Allow Fuel Falux son

NOTICE OF PRO' SED CONSTRUCTION OR ALTE! TION

§77.13 Construction or alteration requiring notice.

- (a) Except as provided in §77.15, each sponsor who proposes any of the following construction or alteration shall notify the Administrator in the form and manner prescribed in §77.17:
- (1) Any construction or atteration of more than 200 feet in height above the ground level at its site.
- (2) Any construction or alteration of greater height than an imaginary surface extending outward and upward at one of the following slopes:
 - (i) 100 to I for a horizontal distance of 20,000 feet from the nearest point of the nearest runway of each airport specified in paragraph (a) (5) of this section with at least one runway more than 3,200 feet in actual length, excluding heliports.
 - (ii) 50 to 1 for a horizontal distance of I0,000 feet from the nearest point of the nearest runway of each airport specified in paragraph (a) (5) of this section with its longest runway no more than 3,200 feet in actual length, excluding heliports.
 - (iii) 25 to I for a horizontal distance of 5,000 feet from the nearest point of the nearest landing and takeoff area of each heliport specified in paragraph (a) (5) of this section.
- (3) Any highway, railroad, or other traverse way for mobile objects, of a height which, if adjusted upward 17 feet for an Interstate Highway that is part of the National System of Military and Interstate Highways where overcrossings are designed for a minimum of 17 feet vertical distance, 15 feet for any other public roadway, 10 feet or the height of the highest mobile object that would normally traverse the road, whichever is greater, for a private road, 23 feet for a railroad, and for a waterway or any other traverse way not previously mentioned, an amount equal to the height of the highest mobile object that would normally traverse it, would exceed a standard of paragraph (a) (1) or (2) of this section.
- (4) When requested by the FAA, any construction or alteration that would be in an instrument approach area (defined in the FAA standards governing instrument approach procedures) and available information indicates it might exceed a standard of Subpart C of this part.
- (5) Any construction or alteration on any of the following airports (including heliports):
 - (i) An airport that is available for public use and is listed in the Airport Directory of the current Airman's Information Manual or in either the Alaska or Pacific Airman's Guide and Chart Supplement.
 - (ii) An airport under construction, that is the subject of a notice or proposal on file with the Federal Aviation Administration, and except for military airports, is clearly indicated that that airport will be available for public use.
 - (III) An airport that is operated by an armed force of the United States.
- (b) Each sponsor who proposes construction or alteration that is the subject of a notice under paragraph (a) of this section and is advised by an FAA regional office that a supplemental notice is required shall submit that notice on a prescribed form to be received by the FAA regional office at least 48 hours before the start of construction or alteration.
- (c) Each sponsor who undertakes construction or alteration that is the subject of a notice under paragraph (a) of this section shall, within 5 days after that construction or alteration reaches its greatest height, submit a supplemental notice on a prescribed form to the FAA regional office having jurisdiction over the region involved, if -
- (1) The construction or alteration is more than 200 feet above the surface level of its site: or
 - (2) An FAA regional office advises him that submission of the form is required.

§77.15 Construction or alteration not requiring notice.

No person is required to notify the Administrator for any of the following construction or alteration:

- (a) Any object that would be shielded by existing structures of a permanent and substantial character or by natural terrain or topographic features of equal or greater height, and would be located in the congested area of a city, town, or settlement where it is evident beyond all reasonable doubt that the structure so shielded will not adversely affect safety in air navigation.
- (b) Any antenna structure of 20 feet or less in height except one that would increase the height of another antenna structure.
- (c) Any air navigation facility, airport visual approach or landing aid, aircraft arresting device, or meteorological device, of a type approved by the Administrator, or an appropriate military service on military airports, the location and height of which is fixed by its functional purpose.
- (d) Any construction or alteration for which notice is required by any other FAA regulation.

§77.17 Form and time of notice.

- (a) Each person who is required to notify the Administrator under §77.13 (a) shall send one executed form set of FAA Form 7460-1, Notice of Proposed Construction or Alteration, to the Manager, Air Traffic Division, FAA Regional Office having jurisdiction over the area within which the construction or alteration will be located. Copies of FAA Form 7460-1 may be obtained from the headquarters of the Federal Aviation Administration and the regional offices.
- (b) The notice required under §77.13 (a) (1) through (4) must be submitted at least 30 days before the earlier of the following dates -
 - (1) The date the proposed construction or alteration is to begin.
 - (2) The date an application for a construction permit is to be filed.

However, a notice relating to proposed construction or alteration that is subject to the licensing requirements of the Federal Communications Act may be sent to the FAA at the same time the application for construction is filed with the Federal Communications Commission, or at any time before that filing.

- (e) A proposed structure or an alteration to an existing structure that exceeds 2,000 feet in height above the ground will be presumed to be a hazard to air navigation and to result in an inefficient utilization of airspace and the applicant has the burden of overcoming that presumption. Each notice submitted under the pertinent provisions of this part 77 proposing a structure in excess of 2,000 feet above ground, or an alteration that will make an existing structure exceed that height, must contain a detailed showing, directed to meeting this burden. Only in exceptional cases, where the FAA concludes that a clear and compelling showing has been made that it would not result in an inefficient utilization of the airspace and would not result in a hazard to air navigation, will a determination of no hazard be issued.
- (d) In the case of an emergency involving essential public services, public health, or public safety that requires immediate construction or alteration, the 30 day requirement in paragraph (b) of this section does not apply and the notice may be sent by telephone, telegraph, or other expeditious means, with an executed FAA Form 7460-1 submitted within five (5) days thereafter. Outside normal business hours, emergency notices by telephone or telegraph may be submitted to the nearest FAA Flight Service Station.
- (e) Each person who is required to notify the Administrator by paragraph (b) or (c) of §77.13, or both, shall send an executed copy of FAA Form 7460-2, Notice of Actual Construction or Alteration, to the Manager, Air Traffic Division, FAA Regional Office having jurisdiction over the area involved.

ADDRESSES OF THE REGIONAL OFFICES

Alaska Region AK

Alaskan Regional Office Air Traffic Division, AAL-530 222 West 7th Avenue Anchorage, AK 99513 Tel: 907-271-5893

Central Region IA, KS, MO, NE Central Regional Office Air Traffic Division, ACE-520 601 East 12th Street Kansas City, MO 64106 Tel: 816-426-3408 or 3409

Eastern Region DC, DE, MD, NJ, NY, PA, VA, WV Eastern Regional Office Air Traffic Division, AEA-520 JFK International Aliport Fitzgerald Federal Building Jamaica. NY 11430

Great Lakes Region
IL, IN, MI, MN, ND, OH, SD, WI
Great Lakes Regional Office
Air Traffic Division, AGL-520
2300 East Devon Avenue
Des Plaines, IL 60018
Tel: 847-294-7568

Tel: 718-553-2616

New England Region CT, MA, ME, NH, RI, VT New England Regional Office Air Traffic Division, ANE-520 12 New England Executive Park Burlington, MA 01803-5299 Tel: 781-238-7520 Northwest Mountain Region CO, ID, MT, OR, UT, WA, WY Northwest Mountain Regional Office Air Traffic Division, ANM-520 1601 Lind Avenue, SW Renton, WA 98055-4056 Tel: 425-227-2520

Southern Region
AL, FL, GA, KY, MS, NC, PR, SC, TN, VI
Southem Regional Office
Air Traffic Division, ASO-520
1701 Columbia Avenue
College Park, GA 30337
Tel: 404-305-5585

Southwest Region AR, LA, NM, OK, TX Southwest Regional Office Air Traffic Division, ASW-520 2601 Meacham Boulevard Fort Worth, TX 76137-0520

Western Pacific Region Hi, CA, NY, AZ, GU Western-Pacific Regional Office Air Traffic Division, AWP-520 15000 Aviation Boulevard Hawthome, CA 90260 Tel: 310-725-6557

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Failure To Provide All Requested Information May Delay Processing of Your Notice

FOR FAA USE ONLY

U.S. Department of Transportation
Federal Aviation Administratio

Aeronautical Study Number

Federal Aviation Administration	Notice of Proposed C	construction o	r Alteration		-
Sponsor (person, company, of Attn. of: Addison Airport		9. Latitude: <u>32</u> ° <u>57</u>	45. 25N		
	16051 ADDISON ROAD	10. Longitude: <u>96</u> ° <u>49</u> '	48. 89W		
City Addison		11. Datum: 🛛 NAD 83	☐ NAD 27 ☐ Other	-	
Telephone: 972.392.4	State: <u>TX</u> Zip: <u>75254</u>	12. Nearest: City: Addis	son State:TX	•	
2. Sponsor's Representative (i	f other than #1) :	13. Nearest Public-use	(not private-use) or Military	Airport or He	liport:
Attn: of: Same		Addison Airport		<u> </u>	
		14. Distance from #13. t	to Structure: On Airport		
	·	15. Direction from #13.	to Structure: <u>On Airport</u>		
City:	State:Zip:	16. Site Elevation (AMS	L):	638	ft.
Telephone:	Fax:	 17. Total Structure Heig	jht (AGL):	28	ft.
3. Notice of: New Construction	on ☐ Alteration ☐ Existing	18. Overall height (#16.	+ #17.) (AMSL):	666	ft_
4. Duration: ⊠ Permanent ☐ T	emporary (months, days)	19. Previous FAA Aeror	nautical Study Number (i	f applicable):	
5. Work Schedule: Beginning	End	Not Applicable			
6. Type: ☐ Antenna Tower ☐ Landfill ☐ Water Tank	- —		tion: (Attach a USGS 7.5 r precise site marked and a		ırvey.)
7. Marking/Painting and/or Lighting Preferred: Red Lights and Paint Dual - Red and Medium Intensity White White - Medium Intensity Dual - Red and High Intensity White White - High Intensity Other No Preference					
8. FCC Antenna Structure Reg	istration Number (if applicable):				
Not Applicable					
21. Complete Description of Pro	oposal:			Frequency/F	Power (kW)
closed and removed. The site v	nany tanks that are now in various location was chosen to allow for the easy ingress/eg g hangars that ensure the fuel farm will not	gress of the large tanker t	rucks. The site also is		
Three attachments show the project site and proposed plan/profile of the structure. The USGS Quadrangle map depicts the site relative to the airport and runway. The plan view provides the required LAT and LONG of each building corner. The profile view provides the LAT and LONG for the peak elevation. The Airport Reference Point is also provided for reference.					
The proposed location is well on behind the Building Restriction lighting will be beneath the roo to cast light upward. There will	etched fabric roof and the	majority of the			
	Federal Regulations, part 77 pursuant to 49 Uct to a civil penalty of \$1,000 per day until the				the notice
	above statements made by me are true, co In accordance with established marking a			e. In addition	, I agree to
Date	Typed or Printed name and Title of Person F	Filing Notice	Signature		
	Lisa Pyles, Airport Manager				

INSTRUCTI IS FOR COMPLETING FAA FOR 460-1

PLEASE TYPE or PRINT

- ITEM #1. Please include the name, address, and phone number of a personal contact point as well as the company name.
- ITEM #2. Please include the name, address, and phone number of a personal contact point as well as the company name.
- ITEM #3. New Construction would be a structure that has not yet been built.

Alteration is a change to an existing structure such as the addition of a side mounted antenna, a change to the marking and lighting, a change to power and/or frequency, or a change to the height. The nature of the alternation shall be included in ITEM #21 "Complete Description of Proposal".

Existing would be a correction to the latitude and/or longitude, a correction to the height, or if filing on an existing structure which has never been studied by the FAA. The reason for the notice shall be included in ITEM #21 "Complete Description of Proposal".

ITEM #4. If Permanent, so indicate. If Temporary, such as a crane or drilling derrick, enter the estimated length of time the temporary structure will be up.

ITEM #5. Enter the date that construction is expected to start and the date that construction should be completed.

ITEM #6. Please indicate the type of structure. DO NOT LEAVE BLANK.

ITEM #7. In the event that obstruction marking and lighting is required, please indicate type desired. If no preference, check "other and indicate "no preference." DO NOT LEAVE BLANK. NOTE: High intensity lighting shall be used only for structures over 500'AGL. In the absence of high intensity lighting for structures over 500' AGL, marking is also required.

ITEM #8. If this is an existing tower that has been registered with the FCC, enter the FCC Antenna Structure Registration number here.

ITEM #9. and #10. Latitude and longitude must be geographic coordinates, accurate to within the nearest second or to the nearest hundredth of a second if known. Latitude and longitude derived solely from a hand-held GPS instrument is NOT acceptable. A hand-held GPS is only accurate to within 100 meters (328 feet) 95 per cent of the time. This data, when plotted, should match the site depiction submitted under ITEM #20.

ITEM #11. NAD 83 is preferred; however, latitude/longitude may be submitted in NAD 27. Also, in some geographic areas where NAD 27 and NAD 83 are not available other datums may be used. It is important to know which datum is used. DO NOT LEAVE BLANK.

ITEM #12. Enter the name of the nearest city/state to the site. If the structure is or will be in a city, enter the name of that city/state.

ITEM#13. Enter the full name of the nearest public-use (not private-use) airport (or heliport) or military airport (or heliport) to the site.

ITEM #14. Enter the distance from the airport or heliport listed in #13 to the structure.

ITEM #15. Enter the direction from the airport or heliport listed in #13 to the structure.

ITEM #16. Enter the site elevation above mean sea level and expressed in whole feet rounded to the nearest foot (e.g. 17' 3" rounds to 17', 17'6" rounds to 18'). This data should match the ground contour elevations for site depiction submitted under ITEM #20.

ITEM #17. Enter the total structure height above ground level in whole feet rounded to the next highest foot (e.g. 17'3" rounds to 18'). The total structure height shall include anything mounted on top of the structure, such as antennas, obstruction lights, lightning rods, etc.

ITEM #18. Enter the overall height above mean sea level and expressed in whole feet. This will be the total of ITEM #16 + ITEM #17.

ITEM #19. If an FAA aeronautical study was previously conducted, enter the previous study number.

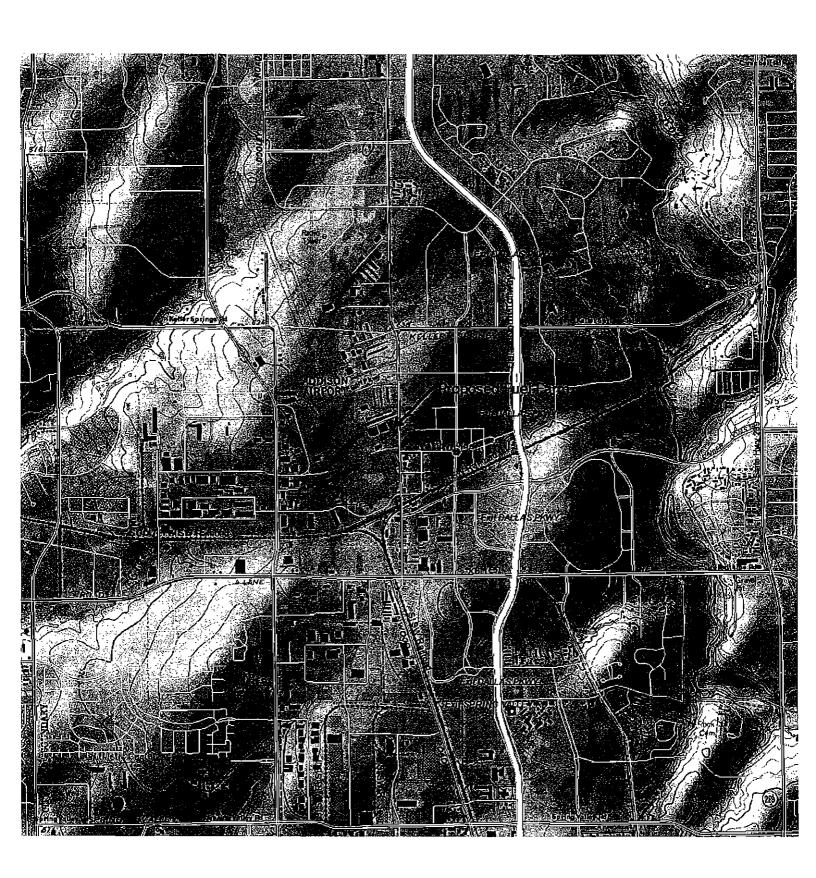
ITEM #20. Enter the relationship of the structure to roads, airports, prominent terrain, existing structures, etc. Attach an 8-1/2" X 11" non-reduced copy of the appropriate 7.5 minute U.S. Geological Survey (USGS) Quadrangle Map MARKED WITH A PRECISE INDICATION OF THE SITE LOCATION. To obtain maps, Contact USGC at 1-800-435-7627 or via Internet at "http://mapping.usgs.gov". If available, attach a copy of a documented site survey with the surveyor's certification stating the amount of vertical and horizontal accuracy in feet.

