Boi Addison Airport - Airport Boundary Survey AIRPORT

TRANSMITTAL

To:	**Mr. Steve Chutchian**	**From: Scott Hardin**	
Company:	Town of Addison 16801 Westgrove Addison, Texas 75248	Dal-Tech Engineering, Inc. 17311 Dallas Parkway Suite 200 Dallas, Texas 75248	
Subject:	Addison Airport Survey DTE Job 0107	(972) 250-2727 (972) 250-4774 Fax	
Date:	July 31, 2001		

ITEMS SENT:

_____ ELECTRONIC FILES __√__ OTHER

_____ BLUELINES _____ SEPIAS _____ CORRESPONDENCE

_____ RENDERINGS _____ XEROX _____ SPECIFICATIONS

Copies	Item	Description
10	1	Monument Sketches

TRANSMITTED AS FOLLOWS:

_____ FOR YOUR USE _____ FOR APPROVAL _____ RESUBMITTED

_____ TO BE RETURNED _____ FOR COMMENT __√__ OTHER

MESSAGE:

SIGNED: _____
Scott Hardin

Dalserv/debra/0107/Transmittals/chutchian 7.31.01

STATIC CONTROL POINT

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7037202.352**	**7038090.390**	**0.99987382**
East:	**2480632.193**	**2480945.229**	**Elevation Scale Factor**
Elevation:	**638.03**	**638.05**	**0.99997368**

DAL-TECH ENGINEERING **972-250-2727**
17311 DALLAS PARKWAY, DALLAS TX. 75248

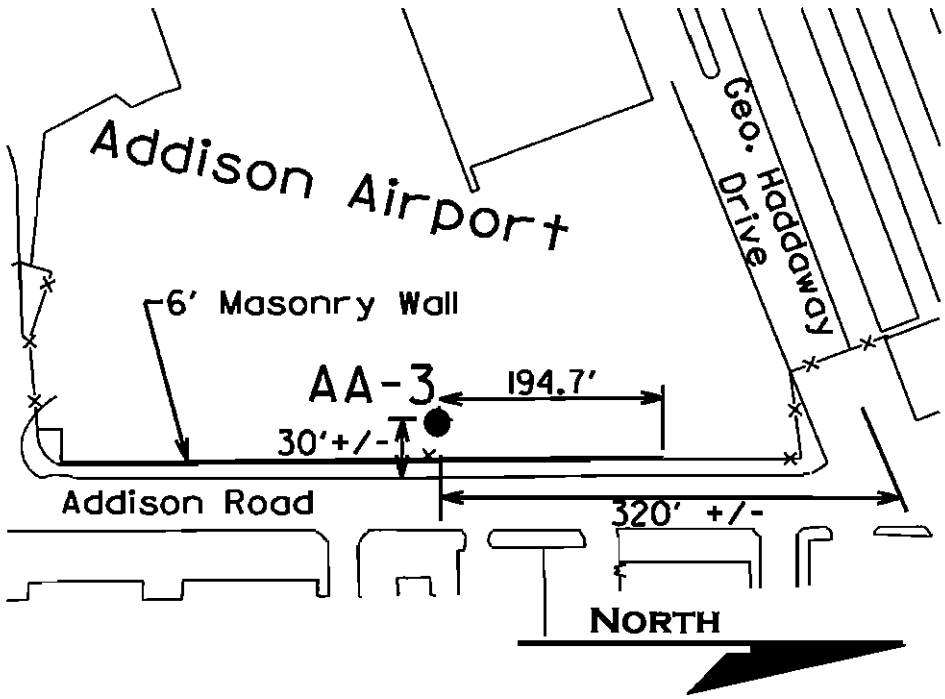
POINT NAME: AA - 3

DESCRIPTION:

3" Aluminum Disk set in concrete, inscribed with "AA-3"

LOCATION:

Located on the east side of Addison Airport, 300' +/- south of George Haddaway Drive, 30' +/- west of the west curbline of Addison Road, 194.7' south of the north end of a 6' high masonry wall, and 13.9' from and perpendicular to said wall.



STATIC CONTROL POINT

Observers:	Mark Yale P. Scott Hardin J. L. Lyle	Texas State Plane Coordinates Zone: North Central (4202) Geoid: Conus	
	Grid	Surface	Grid Scale Factor
North:	7043848.691	7044740.705	0.99987336
East:	2477497.499	2477811.242	Elevation Scale Factor
Elevation:	652.26	652.28	0.99997300

DAL-TECH ENGINEERING 972-250-2727
17311 DALLAS PARKWAY, DALLAS TX. 75248

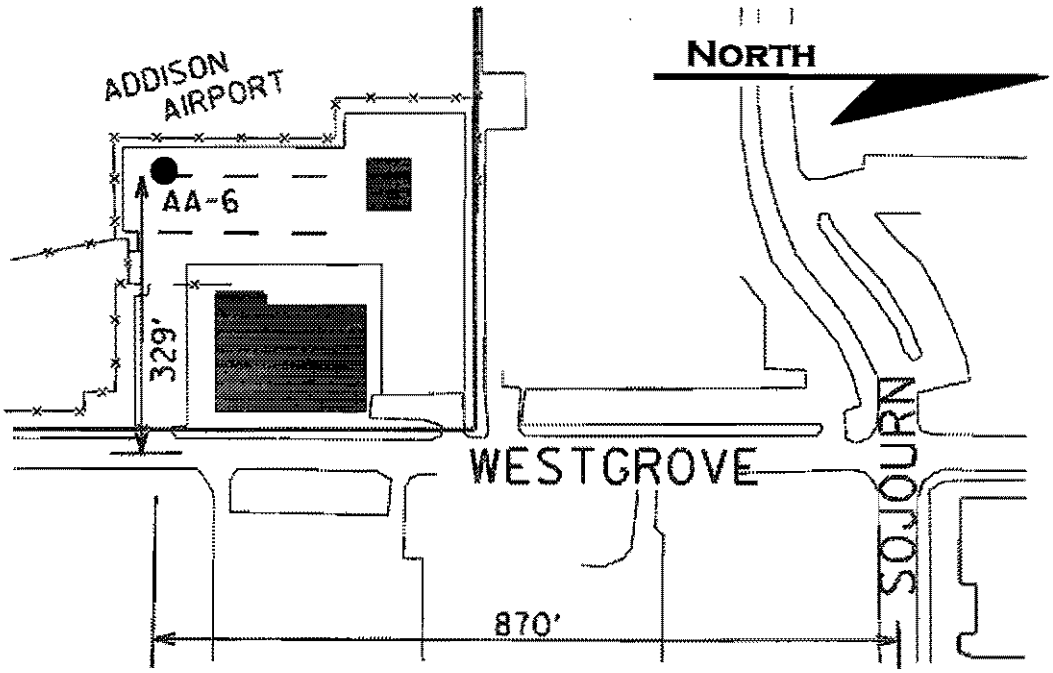
POINT NAME: AA-6

DESCRIPTION:

3" Aluminum Disk set in concrete, inscribed with "AA-6"

LOCATION:

Located in the Town of Addison Service Center Compound, 870' South of the centerline of Sojourn Drive where it intersects the centerline of Westgrove Drive, 329' West of the centerline of Westgrove Drive. Monument set at the south radius point of a 3-foot wide traffic island, 4" below top-of-curb.



STATIC CONTROL POINT

Observers:	Mark Yale P. Scott Hardin J. L. Lyle	Texas State Plane Coordinates Zone: North Central (4202) Geoid: Conus	
	Grid	Surface	Grid Scale Factor
North:	7043042.492	7043934.064	0.99987343
East:	2477532.021	2477845.649	Elevation Scale Factor
Elevation:	637.40	637.42	0.99997371

DAL-TECH ENGINEERING 972-250-2727
17311 DALLAS PARKWAY, DALLAS TX. 75248

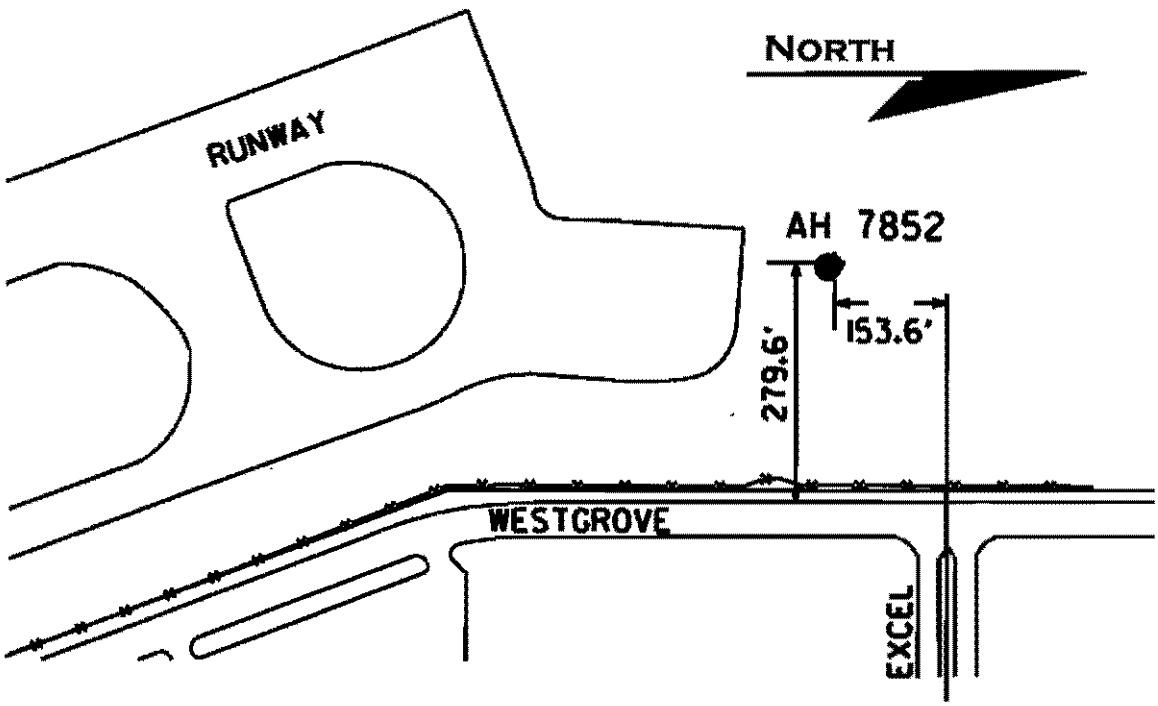
POINT NAME: AH 7852

DESCRIPTION:

Standard USGS Disk set in concrete, inscribed with "AH 7852"

LOCATION:

Located in the Addison Airport, 153.6' south of the Excel Blvd. centerline (extended), 279.6' west of the west curbline of Westgrove Drive.



STATIC CONTROL POINT

Observers:	Mark Yale P. Scott Hardin J. L. Lyle	Texas State Plane Coordinates Zone: North Central (4202) Geoid: Conus	
	Grid	Surface	Grid Scale Factor
North:	7040772.156	7041662.424	0.99987357
East:	2478253.153	2478566.515	Elevation Scale Factor
Elevation:	633.02	633.04	0.99997392

DAL-TECH ENGINEERING 972-250-2727
17311 DALLAS PARKWAY, DALLAS TX. 75248

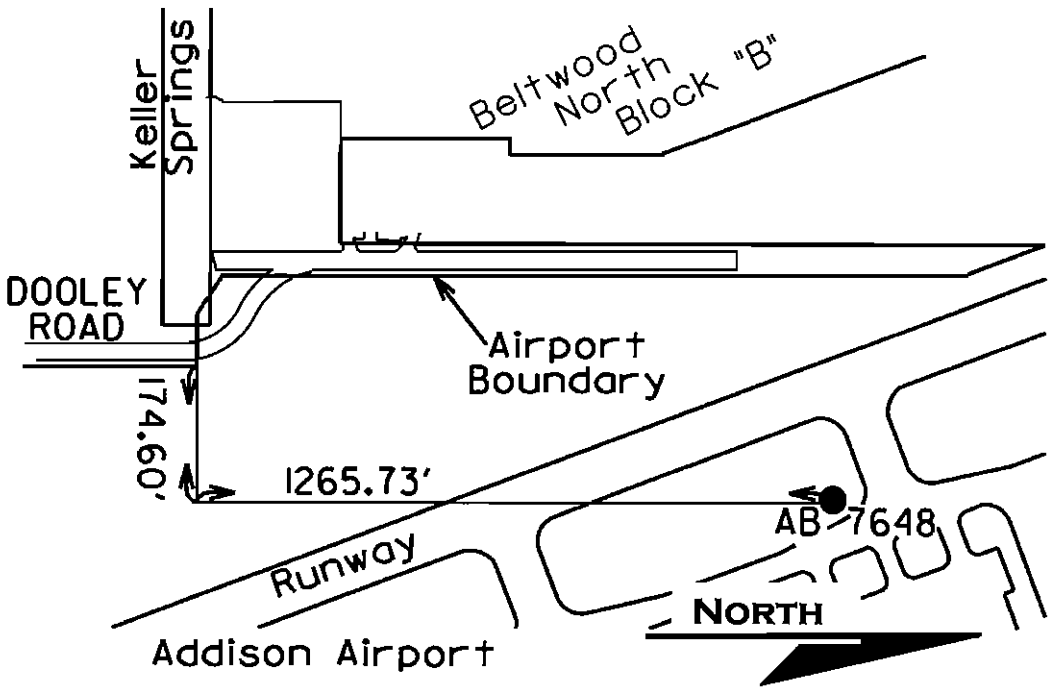
POINT NAME: AB 7648

DESCRIPTION:

Standard USGS Disk set in concrete, inscribed with "AB 7648"

LOCATION:

Located in the Addison Airport, east of the runway, 174.60' east of and 1265.73' north of the intersection of the north ROW line of Keller Springs Drive and the east ROW line of Dooley Road.



STATIC CONTROL POINT

Observers:	Mark Yale P. Scott Hardin J. L. Lyle	Texas State Plane Coordinates Zone: North Central (4202) Geoid: Conus	
	Grid	Surface	Grid Scale Factor
North:	7039506.863	7040396.371	0.99987366
East:	2478102.163	2478415.295	Elevation Scale Factor
Elevation:	637.40	637.42	0.99997371

DAL-TECH ENGINEERING 972-250-2727
17311 DALLAS PARKWAY, DALLAS TX. 75248

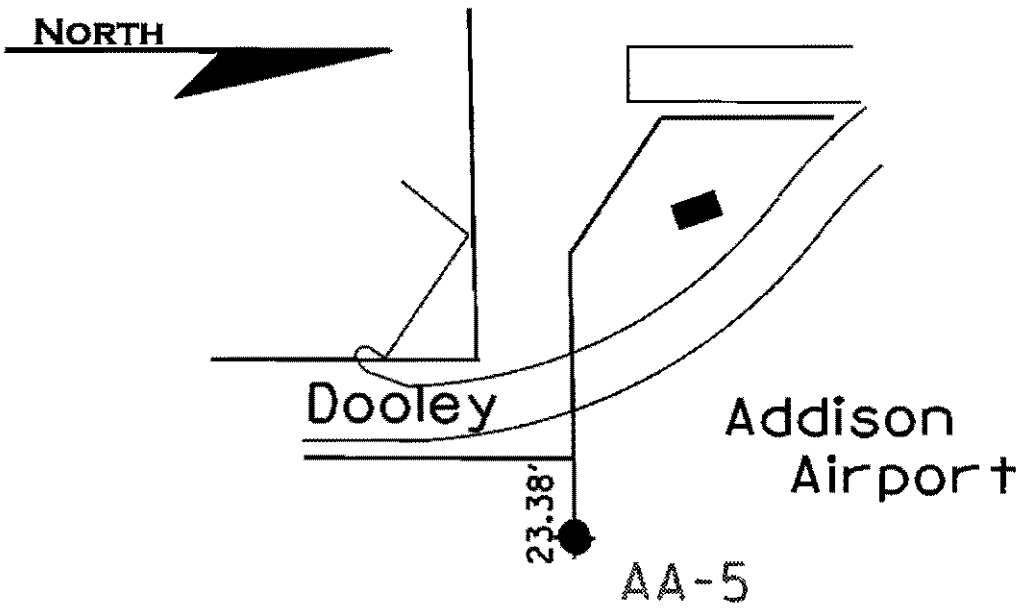
POINT NAME: AA-5

DESCRIPTION:

3" Aluminum Disk set in concrete, inscribed with "AA-5"

LOCATION:

Located in the Addison Airport, on the north old ROW line of Keller Springs Drive (50' ROW), 23.38' east of the east ROW line of Dooley Road (60' ROW).



STATIC CONTROL POINT

Observers:	Mark Yale P. Scott Hardin J. L. Lyle	Texas State Plane Coordinates Zone: North Central (4202) Geoid: Conus	
	Grid	Surface	Grid Scale Factor
North:	7039305.132	7040194.513	0.99987367
East:	2478531.657	2478844.807	Elevation Scale Factor
Elevation:	640.77	640.79	0.99997355

DAL-TECH ENGINEERING 972-250-2727
17311 DALLAS PARKWAY, DALLAS TX. 75248

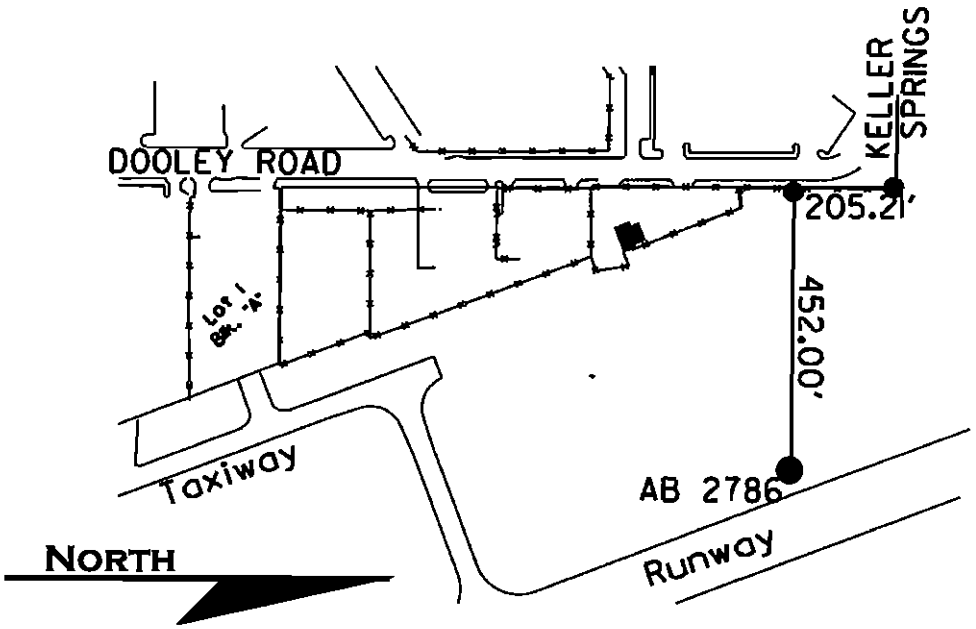
POINT NAME: AB 2786

DESCRIPTION:

Standard USGS Disk set in concrete, inscribed with "AB 2786"

LOCATION:

Located in the Addison Airport, west of the runway, 452' east of and 205.21' south of the intersection of the north ROW line of Keller Springs Drive (50' ROW) and the east ROW line of Dooley Road (60' ROW).



STATIC CONTROL POINT

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7038354.547**	**7039243.335**	**0.99987374**
East:	**2478875.833**	**2479188.860**	**Elevation Scale Factor**
Elevation:	**642.02**	**642.04**	**0.99997349**

DAL-TECH ENGINEERING **972-250-2727**
17311 DALLAS PARKWAY, DALLAS TX. 75248

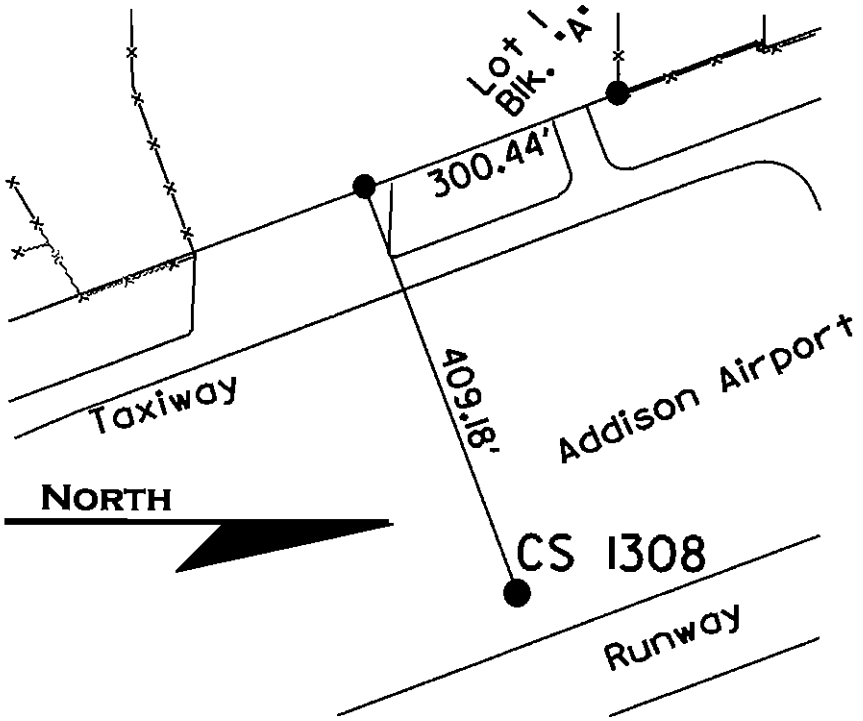
POINT NAME: CS 1308

DESCRIPTION:

Standard USGS Disk set in concrete, inscribed with "CS 1308"

LOCATION:

Located in the Addison Airport, 409.18' northeast of and perpendicular to the west Addison Airport boundary, and 300.44' southeast from the corner of Lot 1, Block "A" of the Addison Airport Industrial Addition.



STATIC CONTROL POINT

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7035957.986**	**7036845.215**	**0.99987392**
East:	**2479444.822**	**2479757.478**	**Elevation Scale Factor**
Elevation:	**632.41**	**632.43**	**0.99997395**

DAL-TECH ENGINEERING **972-250-2727**
17311 DALLAS PARKWAY, DALLAS TX. 75248

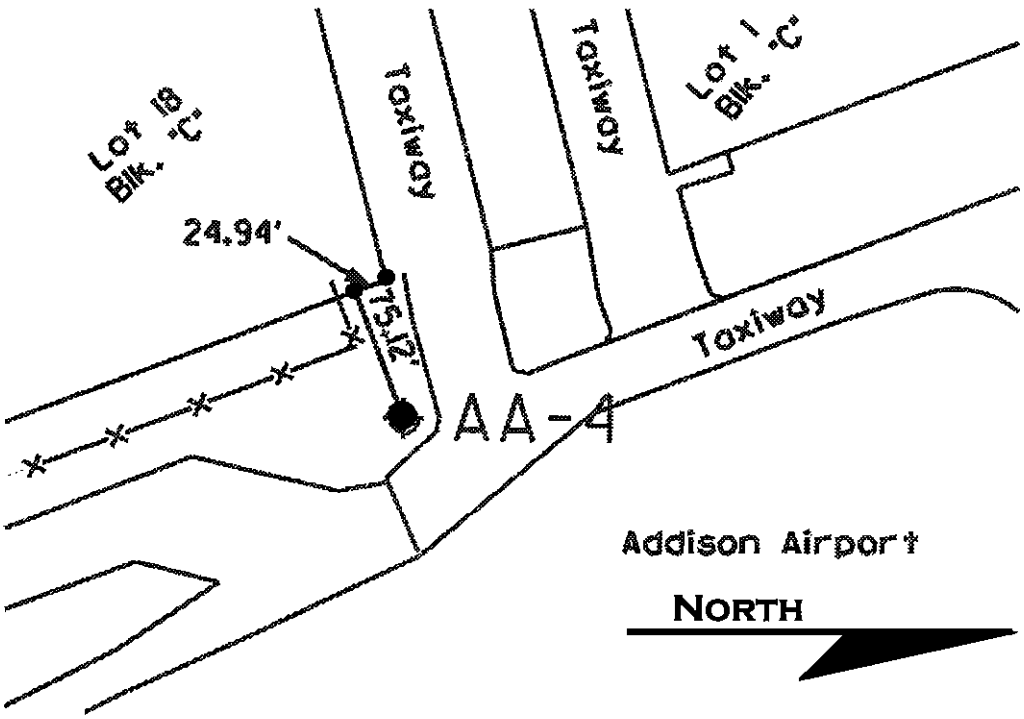
POINT NAME: AA - 4

DESCRIPTION:

3" Aluminum Disk set in concrete, inscribed with "AA-4"

LOCATION:

Located on the west side of Addison Airport, 24.94' southeast of, and 75.12' northeast of the northeast corner of Lot 18, Block "C", Addison Airport Industrial Addition.



STATIC CONTROL POINT

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7041501.126**	**7042391.806**	**0.99987353**
East:	**2480144.730**	**2480458.444**	**Elevation Scale Factor**
Elevation:	**641.92**	**641.04**	**0.99997349**

DAL-TECH ENGINEERING **972-250-2727**
17311 DALLAS PARKWAY, DALLAS TX. 75248

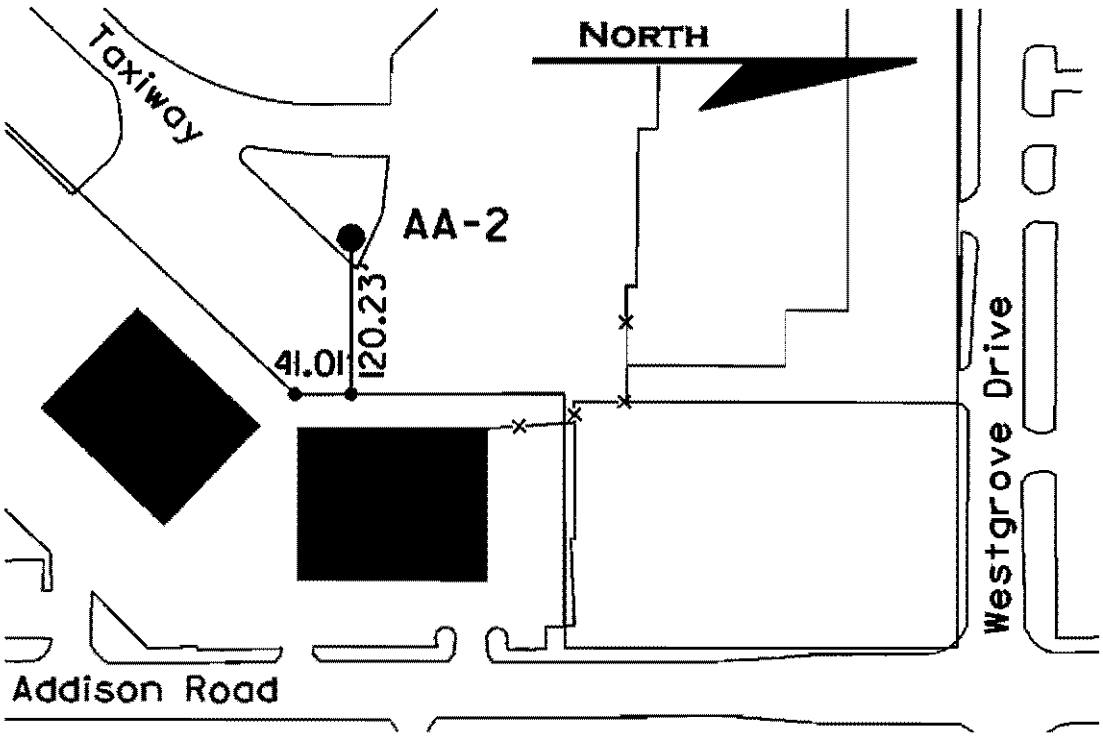
POINT NAME: AA - 2

DESCRIPTION:

3" Aluminum Disk set in concrete, inscribed with "AA-2"

LOCATION:

Located on the east side of Addison Airport, 41.01' north of and 120.23' west of the southwest corner of the Texas Federal Subdivision No. 2.



STATIC CONTROL POINT

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7039689.078**	**7040578.681**	**0.99987365**
East:	**2480245.682**	**2480559.110**	**Elevation Scale Factor**
Elevation:	**638.30**	**638.31**	**0.99997366**

DAL-TECH ENGINEERING **972-250-2727**
17311 DALLAS PARKWAY, DALLAS TX. 75248

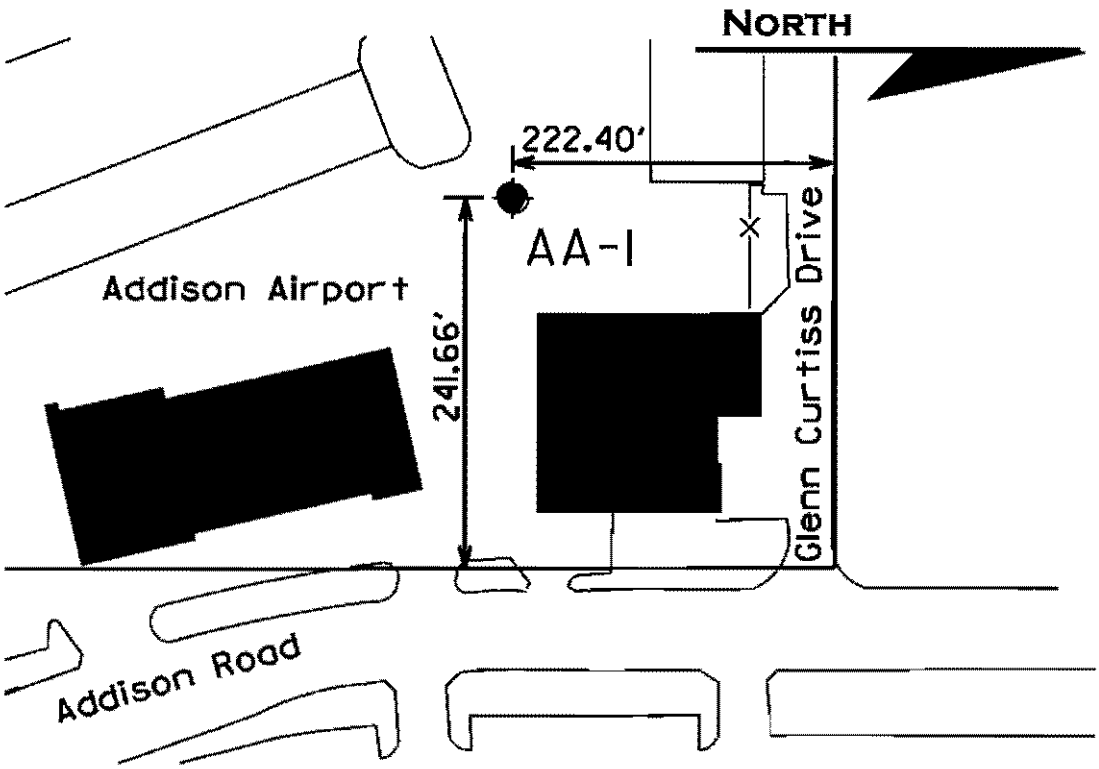
POINT NAME: AA - 1

DESCRIPTION:

3" Aluminum Disk set in concrete, inscribed with "AA-1"

LOCATION:

Located on the east side of Addison Airport, 222.40' south of the north ROW line of Glenn Curtiss Drive (an undedicated 45' ROW) and 241.66' west of the west ROW line of Addison Road.

