

**CITY OF EL PASO, TEXAS**  
**AGENDA ITEM**  
**DEPARTMENT HEAD'S SUMMARY FORM**  
**(REVISED)**

**AGENDA DATE:** November 9, 2021  
**PUBLIC HEARING DATE:** December 7, 2021

**CONTACT PERSON(S) NAME AND PHONE NUMBER:** Philip F. Etiwe, (915) 212-1553  
Andrew Salloum, (915) 212-1603

**DISTRICT(S) AFFECTED:** District 6

**STRATEGIC GOAL:** #3 Promote the Visual Image of El Paso

**SUBGOAL:** 3.1 Provide business friendly permitting and inspection processes  
3.2 Improve the visual impression of the community

**SUBJECT:**

An Ordinance granting Special Permit NO. PZST21-00012, to allow for a television and radio broadcasting antennae on the property described as a portion of Lot 1, Block 2, Pellicano Commercial Unit Three, 12285 Pellicano Drive, City of El Paso, El Paso County, Texas, pursuant to Section 20.10.700 of the El Paso City Code. The penalty being as provided in Chapter 20.24 of the El Paso City Code.

The proposed special permit meets the intent of the Future Land Use designation for the property and is in accordance with *Plan El Paso*, the City's Comprehensive Plan.

Subject Property: 12285 Pellicano Drive  
Applicant: Montoya Oak Business Park, LP  
PZST21-00012

**BACKGROUND / DISCUSSION:**

The applicant is requesting a special permit to allow for the placement of one ground-mounted and one roof-mounted television-broadcasting receiving antenna in a C-4 (Commercial) zone district as required by El Paso City Code Section 20.10.700 TV and radio broadcasting antennae. **The City Plan Commission recommended 9-0 to approve the proposed special permit on November 4, 2021. As of November 24, 2021, the Planning Division did not receive any communication support or opposition to the special permit request.** See attached staff report for additional information.

**PRIOR COUNCIL ACTION:**

N/A

**AMOUNT AND SOURCE OF FUNDING:**

N/A

**HAVE ALL AFFECTED DEPARTMENTS BEEN NOTIFIED?**  YES  NO

**PRIMARY DEPARTMENT:** Planning & Inspections, Planning Division

**SECONDARY DEPARTMENT:** N/A

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\*\*\*\*\*REQUIRED AUTHORIZATION\*\*\*\*\*

**DEPARTMENT HEAD:**

*Philip Etiwe*

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**Philip F. Etiwe – Planning and Inspections Director**

ORDINANCE NO. \_\_\_\_\_

**AN ORDINANCE GRANTING SPECIAL PERMIT NO. PZST21-00012, TO ALLOW FOR A TELEVISION AND RADIO BROADCASTING ANTENNAE ON THE PROPERTY DESCRIBED AS A PORTION OF LOT 1, BLOCK 2, PELLICANO COMMERCIAL UNIT THREE, 12285 PELLICANO DRIVE, CITY OF EL PASO, EL PASO COUNTY, TEXAS, PURSUANT TO SECTION 20.10.700 OF THE EL PASO CITY CODE. THE PENALTY BEING AS PROVIDED IN CHAPTER 20.24 OF THE EL PASO CITY CODE.**

**WHEREAS, Montoya Oak Business Park, LP**, has applied for a Special Permit under Section 20.04.320 of the El Paso City Code to allow for a television and radio broadcasting antennae; and,

**WHEREAS**, the Section 20.10.700 allows for a television and radio broadcasting antennae by Special Permit; and,

**WHEREAS**, a report was made by the City Plan Commission and a public hearing was held regarding such application; and,

**WHEREAS**, the City Plan Commission has recommended approval of the subject Special Permit; and

**WHEREAS**, the subject Special Permit has been submitted to the City Council of the City of El Paso for review and approval; and

**WHEREAS**, the City Council of the City of El Paso finds that the application conforms to all requirements of Section 20.04.320 of the El Paso City Code.

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF EL PASO:**

1. That the property described as follows, is in a **C-4 (Commercial)** Zone District: *A portion of Lot 1, Block 2, Pellicano Commercial Unit Three, 12285 Pellicano Drive, City of El Paso, El Paso County, Texas*; and as more particularly described by metes and bounds on the attached Exhibit "A"; and,
2. That the City Council hereby grants a Special Permit under Section 20.04.320 of the El Paso City Code to allow for a television and radio broadcasting antennae, on the property described in Paragraph 1 of this Ordinance; and,
3. That this Special Permit is issued subject to the development standards in **C-4 (Commercial)** District regulations and is subject to the approved Detailed Site Development Plan, attached hereto as Exhibit "B", signed by the Applicant, the City Manager and the Executive Secretary to the City Plan Commission. A copy of this plan is attached hereto as Exhibit "B" and is incorporated herein by reference for all purposes; and,

ORDINANCE NO. \_\_\_\_\_

21-1007-2805 | 1125027  
Special Permit Ordinance | PZST21-00012 | 12285 Pellicano

**Special Permit No. PZST21-00012**

4. That if at any time the Applicant fails to comply with any of the requirements of this Ordinance, **Special Permit No. PZST21-00012** shall be subject to automatic termination; construction or occupancy shall be discontinued; and the Applicant shall be subject to the penalty provisions of Chapter 20.24 and the City can avail itself of any and all legal or equitable remedies provided to it under law; and,
5. That the Applicant shall sign an Agreement incorporating the requirements of this Ordinance. Such Agreement shall be signed and filed with the Zoning Administrator and the Executive Secretary to the City Plan Commission before building permits are issued.

**ADOPTED** this \_\_\_\_\_ of \_\_\_\_\_, 2021.

**THE CITY OF EL PASO:**

\_\_\_\_\_  
Oscar Leeser  
Mayor

**ATTEST:**

\_\_\_\_\_  
Laura D. Prine  
City Clerk

**APPROVED AS TO FORM:**

*Wendi N. Vineyard*  
\_\_\_\_\_  
Wendi N. Vineyard  
Assistant City Attorney

**APPROVED AS TO CONTENT:**

*Philip F. Etiwe*  
\_\_\_\_\_  
Philip F. Etiwe, Director  
Planning & Inspections Department



EXHIBIT "A"

LEGAL DESCRIPTION

BEING a tract of land situated in the O. A. Danielson Survey, Abstract No. 311, City of El Paso, El Paso County, Texas, being part of Lot 1, Block 2, Pellicano Commercial Unit Three, an addition to the City of El Paso, Texas according to the plat recorded in Volume 75, Page 15 of the Plat Recorded of El Paso, Texas, and being all of the called 6.2790 acre tract of land described in Special Warranty Deed to Montoya Oak Business Park, LP recorded in Instrument No. 20180095999 of the Official Public Records of El Paso County, Texas, and being more particularly described as follows:

BEGINNING at a point in the north right-of-way line of Pellicano Drive (120-foot wide right-of-way); from said point the southeast corner of said Lot 1, Block 2 bears North 89°57'25" East, a distance of 373.52 feet;

THENCE South 89°57'25" West, along the said north right-of-way line of Pellicano Drive, a distance of 36.00 feet to a point for corner;

THENCE departing the said north right-of-way line of Pellicano Drive, North 00°02'35" West, a distance of 181.00 feet to a point for corner;

THENCE the following three (3) calls:

- South 89°57'25" West, a distance of 63.80 feet to a point for corner;
- North 00°05'42" East, a distance of 261.14 feet to a point for corner;
- North 89°54'18" West, a distance of 190.00 feet to a point for corner in the east right-of-way line of Bob Hope Drive (90-foot wide right-of-way);

THENCE North 00°05'42" East, along the said east right-of-way line of Bob Hope Drive, a distance of 217.00 feet to a point for the northwest corner of said Lot 1, Block 2;

THENCE South 89°54'18" East, along the north line of said Lot 1, Block 2, a distance of 662.17 feet to a point for the northeast corner of said Lot 1, Block 1;

THENCE South 00°02'35" East, along the east line of said Lot 1, Block 2, a distance of 477.00 feet to a point for corner;

THENCE departing the east line of said Lot 1, Block 2, South 89°57'25" West, a distance of 373.52 feet to a point for corner;

THENCE South 00°02'35" East, a distance of 181.00 feet to the POINT OF BEGINNING and containing 6.28 acres of land, more or less.

This document was prepared under 22 Texas Administrative Code §138.95, does not reflect the results of an on the ground survey, and is not to be used to convey or established interests in real property except those rights and interests implied or established by the creation or reconfiguration of the boundary of the political subdivision for which it was prepared.

NOTES:

The bearings for this survey are based on a bearings of Lot 1, Block 2, Pellicano Commercial Unit Three, an addition to the City of El Paso, Texas according to the plat recorded in Volume 75, Page 15 of the Plat Recorded of El Paso, Texas.

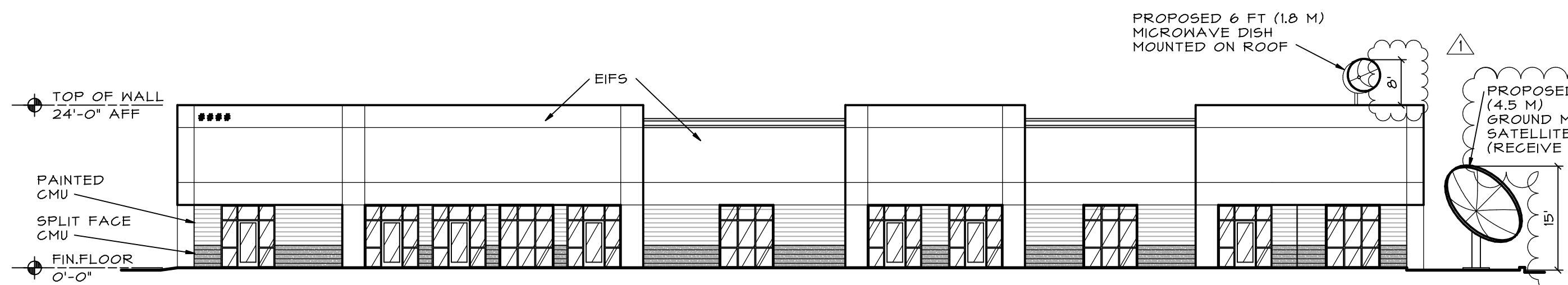
*M.C.B. 10/28/21*  
 MICHAEL C. BILLINGSLEY  
 REGISTERED PROFESSIONAL  
 LAND SURVEYOR NO. 6558  
 801 CHERRY STREET,  
 UNIT 11 SUITE 1300  
 FORT WORTH, TEXAS 76102  
 PH. 817-335-6511  
 michael.billingsley@kimley-horn.com



