

**AMENDMENT NO. 2
TO THE
PROFESSIONAL ARCHITECT/ENGINEERING SERVICES
AGREEMENT
BETWEEN
THE TEXAS FACILITIES COMMISSION
AND
JACOBS ENGINEERING GROUP INC.**

This Amendment No. 2 to the Professional Architectural/Engineering Services Agreement (hereinafter referred to as "Amendment No. 2") is entered into by and between the Texas Facilities Commission (hereinafter referred to as "TFC"), a state agency located at 1711 San Jacinto Boulevard, Austin, Texas 78701, as Owner (as defined in UGC, Section 1.28), and Jacobs Engineering Group Inc. (hereinafter referred to as "Architect/Engineer" or "A/E"), located at 2705 Bee Cave Road, Suite 300, Austin, Texas 78746 (hereinafter referred to collectively as the "parties"), to amend the original Professional Architectural/Engineering Services Agreement between the parties.

RECITALS

WHEREAS, on January 27, 2017, the parties entered into that one certain *Professional Services Architectural/Engineering Services Agreement Between the Texas Facilities Commission and Jacobs Engineering Group Inc.* (hereinafter referred to as the "Agreement"); and

WHEREAS, on May 8, 2018, the parties entered into Amendment No. 1 to provide for Additional Services and Fees and to extend the term of the Agreement; and

WHEREAS, the parties now desire to amend the Agreement to provide for the Additional Services and Fees necessary to comply with certain Austin Energy requirements;

NOW THEREFORE, the parties hereby agree as follows:

1. Unless clearly provided otherwise herein, all terms and phrases in initial caps herein shall have the same meaning as the terms and phrases with initial caps in the Agreement.
2. The parties agree to amend ARTICLE I – DEFINITIONS, Section 1.1.4, to supplement "Exhibit F," List of A/E's Key Personnel, with "Exhibit F-2," A/E's Amendment No. 2 List of Key Personnel, attached hereto and incorporated herein for all purposes.
3. The parties agree to amend ARTICLE II – SCOPE OF SERVICES, SECTION 2.1. – NORTH AUSTIN COMPLEX, by modifying Section 2.2.6.5.5 so that it reads in its entirety, as follows:

"2.2.6.5.5. design criteria for the proposed electrical system including reserve capacity to include project management and electrical and civil site re-design to

TFC Contract No. 17-025-000
Jacobs Engineering Group Inc.
Amendment No. 2
Project No. 16-030-8060

Exhibit F-2
A/E's Amendment No. 2 List of Key Personnel

**AMENDMENT NO. 2 SUPPLEMENT TO
LIST OF A/E KEY PERSONNEL**

A. Project Manager	<p>Jacobs Ken Houghton, P.E. 2705 Bee Cave Road, Suite 300 Austin, Texas 78704 512-314-3164 ken.houghton@jacobs.com</p>
B. Design Director (Sub-Consultant)	<p>STG (Sub-Consultant) Robert Lambert, AIA 828 W 6th St #300 Austin, TX 78703 512.899.3500 rlambert@stgdesign.com</p>
C. Principal-in-Charge	<p>Jacobs Craig McCurley, P.E. 911 Central Pkwy N. #425 San Antonio, TX 78232 210-403-6305 Craig.McCurley@jacobs.com</p>
D. Senior Office Building Design	<p>Jacobs Leonardo Diaz, AIA, LEED AP 2301 Chestnut Street Philadelphia, PA 19103 215.751.2846 Leonardo.diaz@jacobs.com</p>
E. Parking Specialist	<p>Jacobs David White, PE 2705 Bee Cave Road, Suite 300 Austin, Texas 78704 817.347.7940 David.white@jacobs.com</p>
F. Central Utility Plant / Infrastructure Specialist	<p>Jacobs Kevin Fox, PE, CEM, LEED AP 2705 Bee Cave Road, Suite 300 Austin, Texas 78704 817.347.7600 Kevin.fox@jacobs.com</p>

