Steve Chutchian

From: Jim Pierce
Sent: Friday, February 13, 2004 10:33 AM
To: David Stack (E-mail)
Cc: Lisa Pyles; Mark Acevedo; Bill Dyer (E-mail); Steve Chutchian; David Wilde
Subject: RE: Addison Water Line

The Town is OK with the 8" water main concept. We request the connection be made "dry" using an 8" Tee and 8" valve. An easement will not be required because the line is on our property. We do need a drawing submitted. In lieu of a tap fee, we request that a fire hydrant be installed adjacent to the road to use the 6" tap for the line to be abandoned. This will also solve a problem for our Fire Dept.

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

-----Original Message-----
From: Bill Dyer [mailto:Bill.Dyer@Staubach.com]
Sent: Friday, February 13, 2004 9:41 AM
To: Jim Pierce
Cc: Lisa Pyles; Mark Acevedo
Subject: FW: Addison Water Line
Importance: High

Jim;

Frito-Lay is requesting immediate relief for an utility easement parallel to their north boundary. They are unable to get sufficient water pressure to their site as originally plan. They are wanting to abandon the water line under their newly poured ramp in favor of the north approach (see attached). They are wanting verbal approval with the paper work to follow otherwise construction will be delayed.

Please advise.

Bill Dyer
-----Original Message-----
From: David Stack
Sent: Friday, February 13, 2004 8:26 AM
To: Bill Dyer; Jim Pierce
Cc: Brad Blankenship; Larry Toon; ccoleman@constructors.com; Scott A. Marek (smarek@corgan.com); 'Steele, Lee J {FLNA}'
Subject: FW: Addison Water Line

Bill:

We need immediate, this afternoon if possible, approval for an easement and City Engineering approval to install a new 8" fire line along the North side of the property. Per our Fire Protection Engineer, this is required whether or not we install a fire pump due to the relatively low pressure recently measured at the site.

Please advise ASAP, thank you.

-----Original Message-----
From: Pam Petrides
Sent: Friday, February 13, 2004 8:16 AM
To: David Stack
Subject: Addison Water Line

Pam Petrides
Design & Construction Consulting
THE STAUBACH COMPANY
15601 Dallas Parkway, Suite 400
Addison, Texas 75001
Direct: 972.361.5028 Fax: 972.361.5916
Main: 972.361.5000
pam.petrides@staubach.com

PROJECT MANAGEMENT REPORT #19

Period #: January 20- February 2
Update Issued: February 9
Prepared By: David Stack

Distribution:

Ken O'Gara	Lee Steele
Dennis Olson	Jack Tunnell
Brad Blankenship	Larry Toon
Bill Dyer	Matt Mooney
Mike Connell	Mary Hart
Steve Markussen	Brad Moss
Jenny Nicewander	David Weatherford
Carson Coleman	Jerry Holder
Bob Bundy	Tito Caro
Luis Elguezabal	Jim Pierce
Guy Castellano	Paul Formichelli

Milestone schedule:

1.	Electrical Drawings: Final Drawings for Construction	1/29
2.	Oncor Electric Relocation	Pending Phone Line Relocation
3.	Delivery of Metal Building/Doors	Ongoing
4.	Building Dry-In	2/24
5.	Complete Apron Project	4/15
6.	Complete Road Project	4/15
7.	Substantial Completion of Project	4/16
8.	Final Completion of Project	5/3
9.	FLNA Aircraft Inspection	4/30-5/17

Next update with Dave Rader – TBD

Next Jobsite meeting – February 2 at 3:00 PM

Apron/Road/Hangar Coordination Meetings – 2/23, 3/8, 3/22 at 2:00 pm

No.	Action Items	Action By	Action Date	Status
	Real Estate – give notice to existing Landlord/FLNA			Pending
1. Offsite Road and Utilties				
	Road Relocation: **Contractor has mobilized and will work around existing poles**	**Info**		**info**
	Electric Relocation: **Phone lines to be relocated, Town has contacted them several times.**	SBC	**CRITICAL**	Pending
	Apron Project: Contractor has mobilized and will be setting up batch plant and trailer	Info		Info
2. Sitework				
	Stormwater Protection: Price remote controls for valve	Info		Info
	Fence: Town is to work with the Fire Dept on the operation of the gates, these will be ordered with infrared readers.	TOWN		Pending
3. Architectural/ Structural				
	Safety Lines in Hangar: • proceed with SALA Quote, use allowance for misc. metal supports • Submit package for formal approval • GC to coordinate routing of lines with other overhead components	Constructors		info
	Epoxy Floor Selection: • Pursuing site visit with Brett/DLS • Pursuing site visit/quote with Tennant product	Constructors Corgan		Pending
	Metal Building: NTP given for Butler to make changes to the metal building. Design information is due to confirm costs for installation. Copy new drawings to Corgan, TSC, and FM Global.	Constructors	DUE on 2/10	pending

	Fire Protection: **Cost proposal for a foam system is $86K. Foam will not be installed.** **Flow readings were redone and contractor is verifying if a fire pump would be required due to pressure readings. Reed Fire Protection has been retained to confirm the subcontractors calculations.**	Info Reed Fire Protection		**pending**
4. MEP				
	Electrical: • Final stamped drawings resent as well addressing most of Robinette's comments. • Revise furniture feeds per TUSA's request. • Meeting should be held with Dennis/Jack to confirm final placement of switches/etc.	Info Design Elec.		Complete pending
	Mechanical: • Rezoning of Office area is requested on final drawing	Constructors	ongoing	Pending
	Plumbing: No issues noted	Info		info
	Fire Alarm: **Need drawings for approval**	Constructors		Info
5. Security				
	Entech: • Confirm camera conduit routing: received revised drawing from Entech • Add pedestal at ramp exit.	Info		info
6. General Contractor / Construction				
	Pricing: PCR 1: approved PCR 2: approved PCR 3: Pricing received for misc changes PCR 4: Pricing received for screen wall at transformer, approved to reuse sidelight			Complete

	Pay Applications: Town – Pay #2 sent to Town. FLNA – Pay #2 sent to FLNA.	Info		info
7. IT Issues				
	Telecom: FLNA will contact SW Bell for application of required services.	FLNA IT		pending
9. Furniture/AV/Misc.				
	Furniture: Recommendations on furniture feeds received Spec for reception furniture given by Corgan	Info		info
	Interior Signage – Leave budget in GMP, give vendors to FLNA. Per the Airport on 2/9...no signage is required for AOA security.	Staubach		Pending
10. Moving:				
	Get budget price for office relocation.	FLNA		Pending

JIM BOWMAN CONSTRUCTION CO., L.P.
1111 Summit, Suite 1
Plano, TX. 75074
972-423-1313

LETTER OF TRANSMITTAL

DATE	JOB NO.
FEB. 9, 2004	630

ATTENTION: MR. LUKE SALBERT

RE: AIRPORT PARKWAY REALIGNMENT

TO: TOWN OF ADDISON

WE ARE SENDING YOU ☑ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications

☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
10	2/9/04		CONSTRUCTION SCHEDULE

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval

☑ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution

☑ As requested ☐ Returned for corrections ☐ Return _____ corrected prints

☐ For review and comment ☐ _____

☐ FOR BIDS DUE _____ 19 _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS _____

COPY TO _____

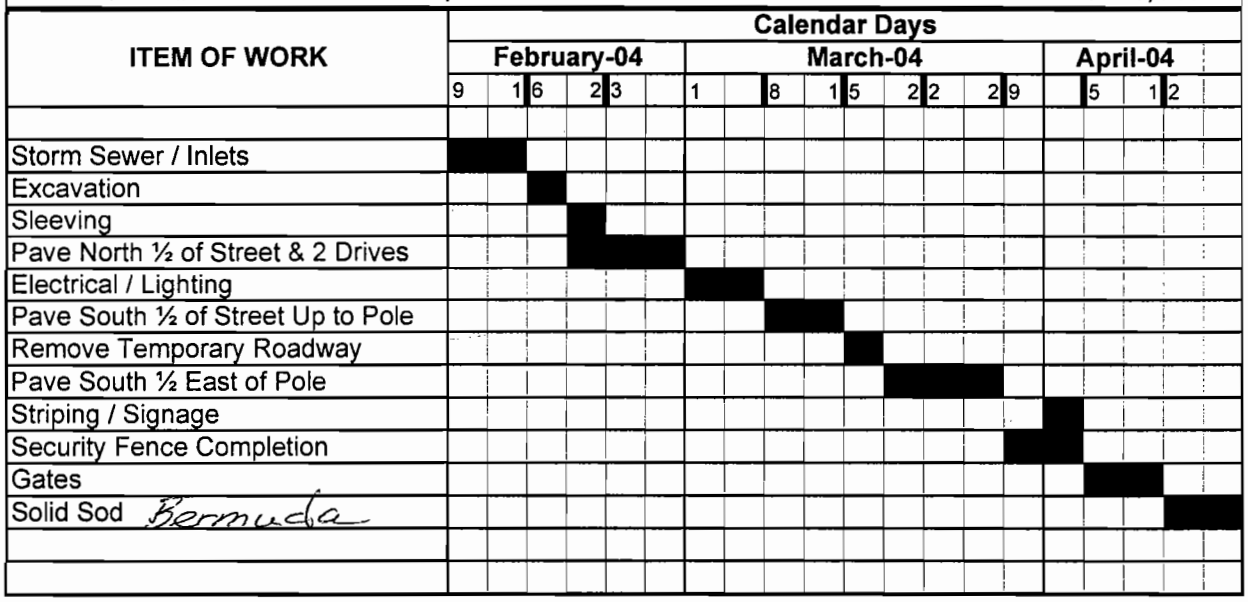
SIGNED: _____

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

2/9/04

CONSTRUCTION SCHEDULE
AIRPORT PARKWAY REALIGNMENT - TOWN OF ADDISON

JIM BOWMAN CONSTRUCTION CO., L.P. **PREPARED FEBRUARY 9, 2004**



2-9-04

CARSON - constructors -
next - paving front area & apron
steel erection - start interior on 23RD
coordinating tie ins @ ramp &
airport PKWY

Bryan Piper - site - this
week - demo apron next week,
~~split~~ start pouring apron
move plant in ~~a~~ next week

power to trailers this week

Jim Bowman - pouring approaches
next week - finish drainage & dirt
work this week, follow to S. side
submitted schedule - different work ~~[illegible]~~
~~[illegible]~~ period

Bill Dyer ~~[illegible]~~ requested
~~[illegible]~~ ~~[illegible]~~ ~~[illegible]~~ temp drains
fixed up

25th Anniversary
1978-2003

COWLES & THOMPSON
A Professional Corporation
ATTORNEYS AND COUNSELORS

JOHN M. HILL
214.672.2170
JHILL@COWLESTHOMPSON.COM

October 14, 2003

VIA HAND DELIVERY

Mr. Mark Acevedo
Administrator
Facilities & Fleet Services
Addison Service Center
16801 Westgrove Drive
Addison, TX 75001-5190

RE: Frito-Lay

Dear Mark:

Enclosed is a copy of the revised survey for the Frito-Lay ground lease property which I received this morning. I would appreciate your review and comment. Thanks.

Very truly yours,

John M. Hill

JMH/yjr
Enclosure

cc: Mr. Ken Dippel

Steve - Please review and let me have your comments.

Jim
10-21-03

October 17, 2003

MEMORANDUM

To: Chris Terry, Assistant City Manager

From: Jim Pierce, P.E., Assistant Public Works Director
CC: Mark Acevedo, Facilities and Fleet Services Administrator

Subject: Frito Lay Project Status

Hangar Civil Design: Design has been approved.

Hanger Architectural Design: Permit set of plans received 9/22. Plans were incomplete and another submittal was made on 10/16. This set should be suitable for construction permit.

Airport Parkway Realignment: Bids received Oct 16th. Bowman Construction was low bidder at $223,820. Will take to Council Oct 28.

Electric Relocation: Design underway by TXU. Review meeting was held Oct. 8. Should have had a design to review 10/15. Design not yet received. We are following up.

Airport Ramp Project: Bids now due October 23. (Pushed back one week by TxDOT due to an addendum required).

Construction Activity: Contractor has moved an office trailer on site. No actual construction activity as yet.

Miscellaneous: We have some issues with the location of their fire main and location of their emergency fuel spill tank but should be able to work them out.

Addison! Airport

4651 Airport Parkway • Addison, Texas 75001 • 972-392-4851 • 972-788-9334 Fax

FAX COVER SHEET

DATE: 9/28/2003

TO: Jim Pierce - 972-450-2837
Jerry Holder - 972-664-5614

FAX:

FROM: Bill Dyer

FAX:

Pages (including cover): 6

COMMENTS: FYI
The following was received from Frito-Lay attorneys and includes their request for modifications to the survey prepared by Dal-Tech. Dal-Tech received this directly per C.C.

STUTZMAN, BROMBERG, ESSERMAN & PLIFKA
A PROFESSIONAL CORPORATION
ATTORNEYS AND COUNSELORS
2323 BRYAN STREET
SUITE 2200
DALLAS, TEXAS 75201-2689

TELEPHONE: (214) 969-4900
FACSIMILE: (214) 969-4999

BYRON C. PRESCOTT
E-MAIL: prescott@sbep-law.com

September 26, 2003

VIA MESSENGER

Ms. Rose Boisse
Republic Title of Texas, Inc.
2626 Howell Street
10th Floor
Dallas, Texas 75204

VIA MESSENGER

Mr. Alan Moore
Dal-Tech Engineering, Inc.
17311 Dallas Parkway
Suite 200
Dallas, Texas 75248

Re: Ground Lease Agreement (the "Agreement") by and between Town of Addison, Texas, a Municipal corporation (the "Landlord") and Frito-Lay, Inc., a Delaware corporation (the "Tenant") for certain real property consisting of 2.222 acres of land located at the Addison Airport, Town of Addison, Dallas County, Texas (the "Property").

Greetings:

Our firm represents the Tenant in the above-referenced transaction. This letter shall constitute our request for changes resulting from our review of the Commitment for Title Insurance No. 03R27191 (ND5) (the "Title Commitment") issued by First American Title Insurance Company (the "Title Company") and attached hereto with hand written corrections. This letter shall also constitute our request for changes resulting from our review of the Survey of the Property dated September 12, 2003 (the "Survey") prepared by Alan Moore of Dal-Tech Engineering, Inc. (the "Surveyor") and attached hereto with hand written notations.

The Title Commitment

1. The Title Commitment should be updated to be effective as of the date of the final survey.

2. Schedule A, Item 1(a) should read Frito-Lay, Inc., a Delaware.

3. Schedule A, Item 2 should read "Ground Lease."

4. Schedule A, Item 4 should include as a part of the legal description the field notes of the Survey.

5. Schedule B, Item 2 should be changed to read "Shortages in area."

6. Schedule B, Item 9 should be deleted as this is not a residential property.

7. Schedule B, Item 10 (l) should be deleted pursuant to a certificate/affidavit provided by Landlord that there are no other parties in possession and no rights of tenants under any unrecorded leases or rental agreements.

8. Schedule B, Item 10 (m) should be deleted pursuant to the Survey.

9. Schedule B, Item 10 (n) should be deleted pursuant to the Survey.

10. All items noted in Schedule C must be complied with at or prior to the release of the final Title Policy.

The Survey

1. The Surveyor should complete and include the attached Surveyor's Certificate to the Survey.

2. Surveyor should state in the "Notes" section the parking requirements for the Town of Addison, Texas giving the appropriate Municipal Code Section, as well as any other applicable codes.

3. Please show on the Survey drawing, including the recording information, all set-backs, fence lines, ingress and egress, bank slopes, easements and restrictions, including but not limited to those listed in Schedule B of the Title Commitment

and the Easement and Right of Way included with this letter from the Town of Addison, Texas, as Grantor, to TXU Gas Company, as Grantee dated on or about September 18, 2003.

4. Please verify that all utilities, including underground utilities, are placed within an easement and note the recording information for such easement on the Survey drawing.

5. Surveyor should note on the Survey drawing whether or not Airport Parkway is a publicly dedicated right-of-way, accepted for maintenance by The Town of Addison, Texas.

6. Please include in the "Notes" section what flood plain the Property is in according to the Federal Emergency Management Administration Maps for that area.

7. The legal description should be corrected as noted on the attached Survey and as follows:

   (a) The Warranty Deed referenced in the legal description refers to the City of Addison, Texas rather than the Town of Addison; and
   (b) The call on the Survey noted as S68° 41' 42"W, a distance of 79.51 feet to a p.k. nail was excluded from the field notes for the legal description.

8. Please confirm and note whether or not the one story building located on the northern boundary line of the Property crosses over that northern boundary line.

9. Please confirm and note on the Survey the ownership status of the property to the west of the Property.

10. Please describe what the two parallel lines represent that cross the Property. I have marked them with a question mark on the attached Survey.

11. Please include on the "Legend" the definitions for the items you have on the Survey marked as "SSMH", "WM" and "WMSS".

12. In the center of the Survey you reference the Owner as Addison Airport Town of Addison however it should read City of Addison, Texas as noted in the Warranty Deed and the Warranty Deed to which you refer by volume and page number actually lists the acreage as 364.34 acres rather than 373.656 acres. Please confirm and correct.

13. Finally, there is a small square just to the right of the western boundary line which I have circled and next to it written the words "what is this?" Please identify on the Survey what this small square represents.

We reserve the right to make further requests and comments regarding any other changes to the Title Commitment or the Survey not addressed above

Sincerely,

Byron C. Prescott

cc: Ken O'Gara (via Federal Express w/enclosures)
Kelly M. Tullier (via Federal Express w/enclosures)
Russell Burton (via Federal Express w/enclosures)
Larry Toon (via Federal Express w/enclosures)
John Hill (via Federal Express w/enclosures)
William Dyer (via Federal Express w/enclosures)

Surveyor's Certificate

I, _____, a Registered Professional Land Surveyor, hereby certify to Frito-Lay, Inc., a Delaware corporation, and its affiliates, First American Title Company, and its affiliates, and Republic Title of Texas, Inc., and its affiliates, that the herein survey plat represents a boundary survey performed for 2.222 acres of land located in City of Addison, County of Dallas, Texas (the "Property"), under my supervision on _____(date) and shows (i) the location of buildings, structures and other visible improvements situated on the above premises, and except as shown, there are no visible or recorded easements or rights of way across said premises or any other easements or rights of way of which the undersigned has been advised, no party walls, no protrusions onto easements or onto adjoining premises, streets or alleys by any of said buildings, structures or other improvements, and no protrusions on said premises by buildings, structures or other improvements situated on adjoining premises; (ii) the courses and measured distances of the exterior property lines of the premises and any easements located on or effecting the said premises; (iii) the total number of parking spaces on the Property and within each portion of the parking garage, if any; (iv) dimensions of buildings and each portion of any parking garage at ground level and the distance therefrom to the nearest facing exterior property line of said premises; (v) the scale, North direction, basis of bearings, beginning point, distance to the nearest intersecting street and point of reference from which the premises are measured, width of the street or streets on which the premises abut; (vi) Streets abutting the said premises are dedicated public roadways maintained by the City of Addison and any other applicable governmental body; Building set-back lines are shown, the subject property does not appear to be situated within a 100-year flood prone area; and that this map or plat and the survey on which it is based were made in accordance with Minimum Standard Detail Requirements for ALTA/ACSM land Title Surveys, jointly established and adopted by ALTA, ACSM and NSPS in 1999, and includes items 1-4, 6, 7a, 7c, 8-11a, 13-15 of Table A thereof. Pursuant to the Accuracy Standards as adopted by ALTA, ACSM and NSPS and in effect on the date of this certification, undersigned further certifies that the Positional Uncertainties resulting from the survey measurements made on the survey do not exceed the allowable Positional tolerance.

_____

Alan Moore
Registered Professional Land Surveyor
Texas Registration Number 5537

PHASE II
STORM WATER
POLLUTION
PREVENTION PLAN

FRITO LAY HANGER

Town of Addison, Texas

Prepared by:

Pacheco Koch Consulting Engineers

8350 N. Central Expressway, Suite 1000
Dallas, Texas 75206
(972) 235-3031
Fax (972) 235-9544

October, 2003

Pacheco Koch Consulting Engineers

October 1, 2003
PK No.: 1830-03.207

Mr. Dennis Olsen
FLNA
4601 Airport Parkway
Addison, Texas 75001

Re: **Storm Water Pollution Prevention Plan**
FRITO LAY HANGER
Addison, Dallas County, Texas

Dear Mr. Olsen:

Enclosed herewith please find information pertaining to the Storm Water Pollution Prevention Plan (SWPPP) for the referenced site. This plan has been developed using requirements outlined by the Texas Commission on Environmental Quality (TCEQ). This plan includes not only the specific construction plan, but also narrative descriptions, checklists, and reporting information, which must be reviewed, acknowledged and implemented during the course of construction. **The items specified on the Certification Checklist "Section 2" will need to be completed by you as an operator in order to ensure that your are in compliance with the state regulations.**

Not included in this document is the review and determination of any listed endangered or threatened species, or designated critical habitats in the project area.

As of March 10, 2003, construction sites which disturb between 1 and 5 acres of land or that are less than 1 acre and a part of a common development that is greater than one acre will be required to have a Phase II Storm Water Permit. Additionally, the Environmental Protection Agency will be delegating the responsibility of processing Phase II Storm Water Permit to the TCEQ. The TCEQ requires that the operators of construction sites obtain a Texas Pollutant Discharge Elimination System (TPDES) General Permit. The TCEQ defines an operator as one who 1) has operational control over construction plans and site specifications, and/or 2) has day to day control of site activities. Therefore, as defined, both the owner and the general contractor are operators. The TPDES General Permit requires that the operators develop, sign, certify, and implement a Storm Water Pollution Prevention Plan.

Please review this information, sign the certification items specified in Section 2, and forward to your General Contractor who is responsible for signing, implementing, and maintaining the SWPPP. A copy of the signed SWPPP is to be kept on-site and available for the duration of the project. Please note that severe penalties may be imposed for not completing and implementing the SWPPP.

If you have any questions or need additional information, please do not hesitate to call.

Sincerely,

Bradley J. Moss

BJM/slt
1830-24

8350 North Central Expressway Suite 1000 Dallas, Texas 75206 972.235.3031 Fax 972.235.9544 www.pkce.com

Pacheco Koch Consulting Engineers

October 1, 2003
PK No.: 1830-03.207

Mr. Carson Coleman
CONSTRUCTORS
3333 Welborn Street, Suite 200
Dallas, Texas 75219

Re: **Storm Water Pollution Prevention Plan**
FRITO LAY HANGER
Addison, Dallas County, Texas

Dear Mr. Coleman:

Enclosed herewith please find information pertaining to the Storm Water Pollution Prevention Plan (SWPPP) for the referenced site. This plan has been developed using requirements outlined by the Texas Commission on Environmental Quality (TCEQ). This plan includes not only the specific construction plan, but also narrative descriptions, checklists, and reporting information, which must be reviewed, acknowledged and implemented during the course of construction. **As a minimum, the items specified in "Section 2 Construction General Permit Checklists" will need to by completed by you as an operator in order to ensure that you are in compliance with state regulations.**

Not included in this document is the review and determination of any listed endangered of threatened species, or designated critical habitats in the project area.

Please review this information, and sign the certification items. Please note that severe penalties may be imposed for not completing and implementing the SWPPP.

If you have any questions or need additional information, please do not hesitate to call.

Sincerely,

Bradley J. Moss

BJM/slt
1830-24

8350 North Central Expressway Suite 1000 Dallas, Texas 75206 972.235.3031 Fax 972.235.9544 www.pkce.com

TABLE OF CONTENTS

SECTION 1

TCEQ CONSTRUCTION SITE NOTICE

CONSTRUCTION SITE NOTICE

FOR THE
Texas Commission on Environmental Quality (TCEQ)
Storm Water Program

TPDES GENERAL PERMIT TXR150000

The following information is posted in compliance with **Part II.D.2.** of the TCEQ General Permit Number TXR150000 for discharges of storm water runoff from construction sites. Additional information regarding the TCEQ storm water permit program may be found on the internet at:
www.tnrcc.state.tx.us/permitting/waterperm/wwperm/tpdestorm

Contact Name and Phone Number:	
Project Description: ((Physical address or description of the site's location, estimated start date and projected end date, or date that disturbed soils will be stabilized)	
Location of Storm Water Pollution Prevention Plan :	

For Construction Sites Authorized Under Part II.D.2. (Obtaining Authorization to Discharge) the following certification must be completed:

I _____ (Typed or Printed Name Person Completing This Certification) certify under penalty of law that I have read and understand the eligibility requirements for claiming an authorization under Part II.D.2. of TPDES General Permit TXR150000 and agree to comply with the terms of this permit. A storm water pollution prevention plan has been developed and implemented according to permit requirements. A copy of this signed notice is supplied to the operator of the MS4 if discharges enter an MS4 system. I am aware there are significant penalties for providing false information or for conducting unauthorized discharges, including the possibility of fine and imprisonment for knowing violations.

_____ _____
Signature and Title Date

SECTION 2

INSTRUCTION TO OPERATOR – CERTIFICATION & NOTIFICATION
IMPLEMENTATION PROCEDURE WITH CHECK LIST
DELEGATION OF AUTHORITY LETTER

INSTRUCTION TO CONTRACTOR

2.1 CERTIFICATION & NOTIFICATION

Upon receipt and review of this package, the Contractor must (a) certify the Storm Water Pollution Prevention Plan (SWPPP) and (b) submit certify Construction Site Notice to the appropriate agency. The checklist provided at the end of this document will be very useful in evaluating whether all the required items are included in the Storm Water Pollution Prevention Plan prior to certifying the plan.

A. *Certify the Pollution Prevention Plan*: The TCEQ General Permit requires that the plan be certified. The plan should identify an Authorized representative for each operator, generally the Owner and the General Contractor, (Section 3), to sign the plan. The authorized representative must be a legal representative of the company, such as the president, vice president or a general partner, who has been delegated the authority to sign and certify this type of document. In signing the plan, the authorized representative certifies that the information is true and assumes liability for the plan. Note that Section 309 of the Clean Water Act provides for significant penalties where information is false, or if the permittee violates, either knowingly or negligently, permit requirements. The authorized representative certifying the plan must, for each operator, delegate in writing an "Authorized Representative" by name or position that will complete the day to day requirements of the plan, as discussed in section 2.2.C.

In addition to the party or parties considered to be operators, construction activities often have a number of different short-term contractors and subcontractors coming onsite during each phase of the project development. These individuals are to be made aware of the control measures in place and the requirements of the SWPPP.

STORM WATER POLLUTION PREVENTION TEAM MEMBER QUALIFICATIONS	
Position	**Training Qualifications**

[1] Person(s) assigned to SWPPP Team delegated as "Authorized Representative"

CONSTRUCTION / IMPLEMENTATION

1. **Posting the Notice**

The SWPPP shall be signed and retained on-site at the facility, which generates the storm water discharge.

The permittee shall sign and post the Construction Site Notice in Section 1 near the main entrance of the construction site with the following information.

a. The name and telephone number of a local contact person;
b. A brief description of the project;
c. The location of the SWPPP if the site is inactive or does not have an on site location to store the plan.

A copy of the Construction Site Notice must be provided to the operator of the Town of Addison's Storm Sewer System, at least two (2) days prior to commencing construction activities at the following address:

Mr. James C. Pierce, Jr., P.E.
TOWN OF ADDISON
16801 Westgrove Drive
Addison, Texas 75001

2. **Implement Controls**: The first action that should be taken is to construct or perform the controls that were selected for the Storm Water Pollution Prevention Plan. The controls should be constructed or applied in accordance with State or local specifications. If there are no State or local specifications for control measures, then the controls should be constructed in accordance with good engineering practices. The controls must be constructed in the order indicated in the sequence of major activities. Stabilization measures must be applied within the time frame specified in the permit.

To ensure that controls are adequately implemented, it is important that the work crews who install the measures are experienced and/or adequately trained. Improperly installed controls can have little or no effect and may actually increase the pollution of storm water. It is also important that all other workers on the construction site be made aware of the controls so that they do not inadvertently disturb or remove them.

3. **Inspect & Maintain Controls**: As discussed previously, inspection and maintenance of the protective measures that are part of this plan are as important to pollution prevention as property planning, design; selection, and installation.

- Inspection: The TCEQ General Permit requires inspection every fourteen (14) days or within 24 hours following a storm of 0.5 inches or more in depth. All disturbed areas of the site, areas for material storage locations where vehicles enter or exit the site, and all of the erosion and sediment controls that were identified as part of the plan must be inspected. Controls must be in good operating condition until the area they protect has been completely stabilized and the construction activity is complete.
- All reports and inspections required by this permit will be completed by duly authorized representative or a member of projects Storm Water Pollution Prevention Team. Authorization of these team members will be made in writing by an officer for the operator to the Director of the TCEQ. The form included in Section 2 will be submitted to the director specifying the individual or a position having responsibility for the overall operation of the activity. The qualification of the individuals designated as authorized representatives will be documented in Section 2. Training will include but is not limited to the following:
- Regulation requirements.
- Storm Water Pollution Prevention Plan specifications.
- Inspection, maintenance, and documentation procedures.
- Spill response procedures.

- Maintenance/repairs: The inspector must record any damages or deficiencies in the control measures on an inspection report form provided for this purpose. These reports document the inspection of the pollution prevention measures. These same forms can be used to request maintenance and repair and to prove that inspection and maintenance were performed. The operator should correct damage or deficiencies as soon as practicable after the inspection but in no case later than fourteen (14) days after the inspection. Any changes that may be required to correct deficiencies in the Storm Water Pollution Prevention Plan should also be made as soon as practicable after the inspection but in no case later than 14 days after the inspection.

4. **Maintain Records of Construction Activities**: In addition to the inspection and maintenance reports, the operator should keep records of the construction activity on the site. In particular, the operator should keep a record of the following information:

- The dates when major grading activities occur in a particular area.
- The dates when construction activities cease in an area, temporarily or permanently.
- The dates when an area is stabilized, temporarily or permanently.

These records can be used to make sure that areas where there is no construction activity will be stabilized within the required time frame.

5. **Update / Change the Plan**: For a construction activity to be in full compliance with its TPDES storm water permit, and for the Storm Water Pollution Prevention Plan to be effective, the plan must accurately reflect site features and operations. When it does not, the plan must be changed. The plan must also be changed if the operator observes that it is not effective in minimizing pollutant discharge from the site. The plan shall also be updated, as required, to include stabilization controls required for off-site borrow and fill areas. Updates to the plan shall be recorded and maintained as a part of the plan.

If, at any time during the effective period of the permit, the permitting authority finds that the plan does not meet one or more of the minimum standards established by the General Permit, the permitting authority will notify the permittee of required changes necessary to bring the plan up to standard.

6. **Report Releases of Reportable Quantities**: Because construction activities may handle certain hazardous substances over the course of the project, spills of these substances in amounts that equal or exceed Reportable Quantity (RQ) levels are a possibility. EPA has issued regulations that define what reportable quantity levels are for oil and hazardous substances. These regulations are found at 40 CFR Part 110 Part 117, or 40 CFR Part 302. A list of the RQ's are included in this plan. If there is a RQ release during the construction period, then you must take the following steps:
   - Notify the National Response Center immediately at (800) 424-8802.
   - Within fourteen (14) days, submit a written description of the release to the EPA Regional Office providing the date and circumstances of the release and the steps to be taken to prevent another release.
   - Modify the pollution prevention plan to include the information listed above.

7. **Provide for Plan Location & Access**: The General Permit has specific requirements regarding plan location and access.
   - Plan location: A copy of the Pollution Prevention Plan must be kept at the construction site from the time construction begins until the site is finally stabilized.

- Retention of Records: Retention of records requires that copies of the Storm Water Pollution Prevention Plan and all other reports required by the permit, be retained for three (3) years after the completion of final site stabilization.
- Access: Although plans and associated records are not necessarily required to be submitted to the Director, these documents must be made available upon request to the Director, or any State or local agency who is approving erosion and sediment control plans, or storm water management plans. If site storm water runoff is discharged to a municipal separate storm sewer system, the plans must be made available upon request to the municipal operator of the system.

FINAL STABILIZATION/TERMINATION

Operators of a construction site must continue to comply with permit conditions until (1) they no longer meet the definition of an operator of a construction site; or (2) the construction activity is complete, all disturbed soils have been finally stabilized, and temporary erosion and sediment controls have been or will be removed. A permittee should submit a Notice of Termination (NOT) to inform TCEQ that he/she is no longer an operator of a construction activity.

1. **Final Stabilization**: Final stabilization is defined by the TCEQ General Permit as meaning that all soil disturbing activities at the site have been completed, and that a uniform perennial vegetative cover with a density of 70 percent of the cover for unpaved areas not covered by permanent structures has been established or equivalent permanent stabilization measures (such as the use of riprap, gabions or geotextiles) have been employed. When all construction activity is completed and the site is stabilized, remove erosion control devices and collected sediment. Reseed any areas disturbed by their removal.

3. **Record Retention**: Following the termination of construction activities the permittees must keep a copy of the Storm Water Pollution Prevention Plan and records of all the data used to complete the Notice of Intent for a period of at least three years following final stabilization. The record retention period may be extended by TCEQ's request.

CONSTRUCTION GENERAL PERMIT CHECKLISTS

CERTIFICATION CHECKLIST

	OWNER	OPERATOR
1. Sign, Post and Submit Construction Site Notice (Section 1)	☐	☐
2. Fill out, sign, and submit Representative Authorization Form (Section 2)	☐	☐
3. Sign Endangered Species Evaluation Certification (Section 3)	☐	☐
4. Sign Historic Places Impact Evaluation Certification (Section 3)	☐	☐
5. Sign Storm Water Plan Certification (Section 3)	☐	☐

Note: A copy of all signed documents referenced above must be maintained with the SWPPP.

