMBER	TECHNOLOGY	SIZE (HxW)	AZIMUTH	RAD CENTER	FEED LINE TYPE AND LENGTH
ALPHA	A1	PROPOSED	KMW-KE654L4H6-D	5G	72.0" x 18.1"	320°	28'-0"	DISCRETE CABLE APPROX. (180' LONG)
BETA	B1	PROPOSED	KMW-KE654L4H6-D	5G	72.0" x 18.1"	80°	21'-7"	DISCRETE CABLE APPROX. (140' LONG)
GAMMA	C1	PROPOSED	KMW-KE654L4H6-D	5G	72.0" x 18.1"	200°	28'-0"	DISCRETE CABLE APPROX. (200' LONG)

SECTOR	POSITION	RRH	
		MANUFACTURER – MODEL NUMBER	TECHNOLOGY
ALPHA	A1	FUJITSU TA08025-B604	5G
	A1	FUJITSU TA08025-B605	5G
BETA	B1	FUJITSU TA08025-B604	5G
	B1	FUJITSU TA08025-B605	5G
GAMMA	C1	FUJITSU TA08025-B604	5G
	C1	FUJITSU TA08025-B605	5G

NOTES

1. CONTRACTOR TO REFER TO FINAL CONSTRUCTION RFDS FOR ALL RF DETAILS.
2. ANTENNA AND RRH MODELS MAY CHANGE DUE TO EQUIPMENT AVAILABILITY. ALL EQUIPMENT CHANGES MUST BE APPROVED AND REMAIN IN COMPLIANCE WITH THE PROPOSED DESIGN AND STRUCTURAL ANALYSES.

ANTENNA SCHEDULE

NO SCALE

4

dish wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

J5 INFRASTRUCTURE PARTNERS

23 MAUCHLY #110,
IRVINE, CA 92618

DRAWN BY:	CHECKED BY:	APPROVED BY:
JM	AP	---

RFDS REV #: ---

ZONING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	03/21/2022	90% ZD
B	03/28/2022	100% ZD

J5 PROJECT NUMBER

P-055281

DISH WIRELESS L.L.C.
PROJECT INFORMATION

SDSAN00257E

901 EUCLID AVE
NATIONAL CITY, CA 91950

SHEET TITLE

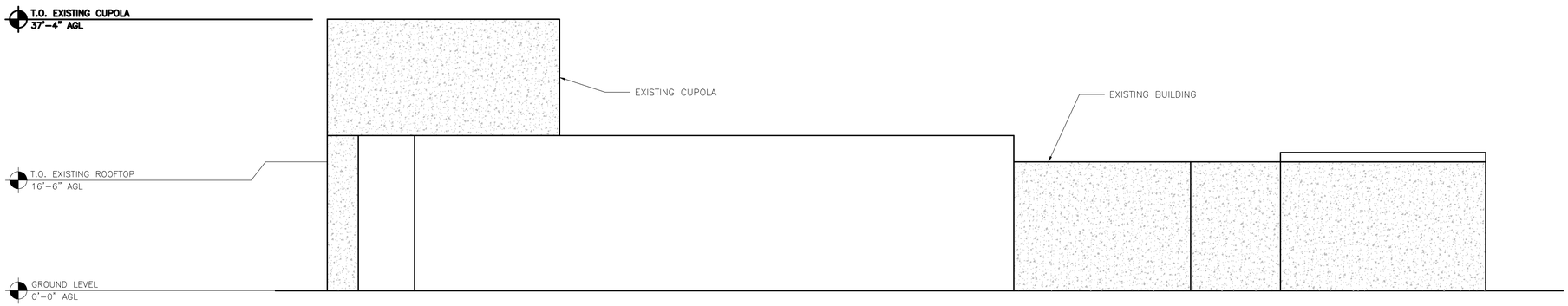
PROPOSED EQUIPMENT, ANTENNA PLANS AND SCHEDULE

SHEET NUMBER

A-3

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.



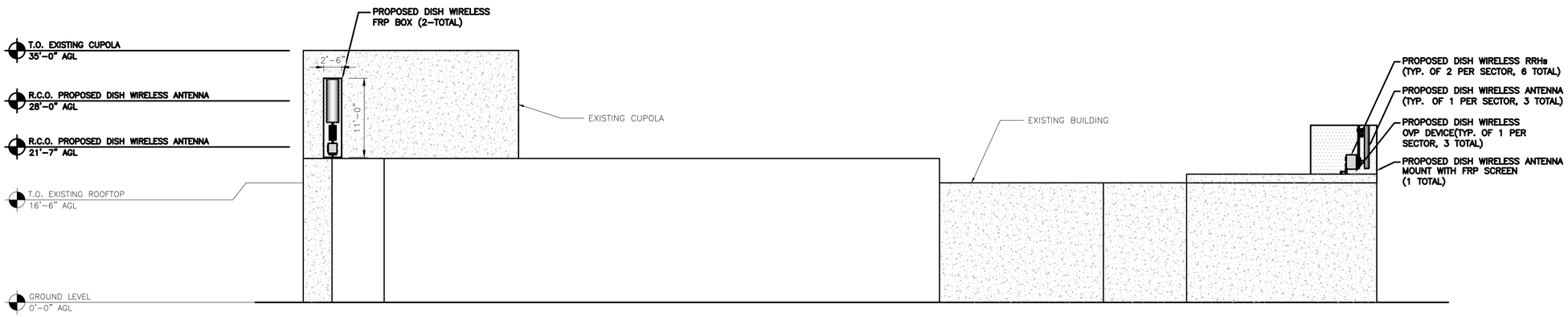
EXISTING BUILDING SOUTH ELEVATION

8' 4' 0 8' 16'
1/8"=1'-0"

1

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.



PROPOSED BUILDING SOUTH ELEVATION

8' 4' 0 8' 16'
1/8"=1'-0"

2

dish wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

J5 INFRASTRUCTURE PARTNERS

23 MAUCHLY #110,
IRVINE, CA 92618

DRAWN BY:	CHECKED BY:	APPROVED BY:
JM	AP	---

RFDS REV #: ---

ZONING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	03/21/2022	90% ZD
B	03/28/2022	100% ZD

J5 PROJECT NUMBER

P-055281

DISH WIRELESS L.L.C.
PROJECT INFORMATION

SDSAN00257E

901 EUCLID AVE
NATIONAL CITY, CA 91950

SHEET TITLE

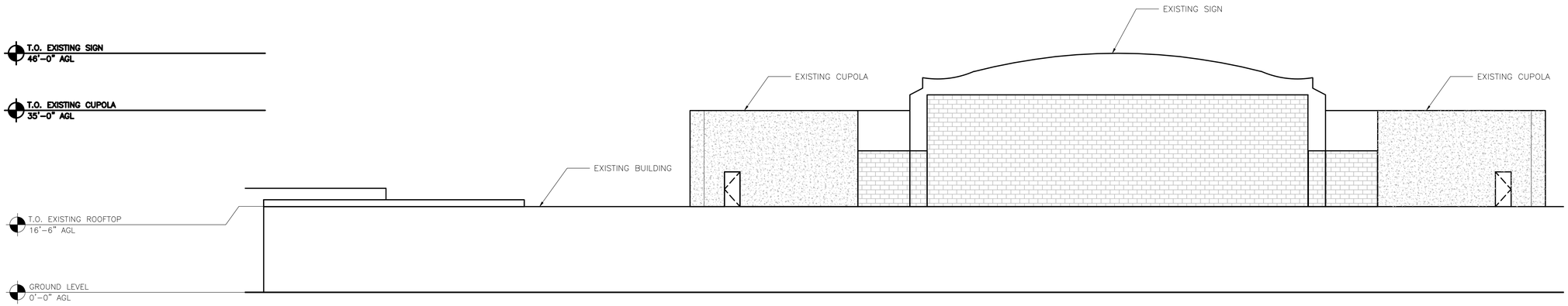
SOUTH ELEVATION

SHEET NUMBER

A-4

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.



