



**ASAC SITE SPECIFIC EVALUATION
FOR**

Site Name: Crown Jewel

Site Number: 831380

Site Location: Gilbert, AZ.

Requestors Name: Jessica Madsen

Company Name: Crown Castle

Street Address: 2055 S. Stearman Drive

City and Zip: Chandler, AZ. 85286

This is an evaluation based on application of surfaces identified in Federal Aviation Regulation (FAR) Part 77 and Federal Communication Commission (FCC) Rules Part 17.

EXECUTIVE SUMMARY

-  **The max height that can be built at this site without notice to the FAA is 23 feet AGL or 1272 feet AMSL.**
-  **The max No Extended Study height at this site is 144 AGL, or 1393 AMSL.**
-  **The max no hazard height at this site is 144 AGL, or 1393 AMSL.**
-  **The max no marking and lighting height at this site is 144 AGL, or 1393 AMSL.**

SITE DATA

Structure Type: Antenna Tower

Coordinates of site:	Lat:	33°16'33.68"
	Long:	111°47'33.49"
	Datum:	NAD 83

Site ground elevation:	1249
Total height above the ground of the entire structure (AGL):	144
Total height above mean sea level (AMSL):	1393

AIRPORT/HELIPORT INFORMATION

Nearest public use or Government Use (DOD) facility: Chandler Municipal.

This structure will be located 1.0 NM or 6173 FT from the airport on a bearing of 246 degrees true to the airport.

Nearest private use landing facility is: Mercy Gilbert Medical Center.

This structure will be located 2.1 NM from the helipad on a bearing of 70 degrees true to the helipad.

STUDY FINDINGS

FAA FAR Part 77 paragraph 9 (FAR 77.9): (Construction or Alteration requiring notice.) (These are the imaginary surfaces that the FAA has implemented to provide general criteria for notification purposes.)

This structure does require notification to the FAA.

FAA FAR Part 77 paragraph 17(FAR 77.17): (Standards for Determining Obstructions.)(These are the imaginary surfaces that the FAA has implemented to protect aircraft safety. If any of these surfaces are penetrated, the structure may pose a Hazard to Air Navigation.)

This structure does not exceed these surfaces.

**FCC Notice Requirements:
(FCC Rules, Part 17)**

This structure does require notification to the FAA or FCC based on these rules.

**FAA EMI:
(The FAA protects certain air navigational aids, radio transmitters, and RADAR facilities from possible interference. The distance and direction are dependent on the type of facility being evaluated. Some of these transmission and receiver facilities are listed in the National Flight Data Center (NFDC) database.)**

This site would not affect any FAA air navigational aids or transmitters.

Military Airspace:

(This would include low level visual and instrument routes along with operations areas and special use airspace.)

This structure will not affect this airspace.

AM Facilities:

(The FCC protects AM radio stations from possible interference for a distance of 3.0 km for directional facilities, and 1.0 km for non-directional facilities. New changes to the FCC critical distances are calculated based on the AM transmission Movement Method Proof evaluation.)

This site was evaluated against the FCC's AM antenna database using the Movement Method proof calculations and no further action is required.

MARKING AND LIGHTING

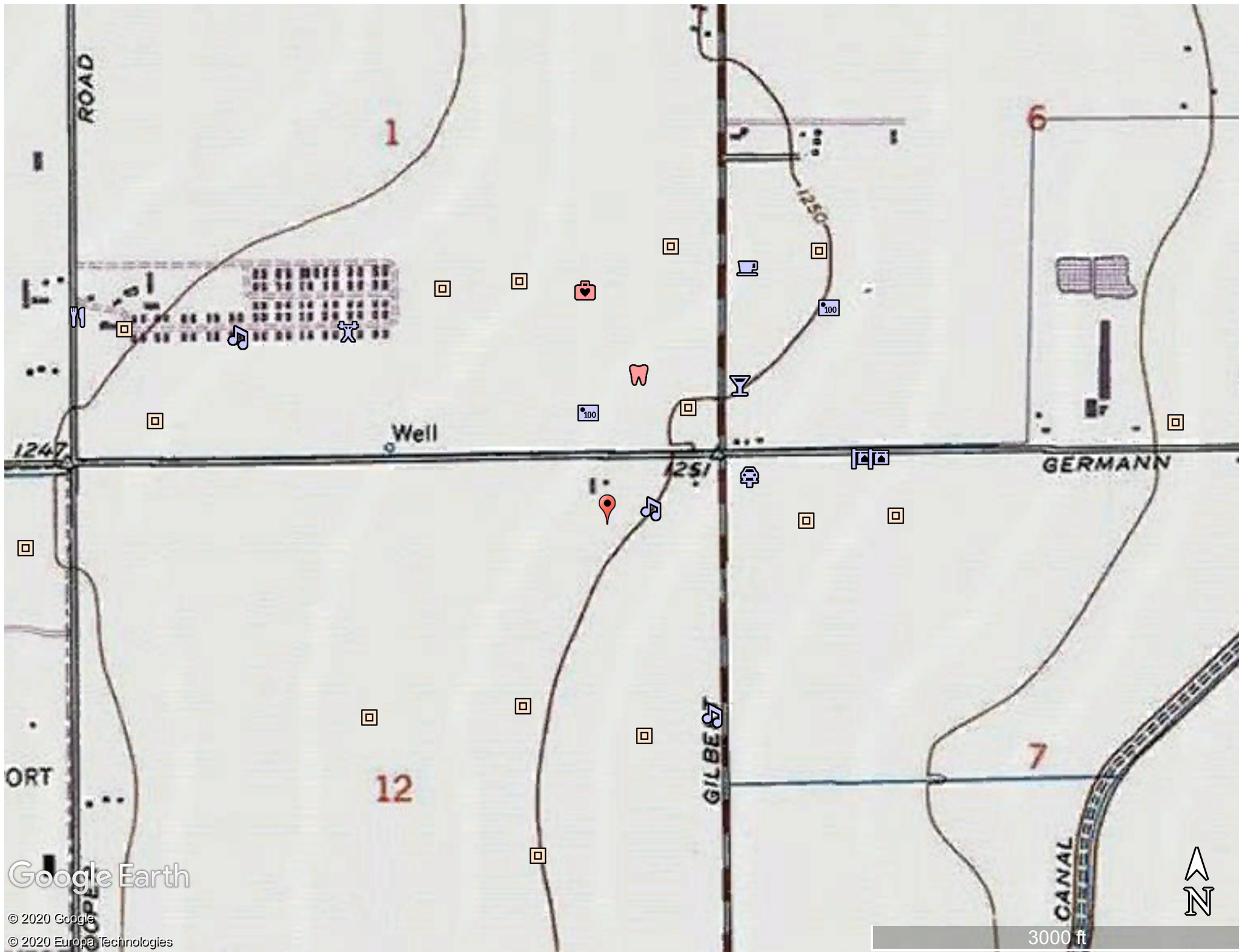
FAA Advisory Circular 70/7460-1:

Marking and lighting is not required for this structure.

RECOMMENDATIONS

This site was evaluated in accordance with the requirements specified by the FAA under Federal Aviation Rules part 77, and found not to be a hazard to air navigation.

This site is located 1243' from the end of the runway at Chandler airport. This site is located below the VFR horizontal surface. This surface is at 144' AGL (1393' AMSL) and a penetration to this airspace would be considered a Hazard to Air Navigation by the FAA.



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