ERIC MARCUS MUNICIPAL AIRPORT
FENCE PROJECT (PO1-AJO, AZ)

GENERAL DESCRIPTION OF PROJECT

The overall project consists of construction of approximately 17,800 lineal feet of fence with four gates, one cattle guard, and swale crossing fencing around the perimeter of Eric Marcus Municipal Airport, located four miles north of Ajo, Arizona.

PROJECT NUMBER
4AJOAP

FAA PROJECT NUMBER
3.04.0001.003

RICHARD ELIAS, CHAIRMAN, DISTRICT 5

ALLY MILLER, DISTRICT 1 RAMÓN VALADEZ, DISTRICT 2
SHARON BRONSON, DISTRICT 3 STEVE CHRISTY, DISTRICT 4

This Project is Located Within Supervisor District 3
EXISTING TOPOGRAPHIC CONDITIONS SHOWN ON PLAN SHEETS REFLECT CONDITIONS AS OF FEBRUARY 2019.

EXCAVATION, EMBANKMENT AND OTHER CONSTRUCTION ACTIVITIES.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE LIMITED AREA AVAILABLE ON THE SITE FOR OTHERWISE NOTED AND SHOWN IN THESE PLANS.

EXISTING UTILITIES INCLUDE, BUT MAY NOT BE LIMITED TO, OVERHEAD AND UNDERGROUND ELECTRIC, WORK.

SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND RESOLVED BEFORE PROCEEDING WITH THE SOLID WASTE COLLECTIONS, AND/OR ACCESS TO THE ADJACENT PROPERTIES, EXCEPT AS APPROVED BY THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS, ALLEYS, AND MAILBOXES DURING SOILS INFORMATION: NOT USED.

BASIS OF COORDINATES: ARIZONA STATE PLANE COORDINATES, NAD 83, CENTRAL ZONE.

AT ARIZONA STATE PLANE COORDINATES, NAD 83, NORTH 529846.080, EAST 409853.820. SAID BASIS OF ELEVATION: THE BASIS OF ELEVATION FOR THIS PROJECT IS NGS VERTICAL BM X332 FOUND EAST 405159.569. SAID BEARING BEING NORTH 02°45'59" WEST.

NGS POINT MEAD FOUND AT ARIZONA CENTRAL STATE PLANE COORDINATES, NAD 83, NORTH 532138.441, FOUND AT ARIZONA STATE PLANE COORDINATES, NAD 83, NORTH 525118.669, EAST 405498.7810, AND BASIS OF BEARING: THE BASIS OF BEARING FOR THIS PROJECT IS A LINE FROM NGS POINT AIRPORT "ARIZONA NATIVE PLANT LAW" A.R.S, CHAPTER 7.

REMOVAL OF ALL CACTI AND NATIVE PLANTS SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF THE PRIOR TO BEGINNING CONSTRUCTION (SATURDAYS AND SUNDAYS ARE NOT CONSIDERED WORKING DAYS).

COMMENCING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES WITH THE TO THE DEPARTMENT, UTILITY LOCATIONS ARE NOT INTENDED TO BE EXACT OR COMPLETE. PRIOR TO UTILITY LOCATIONS SHOWN ON THE PLANS WERE COMPLIED BASED ON THE BEST INFORMATION AVAILABLE CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE SPECIFICATIONS AND DETAILS LISTED IN THE

CONSTRUCTION NOTES

1. CLEARING AND GRUBBING BOUNDARY WILL BE LIMITED TO THE DIMENSIONS SHOWN ON THE PLAN DETAILS AND OUTLINED IN THE CONSTRUCTION PLAN.

2. CONSTRUCTION ACCESS TO THE PROJECT SITE IS LIMITED TO THE ACCESS ROUTES IDENTIFIED AND THE PAVED ENTRANCE FROM AIRPORT ROAD.

3. CONSTRUCTION ACTIVITY IS LIMITED TO THE ESTABLISHED ACCESS ROUTES, STAGING AREAS, AND ENVIRONMENTALLY CLEANED AREA OF GROUND DISTURBANCE ALONG THE FENCE ALIGNMENT.

4. CONTRACTOR TO SEED VEGETATION AREAS DISTURBED BY CLEARING AND GRUBBING ACTIVITIES.

SURVEY CONTROL POINTS

<table>
<thead>
<tr>
<th>PT NO</th>
<th>NORTHING</th>
<th>EASTING</th>
<th>ELEVATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1001</td>
<td>525166.99</td>
<td>404761.70</td>
<td>1478.436'</td>
</tr>
<tr>
<td>1002</td>
<td>531058.44</td>
<td>404761.70</td>
<td>1415.65'</td>
</tr>
<tr>
<td>1003</td>
<td>531059.90</td>
<td>404761.70</td>
<td>1406.654'</td>
</tr>
<tr>
<td>1013</td>
<td>425091.39</td>
<td>412999.56</td>
<td>1473.491'</td>
</tr>
<tr>
<td>1014</td>
<td>425092.50</td>
<td>412876.07</td>
<td>1401.213'</td>
</tr>
</tbody>
</table>

Notes: See cover sheet for Survey Control Points, Basis of Bearing, and Basis of Elevation data.
GENERAL NOTES

1. Length of post and braces shall not be less than 7'-0".

2. Woven wire fence fabric shall be attached to the line posts at the top, bottom, and intermediate wires, and shall be placed on the side of the posts away from the main roadway.

3. Intermediate Post Assemblies shall be located as shown and at intervals to utilize standard rolls to minimize cutting and waste.