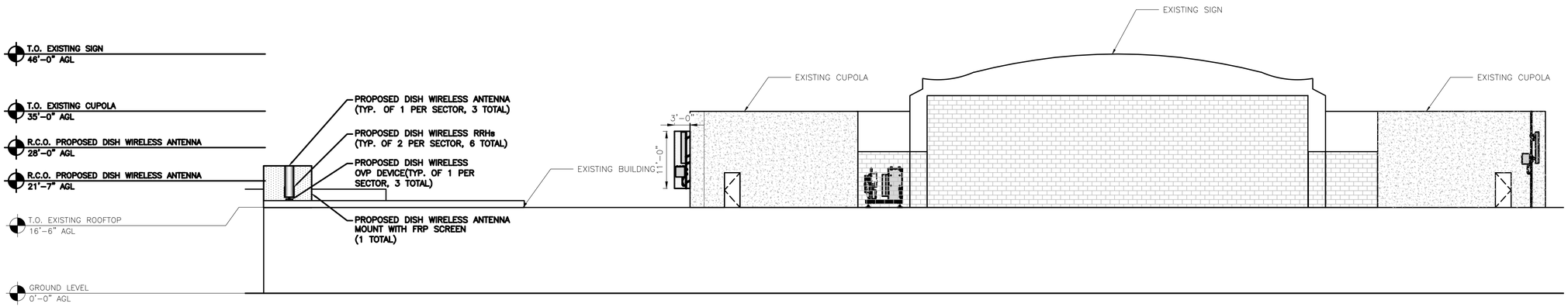
EXISTING BUILDING EAST ELEVATION

12' 8' 4' 0 10' 20'
3/32"=1'-0"

1

NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS.
2. CONTRACTOR SHALL MAINTAIN A 10'-0" MINIMUM SEPARATION BETWEEN THE PROPOSED GPS UNIT, TRANSMITTING ANTENNAS AND EXISTING GPS UNITS.



PROPOSED BUILDING EAST ELEVATION

12' 8' 4' 0 10' 20'
3/32"=1'-0"

2

dish wireless.

5701 SOUTH SANTA FE DRIVE
LITTLETON, CO 80120

J5 INFRASTRUCTURE PARTNERS

23 MAUCHLY #110,
IRVINE, CA 92618

DRAWN BY:	CHECKED BY:	APPROVED BY:
JM	AP	---

RFDS REV #: ---

ZONING DOCUMENTS

SUBMITTALS

REV	DATE	DESCRIPTION
A	03/21/2022	90% ZD
B	03/28/2022	100% ZD

J5 PROJECT NUMBER

P-055281

DISH WIRELESS L.L.C.
PROJECT INFORMATION

SDSAN00257E

901 EUCLID AVE
NATIONAL CITY, CA 91950

SHEET TITLE

EAST
ELEVATION

SHEET NUMBER

A-5

Radio Frequency - Electromagnetic Energy (RF-EME) Jurisdictional Report

Site No. SDSAN00257E
SDSAN00257E
901 Euclid Ave.
National City, California 91950
32° 40' 53.28" N, -117° 4' 47.59" W NAD83

EBI Project No. 6222002110
April 8, 2022

Prepared for:

Dish Wireless

Prepared by:

EBI Consulting
environmental | engineering | due diligence

ATTACHMENT 7

TABLE OF CONTENTS

APPENDICES

REFERENCE DOCUMENTS (NOT ATTACHED)
CDs: SDSAN00257E_ZD_20220321184233
RFDS: RFDS_SDSAN00257E-PENDING-20220322-V1.0

EXECUTIVE SUMMARY

Purpose of Report

EnviroBusiness Inc. (dba EBI Consulting) has been contracted by Dish Wireless to conduct radio frequency electromagnetic (RF-EME) modeling for Dish Wireless Site SDSAN00257E located at 901 Euclid Ave. in National City, California to determine RF-EME exposure levels from proposed Dish Wireless communications equipment at this site. As described in greater detail in Appendix C of this report, the Federal Communications Commission (FCC) has developed Maximum Permissible Exposure (MPE) Limits for the general public and for occupational activities. This report summarizes the results of RF-EME modeling in relation to relevant FCC RF-EME compliance standards for limiting human exposure to RF-EME fields.

Statement of Compliance

A site is considered out of compliance with FCC regulations if there are areas that exceed the FCC exposure limits and there are no RF hazard mitigation measures in place. Any carrier which has an installation that contributes more than 5% of the applicable MPE must participate in mitigating these RF hazards.

As presented in the sections below, based on worst-case predictive modeling, the worst-case emitted power density may exceed the FCC's general public limit within approximately 39 feet of DISH's proposed antennas at the main roof level. Modeling also indicates that the worst-case emitted power density may exceed the FCC's occupational limit within approximately 20 feet of DISH's proposed antennas at the main roof level. Additionally, there are areas where workers who may be elevated above the rooftop or ground may be exposed to power densities greater than the occupational limits. Therefore, workers should be informed about the presence and locations of antennas and their associated fields.

At the nearest walking/working surfaces to the Dish Wireless antennas, the maximum power density generated by the DISH antennas is approximately **680.57** percent of the FCC's general public limit (**136.11** percent of the FCC's occupational limit).

The maximum composite exposure level from all carriers on this site is approximately **680.57** percent of the FCC's general public limit (**136.11** percent of the FCC's occupational limit) at the nearest walking/working surface to each antenna.

Recommended control measures are outlined in Section 4.0 and within the Site Safety Plan (attached); Dish Wireless should also provide procedures to shut down and lockout/tagout this wireless equipment in accordance with their own standard operating protocol. Non-telecom workers who will be working in areas of exceedance are required to contact Dish Wireless since only DISH has the ability to lockout/tagout the facility, or to authorize others to do so.

1.0 INTRODUCTION

Radio frequency waves are electromagnetic waves from the portion of the electromagnetic spectrum at frequencies lower than visible light and microwaves. The wavelengths of radio waves range from thousands of meters to around 30 centimeters. These wavelengths correspond to frequencies as low as 3 cycles per second (or hertz [Hz]) to as high as one gigahertz (one billion cycles per second).

Personal Communication (PCS) facilities used by Dish Wireless in this area will potentially operate within a frequency range of 600 to 5000 MHz. Facilities typically consist of: 1) electronic transceivers (the radios or cabinets) connected to wired telephone lines; and 2) antennas that send the wireless signals created by the transceivers to be received by individual subscriber units (PCS telephones). Transceivers are typically connected to antennas by coaxial cables.

Because of the short wavelength of PCS services, the antennas require line-of-site paths for good propagation, and are typically installed a distance above ground level. Antennas are constructed to concentrate energy towards the horizon, with as little energy as possible scattered towards the ground or the sky. This design, combined with the low power of PCS facilities, generally results in no possibility for exposure to approach Maximum Permissible Exposure (MPE) levels, with the exception of in areas in the immediate vicinity of the antennas.

MPE limits do not represent levels where a health risk exists, since they are designed to provide a substantial margin of safety. These limits apply for continuous exposures and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size or health.

2.0 SITE DESCRIPTION

This project site includes the following proposed wireless telecommunication antennas on a rooftop located at 901 Euclid Ave. in National City, California.