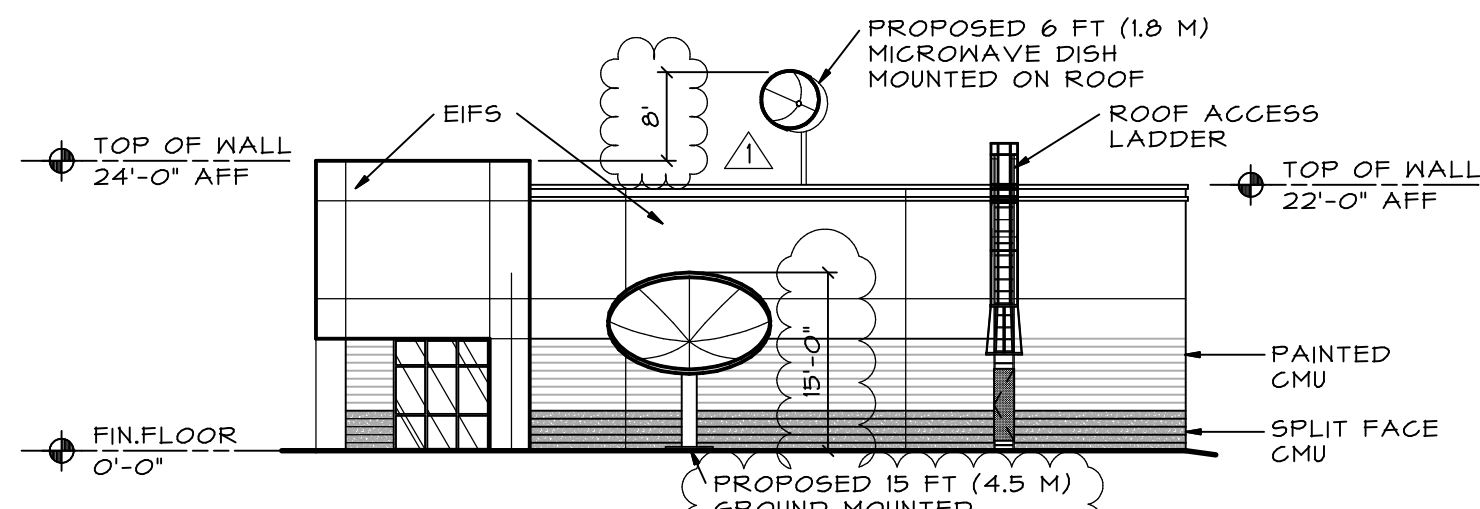
ZONING EXHIBIT  
 PART OF LOT 1, BLOCK 2,  
 PELLICANO COMMERCIAL UNIT THREE  
 O. A. DANIELSON SURVEY, ABSTRACT NO. 311  
 CITY OF EL PASO, EL PASO COUNTY, TEXAS

**Kimley»Horn**  
 801 Cherry Street, Unit 11, # 1300 Fort Worth, Texas 76102 FIRM # 10194040 Tel. No. (817) 335-6511 www.kimley-horn.com

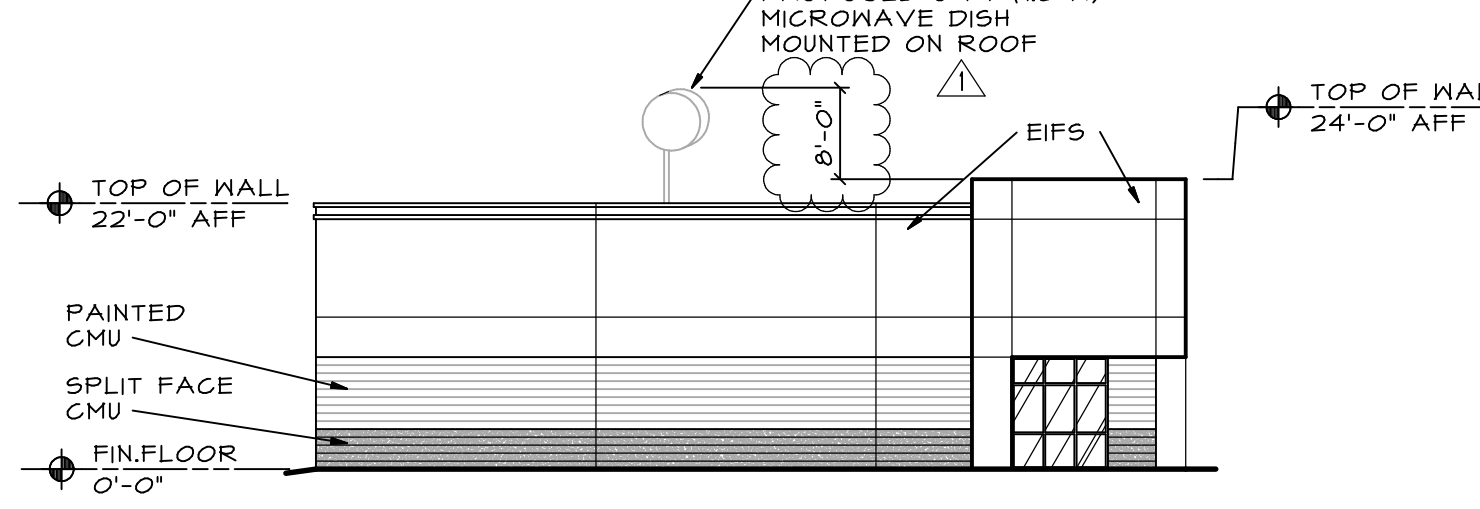
Scale	Drawn by	Checked by	Date	Project No.	Sheet No.
N/A	JBH	MCB	10/28/2021	064555900	1 OF 1



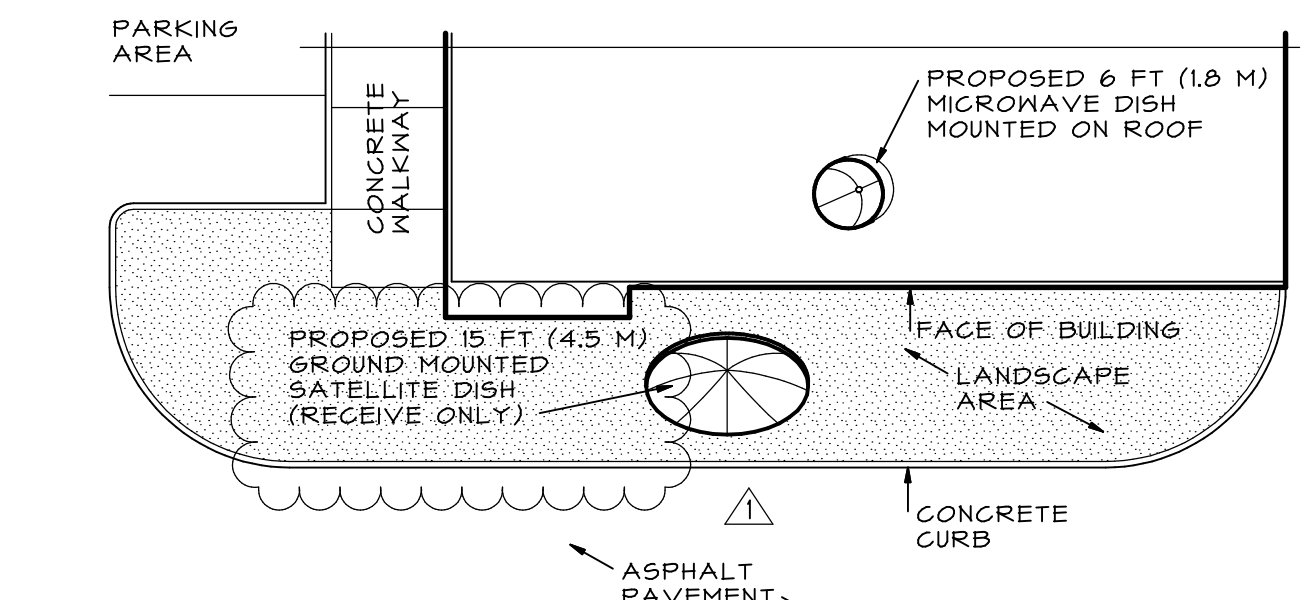
4 A.I.O. BUILDING 'C' FRONT ELEVATION (WEST) N.T.S.



3 A.I.O. BUILDING 'C' SIDE ELEVATION (SOUTH) N.T.S.



2 A.I.O. BUILDING 'C' SIDE ELEVATION (NORTH) N.T.S.



1 A.I.O. BUILDING 'C' PARTIAL PLAN N.T.S.



5 A.I.O. EXISTING BUILDING 'A' N.T.S.

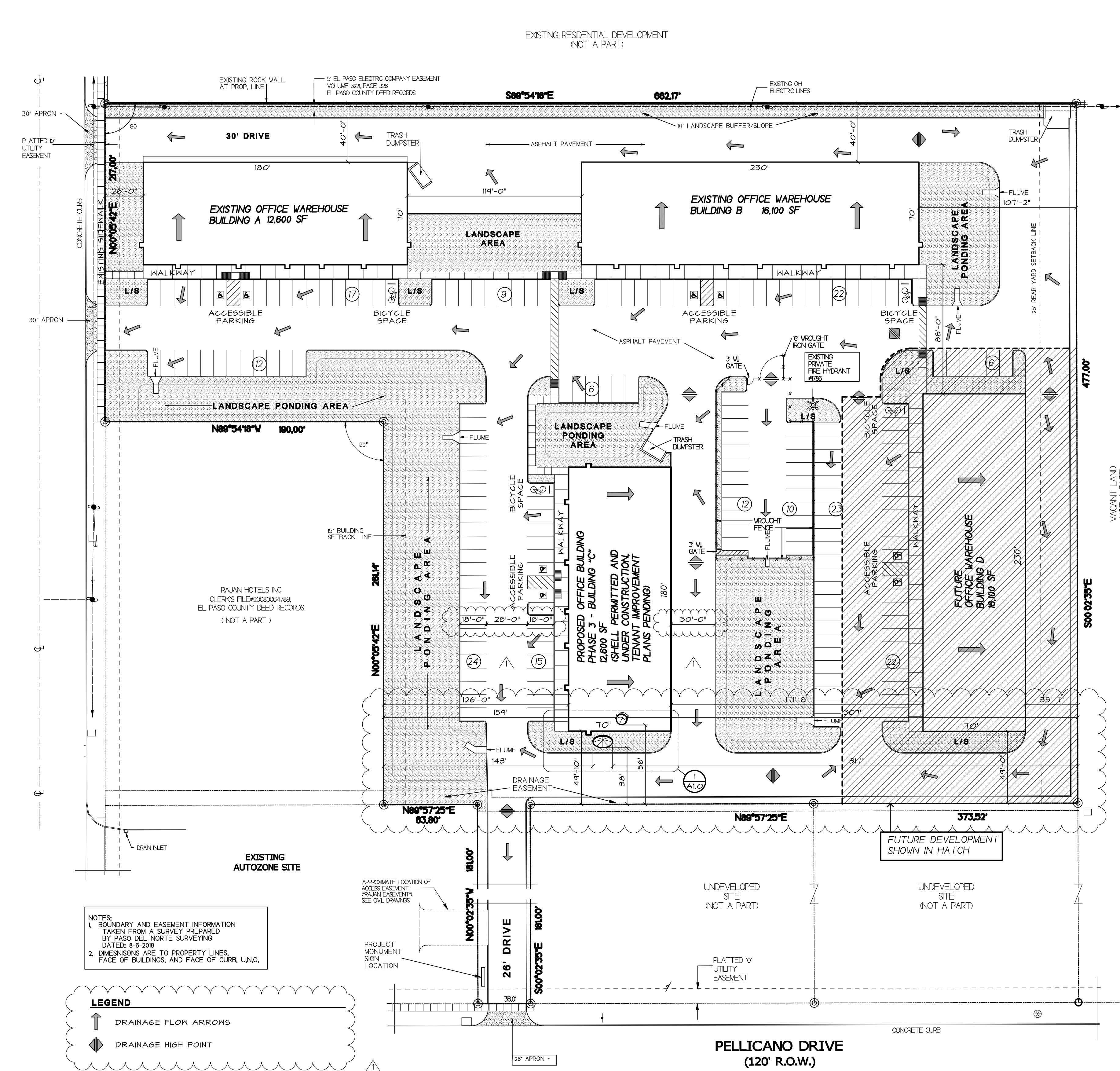


6 A.I.O. EXISTING BUILDING 'B' N.T.S.

EXHIBIT "B"

NOTE: SATELLITE LOCATION SHOWN IS APPROXIMATE. FINAL WILL BE FIELD COORDINATED.

N.T.S.