IMPLEMENTATION / CONSTRUCTION CHECKLIST

1. Plan Implementation:
   - ☐ Plan certifications complete and maintained in SWPPP
   - ☐ Sign and post the Construction Site Notice at the entrance to the site with the following information:
     - Name and telephone number of local contact.
     - Brief description of the project.
     - Location of SWPPP.
   - ☐ Implement controls outlined in the SWPPP

Maintain Records of Construction Activities, (Add Construction Schedule to SWPPP) including:
- ☐ Dates when major grading activities occur
- ☐ Dates when construction activities temporarily cease on a portion of the site
- ☐ Dates when construction activities permanently cease on a portion of the site
- ☐ Dates when stabilization measures are initiated on the site

3*. Prepare Inspection Reports summarizing:
- ☐ Name of Inspector
- ☐ Qualifications of inspector
- ☐ Measures/areas inspected
- ☐ Observed conditions
- ☐ Changes necessary to the SWPPP

4*. Report Releases of Reportable Quantities of Oil or Hazardous Materials (if they occur):
- ☐ Notify National Response Center 800/424-8802 immediately
- ☐ Notify the TCEQ in writing within 14 days
- ☐ Modify the pollution prevention plan to include:
  - the date of release
  - circumstances leading to the release
  - steps taken to prevent reoccurrence of the release

5*. Modify Pollution Prevention Plan as necessary to:
- ☐ Comply with minimum permit requirements when notified by TCEQ that the plan does not comply
- ☐ Address a change in design, construction operations or maintenance which has an effect on the potential for discharge of pollutants
- ☐ Prevent recurrence of reportable quantity releases of a hazardous material or oil

Note: These procedures are to be an ongoing process for the length of the project.

STORM WATER POLLUTION PREVENTION PLAN UPDATES

Update Number	Date Effective	Page Number(s)	Update Description (Refer to Attachments if Necessary).	Permitee Signature	Date

Executive Director
Texas Commission on Environmental Quality
Storm Water & General Permits; MC-228
P.O. Box 13087
Austin, Texas 78711-3087

Re: **TPDES Storm Water General Permit No. TXR150000**
FRITO LAY
Airport Parkway @ Addison Airport
Delegating an "Authorized Representative"

Dear Director:

This letter serves to designate either a person or specifically described position as an authorized person for signing reports, storm water pollution prevention plans, certifications or other information requested by the Director or required by the permit. This person or position has responsibility for the overall operation of this regulated facility. This authorization cannot be used for signing the Storm Water Pollution Prevention Plan or the Notice of Intent (NOI). The following person or position is herby authorized to sign reports, plans or certifications other than the NOI application:

_____

By signing this authorization, I confirm that I meet the following requirements to make such a designation as set forth in §305.128 and §305.44(b) of Title 30 of the Texas Administrative Code.

For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function or any other person who performs similar policy or decision making functions for the corporation; or the manager of one or more manufacturing, production or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25,000,000 (in second quarter 1980 dollars) if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

For a partnership or sole proprietorship: by a general partner or the proprietor, respectively.

For a municipality, State, Federal or other public agency: by either a principal executive officer or ranking elected official. For purpose of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g. Regional Administrators of EPA).

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

_____ _____ _____
Name Title Date

SECTION 3

SITE DESCRIPTION
POLLUTION PREVENTION PLAN CERTIFICATION / NOI LOG
HISTORIC PLACES EVALUATION LETTER

SPECIFIC SITE DESCRIPTION

Project Name:	Frito Lay Hanger	Owner's Name:	FLNA
Address:	Airport Pkwy @ Addison Airport Addison, Texas	Address:	4601 Airport Parkway Addison, Texas 75001

A. Description of Project Site:

The proposed improvements include construction of a hanger with adjacent parking areas, and associate site utilities and paving. The sites slopes from the north edge at an elevation of 642.0 towards the south edge at elevation of 641.0. The site is outside of the 100-year flood plain shown on the Federal Emergency Management Agency, Dallas County, Texas and Incorporated Area Flood Plain Insurance Rate Map Panel Number 48113C0180J, dated August 23, 2001. Soil disturbing activities will include: clearing and grubbing; installing a stabilized construction entrance, perimeter and other erosion and sediment controls; grading; excavation for storm sewer, utilities, and building foundations; construction of curb and gutter, road, and parking areas; and preparation for final planting and seeding.

B. Latitude: 32° 57' 57" Longitude: 96° 50' 01"

C. Sequence of Major Activities and Control Measures:

1. Install stabilized construction entrance.
2. Install silt fence.
3. Continue clearing & grading.
4. Pile topsoil.
5. Stabilize denuded areas & stockpiles within 14 days of last construction activity in that area.
6. Install utilities, storm sewer, curb & gutter.
7. Install inlet protection.
8. Construct building.
9. Complete grading/install perm. seeding & plantings.
10. Complete final paving.
11. Remove accumulated sediment from basin.
12. When all construction activity is complete & the site is stabilized, remove erosion control devices and collected sediment. Reseed any areas disturbed by their removal.

The actual dates of major activities will be maintained and updated as needed on the Grading and Stabilization Record, Section 8, or by the projects Construction Schedule, which is to be made a part of this plan.

D. Site Area: The site is approximately 2.0 total acres of which 2.0 acres will be disturbed by construction activities.

E. Runoff Coefficient: The existing coefficient of runoff for the site is c = 0.9 and the final coefficient will be c = 0.90.

F. Edwards Aquifer and Indian Country Lands: This site is not located over the Edwards Aquifer Contributing Zone or the Recharge Zone and is not located on Indian Country Lands.

G. Soil Type/Water Quality: Data describing the water quality of storm water discharges for this site is not available at this time. Information will be added to this plan as it is received. The Geotechnical investigation classifies the soils on site as follows: Brown and tan stiff clay; dark brown stiff clay; tan shaly limestone; gray limestone.

H. Name of Receiving Waters: The entire site will drain into White Rock Creek, which is approximately 1.3 miles from the site.

I. Industrial Discharges: No discharges associated with industrial activities other than construction are expected.

J. Endangered/Threatened Species:

The proposed project is not expected to jeopardize the continued existence of any federally listed threatened, endangered species, nor is it expected to destroy or adversely modify their critical habitat. The listed or proposed threatened species believed to be in Dallas County

"LIST OF ENDANGERED SPECIES"

Black-capped Vireo	*Vireo Atricapillus*	Endangered
Golden-cheeked Warbler	Dendroica Chrysoparia	Endangered
Interior Least Tern	*Sterna Antillarum*	Endangered
Piping Plover	*Charadrius Melodus*	Threatened
Bald Eagle	*Haliaeetus Leucocephalus*	Threatened
Mountain Plover	*Charadrius Montanus*	Proposed

"ENDANGERED SPECIES HABITAT"

The Black-capped Vireo's habitats consist of grasses or forbs, rock, growing shrubs close to the ground level, scattered trees mix together with open areas of bare ground. The Golden-cheeked Warbler habitual areas are of the Edwards Plateau and the Lampasas cutplain. The premier nesting sites of the Interior Least Tern consist of salt flats, shallow rivers, and broad sandbars. The Piping Plover's sites include sandy beaches around oceans and lakes, lightly vegetated areas on alluvial islands in rivers, encrusted salt bare areas of sand, gravel or pebbly mud on alkaline interior lakes and ponds. In Texas, the Bald Eagle prefers nesting along river systems or areas close to bodies of water, such as lakes or reservoir. The Mountain Plover's inhabits expansive flats of short-grass prairies where it feeds on a variety of insects.

Dallas County is not listed as the critical habitat for any of the above mentioned species.

K. Historic Property: No property that is listed on or eligible for the National Register of Historic Places is located within the project area or is believed to be potentially impacted by storm water discharge associated with this site.

L. SWPPP Site Map: An Erosion and Sediment Control Drawing and Detail Sheet can be found in Section 10.

POLLUTION PREVENTION PLAN CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with an in-house design procedure designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who prepared the design, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

OPERATOR/OWNER:
Mr. Dennis Olsen
FLNA
4601 Airport Parkway
Addison, Texas 75001
(972) 248-3990

SIGNATURE DATE

PRINT NAME AND TITLE

OPERATOR/CONTRACTOR:
Mr. Carson Coleman
CONSTRUCTIORS
3333 Welborn Street, Suite 200
Dallas, Texas 75219
(214) 520-3353

SIGNATURE DATE

PRINT NAME AND TITLE

October 1, 2003
PK No.: 1830-03.207

Airport Parkway @ Addison Airport
FRITO LAY
Addison, Dallas County, Texas

Re: **HISTORIC PLACES IMPACT EVALUATION**
Addison, Dallas County, Texas

To Whom It May Concern:

A query of the records kept by the National Register of Historic Places was run to find out what properties were listed in Dallas County. After reviewing this query and the addresses of each, it is our opinion that this project poses no threat to any historic place listed with the National Register. A listing of the query run has been included with this plan.

Sincerely,

Bradley J. Moss

Operator's Certification Statement:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____
Dated: _____

BJM/slt
1830-24

SECTION 4

GENERAL PERMIT REQUIREMENTS
(TPDES Construction General Permit TXR 150000, March 5, 2003)

TPDES General Permit
NO. TXR150000

This is a new general permit issued pursuant to Section 26.040 of the Texas Water Code and Section 402 of the Clean Water Act.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. BOX 13087
Austin, TX 78711-3087

GENERAL PERMIT TO DISCHARGE WASTE

under provisions of
Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

Construction sites located in the state of Texas

may discharge to surface water in the state

only according to effluent limitations, monitoring requirements and other conditions set forth in this permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ), the laws of the State of Texas, and other orders of the TCEQ. The issuance of this general permit does not grant to the permittee the right to use private or public property for conveyance of storm water and certain non-storm water discharges along the discharge route. This includes property belonging to but not limited to any individual, partnership, corporation or other entity. Neither does this permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route.

This permit and the authorization contained herein shall expire at midnight five years after the date of issuance.

ISSUED AND EFFECTIVE DATE: MAR 05 2003

For the Commission

TCEQ General Permit Number TXR150000 Relating To Discharges From Construction Activities

Table of Contents

Part I. Definitions

Best Management Practices - (BMPs) Schedules of activities, prohibitions of practices, maintenance procedures, structural controls, local ordinances, and other management practices to prevent or reduce the discharge of pollutants. BMPs also include treatment requirements, operating procedures, and practices to control construction site runoff, spills or leaks, waste disposal, or drainage from raw material storage areas.

Commencement of Construction - The exposure of soils resulting from activities such as clearing, grading, and excavating.

Common Plan of Development - A construction activity that is completed in separate stages, separate phases, or in combination with other construction activities. A common plan of development is identified by the documentation for the construction project that identifies the scope of the project, and may include plats, blueprints, marketing plans, contracts, building permits, a public notice or hearing, zoning requests, or other similar documentation and activities.

Facility or Activity - Any TPDES "point source" or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under the TPDES program.

Final Stabilization - A construction site status where either of the following conditions are met:

(a) All soil disturbing activities at the site have been completed and a uniform (e.g, evenly distributed, without large bare areas) perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or goetextiles) have been employed.

(b) For individual lots in a residential construction site by either:

(1) the homebuilder completing final stabilization as specified in condition (a) above; or

(2) the homebuilder establishing temporary stabilization for an individual lot prior to the time of transfer of the ownership of the home to the buyer and after informing the homeowner of the need for, and benefits of, final stabilization.

(c) For construction activities on land used for agricultural purposes (e.g. pipelines across crop or range land), final stabilization may be accomplished by returning the disturbed land to its preconstruction agricultural use. Areas disturbed that were not previously used for agricultural activities, such as buffer strips immediately adjacent to a surface water and areas which are not being returned to their preconstruction agricultural use must meet the final stabilization conditions of condition (a) above.

Large Construction Activity - Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than five (5) acres of land. Large construction activity also includes the disturbance of less than five (5) acres of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than five (5) acres of land. Large construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, and original purpose of a ditch, channel, or other similar storm water conveyance. Large construction activity does not include the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities.

Municipal Separate Storm Sewer System (MS4) - A separate storm sewer system owned or operated by a state, city, town, county, district, association, or other public body (created by or pursuant to state law) having jurisdiction over the disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under state law such as a sewer district, flood control or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization.

Notice of Intent (NOI) - A written submission to the executive director from an applicant requesting coverage under a general permit.

Notice of Termination (NOT) - A written submission to the executive director from a permittee authorized under a general permit requesting termination of coverage.

Operator - The person or persons associated with a large or small construction activity that meets either of the following two criteria:

(a) the person or persons have operational control over construction plans and specifications to the extent necessary to meet the requirements and conditions of this general permit; or

(b) the person or persons have day-to-day operational control of those activities at a construction site which are necessary to ensure compliance with a storm water pollution prevention plan for the site or other permit conditions (e.g. they are authorized to direct workers at a site to carry out activities required by the Storm Water Pollution Prevention Plan or comply with other permit conditions).

Permittee - An operator authorized under this general permit. The authorization may be gained through submission of a notice of intent, by waiver, or by meeting the requirements for automatic coverage to discharge storm water runoff and certain non-storm water discharges.

Point Source - Any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are, or may be, discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

Pollutant - (from the Texas Water Code, Chapter 26) Dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, filter backwash, munitions, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, and industrial, municipal, and agricultural waste discharged into any surface water in the state. The term "pollutant" does not include tail water or runoff water from irrigation or rainwater runoff from cultivated or uncultivated rangeland, pastureland, and farmland.

Pollution - (from the Texas Water Code, Chapter 26) The alteration of the physical, thermal, chemical, or biological quality of, or the contamination of, any surface water in the state that renders the water harmful, detrimental, or injurious to humans, animal life, vegetation, or property or to public health, safety, or welfare, or impairs the usefulness or the public enjoyment of the water for any lawful or reasonable purpose.

Runoff Coefficient - The fraction of total rainfall that will appear at the conveyance as runoff.

Separate Storm Sewer System - A conveyance or system of conveyances (including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains), designed or used for collecting or conveying storm water; that is not a combined sewer, and that is not part of a publicly owned treatment works (POTW).

Small Construction Activity - Construction activities including clearing, grading, and excavating that result in land disturbance of equal to or greater than one (1) acre and less than five (5) acres of land. Small construction activity also includes the disturbance of less than one (1) acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one (1) and less than five (5) acres of land. Small construction activity does not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, and original purpose of a ditch, channel, or other similar storm water conveyance. Small construction activity does not include the routine grading of existing dirt roads, asphalt overlays of existing roads, the routine clearing of existing right-of-ways, and similar maintenance activities.

Storm Water - Storm water runoff, snow melt runoff, and surface runoff and drainage.

Storm Water Associated with Construction Activity - Storm water runoff from a construction activity where soil disturbing activities (including clearing, grading, excavating) result in the disturbance of one (1) or more acres of total land area, or are part of a larger common plan of development or sale that will result in disturbance of one (1) or more acres of total land area.

Structural Control (or Practice) - A pollution prevention practice that requires the construction of a device, or the use of a device, to capture or prevent pollution in storm water runoff. Structural controls and practices may include but are not limited to: silt fences, earthen dikes, drainage swales, sediment traps, check dams, subsurface drains, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins.

Surface Water in the State - Lakes, bays, ponds, impounding reservoirs, springs, rivers, streams, creeks, estuaries, wetlands, marshes, inlets, canals, the Gulf of Mexico inside the territorial limits

of the state (from the mean high water mark (MHWM) out 10.36 miles into the Gulf), and all other bodies of surface water, natural or artificial, inland or coastal, fresh or salt, navigable or nonnavigable, and including the beds and banks of all water-courses and bodies of surface water, that are wholly or partially inside or bordering the state or subject to the jurisdiction of the state; except that waters in treatment systems which are authorized by state or federal law, regulation, or permit, and which are created for the purpose of waste treatment are not considered to be water in the state.

Temporary Stabilization - A condition where exposed soils or disturbed areas are provided a protective cover, which may include temporary seeding, geotextiles, mulches, and other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place.

Waters of the United States - (from title 40, part122, section 2 of the Code of Federal Regulations) Waters of the United States or waters of the U.S. means:

(a) all waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;

(b) all interstate waters, including interstate wetlands;

(c) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds that the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters:

  (1) which are or could be used by interstate or foreign travelers for recreational or other purposes;

  (2) from which fish or shellfish are or could be taken and sold in interstate or foreign commerce; or

  (3) which are used or could be used for industrial purposes by industries in interstate commerce;

(d) all impoundments of waters otherwise defined as waters of the United States under this definition;

(e) tributaries of waters identified in paragraphs (a) through (d) of this definition;

(f) the territorial sea; and

(g) wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) through (f) of this definition.

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA (other than cooling ponds as defined in 40 CFR § 423.11(m) which also meet the criteria of this definition) are not waters of the United States. This exclusion applies only to manmade bodies of water which neither were originally created in waters of the United States (such as disposal area in wetlands) nor resulted from the impoundment of waters of the United States. Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with EPA.

Part II. Permit Applicability and Coverage

Section A. Discharges Eligible for Authorization

1. Storm Water Associated with Construction Activity

Discharges of storm water runoff from small and large construction activities may be authorized under this general permit.

2. Discharges of Storm Water Associated with Construction Support Activities

Discharges of storm water runoff from construction support activities, including concrete batch plants, asphalt batch plants, equipment staging areas, material storage yards, material borrow areas, and excavated material disposal areas may be authorized under this general permit provided:

(a) the activity is located within a 1-mile distance from the boundary of the permitted construction site and directly supports the construction activity;

(b) the storm water pollution prevention plan is developed according to the provisions of this general permit and includes appropriate controls and measures to reduce erosion and discharge of pollutants in storm water runoff from the supporting industrial activity site; and

(c) the industrial activity either does not operate beyond the completion date of the construction activity or obtains separate TPDES authorization for discharges.

3. Non-storm Water Discharges

The following non-storm water discharges from sites authorized under this general permit are also eligible for authorization under this general permit:

(a) discharges from fire fighting activities;

(b) fire hydrant flushings;

(c) vehicle, external building, and pavement wash water where detergents and soaps are not used and where spills or leaks of toxic or hazardous materials have not occurred (unless spilled materials have been removed; and if local state, or federal regulations are applicable, the materials are removed according to those regulations), and where the purpose is to remove mud, dirt, an dust;

(d) water used to control dust;

(e) potable water sources including waterline flushings;

(f) air conditioning condensate;

(g) uncontaminated ground water or spring water, including foundation or footing drains where flows are not contaminated with industrial materials such as solvents.

4. Other Permitted Discharges

Any discharge authorized under a separate NPDES, TPDES, or TCEQ permit may be combined with discharges authorized by this permit.

Section B. Limitations on Permit Coverage

1. Post Construction Discharges.

Discharges that occur after construction activities have been completed, and after the construction site and any supporting activity site have undergone final stabilization, are not eligible for coverage under this general permit. Discharges originating from the sites are not authorized under this general permit following the submission of the notice of termination (NOT) for the construction activity.

2. Prohibition of Non-Storm Water Discharges

Except as provided in Part II. A.2., A3., and A4., all discharges authorized by this general permit must be composed entirely of storm water associated with construction activity.

3. Compliance With Water Quality Standards

Discharges to surface water in the state that would cause or contribute to a violation of water quality standards or that would fail to protect and maintain existing designated uses are not eligible for coverage under this general permit. The executive director may require an application for an individual permit or alternative

general permit (see Part II.G.3) to authorize discharges to surface water in the state from any activity that is determined to cause a violation of water quality standards or is found to cause, or contribute to, the loss of a designated use. The executive director may also require an application for an individual permit considering factors described in Part II. G.2.

4. Discharges to Water Quality-Impaired Receiving Waters.

New sources or new discharges of the constituents of concern to impaired waters are not authorized by this permit unless otherwise allowable under 30 TAC Chapter 305 and applicable state law. Impaired waters are those that do not meet applicable water quality standards and are listed on the EPA approved Clean Water Act Section 303(d) list. Constituents of concern are those for which the water body is listed as impaired.

Discharges of the constituents of concern to impaired water bodies for which there is a total maximum daily load (TMDL) implementation plan are not eligible for this permit unless they are consistent with the approved TMDL and the implementation plan. Permittees must incorporate the limitations, conditions, and requirements applicable to their discharges, including monitoring frequency and reporting required by TCEQ rules, into their storm water pollution prevention plan in order to be eligible for coverage under this general permit.

5. Discharges to the Edwards Aquifer Recharge Zone

Discharges cannot be authorized by this general permit where prohibited by 30 Texas Administrative Code (TAC) Chapter 213 (relating to Edwards Aquifer).

(a) For new discharges located within the Edwards Aquifer Recharge Zone, or within that area upstream from the recharge zone and defined as the Contributing Zone, operators must meet all applicable requirements of, and operate according to, 30 TAC Chapter 213 (Edwards Aquifer Rule) in addition to the provisions and requirements of this general permit.

(b) For existing discharges, the requirements of the agency-approved Water Pollution Abatement Plan under the Edwards Aquifer Rules are in addition to the requirements of this general permit. BMPs and maintenance schedules for structural storm water controls, for example, may be required as a provision of the rule. All applicable requirements of the Edwards Aquifer Rule for reductions of suspended solids in storm water runoff are in addition to the requirements in this general permit for this pollutant. For discharges from large construction activities located on the Edwards Aquifer contributing zone, applicants must also submit a copy of the NOI to the appropriate TCEQ regional office."

Counties:	Contact:
Comal, Bexar, Medina, Uvalde, and Kinney	TCEQ Water Program Manager San Antonio Regional Office 14250 Judson Rd. San Antonio, Texas (210) 490-3096
Williamson, Travis, and Hays	TCEQ Water Program Manager Austin Regional Office 1921 Cedar Bend Dr., Ste. 150 Austin, Texas (512) 339-2929.

6. Discharges to Specific Watersheds and Water Quality Areas

Discharges otherwise eligible for coverage cannot be authorized by this general permit where prohibited by 30 TAC Chapter 311 (relating to Watershed Protection) for water quality areas and watersheds.

7. Protection of Streams and Watersheds by Other Governmental Entities

This general permit does not limit the authority or ability of federal, other state, or local governmental entities from placing additional or more stringent requirements on construction activities or discharges from construction activities. For example, this permit does not limit the authority of a home-rule municipality provided by Section 401.002 of the Texas Local Government Code.

8. Indian Country Lands

Storm water runoff from construction activities occurring on Indian Country lands are not under the authority of the TCEQ and are not eligible for coverage under this general permit. If discharges of storm water require authorization under federal National Pollutant Discharge Elimination System (NPDES) regulations, authority for these discharges must be obtained from the U.S. Environmental Protection Agency (EPA).

9. Oil and Gas Production

Storm water runoff from construction activities associated with the exploration, development, or production of oil or gas or geothermal resources, including transportation of crude oil or natural gas by pipeline, are not under the authority of the TCEQ and are not eligible for coverage under this general permit. If discharges

of storm water require authorization under federal NPDES regulations, authority for these discharges must be obtained from the EPA.

10. Storm Water Discharges from Agricultural Activities

Storm water discharges from agricultural activities that are not point source discharges of storm water are not subject to TPDES permit requirements. These activities may include clearing and cultivating ground for crops, construction of fences to contain livestock, construction of stock ponds, and other similar agricultural activities.

Section C. Deadlines for Obtaining Authorization to Discharge

1. Large Construction Activities

(a) New Construction - Discharges from sites where the commencement of construction occurs on or after the issuance date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to the commencement of those construction activities.

(b) Ongoing Construction - Operators of large construction activities continuing to operate after the issuance date of this permit, and authorized under NPDES general permit TXR100000 (issued July 6, 1998, FR 36490), must submit an NOI to obtain authorization under this general permit within 90 days of the issuance date of this general permit. During this interim period, as a requirement of this TPDES permit, the operator must continue to meet the conditions and requirements of the federal NPDES permit. If the construction activity is completed prior to this 90-day deadline, and the site would otherwise qualify for termination of coverage under that federal NPDES permit, the operator must notify the executive director of the TCEQ in writing within 30 days of that condition.

2. Small Construction Activities

(a) New Construction - Discharges from sites where the commencement of construction occurs on or after the issuance date of this general permit must be authorized, either under this general permit or a separate TPDES permit, prior to the commencement of those construction activities.

(b) Ongoing Construction - Discharges from ongoing small construction activities that commenced prior to March 10, 2003, and that would not meet the conditions to qualify for termination of this permit as described in Part II.E. of this general permit, must be authorized, either under this general permit or a separate TPDES permit, prior to March 10, 2003.

Section D. Obtaining Authorization to Discharge

1. Small construction activities are determined to occur during periods of low potential for erosion, and operators of these sites may be automatically authorized under this general permit and not required to develop a storm water pollution prevention plan or submit a notice of intent (NOI), provided:

   (a) the construction activity occurs in a county listed in Appendix A;

   (b) the construction activity is initiated and completed, including either final or temporary stabilization of all disturbed areas, within the time frame identified in Appendix A for the location of the construction site;

   (c) all temporary stabilization is adequately maintained to effectively reduce or prohibit erosion, final stabilization activities have been initiated and a condition, of final stabilization is completed no later than 30 days following the end date of the time frame identified in Appendix A for the location of the construction site;

   (d) the permittee signs a completed construction site notice (Attachment 1 of this general permit), including the certification statement;

   (e) a signed copy of the construction site notice is posted at the construction site in a location where it is readily available for viewing by the general public, local, state, and federal authorities prior to commencing construction activities, and maintained in that location until completion of the construction activity;

   (f) a copy of the signed and certified construction site notice is provided to the operator of any municipal separate storm sewer system receiving the discharge at least two days prior to commencement of construction activities; and

   (g) any supporting concrete batch plant or asphalt batch plant is separately authorized for discharges of storm water runoff or other non-storm water discharges under an individual TPDES permit, another TPDES general permit or under an individual TCEQ permit where storm water and non-storm water is disposed of by evaporation or irrigation (discharges are adjacent to water in the state).

2. Operators of small construction activities not described in Part II.D.1. above may be automatically authorized under this general permit, and operators of these sites are not required to submit an NOI provided they:

   (a) develop a SWP3 according to the provisions of this general permit, that covers either the entire site or all portions of the site for which the applicant

is the operator, and implement that plan prior to commencing construction activities;

(b) sign a completed construction site notice (Attachment 2 of this general permit);

(c) post a signed copy of the construction site notice at the construction site in a location where it is readily available for viewing by the general public, local, state, and federal authorities, prior to commencing construction activities, and maintain the notice in that location until completion of the construction activity; and

(d) provide a copy of the signed and certified construction site notice to the operator of any municipal separate storm sewer system receiving the discharge at least two days prior to commencement of construction activities.

3. Operators of all other construction activities that qualify for coverage under this general permit must:

(a) develop a SWP3 according to the provisions of this general permit, that covers either the entire site or all portions of the site for which the applicant is the operator, and implement that plan prior to commencing construction activities;

(b) submit a Notice of Intent (NOI), using a form provided by the executive director, at least 2 days prior to commencing construction activities; or

(c) if the operator changes, or an additional operator is added after the initial NOI is submitted, the new operator must submit an NOI at least two (2) days before assuming operational control;

(d) post a copy of the NOI at the construction site in a location where it is readily available for viewing prior to commencing construction activities, and maintain the notice in that location until completion of the construction activity;

(e) provide a copy of the signed NOI to the operator of any municipal separate storm sewer system receiving the discharge, at least two (2) days prior to commencing construction activities; and

(f) implement the SWP3 prior to beginning construction activities.

4. Effective Date of Coverage

(a) Operators of construction activities described in either Part II. D.1. or D.2. are authorized immediately following compliance with the conditions of Part II. D.1. or D.2. that are applicable to the construction activity.

(b) Operators of all other construction activities eligible for coverage under this general permit, unless otherwise notified by the executive director, are provisionally authorized two (2) days from the date that a completed NOI is postmarked for delivery to the TCEQ. If electronic submission of the NOI is provided, and unless otherwise notified by the executive director, operators are provisionally authorized 24 hours following confirmation of receipt of the NOI by the TCEQ. Authorization is non-provisional when the executive director finds the NOI is administratively complete and an authorization number is issued for the activity.

(c) Operators are not prohibited from submitting late NOIs or posting late notices to obtain authorization under this general permit. The TCEQ reserves the right to take appropriate enforcement actions for any unpermitted activities that may have occurred between the time construction commenced and authorization is obtained.

5. Notice of Change (NOC) Letter

If the operator becomes aware that it failed to submit any relevant facts, or submitted incorrect information in an NOI, the correct information must be provided to the executive director in a NOC letter within 14 days after discovery. If relevant information provided in the NOI changes, a NOC letter must be submitted within 14 days of the change. A copy of the NOC must be provided to the operator of any MS4 receiving the discharge.

6. Signatory Requirement for NOI Forms, Notice of Termination (NOT) Forms, NOC Letters, and Construction Site Notices

NOI forms, NOT forms, NOC letters, and Construction Site Notices must be signed according to 30 TAC § 305.44 (relating to Application for Permit).

7. Contents of the NOI

The NOI form shall require, at a minimum, the following information:

(a) the name, address, and telephone number of the operator filing the NOI for permit coverage;

(b) the name (or other identifier), address, county, and latitude/longitude of the construction project or site;

(c) number of acres that will be disturbed (estimated to the largest whole number);

(d) whether the project or site is located on Indian Country lands;

(e) confirmation that a SWP3 has been developed and that the SWP3 will be compliant with any applicable local sediment and erosion control plans; and

(f) name of the receiving water(s).

Section E. Application to Terminate Coverage

Each operator that has submitted an NOI for authorization under this general permit must apply to terminate that authorization following the conditions described in this section of the general permit. Authorization must be terminated by submitting a Notice of Termination (NOT) on a form supplied by the executive director. Authorization to discharge under this permit terminates at midnight on the day the NOT is postmarked for delivery to the TCEQ. If electronic submission of the NOT is provided, authorization to discharge under this permit terminates immediately following confirmation of receipt of the NOT by the TCEQ. Compliance with the conditions and requirements of this permit is required until an NOT is submitted.

1. Notice of Termination Required

The NOT must be submitted to TCEQ, and a copy of the NOT provided to the operator of any MS4 receiving the discharge, within thirty (30) days, after:

(a) final stabilization has been achieved on all portions of the site that is the responsibility of the permittee: or

(b) another permitted operator has assumed control over all areas of the site that have not been finally stabilized; and

(c) all silt fences and other temporary erosion controls have either been removed, scheduled for removal as defined in the SWP3, or transferred to a new operator if the new operator has sought permit coverage. Erosion controls that are designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal.

2. Minimum Contents of the NOT

The NOT form shall require, at a minimum, the following information:

(a) if authorization was granted following submission of a NOI, the permittees site-specific TPDES general permit number for the construction site;

(b) an indication of whether the construction activity is completed or if the permittee is simply no longer an operator at the site;

(c) the name, address and telephone number of the permittee submitting the NOT;

(d) the name (or other identifier), address, county, and latitude/longitude of the construction project or site; and

(e) a signed certification that either all storm water discharges requiring authorization under this general permit will no longer occur, or that the applicant to terminate coverage is no longer the operator of the facility or construction site, and that all temporary structural erosion controls have either been removed, will be removed on a schedule defined in the SWP3, or transferred to a new operator if the new operator has applied for permit coverage. Erosion controls that are designed to remain in place for an indefinite period, such as mulches and fiber mats, are not required to be removed or scheduled for removal.

Section F. Waivers from Coverage

The executive director may waive the otherwise applicable requirements of this general permit for storm water discharges from small construction activities under the terms and conditions described in this section.

1. Waiver Applicability and Coverage

Operators of small construction activities may apply for and receive a waiver from the requirements to obtain authorization under this general permit where:

(a) the calculated rainfall erosivity R factor for the entire period of the construction project is less than five (5);

(b) the operator submits a signed waiver certification form, supplied by the executive director, certifying that the construction activity will commence and be completed within a period when the value of the calculated rainfall erosivity R factor is less than five (5); and

(c) the waiver certification form is submitted to the TCEQ at least two (2) days before construction activity begins.

2. Effective Date of Waiver

Operators of small construction activities are provisionally waived from the otherwise applicable requirements of this general permit two (2) days from the date that a completed waiver certification form is postmarked for delivery to TCEQ.

3. Activities Extending Beyond the Waiver Period

If a construction activity extends beyond the approved waiver period due to circumstances beyond the control of the operator, the operator must either:

(a) recalculate the rainfall erosivity factor R factor using the original start date and a new projected ending date, and if the R factor is still under five (5), submit a new waiver certification form at least two (2) days before the end of the original waiver period; or

(b) obtain authorization under this general permit according to the requirements delineated in either Part II.D.2. or Part II.D.3. at least two (2) days before the end of the approved waiver period.

Section G. Alternative TPDES Permit Coverage

1. Individual Permit Alternative

Any discharge eligible for coverage under this general permit may alternatively be authorized under an individual TPDES permit according to 30 TAC Chapter 305 (relating to Consolidated Permits). Applications for individual permit coverage should be submitted at least three hundred and thirty (330) days prior to commencement of construction activities to ensure timely issuance.