Ant #	Operator	Antenna Make	Antenna Model	Frequency (MHz)	Azimuth (deg.)	Mechanical Downtilt (deg.)	Horizontal Beamwidth (Degrees)	Aperture (feet)	Total Power Input (Watts)	Gain (dBd)*	Total ERP (Watts)	Total EIRP (Watts)
1	Dish	KMW	KE654L4H6-D 02DT 600	600	320	0	70	6.0	120	18.05	6826.24	11195.03
1	Dish	KMW	KE654L4H6-D 02DT 700	700	320	0	63	6.0	120	18.35	7314.44	11995.69
1	Dish	KMW	KE654L4H6-D 02DT 2000	2000	320	0	62	6.0	160	22.35	24497.40	40175.73
1	Dish	KMW	KE654L4H6-D 02DT 2100	2100	320	0	62	6.0	160	22.35	24497.40	40175.73
2	Dish	KMW	KE654L4H6-D 02DT 600	600	80	0	70	6.0	120	18.05	6826.24	11195.03
2	Dish	KMW	KE654L4H6-D 02DT 700	700	80	0	63	6.0	120	18.35	7314.44	11995.69
2	Dish	KMW	KE654L4H6-D 02DT 2000	2000	80	0	62	6.0	160	22.35	24497.40	40175.73
2	Dish	KMW	KE654L4H6-D 02DT 2100	2100	80	0	62	6.0	160	22.35	24497.40	40175.73
3	Dish	KMW	KE654L4H6-D 02DT 600	600	200	0	70	6.0	120	18.05	6826.24	11195.03
3	Dish	KMW	KE654L4H6-D 02DT 700	700	200	0	63	6.0	120	18.35	7314.44	11995.69
3	Dish	KMW	KE654L4H6-D 02DT 2000	2000	200	0	62	6.0	160	22.35	24497.40	40175.73
3	Dish	KMW	KE654L4H6-D 02DT 2100	2100	200	0	62	6.0	160	22.35	24497.40	40175.73

• Note there is 1 Dish Wireless antenna per sector at this site. For clarity, the different frequencies for each antenna are entered on separate lines.
• Gain includes antenna and combiner.

Ant #	NAME	X	Y	Antenna Radiation Centerline	Z-Height Cupola Roof	Z-Height Adjacent Building	Z-Height Adjacent Building Cupola	Z-Height Main Roof	Z-Height Ground
1	Dish	89.2	58.7	28.0	-7.0	9.5	4.0	12.0	28.0
2	Dish	22.0	19.7	21.6	-13.4	3.1	-2.4	5.6	21.6
3	Dish	42.7	58.5	28.0	-7.0	9.5	4.0	12.0	28.0

• Note the Z-Height represents the distance from the antenna centerline in feet.

The above tables contain an inventory of proposed Dish Wireless antennas and other carrier antennas if sufficient information was available to model them. Note that EBI uses an assumed set of antenna specifications and powers for unknown and other carrier antennas for modeling purposes. The FCC guidelines incorporate two separate tiers of exposure limits that are based upon occupational/controlled exposure limits (for workers) and general population/uncontrolled exposure limits for members of the general public that may be exposed to antenna fields. While access to this site is considered uncontrolled, the analysis has considered exposures with respect to both controlled and uncontrolled limits as an untrained worker may access adjacent rooftop locations. Additional information regarding controlled/uncontrolled exposure limits is provided in Appendix C. Appendix B presents a site safety plan that provides a plan view of the rooftop with antenna locations.

3.0 WORST-CASE PREDICTIVE MODELING

EBI has performed theoretical MPE modeling using RoofMaster™ software to estimate the worst-case power density at the site's nearby broadcast levels resulting from operation of the antennas. RoofMaster™ is a widely-used predictive modeling program that has been developed by Waterford Consultants to predict RF power density values for rooftop and tower telecommunications sites produced by vertical collinear antennas that are typically used in the cellular, PCS, paging and other communications services. Using the computational methods set forth in Federal Communications Commission (FCC) Office of Engineering & Technology (OET) Bulletin 65, "Evaluating Compliance with FCC Guidelines for Human Exposure to Radiofrequency Electromagnetic Fields" (OET-65), RoofMaster™ calculates predicted power density in a scalable grid based on the contributions of all RF sources characterized in the study scenario. At each grid location, the cumulative power density is expressed as a percentage of the FCC limits. Manufacturer antenna pattern data is utilized in these calculations. RoofMaster™ models consist of the Far Field model as specified in OET-65 and an implementation of the OET-65 Cylindrical Model (Sula9). The models utilize several operational specifications for different types of antennas to produce a plot of spatially-averaged power densities that can be expressed as a percentage of the applicable exposure limit.

For this report, EBI utilized antenna and power data provided by Dish Wireless and compared the resultant worst-case MPE levels to the FCC's occupational/controlled exposure limits outlined in OET Bulletin 65. The assumptions used in the modeling are based upon information provided by Dish Wireless and information gathered from other sources. Elevations of walking/working surfaces were estimated based on elevations provided and available aerial imagery. Sector orientation assignments were made assuming coverage is directed to areas of site. Changes to antenna mount heights or placement will impact site compliance. The parameters used for modeling are summarized in the Site Description antenna inventory table in Section 2.0.

There are no other wireless carriers with equipment installed at this site.

Based on worst-case predictive modeling, the worst-case emitted power density may exceed the FCC's general public limit within approximately 39 feet of Dish Wireless's Sector C antennas on the adjacent

building cupola roof level. Modeling also indicates that the worst-case emitted power density may exceed the FCC's occupational limit within approximately 20 feet of Dish Wireless's Sector C antennas on the adjacent building cupola rooftop level. At the nearest walking/working surfaces to the Dish Wireless antennas, the maximum power density generated by the Dish Wireless antennas is approximately 680.57 percent of the FCC's general public limit (136.11 percent of the FCC's occupational limit). The maximum composite exposure level from all carriers on this site is approximately 680.57 percent of the FCC's general public limit (136.11 percent of the FCC's occupational limit) at the nearest walking/working surface to each antenna.

The Site Safety Plan also presents areas where Dish Wireless antennas contribute greater than 5% of the applicable MPE limit for a site. A site is considered out of compliance with FCC regulations if there are areas that exceed the FCC exposure limits and there are no RF hazard mitigation measures in place. Any carrier which has an installation that contributes more than 5% of the applicable MPE must participate in mitigating these RF hazards.

The inputs used in the modeling are summarized in the Site Description antenna inventory table in Section 2.0. A graphical representation of the RoofMaster™ modeling results is presented in Appendix B. Microwave dish antennas are designed for point-to-point operations at the elevations of the installed equipment rather than ground level coverage. The maximum power density generated by all carrier antennas, including microwaves and panel antennas, is included in the modeling results presented within this report.

4.0 MITIGATION/SITE CONTROL OPTIONS

EBI's modeling indicates that there are areas in front of the Dish Wireless antennas that exceed the FCC standards for general public and occupational exposure. In order to alert people accessing the rooftop, a Guidelines sign and an NOC Information are recommended for installation at each access point to the rooftop. Additionally, yellow Caution signs are recommended for installation on the barrier in front of the Dish Wireless Sector C antennas. These signs must be placed in a conspicuous manner so that they are visible to any person approaching the barrier from any direction.

Barriers are recommended for installation when possible to block access to the areas in front of the antennas that exceed the FCC general public and/or occupational limits. Barriers may consist of rope, chain, or fencing. Painted stripes should only be used as a last resort. Barriers are recommended on the adjacent building roof 20 feet away front of the Dish Wireless Sector C antennas.

These protocols and recommended control measures have been summarized and included with a graphic representation of the antennas and associated signage and control areas in a RF-EME Site Safety Plan, which is included as Appendix B. Individuals and workers accessing the rooftop should be provided with a copy of the attached Site Safety Plan, made aware of the posted signage and installation of the recommended barriers, and signify their understanding of the Site Safety Plan.

To reduce the risk of exposure, EBI recommends that access to areas associated with the active antenna installation be restricted and secured where possible.

Implementation of the signage and installation of the recommended barriers recommended in the Site Safety Plan and in this report will bring this site into compliance with the FCC's rules and regulations.