4. A twisted wire stay shall be centered between posts.

5. For information not shown, see ADOT C-12.10 and ADOT Standard Specification Section 903-2.02.

FENCE FABRIC DIMENSIONS AND DESIGN NUMBERS

- 10" Diameter x 3'-0" Concrete Footing (Typ)
- 1'-0" x 1'-0" x 1'-6" Concrete Footing (Typ)
- 12'-0" Maximum at Corner
- 16'-0" Maximum (Typ)
- 15' Clear and Grub/Seeding Limits, Typ
- 10' Clear and Grub/Seeding Limits

TYPICAL WOVEN WIRE FENCE INSTALLATION-TYPE 1 (WW) SHOWN

TYPICAL WOVEN WIRE (WW)

TYPICAL FENCE LOCATION

- Inside Airfield
- Outside Airfield
- Various 5' to 12' along Concrete Apron
- Post
- Fence Fabric
- Finished Grade
- Secure Side
- Non-Secure Side
SWALE CROSSING FENCE

GENERAL NOTES
1. For information not shown, see ADOT C-12.10 and ADOT Standard Specification Section 903-2.02.

Detal B

Concrete Footing (Typ)
10" Diameter x 3'-0" Length as Required

SWALE CROSSING FENCE

Intermediate Post Assembly
ADOT C-12.10 Detail B
Sheet 5 of 5

Gate/End Post Assembly
ADOT C-12.10 Detail C
Sheet 5 of 5

Truss Rod
1.90" OD x 10" Pipe

Drop Rod
1.315" OD

Top of Bank to Top of Bank

Drainage Channel

Vertical Brace
3" Clear Maximum (Typ)

Galvanized steel fence post, install 2' below grade and space 24" O.C. Secure barbed wire and woven wire fencing to posts using galvanized wire ties.

LATCH/End Post Assembly
ADOT C-12.10 Detail C
Sheet 5 of 5

Intermediate Post Assembly
ADOT C-12.10 Detail B
Sheet 5 of 5

Gate/End Post Assembly
ADOT C-12.10 Detail C
Sheet 5 of 5

Vertical Brace
6" (Typ)

Concrete Footing (Typ)
12" Diameter x 3'-0"

Space Bars Wire 4" Apart

SWALE CROSSING FENCE

Single Gate

14"

3" Clear Maximum (Typ)

Vertical Brace

Truss Rod

10" Diameter x 1'-0" Concrete Footing (Typ)

Double Gate

25"

3" Clear Maximum (Typ)

Vertical Brace

Truss Rod

1.315" OD x 10" Pipe

Length as Required
GENERAL NOTES

1. All posts must be clamped and driven to a minimum depth of 18", unless noted otherwise.
2. Cost of temporary fence considered included in mobilization bid item.
3. Staging Area temporary fence layouts are maximum areas. Contractor to reduce layouts as needed for operations.
4. Staging Area 2 is located on an existing concrete slab. Contractor to clear minimum vegetation carefully to preserve existing concrete as much as possible. Temporary fence to be constructed on stands to minimize damage to concrete slab.

FENCE MATERIAL NOTES

<table>
<thead>
<tr>
<th>NO</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Double strand 1/2-gauge barbed wire with 14 guage barbs, 11 ft. total.</td>
</tr>
<tr>
<td>2</td>
<td>1.30&quot; outside diameter line post, typical.</td>
</tr>
<tr>
<td>3</td>
<td>11 guage, 2&quot; fabric, typical.</td>
</tr>
<tr>
<td>4</td>
<td>1.5/8&quot; outside diameter line post, typical.</td>
</tr>
<tr>
<td>5</td>
<td>Tack welded or clamped to end post to prevent removal.</td>
</tr>
<tr>
<td>6</td>
<td>11 guage steel ties at 12&quot; O.C. or wrapped continuously, typical all stiles.</td>
</tr>
</tbody>
</table>

Temporary fence to be constructed on stands to minimize damage to concrete slab.

Staging Area Boundary
Contact Arizona 811 at least two full working days before you begin excavation. Call 811 or click Arizona811.com.

**Legend**
- Asphalt
- Concrete
- Broken Asphalt
- Light Pole
- Power Pole

**Cattle Guard Layout**
- Extend Fence Behind Cattle Guard (L=11')
- Riprap (Hand Placed) Gradation Chart (D=6')
- Cattle Guard Walls
- Expansion Joint Along Cattle Guard Walls

**Statistical Information**
- Ext. Light Pole
- Ext. Conc. Apron Edge
- Ext. Conc. Block
- Ext. Pull Box
- Ext. Decorative Hardscape Area
- Ext. Power Pole

**Dimensions**
- E: 410298.6, N: 529308.8
- E: 410306.9, N: 529317.5

**Notes**
- 43 CY of excavation and 25 CY of riprap estimated for cattle guard construction. Cost considered included in contract bid items.
- Note: 43 CY of excavation and 25 CY of riprap estimated for cattle guard construction. Cost considered included in contract bid items.
Date: 2/9/2019

1. Existing Catch Basin, Protect In Place
2. Existing Storage Facility, Do Not Disturb
3. Existing Fencing, To Be Removed By Owners
4. Existing Decorative Hardscape Areas, To Remodel
5. Existing Light Poles, Concrete Blocks, and Full Диagrams, Do Not Disturb
6. Existing Concrete Sidewalk, To Remain
7. Preservation Fencing Is Anticipated Along the Golf Course and the East Concrete Apron Boundaries

Notes:

1. Clearing and Grubbing Bounding Will Be Limited to the Directions Shown on the Plan Details and Outlined to the Construction Plans.
2. Construction Access to the Project Site Is Limited to the Access Routes Identified and the Planned Entrance From Airport Road.