2. Individual Permit Required

The executive director may suspend an authorization or NOI in accordance with the procedures set forth in 30 TAC Chapter 205, including the requirement that the executive director provide written notice to the permittee. The executive director may require an operator of a construction site, otherwise eligible for authorization under this general permit, to apply for an individual TPDES permit because of:

(a) the conditions of an approved TMDL or TMDL implementation plan;

(b) the activity is determined to cause a violation of water quality standards or is found to cause, or contribute to, the loss of a designated use of surface water in the state: and

(c) any other considerations defined in 30 TAC Chapter 205 would include the provision at 30 TAC § 205.4(c)(3)(D), which allows TCEQ to deny authorization under the general permit and require an individual permit if a discharger "has been determined by the executive director to have been out of compliance with any rule, order, or permit of the commission, including non-payment of fees assessed by the executive director."

3. Any discharge eligible for authorization under this general permit may alternatively be authorized under a separate, applicable general permit according to 30 TAC Chapter 205 (relating to General Permits for Waste Discharges).

Section H. Permit Expiration

This general permit shall be issued for a term not to exceed five (5) years. Following public notice and comment, as provided by 30 TAC § 205.3 (relating to Public Notice, Public Meetings, and Public Comment), the commission may amend, revoke, cancel, or renew this general permit. If the TCEQ publishes a notice of its intent to renew or amend this general permit before the expiration date, the permit will remain in effect for existing, authorized, discharges until the commission takes final action on the permit. Upon issuance of a renewed or amended permit, permittees may be required to submit an NOI within 90 days following the effective date of the renewed or amended permit, unless that permit provides for an alternative method for obtaining authorization.

In the event that the general permit is not renewed, discharges that are authorized under the general permit must obtain either a TPDES individual permit or coverage under an alternative general permit.

Part III. Storm Water Pollution Prevention Plans (SWP3)

Storm water pollution prevention plans must be prepared for storm water discharges that will reach Waters of the United States, including discharges to MS4 systems and privately owned separate storm sewer systems that drain to Waters of the United States, to identify and address potential sources of pollution that are reasonably expected to affect the quality of discharges from the construction site, including off-site material storage areas, overburden and stockpiles of dirt, borrow areas, equipment staging areas, vehicle repair areas, fueling areas, etc., used solely by the permitted project. The SWP3 must describe and ensure the implementation of practices that will be used to reduce the pollutants in storm water discharges associated with construction activity at the construction site and assure compliance with the terms and conditions of this permit.

Individual operators at a site may develop separate SWP3s that cover only their portion of the project provided reference is made to the other operators at the site. Where there is more than one SWP3 for a site, permittees must coordinate to ensure that BMPs and controls are consistent, and do not negate or impair the effectiveness of each other. Regardless of whether a single comprehensive SWP3 is developed, or separate SWP3s are developed for each operator, it is the responsibility of each operator to ensure that compliance with the terms and conditions of this general permit is met in the areas of the construction site where that operator has operational control over construction plans and specifications or day-to-day operational control.

Section A. Shared SWP3 Development

For more effective coordination of BMPs and opportunities for cost sharing, a cooperative effort by the different operators at a site is encouraged. Operators must independently submit an NOI and obtain authorization, but may work together to prepare and implement a single comprehensive SWP3 for the entire construction site.

1. The SWP3 must clearly list the name and, for large construction activities, the general permit authorization numbers, for each operator that participates in the shared SWP3. Until the TCEQ responds to receipt of the NOI with a general permit authorization number, the SWP3 must specify the date that the NOI was submitted to TCEQ by each operator. Each participant in the shared plan must also sign the SWP3.

2. The SWP3 must clearly indicate which operator is responsible for satisfying each shared requirement of the SWP3. If the responsibility for satisfying a requirement is not described in the plan, then each permittee is entirely responsible for meeting the requirement within the boundaries of the construction site where they perform construction activities. The SWP3 must clearly describe responsibilities for meeting each requirement in shared or common areas.

Section B. Responsibilities of Operators

1. Operators with Control Over Construction Plans and Specifications

All operators with operational control over construction plans and specifications to the extent necessary to meet the requirements and conditions of this general permit must:

(a) ensure the project specifications allow or provide that adequate BMPs may be developed to meet the requirements of Part III of this general permit;

(b) ensure that the SWP3 indicates the areas of the project where they have operational control over project specifications (including the ability to make modifications in specifications);

(c) ensure all other operators affected by modifications in project specifications are notified in a timely manner such that those operators may modify best management practices as are necessary to remain compliant with the conditions of this general permit; and

(d) ensure that the SWP3 for portions of the project where they are operators indicates the name and TPDES permit numbers for permittees with the day-to-day operational control over those activities necessary to ensure compliance with the SWP3 and other permit conditions. In the case that responsible parties have not been identified, the permittee with operational control over project specifications must be considered to be the responsible party until such time as the authority is transferred to another party and the plan is updated.

2. Operators with Day-to-Day Operational Control

Operators with day-to-day operational control of those activities at a project that are necessary to ensure compliance with a SWP3 and other permit conditions must:

(a) ensure that the SWP3 for portions of the project where they are operators meets the requirements of this general permit;

(b) ensure that the SWP3 identifies the parties responsible for implementation of best management practices described in the plan;

(c) ensure that the SWP3 indicates areas of the project where they have operational control over day-to-day activities;

(d) ensure that the SWP3 indicates, for areas where they have operational control over day-to-day activities, the name and TPDES permit number of the parties with operational control over project specifications (including the ability to make modifications in specifications).

Section C. Deadlines for SWP3 Preparation and Compliance

1. The SWP3 must be:

(a) completed prior to obtaining authorization under this general permit;

(b) implemented prior to commencing construction activities that result in soil disturbance;

(c) updated as necessary to reflect the changing conditions of new operators, new areas of responsibility, and changes in best management practices; and

(d) prepared so that it provides for compliance with the terms and conditions of this general permit.

Section D. Plan Review and Making Plans Available

1. The SWP3 must be retained on-site at the construction site or, if the site is inactive or does not have an on-site location to store the plan, a notice must be posted describing the location of the SWP3. The SWP3 must be made readily available at the time of an on-site inspection to: the executive director; a federal, state, or local agency approving sediment and erosion plans, grading plans, or storm water management plans; local government officials; and the operator of a municipal separate storm sewer receiving discharges from the site.

2. Operators of a large construction activity obtaining authorization to discharge through submission of a NOI must post a notice near the main entrance of the

construction site. If the construction project is a linear construction project (e.g. pipeline, highway, etc.), the notice must be placed in a publicly accessible location near where construction is actively underway. Notice for these linear sites may be relocated, as necessary, along the length of the project. The notice must be readily available for viewing by the general public, local, state, and federal authorities, and contain the following information:

(a) the TPDES general permit number for the project (or a copy of the NOI that was submitted to the TCEQ if a permit number has not yet been assigned);

(b) the name and telephone number of a representative for the operator;

(c) a brief description of the project; and

(d) the location of the SWP3.

3. This permit does not provide the general public with any right to trespass on a construction site for any reason, including inspection of a site; nor does this permit require that permittees allow members of the general public access to a construction site.

Section E. Keeping Plans Current

The permittee must revise or update the storm water pollution prevention plan whenever:

1. there is a change in design, construction, operation, or maintenance that has a significant effect on the discharge of pollutants and that has not been previously addressed in the SWP3; or

2. results of inspections or investigations by site operators, operators of a municipal separate storm sewer system receiving the discharge, authorized TCEQ personnel, or a federal, state or local agency approving sediment and erosion plans indicate the SWP3 is proving ineffective in eliminating or significantly minimizing pollutants in discharges authorized under this general permit.

Section F. Contents of SWP3

The SWP3 must include, at a minimum, the information described in this section.

1. A site description, or project description must be developed to include:

(a) a description of the nature of the construction activity, potential pollutants and sources;

(b) a description of the intended schedule or sequence of major activities that will disturb soils for major portions of the site;

(c) the total number of acres of the entire property and the total number of acres where construction activities will occur, including off-site material storage areas, overburden and stockpiles of dirt, and borrow areas;

(d) data describing the soil or the quality of any discharge from the site;

(e) a map showing the general location of the site (e.g. a portion of a city or county map);

(f) a detailed site map (or maps) indicating the following:

(i) drainage patterns and approximate slopes anticipated after major grading activities;

(ii) areas where soil disturbance will occur;

(iii) locations of all major structural controls either planned or in place;

(iv) locations where stabilization practices are expected to be used;

(v) locations of off-site material, waste, borrow, fill, or equipment storage areas;

(vi) surface waters (including wetlands) either adjacent or in close proximity; and

(vii) locations where storm water discharges from the site directly to a surface water body.

(g) the location and description of asphalt plants and concrete plants providing support to the construction site and authorized under this general permit;

(h) the name of receiving waters at or near the site that will be disturbed or that will receive discharges from disturbed areas of the project; and

(i) a copy of this TPDES general permit.

2. The SWP3 must describe the best management practices that will be used to minimize pollution in runoff. The description must identify the general timing or sequence for implementation. At a minimum, the description must include the following components:

(a) Erosion and Sediment Controls

(i) Erosion and sediment controls must be designed to retain sediment on-site to the extent practicable with consideration for local

topography, soil type, and rainfall. Controls must also be designed and utilized to reduce the offsite transport of suspended sediments and other pollutants if it is necessary to pump or channel standing water from the site.

(ii) Control measures must be properly selected, installed, and maintained according to the manufacturer's or designer's specifications. If periodic inspections or other information indicates a control has been used incorrectly, or that the control is performing inadequately, the operator must replace or modify the control as soon as practicable after discovery that the control has been used incorrectly, is performing inadequately, or is damaged.

(iii) Sediment must be removed from sediment traps and sedimentation ponds no later than the time that design capacity has been reduced by 50%.

(iv) If sediment escapes the site, accumulations must be removed at a frequency to minimize further negative effects, and whenever feasible, prior to the next rain event.

(v) Controls must be developed to limit, to the extent practicable, offsite transport of litter, construction debris, and construction materials.

(b) Stabilization Practices

The SWP3 must include a description of interim and permanent stabilization practices for the site, including a schedule of when the practices will be implemented. Site plans should ensure that existing vegetation is preserved where it is possible.

(i) Stabilization practices may include but are not limited to: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of existing trees and vegetation, and other similar measures.

(ii) The following records must be maintained and either attached to or referenced in the SWP3, and made readily available upon request to the parties in Part III.D.1 of this general permit:

(a) the dates when major grading activities occur;

(b) the dates when construction activities temporarily or permanently cease on a portion of the site; and

(c) the dates when stabilization measures are initiated.

(iii) Stabilization measures must be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and except as provided in (a) through (c) below, must be initiated no more than fourteen (14) days after the construction activity in that portion of the site has temporarily or permanently ceased.

(a) Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceased is precluded by snow cover or frozen ground conditions, stabilization measures must be initiated as soon as practicable.

(b) Where construction activity on a portion of the site is temporarily ceased, and earth disturbing activities will be resumed within twenty-one (21) days, temporary stabilization measures do not have to be initiated on that portion of site.

(c) In arid areas (areas with an average rainfall of 0 to 10 inches), semiarid areas (areas with an average annual rainfall of 10 to 20 inches), and areas experiencing droughts where the initiation of stabilization measures by the 14th day after construction activity has temporarily or permanently ceased is precluded by seasonably arid conditions, stabilization measures must be initiated as soon as practicable.

3. Structural Control Practices

The SWP3 must include a description of any structural control practices used to divert flows away from exposed soils, to limit the contact of runoff with disturbed areas, or to lessen the off-site transport of eroded soils.

(a) Sediment basins are required, where feasible for common drainage locations that serve an area with ten (10) or more acres disturbed at one time, a temporary (or permanent) sediment basin that provides storage for a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained, or equivalent control measures, shall be provided where attainable until final stabilization of the site. Where rainfall data is not available or a calculation cannot be performed, a temporary (or permanent) sediment basin providing 3,600 cubic feet of storage per acre drained is required where attainable until final stabilization of the site. When calculating the volume of runoff from a 2-year, 24-hour storm event, it is not required to include the flows from offsite areas and flow from onsite areas that are either undisturbed or have already undergone final stabilization, if

these flows are diverted around both the disturbed areas of the site and the sediment basin. In determining whether installing a sediment basin is feasible, the permittee may consider factors such as site soils, slope, available area on site, public safety, precipitation patterns, site geometry, site vegetation, infiltration capacity, geotechnical factors, depth to groundwater and other similar considerations. Where sediment basins are not feasible, equivalent control measures , which may include a series of smaller sediment basins, must be used. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries (and for those side slope boundaries deemed appropriate as dictated by individual site conditions) of the construction area.

(b) Sediment traps and sediment basins may also be used to control solids in storm water runoff for drainage locations serving less than ten (10) acres. At a minimum, silt fences, vegetative buffer strips, or equivalent sediment controls are required for all down slope boundaries (and for those side slope boundaries deemed appropriate as dictated by individual site conditions) of the construction. Alternatively, a sediment basin that provides storage for a calculated volume of runoff from a 2-year, 24-hour storm from each disturbed acre drained, or equivalent control measures, may be provided or where rainfall data is not available or a calculation cannot be performed, a temporary (or permanent) sediment basin providing 3,600 cubic feet of storage per acre drained may be provided.

4. Permanent Storm Water Controls

A description of any measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed must be included in the SWP3. Permittees are only responsible for the installation and maintenance of storm water management measures prior to final stabilization of the site or prior to submission of an NOT.

5. Other Controls

(a) Off-site vehicle tracking of sediments and the generation of dust must be minimized.

(b) The SWP3 must include a description of construction and waste materials expected to be stored on-site and a description of controls to reduce pollutants from these materials.

(c) The SWP3 must include a description of pollutant sources from areas other than construction (including storm water discharges from dedicated asphalt plants and dedicated concrete plants), and a description of controls and measures that will be implemented at those sites to minimize pollutant discharges.

(d) Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel to provide a non-erosive flow velocity from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected.

6. Approved State and Local Plans

(a) Permittees must ensure the SWP3 is consistent with requirements specified in applicable sediment and erosion site plans or site permits, or storm water management site plans or site permits approved by federal, state, or local officials.

(b) SWP3s must be updated as necessary to remain consistent with any changes applicable to protecting surface water resources in sediment erosion site plans or site permits, or storm water management site plans or site permits approved by state or local official for which the permittee receives written notice.

7. Maintenance

All erosion and sediment control measures and other protective measures identified in the SWP3 must be maintained in effective operating condition. If through inspections the permittee determines that BMPs are not operating effectively, maintenance must be performed before the next anticipated storm event or as necessary to maintain the continued effectiveness of storm water controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable. Erosion and sediment controls that have been intentionally disabled, run-over, removed, or otherwise rendered ineffective must be replaced or corrected immediately upon discovery.

8. Inspections of Controls

In the event of flooding or other uncontrollable situations which prohibit access to the inspection sites, inspections must be conducted as soon as access is practicable

(a) Personnel provided by the permittee and familiar with the SWP3 must inspect disturbed areas of the construction site that have not been finally stabilized, areas used for storage of materials that are exposed to precipitation, and structural controls for evidence of, or the potential for, pollutants entering the drainage system. Sediment and erosion control measures identified in the SWP3 must be inspected to ensure that they are operating correctly. Locations where vehicles enter or exit the site must be inspected for evidence of off-site sediment tracking. Inspections must be conducted at least once every fourteen (14) calendar days and within twenty four (24) hours of the end of a storm event of 0.5 inches or greater.

Where sites have been finally or temporarily stabilized, where runoff is unlikely due to winter conditions (e.g. site is covered with snow, ice, or frozen ground exists), or during seasonal arid periods in arid areas (areas with an average annual rainfall of 0 to 10 inches) and semi-arid areas (areas with an average annual rainfall of 10 to 20 inches), inspections must be conducted at least once every month.

As an alternative to the above-described inspection schedule of once every fourteen (14) calendar days and within twenty four (24) hours of a storm event of 0.5 inches or greater, the SWP3 may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative schedule is developed, the inspection must occur on a specifically defined day, regardless of whether or not there has been a rainfall event since the previous inspection.

(b) Utility line installation, pipeline construction, and other examples of long, narrow, linear construction activities may provide inspection personnel with limited access to the areas described in Part III.F.8.(a) above. Inspection of these areas could require that vehicles compromise temporarily or even permanently stabilized areas, cause additional disturbance of soils, and increase the potential for erosion. In these circumstances, controls must be inspected at least once every fourteen (14) calendar days and within twenty four (24) hours of the end of a storm event of 0.5 inches, but representative inspections may be performed. For representative inspections, personnel must inspect controls along the construction site for 0.25 mile above and below each access point where a roadway, undisturbed right-of-way, or other similar feature intersects the construction site and allows access to the areas described in Part III.F.8.(a) above. The conditions of the controls along each inspected 0.25 mile segment may be considered as representative of the condition of controls along that reach extending from the end of the 0.25 mile segment to either the end of the next 0.25 mile inspected segment, or to the end of the project, whichever occurs first.

As an alternative to the above-described inspection schedule of once every fourteen (14) calendar days and within twenty four (24) hours of a storm event of 0.5 inches or greater, the SWP3 may be developed to require that these inspections will occur at least once every seven (7) calendar days. If this alternative schedule is developed, the inspection must occur on a specifically defined day, regardless of whether or not there has been a rainfall event since the previous inspection.

(c) The SWP3 must be modified based on the results of inspections, as necessary, to better control pollutants in runoff. Revisions to the SWP3 must be completed within seven (7) calendar days following the inspection. If existing BMPs are modified or if additional BMPs are necessary, an implementation schedule must be described in the SWP3 and wherever

possible those changes implemented before the next storm event. If implementation before the next anticipated storm event is impracticable, these changes must be implemented as soon as practicable.

(d) A report summarizing the scope of the inspection, names and qualifications of personnel making the inspection, the dates of the inspection, and major observations relating to the implementation of the SWP3 must be made and retained as part of the SWP3. Major observations should include: The locations of discharges of sediment or other pollutants from the site; locations of BMPs that need to be maintained; locations of BMPs that failed to operate as designed or proved inadequate for a particular location; and locations where additional BMPs are needed.

Actions taken as a result of inspections must be described within, and retained as a part of, the SWP3. Reports must identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report must contain a certification that the facility or site is in compliance with the SWP3 and this permit. The report must be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports)

9. The SWP3 must identify and ensure the implementation of appropriate pollution prevention measures for all eligible non-storm water components of the discharge.

Part IV. Numeric Effluent Limitations

Section A. Limitations

All discharges of storm water runoff from concrete batch plants that qualify for coverage, and that are authorized to discharge storm water under the provisions of this general permit must be monitored at the following monitoring frequency and comply with the following numeric effluent limitations:

	Limitations	Monitoring
Parameter	Daily Maximum	Frequency
Total Suspended Solids	65 mg/l	1/Year*
Oil and Grease	15 mg/l	1/Year*
pH	between 6 and 9 standard units	1/Year*

* If discharge occurs.

Section B. Reporting Requirements

Results of monitoring for determining compliance with numeric effluent limitations must be recorded on a discharge monitoring report (DMR). The DMR must either be an original EPA No. 3320-1 form (Attachment 3 of this general permit), a duplicate of the form, or as otherwise provided by the executive director. Monitoring must be conducted prior to December 31st for each annual

monitoring period. A copy of the DMR must either be retained at the facility or shall be made readily available for review by authorized TCEQ personnel upon request, by March 31st following the end of each annual monitoring period. If the results indicate the violation of one or more of these numeric limitations, the permittee must also submit the DMR to the TCEQ's Information Resources Center (MC 212) by March 31st of each annual monitoring period.

Part V. Retention of Records

The permittee must retain the following records for a minimum period of three (3) years from the date that a NOT is submitted as required by Part II.D. For activities that are not required to submit an NOT, records shall be retained for a minimum period of three (3) years from the date that either: final stabilization has been achieved on all portions of the site that is the responsibility of the permittee; or another permitted operator has assumed control according to over all areas of the site that have not been finally stabilized. Records include:

1. A copy of the SWP3 plan.
2. All reports and actions required by this permit, including a copy of the construction site notice.
3. All data used to complete the NOI, if an NOI is required for coverage under this general permit.

Part VI. Standard Permit Conditions

1. The permittee has a duty to comply with all permit conditions. Failure to comply with any permit condition is a violation of the permit and statutes under which it was issued, and is grounds for enforcement action, for terminating coverage under this general permit, or for requiring a discharger to apply for and obtain an individual TPDES permit.

2. Authorization under this general permit may be suspended or revoked for cause. Filing a notice of planned changes or anticipated non-compliance by the permittee does not stay any permit condition. The permittee must furnish to the executive director, upon request and within a reasonable time, any information necessary for the executive director to determine whether cause exists for revoking, suspending, or terminating authorization under this permit. Additionally, the permittee must provide to the executive director, upon request, copies of all records that the permittee is required to maintain as a condition of this general permit.

3. It is not a defense for a discharger in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the permit conditions.

4. Inspection and entry shall be allowed under Texas Water Code Chapters 26-28, Health and Safety Code §§ 361.032-361.033 and 361.037, and 40 Code of Federal Regulations (CFR) §122.41(i). The statement in Texas Water Code § 26.014 that commission entry of a facility shall occur according to an establishment's rules and regulations concerning safety, internal security, and fire protection is not grounds for denial or restriction of entry to any part of the

facility or site, but merely describes the commission's duty to observe appropriate rules and regulations during an inspection.

5. The discharger is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§ 26.136, 26.212, and 26.213 for violations including but not limited to the following:

   a. negligently or knowingly violating CWA, §§ 301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under CWA, § 402, or any requirement imposed in a pretreatment program approved under CWA, §§ 402(a)(3) or 402(b)(8);

   b. knowingly making any false statement, representation, or certification in any record or other document submitted or required to be maintained under a permit, including monitoring reports or reports of compliance or noncompliance.

6. All reports and other information requested by the executive director must be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

7. Authorization under this general permit does not convey property or water rights of any sort and does not grant any exclusive privilege.

Part VII. Fees

Section A. Application Fees

An application fee of $100 must be submitted with each NOI for coverage of a large construction activity. A fee is not required for submission of an NOT or NOC letter.

Section B. Water Quality Fees

Large construction activities authorized under this general permit must pay an annual Water Quality Fee of $100 under Texas Water Code 26.0291 and according to TAC Chapter 205 (relating to General Permits for Waste Discharges).

Appendix A.
Periods of Low Erosion Potential by County

Start Date - End Date
Dec. 15 - Feb. 14
Archer
Baylor
Brown
Callahan
Childress
Coke
Coleman
Concho
Cottle
Dimmit
Eastland
Edwards
Fisher
Foard
Hardeman
Haskell
Irion
Jones
Kerr
Kimble
King
Kinney
Knox
Mason
Maverick
McCulloch
Menard
Nolan
Real
Runnels
Schleicher
Shackelford
Stephens
Stonewall
Sutton
Taylor
Throckmorton
Tom Green
Uvalde
Wichita
Wilbarger
Young
Zavala

Start Date - End Date
Nov. 15 - Apr. 30
Andrews
Armstrong
Borden
Brewster
Briscoe
Carson
Castro
Crane
Crosby
Dawson
Deaf Smith
Ector
Floyd
Gaines
Garza
Glasscock
Hale
Hansford
Hartley
Howard
Hutchinson
Lubbock
Lynn
Martin
Midland
Mitchell
Moore
Oldham
Pecos
Potter
Randall
Reagan
Scurry
Sherman
Sterling
Swisher
Terrell
Terry
Upton

Start Date - End Date
Feb. 1 - Mar. 30
Hall

Start Date - End Date
Nov. 15 - Jan. 14 or **Feb. 1 - Mar. 30**
Crockett
Dickens
Kent
Motley
Val Verde

Start Date - End Date
Nov. 1 - Apr. 14 or **Nov. 15 - Apr. 30**
Dallam
Hockley
Lamb
Parmer
Ward

Start Date - End Date
Nov. 1 - Apr. 30 or **Nov. 15 - May. 14**
Bailey
Cochran
Jeff Davis
Loving
Presidio
Reeves
Winkler
Yoakum

Start Date - End Date
Nov. 1 - May. 14
Culberson
Hudspeth

Start Date - End Date
Jan. 1 - Jul. 14 or **May. 15 - Jul. 31** or
Jun. 1 - Aug. 14 or **Jun. 15 - Sept. 14** or
Jul. 1 - Oct. 14 or **Jul. 15 - Oct. 31** or
Aug. 1 - Apr. 30 or **Aug. 15 - May. 14** or
Sept. 1 - May. 30 or **Oct. 1 - Jun. 14** or
Nov. 1 - Jun. 30 or **Nov. 15 - Jul. 14**
El Paso

Start Date - End Date
Jan. 1 - Mar. 30 or **Dec. 1 - Feb. 28**
Collingsworth
Donley
Gray
Hemphill
Lipscomb
Ochiltree
Roberts
Wheeler

SECTION 5

EROSION AND SEDIMENTATION CONTROLS AND CHECKLIST

EROSION & SEDIMENT CONTROL MEASURES

1. Stabilization Practices

Temporary Stabilization - Top soil stock piles and disturbed portions of the site where construction activity temporarily ceases for at least 21 days will be stabilized with temporary seed and mulch no later than 14 days from the last construction activity in that area. This stabilization will consist of the following: 1) All lawn areas to be Hydromulch Bermuda grass; 2) Bermuda grass seed shall be extra hulled and treated lawn type seed, delivered to the site in its original unopened container, and shall meet Texas State Law requirements; 3) Fiber shall be 100% Wood Cellulose Fiber delivered to the site in its original unopened container, "Conweb" or equal; 4) Fiber tack shall be delivered to the site in its original unopened container, and shall be "Terra-Tack One", as manufactured by Grass Growers, Inc., or equal; 5) Hydromulch with Bermuda grass seed at a rate of two (2) pounds per one thousand (1,000) square feet; 6) use a 4' x 8' batter board against all bed areas; and 7) If installation occurs between September 1 and April 1, all Hydromulch areas to be Winter Ryegrass, at a rate of four (4) pounds per one thousand (1,000) square feet. Areas of the site, which are to be paved, will be temporarily stabilized until pavement can be applied.

Permanent Stabilization - Disturbed portions of the site where construction activities permanently ceases shall be stabilized with permanent seed no later than 14 days after the last construction activity. This stabilization will consist of the following: 1) All lawn areas to be Hydromulch Bermuda grass; 2) Bermuda grass seed shall be extra hulled and treated lawn type seed, delivered to the site in its original unopened container, and shall meet Texas State Law requirements; 3) Fiber shall be 100% Wood Cellulose Fiber delivered to the site in its original opened container, "Conweb" or equal; 4) Fiber tack shall be delivered to the site in its original unopened container, and shall be "Terra-Tack One", as manufactured by Grass Growers, Inc., or equal; 5) Hydromulch with Bermuda grass seed at a rate of two (2) pounds per one thousand (1,000) square feet; 6) use a 4' x 8' batter board against all bed areas; 7) If installation occurs between September 1 and April 1, all hydromulch areas to be Winter Ryegrass, at a rate of four (4) pounds per one thousand (1,000) square feet; and 8) All lawn areas to be hydromulched shall have 90% coverage prior to final acceptance.

2. Structural Practices

Silt Fence - A silt fence consists of geotextile fabric supported by poultry netting or other backing stretched between either wooden or metal posts with the lower edge of the fabric securely embedded in the soil. The fence is typically located downstream of disturbed areas to intercept runoff in the form of sheet flow. Silt fence provides both filtration and time for sedimentation to reduce sediment and it reduces the velocity of the runoff. Properly designed silt fence is economical since it can be relocated during construction and reused on other projects. Silt fence is normally used as perimeter control located downstream of disturbed areas. It is only feasible for non-concentrated, sheet flow conditions.

Inlet Control - Inlet protection consists of a variety of methods of intercepting sediment at low point inlets through the use of stone, filter fabric and other materials. This is normally located at the inlet, providing either detention or filtration to reduce sediment and floatable materials in storm water. Inlet protection is normally used as a secondary defense in site erosion control due to the limited effectiveness and applicability of the technique. It is normally used in new developments that include new inlets or roads with new curb inlets or during major repairs to existing roadways. Inlet protection has limited use in developed areas due to the potential for loading, traffic safety and pedestrian safety and maintenance problems. Inlet protection can reduce sediment in storm sewer system by serving as a back system to onsite controls or by reducing sediment loads from controls with limited effectiveness such as straw bale dikes.

Stabilized Construction Entrance - A stabilized construction entrance consists of a pad consisting of gravel, crushed stone, recycled concrete or other rock like material on top of geotextile filter cloth to facilitate the wash down and removal of sediment and other debris from construction equipment prior to exiting the construction site. For added effectiveness, a wash rack area can be incorporated into the design to further reduce sediment tracking. For long term projects, cattle guards or other type of permanent rack system can be used in conjunction with a wash rack. This directly addresses the problem of silt and mud deposition in roadways used for construction site access. Stabilized construction entrances are used primarily for sites in which significant truck traffic occurs on a daily basis. It reduces the need to remove sediment from streets. If used property, it also directs the majority of traffic to a single location, reducing the number and quantity of disturbed areas on the site and providing protection for other structural controls through traffic control.

Triangular Sediment Filter Dike – A Triangular Sediment Filter Dike is a self contained silt fence consisting of filter fabric wrapped around welded wire fabric shaped into a triangular cross section. While similar in use to a silt fence, the dike is reusable, sturdier, transportable and can be used on paved areas of in situations where it is impractical to install embedded posts for support. Triangular filter dikes are used in place of silt fence, treating sediment flow at the perimeter of construction areas and at the perimeter of the site. Also, the dikes can serve as stream protection devices by preventing sediment from entering the streams or as check dams in small swales. Triangular sediment filter dikes are especially useful for construction areas surrounded by pavement, where silt fence or hay bale installation is impractible. Since they can be anchored without penetration (through the use of rock), pavement damage can be minimized. Triangular dikes are used to provide perimeter control by detaining sediment on a disturbed site with drainage that would otherwise flow onto adjacent properties. Triangular dikes also serve as sediment trapping devices when used in areas of sheet flow across disturbed areas or are placed along stream banks to prevent sediment-laden sheet flow from entering the stream. The dikes can be subjected to more concentrated flows and a higher flowrate than silt fence.

3. **Storm Water Management**

Storm water drainage will be provided by curb, gutter, and storm sewer for the developed areas. The areas, which are not developed, will be graded at less than 0.5:1 and have permanent seeding or plantings. Zero acres of the site will remain untouched and in its natural state.

WASTE CONTROL & DISPOSAL

Waste Materials - All waste materials will be collected and stored in a securely lidded metal dumpster rented from the local Waste Management Company, which is a licensed solid waste management company. The dumpster will meet all local and any State solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied periodically or more often if necessary, and the trash will be hauled to the City Dump. No construction waste materials will be buried onsite. All personnel will be instructed regarding the correct procedure for waste disposal. Notices stating these practices will be posted in the office trailer. The individual who manages the day-to-day site operations will be responsible for seeing that these procedures are followed.

Hazardous Waste - All hazardous waste materials will be disposed of in the manner specified by local or State regulations or by the manufacturer. Site personnel will be instructed in these practices and the individual who manages day-to-day site operations will be responsible for seeing that these practices are followed.

Sanitary Waste - All sanitary waste will be collected from the portable units periodically by a licensed sanitary waste management contractor, as required by local regulation.

Offsite Vehicle Tracking and Dust Control

A stabilized construction entrance has been provided to help reduce vehicle tracking of sediments. The paved street adjacent to the site entrance will be swept to remove any excess mud, dirt or rock tracked from the site. Dump trucks hauling material from the construction site will be covered with a tarpaulin. If dust is visible when dump tucks are leaving the site due to construction activities, dust suppression techniques such as wetting the soil will be employed.

TIMING OF CONTROLS / MEASURES

The contractor and the operator shall review the SWPPP requirements prior to beginning construction activities. The following is the erosion control sequence that needs to be followed.

1. **Site Mobilization**: Prior to any construction on the site a stabilized construction entrance shall be installed.
2. **Clearing & Rough Grading**: Prior to any grading of the site, erosion control measures, as specified in section 4.1 and shown on the Erosion Control Plan in Section 9 shall be installed. These controls may include but are not limited to silt fences, hay bales, sedimentation ponds and vegetated swales. The installation is required to prevent sediment from leaving disturbed areas.
3. **Storm Drain Installation**: In addition to maintaining the devices installed during initial grading, supplemental control measures will need to be installed. These devices will include devices shown on the plan such as storm drain inlet protection and sediment traps. Inlet protection devices prevent sedimentation from entering the inlet and subsequently, the storm sewer system as well as the receiving water body. Other devices may be required as shown on the erosion control plan or requested by the inspector or operator.
4. **Pavement Installation**: In addition to maintaining the control measures installed during initial grading and storm drain installation phases, supplemental measures should be installed. Upon completion of paving and curb backfill operations, control measures should install behind curbs at handicap ramps and along parkways where sediment could enter streets and/or paved areas.
5. **Final Grading**: Additional control measures are not required during final grading. However, maintenance of existing control measures installed during previous phases will continue.
6. **Installation of Public Utilities**: Additional control measures are likewise not required during installation of public utilities. However, maintenance of existing control measures installed during previous phases must continue.
7. **Building Construction**: In addition to maintaining previously installed control measures, a strict policy will be enacted which minimizes vehicle traffic from entering non-paved areas. Construction materials will be unloaded from existing paved surfaces where possible, thereby preventing disturbing control measures already in place and reducing sediment tracking into paved areas. Areas where construction activity temporarily ceases for more than 21 days will be stabilized with a temporary seed and mulch within 14 days of the last disturbance. Once construction activity ceases permanently in an area, that area will be stabilized with permanent seed and mulch. After the entire site is stabilized, the accumulated sediment will be removed and the erosion control measures will be removed.