5.0 SUMMARY AND CONCLUSIONS

EBI has prepared a Radiofrequency – Electromagnetic Energy (RF-EME) Compliance Report for telecommunications equipment installed by Dish Wireless Site Number SDSAN00257E located at 901

Euclid Ave. in National City, California to determine worst-case predicted RF-EME exposure levels from wireless communications equipment installed at this site. This report summarizes the results of RF-EME modeling in relation to relevant Federal Communications Commission (FCC) RF-EME compliance standards for limiting human exposure to RF-EME fields.

As presented in the sections above, based on the FCC criteria, the worst-case emitted power density may exceed the FCC's general public limit within approximately 39 feet of Dish Wireless's proposed antennas at the main roof level. Modeling also indicates that the worst-case emitted power density may exceed the FCC's occupational limit within approximately 20 feet of Dish Wireless's proposed antennas at the main roof level.

Workers should be informed about the presence and locations of antennas and their associated fields. Recommended control measures are outlined in Section 4.0 and within the Site Safety Plan (attached); Dish Wireless should also provide procedures to shut down and lockout/tagout this wireless equipment in accordance with their own standard operating protocol. Non-telecom workers who will be working in areas of exceedance are required to contact Dish Wireless since only Dish Wireless has the ability to lockout/tagout the facility, or to authorize others to do so.

6.0 LIMITATIONS

This report was prepared for the use of Dish Wireless. It was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same locale under like circumstances. The conclusions provided by EBI are based solely on the information provided by the client. The observations in this report are valid on the date of the investigation. Any additional information that becomes available concerning the site should be provided to EBI so that our conclusions may be revised and modified, if necessary. This report has been prepared in accordance with Standard Conditions for Engagement and authorized proposal, both of which are integral parts of this report. No other warranty, expressed or implied, is made.

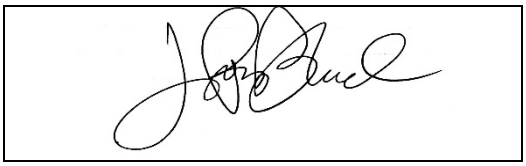
Appendix A

Certifications

Preparer Certification

I, John-Pierre Blanchard, state that:

- I am an employee of EnviroBusiness Inc. (d/b/a EBI Consulting), which provides RF-EME safety and compliance services to the wireless communications industry.
- I have successfully completed RF-EME safety training, and I am aware of the potential hazards from RF-EME and would be classified "occupational" under the FCC regulations.
- I am fully aware of and familiar with the Rules and Regulations of both the Federal Communications Commissions (FCC) and the Occupational Safety and Health Administration (OSHA) with regard to Human Exposure to Radio Frequency Radiation.
- I have reviewed the data provided by the client and incorporated it into this Site Compliance Report such that the information contained in this report is true and accurate to the best of my knowledge.



Reviewed and Approved by:

Michael McGuire
Electrical Engineer
mike@h2dc.com

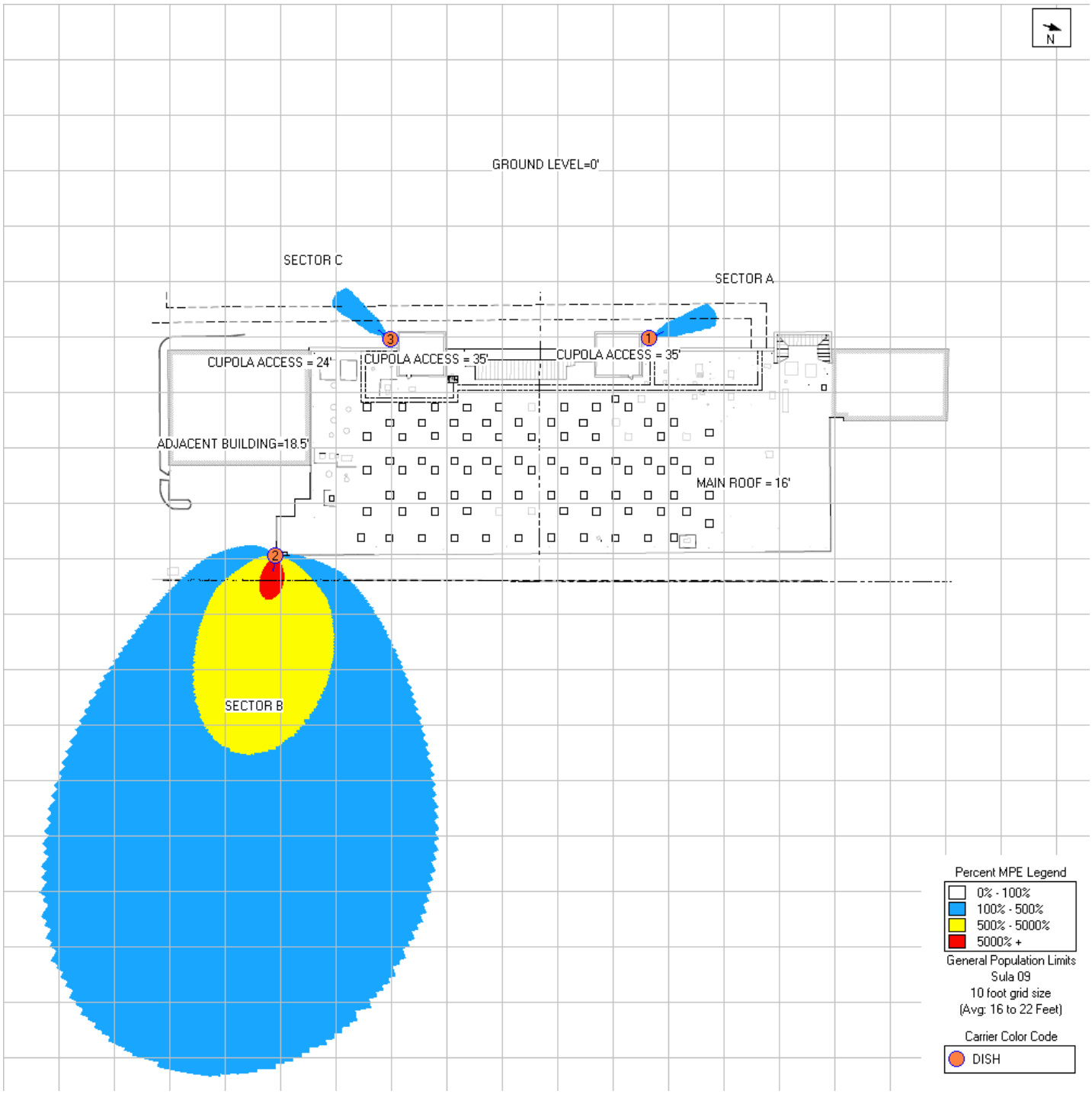
Note that EBI's scope of work is limited to an evaluation of the Radio Frequency – Electromagnetic Energy (RF-EME) field generated by the antennas and broadcast equipment noted in this report. The engineering and design of the building and related structures, as well as the impact of the antennas and broadcast equipment on the structural integrity of the building, are specifically excluded from EBI's scope of work.