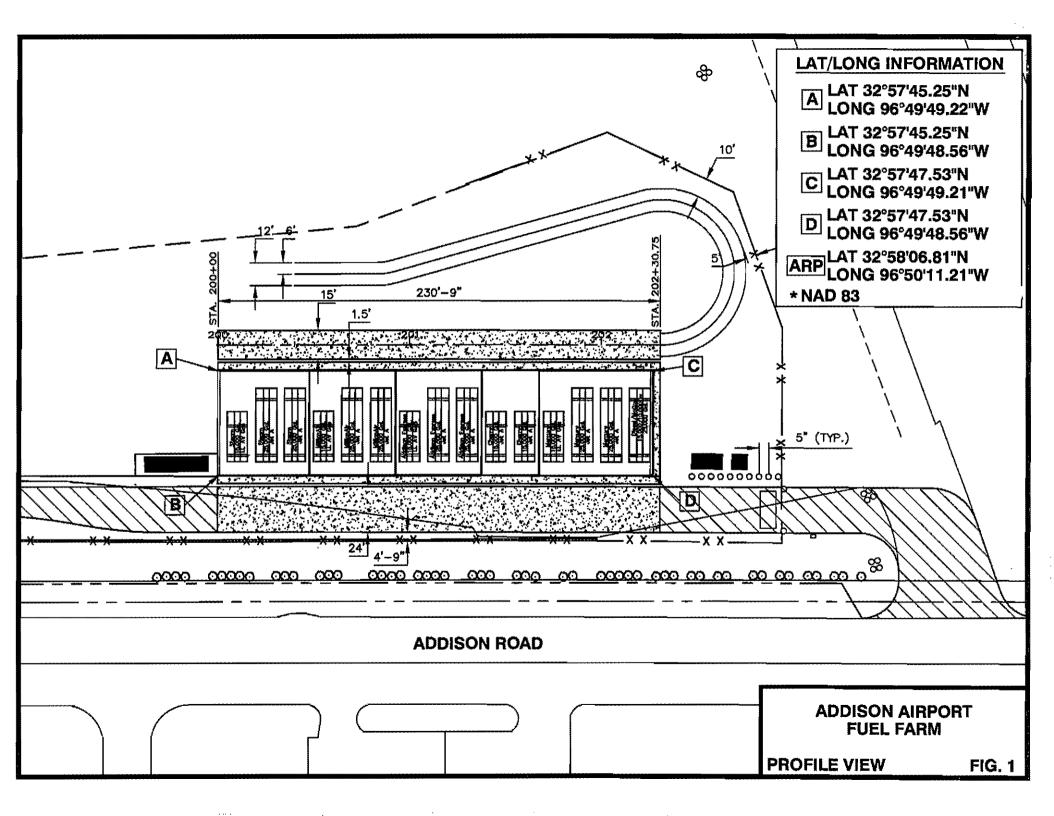
ITEM #21.

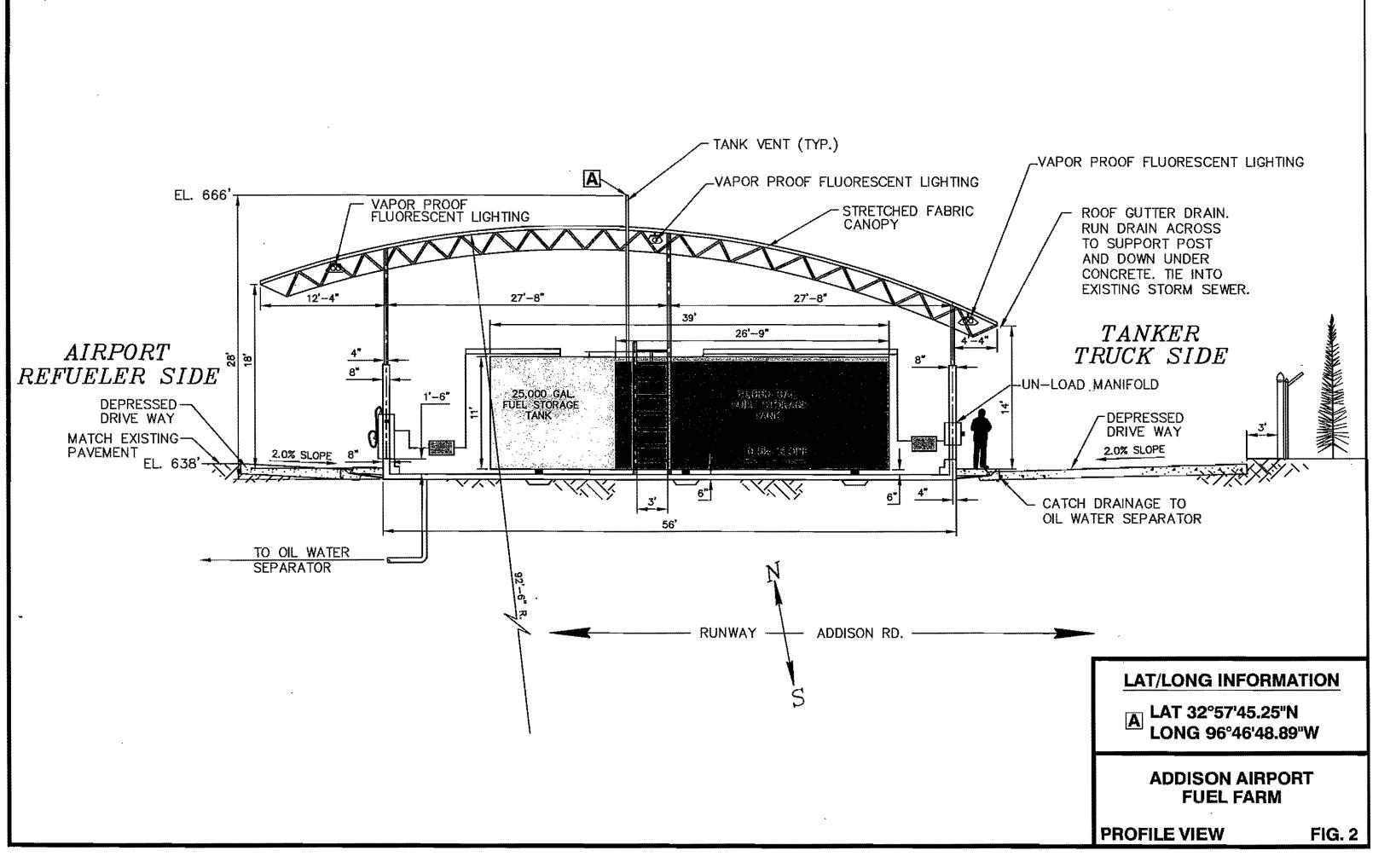
- For transmitting stations, include maximum effective radiated power (ERP) and all frequencies.
- For antennas, include the type of antenna and center of radiation (Attach the antenna pattern, if available).
- For microwave, include azimuth relative to true north.
- For overhead wires or transmission lines, include size and configuration of wires and their supporting structures (Attach depiction).
- For each pole/support, include coordinates, site elevation, and structure height above ground level or water.
- For buildings, include site orientation, coordinates of each corner, dimensions, and construction materials,
- For alterations, explain the alteration thoroughly,
- For existing structures, thoroughly explain the reason for notifying the FAA (e.g. corrections, no record of previous study, etc.).

Filing this information with the FAA does not relieve the sponsor of this construction or alteration from complying with any other Federal, state, or local rules or regulations. If you are not sure what other rules or regulations apply to your proposal, contact local/state aviation and zoning authorities.

Paperwork Reduction Work Act Statement: This information is collected to evaluate the effect of proposed construction or alteration on air navigation and is not confidential. Providing this information is mandatory for anyone proposing construction or alteration that meets or exceeds the criteria contained in 14 CFR, part 77. We estimate that the burden of this collection is an average 19 minutes per response. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless R displays a currently valid OMB control number. The OMB control number for this collection is 2120-0001.







Fuel Farm 10-21-04 Gas Line Relocation Gas line is most lekely in conflict with new fuel farm. Gas like must be relocated, bor deepened at a near its present location. This must be done before fuel farm construction begins - (why can't duct bank be brought up against the bottom of the bathtub to Save depth?) George Melendez* 1. Meet with Howard Lowis in the field to explain setuation and gove him plans. We need to know the elevation of the bottom of the duct bank and clear it by at least 3 feet Pot hole gas line - preferrably by the gas co (we could do it) and get elevations on the gas sine 3. Order Howard to relocate, or deepen gos line now George Melender Atmos Energy Garland, TX 75040

HP LaserJet 3200se

HP LASERJET 3200

OCT-20-2004 5:46PM



Fax Call Report

Job Date

Time

Туре

Identification

Duration

Pages

Result

505 10/20/2004

5:44:41PM

Send

913038433133

1:49

7

OK

TOWN OF

ADDISON

PUBLIC WORKS

o: Sem Lundgren

FAX #: 1-303-843-3/33

Date: 10-20-04

From: Jim Pierce, P.E.

Asst. Public Wks. Dir. Phone: 972/450-2879 FAX: 972/450-2837 ipterce@ci.addison.tx.us

16801 Westgrove P.O.Box 9010

Addison, TX 75001-9010

Re: Evel Farm

Comments: Sam: Referring to the aregation
Phase TIT go by Section IF Proposed
Form, Sect MB Maintener Bond and
Appender Semple of Teyes Sales tax Exemption
Cirtifereti were all missing from your
Spel book. All these sections are
necessary. The areast Phase TII, Proposed
in for whit Price for but the
Summary at the end is applicable.
The print the Proposed Form and
Modify it for the Proposed Form and
Modify it for the AtB flature we
want. I am also attacking a draft
of a Bil Proposed or are working on
If another job. It is applicable
Lexicost it needs to be thoughts

Fax to Sam Lundgren Page 2 to apply the additive alternate as I drewt on the chalk board. Please let me review the proposel form as soon as possible. Hope this helps and makes sense.

Jim____

SECTION B

FOR PROJECT NAME

		Addison, Texas Date: <u>DAY, DATE, YEAR</u>
PROPOSAL OI	F:(Contractor)	
Check appro	priate business entity.	
	A corporation organized and existing under the	e laws of the State of Texas.
	A corporation organized and existing under the non-Texas Corporation, please attach a copy of Incorporation)	•
	A partnership consisting of	•
	A sole proprietorship owned by	, an individual.

DO NOT REMOVE BID PROPOSAL FROM SPECIFICATION BOOK SPECIFICATION BOOK TO BE SUBMITTED IN IT'S ENTIRETY

To:

THE TOWN OF ADDISON, TEXAS

5350 BELTLINE ROAD ADDISON, TEXAS 75001

and the plans,

The undersigned bidder, pursuant to the foregoing advertisement for bids, has carefully examined this proposal, the contract documents, special provisions, general provisions, special specifications, and the specifications, and will provide all necessary labor, superintendence, machinery, equipment, tools, materials, services and other facilities and complete fully all the work as provided for in the specifications and contract documents; and binds himself upon formal acceptance of this proposal to execute a contract and bonds, according to the prescribed forms, for performing and completing the said work within the required time.

It is understood that the following quantities of work to be done are approximate only, and are intended principall to serve as a guide in figuring out the bids. It is further understood that the quantities of work to be done and materials to be furnished may be increased or decreased as may be considered necessary, in the opinion of the engineer, to complete the work as fully planned and contemplated, and that all quantities of work whether increased or decreased are to be performed at the unit prices set forth below except as provided for in the specifications.

Unit prices are to be shown in both words and figures. In case of a discrepancy, the amount shown in words will govern.

The upit prices shall include all labor, materials, equipment, overhead, profit, insurance, etc., to cover the completed work of the several kinds called for.

The work proposed to be done shall be accepted when fully completed and finished in accordance with the plans and specifications, to the satisfaction of the OWNER.

The undersigned certifies that the bid prices contained in this Proposal have been carefully checked and are submitted as correct and final.

The undersigned bidder hereby declares that he has visited the site of the work.

In the event of the award of a Contract to the Bidder, the Bidder will furnish Performance and Payment Bond for the full amount of the Contract, to secure proper compliance with the terms and provisions of the Contract, to insure and guarantee the work until final completion and acceptance, and to guarantee payment of all lawful claims for labor performed and materials furnished in the fulfillment of the Contract.

She bid for the construction of this project, Complete and in operation, Shall be a lump sum,

2 of 5

Receipt	is acknowledged of the following addenda:
	Addendum #1 Addendum #2 Addendum #3 Addendum #4
Respect	fully Submitted,
•	(Name of Contractor)
Ву:	
	(Authorized Signature)
·	(Title)
Address	<u> </u>
City:	
	Zip:
Telepho	ne: Fax:

Seal if bidder is a corporation

BID SCHEDULF "A" PROJECT NAME
BID PROPOSAL FOR WESTFIELD WATER SERVICE REPLACEMENT

MAPROX Markov Markov Markov		ENTONIOE PREVIOUS WITH HERE ES WANTETEN EN VYOR AS		OMEGE / AMORPHE
1. XX	EA and		Dolfars \$	\$

LUMPSUM BID TOTAL FOR PROJECT NAME: (SCHEDULE "A")

4

DO NOT REMOVE BID PROPOSAL FROM SPECIFICATION BOOK SPECIFICATION BOOK TO BE SUBMITTED IN IT'S ENTIRETY

BID SCHEDULE SUMMARY PROJECT NAME

		cription			Total Amount Materials & Services
Schedule "/	\" item o	lescription (such as Water	Service Repla	
					\$
TOTAL AM	OUNT BIE		EDULE "A"		
		=TOTAL	OF STANDAR	D BID (A)	\$
		WRITTE	N IN WORDS:_		
<u>, </u>		٦	TOTAL OF TIMI	E BID:	(Calendar Days
TOTAL OF	CALEND	AR DAYS X	(\$###.00 (B):		\$
+p1	(n (R)	WRITTE	N IN WORDS:		
Mund by a	as ((5)				
ВА	SIS FOR (COMPARIS	ON OF BIDS:	V	
		(A) + (B)	= TOTAL BID	s :	\$
		WRITTE	N IN WORDS:_		
		WRITTE	N IN WORDS:_		
Notes: 1.		ems, labor,	materials, eq	uipment, faci	lities, incidentals, and work require
Notes: 1.	const the p	ems, labor,	materials, eq ne project are to payment for the	uipment, faci	
Notes: 1.	const the p const Price	ems, labor, ruction of the roject and pruction of the s must be s	materials, eq ne project are to payment for the ne project.	uipment, faci o be provided e cost of such and figures f	lities, incidentals, and work require and installed by the Contractor as
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2.	const the p const Price event It is u liquid	ems, labor, ruction of the roject and proction of the s must be so of discrepant	materials, eque project are to payment for the project. Shown in words incy, the words that the Bid Seges in the ever	uipment, facion be provided e cost of such and figures fishall control. ecurity shall but a contract	lities, incidentals, and work require and installed by the Contractor as a shall be included in the price bid for each item listed in this proposal. The collected and retained by the Owies awarded by the Owner based of
2.	const the p const Price event It is t liquid propo fails t	ems, labor, ruction of the roject and pruction of the smust be sof discrepand and ated damages al within rolexecute to the ruction of the recept the recep	materials, eque project are to payment for the project. Shown in words incy, the words that the Bid Seges in the even inety (90) days the contract and	uipment, facion be provided a cost of such and figures for shall control. The curity shall but a contract a calendar day i required bon	lities, incidentals, and work require and installed by the Contractor as a shall be included in the price bid to each item listed in this proposal. The collected and retained by the Owner is awarded by the Owner based of after receiving bids and the under ds within seven (7) calendar days from
2.	const the p const Price event It is u liquid propo fails t date perio	ems, labor, ruction of the roject and pruction of the smust be sof discrepanderstood ated damages within role execute the Contract, if the corticular if the contract, if the contract is the contract in the contract in the contract is the contract in th	materials, equence project are to payment for the payment for the peroject. Shown in words ancy, the words that the Bid Seges in the even innety (90) days the contract and ctor is notified and attact has been	uipment, facion be provided and figures for shall control. ecurity shall be not a contract a calendar day and has received and executed and and and and and and and and and an	lities, incidentals, and work require and installed by the Contractor as a shall be included in the price bid for each item listed in this proposal. The collected and retained by the Owner based of a safter receiving bids and the under ds within seven (7) calendar days frowed the conformed documents. After the required bonds have been substituted in the required bonds have been substituted in the required bonds have been substituted.
2.	const the p const Price event It is u liquid propo fails t date perio	ems, labor, ruction of the roject and pruction of the smust be sof discrepanderstood ated damages within role execute the Contract, if the corticular if the contract, if the contract is the contract in the contract in the contract is the contract in th	materials, equence project are to payment for the payment for the peroject. Shown in words ancy, the words that the Bid Seges in the even innety (90) days the contract and ctor is notified and attact has been	uipment, facion be provided and figures for shall control. ecurity shall be not a contract a calendar day and has received and executed and and and and and and and and and an	lities, incidentals, and work require and installed by the Contractor as a shall be included in the price bid to each item listed in this proposal. The collected and retained by the Owner based of a safter receiving bids and the under ds within seven (7) calendar days froved the conformed documents. After

5 of 5





IN-PLANT VALVES

CLOW MUD VALVES



Available End Connections & Size Range

Flanged End, Non-Rising 4"-24"
Flanged End, Rising Stem 4"-24"
Spigot End, Rising Stem 4"-24"
Spigot End, Non-Rising Stem 4"-24"

Available in either non-rising, rising or sliding stem.