COMPLIANCE WITH STATE & LOCAL REGULATIONS

The storm water pollution prevention plan reflects state and local requirements for storm water management and erosion and sediment control. A copy of the State regulations is included in Section 4.

EROSION AND SEDIMENT CONTROL CHECKLIST

Instructions: This checklist lists the minimum sediment erosion control requirements under the TPDES General Permit (TXR150000). Check each item and fill in the blanks below to evaluate compliance for each drainage area and location. Note: This checklist was prepared for the TCEQ General Permit.

Stabilization Practices

- ☐ Stabilization will be initiated on all disturbed areas where construction activity will not occur for a period of more than 21 calendar days by the 14th day after construction activity has permanently or temporarily ceased. Stabilization measures to be used include:
  - ☐ Temporary Seeding
  - ☐ Permanent Seeding
  - ☐ Mulching
  - ☐ Sod Stabilization
  - ☐ Geotextiles
  - ☐ Other _____

Structural Practices

- ☐ Flows from upstream areas will be diverted from exposed soils to the degree attainable. Measures to be used include:
  - ☐ Earth Dike
  - ☐ Drainage Swale
  - ☐ Interceptor Dike and Swale
  - ☐ Pipe Slope Drain

- ☐ Sediment Trap
- ☐ Silt Fence or equivalent along all sideslopes & downstream boundaries
- ☐ Other _____

FINAL STABILIZATION / TERMINATION CHECKLIST

1. All soil disturbing activities are complete.
2. Temporary erosion and sediment control measures have been, or will be, removed at an appropriate time.
3. All areas of the construction site not otherwise covered by a permanent pavement or structure have been stabilized with a uniform perennial vegetative cover with a density of 70% or equivalent measures have been employed.

SECTION 6

MAINTENANCE

MAINTENANCE

1. These are the maintenance practices that will be used to maintain erosion and sediment controls:

   - The total area denuded at one time will be minimized.
   - All control measures will be inspected at least once every two weeks and following any storm event of 0.5 inches or greater.
   - All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of report before next anticipated storm event (whichever less).
   - Built up sediment will be removed from silt fence when it has reached one-third the height of the fence.
   - Silt fence will be inspected for depth of sediment, tears, to see of the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground.
   - Inlet control will be inspected and repaired as necessary.
   - Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and healthy growth.

2. **To Maintain the above Practices, the following will be performed:**

   A. Maintenance and repairs will be conducted before the next anticipated storm event or as necessary to maintain the continued effectiveness of storm water controls.

   B. A maintenance inspection report will be made after each inspection. A copy of the report form to be completed by the inspector is attached.

   C. Personnel selected for inspection and maintenance responsibilities will have received training. They will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.

SECTION 7

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

The following are the material management practices that will be used to reduce risk of spills or other accidental exposure of materials and substances to storm water runoff:

1. **Good Housekeeping**: The following good housekeeping practices will be followed onsite during the construction project:

   - An effort will be made to store only enough product required to do the job.
   - All materials stored on-site will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
   - Products will be kept in their original containers with the original manufacturer's label.
   - Substances will not be mixed with one another unless recommended by the manufacturer.
   - Whenever possible, all of a product will be used up before disposing of the container.
   - Manufacturers' recommendations for proper use and disposal will be followed.
   - Designated areas for equipment maintenance and repair (control of oil, grease and fuel spills).
   - Waste receptacles with regular collection for litter and construction debris.
   - Equipment washdown area on-site with appropriate control of wash waters (including concrete truck washdown).
   - Protected storage areas for chemicals, paints, solvents, fertilizers and other potentially toxic materials.
   - Adequately maintained sanitary facilities.
   - Proper control of raw materials stored on-site (for example, sand, aggregate and cement used in the manufacture of concrete or stockpiles of topsoil).
   - Street sweeping or cleaning.
   - Removal of inlet protection barriers during major rainfall events if flooding occurs and verification that reinforced filter fabric fences are in proper condition prior to all rainfall events.
   - The site superintendent will inspect daily to ensure proper use and disposal of materials onsite.

2. **Hazardous Products**: The following practices are used to reduce the risks associated with hazardous materials.

   - Products will be kept in original containers unless they are not re-sealable.
   - Paints, solvents, fertilizer, fuel (small containers), and other stored chemical substances will be kept within an enclosure to protect the containers and the floor of the enclosure, from wind, precipitation, and storm water runoff.
   - Fuel storage and filling areas will be bermed off to provide collection of any spills and prevent exposure to storm water runoff.
   - Original labels and Material Safety Data Sheets (MSDS) will be retained on site and available for review by workers.
   - If surplus product must be disposed of, manufacturers' or local and State recommended methods for proper disposal will be followed.

PRODUCT SPECIFIC PRACTICES

The following product specific practices will be followed onsite:

1. **Petroleum Products**: All onsite vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers, which are clearly labeled. Any asphalt substances used onsite will be applied according to the manufacturer's recommendations.
2. **Fertilizers**: Fertilizers used will be applied only in the minimum amounts recommended by the manufacturer. Storage will be in a covered shed.
3. **Paints**: All containers will be tightly sealed and stored when not required for use. Excess paint will not be discharged to the storm sewer system but will be properly disposed of according to manufacturers' instructions or State and local regulations.
4. **Concrete Trucks**: Concrete trucks will not be allowed to wash out or discharge surplus concrete or drum wash water off the site. Wash water will be discharged and collected in a designated holding basin.

SPILL CONTROL PRACTICES

In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

- Manufacturers' recommended methods for spill cleanup will be maintained on-site in the material data sheets (MSDS) and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust and plastic and metal trash containers specifically for this purpose.
- All spills will be cleaned up immediately after discovery.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of the size. (National Response Center 800-424-8802)
- The spill prevention plan will be adjusted to include measures to prevent this type of spill from recurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included.

TABLE 117.3—REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES DESIGNATED PURSUANT TO SECTION 311 OF THE CLEAN WATER ACT

NOTE: The first number under the column headed "RQ" is the reportable quantity in pounds. The number in parentheses is the metric equivalent in kilograms. For convenience, the table contains a column headed "Category" which lists the code letters "X", "A", "B", "C", and "D" associated with reportable quantities of 1, 10, 100, 1000, and 5000 pounds, respectively.

TABLE 117.3—REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES DESIGNATED PURSUANT TO SECTION 311 OF THE CLEAN WATER ACT

Material	Category	RQ in pounds (kilograms)
Acetaldehyde	C	1,000 (454)
Acetic acid	D	5,000 (2,270)
Acetic anhydride	D	5,000 (2,270)
Acetone cyanohydrin	A	10 (4.54)
Acetyl bromide	D	5,000 (2,270)
Acetyl chloride	D	5,000 (2,270)
Acrolein	X	1 (0.454)
Acrylonitrile	B	100 (45.4)
Adipic acid	D	5,000 (2,270)
Aldrin	X	1 (0.454)
Allyl alcohol	B	100 (45.4)
Allyl chloride	C	1,000 (454)
Aluminum sulfate	D	5,000 (2,270)
Ammonia	B	100 (45.4)
Ammonium acetate	D	5,000 (2,270)
Ammonium benzoate	D	5,000 (2,270)
Ammonium bicarbonate	D	5,000 (2,270)
Ammonium bichromate	A	10 (4.54)
Ammonium bifluoride	B	100 (45.4)
Ammonium bisulfite	D	5,000 (2,270)
Ammonium carbamate	D	5,000 (2,270)
Ammonium carbonate	D	5,000 (2,270)
Ammonium chloride	D	5,000 (2,270)
Ammonium chromate	A	10 (4.54)
Ammonium citrate dibasic	D	5,000 (2,270)

TABLE 117.3—REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES DESIGNATED PURSUANT TO SECTION 311 OF THE CLEAN WATER ACT—Continued

Material	Category	RQ in pounds (kilograms)
Ammonium fluoborate	D	5,000 (2,270)
Ammonium fluoride	B	100 (45.4)
Ammonium hydroxide	C	1,000 (454)
Ammonium oxalate	D	5,000 (2,270)
Ammonium silicofluoride	C	1,000 (454)
Ammonium sulfamate	D	5,000 (2,270)
Ammonium sulfide	B	100 (45.4)
Ammonium sulfite	D	5,000 (2,270)
Ammonium tartrate	D	5,000 (2,270)
Ammonium thiocyanate	D	5,000 (2,270)
Amyl acetate	D	5,000 (2,270)
Aniline	D	5,000 (2,270)
Antimony pentachloride	C	1,000 (454)
Antimony potassium tartrate	B	100 (45.4)
Antimony tribromide	C	1,000 (454)
Antimony trichloride	C	1,000 (454)
Antimony trifluoride	C	1,000 (454)
Antimony trioxide	C	1,000 (454)
Arsenic disulfide	X	1 (0.454)
Arsenic pentoxide	X	1 (0.454)
Arsenic trichloride	X	1 (0.454)
Arsenic trioxide	X	1 (0.454)
Arsenic trisulfide	X	1 (0.454)
Barium cyanide	A	10 (4.54)
Benzene	A	10 (4.54)
Benzoic acid	D	5,000 (2,270)
Benzonitrile	D	5,000 (2,270)
Benzoyl chloride	C	1,000 (454)
Benzyl chloride	B	100 (45.4)
Beryllium chloride	X	1 (0.454)
Beryllium fluoride	X	1 (0.454)
Beryllium nitrate	X	1 (0.454)
Butyl acetate	D	5,000 (2,270)
Butylamine	C	1,000 (454)
n-Butyl phthalate	A	10 (4.54)
Butyric acid	D	5,000 (2,270)
Cadmium acetate	A	10 (4.54)
Cadmium bromide	A	10 (4.54)
Cadmium chloride	A	10 (4.54)
Calcium arsenate	X	1 (0.454)
Calcium arsenite	X	1 (0.454)
Calcium carbide	A	10 (4.54)
Calcium chromate	A	10 (4.54)
Calcium cyanide	A	10 (4.54)
Calcium dodecylbenzenesulfonate	C	1,000 (454)
Calcium hypochlorite	A	10 (4.54)
Captan	A	10 (4.54)
Carbaryl	B	100 (45.4)
Carbofuran	A	10 (4.54)
Carbon disulfide	B	100 (45.4)
Carbon tetrachloride	A	10 (4.54)
Chlordane	X	1 (0.454)
Chlorine	A	10 (4.54)
Chlorobenzene	B	100 (45.4)
Chloroform	A	10 (4.54)
Chlorosulfonic acid	C	1,000 (454)
Chlorpyrifos	X	1 (0.454)
Chromic acetate	C	1,000 (454)
Chromic acid	A	10 (4.54)
Chromic sulfate	C	1,000 (454)
Chromous chloride	C	1,000 (454)
Cobaltous bromide	C	1,000 (454)
Cobaltous formate	C	1,000 (454)
Cobaltous sulfamate	C	1,000 (454)
Coumaphos	A	10 (4.54)
Cresol	B	100 (45.4)
Crotonaldehyde	B	100 (45.4)
Cupric acetate	B	100 (45.4)
Cupric acetoarsenite	X	1 (0.454)
Cupric chloride	A	10 (4.54)
Cupric nitrate	B	100 (45.4)

TABLE 117.3—REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES DESIGNATED PURSUANT TO SECTION 311 OF THE CLEAN WATER ACT—Continued

Material	Category	RQ in pounds (kilograms)
Cupric oxalate	B	100 (45.4)
Cupric sulfate	A	10 (4.54)
Cupric sulfate, ammoniated	B	100 (45.4)
Cupric tartrate	B	100 (45.4)
Cyanogen chloride	A	10 (4.54)
Cyclohexane	C	1,000 (454)
2,4-D Acid	B	100 (45.4)
2,4-D Esters	B	100 (45.4)
DDT	X	1 (0.454)
Diazinon	X	1 (0.454)
Dicamba	C	1,000 (454)
Dichlobenil	B	100 (45.4)
Dichlone	X	1 (0.454)
Dichlorobenzene	B	100 (45.4)
Dichloropropane	C	1,000 (454)
Dichloropropene	B	100 (45.4)
Dichloropropene-Dichloropropane (mixture)	B	100 (45.4)
2,2-Dichloropropionic acid	D	5,000 (2,270)
Dichlorvos	A	10 (4.54)
Dicofol	A	10 (4.54)
Dieldrin	X	1 (0.454)
Diethylamine	B	100 (45.4)
Dimethylamine	C	1,000 (454)
Dinitrobenzene (mixed)	B	100 (45.4)
Dinitrophenol	A	10 (45.4)
Dinitrotoluene	A	10 (4.54)
Diquat	C	1,000 (454)
Disulfoton	X	1 (0.454)
Diuron	B	100 (45.4)
Dodecylbenzenesulfonic acid	C	1,000 (454)
Endosulfan	X	1 (0.454)
Endrin	X	1 (0.454)
Epichlorohydrin	B	100 (45.4)
Ethion	A	10 (4.54)
Ethylbenzene	C	1,000 (454)
Ethylenediamine	D	5,000 (2,270)
Ethylenediamine-tetraacetic acid (EDTA)	D	5,000 (2,270)
Ethylene dibromide	X	1 (0.454)
Ethylene dichloride	B	100 (45.4)
Ferric ammonium citrate	C	1,000 (454)
Ferric ammonium oxalate	C	1,000 (454)
Ferric chloride	C	1,000 (454)
Ferric fluoride	B	100 (45.4)
Ferric nitrate	C	1,000 (454)
Ferric sulfate	C	1,000 (454)
Ferrous ammonium sulfate	C	1,000 (454)
Ferrous chloride	B	100 (45.4)
Ferrous sulfate	C	1,000 (454)
Formaldehyde	B	100 (45.4)
Formic acid	D	5,000 (2,270)
Fumaric acid	D	5,000 (2,270)
Furfural	D	5,000 (2,270)
Guthion	X	1 (0.454)
Heptachlor	X	1 (0.454)
Hexachlorocyclopentadiene	A	10 (4.54)
Hydrochloric acid	D	5,000 (2,270)
Hydrofluoric acid	B	100 (45.4)
Hydrogen cyanide	A	10 (4.54)
Hydrogen sulfide	B	100 (45.4)
Isoprene	B	100 (45.4)
Isopropanolamine dodecylbenzenesulfonate	C	1,000 (454)
Kepone	X	1 (0.454)
Lead acetate	A	10 (4.54)
Lead arsenate	X	1 (0.454)
Lead chloride	A	10 (4.54)
Lead fluoborate	A	10 (4.54)
Lead fluoride	A	10 (4.54)
Lead iodide	A	10 (4.54)
Lead nitrate	A	10 (4.54)
Lead stearate	A	10 (4.54)
Lead sulfate	A	10 (4.54)

TABLE 117.3—REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES DESIGNATED PURSUANT TO SECTION 311 OF THE CLEAN WATER ACT—Continued

Material	Category	RQ in pounds (kilograms)
Lead sulfide	A	10 (4.54)
Lead thiocyanate	A	10 (4.54)
Lindane	X	1 (0.454)
Lithium chromate	A	10 (4.54)
Malathion	B	100 (45.4)
Maleic acid	D	5,000 (2,270)
Maleic anhydride	D	5,000 (2,270)
Mercaptodimethur	A	10 (4.54)
Mercuric cyanide	X	1 (0.454)
Mercuric nitrate	A	10 (4.54)
Mercuric sulfate	A	10 (4.54)
Mercuric thiocyanate	A	10 (4.54)
Mercurous nitrate	A	10 (4.54)
Methoxychlor	X	1 (0.454)
Methyl mercaptan	B	100 (45.4)
Methyl methacrylate	C	1,000 (454)
Methyl parathion	B	100 (45.4)
Mevinphos	A	10 (4.54)
Mexacarbate	C	1,000 (454)
Monoethylamine	B	100 (45.4)
Monomethylamine	B	100 (45.4)
Naled	A	10 (4.54)
Naphthalene	B	100 (45.4)
Naphthenic acid	B	100 (45.4)
Nickel ammonium sulfate	B	100 (45.4)
Nickel chloride	B	100 (45.4)
Nickel hydroxide	A	10 (4.54)
Nickel nitrate	B	100 (45.4)
Nickel sulfate	B	100 (45.4)
Nitric acid	C	1,000 (454)
Nitrobenzene	C	1,000 (454)
Nitrogen dioxide	A	10 (4.54)
Nitrophenol (mixed)	B	100 (45.4)
Nitrotoluene	C	1,000 (454)
Paraformaldehyde	C	1,000 (454)
Parathion	A	10 (4.54)
Pentachlorophenol	A	10 (4.54)
Phenol	C	1,000 (454)
Phosgene	A	10 (4.54)
Phosphoric acid	D	5,000 (2,270)
Phosphorus	X	1 (0.454)
Phosphorus oxychloride	C	1,000 (454)
Phosphorus pentasulfide	B	100 (45.4)
Phosphorus trichloride	C	1,000 (454)
Polychlorinated biphenyls	X	1 (0.454)
Potassium arsenate	X	1 (0.454)
Potassium arsenite	X	1 (0.454)
Potassium bichromate	A	10 (4.54)
Potassium chromate	A	10 (4.54)
Potassium cyanide	A	10 (4.54)
Potassium hydroxide	C	1,000 (454)
Potassium permanganate	B	100 (45.4)
Propargite	A	10 (4.54)
Propionic acid	D	5,000 (2,270)
Propionic anhydride	D	5,000 (2,270)
Propylene oxide	B	100 (45.4)
Pyrethrins	X	1 (0.454)
Quinoline	D	5,000 (2,270)
Resorcinol	D	5,000 (2,270)
Selenium oxide	A	10 (4.54)
Silver nitrate	X	1 (0.454)
Sodium	A	10 (4.54)
Sodium arsenate	X	1 (0.454)
Sodium arsenite	X	1 (0.454)
Sodium bichromate	A	10 (4.54)
Sodium bifluoride	B	100 (45.4)
Sodium bisulfite	D	5,000 (2,270)
Sodium chromate	A	10 (4.54)
Sodium cyanide	A	10 (4.54)
Sodium dodecylbenzenesulfonate	C	1,000 (454)
Sodium fluoride	C	1,000 (454)

TABLE 117.3—REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES DESIGNATED PURSUANT TO SECTION 311 OF THE CLEAN WATER ACT—Continued

Material	Category	RQ in pounds (kilograms)
Sodium hydrosulfide	D	5,000 (2,270)
Sodium hydroxide	C	1,000 (454)
Sodium hypochlorite	B	100 (45.4)
Sodium methylate	C	1,000 (454)
Sodium nitrite	B	100 (45.4)
Sodium phosphate, dibasic	D	5,000 (2,270)
Sodium phosphate, tribasic	D	5,000 (2,270)
Sodium selenite	B	100 (45.4)
Strontium chromate	A	10 (4.54)
Strychnine	A	10 (4.54)
Styrene	C	1,000 (454)
Sulfuric acid	C	1,000 (454)
Sulfur monochloride	C	1,000 (454)
2,4,5-T acid	C	1,000 (454)
2,4,5-T amines	D	5,000 (2,270)
2,4,5-T esters	C	1,000 (454)
2,4,5-T salts	C	1,000 (454)
TDE	X	1 (0.454)
2,4,5-TP acid	B	100 (45.4)
2,4,5-TP acid esters	B	100 (45.4)
Tetraethyl lead	A	10 (4.54)
Tetraethyl pyrophosphate	A	10 (4.54)
Thallium sulfate	B	100 (45.4)
Toluene	C	1,000 (454)
Toxaphene	X	1 (0.454)
Trichlorfon	B	100 (45.4)
Trichloroethylene	B	100 (45.4)
Trichlorophenol	A	10 (4.54)
Triethanolamine dodecylbenzenesulfonate	C	1,000 (454)
Triethylamine	D	5,000 (2,270)
Trimethylamine	B	100 (45.4)
Uranyl acetate	B	100 (45.4)
Uranyl nitrate	B	100 (45.4)
Vanadium pentoxide	C	1,000 (454)
Vanadyl sulfate	C	1,000 (454)
Vinyl acetate	D	5,000 (2,270)
Vinylidene chloride	B	100 (45.4)
Xylene (mixed)	B	100 (45.4)
Xylenol	C	1,000 (454)
Zinc acetate	C	1,000 (454)
Zinc ammonium chloride	C	1,000 (454)
Zinc borate	C	1,000 (454)
Zinc bromide	C	1,000 (454)
Zinc carbonate	C	1,000 (454)
Zinc chloride	C	1,000 (454)
Zinc cyanide	A	10 (4.54)
Zinc fluoride	C	1,000 (454)
Zinc formate	C	1,000 (454)
Zinc hydrosulfite	C	1,000 (454)
Zinc nitrate	C	1,000 (454)
Zinc phenolsulfonate	D	5,000 (2,270)
Zinc phosphide	B	100 (45.4)
Zinc silicofluoride	D	5,000 (2,270)
Zinc sulfate	C	1,000 (454)
Zirconium nitrate	D	5,000 (2,270)
Zirconium potassium fluoride	C	1,000 (454)
Zirconium sulfate	D	5,000 (2,270)
Zirconium tetrachloride	D	5,000 (2,270)

[50 FR 13513, Apr. 4, 1985, as amended at 51 FR 34547, Sept. 29, 1986; 54 FR 33482, Aug. 14, 1989; 58 FR 35327, June 30, 1993; 60 FR 30937, June 12, 1995]

SECTION 8

INSPECTIONS

INSPECTIONS

1. Each contractor will designate a qualified person or persons to perform the following inspections:

   a. Disturbed areas and areas used for storage of materials that are exposed to precipitation will be inspected for evidence of, or the potential for, pollutants entering the drainage system.

   b. Erosion and sediment control measures identified in the plan will be observed to ensure that they are operating correctly.

   c. Where discharge locations or points are accessible, they will be inspected to ascertain where erosion control measures are effective in preventing significant impacts to receiving waters.

   d. Locations where vehicles enter or exit the disturbed areas of site will be inspected for evidence of offsite sediment tracking.

2. The inspection will be conducted by the responsible person at least once every seven (7)-calendar days. Inspections shall take place on Monday or Tuesday of the workweek, allowing sufficient time during the same workweek for necessary maintenance an/or repair of site controls.

3. After a portion of the site is finally stabilized, inspection will be conducted at least once every month.

4. Based on the results of the inspection, the site Erosion and Sediment Control Drawing (SWPPP drawing) will be revised as appropriate, but in no case later than 7 calendar days following the inspection.

5. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the SWPPP, and actions taken in accordance with this section will be made and retained as part of the SWPPP for at least three years from the date that the site is finally stabilized. The report will be signed in accordance with 30 TAC 305.128.

Example copies of the form to be used for the Inspection and Maintenance report are included in this section of the SWPPP.

Exhibit A

OPERATOR INSPECTION FORM
(Alternate)

Project Name: _____ Date: _____

Inspector: _____ Weekly Storm Event: _____ Inches: ____

STRUCTURAL BEST MANAGEMENT PRACTICE (BMP)

Used?		Condition (G,F,P)	Actions Required
☐	Interceptor Swale		
☐	Diversion Dike		
☐	Pipe Slope Drain		
☐	Vegetation		
☐	Mulching		
☐	Erosion Control Mats		
☐	Other Controls		
☐	Silt Fence		
☐	Straw Bale Dike		
☐	Tri-Sediment Filter		
☐	Inlet Protection		
☐	Sediment Trap		
☐	Sediment Basin		
☐	Check Dams		
☐	Temp. Sed. Tank		
☐	Stab. Const. Entry		
☐	Sandbag Berms		
☐	_____		
☐	_____		

Are BMPs in place and maintained in accordance with SWPPP for site? Yes ☐ No ☐
If not, why?

Are there obvious signs of sediment loss or pollution from site? Yes ☐ No ☐
If yes: ☐ SWPPP modifications required and/or
☐ Controls are improperly installed or poorly maintained.

Are good housekeeping practices observed? Yes ☐ No ☐
If not, measures to implement? _____

_____

I certify that this is an accurate assessment of the pollution prevention controls in place on the site.

Inspector: _____ **Date:** _____

Exhibit B

OPERATOR INSPECTION FORM
(Alternate)

To be completed every 14 days and within 24 hours of a rainfall event of 0.5 inches or more.

Project Name: _____ Date: _____

Inspector: _____

Inspector's Qualifications:

_____

_____

_____

_____

Days since last rainfall: _____ Amount of last rainfall: _____ inches

STABILIZATION MEASURES

	Area Being Reported	Date Since Last Disturbed	Date of Next Disturbance	Is Area Stabilized? (Yes/No)	Area is Stabilized With	Condition of Area
1.						
2.						
3.						
4.						
5.						
6.						
7.						

Stabilization Required:

_____

_____

_____

_____

To be performed by: _____ on or before: _____

STRUCTURAL CONTROLS: EARTH DIKE

From	To	Is Dike Stabilized?	Is there evidence of washout/over-topping?

Maintenance Required for Earth Dike:

_____

_____

_____

_____

To be performed by: _____ on or before: _____

STRUCTURAL CONTROLS: SEDIMENT BASIN

Depth of Sediment in Basin	Condition of Basin Slide Slopes	Evidence of Overtopping of the Embankment	Condition of Outfall from Sediment Basin

Maintenance Required for Sediment Basin:

To be performed by: _____ on or before: _____

STRUCTURAL CONTROLS: STABILIZED CONSTRUCTION ENTRANCE

Does much sediment get tracked on road?	Is gravel clean or filled with sediment?	Does all traffic use stabilized entrance to leave site?	Is culvert beneath the entrance working?

Maintenance Required for Stabilized Construction Entrance:

To be performed by: _____ on or before: _____

CHANGES TO THE POLLUTION PREVENTION PLAN

Changes Required:

Reason for Changes:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Inspector: _____ **Date:** _____

Exhibit C

GRADING AND STABILIZATION RECORD

Area[1]	Date Major Grading/ Excavation Began in Area	Date Grading/ Excavation Temporarily Ceased[2]	Date Grading/ Excavation Permanently Ceased	Date Stabilization Activities Initiated	Comments	Signature[3]	Date

[1] Area defined in Comments column.

[2] "Temporarily Ceased" means inactive for less than 21 consecutive days.

[3] Signature of Permitee

Exhibit D

CONSTRUCTION ACTIVITIES RECORD

Area[1]	Date Major Construction Began in Area	Date Construction Temporarily Ceased[2]	Date Construction Permanently Ceased	Comments	Signature	Date

[1] Area defined in Comments column.

[2] "Temporarily Ceased" means inactive for less than 21 consecutive days.

[3] Signature of Permitee

SECTION 9

NON STORM WATER DISCHARGE

NON-STORM WATER DISCHARGE

Inventory for SWPPP

The materials or substances listed below are expected to be present onsite during construction:

Concrete	Fertilizers	Tar
Detergents	Petroleum Based Products	Roof Shingles
Paints (enamel and latex)	Cleaning solvents	Wood
Metal Studs	Masonry Block	Steel Products
Fuels	Electrical Equipment & Materials	
Lubricants	Asphalt & Asphalt Related Products	

AUTHORIZED NON STORMWATER DISCHARGES ANTICIPATED DURING THE PROJECT

It is expected that the following non-storm water discharges will occur from the site during the construction period:

- Water from water line flushings.
- Pavement wash waters (where no spills or leaks of toxic or hazardous materials have occurred).
- Uncontaminated groundwater (from dewatering excavation).
- Water used for dust control.
- Building and vehicle wash where detergent is not in use.

All non-storm water discharges will be directed to the sediment basin prior to discharge.

SECTION 10

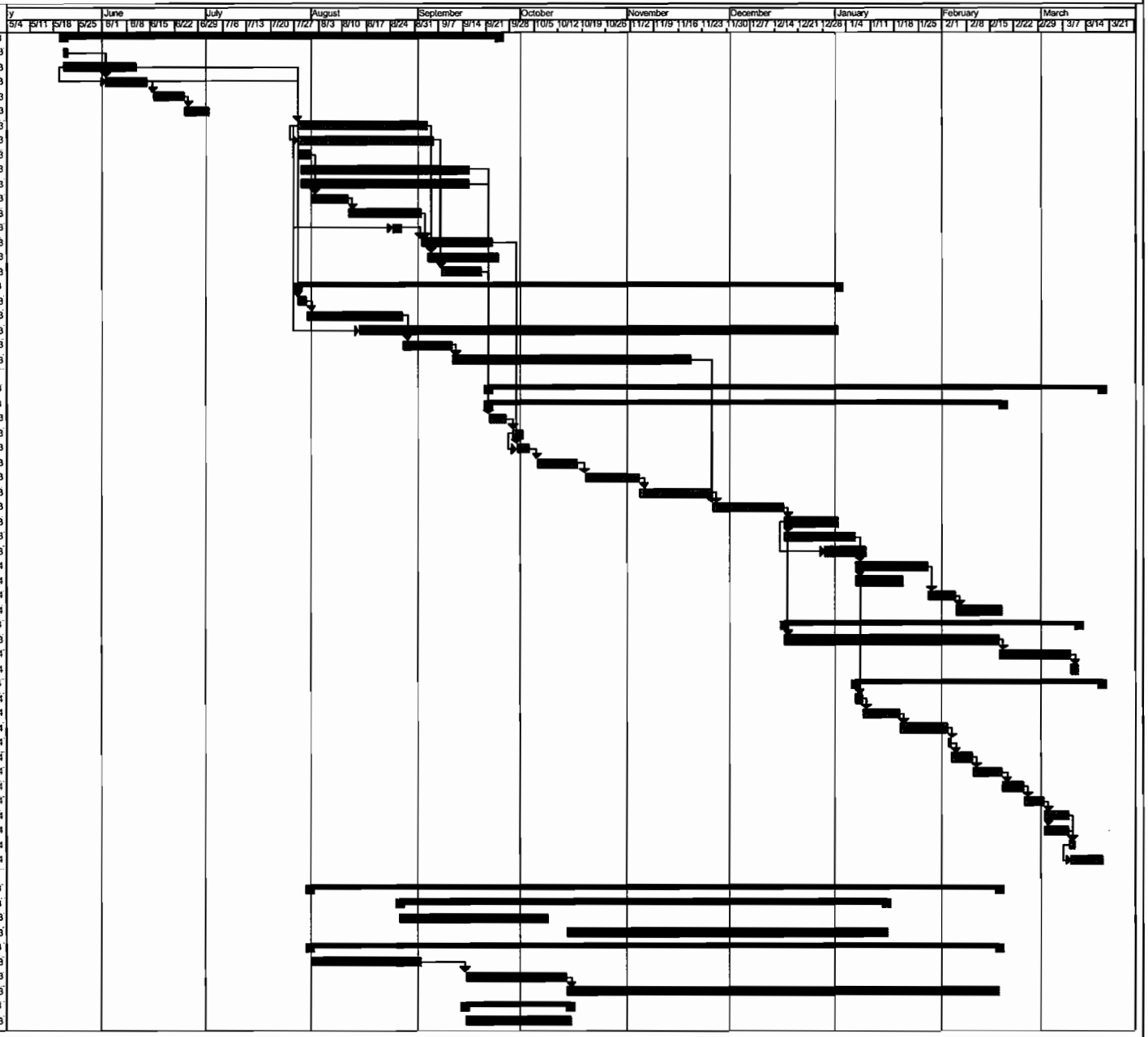
EROSION CONTROL PLAN & DETAILS

The Staubach Company

Frito Lay Corporate Hangar

Corgan and Associates

ID	Task Name	Duration	Start
1	**Preconstruction**	**91 days**	**Wed 5/21/03**
2	Contract Award	1 day	Wed 5/21/03
3	Schematic Drawings	15 days	Wed 5/21/03
4	Complete IGMP Bidding	10 days	Mon 6/2/03
9	Document Rev/Value Mgt	7 days	Mon 6/16/03
6	Budget Update	5 days	Wed 6/25/03
5	Complete CD's	28 days	Mon 7/28/03
10	CMI/Grading Plan completion	30 days	Mon 7/28/03
15	Revised plans for MEP Pricing	4 days	Mon 7/28/03
13	Ground Lease Approval	35 days	Tue 7/29/03
14	FAA 7460 Approval	35 days	Tue 7/29/03
16	Bid/Award MEP	7 days	Fri 8/1/03
17	MEP Design Drawings	15 days	Tue 8/12/03
12	Permit Set Ready to Submit	0 days	Mon 8/25/03
7	Permitting	3 wks	Tue 9/2/03
8	Finalize GMP	3 wks	Thu 9/4/03
11	Grading Permit	10 days	Mon 9/8/03
18	**Pre-Purchase**	**114 days**	**Mon 7/28/03**
19	Release Pre-Eng Building	3 days	Mon 7/28/03
20	Building Engineering	4 wks	Thu 7/31/03
24	Long Lead Items	20 wks	Fri 8/15/03
21	Building Engineering App	10 days	Thu 8/28/03
22	Building Fabrication	10 wks	Thu 9/11/03
23			
25	**Construction**	**129 days**	**Mon 9/22/03**
26	**Building Shell**	**108 days**	**Mon 9/22/03**
27	Mobilize	5 days	Mon 9/22/03
28	Layout	3 days	Mon 9/29/03
29	Site clearing	4 days	Tue 9/30/03
30	Build pad/select fill	10 days	Mon 10/6/03
31	Drill piers	12 days	Mon 10/20/03
32	Foundations	15 days	Wed 11/5/03
35	Building erection	3 wks	Wed 11/26/03
33	Under ground MEP rough	12 days	Wed 12/17/03
36	Bldg roofing/sheathing/trim	3 wks	Wed 12/17/03
34	Slab on Grade	10 days	Mon 12/29/03
37	Overhead MEP rough	15 days	Wed 1/7/04
38	Build/erect doors	10 days	Wed 1/7/04
39	Paint structure	6 days	Wed 1/28/04
40	MEP finish & trim	10 days	Thu 2/5/04
54	**Sitework**	**62 days**	**Wed 12/17/03**
55	Site paving/taxiway	45 days	Wed 12/17/03
56	Landscaping	15 days	Wed 2/18/04
57	Striping	2 days	Wed 3/10/04
41	**Interior Construction**	**52 days**	**Wed 1/7/04**
42	Layout	2 days	Wed 1/7/04
43	Frame/oneside walls	7 days	Fri 1/9/04
44	MEP wall rough	10 days	Tue 1/20/04
45	Wall inspections	1 day	Tue 2/3/04
46	2nd side walls	4 days	Wed 2/4/04
47	Tape/bed/prime walls	7 days	Tue 2/10/04
48	Ceiling grid	4 days	Thu 2/19/04
49	Millwork	4 days	Wed 2/25/04
50	Flooring	5 days	Tue 3/2/04
51	Plumbing fixtures/trim	5 days	Tue 3/2/04
52	Final Clean	2 days	Tue 3/9/04
53	Punchlist	7 days	Wed 3/10/04
58			
59	**Offsite Construction**	**143 days**	**Fri 8/1/03**
60	**Apron**	**102 days**	**Wed 8/27/03**
61	Apron Bid/Award	31 days	Wed 8/27/03
62	Apron Construction	67 days	Wed 10/15/03
63	**Airport Road**	**143 days**	**Fri 8/1/03**
64	Design	22 days	Fri 8/1/03
65	Bid/Award	22 days	Mon 9/15/03
66	Construction	90 days	Wed 10/15/03
67	**Sitework**	**23 days**	**Mon 9/15/03**
68	Electrical/Utility Relocation	23 days	Mon 9/15/03



9/2/03

FRITO LAY PROJECT

CONCORD PLAZA - TEMP. HOME FOR AIRPORT STAFF (SEPT. 12)

ELOGIC WILL DO ASBESTOS ABATEMENT (STARTING 9/15/03)

	$24,800	ASBESTOS ABATEMENT	BIDS REC'D.
$28,700	$15,900	DEMOLITION	
	$2800	FENCING	

PUBLIC RELATIONS WILL BE BIG ISSUE.