- LEGEND**
- ↑ DRAINAGE FLOW ARROWS
  - ◊ DRAINAGE HIGH POINT

SITE PLAN

1" = 40'-0"

**SITE SUMMARY**

LEGAL DESCRIPTION:  
2 PELLICANO COMMERCIAL #3 (EXC SWLY & SELY PT'S)  
CITY OF EL PASO, EL PASO COUNTY, TEXAS

ZONING = C4 - NO SPECIAL CONTRACT

DEVELOPMENT AREA = 273,513 SF, 6.271 AC +/-

FRONTAGE DISTANCE = 211 FT. ALONG BOB HOPE

FRONTAGE DISTANCE = 36.0 FT. ALONG PELLICANO

SETBACKS (BASED ON C4 ZONING):  
FRONT YARD = 0  
SIDE YARD = 5  
SIDE YARD W/ SIDE STREET = 10 FEET  
REAR YARD = 25 FEET

PARKING:  
MASTER PLAN, SHELL BUILDINGS "A", "B", "C", & "D"  
TOTAL BUILDING: 57,400 GSF  
ASSUME 25% OFFICE & 75% WAREHOUSE  
OFFICE AREA = 57,400 X 25% = 14,350 GSF  
WAREHOUSE AREA = 57,400 X 75% = 43,050 GSF

MIN. PARKING: OFFICE @ 1/480 = 30 SPACES  
WAREHOUSE @ 1/480 = 40 SPACES  
TOTAL ON-SITE PARKING REQUIRED = 120 SPACES

MAX. PARKING: OFFICE @ 1/400 = 36 SPACES  
WAREHOUSE @ 1/400 = 108 SPACES  
TOTAL MAXIMUM ON-SITE PARKING = 144 SPACES

PARKING PROVIDED:  
178 STANDARD SPACES INCLUDING  
8 ACCESSIBLE SPACES

BICYCLE PARKING: 4 BIKE RACKS PROVIDED

LANDSCAPE:  
REQUIRED LANDSCAPE = 273,513 S.F. - 57,400 S.F. X 15% = 32,400 S.F.  
LANDSCAPE PROVIDED = +/- 60,300 S.F.

PLANNING & INSPECTIONS DEPARTMENT  
PLANNING DIVISION  
DETAILED SITE DEVELOPMENT PLAN  
APPROVED BY CITY COUNCIL

DATE \_\_\_\_\_

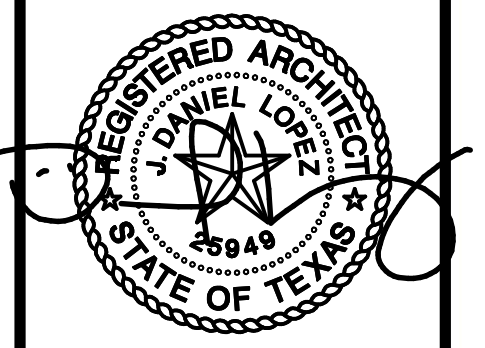
APPLICANT \_\_\_\_\_

EXECUTIVE SECRETARY, CITY PLAN COMMISSION \_\_\_\_\_

CITY MANAGER \_\_\_\_\_



**tectonic**  
Tectonic Architecture LLC  
118 Mesa Park Ste. 100  
El Paso, Texas 79912  
915.472.8995  
daniel@tectonicarch.com



9/22/2021

DETAIL SITE DEVELOPMENT PLAN  
**NORTHERN VIEW BUSINESS PARK**  
12285 PELLICANO DR.  
EL PASO, TEXAS 79936

REVISIONS  
PLAN REVIEW COMMENTS, 9/22/2021

AUGUST 2021

DETAILED SITE DEVELOPMENT PLAN

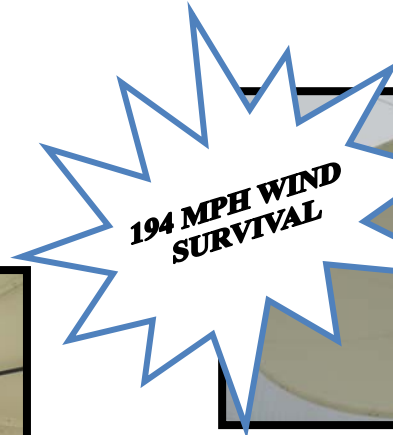
**A1.0R**  
REVISION #1

# The "DH Gibraltar Mount" Series

Fixed or Dual Powered Available

3.0m, 3.7m, 3.8m, 4.2m, 4.5m and 5.0m one piece or sectional antenna spec

Aperture Efficiency at Ku band - 67%



### DUAL POWERED GIBRALTER

- 0-90° Motorized Elevation With Adjustment
- 200°+ Motorized Azimuth Travel
- 36 Volt DC Motors

### GIBRALTER MOUNT SERIES

- 15" Reinforced Base
- 60" Back Ring
- 8 Back Braces
- 24"x24"x1/2" Base Plate

Specifications	3.0m	3.7m	3.8m	4.2m	4.5m	5.0m
Antenna Sections	4	4/Optional 8	4	8	8	8
C Band Gain @ 4 Gig	40.6 db	42.3 db	42.5 db	43.5 db	43.9 db	44.3 db
Ku Band Gain @ 12 Gig	49.9 db	51.1 db	51.8 db	53.0 db	53.3 db	54.2 db
Aluminum Thickness	.085	.085	.090	.110	.110	.110
f/d Ratio	.3	.4	.378	.34	.33	.3
Wind Force at 60° at 90 MPH	3,020 lbs	4,200 lbs	4,600 lbs	5,975 lbs	6,600 lbs	7,800 lbs
First Side Lobe (E-Plane)	1.2°	2.4°	2.3°	2.1°	1.95°	1.1°
All Side Lobes	-26 db	-22 db	-22 db	-22 db	-22 db	-22 db
3db Beam Width (E-Plane)	0.5°	1.4°	1.4°	1.2°	1.2°	0.9°
F/L	36"	57.6"	57.6"	57.6"	57.6"	57.6"
Antenna Weight (One Piece)	102 lbs	180 lbs	198 lbs	241 lbs	277 lbs	315 lbs
Antenna Weight (Sectional)	110 lbs	4pc-165 lbs 8pc- 192 lbs	214 lbs	281 lbs	317 lbs	355 lbs
Crate Dims w/Antenna Approximate Weight	62"x40"x66" 254 lbs	76"x36"x78" 4pc-348 lbs 77"x47"x58" 8pc-500 lbs	79"x36"x81" 464 lbs	91"x38"x64" 544 lbs	92"x54"x67" 688 lbs	99"x52"x72" 741 lbs
Dual Pow Mt Weight	1,230 lbs	1,230 lbs	1,230 lbs	1,230 lbs	1,230 lbs	1,230 lbs
Fixed Gib Mt Weight	752 lbs	752 lbs	752 lbs	752 lbs	752 lbs	752 lbs
Pallet Dims w/Dual Pow Mt	64"x74"x58"	64"x74"x58"	64"x74"x58"	64"x74"x58"	64"x74"x58"	64"x74"x58"
Pallet Weight w/Dual Pow Mt	1,266 lbs	1,266 lbs	1,266 lbs	1,266 lbs	1,266 lbs	1,266 lbs
Pallet Dims w/Fixed Gib Mt	64"x74"x61"	64"x74"x61"	64"x74"x61"	64"x74"x61"	64"x74"x61"	64"x74"x61"
Pallet Weight w/Fixed Gib Mt	888 lbs	888 lbs	888 lbs	888 lbs	888 lbs	888 lbs

\*Antenna sizes are nominal. \*Custom crating available. \*Dimensions & weights are approximate.

### OPTIONAL:

- Hot Dip Galvanizing
- Non-Penetrating Roof Mount
- Electronics, Feedhorns, LNBS, Cabling
- Half/Full Dish De-icing
- Template Kits



Satellite

600 N. Marquette Rd.  
Prairie du Chien, WI 53821

[dhsat@mhtc.net](mailto:dhsat@mhtc.net) [www.DHSatellite.com](http://www.DHSatellite.com)



Crating available for domestic or ISPM 15 international

### Sectional Antenna Rib Specifications

3.0m, 3.7m, 3.8m: 8 Ribs

4.2m, 4.5m, 5.0m: 16 Ribs

With today's innovative technology, DH is able to take our larger; one piece, spun aluminum antenna and cut them into sections. This allows for ease of handling, installation and shipping.

Made In The  
**USA**

Ph (608)-326-8406

1-800-627-9443

Fx (608)-326-4233



# Satellite

600 N Marquette Rd.  
Prairie du Chien, WI 53821  
PH: 1-608-326-8406

# DH Test Data

Tested with A1 Turbo S2

103  
3220  
4.2m  
DH Ant

## Proof of Performance

Filename : 42NO3220.103H      FieldGuide: North American V 1.99  
 Date: 09/05/2012                Software: 1.19  
 Time: 16:51:39                    Model: TURBO S2  
 Location:                            Serial: 1674529  
 Technician:                        LNB Model: LO=5.150 3.4-4.2  
 Notes:                                Region: NE Continental US  
 Level: dBm                         Switch: None

### Satellite: 103.0 West / AMC1

Tran	Dnlink MHz	Freq MHz	Error MHz Pol	Mod Type	Code Rate	Symbol Rate	Level dbm	IRD SiqQ	C/N db	Eb/No dB	Es/No dB	Lock Status	LNB Volts	LNB mA
B2A1	3760.040	1389.960	-0.035	Err DvbS2	8-3/4I	29999	-28.9	99	15.0	14.5	16.3	LOCK	17.9	210
5 ID	3800.080	1349.920	-0.010	Err DC2	7/8	29270	-27.1	99	14.9	14.4	16.2	LOCK	17.9	210
7	3840.000	1310.000	-0.086	Err Dvb-S	3/4	26681	-27.4	100	15.5	15.0	16.8	LOCK	17.9	210
7	3840.080	1309.920	0.015	Err Dvb-S	3/4	26681	-27.3	100	15.5	15.0	16.8	LOCK	17.9	210
10	3906.576	1243.424	0.014	Err Dvb-S	3/4	6510	-32.2	96	13.4	12.9	14.7	LOCK	17.9	210
11	3915.072	1234.928	0.015	Err Dvb-S	2/3	4410	-32.6	96	13.5	13.0	14.8	LOCK	17.9	210
10	3920.224	1229.776	0.014	Err Dvb-S	5/6	3140	-34.3	91	12.0	11.5	13.3	LOCK	17.9	210
10	3924.224	1225.776	-0.010	Err Dvb-S	5/6	2734	-35.3	95	12.7	12.2	14.0	LOCK	17.9	210
B2B1	3927.508	1222.492	-0.059	Err DvbS2	Q-3/4	2450	-40.3	95	12.8	12.3	14.1	LOCK	17.9	210
K1A1	3960.052	1189.948	-0.007	Err DvbS2	8-5/6	30000	-27.7	99	15.0	14.5	16.3	LOCK	17.9	210
15	4040.068	1109.932	0.015	Err Dvb-S	3/4	26681	-25.4	101	15.9	15.4	17.2	LOCK	17.9	210
17	4040.000	1110.000	-0.073	Err Dvb-S	3/4	26681	-25.3	101	15.8	15.3	17.1	LOCK	17.9	210
G1A1	4073.568	1076.432	0.000	Err Dvb-S		3000	-33.1		0.0			Unlock	17.9	210
19	4081.068	1068.932	0.015	Err Dvb-S	3/4	7230	-31.6	97	13.9	13.4	15.2	LOCK	17.9	210
B	4089.952	1060.048	-0.006	Err DvbS2	8-2/3	5923	-33.7	99	15.3	14.8	16.6	LOCK	17.9	210
21	4120.000	1030.000	-0.056	Err DvbS2	8-3/4I	30000	-26.8	99	14.9	14.4	16.2	LOCK	17.9	210
21	4120.044	1029.956	-0.013	Err DvbS2	8-3/4I	30000	-26.7	99	14.9	14.4	16.2	LOCK	17.9	210

## Proof of Performance

Filename : 42NO3220.103V      FieldGuide: North American V 1.99  
 Date: 09/05/2012                Software: 1.19  
 Time: 16:51:39                    Model: TURBO S2  
 Location:                            Serial: 1674529  
 Technician:                        LNB Model: LO=5.150 3.4-4.2  
 Notes:                                Region: NE Continental US  
 Level: dBm                         Switch: None

