

# NEW BRAUNFELS, TEXAS NEW BRAUNFELS NATIONAL AIRPORT ENGINEERING PLANS FOR AIRPORT SECURITY FENCING

NB CONTRACT NO. 25-014

KSA JOB No. 102870

**AIRPORT DIRECTOR**  
DR. ROBERT LEE, AAE

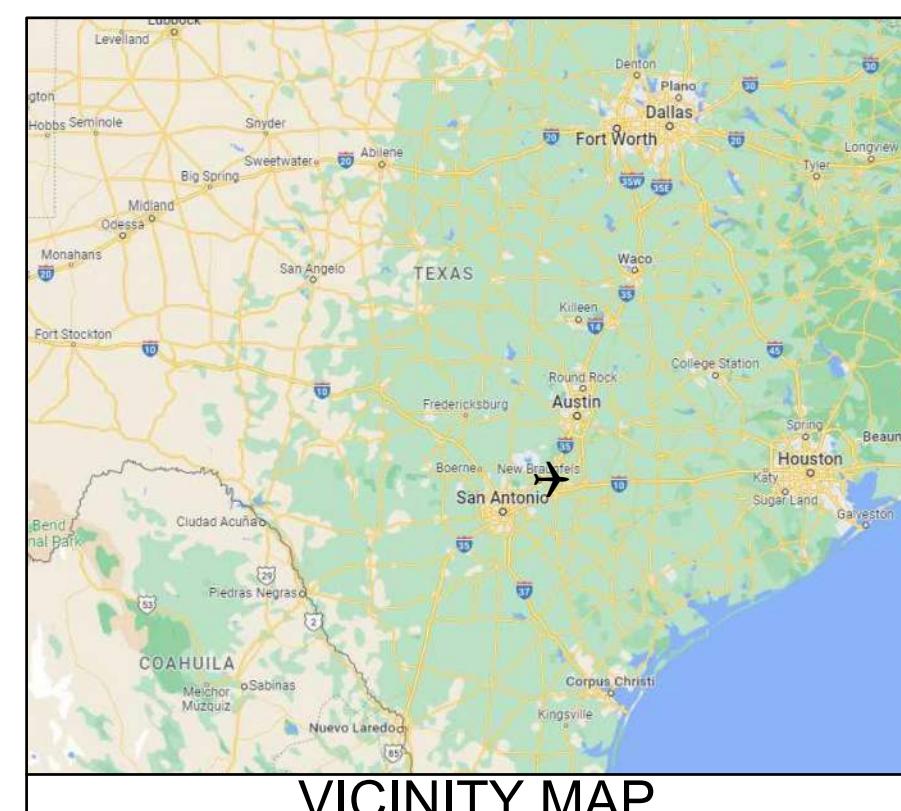
**AIRPORT OPERATIONS MANAGER**  
BRENDAN HAAS

**AIRPORT CAPITAL PROJECTS MANAGER**  
JEREMY HODSON

**NEW BRAUNFELS MAYOR**  
NEAL LINNARTZ

**CITY COUNCIL**

ANDRES CAMPOS	DISTRICT 1
CHRISTOPHER WILLIS	DISTRICT 2
D. LEE EDWARDS	DISTRICT 3
LAWRENCE SPRADLEY	DISTRICT 4
MARY ANN LABOWSKI	DISTRICT 5
APRIL RYAN	DISTRICT 6



VICINITY MAP



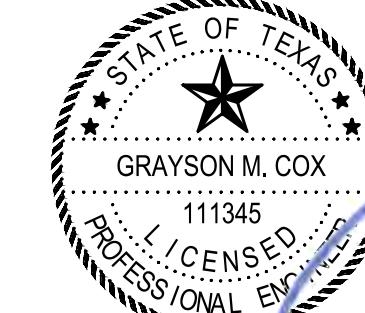
# KSA

4833 Spicewood Springs Rd., Suite 204  
Austin, Texas 78759  
T. 512-342-6868 F. 888-224-9418  
[www.ksaeng.com](http://www.ksaeng.com)

1. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER OF RECORD. IN ACCEPTING THESE PLANS, NEW BRAUNFELS MUST RELY UPON THE ADEQUACY OF THE WORK OF THE ENGINEER OF RECORD.
2. IF CONSTRUCTION HAS NOT COMMENCED WITHIN ONE-YEAR OF CITY APPROVAL FOR CONSTRUCTION INSPECTION, THAT APPROVAL IS NO LONGER VALID.
3. DEVELOPMENT CATEGORY TYPE 3.
4. THE PROJECT IS LOCATED OUTSIDE OF ANY FEMA DEFINED FLOOD HAZARD AREA BUT IS ADJACENT TO FIRM PANEL 48187C0110F, EFFECTIVE 11/2/2007.
5. THE PROJECT IS LOCATED OUTSIDE OF ANY EDWARDS AQUIFER JURISDICTIONAL ZONE.
6. GAS UTILITIES ARE NOT INCLUDED IN THE CIVIL CONSTRUCTION PLANS. FINAL GAS UTILITY DESIGN SHALL BE APPROVED BY THE CITY FOR ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.

**RECOMMENDED BY:**  
KSA

TBPE FIRM REGISTRATION No. F-1356

  
GRAYSON M. COX  
111345  
LICENSED PROFESSIONAL ENGINEER  
GRAYSON COX P.E.  
PROJECT MANAGER

JAN 21, 2025  
DATE

**ACCEPTED BY:**  
NEW BRAUNFELS NATIONAL AIRPORT

DR. ROBERT LEE, AAE  
NEW BRAUNFELS NATIONAL AIRPORT DIRECTOR

DATE

**CONSTRUCTION PLAN NOTES**

Revised 03/2020

**These notes must appear on the cover and/or "notes" sheet of all subdivision construction plans and on commercial plans where applicable:**

If construction has not commenced within one-year of City approval for construction inspection, that approval is no longer valid.

The most current editions of the City of San Antonio Standard Specifications and the Texas Department of Transportation Standard Specifications for Construction of Highways, Streets and Bridges shall be followed for all construction except as amended by the City of New Braunfels Standard Details.

All responsibility for the adequacy of these plans remains with the engineer of record. In accepting these plans, the City of New Braunfels must rely upon the adequacy of the work of the engineer of record.

Prior to the start of construction, the contractor shall contact the City of New Braunfels to schedule a preconstruction meeting.

For Public Infrastructure Permit or Grading Permit Projects:

- For inspections, you must call before 12:00 p.m., 48 hours prior to your inspection request.
- Each inspection will be allotted 1 hour unless you request for more time.
- Once your request has been accepted, you will receive a call from the City of New Braunfels Inspector.

For Commercial Permit (CP) Projects:

- All inspections are to be called in at 830-221-4068 or,
- Faxed in at 830-608-2117 or,
- E-mailed at [inspections@nbtx.org](mailto:inspections@nbtx.org).

It is the Contractor's responsibility to see that all temporary and permanent traffic control devices are properly installed and maintained in accordance with the plans and latest edition of the Texas Manual of Uniform Traffic Control Devices. If, in the opinion of the engineering representative and the construction inspector, the barricades and signs do not conform to established standards or are incorrectly placed or are insufficient in quantity to protect the general public, the construction inspector shall have the option to stop operations until such time as the conditions are corrected. If the need arises, additional temporary traffic control devices may be ordered by the Engineering representative at the Contractor's expense.

A TxDOT Type II B-B blue reflective raised pavement marker shall be installed in the center of the roadway adjacent to all fire hydrants. In locations where hydrants are situated on corners, blue reflective raised pavement markers shall be installed on both approaches which front the hydrant. The raised pavement marker shall meet TxDOT material, epoxy and adhesive specifications.

**Groundwater**

It shall be the responsibility of the developer, contractor, subcontractors, builders, Geo-technical engineer and project engineer to immediately notify the Office of the City Engineer and project engineer if the presence of groundwater within the site is evident. Upon notification the project engineer shall respond with plan revisions for the mitigation of the groundwater issue. The City Engineer shall respond within two (2) business days upon receipt of the mitigation plan. All construction activity, impacted by the discovery of groundwater, shall be suspended until the City Engineer grants a written approval of the groundwater mitigation plan.

**Record Drawings**

As per Platting Ordinance Section 118-38m.: When all of the improvements are found to be constructed and completed in accordance with the approved plans and specifications and with the City's standards, and upon receipt of one set of "Record Drawing" plans, and a digital copy of all plans (PDF copy) the City Engineer shall accept such improvements for the City of New Braunfels, subject to the guaranty of material and workmanship provisions in this Section.

**Construction Note**

Engineer of Record is responsible to ensure that erosion control measures and stormwater control sufficient to mitigate off site impacts are in place at all stages of construction.

**Drainage Note**

Drainage improvements sufficient to mitigate the impact of construction shall be installed prior to adding impervious cover.

**Finished Floor Elevations**

The elevation of the lowest floor shall be at least 10 inches above the finished grade of the surrounding ground, which shall be sloped in a fashion so as to direct stormwater away from the structure. Properties adjacent to stormwater conveyance structures must have floor slab elevation or bottom of floor joists a minimum of one foot above the 100-year water flow elevation in the structure. Driveways serving houses on the downhill side of the street shall have a properly sized cross swale preventing runoff from entering the garage.

**Soils Testing**

Proctors shall be sampled from on-site material (on-site is defined as limits of construction for this plan set) and a copy of the proctor results shall be delivered to the City of New Braunfels Street Inspector prior to any density tests.

**Roadway**

All roadway compaction tests shall be the responsibility of the developer's Geotechnical Engineer. Flexible base or fill/embankment material shall be placed in uniform layers not to exceed eight inches (8") loose. The required density for the fill/embankment material shall meet the requirements of TxDOT's Specification Item 132. The required density for the flexible base material shall meet the requirements of TxDOT's Specification Item 247. Each layer of material, inclusive of subgrade, shall be compacted as specified and tested for density and moisture in accordance with Test Methods TEX-113-E, TEX-114-E, TEX-115-E. The number and location of required tests shall be determined by the Geotechnical Engineer and approved by the City of New Braunfels Street Inspector. At a minimum, tests shall be taken every 200 LF for each lift and every other service line. Upon completion of testing, the Geotechnical Engineer will provide the City of New Braunfels Street Inspector with all testing documentation and a certification stating that the placement of fill material has been completed in accordance with the plans. Additional density tests may be requested by the City of New Braunfels Inspector.

base, and fill material, and subgrade, has been completed in accordance with the plans. Additional density tests may be requested by the City of New Braunfels Inspector.

**Item 340**

Asphaltic concrete pavement shall be the type of hot mix asphalt as defined in TxDOT's standard specifications for current TxDOT Standard Specifications for Construction of Highways, Street and Bridges.

The City of New Braunfels will not accept the use of Recycled Asphalt Pavement (RAP) or Recycled Asphalt Shingles (RAS) in asphalt mixtures for new roadways. Any debris inclusions within new asphalt pavements will result in asphalt removal and replacement from curb to curb for limits to be determined by the City of New Braunfels.

The asphaltic concrete pavement surface course shall be plant mixed, hot laid type "D" meeting the specification requirements of TxDOT Item 340. The asphaltic concrete pavement sub-surface courses shall be plant mixed, hot laid type "B" meeting the specification requirements of TxDOT Item 340. The mixture shall be designed per the design requirements specified in TxDOT Item 340 and shall be compacted to between 91 and 95 percent of the maximum theoretical density as determined by TxDOT test method TEX-227-F. Place the mixture when the roadway surface temperature is at or above 60°F. Complete all compaction operations before the pavement temperature drops below 160°F. The asphalt cement content by percent of total mixture weight shall fall within a tolerance of  $\pm 0.5$  percent from a specific mix design.

**Utility Trench Compaction (added to the construction plans on All Utility Plan Sheets)**

All utility trench compaction tests within the street pavement/sidewalk section shall be the responsibility of the developer's Geotechnical Engineer. Fill material shall be placed in uniform layers not to exceed twelve inches (12") loose. Determine the maximum lift thickness based on the ability of the compacting operation and equipment used to meet the required density. Each layer of material shall be compacted to a minimum 95% density and tested for density and moisture in accordance with Test Methods TEX-113-E, TEX-114-E, TEX-115-E. The number and location of required tests shall be determined by the Geotechnical Engineer and approved by the City of New Braunfels Street Inspector. At a minimum, tests shall be taken every 200 LF for each lift and every other service line. Upon completion of testing, the Geotechnical Engineer will provide the City of New Braunfels Street Inspector with all testing documentation and a certification stating that the placement of fill material has been completed in accordance with the plans. Additional density tests may be requested by the City of New Braunfels Inspector.

**Curb Cut Due to Construction of New Right-Of-Way Construction**

(Indicate the 2 Options on the construction plans).

1. Sawcut existing street and match to new construction.
2. Sawcut existing curb to tie into existing construction.

**Construction Stabilized Entrance**

Sawcut curb for construction entrance.

Stabilized construction area shall be constructed of 3"x5" rock to be placed a minimum length of 25-ft. and maintained so that construction debris does not fall within the city right-of-way. Right-of-way must be cleared from mud, rocks, etc. at all times.

**(Notes to Be Placed on All WW Plan & Detail Sheets)**

Ensure all driveway approaches are built in general accordance with A.D.A. specifications.

No valves, hydrants, etc. shall be constructed within curbs, sidewalks, or driveways.

**Signing and Pavement Marking Plan Notes**

The Contractor shall furnish and install all regulatory and warning signs, streets name signs and sign mounts in accordance with approved engineering plans. The City will inspect all signs at final inspection.

The Contractor shall install all pavement markings in accordance with approved engineering plans. The Contractor shall notify the City at least twenty-four (24) hours prior to the installation of all sealer and final markings. The City will inspect all markings at final application.

**Seeding and Establishment of Vegetation within Earthen Channels, Stormwater Basins and Disturbed Areas**

Seeding for the purpose of establishing vegetation within constructed earthen channels, basins and disturbed areas shall be conducted in accordance with Item 164 (Seeding for Erosion Control of TxDOT's Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges manual. Only seed types and mixes specified for the San Antonio District (District 15 in Tables 1 and 2 under Item 164 shall be utilized. During the Cool Season (Sept 1-Nov 30, Cereal Rye and seed species specified for the San Antonio District in Table 3 may be used. For Cool Season seeding applications, cool season seed mixes shall be used in conjunction with seed mixes for the San Antonio District as specified in Table 1 and 2 under Item 164.

It may be deemed necessary to incorporate topsoil and soil amendments (i.e. compost/ fertilizer) into existing soil in order to facilitate vegetation growth. Topsoil, compost and fertilizer additions shall be conducted according to Items 160, 161 and 166 of TxDOT's Standard Specifications manual, respectively.

Areas requiring permanent vegetation (earthen channels, ponds, etc.) are required to meet TxDOT Specifications for Item 160 Topsoil. Testing per Tex-128-E will be required at the City's request.

Watering may also be necessary to facilitate and expedite the sprouting and growth of vegetation. Item 168 of TxDOT's Standard Specifications manual shall be adhered to for vegetative watering.

If extended drought conditions exist that hinder or prohibit the growth and establishment of vegetation, the contractor/ developer shall provide a plan to the City of New Braunfels describing the measures that will be taken to stabilize earthen drainage infrastructure until a time when growing conditions become more favorable.

**NEW BRAUNFELS  
NATIONAL AIRPORT  
SECURITY FENCING**

DRAWN BY: BG  
DESIGNED BY: AF, GC  
LATEST REVISION: -  
RSA JOB NO: 102970  
PROJECT NAME: 4833 Spicewood Springs Rd, Suite 204  
Austin, TX 78759  
T: 512-341-6868  
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STATE OF TEXAS  
GRAYSON M. COX  
JAN 2025  
111345  
LICENSED PROFESSIONAL ENGINEER  
GRAYSON COX  
SEAL: TBPE Firm Registration No. F-1356  
SHEET NO. 2

**QUANTITY TABLE**

Base Bid - Security and Game Fencing				
Item No.	Spec. No.	Description	Units	Estimated Quantities
1.01	PLAN	PROPERTY BOUNDARY SURVEY BY TX RPLS	LS	1
1.02	TxDOT 100-6001	PREPARING ROW (FENCE CLEARING) <MOD>	STA	418
1.03	TxDOT 164-7002	BROADCAST SEED (PERM RURAL CLAY) <MOD>	STA	418
1.04	TxDOT 500-6001	MOBILIZATION	LS	1
1.05	TxDOT 506-6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	7,000
1.06	TxDOT 506-6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	7,000
1.07	TxDOT 506-6020	CONSTRUCTION EXISTS (INSTALL) (TV 1)	EA	1
1.08	TxDOT 506-6024	CONSTRUCTION EXISTS (REMOVE)	EA	1
1.09	TxDOT 550-6003	EXISTING FENCE REMOVAL <MOD>	LF	34,500
1.10	TxDOT 550-7008	CHAIN LINK FENCE (INSTALL) (8') (BARB TOP) <MOD>	LF	23,003
1.11	TxDOT 552-6001	WIRE GAME FENCE (INSTALL) (8') (BARB TOP) <MOD>	LF	16,432
1.12	TxDOT 552-7010	WIRE FENCE (WATER GAP) <MOD>	EA	3
1.13	TxDOT 550-7009	GATE (INSTALL) (DOUBLE) (8'X 16') <MOD>	EA	13
1.14	TxDOT 636-6001	ALUMINUM SIGNS (TV A)	EA	4
1.15	TxDOT 644-6001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	2

SPACE NOT USED

SPACE NOT USED

SPACE NOT USED

# GENERAL NOTES

ADDITIONAL NOTES ON PLAN SHEETS

## SAFETY NOTES:

1. WHILE THE AIRPORT IS OPEN, NO VEHICLE OR EQUIPMENT SHALL MOVE UPON APRONS, TAXIWAYS AND/OR RUNWAYS UNTIL THE VEHICLE IS GRANTED PERMISSION BY THE CONTROL TOWER. PERMISSION SHALL BE COORDINATED THROUGH THE ENGINEER'S RESIDENT PROJECT REPRESENTATIVE (RPR) AND THE AIRPORT MANAGER, MR. ROBERT LEE (830) 221-4295. ONCE GRANTED PERMISSION, VEHICLE MAY PROCEED BY MONITORING GROUND CONTROL RADIO FREQUENCY 120.175 [0700-1900] AND 127.05 [1900-0700]. OR BE UNDER ESCORT BY A VEHICLE MONITORING GROUND CONTROL. ALL VEHICLES MUST BE IDENTIFIED BY FLAG AND FLASHING AMBER LIGHT.
2. FLAGMEN WILL BE REQUIRED TO DIRECT THE CONTRACTOR'S VEHICLES AND EQUIPMENT WHICH ARE OPERATING IN THE AREA OF MOVING AIRCRAFT. FLAGMEN TO MONITOR GROUND CONTROL FREQUENCY, 120.175 [0700-1900] AND 127.05 [1900-0700]. AIRCRAFT ALWAYS HAVE THE RIGHT-OF-WAY.
3. CONSTRUCTION PERSONNEL AND EQUIPMENT WILL NOT BE ALLOWED WITHIN THE AIRPORT OPERATIONS AREA (AOA) UNTIL THE AREA HAS BEEN CLOSED TO AIRCRAFT AND NOTAMS ISSUED.
4. REFERENCE AC 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION"
5. GENERAL SAFETY REQUIREMENTS: DURING PERFORMANCE OF THIS CONTRACT, THE AIRPORT RUNWAYS, TAXIWAYS, AND AIRCRAFT PARKING APRONS SHALL REMAIN IN USE BY AIRCRAFT TO THE MAXIMUM EXTENT POSSIBLE. AIRCRAFT USE OF AREAS NEAR THE CONTRACTOR'S WORK WILL BE CONTROLLED TO MINIMIZE DISTURBANCE TO THE CONTRACTOR'S OPERATION. THE CONTRACTOR SHALL NOT ALLOW HIS/HER EMPLOYEES, SUBCONTRACTORS, SUPPLIERS, OR ANY PERSON OVER WHOM HE/SHE HAS CONTROL TO ENTER OR REMAIN IN ANY PART OF THE AIRPORT WHICH WOULD BE HAZARDOUS TO PERSONS OR TO AIRCRAFT OPERATIONS. WHENEVER AIRCRAFT OPERATIONS REQUIRE, THE ENGINEER MAY ORDER THE CONTRACTOR TO SUSPEND OPERATIONS, MOVE PLANT, PERSONNEL, EQUIPMENT, AND MATERIALS TO A SAFE LOCATION AND STAND BY UNTIL AIRCRAFT USE IS COMPLETED
6. OBSTACLE FREE ZONE: CONSTRUCTION ACTIVITY WITHIN AN OBSTACLE FREE ZONE WILL REQUIRE CLOSING PART OR ALL OF THE AFFECTED RUNWAY.
7. RUNWAY AND TAXIWAY SAFETY AREAS: CONSTRUCTION ACTIVITY WITHIN A RUNWAY OR TAXIWAY SAFETY AREA WILL REQUIRE CLOSING PART OR ALL OF THE AFFECTED RUNWAY OR TAXIWAY. CONSTRUCTION ACTIVITY WITHIN TAXIWAY SAFETY AREAS/OBSTACLE FREE AREAS IS PERMISSIBLE WHEN THE TAXIWAY IS OPEN TO AIRCRAFT TRAFFIC IF:
  - A. ADEQUATE WINGTIP/EMPENNAGE CLEARANCE EXISTS BETWEEN THE AIRCRAFT AND EQUIPMENT/MATERIAL
  - B. EXCAVATIONS, TRENCHES, OR OTHER CONDITIONS ARE CONSPICUOUSLY MARKED AND LIGHTED,
  - C. NOTICES TO AIRMEN ARE IN EFFECT CONCERNING THE ACTIVITY, USUALLY "PERSONNEL AND EQUIPMENT ADJACENT TO PARALLEL TAXIWAY F." (CODED AS PAEW). REFER TO AC 150/5370-2G, CHAPTER 3, SAFETY STANDARDS AND GUIDELINES FOR SAFETY AREA DIMENSIONAL REQUIREMENTS.
8. VEHICLE IDENTIFICATION AND PARKING: (A) CONTRACTOR VEHICLES AND EQUIPMENT SHALL BE IDENTIFIED BY FLAGS AND AMBER FLASHING LIGHTS. (B) EMPLOYEE PARKING SHALL BE IN THE CONTRACTOR'S STAGING AND STORAGE AREA.
9. THE CONTRACTOR SHALL NOT, FOR ANY REASON ENTER ACTIVE AIRFIELD AREAS WITHOUT EXPLICIT APPROVAL BY AIRPORT MANAGEMENT. THE CONTRACTOR SHALL LIMIT OPERATIONS TO LIMITS OF CONSTRUCTION ACTIVITIES.
10. ALL EQUIPMENT AND MATERIALS SHALL BE STORED IN THE CONTRACTOR'S STAGING AND STORAGE AREA WHEN NOT IN USE. EQUIPMENT AND MATERIALS SHALL NOT ENCROACH UPON ACTIVE OPERATIONAL AREAS. MINIMUM CLEARANCES SHALL BE MAINTAINED ON RUNWAYS IN ACCORDANCE WITH PART 77 OF THE FEDERAL AVIATION REGULATIONS.
11. ALL EXCAVATIONS, OPEN TRENCHES AND STOCKPILED MATERIAL AT THE CONSTRUCTION SITE SHALL BE PROMINENTLY MARKED WITH FLAGS AND LIGHT UNITS ACCEPTABLE TO THE ENGINEER DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.
12. WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRPLANES MUST NOT BE PLACED ON ACTIVE AIRPLANE MOVEMENT AREAS. MATERIAL TRACKED ON THESE AREAS MUST BE REMOVED CONTINUOUSLY BY A SWEEPER OR VACUUM TRUCK SUPPLIED BY THE CONTRACTOR DURING THE PROJECT. NO DIRECT PAY IN BID PROPOSAL.
13. AIRPORT SECURITY IS OF UTMOST IMPORTANCE. THE CONTRACTOR SHALL SUPPLY HIS OWN LOCK FOR ACCESS GATES, AND SHALL KEEP THE GATES LOCKED OR GUARDED AT ALL TIMES, EXCEPT FOR THE BRIEF PERIOD REQUIRED FOR PASSAGE OF AUTHORIZED VEHICLES OR EQUIPMENT.
14. ALL WORK WILL BE ACCOMPLISHED DURING NORMAL DAYTIME WORKING HOURS ONLY, OR AS APPROVED BY THE ENGINEER.
15. CONSTRUCTION SITE ACCESS AND HAUL ROADS: ACCESS TO THE JOB SITE SHALL BE AS SHOWN ON THE PLANS, OR AS DESIGNATED BY THE ENGINEER.
16. THE CONTRACTOR SHALL SUPPLY PORTABLE HAND-HELD RADIOS (AVIATION BAND), SET TO A PREDETERMINED FREQUENCY ESTABLISHED BY THE AIRPORT MANAGER, TO EACH FLAGMAN, SUPERVISORY INDIVIDUAL AND ENGINEER'S RESIDENT PROJECT REPRESENTATIVE SO THAT THEY MAY KEEP IN CONSTANT CONTACT AT ALL TIMES WITH THE AIRPORT OPERATIONS OFFICE. UPON COMPLETION OF THE PROJECT AND ACCEPTANCE BY THE OWNER, THE RESIDENT PROJECT REPRESENTATIVE SHALL RETURN THE RADIO SET TO THE CONTRACTOR.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL PORTABLE HAND-HELD RADIO SETS IN WORKING ORDER AT ALL TIMES FOR THE DURATION OF THE PROJECT.
18. NO TRENCHES IN OR DIRECTLY ADJACENT TO OPERATIONAL PAVEMENT SHALL REMAIN OPEN OVERNIGHT OR WHEN THE CONTRACTOR FINISHES WORK FOR THE DAY IN THE AREA. TRENCHES NOT BACKFILLED SHALL BE COVERED WITH STEEL PLATES TO ALLOW SAFE PASSAGE BY AIRCRAFT ACROSS THE TRENCH, IF APPROVED BY THE AIRPORT MANAGER.