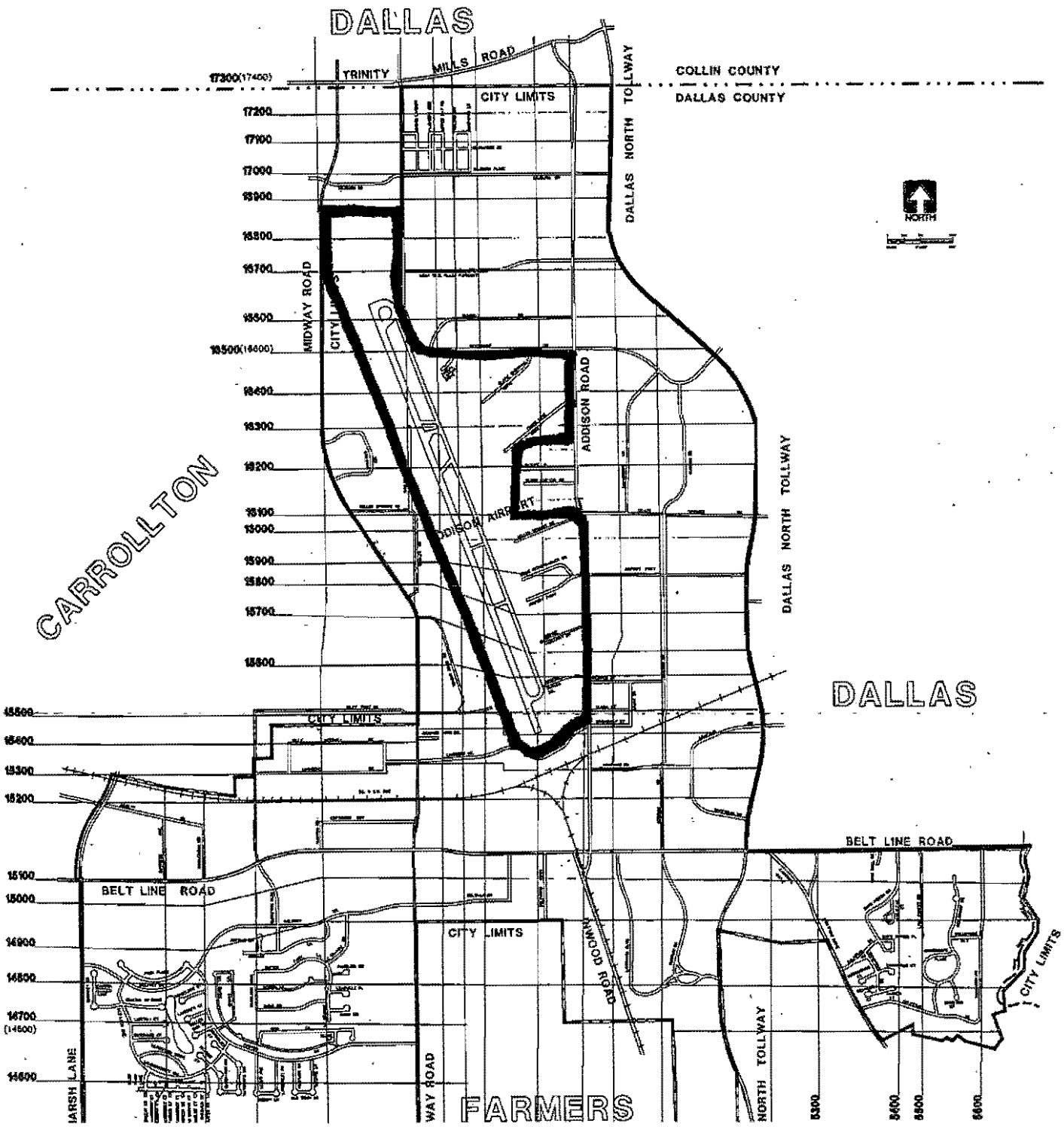


Passed
6-24-03

#R7-1

FINAL PLAT/Addison Airport

Requesting final plat approval for one lot of 373.7 acres, located east of Midway Road, south of Sojourn Drive, west and south of Westgrove Road, and west of Addison Road, on application from the Town of Addison, represented by Mr. Mark Acevedo.



#R7-2

TOWN OF ADDISON
Post Office Box 9010 Addison, Texas 75001-9010 5300 Belt Line Road
(972) 450-7000
FAX (972) 450-7043

June 10, 2003

STAFF REPORT

RE:	FINAL PLAT/Addison Airport
LOCATION:	One lot of 373.7 acres, located east of Midway Road, south of Sojourn Drive, west and south of Westgrove Road, and west of Addison Road
REQUEST:	Approval of a final plat
APPLICANT:	Town of Addison, represented by Mr. Mark Acevedo

DISCUSSION:

Background. Until 2000, the city did not have an accurate survey of the airport property. When the city entered into a new management contract, the city and new manager agreed that the airport property should be surveyed and a metes and bounds description prepared. In addition, every ground lease on the airport was surveyed and a metes and bounds description written for it. Dal-Tech Engineering was hired to perform the survey work. One of the recommendations made during the survey work was that the airport be platted. Dal-Tech Engineering was then hired to prepare the final plat.

Proposed Plat. The Public Works staff worked closely with Dal-Tech during the surveying process, and has no additional comments on the plat.

The staff noticed that the document indicated Ron Whitehead would sign on behalf of the Town as the owner. Typically the Mayor signs as the owner of property. Staff recommends that "Mayor Scott Wheeler" replace Ron Whitehead's name as the owner.

Respectfully submitted,

Carmen Moran
Town of Addison

COMMISSION FINDINGS:

The Addison Planning and Zoning Commission, meeting in regular session on June 19, 2003, voted to recommend approval of the final plat for Addison Airport subject to the following condition:

-Mayor Scott Wheeler's name shall replace Ron Whitehead's name as the owner.

Voting Aye: Bernstein, Braun, Doepfner, Herrick, Jandura
Voting Nay: None
Absent: Benjet, Bradbury

To: Carmen Moran
Subject: Comments for June 19, 2003 Planning & Zoning Commission

Please accept comments for the following items listed on the June 19, 2003 Planning & Zoning Commission agenda:

FINAL PLAT/Addison Airport

In January 2002, a Boundary Survey was prepared for the Addison Airport. The same components of the Boundary Survey were utilized in preparation of the Final Plant, including metes & bounds, etc. As a result, there are no additional comments.

FINAL PLAT/Aircorp Addition, Lot 1, Block A

- Bearing of N 00 degrees 07' 32" E, along the east right-of-way line of Dooley Rd., and bearing of S20 degrees 44' 54" E, at the southeast corner of the property, do not correspond respectively with plat, dated 6/9/98.
- Prior to any development or redevelopment of the site, the developer must submit plans to the FAA for review and subsequent approval, in order to determine compliance with the Town's height hazard zoning.
- Access to the Airport requires clarification of Aviation use. An access agreement between the Town, AATI, FAA and Texas Department of Transportation (Aviation Division) is necessary.
- This property is located within the 70 to 75 idn noise contours. In accordance with the adopted airport master plan, an avigation easement is required as a component of this plat.
- Prior to development of the site, engineering plans and specifications must be prepared and approved by the Town of Addison, and include the following:
    1. Existing and proposed utility mains and service connections.
    2. A five-foot wide sidewalk along Dooley Rd.
    3. Stormwater Detention as part of the overall grading and drainage plan.
    4. Proposed drive approach(s), fire protection, and other appurtances deemed necessary by the Town of Addison.

Steven Z. Chutchian, P.E.
Assistant City Engineer

AGREEMENT FOR PROFESSIONAL SERVICES
Between DAL-TECH Engineering, Inc. and Town of Addison

THIS AGREEMENT, entered into at **Addison, Dallas County, Texas**, on the **17th** day of **April**, **2001**, by and between **Town of Addison**, hereinafter called "CLIENT," and **DAL-TECH Engineering, Inc.**, a Dallas corporation, hereinafter called "DAL-TECH," is as follows:

The CLIENT engages DAL-TECH to perform professional services for a project described as **Survey and Utility Mapping Services for Addison airport, hereinafter called the "Project."**

The CLIENT and DAL-TECH, for mutual consideration hereinafter set forth, agree as follows:

A. DAL-TECH agrees to provide and perform certain professional services for CLIENT upon the Project as follows: **See Attached Exhibit "A" (Scope of Services).**

B. CLIENT agrees to pay DAL-TECH as compensation for its services as follows: **Lump Sum fee $251,864.00 for listed services on attached Exhibit "B" to be paid monthly as the work progresses.**

C. Period in which services are to be rendered: **Eight (8) Months**

1. **AUTHORIZATION FOR WORK TO PROCEED**
Signing of this AGREEMENT for services shall be authorization by the CLIENT for DAL-TECH to proceed with the work, unless stated otherwise in the WORK AUTHORIZATION/AGREEMENT.

2. **STANDARD OF PRACTICE**
Services performed by DAL-TECH under this AGREEMENT will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation, expressed or implied, and no warranty or guarantee is included or intended in this AGREEMENT, or in any report, opinion, document or otherwise.

3. **BILLING AND PAYMENT**
The CLIENT, recognizing that timely payment is a material part of the consideration of this AGREEMENT, shall pay DAL-TECH for services performed in accordance with the rates and charges set forth herein. Invoices will be submitted by DAL-TECH on a monthly basis and shall be due and payable within thirty (30) calendar days of invoice date. If the CLIENT objects to all or any portion of an invoice, the CLIENT shall so notify DAL-TECH in writing within ten (10) calendar days of receipt of the bill in question, and pay when due that portion of the invoice, not in dispute.

4. **LIMITATION OF LIABILITY**
In order for the CLIENT to obtain the benefits of a fee which includes a lesser allowance for risk funding, the CLIENT agrees to limit DAL-TECH's liability arising from DAL-TECH's professional acts, errors or omissions, such that the total aggregate liability of DAL-TECH shall not exceed DAL-TECH's total fee for the services rendered on this project.

5. **CONSEQUENTIAL DAMAGES**
The CLIENT shall not be liable to DAL-TECH and DAL-TECH shall not be liable to the CLIENT for any consequential damages incurred by either due to the fault of the other, regardless of the nature of this fault, or whether it was committed by the CLIENT or DAL-TECH, their employees, agents or subcontractors. Consequential damaged include, but are not limited to loss of use and loss of profit.

6. **TERMINATION**
In the event termination becomes necessary, the party (CLIENT or DAL-TECH) effecting termination shall so notify the other party and termination shall so notify the other party and termination will become effective fourteen (14) calendar days after receipt of the termination notice. Irrespective of which party shall effect termination or the cause of termination, the CLIENT shall within thirty (30) calendar days of termination remunerate DAL-TECH for services rendered and costs incurred up to the effective time of termination, in accordance with DAL-TECH's prevailing fee schedule and expense reimbursement policy.

7. **ADDITIONAL SERVICES**
Any services beyond those specified will be provided for separately under an additional Work Authorization or amended Work Authorization.

IF ANY ONE OR MORE OF THE PROVISIONS CONTAINDED IN THIS AGREEMENT SHALL BE HELD UNENFORCEABLE, THE ENFORCEABILITY OF THE REMAINING PROVISIONS SHALL NOT BE IMPAIRED.

IN WITNESS WHEREOF, the parties hereto have accepted, made and executed this agreement upon the terms, conditions, and provisions above stated, and on the reverse side hereof, the day and year first above written.

DAL-TECH Engineering, Inc. Officer

Signature: _____

By: Sedi Toumani

Title: PRESIDENT

~~Town of Addison~~, Client

Signature: _____

By: RON WHITEHEAD

Title: CITY MANAGER

Exhibit A

ADDISON AIRPORT BOUNDARY SURVEY AND BASE MAPPING SCOPE OF WORK

DAL-TECH Engineering, Inc. has been asked to prepare a scope of work and an estimate of probable cost for preparing a boundary survey and a base map of selected features of the Addison Airport property. Included in the boundary survey are locating the approximately 65 ground leases on the airport, the through-the-fence leases, joint use agreements, and easements affecting the property.

Optionally, DTE can also produce individual lease exhibits if desired.

The base map will show all buildings, taxiways, runways, fences, and streets within or immediately adjacent to the airport boundary. In addition, utilities such as water, wastewater, storm sewer, electric, gas, and telephone can be located at an optional level of quality as explained in more detail below.

The detailed scope of services to accomplish these goals is set out as follows:

1. Gather data and perform research:

A. At Town of Addison and at Addison Airport

DTE staff will coordinate with Town of Addison staff in both Public Works and at Addison Airport to gather existing documents, plans, maintenance records, electronic files, and any other information that will aid in the preparation of the boundary survey, leasehold establishment, and base mapping.

B. At TxDOT's Aviation Division in Austin

DTE staff will obtain any relevant information about Addison Airport from Charlotte Bergfeld or her designated representative in TxDOT's Aviation Division in Austin.

C. From County Courthouse Deed Records

We will use an outside professional abstracting service to gather the public records research for us. Although several of our DTE staff are very proficient in using the Dallas County Deed Records, abstracting professionals have access to easement databases that allow them to do thorough easement searches that we are unable to do. We plan to avail ourselves of this expertise.

Deliverables: DTE will prepare a document control system for the project and establish files containing relevant documents.

2. Establish Control

A. Perform GPS surveys and office processing to establish secondary control on permanent monuments.

There are several high-order monuments on the airfield established as part of the National Geodetic Survey's Primary Airport Control Station (PACS) and Secondary Airport Control Station (SACS) program. We will use these monuments as our primary control points for the project. We will establish six additional secondary control points, which will be constructed to a Town of Addison and DTE mutually approved design at mutually agreed upon locations.

Classical static GPS surveying techniques will be used to record satellite observation files at each of the primary and secondary control points and at selected vertical benchmarks on the airfield. Constraining the resultant network to the National Geodetic Survey monuments' data, we will perform office post-processing to determine the geodetic coordinates, the NAD 83 (1993) Texas North Central Zone (4202) State Plane Coordinates, and the PACS NAVD88 orthometric height for each of the stations in the network.

B. Run level loops as necessary to incorporate existing vertical information.

The vertical datum for the PACS / SACS points is GPS-derived NAVD88 orthometric heights. These orthometric heights are published to centimeter precision (~0.03') and are considered to be that precise in relation to other PACS / SACS stations but not necessarily in relation to other NAVD88 known points in the area. Therefore, we need to incorporate some of the "local" benchmarks to ensure that our GPS vertical model works properly.

C. Prepare a report including "recovery drawings" showing each monument, its physical location, its data, and its metadata on an individual drawing for each monument.

After all of the above GPS work and leveling has been completed, DTE will compile a brief report documenting the GPS work and the associated statistics. The report will contain "recovery drawings" showing each monument, its physical location, its data, and its metadata on an individual drawing for each monument.

Deliverables: Meet with the Town Staff to deliver and discuss the GPS Report with a "recovery drawing" for each monument.

3. **Compile graphic documents of preliminary data.**

   A. **Plot deeds, leases, "through the fence" leases, easements, joint use agreements, TxDOT information, and plan data in a digital (AutoCad or Microstation) file.**

   Using the data gathered in Item 1, above, we will prepare a preliminary work map compiling the known facts concerning the location and extent of airport fee ownership, leases, utility easements, joint use agreements, aviation limitations and easements, engineering data, and other knowledge gained during the data gathering and research activities.

   B. **Analyze plot to identify any problem areas needing special attention and curative work.**

   Special attention will be paid to possible conflicts and problem areas. Those items that are not locatable due to poor or ambiguous description will be identified for special attention. These items will be added to the preliminary work map to the degree possible for the orderly and efficient prosecution of the fieldwork.

Deliverables: the preliminary work map in CAD format.

4. **Prepare a preliminary report and present it to the Town of Addison**

Prepare a formal report describing our findings and identifying those items from the data collected that need further attention or definition. Attend a formal meeting with the Town of Addison staff to present the report and mutually to define "action items" for the Town of Addison and the DTE staff.

Deliverables: meet with the Town Staff to present our Preliminary Report on research.

5. **Perform field surveys**

   A. **Establish three-dimensional tertiary control points for use in making boundary ties and mapping.**

   Working from the primary and secondary control points, DTE field crews will use GPS and conventional methods to establish tertiary control points for use in tying property corners and in mapping. Although these points will be of such permanence as to survive the project, they will not be published formally beyond the documentation in our project files.

B. Locate property corners and evidence of leaseholds using the preliminary work map as a guide.

Our crews will use the tertiary control points to locate and tie all evidence of fee simple boundaries and of leaseholds. Artificial monuments recited in deeds will be searched out. The evidence will be tied to the project coordinate system.

C. Locate in three dimensions all buildings, taxiways, runways, fences, streets, and utilities within or immediately adjacent to the airport boundary.

In addition to locating boundary corners, DTE personnel will locate buildings, taxiways, crossovers, runways, fences, streets, and utilities (water, wastewater, storm sewer, electric, gas, telephone). Our involvement with utility location can be very limited or very extensive as reflected in the four-tiered ***Subsurface Utility Engineering (SUE)*** options stated below:

Quality Level D –	*DTE personnel can conduct "records search" to obtain information on utilities solely from existing utility records.*
Quality Level C-	*DTE can perform a "surface visible feature survey" to locate visible aboveground utility facilities such as manholes, valve boxes, posts and to correlate this information with existing utility records.*
Quality Level B-	*DTE can utilize the application and interpretation of surface geophysical techniques which include electromagnetic, magnetic, and elastic wave methods to designate the presence and approximate horizontal location of underground utilities.*
Quality Level A-	*DTE can characterize a utility's spatial position, composition, condition, size, and other data that may be reasonably available about the utility and its surrounding environment through its exposure by non-destructive excavation techniques, such as air/vacuum extraction.*

Optionaly, DTE's level of involvement for Subsurface Utility Engineering (SUE) should be determined by the Town of Addison.

Deliverables: Meet with the Town Staff to deliver copies of work notes, sketches, ASCII files, etc.

6. **Perform office work to process and refine field data into graphic documents.**

   A. **Download data collectors, make calculations, and perform analysis and further research to establish property boundaries, encroachments, protrusions, leasehold limits, and easement locations.**

   After the field evidence is gathered, the data will be downloaded, processed against our control information, and imported to the project database for analysis.

   Inevitably, this analysis leads to a secondary level of courthouse research to clarify issues that have become apparent. DTE will provide the services to gain these materials.

   Once boundary lines have been established, an analysis of the spatial relationship between boundaries and improvements will be made to identify any encroachments or protrusions of improvements that may exist.

   Leases, joint use agreements, through-the-fence leases, and easements will then be harmonized to the boundaries and the improvements, and, finally, a fieldnote description of the Airport property will be prepared.

   B. **Perform CAD work necessary to prepare a boundary survey / base map presenting the results of the surveying.**

   The graphic documents presenting the results of the survey will be prepared in CAD format. The drawings will be "layered" to segregate thematically related data items on the same layer to facilitate the preparation of specialized exhibits in the future.

   All of the data gathered will reside in this graphic environment, and multiple drawings may be produced at the Town's request.

   Optionally, individual lease exhibits and descriptions can be prepared.

Deliverables: Meet with the Town Staff to provide hardcopies and digital versions of the graphic documents prepared.

7. Monument the boundaries of the airport and the leaseholds.

A. Perform office work to prepare stakeout files for the field crews.

Data collector files will be prepared for the crews to use to set out the corners.

B. Perform field work to set monuments (rebar with plastic caps) at all feasible boundary corners and at leasehold corners if requested by Addison Airport staff.

DTE field crews will set out 5/8" diameter 24" long rebar monuments with plastic caps at angle points in the fee simple boundary where no found monument exists.

Optionally, DTE crews can set out the same type of monument at lease corners if desired by the Town of Addison.

Deliverables: Monuments set in the field.

8. Prepare a final surveyor's report to present to the Town of Addison.

A. Prepare a final report having the following structure:

1. Executive Summary stating the project scope, objectives, and results.
2. A narrative describing the data gathering activities, preparation of the working sketch, and the conclusions drawn from the documents gathered.
3. Minutes of the formal meeting with the Town of Addison for the presentation of the preliminary report, the action items defined in that meeting, and the actions taken.
4. Formal surveyor's report addressing the research issues, the results of the field work, the interpretation of the evidence gathered, and the professional opinions drawn from that evidence.
5. The boundary survey / base map, signed and sealed, and, optionally, lease exhibits on individual leases.
6. Appendices
    a. A list of all documents gathered, their relevance, and their provenance.
    b. Copies of airport vesting deeds
    c. Copies of lease agreements

d. Monument location sketches, metadata, and horizontal / vertical data for all GPS secondary control monuments that were established.

B. Make a formal presentation to the Town Council of the results.

Deliverables: Electronic and Hard Copies of Final Report, Survey and Sorted Lease Documents

Exhibit B

ADDISON AIRPORT SURVEY SERVICES BY DAL-TECH

	$135.00		$100.00		$60.00		
	PRINCIPAL		RPLS		SURVEY TECH		
TASKS	Hours	Cost	Hours	Cost	Hours	Cost	Ho
I. Research							
1. Gather Data and Perform Research							
A. At Town of Addison and at Addison Airport	0	$0	40	$4,000	24	$1,440	
B. At TxDOT's Aviation Division in Austin	0	$0	8	$800	12	$720	
C. From County Courthouse Deed Records	0	$0	0	$0	0	$0	
2. Establish Control							
A. Perform GPS Surveys	0	$0	32	$3,200	12	$720	
B. Run Level Loops	2	$270	8	$800	8	$480	
C. Prepare Report including "Recovery Drawings"	6	$810	40	$4,000	40	$2,400	
3. Compile Graphic Documents of Preliminary Data							
A. Plot Deeds, Leases, Joint Use Agreements, Easements, etc.	4	$540	80	$8,000	80	$4,800	
B. Analyze Plot to Identify Problem Areas	4	$540	24	$2,400	32	$1,920	
4. Preliminary Report and Presentation	4	$540	24	$2,400	0	$0	
5. Perform Field Surveys							
A. Establish Control Points	4	$540	16	$1,600	16	$960	
B. Locate Property Corners & Evidence of Leaseholds	0	$0	16	$1,600	16	$960	
C. Locate Buildings, Utilities and Structures							
Locate Buildings and Structures	0	$0	16	$1,600	20	$1,200	
Subsurface Utility Engineering							
Level D	2	$270	24	$2,400	40	$2,400	
Level C	4	$540	32	$3,200	80	$4,800	
Level B	4	$540	40	$4,000	80	$4,800	
6. Perform Office Work to Process Data							
A. Download and Analyse Data for Boundary	0	$0	48	$4,800	60	$3,600	
B. Perform CAD Work for Boundary							
Overall Boundary	0	$0	24	$2,400	100	$6,000	
Individual Lease Area Drawing and Description	4	$540	86	$8,600	180	$10,800	
Joint Use Agreements Drawing and Description	4	$540	32	$3,200	60	$3,600	
Easements Drawing and Description	4	$540	16	$1,600	40	$2,400	
7. Monument the Boundaries of Airport and Leaseholds (if required)							
A. Perform Office Work to Prepare Stakeout Files	0	$0	8	$800	16	$960	
B. Perform Field Work to Set Monuments	0	$0	0	$0	16	$960	
8. Prepare Final Surveyor's Report							
A. Prepare Final Report	4	$540	32	$3,200	8	$480	
B. Present Report to Town Council	4	$540	4	$400	8	$480	
SUB-TOTAL	54	$7,290	650	$65,000	948	$56,880	
II. Non-Labor							
1. Reproduction							
2. UHF Handheld Radio for Safety							
3. GPS/Computer Time							
4. Meetings							
SUB-TOTAL	0	$0	0	$0	0	$0	
TOTAL							

DAL-TECH
ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

April 3, 2002

Mr. Steven Z. Chutchian, P.E.
16801 Westgrove
Addison, Texas 75001-9010

RE: Additional Professional Services for Addison Airport
Addison, Texas
DTE Job 0216

Dear Steve:

Based on DAL-TECH Engineering, Inc. findings to date and upon the completed boundary survey the following areas need special attention and/or curative work, and as you directed, we have also added the fee for the necessary professional services to each item:

1. The intersection of Westgrove Road and Addison Road. A turn lane was created heading east on Westgrove road at the southwest corner of the aforementioned intersection. No additional right-of-way taking was found. The sidewalk and street appears to be on airport property.

   Fee $ 1,500.00

2. Addison Road at Keller Springs. The jog in airport property should be adjusted to align with the new right-of-way of Addison Road.

   Fee $ 1,500.00

3. Deed to the property owned by the Texas Turnpike Authority at the intersection of Keller Springs and Dooley Road. It was the understanding that this property would be returned to the City or airport. Upon the above property being returned to the airport, Dooley Road and temporary easement, North of Keller Springs, should be abandoned by city ordinance.

   Fee $ 3,100.00

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www.dal-tech.com

4. The Airport property should be platted for several beneficial reasons:
   a. Dedication of various streets (i.e. Amelia Earhart, Claire Chennault, etc.).
   b. Distinguishing the specific use of property.
   c. Ease of future dealing with the FAA for funding of improvements
   d. Having official recorded document file with the county.

Fee	$ 8,000.00
Total Proposed Professional Fee	**$14,100.00**

All reimbursables such as printing, deliveries, mileage, etc. will be billed at cost plus 10%. If you wish for DTE to complete the above-mentioned items, please sign below or if required, we will submit the contract document upon your approval, for authorization to proceed.

Please do not hesitate to give us a call, with any questions.

Sincerely,

Sedi A. Toumani, P.E.
SAT/ats

TOWN OF ADDISON

_____ _____

Signature Date

#R6-1

Passed

Council Agenda Item: #R6

SUMMARY:

This item is for the acceptance and final payment to DAL-TECH ENGINERING, INC. for the Addison Airport Boundary Survey Project.

FINANCIAL IMPACT:

Budgeted Amount:	N/A
Cost:	$251,864.00
Source of Funds:	This project had been included in the amended fiscal year 2001 Airport Fund budget. However, most of the expenses associated with this project have been paid from the 2002 fiscal year budget and will require a mid-year budget amendment.

BACKGROUND:

As a requirement for the proper operation of the Addison Airport by the Town of Addison, it was necessary to perform a new boundary survey of the airport property. These improvements also brought the Town's records up to date. A contract was awarded to DAL-TECH ENGINEERING, INC., in the amount of $251,864.00, for the completion of the proposed boundary survey. The scope of work included the following items:

a. Performing research of documents related to the airport property and leaseholders.
b. Performing GPS surveys to establish control on permanent monuments.
c. Performing field surveys, including establishment of control points and monumentation, and measurement of existing lease holdings, buildings, utilities, taxiways, runways, etc.
d. Performing CAD work necessary to prepare boundary survey/base maps of the site.
e. Preparing a final report with all support documentation.

DAL-TECH ENGINEERING, INC. successfully performed all work within budget limits and the time set forth in the Agreement for Professional Services.

RECOMMENDATION:

Staff recommends that Council accept the project and authorize final payment to DAL-TECH ENGINEERING, INC., in the amount of $9,834.90, for the Addison Airport Boundary Survey.

#R6-2

DAL-TECH ENGINEERING, INC.

CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

INVOICE NO. 6107
March 4, 2002
FINAL INVOICE

Mr. Steve Chutchian, P.E.
Town of Addison
16801 Westgrove
Addison, Texas 75001-9010

RE: Addison Airport Boundary Survey & Base Mapping
Addison, Texas
DTE Job No. 0107

Description	Contract Amount	Completion Percentage	Completed to Date	Previously Invoiced	Current Invoice
I. Research					
1. Gather Data and Perform Research					
A. At Town of Addison and at Addison Airport	$ 5,656.00	100%	$ 5,656.00	$ 5,656.00	$ -
B. At TxDOT's Aviation Division in Austin	$ 1,628.00	100%	$ 1,628.00	$ 1,628.00	$ -
C. From County Courthouse Deed Records	$ 4,500.00	100%	$ 4,500.00	$ 4,500.00	$ -
2. Establish Control					
A. Perform GPS Surveys	$ 10,220.00	100%	$ 10,220.00	$ 10,220.00	$ -
B. Run Level Loops	$ 4,910.00	100%	$ 4,910.00	$ 4,910.00	$ -
C. Prepare Report Including "Recovery Drawings"	$ 7,642.00	100%	$ 7,642.00	$ 7,642.00	$ -
3. Compile Graphic Documents of Preliminary Data					
A. Plot Deeds, Leases, Joint Use Agmts, Easements	$ 13,340.00	100%	$ 13,340.00	$ 13,340.00	$ -
B. Analyze Plot to Identify Problem Areas	$ 4,860.00	100%	$ 4,860.00	$ 4,860.00	$ -
4. Preliminary Report and Presentation	$ 3,372.00	100%	$ 3,372.00	$ 3,372.00	$ -
5. Perform Field Surveys					
A. Establish Control Points	$ 8,140.00	100%	$ 8,140.00	$ 8,140.00	$ -
B. Locate Property Corners & Evidence of Leaseholds	$ 15,160.00	100%	$ 15,160.00	$ 15,160.00	$ -
C. Locate Bulidings, Utilities and Structures					
Locate Bulidings and Structures	$ 21,700.00	100%	$ 21,700.00	$ 20,615.00	$ 1,085.00
Subsurface Utility Engineering					
Level D	$ 8,778.00	100%	$ 8,778.00	$ 8,339.10	$ 438.90
Level C	$ 17,936.00	100%	$ 17,936.00	$ 17,039.20	$ 896.80
Level B	$ 25,756.00	100%	$ 25,756.00	$ 24,468.20	$ 1,287.80
6. Perform Office Work to Process Data					
A. Download and Analyse Data for Boundary	$ 8,832.00	100%	$ 8,832.00	$ 8,832.00	$ -
B. Perform CAD Work for Boundary					
Overall Boundary	$ 9,666.00	100%	$ 9,666.00	$ 9,666.00	$ -
Individual Lease Area Drawing and Description	$ 20,048.00	100%	$ 20,048.00	$ 19,045.60	$ 1,002.40
Joint Use Agreements Drawing and Description	$ 7,448.00	100%	$ 7,448.00	$ 7,075.60	$ 372.40
Easements Drawing and Description	$ 4,648.00	100%	$ 4,648.00	$ 4,415.60	$ 232.40
7. Monument the Boundaries of Airport and Leaseholds					
A. Perform Office Work to Prepare Stakeout Files	$ 1,760.00	100%	$ 1,760.00	$ 1,408.00	$ 352.00
B. Perform Field Work to Set Monuments	$ 7,260.00	100%	$ 7,260.00	$ 7,260.00	$ -
8. Prepare Final Surveyor's Report					
A. Prepare Final Report	$ 4,652.00	100%	$ 4,652.00	$ 4,186.80	$ 465.20
B. Present Report to Town Council	$ 1,852.00	100%	$ 1,852.00	$ -	$ 1,852.00
SUB-TOTAL	$ 219,764.00	100%	$ 219,764.00	$ 211,779.10	$ 7,984.90
II. Non-Labor					
1. Reproduction	$ 1,500.00	100%	$ 1,500.00	$ 1,350.00	$ 150.00
2. UHF Handheld Radio for Safety	$ 600.00	100%	$ 600.00	$ 600.00	$ -
3. GPS/Computer Time	$ 28,000.00	100%	$ 28,000.00	$ 26,600.00	$ 1,400.00
4. Meetings	$ 2,000.00	100%	$ 2,000.00	$ 1,700.00	$ 300.00
SUB-TOTAL	$ 32,100.00	100%	$ 32,100.00	$ 30,250.00	$ 1,850.00
TOTAL DUE THIS INVOICE					**$ 9,834.90**

All Payments are due upon receipt, 1.5% interest per month will be applied after 30 days.

dalserv\debra\0107\contracts\6107.03-04-02.xls
17311 DALLAS PKWY / STE 200 / DALLAS, TX 75248 / 972-250-2727 / FAX 972-250-4774
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www.dal-tech.com

TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO

DATE: 3/28/02 **Claim #** _____ **Check $** 9,834.90

Vendor No. _____

Vendor Name DAL-TECH ENGINEERING, INC.

Address 17311 DALLAS PKWY., STE. 200

Address DALLAS, TEXAS 75248

Address _____

Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	($000,000.00)
	12	621	56040			9,834.90

TOTAL 9,834.90

EXPLANATION FINAL PAYMENT TO DAL-TECH ENGINEERING, INC. FOR ADDISON AIRPORT BOUNDARY SURVEY.