Appendix B

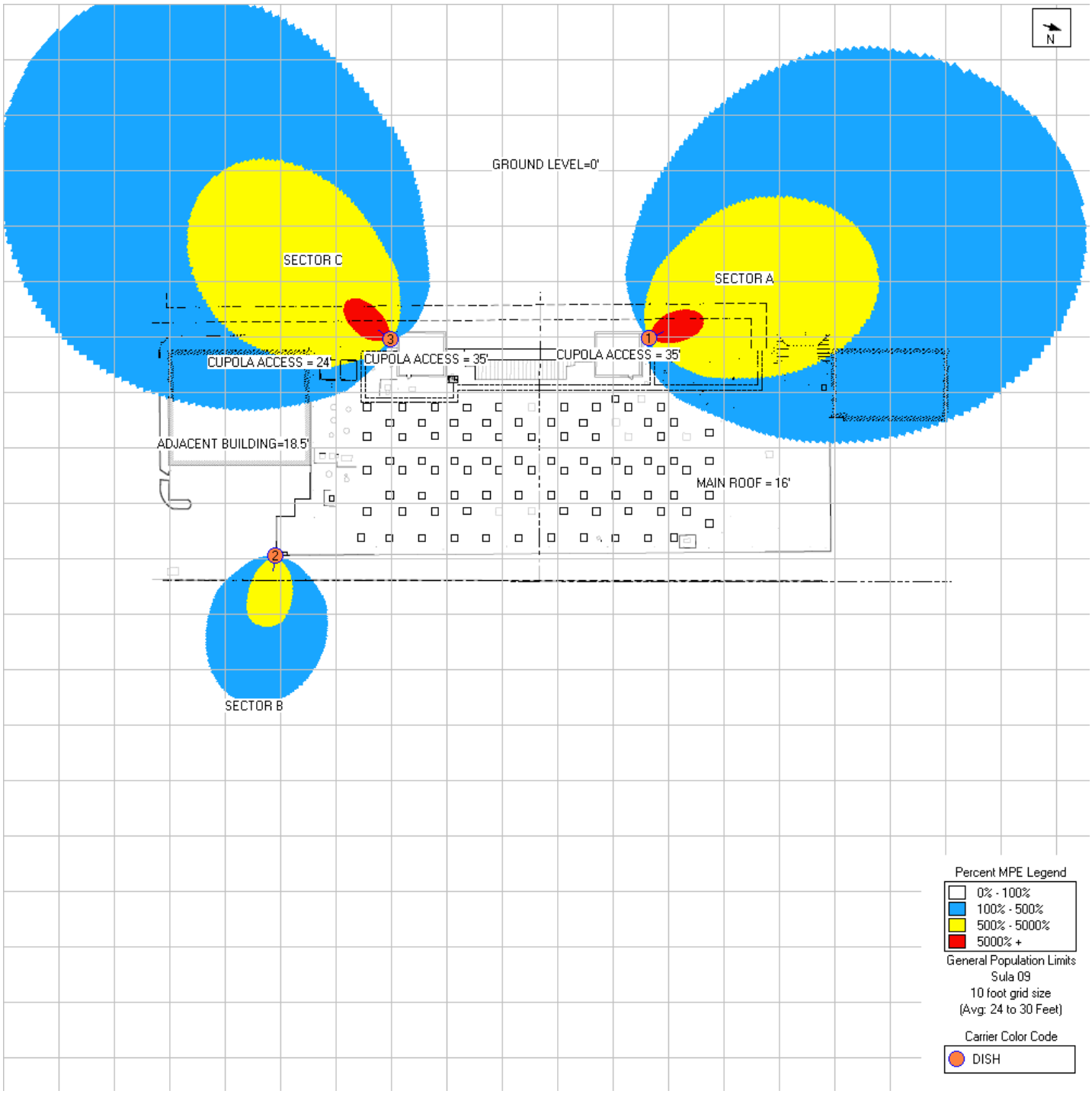
Radio Frequency Electromagnetic Energy

Safety Information and Signage Plans

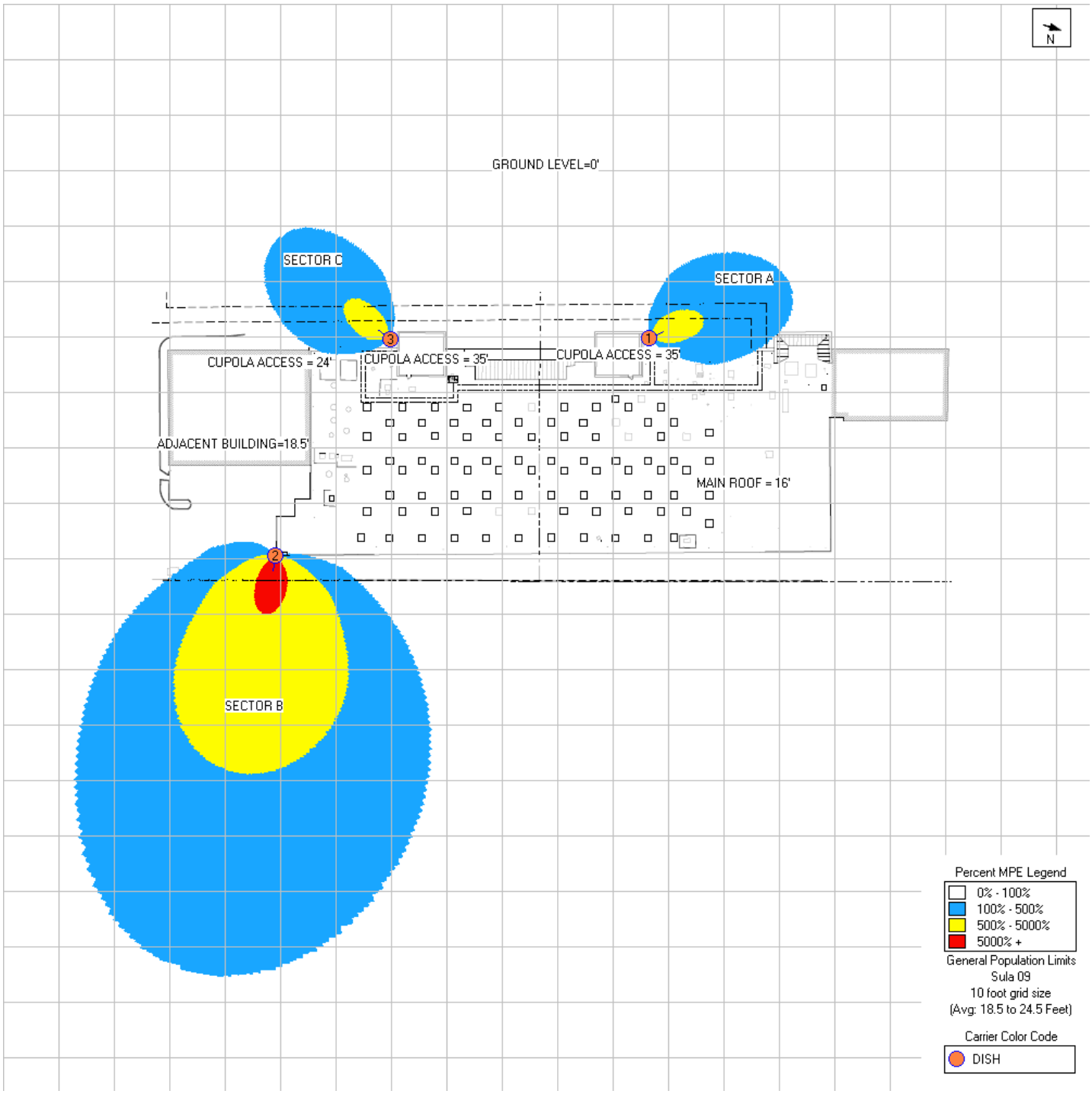
Nearest Walking Surface (Main Roof Level) Simulation



