

Appendix F.
Viewshed Supporting Images

Viewshed Simulations and Supporting Images

August 2021

Map overview of figure locations



Map overview of figure locations



Figure A. View to the north of the launchpad.



Latitude: 25°59'54.69"N
Longitude: 97° 9'26.90"W
Distance to Vertical Launch Area: 120 feet
Date Taken: April 12, 2021

Figure B. View to the south of the launchpad.



Latitude: 25°59'47.35"N
Longitude: 97° 9'27.63"W
Distance to Vertical Launch Area: 0 feet
Date Taken: August 3, 2021

Figure C. View to the west of the launchpad, SpaceX production and manufacturing visible in the background.



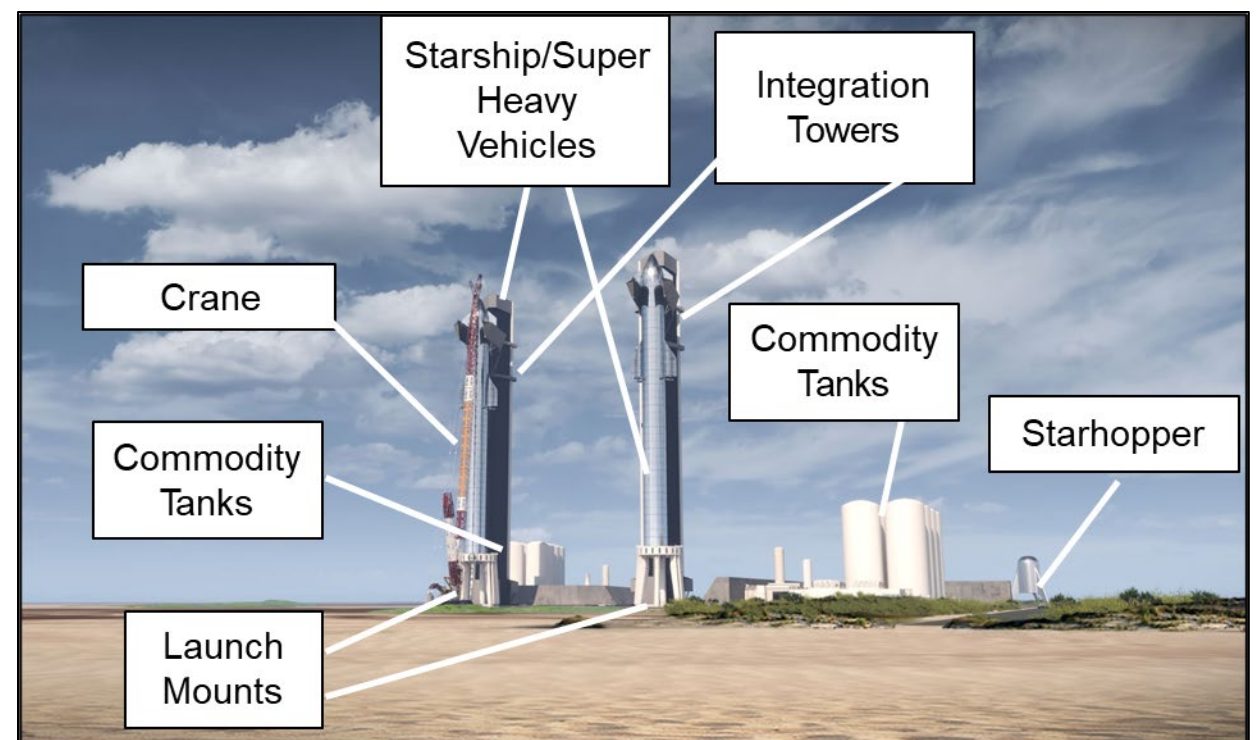
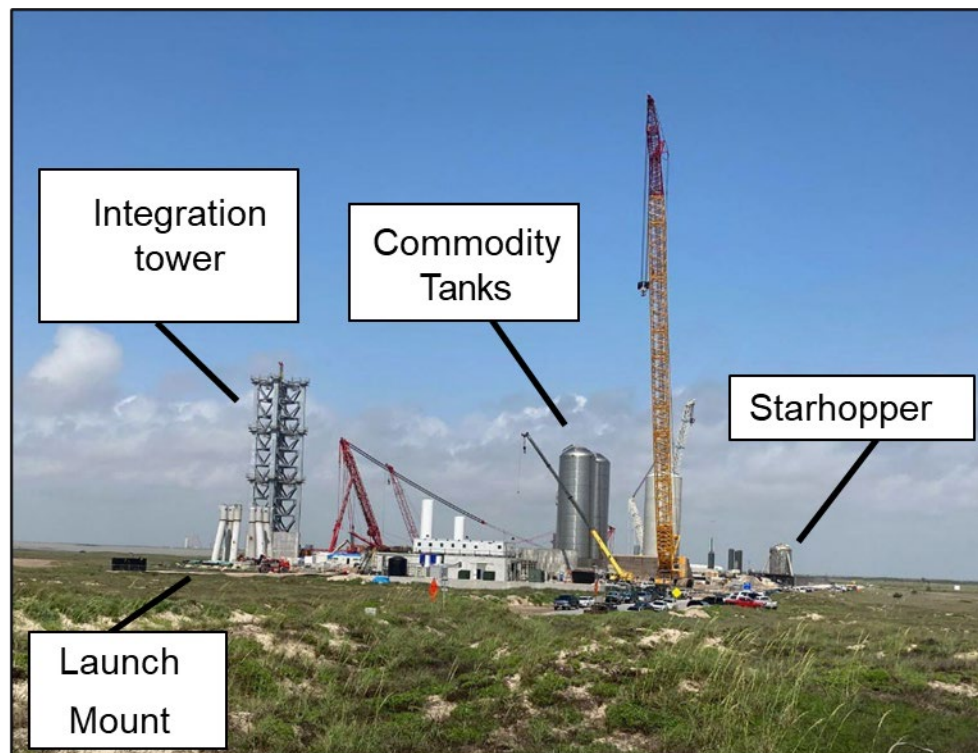
Latitude: 25 59'54.06"N
Longitude: 97 9'26.90"W
Distance to Vertical Launch Area: 250 feet
Date Taken: April 12, 2021