NOTE: Flanged ends are faced and drilled to ANSI 125 pound template except holes under yoke where attached to flange are omitted.

Accessories

Handwheels
2" Square Operating Nut
Floorstands (NRS and R.S.)
Extension Stems
Electric Motor with Extension Stem
Manual Actuator
"T" Handles
Stem Guides
Floor Boxes

Size Range	Working Pressure
4"-24"	Recommended for use in lines of low seating or unseating pressures only













Jim Pierce

From: Jim Pierce

Sent: Monday, October 04, 2004 5:08 PM

To: 'Lundgren, Samuel'

Cc: Pyles, Lisa; Rood, Neil; Mark Acevedo Subject: RE: Specifications and Project Update

Sam: The construction time value language should be in the front end specs CD I gave you. The Instructions to Bidders, Para. I, Completion time, is the first reference. It refers to the Proposal Form and the Special Provisions. The next reference is Para. R, Cost plus Time Bidding.

Next is the Proposal Form. Your proposal form should be set up for a Lump Sum Bid and you will need to show the spot that the contractor writes in the number of days for his bid. The time value of a day we have set is \$3,000.00 per day.

Next is the Special Provisions, Para. 29, Award and Execution of Contract.

That is all of the references to A+B Bidding.

OK on your Numbers 1 and 2 below.

Jim Pierce, P.E. Assistant Public Works Director P.O. Box 9010 Addison, TX 75001-9010 972-450-2879

----Original Message----

From: Lundgren, Samuel [mailto:Samuel.Lundgren@wgint.com]

Sent: Wednesday, September 29, 2004 3:22 PM

To: Jim Pierce

Cc: Pyles, Lisa; Rood, Neil

Subject: Specifications and Project Update

Jim,

I have final on the specifications which I am ready to send for your review. Please send the bid "construction time value" language you wanted inserted into the bid and general instructions section and I will forward the final specifications book.

Also, Raquel Morton, Associate, from David C. Baldwin Landscape Architects, will be sending 4 copies of the new "concept" plan for your review and selection. Concept A is a curved tree line plan that accommodates the drainage path and retention area into the storm line headwall along the new 10' c/l fence. Concept B is more of a zig-zag tree line. She feels they can have their plans ready in about one week, after concept selection.

Our final plan check and quality review is set for tomorrow, with cleanup and dispatch of final plans for your review on Friday.

For some of the questions from our previous meeting:

1. I have review the specification sheets on Ultraviolet/visible light fire detectors and do not recommend them for this application, the units are line of sight, so to mount them where the sunlight would not be a problem would mean that a substantial flame had developed before the alarm would indicate. The rate of rise type we have selected will alarm from heat under the canopy at 170 degrees (F) before the canopy fabric is effected and shrinks back (estimated at +300).

degrees).

2. Texas Administrative Code Title 30, Part 1 Chapter 334 requires that we "register" new Above Ground Storage Tanks (ASTs) with TCEQ prior to receiving delivery of fuel and common carriers are prohibited in delivering fuel until they have been provided a copy of the AST registration certificate. They ask for at least 30 day notification prior delivery and startup of the AST. Forms are available on line and I have all of the technical information.

Thanks for your patience and guidance, Respectfully,

Samuel Lundgren, P.E.
Program Manager
Washington Group International, Inc.
7800 E. Union Avenue, Suite 100
Denver, CO 80237
Phone (303) 843-3596, Fax (303) 843-3133, Cell (720) 530-7315

PROPERTY SERVICES, LID.



4950 Keller Springs Road, Suite 480 Addison, TX 75001 (972) 392-3222 (FAX) 392-0102

Fax Cover Sheet

October 7, 2004

of Pages (incl. cover)

To:

Mr. Jim Pierce Town of Addison P.O. Box 9010 Addison, TX 75001

Phone: (972) 450-2860

(972) 450-2837

r none,	(9/2) 450-2000		rax: (o	12) 430-2031
From:	Dan Franklin			Faxed by: DLF
Re:	Lime pH series ECS Job # 19:3846 — Bi	ulk Fuel Storage Sys	stem	
Origin	als to Follow Via:	FedEx/UPS	Courier	X N/A
Remar	ks: Urgent	Reply ASAP	For Your Re	eview Please Comment
Note I co	ched are the results from t	a distinct break after cification on lime tre ssociation may be o	2 % with no meas atment f better help.	urable gain up through 10 %.
Bes	ase call if you have questic t regards, Franklin	ons.	e ant line	

site with airport personnel prior to construction activities beginning. Contractor will be required to attend a "Driving School" at the airport prior to construction. All employees of the contractor operating vehicles on the airport property will be required to attend the class.

NOT USED

FINAL ACCEPTANCE OF WORK

Final acceptance of the Work is subject to approval by the Town of Addison.

WORK AREA

Contractor shall restrict his construction activity to the project limits.

CONTRACTOR'S AFFIDAVIT OF BILLS PAID

The Contractor shall be required to execute the form provided in Section BP prior to the acceptance of the project.

PAY ITEMS

Pay items provided are intended to be all-inclusive of the work required on this project. Work required by the plans or specifications but not provided with a specific pay item shall be considered incidental to other items of work.

Final payment to the construction contractor shall not be made until all Work has been finally completed and verified in accordance with the construction contract, plans and specifications and have been finally accepted by the Town of Addison.

SAMPLES AND TESTS OF MATERIALS

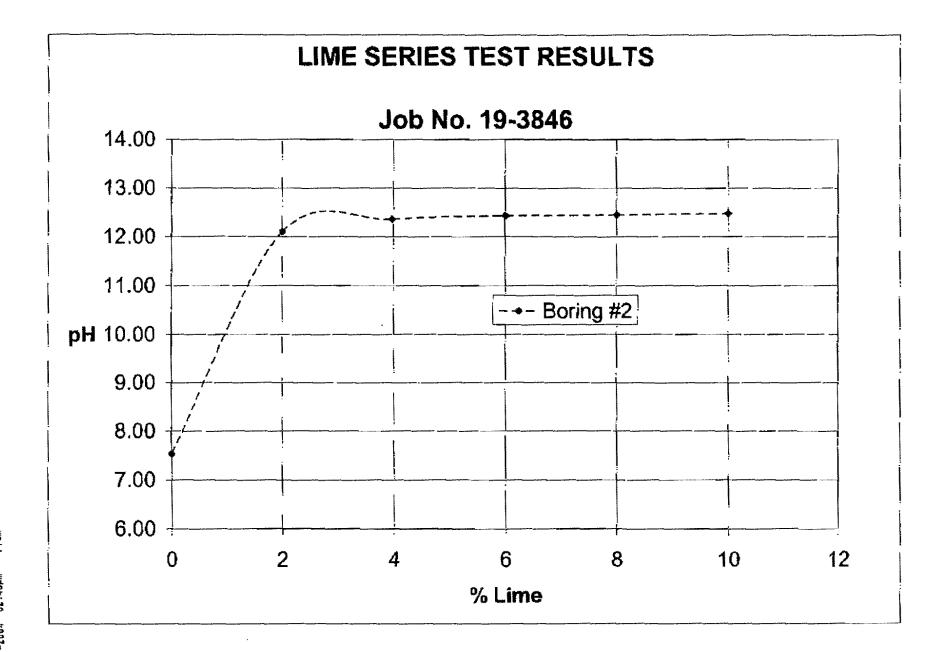
The <u>Contractor</u> shall designate and pay a recognized testing laboratory, approved by the Owner, to perform all asphalt mix design for this project. Such designation shall be subject to the approval of the <u>Owner</u>. Samples of all materials for tests shall be taken by the <u>Contractor's</u> authorized representative at the discretion of the <u>Owner</u>.

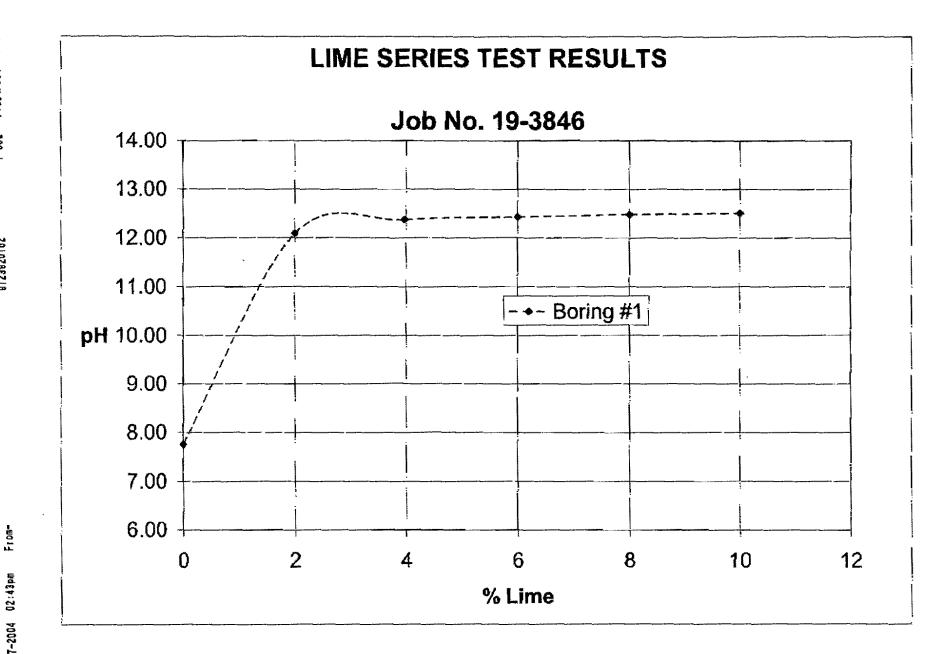
All samples and tests shall be performed in accordance with the Standard Specifications for Public Works Construction, North Central Texas Council of Governments (3rd Edition, 1998) as amended or supplemented.

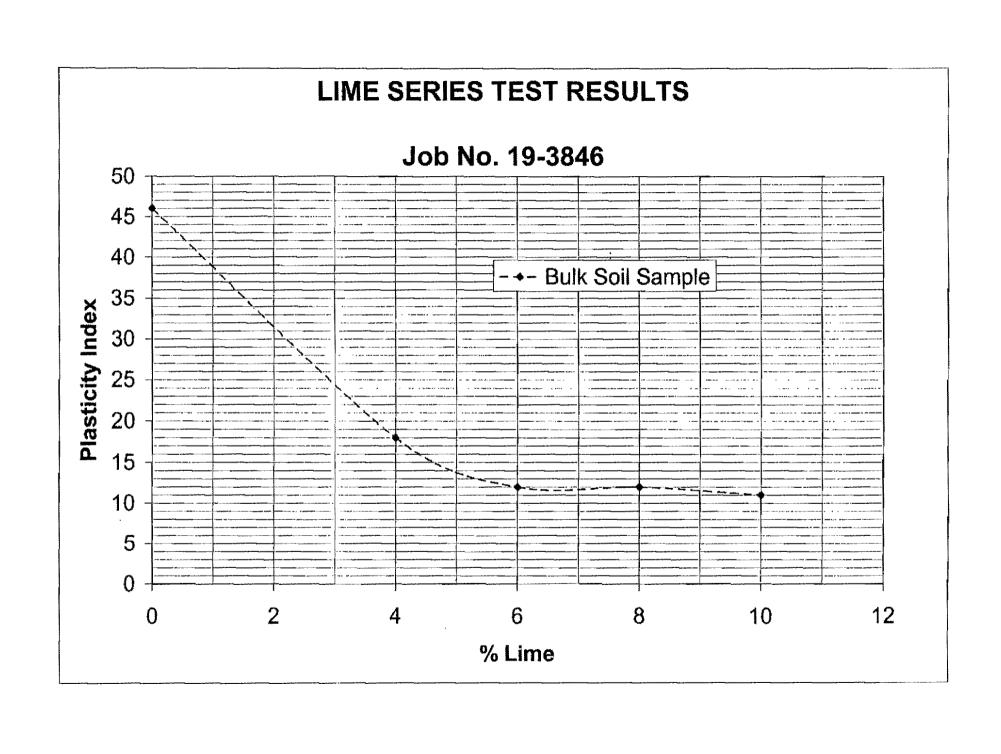
All asphalt mix designs and supporting data shall be submitted to the Owner for approval and accepted at least ten (10) days prior to placing asphalt. All costs for testing and lab work shall be paid by the Contractor and will be subsidiary to other bid items. Item 5.7.4.(i) & (j) in the NCTCOG specifications will be utilized to conduct eight (8) tests.

LIME TREATMENT

Lime stabilization will be performed in accordance with Item 4.6 of the North Central Texas Council of Governments Standard Specifications for Public Works Construction (3rd Edition, 1998). The lime stabilized subgrade should be compacted to at least 95 percent of the maximum density as determined by Texas SDHPT Test Method Tex-113-E. A minimum of 8 percent by dry weight (48 pounds per square yard per 6-inch depth) is required.