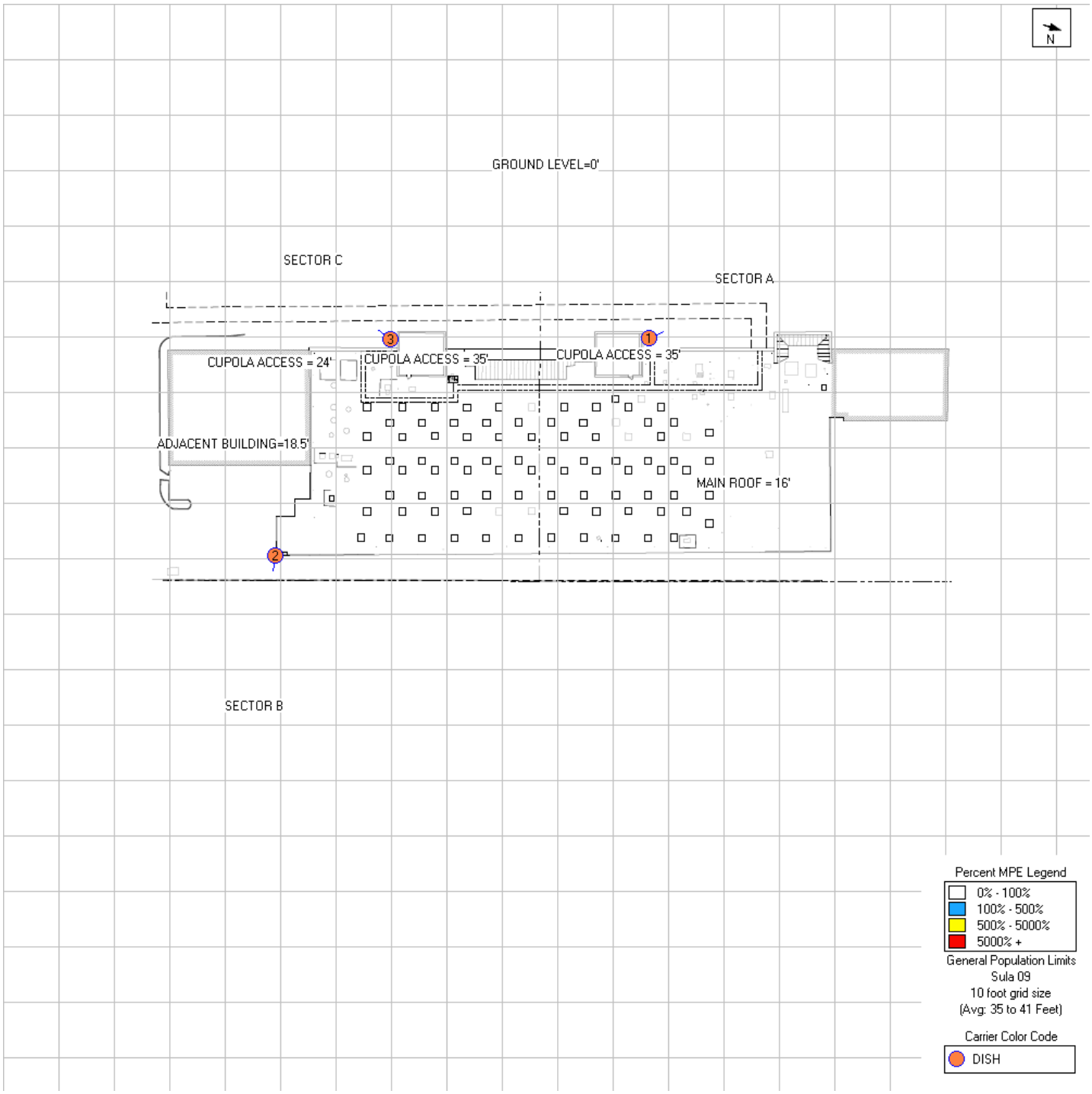
Cupola Access Level (24') Simulation



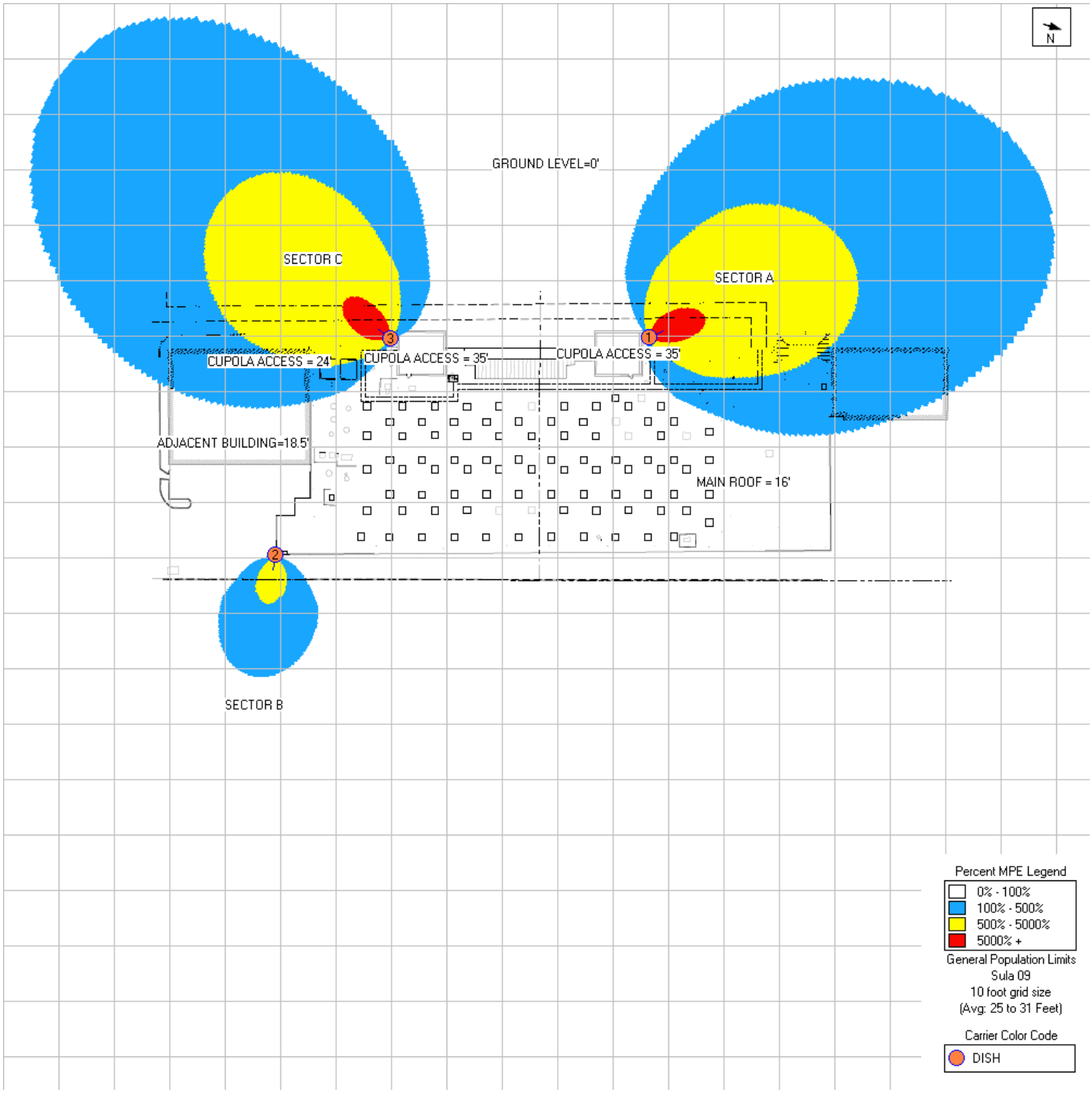
Adjacent Building Cupola Roof Level (18.5' AGL) Simulation