### Satellite: 103.0 West / AMC1

Tran	Dnlink MHz	Freq MHz	Error MHz Pol	Mod Type	Code Rate	Symbol Rate	Level dbm	IRD SiqQ	C/N db	Eb/No dB	Es/No dB	Lock Status	LNB Volts	LNB mA
2	3740.000	1410.000	-0.097	Err Dvb-S	7/8	29270	-26.2	98	14.5	14.0	15.8	LOCK	17.9	210
2	3740.088	1409.912	0.015	Err Dvb-S	7/8	29270	-26.2	98	14.5	14.0	15.8	LOCK	17.9	210
6	3820.000	1330.000	-0.093	Err DC2	3/4	29270	-25.5	100	17.4	16.9	18.7	LOCK	17.9	210
6 ID	3820.084	1329.916	0.014	Err DC2	3/4	29270	-25.3	100	17.3	16.8	18.6	LOCK	17.9	210
8	3860.068	1289.932	-0.004	Err DvbS2	8-5/6	30000	-27.9	100	15.4	14.9	16.7	LOCK	17.9	210
B2D1	3891.044	1258.956	-0.029	Err DvbS2	8-2/3	9092	-34.8	100	15.5	15.0	16.8	LOCK	17.9	210
B2E1	3913.544	1236.456	0.000	Err Dvb-S		6400	-45.6		0.0			Unlock	17.9	210
12	3940.076	1209.924	-0.010	Err DC2	7/8	29270	-25.0	100	15.6	15.1	16.9	LOCK	17.9	210
13	3980.076	1169.924	0.015	Err Dvb-S	7/8	26666	-24.9	100	17.3	16.8	18.6	LOCK	17.9	210
18	4060.072	1089.928	0.000	Err DC2		29270	-35.6		0.0			Unlock	17.9	210
20	4091.068	1058.932	0.015	Err Dvb-S	3/4	14035	-29.9	98	14.4	13.9	15.7	LOCK	17.9	210
B2I1	4109.044	1040.956	-0.032	Err Dvb-S	3/4	14029	-31.3	96	13.5	13.0	14.8	LOCK	17.9	210
24	4196.064	953.936	0.014	Err Dvb-S	2/3	2894	-34.0	100	16.8	16.3	18.1	LOCK	17.9	210

103  
3220  
4.5m  
DH Ant

## Proof of Performance

Filename : 453220.103HMD      FieldGuide: North American V 1.99  
 Date: 09/07/2012                Software: 1.19  
 Time: 13:45:06                    Model: TURBO S2  
 Location:                            Serial: 1674529  
 Technician:                        LNB Model: LO=5.150 3.4-4.2  
 Notes:                                Region: NE Continental US  
 Level: dBm                         Switch: None

### Satellite: 103.0 West / AMC1

Tran	Dnlink MHz	Freq MHz	Error MHz Pol	Mod Type	Code Rate	Symbol Rate	Level dbm	IRD SiqQ	C/N db	Eb/No dB	Es/No dB	Lock Status	LNB Volts	LNB mA
B2A1	3760.040	1389.960	-0.037	Err DvbS2	8-3/4I	29999	-28.1	101	15.8	15.3	17.1	LOCK	17.9	210
5 ID	3800.080	1349.920	-0.011	Err DC2	7/8	29270	-26.1	100	15.5	15.0	16.8	LOCK	17.9	210
7	3840.000	1310.000	-0.087	Err Dvb-S	3/4	26681	-26.0	100	16.6	16.1	17.9	LOCK	17.9	210
7	3840.080	1309.920	0.014	Err Dvb-S	3/4	26681	-26.0	100	16.7	16.2	18.0	LOCK	17.9	210
10	3906.576	1243.424	0.015	Err Dvb-S	3/4	6510	-30.7	97	14.0	13.5	15.3	LOCK	17.9	210
11	3915.072	1234.928	0.014	Err Dvb-S	2/3	4410	-31.6	96	13.4	12.9	14.7	LOCK	17.9	210
10	3920.224	1229.776	0.015	Err Dvb-S	5/6	3140	-33.0	94	12.6	12.1	13.9	LOCK	17.9	210
10	3924.224	1225.776	-0.011	Err Dvb-S	5/6	2734	-33.6	96	13.6	13.1	14.9	LOCK	17.9	210
B2B1	3927.508	1222.492	-0.061	Err DvbS2	Q-3/4	2450	-39.1	97	14.0	13.5	15.3	LOCK	17.9	210
K1A1	3960.052	1189.948	-0.013	Err DvbS2	8-5/6	30000	-27.4	100	15.5	15.0	16.8	LOCK	17.9	210
15	4040.068	1109.932	0.014	Err Dvb-S	3/4	26681	-24.3	100	16.8	16.3	18.1	LOCK	17.9	210
17	4040.000	1110.000	-0.075	Err Dvb-S	3/4	26681	-24.3	100	16.8	16.3	18.1	LOCK	17.9	210
G1A1	4073.568	1076.432	0.000	Err Dvb-S		3000	-38.1		0.0			Unlock	17.9	210
19	4081.068	1068.932	0.014	Err Dvb-S	3/4	7230	-31.4	98	14.4	13.9	15.7	LOCK	17.9	210
B	4089.952	1060.048	-0.007	Err DvbS2	8-2/3	5923	-33.3	99	15.2	14.7	16.5	LOCK	17.9	210
21	4120.000	1030.000	-0.057	Err DvbS2	8-3/4I	30000	-25.6	100	15.6	15.1	16.9	LOCK	17.9	210
21	4120.044	1029.956	-0.012	Err DvbS2	8-3/4I	30000	-25.6	100	15.7	15.2	17.0	LOCK	17.9	210

## Proof of Performance

Filename : 453D0.103VMD      FieldGuide: North American V 1.99  
 Date: 09/07/2012                Software: 1.19  
 Time: 13:45:06                    Model: TURBO S2  
 Location:                            Serial: 1674529  
 Technician:                        LNB Model: LO=5.150 3.4-4.2  
 Notes:                                Region: NE Continental US  
 Level: dBm                         Switch: None

### Satellite: 103.0 West / AMC1

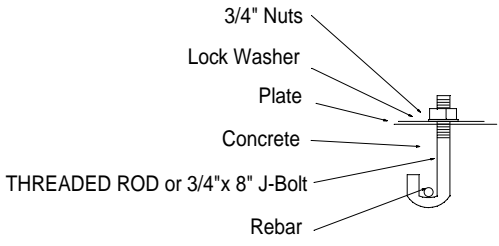
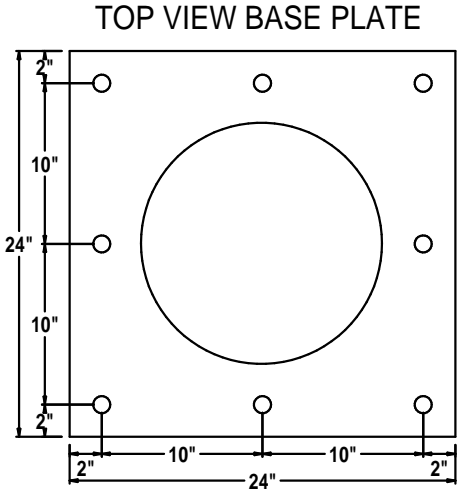
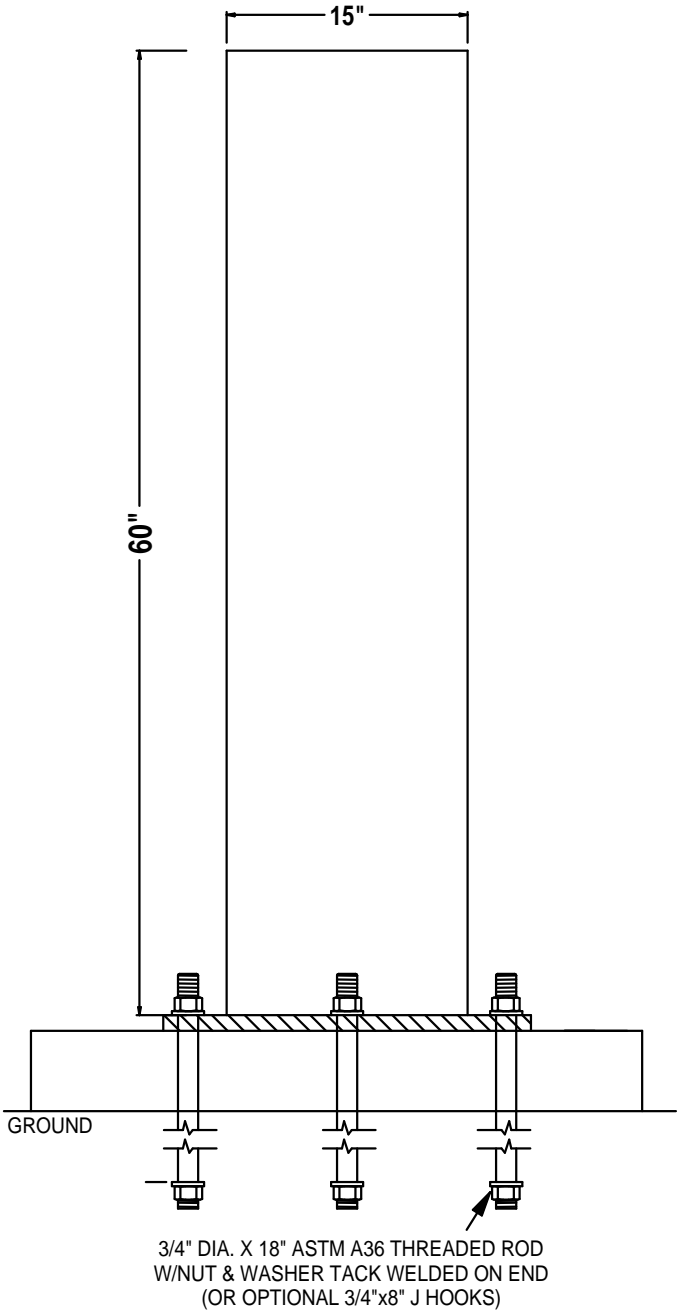
Tran	Dnlink MHz	Freq MHz	Error MHz Pol	Mod Type	Code Rate	Symbol Rate	Level dbm	IRD SiqQ	C/N db	Eb/No dB	Es/No dB	Lock Status	LNB Volts	LNB mA
2	3740.000	1410.000	-0.100	Err Dvb-S	7/8	29270	-25.4	97	14.1	13.6	15.4	LOCK	17.9	210
2	3740.088	1409.912	-0.012	Err Dvb-S	7/8	29270	-25.5	97	14.1	13.6	15.4	LOCK	17.9	210
6	3820.000	1330.000	-0.095	Err DC2	3/4	29270	-24.8	100	17.6	17.1	18.9	LOCK	17.9	210
6 ID	3820.084	1329.916	-0.012	Err DC2	3/4	29270	-24.9	100	17.6	17.1	18.9	LOCK	17.9	210
8	3860.068	1289.932	-0.013	Err DvbS2	8-5/6	30000	-27.9	100	15.7	15.2	17.0	LOCK	17.9	210
B2D1	3891.044	1258.956	-0.031	Err DvbS2	8-2/3	9092	-34.6	100	16.4	15.9	17.7	LOCK	17.9	210
B2E1	3913.544	1236.456	0.000	Err Dvb-S		6400	-33.6		0.0			Unlock	17.9	210
12	3940.076	1209.924	-0.012	Err DC2	7/8	29270	-24.5	100	15.4	14.9	16.7	LOCK	17.9	210
13	3980.076	1169.924	-0.010	Err Dvb-S	7/8	26666	-24.1	100	17.7	17.2	19.0	LOCK	17.9	210
18	4060.072	1089.928	0.000	Err DC2		29270	-34.8		0.0			Unlock	17.9	210
20	4091.068	1058.932	-0.011	Err Dvb-S	3/4	14035	-28.6	100	15.7	15.2	17.0	LOCK	17.9	210
B2I1	4109.044	1040.956	0.000	Err Dvb-S		14029	-39.3		0.0			Unlock	17.9	210
24	4196.064	953.936	0.014	Err Dvb-S	2/3	2894	-34.6	100	16.8	16.3	18.1	LOCK	17.9	210