## ACCESS ROUTE NOTES:

1. DAMAGE TO EXISTING PAVEMENTS WHICH IS CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED TO ORIGINAL OR BETTER CONDITION AT NO EXPENSE TO THE OWNER.
2. ACCESS ROUTES FOR EACH CONSTRUCTION PHASE SHALL BE COORDINATED WITH THE ENGINEER. ROUTES SHOWN ARE PRELIMINARY ONLY, AND SUBJECT TO APPROVAL AND ADJUSTMENT BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ACCESS ROUTES (PAVED & UNPAVED). SEE PHASING PLANS FOR ADDITIONAL ACCESS ROUTE INFORMATION.
3. THE PAVEMENT ON THE ACCESS ROUTES MAY NOT SUPPORT CONSTRUCTION TRAFFIC. THE CONTRACTOR SHALL LIMIT LOADS AS NECESSARY TO PREVENT DAMAGE OR SHALL INCLUDE IN HIS BID ADEQUATE BUDGET TO REPAIR DAMAGE TO PAVEMENT.
4. AIRCRAFT ALWAYS HAVE THE RIGHT OF WAY.
5. CONTRACTOR SHALL SWEEP PAVEMENTS FREQUENTLY TO KEEP FREE OF DEBRIS.
6. CONTRACTOR SHALL WATER EXCAVATION, EMBANKMENT, BORROW AREAS AND ACCESS ROUTES AS REQUIRED TO MINIMIZE DUST ON THE RUNWAY, TAXIWAYS AND OTHER AIRCRAFT OPERATIONS AREAS AS DIRECTED BY THE ENGINEER OR HIS REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL OVER THE DURATION OF THE PROJECT.
7. CONTRACTOR SHALL LOCATE, MARK, AND PROTECT EXISTING ELECTRICAL CABLES FOR RUNWAY AND TAXIWAY LIGHTS AND SIGNS AND OTHER LIGHTED AIRFIELD FEATURES. ANY DAMAGE TO THESE FACILITIES SHALL BE REPAIRED AT NO COST TO THE OWNER.

## EXISTING UTILITY & PIPELINE NOTES:

1. TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PROTECT EXISTING UTILITIES DURING CONSTRUCTION AND SHALL REPAIR ALL DAMAGES TO SAID UTILITIES AT NO EXPENSE TO THE OWNER.
2. CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITY LINES AND SHALL NOTIFY THE FOLLOWING AGENCIES 48 HOURS PRIOR TO EXCAVATING NEAR EXISTING FACILITIES:
  - TEXAS ONE-CALL SYSTEMS

DIGTESS	1-800-344-8377
LONE STAR NOTIFICATION	1-800-669-8344
TEXAS ONE CALL	1-800-245-4545
NATIONAL ONE CALL	8-1-1
CENTERPOINT	1-800-427-7142
CITY OF NEW BRAUNFELS	1-830-221-4000
AT&T	1-210-283-1706
TWL	1-800-222-5355

3. ALL ABOVE GROUND AND GROUND LEVEL ELECTRICAL RELATED APPURTENANCES (TAXIWAY LIGHTS, ETC.) SHALL BE PROTECTED AT ALL TIMES. ANY DAMAGE DONE TO SAID APPURTENANCES BY THE CONTRACTOR SHALL BE REPAIRED TO LIKE QUALITY AT THE CONTRACTOR'S EXPENSE. THE REPAIRS SHALL BE PERFORMED TO THE SATISFACTION OF THE AIRPORT MANAGER, TxDOT AND THE ENGINEER.

## ENVIRONMENTAL NOTES:

1. IN THE EVENT THAT UNANTICIPATED ARCHEOLOGICAL DEPOSITS ARE ENCOUNTERED DURING CONSTRUCTION, WORK IN THE IMMEDIATE AREA WILL CEASE AND THE TxDOT ENGINEER WILL CONTACT PROFESSIONAL ARCHEOLOGISTS TO INITIATE POST-REVIEW DISCOVERY PROCEDURES UNDER THE PROVISIONS OF 36 CFR 800.13.
2. IN THE EVENT THAT UNANTICIPATED HAZARDOUS MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, WORK IN THE IMMEDIATE AREA WILL CEASE AND THE TxDOT PROJECT MANAGER WILL BE NOTIFIED.
3. STOCKPILES AND STAGING AREAS WILL NOT BE PLACED WITHIN ANY WATER OF THE UNITED STATES, INCLUDING WETLANDS.
4. MIGRATORY BIRD TREATY ACT: IF THERE IS A BURROWING OWL ON THE NEST, AND THAT FEMALE DOES NOT LEAVE THE NEST WHEN APPROACHED, ASSUME THERE ARE EGGS OR CHICKS IN THE HOLE REGARDLESS OF THE TIME OF YEAR. NO WORK MAY OCCUR WITHIN 100 FEET OF AN ACTIVE NEST. THE ACTIVE NEST(S) MUST BE PROTECTED BY ORANGE MESH SAFETY FENCE.
5. THE FEDERAL MIGRATORY BIRD TREATY ACT (MBTA) (16 USC 703-711) 50 CFR 10, AND FISH & GAME CODE 3503, 3513, AND 3800, PROTECT MIGRATORY AND NONGAME BIRDS, THEIR OCCUPIED NESTS, AND THEIR EGGS. IN THE EVENT THAT MIGRATORY BIRDS ARE

ENCOUNTERED ON SITE DURING PROJECT CONSTRUCTION FROM FEBRUARY 15 TO OCTOBER 1, THE SUPERINTENDENT WORKING ON THE PROJECT MUST TAKE REASONABLE CARE TO AVOID IMPACTS TO PROTECT BIRDS, ACTIVE NESTS, EGGS AND/OR THE YOUNG. A PERSON THAT VIOLATES THE MBTA MAY BE HELD STRICTLY LIABLE FOR ACTIONS THAT RESULT IN INTERMITTED TAKE. WHEN MIGRATORY BIRD NESTS ARE DISCOVERED WHICH MAY BE ADVERSELY AFFECTED BY CONSTRUCTION ACTIVITY, OR WHEN A BIRD IS FOUND INJURED OR KILLED AS A RESULT OF CONSTRUCTION ACTIVITY, IMMEDIATELY STOP WORK WITHIN 50 FEET OF THE NEST OR BIRD AND NOTIFY THE RPR/ENGINEER/AND TxDOT EVEN-PLANNER.

6. HAZARDOUS WASTE: ALL SPILLS MUST BE REPORTED IMMEDIATELY TO THE TxDOT PROJECT MANAGER AND APPROPRIATE AGENCY.

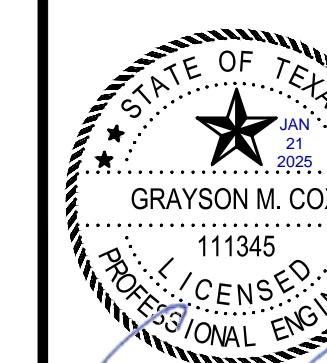
7. EROSION CONTROLS SHALL BE INSPECTED AT A MINIMUM, EVERY SEVEN DAYS AND AFTER ANY RAIN EVENT GREATER THAN  $\frac{1}{2}$  INCH.

8. ALL LOCATIONS OF THE FILTER FABRIC SILT FENCE SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION(S) OF FILTER FABRIC FENCE SHALL BE DETERMINED BY THE ENGINEER OR THE RPR. THE FILTER FABRIC FENCE SHALL BE INSTALLED AND MAINTAINED AS SPECIFIED. PAYMENT SHALL BE BASED ON THE PRICE LISTED IN THE BID PROPOSAL AND THE ORIGINAL QUANTITY PLACED. PAYMENT SHALL NOT BE MADE FOR REPLACEMENT FENCE. THE FILTER FABRIC FENCE SHALL BE MAINTAINED IN THE PROPER CONDITION THROUGHOUT THE DURATION OF THE PROJECT. THE COST OF REPAIRING THE FILTER FABRIC FENCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

## DEMOLITION NOTES:

1. CONDITIONS OF THE PROJECT AREA UPON COMPLETION OF THE JOB SHALL BE GOOD AS OR BETTER THAN THE CONDITION PRIOR TO STARTING WORK, IN ADDITION TO THE WORK ITEMS LISTED.
2. THE PROJECT AREA SHALL BE FREE OF ANY CONTRACTOR STOCKPILE MATERIALS UPON COMPLETION OF THE JOB UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. UPON COMPLETION OF THE PROJECT, ALL THE HAUL ROUTES SHALL BE PROPERLY CLEANED TO PREVENT OBSTRUCTION AND/OR CAUSE INCONVENIENCE TO NORMAL REGULAR TRAFFIC. ALL TEMPORARY HAUL ROUTES SHALL BE REMOVED AND BROUGHT BACK TO ORIGINAL CONDITION OR BETTER.
4. ALL OF THE CONSTRUCTION EQUIPMENT, AND ANY FACILITIES TEMPORARILY PLACED ON SITE FOR THE PROJECT SHALL BE REMOVED FROM THE SITE.
5. ANY PROPERTIES BELONGING TO THE AIRPORT SHALL BE RETURNED TO THE AIRPORT OWNER.
6. PROPER DRAINAGE (NO LOCALIZED PONDING) SHALL BE MAINTAINED, PRIOR TO, DURING AND AFTER DEMOLITION.
7. DEMOLITION SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER.
8. DEMOLITION SHALL BE COMPLETED IN A MANNER THAT WILL NOT CAUSE ANY INCONVENIENCE TO AIRPORT OPERATIONS.
9. ANY DAMAGE TO AIRPORT PROPERTIES DURING DEMOLITION SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S OWN EXPENSE.
10. SAFETY REGULATIONS SHALL BE OBSERVED AT ALL TIMES DURING DEMOLITION.
11. THE COST OF DEMOLITION SHALL BE CONSIDERED SUBSIDIARY TO ITEM KSA-100, MOBILIZATION.
12. THE CONTRACTOR SHALL VIDEO TAPE THE ENTIRE WORK AREA AFTER COMPLETION OF ALL PROJECT CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE ONE COPY OF THE VIDEO TAPE TO THE AIRPORT MANAGER AND ONE COPY TO TxDOT AVIATION DIVISION.

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SEAL:  
TBPE Firm Registration No. F-1356  
SHEET NO.

1. THE TERM "CITY" USED THROUGHOUT THE PLANS AND SPECIFICATIONS SHALL REFER TO THE CITY OF NEW BRAUNFELS, TEXAS.
2. THE TERM "AIRPORT" USED THROUGHOUT THE PLANS AND SPECIFICATIONS SHALL REFER TO THE NEW BRAUNFELS NATIONAL AIRPORT. THE TERM "AIRPORT" SHALL ALSO BE INTERPRETED TO MEAN "AIRPORT MANAGEMENT AND / OR OPERATIONS STAFF".
3. THE TERM "OWNER" USED THROUGHOUT THE PLANS AND SPECIFICATIONS SHALL REFER TO THE CITY OF NEW BRAUNFELS. THE TERM "OWNER" SHALL ALSO BE INTERPRETED TO MEAN "OWNER'S REPRESENTATIVE". THE TERM "OWNER" MAY ALSO BE USED INTERCHANGEABLY WITH THE TERM "CITY" AND / OR "AIRPORT", AS APPLICABLE.
4. THE AIR OPERATIONS AREA (AOA) IS DEFINED AS ALL AREAS OF THE AIRPORT INSIDE THE PERIMETER FENCE AND INCLUDES, BUT IS NOT LIMITED TO, APRONS, TAXIWAYS, RUNWAYS, AND RUNWAY AND TAXIWAY SAFETY AREAS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HIS OWN PROJECT OFFICE, TOILET FACILITIES, EQUIPMENT, SUPPLIES, AND OTHER INCIDENTALS AND / OR FACILITIES NECESSARY FOR WORK ON THE PROJECT. THE OWNER WILL NOT PROVIDE FACILITIES TO THE CONTRACTOR DURING CONSTRUCTION.
6. ALL EQUIPMENT REQUIRED TO COMPLETE THE PROJECT SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS OF THE PROJECT.
7. THE CONTRACTOR SHALL VIDEO AND / OR PHOTOGRAPH THE ENTIRE WORK AREA AND SURROUNDING AREAS AFTER THE PRE-CONSTRUCTION MEETING AND PRIOR TO MOBILIZATION OF PERSONNEL AND EQUIPMENT. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH ONE COPY OF THE PICTURE(S) AND / OR VIDEO(S) TAKEN. THIS DOCUMENTATION SHALL BE USED TO DETERMINE THE AMOUNT OF DAMAGE, IF ANY, CAUSED TO EXISTING FACILITIES (PAVEMENT, UTILITIES, BUILDINGS, ETC.) BY THE CONTRACTOR AND THE QUALITY OF CONSTRUCTION WHICH SHALL BE REQUIRED FOR THE REPAIRS.
8. WORK SHALL BE ACCOMPLISHED BETWEEN THE HOURS OF 7 A.M. CST TO 6 P.M. CST, MONDAY THROUGH FRIDAY, UNLESS OTHERWISE APPROVED BY THE OWNER.
9. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL HORIZONTAL AND VERTICAL CONSTRUCTION STAKING AS REQUIRED FOR THE PROJECT DEVELOPMENT. CONSTRUCTION STAKING SHALL BE PERFORMED BY THE CONTRACTOR AND SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS OF THE PROJECT.
10. CONSTRUCTION ACCESS AND HAUL ROUTES
  - A. ACCESS TO THE JOB SITE SHALL BE THROUGH DESIGNATED ROUTES AS SHOWN ON THE PLANS.
  - B. ACCESS ROUTES FOR EACH CONSTRUCTION PHASE WILL BE COORDINATED WITH THE OWNER. ACCESS ROUTES DEPICTED ON THE PLANS ARE PRELIMINARY ONLY AND ARE SUBJECT TO APPROVAL AND ADJUSTMENT BY THE OWNER.
  - C. THE PAVEMENTS ON THE ACCESS ROUTES MAY NOT SUPPORT LOADS IMPOSED BY CONSTRUCTION EQUIPMENT OR VEHICLES. THE CONTRACTOR SHALL LIMIT LOADS AS NECESSARY TO PREVENT DAMAGE OR SHALL INCLUDE IN HIS BID ADEQUATE BUDGET TO REPAIR DAMAGE TO THE PAVEMENT.
  - D. AIRCRAFT SHALL ALWAYS HAVE RIGHT OF WAY.
  - E. CONTRACTOR EMPLOYEE PARKING SHALL BE DESIGNATED BY THE OWNER.
  - F. CONSTRUCTION EQUIPMENT AND VEHICLES SHALL NOT EXCEED 15 MPH WITHIN THE AIRPORT PROPERTY.
11. CONSTRUCTION EQUIPMENT AND VEHICLES SHALL TRAVEL A MINIMUM AMOUNT ON PAVEMENTS SO THAT THE PAVEMENT AREAS WILL NOT BE DAMAGED.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE, AS COMPARED TO PRE-CONSTRUCTION CONDITIONS, CAUSED BY THE CONTRACTOR TO ANY EXISTING FACILITIES (PAVEMENTS, UTILITIES, BUILDINGS, ETC.) WHICH WERE NOT DESIGNATED FOR RECONSTRUCTION OR REPLACEMENT. ALL REPAIRS MUST BE MADE TO EQUAL OR BETTER QUALITY AND IN COMPLIANCE WITH THE OWNER, TXDOT, AND / OR FAA REQUIREMENTS - THE STRICTEST OF WHICH WILL APPLY. ALL REPAIR AND REPLACEMENT COSTS FOR DAMAGED FACILITIES SHALL BE AT THE EXPENSE OF THE CONTRACTOR.
13. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION WORK AREA. THE CONTRACTOR SHALL PERFORM CLEANUP OPERATIONS ON A DAILY BASIS.
14. THE CONTRACTOR SHALL PREPARE A FOREIGN OBJECT DEBRIS (FOD) PLAN THAT, AT MINIMUM, WILL INCLUDE A MOTORIZED MECHANICAL SWEEPER THAT SHALL REMAIN ON SITE DURING ALL CONSTRUCTION OPERATIONS ON OR ADJACENT TO PAVEMENTS. THE FOD PLAN SHALL BE PROVIDED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING AND SHALL BE EXPLAINED BY THE CONTRACTOR TO THE MEETING ATTENDEES. THE FOD PLAN IS SUBJECT TO APPROVAL BY THE OWNER. THE FOD PLAN AND ASSOCIATED DAILY ACTIVITIES SHALL BE COORDINATED WITH THE OWNER.
15. IT IS IMPERATIVE THAT A FIRM SUBGRADE BE MAINTAINED IN THE PAVEMENT CONSTRUCTION AREAS AT ALL TIMES. THE CONTRACTOR SHALL SHAPE THE SUBGRADE TO DRAIN AND SHALL PROVIDE, MAINTAIN, AND OPERATE PORTABLE PUMPS AS NECESSARY TO PREVENT THE PONDING OF WATER ON THE SUBGRADE OR BASE COURSE. PUMPING SHALL COMMENCE AS SOON AS POSSIBLE FOLLOWING THE COMPLETION OF A RAINSTORM.
16. NO TRENCHES IN ACTIVE RUNWAY AND TAXIWAY SAFETY AREAS SHALL REMAIN OPEN OVERNIGHT OR WHEN THE CONTRACTOR FINISHES WORK FOR THE DAY IN THE AREA. TRENCHES NOT BACKFILLED SHALL BE COVERED WITH STEEL PLATES TO ALLOW SAFE PASSAGE BY AIRCRAFT ACROSS THE TRENCH, IF APPROVED BY THE AIRPORT MANAGEMENT.
17. THE CONTRACTOR SHALL PROVIDE PORTABLE HAND-HELD 2-WAY RADIOS (AVIATION BAND) SET TO A PREDETERMINED FREQUENCY ALLOWING FLAGMEN, SUPERINTENDENTS, AND THE RPR TO KEEP IN CONSTANT CONTACT WITH THE AIR TRAFFIC CONTROL TOWER. THE CONTRACTOR SHALL MAINTAIN ALL RADIOS THROUGHOUT THE DURATION OF THE PROJECT. AT THE END OF CONSTRUCTION THE RPR SHALL RETURN THE RADIO SET TO THE CONTRACTOR. MONITOR NEW BRAUNFELS NATIONAL AIRPORT GROUND CONTROL ON 120.175 FROM 7 A.M. TO 7 P.M. MONITOR THE COMMON TRAFFIC ADVISORY FREQUENCY ON 127.05 AFTER HOURS.
18. IT IS THE INTENT OF THESE PLANS TO MINIMIZE INTERFERENCE TO AIRCRAFT MOVEMENT; THEREFORE, IN ACTIVE PORTIONS OF THE AOA AIRCRAFT MOVEMENT SHALL HAVE THE RIGHT-OF-WAY.
19. AIRPORT SECURITY IS OF UTMOST IMPORTANCE. THE CONTRACTOR SHALL SUPPLY HIS OWN LOCK FOR ACCESS GATES, AND SHALL KEEP THE GATES LOCKED OR GUARDED AT ALL TIMES, EXCEPT FOR THE BRIEF PERIOD REQUIRED FOR PASSAGE OF AUTHORIZED VEHICLES OR EQUIPMENT.
20. FLAG MEN OR ESCORTS WILL BE REQUIRED TO DIRECT THE CONTRACTOR'S TRUCKS AND EQUIPMENT WHICH ARE OPERATING ON ACTIVE PORTIONS OF THE AOA.
21. ALL WORK SHALL BE IN ACCORDANCE WITH AC 150/5370-2G, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".
22. GENERAL SAFETY REQUIREMENTS: DURING PERFORMANCE OF THIS CONTRACT, THE AIRPORT RUNWAYS, TAXIWAYS, AND AIRCRAFT PARKING APRONS SHALL REMAIN IN USE BY AIRCRAFT TO THE MAXIMUM EXTENT POSSIBLE. AIRCRAFT USE OF AREAS NEAR THE CONTRACTOR'S WORK WILL BE CONTROLLED TO MINIMIZE DISTURBANCE TO THE CONTRACTOR'S OPERATION. THE CONTRACTOR SHALL NOT ALLOW HIS/HER EMPLOYEES, SUBCONTRACTOR'S SUPPLIERS, OR ANY PERSON OVER WHO HE/SHE HAS CONTROL TO ENTER OR REMAIN IN ANY PART OF THE AIRPORT WHICH WOULD BE HAZARDOUS TO PERSONS OR TO AIRCRAFT OPERATIONS. WHENEVER AIRCRAFT OPERATIONS REQUIRE, THE ENGINEER MAY ORDER THE CONTRACTOR TO SUSPEND OPERATIONS, MOVE PLANT, PERSONNEL, EQUIPMENT, AND MATERIALS TO A SAFE LOCATION AND STAND BY UNTIL AIRCRAFT USE IS COMPLETED.
23. CONTRACTOR SHALL NOTIFY THE RPR AT LEAST 72 HOURS BEFORE ANY NOTAMS ARE REQUIRED. RPR WILL THEN COORDINATE WITH AIRPORT MANAGEMENT TO ENSURE NOTAMS ARE PUBLISHED APPROPRIATELY. ALL OPENINGS AND CLOSURES OF

