

# Hidalgo County Wifi Project County Wide



**Prepared by:**

**Hidalgo County Information Technology Department**

**August 12, 2020**

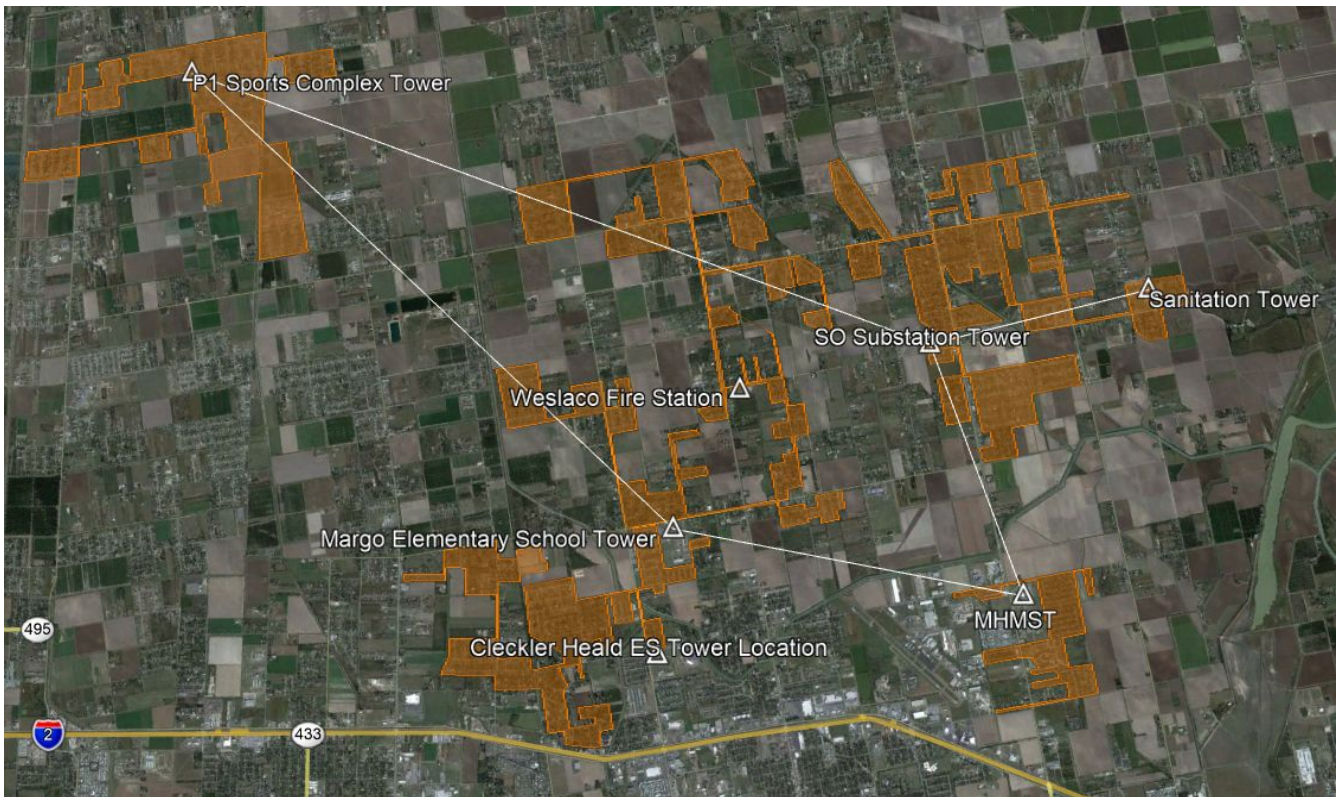
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## P1 Area Coverage