# GIBRALTER BASE PADS

90 MPH REQUIRED FOUNDATION SIZE BASED ON SOIL CONDITION		
LATERAL SOIL BEARING= 400 PSF/FT ALLOWABLE FOUNDATION PRESSURE= 4,000 PSF		
Dish Size(in meters)	SONOTUBE DIMENSIONS	SQUARE PAD
3.0	3.5' DIA. X 4'-4" deep	3'-5" x 3'-5" x 3'-7" deep
3.7	3.5' DIA. X 4'-8" deep	4'-0" x 4'-0" x 4'-0" deep
3.8	3.5' DIA. X 5'-0" deep	4'-2" x 4'-2" x 4'-0" deep
4.2	3.5' DIA. X 5'-6" deep	4'-6" x 4'-6" x 4'-3" deep
4.5	3.5' DIA. X 5'-8" deep	4'-6" x 4'-6" x 4'-5" deep
5.0	3.5' DIA. X 6'-3" deep	5'-0" x 5'-0" x 4'-7" deep

\*IF SOIL TYPE DOES NOT MATCH SOIL TYPE DESCRIBED, THE FOUNDATION SHALL BE DESIGNED BY A QUALIFIED PROFESSIONAL ENGINEER OR BUILDING OFFICIAL\*



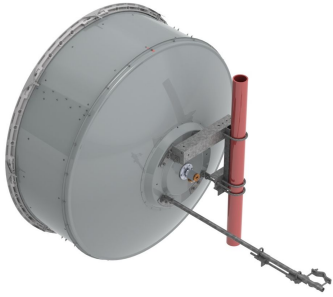
5-7 #3 REBAR USED IN FOOTINGS  
 REBAR DISTRIBUTED EVENLY IN TWO DIRECTIONS  
 CENTER OF REBAR SHOULD BE 2" ABOVE BOTTOM OF PAD  
 OUTSIDE OF BARS SHOULD BE 3" FROM EDGE OF PAD

3/4" DIA. X 18" ASTM A36 THREADED ROD  
 W/NUT & WASHER TACK WELDED ON END  
 (OR OPTIONAL 3/4"x8" J HOOKS)

DH SATELLITE  
 GIBRALTER BASE PADS  
 12-19-13  
 GIBRALTER BASE PADS

# HX6-11W

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1.8m | 6ft ValuLine® High Performance, High XPD Antenna, dual-polarized, 10.000 – 11.700 GHz

## Product Classification

**Product Type**

Microwave antenna

**Product Brand**

ValuLine®

## General Specifications

**Antenna Type**

HX - ValuLine® High Performance, High XPD Antenna, dual-polarized

**Polarization**

Dual

**Side Struts, Included**

1

**Side Struts, Optional**

1

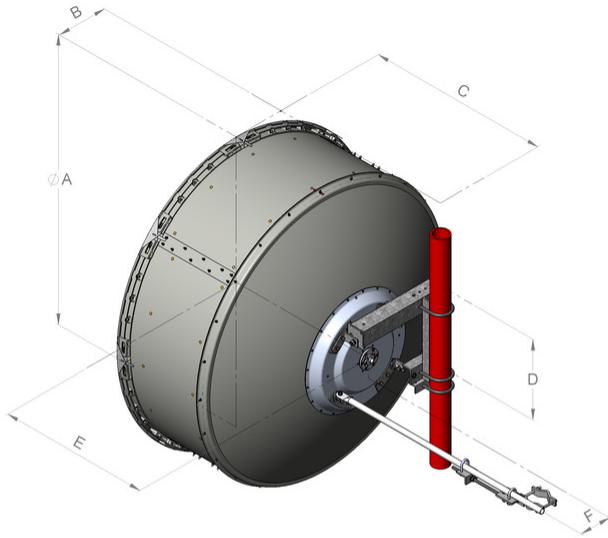
## Dimensions

**Diameter, nominal**

1.8 m | 6 ft

# HX6-11W

## Antenna Dimensions and Mounting Information



Antenna size, ft (m)	Dimensions in inches (mm)					
	A	B	C	D	E	F
6 (1.8)	74.8 (1899)	13.4 (340)	47.5 (1206)	20.9 (530)	39.4 (1001)	8.4 (214)

## Electrical Specifications

<b>Operating Frequency Band</b>	10.000 – 11.700 GHz
<b>Gain, Low Band</b>	42.9 dBi
<b>Gain, Mid Band</b>	43.6 dBi
<b>Gain, Top Band</b>	44.3 dBi
<b>Boresite Cross Polarization Discrimination (XPD)</b>	33 dB
<b>Front-to-Back Ratio</b>	76 dB
<b>Beamwidth, Horizontal</b>	1 °
<b>Beamwidth, Vertical</b>	1 °
<b>Return Loss</b>	26 dB

*Philip Tiwe*

# HX6-11W

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<b>VSWR</b>	1.1
<b>Radiation Pattern Envelope Reference (RPE)</b>	7378   7401
<b>Electrical Compliance</b>	ACMA FX03_10a   ACMA FX03_11a   Canada SRSP 310.5   Canada SRSP 310.7 Part A   Canada SRSP 310.7 Part B   ETSI 302 217 Class 3   US FCC Part 101A
<b>Cross Polarization Discrimination (XPD) Electrical Compliance</b>	ETSI EN 302217 XPD Category 2

## Mechanical Specifications

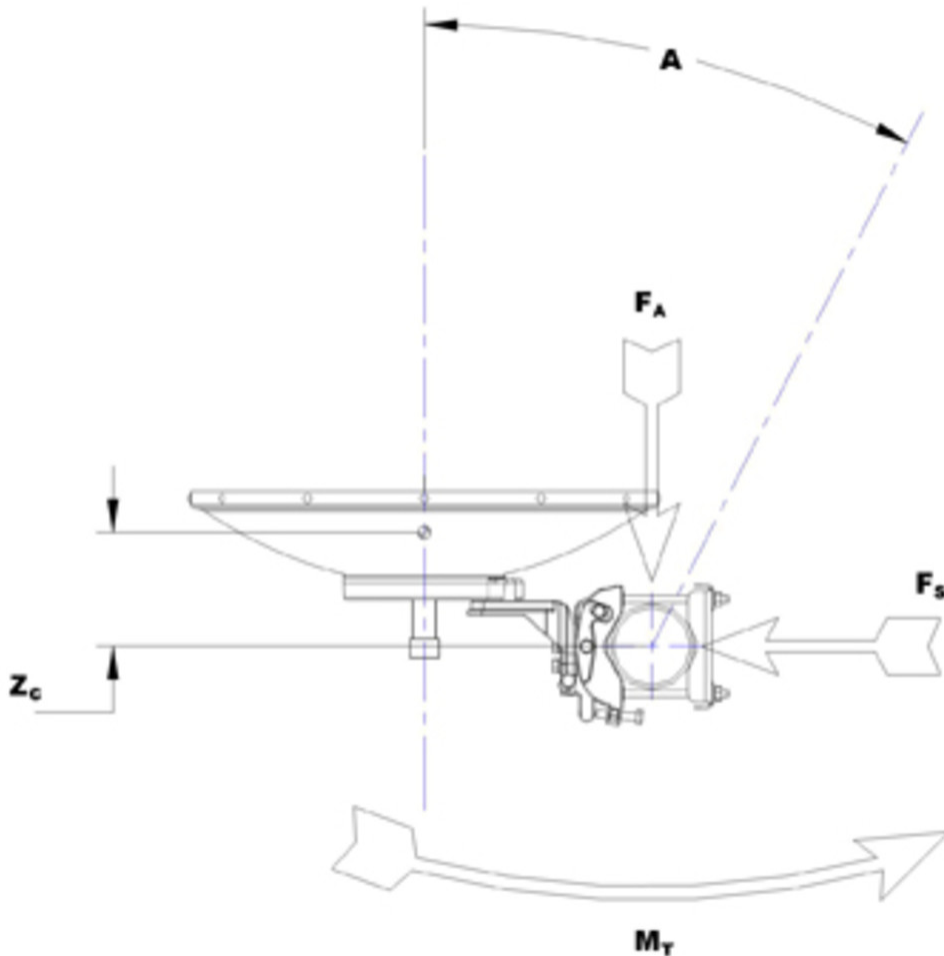
<b>Compatible Mounting Pipe Diameter</b>	115 mm–120 mm   4.5 in–4.7 in
<b>Fine Azimuth Adjustment Range</b>	±15°
<b>Fine Elevation Adjustment Range</b>	±5°
<b>Wind Speed, operational</b>	180 km/h   111.847 mph
<b>Wind Speed, survival</b>	200 km/h   124.274 mph

## Wind Forces at Wind Velocity Survival Rating

<b>Axial Force (FA)</b>	6960 N   1,564.671 lbf
<b>Angle a for MT Max</b>	-130 °
<b>Side Force (FS)</b>	1566 N   352.051 lbf
<b>Twisting Moment (MT)</b>	3923 N-m   34,721.477 in lb
<b>Force on Inboard Strut Side</b>	4075 N   916.097 lbf
<b>Zcg without Ice</b>	363 mm   14.291 in
<b>Zcg with 1/2 in (12 mm) Radial Ice</b>	541 mm   21.299 in
<b>Weight with 1/2 in (12 mm) Radial Ice</b>	237 kg   522.495 lb

# HX6-11W

## Wind Forces at Wind Velocity Survival Rating Image



## Packaging and Weights

**Weight, net**

75 kg | 165.346 lb

## Regulatory Compliance/Certifications

### Agency

ISO 9001:2015

### Classification

Designed, manufactured and/or distributed under this quality management system



## \* Footnotes

**Wind Speed, operational**

For VHLP(X), SHP(X), HX and USX antennas, the wind speed

where the maximum antenna deflection is 0.3 x the 3 dB beam width of the antenna. For other antennas, it is defined as a deflection is equal to or less than 0.1 degrees.

## **Wind Speed, survival**

The maximum wind speed the antenna, including mounts and radomes, where applicable, will withstand without permanent deformation. Realignment may be required. This wind speed is applicable to antenna with the specified amount of radial ice.

## **Operating Frequency Band**

Bands correspond with CCIR recommendations or common allocations used throughout the world. Other ranges can be accommodated on special order.

## **Gain, Mid Band**

For a given frequency band, gain is primarily a function of antenna size. The gain of Andrew antennas is determined by either gain by comparison or by computer integration of the measured antenna patterns.

## **Boresite Cross Polarization Discrimination (XPD)**

The difference between the peak of the co-polarized main beam and the maximum cross-polarized signal over an angle twice the 3 dB beamwidth of the co-polarized main beam.

## **Front-to-Back Ratio**

Denotes highest radiation relative to the main beam, at  $180^\circ \pm 40^\circ$ , across the band. Production antennas do not exceed rated values by more than 2 dB unless stated otherwise.

## **Return Loss**

The figure that indicates the proportion of radio waves incident upon the antenna that are rejected as a ratio of those that are accepted.

## **VSWR**

Maximum; is the guaranteed Peak Voltage-Standing-Wave-Ratio within the operating band.

## **Radiation Pattern Envelope Reference (RPE)**

Radiation patterns define an antenna's ability to discriminate against unwanted signals. Under still dry conditions, production antennas will not have any peak exceeding the current RPE by more than 3dB, maintaining an angular accuracy of  $\pm 1^\circ$  throughout

## **Cross Polarization Discrimination (XPD) Electrical Compliance**

The difference between the peak of the co-polarized main beam and the maximum cross-polarized signal over an angle twice the 3 dB beamwidth of the co-polarized main beam.

## **Axial Force (FA)**

Maximum forces exerted on a supporting structure as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe.

## **Side Force (FS)**

Maximum side force exerted on the mounting pipe as a

# HX6-11W

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result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe.

## **Twisting Moment (MT)**

Maximum forces exerted on a supporting structure as a result of wind from the most critical direction for this parameter. The individual maximums specified may not occur simultaneously. All forces are referenced to the mounting pipe.