PORTIONS OF THE AOA OR RESTRICTIONS ON AIRPORT OPERATIONS SHALL BE INITIATED AND CANCELED BY THE OWNER.

24. CONSTRUCTION WORKERS WILL NOT BE ALLOWED TO ESTABLISH OVERNIGHT RESIDENCE ON THE PREMISES. ALL CONSTRUCTION WORKERS SHALL LEAVE THE CONSTRUCTION SITE AT THE END OF THEIR WORK PERIOD.
25. WORK CANNOT COMMENCE IN EACH PHASE UNTIL:
  - A. SUFFICIENT BARRICADES ARE IN PLACE TO CONFINE THE WORK AREA AND CREATE A BARRIER BETWEEN AIRCRAFT AND VEHICLE MOVEMENT AREAS AND THE CONSTRUCTION AREA.
  - B. ALL SAFETY EQUIPMENT FOR PERSONNEL AND CONSTRUCTION EQUIPMENT IS IN PLACE AND OPERABLE.
  - C. ALL NOTAMS ARE ACTIVE.
26. WEEKLY PROGRESS MEETINGS ARE MANDATORY. THE DAY OF THE WEEK FOR THESE MEETINGS MAY BE DETERMINED BY AGREEMENT BETWEEN THE AIRPORT MANAGEMENT, THE RPR AND THE CONTRACTOR. THESE MEETINGS SHALL BE CONDUCTED BY THE RPR.
27. EACH WEEK THE CONTRACTOR SHALL SUBMIT HIS CONSTRUCTION WORK SCHEDULE TO THE ENGINEER, PROJECTING HIS UPCOMING WORK FOR THE NEXT THREE WEEKS. THE ENGINEER, AIRPORT MANAGEMENT, AIR TRAFFIC CONTROL TOWER REPRESENTATIVE AND RESIDENT PROJECT REPRESENTATIVE SHALL REVIEW THIS PLAN WEEKLY WITH THE CONTRACTOR SO THAT INVOLVED PARTIES ARE AWARE OF UPCOMING CONSTRUCTION EVENTS.
28. INTERIM PROJECT SCHEDULES SHALL BE PROVIDED ON THE FIRST OF EACH MONTH AND INCLUDE:
  - A. ORIGINAL BASELINE
  - B. UPDATE TO CURRENT CONSTRUCTION ACTIVITY.
  - C. ADJUSTED CRITICAL PATH, AND TAXIWAY SHUTDOWN DATES TO BE CLEARLY NOTED.
29. THE CONTRACTOR'S PROJECT SUPERINTENDENT SHALL PARTICIPATE IN A COORDINATION MEETING WITH AIRPORT MANAGER, CONTROL TOWER PERSONNEL, AND RPR PRIOR TO COMMENCEMENT OF EACH PHASE.
30. THE CONTRACTOR'S PROJECT SUPERINTENDENT SHALL PARTICIPATE IN A PAVING CONFERENCE TO BE HELD PRIOR TO PLACING THE TEST STRIP.
31. THE CONTRACTOR'S PROJECT SUPERINTENDENT OR OTHER SUPERVISORY PERSONNEL MUST BE ON SITE DURING ALL WORK ACTIVITIES BY EITHER THE CONTRACTOR'S PERSONNEL OR BY ANY SUB-CONTRACTOR.
32. ALL CORRESPONDENCE WITH THE AIRPORT WILL BE MADE THROUGH THE RPR. THE RPR SHALL BE THE POINT OF CONTACT FOR THE CONTRACTOR ON ALL NOTAMS OR OTHER COMMUNICATION.

**CONTRACTOR'S STAGING / STORAGE AREA, STOCKPILE AREA, AND DISPOSAL AREAS:**

1. STOCKPILES, STAGING / STORAGE AREAS, AND / OR DISPOSAL AREAS SHALL BE AS SHOWN IN THE PLANS, OR AS ADJUSTED IN THE FIELD AND COORDINATED WITH THE OWNER. THESE AREAS SHALL NOT CREATE ANY PONDING OF WATER OR ALTER DRAINAGE PATTERNS OF THE AIRPORT PROPERTY. IF REQUIRED THE CONTRACTOR SHALL PLACE TEMPORARY EROSION CONTROL FENCING AROUND TOPSOIL STOCKPILES TO AVOID SILTING BEYOND THE VICINITY OF THE STOCKPILE.
2. STOCKPILES, STAGING / STORAGE AREAS, AND / OR DISPOSAL AREAS WILL NOT BE PLACED WITHIN ANY WATER OF THE UNITED STATES, INCLUDING WETLANDS, WATERBODIES, AND STREAM BEDS. THESE AREAS SHALL BE CONSTRUCTED IN A MANNER TO PROHIBIT THE RUNOFF OF POLLUTANTS AND CONTROL SILT / SEDIMENT MOVEMENT. ALL WATERWAYS SHALL BE CLEARED AS SOON AS PRACTICAL OF TEMPORARY EMBANKMENTS, TEMPORARY BRIDGES, MATTING, FALSEWORK, PILING, DEBRIS OR OTHER OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT PART OF THE FINISHED WORK.
3. ACCESS TO THE JOB SITE SHALL BE AS SHOWN IN THE PLANS, OR AS ADJUSTED IN THE FIELD AND COORDINATED WITH THE OWNER AND THE OWNER.
4. ALL WASTE AND / OR SPOIL MATERIALS SHALL BE LEGALLY DISPOSED OF OFF AIRPORT PROPERTY BY THE CONTRACTOR IN A LICENSED LANDFILL, UNLESS OTHERWISE NOTED.

**UTILITIES:**

1. THE CONTRACTOR SHALL ANTICIPATE ALL UNDERGROUND OBSTRUCTIONS SUCH AS, BUT NOT LIMITED TO, WATER MAINS, GAS LINES, STORM AND SANITARY SEWERS, TELEPHONE, ELECTRIC LIGHT, OR POWER DUCTS, CONCRETE, AND DEBRIS. ANY SUCH LINES OR OBSTRUCTIONS INDICATED IN THE PLANS SHOW ONLY THE APPROXIMATE LOCATIONS AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. THE OWNER AND ENGINEER HAVE ENDEAVORED IN THESE PLANS TO FAMILIARIZE THE CONTRACTOR WITH ALL KNOWN UTILITIES AND OBSTRUCTIONS, BUT THIS SHALL NOT RELIEVE THE CONTRACTOR FROM FULL RESPONSIBILITY IN ANTICIPATING ALL UNDERGROUND OBSTRUCTIONS, WHETHER OR NOT SHOWN IN THE PLANS.
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED TO HAVE THEIR UTILITIES LOCATED AND MARKED IN THE FIELD. ALL UNDERGROUND UTILITIES SHALL THEN BE UNCOVERED BY THE CONTRACTOR TO VERIFY LOCATION AND ELEVATION PRIOR TO COMMENCING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY OWNER IF A UTILITY INSPECTOR MUST BE ON SITE WHEN LOCATING OR EXCAVATING NEAR UTILITIES. THIS SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS OF THE PROJECT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING UP HIS OWN WATER SOURCES WITH THE CITY. ALL CONSTRUCTION WATER WILL BE METERED BY THE CITY-OWNED METERS AND ONLY THOSE METERS. THE CONTRACTOR WILL BE RESPONSIBLE FOR PAYING ALL RELATED FEES TO THE CITY.
4. AT HIS OWN EXPENSE, THE CONTRACTOR SHALL MAINTAIN IN PROPER WORKING ORDER AND WITHOUT INTERRUPTION OF SERVICE ALL EXISTING UTILITIES AND SERVICES WHICH MAY BE ENCOUNTERED IN THE WORK. WITH THE CONSENT OF THE UTILITY OWNER, SUCH SERVICE CONNECTIONS MAY BE TEMPORARILY INTERRUPTED TO PERMIT THE CONTRACTOR TO REMOVE DESIGNATED LINES OR TO MAKE TEMPORARY CHANGES IN THE LOCATIONS OF SERVICES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INSPECTIONS, AS NECESSARY, OF ANY UTILITY WORK BY THE UTILITY OWNER THROUGHOUT THE PROJECT.

**ENVIRONMENTAL NOTES:**

1. IN THE EVENT THAT UNANTICIPATED ARCHEOLOGICAL DEPOSITS ARE ENCOUNTERED DURING CONSTRUCTION, WORK IN THE IMMEDIATE AREA WILL CEASE AND THE OWNER WILL CONTACT PROFESSIONAL ARCHEOLOGISTS TO INITIATE POST-REVIEW DISCOVERY PROCEDURES UNDER THE PROVISIONS OF 36 CFR 800.13.
2. IN THE EVENT THAT UNANTICIPATED HAZARDOUS MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, WORK IN THE IMMEDIATE AREA WILL CEASE, AND THE OWNER SHALL BE NOTIFIED.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND RESTRICTIONS FOR SERVICING AND MAINTAINING EQUIPMENT AND DISPOSAL OF USED LUBRICANTS, ETC.
4. ANY HAZARDOUS WASTE SPILLS SHALL BE IMMEDIATELY REPORTED TO THE OWNER.

5. THE FEDERAL MIGRATORY BIRD TREATY ACT (MBTA) (16 USC §703-711), 50 CFR 10, AND FISH AND GAME CODE §3503 §3513, AND §3800, PROTECT MIGRATORY AND NON-GAME BIRDS, THEIR OCCUPIED NESTS, AND THEIR EGGS. IN THE EVENT THAT MIGRATORY BIRDS ARE ENCOUNTERED ON SITE DURING PROJECT CONSTRUCTION FROM FEBRUARY 15 TO OCTOBER 1, THE CONTRACTOR MUST TAKE REASONABLE CARE TO AVOID IMPACTS TO PROTECTED BIRDS, THEIR OCCUPIED NESTS, AND THEIR EGGS. WHEN A MIGRATORY BIRD NESTS ARE DISCOVERED THAT MAY BE ADVERSELY AFFECTED BY CONSTRUCTION ACTIVITIES, OR WHEN A BIRD IS FOUND INJURED OR KILLED AS A RESULT OF CONSTRUCTION ACTIVITY, IMMEDIATELY STOP WORK WITHIN 50 FEET OF THE NEST OR BIRD AND NOTIFY THE OWNER.

**DEMOLITION NOTES:**

1. CONDITIONS OF THE PROJECT AREA AND SURROUNDING AREAS UPON COMPLETION OF THE JOB SHALL BE AS GOOD AS OR BETTER THAN THE CONDITION PRIOR TO STARTING WORK, IN ADDITION TO THE WORK ITEMS LISTED.
2. THE PROJECT SHALL BE FREE OF ANY CONTRACTOR STOCKPILE MATERIALS UPON COMPLETION OF THE JOB, UNLESS OTHERWISE DIRECTED BY THE OWNER.
3. UPON COMPLETION OF THE PROJECT, ALL HAUL ROUTES SHALL BE PROPERLY CLEANED TO PREVENT OBSTRUCTION AND / OR CAUSE INCONVENIENCE TO NORMAL REGULAR TRAFFIC. ALL TEMPORARY HAUL ROUTES SHALL BE REMOVED.
4. ALL CONSTRUCTION EQUIPMENT AND ANY FACILITIES TEMPORARILY PLACED ON SITE FOR THE PROJECT SHALL BE REMOVED FROM THE SITE.
5. ANY PROPERTIES BELONGING TO THE OWNER SHALL BE RETURNED TO THE OWNER.
6. PROPER DRAINAGE (NO LOCALIZED PONDING) SHALL BE MAINTAINED, PRIOR TO, DURING, AND AFTER MOBILIZATION / DEMOLITION.
7. DEMOLITION SHALL BE COMPLETED TO THE SATISFACTION OF THE OWNER AND SHALL BE COMPLETED IN A MANNER THAT WILL MINIMIZE INCONVENIENCE TO AIRPORT OPERATIONS. ANY DAMAGE TO THE AIRPORT FACILITIES DURING DEMOLITION SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
8. THE CONTRACTOR SHALL VIDEO AND / OR PHOTOGRAPH THE ENTIRE WORK AREA AND SURROUNDING AREAS AFTER COMPLETION OF ALL PROJECT CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH ONE COPY OF EACH OF THE PICTURE(S) AND / OR VIDEO(S) TAKEN.

**PROJECT NOTES AND SHEET INDEX**

**NEW BRAUNFELS NATIONAL AIRPORT SECURITY FENCING**

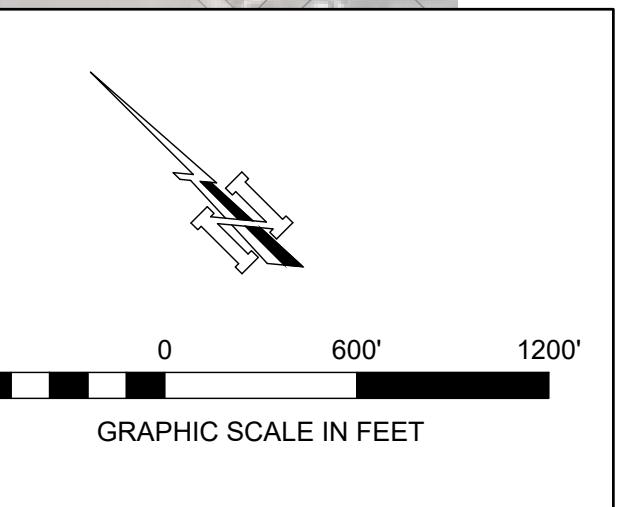
DRAWN BY: BG  
DESIGNED BY: AF, GC  
LATEST REVISION: -  
KSA JOB NO: 102670  
PROJECT NAME: 4813 Pinewood Springs Rd, Suite 204 Austin, TX 78759 T: 512-341-8683 www.ksaeng.com

<b>SHEET INDEX</b>	
Sheet Number	Sheet Title
1	COVER SHEET
2	NEW BRAUNFELS CONSTRUCTION NOTES
3	GENERAL NOTES
4	PROJECT NOTES AND SHEET INDEX
5	OVERALL PROJECT LAYOUT AND KEY MAP
6	SECURITY FENCING PLAN 1
7	SECURITY FENCING PLAN 2
8	SECURITY FENCING PLAN 3
9	SECURITY FENCING PLAN 4
10	SECURITY FENCING PLAN 5
11	SECURITY FENCING PLAN 6
12	SECURITY FENCING PLAN 7
13	SECURITY FENCING PLAN 8
14	SECURITY FENCING PLAN 9
15	SECURITY FENCING PLAN 10
16	SECURITY FENCING PLAN 11
17	CLEARING AND EROSION CONTROL PLAN (1 OF 3)
18	CLEARING AND EROSION CONTROL PLAN (2 OF 3)
19	CLEARING AND EROSION CONTROL PLAN (3 OF 3)
20	EROSION CONTROL DETAILS
21	CHAINLINK FENCE DETAILS
22	GATE FENCE DETAILS
23	MISCELLANEOUS DETAILS

STATE OF TEXAS  
GRAYSON M. COX  
LICENCED PROFESSIONAL ENGINEER  
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SEAL: TBPE Firm Registration No. F-1356  
SHEET NO. 4

NOT

1. THE CONTRACTOR SHALL UTILIZE THE SERVICES OF A REGISTERED PROFESSIONAL LAND SURVEYOR (STATE OF TEXAS REGISTERED) TO LOCATE OR ESTABLISH ALL AIRPORT PROPERTY CORNERS. THE FENCES SHALL BE RUN IN STRAIGHT LINES OR FOLLOWING CURVE ALONG THE PROPERTY LINES BETWEEN THE PROPERTY CORNERS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. ALL CLEARING ALONG FENCE LINE SHALL BE COMPLETED BY CONTRACTOR. CONTRACTOR RESPONSIBLE FOR CONDUCTING A SITE VISIT PRIOR TO PREPARING BID TO DETERMINE LEVEL OF EFFORT REQUIRED.
3. THE CONTRACTOR SHALL LIMIT HIS CLEARING AND CONSTRUCTION ACTIVITY TO AIRPORT PROPERTY. CONTRACTOR SHALL CONTACT ADJACENT PROPERTY OWNERS SEVEN CALENDAR DAYS PRIOR TO START OF CONSTRUCTION OF FENCE.
4. SEE SHEET 21 FOR CHAIN LINK FENCE DETAILS.
5. SEE EROSION CONTROL SHEETS FOR AREAS OF CLEARING, GRUBBING AND TREE REMOVAL.



# OVERALL PROJECT LAYOUT AND KEY MAP

# NEW BRAUNFELS INTERNATIONAL AIRPORT SECURITY FENCING

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A circular watermark featuring the Texas state seal, which includes a five-pointed star in the center, surrounded by the words "THE STATE OF TEXAS" and a decorative border.

Firm Registration No. F-1356  
T NO.