Steve Chutchian
Authorized Signature

_____
Finance

DAL-TECH
ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

INVOICE NO. 6107
March 4, 2002
FINAL INVOICE

Mr. Steve Chutchian, P.E.
Town of Addison
16801 Westgrove
Addison, Texas 75001-9010

RE: Addison Airport Boundary Survey & Base Mapping
Addison, Texas
DTE Job No. 0107

Description	Contract Amount	Completion Percentage	Completed to Date	Previously Invoiced	Current Invoice
I. Research					
1. Gather Data and Perform Research					
A. At Town of Addison and at Addison Airport	$ 5,656.00	100%	$ 5,656.00	$ 5,656.00	$ -
B. At TxDOT's Aviation Division in Austin	$ 1,628.00	100%	$ 1,628.00	$ 1,628.00	$ -
C. From County Courthouse Deed Records	$ 4,500.00	100%	$ 4,500.00	$ 4,500.00	$ -
2. Establish Control					
A. Perform GPS Surveys	$ 10,220.00	100%	$ 10,220.00	$ 10,220.00	$ -
B. Run Level Loops	$ 4,910.00	100%	$ 4,910.00	$ 4,910.00	$ -
C. Prepare Report Including "Recovery Drawings"	$ 7,642.00	100%	$ 7,642.00	$ 7,642.00	$ -
3. Compile Graphic Documents of Preliminary Data					
A. Plot Deeds, Leases, Joint Use Agmts, Easements	$ 13,340.00	100%	$ 13,340.00	$ 13,340.00	$ -
B. Analyze Plot to Identify Problem Areas	$ 4,860.00	100%	$ 4,860.00	$ 4,860.00	$ -
4. Preliminary Report and Presentation	$ 3,372.00	100%	$ 3,372.00	$ 3,372.00	$ -
5. Perform Field Surveys					
A. Establish Control Points	$ 8,140.00	100%	$ 8,140.00	$ 8,140.00	$ -
B. Locate Property Corners & Evidence of Leaseholds	$ 15,160.00	100%	$ 15,160.00	$ 15,160.00	$ -
C. Locate Buildings, Utilities and Structures					
Locate Buildings and Structures	$ 21,700.00	100%	$ 21,700.00	$ 20,615.00	$ 1,085.00
Subsurface Utility Engineering					
Level D	$ 8,778.00	100%	$ 8,778.00	$ 8,339.10	$ 438.90
Level C	$ 17,936.00	100%	$ 17,936.00	$ 17,039.20	$ 896.80
Level B	$ 25,756.00	100%	$ 25,756.00	$ 24,468.20	$ 1,287.80
6. Perform Office Work to Process Data					
A. Download and Analyse Data for Boundary	$ 8,832.00	100%	$ 8,832.00	$ 8,832.00	$ -
B. Perform CAD Work for Boundary					
Overall Boundary	$ 9,666.00	100%	$ 9,666.00	$ 9,666.00	$ -
Individual Lease Area Drawing and Description	$ 20,048.00	100%	$ 20,048.00	$ 19,045.60	$ 1,002.40
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Easements Drawing and Description	$ 4,648.00	100%	$ 4,648.00	$ 4,415.60	$ 232.40
7. Monument the Boundaries of Airport and Leaseholds					
A. Perform Office Work to Prepare Stakeout Files	$ 1,760.00	100%	$ 1,760.00	$ 1,408.00	$ 352.00
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8. Prepare Final Surveyor's Report					
A. Prepare Final Report	$ 4,652.00	100%	$ 4,652.00	$ 4,186.80	$ 465.20
B. Present Report to Town Council	$ 1,852.00	100%	$ 1,852.00	$ -	$ 1,852.00
SUB-TOTAL	$ 219,764.00	100%	$ 219,764.00	$ 211,779.10	$ 7,984.90
II. Non-Labor					
1. Reproduction	$ 1,500.00	100%	$ 1,500.00	$ 1,350.00	$ 150.00
2. UHF Handheld Radio for Safety	$ 600.00	100%	$ 600.00	$ 600.00	$ -
3. GPS/Computer Time	$ 28,000.00	100%	$ 28,000.00	$ 26,600.00	$ 1,400.00
4. Meetings	$ 2,000.00	100%	$ 2,000.00	$ 1,700.00	$ 300.00
SUB-TOTAL	$ 32,100.00	100%	$ 32,100.00	$ 30,250.00	$ 1,850.00
TOTAL DUE THIS INVOICE					**$ 9,834.90**

All Payments are due upon receipt, 1.5% interest per month will be applied after 30 days.

O.K. to pay SLC 3/28/02

17311 DALLAS PKWY / STE 200 / DALLAS, TX 75248 / 972-250-2727 / FAX 972-250-4774
222 W. EXCHANGE / FT. WORTH, TX 76101 / 817-626-8777 / FAX 817-626-5777
www.dal-tech.com

DATE SUBMITTED: March 15, 2002
FOR COUNCIL MEETING: March 26, 2002

Council Agenda Item:

SUMMARY:

This item is for the acceptance and final payment to DAL-TECH ENGINERING, INC. for the Addison Airport Boundary Survey Project.

FINANCIAL IMPACT:

Budgeted Amount:	N/A
Cost:	$251,864.00
Source of Funds:	This project had been included in the amended fiscal year 2001 Airport Fund budget. However, most of the expenses associated with this project have been paid from the 2002 fiscal year budget and will require a mid-year budget amendment.

BACKGROUND:

As a requirement for the proper operation of the Addison Airport by the Town of Addison, it was necessary to perform a new boundary survey of the airport property. These improvements also brought the Town's records up to date. A contract was awarded to DAL-TECH ENGINEERING, INC., in the amount of $251,864.00, for the completion of the proposed boundary survey. The scope of work included the following items:

a. Performing research of documents related to the airport property and leaseholders.
b. Performing GPS surveys to establish control on permanent monuments.
c. Performing field surveys, including establishment of control points and monumentation, and measurement of existing lease holdings, buildings, utilities, taxiways, runways, etc.
d. Performing CAD work necessary to prepare boundary survey/base maps of the site.
e. Preparing a final report with all support documentation.

DAL-TECH ENGINEERING, INC. successfully performed all work within budget limits and the time set forth in the Agreement for Professional Services.

RECOMMENDATION:

Staff recommends that Council accept the project and authorize final payment to DAL-TECH ENGINEERING, INC., in the amount of $9,834.90, for the Addison Airport Boundary Survey.

DAL-TECH ENGINEERING, INC.

CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

INVOICE NO. 6107
March 4, 2002
FINAL INVOICE

Mr. Steve Chutchian, P.E.
Town of Addison
16801 Westgrove
Addison, Texas 75001-9010

RE: Addison Airport Boundary Survey & Base Mapping
Addison, Texas
DTE Job No. 0107

Description	Contract Amount	Completion Percentage	Completed to Date	Previously Invoiced	Current Invoice
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1. Gather Data and Perform Research					
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2. Establish Control					
A. Perform GPS Surveys	$ 10,220.00	100%	$ 10,220.00	$ 10,220.00	$ -
B. Run Level Loops	$ 4,910.00	100%	$ 4,910.00	$ 4,910.00	$ -
C. Prepare Report Including "Recovery Drawings"	$ 7,642.00	100%	$ 7,642.00	$ 7,642.00	$ -
3. Compile Graphic Documents of Preliminary Data					
A. Plot Deeds, Leases, Joint Use Agmts, Easements	$ 13,340.00	100%	$ 13,340.00	$ 13,340.00	$ -
B. Analyze Plot to Identify Problem Areas	$ 4,860.00	100%	$ 4,860.00	$ 4,860.00	$ -
4. Preliminary Report and Presentation	$ 3,372.00	100%	$ 3,372.00	$ 3,372.00	$ -
5. Perform Field Surveys					
A. Establish Control Points	$ 8,140.00	100%	$ 8,140.00	$ 8,140.00	$ -
B. Locate Property Corners & Evidence of Leaseholds	$ 15,160.00	100%	$ 15,160.00	$ 15,160.00	$ -
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Locate Buildings and Structures	$ 21,700.00	100%	$ 21,700.00	$ 20,615.00	$ 1,085.00
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8. Prepare Final Surveyor's Report					
A. Prepare Final Report	$ 4,652.00	100%	$ 4,652.00	$ 4,186.80	$ 465.20
B. Present Report to Town Council	$ 1,852.00	100%	$ 1,852.00	$ -	$ 1,852.00
SUB-TOTAL	$ 219,764.00	100%	$ 219,764.00	$ 211,779.10	$ 7,984.90
II. Non-Labor					
1. Reproduction	$ 1,500.00	100%	$ 1,500.00	$ 1,350.00	$ 150.00
2. UHF Handheld Radio for Safety	$ 600.00	100%	$ 600.00	$ 600.00	$ -
3. GPS/Computer Time	$ 28,000.00	100%	$ 28,000.00	$ 26,600.00	$ 1,400.00
4. Meetings	$ 2,000.00	100%	$ 2,000.00	$ 1,700.00	$ 300.00
SUB-TOTAL	$ 32,100.00	100%	$ 32,100.00	$ 30,250.00	$ 1,850.00
TOTAL DUE THIS INVOICE					**$ 9,834.90**

All Payments are due upon receipt, 1.5% interest per month will be applied after 30 days.

O.K. to pay
SZC
3/28/02

17311 DALLAS PKWY / STE 200 / DALLAS, TX 75248 / 972-250-2727 / FAX 972-250-4774
222 W. EXCHANGE / FT. WORTH, TX 76101 / 817-626-8777 / FAX 817-626-5777
www.dal-tech.com

Steve Chutchian

From: Randy Moravec
Sent: Friday, March 15, 2002 3:53 PM
To: Steve Chutchian
Cc: Michael Murphy
Subject: RE: March 26, 2002 Council Agenda Items

Steve,

The Niles Properties Demolition item looked fine.

As for the Boundary Survey, under budget I would suggest the following language:

This project had been included in the amended fiscal year 2001 Airport fund budget. However most of the expenses associated with this project have been paid from the 2002 fiscal year budget and will require a mid-year budget amendment.

If you have any questions regarding this modification, please contact me.

Randy

-----Original Message-----
From: **Steve Chutchian**
Sent: Thursday, March 14, 2002 1:22 PM
To: Randy Moravec; Chris Terry; Michael Murphy; Jim Pierce; Gayle Walton
Cc: Luke Jalbert
Subject: March 26, 2002 Council Agenda Items

<< File: Niles Properties Demolition Final Payment Agenda Item.doc >> << File: Addison Airport Boundary Survey Final Payment Agenda Item.doc >>

Jim - FOR your review Steve.

OK as noted

DATE SUBMITTED: March 15, 2002
FOR COUNCIL MEETING: March 26, 2002

Council Agenda Item:

SUMMARY:

This item is for the acceptance and final payment to DAL-TECH ENGINERING, INC. for the Addison Airport Boundary Survey Project.

FINANCIAL IMPACT:

Budgeted Amount:	N/A
Cost:	$251,864.00
Source of Funds:	Funds for these improvements were financed from the Airport Fund, Account No. 12-621-56040.

to bring the Town's records up to date.

BACKGROUND:

As a requirement for the ~~permanent~~ proper operation of the Addison Airport by the Town of Addison, it was necessary to perform a new boundary survey of the airport property. A contract was awarded to DAL-TECH ENGINEERING, INC., in the amount of $251,864.00, for the completion of the proposed boundary survey. The scope of work included the following items:

a. Performing research of documents related to the airport property and leaseholders.
b. Performing GPS surveys to establish control on permanent monuments.
c. Performing field surveys, including establishment of control points and monumentation, and measurement of existing lease holdings, buildings, utilities, taxiways, runways, etc.
d. Performing CAD work necessary to prepare boundary survey/base maps of the site.
e. Preparing a final report with all support documentation.

DAL-TECH ENGINEERING, INC. successfully performed all work within budget limits and the time set forth in the Agreement for Professional Services.

RECOMMENDATION:

Staff recommends that Council accept the project and authorize final payment to DAL-TECH ENGINEERING, INC., in the amount of $9,834.90, for the Addison Airport Boundary Survey.

DAL-TECH
ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

VIA FACSIMILE (972) 450-2837
December 17, 2001

Mr. Steven Z. Chutchian, P.E.
16801 Westgrove
Addison, Texas 75001-9010

RE: Addison Airport, Areas of Concern
Addison, Texas
DTE Job 0107

Dear Steve:

Based on DAL-TECH Engineering, Inc. findings to date and upon the completed boundary survey the following areas are needing special attention and/or curative work:

1. The intersection of Westgrove Road and Addison Road. A turn lane was created heading east on Westgrove road at the southwest corner of the aforementioned intersection. No additional right-of-way taking was found. The sidewalk and street appears to be on airport property.

2. Addison Road at Keller Springs. The jog in airport property should be adjusted to align with the new right-of-way of Addison Road.

3. Deed to the property owned by the Texas Turnpike Authority at the intersection of Keller Springs and Dooley Road. It was the understanding that this property would be returned to the City or airport. No information has been forwarded to us as of this date.

4. Upon the above property being returned to the airport, Dooley Road and temporary easement, North of Keller Springs, should be abandoned by city ordinance.

5. Dedication of various streets (i.e. Amelia Earhart, Claire Chennault, etc.).

If you wish for DTE to complete these above mentioned items, we will be glad to propose a schedule of fees and the time period involved to assist you in resolving these issues, upon further direction from the Town of Addison.

Please do not hesitate to give us a call, with any questions.

Sincerely,

Sedi A. Toumani, P.E.
SAT/dkj

F:\0107-Addison Airport\Letters\Areas of Concern.Chutchian 12-17-01.doc

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DAL-TECH
ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

VIA FACSIMILE (972) 450-2837
December 17, 2001

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Addison, Texas 75001-9010

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Sincerely,

Sedi A. Toumani, P.E.
SAT/dkj

F:\0107-Addison Airport\Letters\Areas of Concern.Chutchian 12-17-01.doc

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DAL-TECH
ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

January 9, 2002

Mr. Steven Z. Chutchian, P.E.
16801 Westgrove
Addison, Texas 75001-9010

RE: Addison Airport, Addison, Texas
Boundary Survey and Base Mapping
Document Submittal
DTE Job 0107

Dear Steve:

Based on our contract dated April, 2001, we have completed the services assigned and the following reflects DAL-TECH Engineering, Inc. first time final submittal (2 sets) of maps and documents prepared for the boundary survey and base mapping of the Addison Airport:

1. GPS Control Monuments
   - (11x17) key map for monuments
   - 8 ½ x 11, 6 control points with individual sketches

2. Boundary Survey sealed and signed
   - Full-size mylar and two blue line prints of boundary

3. Ground Lease Documents
   - Key map of ground leases
   - 57 individual ground lease sketches and descriptions

4. Utility Maps
   - Franchise Utility Map including:
     a. Overhead and underground electric
     b. Phone and other communication systems
     c. Gas Lines
   - City Utility including:
     a. Water System
     b. Sanitary Sewer System
     c. Storm Sewer System

We trust that these above documents fulfill your requirements. Furthermore, we will be providing you with an electronic file of the entire submittal and if needed all backup documents are available for your use.

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It has been a pleasure working with you and all the staff involved in this project and we look forward for continuing on in the future. Please after your review of the submitted documents, let us know if we can provide additional information or answer any questions.

Sincerely,

Sedi A. Toumani, P.E.
President

SAT/dkj

attachments

TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO

DATE: 1/21/02 **Claim #** _____ **Check $** 48,828.50

Vendor No. _____

Vendor Name DAL-TECH ENGINEERING, INC.

Address 17311 DALLAS PKWY., STE. 200

Address DALLAS, TEXAS 75248

Address _____

Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	($000,000.00)
#5107	12	621	56040			48,828.50

TOTAL 48,828.50

EXPLANATION ADDISON AIRPORT BOUNDARY SURVEY

_____

_____

_____

_____

Authorized Signature

Finance

DAL-TECH
ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

INVOICE NO. 5107
January 14, 2002

Mr. Steve Chutchian, P.E.
Town of Addison
16801 Westgrove
Addison, Texas 75001-9010

RE: Addison Airport Boundary Survey & Base Mapping
Addison, Texas
DTE Job No. 0107

Description	Contract Amount	Completion Percentage	Completed to Date	Previously Invoiced	Current Invoice
I. Research					
1. Gather Data and Perform Research					
A. At Town of Addison and at Addison Airport	$ 5,656.00	100%	$ 5,656.00	$ 5,373.20	$ 282.80
B. At TxDOT's Aviation Division In Austin	$ 1,628.00	100%	$ 1,628.00	$ 1,628.00	$ -
C. From County Courthouse Deed Records	$ 4,500.00	100%	$ 4,500.00	$ 4,500.00	$ -
2. Establish Control					
A. Perform GPS Surveys	$ 10,220.00	100%	$ 10,220.00	$ 10,220.00	$ -
B. Run Level Loops	$ 4,910.00	100%	$ 4,910.00	$ 4,910.00	$ -
C. Prepare Report Including "Recovery Drawings"	$ 7,642.00	100%	$ 7,642.00	$ 7,642.00	$ -
3. Compile Graphic Documents of Preliminary Data					
A. Plot Deeds, Leases, Joint Use Agmts, Easements	$ 13,340.00	100%	$ 13,340.00	$ 12,006.00	$ 1,334.00
B. Analyze Plot to Identify Problem Areas	$ 4,860.00	100%	$ 4,860.00	$ 4,860.00	$ -
4. Preliminary Report and Presentation	$ 3,372.00	100%	$ 3,372.00	$ 3,372.00	$ -
5. Perform Field Surveys					
A. Establish Control Points	$ 8,140.00	100%	$ 8,140.00	$ 8,140.00	$ -
B. Locate Property Corners & Evidence of Leaseholds	$ 15,160.00	100%	$ 15,160.00	$ 15,160.00	$ -
C. Locate Buildings, Utilities and Structures					
Locate Buildings and Structures	$ 21,700.00	95%	$ 20,615.00	$ 17,360.00	$ 3,255.00
Subsurface Utility Engineering					
Level D	$ 8,778.00	95%	$ 8,339.10	$ 7,022.40	$ 1,316.70
Level C	$ 17,936.00	95%	$ 17,039.20	$ 14,348.80	$ 2,690.40
Level B	$ 25,756.00	95%	$ 24,468.20	$ 20,604.80	$ 3,863.40
6. Perform Office Work to Process Data					
A. Download and Analyse Data for Boundary	$ 8,832.00	100%	$ 8,832.00	$ 8,832.00	$ -
B. Perform CAD Work for Boundary					
Overall Boundary	$ 9,666.00	100%	$ 9,666.00	$ 9,666.00	$ -
Individual Lease Area Drawing and Description	$ 20,048.00	95%	$ 19,045.60	$ 6,014.40	$ 13,031.20
Joint Use Agreements Drawing and Description	$ 7,448.00	95%	$ 7,075.60	$ 2,234.40	$ 4,841.20
Easements Drawing and Description	$ 4,648.00	95%	$ 4,415.60	$ 1,859.20	$ 2,556.40
7. Monument the Boundaries of Airport and Leaseholds					
A. Perform Office Work to Prepare Stakeout Files	$ 1,760.00	80%	$ 1,408.00	$ 1,232.00	$ 176.00
B. Perform Field Work to Set Monuments	$ 7,260.00	100%	$ 7,260.00	$ 7,260.00	$ -
8. Prepare Final Surveyor's Report					
A. Prepare Final Report	$ 4,652.00	90%	$ 4,186.80	$ 930.40	$ 3,256.40
B. Present Report to Town Council	$ 1,852.00	0%	$ -	$ -	$ -
SUB-TOTAL	$ 219,764.00	96%	$ 211,779.10	$ 175,175.60	$ 36,603.50
II. Non-Labor					
1. Reproduction	$ 1,500.00	90%	$ 1,350.00	$ 825.00	$ 525.00
2. UHF Handheld Radio for Safety	$ 600.00	100%	$ 600.00	$ 600.00	$ -
3. GPS/Computer Time	$ 28,000.00	95%	$ 26,600.00	$ 15,400.00	$ 11,200.00
4. Meetings	$ 2,000.00	85%	$ 1,700.00	$ 1,200.00	$ 500.00
SUB-TOTAL	$ 32,100.00	94%	$ 30,250.00	$ 18,025.00	$ 12,225.00
TOTAL DUE THIS INVOICE					**$ 48,828.50**

All Payments are due upon receipt, 1.5% interest per month will be applied after 30 days.

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Static Control Point

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7039506.863**	**7040396.371**	**0.99987366**
East:	**2478102.163**	**2478415.295**	**Elevation Scale Factor**
Elevation:	**637.40**	**637.42**	**0.99997371**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

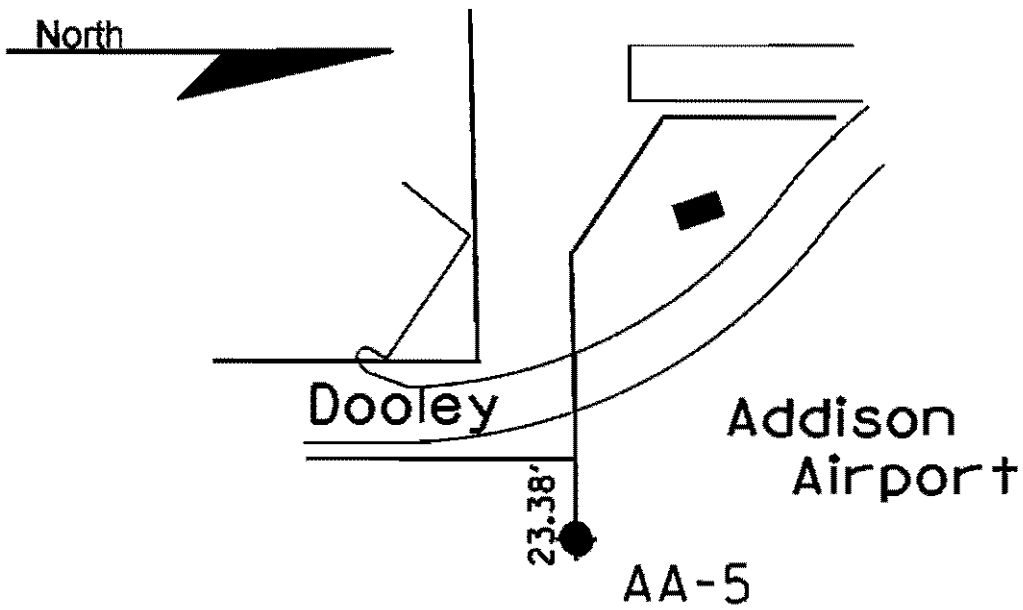
Point Name: AA-5

Description:

3" Aluminum Disk set in concrete, inscribed with "AA-5"

Location:

Located in the Addison Airport, on the north old ROW line of Keller Springs Drive (50' ROW), 23.38' east of the east ROW line of Dooley Road (60' ROW).



Static Control Point

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7040772.156**	**7041662.424**	**0.99987357**
East:	**2478253.153**	**2478566.515**	**Elevation Scale Factor**
Elevation:	**633.02**	**633.04**	**0.99997392**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

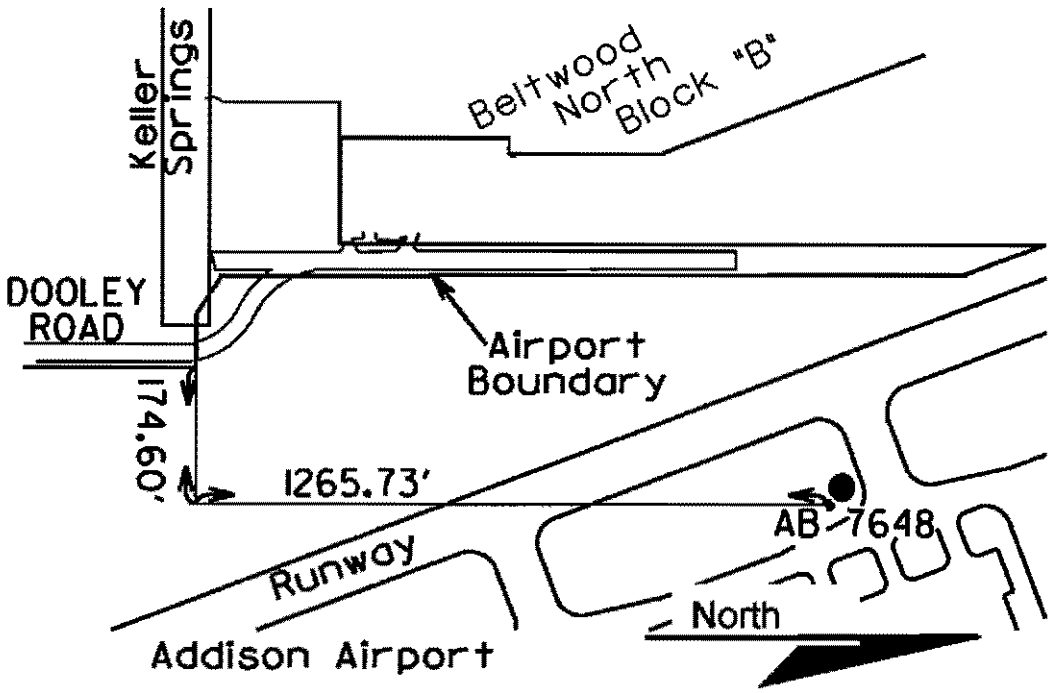
Point Name: AB 7648

Description:

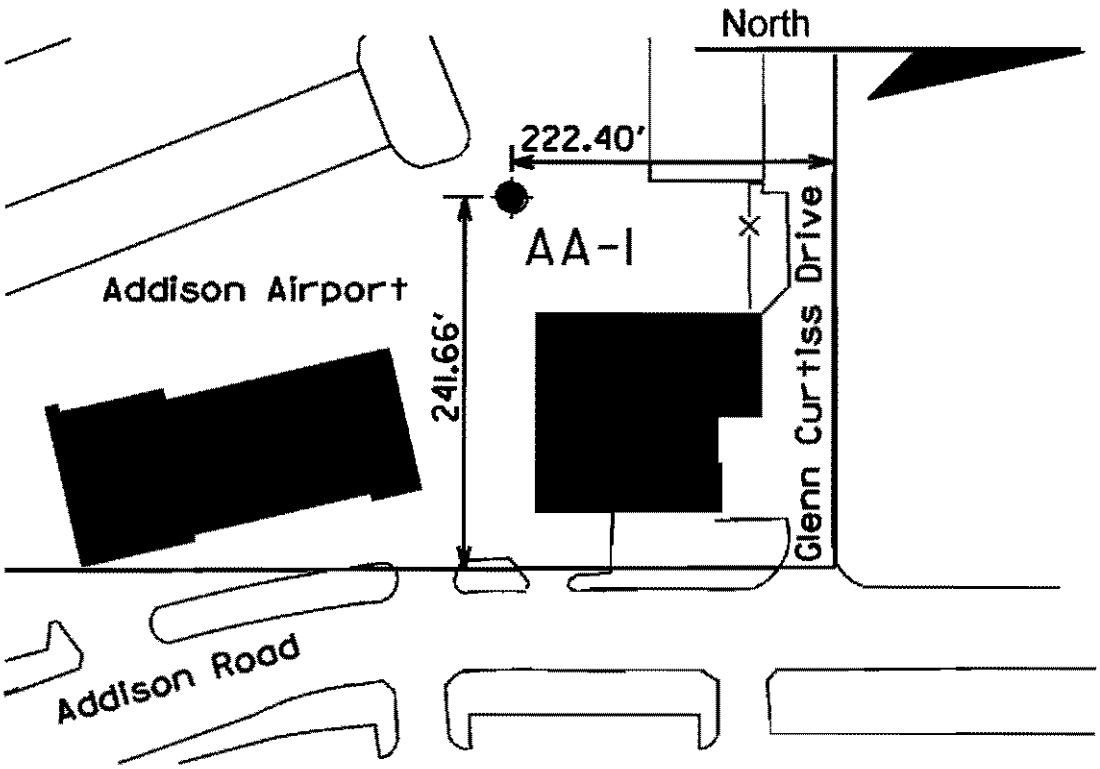
Standard USGS Disk set in concrete, inscribed with "AB 7648"

Location:

Located in the Addison Airport, east of the runway, 174.60' east of and 1265.73' north of the intersection of the north ROW line of Keller Springs Drive and the east ROW line of Dooley Road.



Located on the east side of Addison Airport, 222.40' south of the north ROW line of Glenn Curtiss Drive (an undedicated 45' ROW) and 241.66' west of the west ROW line of Addison Road.



SIGN IN

NAME	COMPANY	PHONE #
LUKE JALBERT	ADDISON	972 450 2860
MARK ACEVEDO	TOA	972-450-2848
Jim Riley	TOA	972-450-2879
Scott HARDIN	DTE	972-250-2727
Sedi Toumani	DTE	〃 〃
Mori Akhavan	〃	〃 〃
Steve CHRISTOPHER	ADDISON	972-450-2886
harry Ferguson	DTE	
Dave Pearce	Addison Airport	972.392.4855
Bob KATZEN	Addison Airport	972-392-4856

DAL-TECH
ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

April 12, 2001

Mr. Steve Z. Chutchian, P.E.
Assistant City Engineer
16801 Westgrove
Addison, Texas 75001-9010

RE: Surveying Services
Addison Airport Boundary Survey, Addison, Texas
DTE Job Number 0107

Dear Mr. Chutchian:

Dal-Tech Engineering, Inc. is pleased to provide our fee proposal, as revised by negotiation, for surveying services for the Addison Airport Boundary Survey and Utility Mapping Project.

Attached is the Level of Effort spreadsheet, prepared based upon the scope of work as discussed during our meeting of March 14, 2001, and our visit at the airport with Mr. David Pierce and Mr. Bob Katzen. We received a great deal of information both from our discussion with them and from the airport site visit.

These attachments reflect our final fee proposal and Scope of Services based on our discussion with you and our judgment as to the complexities and expertise that will be involved in delivering this assignment within the quality expectations of the Town's staff. The proposed professional service fee is a lump sum fee of (not to exceed) **$251,864.00**, with an expected project schedule of completion within a six to eight month period.

We certainly do appreciate this opportunity to serve the Town and are looking forward to working with you. If further information or clarification is needed, please let us know. Following your contract approval, we will be preparing a more detailed schedule of work to be reviewed by you prior to project notice to proceed. Thank you again for this opportunity to be of service to the Town.

Sincerely,

Sedi A. Toumani, P.E.
SAT/ats

Enc. Scope of Services
Fee Schedule

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webmaster@dal-tech.com

ADDISON AIRPORT BOUNDARY SURVEY
AND BASE MAPPING
SCOPE OF WORK

DAL-TECH Engineering, Inc. has been asked to prepare a scope of work and an estimate of probable cost for preparing a boundary survey and a base map of selected features of the Addison Airport property. Included in the boundary survey are locating the approximately 65 ground leases on the airport, the through-the-fence leases, joint use agreements, and easements affecting the property.

Optionally, DTE can also produce individual lease exhibits if desired.

The base map will show all buildings, taxiways, runways, fences, and streets within or immediately adjacent to the airport boundary. In addition, utilities such as water, wastewater, storm sewer, electric, gas, and telephone can be located at an optional level of quality as explained in more detail below.

The detailed scope of services to accomplish these goals is set out as follows:

1. Gather data and perform research:

A. At Town of Addison and at Addison Airport

DTE staff will coordinate with Town of Addison staff in both Public Works and at Addison Airport to gather existing documents, plans, maintenance records, electronic files, and any other information that will aid in the preparation of the boundary survey, leasehold establishment, and base mapping.

B. At TxDOT's Aviation Division in Austin

DTE staff will obtain any relevant information about Addison Airport from Charlotte Bergfeld or her designated representative in TxDOT's Aviation Division in Austin.

C. From County Courthouse Deed Records

We will use an outside professional abstracting service to gather the public records research for us. Although several of our DTE staff are very proficient in using the Dallas County Deed Records, abstracting professionals have access to easement databases that allow them to do thorough easement searches that we are unable to do. We plan to avail ourselves of this expertise.

Deliverables: DTE will prepare a document control system for the project and establish files containing relevant documents.

2. Establish Control

A. Perform GPS surveys and office processing to establish secondary control on permanent monuments.

There are several high-order monuments on the airfield established as part of the National Geodetic Survey's Primary Airport Control Station (PACS) and Secondary Airport Control Station (SACS) program. We will use these monuments as our primary control points for the project. We will establish six additional secondary control points, which will be constructed to a Town of Addison and DTE mutually approved design at mutually agreed upon locations.

Classical static GPS surveying techniques will be used to record satellite observation files at each of the primary and secondary control points and at selected vertical benchmarks on the airfield. Constraining the resultant network to the National Geodetic Survey monuments' data, we will perform office post-processing to determine the geodetic coordinates, the NAD 83 (1993) Texas North Central Zone (4202) State Plane Coordinates, and the PACS NAVD88 orthometric height for each of the stations in the network.