Figure D. View to the east of the launchpad towards Boca Chica Beach.



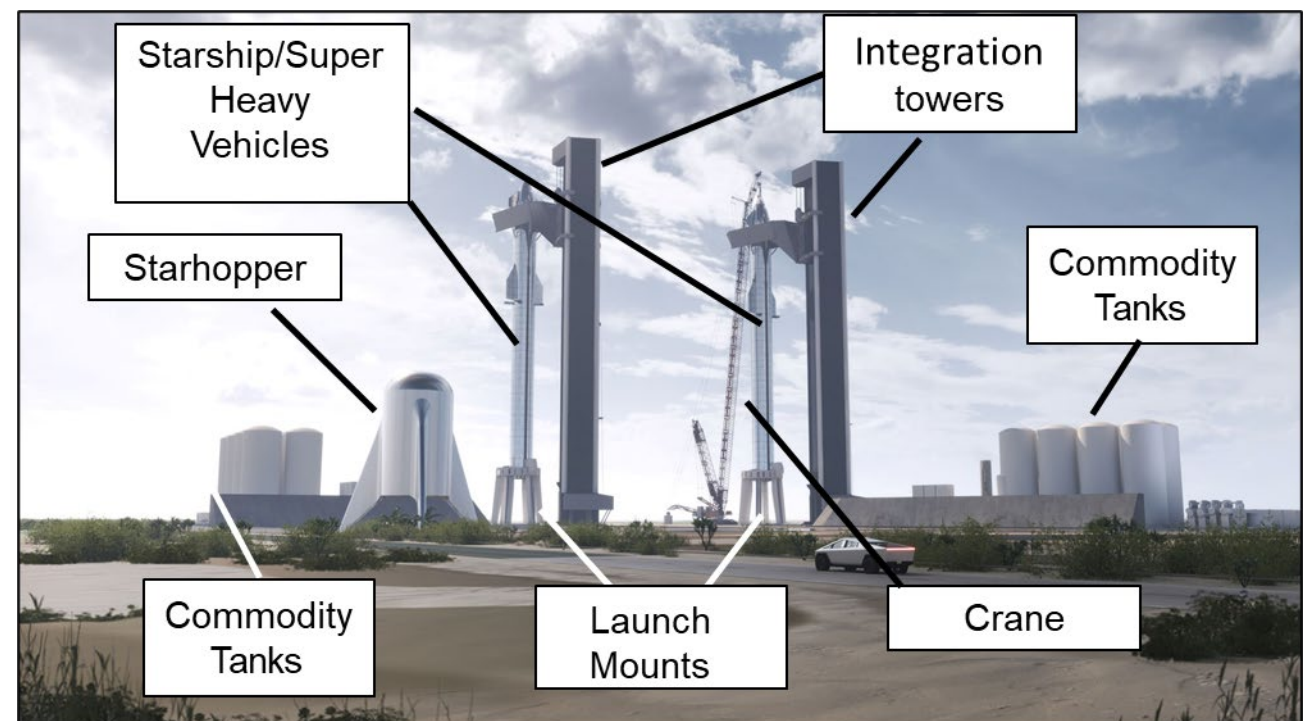
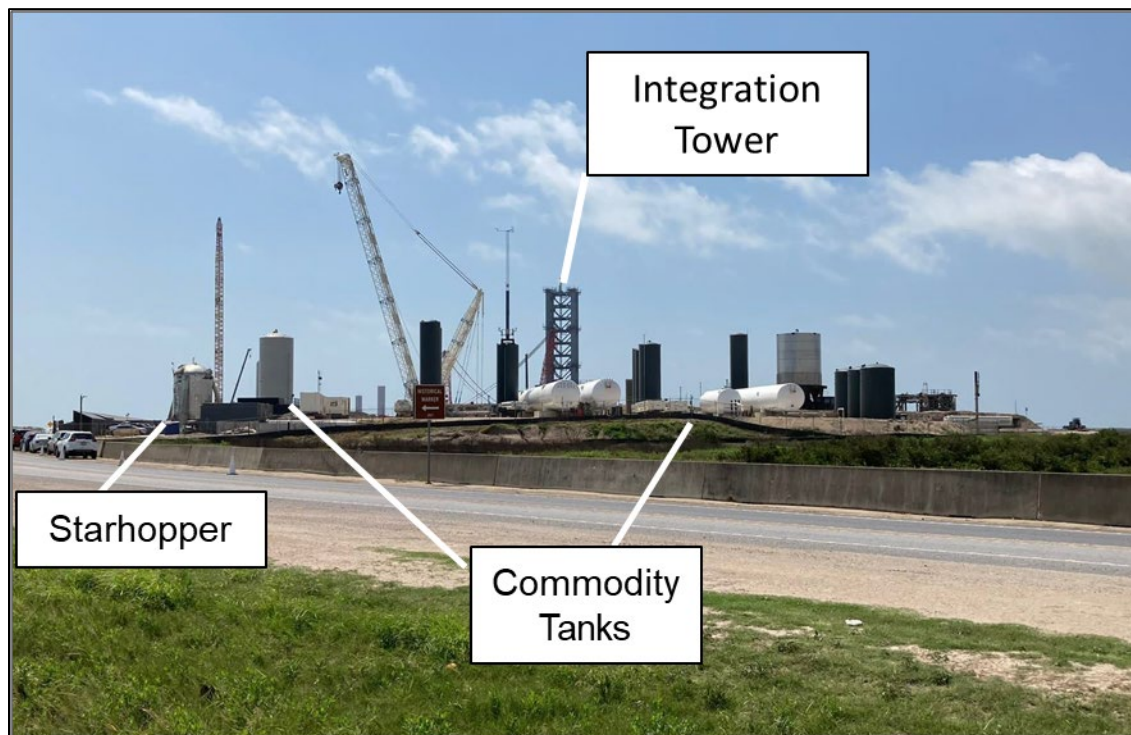
Latitude: 25°59'52.54'N
Longitude: : 97 9'21.90"W
Distance to Vertical Launch Area: 0 feet
Date Taken: April 12, 2021

Figure E. View of the launchpad from Boca Chica Beach dunes, facing west. Left taken in 2021, right rendering of the Proposed Action.