Total Students: 7,674



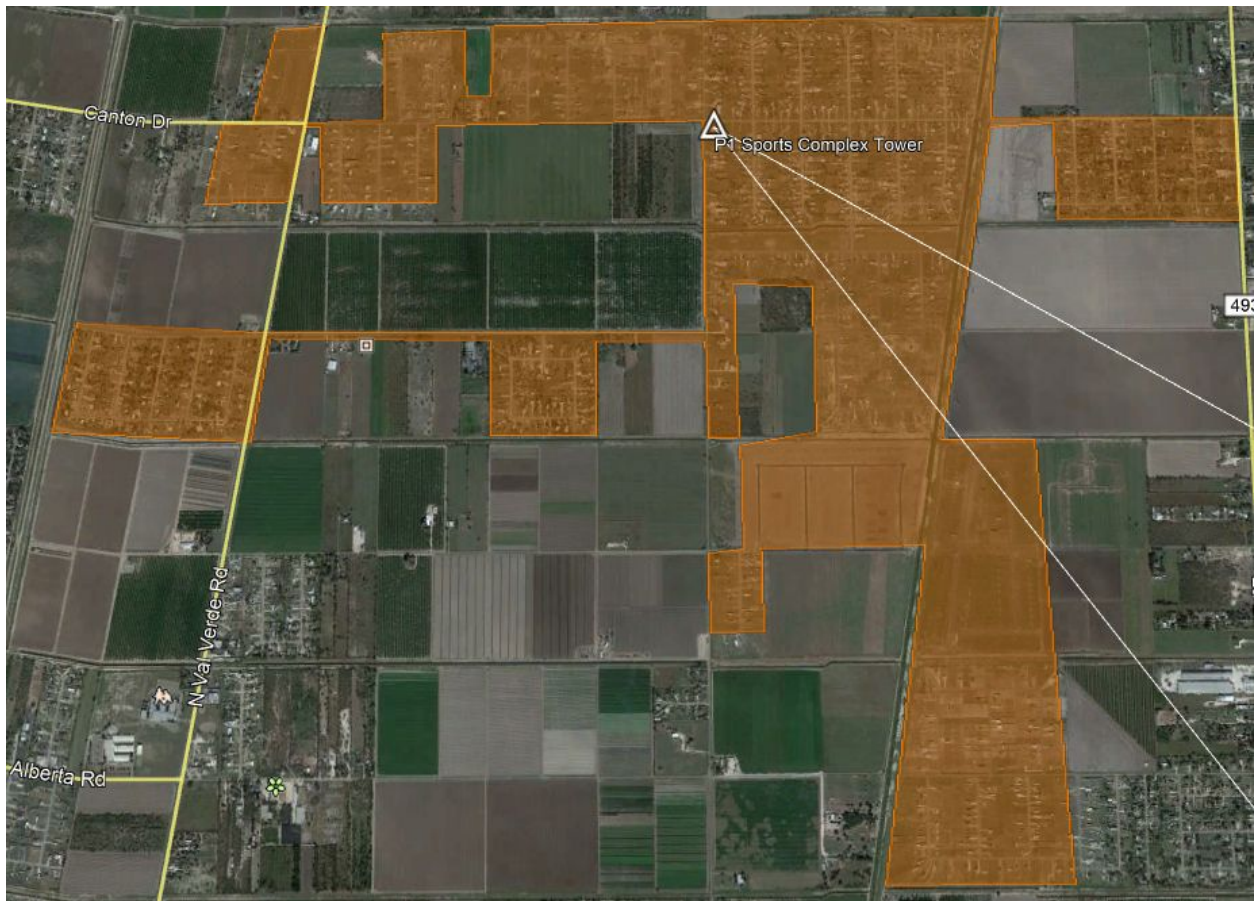


## Precinct 1 Area - Zone 1

**No. of Students:** 3100 - Donna ISD

**Sq. Miles:** 3.04

**Location:** Donna, Texas





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## Proposed Tower Location

**Location:** P1 Sports Complex - County Owned  
Dillon Rd. & Canton Rd. W. of FM 493  
Donna, Texas



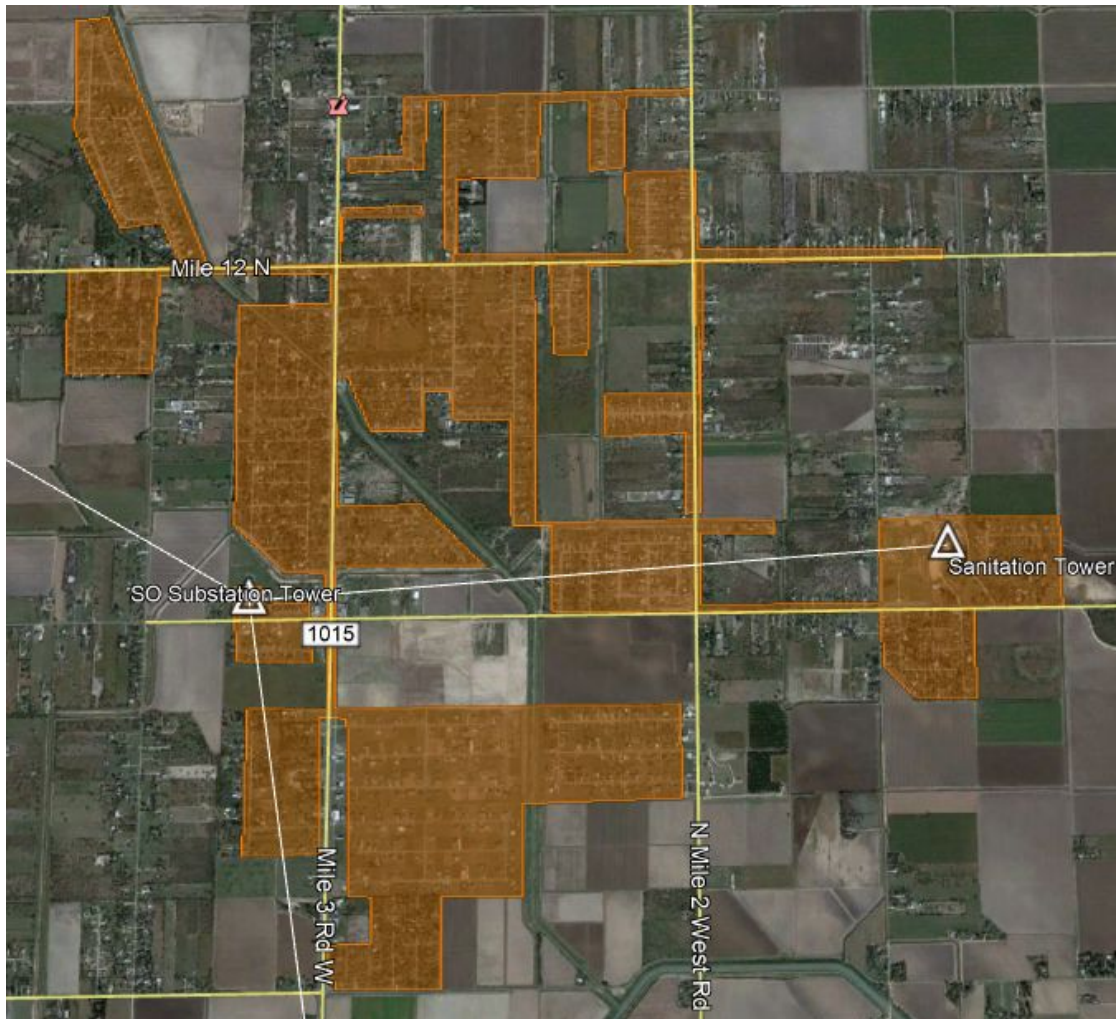


## Precinct 1 Area - Zone 2

**No. of Students:** 1704 - Weslaco ISD

**Sq. Miles:** 1.89

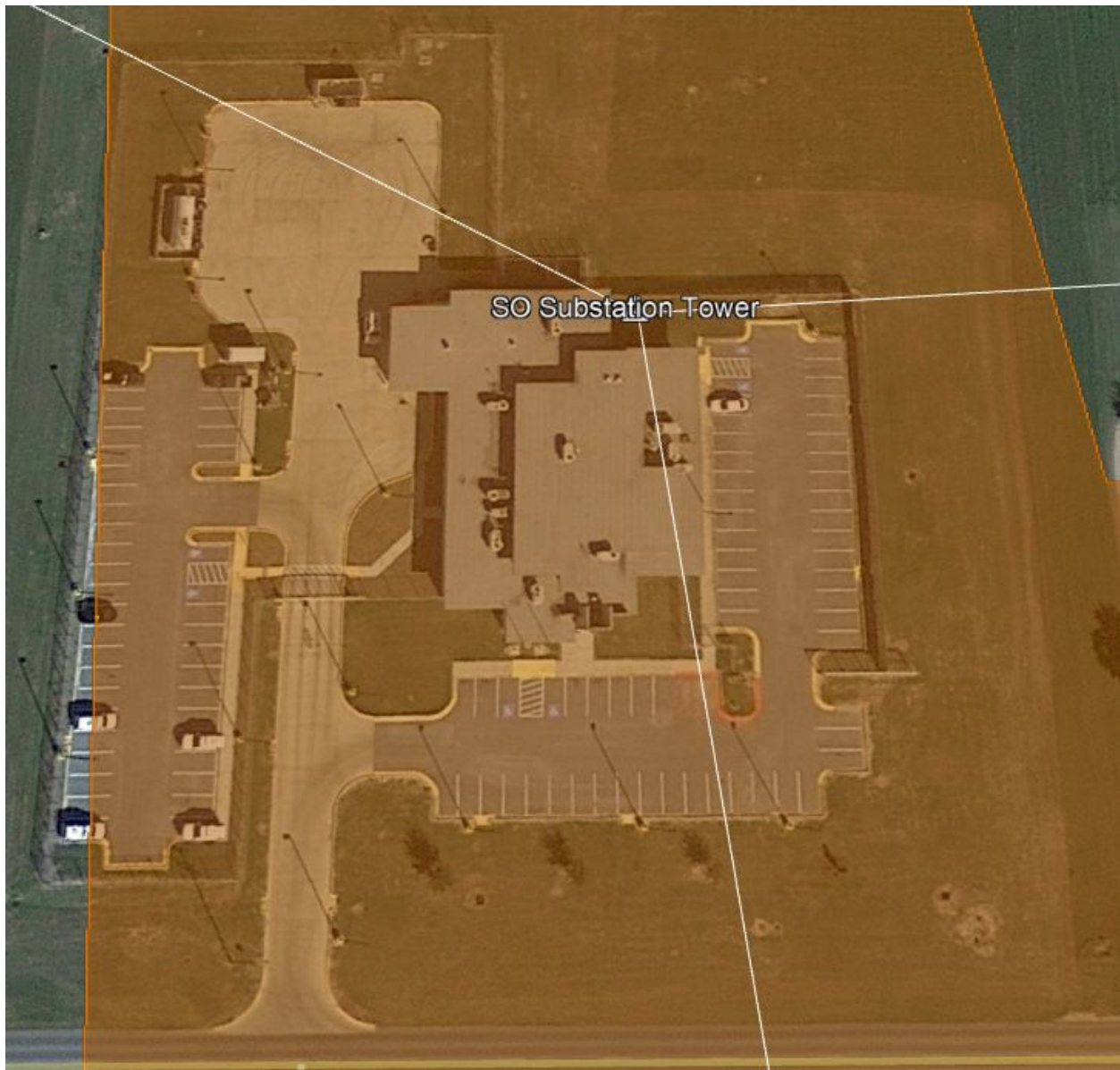
**Location:** N Weslaco, TX 78599





## Proposed Tower Location 1

**Location:** SO Substation - Hidalgo County  
3003 E Mile 11 N  
Weslaco, TX 78599





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### Proposed Tower Location 2

**Location:** Sanitation - Hidalgo County  
FM 1015 off of Mile 11 North and Mile 1 1/2 West  
Mercedes, Texas 78570





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## Precinct 1 Area - Zone 3

**No. of Students:** 793 - Weslaco ISD

**Sq. Miles:** 0.40

**Location:** Weslaco, TX 78599





## Proposed Tower Location

**Location:** Mary Hoge Middle School - Weslaco ISD  
2302 N International Blvd  
Weslaco, TX 78596





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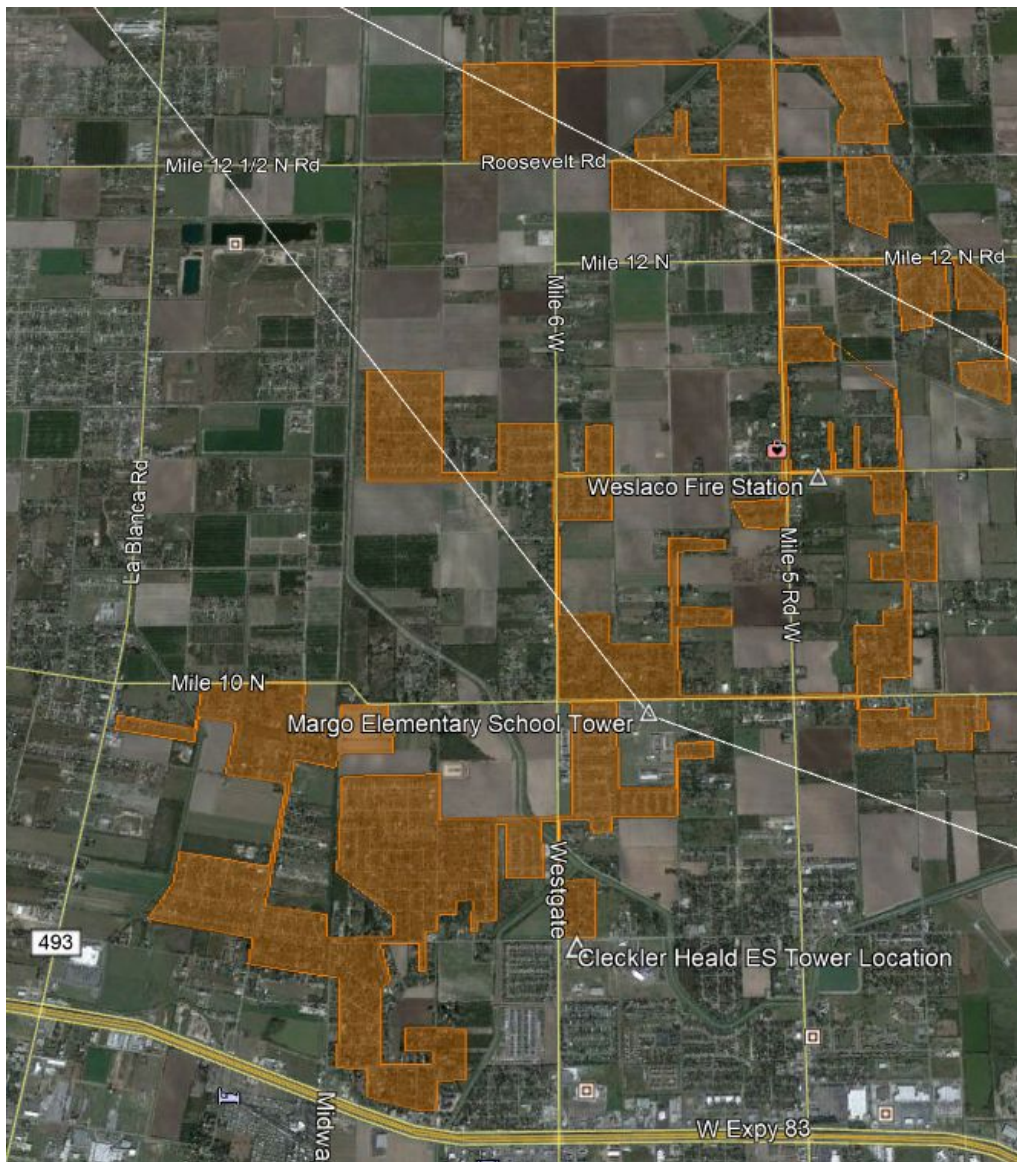
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### Precinct 1 Area - Zone 4

**No. of Students:** 1577 - Weslaco ISD | 500 - Donna ISD

**Sq. Miles:** 3.46

**Location:** N NW Weslaco, TX 78596





## Proposed Tower Location 1

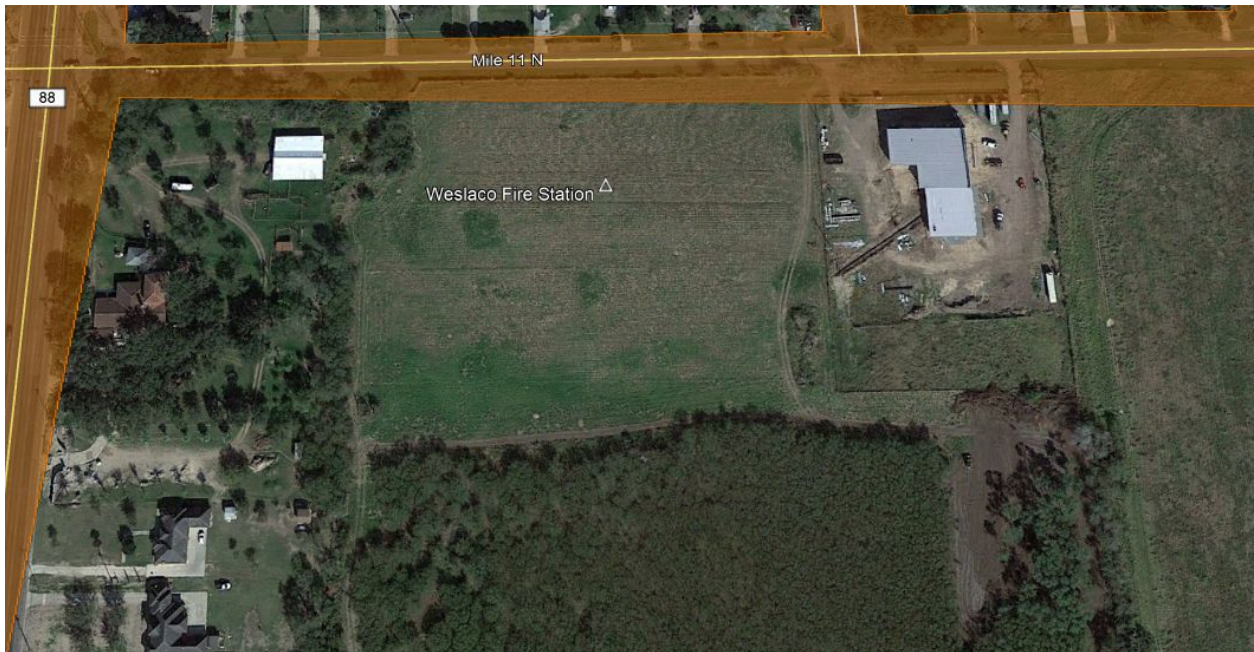
**Location:** Rudy Silva Elementary - Weslaco ISD  
1001 Mile 10 N  
Weslaco, TX 78596