B. Run level loops as necessary to incorporate existing vertical information.

The vertical datum for the PACS / SACS points is GPS-derived NAVD88 orthometric heights. These orthometric heights are published to centimeter precision (~0.03') and are considered to be that precise in relation to other PACS / SACS stations but not necessarily in relation to other NAVD88 known points in the area. Therefore, we need to incorporate some of the "local" benchmarks to ensure that our GPS vertical model works properly.

C. Prepare a report including "recovery drawings" showing each monument, its physical location, its data, and its metadata on an individual drawing for each monument.

After all of the above GPS work and leveling has been completed, DTE will compile a brief report documenting the GPS work and the associated statistics. The report will contain "recovery drawings" showing each monument, its physical location, its data, and its metadata on an individual drawing for each monument.

Deliverables: Meet with the Town Staff to deliver and discuss the GPS Report with a "recovery drawing" for each monument.

3. **Compile graphic documents of preliminary data.**

   A. **Plot deeds, leases, "through the fence" leases, easements, joint use agreements, TxDOT information, and plan data in a digital (AutoCad or Microstation) file.**

   Using the data gathered in Item 1, above, we will prepare a preliminary work map compiling the known facts concerning the location and extent of airport fee ownership, leases, utility easements, joint use agreements, aviation limitations and easements, engineering data, and other knowledge gained during the data gathering and research activities.

   B. **Analyze plot to identify any problem areas needing special attention and curative work.**

   Special attention will be paid to possible conflicts and problem areas. Those items that are not locatable due to poor or ambiguous description will be identified for special attention. These items will be added to the preliminary work map to the degree possible for the orderly and efficient prosecution of the fieldwork.

   Deliverables: the preliminary work map in CAD format.

4. **Prepare a preliminary report and present it to the Town of Addison**

   Prepare a formal report describing our findings and identifying those items from the data collected that need further attention or definition. Attend a formal meeting with the Town of Addison staff to present the report and mutually to define "action items" for the Town of Addison and the DTE staff.

   Deliverables: meet with the Town Staff to present our Preliminary Report on research.

5. **Perform field surveys**

   A. **Establish three-dimensional tertiary control points for use in making boundary ties and mapping.**

   Working from the primary and secondary control points, DTE field crews will use GPS and conventional methods to establish tertiary control points for use in tying property corners and in mapping. Although these points will be of such permanence as to survive the project, they will not be published formally beyond the documentation in our project files.

B. Locate property corners and evidence of leaseholds using the preliminary work map as a guide.

Our crews will use the tertiary control points to locate and tie all evidence of fee simple boundaries and of leaseholds. Artificial monuments recited in deeds will be searched out. The evidence will be tied to the project coordinate system.

C. Locate in three dimensions all buildings, taxiways, runways, fences, streets, and utilities within or immediately adjacent to the airport boundary.

In addition to locating boundary corners, DTE personnel will locate buildings, taxiways, crossovers, runways, fences, streets, and utilities (water, wastewater, storm sewer, electric, gas, telephone). Our involvement with utility location can be very limited or very extensive as reflected in the four-tiered ***Subsurface Utility Engineering (SUE)*** options stated below:

Quality Level D –	*DTE personnel can conduct "records search" to obtain information on utilities solely from existing utility records.*
Quality Level C-	*DTE can perform a "surface visible feature survey" to locate visible aboveground utility facilities such as manholes, valve boxes, posts and to correlate this information with existing utility records.*
Quality Level B-	*DTE can utilize the application and interpretation of surface geophysical techniques which include electromagnetic, magnetic, and elastic wave methods to designate the presence and approximate horizontal location of underground utilities.*
Quality Level A-	*DTE can characterize a utility's spatial position, composition, condition, size, and other data that may be reasonably available about the utility and its surrounding environment through its exposure by non-destructive excavation techniques, such as air/vacuum extraction.*

Optionaly, DTE's level of involvement for Subsurface Utility Engineering (SUE) should be determined by the Town of Addison.

Deliverables: Meet with the Town Staff to deliver copies of work notes, sketches, ASCII files, etc.

6. Perform office work to process and refine field data into graphic documents.

A. Download data collectors, make calculations, and perform analysis and further research to establish property boundaries, encroachments, protrusions, leasehold limits, and easement locations.

After the field evidence is gathered, the data will be downloaded, processed against our control information, and imported to the project database for analysis.

Inevitably, this analysis leads to a secondary level of courthouse research to clarify issues that have become apparent. DTE will provide the services to gain these materials.

Once boundary lines have been established, an analysis of the spatial relationship between boundaries and improvements will be made to identify any encroachments or protrusions of improvements that may exist.

Leases, joint use agreements, through-the-fence leases, and easements will then be harmonized to the boundaries and the improvements, and, finally, a fieldnote description of the Airport property will be prepared.

B. Perform CAD work necessary to prepare a boundary survey / base map presenting the results of the surveying.

The graphic documents presenting the results of the survey will be prepared in CAD format. The drawings will be "layered" to segregate thematically related data items on the same layer to facilitate the preparation of specialized exhibits in the future.

All of the data gathered will reside in this graphic environment, and multiple drawings may be produced at the Town's request.

Optionally, individual lease exhibits and descriptions can be prepared.

Deliverables: Meet with the Town Staff to provide hardcopies and digital versions of the graphic documents prepared.

7. Monument the boundaries of the airport and the leaseholds.

A. Perform office work to prepare stakeout files for the field crews.

Data collector files will be prepared for the crews to use to set out the corners.

B. Perform field work to set monuments (rebar with plastic caps) at all feasible boundary corners and at leasehold corners if requested by Addison Airport staff.

DTE field crews will set out 5/8" diameter 24" long rebar monuments with plastic caps at angle points in the fee simple boundary where no found monument exists.

Optionally, DTE crews can set out the same type of monument at lease corners if desired by the Town of Addison.

Deliverables: Monuments set in the field.

8. Prepare a final surveyor's report to present to the Town of Addison.

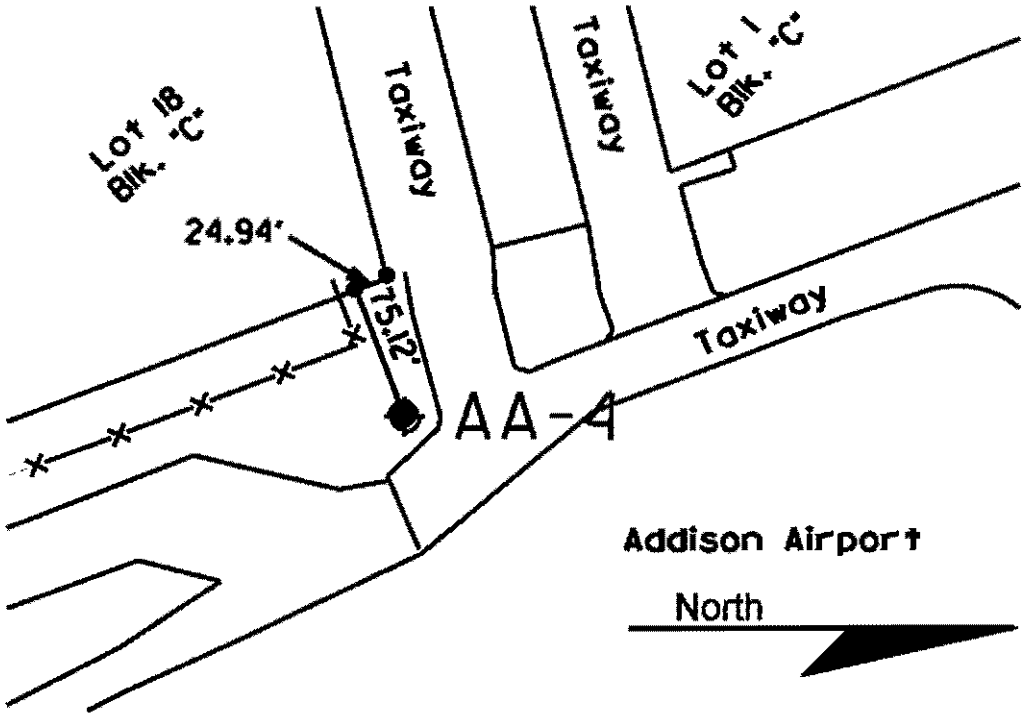
A. Prepare a final report having the following structure:

1. Executive Summary stating the project scope, objectives, and results.
2. A narrative describing the data gathering activities, preparation of the working sketch, and the conclusions drawn from the documents gathered.
3. Minutes of the formal meeting with the Town of Addison for the presentation of the preliminary report, the action items defined in that meeting, and the actions taken.
4. Formal surveyor's report addressing the research issues, the results of the field work, the interpretation of the evidence gathered, and the professional opinions drawn from that evidence.
5. The boundary survey / base map, signed and sealed, and, optionally, lease exhibits on individual leases.
6. Appendices
    a. A list of all documents gathered, their relevance, and their provenance.
    b. Copies of airport vesting deeds
    c. Copies of lease agreements

d. Monument location sketches, metadata, and horizontal / vertical data for all GPS secondary control monuments that were established.

B. Make a formal presentation to the Town Council of the results.

Deliverables: Electronic and Hard Copies of Final Report, Survey and Sorted Lease Documents



Static Control Point

Observers:	Mark Yale P. Scott Hardin J. L. Lyle	Texas State Plane Coordinates Zone: North Central (4202) Geoid: Conus	
	Grid	Surface	Grid Scale Factor
North:	7037202.352	7038090.390	0.99987382
East:	2480632.193	2480945.229	Elevation Scale Factor
Elevation:	638.03	638.05	0.99997368

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

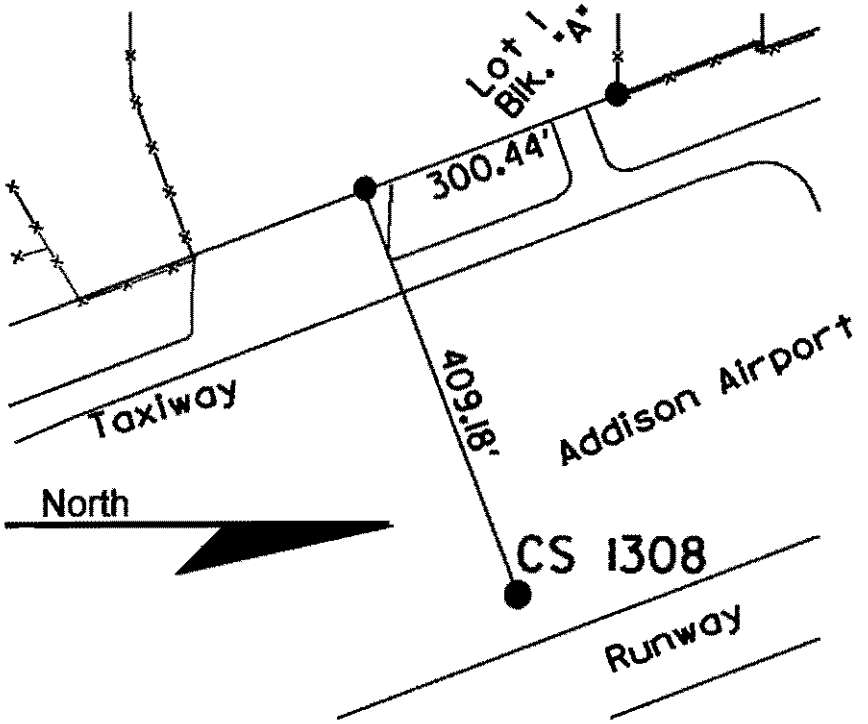
Point Name: AA - 3

Description:

3" Aluminum Disk set in concrete, inscribed with "AA-3"

Location:

Located on the east side of Addison Airport, 300' +/- south of George Haddaway Drive, 30' +/- west of the west curbline of Addison Road,



Static Control Point

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7035957.986**	**7036845.215**	**0.99987392**
East:	**2479444.822**	**2479757.478**	**Elevation Scale Factor**
Elevation:	**632.41**	**632.43**	**0.99997395**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

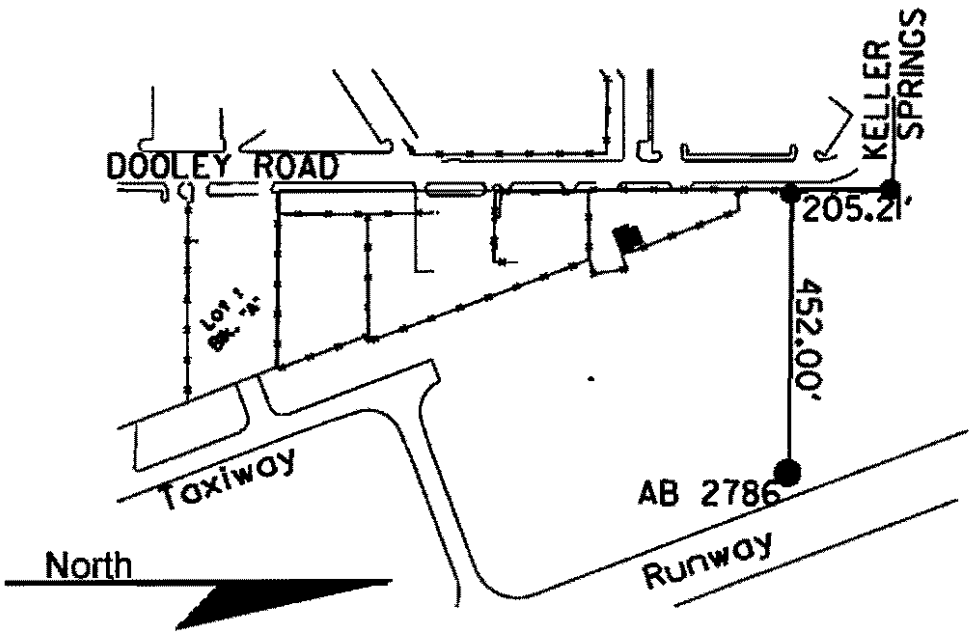
Point Name: AA - 4

Description:

3" Aluminum Disk set in concrete, inscribed with "AA-4"

Location:

Located on the west side of Addison Airport, 24.94' southeast of, and 75.12' northeast of the northeast corner of Lot 18, Block "C", Addison Airport Industrial Addition.



Static Control Point

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7038354.547**	**7039243.335**	**0.99987374**
East:	**2478875.833**	**2479188.860**	**Elevation Scale Factor**
Elevation:	**642.02**	**642.04**	**0.99997349**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

Point Name: CS 1308

Description:

Standard USGS Disk set in concrete, inscribed with "CS 1308"

Location:

Located in the Addison Airport, 409.18' northeast of and perpendicular to the west Addison Airport boundary, and 300.44' southeast from the corner of Lot 1, Block "A" of the Addison Airport Industrial Addition.

Static Control Point

Observers: Mark Yale P. Scott Hardin J. L. Lyle		Texas State Plane Coordinates Zone: North Central (4202) Geoid: Conus	
	Grid	Surface	Grid Scale Factor
North:	7039305.132	7040194.513	0.99987367
East:	2478531.657	2478844.807	Elevation Scale Factor
Elevation:	640.77	640.79	0.99997355

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

Point Name: AB 2786

Description:

Standard USGS Disk set in concrete, inscribed with "AB 2786"

Location:

Located in the Addison Airport, west of the runway, 452' east of and 205.21' south of the intersection of the north ROW line of Keller Springs Drive (50' ROW) and the east ROW line of Dooley Road (60' ROW).

Static Control Point

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7039506.863**	**7040396.371**	**0.99987366**
East:	**2478102.163**	**2478415.295**	**Elevation Scale Factor**
Elevation:	**637.40**	**637.42**	**0.99997371**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

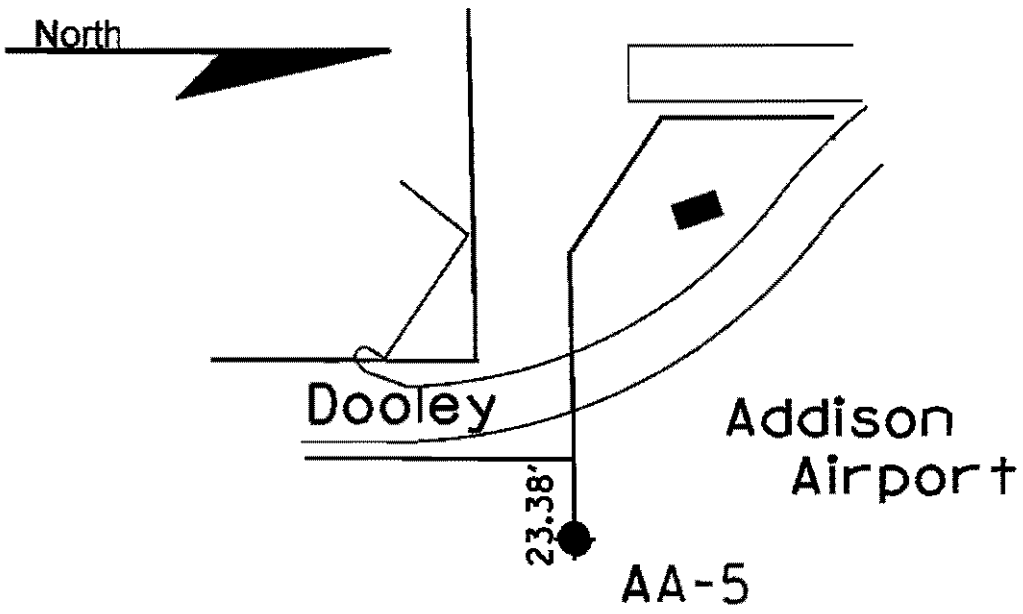
Point Name: AA-5

Description:

3" Aluminum Disk set in concrete, inscribed with "AA-5"

Location:

Located in the Addison Airport, on the north old ROW line of Keller Springs Drive (50' ROW), 23.38' east of the east ROW line of Dooley Road (60' ROW).



Static Control Point

Observers:	Mark Yale P. Scott Hardin J. L. Lyle	Texas State Plane Coordinates Zone: North Central (4202) Geoid: Conus	
	Grid	Surface	Grid Scale Factor
North:	7040772.156	7041662.424	0.99987357
East:	2478253.153	2478566.515	Elevation Scale Factor
Elevation:	633.02	633.04	0.99997392

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

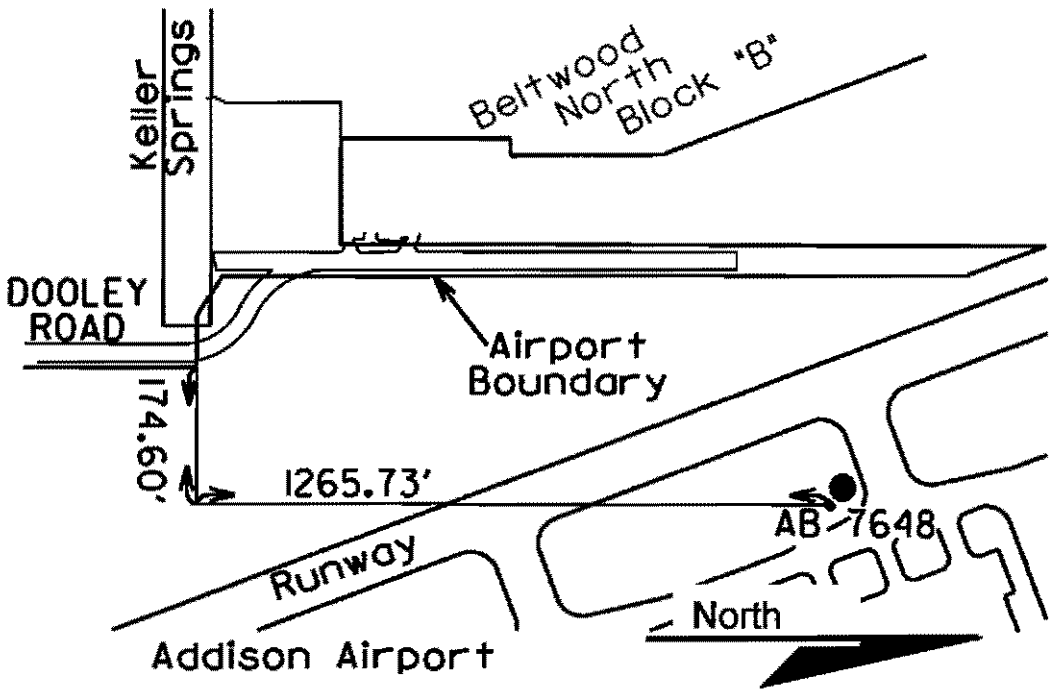
Point Name: AB 7648

Description:

Standard USGS Disk set in concrete, inscribed with "AB 7648"

Location:

Located in the Addison Airport, east of the runway, 174.60' east of and 1265.73' north of the intersection of the north ROW line of Keller Springs Drive and the east ROW line of Dooley Road.



Static Control Point

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7043042.492**	**7043934.064**	**0.99987343**
East:	**2477532.021**	**2477845.649**	**Elevation Scale Factor**
Elevation:	**637.40**	**637.42**	**0.99997371**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

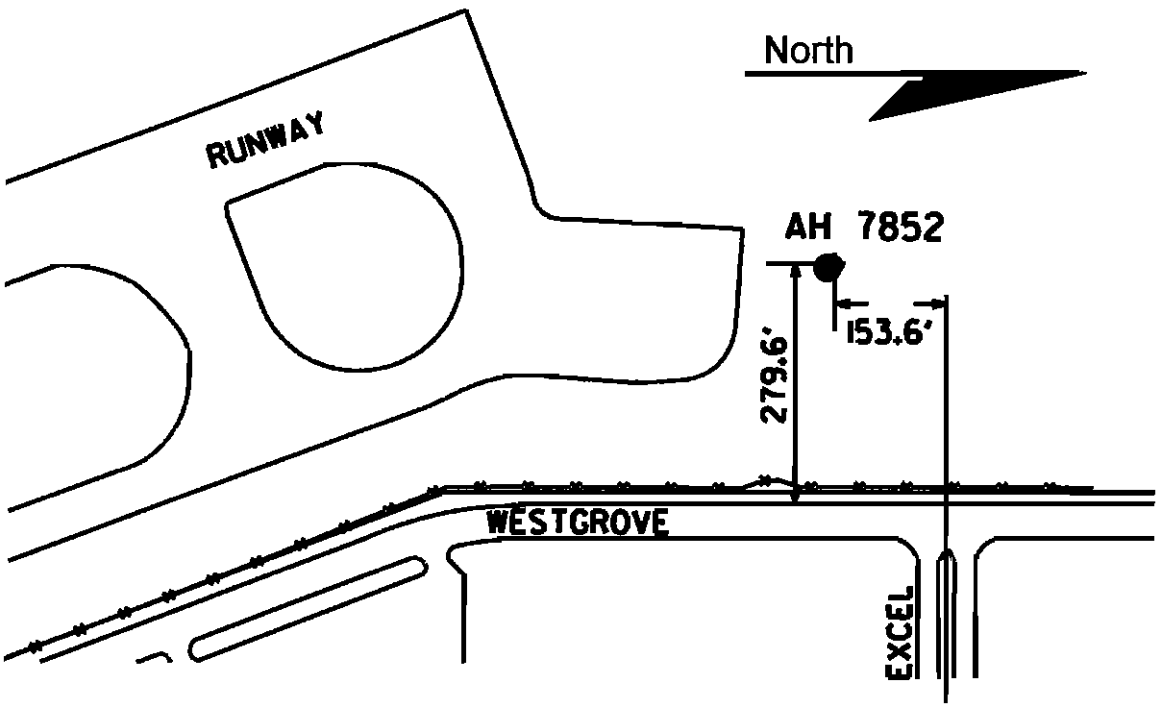
Point Name: AH 7852

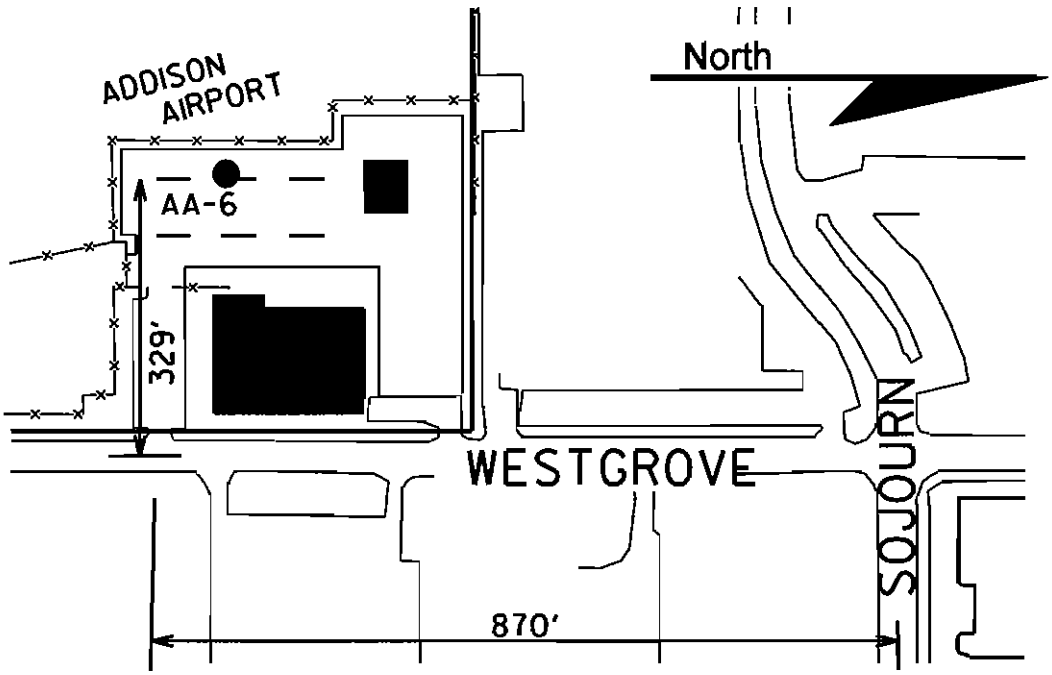
Description:

Standard USGS Disk set in concrete, inscribed with "AH 7852"

Location:

Located in the Addison Airport, 153.6' south of the Excel Blvd. centerline (extended), 279.6' west of the west curbline of Westgrove Drive.




ADDISON
AIRPORT
AA-6
329'
North
WESTGROVE
SOJOURN
870'

Static Control Point

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7043848.691**	**7044740.705**	**0.99987336**
East:	**2477497.499**	**2477811.242**	**Elevation Scale Factor**
Elevation:	**652.26**	**652.28**	**0.99997300**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

Point Name: AA-6

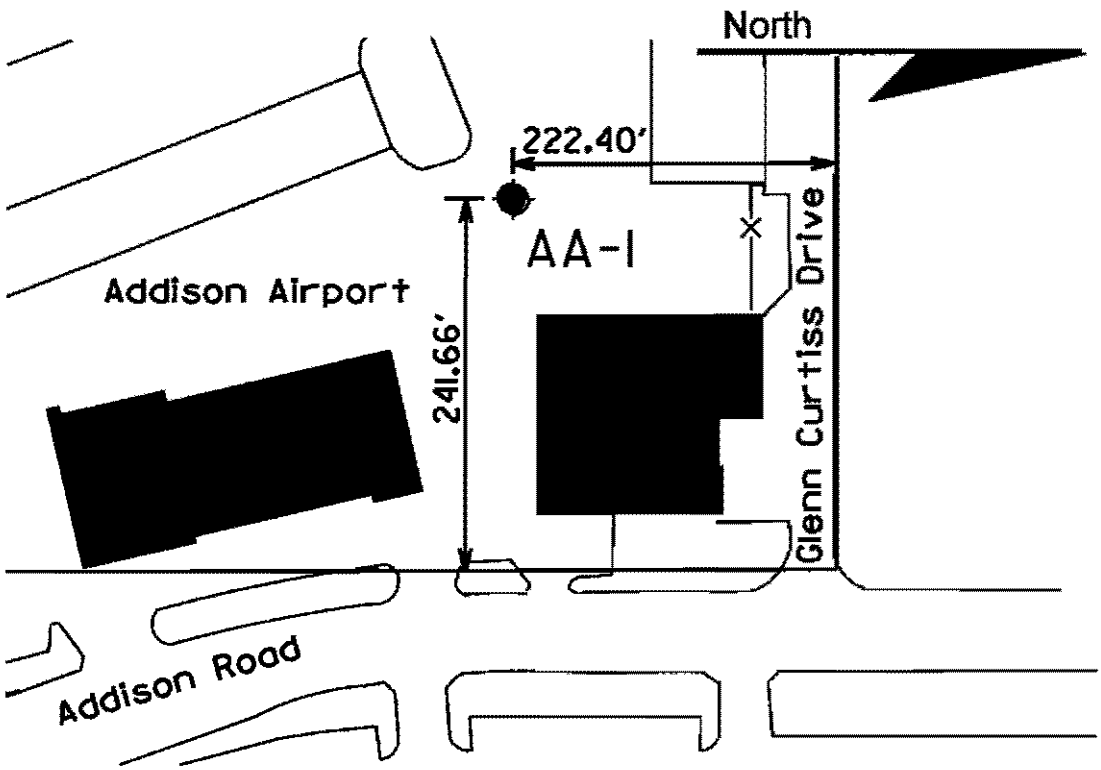
Description:

3" Aluminum Disk set in concrete, inscribed with "AA-6"

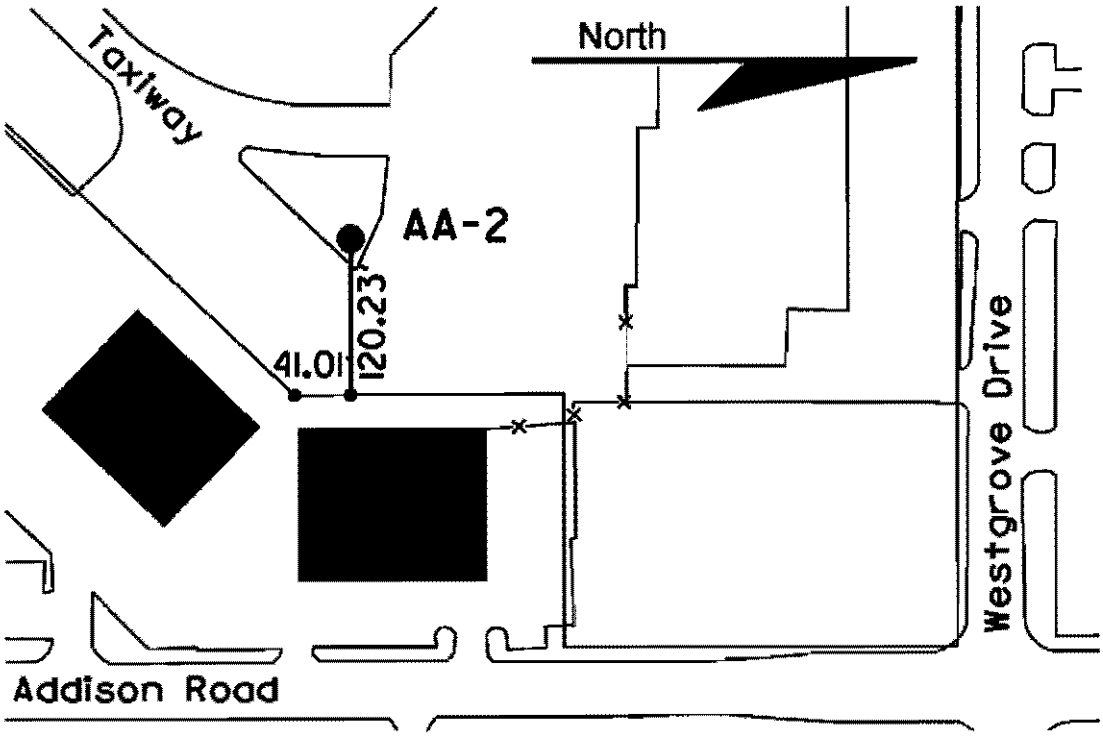
Location:

Located in the Town of Addison Service Center Compound, 870' South of the centerline of Sojourn Drive where it intersects the centerline of Westgrove Drive, 329' West of the centerline of Westgrove Drive. Monument set at the south radius point of a 3-foot wide traffic island, 4" below top-of-curb.