ADJACENT BUSINESSES IMPACTED { MUST BE NOTIFIED.

FRITO LAY TO SPEARHEAD ANY PUBLIC NOTIFICATION

REFER QUESTIONS TO LIZ OLIPHANT / LISA PYLES

Steve Chutchian

From: Jim Pierce
Sent: Monday, July 21, 2003 11:14 AM
To: Bill Dyer (E-mail)
Cc: Steve Chutchian; Luke Jalbert
Subject: FW: Addison Airport

Had a good meeting with Lynn. Attached is the corrected survey and description.

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

-----Original Message-----
From: Lynn Kadleck [mailto:lkadleck@swbell.net]
Sent: Monday, July 21, 2003 11:14 AM
To: Jim Pierce
Subject: Addison Airport

Jim,

Attached is the drawing file requested. I have also placed four hard copies in the mail.

NOTE: By use of the information on this drawing, the user agrees that any adaptations, interpretations or reproductions of the information is at their own risk. This information has not been prepared for the purpose of determining exact locations of features or dimensions to a greater degree of accuracy than can be obtained from the scaled plotted drawing. The information on this drawing may be incomplete or may have been revised on the plotted drawing. The user agrees to indemnify Kadleck & Associates from any claim, or loss resulting from their use of this drawing file.

BY OPENING THE DRAWING FILE, YOU ARE IN AGREEMENT WITH THE ABOVE STATEMENT.

Please call with any questions.

Thank You,

Lynn Kadleck

Airport 8+ acre tract 7-14-03

Explain Error

Surveyor correct Error

DalTech contributed their time to check their work. Closed within 0.001'.

Bearing correct on drawing but incorrect on field notes. Tried to close on field notes with incorrect bearing 10' bust. Dist correct in field notes, incorrect in the Tabulation (upper left)

Basically, he did not check his work

On sketch - orange is boundary with mistake

May want to expand property to eliminate the 8.7' gap

7-18-03 - Met with DalTech & Lynn Kaddeck. Requested corrections be made and 4 hard copies & electronic copy be sent. LK stated corrections had already been made and will comply with request JSP

G E O P A
K
Project: 216
Subject: [NONE]
Job No. 216 Operator: DT
Date: Monday June 30, 2003 9:22 am
SYSTEM FIX 4 ASEC 2 BEAR PRI 0 RED NE STA 2 FILE: 'LEGAL'

Parcel KADLECK : 5203 5204 5205 5206 5207 5208 5209 5210 5211 5212 5213 5214 5215 CUR C5216-5218 5219 5220 5221 5203

Total parent tract area	=	366,538.1657 ft² =	8.4146 a
Total taken area	=	0.0000 ft² =	0.0000 a
Total easement area	=	0.0000 ft² =	0.0000 a
Remaining area	=	366,538.1657 ft² =	8.4146 a

Description of parcel: KADLECK

Beginning parent tract description
==========

Point 5203 N 7,039,187.6588 E 2,480,616.7910 Sta 0+00.00

Course from 5203 to 5204 S 89^ 42' 56.00" W Dist 41.9400

Point 5204 N 7,039,187.4506 E 2,480,574.8515 Sta 0+41.94

Course from 5204 to 5205 S 68^ 15' 31.00" W Dist 15.6500

Point 5205 N 7,039,181.6536 E 2,480,560.3147 Sta 0+57.59

Course from 5205 to 5206 S 7^ 08' 29.00" E Dist 15.8100

Point 5206 N 7,039,165.9662 E 2,480,562.2802 Sta 0+73.40

Course from 5206 to 5207 S 86^ 05' 30.00" W Dist 50.6900

Point 5207 N 7,039,162.5112 E 2,480,511.7081 Sta 1+24.09

Course from 5207 to 5208 N 48^ 27' 07.00" W Dist 8.7900

Point 5208 N 7,039,168.3411 E 2,480,505.1297 Sta 1+32.88

Course from 5208 to 5209 S 66^ 21' 49.00" W Dist 120.3900

Point 5209 N 7,039,120.0731 E 2,480,394.8394 Sta 2+53.27

Course from 5209 to 5210 S 7^ 17' 13.00" E Dist 177.6700

Point 5210 N 7,038,943.8380 E 2,480,417.3748 Sta 4 +30.94

Course from 5210 to 5211 S 68^ 56' 31.00" W Dist 298.6800

Point 5211 N 7,038,836.5182 E 2,480,138.6416 Sta 7 +29.62

Course from 5211 to 5212 S 68^ 41' 42.00" W Dist 148.1400

Point 5212 N 7,038,782.6941 E 2,480,000.6256 Sta 8 +77.76

Course from 5212 to 5213 N 21^ 07' 21.00" W Dist 530.8300

Point 5213 N 7,039,277.8588 E 2,479,809.3340 Sta 14 +08.59

Course from 5213 to 5214 N 68^ 46' 05.00" E Dist 657.1300

Point 5214 N 7,039,515.8347 E 2,480,421.8593 Sta 20 +65.72

Course from 5214 to 5215 N 21^ 16' 59.00" W Dist 20.8400

Point 5215 N 7,039,535.2533 E 2,480,414.2949 Sta 20 +86.56

Course from 5215 to PC C5216-5218 N 67^ 52' 48.00" E Dist 44.6300

Curve Data

Curve C5216-5218
P.I. Station 21+96.21 N 7,039,576.5419 E 2,480,515.8746
Delta = 59^ 40' 45.00" (RT)
Degree = 50^ 32' 51.60"
Tangent = 65.0202
Length = 118.0651
Radius = 113.3500
External = 17.3246
Long Chord = 112.7999
Mid. Ord. = 15.0277
P.C. Station 21+31.19 N 7,039,552.0587 E 2,480,455.6400
P.T. Station 22+49.26 N 7,039,536.9068 E 2,480,567.4177
C.C. N 7,039,447.0515 E 2,480,498.3217
Back = N 67^ 52' 48.00" E
Ahead = S 52^ 26' 27.00" E
Chord Bear = S 82^ 16' 49.50" E

Course from PT C5216-5218 to 5219 N 64^ 26' 01.00" E Dist 54.2900

Point 5219 N 7,039,560.3360 E 2,480,616.3919 Sta 23

+03.55

Course from 5219 to 5220 S 0^ 29' 01.00" W Dist 213.4100

Point 5220 N 7,039,346.9336 E 2,480,614.5906 Sta 25 +16.96

Course from 5220 to 5221 S 0^ 47' 31.00" E Dist 159.2900

Point 5221 N 7,039,187.6589 E 2,480,616.7922 Sta 26 +76.25

Course from 5221 to 5203 S 88^ 33' 54.15" W Dist 0.0013

Point 5203 N 7,039,187.6588 E 2,480,616.7910 Sta 26 +76.25

==========

Ending parent tract description

G E O P A K

Project: 216
Subject: [NONE]
Job No. 216 Operator: DT
Date: Thursday June 26, 2003 8:27 am
SYSTEM FIX 4 ASEC 2 BEAR PRI 0 RED NE STA 6 FILE: 'LEGAL'

Parcel KADLECK : 5203 5204 5205 5206 5207 5208 5209 5210 5211 5212 5213 5214 5215 CUR C5216-5218 5219 5220 5221 5203

Total parent tract area =	370,494.9593 ft² =	8.5054 a
Total taken area =	0.0000 ft² =	0.0000 a
Total easement area =	0.0000 ft² =	0.0000 a
Remaining area =	370,494.9593 ft² =	8.5054 a

Description of parcel: KADLECK

Beginning parent tract description

==========

Point 5203 N 7,039,116.1763 E 2,480,591.6501 Sta 0+00.000000

Course from 5203 to 5204 S 89^ 42' 56.00" W Dist 41.9400

Point 5204 N 7,039,115.9681 E 2,480,549.7106 Sta 0+41.940000

Course from 5204 to 5205 S 68^ 15' 31.00" W Dist 15.6500

Point 5205 N 7,039,110.1711 E 2,480,535.1738 Sta 0+57.590000

Course from 5205 to 5206 S 7^ 08' 29.00" E Dist 15.8100

Point 5206 N 7,039,094.4837 E 2,480,537.1393 Sta 0+73.400000

Course from 5206 to 5207 S 86^ 05' 30.00" W Dist 50.6900

Point 5207 N 7,039,091.0287 E 2,480,486.5672 Sta 1+24.090000

Course from 5207 to 5208 N 48^ 27' 07.00" W Dist 8.7900

Point 5208 N 7,039,096.8586 E 2,480,479.9888 Sta 1+32.880000

Course from 5208 to 5209 S 66^ 21' 49.00" W Dist 120.3900

Point 5209 N 7,039,048.5906 E 2,480,369.6985 Sta 2+53.270000

Course from 5209 to 5210 S 7^ 17' 13.00" E Dist 177.6700

Point 5210 N 7,038,872.3555 E 2,480,392.2339 Sta 4+30.940000

Course from 5210 to 5211 S 68^ 56' 31.00" W Dist 298.6800

Point 5211 N 7,038,765.0357 E 2,480,113.5007 Sta 7+29.620000

Course from 5211 to 5212 S 68^ 41' 42.00" W Dist 148.1400

Point 5212 N 7,038,711.2116 E 2,479,975.4847 Sta 8+77.760000

Course from 5212 to 5213 N 21^ 07' 21.00" W Dist 530.8300

Point 5213 N 7,039,206.3763 E 2,479,784.1931 Sta 14+08.590000

Course from 5213 to 5214 N 67^ 52' 48.00" E Dist 657.1300

Point 5214 N 7,039,453.8170 E 2,480,392.9565 Sta 20+65.720000

Course from 5214 to 5215 N 21^ 16' 59.00" W Dist 20.8400

Point 5215 N 7,039,473.2357 E 2,480,385.3921 Sta 20+86.560000

Course from 5215 to PC C5216-5218 N 67^ 52' 48.00" E Dist 44.6300

Curve Data

Curve C5216-5218
P.I. Station 21+96.210192 N 7,039,514.5242 E 2,480,486.9717
Delta = 59^ 40' 45.00" (RT)
Degree = 50^ 32' 51.60"
Tangent = 65.0202
Length = 118.0651
Radius = 113.3500
External = 17.3246
Long Chord = 112.7999
Mid. Ord. = 15.0277
P.C. Station 21+31.190000 N 7,039,490.0410 E 2,480,426.7372
P.T. Station 22+49.255128 N 7,039,474.8892 E 2,480,538.5148
C.C. N 7,039,385.0339 E 2,480,469.4189
Back = N 67^ 52' 48.00" E
Ahead = S 52^ 26' 27.00" E
Chord Bear = S 82^ 16' 49.50" E

Course from PT C5216-5218 to 5219 N 64^ 26' 01.00" E Dist 54.2900

Point 5219 N 7,039,498.3184 E 2,480,587.4891 Sta 23+03.545128

Course from 5219 to 5220 S 0^ 29' 01.00" W Dist 213.4100

Point 5220 N 7,039,284.9160 E 2,480,585.6878 Sta 25+16.955128

Course from 5220 to 5221 S 0^ 47' 31.00" E Dist 159.2900

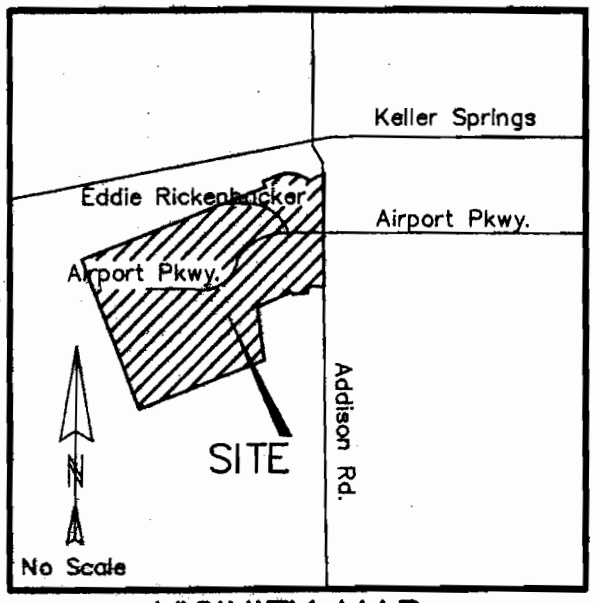
Point 5221 N 7,039,125.6412 E 2,480,587.8894 Sta 26+76.245128

Course from 5221 to 5203 S 21^ 40' 09.20" E Dist 10.1846

Point 5203 N 7,039,116.1763 E 2,480,591.6501 Sta 26+86.429766

==========

Ending parent tract description



VICINITY MAP

NUM	DISTANCE	BEARING
L1	41.94'	N89°42'56"E
L2	15.65'	S68°15'31"W
L3	15.81'	S7°08'29"E
L4	50.69'	N86°05'30"E
L5	8.79'	S48°27'07"E
L6	20.84'	S21°16'59"E
L7	43.44'	S67°52'48"W
L8	54.29'	S64°26'01"W

NUM	DELTA	ARC
C1	59°40'45"	118.07'
C2	25°50'01"	309.44'

One Story Metal
LEASE TRACT 15
(120.6')

UP

GMH

N68°46'05"E

(438.0')

FH

UP

UP

Concrete Pavement

12"RCP

14"RCP

Approximate Location
BUILDING RESTRICTION LINE
per Airport Layout Plan

Approximate Location Centerline
10' ENSERCH CORP. EASEMENT
Vol. 83007, Pg. 3479
D.R.D.C.T.

366,

ADDISON ROAD

THENCE, S 68°56'31" W, passing at a distance of [illegible] continuing with the northwest line of said Lease Tract 9, in all a distance of 298.68 feet to a set PK nail fo an angle point, said point being the northwest corner of said Lease Tract 9;

THENCE, S 68°41'42" W, a distance of 148.14 feet to a set PK nail for a corner;

THENCE, N 21°07'21" W, a distance of 530.83 feet to a set ½ inch iron rod for a corner;

THENCE, N 67°52'48"E, passing at a distance of 12.56 feet a found "x" cut on concrete pavement at the southwest corner of Lease Tract 15, passing at a distance of 450.56 feet the common south corner of Lease Tract 15 and Lease Tract 16, continuing in all distance of 657.13 feet to a set PK nail for a corner, said poin being the southeast corner of said Lease Tract 16;

THENCE, N 21°16'59" W, with the northeast line of Lease Tract 16, a distance of 20.84 feet to a set "x" cu on concrete pavement for a corner;

THENCE, N 67°52'48" E, passing at a distance of 1.19 feet the southwest corner of Lease Tract 101 continuing in all a distance of 44.63 feet to a the beginning of a curve to the right with a central angle o 59°40'45", a radius of 113.35 feet, a chord bearing of S 82°16'54" E and a chord distance of 112.80 feet;

THENCE, the following courses and distances with the southeast line of said Lease Tract 101:

- Southeasterly, along said curve, an arc distance of 118.07 feet to a set ½ inch iron rod for a corner;
- N 64°26'01" E, a distance of 54.29 feet to a set ½ inch iron rod for a corner;

THENCE, S 00°29'01" W, a distance of 213.41 feet to a set ½ inch iron rod for an angle point;

THENCE, S 00°47'31" E, a distance of 159.29 feet to the Point of Beginning.

SURVEYOR'S CERTIFICATE

The undersigned hereby certifies to: ADDISON AIRPORT, INC., TOWN OF ADDISON

that this Survey (i) substantially complies with the current Texas Society Professional Surveyors Standard and Specifications for a Category 1A, Condition II Survey; (ii) was made on the ground under my supervisio as per the field notes shown hereon and correctly shows the boundary lines and dimensions and the area c the land indicated hereon; (iii) correctly shows the location of all buildings, structures and other visibl improvements on the subject property; (iv) correctly shows the location of all alleys, streets, roads, rights c way, easements and other matters of record of which the undersigned has been advised affecting th subject property according to the legal description in such easements and other matters (with instrumen book and page indicated), to the extent such matters can be located; (v) correctly shows the location of a streets and roads providing visible access to the subject property; (vi) except as shown on the Survey, ther are no visible easements and rights-of-way, there are no visible encroachments on adjoining premises streets or alleys by any of said buildings, structures or other visible improvements, and there are no visibl encroachments on the subject property by buildings, structures or other visible improvements situated o adjoining premises; and (vii) the subject property lies in Zone X (areas determined to be outside the 50 year flood)) according to the F.E.M.A. Flood Insurance Rate Map Community Panel No. 48113C0180 dated August 23, 2001.

Dated: June 1, 2003
GF No.:
Job No.: 2661

L. Lynn Kadleck
Registered Professional
Land Surveyor No. 3952
AN OFFICIAL DOCUMENT ONLY
WITH AN ORIGINAL SIGNATURE

STATE OF TEXAS
REGISTERED
L LYNN KADLECK
3952
PROFESSIONAL
LAND SURVEYOR

Steve Chutchian

From: Jim Pierce
Sent: Tuesday, July 15, 2003 1:58 PM
To: Jerry Holder (E-mail); Jenny Nicewander (E-mail)
Cc: Mike Murphy; Steve Chutchian
Subject: FW: Airport FL Project

Jerry: Please see below. Airport Parkway would normally be designed as a 30 mph roadway. However, we can reduce the speed "administratively" to below that for the curves. I would say look at 20 mph in the curves and see how it fits.

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

-----Original Message-----
From: Lisa Pyles [mailto:lisa.pyles@wgint.com]
Sent: Tuesday, July 15, 2003 1:47 PM
To: Jim Pierce
Subject: RE: Airport FL Project

Answers:

1. 2.1 acres only
2. Primarily passenger cars and truck. No fuel trucks. We sometimes get semi-there for deliveries but that is minimal.
3. Utilities: Correct

-----Original Message-----
From: Jim Pierce [mailto:jpierce@ci.addison.tx.us]
Sent: Tuesday, July 15, 2003 1:41 PM
To: Lisa Pyles (E-mail)
Cc: Mike Murphy; Steve Chutchian; Luke Jalbert
Subject: Airport FL Project

Lisa: We need to know how much of the site to topo. I would figure we need to topo the FL 2.1 acres plus where the relocated Airport Parkway will be only, as opposed to the entire 8 acre site. Please confirm.

We need to know the type of traffic that will be on the temporary access road to Omniflight. Is it only passenger vehicles, or will there be fuel trucks or other trucks? Please give us an idea.

I assume that FL will be responsible for bringing utilities such as electric and phone to their site. We will bring water, sanitary sewer and storm sewer to the site. Please confirm.

Thanks,

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

Action Item	July	August	September	October	November	December	January	February	March	April
Lease expiration										X Frito Lay
Relocate Airport Parkway	X Mike Murphy/Jim Pierce									
Demo admin building	X Mike Murphy/Jim Pierce									
FL Groundbreaking			X Frito Lay							
Relocate Utilities	X Mike Murphy/Jim Pierce									
Contact HNTB	X Mike Murphy									
Confirm FL end date on current lease	X Bill Dyer									
RFP for admin lease space	X Bill Dyer/Lisa Pyles									
Moving company	X Lisa/Mark									
Telephone/IT coordination	X Lisa/Mark									
Economic Development Program	X John Hill									
Confirn Platting of Airport Parkway	X Mark Acevedo									
FL/HNTB/TofA engineers meet	X Mike Murphy									
List of exhibits to John Hill	X Mike Murphy									
Ground lease neg.	X Bill Dyer/Larry Kimbler									
Review of current lease language	X Bill Dyer/Larry Kimbler									
Media communication	Liz/Lisa									
Top of mountain proclamation (after signing)		Liz								
Relocation of current tie-downs	X Bill Dyer									
Coordinate PR with FL	Liz									

Engineer's Opinion of Probable Cost
INSIDE LEASE LINE

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	AMOUNT BID
101	Mobilization 10%	L.S.	1	$ 47,000.00	$ 47,000.00
102	Site / Roadway Demolition	SY	5,680.0	$ 5.50	$ 31,240.00
103	Building Demolition	EA	1.0	$ 65,000.00	$ 65,000.00
104	Apron Pavement	SY	3,400.0	$ 60.00	$ 204,000.00
105	Parking Lot Pavement	SY	1,720.0	$ 35.00	$ 60,200.00
106	AOA Fence	LF	540.0	$ 15.00	$ 8,100.00
107	Security Gate	EA	1.0	$ 12,500.00	$ 12,500.00
108	Cladding	LS	1.0	$ 40,000.00	$ 40,000.00
109	Irrigation/Landscaping	SF	6,700.0	$ 2.50	$ 16,750.00
110	Storm Sewer	LS	1.0	$ 15,000.00	$ 15,000.00
111	Utility Relocation	LS	1.0	$ 10,000.00	$ 10,000.00
				SubTotal	***$ 509,790.00***
	Contingency 15%		1.0	$ 77,000.00	$ 77,000.00
	Total Bid Amount				***$ 586,790.00***

Engineer's Opinion of Probable Cost
OUTSIDE LEASE LINE

ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	AMOUNT BID
101	Mobilization, 10%	LS	1	$ 11,000.00	$ 11,000.00
102	Demolition	SY	1,582.0	$ 5.50	$ 8,701.00
103	Roadway Extention	SY	1,582.0	$ 35.00	$ 55,370.00
104	Storm Sewer	LS	1.0	$ 10,000.00	$ 10,000.00
105	Security Gate	EA	1.0	$ 12,500.00	$ 12,500.00
106	Detention Pond	LS	1.0	$ 8,000.00	$ 8,000.00
107	Utility Relocation	LS	1.0	$ 10,000.00	$ 10,000.00
				SubTotal	***$ 115,571.00***
	Contingency 15%		1.0	$ 18,000.00	$ 18,000.00
	Total Bid Amount				***$ 133,571.00***

Engineering Fees and Expenses	***$***	***73,000.00***

Total Project Cost	***$***	***793,361.00***

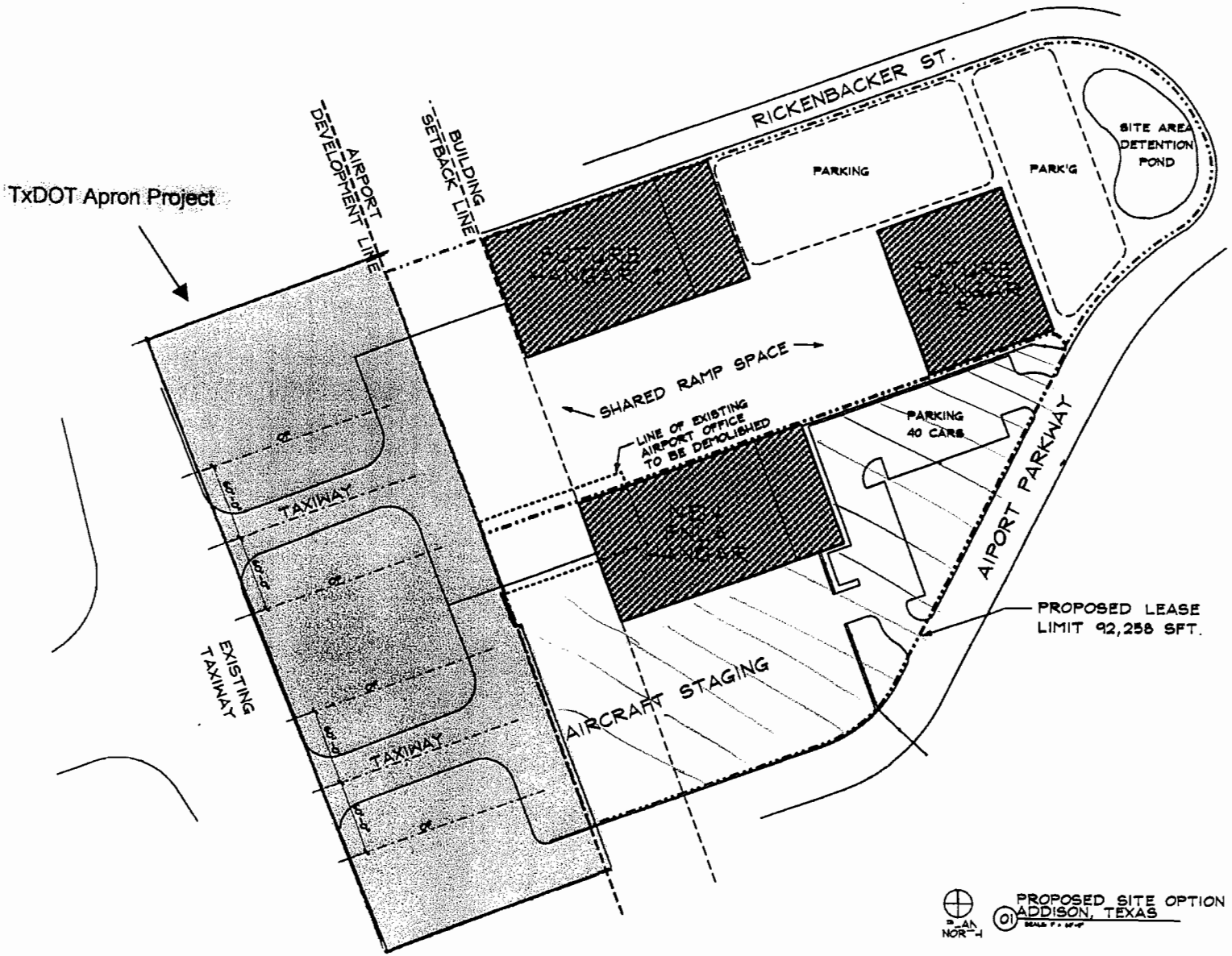
C:\Documents and Settings\schutchian.ADDISONGOV\Local Settings\Temporary Internet Files\OLK6\[pepsi cost est1.xls]Inside Lease Line

Steve Chutchian

From: Jim Pierce
Sent: Thursday, June 19, 2003 5:01 PM
To: Mike Murphy
Cc: Steve Chutchian; Luke Jalbert
Subject: Airport Frito Lay Project

Mike: We had a meeting yesterday with interested parties to discuss the next steps for this project. Very simply, we will be responsible for all facilities outside the lease area and Frito Lay will be responsible for everything inside the lease area. HNTB is preparing a proposal to do the engineering for the Town. This proposal will be more than 25K so the dilemma is how do we authorize them to go ahead now (which is essential to stay on schedule) without council approval. I think HNTB will proceed w/o council approval trusting they will be paid. You may want to discuss this with Ron and Chris.

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



CORGAN

ISSUES

REVISIONS

CORPORATE HANGAR

SITE PLAN

JOB B0303.00
DATE 03/12/03
SHEET
A1.0

KADLECK & ASSOCIATES
Engineering Planning Surveying
5336 Alpha Rd. Suite 5
DALLAS, TEXAS 75240

(972) 702-0771
FAX (972) 702-9832

LETTER OF TRANSMITTAL

DATE	JOB NO.
7/21/03	7661

ATTENTION: Jim Pierce

RE: 8.4146 Acre Tract
Addison Airport

TO: Public Works Dept.
P.O. Box 9010
Addison, Tx 75001-9010

WE ARE SENDING YOU ☑ Attached ☐ Under separate cover via _____ the following items:

☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO.	DESCRIPTION
4			Survey

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit _____ copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____ copies for distribution
☐ As requested ☐ Returned for corrections ☐ Return _____ corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS Corrected as discussed

I also e-mail you a drawing file.

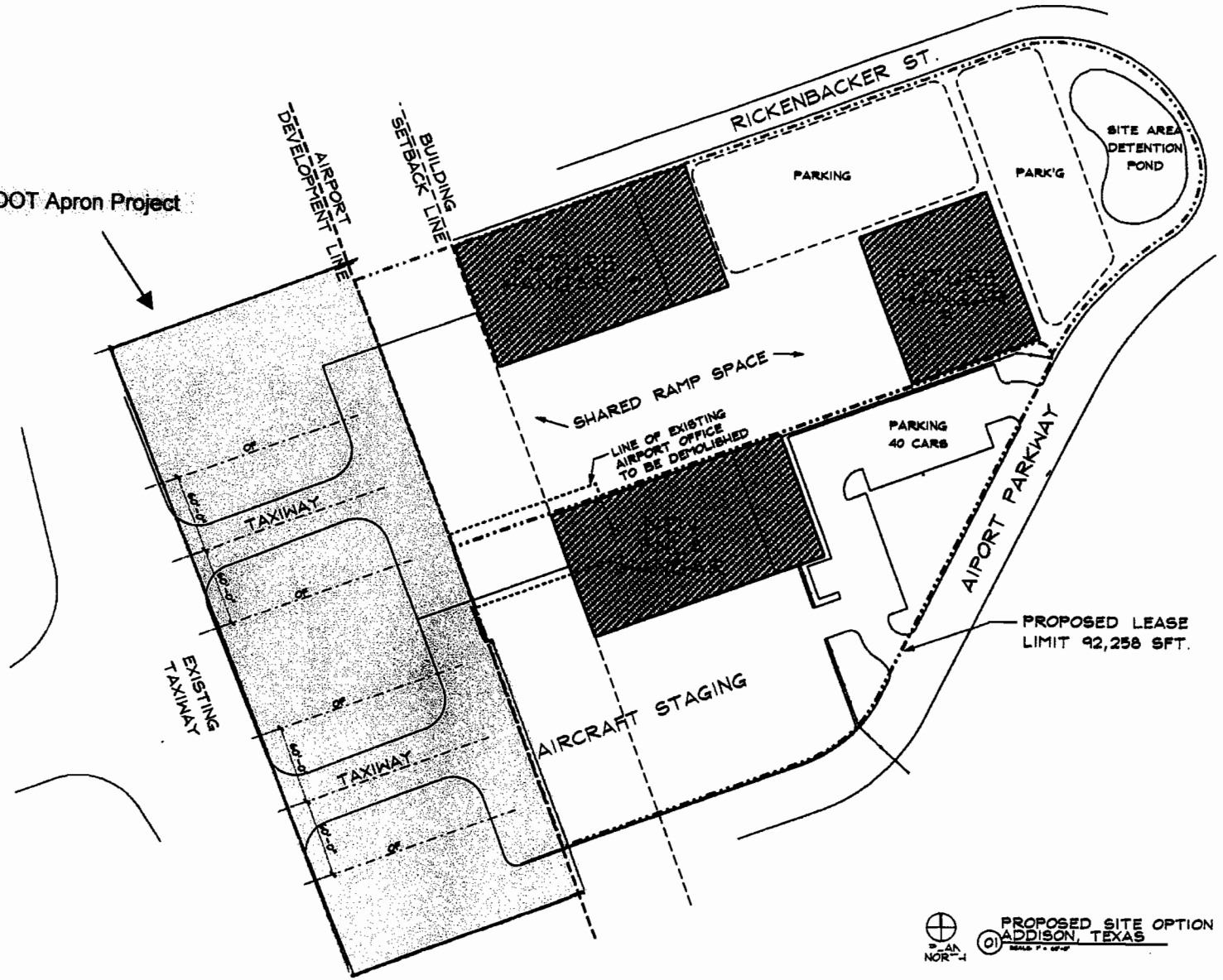
Steve – I kept a copy for my file. Jim

Thanks,

COPY TO Bill Dyer w/ four copies

SIGNED: Lynn Kadleck

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



PROPOSED SITE OPTION 2
01 ADDISON, TEXAS

CORGAN

ISSUES

REVISIONS

FLMA
FALA CORPORATE HANGAR

SITE PLAN

JOB 30303.00
DATE 03/12/03
SHEET
A1.0

CORGAN

AMRO ALANSARI

CORGAN ASSOCIATES, INC.
501 ELM STREET
DALLAS, TEXAS 75202
TEL 214 748 2000
FAX 214 761 0719
aalansari@corgan.com

Pacheco Koch Consulting Engineers

Christopher M. Jones, P.E.
Associate

8350 North Central Expressway Suite 1000 Dallas, Texas 75206
972.235.3031 Fax 972.235.9544 cjones@pkce.com

STAUBACH

David E. Stack, P.E.
Project Manager
Design & Construction Consulting Services

15601 Dallas Parkway, Suite 400
Addison, Texas 75001
(972) 361-5000 Direct (972) 361-5309
Fax (972) 361-5916
david.stack@staubach.com

acres

2.5' overlap
2.5' overlap

8.7'

9

14

15

16

10

13B

11

ADMINISTRATION

1.1' Gap

1.8' overlap
0.2 Gap

2.7' Gap

1.0' Gap

2.0' overlap
12.3' overlap

8.7' overlap
8.7' overlap

10.3' overlap
0.0'

10.4' overlap
0.4' overlap

cc to Bill Dyer
7-14-03

FRITO LAY NOTES 10/23/03
SZC.

a. WHY ARE WE PROPOSING A 60' WIDE INGRESS/EGRESS EASEMENT WEST OF ADDISON RD, IN LIEU OF DEDICATED RIGHT-OF-WAY? WHAT IS THE CURRENT DESIGNATION OF THIS ROAD?

b. THE LEGAL DESCRIPTION FOR THE FRITO LAY SITE IS ONLY A BOUNDARY SURVEY & IS NOT A PLAT.

c. THE LEGAL DESCRIPTION CONTINUES AIRPORT PKWY AS AN INGRESS/EGRESS EASEMENT TO THE WEST END OF THE ROAD. ARE WE INTENDING TO KEEP IT DESIGNATED THAT WAY?

d. 82 FT.^{2} OVERLAP, THAT WILL BE REVERTED TO ADDISON AIRPORT SHOULD HAVE IT'S OWN METES & BOUNDS DESCRIPTION & DEDICATION IN SOME WRITTEN DOCUMENT.

e. SEVERAL EXISTING UTILITY LINES, INCLUDING OVERHEAD LINES, SHOULD BE PLACED IN EASEMENTS, (when locations are finalized)

b. We should plat ~~[redacted]~~ Airport Parkway and show the Frito Lay ground lease in its entirety as a ground lease on our property (all the way from Addison Rd)

d. This can be handled in (b.)