## Proposed Tower Location 2

**Location:** Weslaco Fire Station - City of Weslaco  
Mile 11  
N Weslaco TX





## Proposed Tower Location 3

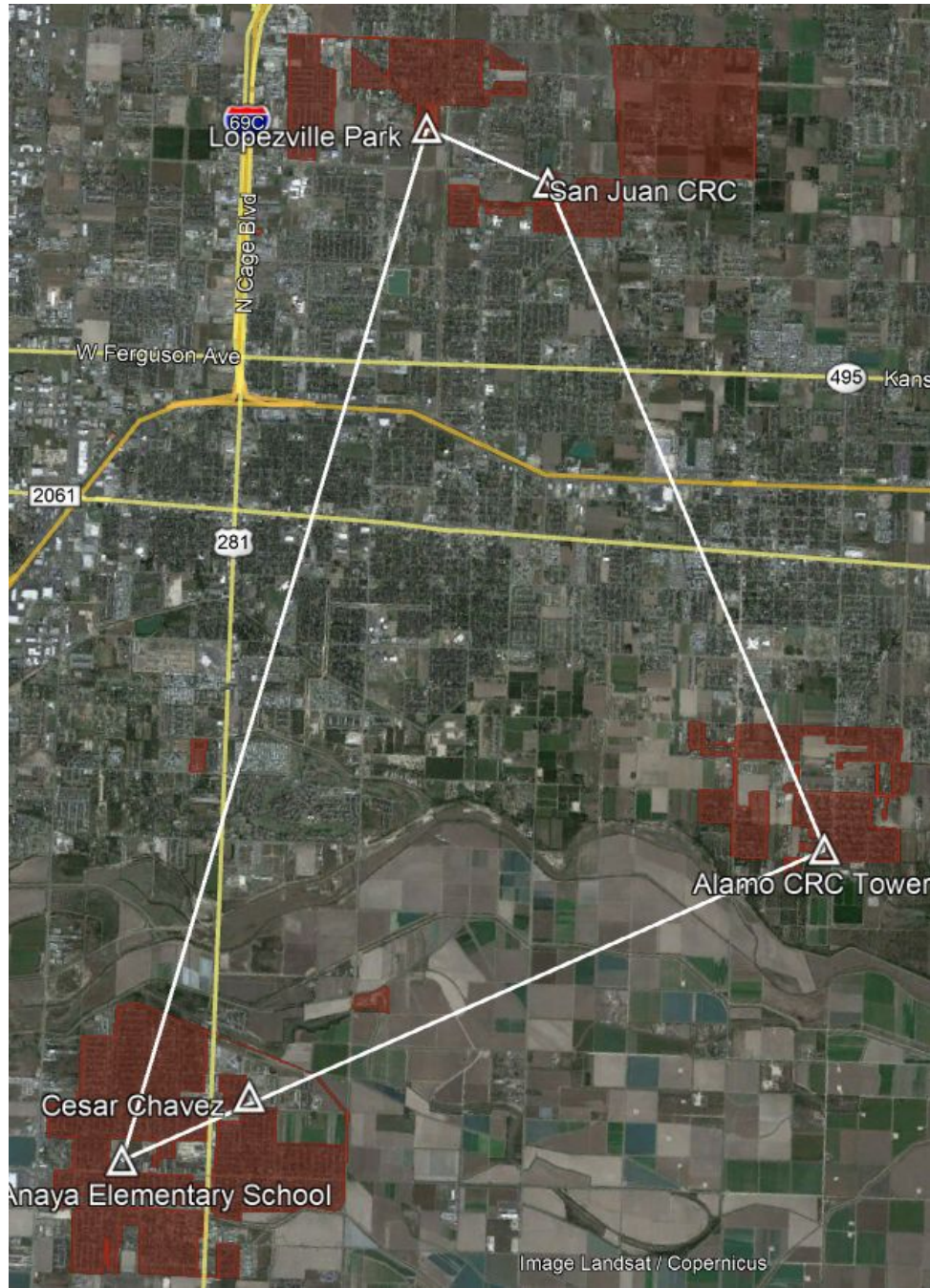
**Location:** Cleckler-Heald Elementary School - Weslaco ISD  
1601 W Sugarcane Dr.  
Weslaco, TX 78596