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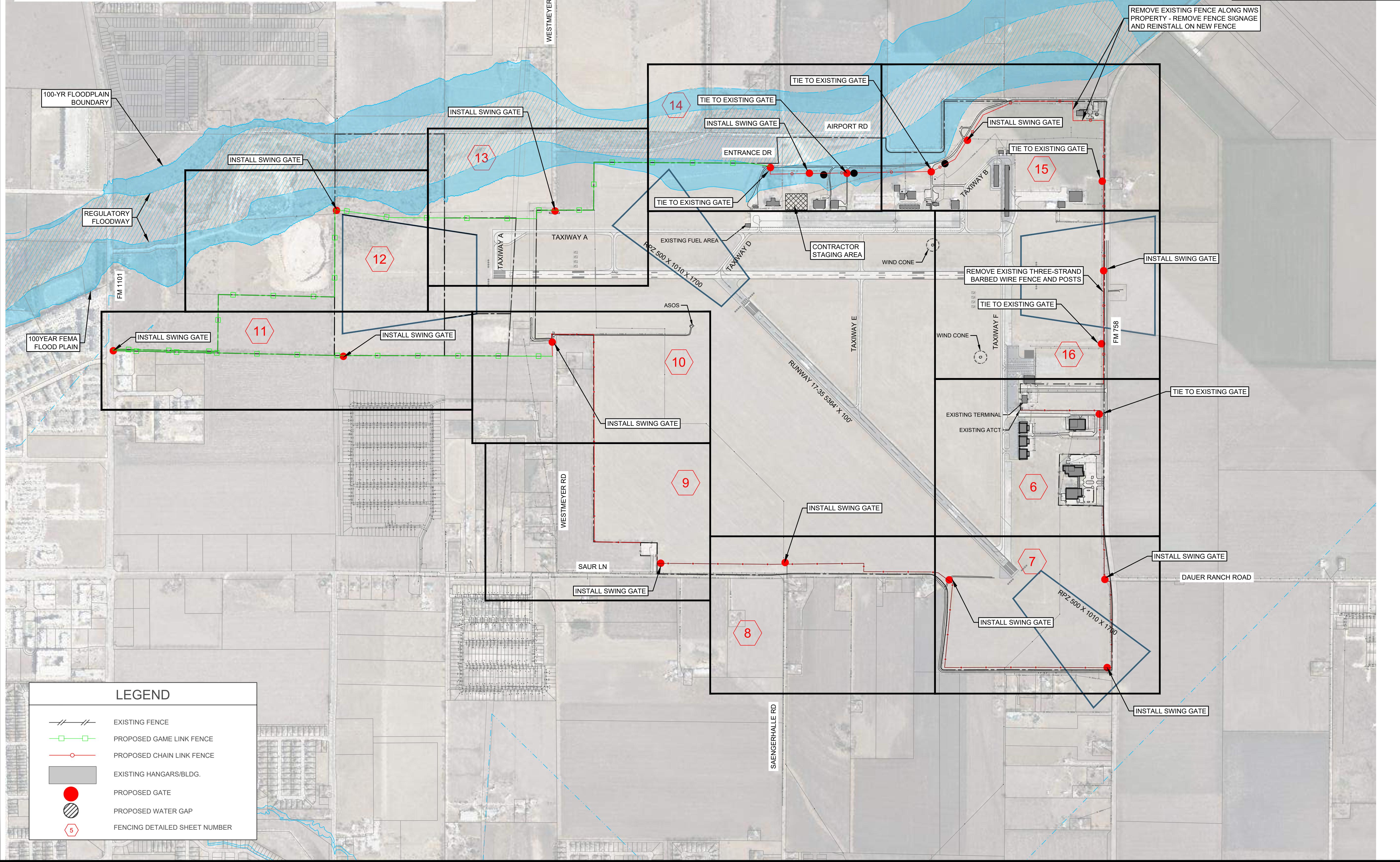
Page 1 of 1

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19. *Leucosia* *leucostoma* (Fabricius) *leucostoma* (Fabricius) *leucostoma* (Fabricius)

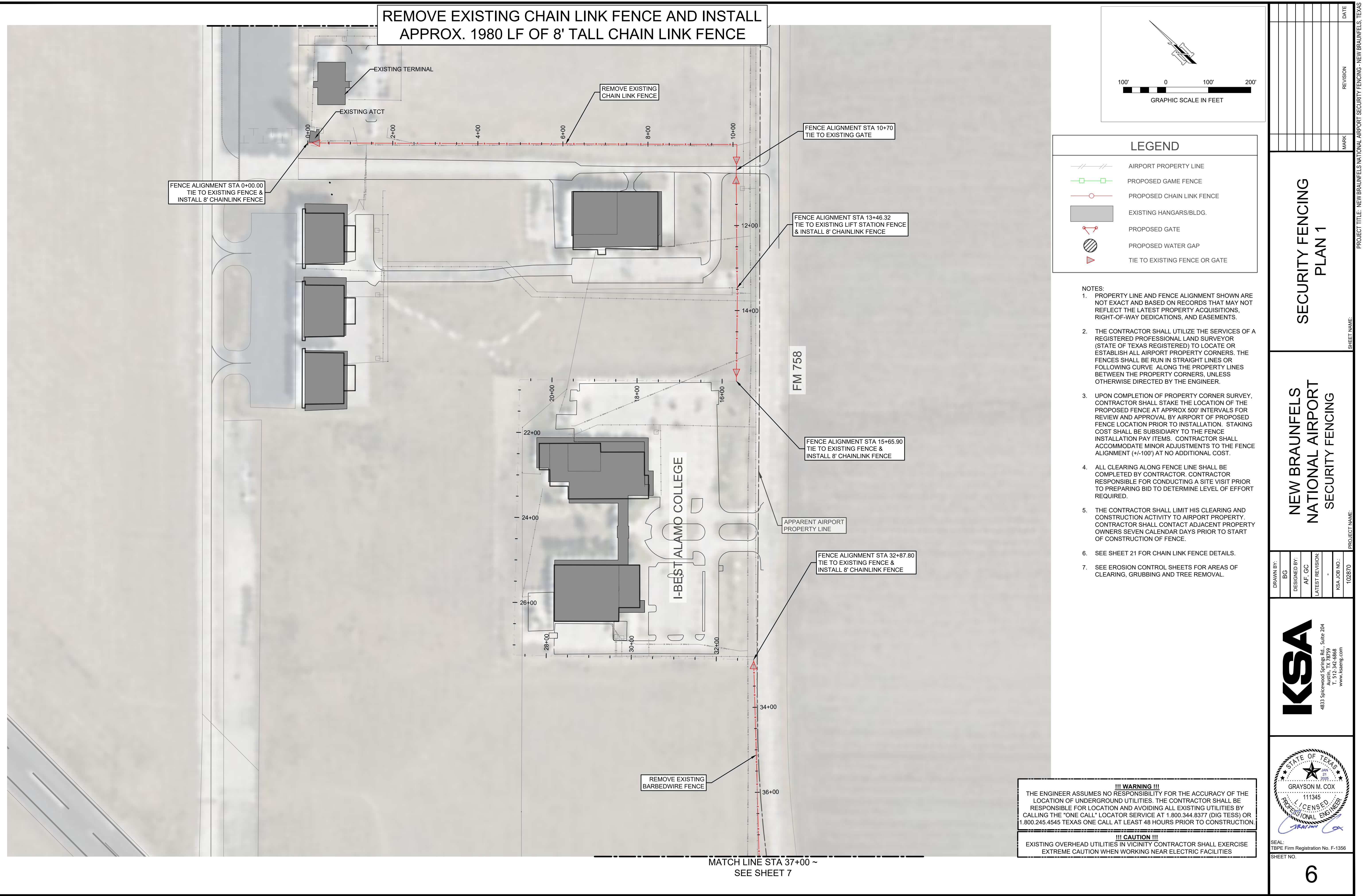
## LEGEND

- Existing Fence
- Proposed Game Link Fence
- Proposed Chain Link Fence
- Existing Hangars/BLDG.
- Proposed Gate
- Proposed Water Gap
- Fencing Detailed Sheet Number



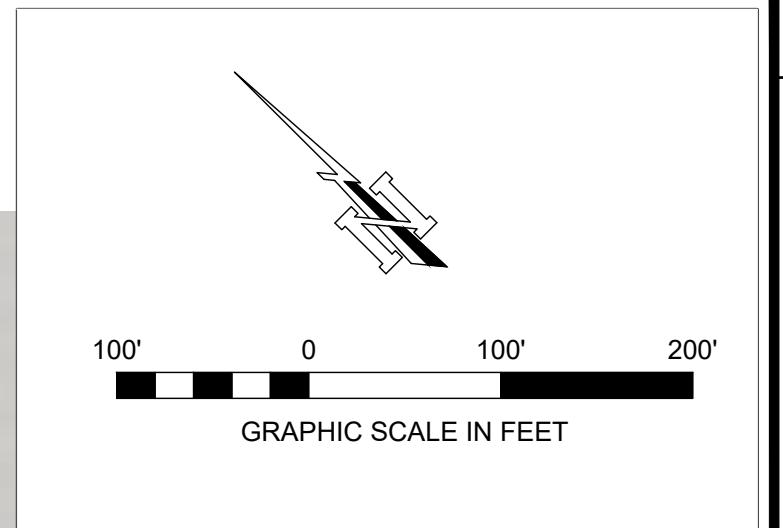
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1



REMOVE EXISTING CHAIN LINK FENCE AND INSTALL  
APPROX. 5002 LF OF 8' TALL CHAIN LINK FENCE

MATCH LINE STA 37+00 ~  
SEE SHEET 6



SECURITY FENCING  
PLAN 2

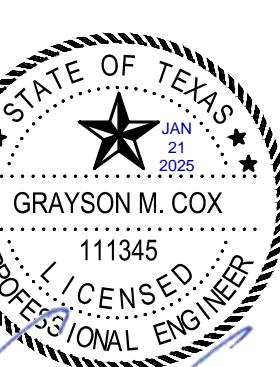
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NEW BRAUNFELS  
NATIONAL AIRPORT  
SECURITY FENCING

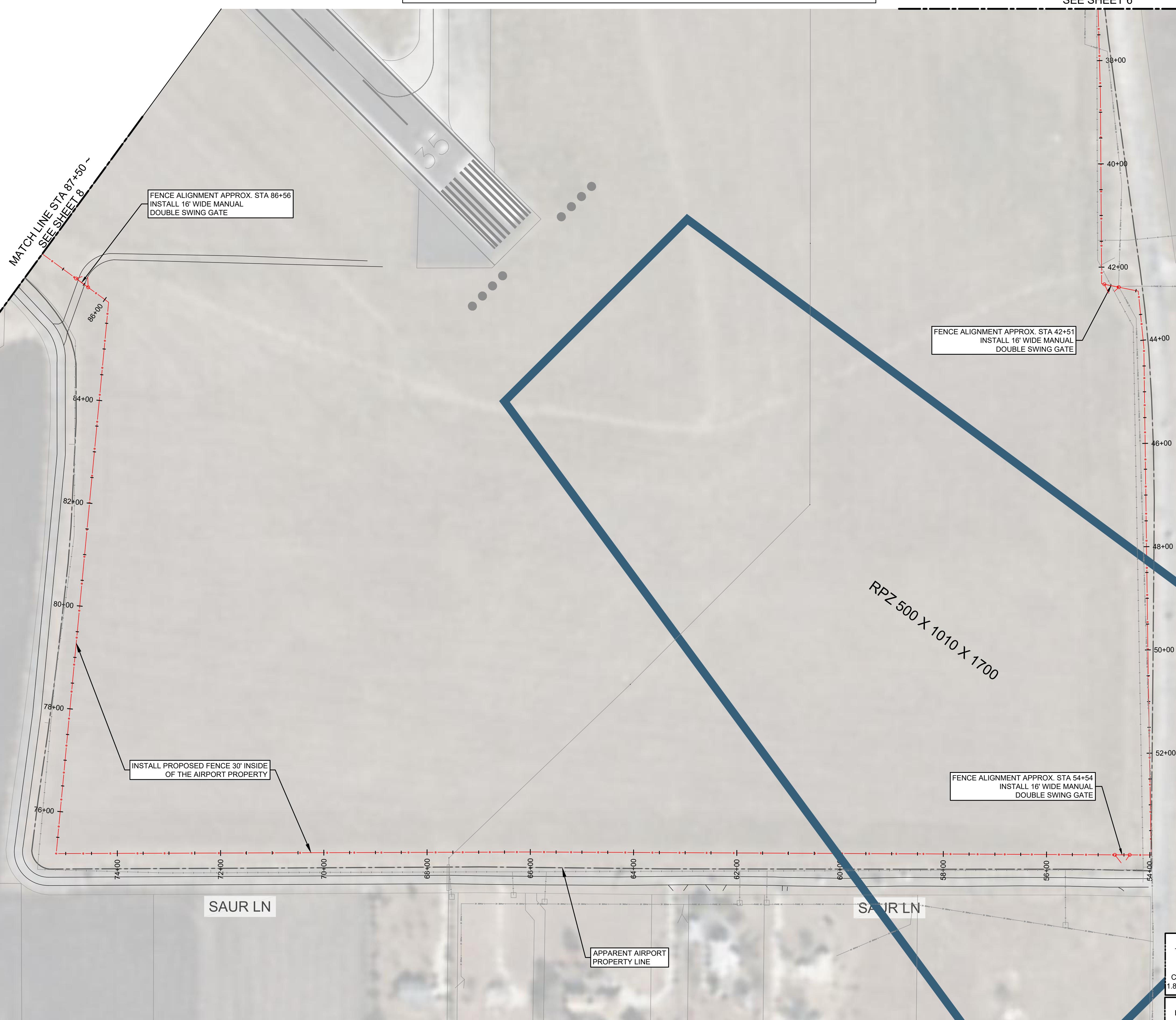
PROJECT NAME:



PROJECT NUMBER:



DATE:



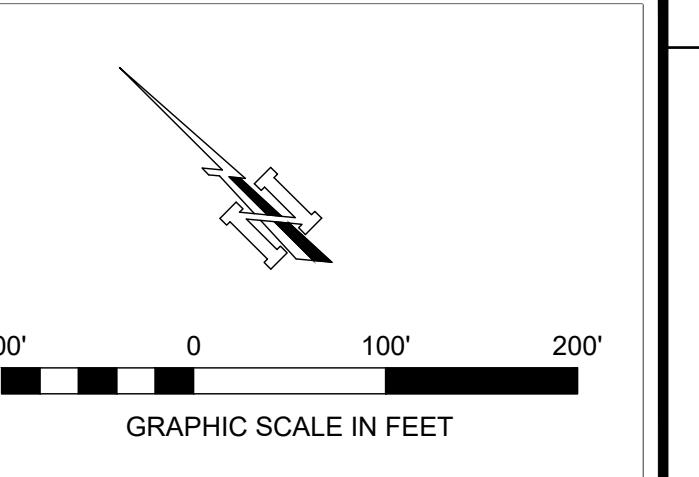
# REMOVE EXISTING CHAIN LINK FENCE AND INSTALL APPROX. 2934 LF OF 8' TALL CHAIN LINK FENCE

NOTES:

- PROPERTY LINE AND FENCE ALIGNMENT SHOWN ARE NOT EXACT AND BASED ON RECORDS THAT MAY NOT REFLECT THE LATEST PROPERTY ACQUISITIONS, RIGHT-OF-WAY DEDICATIONS, AND EASEMENTS.
- THE CONTRACTOR SHALL UTILIZE THE SERVICES OF A REGISTERED PROFESSIONAL LAND SURVEYOR (STATE OF TEXAS REGISTERED) TO LOCATE OR ESTABLISH ALL AIRPORT PROPERTY CORNERS. THE FENCES SHALL BE RUN IN STRAIGHT LINES OR FOLLOWING CURVE ALONG THE PROPERTY LINES BETWEEN THE PROPERTY CORNERS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- UPON COMPLETION OF PROPERTY CORNER SURVEY, CONTRACTOR SHALL STAKE THE LOCATION OF THE PROPOSED FENCE AT APPROX 500' INTERVALS FOR REVIEW AND APPROVAL BY AIRPORT OF PROPOSED FENCE LOCATION PRIOR TO INSTALLATION. STAKING COST SHALL BE SUBSIDIARY TO THE FENCE INSTALLATION PAY ITEMS. CONTRACTOR SHALL ACCOMMODATE MINOR ADJUSTMENTS TO THE FENCE ALIGNMENT (+/-100') AT NO ADDITIONAL COST.
- ALL CLEARING ALONG FENCE LINE SHALL BE COMPLETED BY CONTRACTOR. CONTRACTOR RESPONSIBLE FOR CONDUCTING A SITE VISIT PRIOR TO PREPARING BID TO DETERMINE LEVEL OF EFFORT REQUIRED.
- THE CONTRACTOR SHALL LIMIT HIS CLEARING AND CONSTRUCTION ACTIVITY TO AIRPORT PROPERTY. CONTRACTOR SHALL CONTACT ADJACENT PROPERTY OWNERS SEVEN CALENDAR DAYS PRIOR TO START OF CONSTRUCTION OF FENCE.
- SEE SHEET 21 FOR CHAIN LINK FENCE DETAILS.
- SEE EROSION CONTROL SHEETS FOR AREAS OF CLEARING, GRUBBING AND TREE REMOVAL.

## LEGEND

- AIRPORT PROPERTY LINE
- PROPOSED GAME FENCE
- PROPOSED CHAIN LINK FENCE
- EXISTING HANGARS/BLDG.
- PROPOSED GATE
- PROPOSED WATER GAP
- TIE TO EXISTING FENCE OR GATE



**!!! WARNING !!!**  
THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND AVOIDING ALL EXISTING UTILITIES BY CALLING THE "ONE CALL" LOCATOR SERVICE AT 1.800.344.8377 (DIG TESS) OR 1.800.245.4545 TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

**!!! CAUTION !!!**  
EXISTING OVERHEAD UTILITIES IN VICINITY CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR ELECTRIC FACILITIES

## SECURITY FENCING PLAN 3

Sheet Name:

## NEW BRAUNFELS NATIONAL AIRPORT SECURITY FENCING

Sheet Name:

\V\KSA\NETGATEWAY\PROJECTS\102870008\CAD\0 SHETTS02.CIVIL\102870008-CU-0002.DWG | 9 | 11/21/2025 - 12:05 PM - LAST SAVED BY: BGARREMAN

MATCH LINE STA 117+00

SEE SHEET 9

FENCE ALIGNMENT APPROX. STA 108+70  
INSTALL 16' WIDE MANUAL  
DOUBLE SWING GATE

INSTALL PROPOSED FENCE 135' OFFSET FROM  
PRE-EXISTING BOUNDARY OR 20' OFFSET  
FROM EXPANDED R.O.W. AS RECORDED IN  
VOLUME 419, PAGE 22, OF OFFICIAL PUBLIC  
RECORDS OF GUADALUPE COUNTY, TEXAS

SAUR LN

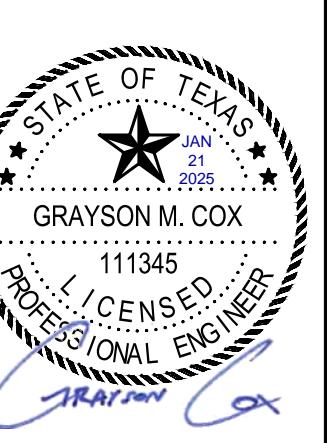
APPARENT AIRPORT  
PROPERTY LINE

INSTALL PROPOSED FENCE 30' INSIDE  
AIRPORT PROPERTY BOUNDARY

SAENGERHALLE RD

**KSA**

4833 Spicewood Springs Rd, Suite 204  
Austin, TX 78759  
T: 512.341.8683  
www.ksaeng.com



0

PROJECT TITLE: NEW BRAUNFELS NATIONAL AIRPORT SECURITY FENCING - NEW BRAUNFELS, TEXAS

DATE

MARK

REVISION

REMOVE EXISTING CHAIN LINK FENCE AND INSTALL  
APPROX. 2726 LF OF 8' TALL CHAIN LINK FENCE

MATCH LINE STA 148+00  
~ SEE SHEET 10



LEGEND	
	AIRPORT PROPERTY LINE
	PROPOSED GAME FENCE
	PROPOSED CHAIN LINK FENCE
	EXISTING HANGARS/BLDG.
	PROPOSED GATE
	PROPOSED WATER GAP
	TIE TO EXISTING FENCE OR GATE

NOTES:

1. PROPERTY LINE AND FENCE ALIGNMENT SHOWN ARE NOT EXACT AND BASED ON RECORDS THAT MAY NOT REFLECT THE LATEST PROPERTY ACQUISITIONS, RIGHT-OF-WAY DEDICATIONS, AND EASEMENTS.
2. THE CONTRACTOR SHALL UTILIZE THE SERVICES OF A REGISTERED PROFESSIONAL LAND SURVEYOR (STATE OF TEXAS REGISTERED) TO LOCATE OR ESTABLISH ALL AIRPORT PROPERTY CORNERS. THE FENCES SHALL BE RUN IN STRAIGHT LINES OR FOLLOWING CURVE ALONG THE PROPERTY LINES BETWEEN THE PROPERTY CORNERS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. UPON COMPLETION OF PROPERTY CORNER SURVEY, CONTRACTOR SHALL STAKE THE LOCATION OF THE PROPOSED FENCE AT APPROX 500' INTERVALS FOR REVIEW AND APPROVAL BY AIRPORT OF PROPOSED FENCE LOCATION PRIOR TO INSTALLATION. STAKING COST SHALL BE SUBSIDARY TO THE FENCE INSTALLATION PAY ITEMS. CONTRACTOR SHALL ACCOMMODATE MINOR ADJUSTMENTS TO THE FENCE ALIGNMENT (+/-100') AT NO ADDITIONAL COST.
4. ALL CLEARING ALONG FENCE LINE SHALL BE COMPLETED BY CONTRACTOR. CONTRACTOR RESPONSIBLE FOR CONDUCTING A SITE VISIT PRIOR TO PREPARING BID TO DETERMINE LEVEL OF EFFORT REQUIRED.
5. THE CONTRACTOR SHALL LIMIT HIS CLEARING AND CONSTRUCTION ACTIVITY TO AIRPORT PROPERTY. CONTRACTOR SHALL CONTACT ADJACENT PROPERTY OWNERS SEVEN CALENDAR DAYS PRIOR TO START OF CONSTRUCTION OF FENCE.
6. SEE SHEET 21 FOR CHAIN LINK FENCE DETAILS.
7. SEE EROSION CONTROL SHEETS FOR AREAS OF CLEARING, GRUBBING AND TREE REMOVAL.