# 12285 Pellicano Drive

City Plan Commission — November 4, 2021



<b>CASE NUMBER:</b>	<b>PZST21-00012</b>
<b>CASE MANAGER:</b>	Andrew Salloum, (915)212-1603, SalloumAM@elpasotexas.gov
<b>PROPERTY OWNER:</b>	Montoya Oak Business Park, LP
<b>APPLICANT:</b>	Kimley-Horn & Associates, Inc.
<b>REPRESENTATIVE:</b>	Jake Torpey
<b>LOCATION:</b>	12285 Pellicano Drive (District 6)
<b>PROPERTY AREA:</b>	6.28 acres
<b>EXISTING ZONING:</b>	C-4 (Commercial)
<b>REQUEST:</b>	Special Permit to allow for the placement of a ground and roof-mounted television-broadcasting receiving antenna in a C-4 (Commercial) zone district
<b>RELATED APPLICATIONS:</b>	None
<b>PUBLIC INPUT:</b>	None

**SUMMARY OF REQUEST:** The applicant is requesting a special permit to allow for the placement of one ground-mounted and one roof-mounted television-broadcasting receiving antenna in a C-4 (Commercial) zone district as required by El Paso City Code Section 20.10.700 TV and radio broadcasting antennae.

**SUMMARY OF STAFF RECOMMENDATION:** Staff recommends approval of the special permit for a television-broadcasting receiving antenna in C-4 (Commercial) zone district. The proposal meets all the requirements of 20.10.700 TV and radio broadcasting antennas, 20.04.320 Special Permit, and 20.04.150, Detailed Site Development Plan.

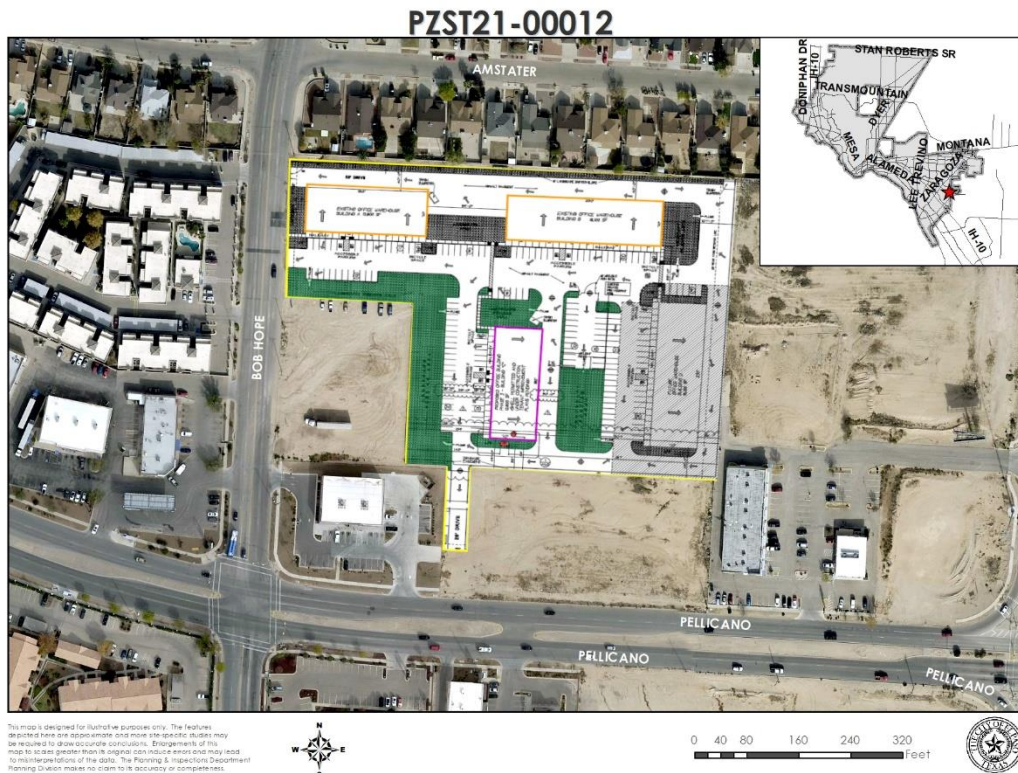


Figure A. Subject Property & Immediate Surroundings



**DESCRIPTION OF REQUEST:** The applicant is requesting a special permit to allow for the placement of a ground and roof-mounted television-broadcasting receiving antenna in C-4 (Commercial) zone district as required by El Paso City Code Section 20.10.700 (TV and radio broadcasting antennae). A special permit is a requirement of 20.10.700 of the El Paso City Code for the proposed broadcast antenna use.

The detailed site development plan shows the existing 12,600 square foot office building with the proposed roof-mounted antenna. The elevations show a maximum building height of 24 feet plus 6 feet in height above the roofline. That antenna is proposed to be six (6) feet wide and ten (10) feet in height, to include its support structure. The proposed roof-mounted antenna would be more than 100 feet from the residential zone district which exceeds the setback requirements of one (1) foot for each one (1) foot of total height for roof-mounted broadcast antennas in the commercial districts. The detailed site development plan shows the proposed ground-mounted antenna on the side of the office building. The proposed antenna is shown with both its height and width at fifteen (15) feet. The required setback for the ground-mounted antenna is fifteen (15) based on its height, and its proposed distance of over 100 feet from the residential zone district that is complied with that setback requirement.

<b>COMPLIANCE WITH TV AND RADIO BROADCASTING ANTENNAE REQUIREMENTS (20.10.700)</b>	
<b>Criteria</b>	<b>Does the Request Comply?</b>
<p>A. In Residential, Apartment and Commercial Zoning Districts. Ground-mounted radio or television broadcasting antenna support structures with antennas and equipment storage facilities shall comply with the following standards:</p> <p>1. The antenna support base shall be set back one foot for each one foot of height from abutting residential districts, measured from the antenna support base to the property line;</p>	<p>Yes. The proposed TV broadcasting antennas meets the setback requirement as shown on the detailed site development plan.</p>
<p>2. The radio or television broadcasting antenna support structure shall conform with FCC and FAA height regulations within a residential zone;</p>	<p>Not applicable since the subject property is currently zoned C-4 (Commercial).</p>
<p>3. The following must accompany a request for a special permit:</p> <p>a. A nonionizing electromagnetic radiation (NIER) report, in a format acceptable to the FCC,</p> <p>b. A structural engineering report for the antenna support,</p> <p>c. A detailed site development plan showing the antenna, supporting structures and appurtenant equipment in relation to the existing surroundings,</p> <p>d. Verification letters that an FCC application has been submitted and FAA approval has been obtained;</p>	<p>Yes. All of required documents have been provided, please see attachments 1-4</p>
<p>4. Collocation or installation of additional antennas on an existing antenna support structure shall be permitted after review and approval by the building official of a structural recertification report, prepared and sealed by a licensed professional engineer, and an updated NIER emissions report;</p>	<p>Not applicable.</p>
<p>5. Increase in elevation of an existing antenna support structure shall be permitted, so long as the setback and maximum height limitations are complied with, after review and approval by the building official of updated structural and NIER emissions reports;</p>	<p>This is not applicable because the proposed antennae are new.</p>

6. Existing nonconforming antenna support structures, unable to comply with current setback limitations shall be prohibited from any increase in elevation.	This is not applicable because proposed antennae are new.
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<b>COMPLIANCE WITH SPECIAL PERMIT REQUIREMENTS (EL PASO CITY CODE SECTION 20.04.320.D)</b>	
<b>Criteria</b>	<b>Does the Request Comply?</b>
1. The proposed development complies, except to the extent waived, varied or modified pursuant to the provisions of this title, with all of the standards and conditions applicable in the zoning district in which it is proposed to be located.	Yes, the proposed TV & Radio Broadcasting antennae is permitted in the C-4 (Commercial) District with an approval of a Special Permit. The submitted Detailed Site Development Plan and supporting documentation complies with the standards of El Paso City Code Section 20.04.320.D (Special Permits) and 20.10.700 (TV and Broadcast Antennas).
2. Furthers <i>Plan El Paso</i> and applicable neighborhood plans or policies.	Yes, the request complies with the recommendations of <i>Plan El Paso</i> and the G-4 Future Land Use designation.
3. Adequately served by and will not impose an undue burden upon public improvements.	Yes, access to the driveway and on-street parking will be from Pellicano Drive and Bob Hope Drive, the improved major arterial and minor arterial respectively. The established neighborhood is adequately served.
4. Any impacts of the proposed development on adjacent property are adequately mitigated with the design, proposed construction and phasing of the site development.	Yes, the proposed design of the antennas is compatible with the existing building on the site. They will need to demonstrate compliance with the building code and other applicable standards at the time of permitting.
5. The design of the proposed development mitigates substantial environmental problems.	Yes, the subject property does not involve greenfield/environmentally sensitive land or arroyo disturbance.
6. The proposed development provides adequate landscaping and/or screening where needed.	Yes, the development will comply with landscaping ordinance requirements.
7. The proposed development is compatible with adjacent structures and uses.	Yes, this proposed development is consistent with the existing commercial uses to the surrounding areas.
8. The proposed development is not materially detrimental to the property adjacent to the site.	Yes, the proposed redevelopment is similar in intensity and scale to surrounding development.

<b>COMPLIANCE WITH PLAN EL PASO GOALS &amp; POLICIES – When evaluating whether a proposed special permit is in accordance with <i>Plan El Paso</i>, consider the following factors:</b>	
<b>Criteria</b>	<b>Does the Request Comply?</b>
<p><b>Future Land Use Map:</b> Proposed zone change is compatible with the Future Land Use designation for the property:</p> <p><b>G-4, Suburban (Walkable):</b> This sector applies to modern single-use residential subdivisions and office parks, large schools and parks, and suburban shopping centers. This sector is generally stable but would benefit from strategic suburban retrofits to supplement the limited housing stock and add missing civic and commercial uses.</p>	Yes. The subject property, and the proposed development for it, meet the intent of the G-4, Suburban (Walkable) Future Land Use Map designation.

**COMPLIANCE WITH PLAN EL PASO GOALS & POLICIES – When evaluating whether a proposed special permit is in accordance with Plan El Paso, consider the following factors:**

<p><b>Compatibility with Surroundings:</b> The proposed zoning district is compatible with those surrounding the site:</p> <p><b>C-4 (Commercial) District:</b> The purpose of this district is to provide for locations for the most intensive commercial uses intended to serve the entire city. It is intended that the district regulations permit heavy commercial uses characterized by automotive and light warehousing. The regulations of the districts are intended to provide a transition from general business areas to industrial and manufacturing uses, and to accommodate major locations of commerce, service and employment activities. Within the central business district, more intensive commercial uses are allowed, the predominant of which are retail trade and service uses, providing less restrictive height and area regulations.</p>	<p>Yes. TV &amp; Radio Broadcasting antennae is a permitted use in the C-4 District with special permit approval.</p>
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**THE PROPOSED PROJECT’S EFFECT ON THE PROPERTY AND SURROUNDING PROPERTY, AFTER EVALUATING THE FOLLOWING FACTORS:**

<p><b>Historic District or Special Designations &amp; Study Area Plans:</b> Any historic district or other special designations that may be applicable. Any adopted small areas plans, including land-use maps in those plans.</p>	<p>No, the property is not located within a historic or other special district.</p>
<p><b>Potential Adverse Effects:</b> Potential adverse effects that might be caused by approval or denial of the requested rezoning.</p>	<p>No adverse effects anticipated. The uses and development configurations are already existing and are similar to other properties in the surrounding areas.</p>
<p><b>Natural Environment:</b> Anticipated effects on the natural environment.</p>	<p>Subject property does not involve greenfield/ environmentally sensitive land or arroyo disturbance.</p>
<p><b>Stability:</b> Whether the area is stable or in transition.</p>	<p>The area is stable and the proposed development is compatible with the existing single-family zoning and uses and school of the surrounding properties.</p>
<p><b>Socioeconomic &amp; Physical Conditions:</b> Any changed social, economic, or physical conditions that make the existing zoning no longer suitable for the property.</p>	<p>The proposed development is within an older, stable area of the city comprised of commercial properties previously rezoned from R-F throughout the years.</p>

**ADEQUACY OF PUBLIC FACILITIES, SERVICES AND INFRASTRUCTURE:** Access to the subject property is proposed from Pellicano Drive and Bob Hope Drive, which are designated a major and minor arterial respectively on the City’s Major Thoroughfare Plan. It is adequate to serve the proposed development.