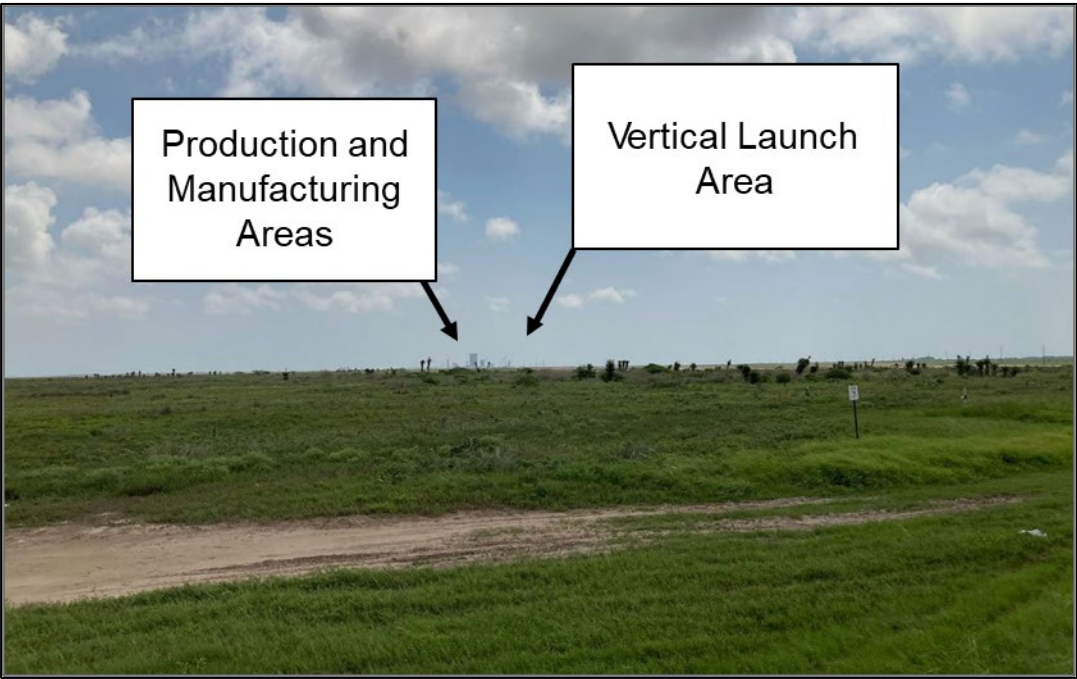
Latitude: 25°59'56.91"N
Longitude: 97° 9'5.39"W
Distance to Vertical Launch Area: 800 feet
Date Taken: June 6, 2021

**Figure F. View of the launch pad from the Palmetto Pilings Historical Marker, adjacent to the Vertical Launch Area.
Left taken in 2021, right rendering of the Proposed Action**



Latitude: 25°59'53.86"N
Longitude: 97° 9'31.71"W
Distance to Vertical Launch Area: 250 feet
Date Taken: June 6, 2021

Figure G. View towards SpaceX facility taken 5 miles from the Vertical Launch Area. Left taken in 2021, production and manufacturing structures visible in center. Right rendering of the Proposed Action, production and manufacturing structures visible to the left, integration towers visible to the right.