Located on the east side of Addison Airport, 222.40' south of the north ROW line of Glenn Curtiss Drive (an undedicated 45' ROW) and 241.66' west of the west ROW line of Addison Road.



Located on the east side of Addison Airport, 41.01' north of and 120.23' west of the southwest corner of the Texas Federal Subdivision No. 2.



Static Control Point

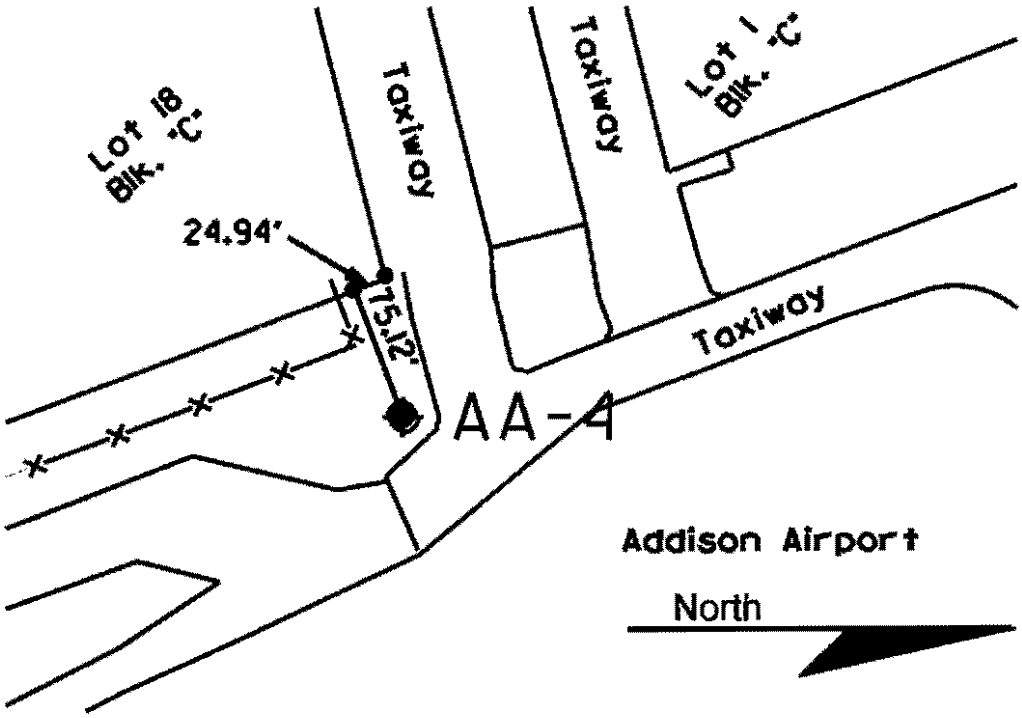
Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7039689.078**	**7040578.681**	**0.99987365**
East:	**2480245.682**	**2480559.110**	**Elevation Scale Factor**
Elevation:	**638.30**	**638.31**	**0.99997366**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

Point Name: AA - 1

Description:
3" Aluminum Disk set in concrete, inscribed with "AA-1"

Location:



Static Control Point

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7037202.352**	**7038090.390**	**0.99987382**
East:	**2480632.193**	**2480945.229**	**Elevation Scale Factor**
Elevation:	**638.03**	**638.05**	**0.99997368**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

Point Name: AA - 3

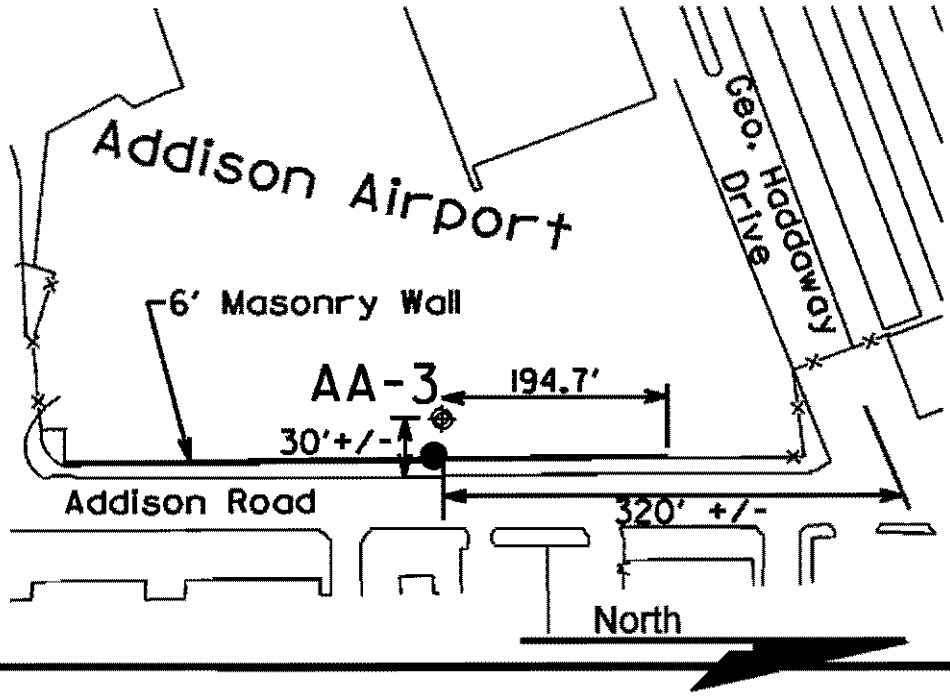
Description:

3" Aluminum Disk set in concrete, inscribed with "AA-3"

Location:

Located on the east side of Addison Airport, 300' +/- south of George Haddaway Drive, 30' +/- west of the west curbline of Addison Road,

194.7' south of the north end of a 6' high masonry wall, and 13.9' from and perpendicular to said wall.



Static Control Point

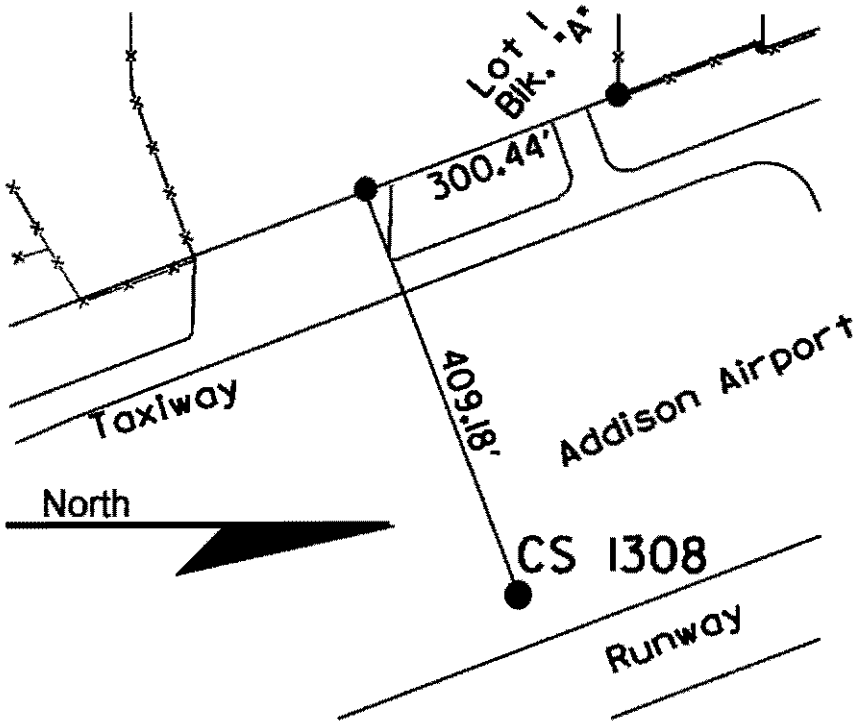
Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7041501.126**	**7042391.806**	**0.99987353**
East:	**2480144.730**	**2480458.444**	**Elevation Scale Factor**
Elevation:	**641.92**	**641.04**	**0.99997349**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

Point Name: AA - 2

Description:
3" Aluminum Disk set in concrete, inscribed with "AA-2"

Location:



Static Control Point

Observers:	**Mark Yale P. Scott Hardin J. L. Lyle**	**Texas State Plane Coordinates Zone: North Central (4202) Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7035957.986**	**7036845.215**	**0.99987392**
East:	**2479444.822**	**2479757.478**	**Elevation Scale Factor**
Elevation:	**632.41**	**632.43**	**0.99997395**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

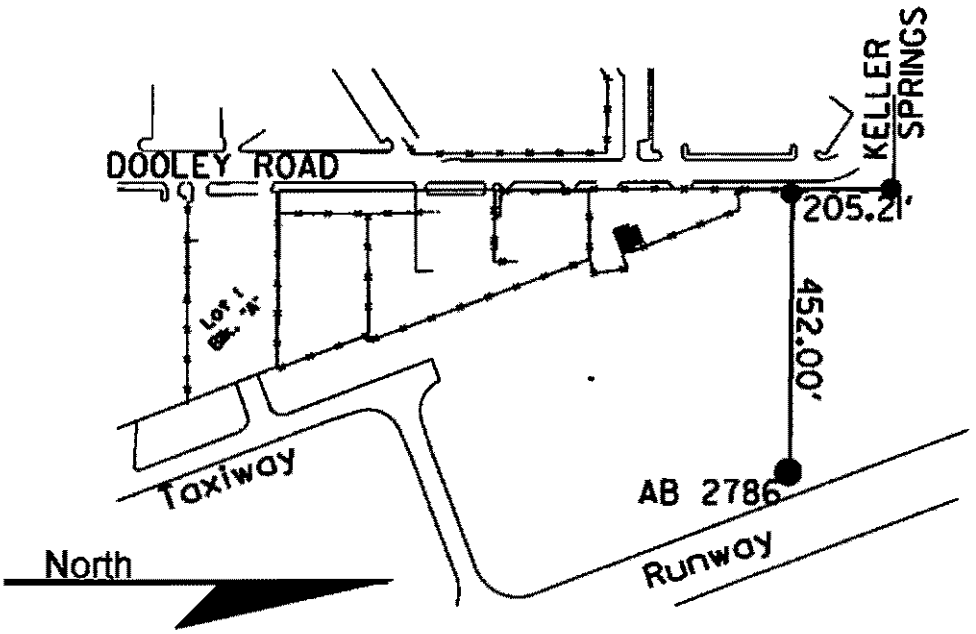
Point Name: AA - 4

Description:

3" Aluminum Disk set in concrete, inscribed with "AA-4"

Location:

Located on the west side of Addison Airport, 24.94' southeast of, and 75.12' northeast of the northeast corner of Lot 18, Block "C", Addison Airport Industrial Addition.



Static Control Point

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7038354.547**	**7039243.335**	**0.99987374**
East:	**2478875.833**	**2479188.860**	**Elevation Scale Factor**
Elevation:	**642.02**	**642.04**	**0.99997349**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

Point Name: CS 1308

Description:

Standard USGS Disk set in concrete, inscribed with "CS 1308"

Location:

Located in the Addison Airport, 409.18' northeast of and perpendicular to the west Addison Airport boundary, and 300.44' southeast from the corner of Lot 1, Block "A" of the Addison Airport Industrial Addition.

Static Control Point

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7039305.132**	**7040194.513**	**0.99987367**
East:	**2478531.657**	**2478844.807**	**Elevation Scale Factor**
Elevation:	**640.77**	**640.79**	**0.99997355**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

Point Name: AB 2786

Description:

Standard USGS Disk set in concrete, inscribed with "AB 2786"

Location:

Located in the Addison Airport, west of the runway, 452' east of and 205.21' south of the intersection of the north ROW line of Keller Springs Drive (50' ROW) and the east ROW line of Dooley Road (60' ROW).

Static Control Point

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7043042.492**	**7043934.064**	**0.99987343**
East:	**2477532.021**	**2477845.649**	**Elevation Scale Factor**
Elevation:	**637.40**	**637.42**	**0.99997371**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

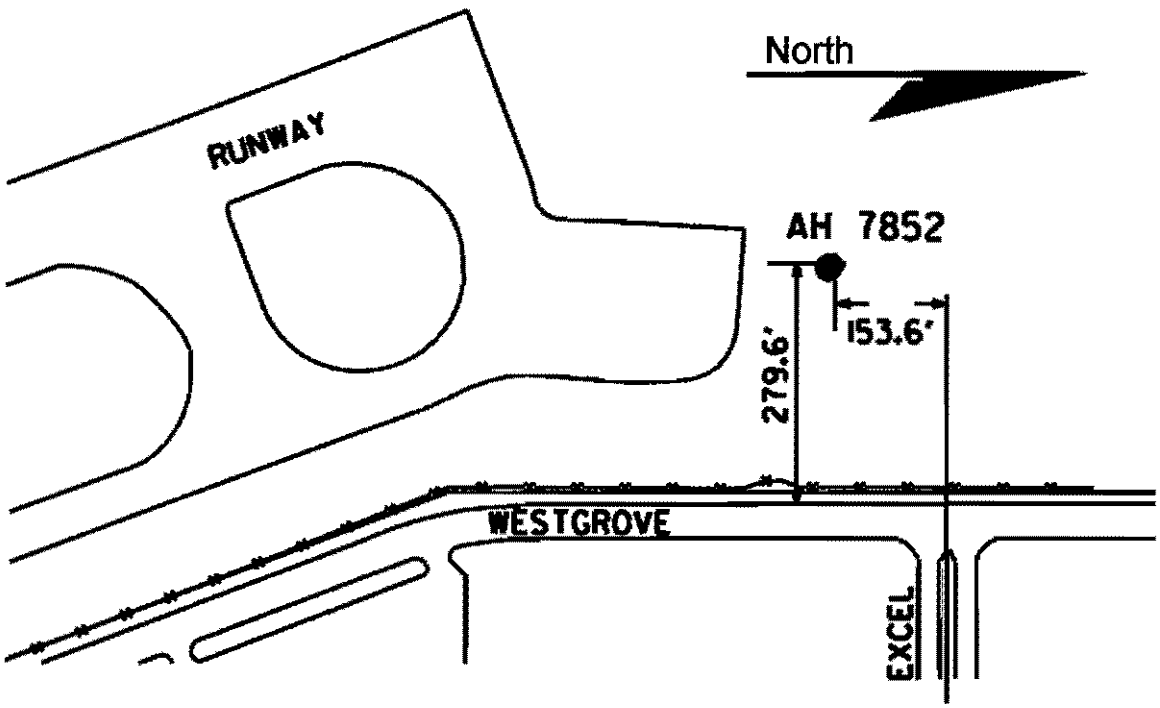
Point Name: AH 7852

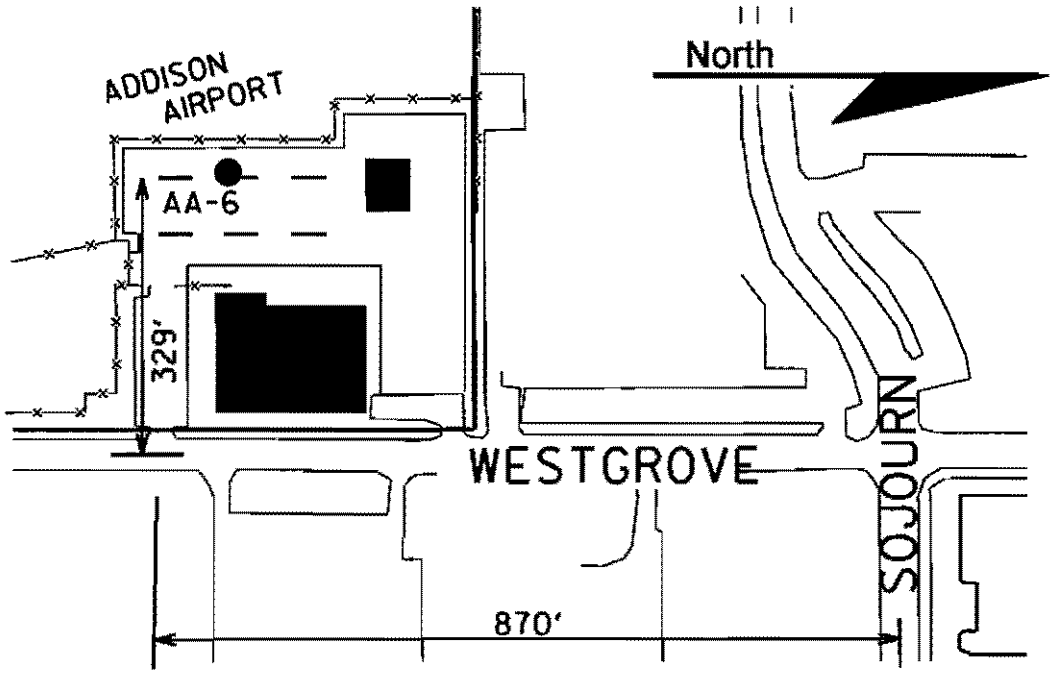
Description:

Standard USGS Disk set in concrete, inscribed with "AH 7852"

Location:

Located in the Addison Airport, 153.6' south of the Excel Blvd. centerline (extended), 279.6' west of the west curbline of Westgrove Drive.




ADDISON
AIRPORT
AA-6
329'
North
WESTGROVE
SOJOURN
870'

Static Control Point

Observers:	**Mark Yale** **P. Scott Hardin** **J. L. Lyle**	**Texas State Plane Coordinates** **Zone: North Central (4202)** **Geoid: Conus**	
	Grid	**Surface**	**Grid Scale Factor**
North:	**7043848.691**	**7044740.705**	**0.99987336**
East:	**2477497.499**	**2477811.242**	**Elevation Scale Factor**
Elevation:	**652.26**	**652.28**	**0.99997300**

Dal-Tech Engineering 972-250-2727
17311 Dallas Parkway, Dallas Tx. 75248

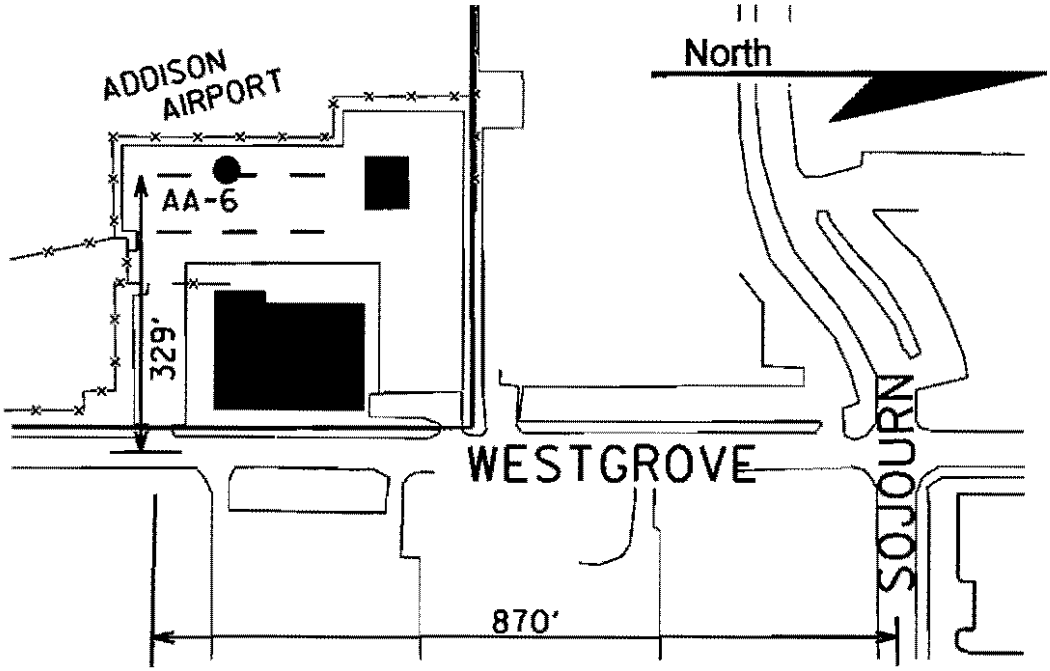
Point Name: AA-6

Description:

3" Aluminum Disk set in concrete, inscribed with "AA-6"

Location:

Located in the Town of Addison Service Center Compound, 870' South of the centerline of Sojourn Drive where it intersects the centerline of Westgrove Drive, 329' West of the centerline of Westgrove Drive. Monument set at the south radius point of a 3-foot wide traffic island, 4" below top-of-curb.


ADDISON
AIRPORT
AA-6
329'
North
WESTGROVE
SOJOURN
870'

TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO

DATE: 7/30/01 **Claim #** _____ **Check $** 48,917.30

Vendor No. _____

Vendor Name DAL-TECH ENGINEERING, INC.

Address 17311 DALLAS PKWY/STE 200

Address DALLAS, TEXAS 75248

Address _____

Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	($000,000.00)
JOB # 0107	12	621	56040	—		48,917.30
INVOICE # 2107						

TOTAL 48,917.30

EXPLANATION ADDISON AIRPORT BOUNDARY SURVEY

Steve Chutchian
Authorized Signature

Finance

DAL-TECH
ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

INVOICE NO. 2107
July 26, 2001

Mr. Steve Chutchian, P.E.
Town of Addison
16801 Westgrove
Addison, Texas 75001-9010

RE: Addison Airport Boundary Survey & Base Mapping
Addison, Texas
DTE Job No. 0107

Description	Contract Amount	Completion Percentage	Completed to Date	Previous Invoice	Current Invoice
I. Research					
1. Gather Data and Perform Research					
A. At Town of Addison and at Addison Airport	$ 5,656.00	85%	$ 4,807.60	$ 1,131.20	$ 3,676.40
B. At TxDOT's Aviation Division in Austin	$ 1,628.00	100%	$ 1,628.00	$ 1,628.00	$ -
C. From County Courthouse Deed Records	$ 4,500.00	90%	$ 4,050.00	$ 4,500.00	$ (450.00)
2. Establish Control					
A. Perform GPS Surveys	$ 10,220.00	100%	$ 10,220.00	$ 10,220.00	$ -
B. Run Level Loops	$ 4,910.00	100%	$ 4,910.00	$ 4,910.00	$ -
C. Prepare Report Including "Recovery Drawings"	$ 7,642.00	80%	$ 6,113.60	$ 4,585.20	$ 1,528.40
3. Compile Graphic Documents of Preliminary Data					
A. Plot Deeds, Leases, Joint Use Agmts, Easements	$ 13,340.00	90%	$ 12,006.00	$ 10,672.00	$ 1,334.00
B. Analyze Plot to Identify Problem Areas	$ 4,860.00	90%	$ 4,374.00	$ 3,888.00	$ 486.00
4. Preliminary Report and Presentation	$ 3,372.00	30%	$ 1,011.60	$ -	$ 1,011.60
5. Perform Field Surveys			-		
A. Establish Control Points	$ 8,140.00	50%	$ 4,070.00	$ 1,628.00	$ 2,442.00
B. Locate Property Corners & Evidence of Leaseholds	$ 15,160.00	50%	$ 7,580.00	$ 3,032.00	$ 4,548.00
C. Locate Bulidings, Utilities and Structures					
Locate Bulidings and Structures	$ 21,700.00	25%	$ 5,425.00	$ 2,170.00	$ 3,255.00
Subsurface Utility Engineering					
Level D	$ 8,778.00	50%	$ 4,389.00	$ -	$ 4,389.00
Level C	$ 17,936.00	0%	$ -	$ -	$ -
Level B	$ 25,756.00	0%	$ -	$ -	$ -
6. Perform Office Work to Process Data					
A. Download and Analyse Data for Boundary	$ 8,832.00	85%	$ 7,507.20	$ -	$ 7,507.20
B. Perform CAD Work for Boundary					
Overall Boundary	$ 9,666.00	85%	$ 8,216.10	$ -	$ 8,216.10
Individual Lease Area Drawing and Description	$ 20,048.00	15%	$ 3,007.20	$ -	$ 3,007.20
Joint Use Agreements Drawing and Description	$ 7,448.00	20%	$ 1,489.60	$ -	$ 1,489.60
Easements Drawing and Description	$ 4,648.00	10%	$ 464.80	$ -	$ 464.80
7. Monument the Boundaries of Airport and Leaseholds					
A. Perform Office Work to Prepare Stakeout Files	$ 1,760.00	70%	$ 1,232.00	$ -	$ 1,232.00
B. Perform Field Work to Set Monuments	$ 7,260.00	0%	$ -	$ -	$ -
8. Prepare Final Surveyor's Report					
A. Prepare Final Report	$ 4,652.00	0%	$ -	$ -	$ -
B. Present Report to Town Council	$ 1,852.00	0%	$ -	$ -	$ -
SUB-TOTAL	$ 219,764.00	44%	$ 92,501.70	$ 48,364.40	$ 44,137.30
II. Non-Labor					
1. Reproduction	$ 1,500.00	25%	$ 375.00	$ 286.00	$ 89.00
2. UHF Handheld Radio for Safety	$ 600.00	100%	$ 600.00	$ 389.00	$ 211.00
3. GPS/Computer Time	$ 28,000.00	35%	$ 9,800.00	$ 5,320.00	$ 4,480.00
4. Meetings	$ 2,000.00	18%	$ 350.00	$ 350.00	$ -
SUB-TOTAL	$ 32,100.00	35%	$ 11,125.00	$ 6,345.00	$ 4,780.00
TOTAL DUE THIS INVOICE					**$ 48,917.30**

All Payments are due upon receipt, 1.5% interest per month will be applied after 30 days.

O.K. to PAY
SZC
7/30/01

17311 DALLAS PKWY / STE 200 / DALLAS, TX 75248 / 972-250-2727 / FAX 972-250-4774
222 W. EXCHANGE / FT. WORTH, TX 76101 / 817-626-8777 / FAX 817-626-5777
www.dal-tech.com

TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO

DATE: 6/28/01 **Claim #** _____ **Check $** 54,709.40

Vendor No. _____

Vendor Name DAL-TECH ENGINEERING, INC.

Address 17311 DALLAS PKWY, STE 200

Address DALLAS, TEXAS 75248

Address _____

Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	($000,000.00)
			56040			
	12	621		—		54,709.40

TOTAL 54,709.40

EXPLANATION SURVEYING SERVICES FOR ADDISON AIRPORT BOUNDARY SURVEY BY DAL-TECH ENGINEERING, INC.

Steve Chutchian
Authorized Signature

Finance

DAL-TECH
ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

INVOICE NO. 1107
June 26, 2001

Mr. Steve Chutchian, P.E.
Town of Addison
16801 Westgrove
Addison, Texas 75001-9010

RE: Addison Airport Boundary Survey & Base Mapping
Addison, Texas
DTE Job No. 0107

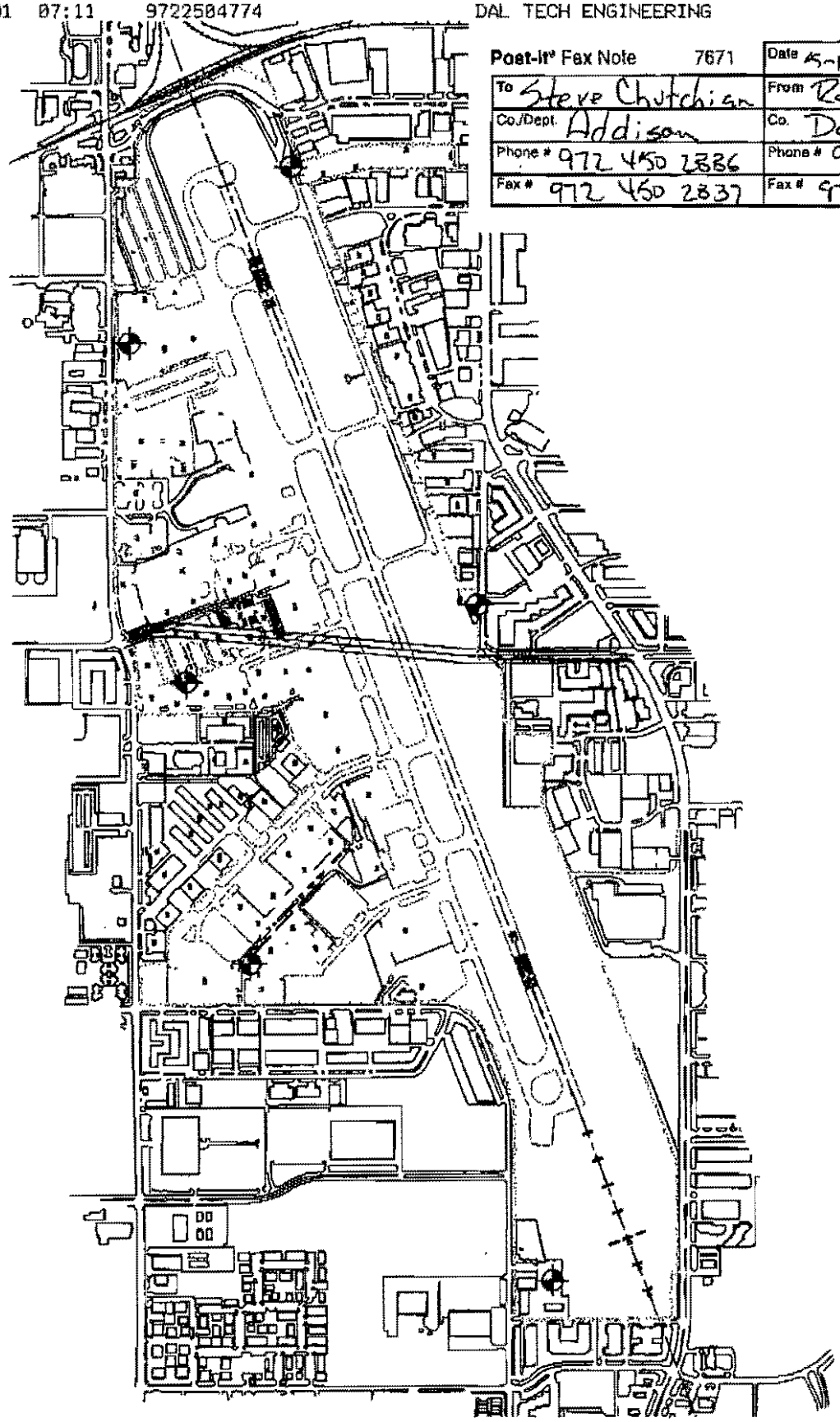
Description	Contract Amount	Completion Percentage	Completed to Date	Previous Invoice	Current Invoice
I. Research					
1. Gather Data and Perform Research					
A. At Town of Addison and at Addison Airport	$ 5,656.00	20%	$ 1,131.20	$ -	$ 1,131.20
B. At TxDOT's Aviation Division in Austin	$ 1,628.00	100%	$ 1,628.00	$ -	$ 1,628.00
C. From County Courthouse Deed Records	$ 4,500.00	100%	$ 4,500.00	$ -	$ 4,500.00
2. Establish Control					
A. Perform GPS Surveys	$ 10,220.00	100%	$ 10,220.00	$ -	$ 10,220.00
B. Run Level Loops	$ 4,910.00	100%	$ 4,910.00	$ -	$ 4,910.00
C. Prepare Report Including "Recovery Drawings"	$ 7,642.00	60%	$ 4,585.20	$ -	$ 4,585.20
3. Compile Graphic Documents of Preliminary Data					
A. Plot Deeds, Leases, Joint Use Agmts, Easements	$ 13,340.00	80%	$ 10,672.00	$ -	$ 10,672.00
B. Analyze Plot to Identify Problem Areas	$ 4,860.00	80%	$ 3,888.00	$ -	$ 3,888.00
4. Preliminary Report and Presentation	$ 3,372.00	0%	$ -	$ -	
5. Perform Field Surveys					
A. Establish Control Points	$ 8,140.00	20%	$ 1,628.00	$ -	$ 1,628.00
B. Locate Property Corners & Evidence of Leaseholds	$ 15,160.00	20%	$ 3,032.00	$ -	$ 3,032.00
C. Locate Buildings, Utilities and Structures					
Locate Buildings and Structures	$ 21,700.00	10%	$ 2,170.00	$ -	$ 2,170.00
Subsurface Utility Engineering					
Level D	$ 8,778.00	0%	$ -	$ -	$ -
Level C	$ 17,936.00	0%	$ -	$ -	$ -
Level B	$ 25,756.00	0%	$ -	$ -	$ -
6. Perform Office Work to Process Data					
A. Download and Analyse Data for Boundary	$ 8,832.00	0%	$ -	$ -	$ -
B. Perform CAD Work for Boundary					
Overall Boundary	$ 9,666.00	0%	$ -	$ -	$ -
Individual Lease Area Drawing and Description	$ 20,048.00	0%	$ -	$ -	$ -
Joint Use Agreements Drawing and Description	$ 7,448.00	0%	$ -	$ -	$ -
Easements Drawing and Description	$ 4,648.00	0%	$ -	$ -	$ -
7. Monument the Boundaries of Airport and Leaseholds					
A. Perform Office Work to Prepare Stakeout Files	$ 1,760.00	0%	$ -	$ -	$ -
B. Perform Field Work to Set Monuments	$ 7,260.00	0%	$ -	$ -	$ -
8. Prepare Final Surveyor's Report					
A. Prepare Final Report	$ 4,652.00	0%	$ -	$ -	$ -
B. Present Report to Town Council	$ 1,852.00	0%	$ -	$ -	$ -
SUB-TOTAL	$ 219,764.00	22%	$ 48,364.40	$ -	$ 48,364.40
II. Non-Labor					
1. Reproduction	$ 1,500.00	19%	$ -	$ -	$ 286.00
2. UHF Handheld Radio for Safety	$ 600.00	65%	$ -	$ -	$ 389.00
3. GPS/Computer Time	$ 28,000.00	19%	$ -	$ -	$ 5,320.00
4. Meetings	$ 2,000.00	18%	$ -	$ -	$ 350.00
SUB-TOTAL	$ 32,100.00	20%	$ -	$ -	$ 6,345.00
TOTAL DUE THIS INVOICE					**$ 54,709.40**

All Payments are due upon receipt, 1.5% interest per month will be applied after 30 days.