SWELL TEST RESULTS BULK FUEL STORAGE FACILITY SWC OF ADDISON ROAD AND GEORGE HADDAWAY STREET ADDISON, TEXAS

ECS JOB NO. 19-3846

BORING	SAMPLE	DEPTH (ft)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	INITIAL MOISTURE (%)	FINAL MOISTURE (%)	LOAD (psf)	% SWELL
B-1	3	2-3	70	29	41	30.3	33.7	310	0.7
B-2	3	2-3	69	28	41	33.5	35.4	310	0.7

HP LaserJet 3200se

TOWN OF

HP LASERJET 3200

OCT-5-2004 9:13AM



Job	Date	Time	Туре	Identification	Duration	Pages	Result
257	10/ 5/2004	9:12:46AM	Send	913038433133	1:00	2	OK

ADDISON	PUBLIC WORKS			
To: <u>Sam Lundgren</u> Company: <u>Washington</u>	From: Jim Pierce, P.E. Asst. Public Wks. Dir. Phone: 972/450-2879 FAX: 972/450-2837 ipierce@ci.addkon.tx.os 16801 Westgrove P.O.Box 9010 Addison, TX 75001-9010			
FAX #: <u>/-303-<i>843</i>-3/33</u>				
Date: 10-5-04 # of pages (including cover): 2				
Re: Fuel Farm Specs				
☐ Original in mail ☐ Per your reques	•			
Comments: Sem - The Gener				
electronic Copy of 7 is not correct So	abstitute the attached			
instead. Thank				
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GENERAL PROVISIONS

- I. The General Provisions of the Contract shall be as stated in the Standard Specifications for Public Work Construction, North Central Texas Council of Governments (3rd Edition, 1998), under Part I, "General Provisions", Items 1.0 through 1.63 inclusive, as amended or supplemented and except as modified by the Special Provisions.
- 2. The Town of Addison will require the contractor to obtain "Umbrella" Liability Insurance, as described in 1.26.3 of the Standard Specifications for Public Work Construction, North Central Texas Council of Governments (3rd Edition, 1998), under Part I, "General Provisions".
- 3. The "Analysis and Recommendations section of the Geotechnical Report in the Appendix—will be strictly adhered to by the contractor throughout construction.—



TO	Sam Lundgren	
	Washington Group	
	J'	•

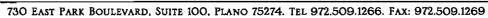
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If enclosures are not as noted, please notify us at once.

DAVID C. BALDWIN, INC. / LANDSCAPE ARCHITECTURE AND PLANNING





Tran	smittal			Date:	9/29/2004
Re:	ADDISON A	AIRPORT			
To:	PUBLIC WO	ORKS SERVICE CTR. TOWN OF	AI Copies to:		
<u>-</u>	Jim Pierce		_		
_	16801 Westg	grove Dr.			
	Addison, TX	75001	_		
_	972-450-287	9	<u> </u>		
Items	s enclosed:	Originals	x Specifications	Samples	
		<u>x</u> Prints	Reproductions	Other (see below)	
Via:		Printer -	Regular Mailx	Messenger	FedEx
No	o. of Items		Description		Dated
4 cop	ies	Landscape Plan (Preliminary)			9/29/2004
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Rv:	Tung D Huy	mh 14			

If enclosures are not included as noted, please contact us immediately.

Mee	ery with Fuelers			9/17/04
	Josh Martin Kurt Schmidt	Mercury Air	Center	912-930-0216 607-739-3597
	i) N/ No.	FirsTAIR	Gray Inc.	607-739-3597
	NAY STIERY JEFF CARR	Muse		214-707-9999
The state of the s	4 sa A Phles	ADS		2 392 4855
	MARK /KEVEDO	70A		2-450-2848
AAAAIIIII AAAA	Darci Yeuzil	ADS		2-392-4854
,	Jim Pierze	TOA	477	1-450-2879
	Phillip Brooks	Basseo Servi	<u>1005 214</u>	-352-4435

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Description:

Construct a centrally located aviation bulk fuel storage and dispensing system with 15 individual bulk fuel storage tanks, with off-load and five Fixed Base Operator (FBO) metered dispensing systems, in a consolidated, environmentally protected site, including tanks and operating equipment, with suitable architectural considerations to blend into the site. The horizontal mounted cylindrical tanks will have an approximate dimension of ten and onehalf feet (10 ½') diameter by forty-three feet (43') in length (25,000 gal), or alternatively, ten and one half feet (10 ½') diameter by twenty-six feet (26') in length (15,000 gal). Fuel storage tanks will be double wall, 2-hour fire rated, protected tanks. Primary products to be dispensed arc Low Load AVGAS and Jet A Fuel, with one two-compartment tank of 10,000 gal & 15,000 gal, with dispensing equipment for LL MoGas and Diesel. The Jet A. the off load systems will be capable of off loading a 8000 gallon over the road fuel tanker truck in 20 minutes, at approximately 350 gallons/minute and the dispensing systems into the Airport refueling vehicles will be rated at approximately 300 gallons/minute. Industry standard filtration systems with automatic shutdown and alarms will be installed on the off-load side of the storage tanks, to protect product in the fuel storage tanks. Overflow protection devices will be installed on all fuel storage tanks and connected to the pump control panel. Pump/dispensing control panel or panels, will be logically sequenced, gauged to fuel storage tanks for fuel level indication, and clearly marked for ease of operations. An oil/water separator will be installed and connected to the secondary containment dike area, using a valve connection and the off-load/dispensing pad to allow for immediate washdown of any spilled product. The off-load/dispensing pad will be large enough to provide a designated parking spot for any aircraft-refueling vehicle that develops a leak. Fuel storage area will have explosion proof electrical fixtures and control panel. An 1 ½" water line will be required for emergency eye wash unit and a 1" hose and reel unit installed for wash down. The hose must reach all areas of the facility, including the oil/water separator. An emergency telephone/intercom/transmitter device will be installed with direct link to the Main Fire Station alarm room. Fuel storage tanks will be mounted in an 18" high concrete low wall secondary containment area, connected to the oil/water separator so that any major spill in the containment area can be washed down and pumped out through the oil/water separator. Design will include area lighting, site storm drainage and connection, any required utilities relocation, and site appearance considerations. Access from the outside (airport land side) will be controlled with electrically operated gates and/or a code or key access pad. Paved access will be required from the street and from the airfield areas. Street connection will include driveways, curb and gutter.

Division 1. General Conditions	3 Inc Mobilization	\$31,900.00
Division 2. Site Construction		
Site Clearing		\$7,500.00
Earthwork		\$8,750.00
Water Distribution		\$4,750.00
O/W Sep & Draina	nge	\$57,900.00
Asphalt Pvmt		\$33,500.00
Concrete Pvmt	Roads	\$36,800.00
Chain Link Fence		\$22,500.00
Division 3. Concrete		
Cast-in-Place	Boothful-	\$102,500.00
Division 5. Metals		
Metal Stairs	Catualk	\$22,800.00
Pipe & Tube Railir	ngs 1	\$12,500.00
Gratings	<u> </u>	\$2,800.00

Division 7. Thermal Protection		
Fire Resistive Material	Costus Steel	\$48,500.00
Division 10, Specialties		
Fire Protection	6-2016 ext.	\$1,150.00
Division 13. Special Construction		
Fuel System Pipe		\$27,900.00
Fuel System Valves		\$22,400.00
Accessories	(Jul System	\$34,600.00
Pumps		\$22,100.00
Filtration		\$30,500.00
Lighting Protection		\$3,100.00
Fabric Structures	Structure & Fatric Fabric 70K)	\$345,500.00
Fuel Storage Tanks		\$415,200.00
Fuel Dispenser	Mr Gas	\$13,900.00
Electric Gates		\$32,400.00
Division 15. Mechanical		
Domestic Water Piping		\$2,250.00
Water Specialties	Red unt, the bibs	\$10,500.00
Drainage Specialties	Red unt, Hose bibs Catch Basins, See. Containting	\$22,800.00
Storm Drainage Piping		\$26,800.00
Emergency Plumbing	Eyenosh	\$1,150.00

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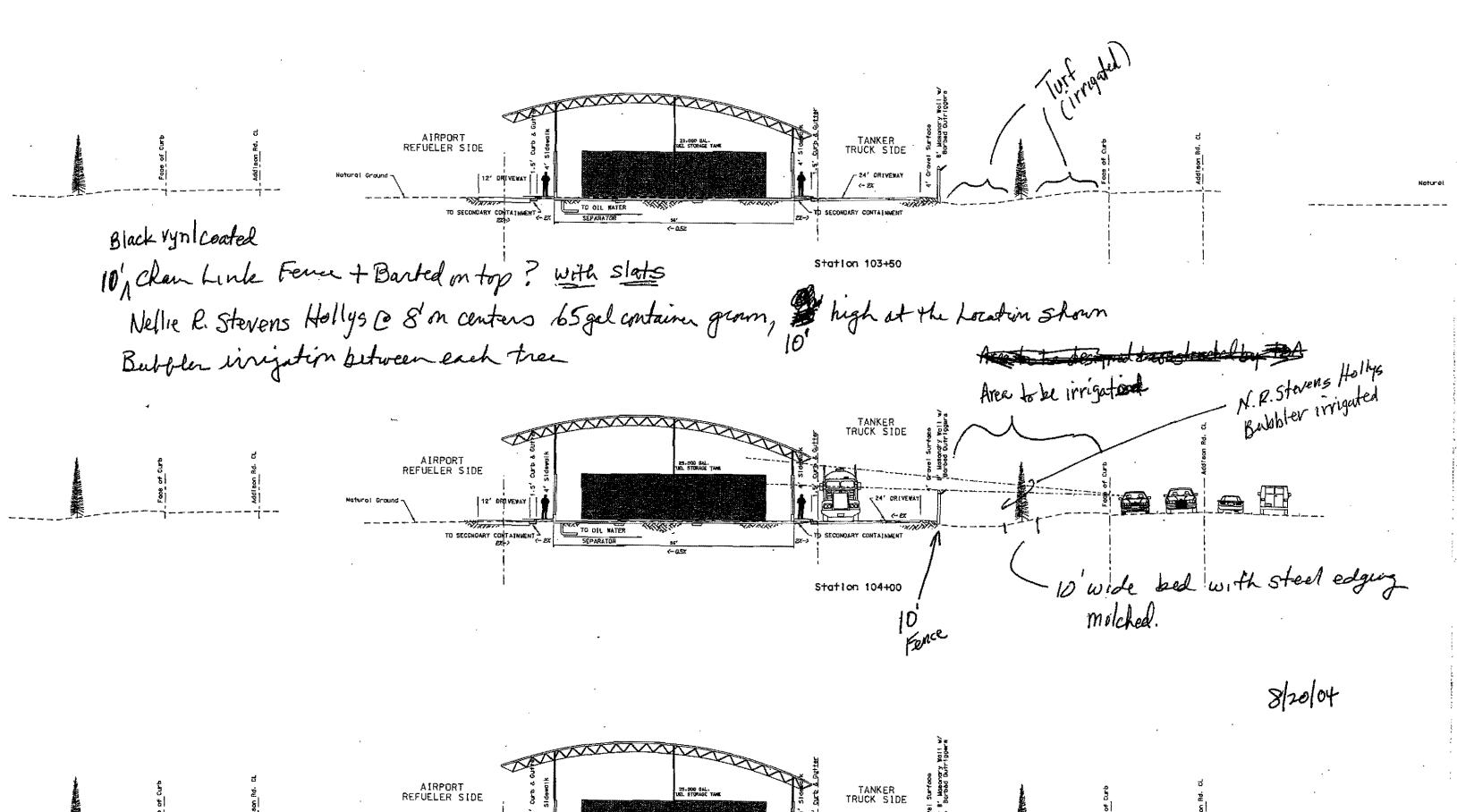
LETTER OF TRANSMITTAL

SIGNED:

If enclosures are not as noted, please hours us at once.

Sugge 'ed Landscope Arch:

Deve Baldwin 972-509-1266



Meeting with Ron, Chris Randy Lisa Bill, Mark, Just

8-19-04

AGENDA

Addison Airport New Bulk Fuel Storage and Dispensing Facility (Fuel Farm)

2:00 P.M. - Town Hall

- > Site Plans
 - o Specs & Construction documents for bidding
 - o Canopy
 - o Landscape
 - o Dates
 - 8/24 comments back from Fire Dept.
 - 8/27 all comments back to Sam L.
 - 9/17 Final construction review mtg.
 - Staff morning
 - FBO's afternoon
- Cost to FBO's
- > Certificates of Obligation \$ amount

Randy will shird out who to send plans to for insurance review— Periew Wall— Chain link fine? with Slots? Chain link fine? with Slots?



Facilities with aboveground storage tanks containing petroleum products need to be aware of the stricter requirements of the new SPCC rules

By John Adams, PE

Agency press release (EPA Region 8, 11/24/2003) reads as follows: "The U.S. Environmental Protection Agency's Denver office is seeking penalties of more than \$400,000 against 17 facilities in North Dakota for violations of the federal Clean Water Act's Spill Prevention Control and Countermeasure (SPCC) Plan Regulations."

EPA recently finalized new regulations [Title 40, Code of Federal Regulations, Part 112 (40 CFR 112)] regarding SPCC plans. This rule is applicable to all owners of aboveground oil and gasoline storage tanks. The rules have been in effect since the early 1970s but the new revisions were made to clarify the rule's language and organization. The requirements were initially put in place in 1973 and this new rule became effective August 16, 2002. EPA extended compliance with changes until August 2004; but compliance with the old rules is still required. After February 2005, operators of aboveground

storage tanks (ASTs) must prepare and implement an SPCC plan before beginning operations. EPA is currently inspecting AST sites and recent inspections have included diverse groups ranging from country clubs and car rental agencies to nursing homes.

The final rule is complex and covers more than 100 pages, including comments. EPA has tried to make understanding the rule easier with several summaries and brochures on the EPA Web site.

Key Elements of the New SPCC Law

If a facility has more than a total of 1,320 gallons of total aboveground petroleum storage capacity, it probably will have to comply with the EPA's SPCC regulations. The 1,320-gallon capacity is determined by measuring the contents of all containers with a capacity of 55 gallons or more, including all petroleum products and animal oils and fats. All these storage drums and tanks must have secondary containment and be included in a written

control and countermeasures plan. Note that EPA's focus is on the capacity and not the amount stored. If a facility has a 2,000-gallon tank but only stores 500 gallons in it, the law says the entity has 2,000 gallons of storage.

Overall, the rule continues to apply to owners or operators of facilities that drill, produce, gather, store, use, process, refine, transfer, distribute, or consume oil or oil products. (See the table Target Industries Identified in 40 CFR 112 for EPA's list of target entities.) This rule includes such diverse owners/operators as farmers, automobile lots, and school districts. It also includes storage for emergency generator fuel at locations such as hospitals. If you have aboveground storage capacity that totals more than 1,320 gallons of petroleum products, including all tanks and drums 55 gallons and larger, and the tanks are in a location where the drainage might eventually drain into navigable water, the law applies. Revisions incorporated into the new SPCC regulations

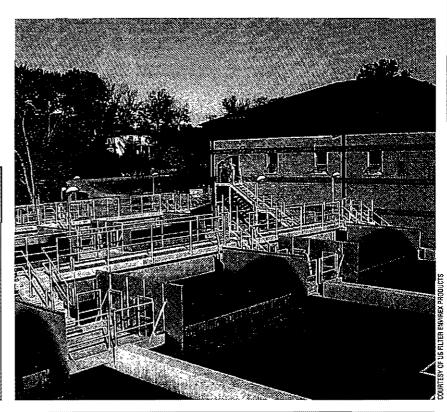
D. (Bob) Sproull, PhD, PE, is director of industrial sales and marketing at USFilter Envirex Products. He has 20 years of experience in developing, marketing, and selling wastewater treatment processes and equipment. Bob has an BS, MS, and PhD in chemical engineering from Purdue University in West Lafayette, Ind., as well as an MBA from Webster University in St. Louis, Mo. Sproull can be reached at (262) 521.8273 or sproullb@usfilter.com.

For more information, circle 303 on card.

Definitions of Terms

- Aerobic bacteria: microbes that require oxygen to survive.
- Facultative bacteria: microbes that can survive with or without oxygen.
- Inert: material that is not readily degradable. In the context of the article, examples include diatomaceous earth, clay, sand, and grit.
- Lysis: when a cell breaks apart and loses its contents.
- Wasting biological solids: refers to sending biological solids for dewatering.

Additional vertical loop reactors are part of the planned expansion at the Alpine Cheese Company's wastewater treatment plant.



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- PORTABLE OAM WITH "L" BRACKET SUPPORTS Sizes: 750-15,000 Gallons.
- Prevents contaminated liquids from going down storm drains.

Dealarship inquiries invited

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Pressure Systems also offers high accuracy resonant quartz and vibrating cylinder transducers for engine test, metrology, air data, industrial applications and more. These devices are shock, acceleration, and vibration resistant over a wide pressure range, making them ideal for any harsh environment.