G. City of Austin Liaison (Sub-Consultant)	Garza EMC (Sub-Consultant) Rudy Garza 7708 Rialto Blvd., Suite 125 Austin, Texas 78735 512.971.3510 rgarza@garzaemc.com
H. Project Designer (Sub-Consultant)	STG (Sub-Consultant) Richard Grandt 828 W 6th St #300 Austin, TX 78703 512.899.3500 rgrandt@stgdesign.com
I. Project Architect	Jacobs Nathan Carruth, AIA, LEED AP 2705 Bee Cave Road, Suite 300 Austin, Texas 78704 817.347.5393 Nathan.carruth@jacobs.com
J. Interior Designer (Sub-Consultant)	STG (Sub-Consultant) Shawn Dubiel, RID, AIA LEED AP 828 W 6th St #300 Austin, TX 78703 512.899.3500 sdubiel@stgdesign.com
K. Landscape Architect (Sub-Consultant)	Coleman & Associates (Sub-Consultant) Aan Garrett-Coleman, RLA, LEED AP 9890 Silver Mountain Drive Austin, TX 78737 512.476.2090 aan@colemanandassoc.com
L. Structural Lead, Buildings (Sub-Consultant)	Ensignt Haynes Whaley (Sub-Consultant) Mark Merryman, PE, LEED AP 4800 Sugar Grove Blvd, Suite 315 Stafford, TX 77477 512.306.9669 Mark.Merryman@cardno.com
M. Structural Lead, Garage	Ensignt Haynes Whaley (Sub-Consultant) Troy Jamail

(Sub-Consultant)	4800 Sugar Grove Blvd, Suite 315 Stafford, TX 77477 512.306.9669 Troy.jamail@hwaparking.com
N. Mechanical Lead	Jacobs Waylon Sodd, PE 911 Central Parkway North, Suite 425 San Antonio, TX 78232 210.403.6341 Waylon.sodd@jacobs.com
O. Electrical Lead	Jacobs Ladonna Davis, PE 777 Main Street Fort Worth, TX 76102 817.735.7138 Ladonna.davis@jacobs.com
P. Civil Lead (Sub-Consultant)	Garza EMC (Sub-Consultant) John Pelham, PE 7708 Rialto Blvd., Suite 125 Austin, Texas 78735 512.298.3284 jpelham@garzaemc.com
Q. Fire Protection Lead	Jacobs Shawn Yates, PE 777 Main Street Fort Worth, TX 76102 817.347.7944 Shawn.yates@jacobs.com
R. IT / Security Lead (Sub-Consultant)	Datacom Design Group (Sub-Consultant) Sean Doyle, RCDD 7600 Burnet Road, Suite 350 Austin, TX 78757 512.478.6001 SDoyle@datacomdesign.com

**TFC Contract No. 17-025-000
Jacobs Engineering Group Inc.
Amendment No. 2
Project No. 16-030-8060**

**Exhibit M-2
A/E's Amendment No. 2 Proposal for Additional Services and Fees dated May 17, 2018**

TFC Contract No 17-025-000

Exhibit M-1

Amendment No 2 - Additional Services/Fees

JACOBS

2705 Bee Cave Road Suite 300
Austin TX 78746
512-314 3100

May 17, 2018

Mark Diaz, RA, CTCM
Project Manager
Facilities Design & Construction
Texas Facilities Commission

**Subject: Additional Service Proposal – ASP 02
Austin Energy Dual Feed Modifications**

**Project: North Austin Complex
TFC Contract No.: 17-025-000**

Mr. Diaz,

Jacobs is pleased to present our proposal for additional services to modify the Contract Documents in order to accommodate Austin Energy's revised requirements for the dual feed to the site. The requirements were determined during a meeting with Austin Energy on April 24, 2018 (see Attachment C for meeting notes).

The scope of services includes:

Partial site redesign and utility coordination, site grading and drainage revisions, revisions to the electrical short circuit study, and revisions to twenty (20) Civil, Architectural, and Electrical drawings, in order to reflect the changes documented in the April 24, 2018 meeting with Austin Energy and as shown in the preliminary layout (Attachment D) prepared by Jacobs.

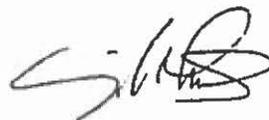
Fee: The services and deliverables required for the scope noted above will be provided for a lump sum fee of \$36,000 (thirty-six thousand dollars) as shown in the attached fee breakdown (Attachment A) and in conjunction with the Professional Services Agreement between Jacobs Engineering Group Inc and the Texas Facilities Commission.

It is our understanding Austin Energy has been informed of TFC's intention for the dual feed and we anticipate receipt of Austin Energy's design drawings by June 15, 2018. Jacobs will then issue revisions to Early Package One on August 6, 2018. This additional service does not impact the design schedule for Package Two. See attached schedule (Attachment B) for design deliverable adjustments.

Allowable reimbursable expenses incurred for this task will be submitted for payment against the base contract reimbursable budget. Therefore, there are no additional reimbursable expenses (associated with this task) are included in this proposal.

Jacobs greatly appreciates the opportunity to serve TFC on this project. Should you require clarification or have questions, please do not hesitate to contact me.