O.K. to PAY
SLC
6/28/0

dalserv\debra\0107\contracts\1107.6.26.01
17311 DALLAS PKWY / STE 200 / DALLAS, TX 75248 / 972-250-2727 / FAX 972-250-4774
222 W. EXCHANGE / FT. WORTH, TX 76101 / 817-626-8777 / FAX 817-626-5777
www.dal-tech.com

Post-it® Fax Note 7671	Date 5-11-01	# of pages ▶ 1
To Steve Chutchian	From Robert Haney	
Co./Dept. Addison	Co. Dal-Tech	
Phone # 972 450 2836	Phone # 972 250 2727	
Fax # 972 450 2837	Fax # 972 250 4774	



TOWN OF ADDISON

PUBLIC WORKS DEPARTMENT (972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010 16801 Westgrove

March 13, 2001

Mr. Raul Wong, Jr., R.P.L.S., P.E.
Principal-in-Charge
Halff Associates
8616 Northwest Plaza Drive
Dallas, Texas 75225

Re: Surveying Services

Dear Mr. Wong:

This is to advise that DAL-TECH Engineering, Inc. has been selected to provide surveying services for our Addison Airport Boundary Survey project. Thank you for your response to the request for qualifications. We appreciate the time and effort you took to respond and hope that you will continue to pursue future work with the Town of Addison.

Sincerely,

Steven J. Chutchian

Steven Z. Chutchian, P.E.
Assistant City Engineer

Cc: Chris Terry, Assistant City Manager
Mike Murphy, Director of Public Works
Jim Pierce, Assistant Director of Public Works

TOWN OF ADDISON ®

PUBLIC WORKS DEPARTMENT (972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010 16801 Westgrove

March 13, 2001

Mr. Lyndon M. "Bud" Hodgin, R.P.L.S.
Senior Associate
Manager of Surveying Services
Garcia & Associates Engineering, Inc.
6850 Manhattan Boulevard, Suite 300
Fort Worth, Texas 76120

Re: Surveying Services

Dear Mr. Hodgin:

This is to advise that DAL-TECH Engineering, Inc. has been selected to provide surveying services for our Addison Airport Boundary Survey project. Thank you for your response to the request for qualifications. We appreciate the time and effort you took to respond and hope that you will continue to pursue future work with the Town of Addison.

Sincerely,

Steven Z. Chutchian, P.E.
Assistant City Engineer

Cc: Chris Terry, Assistant City Manager
Mike Murphy, Director of PublicWorks
Jim Pierce, Assistant Director of PublicWorks

TOWN OF ADDISON

PUBLIC WORKS DEPARTMENT (972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010 16801 Westgrove

March 13, 2001

Mr. Thomas W. Mauk, R.P.L.S.
PBS & J
13800 Montfort Drive, Suite 230
Dallas, Texas 75240

Re: Surveying Services

Dear Mr. Mauk:

This is to advise that DAL-TECH Engineering, Inc. has been selected to provide surveying services for our Addison Airport Boundary Survey project. Thank you for your response to the request for qualifications. We appreciate the time and effort you took to respond and hope that you will continue to pursue future work with the Town of Addison.

Sincerely,

Steven J. Chutchian

Steven Z. Chutchian, P.E.
Assistant City Engineer

Cc: Chris Terry, Assistant City Manager
Mike Murphy, Director of PublicWorks
Jim Pierce, Assistant Director of PublicWorks

TOWN OF ADDISON

PUBLIC WORKS DEPARTMENT (972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010 16801 Westgrove

March 13, 2001

Mr. Aubrey C. Adcock, Jr., P.E., R.P.L.S.
Senior Vice President
Huitt-Zollars, Inc.
3131 McKinney Ave., Suite 600, LB 105
Dallas, Texas 75204-2489

Re: Surveying Services

Dear Mr. Adcock:

This is to advise that DAL-TECH Engineering, Inc. has been selected to provide surveying services for our Addison Airport Boundary Survey project. Thank you for your response to the request for qualifications. We appreciate the time and effort you took to respond and hope that you will continue to pursue future work with the Town of Addison.

Sincerely,

Steven Z. Chutchian, P.E.
Assistant City Engineer

Cc: Chris Terry, Assistant City Manager
Mike Murphy, Director of Public Works
Jim Pierce, Assistant Director of Public Works

TOWN OF ADDISON

PUBLIC WORKS DEPARTMENT (972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010 16801 Westgrove

March 13, 2001

Mr. Paul Rossini
Principal
NTB Associates, Inc.
2929 Carlisle Street, Suite 350
Dallas, Texas 75204

Re: Surveying Services

Dear Mr. Rossini:

This is to advise that DAL-TECH Engineering, Inc. has been selected to provide surveying services for our Addison Airport Boundary Survey project. Thank you for your response to the request for qualifications. We appreciate the time and effort you took to respond and hope that you will continue to pursue future work with the Town of Addison.

Sincerely,

Steven Z. Chutchian, P.E.
Assistant City Engineer

Cc: Chris Terry, Assistant City Manager
Mike Murphy, Director of PublicWorks
Jim Pierce, Assistant Director of PublicWorks

TOWN OF ADDISON

PUBLIC WORKS DEPARTMENT (972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010 16801 Westgrove

March 13, 2001

Mr. Ayub R. Sandhu, P.E., R.P.L.S.
President
ARS Engineers, Inc.
5910 N. Central Expressway, Suite 1000
Dallas, Texas 75206

Re: Surveying Services

Dear Mr. Sandhu:

This is to advise that DAL-TECH Engineering, Inc. has been selected to provide surveying services for our Addison Airport Boundary Survey project. Thank you for your response to the request for qualifications. We appreciate the time and effort you took to respond and hope that you will continue to pursue future work with the Town of Addison.

Sincerely,

Steven Z. Chutchian, P.E.
Assistant City Engineer

Cc: Chris Terry, Assistant City Manager
Mike Murphy, Director of Public Works
Jim Pierce, Assistant Director of Public Works

TOWN OF ADDISON

PUBLIC WORKS DEPARTMENT (972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010 16801 Westgrove

March 13, 2001

Mr. Todd J. Slaton, R.P.L.S.
Cotton Surveying Company
12000 Ford Road, Suite 180
Dallas, Texas 75234

Re: Surveying Services

Dear Mr. Slaton:

This is to advise that DAL-TECH Engineering, Inc. has been selected to provide surveying services for our Addison Airport Boundary Survey project. Thank you for your response to the request for qualifications. We appreciate the time and effort you took to respond and hope that you will continue to pursue future work with the Town of Addison.

Sincerely,

Steven J. Chutchian

Steven Z. Chutchian, P.E.
Assistant City Engineer

Cc: Chris Terry, Assistant City Manager
Mike Murphy, Director of Public Works
Jim Pierce, Assistant Director of Public Works

TOWN OF ADDISON

PUBLIC WORKS DEPARTMENT (972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010 16801 Westgrove

March 13, 2001

Mr. Robert L. Wright, P.E., R. P.L.S.
Vice President
PATE ENGINEERS
8150 Brookriver Drive, Suite S-700
Dallas, Texas 75247

Re: Surveying Services

Dear Mr. Wright:

This is to advise that DAL-TECH Engineering, Inc. has been selected to provide surveying services for our Addison Airport Boundary Survey project. Thank you for your response to the request for qualifications. We appreciate the time and effort you took to respond and hope that you will continue to pursue future work with the Town of Addison.

Sincerely,

Steven Z. Chutchian

Steven Z. Chutchian, P.E.
Assistant City Engineer

Cc: Chris Terry, Assistant City Manager
Mike Murphy, Director of Public Works
Jim Pierce, Assistant Director of Public Works

TOWN OF ADDISON
PUBLIC WORKS DEPARTMENT
Post Office Box 9010 Addison, Texas 75001-9010
(972) 450-2871
16801 Westgrove

March 13, 2001

Mr. David A. Vilbig, P.E., R.P.L.S.
President
Vilbig & Associates, Inc.
10132 Monroe Drive
Dallas, Texas 75229

Re: Surveying Services

Dear Mr. Vilbig:

This is to advise that DAL-TECH Engineering, Inc. has been selected to provide surveying services for our Addison Airport Boundary Survey project. Thank you for your response to the request for qualifications. We appreciate the time and effort you took to respond and hope that you will continue to pursue future work with the Town of Addison.

Sincerely,

Steven Z. Chutchian, P.E.
Assistant City Engineer

Cc: Chris Terry, Assistant City Manager
Mike Murphy, Director of PublicWorks
Jim Pierce, Assistant Director of PublicWorks

TOWN OF ADDISON

PUBLIC WORKS DEPARTMENT (972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010 16801 Westgrove

March 13, 2001

Mr. Mark A. Pacheco, P.E., R.P.L.S.
President
Pacheco Koch Consulting Engineers
9401 LBJ Freeway, Suite 300
Dallas, Texas 75243

Re: Surveying Services

Dear Mr. Pacheco:

This is to advise that DAL-TECH Engineering, Inc. has been selected to provide surveying services for our Addison Airport Boundary Survey project. Thank you for your response to the request for qualifications. We appreciate the time and effort you took to respond and hope that you will continue to pursue future work with the Town of Addison.

Sincerely,

Steven Z. Chutchian, P.E.
Assistant City Engineer

Cc: Chris Terry, Assistant City Manager
Mike Murphy, Director of PublicWorks
Jim Pierce, Assistant Director of PublicWorks

TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO

DATE: 1/21/02 **Claim #** _____ **Check $** 48,828.50

Vendor No. _____

Vendor Name DAL-TECH ENGINEERING, INC.

Address 17311 DALLAS PKWY., STE. 200

Address DALLAS, TEXAS 75248

Address _____

Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	($000,000.00)
#5107	12	621	56040			48,828.50

TOTAL 48,828.50

EXPLANATION ADDISON AIRPORT BOUNDARY SURVEY

Authorized Signature

Finance

DAL-TECH
ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

INVOICE NO. 5107
January 14, 2002

Mr. Steve Chutchian, P.E.
Town of Addison
16801 Westgrove
Addison, Texas 75001-9010

RE: Addison Airport Boundary Survey & Base Mapping
Addison, Texas
DTE Job No. 0107

Description	Contract Amount	Completion Percentage	Completed to Date	Previously Invoiced	Current Invoice
I. Research					
1. Gather Data and Perform Research					
A. At Town of Addison and at Addison Airport	$ 5,656.00	100%	$ 5,656.00	$ 5,373.20	$ 282.80
B. At TxDOT's Aviation Division in Austin	$ 1,628.00	100%	$ 1,628.00	$ 1,628.00	$ -
C. From County Courthouse Deed Records	$ 4,500.00	100%	$ 4,500.00	$ 4,500.00	$ -
2. Establish Control					
A. Perform GPS Surveys	$ 10,220.00	100%	$ 10,220.00	$ 10,220.00	$ -
B. Run Level Loops	$ 4,910.00	100%	$ 4,910.00	$ 4,910.00	$ -
C. Prepare Report Including "Recovery Drawings"	$ 7,642.00	100%	$ 7,642.00	$ 7,642.00	$ -
3. Compile Graphic Documents of Preliminary Data					
A. Plot Deeds, Leases, Joint Use Agmts, Easements	$ 13,340.00	100%	$ 13,340.00	$ 12,006.00	$ 1,334.00
B. Analyze Plot to Identify Problem Areas	$ 4,860.00	100%	$ 4,860.00	$ 4,860.00	$ -
4. Preliminary Report and Presentation	$ 3,372.00	100%	$ 3,372.00	$ 3,372.00	$ -
5. Perform Field Surveys					
A. Establish Control Points	$ 8,140.00	100%	$ 8,140.00	$ 8,140.00	$ -
B. Locate Property Corners & Evidence of Leaseholds	$ 15,160.00	100%	$ 15,160.00	$ 15,160.00	$ -
C. Locate Bulidings, Utilities and Structures					
Locate Bulidings and Structures	$ 21,700.00	95%	$ 20,615.00	$ 17,360.00	$ 3,255.00
Subsurface Utility Engineering					
Level D	$ 8,778.00	95%	$ 8,339.10	$ 7,022.40	$ 1,316.70
Level C	$ 17,936.00	95%	$ 17,039.20	$ 14,348.80	$ 2,690.40
Level B	$ 25,756.00	95%	$ 24,468.20	$ 20,604.80	$ 3,863.40
6. Perform Office Work to Process Data					
A. Download and Analyse Data for Boundary	$ 8,832.00	100%	$ 8,832.00	$ 8,832.00	$ -
B. Perform CAD Work for Boundary					
Overall Boundary	$ 9,666.00	100%	$ 9,666.00	$ 9,666.00	$ -
Individual Lease Area Drawing and Description	$ 20,048.00	95%	$ 19,045.60	$ 6,014.40	$ 13,031.20
Joint Use Agreements Drawing and Description	$ 7,448.00	95%	$ 7,075.60	$ 2,234.40	$ 4,841.20
Easements Drawing and Description	$ 4,648.00	95%	$ 4,415.60	$ 1,859.20	$ 2,556.40
7. Monument the Boundaries of Airport and Leaseholds					
A. Perform Office Work to Prepare Stakeout Files	$ 1,760.00	80%	$ 1,408.00	$ 1,232.00	$ 176.00
B. Perform Field Work to Set Monuments	$ 7,260.00	100%	$ 7,260.00	$ 7,260.00	$ -
8. Prepare Final Surveyor's Report					
A. Prepare Final Report	$ 4,652.00	90%	$ 4,186.80	$ 930.40	$ 3,256.40
B. Present Report to Town Council	$ 1,852.00	0%	$ -	$ -	$ -
SUB-TOTAL	$ 219,764.00	96%	$ 211,779.10	$ 175,175.60	$ 36,603.50
II. Non-Labor					
1. Reproduction	$ 1,500.00	90%	$ 1,350.00	$ 825.00	$ 525.00
2. UHF Handheld Radio for Safety	$ 600.00	100%	$ 600.00	$ 600.00	$ -
3. GPS/Computer Time	$ 28,000.00	95%	$ 26,600.00	$ 15,400.00	$ 11,200.00
4. Meetings	$ 2,000.00	85%	$ 1,700.00	$ 1,200.00	$ 500.00
SUB-TOTAL	$ 32,100.00	94%	$ 30,250.00	$ 18,025.00	$ 12,225.00
TOTAL DUE THIS INVOICE					**$ 48,828.50**

All Payments are due upon receipt, 1.5% interest per month will be applied after 30 days.

dalser\debra\0107\contracts\5107.1.14.02
17311 DALLAS PKWY / STE 200 / DALLAS, TX 75248 / 972-250-2727 / FAX 972-250-4774
222 W. EXCHANGE / FT. WORTH, TX 76101 / 817-626-8777 / FAX 817-626-5777
www.dal-tech.com

TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO

DATE: 11/14/01 **Claim #** _____ **Check $** 42,709.50

Vendor No. DAL-TECH ENGINEERING, INC.
Vendor Name 17311 DALLAS PKWY. / STE 200
Address DALLAS, TEXAS 75248
Address _____
Address _____
Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	($000,000.00)
# 4107	12	621	56040			42,709.50

TOTAL 42,709.50

EXPLANATION ADDISON AIRPORT BOUNDARY SURVEY

Steve Chutchian
Authorized Signature

Finance

DAL-TECH
ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

INVOICE NO. 4107
November 5, 2001

Mr. Steve Chutchian, P.E.
Town of Addison
16801 Westgrove
Addison, Texas 75001-9010

RE: Addison Airport Boundary Survey & Base Mapping
Addison, Texas
DTE Job No. 0107

Description	Contract Amount	Completion Percentage	Completed to Date	Previous Invoice	Current Invoice
I. Research					
1. Gather Data and Perform Research					
A. At Town of Addison and at Addison Airport	$ 5,656.00	95%	$ 5,373.20	$ 5,373.20	$ -
B. At TxDOT's Aviation Division in Austin	$ 1,628.00	100%	$ 1,628.00	$ 1,628.00	$ -
C. From County Courthouse Deed Records	$ 4,500.00	100%	$ 4,500.00	$ 4,050.00	$ 450.00
2. Establish Control					
A. Perform GPS Surveys	$ 10,220.00	100%	$ 10,220.00	$ 10,220.00	$ -
B. Run Level Loops	$ 4,910.00	100%	$ 4,910.00	$ 4,910.00	$ -
C. Prepare Report Including "Recovery Drawings"	$ 7,642.00	100%	$ 7,642.00	$ 7,642.00	$ -
3. Compile Graphic Documents of Preliminary Data					
A. Plot Deeds, Leases, Joint Use Agmts, Easements	$ 13,340.00	90%	$ 12,006.00	$ 12,006.00	$ -
B. Analyze Plot to Identify Problem Areas	$ 4,860.00	100%	$ 4,860.00	$ 4,374.00	$ 486.00
4. Preliminary Report and Presentation	$ 3,372.00	100%	$ 3,372.00	$ 1,348.80	$ 2,023.20
5. Perform Field Surveys					
A. Establish Control Points	$ 8,140.00	100%	$ 8,140.00	$ 8,140.00	$ -
B. Locate Property Corners & Evidence of Leaseholds	$ 15,160.00	100%	$ 15,160.00	$ 12,128.00	$ 3,032.00
C. Locate Bulidings, Utilities and Structures					
Locate Bulidings and Structures	$ 21,700.00	80%	$ 17,360.00	$ 13,020.00	$ 4,340.00
Subsurface Utility Engineering					
Level D	$ 8,778.00	80%	$ 7,022.40	$ 5,266.80	$ 1,755.60
Level C	$ 17,936.00	80%	$ 14,348.80	$ 10,761.60	$ 3,587.20
Level B	$ 25,756.00	80%	$ 20,604.80	$ 15,453.60	$ 5,151.20
6. Perform Office Work to Process Data					
A. Download and Analyse Data for Boundary	$ 8,832.00	100%	$ 8,832.00	$ 7,507.20	$ 1,324.80
B. Perform CAD Work for Boundary					
Overall Boundary	$ 9,666.00	100%	$ 9,666.00	$ 8,216.10	$ 1,449.90
Individual Lease Area Drawing and Description	$ 20,048.00	30%	$ 6,014.40	$ 3,007.20	$ 3,007.20
Joint Use Agreements Drawing and Description	$ 7,448.00	30%	$ 2,234.40	$ 1,489.60	$ 744.80
Easements Drawing and Description	$ 4,648.00	40%	$ 1,859.20	$ 1,162.00	$ 697.20
7. Monument the Boundaries of Airport and Leaseholds					
A. Perform Office Work to Prepare Stakeout Files	$ 1,760.00	70%	$ 1,232.00	$ 1,232.00	$ -
B. Perform Field Work to Set Monuments	$ 7,260.00	100%	$ 7,260.00	$ -	$ 7,260.00
8. Prepare Final Surveyor's Report					
A. Prepare Final Report	$ 4,652.00	20%	$ 930.40	$ -	$ 930.40
B. Present Report to Town Council	$ 1,852.00	0%	$ -	$ -	$ -
SUB-TOTAL	$ 219,764.00	80%	$ 175,175.60	$ 93,067.30	$ 36,239.50
II. Non-Labor					
1. Reproduction	$ 1,500.00	55%	$ 825.00	$ 375.00	$ 450.00
2. UHF Handheld Radio for Safety	$ 600.00	100%	$ 600.00	$ 600.00	$ -
3. GPS/Computer Time	$ 28,000.00	55%	$ 15,400.00	$ 9,800.00	$ 5,600.00
4. Meetings	$ 2,000.00	60%	$ 1,200.00	$ 780.00	$ 420.00
SUB-TOTAL	$ 32,100.00	56%	$ 18,025.00	$ 11,555.00	$ 6,470.00
TOTAL DUE THIS INVOICE					**$ 42,709.50**

All Payments are due upon receipt, 1.5% interest per month will be applied after 30 days.

O.K. to pay SLE 11/14/10

dalserv\debra\0107\contracts\4107.11.5.01
17311 DALLAS PKWY / STE 200 / DALLAS, TX 75248 / 972-250-2727 / FAX 972-250-4774
222 W. EXCHANGE / FT. WORTH, TX 76101 / 817-626-8777 / FAX 817-626-5777
www.dal-tech.com

TOWN OF ADDISON
PAYMENT AUTHORIZATION MEMO

DATE: 9/19/01 **Claim #** _____ **Check $** 46,864.40

Vendor No. _____

Vendor Name DAL-TECH ENGINEERING, INC.

Address 17311 DALLAS PKWY / STE 200

Address DALLAS, TEXAS 75248

Address _____

Zip Code _____

INVOICE # OR DESCRIPTION	FUND	DEPT	OBJ	PROJ	SAC	AMOUNT
	(00)	(000)	(00000)	(00000)	(000)	($000,000.00)
#3107	12	621	56040			46,864.40

TOTAL 46,864.40

EXPLANATION ADDISON AIRPORT BOUNDARY SURVEY

Steve Chutchian
Authorized Signature

Finance

DAL-TECH
ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

INVOICE NO. 3107
September 14, 2001

Mr. Steve Chutchian, P.E.
Town of Addison
16801 Westgrove
Addison, Texas 75001-9010

RE: Addison Airport Boundary Survey & Base Mapping
Addison, Texas
DTE Job No. 0107

Description	Contract Amount	Completion Percentage	Completed to Date	Previous Invoice	Current Invoice
I. Research					
1. Gather Data and Perform Research					
A. At Town of Addison and at Addison Airport	$ 5,656.00	95%	$ 5,373.20	$ 4,807.60	$ 565.60
B. At TxDOT's Aviation Division in Austin	$ 1,628.00	100%	$ 1,628.00	$ 1,628.00	$ -
C. From County Courthouse Deed Records	$ 4,500.00	90%	$ 4,050.00	$ 4,050.00	$ -
2. Establish Control					
A. Perform GPS Surveys	$ 10,220.00	100%	$ 10,220.00	$ 10,220.00	$ -
B. Run Level Loops	$ 4,910.00	100%	$ 4,910.00	$ 4,910.00	$ -
C. Prepare Report Including "Recovery Drawings"	$ 7,642.00	100%	$ 7,642.00	$ 6,113.60	$ 1,528.40
3. Compile Graphic Documents of Preliminary Data					
A. Plot Deeds, Leases, Joint Use Agmts, Easements	$ 13,340.00	90%	$ 12,006.00	$ 12,006.00	$ -
B. Analyze Plot to Identify Problem Areas	$ 4,860.00	90%	$ 4,374.00	$ 4,374.00	$ -
4. Preliminary Report and Presentation	$ 3,372.00	40%	$ 1,348.80	$ 1,011.60	$ 337.20
5. Perform Field Surveys					
A. Establish Control Points	$ 8,140.00	100%	$ 8,140.00	$ 4,070.00	$ 4,070.00
B. Locate Property Corners & Evidence of Leaseholds	$ 15,160.00	80%	$ 12,128.00	$ 7,580.00	$ 4,548.00
C. Locate Bulidings, Utilities and Structures					
Locate Buildings and Structures	$ 21,700.00	60%	$ 13,020.00	$ 5,425.00	$ 7,595.00
Subsurface Utility Engineering					
Level D	$ 8,778.00	60%	$ 5,266.80	$ 4,389.00	$ 877.80
Level C	$ 17,936.00	60%	$ 10,761.60	$ -	$ 10,761.60
Level B	$ 25,756.00	60%	$ 15,453.60	$ -	$ 15,453.60
6. Perform Office Work to Process Data					
A. Download and Analyse Data for Boundary	$ 8,832.00	85%	$ 7,507.20	$ 7,507.20	$ -
B. Perform CAD Work for Boundary					
Overall Boundary	$ 9,666.00	85%	$ 8,216.10	$ 8,216.10	$ -
Individual Lease Area Drawing and Description	$ 20,048.00	15%	$ 3,007.20	$ 3,007.20	$ -
Joint Use Agreements Drawing and Description	$ 7,448.00	20%	$ 1,489.60	$ 1,489.60	$ 0.00
Easements Drawing and Description	$ 4,648.00	25%	$ 1,162.00	$ 464.80	$ 697.20
7. Monument the Boundaries of Airport and Leaseholds					
A. Perform Office Work to Prepare Stakeout Files	$ 1,760.00	70%	$ 1,232.00	$ 1,232.00	$ -
B. Perform Field Work to Set Monuments	$ 7,260.00	0%	$ -	$ -	$ -
8. Prepare Final Surveyor's Report					
A. Prepare Final Report	$ 4,652.00	0%	$ -	$ -	$ -
B. Present Report to Town Council	$ 1,852.00	0%	$ -	$ -	$ -
SUB-TOTAL	$ 219,764.00	63%	$ 138,936.10	$ 93,067.30	$ 46,434.40
II. Non-Labor					
1. Reproduction	$ 1,500.00	25%	$ 375.00	$ 375.00	$ -
2. UHF Handheld Radio for Safety	$ 600.00	100%	$ 600.00	$ 600.00	$ -
3. GPS/Computer Time	$ 28,000.00	35%	$ 9,800.00	$ 9,800.00	$ -
4. Meetings	$ 2,000.00	39%	$ 780.00	$ 350.00	$ 430.00
SUB-TOTAL	$ 32,100.00	36%	$ 11,555.00	$ 11,125.00	$ 430.00
TOTAL DUE THIS INVOICE					**$ 46,864.40**

All Payments are due upon receipt, 1.5% interest per month will be applied after 30 days.

O.K. to PAY
SZ
9/19/01

17311 DALLAS PKWY / STE 200 / DALLAS, TX 75248 / 972-250-2727 / FAX 972-250-4774
222 W. EXCHANGE / FT. WORTH, TX 76101 / 817-626-8777 / FAX 817-626-5777
www.dal-tech.com

Addison!

4/16/01

STEVEN Z. CHUTCHIAN, P.E.
Assistant City Engineer
(972) 450-2886
(972) 450-2837 FAX
(214) 673-2518 Mobile
schutchian@ci.addison.tx.us E-mail

Town of Addison 16801 Westgrove Dr. P.O. Box 9010, Addison, Texas 75001-9010

MIKE – ATTACHED IS THE PROPOSAL (2 ORIGINALS) FOR THE PROPOSED ADDISON AIRPORT BOUNDARY SURVEY. BASED ON THE SCOPE OF WORK WE REQUIRE, THE ORIGINAL TOTAL FEE SUBMITTED BY DAL-TECH WAS APPROX. $306,000. WE WERE ABLE TO MAINTAIN THE SAME SCOPE OF WORK AND REDUCE THE TOTAL FEE TO $251,864. I WAS ABLE TO DISCUSS THIS FINAL VERSION OF THE PROPOSAL W/ JIM P. BEFORE HE LEFT ON FRIDAY. IF YOU CONCUR W/ THE COVER MEMO, WE CAN FORWARD THIS TO BILL SHIPP IN THE MORNING. DAL-TECH IS PREPARED TO ATTEND THE COUNCIL MTG. THANKS!

Steve C.

April 16, 2001

MEMORANDUM

To: Chris Terry, Assistant City Manager

Through: Mike Murphy, P.E., Director of Public Works

From: Steve Chutchian, P.E., Assistant City Engineer SEC

Cc: Jim Pierce, P.E., Assistant Director of Public Works

Subject: Addison Airport Boundary Survey
Proposal for Surveying Services

As a requirement for the permanent operation of the Addison Airport by the Town, it is necessary to perform a new boundary survey of the airport property. The attached proposal represents a scope and fee proposal from the firm of DAL-TECH Engineering, Inc., in the amount of $251,864.00, for the completion of the proposed boundary survey. The total scope of work includes the following components:

a. Performing research of Town, County, State or other documents related to the airport property, leaseholders, etc.
b. Performing GPS surveys to establish control on permanent monuments.
c. Compiling graphic documents of data and plotting deeds, leases, joint use agreements, easements, etc.
d. Performing field surveys, including establishment of horizontal and vertical control points, and locating existing monumentation, lease holdings, existing buildings, utilities, taxiways, runways, fences, roads, and structures.
e. Performing CAD work necessary to prepare boundary survey/base map of the airport site.
f. Preparing a final surveyor's report with all support documentation.

The boundary survey will be financed from the Airport Fund.

It is recommended that the Council approve a proposal from DAL-TECH Engineering, Inc. in the amount of $251,864.00, for surveying services related to the Addison Airport Boundary Survey.

AGREEMENT FOR PROFESSIONAL SERVICES
Between DAL-TECH Engineering, Inc. and Town of Addison

THIS AGREEMENT, entered into at **Addison, Dallas County, Texas**, on the **17th** day of **April**, **2001**, by and between **Town of Addison**, hereinafter called "CLIENT," and **DAL-TECH Engineering, Inc.**, a Dallas corporation, hereinafter called "DAL-TECH," is as follows:

The CLIENT engages DAL-TECH to perform professional services for a project described as **Survey and Utility Mapping Services for Addison airport, hereinafter called the "Project."**

The CLIENT and DAL-TECH, for mutual consideration hereinafter set forth, agree as follows:

A. DAL-TECH agrees to provide and perform certain professional services for CLIENT upon the Project as follows: **See Attached Exhibit "A" (Scope of Services).**

B. CLIENT agrees to pay DAL-TECH as compensation for its services as follows: **Lump Sum fee $251,864.00 for listed services on attached Exhibit "B" to be paid monthly as the work progresses.**

C. Period in which services are to be rendered: **Eight (8) Months**

1. **AUTHORIZATION FOR WORK TO PROCEED**
Signing of this AGREEMENT for services shall be authorization by the CLIENT for DAL-TECH to proceed with the work, unless stated otherwise in the WORK AUTHORIZATION/AGREEMENT.

2. **STANDARD OF PRACTICE**
Services performed by DAL-TECH under this AGREEMENT will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation, expressed or implied, and no warranty or guarantee is included or intended in this AGREEMENT, or in any report, opinion, document or otherwise.

3. **BILLING AND PAYMENT**
The CLIENT, recognizing that timely payment is a material part of the consideration of this AGREEMENT, shall pay DAL-TECH for services performed in accordance with the rates and charges set forth herein. Invoices will be submitted by DAL-TECH on a monthly basis and shall be due and payable within thirty (30) calendar days of invoice date. If the CLIENT objects to all or any portion of an invoice, the CLIENT shall so notify DAL-TECH in writing within ten (10) calendar days of receipt of the bill in question, and pay when due that portion of the invoice, not in dispute.

4. **LIMITATION OF LIABILITY**
In order for the CLIENT to obtain the benefits of a fee which includes a lesser allowance for risk funding, the CLIENT agrees to limit DAL-TECH's liability arising from DAL-TECH's professional acts, errors or omissions, such that the total aggregate liability of DAL-TECH shall not exceed DAL-TECH's total fee for the services rendered on this project.