## P2 Area Map

Total Students: 8,369

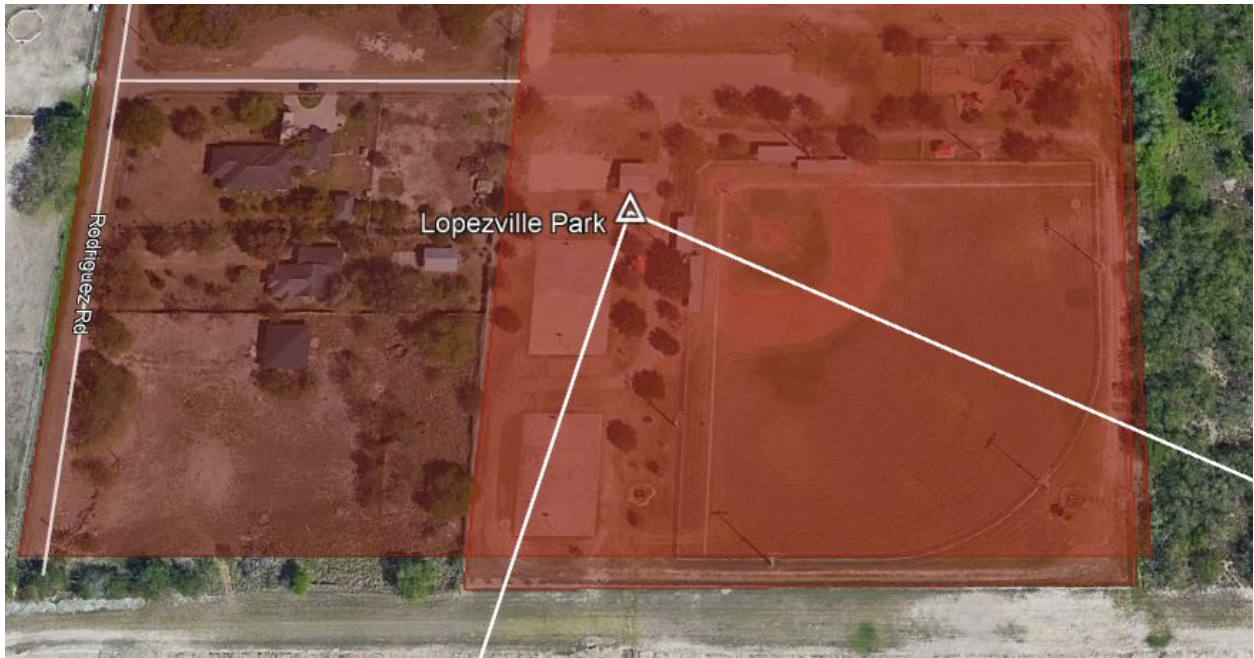






## Proposed Tower Location

Location: Lopezville Park - Hidalgo County





## Precinct 2 Area - Zone 2

**No. of Students:** 989 - PSJA ISD

**Sq. Miles:** 0.31

**Location:** San Juan CRC - County Owned





## Proposed Tower Location

**Location:** San Juan CRC - Hidalgo County  
509 E Earling Rd  
San Juan, TX 78589



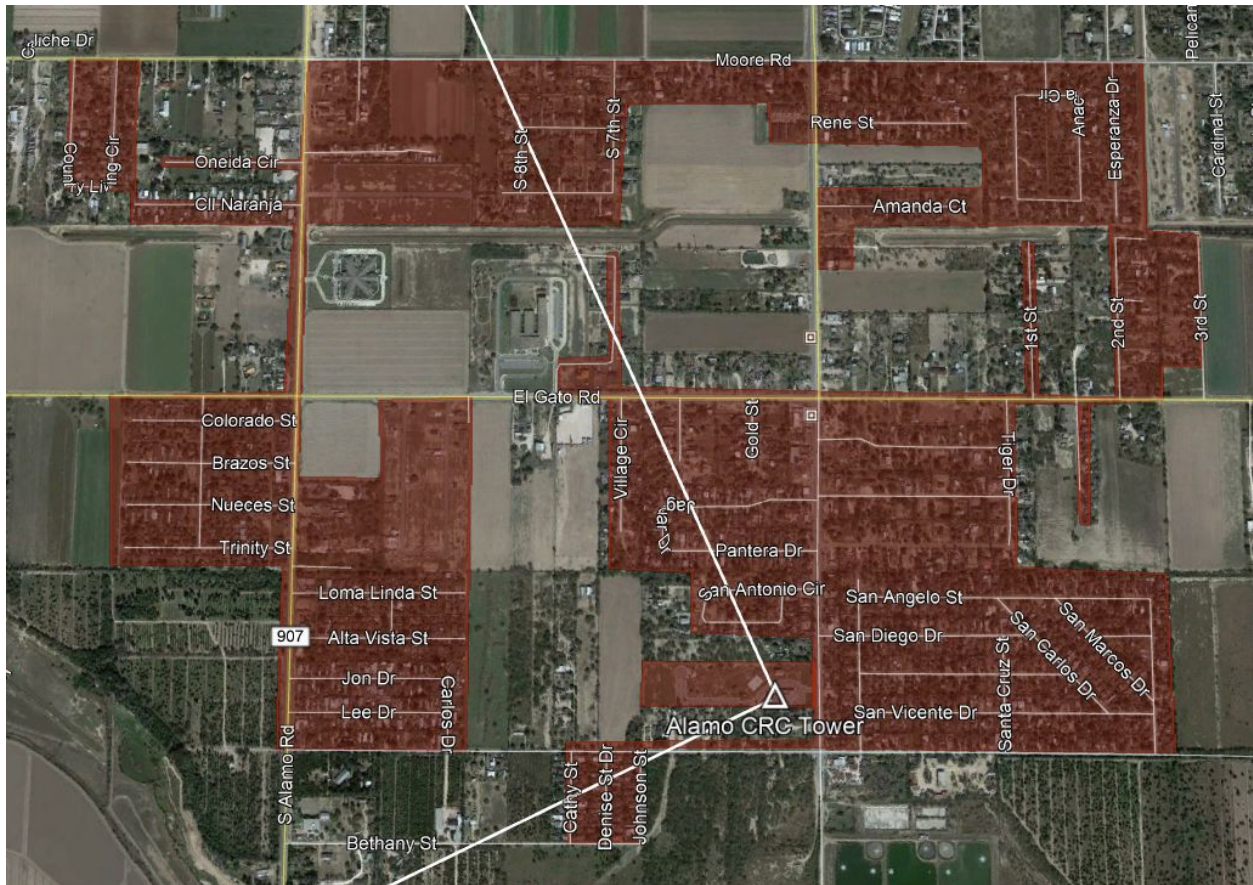


## Precinct 2 Area - Zone 3

**No. of Students:** 1160 PSJA ISD | 435 Donna ISD

**Sq. Miles:** 0.81

**Location:** South Tower Road - County Owned





## Proposed Tower Location

**Location:** Alamo CRC - Hidalgo County  
1429 S Tower Rd  
Alamo, TX 78516



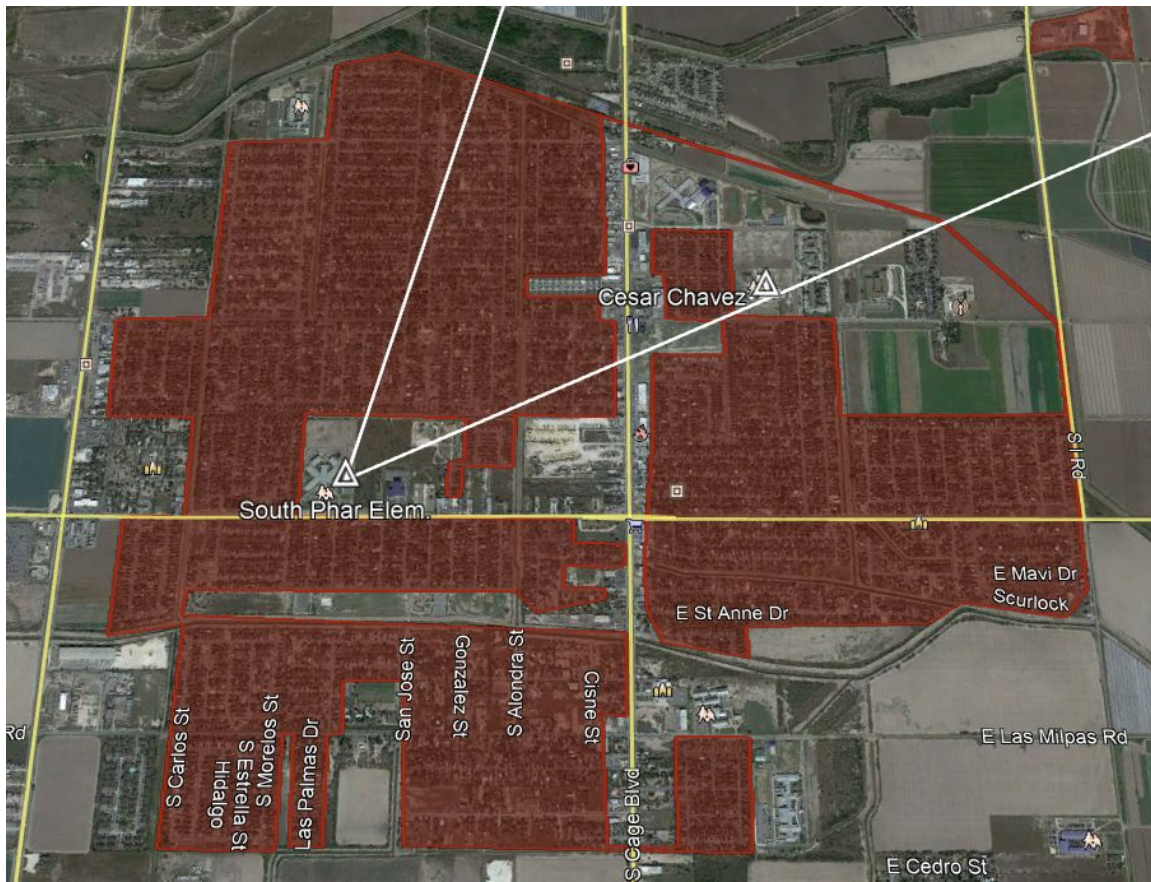


## Precinct 2 Area - Zone 4

**No. of Students:** 3924 PSJA | 838 Valley View

**Sq. Miles:** 2.25

**Location:** South Pharr





## Proposed Tower Location

**Location:** Carmen Anaya Elementary School - PSJA  
1000 W Dicker Rd  