SECURITY FENCING  
PLAN 4

NEW BRAUNFELS  
NATIONAL AIRPORT  
SECURITY FENCING

Sheet Name:

PROJECT TITLE: NEW BRAUNFELS NATIONAL AIRPORT SECURITY FENCING - NEW BRAUNFELS, TEXAS

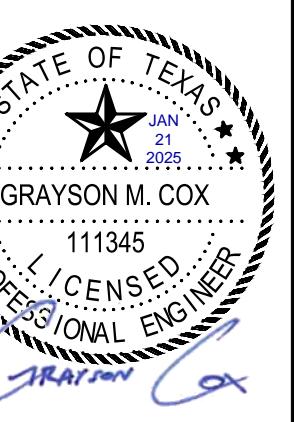
**KSA**

4833 Spicewood Springs Rd, Suite 204

Austin, TX 78759

T: 512.341.6868

www.ksaeng.com

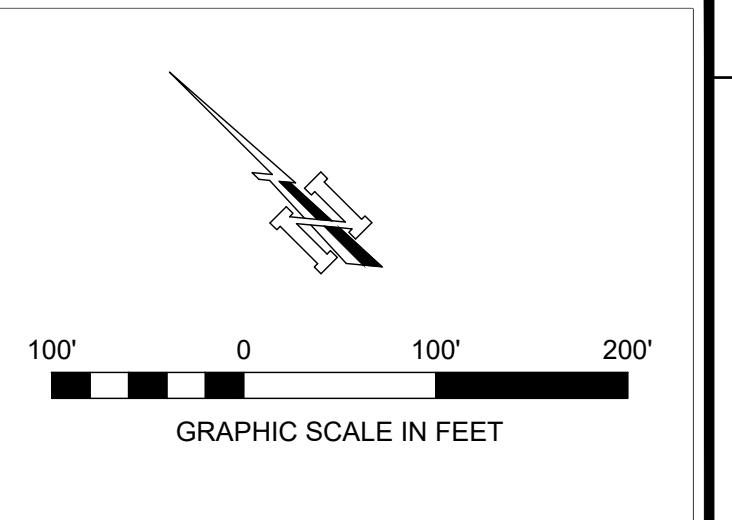


6

!!! WARNING !!!  
THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION AND AVOIDING ALL EXISTING UTILITIES BY CALLING THE "ONE CALL" LOCATOR SERVICE AT 1.800.344.8377 (DIG TESS) OR 1.800.245.4545 TEXAS ONE CALL AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

!!! CAUTION !!!  
EXISTING OVERHEAD UTILITIES IN VICINITY CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR ELECTRIC FACILITIES

REMOVE EXISTING CHAIN LINK FENCE AND INSTALL APPROX.  
2184 LF OF CHAIN LINK FENCE & 1000 LF GAME FENCE



## LEGEND

PORT PROPERTY LINE  
POSED GAME FENCE  
POSED CHAIN LINK FENCE  
EXISTING HANGARS/BLDG.  
POSED GATE  
POSED WATER GAP  
TO EXISTING FENCE OR GATE

OTES:

PROPERTY LINE AND FENCE ALIGNMENT SHOWN ARE NOT EXACT AND BASED ON RECORDS THAT MAY NOT REFLECT THE LATEST PROPERTY ACQUISITIONS, RIGHT-OF-WAY DEDICATIONS, AND EASEMENTS.

THE CONTRACTOR SHALL UTILIZE THE SERVICES OF A REGISTERED PROFESSIONAL LAND SURVEYOR (STATE OF TEXAS REGISTERED) TO LOCATE OR ESTABLISH ALL AIRPORT PROPERTY CORNERS. THE FENCES SHALL BE RUN IN STRAIGHT LINES OR FOLLOWING CURVE ALONG THE PROPERTY LINES BETWEEN THE PROPERTY CORNERS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

UPON COMPLETION OF PROPERTY CORNER SURVEY, CONTRACTOR SHALL STAKE THE LOCATION OF THE PROPOSED FENCE AT APPROX 500' INTERVALS FOR REVIEW AND APPROVAL BY AIRPORT OF PROPOSED FENCE LOCATION PRIOR TO INSTALLATION. STAKING COST SHALL BE SUBSIDIARY TO THE FENCE INSTALLATION PAY ITEMS. CONTRACTOR SHALL ACCOMMODATE MINOR ADJUSTMENTS TO THE FENCE ALIGNMENT (+/-100') AT NO ADDITIONAL COST.

ALL CLEARING ALONG FENCE LINE SHALL BE COMPLETED BY CONTRACTOR. CONTRACTOR RESPONSIBLE FOR CONDUCTING A SITE VISIT PRIOR TO PREPARING BID TO DETERMINE LEVEL OF EFFORT REQUIRED.

THE CONTRACTOR SHALL LIMIT HIS CLEARING AND CONSTRUCTION ACTIVITY TO AIRPORT PROPERTY. CONTRACTOR SHALL CONTACT ADJACENT PROPERTY OWNERS SEVEN CALENDAR DAYS PRIOR TO START OF CONSTRUCTION OF FENCE.

SEE SHEET 21 FOR CHAIN LINK FENCE DETAILS.

SEE EROSION CONTROL SHEETS FOR AREAS OF CLEARING, CRUPPING AND TREE REMOVAL.

MATCH LINE STA 180+00  
SEE SHEET 11

SEE SHEET 11

WESTMEYER RD

APPARENT AIRPORT PROPERTY LINE

FENCE ALIGNMENT APPROX. STA 168+00  
INSTALL 16' WIDE MANUAL DOUBLE SWING GATE

FENCE ALIGNMENT APPROX. STA 169+93  
END 8' CHAIN LINK FENCE AND BEGIN GAME FENCE

FENCE LINE TO BE CLEARED OF ALL VEGETATION REQUIRED TO BE REMOVED FOR FENCE INSTALLATION

FENCE LINE TO BE CLEARED OF ALL VEGETATION REQUIRED TO BE REMOVED FOR FENCE INSTALLATION

178+00

176+00

174+00

172+00

170+00

168+00

166+00

164+00

162+00

160+00

158+00

156+00

154+00

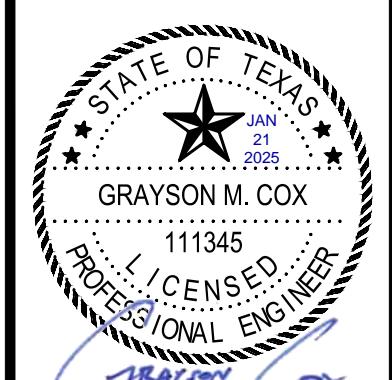
152+00

150+00

**MATCH LINE STA 148+00  
~ SEE SHEET 9**



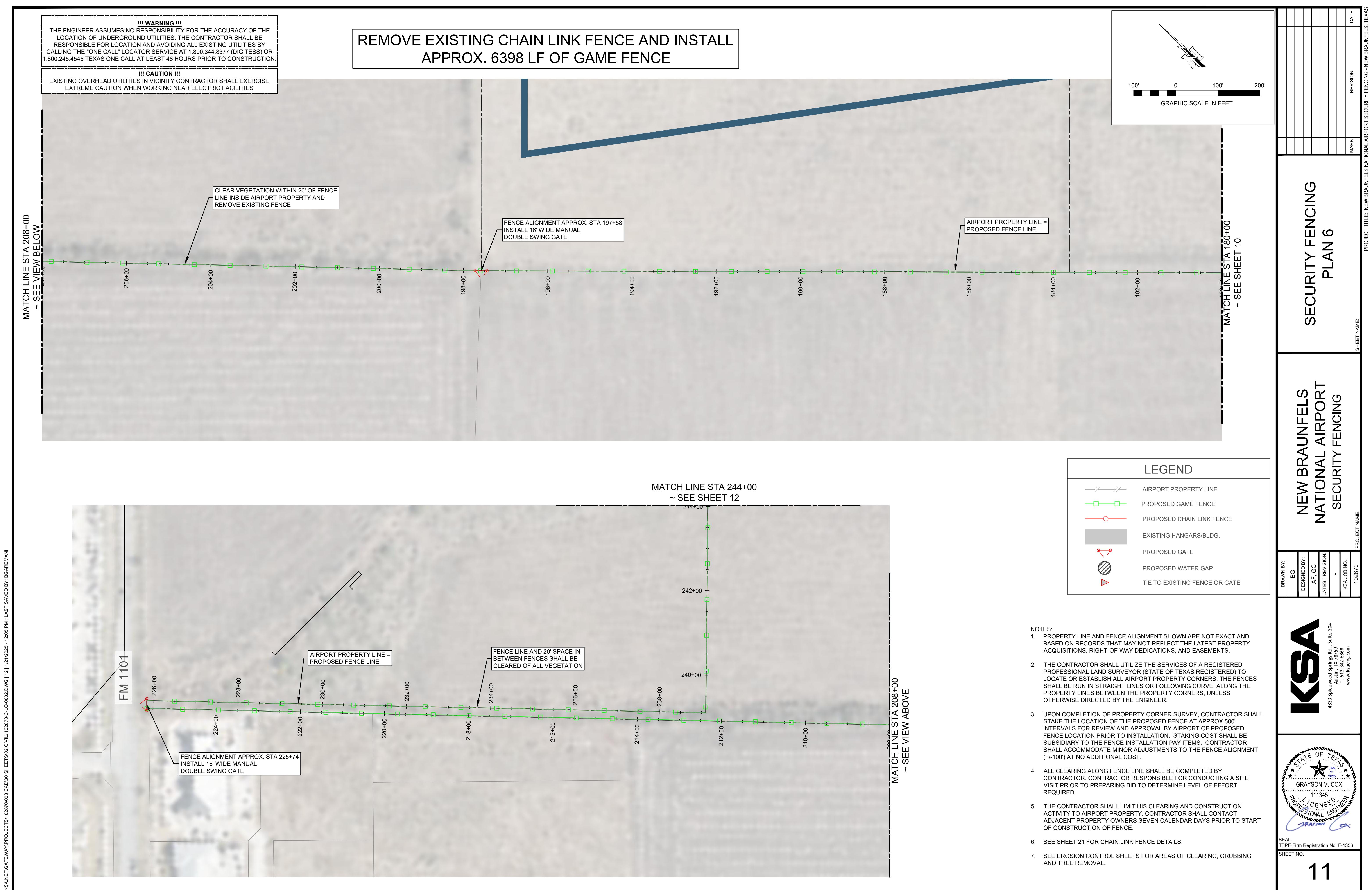
4833 Spicewood Springs Rd., Suite 204  
Austin, TX 78759  
T. 512-342-9868



0

**!!! WARNING !!!**

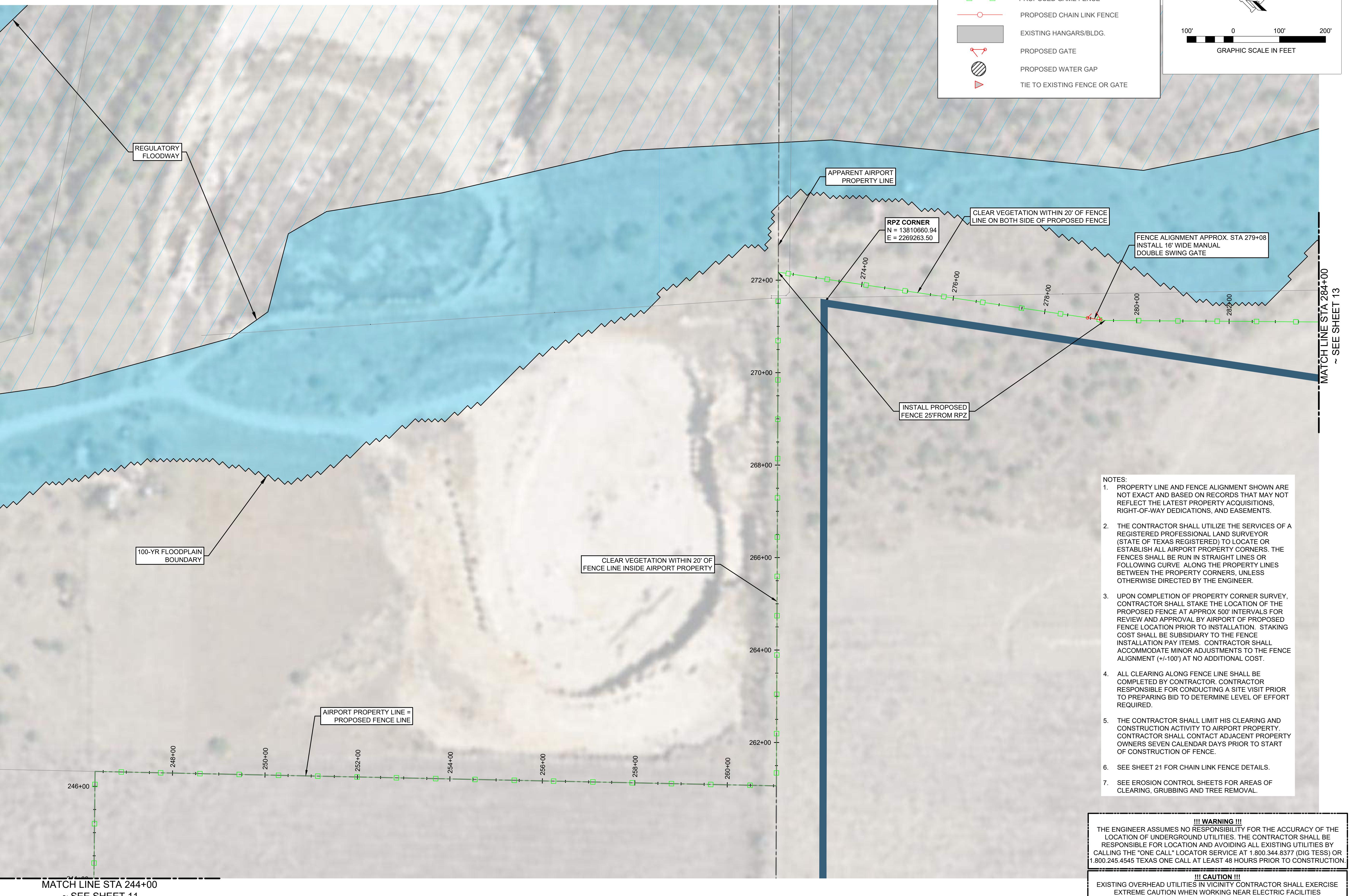
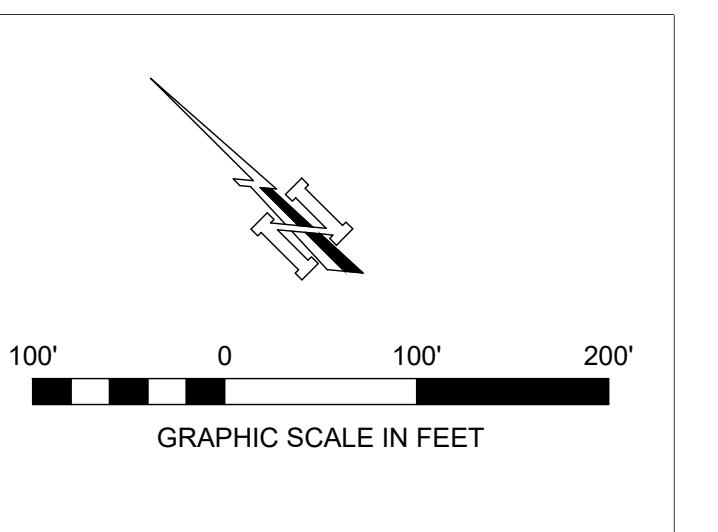
**!!! CAUTION !!!**



REMOVE EXISTING CHAIN LINK FENCE AND INSTALL  
APPROX. 3984 LF OF GAME FENCE

LEGEND

- AIRPORT PROPERTY LINE
- PROPOSED GAME FENCE
- PROPOSED CHAIN LINK FENCE
- EXISTING HANGARS/BLDG.
- PROPOSED GATE
- PROPOSED WATER GAP
- TIE TO EXISTING FENCE OR GATE



SECURITY FENCING  
PLAN 7

NEW BRAUNFELS  
NATIONAL AIRPORT  
SECURITY FENCING

DRAWN BY:  
BG  
DESIGNED BY:  
AF, GC  
LATEST REVISION:  
-  
KSA JOB NO.:  
102970  
PROJECT NAME:  
KSA

4833 Spicewood Springs Rd, Suite 204  
Austin, TX 78759  
T: 512.341.8683  
www.ksaeng.com

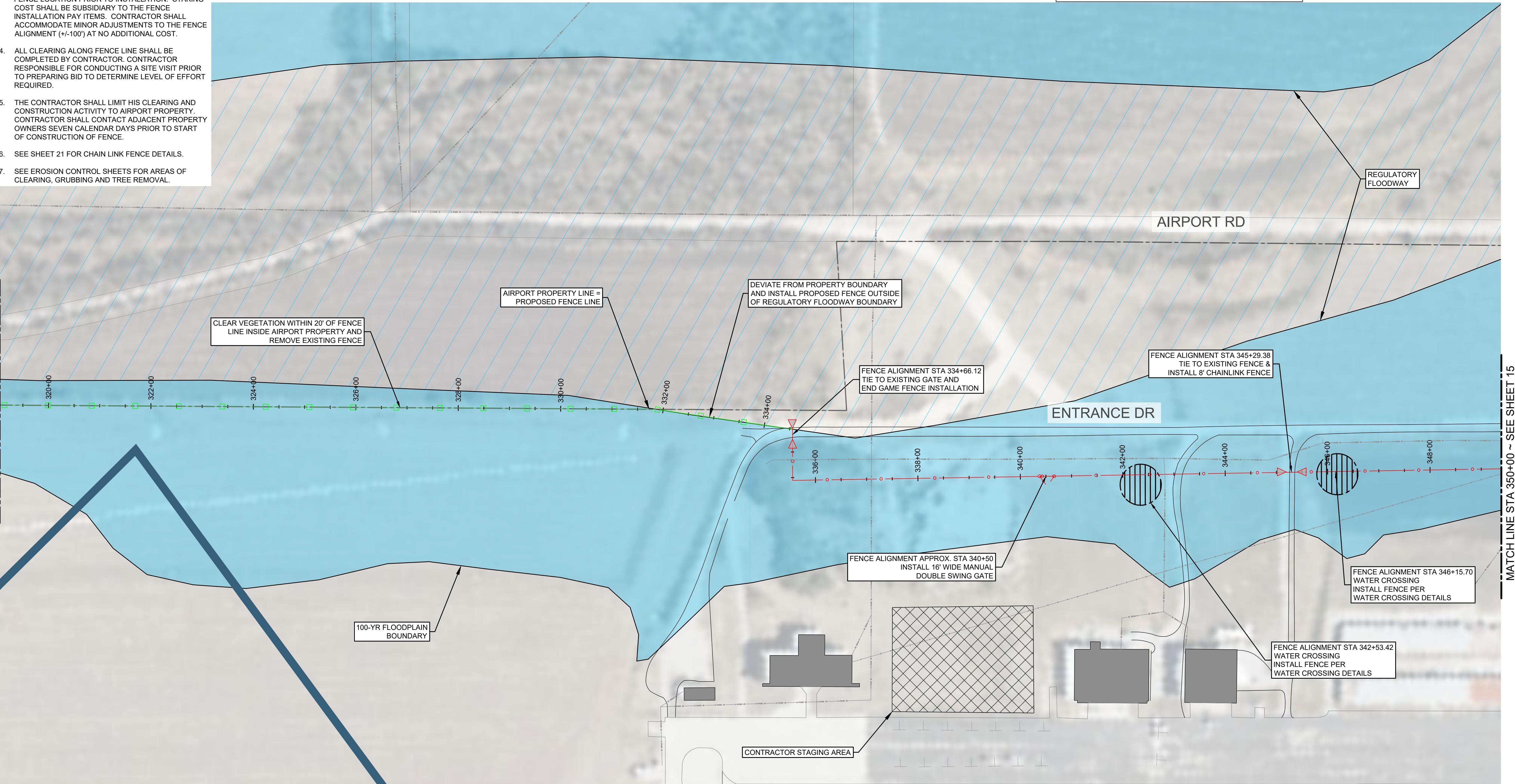
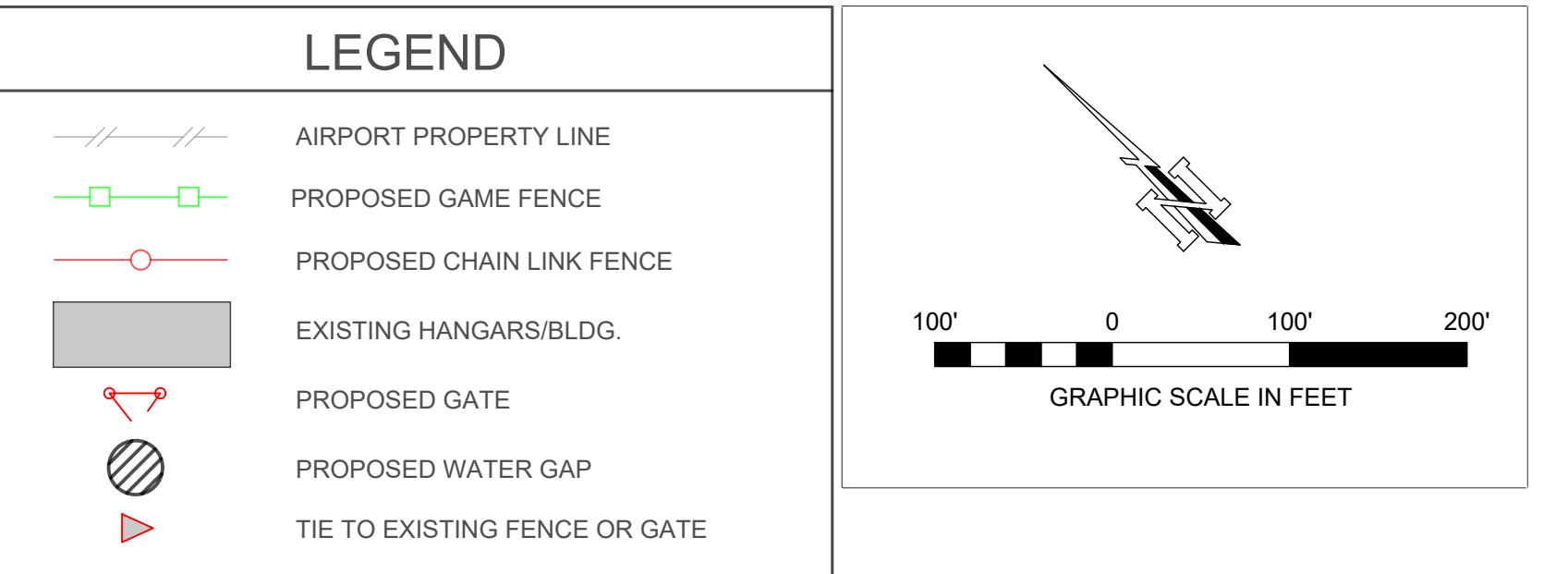
STATE OF TEXAS  
GRAYSON M. COX  
111345  
LICENSED PROFESSIONAL ENGINEER  
SEAL: TBPE Firm Registration No. F-1356  
SHEET NO.



NOTES:

- PROPERTY LINE AND FENCE ALIGNMENT SHOWN ARE NOT EXACT AND BASED ON RECORDS THAT MAY NOT REFLECT THE LATEST PROPERTY ACQUISITIONS, RIGHT-OF-WAY DEDICATIONS, AND EASEMENTS.
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- SEE SHEET 21 FOR CHAIN LINK FENCE DETAILS.
- SEE EROSION CONTROL SHEETS FOR AREAS OF CLEARING, GRUBBING AND TREE REMOVAL.