(Letter to John Hill)

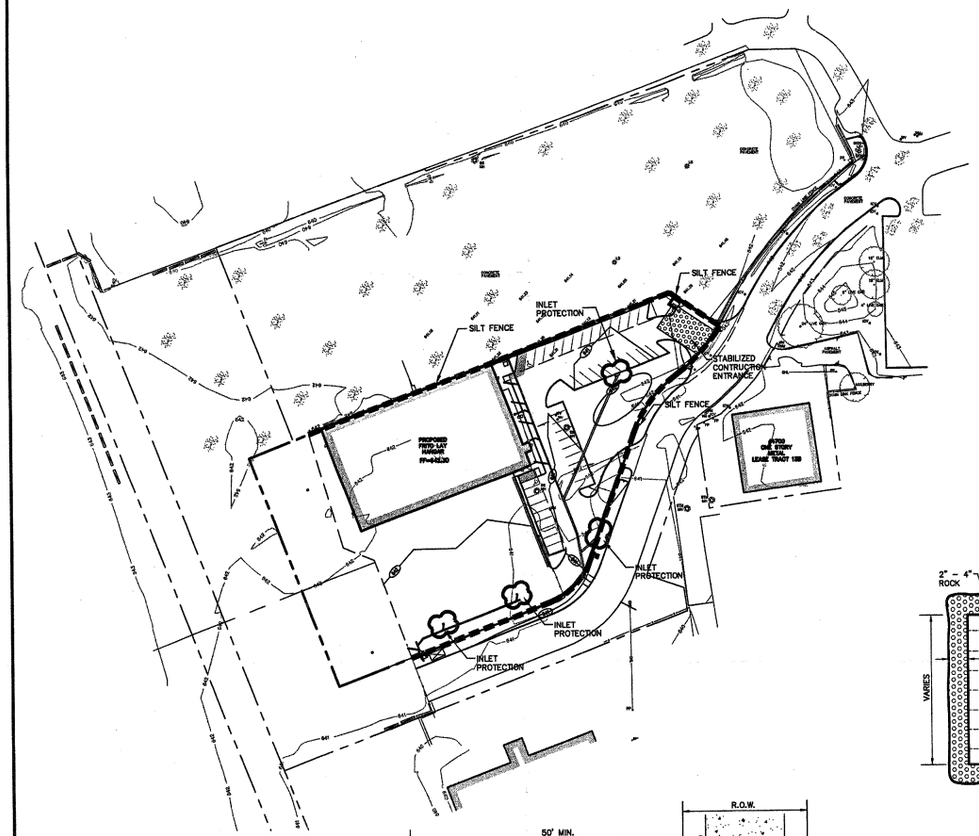
KADLECK & ASSOCIATES

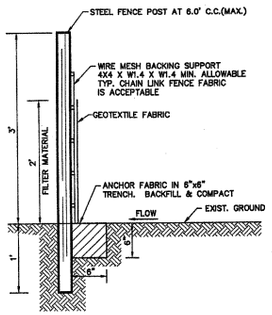
ENGINEERING
PLANNING
SURVEYING

L. LYNN KADLECK
P.E., R.P.L.S.

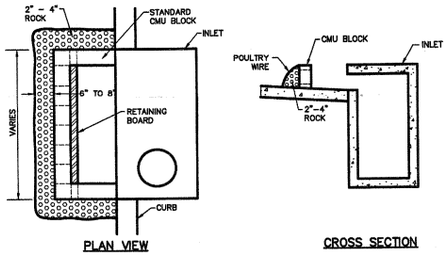
972-702-0771
FAX 972-702-9832

5336 ALPHA RD., SUITE 5
DALLAS, TX 75240





4 SILT FENCE
NOT TO SCALE



CURB INLET PROTECTION TYPE "B"
3
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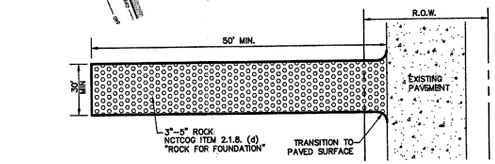
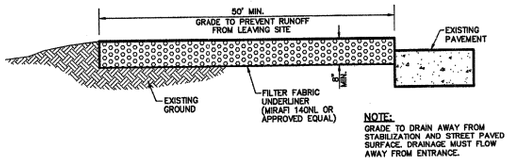


PLAN VIEW



PROFILE

STABILIZED CONSTRUCTION ENTRANCE
1
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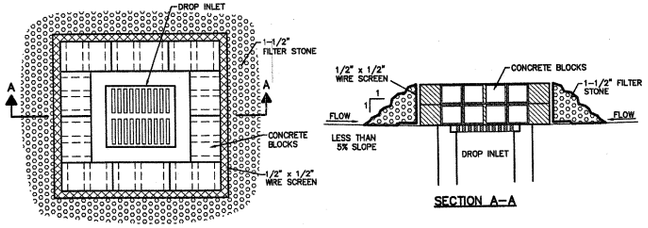
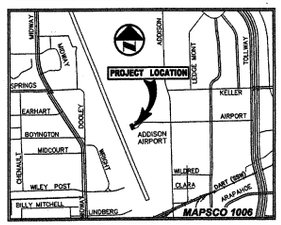


PLAN VIEW
SECTION A-A

DROP INLET PROTECTION
2
NOT TO SCALE



VICINITY MAP

LEGEND

B	BOLLARD
EM	ELECTRIC METER
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
WV	WATER VALVE
ICV	IRRIGATION CONTROL VALVE
FH	FIRE HYDRANT
CO	CLEANOUT
MH	MANHOLE
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POLE
TELE	TELEPHONE BOX
JXL	FLOOD LIGHT
FP	FLAG POLE
SIGN	TRAFFIC SIGN
IRS	1/2-INCH IRON ROD W/"PACHECO KOCH" CAP SET
(C.M.)	CONTROLLING MONUMENT
	PROPERTY LINE
x	FENCE
OHL	OVERHEAD UTILITY LINE
6"W	UNDERGROUND WATER LINE
E	UNDERGROUND ELECTRIC LINE
T	UNDERGROUND TELEPHONE LINE
C	UNDERGROUND CABLE LINE
6"SS	UNDERGROUND SANITARY SEWER LINE
613	EXIST CONTOUR
612.39	EXIST SPOT ELEVATION
TC 612.39 / G 611.82	EXIST TOP OF CURB ELEVATION / EXIST GUTTER ELEVATION
613	PROPOSED CONTOUR
TC 614.5 / G 614.0	PROPOSED TOP OF CURB ELEVATION / PROPOSED GUTTER ELEVATION
EL 614.5	PROPOSED SPOT ELEVATION
	PROPOSED DRAINAGE FLOW DIRECTION
	STABILIZED CONSTRUCTION ENTRANCE
	INLET PROTECTION
	SILT FENCE

POLLUTION CONTROL GENERAL NOTES

1. THIS PLAN HAS BEEN PREPARED TO PROVIDE MEANS TO PREVENT OR MINIMIZE POLLUTION OF STORM WATER.
2. THE CONSTRUCTION ACTIVITY INCLUDED IN THIS PLAN WILL INCLUDE:
   - A. CLEARING AND GRUBBING
   - B. ROUGH GRADING
   - C. FINAL GRADING
   - D. UTILITY INSTALLATION
   - E. PAVEMENT INSTALLATION
   - F. BUILDING CONSTRUCTION
3. THE TOTAL ESTIMATED LAND AREA TO BE DISTURBED IS 2.2 ACRE.
4. THE ESTIMATED RUNOFF COEFFICIENT UPON COMPLETION OF THE PROJECT IS 0.90.
5. THE STORM WATER EXITING THE SITE IS COLLECTED IN AN EXISTING DRAINAGE SYSTEM MAINTAINED BY THE TOWN OF ADDISON, TEXAS.
6. THE SOILS ON THE SITE ARE GENERALLY EXPANSIVE CLAYS.
7. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION PROTECTION AROUND THE WORK AREA PERIMETER AND AT ALL INLET MOUTHS PRIOR TO COMMENCING WORK AND UNTIL THE WORK AREA HAS BEEN STABILIZED.
8. THE CONTRACTOR WILL REMOVE ALL EXCESS SOIL FROM CONSTRUCTION VEHICLES PRIOR TO EXITING THE SITE.
9. ALL DISTURBED AREAS WHICH WILL NOT BE RE-DISTURBED FOR A MINIMUM OF 21 DAYS MUST BE STABILIZED BY THE CONTRACTOR TO CONTROL EROSION.
10. THE CONTRACTOR SHALL UNDERTAKE PROPER METHODS TO REDUCE DUST GENERATION FROM THE SITE.
11. THE CONTRACTOR MUST COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING SEDIMENT AND EROSION CONTROL.
12. A COPY OF THIS PLAN MUST BE KEPT AT THE CONSTRUCTION FACILITY DURING THE ENTIRE CONSTRUCTION PERIOD.
13. CONSTRUCTION SEQUENCING MUST PROVIDE FOR THE EXCAVATION OF AN ON-SITE BASIN AS A SEDIMENT COLLECTION BASIN PRIOR TO THE DISTURBANCE OF GREATER THAN 10 ACRES OF LAND.
14. ALL FINISHED GRADES ARE TO BE HYDROMULCHED, SPOT SODDED OR SEEDED AND WATERED UNTIL GROWTH IS ESTABLISHED ON AND OFF-SITE.
15. A PIT OR WASH OUT BASIN SHALL BE CONSTRUCTED ON-SITE BY THE CONTRACTOR FOR THE "WASH OUT" OF CONCRETE TRUCKS.
16. A BERM OR OTHER SPILL PROTECTION MEASURE SHALL BE USED FOR ANY TEMPORARY FUEL STORAGE TANK ON SITE.
17. IF "SUMP" PUMPS ARE USED TO REMOVE WATER FROM EXCAVATED AREAS, FILTER THE DISCHARGE TO REMOVE SEDIMENT AND OTHER POLLUTANTS BEFORE THE WATER LEAVES THE SITE.
18. TO PREVENT DAMAGE TO VEGETATION IN DOWNSTREAM WATER COURSES, LIMIT ANY PROPOSED LIME STABILIZATION OPERATIONS TO THAT WHICH CAN BE MIXED AND COMPACTED BY THE END OF EACH WORK DAY. GEOTEXTILE FABRIC IS NOT EFFECTIVE IN FILTERING LIME SINCE THE GRAIN SIZE IS SMALLER THAN THE OPENING IN THE FABRIC.
19. VEHICLE PARKING AREAS, STAGING AREAS, STOCKPILES, SPOILS, ETC. SHALL BE LOCATED SUCH THAT THEY WILL NOT ADVERSELY AFFECT STORM WATER QUALITY. OTHERWISE, COVERING OR ENCIRCLING THE AREAS WITH PROTECTIVE MEASURES SHALL BE NECESSARY.
20. STORE ALL TRASH AND BUILDING MATERIALS WASTE IN AN ENCLOSURE UNTIL PROPER DISPOSAL AT OFF-SITE FACILITIES.

STATE OF TEXAS
STEVEN A. MARKUSSEN
70090
REGISTERED PROFESSIONAL ENGINEER
10/1/03

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY STEVEN A. MARKUSSEN, P.E. 70090 ON 10/01/2003. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

NO.	DATE	REVISION

Pacheco Koch Consulting Engineers
8350 N CENTRAL EXPWY SUITE 1000 DALLAS, TEXAS 75206 972.235.3031

EROSION CONTROL PLAN & DETAILS
FRITO LAY (FLNA) CORPORATE HANGER
AIRPORT PARKWAY @
ADDISON AIRPORT
TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
BJM	DRI	SEPT 2003	N.T.S.			C7.1

PK FILE: 1830-03.207
DWG FILE: 1830-03-207CV.DWG

FRITO LAY (FLNA) CORPORATE HANGER

BRAD MOSS
10/01/2003 - 11:55AM
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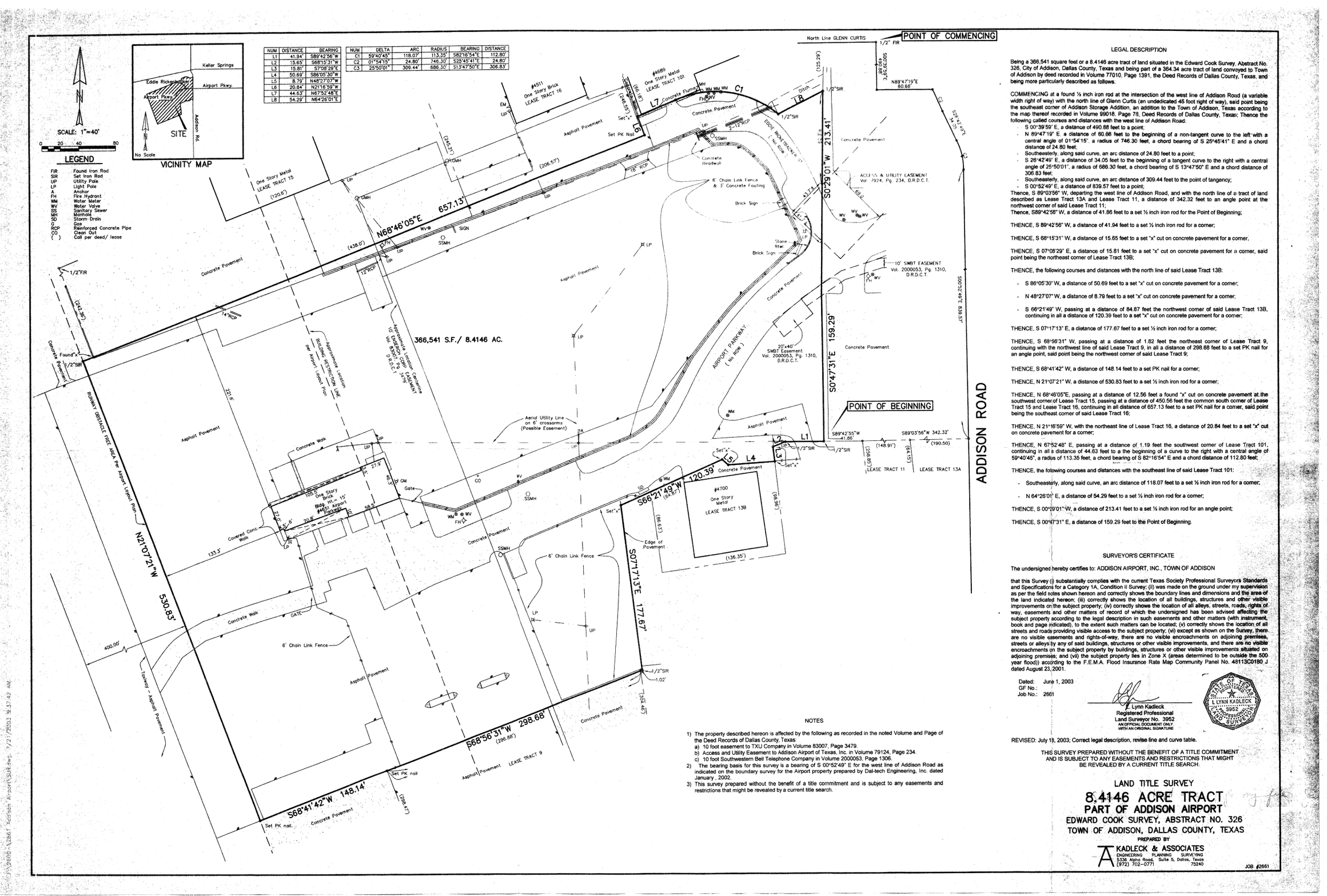


NUM	DISTANCE	BEARING
L1	41.94'	S89°42'56"W
L2	15.65'	S68°15'31"W
L3	15.81'	S7°08'29"E
L4	50.69'	S86°05'30"W
L5	8.79'	N48°27'07"W
L6	20.84'	N21°16'59"W
L7	44.63'	N67°52'48"E
L8	54.29'	N64°26'01"E

NUM	DELTA	ARC	RADIUS	BEARING	DISTANCE
C1	59°40'45"	118.07'	113.35'	S82°16'54"E	112.80'
C2	01°54'15"	24.80'	746.30'	S25°45'41"E	24.80'
C3	25°50'01"	309.44'	686.30'	S13°47'50"E	306.83'

NOTES

1) The property described hereon is affected by the following as recorded in the noted Volume and Page of the Deed Records of Dallas County, Texas:
   a) 10 foot easement to TXU Company in Volume 83007, Page 3479.
   b) Access and Utility Easement to Addison Airport of Texas, Inc. in Volume 79124, Page 234.
   c) 10 foot Southwestern Bell Telephone Company in Volume 2000053, Page 1306.
2) The bearing basis for this survey is a bearing of S 00°52'49" E for the west line of Addison Road as indicated on the boundary survey for the Airport property prepared by Dal-tech Engineering, Inc. dated January , 2002.
3) This survey prepared without the benefit of a title commitment and is subject to any easements and restrictions that might be revealed by a current title search.

LEGAL DESCRIPTION

Being a 366,541 square feet or a 8.4146 acre tract of land situated in the Edward Cook Survey, Abstract No. 326, City of Addison, Dallas County, Texas and being part of a 364.34 acre tract of land conveyed to Town of Addison by deed recorded in Volume 77010, Page 1391, the Deed Records of Dallas County, Texas, and being more particularly described as follows:

COMMENCING at a found ½ inch iron rod at the intersection of the west line of Addison Road (a variable width right of way) with the north line of Glenn Curtis (an undedicated 45 foot right of way), said point being the southeast corner of Addison Storage Addition, an addition to the Town of Addison, Texas according to the map thereof recorded in Volume 99018, Page 78, Deed Records of Dallas County, Texas; Thence the following called courses and distances with the west line of Addison Road:

- S 00°39'59" E, a distance of 490.86 feet to a point;
- N 89°47'19" E, a distance of 60.66 feet to the beginning of a non-tangent curve to the left with a central angle of 01°54'15", a radius of 746.30 feet, a chord bearing of S 25°45'41" E and a chord distance of 24.80 feet;
- Southeasterly, along said curve, an arc distance of 24.80 feet to a point;
- S 26°42'49" E, a distance of 34.05 feet to the beginning of a tangent curve to the right with a central angle of 25°50'01", a radius of 686.30 feet, a chord bearing of S 13°47'50" E and a chord distance of 306.83 feet;
- Southeasterly, along said curve, an arc distance of 309.44 feet to the point of tangency;
- S 00°52'49" E, a distance of 839.57 feet to a point;

Thence, S 89°03'56" W, departing the west line of Addison Road, and with the north line of a tract of land described as Lease Tract 13A and Lease Tract 11, a distance of 342.32 feet to an angle point at the northwest corner of said Lease Tract 11;
Thence, S89°42'56" W, a distance of 41.86 feet to a set ½ inch iron rod for the Point of Beginning;

THENCE, S 89°42'56" W, a distance of 41.94 feet to a set ½ inch iron rod for a corner;

THENCE, S 68°15'31" W, a distance of 15.65 feet to a set "x" cut on concrete pavement for a corner,

THENCE, S 07°08'29" E, a distance of 15.81 feet to a set "x" cut on concrete pavement for a corner, said point being the northeast corner of Lease Tract 13B;

THENCE, the following courses and distances with the north line of said Lease Tract 13B:

- S 86°05'30" W, a distance of 50.69 feet to a set "x" cut on concrete pavement for a corner;
- N 48°27'07" W, a distance of 8.79 feet to a set "x" cut on concrete pavement for a corner;
- S 66°21'49" W, passing at a distance of 84.87 feet the northwest corner of said Lease Tract 13B, continuing in all a distance of 120.39 feet to a set "x" cut on concrete pavement for a corner;

THENCE, S 07°17'13" E, a distance of 177.67 feet to a set ½ inch iron rod for a corner;

THENCE, S 68°56'31" W, passing at a distance of 1.82 feet the northeast corner of Lease Tract 9, continuing with the northwest line of said Lease Tract 9, in all a distance of 298.68 feet to a set PK nail for an angle point, said point being the northwest corner of said Lease Tract 9;

THENCE, S 68°41'42" W, a distance of 148.14 feet to a set PK nail for a corner;

THENCE, N 21°07'21" W, a distance of 530.83 feet to a set ½ inch iron rod for a corner;

THENCE, N 68°46'05"E, passing at a distance of 12.56 feet a found "x" cut on concrete pavement at the southwest corner of Lease Tract 15, passing at a distance of 450.56 feet the common south corner of Lease Tract 15 and Lease Tract 16, continuing in all distance of 657.13 feet to a set PK nail for a corner, said point being the southeast corner of said Lease Tract 16;

THENCE, N 21°16'59" W, with the northeast line of Lease Tract 16, a distance of 20.84 feet to a set "x" cut on concrete pavement for a corner;

THENCE, N 67°52'48" E, passing at a distance of 1.19 feet the southwest corner of Lease Tract 101, continuing in all a distance of 44.63 feet to a the beginning of a curve to the right with a central angle of 59°40'45", a radius of 113.35 feet, a chord bearing of S 82°16'54" E and a chord distance of 112.80 feet;

THENCE, the following courses and distances with the southeast line of said Lease Tract 101:

- Southeasterly, along said curve, an arc distance of 118.07 feet to a set ½ inch iron rod for a corner;
- N 64°26'01" E, a distance of 54.29 feet to a set ½ inch iron rod for a corner;

THENCE, S 00°29'01"W, a distance of 213.41 feet to a set ½ inch iron rod for an angle point;

THENCE, S 00°47'31" E, a distance of 159.29 feet to the Point of Beginning.

SURVEYOR'S CERTIFICATE

The undersigned hereby certifies to: ADDISON AIRPORT, INC., TOWN OF ADDISON

that this Survey (i) substantially complies with the current Texas Society Professional Surveyors Standards and Specifications for a Category 1A, Condition II Survey; (ii) was made on the ground under my supervision as per the field notes shown hereon and correctly shows the boundary lines and dimensions and the area of the land indicated hereon; (iii) correctly shows the location of all buildings, structures and other visible improvements on the subject property; (iv) correctly shows the location of all alleys, streets, roads, rights of way, easements and other matters of record of which the undersigned has been advised affecting the subject property according to the legal description in such easements and other matters (with instrument, book and page indicated), to the extent such matters can be located; (v) correctly shows the location of all streets and roads providing visible access to the subject property; (vi) except as shown on the Survey, there are no visible easements and rights-of-way, there are no visible encroachments on adjoining premises, streets or alleys by any of said buildings, structures or other visible improvements, and there are no visible encroachments on the subject property by buildings, structures or other visible improvements situated on adjoining premises; and (vii) the subject property lies in Zone X (areas determined to be outside the 500 year flood)) according to the F.E.M.A. Flood Insurance Rate Map Community Panel No. 48113C0180 J dated August 23, 2001.

Dated: June 1, 2003
GF No.:
Job No.: 2661

L Lynn Kadleck
Registered Professional
Land Surveyor No. 3952
AN OFFICIAL DOCUMENT ONLY
WITH AN ORIGINAL SIGNATURE

STATE OF TEXAS REGISTERED L. LYNN KADLECK 3952 LAND SURVEYOR

REVISED: July 18, 2003; Correct legal description, revise line and curve table.

THIS SURVEY PREPARED WITHOUT THE BENEFIT OF A TITLE COMMITMENT AND IS SUBJECT TO ANY EASEMENTS AND RESTRICTIONS THAT MIGHT BE REVEALED BY A CURRENT TITLE SEARCH.

LAND TITLE SURVEY

8.4146 ACRE TRACT

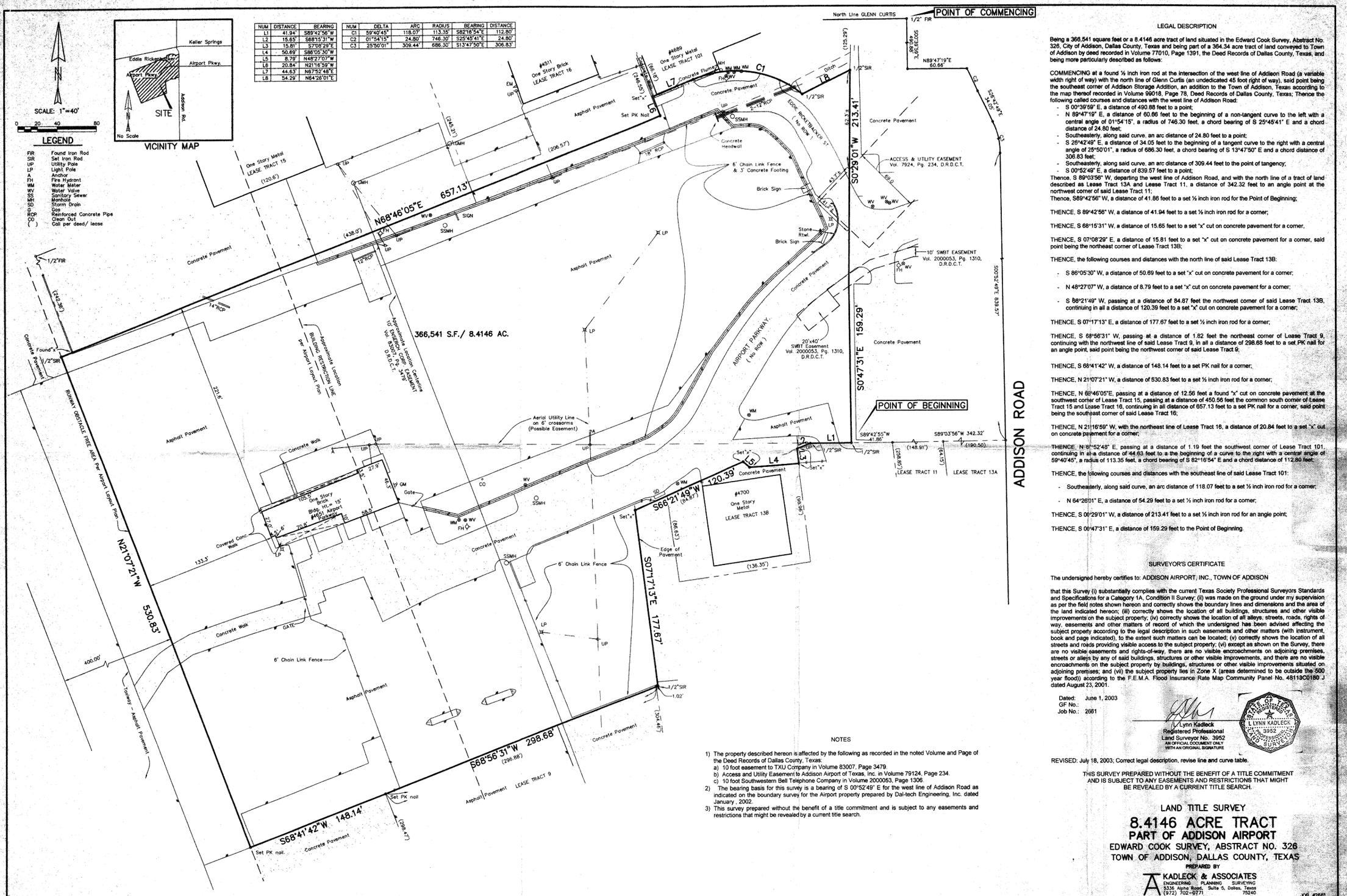
PART OF ADDISON AIRPORT

EDWARD COOK SURVEY, ABSTRACT NO. 326
TOWN OF ADDISON, DALLAS COUNTY, TEXAS

PREPARED BY

KADLECK & ASSOCIATES
ENGINEERING PLANNING SURVEYING
5336 Alpha Road, Suite 5, Dallas, Texas 75240
(972) 702-0771

JOB #2661



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Dated: June 1, 2003
GF No.:
Job No.: 2661

/s/ Lynn Kadleck
Registered Professional
Land Surveyor No. 3952
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STATE OF TEXAS REGISTERED LYNN KADLECK 3952 PROFESSIONAL LAND SURVEYOR

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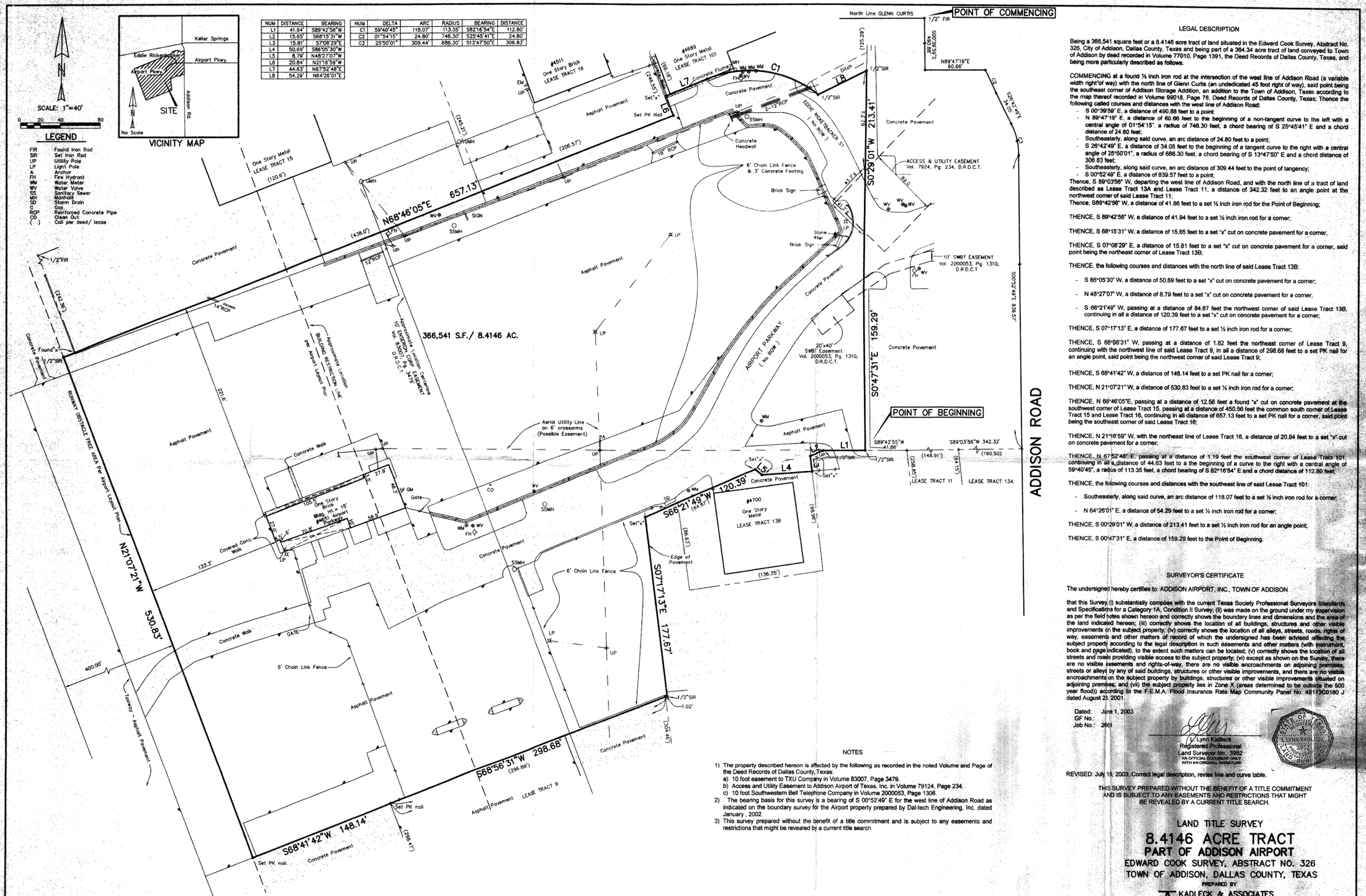


NOTES

1) The property described hereon is affected by the following as recorded in the noted Volume and Page of the Deed Records of Dallas County, Texas:
   a) 10 foot easement to TXU Company in Volume 83007, Page 3479.
   b) Access and Utility Easement to Addison Airport of Texas, Inc. in Volume 79124, Page 234.
   c) 10 foot Southwestern Bell Telephone Company in Volume 2000053, Page 1306.
2) The bearing basis for this survey is a bearing of S 00°52'49" E for the west line of Addison Road as indicated on the boundary survey for the Airport property prepared by Dal-tech Engineering, Inc. dated January , 2002.
3) This survey prepared without the benefit of a title commitment and is subject to any easements and restrictions that might be revealed by a current title search.