Pharr, TX 78577

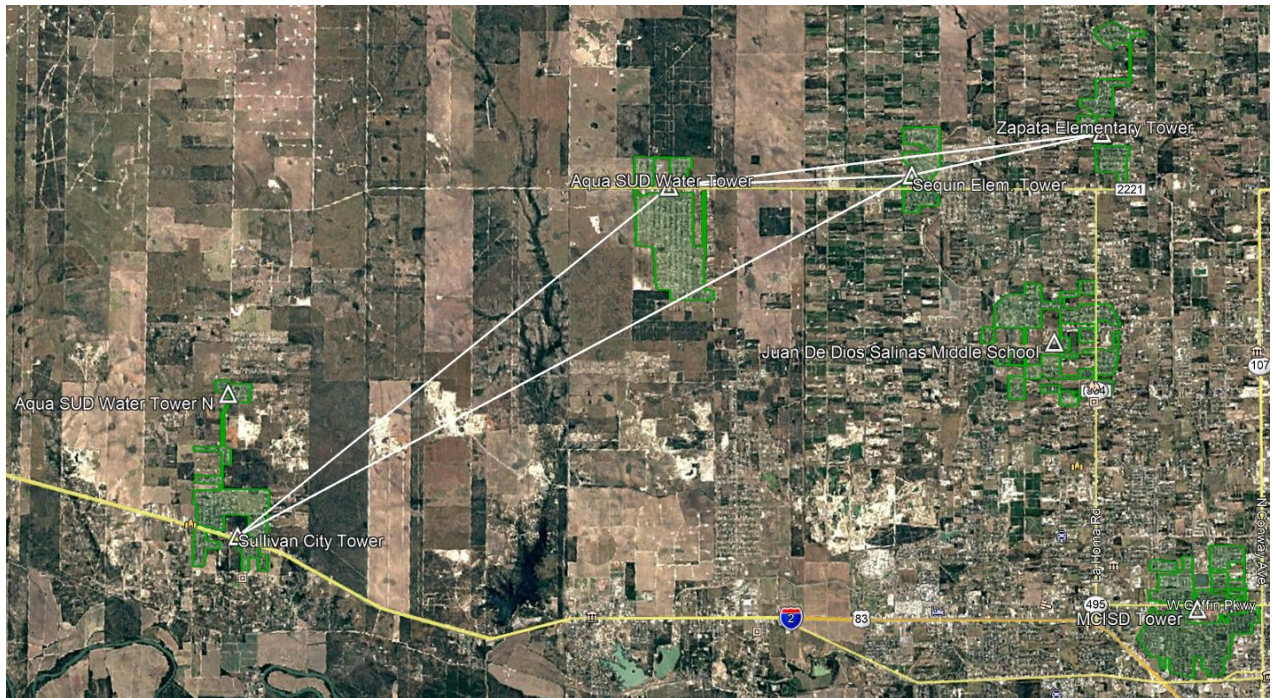






## Precinct 3 Area Map

**Total Students: 8,011**





## Precinct 3 Area - Zone 1

**No. of Students:** 762 La Joya ISD

**Sq. Miles:** 1.1

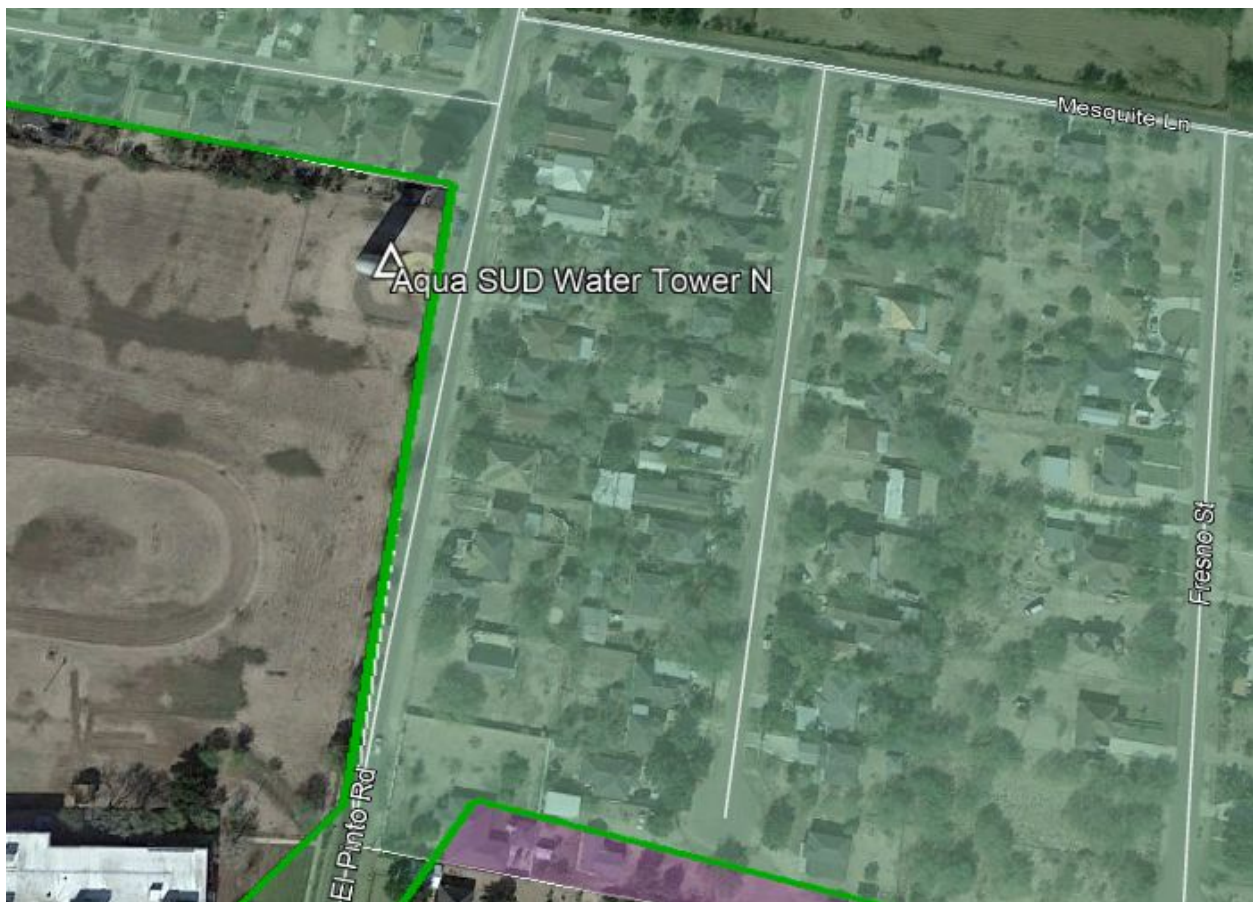
**Location:** Sullivan City





## Proposed Tower Location 1

**Location:** Aqua SUD Water Tower  
El Pinto Rd, Sullivan City





## Proposed Tower Location 2

**Location:** Sullivan City WIC - Hidalgo County  
371 W Expy 83,  
Sullivan City, TX 78595





## Precinct 3 Area - Zone 2

**No. of Students:** 1586 La Joya ISD

**Sq. Miles:** 1.47

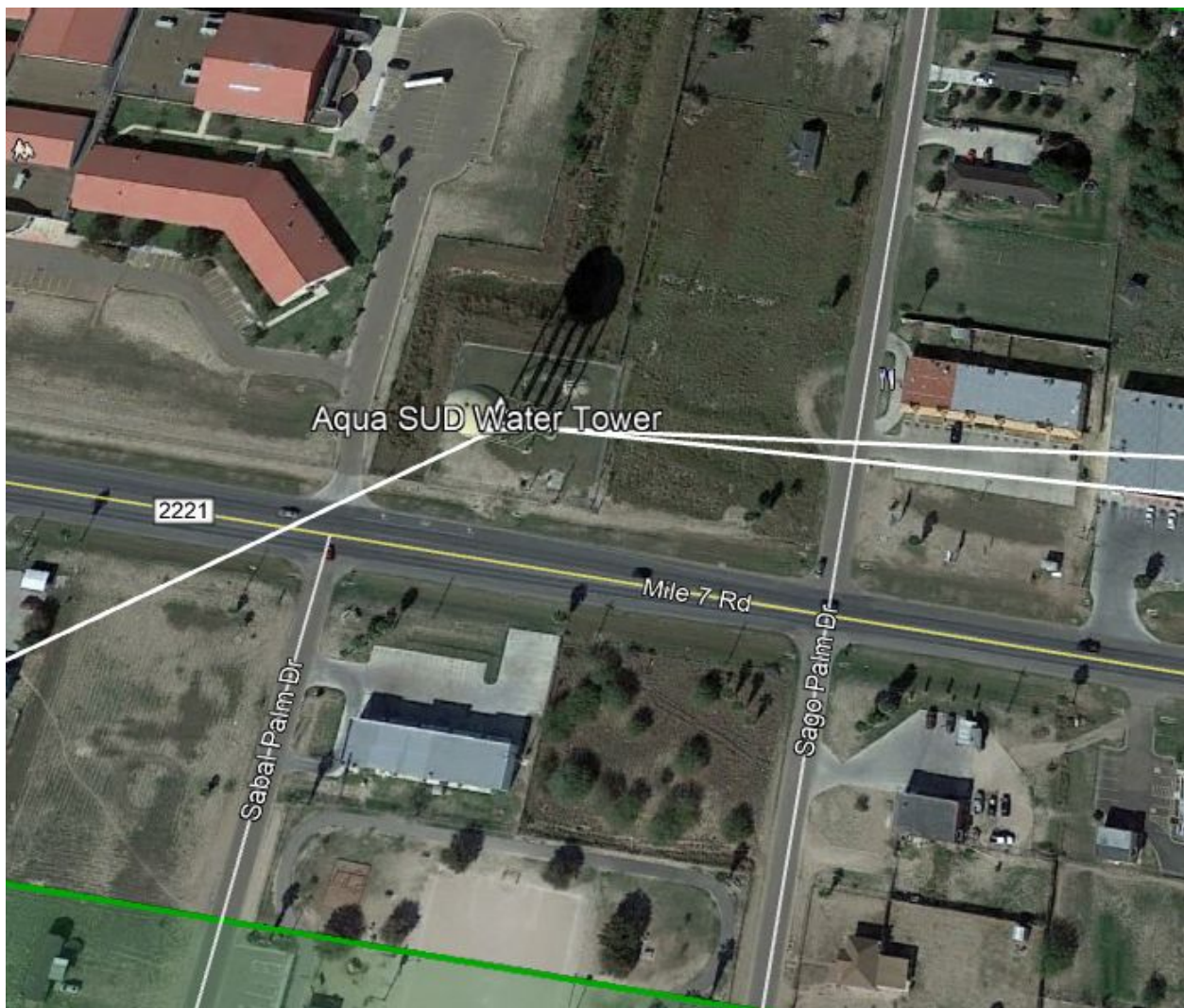
**Location:** Mile 7 Rd





## Proposed Tower Location

**Location:** Aqua SUD Water Tower  
Mile 7 Rd and Sabal Palm Dr



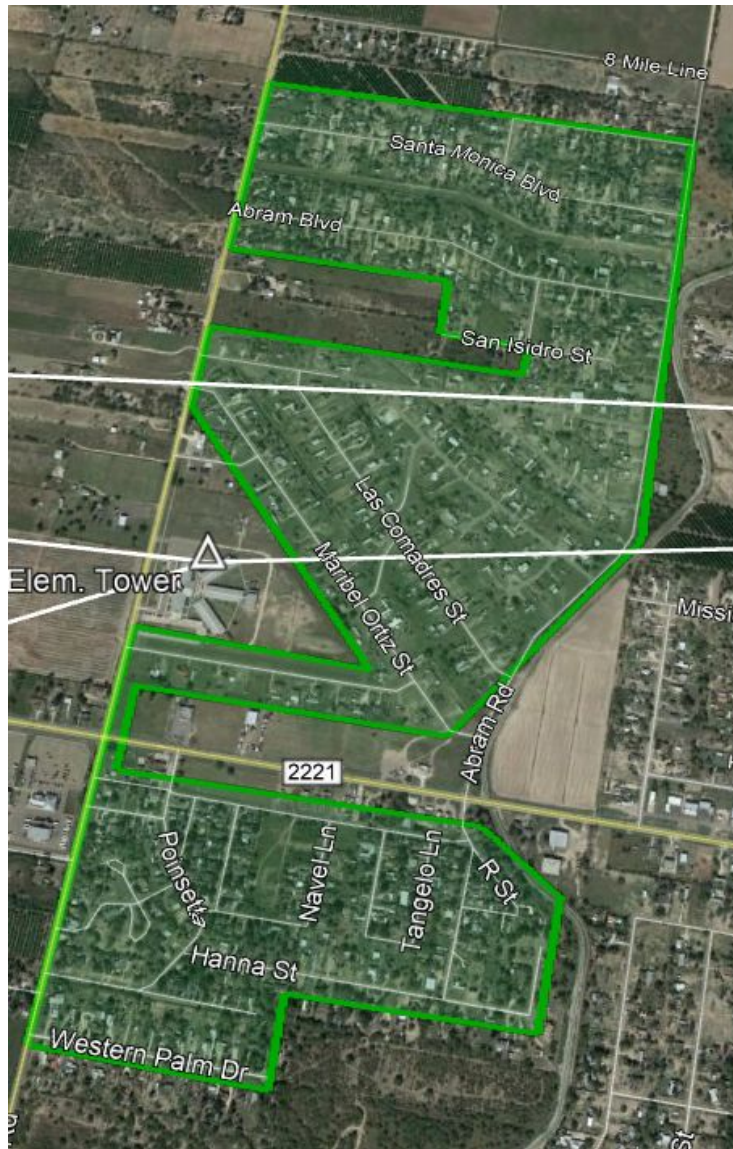