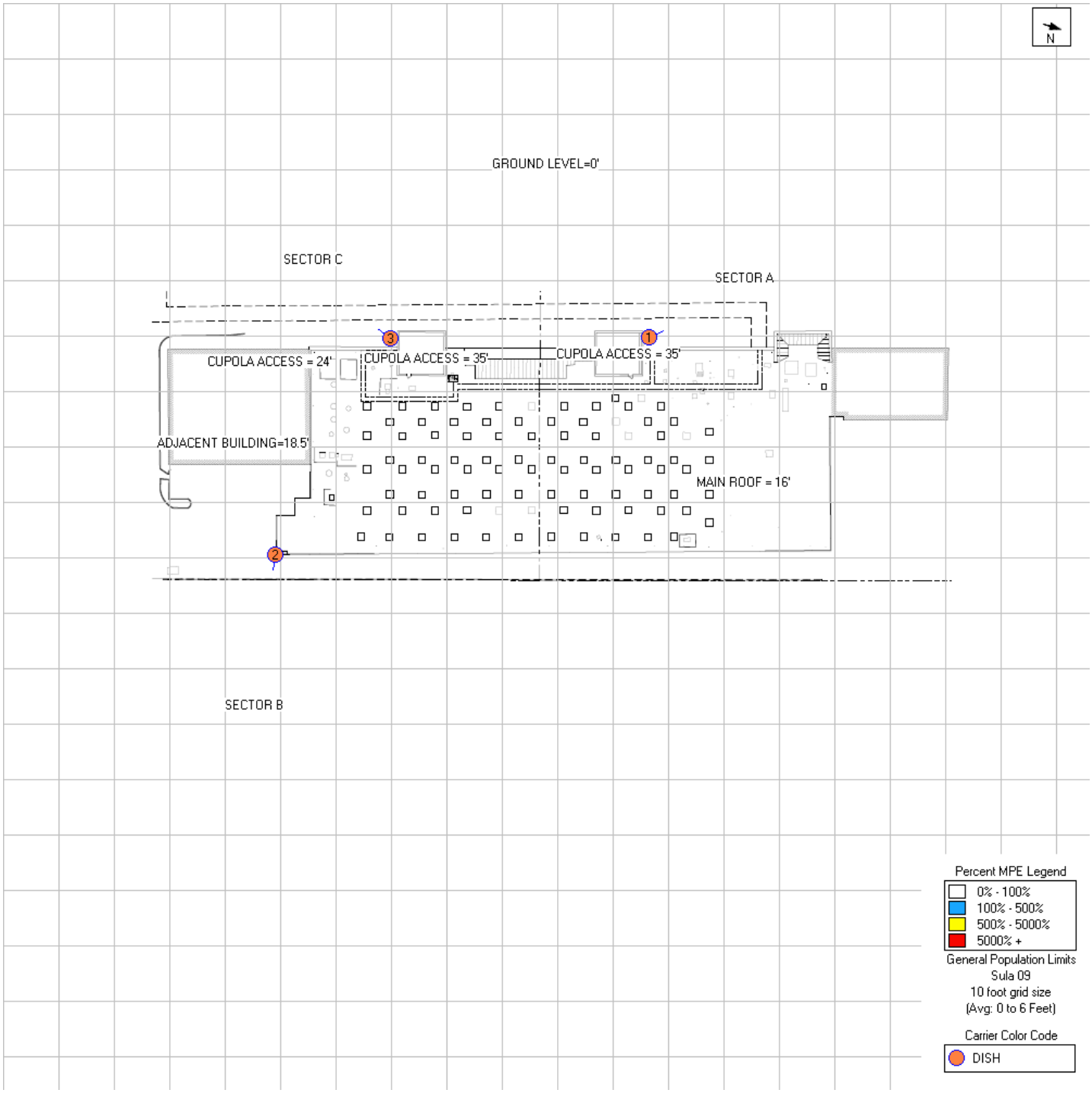
Cupola Roof Level Simulation



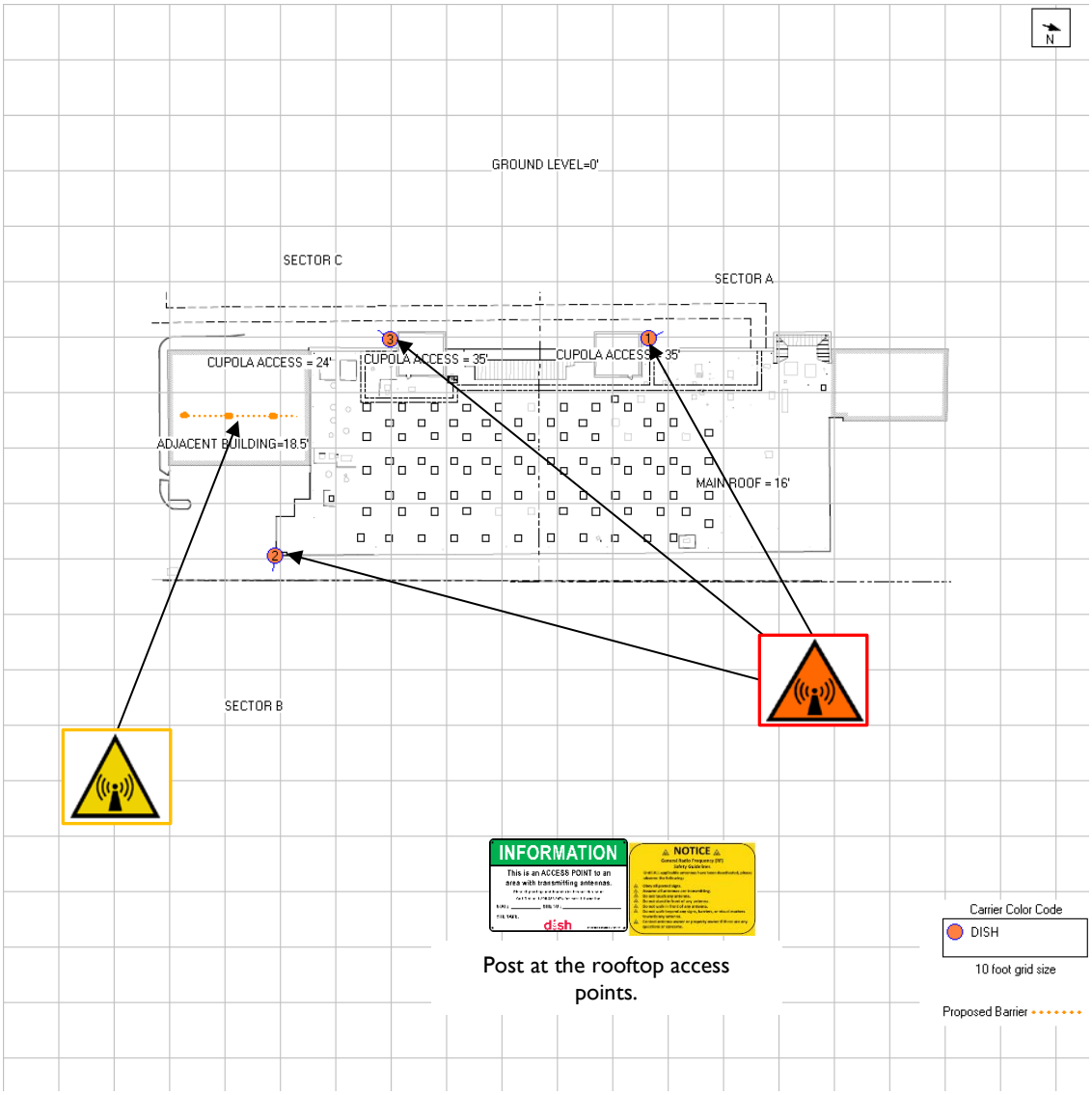
Antenna Face Level Simulation



Ground Level Simulation



Dish Wireless Safety (Signage) Plan



Post at the rooftop access points.

Sign	Posting Instructions	Required Signage / Mitigation
	**NOC Information** Information signs are used to provide contact information for any questions or concerns for personnel accessing the site.	Securely post at the main rooftop access door and every point of access to the site in a manner conspicuous to all individuals entering thereon as indicated in the signage plan.
	**Guidelines** Informational sign used to notify workers that there are active antennas installed and provide guidelines for working in RF environments.	Securely post at the main rooftop access door and every point of access to the site in a manner conspicuous to all individuals entering thereon as indicated in the signage plan.
	**Notice** Used to notify individuals they are entering an area where the power density emitted from transmitting antennas may exceed the FCC's MPE limit for the general public or occupational exposures.	Signage not required.
	**Caution** Used to notify individuals that they are entering a hot spot where either the general public or occupational FCC's MPE limit is or could be exceeded.	Securely post every eight feet on the barriers near each Dish Wireless Sector.
	**Warning** Used to notify individuals that they are entering a hot zone where the occupational FCC's MPE limit has been exceeded by 10x.	Securely post on the antenna mount at each Dish Wireless Sector.