**SUMMARY OF DEPARTMENTAL REVIEW COMMENTS:** No objections to proposed special permit. There were no adverse comments received from the reviewing departments. Applicant is responsible for obtaining all applicable permits and approvals prior to construction.

**PUBLIC COMMENT:** The subject property is not within the boundaries of any registered neighborhood associations. Public notices were mailed to property owners within 300 feet on September 30 2021. As of October 28, 2021, the Planning Division did not receive any communication support or opposition to the special permit request.

**RELATED APPLICATIONS:** N/A.

**CITY PLAN COMMISSION OPTIONS:**

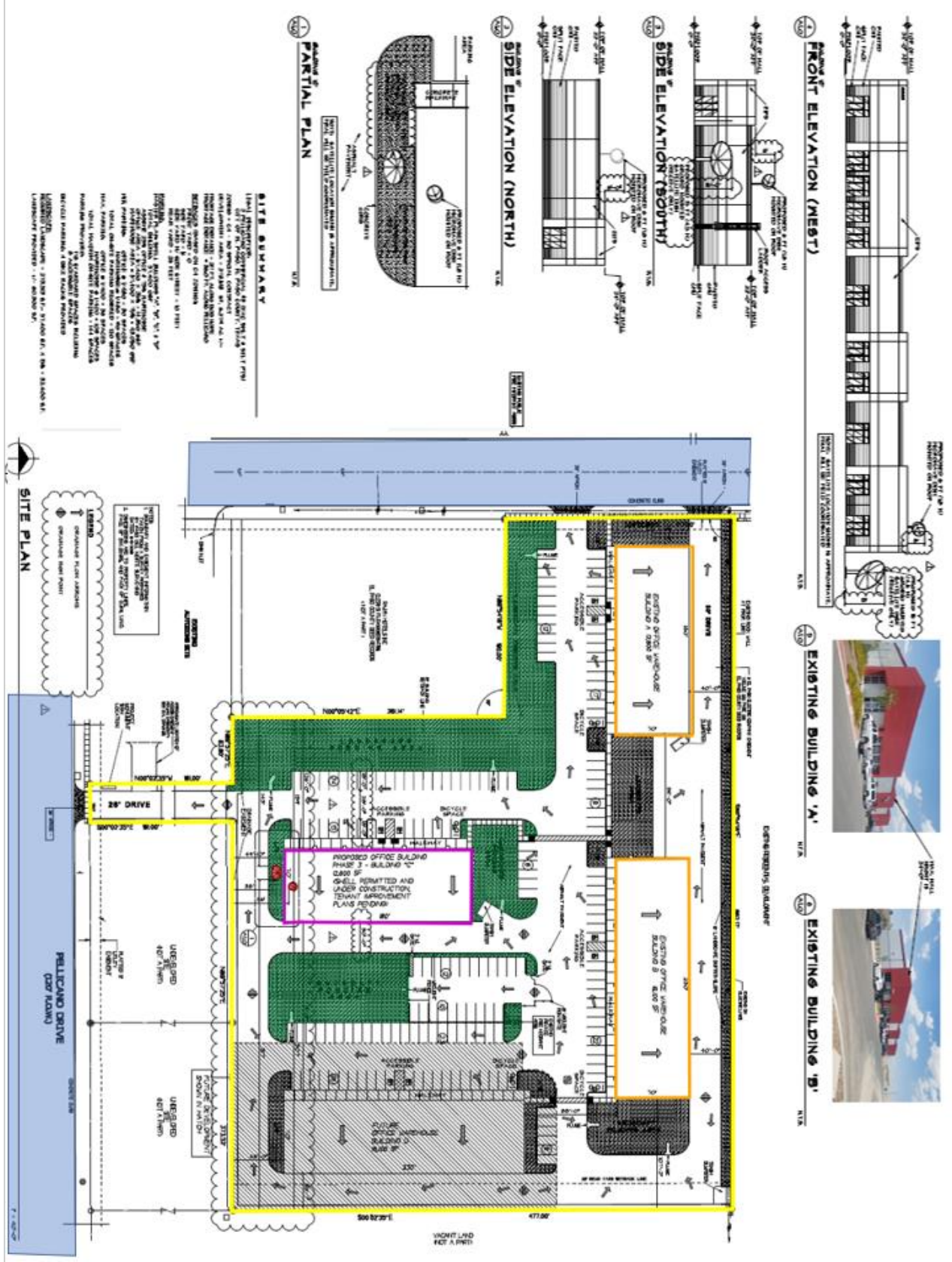
The purpose of the Zoning Ordinance is to promote the health, safety, morals and general welfare of the City. The City Plan Commission (CPC) has the authority to advise City Council on Zoning matters. In evaluating the request, the CPC may take any of the following actions:

1. **Recommend Approval** of the special permit request, finding that the request is in conformance with the review criteria of *Plan El Paso* as reflected in the Staff Report, or that the request is in conformance with other criteria that the CPC identifies from the Comprehensive Plan. **(Staff Recommendation)**
2. **Recommend Approval of the special permit request With Modifications** to bring the request into conformance with the review criteria of *Plan El Paso* as reflected in the Staff Report, or other criteria that the CPC identifies from the Comprehensive Plan.
3. **Recommend Denial** of the special permit request, finding that the request does not conform to the review criteria of *Plan El Paso* as reflected in the Staff Report, or other criteria that the CPC identifies from the Comprehensive Plan.

**ATTACHMENTS:**

1. Detailed Site Plan
2. Dish Cut Sheet
3. NIER Report
4. FCC/FAA
5. Future Land Use Map
6. Department Comments
7. Neighborhood Notification Boundary Map

# ATTACHMENT 1



# ATTACHMENT 2

**The "DH Gibraltar Mount" Series**  
**Fixed or Dual Powered Available**  
**3.0m, 3.7m, 3.8m, 4.2m, 4.5m and 5.0m one piece or sectional antenna spec**  
**Aperture Efficiency at Ku band - 67%**



- DUAL POWERED GIBRALTER**
- 0-90° Motorized Elevation With Adjustment
  - 200°+ Motorized Azimuth Travel
  - 36 Volt DC Motors



**GIBRALTER MOUNT SERIES**

- 15" Reinforced Base
- 60" Back Ring
- 8 Back Braces
- 24"x24"x1/2" Base Plate

Specifications:	3.0m	3.7m	3.8m	4.2m	4.5m	5.0m
Antenna Sections	4	4/Optional 8	4	8	8	8
C Band Gain @ 4 Gig	40.6 db	42.3 db	42.5 db	43.5 db	43.9 db	44.3 db
Ku Band Gain @ 12 Gig	49.9 db	51.1 db	51.8 db	53.0 db	53.3 db	54.2 db
Aluminum Thickness	.085	.085	.090	.110	.110	.110
F/d Ratio	.3	.4	.378	.34	.33	.3
Wind Force at 60° at 90 MPH	3,020 lbs	4,200 lbs	4,600 lbs	5,975 lbs	6,600 lbs	7,800 lbs
First Side Lobe (E-Plane)	1.2°	2.4°	2.3°	2.1°	1.95°	1.1°
All Side Lobes	-26 db	-22 db	-22 db	-22 db	-22 db	-22 db
3db Beam Width (E-Plane)	0.5°	1.4°	1.4°	1.2°	1.2°	0.9°
F/L	36"	57.6"	57.6"	57.6"	57.6"	57.6"
Antenna Weight (One Piece)	102 lbs	180 lbs	198 lbs	241 lbs	277 lbs	315 lbs
Antenna Weight (Sectional)	110 lbs	4pc-165 lbs 8pc-192 lbs	214 lbs	281 lbs	317 lbs	355 lbs
Crate Dims w/Antenna	62"x40"x66"	76"x36"x78"	79"x36"x81"	91"x38"x64"	92"x54"x67"	99"x52"x72"
Approximate Weight	254 lbs	4pc-348 lbs 77"x47"x58" 8pc-500 lbs	464 lbs	544 lbs	688 lbs	741 lbs
Dual Pow Mt Weight	1,230 lbs	1,230 lbs	1,230 lbs	1,230 lbs	1,230 lbs	1,230 lbs
Fixed Gdb Mt Weight	752 lbs	752 lbs	752 lbs	752 lbs	752 lbs	752 lbs
Pallet Dims w/Dual Pow Mt	64"x74"x58"	64"x74"x58"	64"x74"x58"	64"x74"x58"	64"x74"x58"	64"x74"x58"
Pallet Weight w/Dual Pow Mt	1,266 lbs	1,266 lbs	1,266 lbs	1,266 lbs	1,266 lbs	1,266 lbs
Pallet Dims w/Fixed Gdb Mt	64"x74"x61"	64"x74"x61"	64"x74"x61"	64"x74"x61"	64"x74"x61"	64"x74"x61"
Pallet Weight w/Fixed Gdb Mt	888 lbs	888 lbs	888 lbs	888 lbs	888 lbs	888 lbs

\*Antenna sizes are nominal. \*Custom crating available. \*Dimensions & weights are approximate.

**OPTIONAL:**

- Hot Dip Galvanizing
- Non-Penetrating Roof Mount
- Electronics, Feedhorns, LNBS, Cabling
- Half/Full Dish De-icing
- Template Kits



**Satellite**  
 600 N. Marquette Rd.  
 Prairie du Chien, WI 53821

[dhsat@mhct.net](mailto:dhsat@mhct.net)    [www.DHSatellite.com](http://www.DHSatellite.com)

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02/20/2020

# HX6-11W

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1.8m | 6ft ValuLine® High Performance, High XPD Antenna, dual-polarized, 10.000 – 11.700 GHz

## Product Classification

**Product Type** Microwave antenna  
**Product Brand** ValuLine®

## General Specifications

**Antenna Type** HX - ValuLine® High Performance, High XPD Antenna, dual-polarized  
**Polarization** Dual  
**Side Struts, Included** 1  
**Side Struts, Optional** 1

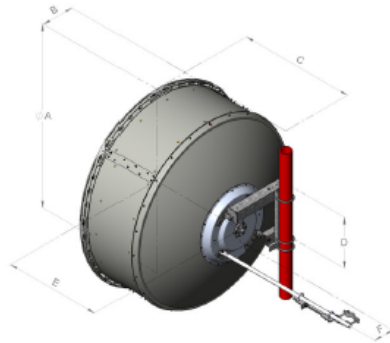
## Dimensions

**Diameter, nominal** 1.8 m | 6 ft

# HX6-11W

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## Antenna Dimensions and Mounting Information



Dimensions in inches (mm)						
Antenna size, ft (m)	A	B	C	D	E	F
6 (1.8)	74.8 (1899)	13.4 (340)	47.5 (1206)	20.9 (530)	36.4 (921)	8.4 (214)

# ATTACHMENT 3



To Whom It May Concern,

The City of El Paso has requested that KTDO provide evidence to support a special use permit for our proposed facility near the intersection of Pellicano Drive and Bob Hope Drive. Specifically, the requested documentation pertains to a roof-mounted microwave transmitting dish and ground-mounted satellite receiving dish which will be installed as part of the project. According to the document "20.10.700 – TV and radio broadcasting antennae," (attached) Section A.3.a and A.3.d, the City would like:

- A nonionizing electromagnetic radiation (NIER) report, in a format acceptable to the FCC.
- Verification letters that an FCC application has been submitted and FAA approval has been obtained.

We have reviewed Federal Communications Commission (FCC) and Federal Aviation Administration (FAA) regulations and are pleased to report that, in this case, documentation should not be required.