## Precinct 3 Area - Zone 3

**No. of Students:** 421 La Joya ISD

**Sq. Miles:** 0.49

**Location:** W. Mile 7 Rd. and Western Rd.





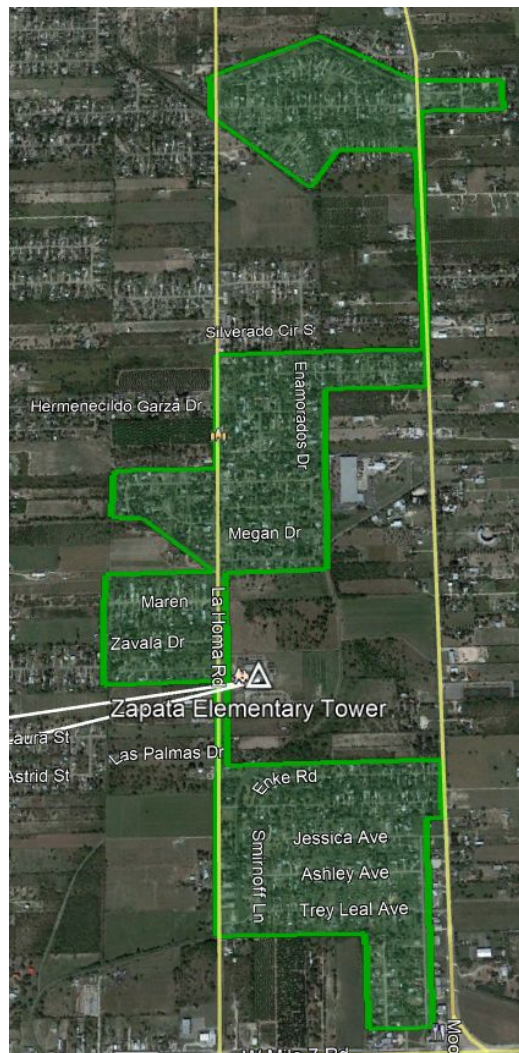


## Precinct 3 Area - Zone 4

**No. of Students:** 755 La Joya ISD

**Sq. Miles:** 0.64

**Location:** W. Mile 7 Rd. and La Homa Rd.





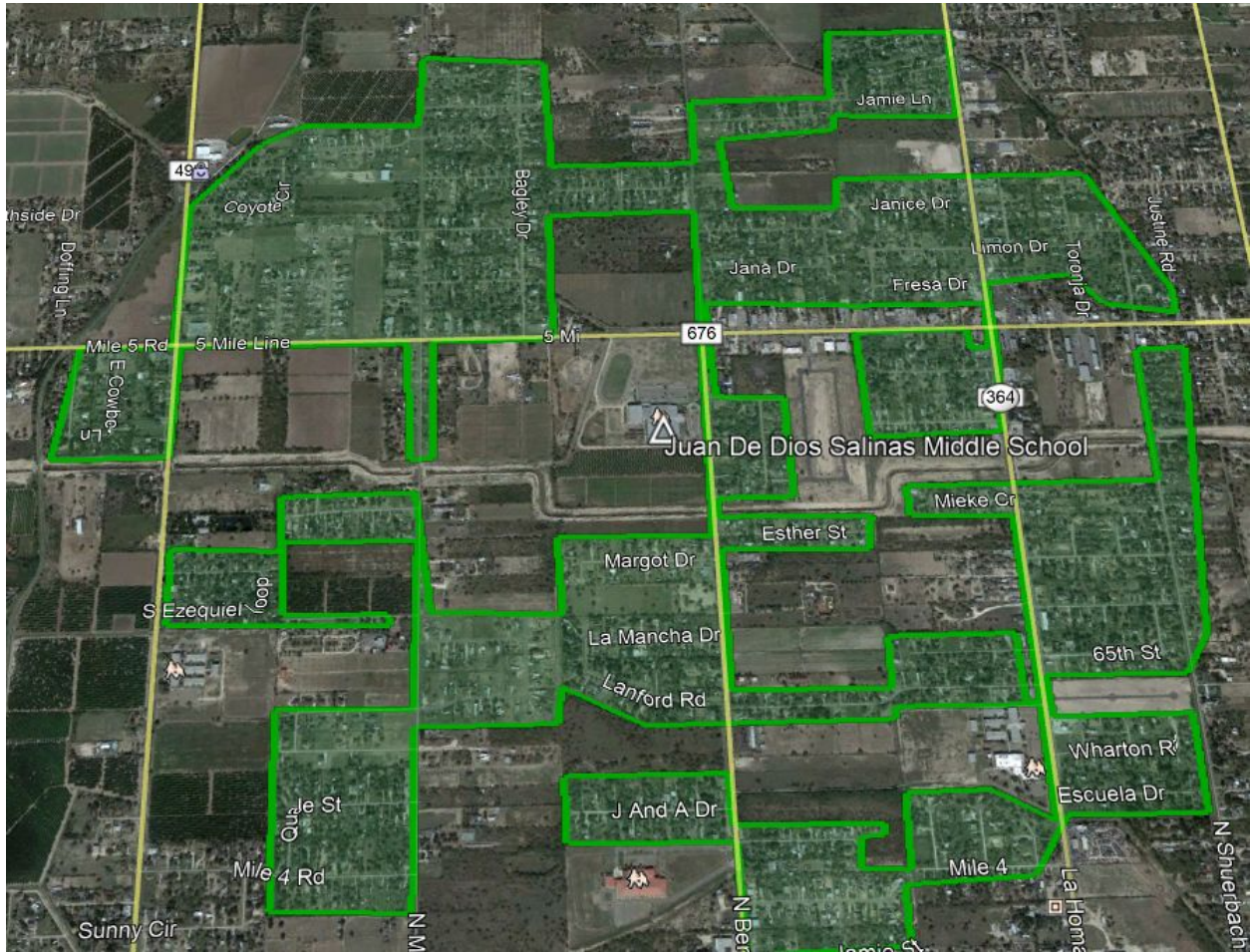


## Precinct 3 Area - Zone 5

**No. of Students:** 2000 La Joya ISD

**Sq. Miles:** 1.44

**Location:** 5 Mile Line and N. Bentsen Palm Dr.





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## Proposed Tower Location

**Location:** Juan de Dios Salinas Middle School - La Joya ISD  
6101 N Bentsen Palm Dr,  
Mission, TX 78574





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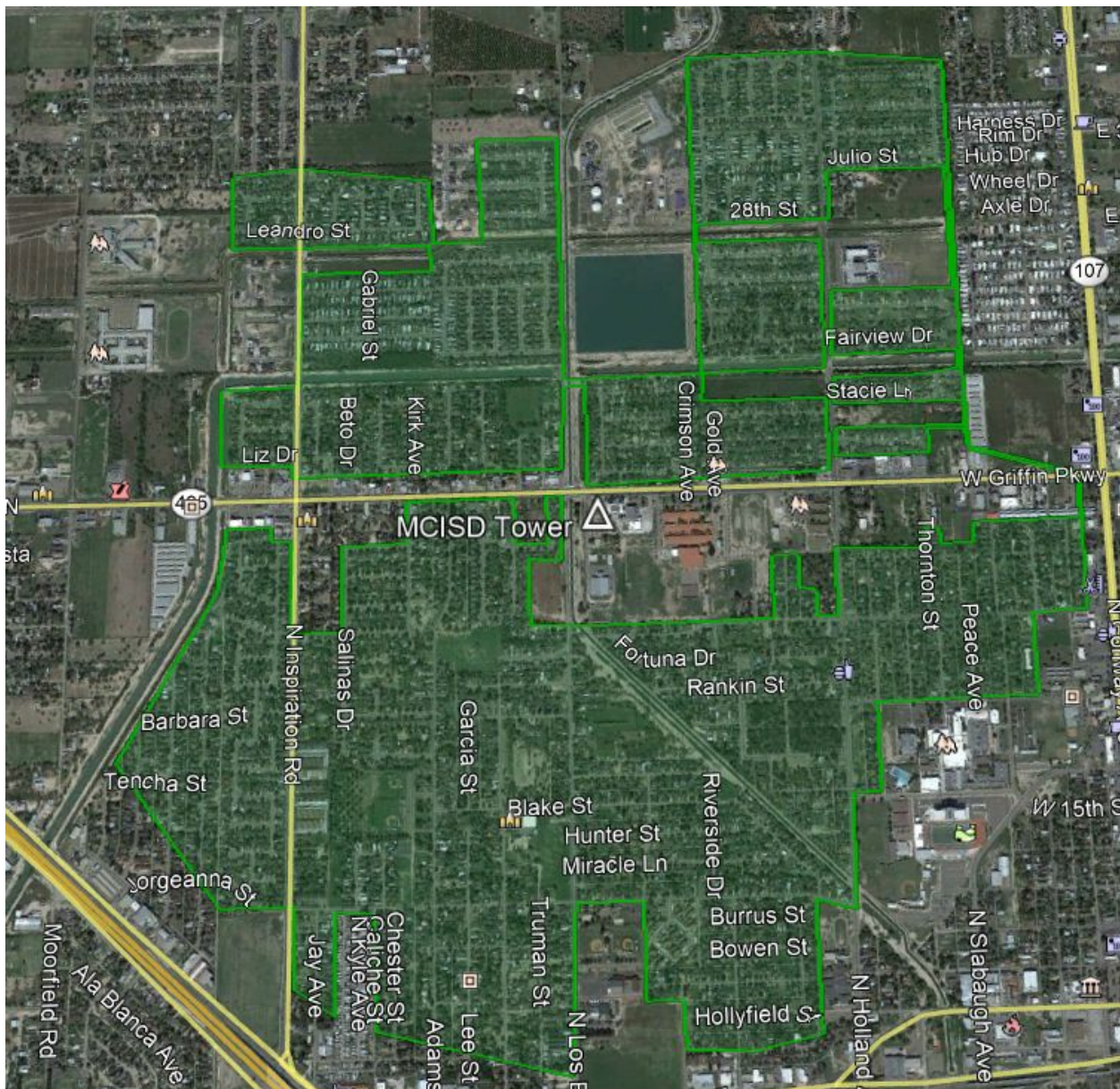
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## Precinct 3 Area - Zone 6