Systems and Scanners

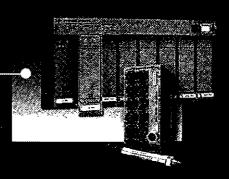
Pressure Systems' intelligent systems for multiple pressure measurements feature embedded microprocessors with digital sensor compensation for guaranteed system accuracy and Ethernet connectivity. These pre-engineered systems are ideal for turbomachinery test stands, industrial process monitoring, portable test systems, etc.

There's a Pressure Systems solution for just about every level or pressure measurement need. For more information, or to order KPSI transducers online, visit us at:

www.pressuresystems.com





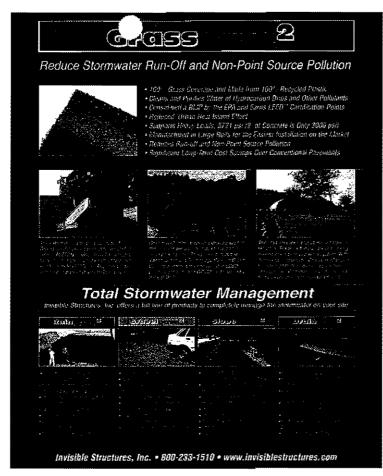


PRESSURE SYSTEMS

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Tel: +44-1252-510000
Fax: +44-1252-510000
e-mail: psi@westonaero.com

Sensing the Enviranment

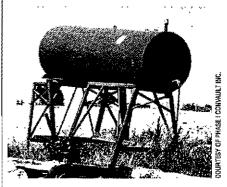


Circle 28 on card.



include the exemption of completely buried storage tanks and the exemption of portions of certain facilities used exclusively for wastewater treatment. These facilities have their own rules.

One of the unique areas of emphasis for EPA is the requirement of secondary containment for the bulk trucks that refill the storage tanks. Not only does the SPCC plan have to have procedures for containing a spill from the tanks, the facility must have procedures and containment for the



The old-fashioned, unsafe way to store fuel aboveground.

bulk filling trucks. This requirement can present some unique problems because frequently these trucks fill the storage tanks from locations outside the containment area, such as parking lots.

The preparation of the plan is the responsibility of the ASTs' owner, but it must be certified by a licensed professional engineer. The plan must describe the preparations and implementation to prevent any discharge of oil into local waters. Oil as defined in this law is very broad and includes petroleum, oil mixed with other wastes, animal oils and fats, and oil from vegetables, seeds, nuts, etc. It also covers petroleum products such as grease, synthetic oils, and mineral oils. Additionally, the SPCC plan must at least address the following:

- Operating procedures the facility implements to prevent oil spills
- Control measures installed to prevent oil from entering navigable waters
- Countermeasures to contain, cleanup, and mitigate the effects of oil spills

This means that an owner/operator might, for example, have to build a dike around bulk lube oil tanks or aboveground diesel tanks. The plan also must include record-

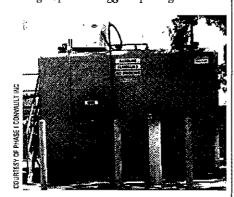
keeping, loading/unloading procedures, transfer procedures, and site security.

A key inspection area for EPA is recordkeeping. These records include, but are not limited to, annual training on

the SPCC, regular safety training to include SPCC information, and both weekly and annual inspections of tanks and equipment. Furthemore, the SPCC plan must be recertified by a registered

engineer every five years (unless there has been a major change in the site, in which case the SPCC plan must be updated as soon as possible).

Another important element of the SPCC program is the requirement for SPCC-regulated sites to report to EPA whenever two spills or discharges of 42 gallons or more occur within any 12-month period. If the spill is more than 1,000 gallons, only a single spill will trigger reporting.



The new standard in aboveground fuel storage.

When EPA Drops By for a Visit

As the press release from EPA indicates, the agency has implemented a program to visit and inspect the SPCC plans at sites. EPA is using both agency employees and outside contractors to perform these inspections

In some cases, EPA may send a letter announcing that a site will be inspected in the near future and request a copy of the SPCC plan before the arrival of the inspectors. However, EPA is also making unannounced inspections where the facility's SPCC plan is reviewed on site by inspectors. The facility also will need to provide relevant documentation of operating procedures, spill prevention measures, personnel training, inspection procedures, drainage discharges, and spill incidents.

Additionally, the inspectors may conduct an unannounced drill during which they will inspect the condition of spill containment equipment and evaluate the facility's ability to respond to a spill.

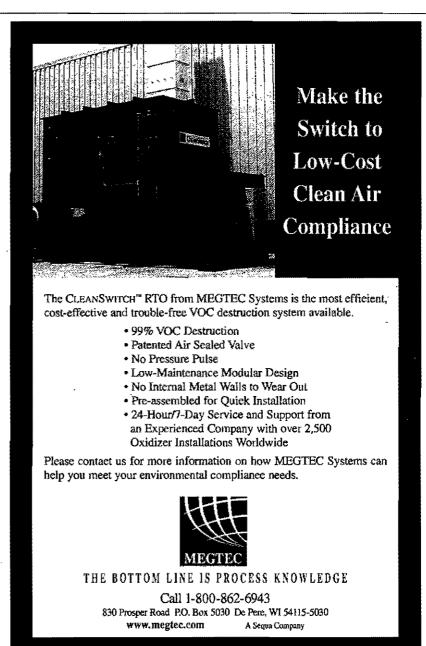
EPA is currently inspecting AST sites and recent inspections have included diverse groups ranging from country clubs and car rental agencies to nursing homes.

In March 2004, EPA held a public meeting with interested stakeholders explaining the results of the settlement agreements

from two lawshits, American Petroleum Institute vs. U.S. Environmental Protection Agency, Civil Action No. 02-02247, and Petroleum Marketers of America vs. U.S. Environmental Protection Agency, Civil

Action No. 02-02249,. These lawsuits were settled earlier this year and did clarify some specific areas. In particular, the rulings clarified issues associated with tank-integrity testing, fencing, loading racks

and the definition of impracticality. A key issue has been the requirement for secondary containment in loading racks. The



Target Industries Identified in 40 CFR 112

- Crop and Animal Production
- Crude Petroleum and Natural Gas Extraction
- Coal Mining, Non-Metallic Mineral Mining, and Quarrying
- Electric Power Generation
- Heavy Construction
- Petroleum and Coal Products Manufactuing
- Other Manufacturing
- Petroleum Bulk Stations
- Gasoline Stations
- Heating Oil Dealers
- Automotive Rental and Leasing
- Elementary and Secondary Schools and Colleges
- Hospitals and Nursing Homes

wording now refers to "loading and unloading areas." It appears that the interpretation will be that the area where a bulk truck fills these smaller tanks will fall under the rules for "undiked drainage" and will require some type of containment. Much more information concerning the settlement agreement is available at www.cpa.gov/oilspill/index.htm.

Overall, these regulations are still being resolved, but it appears that EPA

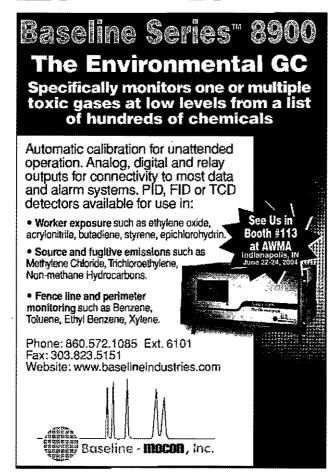
will not back off compliance for even small ASTs. In addition, EPA is inspecting small tank sites. Remember, even if the facility has an aboveground, double-walled petroleum storage tank the facility still has to provide secondary containment for bulk loading areas, training, documentation of training and tank inspections and, of course, the SPCC plan signed by a registered engineer.

John Adams, PE, is president of Phase I Environmental Inc., an environmental consulting firm based in Highlands, Texas. Adams received his BS in chemical engineering from Texas A&M University and an MBA from Harvard Business School. Before starting his own firm, he worked in various engineering and senior management positions for several major companies, including Conoco, Shell, and Tenneco. Adams was also an officer in the U.S. Air Force where he worked with nuclear weapons. He is a registered engineer in Texas and is a member of the American Institute of Chemical Engineers, the American Chemical Society, and the Texas Society of Professional Engineers. He can be contacted at (281)426.2756 or jadams@mba1976.hbs.edu.

For more information, circle 304 on card.

e-Sources

■ EPA's new regulations regarding spill prevention control and countermeasures (SPCC) plans www.epa.gov/oilspill/spcc.htm



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Addison Airport Fuel Farm Pricing Analysis

Question: Determine the minimum lease rate per tank for the proposed Addison Airport Fuel Farm based upon various assumptions.

<u>Methodology</u>: Devise a model to solve for the Net Present Value of a given cash flow stream over a certain time frame to equal "0". This would indicate the estimated breakeven point for revenue (Rent) over operating expenses and other capital requirements.

Base Assumptions:

Land Area	l acre (43,560 SF) is assumed required to accommodate the new facility.
Land Lease Rate	Cost of the land is assumed to be the current market ground lease rate subject to an annual CPI adjustment. The land cost is considered to represent the opportunity cost to the Airport for not being able to use the land for other revenue generating opportunities.
Annual CPI Escalator	An assumed CPI percentage is applied to various other variables as indicated here.
No. of Tanks	Number of tanks is assumed to be 15. Revenue projections are directly tied to the number of tanks leased. For the purpose of this analysis, all 15 tanks are assumed to be leased day 1 and with no vacancies throughout the analyses time frame.
Tank Cost	Tank cost is estimated to be \$65,100 per tank for 15 ballistic resistant tanks or, a total of \$976,500.
Infrastructure Cost	Includes all other construction cost other than the tanks and their dedicated pipes and values serving the tanks. Includes screening canopy. \$600,000
Maintenance Cost	Assumed to be a function of the land area @ \$.10 per SF. / Year
Management Cost	Includes management fees and city staff overhead cost allocations attributed to the facility. Assumed to be 25% of annual revenue.
Tank Estimated Economic Life	Tanks are assumed to be fully depreciated at the end of 25 years and will need to be replaced at that time. The term of the analysis is tied to the tank economic useful life
Legal Costs for Yr. 1	One time upfront cost assumed to be \$1,000 per tank to cover costs associated with negotiating and drafting lease agreements.
Annual Legal Costs	Assumed to be \$100 per tank and subject to CPI increase
Discount Rate	A non-variable rate assumed for the purpose of calculating the present value of an irregular cash flow stream.
Reinvestment Rate	That rate of interest where a sum of money can be reinvested each year. Required for determining a reserve fund for tank replacement.
Residual Value of Infrastructure; Yr 25	If the cost of infrastructure is considered in the analysis, it is assumed that the infrastructure does not fully depreciate over time. For the purpose of this analysis, it is assumed the residual value equals the initial construction cost without any appreciation of value over time.
Tank Replacement Reserve Requirement	For the purpose of building a replacement reserve fund, a calculation is made using the initial cost of the tanks, escalated by the CPI over the holding period. This value represents what the tanks will cost to replace in year 25.

Percent of Participation	The percent of the replacement cost of the tanks to be funded by the replacement reserve fund. (Example: If City intends to establish a replacement reserve of only 50%, then City will want to set aside the appropriate amount of funds to equate to the replacement cost of the tanks in year 25.
Adjusted Reserve Requirement	The product of the Tank Replacement Reserve Requirement times the Percent of Participation
Annual Replacement Reserve	The result of a calculation that determines what amount should be funded into a reserve account each year, considering the time value of money, to equal the Adjusted Reserve Requirement.
Annual Lease Rate Per Tank	The lease rate per tank beginning in Year 1 so that the Net Present Value of the cash flow assumed will equal "0" or breakeven. The Annual Lease Rate Per Tank is increased each year by the CPI.
Monthly Lease Rate Per Tank	Annual Lease Rate Per Tank divided by 12 equal installments.
Net Present Value of Net Income and Capital Requirements	By solving for the annual lease rate that would yield a net income plus capital requirements to equal "\$ 0.00", this annual rent rate per tank
	represents the breakeven point where revenue from rents should be sufficient to offset projected operating costs and, if included, development costs and reserve requirements.

Note: Cost of insurance, environmental management and related risks are assumed to be pass-through cost to each tenant on a pro-rata basis. These types of costs are very difficult to project with any degree of certainty.

Summary of Scenarios and Results:

Scenario 1: Generally assumes development, operating and capital costs are included in the analysis based upon the values given. Result: Starting lease rate per tank per month is \$1,253.

Scenario 2: The same as Scenario 1 except the Reserve Replacement Fund is not required. Result: Starting lease rate per tank per month is reduced to \$1,025.

Scenario 3: Land, Infrastructure, Legal costs and Residual Value are omitted from the analysis. Reserve Replacement Fund is fully required. Result: Starting lease rate per tank per month is \$810.

Scenario 4: Land, Infrastructure, Legal costs and Residual Value are omitted from the analysis. 50% funding of the Reserve Replacement Fund is required. Result: Starting lease rate per tank per month is \$696.

Scenario 5: Land, Infrastructure, Legal costs and the Residual Value are omitted from the analysis. Reserve Replacement Fund is not required. Result: Starting lease rate per tank per month is \$582.

Addison Airport Fuel Farm Tank Pricing Analysis

	S	cenario 1	S	cenario 2	S	cenario 3	Sc	enario 4	Sc	enario 5
Land Area		43,560		43,560		43,560		43,560		43,560
Land Lease Rate /SF	\$	0.40	\$	0.40	\$	-	- 5		\$	~ 1
Annual CPI Escalation %		2.5%		2.5%		2.5%		2.5%		2.5%
No. of Tanks		15		15		15		15		15
Tank Cost @	\$	65,100	\$	65,100	\$	65,100	\$	65,100	\$	65,100
Infrastructure Cost Total Construction	\$	600,000	\$	600,000	\$	-			\$	-
Maintenance (\$/SF)	\$	0.10	\$	0.10	\$	0.10	\$	0.10	\$	0.10
Management (% of Revenue)	ľ	25%	ľ	25%		25%		25%		25%
Tank Economic Useful Life (yrs.)		25		25		25		25		25
Legal; Year 1 /tank	\$	1,000.00	\$	1,000.00	\$: •;	10	\$	- 1
Legal; Annual /tank	\$	100.00	Ŝ	100.00	\$				\$	_
Discount Rate	•	9%		9%	\ \ \	9%		9%	Ť	9%
Reinvestment Rate		5%	į	5%		5%		5%		5%
Residual Value of Infra. Yr 25	\$	600,000	\$	600,000	\$	**			\$	-
Tank Replacement Reserve Req.	(\$	1,810,376)	(\$	1,810,376)	(\$	1,810,376)	(\$1	,810,376)	(\$1	,810,376)
% Participation		100%		0%		100%		* * * *		0%
Adjusted Reserve Req.	(\$			\$0	(\$	1,810,376)	(\$	\$905,188)		\$0
Annual Replacement Reserve		(\$37,932)		\$0		(\$37,932)		(\$18,966)		\$0
Annual Lease Rate Per Tank		\$15,036		\$12,294		\$9,723		\$8,352		\$6,981
Monthly Lease Rate Per Tank		\$1,253	\$	1,025	L	\$810	Ş	696	\$	582

Solving for NPV	
NPV of NI & Capital Req.	0



FULL SCALE FIRE TEST ON COMPOSITE MEMBRANES FOR TEXTILE STRUCTURES

PRECONTRAINT 502 8100

GLASS/PTFE

SP METHOD 2205 SP SWEDISH NATIONAL TESTING INSTITUTE

March 2002

1/18



SUMMARY

TEST PROCEDURE

SCHEMATIC DRAWING OF THE FRAME TENT

GAS ANALYSIS EQUIPMENT & PROCEDURE

TEMPERATURE / GAS ANALYSIS COMPARATIVE TEST RESULTS PRECONTRAINT 502 8100 GLASS/ PTFE

COMPARATIVE BEHAVIOR TO FIRE & IMPACT ON BUILDING PRECONTRAINT 502 8100: 1 TO 10 PHOTOGRAPHS GLASS / PTFE: 31 TO 40 PHOTOGRAPHS

1998-12-2



Test procedure.