- For the NIER report:
  - *As per the FCC's Rules Section §1.1307, (b)(1) Table 1*
    - Based on the FCC's Part 74 Subparts listed in the table, the FCC does not include Subpart F under which our proposed facility would operate. The table does not mention facilities under Subpart F so we are categorically excluded.
    - KTDO's ground-mounted satellite receiving dish *does not transmit* (receive only), so an NIER would not be required.
    - Attached is an example of an Environmental Health and Safety Report for a similar dish, which would fulfill FCC requirements if it was required, and shows only a potential hazard at the feed flange. (See OET-65 RF Exposure Calculations prepared by Doug Lung) Note: Even the surface of the dish is well below FCC Maximum Permissible Exposure. Our new proposed dish is smaller and should not exceed these calculations.
- Verification letters:
  - A path study showing no interference to other licenses resulting from the move has been completed and is attached. (See M1923408\_sn.pdf).
  - As per the FAA's circular "NOTICE OF PROPOSED CONSTRUCTION OR ALTERATION" section §77.15 *Construction or alteration not requiring notice*:
    - "No person is required to notify the Administrator for any of the following construction or alteration: (a) Any object that would be shielded by existing structures of a permanent and substantial character or by natural terrain or topographic features of equal or greater height, and would be located in the congested area of a city, town, or settlement where it is evident beyond all reasonable doubt that the structure so shielded will not adversely affect safety in air navigation."
    - Both the microwave dish and satellite dish will be located in a highly populated commercial/residential section of the city and neither will extend in excess of twenty feet above the structure. Therefore, under these criteria, verification



letters are not required. A TOWAIR study has been conducted as evidence in support of this (See attached KTDO-TOWAIR REPORT 9.22.21).

Radio Frequency Safety and legal compliance are the highest priority for both KTDO and NBCUniversal. Even with the negligible power output of the microwave, KTDO is taking measures in construction to shield the site and ensure that it is secured to prevent unauthorized entry.

We are pleased to work with the City of El Paso in this great endeavor. Don't hesitate to reach out to us directly for any questions or concerns.

Appreciatively,

A handwritten signature in black ink, appearing to read 'Javier Guerra', with a long horizontal flourish extending to the right.

Javier Guerra, Director of Technology

# ATTACHMENT 4

9/22/2021

TOWAIR Search Results

## TOWAIR Determination Results

### \*\*\* NOTICE \*\*\*

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

#### DETERMINATION Results

**Structure does not require registration. The structure meets the 6.10-meter (20-foot) Rule criteria.**

#### Your Specifications

##### NAD83 Coordinates

Latitude	31-43-37.2 north
Longitude	106-16-15.6 west

##### Measurements (Meters)

Overall Structure Height (AGL)	9.1
Support Structure Height (AGL)	6.4
Site Elevation (AMSL)	1220

##### Structure Type

BPOLE - Building with Pole

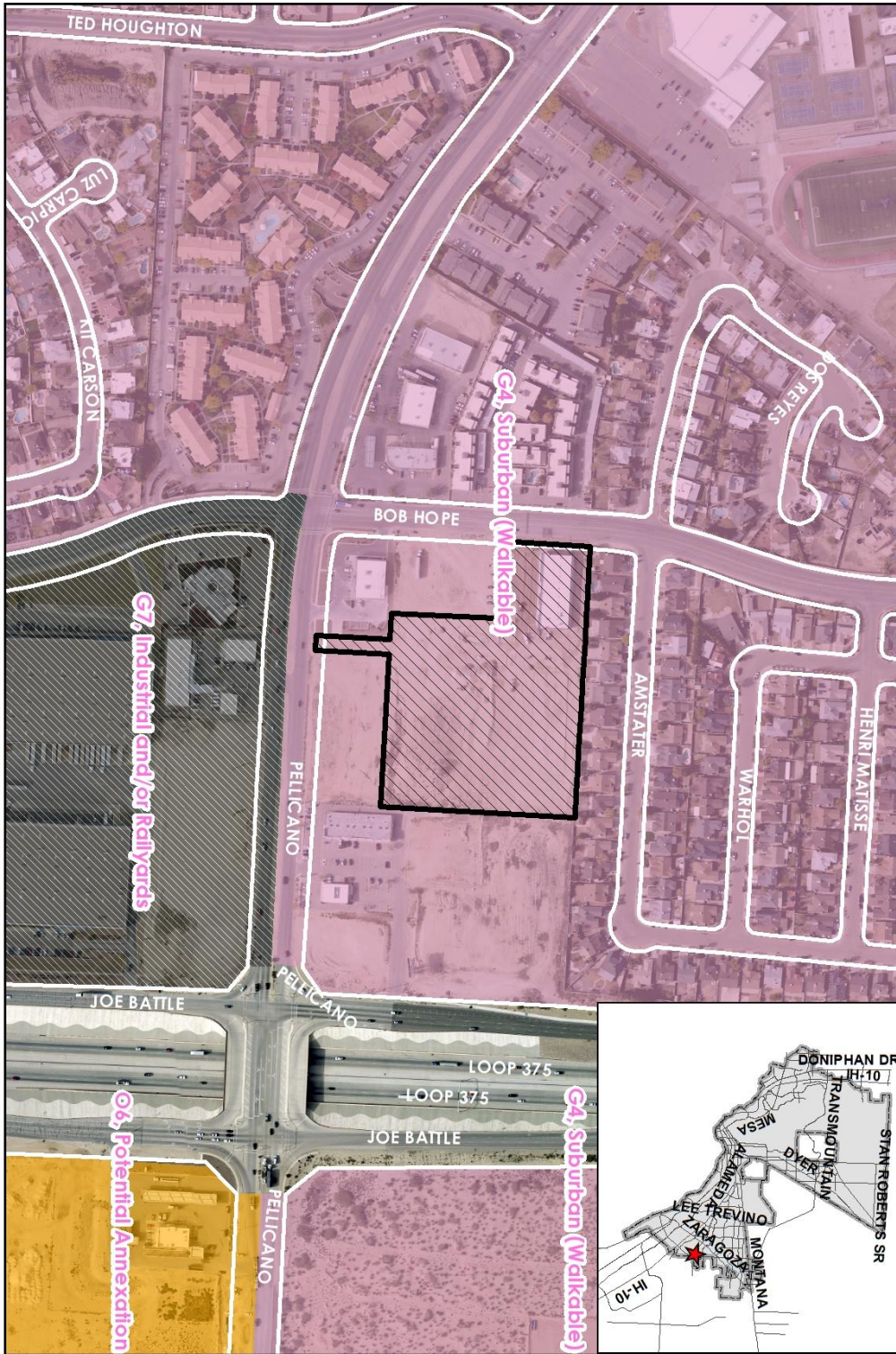
#### Tower Construction Notifications

Notify Tribes and Historic Preservation Officers of your plans to build a tower.

[CLOSE WINDOW](#)

# ATTACHMENT 5

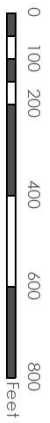
PZST21-00012



This map is designed for illustrative purposes only. The features depicted here are approximate and more site-specific studies may be required. The map to scales greater than its original can induce error and may lead to misinterpretations of the data. The Planning & Inspection Department Planning Division makes no claim to its accuracy or completeness.



 Subject Property



# **ATTACHMENT 6**

## **Planning and Inspections Department – Planning Division**

No objections to the special permit request.

## **Planning and Inspections Department – Plan Review**

No objections to the special permit and detailed site development plan.

Note: At the time of submittal for building permit, the project will need to comply with all applicable provisions of the ICC, TAS, and Municipal Code

## **Planning and Inspections Department – Landscaping Division**

No objections to the special permit and detailed site development plan.

## **Planning and Inspections Department – Land Development**

No objections to special permit and detailed site development plan.

## **Street and Maintenance Department**

No objections.

Note: All driveway and sidewalk improvements shall be constructed in current compliance with all applicable City of El Paso Municipal Codes / Ordinances

## **Fire Department**

Coordinate with Construction Code Compliance (El Paso Fire Marshal's Office) for hose lay requirements and fire hydrant requirements.

## **Sun Metro**

No objections.

## **El Paso Water**

No comments received.

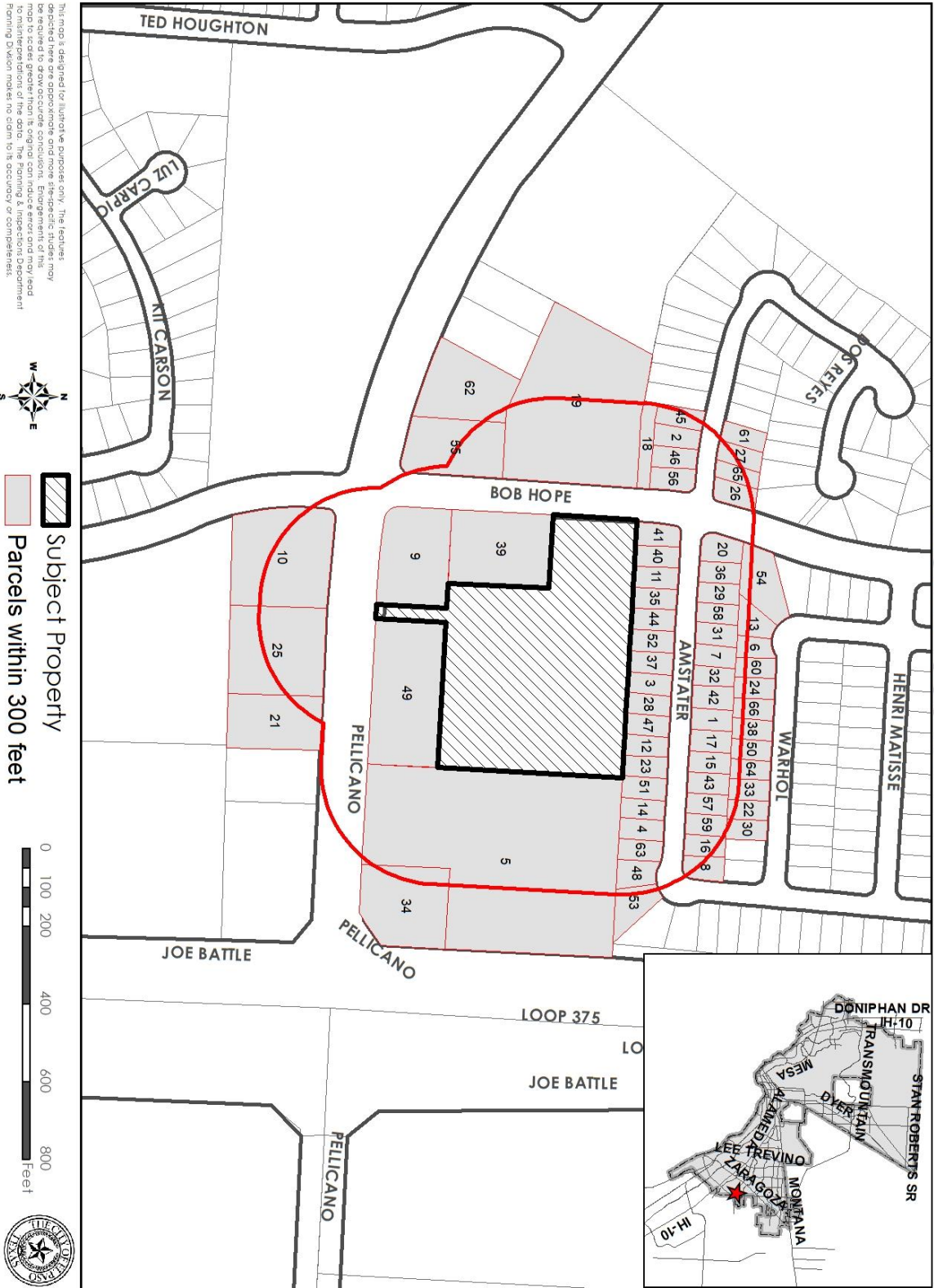
## **El Paso Water – Stormwater Engineering**

No comments received.

## **El Paso County Water Improvement District #1**

The item is not within the boundaries of EPCWID1

# ATTACHMENT 7



PZST21-00012