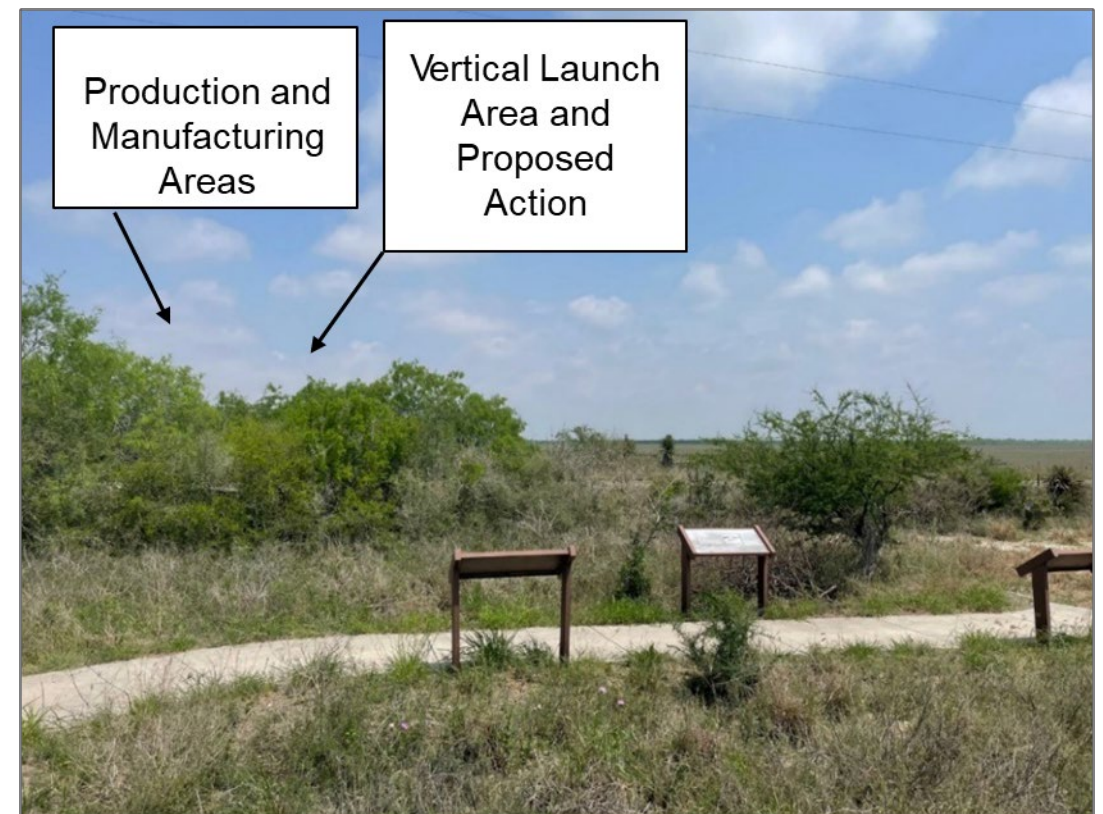
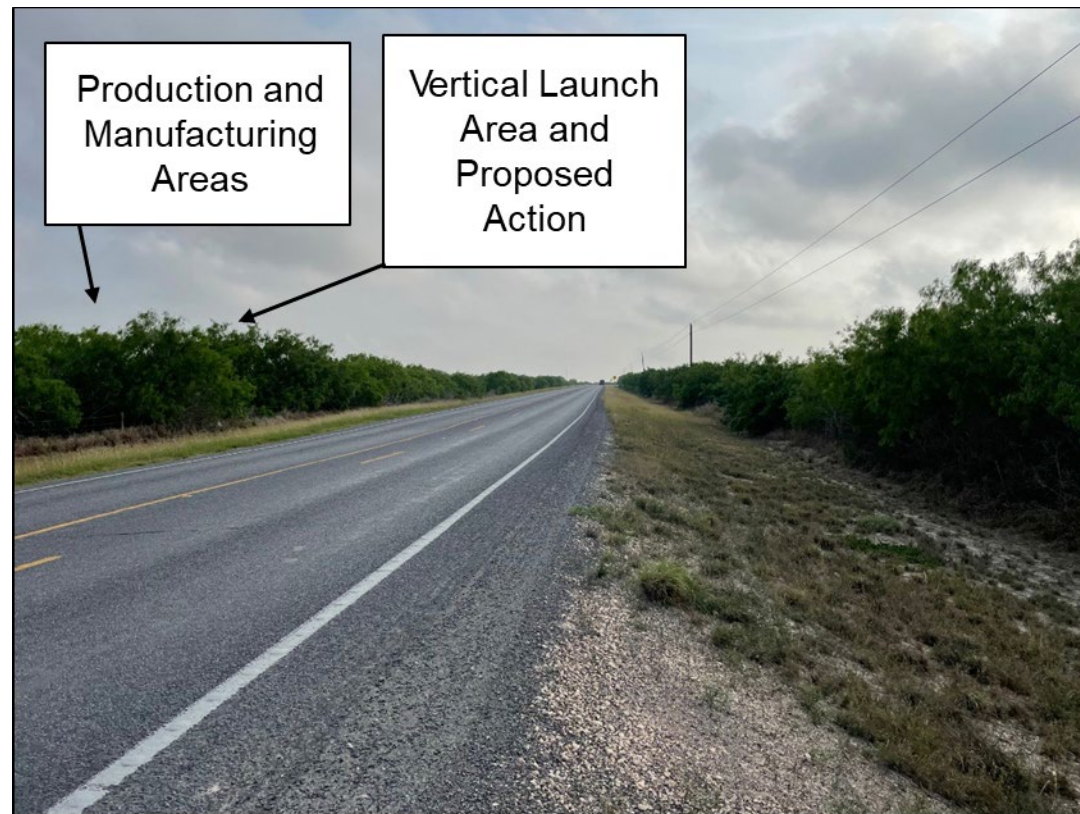
Latitude: 25°57'46.97"N
Longitude: 97°13'39.82"W
Distance to Vertical Launch Area: 5 miles
Date Taken: June 6, 2021