**No. of Students:** 2487 Mission CISD

**Sq. Miles:** 1.71

**Location:** Mission W. Griffin Pkwy





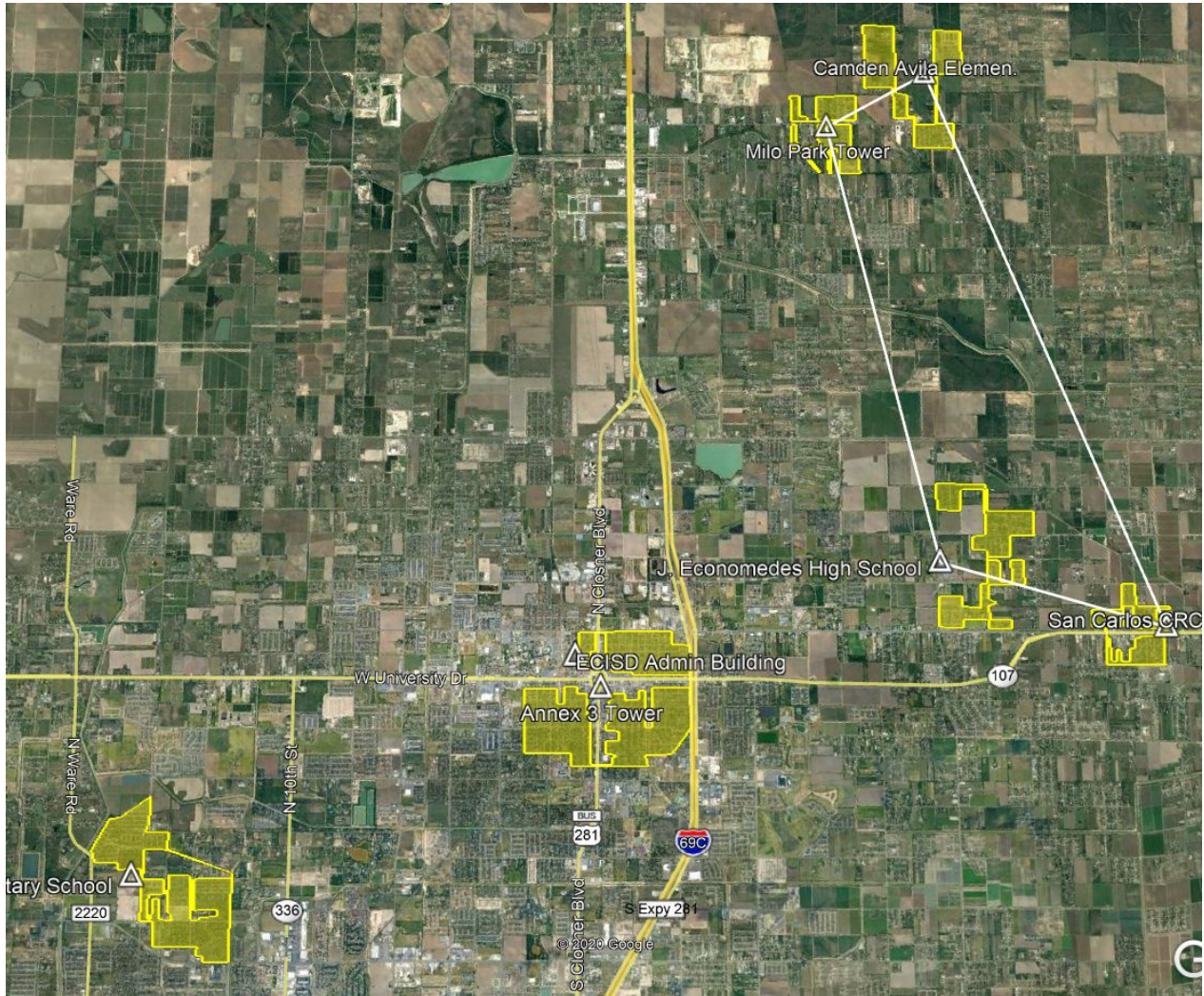


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## Precinct 4 Area Map

**Total Students: 8,315**





## Precinct 4 Area - Zone 1

**No. of Students:** 661 Edinburg CISD

**Sq. Miles:** 0.35

**Location:** Milo Park Hidalgo





## Proposed Tower Location

**Location:** Milo Ponce Park - Hidalgo County  
3516 E. FM 2812  
Edinburg, TX



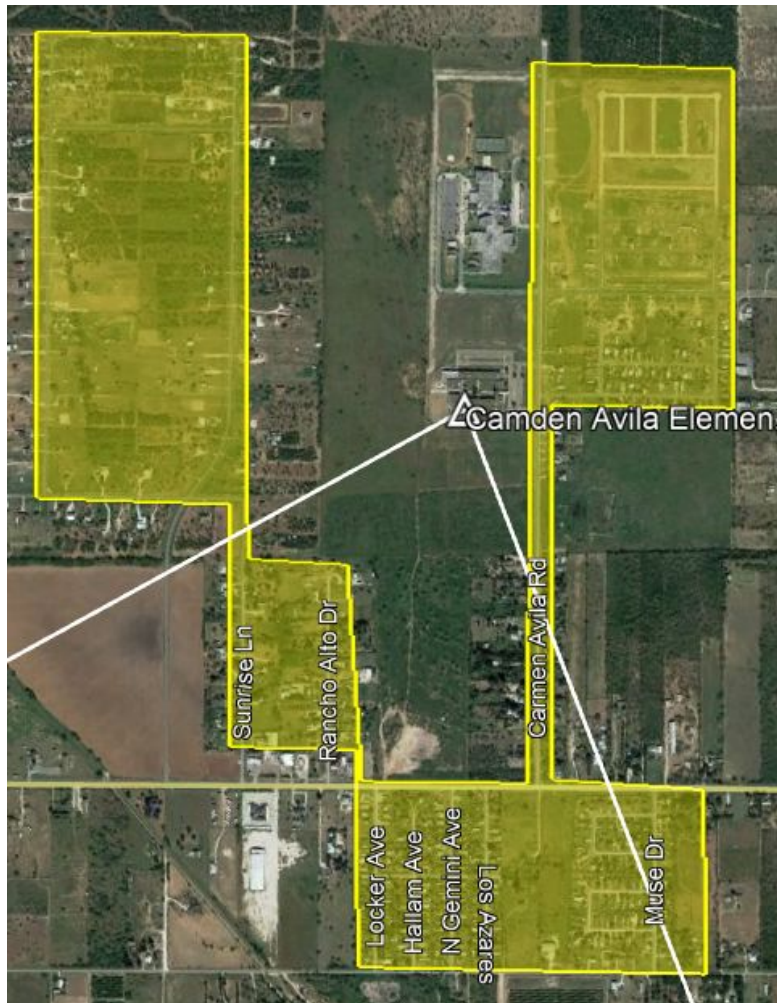


## Precinct 4 Area - Zone 2

**No. of Students:** 1,115 Edinburg CISD

**Sq. Miles:** 0.56

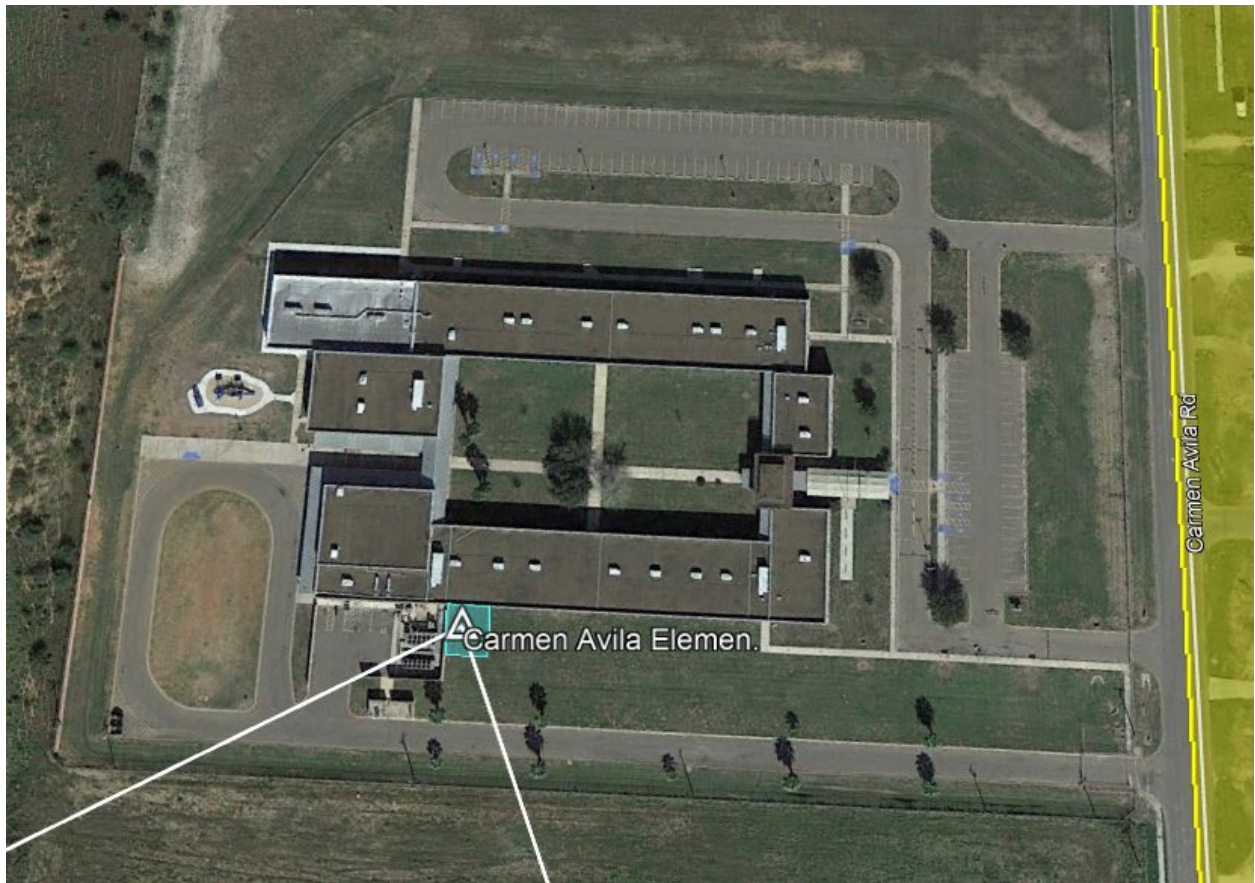
**Location:** NE of Edinburg





## Proposed Tower Location

**Location:** Carmen Avila Elementary - Edinburg CISD  
9205 Carmen Avila Rd  
Edinburg, TX 78542



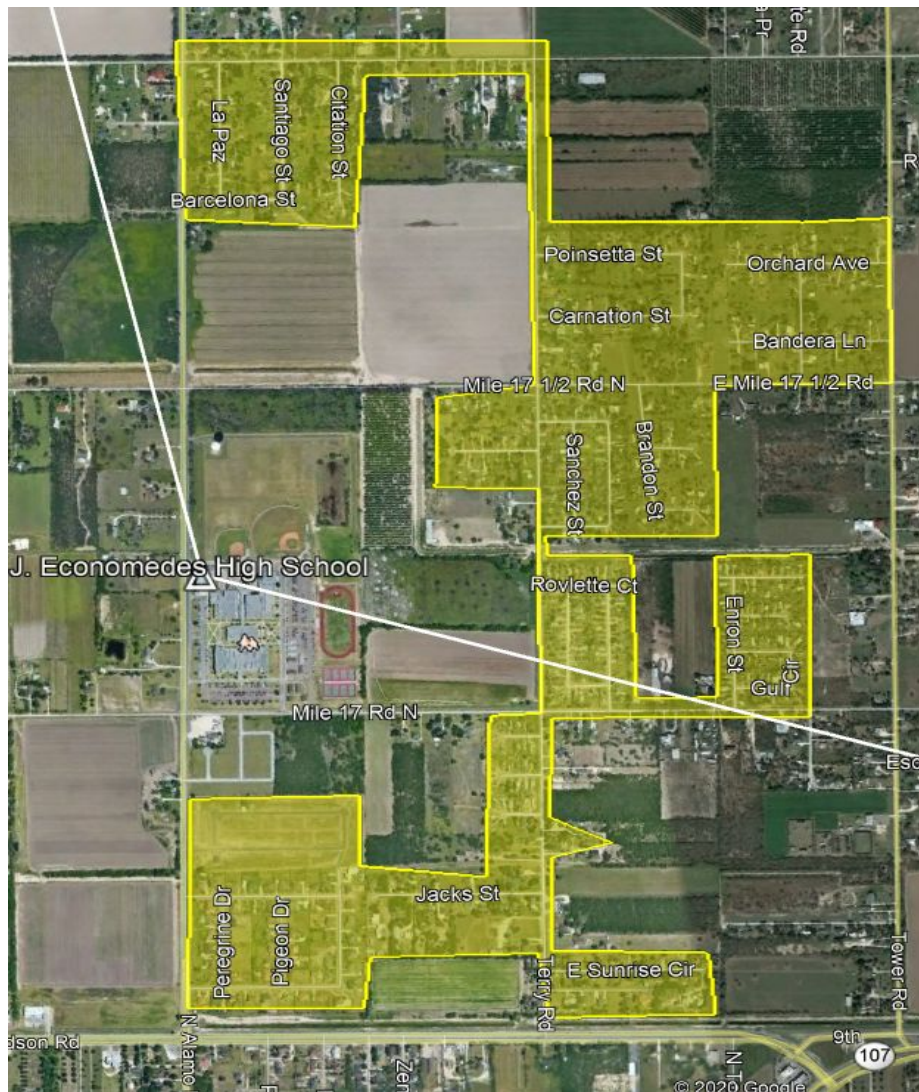


## Precinct 4 Area - Zone 3

**No. of Students:** 781 Edinburg CISD

**Sq. Miles:** 0.53

**Location:** West of Elsa





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## Proposed Tower Location

**Location:** Economedes High School - Edinburg CISD  
1414 N Alamo Rd,  
Edinburg, TX 78542





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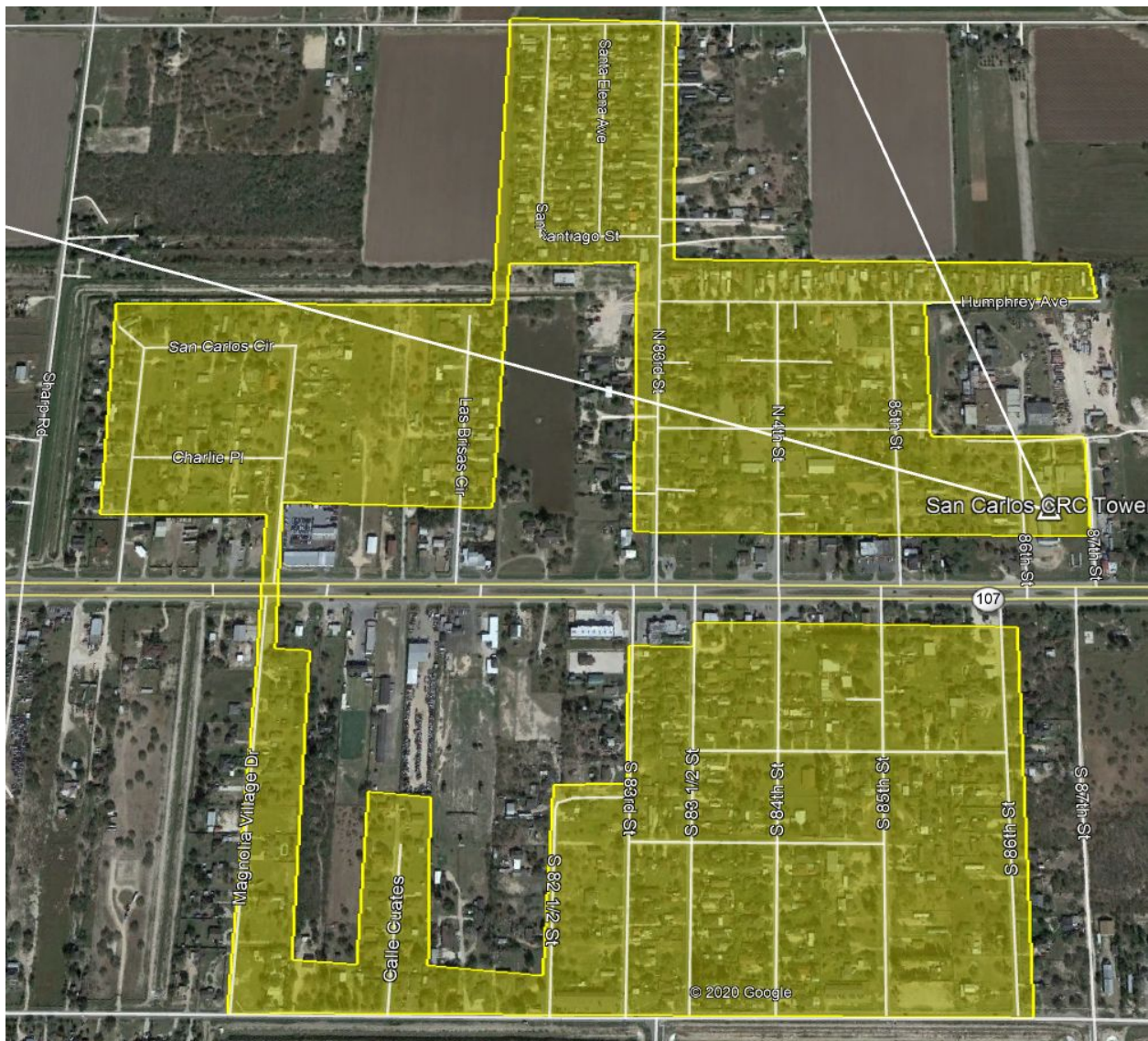
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## Precinct 4 Area - Zone 4

**No. of Students:** 650 Edinburg CISD

**Sq. Miles:** 0.28

**Location:** San Carlos





## Proposed Tower Location

**Location:** San Carlos CRC - Hidalgo County  
86th St  
San Carlos, TX



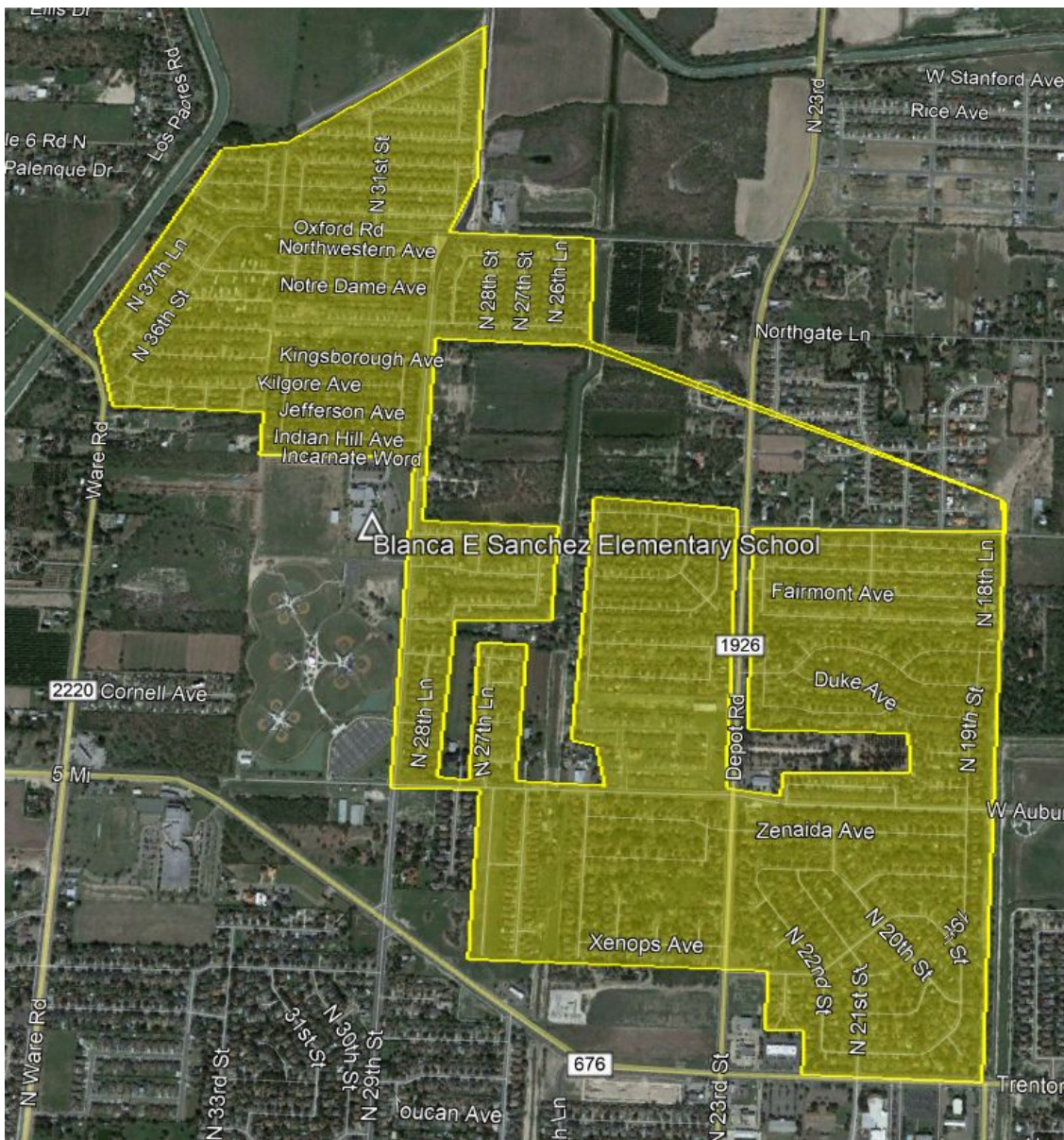


## Precinct 4 Area - Zone 5

**No. of Students:** 1394 McAllen ISD

**Sq. Miles:** 1.34

**Location:** North McAllen









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## Proposed Tower Location 1