A 100 m^2 ($12 \times 8.5 \times 4.3 \text{ m}$ (length x width x height)) storage tent is exposed to a fire from a combustible "sentry-box" placed near one corner of the tent, see enclosure 1. The possibility for smoke venting from the tent during the test is evaluated. The flame spread along the ceiling and the walls is measured. The amount of burning thoplets or burning pieces falling down inside the lent is recorded visually.

Additional to the test method, smoke gas temperatures and smoke obscuration in the tents were measured. Also gas analysis of the smoke gases produced in the tents was performed.

Temperatures of the smoke gases were measured by means of a thermocouple tree, having themocouples (type k) mounted at distances 1, 2, 3 and 4 m above the ground fevel.

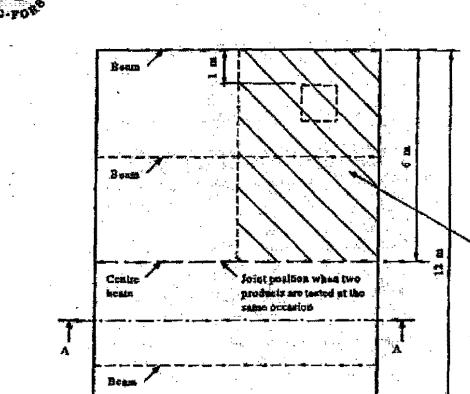
Smoke obscuration (extinction coefficient) was measured by means of a white light system (lamp and photocell). The borizontal light beam from the lamp was traversing the smoky environment at a height of 1.65 m. The measurements are used to estimate the visibility in the smoke gas layer in the tent.

Gas analysis of the smoke gases was performed by means of an FTIR (Fourier Transform Infra Red) instrument during the tests. The FTIR instrument recorded CO, CO₂, HCl, HB₁, HF, HCN, CO₂ and NOx continuously with 15 seconds time resolution of the measurement data. The sampling probe was located at a height of 1.6 m. The smoke gases were sampled through a heated sampling line to the FTIR instrument which was located 20 m from the probe approximately.

Video recordings were performed from two different views during the fests, an inside view and an external view. Photographs were also take during the tests.

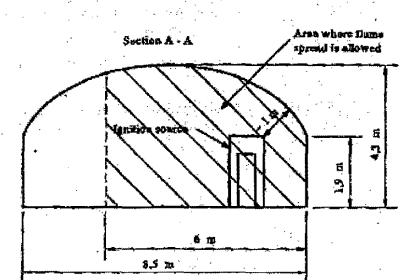
Deviation from test method

These were no ventilation openings in the membranes at the top of the gables.



8.5 m

Afos where flame spread is allowed





Gas analysis with Fourier Transform Infra Red (FTIR) equipment.

FTIR equipment and sampling train

Gas analysis of the smarke passes was performed by means of an FTTR (Fourier Transform Infra Red) instrument during the test. The FTIR instrument recorded CO, CO₂. HCl, HBr, HP, HCN, CO₂ and NOx continuously with 15 seconds time resolution of the measurement data.

The probe was a stainless steel pipe opened at the end. The sampling point was located centrally along the long side, 2 m in from the wall membrane at a height of 1.6 m above ground level.

A housed filter was directly fitted on the sampling probe. The organic filter element had a porceity of 2 µ. The filter was heated to 180 °C.

From the filter the gas sample was led through a heated sampling line having a 6 mm diameter PTFE inner tabling and a heating sleeve on the outside. The assupiling line from the filter was 20 m long. The heating sleeve kept a temperature of 180 °C measured between the inner tabe and the heating sleeve.

The gas was transported to the FTIR instrument by means of a sampling pump placed after the FTIR instrument maintaining a constant flow rate of 4 litres per mirute.

The gas cell of the FTIR instrument had a volume of 0.9 litres and an optical path length of about 5 moters fitted with gold plated inferers. The temperature of the cell was kept at 150 °C. The temperature as well as the pressure inside the cell were continuously monitored. The instrument model was BOMEM MB 100 fitted with a DTGS detector. The instrument was used in the 4 cm⁻¹ resolution mode and during the test three scans were co-ackled for each spectrum.

Gas analysis - test results

In table I below gas analysis test results are given for each specie as average and maximum concentrations measured in the tests during testing. When values are given as "less than" they are below the detection limit of the FTIR instrument.

GAS ANALYSIS/ TEMPERATURE **COMPARATIVE TEST RESULTS**

MEMBRANE

PEAK SMOKE

TEMPERATURE

(C°) at 2 meter above

ground level

502 8100

96 °C

GLASS/PTFE 261 °C

GAS ANALYSIS TEST RESULTS GIVEN AS MAXIMUM and AVERAGE **CONCENTRATION (%)**

The sampling point was located at a height of 1.6 meter above ground level.

MEMBRANE		CO 2		CO		HF		HCI	
	Max	Average	Max	Average	Max	Average	Max	vera.	
502	0.54	0.18	88	35	<5	<5	<10	<10	
GLASS/ PTFE	1.13	0.30	220	60	26	9	<10	<10	

FOR INFORMATION: CONVENTIONNAL TOXICITY INDEX (NFX 70-100)

Extract § 6.3 / NFX 70-100

To evaluate the toxicity of emitted gas, the amount of gas recorded during the analysis are compared to values taken as reference, those references are called « critical concentration » and are expressed in mg/m3 and labelled : « C.C. ».

The critical concentration of a gaz is the maximum concentration that a person is able to accept during 15 mn without irreversible biological consequences. Here enclosed Table 3 the Critical concentration of the various gaz

Gaz	CC (mg/m3)
CO	1 750
CO2	90.000
Hcl	150
HBr	170
HCN	55
HF	17
S02	260

This shows that HF is the most dangerous gaz of the list 5000 time more toxic than CO 2, 100 time more toxic than CO .

CONCLUSION: WHEN EXPOSED TO IDENTICAL FIRE CONDITIONS

- GLASS PTFE generates approximately twice as much CO and CO2 than Pes/PVC membranes.
- GLASS PTFE generates a significant percentage of extremely dangerous HF, whereas the Pes/PVC membrane does not generate any*.

^{*}The FTIR instrument used during the test could not record HF below 5% therefore the value listed states < 5 eventhough Pes/PVC membrane does not generate any HF.

COMPARATIVE BEHAVIOR TO FIRE & IMPACT ON BUILDINGS

- Pes/PVC MEMBRANES GENERATE A HOLE IN THE ROOF PROPORTIONNAL TO THE FIRE
- = AUTOMATIC GAS and SMOKE EXTRACTION
- = QUICKER and EASIER EXIT ACCESS for PUBLIC SAFETY

Pes/PVC membranes generates an opening of the roof in proportion to the size of the fire which in turn will allow an adequate capacity of evacuation of smoke and gas. The hole for smoke extraction is naturally positionned right above the fire in the optimum location for the smoke extraction.

Note: Glass/PTFE membrane allow only a limted extraction of the smoke and gas.

More smoke and gas trapped inside the structure may jeopardize the evacuation of the public and safety of the persons.

- RISK OF FLASH OVER and FIRE EXTENSION:

In a building which do not have smoke extraction devices (because of costs), the hot gas accumulated in the higher part of the building can catch fire at a given temperature and generate a FLASH OVER and extend the fire to the near by buildings.

Note: Glass/PTFE membrane record peak smoke gas temperature approximately 3 times higher than Pes/PVC membranes

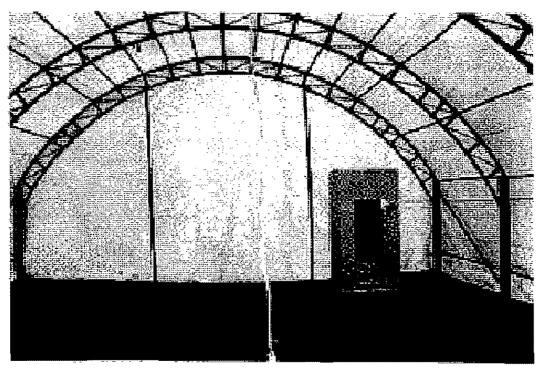
CONCLUSION

The above points are mentionned to alert on the fundamental difference between:

- The material flame retardency reaction according to given standards and,
- The actual behavior of fabric buildings under fire

The benefit of Pes/PVC membrane in terms of smoke and gas extraction, safer public evacuation, limited production of toxic gas, lower temperature ...can only be evidenced in FULL SCALE FIRE TEST as descibed above. Laboratory standardized test on small format sample give only a restricted and non conclusive understanding of the actual behavior of a fabric building under fire.





Parto no 1. \$15 (come) "100"

The grib has been by shall The newsy-box, gas campling probe and the more outle nee sec

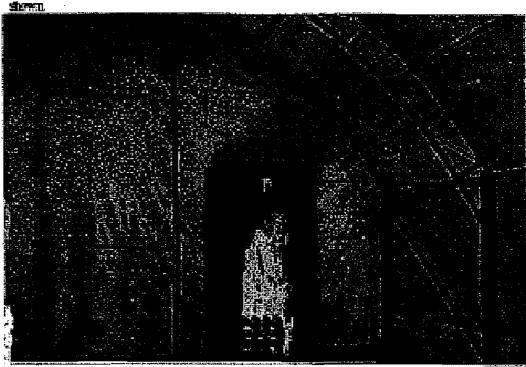
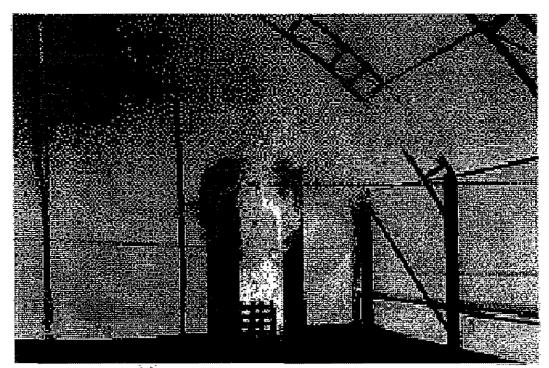


Photo and 1:56 (minut). 100° Plantes emerged drough the system of the senty-bas.





Floring 3 2.19 (minutes) 502° Hencusters from the similar-translational months Figures resident the centum.



Fineto: no d 3:32 (minus) "502"
A habit was formed above the recognition. A smoke participat had been formed.





Photo no 8 3rd (min.) 702.

The extension the hole bearing of the hole bearing process was some

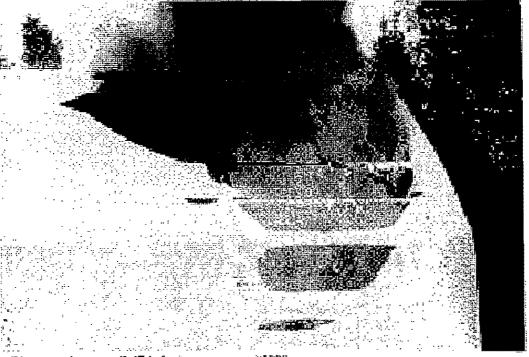
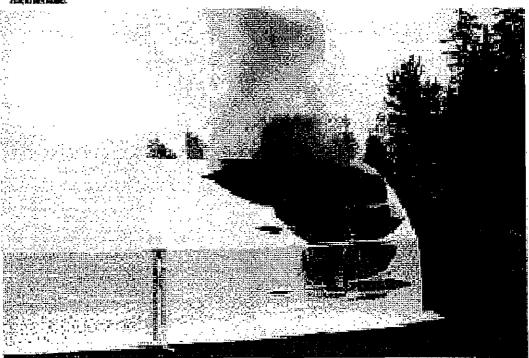


Photo so 6 347 (mins) "501"
Some flaming in method measures. Limited flame speed.



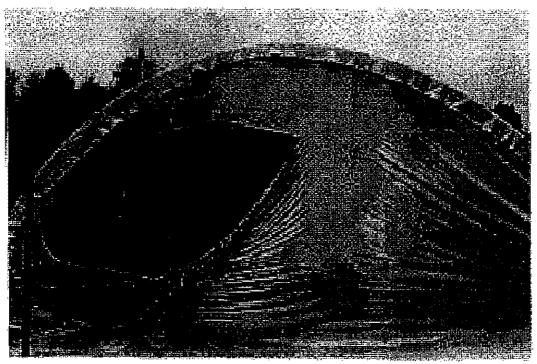


Photo no 7 4 (M (minute 500))
The best resigned from the recover two had decreased. Self-limited baseing was seem in the recovering to the limited baseing was seem in the recovering to the limited baseing was seem in the recovering to the limited baseing was seem in the recovering to the limited baseing was seem in the recovering to the limited baseing was seem in the recovering to the limited baseing was seem in the recovering to the limited baseing was seem in the recovering to the limited baseing was seem in the recovering to the limited baseing was seem in the recovering to the limited baseing was seem in the limited baseing was seem in the limited baseing was seen in the limited baseing w



Plantin en 8 4:14 (minus)
Transpersione inside the teni depressed.





Filedia no 9 5:18 (minut) "507". No discolar was some in the membrane. Of the sensity between minutes of only the filence work.

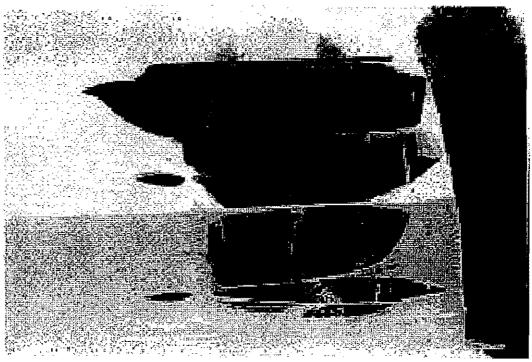


Photo no 10 (c.23 (minut) 2007.
A hole of 25 m³ approximately had been formed in the colling.



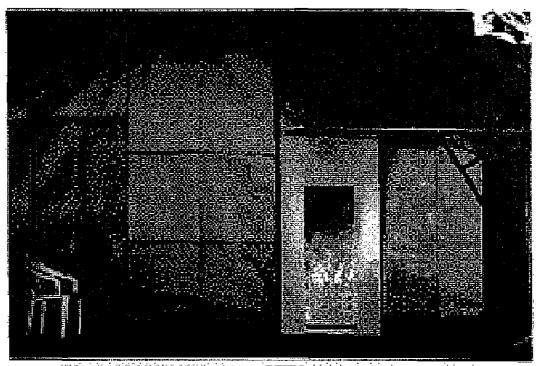


Photo no 3)

LOV (mins)

The cub has been leaded. Plattic than were placed in the lead.

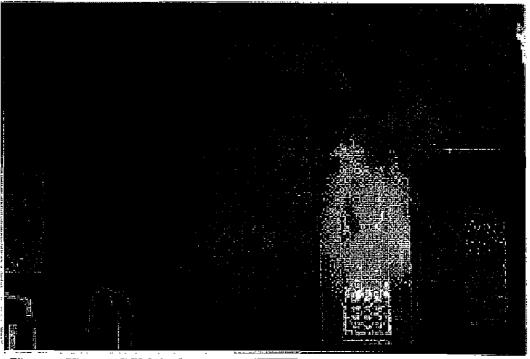


Photo no 32 235 (mins) "PIPE"
Functional surveys to emerge from the eventy-box, best comparisons and engage.





Photome 33 1-50 (minut) "PTPP"
Planne had started to seech the inciding. A smooth gas layer had been formed.

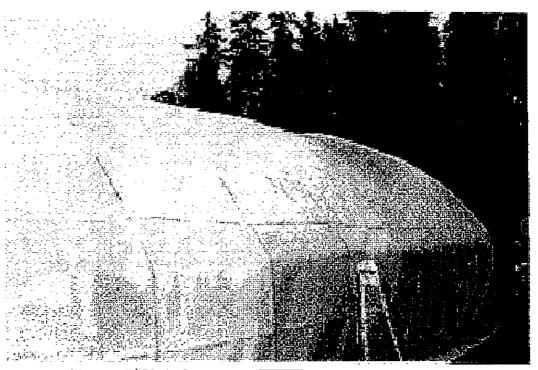


Figure 1888 1880 (minus) FIRE.