## REMOVE EXISTING CHAIN LINK FENCE AND INSTALL APPROX. 1510 LF OF 8' TALL CHAIN LINK FENCE AND 1566 LF OF GAME FENCE



!!! WARNING !!!  
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!!! CAUTION !!!  
 EXISTING OVERHEAD UTILITIES IN VICINITY CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR ELECTRIC FACILITIES

## SECURITY FENCING PLAN 9

## NEW BRAUNFELS NATIONAL AIRPORT SECURITY FENCING

PROJECT TITLE: NEW BRAUNFELS NATIONAL AIRPORT SECURITY FENCING - NEW BRAUNFELS, TEXAS

SHEET NAME:

PROJECT NAME:

DRAWN BY:

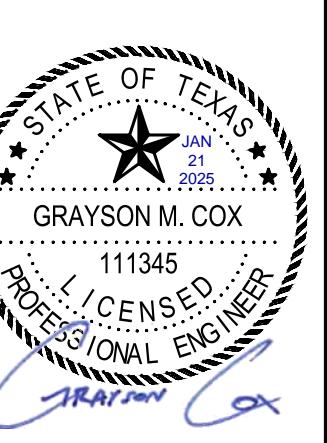
DESIGNED BY:

LATEST REVISION:

KSA JOB NO.:

102970

**KSA**  
4833 Spicewood Springs Rd, Suite 204  
Austin, TX 78759  
T: 512.341.6868  
www.ksaeng.com

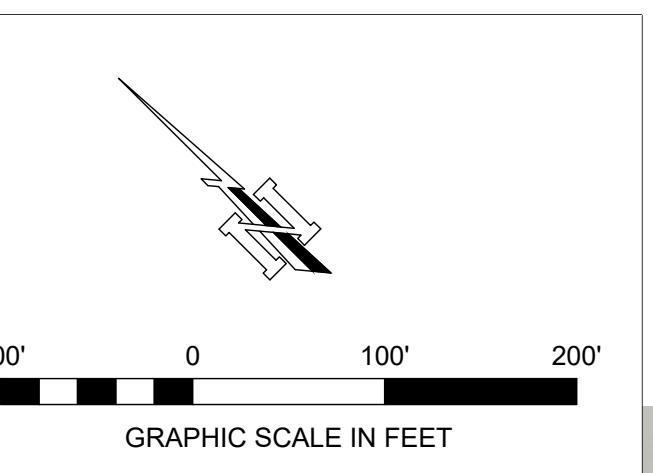


# REMOVE EXISTING CHAIN LINK FENCE AND INSTALL APPROX. 4536 LF OF 8' TALL CHAIN LINK FENCE

NOTES:

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- SEE EROSION CONTROL SHEETS FOR AREAS OF CLEARING, GRUBBING AND TREE REMOVAL.

LEGEND	
	AIRPORT PROPERTY LINE
	PROPOSED GAME FENCE
	PROPOSED CHAIN LINK FENCE
	EXISTING HANGARS/BLDG.
	PROPOSED GATE
	PROPOSED WATER GAP
	TIE TO EXISTING FENCE OR GATE

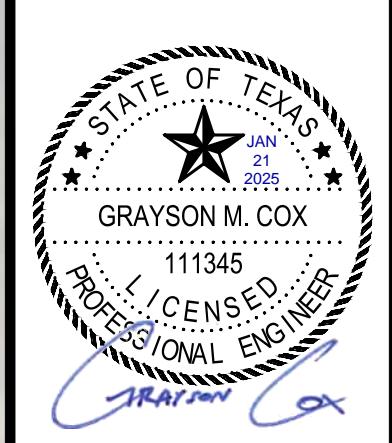


## SECURITY FENCING PLAN 10

## NEW BRAUNFELS NATIONAL AIRPORT SECURITY FENCING

**KSA**

4833 Spicewood Springs Rd, Suite 204  
Austin, TX 78759  
T: 512-341-8683  
www.ksaeng.com

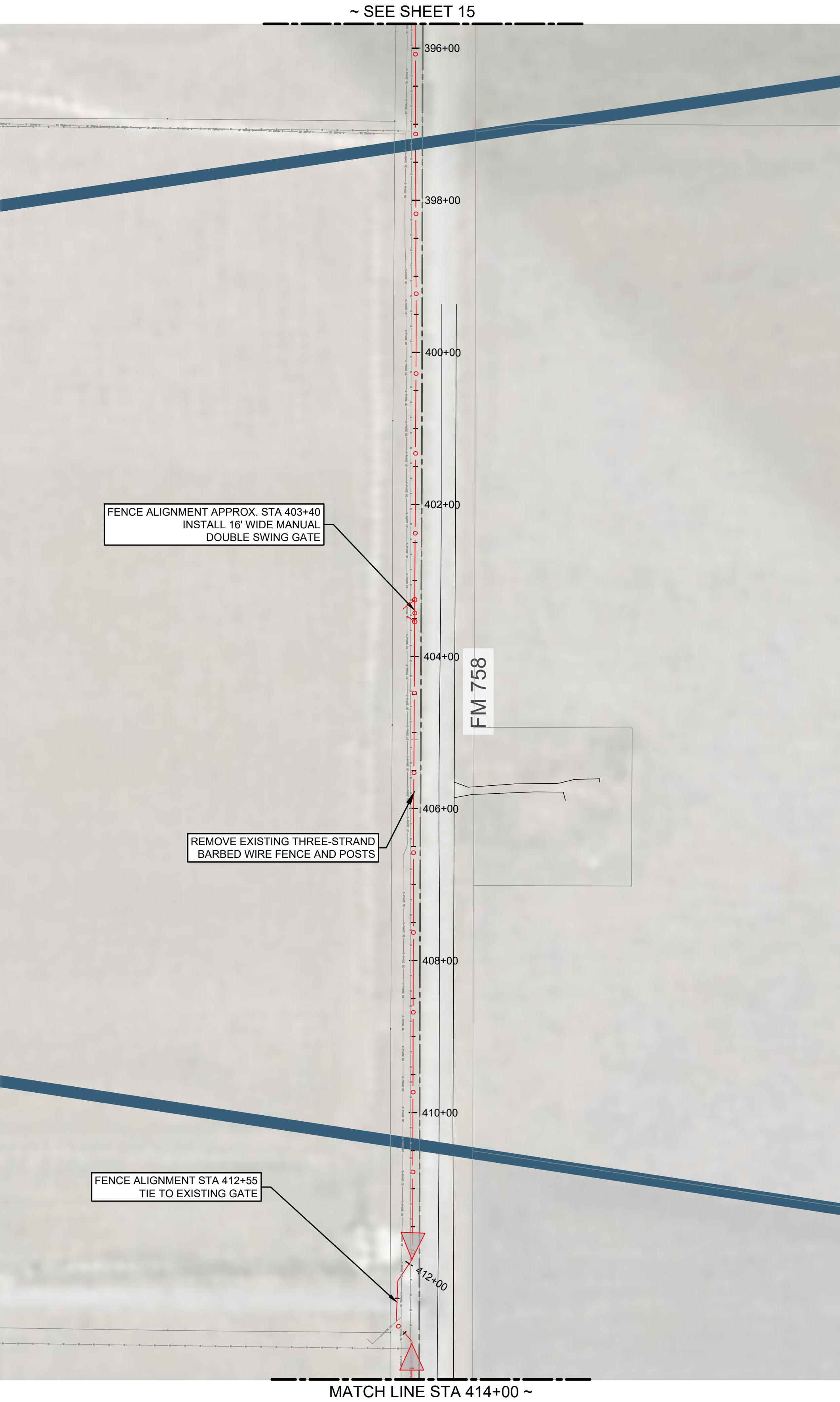


ENTRANCE DR

!!! WARNING !!!

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!!! CAUTION !!!  
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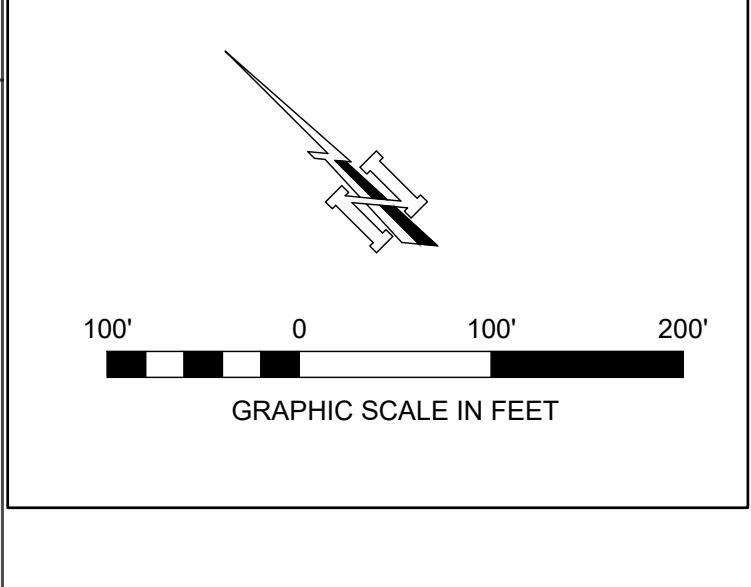
## REMOVE EXISTING CHAIN LINK FENCE AND INSTALL APPROX. 2131 LF OF 8' TALL CHAIN LINK FENCE

### NOTES:

1. PROPERTY LINE AND FENCE ALIGNMENT SHOWN ARE NOT EXACT AND BASED ON RECORDS THAT MAY NOT REFLECT THE LATEST PROPERTY ACQUISITIONS, RIGHT-OF-WAY DEDICATIONS, AND EASEMENTS.
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6. SEE SHEET 21 FOR CHAIN LINK FENCE DETAILS.
7. SEE EROSION CONTROL SHEETS FOR AREAS OF CLEARING, GRUBBING AND TREE REMOVAL.

### LEGEND

- AIRPORT PROPERTY LINE
- PROPOSED GAME FENCE
- PROPOSED CHAIN LINK FENCE
- EXISTING HANGARS/BLDG.
- PROPOSED GATE
- PROPOSED WATER GAP
- TIE TO EXISTING FENCE OR GATE



## SECURITY FENCING PLAN 11

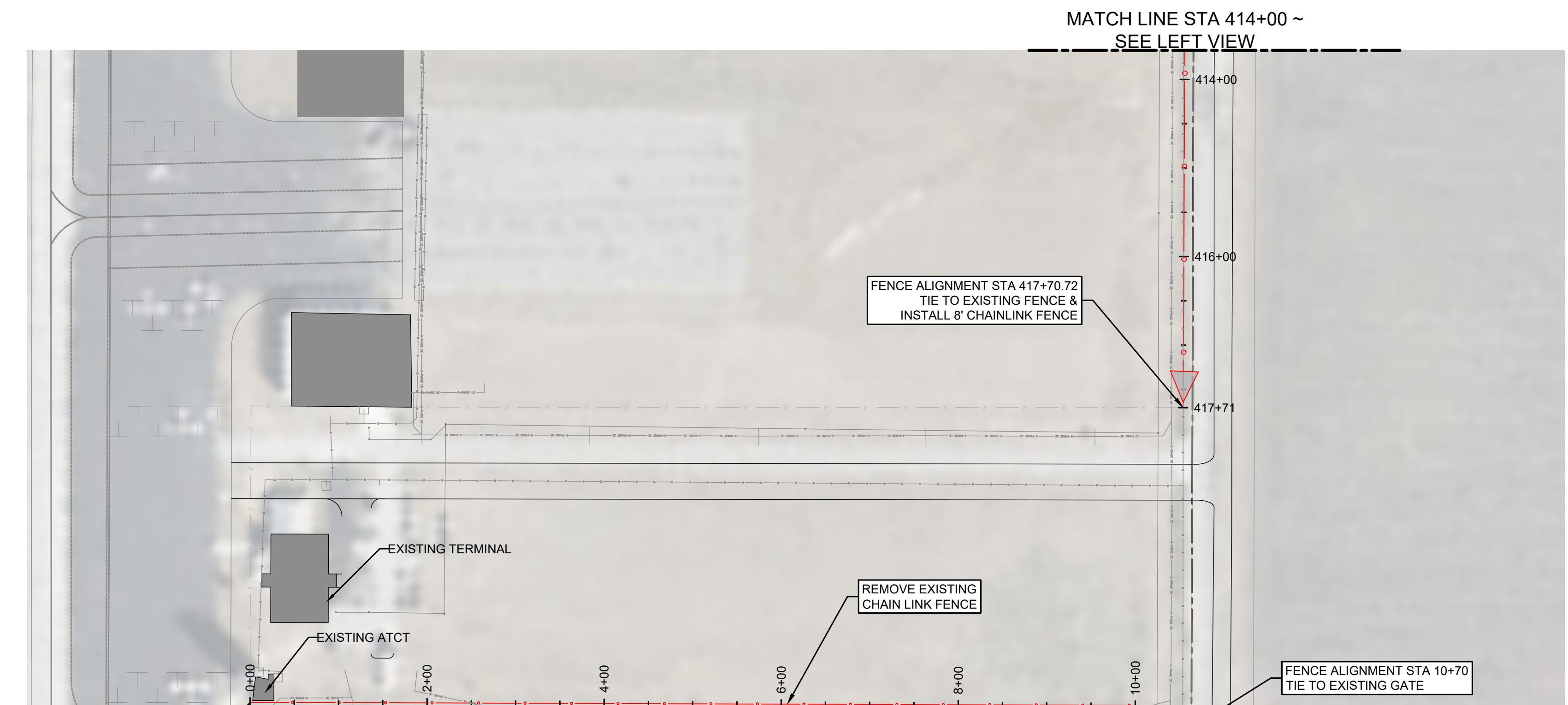
### NEW BRAUNFELS NATIONAL AIRPORT SECURITY FENCING

PROJECT NAME:  
102870

**KSA**  
4833 Spicewood Springs Rd, Suite 204  
Austin, TX 78759  
T: 512-341-6868  
www.ksaeng.com

STATE OF TEXAS  
GRAYSON M. COX  
111345  
LICENSED PROFESSIONAL ENGINEER  
SEAL: TBPE Firm Registration No. F-1356  
SHEET NO.

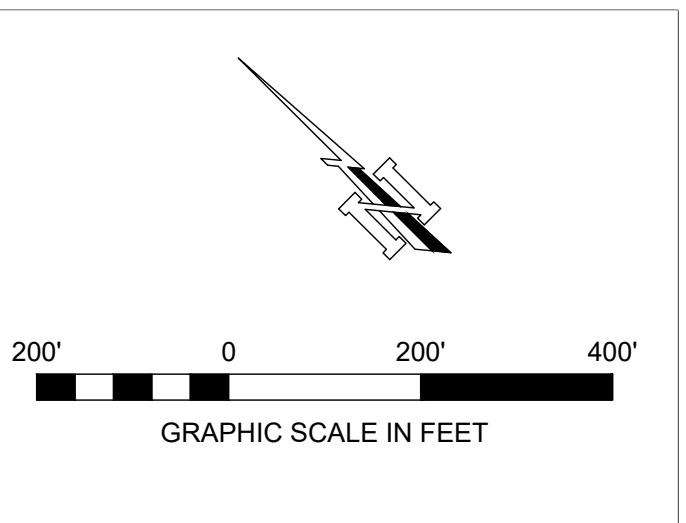
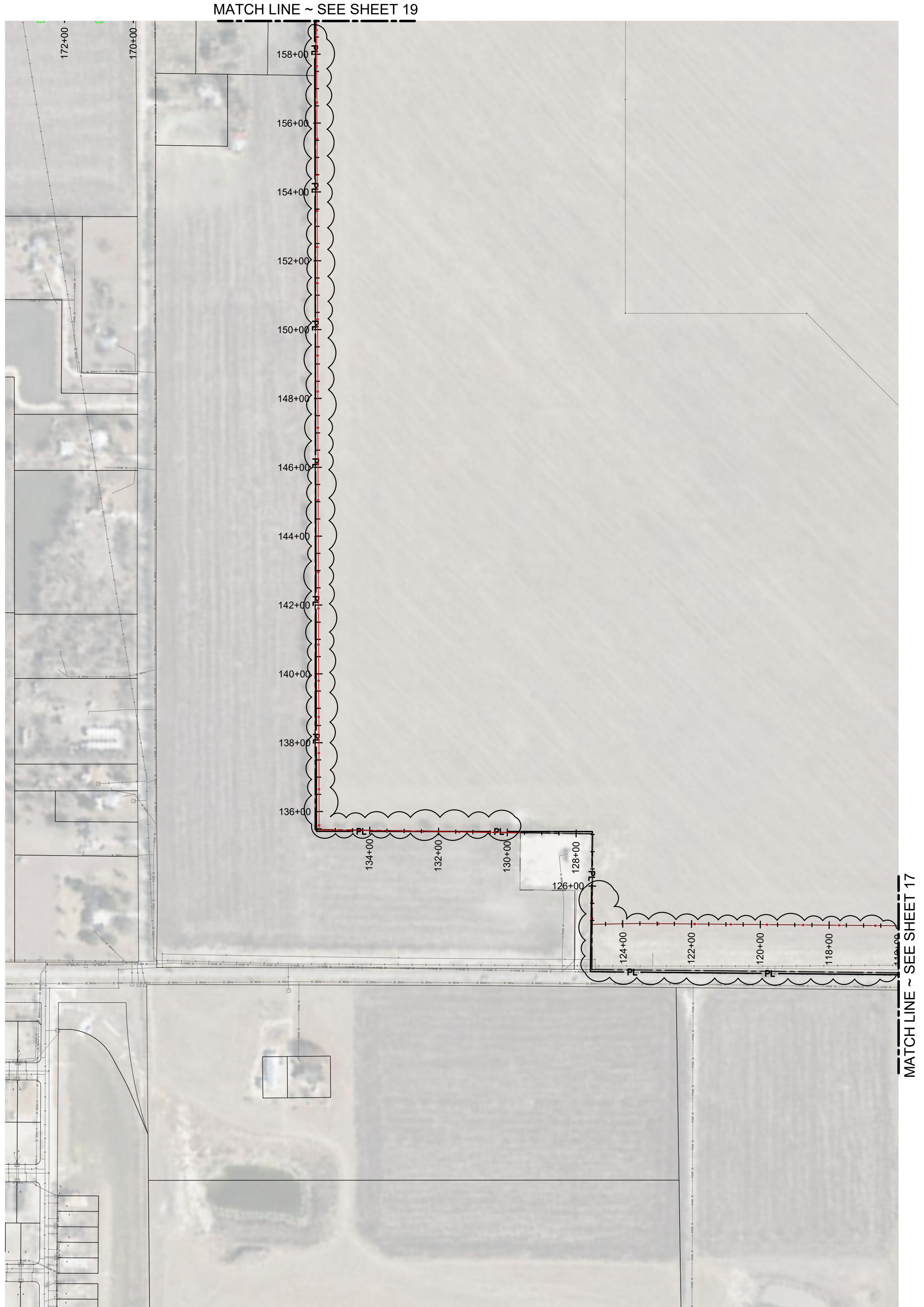
16



!!! WARNING !!!  
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EXISTING OVERHEAD UTILITIES IN VICINITY CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR ELECTRIC FACILITIES





LEGEND	
PL	AIRPORT PROPERTY LINE
Proposed Game Fence	
Proposed Chain Link Fence	
Proposed Game Fence	
Existing Hangars/BLDG.	
Area to be Cleared	
Silt Fence	
Contractor Staging Area	
Stabilized Construction Exit	

NOTES

1. ALL TREES, SHRUB AND BRUSH TO BE REMOVED WITHIN FENCE BOUNDARY ON AIRPORT PROPERTY. NO WORK TO TAKE PLACE OFF AIRPORT PROPERTY.
2. ALL TREES, SHRUB AND BRUSH OUTSIDE FENCE BOUNDARY ON AIRPORT PROPERTY TO BE REMOVED TO MINIMUM 10 FEET FROM PROPOSED FENCE LINE.
3. ALL OTHER FENCE LOCATED WITHIN 10 FEET OF PROPOSED FENCE TO BE REMOVED WITH TREES, SHRUBS AND BRUSH. DISTURBED AREAS TO BE SEDED.
4. SILT FENCE TO BE RELOCATED AND REUSED WHERE POSSIBLE AS WORK PROGRESSES AROUND PERIMETER.