5. **CONSEQUENTIAL DAMAGES**
The CLIENT shall not be liable to DAL-TECH and DAL-TECH shall not be liable to the CLIENT for any consequential damages incurred by either due to the fault of the other, regardless of the nature of this fault, or whether it was committed by the CLIENT or DAL-TECH, their employees, agents or subcontractors. Consequential damaged include, but are not limited to loss of use and loss of profit.

6. **TERMINATION**
In the event termination becomes necessary, the party (CLIENT or DAL-TECH) effecting termination shall so notify the other party and termination shall so notify the other party and termination will become effective fourteen (14) calendar days after receipt of the termination notice. Irrespective of which party shall effect termination or the cause of termination, the CLIENT shall within thirty (30) calendar days of termination remunerate DAL-TECH for services rendered and costs incurred up to the effective time of termination, in accordance with DAL-TECH's prevailing fee schedule and expense reimbursement policy.

7. **ADDITIONAL SERVICES**
Any services beyond those specified will be provided for separately under an additional Work Authorization or amended Work Authorization.

IF ANY ONE OR MORE OF THE PROVISIONS CONTAINDED IN THIS AGREEMENT SHALL BE HELD UNENFORCEABLE, THE ENFORCEABILITY OF THE REMAINING PROVISIONS SHALL NOT BE IMPAIRED.

IN WITNESS WHEREOF, the parties hereto have accepted, made and executed this agreement upon the terms, conditions, and provisions above stated, and on the reverse side hereof, the day and year first above written.

DAL-TECH Engineering, Inc. Officer	Town of Addison, Client
Signature: _____	Signature: _____
By: Sedi Toumani	By: _____
Title: PRESIDENT	Title: _____

Exhibit A

ADDISON AIRPORT BOUNDARY SURVEY AND BASE MAPPING SCOPE OF WORK

DAL-TECH Engineering, Inc. has been asked to prepare a scope of work and an estimate of probable cost for preparing a boundary survey and a base map of selected features of the Addison Airport property. Included in the boundary survey are locating the approximately 65 ground leases on the airport, the through-the-fence leases, joint use agreements, and easements affecting the property.

Optionally, DTE can also produce individual lease exhibits if desired.

The base map will show all buildings, taxiways, runways, fences, and streets within or immediately adjacent to the airport boundary. In addition, utilities such as water, wastewater, storm sewer, electric, gas, and telephone can be located at an optional level of quality as explained in more detail below.

The detailed scope of services to accomplish these goals is set out as follows:

1. Gather data and perform research:

A. At Town of Addison and at Addison Airport

DTE staff will coordinate with Town of Addison staff in both Public Works and at Addison Airport to gather existing documents, plans, maintenance records, electronic files, and any other information that will aid in the preparation of the boundary survey, leasehold establishment, and base mapping.

B. At TxDOT's Aviation Division in Austin

DTE staff will obtain any relevant information about Addison Airport from Charlotte Bergfeld or her designated representative in TxDOT's Aviation Division in Austin.

C. From County Courthouse Deed Records

We will use an outside professional abstracting service to gather the public records research for us. Although several of our DTE staff are very proficient in using the Dallas County Deed Records, abstracting professionals have access to easement databases that allow them to do thorough easement searches that we are unable to do. We plan to avail ourselves of this expertise.

Deliverables: DTE will prepare a document control system for the project and establish files containing relevant documents.

2. Establish Control

A. Perform GPS surveys and office processing to establish secondary control on permanent monuments.

There are several high-order monuments on the airfield established as part of the National Geodetic Survey's Primary Airport Control Station (PACS) and Secondary Airport Control Station (SACS) program. We will use these monuments as our primary control points for the project. We will establish six additional secondary control points, which will be constructed to a Town of Addison and DTE mutually approved design at mutually agreed upon locations.

Classical static GPS surveying techniques will be used to record satellite observation files at each of the primary and secondary control points and at selected vertical benchmarks on the airfield. Constraining the resultant network to the National Geodetic Survey monuments' data, we will perform office post-processing to determine the geodetic coordinates, the NAD 83 (1993) Texas North Central Zone (4202) State Plane Coordinates, and the PACS NAVD88 orthometric height for each of the stations in the network.

B. Run level loops as necessary to incorporate existing vertical information.

The vertical datum for the PACS / SACS points is GPS-derived NAVD88 orthometric heights. These orthometric heights are published to centimeter precision (~0.03') and are considered to be that precise in relation to other PACS / SACS stations but not necessarily in relation to other NAVD88 known points in the area. Therefore, we need to incorporate some of the "local" benchmarks to ensure that our GPS vertical model works properly.

C. Prepare a report including "recovery drawings" showing each monument, its physical location, its data, and its metadata on an individual drawing for each monument.

After all of the above GPS work and leveling has been completed, DTE will compile a brief report documenting the GPS work and the associated statistics. The report will contain "recovery drawings" showing each monument, its physical location, its data, and its metadata on an individual drawing for each monument.

Deliverables: Meet with the Town Staff to deliver and discuss the GPS Report with a "recovery drawing" for each monument.

3. **Compile graphic documents of preliminary data.**

   A. **Plot deeds, leases, "through the fence" leases, easements, joint use agreements, TxDOT information, and plan data in a digital (AutoCad or Microstation) file.**

   Using the data gathered in Item 1, above, we will prepare a preliminary work map compiling the known facts concerning the location and extent of airport fee ownership, leases, utility easements, joint use agreements, aviation limitations and easements, engineering data, and other knowledge gained during the data gathering and research activities.

   B. **Analyze plot to identify any problem areas needing special attention and curative work.**

   Special attention will be paid to possible conflicts and problem areas. Those items that are not locatable due to poor or ambiguous description will be identified for special attention. These items will be added to the preliminary work map to the degree possible for the orderly and efficient prosecution of the fieldwork.

   Deliverables: **the preliminary work map in CAD format.**

4. **Prepare a preliminary report and present it to the Town of Addison**

   Prepare a formal report describing our findings and identifying those items from the data collected that need further attention or definition. Attend a formal meeting with the Town of Addison staff to present the report and mutually to define "action items" for the Town of Addison and the DTE staff.

   Deliverables: meet with the Town Staff to present our Preliminary Report on research.

5. **Perform field surveys**

   A. **Establish three-dimensional tertiary control points for use in making boundary ties and mapping.**

   Working from the primary and secondary control points, DTE field crews will use GPS and conventional methods to establish tertiary control points for use in tying property corners and in mapping. Although these points will be of such permanence as to survive the project, they will not be published formally beyond the documentation in our project files.

B. Locate property corners and evidence of leaseholds using the preliminary work map as a guide.

Our crews will use the tertiary control points to locate and tie all evidence of fee simple boundaries and of leaseholds. Artificial monuments recited in deeds will be searched out. The evidence will be tied to the project coordinate system.

C. Locate in three dimensions all buildings, taxiways, runways, fences, streets, and utilities within or immediately adjacent to the airport boundary.

In addition to locating boundary corners, DTE personnel will locate buildings, taxiways, crossovers, runways, fences, streets, and utilities (water, wastewater, storm sewer, electric, gas, telephone). Our involvement with utility location can be very limited or very extensive as reflected in the four-tiered ***Subsurface Utility Engineering (SUE)*** options stated below:

Quality Level D –	*DTE personnel can conduct "records search" to obtain information on utilities solely from existing utility records.*
Quality Level C-	*DTE can perform a "surface visible feature survey" to locate visible aboveground utility facilities such as manholes, valve boxes, posts and to correlate this information with existing utility records.*
Quality Level B-	*DTE can utilize the application and interpretation of surface geophysical techniques which include electromagnetic, magnetic, and elastic wave methods to designate the presence and approximate horizontal location of underground utilities.*
Quality Level A-	*DTE can characterize a utility's spatial position, composition, condition, size, and other data that may be reasonably available about the utility and its surrounding environment through its exposure by non-destructive excavation techniques, such as air/vacuum extraction.*

Optionaly, DTE's level of involvement for Subsurface Utility Engineering (SUE) should be determined by the Town of Addison.

Deliverables: Meet with the Town Staff to deliver copies of work notes, sketches, ASCII files, etc.

6. Perform office work to process and refine field data into graphic documents.

A. Download data collectors, make calculations, and perform analysis and further research to establish property boundaries, encroachments, protrusions, leasehold limits, and easement locations.

After the field evidence is gathered, the data will be downloaded, processed against our control information, and imported to the project database for analysis.

Inevitably, this analysis leads to a secondary level of courthouse research to clarify issues that have become apparent. DTE will provide the services to gain these materials.

Once boundary lines have been established, an analysis of the spatial relationship between boundaries and improvements will be made to identify any encroachments or protrusions of improvements that may exist.

Leases, joint use agreements, through-the-fence leases, and easements will then be harmonized to the boundaries and the improvements, and, finally, a fieldnote description of the Airport property will be prepared.

B. Perform CAD work necessary to prepare a boundary survey / base map presenting the results of the surveying.

The graphic documents presenting the results of the survey will be prepared in CAD format. The drawings will be "layered" to segregate thematically related data items on the same layer to facilitate the preparation of specialized exhibits in the future.

All of the data gathered will reside in this graphic environment, and multiple drawings may be produced at the Town's request.

Optionally, individual lease exhibits and descriptions can be prepared.

Deliverables: Meet with the Town Staff to provide hardcopies and digital versions of the graphic documents prepared.

7. Monument the boundaries of the airport and the leaseholds.

A. Perform office work to prepare stakeout files for the field crews.

Data collector files will be prepared for the crews to use to set out the corners.

B. Perform field work to set monuments (rebar with plastic caps) at all feasible boundary corners and at leasehold corners if requested by Addison Airport staff.

DTE field crews will set out 5/8" diameter 24" long rebar monuments with plastic caps at angle points in the fee simple boundary where no found monument exists.

Optionally, DTE crews can set out the same type of monument at lease corners if desired by the Town of Addison.

Deliverables: Monuments set in the field.

8. Prepare a final surveyor's report to present to the Town of Addison.

A. Prepare a final report having the following structure:

1. Executive Summary stating the project scope, objectives, and results.
2. A narrative describing the data gathering activities, preparation of the working sketch, and the conclusions drawn from the documents gathered.
3. Minutes of the formal meeting with the Town of Addison for the presentation of the preliminary report, the action items defined in that meeting, and the actions taken.
4. Formal surveyor's report addressing the research issues, the results of the field work, the interpretation of the evidence gathered, and the professional opinions drawn from that evidence.
5. The boundary survey / base map, signed and sealed, and, optionally, lease exhibits on individual leases.
6. Appendices
    a. A list of all documents gathered, their relevance, and their provenance.
    b. Copies of airport vesting deeds
    c. Copies of lease agreements

d. Monument location sketches, metadata, and horizontal / vertical data for all GPS secondary control monuments that were established.

B. Make a formal presentation to the Town Council of the results.

Deliverables: Electronic and Hard Copies of Final Report, Survey and Sorted Lease Documents

ADDISON AIRPORT SURVEY SERVICES BY DAL-TECH E

	$135.00		$100.00		$60.00		$
	PRINCIPAL		RPLS		SURVEY TECH		SEC
TASKS	Hours	Cost	Hours	Cost	Hours	Cost	Hours
I. Research							
1. Gather Data and Perform Research							
A. At Town of Addison and at Addison Airport	0	$0	40	$4,000	24	$1,440	
B. At TxDOT's Aviation Division in Austin	0	$0	8	$800	12	$720	
C. From County Courthouse Deed Records	0	$0	0	$0	0	$0	
2. Establish Control							
A. Perform GPS Surveys	0	$0	32	$3,200	12	$720	
B. Run Level Loops	2	$270	8	$800	8	$480	
C. Prepare Report Including "Recovery Drawings"	6	$810	40	$4,000	40	$2,400	
3. Compile Graphic Documents of Preliminary Data							
A. Plot Deeds, Leases, Joint Use Agreements, Easements, etc.	4	$540	80	$8,000	80	$4,800	
B. Analyze Plot to Identify Problem Areas	4	$540	24	$2,400	32	$1,920	
4. Preliminary Report and Presentation	4	$540	24	$2,400	0	$0	
5. Perform Field Surveys							
A. Establish Control Points	4	$540	16	$1,600	16	$960	
B. Locate Property Corners & Evidence of Leaseholds	0	$0	16	$1,600	16	$960	
C. Locate Buildings, Utilities and Structures							
Locate Buildings and Structures	0	$0	16	$1,600	20	$1,200	
Subsurface Utility Engineering							
Level D	2	$270	24	$2,400	40	$2,400	
Level C	4	$540	32	$3,200	80	$4,800	
Level B	4	$540	40	$4,000	80	$4,800	
6. Perform Office Work to Process Data							
A. Download and Analyse Data for Boundary	0	$0	48	$4,800	60	$3,600	
B. Perform CAD Work for Boundary							
Overall Boundary	0	$0	24	$2,400	100	$6,000	
Individual Lease Area Drawing and Description	4	$540	86	$8,600	180	$10,800	
Joint Use Agreements Drawing and Description	4	$540	32	$3,200	60	$3,600	
Easements Drawing and Description	4	$540	16	$1,600	40	$2,400	
7. Monument the Boundaries of Airport and Leaseholds (if required)							
A. Perform Office Work to Prepare Stakeout Files	0	$0	8	$800	16	$960	
B. Perform Field Work to Set Monuments	0	$0	0	$0	16	$960	
8. Prepare Final Surveyor's Report							
A. Prepare Final Report	4	$540	32	$3,200	8	$480	
B. Present Report to Town Council	4	$540	4	$400	8	$480	
SUB-TOTAL	64	$7,290	650	$65,000	948	$56,880	
II. Non-Labor							
1. Reproduction							
2. UHF Handheld Radio for Safety							
3. GPS/Computer Time							
4. Meetings							
SUB-TOTAL	0	$0	0	$0	0	$0	
TOTAL							

Projected Pay-Out Schedule
Addison Airport Boundary Survey

Item	Time	Value
Gather Data & Perform Research	½ mo.	$11,784
Establish Control	1 mo.	23,022
Compile Graphic Documents of Prel. Data	1 mo.	27,200
Preliminary Report & Presentation	½ mo.	4,372
Perform Field Surveys	2 ½ mo.	97,770
Perform Office Work to Process Data	1 mo.	59,642
Monument Boundaries of Airport & Leaseholds	1 mo.	18,020
Prepare Final Surveyor's Report	½ mo.	10,054

Month	Projected Payout
1	$23,295
2	25,111
3	17,972
4	39,108
5	39,108
6	49,375
7	38,831
8	19,064
Total	$251,864

PRELIMINARY

AGREEMENT FOR PROFESSIONAL SERVICES

Between DAL-TECH Engineering, Inc. and Town of Addison

THIS AGREEMENT, entered into at **Addison, Dallas County, Texas**, on the **17th** day of **April**, **2001**, by and between **Town of Addison**, hereinafter called "CLIENT," and **DAL-TECH Engineering, Inc.**, a Dallas corporation, hereinafter called "DAL-TECH," is as follows:

The CLIENT engages DAL-TECH to perform professional services for a project described as **Survey and Utility Mapping Services for Addison airport, hereinafter called the "Project."**

The CLIENT and DAL-TECH, for mutual consideration hereinafter set forth, agree as follows:

A. DAL-TECH agrees to provide and perform certain professional services for CLIENT upon the Project as follows: **See Attached Exhibit "A" (Scope of Services).**

B. CLIENT agrees to pay DAL-TECH as compensation for its services as follows: **Lump Sum fee $251,864.00 for listed services on attached Exhibit "B" to be paid monthly as the work progresses.**

C. Period in which services are to be rendered: **See Attached Exhibit "C" (Schedule).**

1. **AUTHORIZATION FOR WORK TO PROCEED**
Signing of this AGREEMENT for services shall be authorization by the CLIENT for DAL-TECH to proceed with the work, unless stated otherwise in the WORK AUTHORIZATION/AGREEMENT.

2. **STANDARD OF PRACTICE**
Services performed by DAL-TECH under this AGREEMENT will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. No other representation, expressed or implied, and no warranty or guarantee is included or intended in this AGREEMENT, or in any report, opinion, document or otherwise.

3. **BILLING AND PAYMENT**
The CLIENT, recognizing that timely payment is a material part of the consideration of this AGREEMENT, shall pay DAL-TECH for services performed in accordance with the rates and charges set forth herein. Invoices will be submitted by DAL-TECH on a monthly basis and shall be due and payable within thirty (30) calendar days of invoice date. If the CLIENT objects to all or any portion of an invoice, the CLIENT shall so notify DAL-TECH in writing within ten (10) calendar days of receipt of the bill in question, and pay when due that portion of the invoice, not in dispute.

4. **LIMITATION OF LIABILITY**
In order for the CLIENT to obtain the benefits of a fee which includes a lesser allowance for risk funding, the CLIENT agrees to limit DAL-TECH's liability arising from DAL-TECH's professional acts, errors or omissions, such that the total aggregate liability of DAL-TECH shall not exceed DAL-TECH's total fee for the services rendered on this project.

5. **CONSEQUENTIAL DAMAGES**
The CLIENT shall not be liable to DAL-TECH and DAL-TECH shall not be liable to the CLIENT for any consequential damages incurred by either due to the fault of the other, regardless of the nature of this fault, or whether it was committed by the CLIENT or DAL-TECH, their employees, agents or subcontractors. Consequential damaged include, but are not limited to loss of use and loss of profit.

6. **TERMINATION**
In the event termination becomes necessary, the party (CLIENT or DAL-TECH) effecting termination shall so notify the other party and termination shall so notify the other party and termination will become effective fourteen (14) calendar days after receipt of the termination notice. Irrespective of which party shall effect termination or the cause of termination, the CLIENT shall within thirty (30) calendar days of termination remunerate DAL-TECH for services rendered and costs incurred up to the effective time of termination, in accordance with DAL-TECH's prevailing fee schedule and expense reimbursement policy.

7. **ADDITIONAL SERVICES**
Any services beyond those specified will be provided for separately under an additional Work Authorization or amended Work Authorization.

IF ANY ONE OR MORE OF THE PROVISIONS CONTAINDED IN THIS AGREEMENT SHALL BE HELD UNENFORCEABLE, THE ENFORCEABILITY OF THE REMAINING PROVISIONS SHALL NOT BE IMPAIRED.

IN WITNESS WHEREOF, the parties hereto have accepted, made and executed this agreement upon the terms, conditions, and provisions above stated, and on the reverse side hereof, the day and year first above written.

DAL-TECH Engineering, Inc. Officer	Town of Addison, Client
Signature: _____	Signature: _____
By: _____	By: _____
Title: _____	Title: _____

Exhibit A

ADDISON AIRPORT BOUNDARY SURVEY AND BASE MAPPING SCOPE OF WORK

DAL-TECH Engineering, Inc. has been asked to prepare a scope of work and an estimate of probable cost for preparing a boundary survey and a base map of selected features of the Addison Airport property. Included in the boundary survey are locating the approximately 65 ground leases on the airport, the through-the-fence leases, joint use agreements, and easements affecting the property.

Optionally, DTE can also produce individual lease exhibits if desired.

The base map will show all buildings, taxiways, runways, fences, and streets within or immediately adjacent to the airport boundary. In addition, utilities such as water, wastewater, storm sewer, electric, gas, and telephone can be located at an optional level of quality as explained in more detail below.

The detailed scope of services to accomplish these goals is set out as follows:

1. Gather data and perform research:

A. At Town of Addison and at Addison Airport

DTE staff will coordinate with Town of Addison staff in both Public Works and at Addison Airport to gather existing documents, plans, maintenance records, electronic files, and any other information that will aid in the preparation of the boundary survey, leasehold establishment, and base mapping.

B. At TxDOT's Aviation Division in Austin

DTE staff will obtain any relevant information about Addison Airport from Charlotte Bergfeld or her designated representative in TxDOT's Aviation Division in Austin.

C. From County Courthouse Deed Records

We will use an outside professional abstracting service to gather the public records research for us. Although several of our DTE staff are very proficient in using the Dallas County Deed Records, abstracting professionals have access to easement databases that allow them to do thorough easement searches that we are unable to do. We plan to avail ourselves of this expertise.

Deliverables: DTE will prepare a document control system for the project and establish files containing relevant documents.

2. Establish Control

A. Perform GPS surveys and office processing to establish secondary control on permanent monuments.

There are several high-order monuments on the airfield established as part of the National Geodetic Survey's Primary Airport Control Station (PACS) and Secondary Airport Control Station (SACS) program. We will use these monuments as our primary control points for the project. We will establish six additional secondary control points, which will be constructed to a Town of Addison and DTE mutually approved design at mutually agreed upon locations.

Classical static GPS surveying techniques will be used to record satellite observation files at each of the primary and secondary control points and at selected vertical benchmarks on the airfield. Constraining the resultant network to the National Geodetic Survey monuments' data, we will perform office post-processing to determine the geodetic coordinates, the NAD 83 (1993) Texas North Central Zone (4202) State Plane Coordinates, and the PACS NAVD88 orthometric height for each of the stations in the network.

B. Run level loops as necessary to incorporate existing vertical information.

The vertical datum for the PACS / SACS points is GPS-derived NAVD88 orthometric heights. These orthometric heights are published to centimeter precision (~0.03') and are considered to be that precise in relation to other PACS / SACS stations but not necessarily in relation to other NAVD88 known points in the area. Therefore, we need to incorporate some of the "local" benchmarks to ensure that our GPS vertical model works properly.

C. Prepare a report including "recovery drawings" showing each monument, its physical location, its data, and its metadata on an individual drawing for each monument.

After all of the above GPS work and leveling has been completed, DTE will compile a brief report documenting the GPS work and the associated statistics. The report will contain "recovery drawings" showing each monument, its physical location, its data, and its metadata on an individual drawing for each monument.

Deliverables: Meet with the Town Staff to deliver and discuss the GPS Report with a "recovery drawing" for each monument.

3. **Compile graphic documents of preliminary data.**

   A. **Plot deeds, leases, "through the fence" leases, easements, joint use agreements, TxDOT information, and plan data in a digital (AutoCad or Microstation) file.**

   Using the data gathered in Item 1, above, we will prepare a preliminary work map compiling the known facts concerning the location and extent of airport fee ownership, leases, utility easements, joint use agreements, aviation limitations and easements, engineering data, and other knowledge gained during the data gathering and research activities.

   B. **Analyze plot to identify any problem areas needing special attention and curative work.**

   Special attention will be paid to possible conflicts and problem areas. Those items that are not locatable due to poor or ambiguous description will be identified for special attention. These items will be added to the preliminary work map to the degree possible for the orderly and efficient prosecution of the fieldwork.

Deliverables: the preliminary work map in CAD format.

4. **Prepare a preliminary report and present it to the Town of Addison**

Prepare a formal report describing our findings and identifying those items from the data collected that need further attention or definition. Attend a formal meeting with the Town of Addison staff to present the report and mutually to define "action items" for the Town of Addison and the DTE staff.

Deliverables: meet with the Town Staff to present our Preliminary Report on research.

5. **Perform field surveys**

   A. **Establish three-dimensional tertiary control points for use in making boundary ties and mapping.**

   Working from the primary and secondary control points, DTE field crews will use GPS and conventional methods to establish tertiary control points for use in tying property corners and in mapping. Although these points will be of such permanence as to survive the project, they will not be published formally beyond the documentation in our project files.

B. Locate property corners and evidence of leaseholds using the preliminary work map as a guide.

Our crews will use the tertiary control points to locate and tie all evidence of fee simple boundaries and of leaseholds. Artificial monuments recited in deeds will be searched out. The evidence will be tied to the project coordinate system.

C. Locate in three dimensions all buildings, taxiways, runways, fences, streets, and utilities within or immediately adjacent to the airport boundary.

In addition to locating boundary corners, DTE personnel will locate buildings, taxiways, crossovers, runways, fences, streets, and utilities (water, wastewater, storm sewer, electric, gas, telephone). Our involvement with utility location can be very limited or very extensive as reflected in the four-tiered ***Subsurface Utility Engineering (SUE)*** options stated below:

Quality Level D –	*DTE personnel can conduct "records search" to obtain information on utilities solely from existing utility records.*
Quality Level C-	*DTE can perform a "surface visible feature survey" to locate visible aboveground utility facilities such as manholes, valve boxes, posts and to correlate this information with existing utility records.*
Quality Level B-	*DTE can utilize the application and interpretation of surface geophysical techniques which include electromagnetic, magnetic, and elastic wave methods to designate the presence and approximate horizontal location of underground utilities.*
Quality Level A-	*DTE can characterize a utility's spatial position, composition, condition, size, and other data that may be reasonably available about the utility and its surrounding environment through its exposure by non-destructive excavation techniques, such as air/vacuum extraction.*

Optionaly, DTE's level of involvement for Subsurface Utility Engineering (SUE) should be determined by the Town of Addison.

Deliverables: Meet with the Town Staff to deliver copies of work notes, sketches, ASCII files, etc.

6. Perform office work to process and refine field data into graphic documents.

A. Download data collectors, make calculations, and perform analysis and further research to establish property boundaries, encroachments, protrusions, leasehold limits, and easement locations.

After the field evidence is gathered, the data will be downloaded, processed against our control information, and imported to the project database for analysis.

Inevitably, this analysis leads to a secondary level of courthouse research to clarify issues that have become apparent. DTE will provide the services to gain these materials.

Once boundary lines have been established, an analysis of the spatial relationship between boundaries and improvements will be made to identify any encroachments or protrusions of improvements that may exist.

Leases, joint use agreements, through-the-fence leases, and easements will then be harmonized to the boundaries and the improvements, and, finally, a fieldnote description of the Airport property will be prepared.

B. Perform CAD work necessary to prepare a boundary survey / base map presenting the results of the surveying.

The graphic documents presenting the results of the survey will be prepared in CAD format. The drawings will be "layered" to segregate thematically related data items on the same layer to facilitate the preparation of specialized exhibits in the future.

All of the data gathered will reside in this graphic environment, and multiple drawings may be produced at the Town's request.

Optionally, individual lease exhibits and descriptions can be prepared.

Deliverables: Meet with the Town Staff to provide hardcopies and digital versions of the graphic documents prepared.

7. Monument the boundaries of the airport and the leaseholds.

A. Perform office work to prepare stakeout files for the field crews.

Data collector files will be prepared for the crews to use to set out the corners.

B. Perform field work to set monuments (rebar with plastic caps) at all feasible boundary corners and at leasehold corners if requested by Addison Airport staff.

DTE field crews will set out 5/8" diameter 24" long rebar monuments with plastic caps at angle points in the fee simple boundary where no found monument exists.

Optionally, DTE crews can set out the same type of monument at lease corners if desired by the Town of Addison.

Deliverables: Monuments set in the field.

8. Prepare a final surveyor's report to present to the Town of Addison.

A. Prepare a final report having the following structure:

1. Executive Summary stating the project scope, objectives, and results.
2. A narrative describing the data gathering activities, preparation of the working sketch, and the conclusions drawn from the documents gathered.
3. Minutes of the formal meeting with the Town of Addison for the presentation of the preliminary report, the action items defined in that meeting, and the actions taken.
4. Formal surveyor's report addressing the research issues, the results of the field work, the interpretation of the evidence gathered, and the professional opinions drawn from that evidence.
5. The boundary survey / base map, signed and sealed, and, optionally, lease exhibits on individual leases.
6. Appendices
    a. A list of all documents gathered, their relevance, and their provenance.
    b. Copies of airport vesting deeds
    c. Copies of lease agreements

d. Monument location sketches, metadata, and horizontal / vertical data for all GPS secondary control monuments that were established.

B. Make a formal presentation to the Town Council of the results.

Deliverables: Electronic and Hard Copies of Final Report, Survey and Sorted Lease Documents

Exhibit B

ADDISON AIRPORT SURVEY SERVICES BY DAL-TECH ENGINEERING 4-12-2001

	$135.00		$100.00		$80.00		$54.00		$105.00		$90.00		$0.00		TOTAL
	PRINCIPAL		RPLS		SURVEY TECH		SECRETARY		SURVEY CREW		DESIGN ENGINEER		OTHER		
TASKS	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
I. Research															
1. Gather Data and Perform Research															
A. At Town of Addison and at Addison Airport	0	$0	40	$4,000	24	$1,440	4	$216	0	$0	0	$0	0	$0	$5,656
B. At TxDOT's Aviation Division in Austin	0	$0	8	$800	12	$720	2	$108	0	$0	0	$0	0	$0	$1,628
C. From County Courthouse Deed Records	0	$0	0	$0	0	$0	0	$0	0	$0	0	$0		$4,500	$4,500
2. Establish Control															
A. Perform GPS Surveys	0	$0	32	$3,200	12	$720	0	$0	60	$6,300	0	$0	0	$0	$10,220
B. Run Level Loops	2	$270	8	$800	8	$480	0	$0	32	$3,360	0	$0	0	$0	$4,910
C. Prepare Report including "Recovery Drawings"	8	$810	40	$4,000	40	$2,400	8	$432	0	$0	0	$0	0	$0	$7,642
3. Compile Graphic Documents of Preliminary Data															
A. Plot Deeds, Leases, Joint Use Agreements, Easements, etc.	4	$540	60	$6,000	60	$4,800	0	$0	0	$0	0	$0	0	$0	$13,340
B. Analyze Plot to Identify Problem Areas	4	$540	24	$2,400	32	$1,920	0	$0	0	$0	0	$0	0	$0	$4,860
4. Preliminary Report and Presentation	4	$540	24	$2,400	0	$0	8	$432	0	$0	0	$0	0	$0	$3,372
5. Perform Field Surveys															
A. Establish Control Points	4	$540	16	$1,600	16	$960	0	$0	48	$5,040	0	$0	0	$0	$8,140
B. Locate Property Corners & Evidence of Leaseholds	0	$0	16	$1,600	16	$960	0	$0	120	$12,600	0	$0	0	$0	$15,160
C. Locate Buildings, Utilities and Structures															
Locate Buildings and Structures	0	$0	16	$1,600	20	$1,200	0	$0	180	$18,900	0	$0	0	$0	$21,700
Subsurface Utility Engineering															
Level D	2	$270	24	$2,400	40	$2,400	2	$108	0	$0	40	$3,600	0	$0	$8,778
Level C	4	$540	32	$3,200	80	$4,800	4	$216	60	$6,300	32	$2,880	0	$0	$17,938
Level B	4	$540	40	$4,000	80	$4,800	4	$216	120	$12,600	40	$3,600	0	$0	$25,756
6. Perform Office Work to Process Data															
A. Download and Analyse Data for Boundary	0	$0	48	$4,800	60	$3,600	8	$432	0	$0	0	$0	0	$0	$8,832
B. Perform CAD Work for Boundary															
Overall Boundary	0	$0	24	$2,400	100	$6,000	4	$216	10	$1,050	0	$0	0	$0	$9,666
Individual Lease Area Drawing and Description	4	$540	88	$8,800	180	$10,800	2	$108	0	$0	0	$0	0	$0	$20,048
Joint Use Agreements Drawing and Description	4	$540	32	$3,200	60	$3,600	2	$108	0	$0	0	$0	0	$0	$7,448
Easements Drawing and Description	4	$540	16	$1,600	40	$2,400	2	$108	0	$0	0	$0	0	$0	$4,648
7. Monument the Boundaries of Airport and Leaseholds (if required)															
A. Perform Office Work to Prepare Stakeout Files	0	$0	8	$800	16	$960	0	$0	0	$0	0	$0	0	$0	$1,760
B. Perform Field Work to Set Monuments	0	$0	0	$0	16	$960	0	$0	60	$6,300	0	$0	0	$0	$7,260
8. Prepare Final Surveyor's Report															
A. Prepare Final Report	4	$540	32	$3,200	8	$480	8	$432	0	$0	0	$0	0	$0	$4,652
B. Present Report to Town Council	4	$540	4	$400	8	$480	8	$432	0	$0	0	$0	0	$0	$1,852
SUB-TOTAL	54	$7,290	650	$65,000	948	$56,880	68	$3,564	690	$72,450	112	$10,080	0	$4,500	$219,764
II. Non-Labor															
1. Reproduction															$1,500
2. UHF Handheld Radio for Safety															$600
3. GPS/Computer Time															$28,000
4. Meetings															$2,000
SUB-TOTAL	0	$0	0	$0	0	$0	0	$0	0	$0			0	$0	$32,100
TOTAL															$251,864

Exhibit C

SCHEDULE

TOWN OF ADDISON

PUBLIC WORKS DEPARTMENT (972) 450-2871

Post Office Box 9010 Addison, Texas 75001-9010 16801 Westgrove

March 13, 2001

Ms. Sedi A. Toumani, P.E.
President
DAL-TECH Engineering, Inc.
17311 Dallas Parkway, Suite 200
Dallas, Texas 75248

Re: Surveying Services
Addison Airport Boundary Survey

Dear Ms. Toumani:

The Town of Addison is pleased to announce that your firm has been selected to provide surveying services for the Addison Airport Boundary Survey project. A meeting has been scheduled for Wednesday, March 14, 2001, at 3:00 p.m., to discuss a scope and fee proposal for the project.