Appendix C

Federal Communications

Commission (FCC) Requirements

The FCC has established Maximum Permissible Exposure (MPE) limits for human exposure to Radiofrequency Electromagnetic (RF-EME) energy fields, based on exposure limits recommended by the National Council on Radiation Protection and Measurements (NCRP) and, over a wide range of frequencies, the exposure limits developed by the Institute of Electrical and Electronics Engineers, Inc. (IEEE) and adopted by the American National Standards Institute (ANSI) to replace the 1982 ANSI guidelines. Limits for localized absorption are based on recommendations of both ANSI/IEEE and NCRP.

The FCC guidelines incorporate two separate tiers of exposure limits that are based upon occupational/controlled exposure limits (for workers) and general public/uncontrolled exposure limits for members of the general public.

Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/ controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general public/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

General public/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment-related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

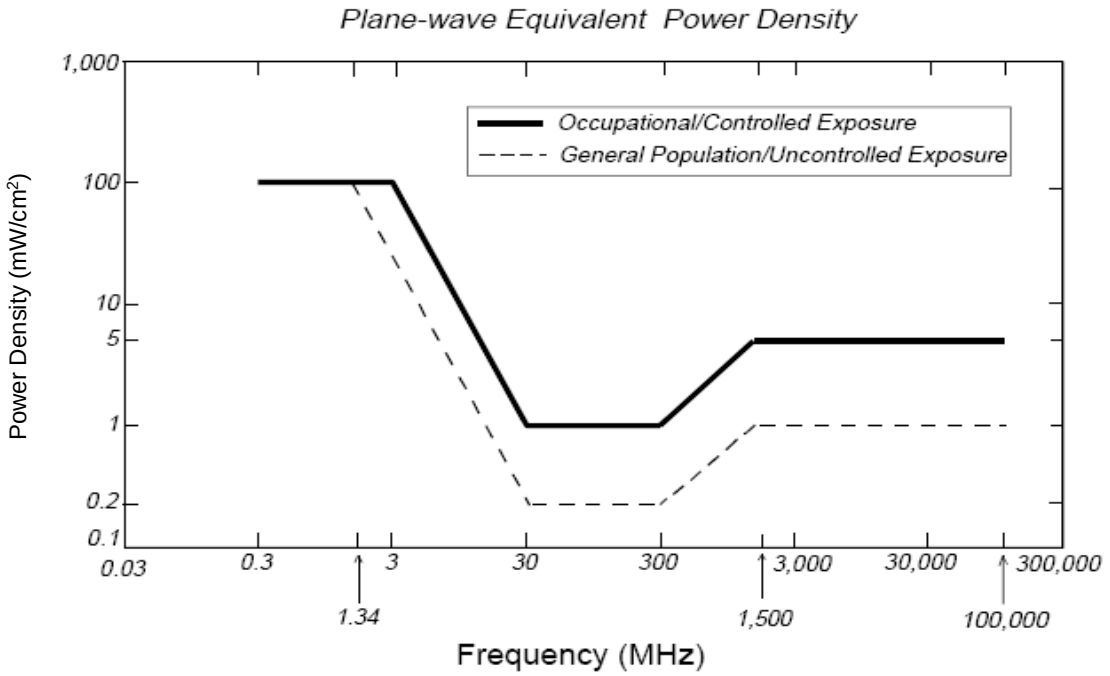
Table 1 and Figure 1 (below), which are included within the FCC's OET Bulletin 65, summarize the MPE limits for RF emissions. These limits are designed to provide a substantial margin of safety. They vary by frequency to take into account the different types of equipment that may be in operation at a particular facility and are "time-averaged" limits to reflect different durations resulting from controlled and uncontrolled exposures.

The FCC's MPEs are measured in terms of power (mW) over a unit surface area (cm^2). Known as the power density, the FCC has established an occupational MPE of 5 milliwatts per square centimeter (mW/cm^2) and an uncontrolled MPE of 1 mW/cm^2 for equipment operating in the 1900 MHz frequency range. For the Dish Wireless equipment operating at 600 MHz or 850 MHz, the FCC's occupational MPE is 2.83 mW/cm^2 and an uncontrolled MPE of 0.57 mW/cm^2. For the Dish Wireless equipment operating at 1900 MHz, the FCC's occupational MPE is 5.0 mW/cm^2 and an uncontrolled MPE limit of 1.0 mW/cm^2. These limits are considered protective of these populations.

Table 1: Limits for Maximum Permissible Exposure (MPE)				
(A) Limits for Occupational/Controlled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $[E]^2$, $[H]^2$, or S (minutes)**
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	($900/f^2$)*	6
30-300	61.4	0.163	1.0	6
300-1,500	--	--	f/300	6
1,500-100,000	--	--	5	6
(B) Limits for General Public/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (E) (V/m)**	**Magnetic Field Strength (H) (A/m)**	**Power Density (S) (mW/cm^2)**	**Averaging Time $[E]^2$, $[H]^2$, or S (minutes)**
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1,500	--	--	f/1,500	30
1,500-100,000	--	--	1.0	30

f = Frequency in (MHz)
* Plane-wave equivalent power density

Figure 1. *FCC Limits for Maximum Permissible Exposure (MPE)*



Based on the above, the most restrictive thresholds for exposures of unlimited duration to RF energy for several personal wireless services are summarized below:

Personal Wireless Service	Approximate Frequency	Occupational MPE	Public MPE
Microwave (Point-to-Point)	5,000 - 80,000 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Broadband Radio (BRS)	2,600 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Wireless Communication (WCS)	2,300 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Advanced Wireless (AWS)	2,100 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Personal Communication (PCS)	1,950 MHz	5.00 mW/cm^2	1.00 mW/cm^2
Cellular Telephone	870 MHz	2.90 mW/cm^2	0.58 mW/cm^2
Specialized Mobile Radio (SMR)	855 MHz	2.85 mW/cm^2	0.57 mW/cm^2
Long Term Evolution (LTE)	700 MHz	2.33 mW/cm^2	0.47 mW/cm^2
Most Restrictive Frequency Range	30-300 MHz	1.00 mW/cm^2	0.20 mW/cm^2

MPE limits are designed to provide a substantial margin of safety. These limits apply for continuous exposures and are intended to provide a prudent margin of safety for all persons, regardless of age, gender, size, or health.

Personal Communication (PCS) facilities used by Dish Wireless in this area will potentially operate within a frequency range of 600 to 2100 MHz. Facilities typically consist of: 1) electronic transceivers (the radios or cabinets) connected to wired telephone lines; and 2) antennas that send the wireless signals created by the transceivers to be received by individual subscriber units (PCS telephones). Transceivers are typically connected to antennas by coaxial cables.

Because of the short wavelength of PCS services, the antennas require line-of-site paths for good propagation, and are typically installed above ground level. Antennas are constructed to concentrate energy towards the horizon, with as little energy as possible scattered towards the ground or the sky. This design, combined with the low power of PCS facilities, generally results in no possibility for exposure to approach Maximum Permissible Exposure (MPE) levels, with the exception of areas directly in front of the antennas.

FCC Compliance Requirement

A site is considered out of compliance with FCC regulations if there are areas that exceed the FCC exposure limits and there are no RF hazard mitigation measures in place. Any carrier which has an installation that contributes more than 5% of the applicable MPE must participate in mitigating these RF hazards.