**Location:** ECISD Admin Building - Edinburg CISD  
411 N 8th Ave  
Edinburg TX 78541







## Tower Types





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### Type 1 - 75 FT Self Standing Tower

- 75ft Antenna
- 10x10 sq ft area for concrete and fencing
- Building must supply power to the tower
- Depth will be 9 ft from ground level

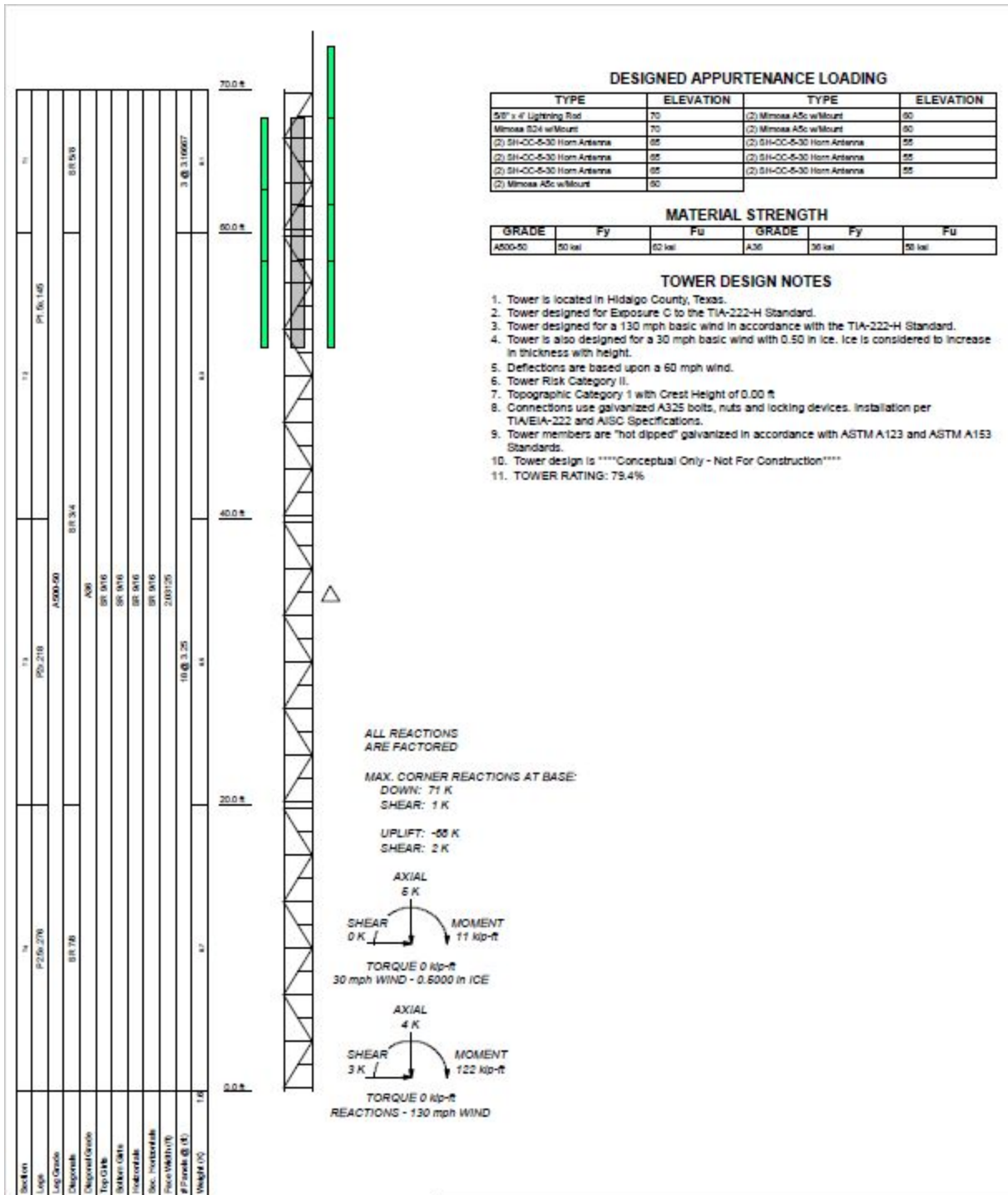
Below are the tower specifications:





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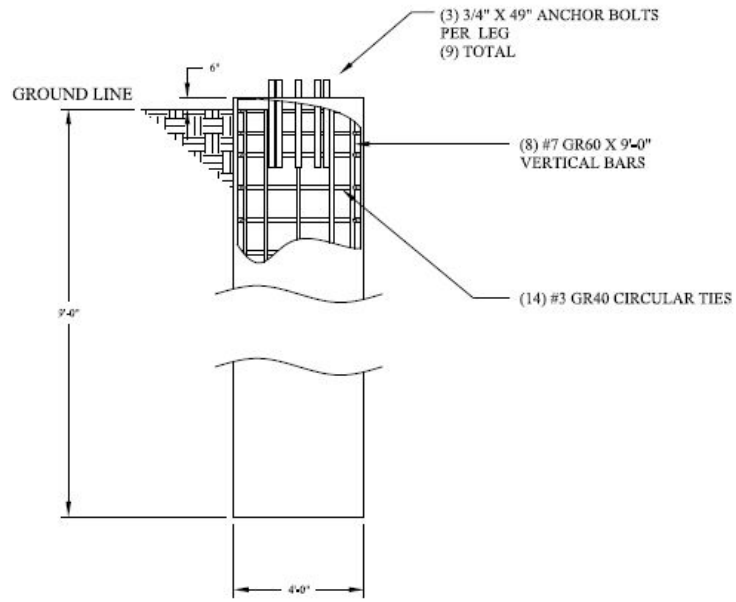


## Information Technology

\*\*\*NOT FOR CONSTRUCTION\*\*\*

NOTES

1. FOUNDATION IS FOUND IN TIA/F
  2. 4.5 C.Y. CONCRETE
- ONE PIER FOUNDATION



**SIDE VIEW**

PROPRIETARY DRAWINGS  
CONFIDENTIAL INFORMATION WHICH CANNOT BE  
ISSUED, COPIED, OR USED BY OTHERS WITHOUT  
WRITTEN AUTHORIZATION BY WESTERN TOWERS.  
FOR USE BY WESTERN TOWERS ONLY.



## Antenna Type 2

Rooftop will require power from the building.

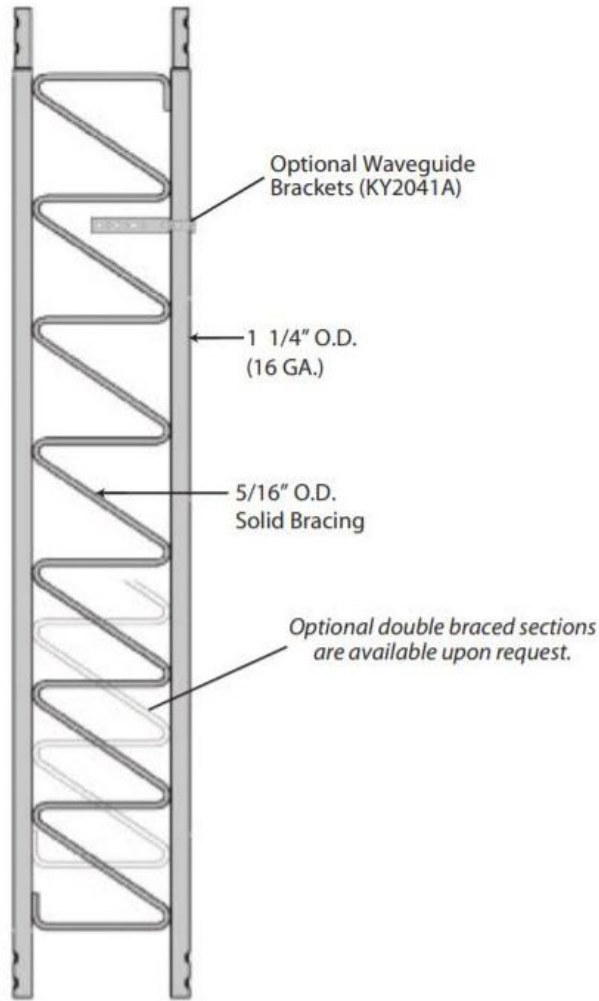




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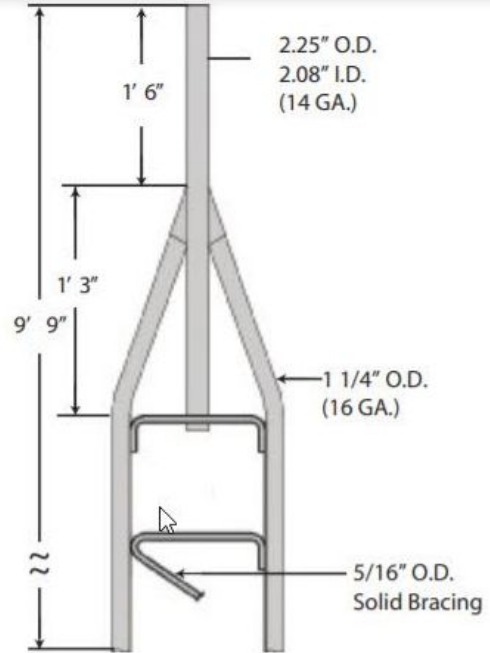


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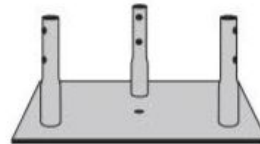
**STANDARD SECTION  
25G - 10' Section**

**OPTIONAL 7' SECTION  
25G7 - 7' Section**  
The 7' Section is UPS shippable.



**STANDARD TOP SECTION  
25AG2**

Additional 25G top sections are shown on page 37.



**CONCRETE BASE PLATE  
BPC25G\***

FOR USE WITH 3/4X12PP PIER PIN  
EMBEDDED IN CONCRETE.

Additional base sections are available, please see page 38.



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The 25GBRM mount is designed to support one or two 25G tower sections in a self-supporting application. The 25GBRM mount is galvanized after fabrication for corrosion protection.

Order (1) optional BRM6MAT (1/8" thick) or (1) optional BRM6PAD (3/8" thick) for a protective barrier between the mount and the roof. Order (1) optional SCK150 safety cable kit (3/16" x 150').

Refer to page 266 for ballast requirements.