Should you have any questions regarding this matter, please contact me at 972-450-2886.

Sincerely,

Steven Z. Chutchian

Steven Z. Chutchian, P.E.
Assistant City Engineer

Cc: Chris Terry, Assistant City Manager
Mike Murphy, P.E., Director of Public Works
Jim Pierce, Assistant Director of Public Works

Steve Chutchian

From: Steve Chutchian
Sent: Tuesday, February 13, 2001 11:30 AM
To: Chris Terry
Cc: Michael Murphy; Jim Pierce; Jim Wilson; Carmen Moran; Mark Acevedo
Subject: Addison Airport Boundary Survey

A Pre-Submittal meeting is scheduled for Wednesday, February 14, 2001, at 2:00 p.m., in advance of the Town's receipt of Statements of Qualification from various firms for the proposed Addison Airport Boundary Survey. Subsequent to recent discussions between Dave Pearce, Ken Dippel, John Hill, Jim Pierce, and myself, a more detailed scope of work was generated and will be presented to interested parties at the Pre-Submittal meeting on Wednesday:

a. Horizontal and vertical control shall be established for the airport, including monumentation, which shall be tied to Town of Addison horizontal vertical datum.

b. Extensive title search and investigation shall be performed, including the following:
   1. Parcels acquired as additions to the original airport property, including individual property descriptions and map of each parcel.
   2. All sub-leases on airport property, including boundary descriptions and map.
   3. Identification of off-site users, including name, location, type of user, and access point(s) to airport property.
   4. Research of other Town, County, State or other documents as necessary to establish the location of existing boundary lines and easements.

c. Perform boundary survey of the Airport property and prepare descriptions and map, detailing the following:
   1. Original airport site
   2. easements
   3. encroachments (i.e., fences, poles, etc.)
   4. on-site leases
   5. all property acquisition and deletions for the airport site since 1976
   6. points of accessibility of off-site users

d. Compilation of all metes & bounds descriptions, maps, and other associated data, related to the boundary survey of Addison Airpot, into six (6) bound documents. These documents will be required by the FAA & TxDot, and will serve as permanent records for the Town of Addison.

The deadline for submission of Statements of Qualifications is 5:00 p.m., February 23, 2001. At that time, the review and evaluation process will be initiated and will terminate with the selection of a firm and negotiation of fees. Thanks.

Steve Chutchian

SIGN IN SHEET

Preproposal Meeting - Addison Airport
Boundary Survey 2-14-01

NAME	COMPANY	PHONE
Thomas Mouk	PBS&J	972 387 0771
Sedi Toumani	DAL-TECH Engr.	972-250-2727
MORI AKHAVAN	DAL-TECH ENG.	972-250-2727
Jack Lyle	DAL-TECH ENG.	972-250-2727
Bazl Hodgin	Garcia & Assoc	817.446.1900
Jenny Brown	Garcia & Associates	972-233-6700
AYUB SANDHU	A.R.S. Engineering Inc	214-739-3152
Bryan Kunkler	Hiatt-Zollars, Inc.	214-871-3311
ERIC Yahoudy	Hiatt-Zollars, Inc	214-871-3311
Lawrence Richardson	HALFF Assoc. Inc.	
Linda Legg	Halff Asso.	214-346-6359
TODD J. SEATON	JONES & CARTER	488-0440 972-436
Bob Wright	Pate Engineers	214/357-2981
JEFF SHEPPARD	PACHECO KOCH	972-235-3031

REQUEST FOR STATEMENTS OF QUALIFICATIONS
SURVEYING SERVICES

TOWN OF ADDISON

The Town of Addison is seeking Statements of Qualifications from experienced engineering/surveying firms to provide surveying services related to the development of a boundary survey and map at the Addison Airport. The scope of the project includes the following:

a. Establish horizontal and vertical control for the proposed improvements including monumentation, which shall be tied to Town of Addison horizontal and vertical datum.
b. Research Town, County, State or other documents as necessary to establish the location of existing boundary lines and easements.
c. Perform boundary survey of the Airport property and prepare a map, detailing all existing right-of-way and easement lines along with adjacent property owners.
d. Attend a SOQ Pre-Submission meeting at the Town of Addison Service Center, located at 16801 Westgrove Drive, at 2:00 P.M., on February 14, 2001.

The Town of Addison will accept written Statements of Qualifications (SOQ) from engineering/surveying firms until 5:00 P.M., February 23, 2001. Four (4) copies of the SOQ shall be submitted. The engineering/surveying firm should provide enough information to demonstrate the firm's ability to perform the project. The SOQ shall designate the individuals who will be assigned to the project (Principal-in-Charge, Project Manager, Surveyor, etc.) and resumes for each individual. A list of similar projects in scope and size to those listed which the firm has completed in the last three (3) years shall be provided. For each project, a description shall be provided along with project cost, completion date, names of surveying team members involved in these improvements, name of the client contact person and phone number for contact person.

All written Statements of Qualifications submitted will be evaluated by the Selection Committee, which will be made up of Mike Murphy, P.E., Director of Public Works; James C. Pierce, Jr., P.E., Assistant Director of Public Works; and Steve Chutchian, P.E., Assistant City Engineer. The review of the SOQ's will be based on the selection criteria mentioned above. The SOQ should specifically address each criteria for evaluation. If it is deemed necessary, the top ranking firms will be asked to meet with the Town and make oral presentations. The firm the Town deems most qualified will then present a proposal to perform the work and a fee will be negotiated. The surveying contract will go to the City Council for approval.

Interested parties should direct questions to Steve Chutchian, at (972)-450-2886.

Submit Statements of Qualifications to:

Mailing: Steven Z. Chutchian, P.E.
Assistant City Engineer
16801 Westgrove
P.O. Box 9010
Addison, Texas 75001-9010

Fax: (972)-450-2837
E-Mail: schutchian@ci.addison.tx.us

HP LaserJet 3200se

TOALASERJET 3200
9724502837
FEB-21-2001 16:50

Fax Call Report

Job	Date	Time	Type	Identification	Duration	Pages	Result
207	2/21/2001	16:49:32	Send	918177356148	0:45	3	OK

TOWN OF
ADDISON **PUBLIC WORKS**

To: MR. HUGH LYON **From:** STEVE CHUTCHIAN, P.E

Company: CARTER & BURGESS

FAX #: 817-735-6148

Date: 2/21/01

No. of pages (including cover):

Phone: 972/450-2886
Fax: 972/450-2837

16801 Westgrove
P.O. Box 9010
Addison, TX 75001-9010

NTB Associates, inc
ARCHITECTS • ENGINEERS • SURVEYORS

Paul B. Rossini, P.L.S.
Principal

2929 CARLISLE ST., STE. 350, DALLAS, TX 75204
(214) 954-4495 • f (214) 954-4485 • pbr@ntbasport.com

Jim Wilson

From: Steve Chutchian
Sent: Friday, February 16, 2001 9:31 AM
To: Jim Wilson
Subject: Meeting with NTB Associates

Jim - A guy named Paul, with NTB Associates, from Shreveport has asked to meet with us on Wednesday, February 21st., at 10:00 a.m. to discuss the proposed Airport Boundary Survey. Please plan to attend and please get the phone number of David Pearce from Sue Ellen, and ask David if he can attend to answer a few questions. If he cannot attend, then we will handle the meeting. Thanks.

Steve C.

9-92-392-4855

LEASE HOLD AREAS
1- Foot Print
2- Metes & Bounds

Here are the names and numbers for the new airport office at 4651 Airport Parkway
South Terminal Building, and can be reached at the fc

David Pearce, Airport Director.....972-392-4855
Darci Neuzil, Asst. Director.....972-392-4854
Bob Katzen, Real Estate Manager.....972-392-4856

Addison Airport Control Tower

Alvin DeVane 16900 Dooley
972 239-3725 (F) 9-490-4338

Steve Chutchian

From: Steve Chutchian
Sent: Tuesday, February 13, 2001 11:30 AM
To: Chris Terry
Cc: Michael Murphy; Jim Pierce; Jim Wilson; Carmen Moran; Mark Acevedo
Subject: Addison Airport Boundary Survey

A Pre-Submittal meeting is scheduled for Wednesday, February 14, 2001, at 2:00 p.m., in advance of the Town's receipt of Statements of Qualification from various firms for the proposed Addison Airport Boundary Survey. Subsequent to recent discussions between Dave Pearce, Ken Dippel, John Hill, Jim Pierce, and myself, a more detailed scope of work was generated and will be presented to interested parties at the Pre-Submittal meeting on Wednesday:

a. Horizontal and vertical control shall be established for the airport, including monumentation, which shall be tied to Town of Addison horizontal vertical datum.

b. Extensive title search and investigation shall be performed, including the following:
   1. Parcels acquired as additions to the original airport property, including individual property descriptions and map of each parcel.
   2. All sub-leases on airport property, including boundary descriptions and map.
   3. Identification of off-site users, including name, location, type of user, and access point(s) to airport property.
   4. Research of other Town, County, State or other documents as necessary to establish the location of existing boundary lines and easements.

c. Perform boundary survey of the Airport property and prepare descriptions and map, detailing the following:
   1. Original airport site
   2. easements
   3. encroachments (i.e., fences, poles, etc.)
   4. on-site leases
   5. all property acquisition and deletions for the airport site since 1976
   6. points of accessibility of off-site users

d. Compilation of all metes & bounds descriptions, maps, and other associated data, related to the boundary survey of Addison Airpot, into six (6) bound documents. These documents will be required by the FAA & TxDot, and will serve as permanent records for the Town of Addison.

The deadline for submission of Statements of Qualifications is 5:00 p.m., February 23, 2001. At that time, the review and evaluation process will be initiated and will terminate with the selection of a firm and negotiation of fees. Thanks.

Steve Chutchian

Airport

Ken Dippel Jim P.
Dave Pearce John Hill
Steve C.

2-13-01

Boundary Survey —
Boundary
Lease hold areas
References to easements on file

Don't Have M&B on most leases.
Some do have M&B

Don't need M&B for each T hanger, but would need a M&B of the whole hanger.

Want

1976 Deed to Town —

Charlotte Birkfeld / TX DOT / D. Pearce
Will give guidance / K.

Meeting Notes
JP

REQUEST FOR STATEMENTS OF QUALIFICATIONS
SURVEYING SERVICES

The Town of Addison is seeking Statements of Qualifications from experienced engineering/surveying firms to provide surveying services related to the development of a boundary survey and map at the Addison Airport. There will be a MANDATORY Pre-Submission meeting at the Town of Addison Service Center, 16801 Westgrove Drive, Addison, Texas 75001, at 2:00 PM, on February 14, 2001. Addison will accept written Statements of Qualifications (SOQ) from engineering/surveying consultants through February 23, 2001.

For more information, please contact Steve Chutchian, Assistant City Engineer, at (972)-450-2886. Specifications may be obtained at www.demandstar.com or by contacting the Purchasing Division at 972-450-7091.

ORIGINAL AIRPORT DESCRIPTION AS PART OF 1976 DEED.

→ AS PART OF OUR AGREEMENT, TOWN IS TO PROVIDE BOUNDARY SURVEY

SHOW SURVEYED BOUNDARY OF AIRPORT
METES + BOUNDS OF LEASE HOLDINGS
EASEMENTS

NOT SURVEY OF EACH HANGER, BUT ON OVERALL PLOT

OUT PARCELS OR TRACTS WE BOUGHT ARE NOW INCLUDED WITHIN OVERALL BOUNDARY, BUT WE NEED ORIGINAL DESCRIPTION OF EACH TRACT.

PERIMETER BOUNDARY W/ METES + BOUNDS
EASEMENTS, LEASE PARCELS
ENCROACHMENTS (i.e. FENCES ON AIRPORT PROPERTY)
IDENTIFY ACCESS POINTS FOR OFF-SITE USERS OF AIRPORT PROPERTY.
DO

6 COPIES OF TRAC SUBMITTED PACKAGE

BOUND RETURN OF ALL DATA

CHARLOTTE BIRDFIELD, TXDOT
↳ SHE CAN TELL HOW TO MEET TXDOT & FAA REQUIREMENTS FOR A SUBMITTED PACKAGE

Steve Chutchian

From: Mauk, Thomas W [TWMauk@pbsj.com]
Sent: Thursday, February 08, 2001 8:55 AM
To: schutchian@ci.addison.tx.us
Subject: RE: SOQ Surveying Addison Airport

Thank you for the prompt answer. I will make arrangements later to meet with
you and review the material.
Tom

-----Original Message-----
From: schutchian@ci.addison.tx.us [mailto:schutchian@ci.addison.tx.us]
Sent: Thursday, February 08, 2001 9:03 AM
To: TWMauk@pbsj.com
Subject: RE: SOQ Surveying Addison Airport

Mr. Mauk - I have a copy of a map of the airport property, with
descriptions, filing information, sub-leased areas, etc. It will be very
valuable in your efforts to complete the project. I was planning to display
it during our pre-submission meeting on Feb. 14th. However, feel free to
come by anytime and look at it prior to the meeting. I also have started to
acquire information on other parcels that the Town has acquired on behalf of
the Airport. This material may be very helpful. If you need any other
information, please let me know.

Steve Chutchian

-----Original Message-----
From: Mauk, Thomas W [mailto:TWMauk@pbsj.com]
Sent: Thursday, February 08, 2001 6:45 AM
To: schutchian@ci.addison.tx.us
Subject: SOQ Surveying Addison Airport

Dear Mr. Chutchian,
Is there presently an overall Map of the Airport property?
Thanks Tom Mauk

PBS & J
13800 Montfort Drive, Suite 230
Dallas, Texas 75240-4347

Attn: Mr. Clarence Daugherty, P.E.

Pacheco Koch Consulting Engineers
9401 LBJ Freeway, Suite 300
Dallas, Texas 75243

Attn: Mr. Christopher M. Jones, P.E.

CANDIDATE FIRMS
ADDISON AIRPORT BOUNDARY SURVEY

Dal-Tech Engineering, Inc.
17311 Dallas Pkwy., Suite 200
Dallas, Texas 75248

Attn: Mr. Mori Akhaven, P.E.

Shimek, Jacobs & Finklea, L.L.P.
8333 Douglas Avenue, #820
Dallas, Texas 75225-5816

Attn: Mr. John W. Birkhoff, P.E.

Brooks Baker Surveyors 817-335-7151
511 E. Bluff
Fort Worth, Texas 76102

Attn: Mr. Don Hickey

Huitt-Zollars, Inc.
3131 McKinney Ave./Ste. 600
Dallas, Texas 75204-2489

Attn: Mr. David E. Meyers, P.E.

Garcia & Associates Engineering, Inc. 972-233-6700
5710 LBJ Freeway, Suite 370
Dallas, Texas 75240

Attn: Mr. Rudy Garcia, P.E.

Carson-Salcedo-McWilliams, Inc. 214-741-4640
1201 Main St.
Dallas, Texas 75202

Attn: Mr. Richard Carson

Brockett-Davis-Drake, Inc. 214-824-3647
4144 N. Central Expressway
Dallas, Texas 75204

Attn: Mr. John Piburn

Nathan D. Maier Consulting Engineers, Inc. 214-739-4741
8080 Park Ln., Suite 600
Dallas, Texas 75231

Attn: Ms. Jean Maier Dean

Carter & Burgess, Inc. 214-638-0145
7950 Elmbrook Drive
Dallas, Texas 75247-4951

Attn: Ms. Wendy M. Martinez

RFQ → DAC - TEC

→ SHINEK, JACOBS & FINKBEA

→ ~~[redacted]~~ GARCIA & ASSOCIATES, INC.

→

→

370+ Acres — TOTAL
AREA OF AIRPORT

Halff Associates

ENGINEERS • ARCHITECTS • SCIENTISTS • PLANNERS • SURVEYORS

~~Lawrence G. Richardson~~ Raul Wong, Jr., R.P.L.S., P.E.,
Surveyor

Halff Associates, Inc.
8616 Northwest Plaza Drive • Dallas, Texas 75225-4292
(214) 346-6200 Fax (214) 739-7066 ~~Direct Dial (214) 346-6318~~
Email: lrichardson@halff.com Website: http://www.halff.com

NTB Associates, Inc.
ARCHITECTS • ENGINEERS • SURVEYORS

Mark A. Jusselin, P.E.
Principal

2929 CARLISLE ST., STE. 350, DALLAS, TX 75204
(214) 954-4495 • f (214) 954-4485 • maj@ntbasport.com

ARS Engineers, Inc.
www.arsengrs.com

Ayub Sandhu, P.E., R.P.L.S.
President

Civil Engineering, Land Surveying & Construction Mgmt.

Dallas
5910 N. Central Expy • Ste1000
Dallas, Texas 75206
214/739-3152 • 214/750-8823 Fax
sandhu@arsengrs.com

Ft. Worth
500 W. 7th St • Suite 1729
Ft. Worth, TX 76102
817/332-7640 • 817/332-7686 Fax

Waco
215 Mary St. • Suite 301
Waco, TX 76701
254-756-7040 • 254-456-7013 Fax

DAL-TECH ENGINEERING, INC.
CONSULTING CIVIL ENGINEERS / SURVEYORS
CONSTRUCTION MANAGERS

Jack ~~SEDI TOUMANI, P.E.~~ Lyle Epps

17311 DALLAS PKWY / SUITE 200 / DALLAS, TEXAS 75248
972-250-2727 / FAX 972-250-4774
222 WEST EXCHANGE / FORT WORTH, TEXAS 76101
817-626-8777 / FAX 817-626-5777
daltech1@airmail.net

Jim Pierce

From: Bill Dyer [Bill.Dyer@Staubach.com]
Sent: Wednesday, January 07, 2004 6:54 PM
To: Jim Pierce
Subject: FW: ADS Proposal

This is the proposal I requested from Alan Moore at Dal-Tech for survey work which actually includes three different projects. I tried faxing it to you but the photos are difficult to see. I am wanting to run these by you to make certain they appear to be in line with what a "seasoned engineer" such as yourself would expect and if the scope of work in your opinion is adequate. FYI, I have $12K budgeted this year for survey and title work.

1) **Boundary and Topo Survey for Keller Springs property**. I asked Alan to provide a proposal that would identify all that bounded by and included within the area shown in the aerial. We need a description of a ROW for Jimmy Doolittle so a boundary of the property north of Doolittle and south of the tunnel can be defined. While the crew was there, I asked him to do the same for the property north of the tunnel. The two hangars within the scope of work are city owned. To my knowledge, we do not have any legal description for these buildings and their respective ramp area. Once these are defined, then we can determine the vacant land to the west of the hangars, south of Taxiway Tango and north of the tunnel. Then I got ambitious and asked Alan (since the crew is on site) to include the two jet hangars south of Doolittle since we do not have a legal description for these buildings. Cost for the described work is $6,479. We may omit the jet hangars from the scope of work to save some dollars at this time.

2) **Ground Lease Tract 13A** is for the Great Escape/Al Ranyak (a.k.a. Flight Line) ground lease that needs to be amended to reflect the reconfigured boundary as a result of the Airport Parkway realignment. HNTB sent Mr Ranyak a CAD file of the road alignment so he can determine what portion ,if any, of the out parcel on the south side of the new road between Omniflight and his property he would like to include in the revised lease premises. Proposed cost of survey is $3,082.

3) **Ground Lease Tracts 5A & 5B.** These are not actually ground leases, they are city owned jet hangars adjacent to the proposed fuel farm. My concern here is that we do not let the fuel farm encroach into the "lease premises" but we do not have a current legal description for these respective properties. I have on file an old survey for the Rockwall ground leases that expired years ago but nothing current. If you look at the Dal-Tech boundary survey, it only reflects the proximity of the buildings and does not reflect the ramp and parking areas or ingress/egress. Option A is for the jet hangars only, Option B was to encompass a larger logical block of land that needs to be surveyed and tied to the airport boundary survey. I think for right now, in the interest of holding costs down we table this work.

Subject to your input, I recommend we:
a) Proceed with #2 ASAP
b) Proceed with #1 subject to Alan's estimate of savings to us for omitting the jet hangar. I suspect there will be a good cost savings to do the work while the crew
is there set up and on site.
c) Table #3 until either later in the year or possibly add it to the scope of the fuel farm project when the crew is on site for that project (assuming Dal-tech will do
the survey work then).

-----Original Message-----
From: Alan Moore [mailto:Alan@Dal-tech.com]
Sent: Monday, December 29, 2003 11:14 AM
To: Bill Dyer
Subject: RE: ADS Proposal

Bill,

Please accept my apology for the delay. I was out all of last week on vacation. Attached below is the proposal in PDF format. Let me know if you have any further questions and I'll be happy to assist you.

December 17, 2003

VIA FACSIMILE (972)-788-9334

Mr. William Dyer
Addison Airport
16051 Addison Road, Suite 220
Addison, Texas 75001

RE: Boundary and Topographic Survey of Various Portions of Addison Airport

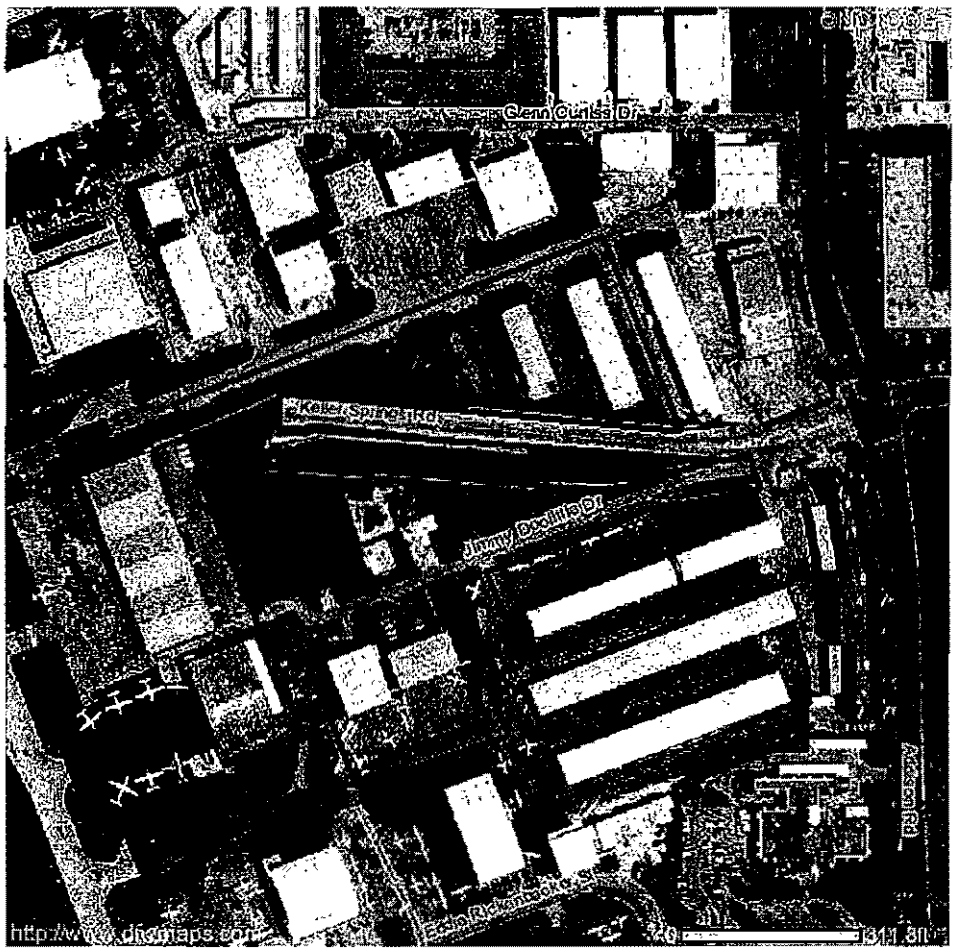
Dear Mr. Dyer:

DAL-TECH Engineering, Inc. is pleased to submit our fee proposal to perform the necessary services to prepare a Boundary and Topographic Survey of three separate tracts of land located on Addison Airport property in Addison, Texas. Our budget estimate for these survey items is as follows:

Boundary and Topographic Survey, Keller Springs Road Area - We will prepare a Boundary and Topographic Survey of the area surrounding Keller Springs Road as outlined in red on "Exhibit A" below. This survey will show the location of existing ground lease lines, the location of any known easement lines, the size and location of existing features on site, the location of underground utilities, the flood zone designation, and any other items required by standards related to a Category 1A, Condition II, Survey as published by the Texas Society of Professional Surveyors. Establishing the location of any new ground lease lines can be performed under a separate budget. DAL-TECH recommends a lump sum budget of **$6,479.00** for this Boundary and Topographic Survey based on the following man-hour costs:

DESCRIPTION	HOURS	RATE	COST
2-Man Field Party	24	$122.00	$2,928.00
Project Coordinator	4	$100.00	$ 400.00
RPLS	16	$ 84.00	$1,344.00
Survey Technician	24	$ 68.50	$1,644.00
Secretary/Typist	2	$ 44.00	$ 88.00
Reproduction (Lump Sum)			$ 75.00
TOTAL BUDGET			**$ 6,479.00**

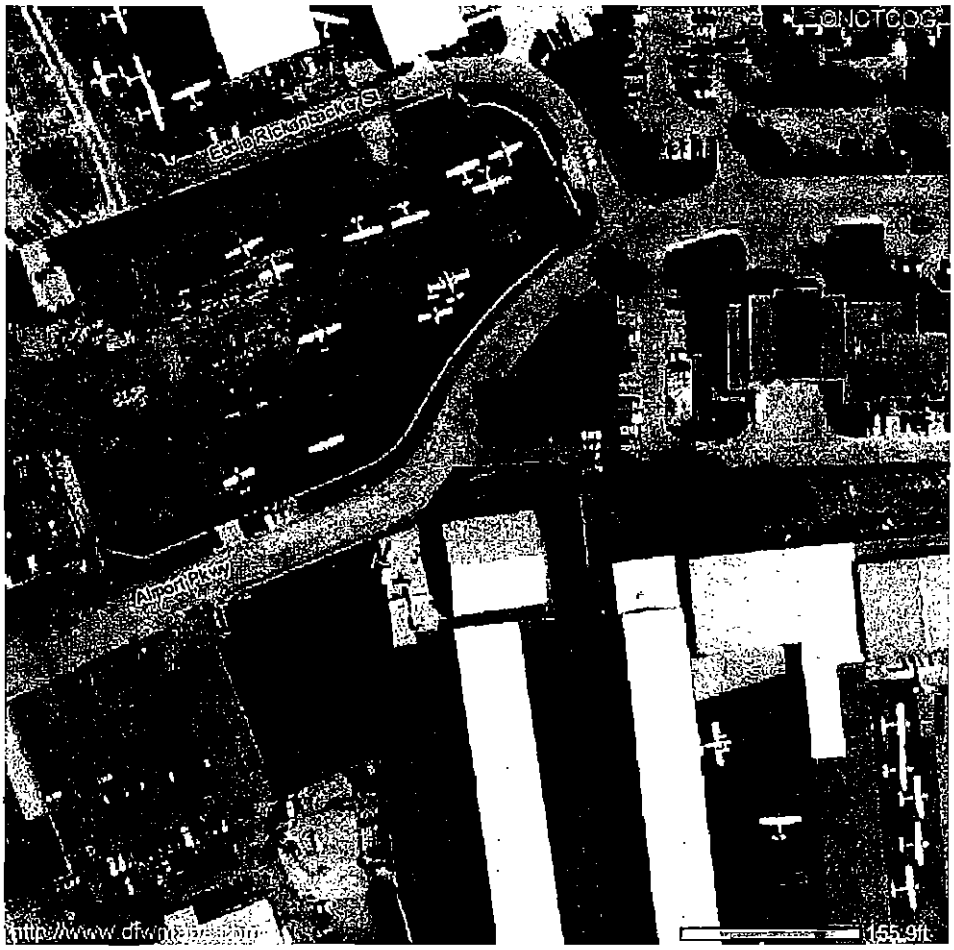
Exhibit A



Boundary and Topographic Survey, Ground Lease Tract 13B Area - We will prepare a Boundary and Topographic Survey of the area including Ground Lease Tract 13B and the adjacent non-leased area to the south and west as outlined in red on "Exhibit B" below. This survey will show the location of existing ground lease lines, the location of any known easement lines, the size and location of existing features on site, the location of underground utilities, the flood zone designation, and any other items required by standards related to a Category 1A, Condition II, Survey as published by the Texas Society of Professional Surveyors. Establishing the location of any new ground lease lines can be performed under a separate budget. DAL-TECH recommends a lump sum budget of **$3,082.00** for this Boundary and Topographic Survey based on the following man-hour costs:

DESCRIPTION	HOURS	RATE	COST
2-Man Field Party	8	$122.00	$ 976.00
Project Coordinator	2	$100.00	$ 200.00
RPLS	8	$ 84.00	$ 672.00
Survey Technician	16	$ 68.50	$1,096.00
Secretary/Typist	2	$ 44.00	$ 88.00
Reproduction (Lump Sum)			$ 50.00
TOTAL BUDGET			**$ 3,082.00**

Exhibit B



Boundary and Topographic Survey, Ground Lease Tracts 5A and 5B Area - We will prepare a Boundary and Topographic Survey of the area including Ground Lease Tracts 5A and 5B as outlined in red on "Exhibit C" (Option A) below with the option to additionally survey the surrounding area as outlined in red on "Exhibit D" (Option B). This survey will show the location of existing ground lease lines, the location of any known easement lines, the size and location of existing features on site, the location of underground utilities, the flood zone designation, and any other items required by standards related to a Category 1A, Condition II, Survey as published by the Texas Society of Professional Surveyors. Establishing the location of any new ground lease lines can be performed under a separate budget. DAL-TECH recommends a lump sum budget of **$4,283.00** for the Boundary and Topographic Survey of the area as outlined in red on "Exhibit C" (Option A) based on the following man-hour costs:

DESCRIPTION	HOURS	RATE	COST
2-Man Field Party	16	$122.00	$1,952.00
Project Coordinator	4	$100.00	$ 400.00
RPLS	8	$ 84.00	$ 672.00
Survey Technician	16	$ 68.50	$1,096.00
Secretary/Typist	2	$ 44.00	$ 88.00
Reproduction (Lump Sum)			$ 75.00
TOTAL BUDGET			**$ 4,283.00**

Exhibit C (Option A)

DAL-TECH recommends a lump sum budget of **$5,259.00** for the Boundary and Topographic Survey of the area as outlined in red on "Exhibit D" (Option B) based on the following man-hour costs:

DESCRIPTION	HOURS	RATE	COST
2-Man Field Party	24	$122.00	$2,928.00
Project Coordinator	4	$100.00	$ 400.00
RPLS	8	$ 84.00	$ 672.00
Survey Technician	16	$ 68.50	$1,096.00
Secretary/Typist	2	$ 44.00	$ 88.00
Reproduction (Lump Sum)			$ 75.00
TOTAL BUDGET			**$ 5,259.00**

Exhibit D (Option B)

The total proposed fee for the above listed surveying services including "Option A" is **$13,844.00** plus delivery costs.

The total proposed fee for the above listed surveying services including "Option B" is **$14,820.00** plus delivery costs.

We are prepared to commence these surveys upon your authorization. We propose to complete each of the three surveys within 10 working days consecutively, or a total of 30 working days, from the date of your notice to proceed.

If you are in agreement with the above fee proposal, please sign in the space provided below to include "Option A" or "Option B" and return this acknowledgement to our office. This will serve as our authorization to proceed.

Sincerely,
DAL-TECH Engineering, Inc.

Alan Moore, R.P.L.S.
RAM

"Option A"
William Dyer

_____ _____
Signature Date

"Option B"
William Dyer

_____ _____
Signature Date