Figure H. Current view towards SpaceX facility taken 5 miles from the Vertical Launch Area; SpaceX production and manufacturing infrastructure visible in center, nighttime. Lights from Proposed Action would be similar to current visible lighting.



Latitude: 25°59'53.86"N
Longitude: 97° 9'31.71"W
Distance to Vertical Launch Area: 5 miles
Date Taken: June 6, 2021

Figure I. Views towards the SpaceX facility, approximately 10 miles from the Vertical Launch Area. Left- view from the Palmito Ranch Battlefield Historic Landmark, SpaceX production and manufacturing and launch site obscured by trees. Right- view from the Palmito Ranch Battlefield Interpretive Platform in the core-battlefield area, SpaceX production and manufacturing and launch site obscured by trees. Proposed Action not anticipated to change the view due to trees obstructing the view of the area.



Latitude: 25°57'42.40"N
Longitude: 97°18'4.14"W
Distance to Vertical Launch Area: 10 miles
Date Taken: April 12, 2021

Figure J. Current view towards SpaceX facility taken 10 miles from the Launch Site, nighttime, with flash. The nighttime viewshed from 10 miles away from the Vertical Launch Area is not anticipated to change.



Latitude: 25°57'42.40"N
Longitude: 97°18'4.14"W
Distance to Vertical Launch Area: 10 miles
Date Taken: April 12, 2021

Figure K. Nighttime view of the launchpad from the dunes at Boca Chica Beach. Launchpad under construction at time of photo.



Latitude: 25°59'56.91"N

Longitude: 97° 9'5.39 "W

Distance to Vertical Launch Area: 800 ft

Date Taken: August 3, 2021

Figure L. Nighttime view of the launchpad from Boca Chica Beach, behind the dunes. Launchpad under construction at time of photo.



Latitude: 25°59'44.52"N

Longitude: 97° 9'1.12"W

Distance to Vertical Launch Area: 1,200 feet

Date Taken: August 3, 2021

Figure M. Nighttime view of the launchpad from the 1864-1865 pilings, north of the launchpad. Launchpad under construction at time of photo.



Latitude: 25°0'1.72"N
Longitude: 97° 9'25.87"W
Distance to Vertical Launch Area: 900 feet
Date Taken: August 3, 2021