LEGAL DESCRIPTION

Being a 366,541 square feet or a 8.4146 acre tract of land situated in the Edward Cook Survey, Abstract No. 326, City of Addison, Dallas County, Texas and being part of a 364.34 acre tract of land conveyed to Town of Addison by deed recorded in Volume 77010, Page 1391, the Deed Records of Dallas County, Texas, and being more particularly described as follows:

COMMENCING at a found ½ inch iron rod at the intersection of the west line of Addison Road (a variable width right-of way) with the north line of Glenn Curtis (an undedicated 45 foot right of way), said point being the southeast corner of Addison Storage Addition, an addition to the Town of Addison, Texas according to the map thereof recorded in Volume 99018, Page 78, Deed Records of Dallas County, Texas; Thence the following called courses and distances with the west line of Addison Road:

- S 00°39'59" E, a distance of 490.88 feet to a point;
- N 89°47'19" E, a distance of 60.66 feet to the beginning of a non-tangent curve to the left with a central angle of 01°54'15", a radius of 746.30 feet, a chord bearing of S 25°45'41" E and a chord distance of 24.80 feet;
- Southeasterly, along said curve, an arc distance of 24.80 feet to a point;
- S 26°42'49" E, a distance of 34.05 feet to the beginning of a tangent curve to the right with a central angle of 25°50'01", a radius of 686.30 feet, a chord bearing of S 13°47'50" E and a chord distance of 306.83 feet;
- Southeasterly, along said curve, an arc distance of 309.44 feet to the point of tangency;
- S 00°52'49" E, a distance of 839.57 feet to a point;

Thence, S 89°03'56" W, departing the west line of Addison Road, and with the north line of a tract of land described as Lease Tract 13A and Lease Tract 11, a distance of 342.32 feet to an angle point at the northwest corner of said Lease Tract 11;
Thence, S89°42'56" W, a distance of 41.86 feet to a set ½ inch iron rod for the Point of Beginning;

THENCE, S 89°42'56" W, a distance of 41.94 feet to a set ½ inch iron rod for a corner;

THENCE, S 68°15'31" W, a distance of 15.65 feet to a set "x" cut on concrete pavement for a corner,

THENCE, S 07°08'29" E, a distance of 15.81 feet to a set "x" cut on concrete pavement for a corner, said point being the northeast corner of Lease Tract 13B;

THENCE, the following courses and distances with the north line of said Lease Tract 13B:

- S 86°05'30" W, a distance of 50.69 feet to a set "x" cut on concrete pavement for a corner;
- N 48°27'07" W, a distance of 8.79 feet to a set "x" cut on concrete pavement for a corner;
- S 66°21'49" W, passing at a distance of 84.87 feet the northwest corner of said Lease Tract 13B, continuing in all a distance of 120.39 feet to a set "x" cut on concrete pavement for a corner;

THENCE, S 07°17'13" E, a distance of 177.67 feet to a set ½ inch iron rod for a corner;

THENCE, S 68°56'31" W, passing at a distance of 1.82 feet the northeast corner of Lease Tract 9, continuing with the northwest line of said Lease Tract 9, in all a distance of 298.68 feet to a set PK nail for an angle point, said point being the northwest corner of said Lease Tract 9;

THENCE, S 68°41'42" W, a distance of 148.14 feet to a set PK nail for a corner;

THENCE, N 21°07'21" W, a distance of 530.83 feet to a set ½ inch iron rod for a corner;

THENCE, N 66°46'05"E, passing at a distance of 12.56 feet a found "x" cut on concrete pavement at the southwest corner of Lease Tract 15, passing at a distance of 450.56 feet the common south corner of Lease Tract 15 and Lease Tract 16, continuing in all distance of 657.13 feet to a set PK nail for a corner, said point being the southeast corner of said Lease Tract 16;

THENCE, N 21°16'59" W, with the northeast line of Lease Tract 16, a distance of 20.84 feet to a set "x" cut on concrete pavement for a corner;

THENCE, N 67°52'48" E, passing at a distance of 1.19 feet the southwest corner of Lease Tract 101, continuing in all a distance of 44.63 feet to a the beginning of a curve to the right with a central angle of 59°40'45", a radius of 113.35 feet, a chord bearing of S 82°16'54" E and a chord distance of 112.80 feet;

THENCE, the following courses and distances with the southeast line of said Lease Tract 101:

- Southeasterly, along said curve, an arc distance of 118.07 feet to a set ½ inch iron rod for a corner;
- N 64°26'01" E, a distance of 54.29 feet to a set ½ inch iron rod for a corner;

THENCE, S 00°29'01" W, a distance of 213.41 feet to a set ½ inch iron rod for an angle point;

THENCE, S 00°47'31" E, a distance of 159.29 feet to the Point of Beginning.

SURVEYOR'S CERTIFICATE

The undersigned hereby certifies to: ADDISON AIRPORT, INC., TOWN OF ADDISON

that this Survey (i) substantially complies with the current Texas Society Professional Surveyors Standards and Specifications for a Category 1A, Condition II Survey; (ii) was made on the ground under my supervision as per the field notes shown hereon and correctly shows the boundary lines and dimensions and the area of the land indicated hereon; (iii) correctly shows the location of all buildings, structures and other visible improvements on the subject property; (iv) correctly shows the location of all alleys, streets, roads, rights of way, easements and other matters of record of which the undersigned has been advised affecting the subject property according to the legal description in such easements and other matters (with instrument, book and page indicated), to the extent such matters can be located; (v) correctly shows the location of all streets and roads providing visible access to the subject property; (vi) except as shown on the Survey, there are no visible easements and rights-of-way, there are no visible encroachments on adjoining premises, streets or alleys by any of said buildings, structures or other visible improvements, and there are no visible encroachments on the subject property by buildings, structures or other visible improvements situated on adjoining premises, and (vii) the subject property lies in Zone X (areas determined to be outside the 500 year flood)) according to the F.E.M.A. Flood Insurance Rate Map Community Panel No. 48113C0180 J dated August 23, 2001.

Dated: June 1, 2003
GF No.:
Job No.: 2661

/s/ Lynn Kadleck
Registered Professional
Land Surveyor No. 3952
AN OFFICIAL DOCUMENT ONLY WITH AN ORIGINAL SIGNATURE

REVISED: July 18, 2003; Correct legal description, revise line and curve table.

THIS SURVEY PREPARED WITHOUT THE BENEFIT OF A TITLE COMMITMENT AND IS SUBJECT TO ANY EASEMENTS AND RESTRICTIONS THAT MIGHT BE REVEALED BY A CURRENT TITLE SEARCH.

LAND TITLE SURVEY

8.4146 ACRE TRACT

PART OF ADDISON AIRPORT

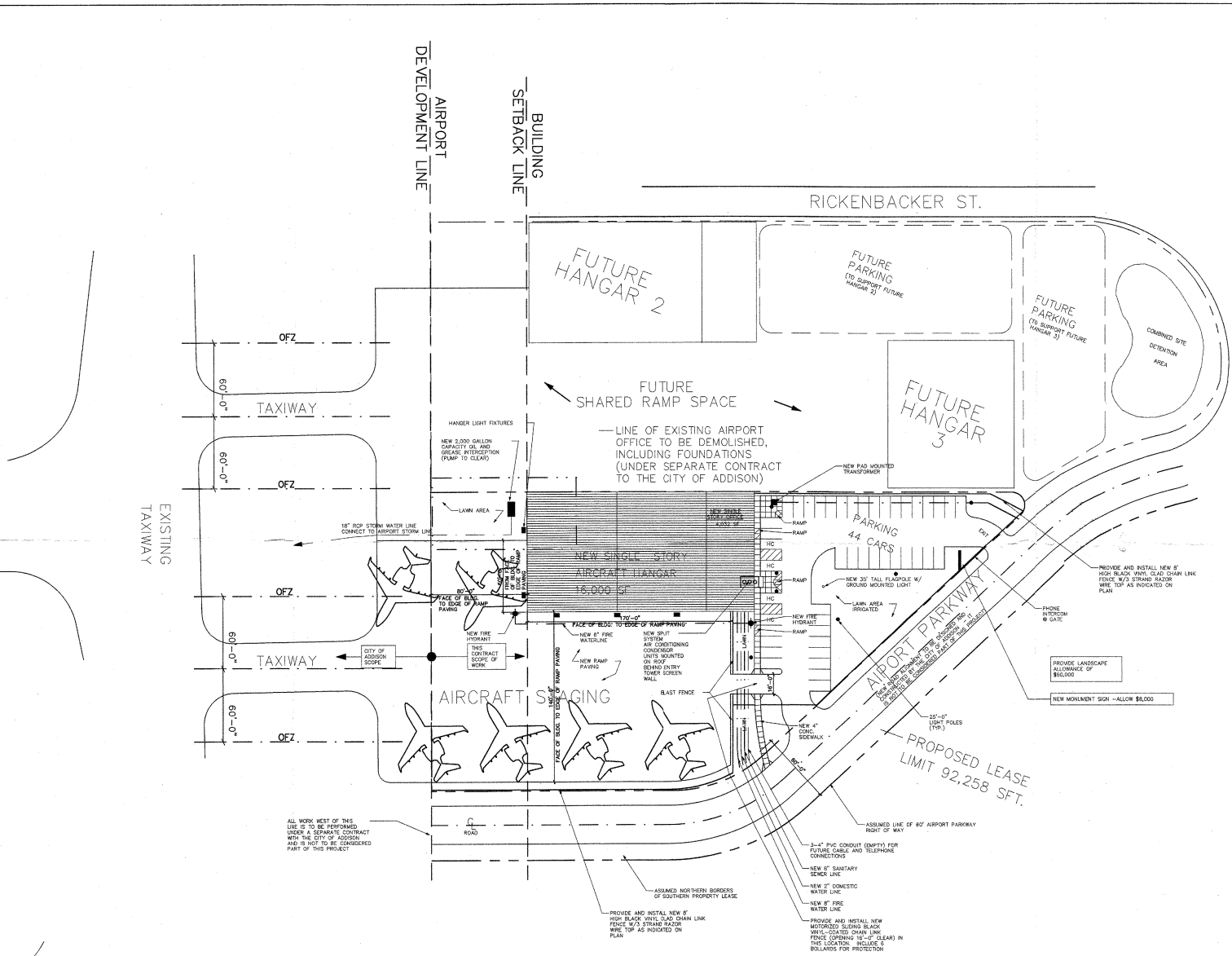
EDWARD COOK SURVEY, ABSTRACT NO. 326
TOWN OF ADDISON, DALLAS COUNTY, TEXAS

PREPARED BY

KADLECK & ASSOCIATES
ENGINEERING PLANNING SURVEYING
5336 Alpha Road, Suite S, Dallas, Texas
(972) 702-0771

JOB #2661

F:\2600-\2661 Addison Airport\SUR.dwg, 7/17/2003 9:37:42 AM



01 PROPOSED SITE
ADDISON, TEXAS
SCALE: 1" = 30'-0"

CORGAN

ISSUES
1 SCHEMATIC DESIGN PACKAGE FOR PRICING ONLY 5-29-03

REVISIONS

FLNA COPORATE HANGAR

SITE PLAN

JOB 03097.0000
DATE
SHEET
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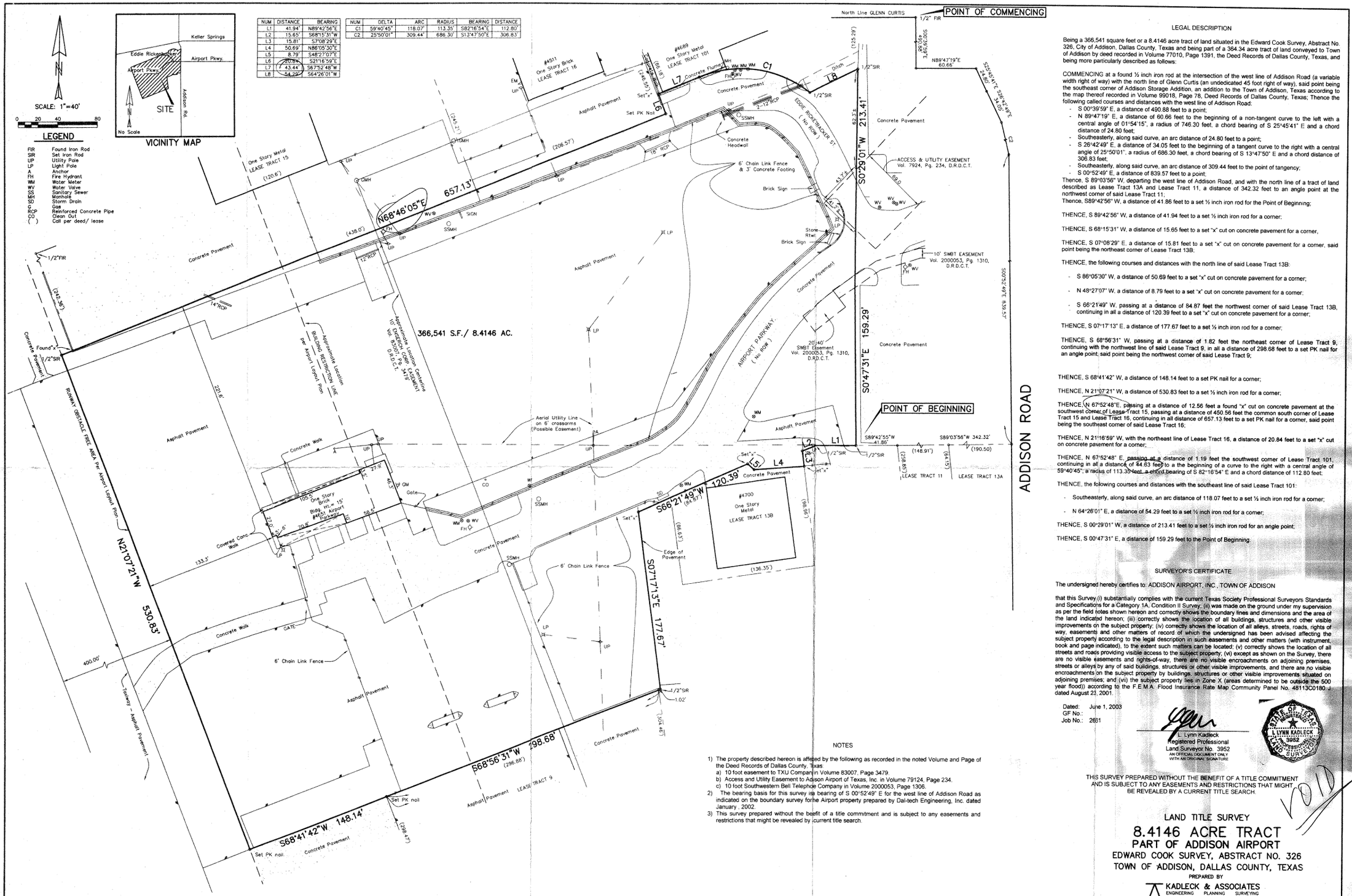

NUM	DISTANCE	BEARING
L1	41.94'	N89°42'56"E
L2	15.65'	S68°15'31"W
L3	15.81'	S7°08'29"E
L4	50.69'	N86°05'30"E
L5	8.79'	S48°27'07"E
L6	20.84'	S21°16'59"E
L7	43.44'	S67°52'48"W
L8	54.29'	S64°26'01"W

NUM	DELTA	ARC	RADIUS	BEARING	DISTANCE
C1	59°40'45"	118.07'	113.35'	S82°16'54"E	112.80'
C2	25°50'01"	309.44'	686.30'	S13°47'50"E	306.83'

NOTES

1) The property described hereon is affected by the following as recorded in the noted Volume and Page of the Deed Records of Dallas County, Texas
   a) 10 foot easement to TXU Comparn in Volume 83007, Page 3479.
   b) Access and Utility Easement to Addison Airport of Texas, Inc. in Volume 79124, Page 234.
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COMMENCING at a found ½ inch iron rod at the intersection of the west line of Addison Road (a variable width right of way) with the north line of Glenn Curtis (an undedicated 45 foot right of way), said point being the southeast corner of Addison Storage Addition, an addition to the Town of Addison, Texas according to the map thereof recorded in Volume 99018, Page 78, Deed Records of Dallas County, Texas; Thence the following called courses and distances with the west line of Addison Road:

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- Southeasterly, along said curve, an arc distance of 24.80 feet to a point;
- S 26°42'49" E, a distance of 34.05 feet to the beginning of a tangent curve to the right with a central angle of 25°50'01", a radius of 686.30 feet, a chord bearing of S 13°47'50" E and a chord distance of 306.83 feet;
- Southeasterly, along said curve, an arc distance of 309.44 feet to the point of tangency;
- S 00°52'49" E, a distance of 839.57 feet to a point;

Thence, S 89°03'56" W, departing the west line of Addison Road, and with the north line of a tract of land described as Lease Tract 13A and Lease Tract 11, a distance of 342.32 feet to an angle point at the northwest corner of said Lease Tract 11;
Thence, S89°42'56" W, a distance of 41.86 feet to a set ½ inch iron rod for the Point of Beginning;

THENCE, S 89°42'56" W, a distance of 41.94 feet to a set ½ inch iron rod for a corner;

THENCE, S 68°15'31" W, a distance of 15.65 feet to a set "x" cut on concrete pavement for a corner,

THENCE, S 07°08'29" E, a distance of 15.81 feet to a set "x" cut on concrete pavement for a corner, said point being the northeast corner of Lease Tract 13B;

THENCE, the following courses and distances with the north line of said Lease Tract 13B:

- S 86°05'30" W, a distance of 50.69 feet to a set "x" cut on concrete pavement for a corner;
- N 48°27'07" W, a distance of 8.79 feet to a set "x" cut on concrete pavement for a corner;
- S 66°21'49" W, passing at a distance of 84.87 feet the northwest corner of said Lease Tract 13B, continuing in all a distance of 120.39 feet to a set "x" cut on concrete pavement for a corner;

THENCE, S 07°17'13" E, a distance of 177.67 feet to a set ½ inch iron rod for a corner;

THENCE, S 68°56'31" W, passing at a distance of 1.82 feet the northeast corner of Lease Tract 9, continuing with the northwest line of said Lease Tract 9, in all a distance of 298.68 feet to a set PK nail for an angle point; said point being the northwest corner of said Lease Tract 9;

THENCE, S 68°41'42" W, a distance of 148.14 feet to a set PK nail for a corner;

THENCE, N 21°07'21" W, a distance of 530.83 feet to a set ½ inch iron rod for a corner;

THENCE, N 67°52'48" E, passing at a distance of 12.56 feet a found "x" cut on concrete pavement at the southwest corner of Lease Tract 15, passing at a distance of 450.56 feet the common south corner of Lease Tract 15 and Lease Tract 16, continuing in all distance of 657.13 feet to a set PK nail for a corner, said point being the southeast corner of said Lease Tract 16;

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THENCE, N 67°52'48" E, passing at a distance of 1.19 feet the southwest corner of Lease Tract 101, continuing in all a distance of 64.83 feet to a the beginning of a curve to the right with a central angle of 59°40'45", a radius of 113.35 feet, a chord bearing of S 82°16'54" E and a chord distance of 112.80 feet;

THENCE, the following courses and distances with the southeast line of said Lease Tract 101:

- Southeasterly, along said curve, an arc distance of 118.07 feet to a set ½ inch iron rod for a corner;
- N 64°26'01" E, a distance of 54.29 feet to a set ½ inch iron rod for a corner;

THENCE, S 00°29'01" W, a distance of 213.41 feet to a set ½ inch iron rod for an angle point;

THENCE, S 00°47'31" E, a distance of 159.29 feet to the Point of Beginning.

SURVEYOR'S CERTIFICATE

The undersigned hereby certifies to: ADDISON AIRPORT, INC., TOWN OF ADDISON

that this Survey,(i) substantially complies with the current Texas Society Professional Surveyors Standards and Specifications for a Category 1A, Condition II Survey; (ii) was made on the ground under my supervision as per the field notes shown hereon and correctly shows the boundary lines and dimensions and the area of the land indicated hereon; (iii) correctly shows the location of all buildings, structures and other visible improvements on the subject property; (iv) correctly shows the location of all alleys, streets, roads, rights of way, easements and other matters of record of which the undersigned has been advised affecting the subject property according to the legal description in such easements and other matters (with instrument, book and page indicated), to the extent such matters can be located; (v) correctly shows the location of all streets and roads providing visible access to the subject property; (vi) except as shown on the Survey, there are no visible easements and rights-of-way, there are no visible encroachments on adjoining premises, streets or alleys by any of said buildings, structures or other visible improvements, and there are no visible encroachments on the subject property by buildings, structures or other visible improvements situated on adjoining premises; and (vii) the subject property lies in Zone X (areas determined to be outside the 500 year flood)) according to the F.E.M.A. Flood Insurance Rate Map Community Panel No. 48113C0180 J dated August 23, 2001.

Dated: June 1, 2003
GF No.:
Job No.: 2661

L. Lynn Kadleck
Registered Professional
Land Surveyor No. 3952
AN OFFICIAL DOCUMENT ONLY WITH AN ORIGINAL SIGNATURE

STATE OF TEXAS
REGISTERED
L. LYNN KADLECK
3952
PROFESSIONAL
LAND SURVEYOR

THIS SURVEY PREPARED WITHOUT THE BENEFIT OF A TITLE COMMITMENT AND IS SUBJECT TO ANY EASEMENTS AND RESTRICTIONS THAT MIGHT BE REVEALED BY A CURRENT TITLE SEARCH.

LAND TITLE SURVEY

8.4146 ACRE TRACT

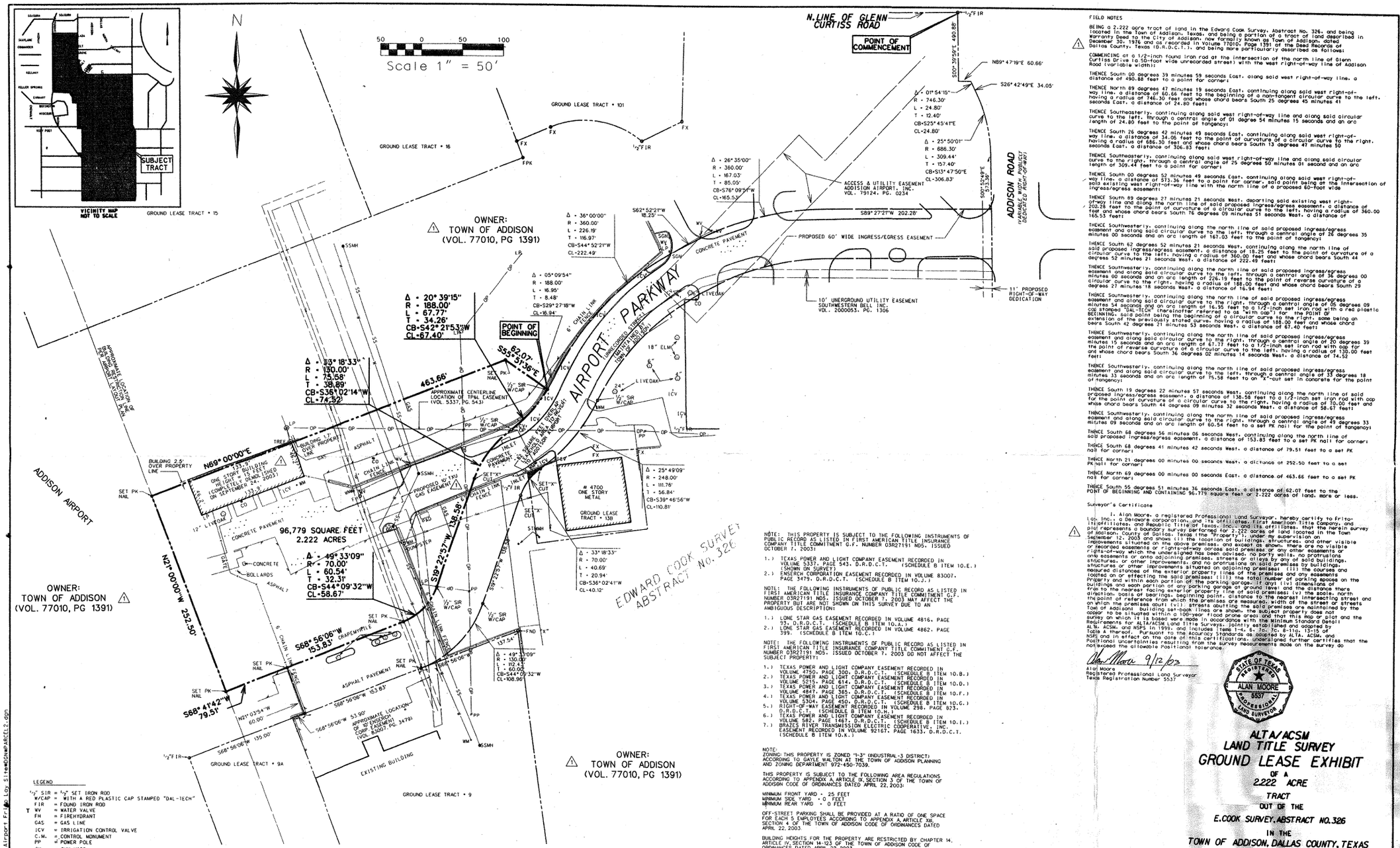
PART OF ADDISON AIRPORT

EDWARD COOK SURVEY, ABSTRACT NO. 326
TOWN OF ADDISON, DALLAS COUNTY, TEXAS

PREPARED BY

KADLECK & ASSOCIATES
ENGINEERING PLANNING SURVEYING
5336 Alpha Road, Suite 5, Dallas, Texas
(972) 702-0771
75240

JOB #2661



NOTE:
ALL BEARINGS FOR THIS TRACT REFER TO THE NAD-83 TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE 4202, ACCORDING TO MEASUREMENTS MADE AT ADDISON AIRPORT GPS MONUMENT NO.1. THE CONVERGENCE ANGLE AND COMBINED SCALE FACTOR AT GPS NO.1 ARE 00 DEGREES 54 MINUTES 30.51684 SECONDS AND 0.99984319, RESPECTIVELY.

FLOOD NOTE: By graphical plotting, the parcel described in this Survey is located in Zone "X" as shown on Dallas County, Texas and Incorporated Areas Flood Insurance Rate Map, Panel Number 48113C0180 J, with an effective date of August 23, 2001. Zone "X" is defined as "Areas determined to be outside 500 year flood plain"

NOTE: THIS PROPERTY IS SUBJECT TO THE FOLLOWING INSTRUMENTS OF PUBLIC RECORD AS LISTED IN FIRST AMERICAN TITLE INSURANCE COMPANY TITLE COMMITMENT G.F. NUMBER 03R27191 NOS. ISSUED OCTOBER 7, 20031

1.) TEXAS POWER AND LIGHT COMPANY EASEMENT RECORDED IN VOLUME 5337, PAGE 543, D.R.D.C.T. (SCHEDULE B ITEM 10.E.) (SHOWN ON SURVEY)
2.) ENSERCH CORPORATION EASEMENT RECORDED IN VOLUME 83007, PAGE 3479, D.R.D.C.T. (SCHEDULE B ITEM 10.J.)

NOTE: THE FOLLOWING INSTRUMENTS OF PUBLIC RECORD AS LISTED IN FIRST AMERICAN TITLE INSURANCE COMPANY TITLE COMMITMENT G.F. NUMBER 03R27191 NOS. ISSUED OCTOBER 7, 2003 MAY AFFECT THE PROPERTY BUT ARE NOT SHOWN ON THIS SURVEY DUE TO AN AMBIGUOUS DESCRIPTION:

1.) LONE STAR GAS EASEMENT RECORDED IN VOLUME 4816, PAGE 93, D.R.D.C.T. (SCHEDULE B ITEM 10.A.)
2.) LONE STAR GAS EASEMENT RECORDED IN VOLUME 4862, PAGE 399. (SCHEDULE B ITEM 10.C.)

NOTE: THE FOLLOWING INSTRUMENTS OF PUBLIC RECORD AS LISTED IN FIRST AMERICAN TITLE INSURANCE COMPANY TITLE COMMITMENT G.F. NUMBER 03R27191 NOS. ISSUED OCTOBER 7, 2003 DO NOT AFFECT THE SUBJECT PROPERTY:

1.) TEXAS POWER AND LIGHT COMPANY EASEMENT RECORDED IN VOLUME 4750, PAGE 300, D.R.D.C.T. (SCHEDULE B ITEM 10.B.)
2.) TEXAS POWER AND LIGHT COMPANY EASEMENT RECORDED IN VOLUME 5215, PAGE 614, D.R.D.C.T. (SCHEDULE B ITEM 10.D.)
3.) TEXAS POWER AND LIGHT COMPANY EASEMENT RECORDED IN VOLUME 4847, PAGE 365, D.R.D.C.T. (SCHEDULE B ITEM 10.F.)
4.) TEXAS POWER AND LIGHT COMPANY EASEMENT RECORDED IN VOLUME 5304, PAGE 450, D.R.D.C.T. (SCHEDULE B ITEM 10.G.)
5.) RIGHT-OF-WAY EASEMENT RECORDED IN VOLUME 298, PAGE 823, D.R.D.C.T. (SCHEDULE B ITEM 10.H.)
6.) TEXAS POWER AND LIGHT COMPANY EASEMENT RECORDED IN VOLUME 582, PAGE 1467, D.R.D.C.T. (SCHEDULE B ITEM 10.I.)
7.) BRAZOS RIVER TRANSMISSION ELECTRIC COOPERATIVE, INC. EASEMENT RECORDED IN VOLUME 92167, PAGE 1633, D.R.D.C.T. (SCHEDULE B ITEM 10.K.)

NOTE:
ZONING: THIS PROPERTY IS ZONED "I-3" (INDUSTRIAL-3 DISTRICT) ACCORDING TO GAYLE WALTON AT THE TOWN OF ADDISON PLANNING AND ZONING DEPARTMENT 972-450-7039.

THIS PROPERTY IS SUBJECT TO THE FOLLOWING AREA REGULATIONS ACCORDING TO APPENDIX A ARTICLE IX SECTION 3 OF THE TOWN OF ADDISON CODE OF ORDINANCES DATED APRIL 22, 2003:

MINIMUM FRONT YARD - 25 FEET
MINIMUM SIDE YARD - 0 FEET
MINIMUM REAR YARD - 0 FEET

OFF-STREET PARKING SHALL BE PROVIDED AT A RATIO OF ONE SPACE FOR EACH 5 EMPLOYEES ACCORDING TO APPENDIX A ARTICLE XIII, SECTION A OF THE TOWN OF ADDISON CODE OF ORDINANCES DATED APRIL 22, 2003

BUILDING HEIGHTS FOR THE PROPERTY ARE RESTRICTED BY CHAPTER 14, ARTICLE IV, SECTION 14-123 OF THE TOWN OF ADDISON CODE OF ORDINANCES DATED APRIL 22, 2003.