CLEARING AND  
EROSION CONTROL  
PLAN (2 OF 3)

NEW BRAUNFELS  
NATIONAL AIRPORT  
SECURITY FENCING

DRAWN BY:  
BG

DESIGNED BY:  
AF, GC

LATEST REVISION:  
-  
KSA JOB NO.:  
102870

PROJECT NAME:  
www.ksaeng.com

**KSA**

4833 Spicewood Springs Rd, Suite 204

Austin, TX 78759

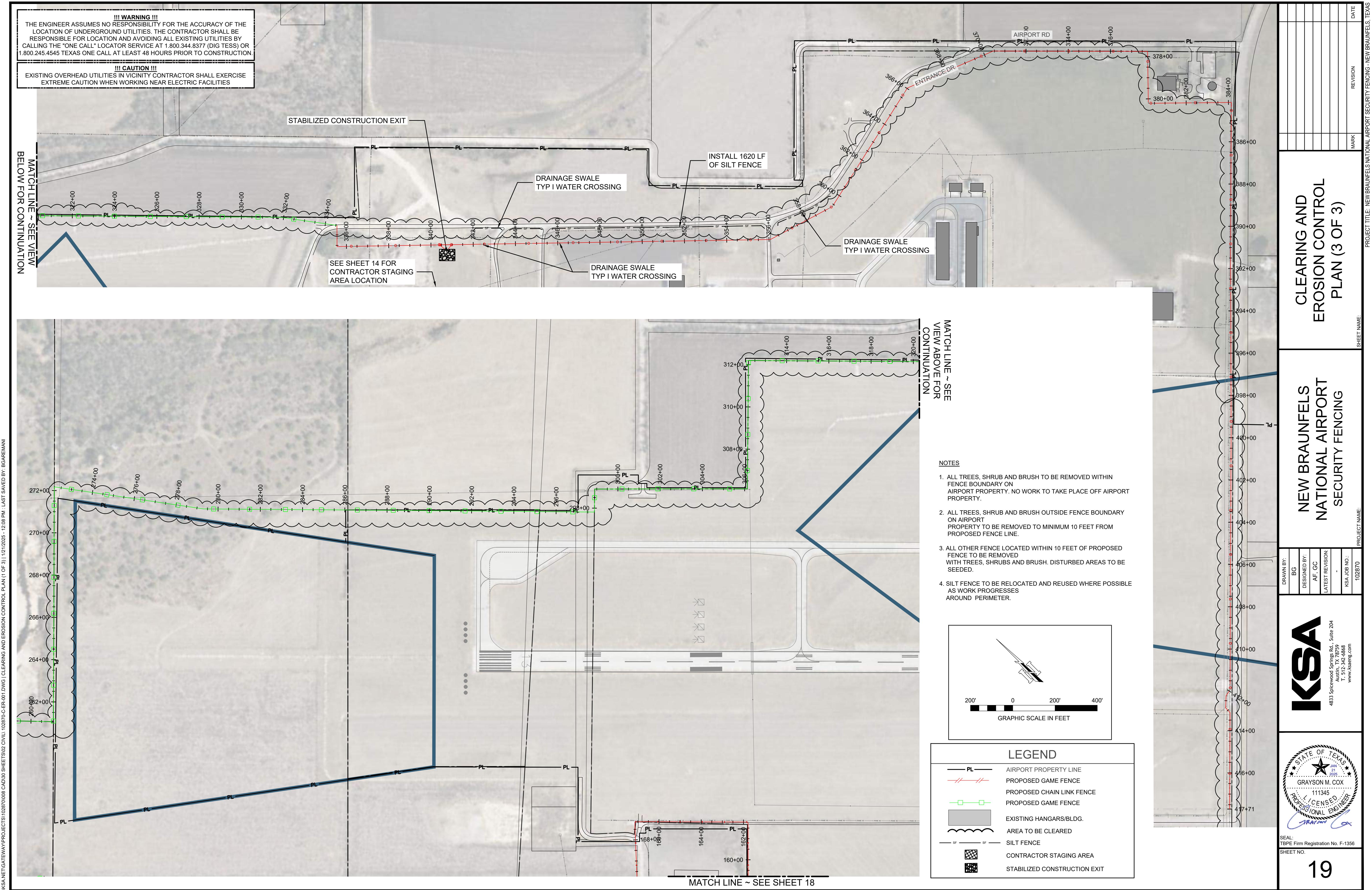
T: 512-341-6868

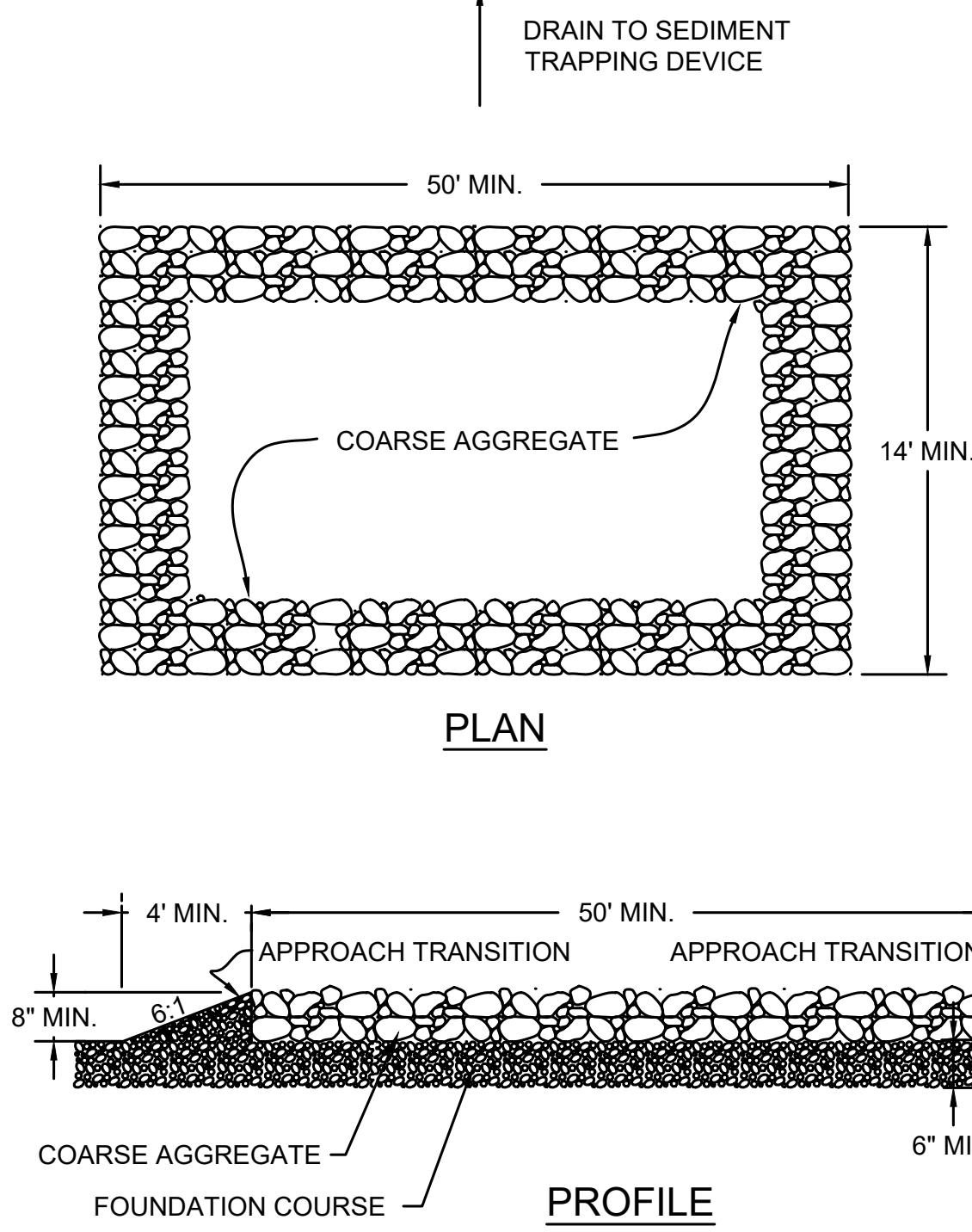
www.ksaeng.com



!!! WARNING !!!  
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!!! CAUTION !!!  
EXISTING OVERHEAD UTILITIES IN VICINITY CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING NEAR ELECTRIC FACILITIES





#### NOTES

1. THE COARSE AGGREGATE SHOULD BE OPEN GRADED WITH A NOMINAL SIZE OF 4" TO 8" AND SHALL BE APPROVED BY THE ENGINEER.
2. THE APPROACH TRANSITIONS SHOULD BE NO STEEPER THAN 6:1 AND CONSTRUCTED AS DIRECTED BY THE ENGINEER.
3. THE FOUNDATION COURSE SHALL BE FLEXIBLE BASE OR OTHER MATERIAL AS APPROVED BY THE ENGINEER.
4. THE CONSTRUCTION EXIT SHALL BE GRADED TO ALLOW DRAINAGE TO A SEDIMENT TRAPPING DEVICE.
5. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE STABILIZED CONSTRUCTION EXIT AND GRADE AREA TO DRAIN.
6. A STABILIZED CONSTRUCTION EXIT SHALL BE INSTALLED AT ALL CONTRACTOR EXITS.

4' MIN. STEEL OR WOOD POSTS SPACED AT 6' TO 8'. SOFTWOOD POSTS SHALL BE 3" MIN. DIA. OR NOMINAL 2" X 4". HARDWOOD POSTS SHALL HAVE A MIN. CROSS SECTION OF 1.5" X 1.5".

FASTEN FABRIC TO TOP STRAND OF WELDED WIRE MESH (W.W.M.) BY HOG RINGS OR CORD AT A MAX. SPACING OF 15"

ATTACH THE W.W.M. AND FABRIC ON END POSTS USING 4 EVENLY SPACED STAPLES FOR WOODEN POSTS (OR 4 T-CLIPS OR SEWN VERTICAL POCKETS FOR STEEL POSTS).

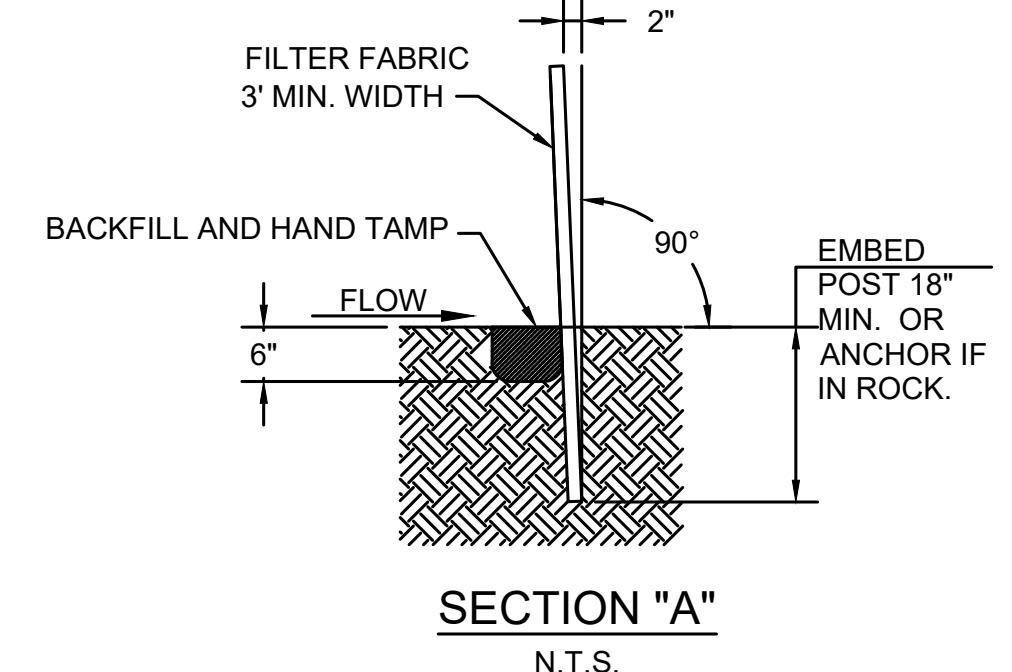
CONNECT THE ENDS OF SUCCESSIVE REINFORCEMENT SHEETS OR ROLLS A MIN. OF 6 TIMES WITH HOG RINGS.

GALV. W.W.M. (12.5 GA. MIN.) MAX. OPENING SIZE SHALL BE 2" X 4".

WOVEN FILTER FABRIC

FLOW

PLACE 4" TO 6" OF FABRIC AGAINST THE TRENCH SIDE AND APPROX. 2" ACROSS TRENCH BOTTOM IN UPSTREAM DIRECTION. MINIMUM TRENCH SIZE SHALL BE 6" SQUARE. BACKFILL AND HAND TAMP.



SECTION "A"  
N.T.S.

#### STABILIZED CONSTRUCTION EXIT

#### TEMPORARY FILTER FABRIC FENCE

N.T.S.

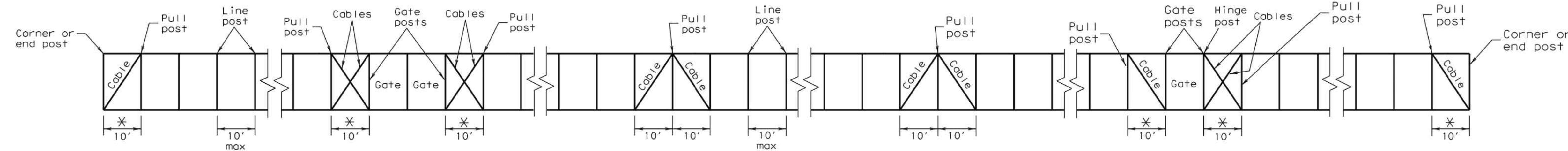
NEW BRAUNFELS  
NATIONAL AIRPORT  
SECURITY FENCING

**KSA**

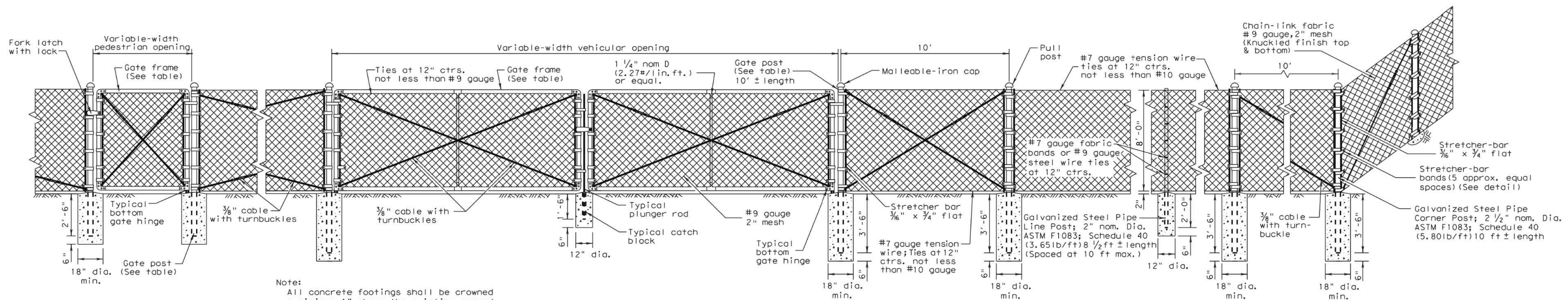
4833 Spicewood Springs Rd, Suite 204  
Austin, TX 78759  
T: 512-341-6868  
www.ksaeng.com



SEAL:  
TBPE Firm Registration No. F-1356  
SHEET NO.

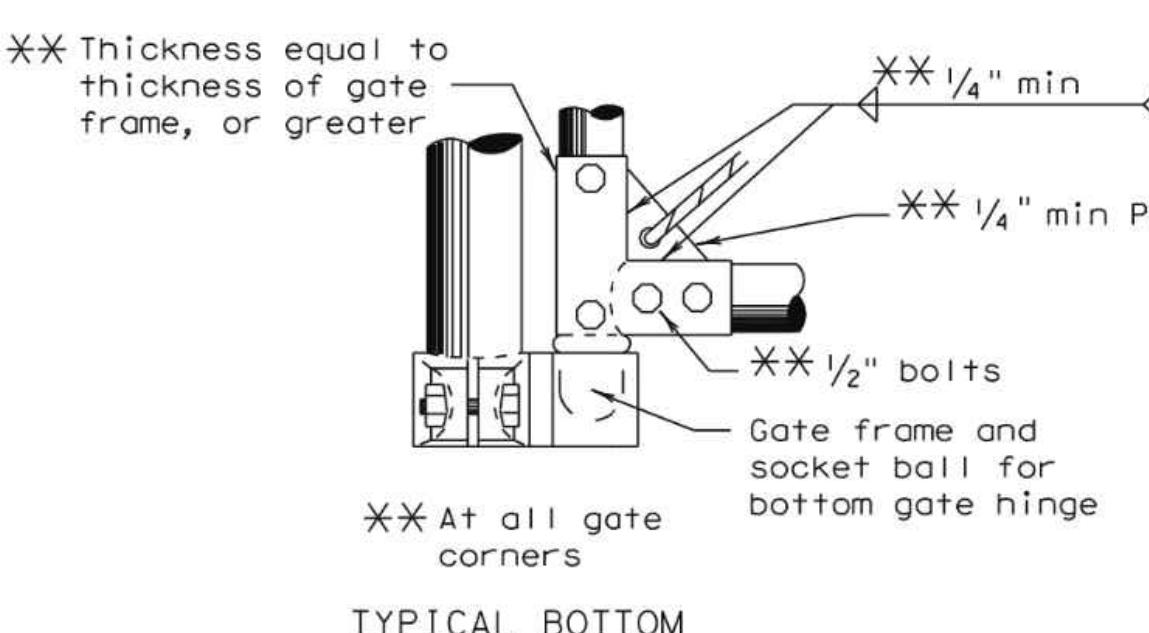


TYPICAL CABLE AND POST ARRANGEMENT



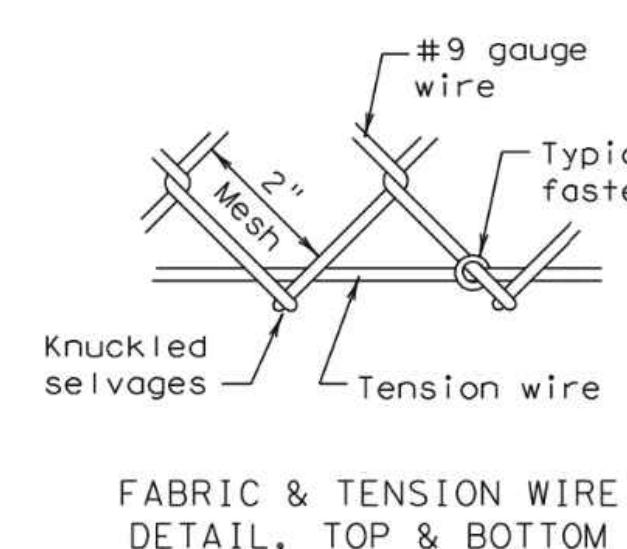
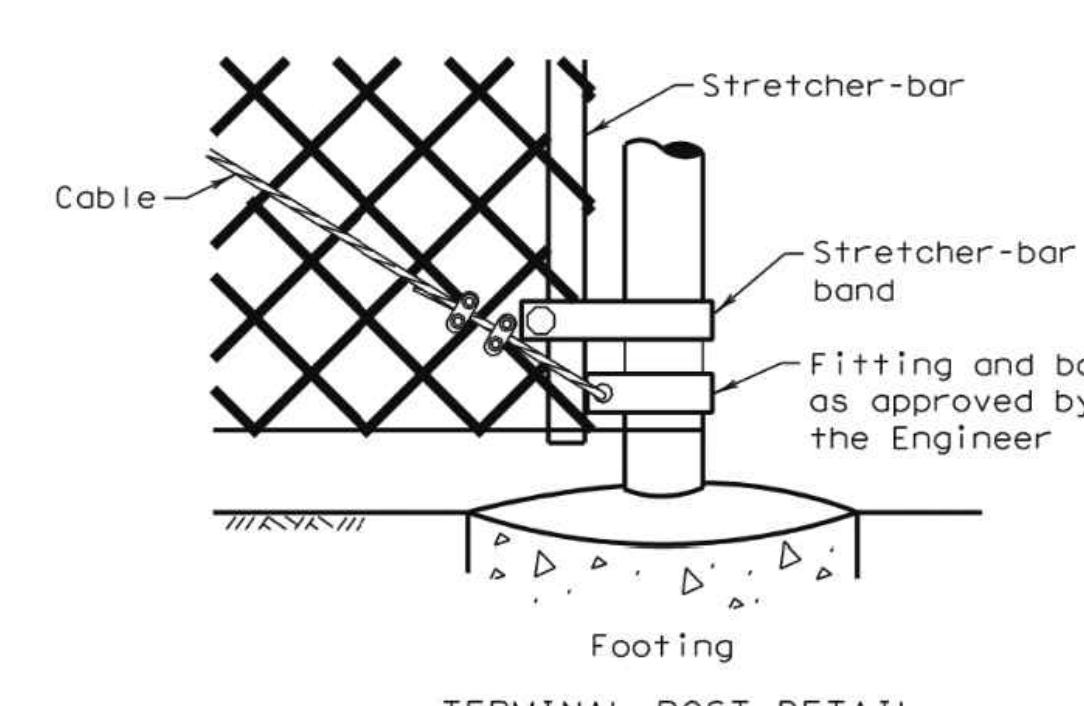
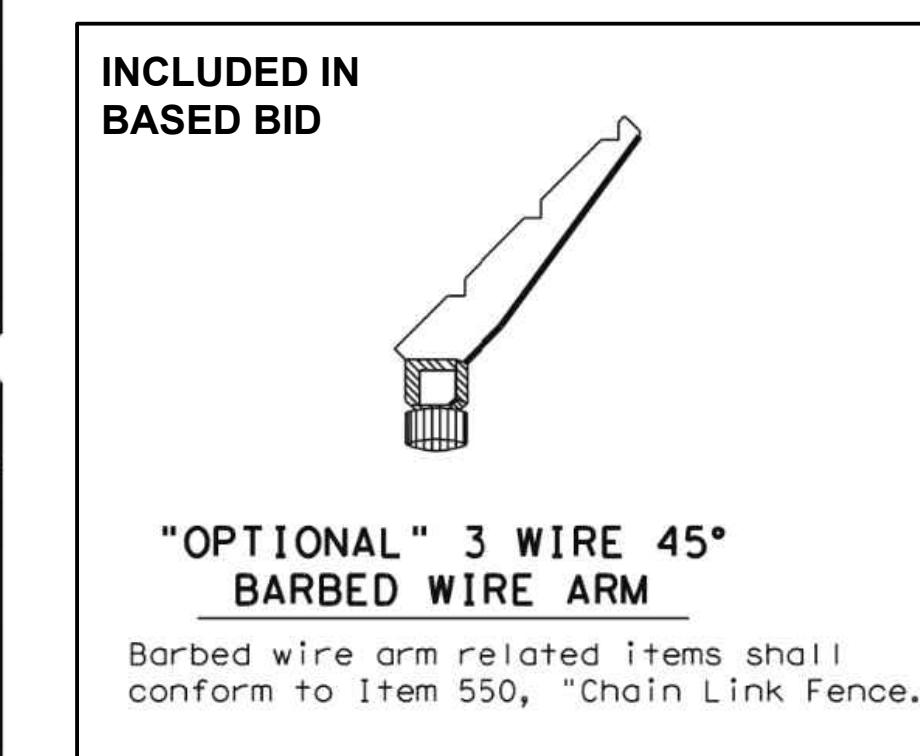
CHAIN-LINK BARRIER FENCE (8 FT.)