View 1888 (1984) 1884





Photo up 35 376 (minu) TP FFF No Sole had been formed in the membrane so far.

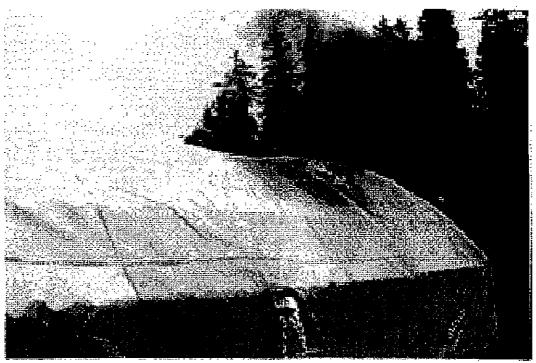


Photo no 36 (1884) (1884) "PTRS" A kole in the celling inembrace had been forcied.



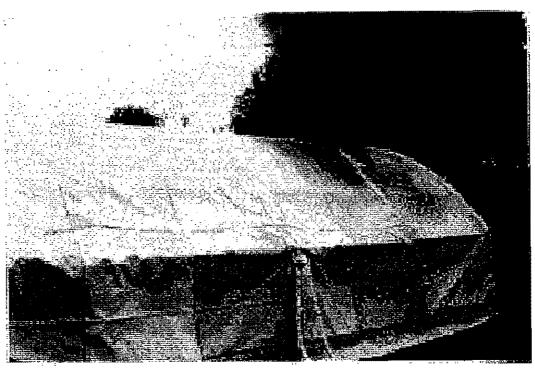


Photo no 37 3-35 (mittle PRE"
Sinche was maintained through the interior the colling. Limited burning in the maintaine. The patter had opened up.

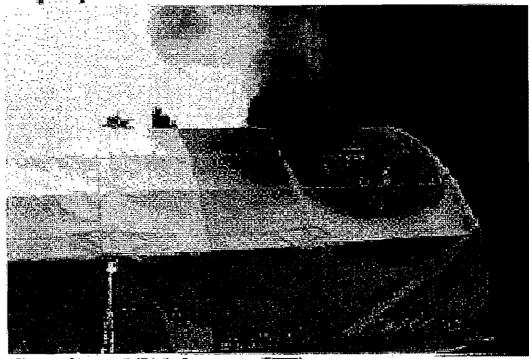


Photo no 38 3:43 (miles) PTFE Limited translag to the membrane. Membrane places were opening up.

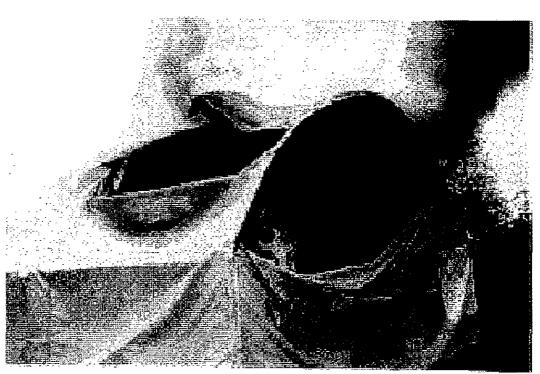


Photo no 39 337 (mins): "PT The public list opered up due to making PP ropes. PITT



Plate FS- (II) After Level Missistered and district party of the ording premiseuse.



AGREEMENT FOR CONSULTING AND PROFESSIONAL SERVICES

BETWEEN

WASHINGTON GROUP INTERNATIONAL, INC.

AND

DAVID C. BALDWIN INC.

AGREEMENT NO. 27514 - DCB

THIS AGREEMENT ("Agreement"), number 27514-DCB, for Consulting and Professional Services (together with the Attachments hereto) dated and effective as of September 29, 2004 (the "Effective Date"), is hereby made and entered into by and between Washington Group International, Inc., an Ohio corporation, (hereinafter "Client") having a place of business located at 7800 E. Union Ave., Suite 100, Denver, CO 80237 and David C. Baldwin Inc. (hereinafter "Consultant") having a place of business located at 730 East Park Bivd., Suite 100, Plano, TX 74074 (each a "Party" and collectively, the "Parties").

WHEREAS, Client has entered into an agreement (the "Prime Agreement") to provide professional services to Town of Addison, TX (the "Owner") in connection with Addison Regional Airport Bulk Fuel Storage and Dispensing Project (the "Project");

WHEREAS, Client desires to subcontract certain portion of its services under the Prime Agreement to Consultant; and

WHEREAS, Consultant desires to perform such subcontracted services for Client.

NOW THEREFORE, For and in consideration of the foregoing premises and mutual convenants and agreements contained herein, the Parties agree as follows:

1. SERVICES TO BE RENDERED

- 1.1 Consultant agrees to undertake and perform certain consulting and professional services ("Services") in accordance with the terms and conditions contained herein, as may be requested by Client in writing from time to time.
- 1.2 The Services to be performed and the schedule for performance for each task shall be described in one or more authorizations issued to Consultant by Client, the form of which is attached hereto as Attachment A ("Work Authorization").

2. PAYMENTS FOR SERVICES

2.1 In consideration for providing those Services as specified in a Work Authorization issued hereunder, and unless otherwise specified in the applicable Work Authorization, Client shall pay Consultant pursuant to the rates and charges schedules annexed hereto as Attachment B.

- 2.2 If not a corporation, Consultant must provide to Client Consultant's Federal income tax identification or social security number, or be subject to 20% withholding as required by Federal law.
- 2.3 Consultant shall be responsible for all reporting and payment obligations with respect to (i) Consultant's personnel relating to worker's compensation insurance, Social Security, state and federal unemployment insurance, medical-hospital insurance, salary continuation insurance, pension plan costs, and pro rata allowances for vacation and sick leave pay, as well as all other employee benefit programs and (ii) the payment of all sales and use taxes which are measured by the value of Services performed under this Agreement and the applicable Work Authorization. Consultant shall, when requested by Client, furnish Client with evidence in a form and substance satisfactory to Client that Consultant has been paid amounts owed under this Agreement and that all liens and claims have been waived to the extent permitted by law.
- 2.4 Consultant shall render invoices monthly for Services performed during the previous calendar month. All invoices shall reference this Agreement (including any applicable GSA Number) and, if applicable, the specific task number pertaining to the approved Work Authorization. Payment terms will be net thirty (30) days on all invoiced amounts. Client and Consultant shall promptly attempt to effect a resolution of any dispute concerning an invoice submitted by Consultant and Consultant shall provide Client with a corrected invoice or additional supporting documentation as necessary. Client may withhold payment of that portion of an invoice disputed by Client until the dispute has been resolved. Notwithstanding anything to the contrary in this Agreement, Client shall pay Consultant the undisputed portion of any invoice only after Client receives corresponding payment from Owner.

3. RESPONSIBILITY FOR SERVICES

3.1 Consultant shall perform the Services in accordance with the highest degree of care, diligence, professional skill, practices and judgment that is exercised by recognized professionals in his/her/its field of expertise with respect to services of a similar nature, and Consultant shall be responsible for the professional quality, technical accuracy, and completeness of all

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Services furnished under this Agreement. Consultant warrants that such Services shall be free of error or omission, and shall conform to any requirements specified in the applicable Work Authorization, and shall not result in or contribute to any infringement of any patent, copyright, trademark or other intellectual property right. In the event that Client determines that Consultant's Services have failed to meet any of the above standards, Consultant agrees, upon written notice from Client, to correct the faulty portion of the Services and that it shall be responsible for all resulting damages and losses, regardless of whether resulting wholly or only partially therefrom, all at no cost to Client and all without prejudice to any other right or remedy. Consultant understands that Client will rely on the data, findings and recommendations obtained from the Consultant under this Agreement. Any and all tools, materials and instruments required to perform the Work shall be furnished by Consultant.

4. SAFETY

4.1 Consultant acknowledges that safety is of prime importance to Client and Owner, and Consultant shall cooperate with Client and Owner in efforts to prevent injuries to personal and to comply with all applicable safety rules and regulations.

5. INSURANCE

5.1 Subject to written variation by Client in an applicable Work Authorization, Consultant shall effect and maintain during the performance of Services under a Work Authorization the insurance coverages as identified in Attachment D.

6. INDEMNITY

6.1 Consultant shall indemnify, defend, and hold Client, Client's affiliated companies, Owner, and each of Client's/their respective agents, successors, assigns, and any and all officers, directors, shareholders, employees or representatives of any of the foregoing ("Indemnified Parties"), harmless from and against any and all loss, claim, liability, penalty, fine, cost (including also attorneys fees) or expense, including but not limited to any and all property damage and any and all personal injury, including death ("Damages"), in the event such Damages to any extent whatsoever arise from or relate to any act or omission of Consultant, its employees or affiliates in connection with the

Services, except only to the extent of Client's sole negligence, subject to applicable law, whether based on contract, tort, negligence, strict liability, delay, warranty, indemnity, error and omission, or otherwise. Consultant waives any right to assert any immunity from or limitation of any of these obligations under any workers' compensation or other employee benefit or disability statute.

7. WAIVER OF CONSEQUENTIAL DAMAGES

7.1 Notwithstanding anything to the contrary in this Agreement or a Work Authorization, Client shall in no event be liable, whether based on contract, tort, negligence, strict liability, delay, warranty, indemnity, error and omission, or otherwise, for any consequential, special, incidental, indirect, exemplary, punitive or multiple damages, or damages arising from or in connection with loss of use or loss of revenue or profit and Consultant hereby releases Client from any such liability.

8. CHANGES

8.1 Client may from time to time modify, extend, enlarge, reduce, shorten or terminate the Services and/or schedule under a Work Authorization by written instructions to Consultant. In the event Client requires Consultant to perform additional Services, or make other modifications to the Services, Consultant's compensation, the schedule and any other relevant terms and conditions of the relevant Work Authorization shall be subject to mutual negotiation.

9. INDEPENDENT CONSULTANT

9.1 Consultant is an independent contractor. Neither Consultant, nor any of its employees, are or shall be deemed to be agents or employees of Client or Owner. Consultant has sole authority and responsibility to employ, discharge or otherwise control its employees.

10. CONFLICT OF INTEREST

10.1 Consultant represents that performance of the Services does not create any conflict of interest with Consultant's other business undertakings, and Consultant agrees not to undertake any other assignment from any third party that might create an actual or apparent conflict of interest with performing the Services for Client.



11. COMPLIANCE WITH LAWS

11.1 The Services and Consultant's performance thereof shall comply with all applicable Federal, State and local laws, rules, regulations, codes, etc. In addition, Consultant shall comply with all work rules and restrictions established at or for the site of the Services by Client or Owner. Consultant agrees to indemnify, defend and hold the Indemnified Parties harmless from and against any and all Damages based on or arising out of, in whole or in part, from any violation or alleged violation of law or any noncompliance by Consultant under this Article 11, whether based on contract, tort, negligence, strict liability, delay, warranty, indemnity, error and omission, or otherwise.

12. OWNERSHIP OF DOCUMENTS / WARRANTY OF TITLE

- 12.1 All documents originally prepared by Consultant or its subcontractors in the performance of Services under a Work Authorization and to be provided to Client are "works made for hire" for Client under the Copyright Act of 1976, as amended. Client shall acquire all right, title and interest in any such document, whether delivered to Client or not, and Consultant hereby assigns, and will cause each of its subcontractors to assign, to Client all right, title and interest in any such document and the copyright therein. Client shall have the unrestricted right to use and disclose such information in any manner and for any purpose without any further payment or compensation.
- 12.2Consultant warrants and represents that any document furnished by Consultant or any of its subcontractors in the performance of Services under a Work Authorization do not infringe any patent, copyright, trademark or other third party intellectual property rights. Consultant shall indemnify, defend and hold the Indemnified Parties harmless from and against any Damages arising out of or relating to any claim of infringement in connection with any document furnished by Consultant or its subcontractor in the performance of Services under a Work Authorization, subject to applicable law, whether based on contract, tort, negligence, strict liability, delay, warranty, indemnity, error and omission, or otherwise.

13. TERMINATION/SUSPENSION

- 13.1 Client shall have the right (in its sole and absolute discretion) to terminate for its convenience this Agreement or any Work Authorization prior to completion of the Services thereunder delivery of written notice to Consultant, or upon death or disability of Consultant or of any key person performing any Services under a Work Authorization. Consultant shall stop all Services on the date specified in such notice. In any such event, Client shall pay Consultant all undisputed amounts due up to the effective date of termination.
- 13.2 Client shall have the right (in its sole and absolute discretion), at any time, to suspend for its convenience performance of all or any part of the Services by giving written notice to Consultant. Consultant shall stop all Services on the date specified in such notice. Such suspension may continue for a total cumulative aggregate period of up to twelve (12) months after the effective date of suspension during which period Client may request, in writing, Consultant to resume performance of the Services. A suspension of Services by Client may be the basis for a change pursuant to Article 8.

14. CONFIDENTIALITY

14.1 Consultant shall preserve the confidentiality of all information provided by Client or Owner or developed or furnished by Consultant under this Agreement, and shall restrict the use thereof to those within its organization requiring such use in order to perform the Services. When required by Client, Consultant shall require its employees and subcontractors, if any, to enter into appropriate similar non-use and non-disclosure agreements. The above restrictions shall not apply with respect to: a) information which is or becomes generally available to the public other than as a result of violation of this Article 14; b) written information disclosed to Consultant hereunder which was in Consultant's possession prior to such disclosure and which was not acquired under an obligation of confidentiality directly or indirectly; c) information received by Consultant, from a third party, after the time of first disclosure hereunder and without any obligation of confidentiality directly or indirectly; information which is required by appropriate legal authority to be disclosed (but only to the extent of such requirement).

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- 14.2Client and Consultant agree that in the event of a breach of the confidentiality provisions in this Article 14, Client shall be entitled to equitable relief, including injunctive relief and specific performance, in addition to all other remedies available at law or in equity.
- 14.3In the event the Parties have a separate confidentiality agreement, the more stringent provisions shall apply, notwithstanding Article 17.2.

15. TERM

15.1Unless otherwise specified, the term of this Agreement shall be no more than two (2) years from the Effective Date, subject to earlier termination as herein provided. Any Services performed under an existing Work Authorization after the expiration of this Agreement shall continue to be governed by the terms of this Agreement.

16. LIENS

16.1 Consultant shall pay when due all labor and material bills, if any, arising from performance of the Services, keep the premises free from any liens, and indemnify, defend and hold the Indemnified Parties harmless from any Damages arising out of any liens or claims for payment, if any, arising from performance of the Services. Should any lien or notice of lien be filed by any person performing labor or furnishing material to the Consultant, Client shall have the option to (a) retain a sufficient sum to pay and discharge such obligation, or (b) pay and discharge such lien without regard to its validity and to collect from Consultant all costs including reasonable attorney's fee for discharging such lien. In lieu of (a) or (b) above, the Consultant at its option may furnish an indemnity bond, approved by Client, at Consultant's cost.

17. GENERAL

- 17.1 Client and Consultant each represent and warrant that this Agreement has been duly authorized, executed and delivered and constitutes its binding agreement enforceable against it.
- 17.2Consultant shall maintain true and correct records of all reimbursable costs (in accordance with generally accepted accounting principles applied on a consistent basis) pertaining to Consultant's

Services under this Agreement and all transactions related thereto, and shall retain all such records for a period of four (4) years from the date of their preparation, or such longer period as may be required by law. Client may from time to time make an audit of all records of Consultant in connection with the Services rendered under this Agreement. Client shall be permitted to make such audits for a period of four (4) years from the date of the preparation of the applicable records, or such longer period as may be required by law. Consultant shall assist Client in making the above audits. In the event an audit by Client results in disallowance of costs, any overpayment that has been made to Consultant will be immediately reimbursed by Consultant to Client.