FIELD NOTES

BEING A 2.222 acre tract of land in the Edward Cook Survey, Abstract No. 326, and being located in the Town of Addison, Texas, and being a portion of a tract of land described in Warranty Deed to the City of Addison, now formally known as Town of Addison, dated December 30, 1976 and as recorded in Volume 77010, Page 1391 of the Deed Records of Dallas County, Texas (D.R.D.C.T.), and being more particularly described as follows:

COMMENCING at a 1/2-inch found iron rod at the intersection of the north line of Glenn Curtiss Drive (a 50-foot wide unrecorded street) with the west right-of-way line of Addison Road (variable width);

THENCE South 00 degrees 39 minutes 59 seconds East, along said west right-of-way line, a distance of 490.88 feet to a point for corner;

THENCE North 89 degrees 47 minutes 19 seconds East, continuing along said west right-of-way line, a distance of 60.66 feet to the beginning of a non-tangent circular curve to the left, having a radius of 746.30 feet and whose chord bears South 25 degrees 45 minutes 41 seconds East, a distance of 24.80 feet;

THENCE Southeasterly, continuing along said west right-of-way line and along said circular curve to the left, through a central angle of 01 degree 54 minutes 15 seconds and an arc length of 24.80 feet to the point of tangency;

THENCE South 26 degrees 42 minutes 49 seconds East, continuing along said west right-of-way line, a distance of 34.05 feet to the point of curvature of a circular curve to the right, having a radius of 686.30 feet and whose chord bears South 13 degrees 47 minutes 50 seconds East, a distance of 306.83 feet;

THENCE Southeasterly, continuing along said west right-of-way line and along said circular curve to the right, through a central angle of 25 degrees 50 minutes 01 second and an arc length of 309.44 feet to a point for corner;

THENCE South 00 degrees 52 minutes 49 seconds East, continuing along said west right-of-way line, a distance of 573.36 feet to a point for corner, said point being at the intersection of said existing west right-of-way line with the north line of a proposed 60-foot wide ingress/egress easement;

THENCE South 89 degrees 27 minutes 21 seconds West, departing said existing west right-of-way line and along the north line of said proposed ingress/egress easement, a distance of 202.28 feet to the point of curvature of a circular curve to the left, having a radius of 360.00 feet and whose chord bears South 76 degrees 09 minutes 51 seconds West, a distance of 165.53 feet;

THENCE Southwesterly, continuing along the north line of said proposed ingress/egress easement and along said circular curve to the left, through a central angle of 26 degrees 35 minutes 00 seconds and an arc length of 167.03 feet to the point of tangency;

THENCE South 62 degrees 52 minutes 21 seconds West, continuing along the north line of said proposed ingress/egress easement, a distance of 18.25 feet to the point of curvature of a circular curve to the left, having a radius of 360.00 feet and whose chord bears South 44 degrees 52 minutes 21 seconds West, a distance of 222.49 feet;

THENCE Southwesterly, continuing along the north line of said proposed ingress/egress easement and along said circular curve to the left, through a central angle of 36 degrees 00 minutes 00 seconds and an arc length of 226.19 feet to the point of reverse curvature of a circular curve to the right, having a radius of 188.00 feet and whose chord bears South 29 degrees 27 minutes 18 seconds West, a distance of 16.94 feet;

THENCE Southwesterly, continuing along the north line of said proposed ingress/egress easement and along said circular curve to the right, through a central angle of 05 degrees 09 minutes 54 seconds and an arc length of 16.95 feet to a 1/2-inch set iron rod with cap stamped "DAL-TECH" (hereinafter referred to as "with cap") for the POINT OF BEGINNING, said point being the beginning of a circular curve to the right, same being an extension of the previously stated curve, having a radius of 188.00 feet and whose chord bears South 42 degrees 21 minutes 53 seconds West, a distance of 67.40 feet;

THENCE Southwesterly, continuing along the north line of said proposed ingress/egress easement and along said circular curve to the right, through a central angle of 20 degrees 39 minutes 15 seconds and an arc length of 67.77 feet to a 1/2-inch set iron rod with cap for the point of reverse curvature of a circular curve to the left, having a radius of 130.00 feet and whose chord bears South 36 degrees 02 minutes 14 seconds West, a distance of 74.52 feet;

THENCE Southwesterly, continuing along the north line of said proposed ingress/egress easement and along said circular curve to the left, through a central angle of 33 degrees 18 minutes 33 seconds and an arc length of 75.58 feet to an "X"-cut set in concrete for the point of tangency;

THENCE South 19 degrees 22 minutes 57 seconds West, continuing along the north line of said proposed ingress/egress easement, a distance of 158.58 feet to a 1/2-inch set iron rod with cap for the point of curvature of a circular curve to the right, having a radius of 70.00 feet and whose chord bears South 44 degrees 09 minutes 32 seconds West, a distance of 58.67 feet;

THENCE Southwesterly, continuing along the north line of said proposed ingress/egress easement and along said circular curve to the right, through a central angle of 49 degrees 33 minutes 09 seconds and an arc length of 60.54 feet to a set PK nail for the point of tangency;

THENCE South 68 degrees 56 minutes 06 seconds West, continuing along the north line of said proposed ingress/egress easement, a distance of 153.83 feet to a set PK nail for corner;

THENCE South 68 degrees 41 minutes 42 seconds West, a distance of 79.51 feet to a set PK nail for corner;

THENCE North 21 degrees 00 minutes 00 seconds West, a distance of 252.50 feet to a set PK nail for corner;

THENCE North 69 degrees 00 minutes 00 seconds East, a distance of 463.66 feet to a set PK nail for corner;

THENCE South 55 degrees 51 minutes 36 seconds East, a distance of 62.07 feet to the POINT OF BEGINNING and CONTAINING 96,779 square feet or 2.222 acres of land, more or less.

Surveyor's Certificate

I, Alan Moore, a registered Professional Land Surveyor, hereby certify to Fritco, Inc., a Delaware corporation, on its affiliates, First American Title Company, and their successors and/or assigns and/or its affiliates, that the herein survey of Addison, County of Dallas, Texas (the "Property") under my supervision on September 12, 2003 and shows: 1) the location of buildings, structures, and other visible or recorded easements or rights-of-way across said premises or any other easements or rights-of-way which the undersigned has been advised; no party walls, no protrusions onto easements or onto adjoining premises, streets or alleys by any of said buildings, structures or other improvements, and no encroachions on said premises by buildings, structures or other improvements situated on adjoining premises; (ii) the courses and measured distances of the exterior property lines of the premises and any easements located on or affecting the said premises; (iii) the total number of parking spaces on the Property and within each portion of the parking garage, if any; (iv) dimensions of the buildings and each portion of any parking garage at ground level and the distance there from to the nearest facing exterior property line of said premises; (v) the scale, north direction, basis of bearings, beginning point, distance to the nearest intersecting street and the point of reference from which the premises are measured, width of the street or streets on which the premises abut; (vi) streets abutting the said premises are maintained by the Town of Addison; building set-back lines are shown, the subject property does not appear to be situated within a 100-year flood prone area; and that this map or plat and the survey on which it is based were made in accordance with the Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys, jointly established and adopted by ALTA, ACSM, and NSPS in 1999, and includes Items 1-4, 6, 7c, 8-10, 11-13 of Table A thereof. Pursuant to the Accuracy Standards as adopted by ALTA, ACSM, and NSPS and in effect on the date of this certification, undersigned further certifies that the Positional uncertainties resulting from the survey measurements made on the survey do not exceed the allowable Positional Tolerance.

Alan Moore 9/12/03
Alan Moore
Registered Professional Land Surveyor
Texas Registration Number 5537

STATE OF TEXAS REGISTERED ALAN MOORE 5537 PROFESSIONAL LAND SURVEYOR

ALTA/ACSM LAND TITLE SURVEY GROUND LEASE EXHIBIT

OF A

2.222 ACRE TRACT

OUT OF THE

E.COOK SURVEY, ABSTRACT NO.326

IN THE

TOWN OF ADDISON, DALLAS COUNTY, TEXAS

FOR

ADDISON AIRPORT

BY

DAL-TECH ENGINEERING, INC.
17311 DALLAS PKWY., SUITE 200
DALLAS, TEXAS 75248
TEL: (972)250-2727 FAX: (972)250-4774

SEPTEMBER 2003 JOB NO. 0330

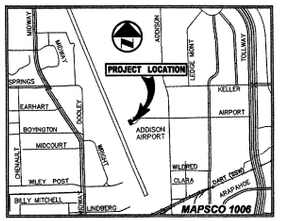
⚠ REVISED AS SHOWN ON OCTOBER 8, 2003.

10/09/2003
D:#0330 - Addison Airport Fritco Lay Sites\DGN\#2ARCL2.dgn

SIGN IN SHEET				Page 1 of 2
PROJECT: Frito Lay, Airport Parkway, Airport Apron			DATE: 1/26/04	
NAME	**COMPANY**	**OFFICE PHONE**	**CELL PHONE**	**FAX**
Jim Pierce	Town of Addison	972-450-2879	Pager: 972-500-0341	972-450-2837
LUKE JALBERT	"	972-450-2860	214-850-3645	"
JENNY NICEWANDER	HNTB	972-628-3164	972 896 1713	972 661 5161
Luis Elguezabal	Addison Airport	972-392-4861	~~817~~ 972-946-4406	972-788-9334
LISA Pyles	Addison Airport	972 392 4855	~~972~~ 214 683-9814	972 788 9334
DAVID FOSTER	Addison Airport	972-392-4852	214-683-7583	972-788-9334
Norris E. Cross	Rodriguez ENG.	512-~~413~~-251-4480	512-413-8845	512-251-1380
Marty Lamkin	Jim Bowman Const	972-423-1313	214-535-2804	972-423-9447
Jim Bowman	Jim Bowman Const. Co. L.P.	"	214-926-7398	"
ADRIAN BOWMAN	" " " " "	"	"	"
Bryan Piper	Sito Corate	972-313-0733	214-226-1822	972-513-0661
Carson Coleman	Constructors	972 934-1665	214 878-2225	972 934-2614

CONTROL POINTS

CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	7,039,689.078	2,480,245.682	638.30	AA-1
2	7,041,501.126	2,480,144.730	641.92	AA-2
3	7,037,202.352	2,480,632.193	638.03	AA-3
4	7,035,957.986	2,479,444.822	632.41	AA-4
5	7,039,508.863	2,478,102.163	637.40	AA-5
6	7,043,849.691	2,477,497.499	652.26	AA-6
7	7,039,305.132	2,478,531.657	640.77	AB2788
8	7,040,772.156	2,478,253.153	633.02	AB7648
9	7,043,042.492	2,477,532.021	637.40	AH7852
10	7,038,354.486	2,478,875.925	642.02	CS1308



VICINITY MAP

0 20 40 80 120

GRAPHIC SCALE IN FEET

LEGEND

- B. BOLLARD
- EM ELECTRIC METER
- PP POWER POLE
- LS LIGHT STANDARD
- WM WATER METER
- WV WATER VALVE
- ICV IRRIGATION CONTROL VALVE
- FH FIRE HYDRANT
- CO CLEANOUT
- MH MANHOLE
- TSC TRAFFIC SIGNAL CONTROL
- TSP TRAFFIC SIGNAL POLE
- TELE TELEPHONE BOX
- FLOOD LIGHT
- FP FLAG POLE
- SIGN TRAFFIC SIGN
- IRS 1/2-INCH IRON ROD W/"PACHECO KOCH" CAP SET
- (C.M.) CONTROLLING MONUMENT
- PROPERTY LINE
- FENCE
- OHL OVERHEAD UTILITY LINE
- 6"W UNDERGROUND WATER LINE
- E UNDERGROUND ELECTRIC LINE
- T UNDERGROUND TELEPHONE LINE
- C UNDERGROUND CABLE LINE
- 6"SS UNDERGROUND SANITARY SEWER LINE
- PROPOSED DEMOLITION AREA
- DEMOLITION BY OTHERS

DEMOLITION NOTES

1. REVIEW ALL GENERAL NOTES.
2. REMOVE ALL EXISTING PAVEMENT AND STRUCTURES WITHIN THE SHADED AREA UNLESS OTHERWISE NOTED.
3. SAWCUT AND REMOVE ALL EXISTING DRIVE APPROACHES THAT ARE SHADED 2 FEET FROM THE BACK OF CURB.
4. CONSULT THE DIMENSIONAL CONTROL PLAN, VERIFY THE PORTION OF EXISTING CONCRETE CURBS WHICH ARE TO REMAIN.
5. COORDINATE WITH TOWN OF ADDISON, TXU, SOUTHWESTERN BELL TELEPHONE, AND THE LOCAL CABLE COMPANY PRIOR TO THE REMOVAL AND/OR RELOCATION OF EXISTING UTILITIES INCLUDING MARKING THE LOCATIONS ON THE GROUND.
6. ALL UTILITIES SHOULD BE CUT AND PLUGGED IN COORDINATION WITH THEIR RESPECTIVE UTILITY COMPANIES AND PRIOR TO THE DEMOLITION OF THE EXISTING BUILDINGS.
7. CONTRACTOR TO PLUG ALL EXPOSED ENDS AND ABANDONED UTILITIES.
8. CONTRACTOR TO DETERMINE SOURCE OF ALL EXPOSED UTILITIES AND IF REQUIRED, RECONNECT TO PROPOSED UTILITIES AFTER COORDINATING WITH TOWN AND/OR FRANCHISE UTILITIES.
9. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL MATERIALS REMOVED FROM DEMOLITION.
10. EXISTING WATER METERS AND FIRE HYDRANTS REMOVED ARE TO BE RETURNED TO THE TOWN OF ADDISON.

FOR GRADING PERMIT ONLY

STATE OF TEXAS
STEVEN A. MARKUSSEN
70090
REGISTERED PROFESSIONAL ENGINEER
10/01/03

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY STEVEN A. MARKUSSEN, P.E. 70090 ON 10/01/2003. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

NO.	DATE	REVISION

Pacheco Koch Consulting Engineers
8350 N CENTRAL EXPWY SUITE 1000 DALLAS, TEXAS 75206 972.235.3031

DEMOLITION PLAN

FRITO LAY (FLNA) CORPORATE HANGER
AIRPORT PARKWAY @
ADDISON AIRPORT
TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
BJM	DRI	SEPT 2003	1"=40'			C1.1

PK FILE: 1830-03.207 DWG FILE: 1830-03-207CV.DWG

FRITO LAY (FLNA) CORPORATE HANGER

BRAD MOSS
10/03/2003 - 11:18AM
M:\DWG-1\1830-03-207\DWG\1830-03-207CV.DWG

CONTROL POINTS

CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	7,039,689.078	2,480,245.682	638.30	AA-1
2	7,041,501.126	2,480,144.730	641.92	AA-2
3	7,037,202.352	2,480,632.193	638.03	AA-3
4	7,035,957.986	2,479,444.822	632.41	AA-4
5	7,039,506.863	2,478,102.163	637.40	AA-5
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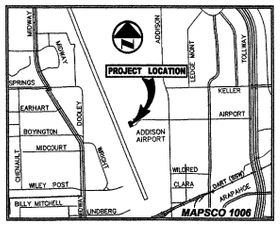
8	7,040,772.156	2,478,253.153	633.02	AB7648
9	7,043,042.492	2,477,532.021	637.40	AH7852
10	7,038,354.486	2,478,875.925	642.02	CS1308



VICINITY MAP

0 20 40 80 120

GRAPHIC SCALE IN FEET

LEGEND

- BOLLARD
- ELECTRIC METER
- POWER POLE
- LIGHT STANDARD
- WATER METER
- WATER VALVE
- IRRIGATION CONTROL VALVE
- FIRE HYDRANT
- CLEANOUT
- MANHOLE
- TRAFFIC SIGNAL CONTROL
- TRAFFIC SIGNAL POLE
- TELEPHONE BOX
- FLOOD LIGHT
- FLAG POLE
- TRAFFIC SIGN
- IRS — 1/2-INCH IRON ROD W/"PACHECO KOCH" CAP SET
- (C.M.) — CONTROLLING MONUMENT
- PROPERTY LINE
- FENCE
- OVERHEAD UTILITY LINE
- UNDERGROUND WATER LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND TELEPHONE LINE
- UNDERGROUND CABLE LINE
- UNDERGROUND SANITARY SEWER LINE
- PROPOSED DEMOLITION AREA
- DEMOLITION BY OTHERS

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6. ALL UTILITIES SHOULD BE CUT AND PLUGGED IN COORDINATION WITH THEIR RESPECTIVE UTILITY COMPANIES AND PRIOR TO THE DEMOLITION OF THE EXISTING BUILDINGS.
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FOR GRADING PERMIT ONLY

STATE OF TEXAS
STEVEN A. MARKUSSEN
70090
REGISTERED
PROFESSIONAL ENGINEER
10/1/03

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NO.	DATE	REVISION

Pacheco Koch Consulting Engineers
8350 N CENTRAL EXPWY SUITE 1000 DALLAS, TEXAS 75206 972.235.3031

DEMOLITION PLAN

FRITO LAY (FLNA) CORPORATE HANGER

AIRPORT PARKWAY @ ADDISON AIRPORT

TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
BJM	DRI	SEPT 2003	1"=40'			C1.1

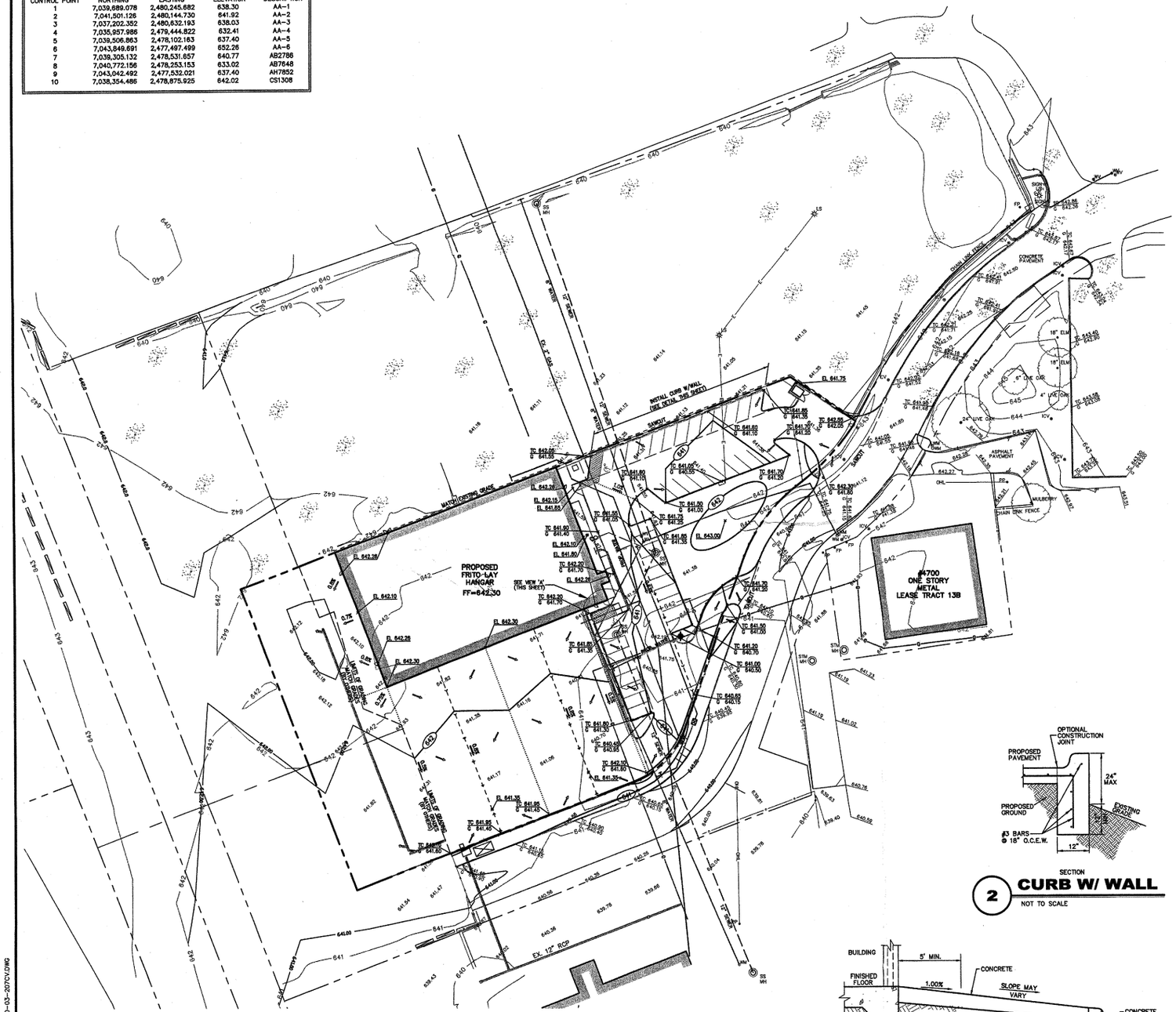
PK FILE: 1830-03.207

DWG FILE: 1830-03-207CV.DWG

FRITO LAY (FLNA) CORPORATE HANGER

CONTROL POINTS

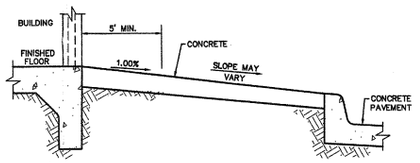
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	7,039,689.078	2,480,245.882	638.30	AA-1
2	7,041,501.126	2,480,144.730	641.92	AA-2
3	7,037,202.352	2,480,632.193	638.03	AA-3
4	7,035,957.986	2,479,444.822	632.41	AA-4
5	7,039,506.863	2,478,102.183	637.40	AA-5
6	7,043,849.691	2,477,497.499	652.26	AA-6
7	7,039,305.132	2,478,531.657	640.77	AB2786
8	7,040,772.156	2,478,253.153	633.02	AB7648
9	7,043,042.492	2,477,532.021	637.40	AH7852
10	7,038,354.486	2,478,875.925	642.02	CS1308



SECTION

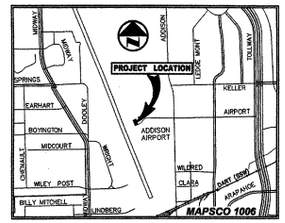
2 CURB W/ WALL

NOT TO SCALE

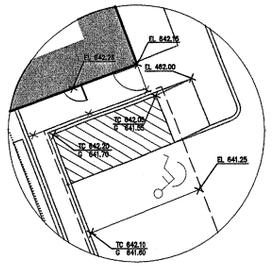


1 EXTERIOR BUILDING GRADING

TYPICAL GRADING ELEVATIONS ALONG THE SOUTH AND WEST SIDE OF BUILDING NOT TO SCALE



VICINITY MAP



VIEW 'A'

SCALE: 1"=10'

0 20 40 80 120

GRAPHIC SCALE IN FEET

LEGEND

B	BOLLARD
EM	ELECTRIC METER
PP	POWER POLE
LS	LIGHT STANDARD
WM	WATER METER
WV	WATER VALVE
ICV	IRRIGATION CONTROL VALVE
FH	FIRE HYDRANT
CO	CLEANOUT
MH	MANHOLE
TSC	TRAFFIC SIGNAL CONTROL
TSP	TRAFFIC SIGNAL POLE
TELE	TELEPHONE BOX
JAL	FLOOD LIGHT
FP	FLAG POLE
SIGN	TRAFFIC SIGN
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	PROPERTY LINE
x	FENCE
OHL	OVERHEAD UTILITY LINE
6"W	UNDERGROUND WATER LINE
E	UNDERGROUND ELECTRIC LINE
T	UNDERGROUND TELEPHONE LINE
C	UNDERGROUND CABLE LINE
6"SS	UNDERGROUND SANITARY SEWER LINE
613	EXIST CONTOUR
612.39	EXIST SPOT ELEVATION
TC 613.39 C 611.95	EXIST TOP OF CURB ELEVATION EXIST GUTTER ELEVATION
648.00	PROPOSED CONTOUR (BY OTHERS)
614	PROPOSED CONTOUR
TC 614.5 C 614.0	PROPOSED TOP OF CURB ELEVATION PROPOSED GUTTER ELEVATION
EL 614.5	PROPOSED SPOT ELEVATION
	PROPOSED DRAINAGE FLOW DIRECTION

GRADING AND DRAINAGE GENERAL NOTES

1. REFER TO GEOTECHNICAL REPORT FOR REQUIREMENTS REGARDING FILL COMPACTION AND MOISTURE CONTENT.
2. UNLESS NOTED, ALL FILL IS TO BE COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY O TO +3% OF OPTIMUM MOISTURE CONTENT. FILL TO BE PLACED IN A MAXIMUM OF 6" LIFTS.
3. SIDEWALKS AND ACCESSIBLE ROUTES SHALL HAVE A SLOPE NO GREATER THAN 5% AND A CROSS FALL NO GREATER THAN 2% UNLESS NOTED OTHERWISE.
4. GRADING OF ALL HANDICAPPED SPACES AND ROUTES TO CONFORM TO STATE, LOCAL AND FEDERAL GUIDELINES.
5. UNLESS NOTED, STORM DRAIN LINES MAY BE OF THE FOLLOWING MATERIALS:
   A. RCP C-76, CLASS III
   B. ADS N-12
   C. HANCOR HI-Q

   AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
6. UNLESS NOTED, GRATE INLET TO BE "AMERICAN INDUSTRIAL PRE-CAST PRODUCTS, INC." PRECAST CATCH BASIN, SIZED AS SHOWN, OR APPROVED EQUAL.
7. FINAL PAVING, CURB AND SIDEWALK ELEVATIONS WILL BE PLACED AT PLUS OR MINUS 0.03 FOOT.
8. ANY CONCRETE, ROCK OR MATERIAL DEEMED UNSUITABLE FOR SUBGRADE, BY ENGINEER, SHALL BE DISPOSED OF OFFSITE AT CONTRACTOR'S EXPENSE.
9. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 6.2.10. AND SHALL BE MECHANICALLY COMPACTED IN ACCORDANCE WITH NCTCOG ITEM 6.2.9 TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
10. EMBEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 6.2.9 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
11. A ROUND MANHOLE COVER MEETING CITY SPECIFICATIONS SHALL BE PLACED IN ALL INLET TOPS. THE MANHOLE COVER SHALL BE PLACED NEAR THE OUTLET PIPE.
12. ALL CONCRETE FOR INLETS AND DRAINAGE STRUCTURES SHALL CONFORM TO NCTCOG ITEM 7.4.5, CLASS "A" UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN STANDARD CITY SPECIFICATIONS.
13. IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTORS EXPENSE.
14. ALL EXTERIOR GRADES WITHIN 5 FEET OF THE BUILDING FACE ARE TO BE SLOPED AT A MINIMUM OF 1% AWAY FROM THE BUILDING (SEE DETAIL THIS SHEET).

FOR GRADING PERMIT ONLY

NO.	DATE	REVISION

STATE OF TEXAS — STEVEN A. MARKUSSEN — 70090 — REGISTERED PROFESSIONAL ENGINEER

10/1/03

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GRADING PLAN

FRITO LAY (FLNA) CORPORATE HANGER

AIRPORT PARKWAY @

ADDISON AIRPORT

TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
BJM	DRI	SEPT 2003	1"=40'			C3.1

PK FILE: 1830-03.207

DWG FILE: 1830-03-207CV.DWG

FRITO LAY (FLNA) CORPORATE HANGER

BRAD MOSS 10/03/2003 11:40AM M:\DWG\1830\03-207\DWG\1830-03-207CV.DWG

CONTROL POINTS

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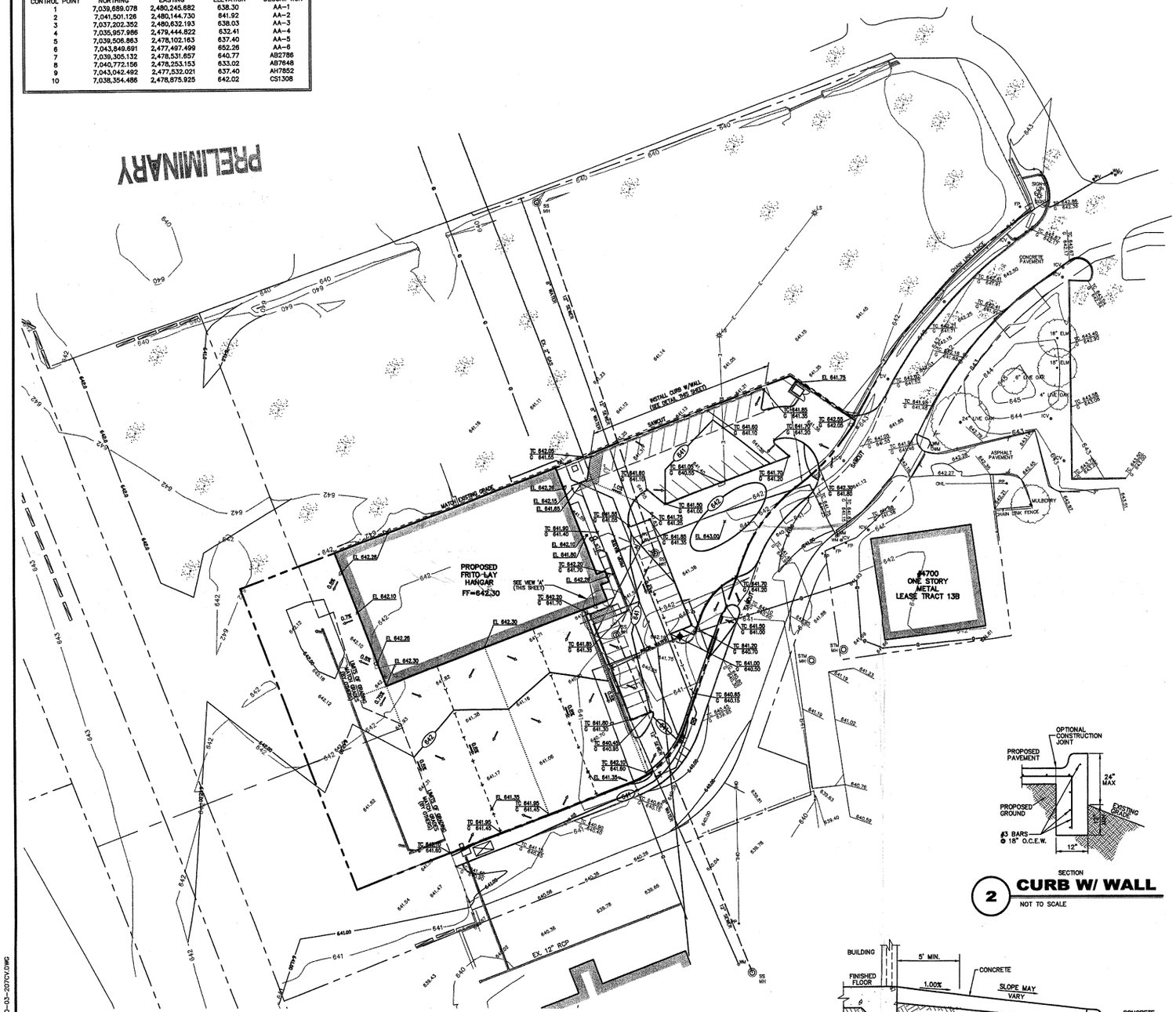
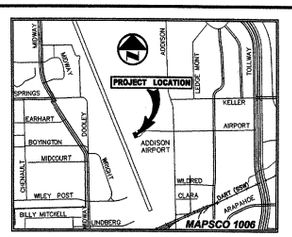
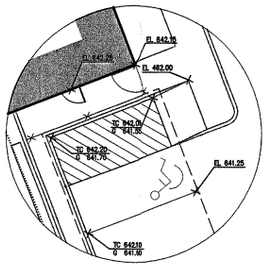
PRELIMINARY





VICINITY MAP



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	PROPERTY LINE
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TC 613.39 / G 611.92	EXIST TOP OF CURB ELEVATION / EXIST GUTTER ELEVATION
642.00	PROPOSED CONTOUR (BY OTHERS)
613	PROPOSED CONTOUR
TC 614.5 / G 614.0	PROPOSED TOP OF CURB ELEVATION / PROPOSED GUTTER ELEVATION
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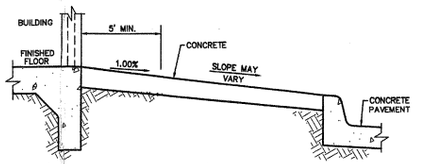
   C. HANCOR HI-Q

   AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
6. UNLESS NOTED, GRATE INLET TO BE "AMERICAN INDUSTRIAL PRE-CAST PRODUCTS, INC." PRECAST CATCH BASIN, SIZED AS SHOWN, OR APPROVED EQUAL.
7. FINAL PAVING, CURB AND SIDEWALK ELEVATIONS WILL BE PLACED AT PLUS OR MINUS 0.03 FOOT.
8. ANY CONCRETE, ROCK OR MATERIAL DEEMED UNSUITABLE FOR SUBGRADE, BY ENGINEER, SHALL BE DISPOSED OF OFFSITE AT CONTRACTOR'S EXPENSE.
9. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 6.2.10. AND SHALL BE MECHANICALLY COMPACTED IN ACCORDANCE WITH NCTCOG ITEM 6.2.9 TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
10. EMBEDMENT SHALL CONFORM TO THE REQUIREMENTS OF NCTCOG ITEM 6.2.9 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
11. A ROUND MANHOLE COVER MEETING CITY SPECIFICATIONS SHALL BE PLACED IN ALL INLET TOPS. THE MANHOLE COVER SHALL BE PLACED NEAR THE OUTLET PIPE.
12. ALL CONCRETE FOR INLETS AND DRAINAGE STRUCTURES SHALL CONFORM TO NCTCOG ITEM 7.4.5, CLASS "A" UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN STANDARD CITY SPECIFICATIONS.
13. IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTORS EXPENSE.
14. ALL EXTERIOR GRADES WITHIN 5 FEET OF THE BUILDING FACE ARE TO BE SLOPED AT A MINIMUM OF 1% AWAY FROM THE BUILDING (SEE DETAIL THIS SHEET).

SECTION
2 CURB W/ WALL
NOT TO SCALE



1 EXTERIOR BUILDING GRADING
TYPICAL GRADING ELEVATIONS ALONG THE SOUTH AND WEST SIDE OF BUILDING
NOT TO SCALE

FOR GRADING PERMIT ONLY

NO.	DATE	REVISION

STATE OF TEXAS
STEVEN A. MARKUSSEN
70090
REGISTERED PROFESSIONAL ENGINEER
10/1/03

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY STEVEN A. MARKUSSEN, P.E. 70090 ON 10/01/2003. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

Pacheco Koch Consulting Engineers
8350 N CENTRAL EXPWY SUITE 1000 DALLAS, TEXAS 75206 972.235.3031

GRADING PLAN

FRITO LAY (FLNA) CORPORATE HANGER

AIRPORT PARKWAY @ ADDISON AIRPORT

TOWN OF ADDISON, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
BJM	DRI	SEPT 2003	1"=40'			C3.1

PK FILE: 1830-03.207
DWG FILE: 1830-03-207CV.DWG

FRITO LAY (FLNA) CORPORATE HANGER

BRAD MOSS
10/01/2003 - 11:40AM
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