Foundation designs shown are "minimums" for a 6 ft. fence. Taller fences may require larger foundation designs.



GATE (TYPES AND SIZES)	
Single Inclusive	Double Inclusive
Up to 6'	Up to 12'
Over 6' to 12'	Over 12' to 26'
Over 12' to 18'	Over 26' to 36'
Over 18'	Over 36'

GATE FRAME (WEIGHT)	GATE POST (WEIGHT)
SIZE WT./LIN. FT.	SIZE WT./LIN. FT.
1 1/2" nom dia. 2.72 Lbs. or equal	2 1/2" nom dia. 5.79 Lbs. or equal
3 1/2" nom dia. 9.11 Lbs. or equal	
6" nom dia. 18.97 Lbs.	
8" nom dia. 24.70 Lbs.	



**GENERAL NOTES**

1. Items hereon shall conform to Item 550, "Chain Link Fence."
2. Typical installation plan may vary as shown elsewhere on the plans or as directed by the Engineer. Location of gates shown elsewhere on plans.
3. Gate-frame members shall be bolted, at frame corners, to joint fittings with four  $1/2"$  bolts per joint.
4. All cable connections are to be made with two  $3/8"$  cable clamps.
5. All pull posts and end posts and their foundations shall have the same respective dimensions as those shown for corner post.
6. All pull post shall be furnished with two stretcher bars.
7. One end of each turnbuckle may be attached directly to fittings with a clevis.
8. Concrete footings are to be crowned at the top to shed water.

 Texas Department of Transportation  
Design Division Standard

## CHAIN LINK FENCE

CLF-10

FILE: CLF10.dgn	DN: TxDOT	CK: AM	DW: BD	CK: VP
© TxDOT 1996	CONT SECT	JOB	HIGHWAY	
REVISIONS				
			DIST	COUNTY
			SHEET NO.	

PROJECT TITLE: NEW BRAUNFELS NATIONAL AIRPORT SECURITY FENCING - NEW BRAUNFELS, TEXAS

DATE: [REDACTED]

MARK: [REDACTED]

REVISION: [REDACTED]

**GAME FENCE DETAILS**

**TYPICAL 8' GAME FENCE INSTALLATION**  
N.T.S.

**NOTES:**

- PRIOR TO FENCE INSTALLATION, THE ENTIRE PERIMETER OF THE AIRPORT PROPERTY SHALL BE CLEARED PER SPECIFICATIONS. THIS INCLUDES REMOVAL AND DISPOSAL OF ANY EXISTING FENCES, WHERE APPLICABLE.
- ALL POSTS SHALL BE CAPPED WITH PRESSED STEEL PIPE CAP.
- BRUSH ALL WELDS AND TREAT WITH COLD-GALV OR ENGINEER APPROVED EQUIVALENT.
- FENCE FABRIC SHALL FOLLOW CONTOUR OF GROUND. BOTTOM WIRE OF FENCE FABRIC SHALL BE NO MORE THAN 1" ABOVE GROUND, EXCEPT AS DIRECTED AT WATER CROSSINGS. TOP BARBED WIRE STRAND SHALL BE 1" ABOVE TOP WIRE OF FENCE FABRIC.
- SPACING FOR LINE AND PULL POSTS SHALL BE REDUCED ALONG CURVES TO ENSURE STABLE FENCE. KICK-BACKS ON LINE AND PULL POSTS CAN BE INSTALLED AS NECESSARY AS APPROVED BY ENGINEER AND OWNER.

**CORNER, TERMINAL, AND GATE POST DETAIL**  
N.T.S.

**NOTES:**

- PULL POSTS AND END POSTS HAVE SIMILAR INSTALLATION.
- SPACE PULL POST @ 1,200' MAXIMUM.
- BRACING SHALL BE WELDED TO POSTS. BUFF WITH WIRE BRUSH AND THEN SPRAY GALVANIZE.

**TYPICAL MANUAL/SWING GATE FOR 8' GAME FENCE DETAIL**  
N.T.S.

**GATE POST DETAIL**  
N.T.S.

**NOTES:**

- GATE SHALL BE 8' TALL, 2" 16 GA. GALVANIZED TUBING.
- GATE LEAVES TO BE SIZED AND MOUNTED SUCH THAT GAPS BETWEEN GATE LEAVES, GATE POSTS, AND GATE AND GROUND IS NOT MORE THAN 2" OR LESS THAN 1".
- CONCRETE SHALL BE Tx421, CLASS C, 4,000 P.S.I. @ 28 DAYS.
- GATE TO SWING DIRECTION TO BE FIELD VERIFIED WITH RPR AND ENGINEER.
- CONTRACTOR TO PROVIDE 2' OF GALVANIZED CHAIN & KNOX PADLOCK PART NO. 3772, OR APPROVED EQUAL, FOR EACH GATE..
- FABRIC FOR GATES SHALL BE WELDED TO FRAME AND MATCH THE ADJACENT CHAIN LINK OR GAME FENCING. THE PRICE PAID PER GATE SHALL BE THE SAME WHETHER FABRIC IS CHAIN LINK OR GAME FENCE..

**WIRE ATTACHMENT TO POSTS AND T-POSTS**  
N.T.S.

**NOTES:**

- ATTACH CLIPS TO TOP AND BOTTOM WIRES AND ALTERNATING INTERNEUTRAL WIRES ON EACH POST AND T-POSTS.
- POSTS CLIPS SHALL BE MANUFACTURE FROM 11 GA. TYPE Z, CLASS 3 GALVANIZED STEEL WIRE AND AS APPROVED BY FENCE FABRIC MANUFACTURER. TIGHTEN POSTS CLIPS USING APPROVED 11 GA. POST CLIP DRILL CHUCK.

**AIRPORT PROPERTY NO TRESPASSING VIOLATORS WILL BE PROSECUTED**  
N.T.S.

**NOTES:**

- THE CONTRACTOR SHALL SPACE THE PROPOSED "AIRPORT PROPERTY NO TRESPASSING" SIGNS APPROXIMATELY 200-FEET APART AS DIRECTED BY THE PROJECT'S ENGINEER OR RPR. THESE SIGNS SHALL BE SECURELY ATTACHED TO THE PROPOSED CHAIN LINK FENCING, AND PROPOSED GAME FENCING INCLUDED WITHIN THIS PROJECT'S SCOPE OF WORK.
- CONTRACTOR TO PROVIDE MANUFACTURER'S CUT SHEET FOR ENGINEER'S APPROVAL PRIOR TO ORDERING MATERIALS.
- SIGN TO BE WHITE WITH BLACK LETTERING.

**NOTES:**

- THE 36' LONG X 6' TALL CONTROLLED ACCESS GATE (24' WIDE OPENING) SHALL BE ALUMINUM.
- THE CONTROLLED ACCESS GATE SHALL MATCH THE HEIGHT OF THE ADJACENT PROPOSED CHAIN LINK FENCING. ADDITIONAL REQUIREMENTS ARE PROVIDED IN THE TECHNICAL SPECIFICATION S-21 CHAIN LINK CANTILEVER SLIDE GATES.
- A PEDESTRIAN GATE (4' WIDE) SHALL BE FABRICATED USING THE SAME MATERIALS AS THE PROPOSED CHAIN LINK FENCING SYSTEM. THE GATE SHALL INCLUDE A FORK LATCH CAPABLE OF BEING OPERATED FROM EITHER SIDE AND ALSO INCLUDE AN INTEGRAL PADLOCK EYE.
- THE CONTROLLED ACCESS SLIDE GATE OPERATOR SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- REFER TO THE CONTROLLED ACCESS SLIDE GATE OPERATOR FOUNDATION DETAIL ON THIS SHEET.
- THE 2' SAFETY MESH SHALL BE PLACED ON THE CONTROL ACCESS GATE AS SHOWN ON SHEET E01. THE SAFETY MESH SHALL BE A MINIMUM HEIGHT OF 48-INCHES AND EXTEND THE ENTIRE LENGTH OF THE 36-FOOT WIDE GATE.
- THE GATE CONTROLLER SHALL BE A HYDRAULIC SLIDE GATE OPERATOR, WITH SMART TOUCH CONTROLLER ENGINEER APPROVED.
- THE GATE CONTROLLER SHALL INCLUDE A TIMER TO AUTOMATICALLY OPEN AT 8:00AM AND CLOSE AT 5:00PM. THE TIMER SHALL BE AN 365 DAY 24 HOUR TIMER APPROVED BY THE ENGINEER.
- THE CONTROLLED ACCESS GATE INCLUDES THE GATE AND ALL RELATED APPURTENANCES INSTALLED AS COMPLETE UNITS, IN PLACE, AND READY FOR SERVICE. THE COSTS OF THESE ITEMS ARE SUBSIDARY TO THAT OF THE CONTROL ACCESS GATE AND INCLUDE BUT ARE NOT LIMITED TO THE GATE, SAFETY MESH, AND WARNING SIGNS.
- THE SLIDE GATE OPERATOR INCLUDES THE OPERATOR AND ALL RELATED APPURTENANCES INSTALLED AS COMPLETE UNITS, IN PLACE, AND READY FOR SERVICE. THE COSTS OF THESE ITEMS ARE SUBSIDARY TO THAT OF THE SLIDE GATE OPERATOR AND INCLUDE BUT ARE NOT LIMITED TO THE OPERATOR, GUIDE RAIL, OBSTRUCTION AND FREE EXIT LOOPS, ACCESS CONTROL DEVICE, AND PEDESTAL, BOX, TIMER, CONCRETE FOUNDATION, AND ALL ELECTRICAL RELATED FACILITIES.
- SEE ELECTRICAL DETAILS ON SHEET E01 AND E02.

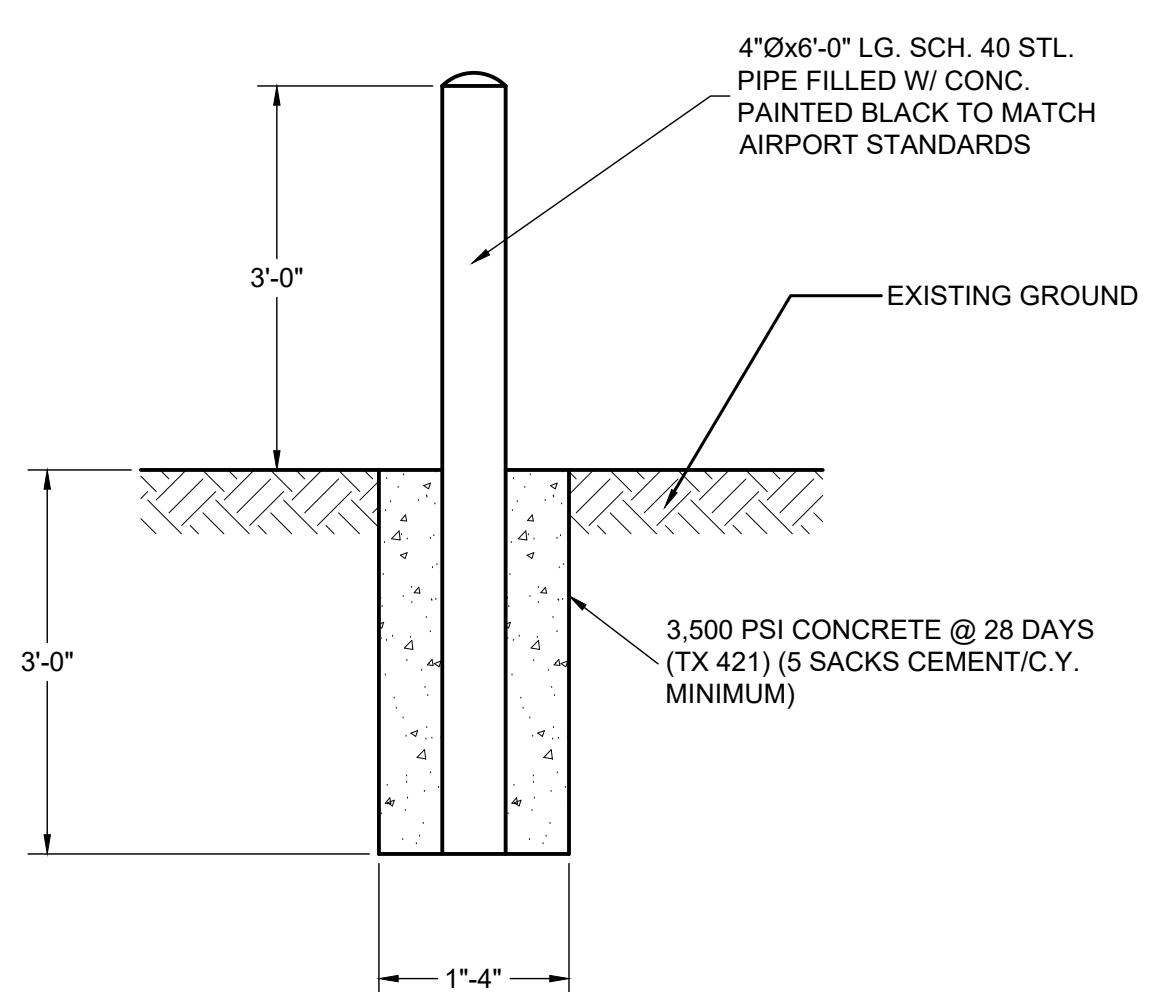
**NOTES:**

1. KSA ENGINEERS, INC. 4833 Pinewood Springs Rd., Suite 204 Austin, TX 78759 T: 512-349-8686 www.ksaeng.com

2. STATE OF TEXAS GRAYSON M. COX 111345 LICENSED PROFESSIONAL ENGINEER GRAYSON COX

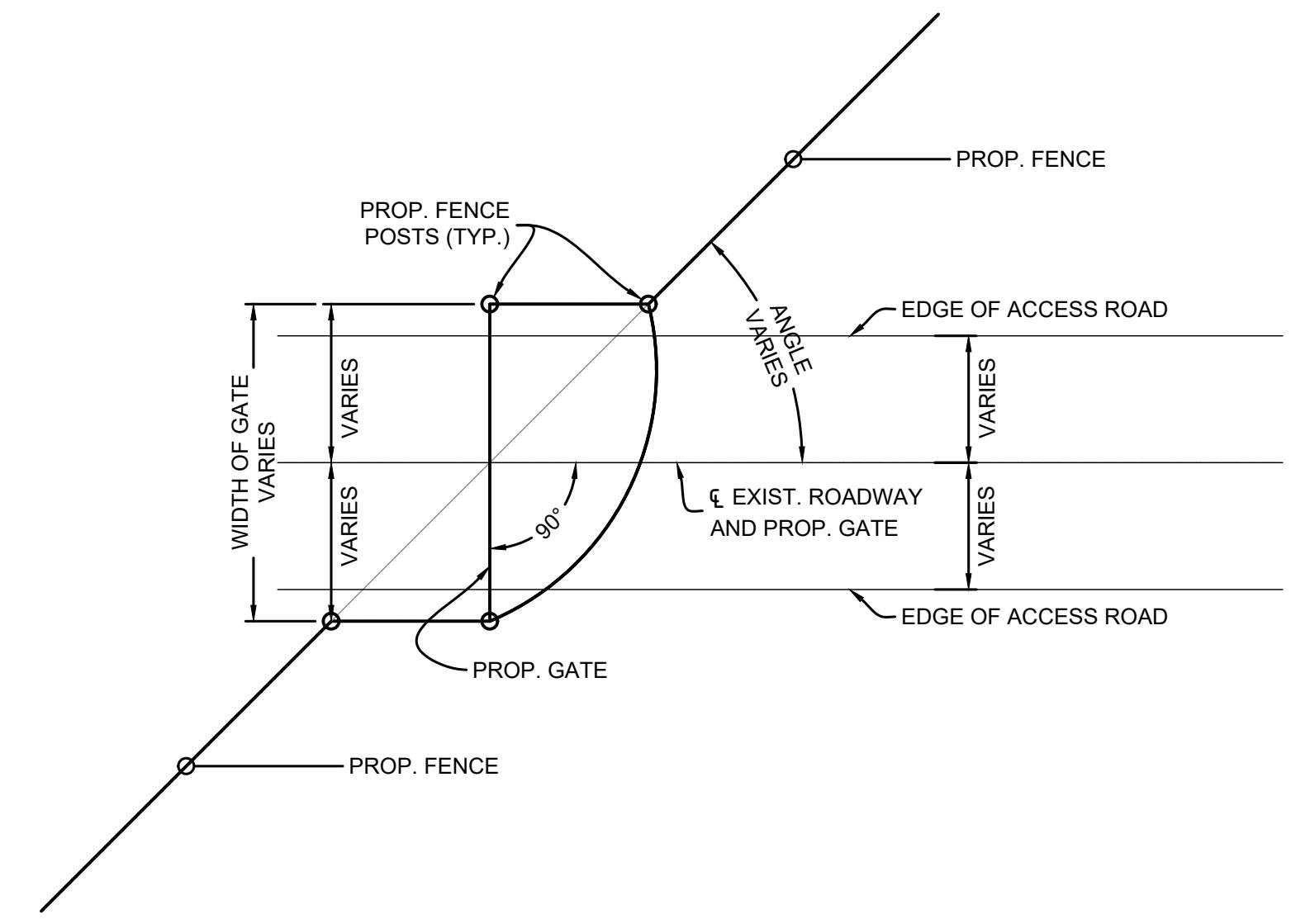
3. TBPE Firm Registration No. F-1356 SHEET NO.

**22**



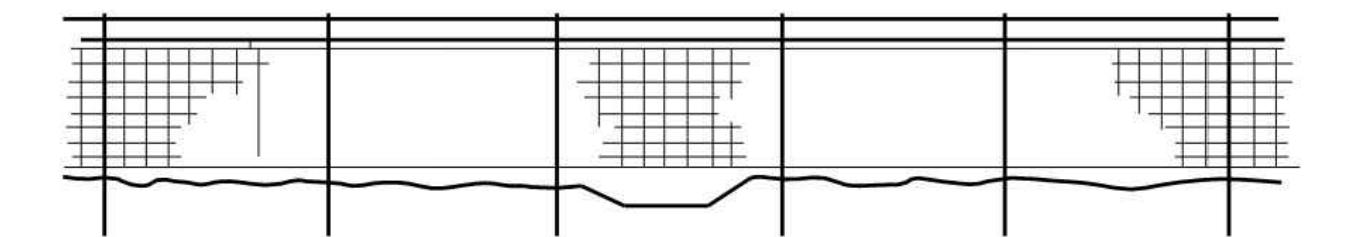
**TYPICAL BOLLARD DETAIL**

N.T.S.

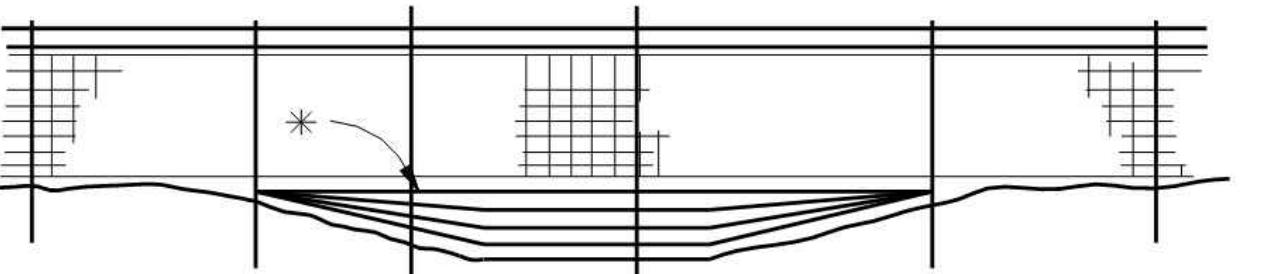


**GATE ALIGNMENT DETAIL**

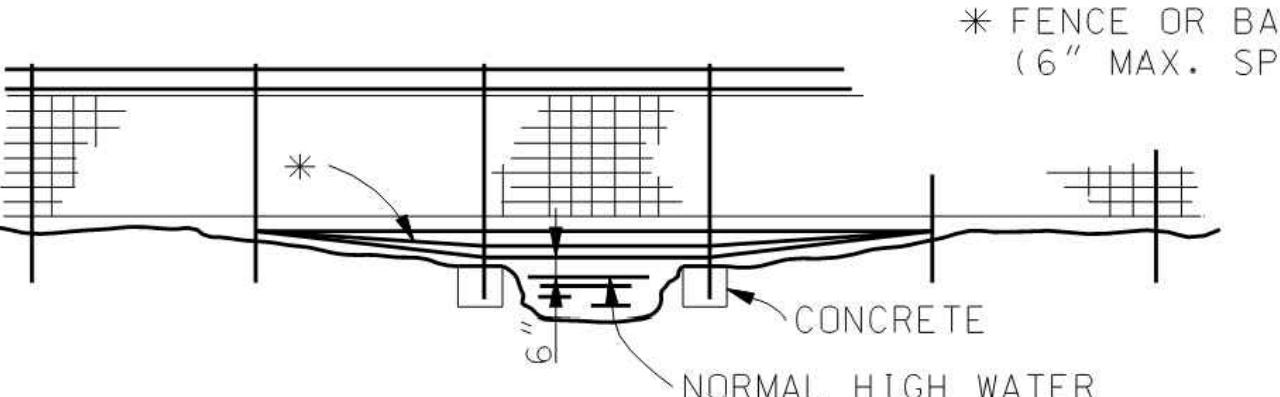
N.T.S.



ROADWAY DITCHES OR SMALL SHALLOW CHANNELS  
(SPAN WITH NORMAL LINE POST SPACING)



POORLY DEFINED CHANNELS (SMALL DRAINAGE AREAS)



WELL DEFINED CHANNELS (LARGE DRAINAGE AREAS)

**TYPICAL FENCING AT  
CHANNEL CROSSING**

N.T.S.

**MISCELLANEOUS  
DETAILS**

**NEW BRAUNFELS  
NATIONAL AIRPORT  
SECURITY FENCING**

PROJECT NAME:  
102870

PROJECT NUMBER:  
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11/21/2025

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11/21/2025