- 17.3This Agreement and Work Authorization may not be assigned by Consultant in any way, including by operation of law, unless otherwise mutually agreed to in writing, and any such attempted nonauthorized assignment shall be null and void and of no force or effect.
- 17.4Notices shall be effective hereunder as follows only if in writing and addressed to the Party designated in this provision: (1) upon delivery, if delivered personally to the Party; (2) upon transmission, if transmitted to the facsimile number of the Party; and (3) two business days after posting by registered or overnight mail (postage prepaid). The acceptable addresses for each Party to whom notices are to be delivered are as follows:

CLIENT:

Attention: Bruce Pogue

E-Mail: bruce.pogue@wgint.com

Phone: 303-843-2147 Facsimile: 303-843-3622

CONSULTANT:

Attention: Linda Adelstein

E-Mail: linda@davidcbaldwin.net

972-509-1266 Phone: Facsimile: 972-509-1269

17.5All contract issues and matters of law will be adjudicated in accordance with the laws of the State of New York, excluding any provisions or principals thereof which would require the application of the laws of a different jurisdiction, unless the Parties mutually agree in writing to apply the laws of a different jurisdiction. In the event a dispute arises between Client and Owner in



connection with the Prime Agreement, Client shall have the right to implead Consultant into the dispute resolution proceeding and Consultant hereby consents and agrees to any such impleader.

- 17.6The terms and conditions of this Agreement shall prevail, notwithstanding any variance with any document submitted by Consultant whether formally rejected by Client or not. This Agreement may be modified only by amendment when signed by each Party. In the event that any one or more of the provisions of this Agreement shall be found to be illegal or unenforceable, the remaining provisions of this Agreement shall remain in full force and effect, and such term or provision shall be deemed stricken only to the extent and in the jurisdictions necessary for compliance with In such a case Client and applicable law. Consultant shall meet in a good faith effort to amend this Agreement so that it will comply as nearly as is then legally possible with its original provisions.
- 17.7Nothing in this Agreement shall be construed to give any rights or benefits to anyone other than Client or Consultant.
- 17.8The headings in this Agreement are for convenience only, and shall not affect the interpretation hereof.
- 17.9The provisions under the Articles for Responsibility for Services, Confidentiality, Limitation of Liability, Insurance, Waiver of Consequential Damages and Indemnity and any other provisions of this Agreement and/or Work Authorization(s) providing for limitation of or protection against liabilities between the Parties hereto shall survive termination of this Agreement and/or completion of the Services hereunder.
- 17.10 This Agreement and any executed Work Authorizations supersede all prior written and/or oral contracts and agreements that may have been made or entered into between Client and Consultant regarding the subject matter hereof, including but not limited to any and all proposals, oral or written, and all communications between the Parties relating to this Agreement or any Work Authorization, and constitutes the entire agreement between the parties hereto with respect to the subject matter hereof. No amendment to this Agreement or any Work Authorization shall be enforceable unless in writing and signed by both

Parties hereto. Consultant shall have accepted this Agreement, provided that Consultant has received this Agreement and either a) received payment; or b) started performance of the services.

18. ATTACHMENTS

18.1 Attachments A, B, C and D which are attached hereto, are incorporated by this reference into this Agreement as if fully set forth herein.

Attachment A - Work Authorization Form

Attachment B - Schedule of Rates and Charges

Attachment C - Travel and Temporary Assignment

Attachment D - Insurance Requirements

Attachment E - Proposal Dated September 7, 2004

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed by their duly authorized representatives, effective as of the day and year first above mentioned.

CONSULTANT

By:	WASHINGTON GROUP INTERNATIONAL, INC.
Name:	
Title:	
Date:	
CLIEN	T
Ву:	DAVID C. BALDWIN INC.
Name:	
Title:	
Date:	

ATTACHMENT "A"

WORK AUTHORIZATION

CONSULTANT PROJECT NAM AGREEMENT I TASK NO.: REVISION NO. EFFECTIVE DA	ME: Addison Regional Airport Bulk Fuel Storage and Dispensing System 27514 - DCB 1 0
BASIS FOR PA	YMENT (Check Each That Applies):
Ø	Consultant's Schedule of Charges in Attachment B
	Amount not to be exceeded without amendment to Work Authorization ()
	Other (Describe:)
	produce a landscape architecture plan along Addison Road, adjacent to the new Bulk Fuel spensing System for the Addison Airport, and as more fully described in Attachment E dated
	CE SCHEDULE: ence September 29, 2004 and be complete within 4 weeks or as directed by Client's Sam
	ONSIBLE CONTACT PERSON: ren at 303-843-3596 or e-mail <u>samuel.lundgren@wgint.com</u> .
	CONDITIONS: thorization shall be governed by the terms and conditions set forth in the Agreement for Professional Services between Consultant and Client as of effective September 29, 2004.
AUTHORIZED	FOR CLIENT:
Ву:	
Title:	
Date:	
ACCEPTED F	OR CONSULTANT:
Ву:	
Title:	
Date:	



ATTACHMENT "B" SCHEDULE OF CHARGES

PROJECT PRICING BASIS:

BASIC SERVICES – For the Landscape Architecture Plan as described herein, Client agrees to pay the Consultant a lump sum fee of two thousand nine hundred forty dollars and no cents (2,940.00 USD).

REIMBURSABLE EXPENSES – Direct expenses such as reproduction, airfare, mileage, facsimile, long distance telephone, microfilming, mylars, and reductions, and other out-of pocket expenses relating solely to the project will be invoiced separately at Consultant's direct cost times a multiplier of 1.1. Consultant will provide Client with receipts whenever possible. (Note: Consultant shall have prior approval from Client's Samuel Lundgren for any air travel that Consultant deems necessary for execution of this Agreement).

TERMS OF PAYMENT – The Consultant shall bill monthly at a percentage of the work completed. All invoices shall be due and payable NET 30 DAYS from the Client's receipt of invoice. (This requirement takes precedence over paragraph 4.4 of Attachment E).

Consultant is to submit the original of each invoice to:

Washington Group International, Inc. 7800 E. Union Ave., Suite 100

Denver, CO 80237 Attn.: Samuel Lundgren

ADDITIONAL SERVICES - Hourly rates (USD) of additional services or work requested by Client not under this contract agreement are as follows:

Principal/Landscape Architect	125.00/hour
Senior Landscape Architect	85.00/hour
Junior Landscape Architect	65.00/hour
Technical (CAD Drafting)	60.00/hour
Clerical	40.00/hour



ATTACHMENT "C" TRAVEL AND TEMPORARY ASSIGNMENT POLICY

Consultant's employees on business travel and temporary assignments shall only be paid actual travel and subsistence expenses authorized in writing by Client-upon-submission of an invoice with appropriate receipts attached for such expenses reasonably incurred for transportation, meals, ledging and incidental living expenses necessary for performance of the Services and actually incurred.

When and if authorized by Glient, the following types of expenses are subject at a minimum to the following restrictions:

- Air travel. On domestic airline flights, less than first class accommodations must be used when
 available unless the employee's physical needs cannot be reasonably accommodated in coach
 class.
- 2. Rented automobiles. The standard rental car size is up to mid-size-unless such class does not most the situational needs.
- 3. Personal automobiles. Uso of personal automobiles is reimbursed at the IRS or Federal Travel Regulations rate, plus tell charges.
- Ledging-Use of deluxe/luxury hotels is not permitted in most circumstances.
- Meals. Receipts are required for expanditures of \$25 or more per day.
 - Laundry and dry cleaning-service. Permitted only-after the employee has been away from home performing-Services for a minimum of four consecutive days on a particular trip.

NOTE: ATTACHMENT "C" IS NOT APPLICABLE TO THIS AGREEMENT.



Attachment "D"

INSURANCE

- 1. Unless otherwise specified in the Agreement, Consultant agrees that it shall obtain and maintain during the performance of any Services at the Facility Site and until the acceptance thereof, the insurance described in item 2 below and shall be carried with insurance companies with at lease a Best's "A" rating. Consultant will furnish to Client three (3) copies of the certificate(s) evidencing such insurance prior to commencing, performance or physically present on the Facility site under the Agreement.
- 2. The required insurance coverage is as follows:
- (a) Worker's Compensation Insurance and Employer's Liability Insurance (including occupational disease) to cover statutory benefits and limits of the Worker's Compensation laws of any applicable jurisdiction in which the Services are to be performed hereunder, and Employers' Liability Insurance with limits of five hundred thousand dollars (\$500,000) for trauma, each accident; five hundred thousand dollars (\$500,000) for disease, each person and five hundred thousand dollars (\$500,000) disease, policy limit.
- (b) Commercial General Liability Insurance written on the latest ISO occurrence form and including coverage for Contractual Liability and Products and Completed Operations (to remain in force for two (2) years following acceptance of the Services). The insurance required by this clause (b) shall have the following limits of liability:

Third Party Bodily Injury and Property Damage Liability:

\$1,000,000 combined single limit per occurrence and \$2,000,000 combined single limit general aggregate, with such limits available to the Project.

- (c) Business Automobile Liability insurance covering all owned, leased and non-owned vehicles used in connection with the Services, with not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage.
- (d) If professional services are involved, Professional Liability Insurance with not less than \$1,000,000 per occurrence with a 24 months discovery period after completion of the performance under the Agreement.
- The following endorsements shall be included in the above insurance coverages:
 - (a) Thirty (30) days advance written notice in the event of cancellation, non-renewal or material change of any policy. Language referring to "endeavor to" and "but failure to mail such notice shall impose no obligation or liability of any kind upon the company, its agents or representatives" shall be stricken from the certificate of insurance.
 - (b) Client and Owner named as additional insureds (except on Workers' Compensation and Professional Liability Insurance).
 - (c) A waiver of subrogation in favor of Client and Owner.
 - (d) Severability of Interest or Separation of Insureds.
 - (e) Consultant's insurance is primary and any insurance maintained by Client is considered excess and non-contributory.
- 4. Consultant expressly understands and agrees that any insurance coverages required by this Agreement or otherwise provided by Consultant in no way limits the obligations or liabilities of the Consultant assumed elsewhere in this Agreement. Deductibles, if any, are for the account of the Consultant.

ATTACHMENT "E"

September 7, 2004

PROPOSAL/CONTRACT FOR LANDSCAPE ARCHITECTURAL SERVICES FOR

ADDISON REGIONAL AIRPORT

Bulk Fuel Storage and Dispensing System

ADDISON • TEXAS

This proposal is for landscape architectural design and consulting services by DAVID C. BALDWIN INC. (the Landscape Architect) for WASHINGTON GROUP INTERNATIONAL, INC. (the Client) and the TOWN OF ADDISON (the Owner).

1.0 SCOPE

- 1.1 The Landscape Architect's area of work shall consist of providing landscape screening and irrigation for a new fuel storage facility located on Addison Road in Addison, Texas. Specific area of work on this site will be limited to a linear island located between Addison Road and the new parallel drive.
- 1.2 Services shall consist of Schematic Design, Construction Documents, Bidding Services, and Implementation Observation.

2.0 BASIC SERVICES

The Landscape Architect's Basic Service shall consist of the four (4) phases described in Paragraph's 2.1 through 2.4 as follows:

2.1 SCHEMATIC DESIGN

- 2.1.1 The Landscape Architect shall visit the site to verify and inventory existing conditions.
- 2.1.2 Working with the Client, the Landscape Architect shall prepare concept plans and sketches specifically addressing:
 - Landscape screening from Addison Road

- 2.1.3 The Landscape Architect shall submit to the Client an Opinion of Probable Construction Cost based on current area or unit costs.
- 2.2 CONSTRUCTION DOCUMENTS Based on the approved Schematic Design Documents and approved Opinion of Probable Construction Cost, the Landscape Architect shall prepare for approval by the Client, Construction Documents for components consisting of:
 - Landscape Planting Plan, details, and specifications
 - Landscape Irrigation Plan, details, and specifications
- 2.3 BIDDING SERVICES Based on approved Construction Documents, the Landscape Architect shall provide bidding services to include the following:
 - Help in the preparation of landscape addenda items if required.
 - Answer questions and prepare clarifications during the bidding process.
 - Review bids as requested.
- 2.4 IMPLEMENTATION OBSERVATION During construction, the Landscape Architect shall perform the following construction implementation services:
 - 2.4.1 Review shop drawings and submittals as requested.
 - 2.4.2 The Landscape Architect shall make the following trips to the site to observe contractor progress and plan compliance:
 - Maximum one trip during the landscape installation
 - 2.4.3 The Landscape Architect shall report any discrepancies or problems to the Client.

3.0 FEES

The Client shall compensate the Landscape Architect for the services described in 2.0 above as follows:

3.1 BASIC SERVICES - The Client agrees to pay the Landscape Architect a lump sum fee of two thousand nine hundred forty dollars and no cents (\$2,940.00) to be billed monthly at a percentage of the work completed.

3.2 **REIMBURSABLE EXPENSES** – Direct Expenses such as reproduction, airfare, mileage, facsimile, long distance telephone, microfilming, mylars, and reductions, and other out-of-pocket expenses relating solely to the project will be invoiced separately at our direct cost times a multiplier of 1.1.

4.0 LIMITATIONS

Limitations to the work involved are as follows:

- 4.1 Basic Services do <u>not</u> include the following:
 - Instrument surveying or field verification of existing hardscape, trees, vegetation, or topography
 - As-built surveys and drawings
 - Redesign of project in attempt to reduce construction costs (after budget approval)
 - Attendance at formal meetings or presentations (i.e. Planning and Zoning, City Council, etc.)
 - Applying for and obtaining construction permits
 - Design of any special site or landscape amenities not previously outlined under Basic Services
- 4.2 Basic Services and associated fees assume a detailed topographical survey will be provided to the Landscape Architect at no charge to the Landscape Architect.
- 4.3 Structural Engineering is not included for any site or landscape elements for which the Landscape Architect is providing Construction Documents.
- 4.4 All fees are due and payable upon receipt at the office of David C. Baldwin Inc., 730 East Park Boulevard, Suite 100, Plano, Collin County, Texas 75074.
- 4.5 Hourly rates of additional services or work requested by Client not under this contract agreement are as follows:

Principal/Landscape Architect	\$ 125.00/hour
Senior Landscape Architect	\$ 85.00/hour
Junior Landscape Architect	\$ 65.00/hour
Technical (CAD drafting)	\$ 60.00/hour
Clerical	\$ 40.00/hour

5.0 STATEMENT OF JURISDICTION

The Texas Board of Architectural Examiners has jurisdiction over complaints regarding the professional practices of persons registered as Landscape Architects in Texas. The Board's address and phone is P. O. Box 12337, Austin, TX 78711, phone: 512-305-9000, fax: 512-305-8900. The Board's web site address is www.tbae.state.tx.us.

AUTHURIZATION TO PROCEED:		
Signature:		_
Printed Name:		_
WASHINGTON GROUP INTERNATIONAL INC.	DAVID C. BALDWIN INC.	
Date:	Date:	



5220 Spring valley Rd., Suite 204 Dallas, TX 75254 (972) 385-1635 phone (972) 385-1639 fax

letter of transmittal

w,	Jim Pierce, P.	<u>E.</u>	,		project no	.: <u>27514.00</u>
	Town of Addis	on		client project no	* *	
	Public Works D	epart	ment	date	e: 8/18/04	
	16807 Westgr	ove			reference)
	Addison, TX 7	′5001	-9010			
				J		
we are s	sending you:	Х	enclosed	unde	er separate cover v	ia
item	no. copies		date	description	on	***
1	1		8/18/04	Fuel Tan	k/Addison Rd. Cros	s Sections
				201012		
		,	••••			
transmit	ted as noted:		for approval		no	exception taken
			X for your use		Ma	ake revisions
		<u></u>	for review ar	nd commer	nt	
remarks	: Please find	d atta	ched documents	as per yo	ur request.	
	Should you	⊔ hav	e any questions	don't hesit	tate to contact me a	at (972)
	385-1635	x 205				
	Miguel Ote	∍ro-Ji	menez, P.E.			
	Project Ma	ınage	er			