Sincerely,



TFC Contract No. 17-025-000

Exhibit M-1

2

Amendment No. 2 - Additional Services/Fees

Vanessa Rabe, AIA, RID
Project Manager

Craig McCurley, P.E.
Principal

Attachment A – Fee Breakdown
Attachment B – Revised Schedule
Attachment C – April 24, 2018 Austin Energy Meeting Notes
Attachment D – Preliminary Layout

Task List	Jacobs							Garza			Total Hours
	Project PM	Arch - Sr	Arch - Mid	Arch - Jr	Elec Eng - Sr	Elec Eng - Mid	Elec Eng - Jr	Civil Eng - Sr	Civil Eng - Mid	CAD Tech	
	PM, Programming, Mechanical, Plumbing, Fire Protection, Arch of Record, Electrical, Lab Planning, Cost Estimate							Civil Engineer			
Project Management	9										9
Civil											134
Site Grading/Drainage Area Calculations								4	8		
Site Design/ Utility Coordination								12	24		
Revise 10 Drawings								8	20	58	
Architectural											16
Revise 3 Drawings		4	12								
Electrical											84
Meetings with Ausan Energy					4						
Short Circuit Study					1	2					
Revise 7 Drawings					13	24	40				
Quality Control	4	1	3					2	4	12	26
Hours	13	5	15	0	18	26	40	28	56	70	269
Rates (exhibit K base contract x multi)	\$153	\$209	\$153	\$87	\$191	\$145	\$95	\$191	\$145	\$95	
Sub-total	\$16,278							\$19,722			\$36,000

total

ATTACHMENT B

CURRENT SCHEDULE

50% CD (GMP) (EP1 UG Util/Demo/Grading/Piers)			
TFC Review	3 wks	2/12/2018	3/2/2018
Jacobs submit comment responses	1 wk	3/5/2018	3/9/2018
Issue EP1 IFC	6 wks	2/12/2018	3/23/2018
CMR/PCR Initial Pricing	3 wks	2/12/2018	3/2/2018
CMR/PCR Pricing Reconciliation	1 wk	3/5/2018	3/9/2018
NOA	0 days	3/9/2018	3/9/2018
75% CD			
TFC Review	3 wks	4/23/2018	5/11/2018
Jacobs submit comment responses	1 wk	5/14/2018	5/18/2018
NOA	0 days	5/18/2018	5/18/2018
100% CD			
TFC Review	3 wks	6/4/2018	6/22/2018
Jacobs submit comment responses	1 wk	6/25/2018	6/29/2018
NOA	0 days	6/29/2018	6/29/2018
100% IFC	12 days	7/2/2018	7/17/2018

PROJECTED SCHEDULE IMPACT MOVING BUILDING 10' EAST

50% CD (GMP) (EP1 UG Util/Demo/Grading/Piers)			
TFC Review	3 weeks	2/12/2018	3/2/2018
Receive TFC Comments		3/2/2018	3/2/2018
Jacobs submit comment responses	1	3/5/2018	3/9/2018
NOA to Move Building 10' East and Issue EP1 IFC	0 days	2/23/2018	2/23/2018
Coordinate Revit Model for All Disciplines	1	2/26/2018	3/2/2018
Revise Architectural Site Plan (Includes	1	3/5/2018	3/9/2018
Revise Civil Sheets and Coordinate with LS	3	3/12/2018	3/30/2018
Revise all Discipline Sheets	6	3/5/2018	4/13/2018
QC	1	4/16/2018	4/20/2018

DOES NOT INCLUDE ADDITIONAL CMR PRICING
DOES NOT INCLUDE ADDITIONAL OWNER REVIEW

Issue EP1 IFC	0 days	4/23/2018	4/23/2018
CMR/PCR Initial Pricing	3	2/12/2018	3/2/2018
CMR/PCR Pricing Reconciliation	1	3/5/2018	3/9/2018
Dual Electrical Feed Redesign			
Receive Austin Energy Dual Feed Design	0	6/15/2018	6/15/2018
Revise Affected EP1 Sheets	6	6/18/2018	7/27/2018
QC	1	7/30/2018	8/3/2018
Issue Revised EP1 Sheets		8/6/2018	8/6/2018

75% CD			
TFC Review	3	5/14/2018	6/1/2018
Jacobs submit comment responses	1	6/4/2018	6/8/2018
NOA	0 days	6/8/2018	6/8/2018
100% CD			
TFC Review	3	7/23/2018	8/10/2018
Jacobs submit comment responses	1	8/13/2018	8/17/2018
NOA	0 days	8/20/2018	8/20/2018
100% IFC	12 days	8/20/2018	9/4/2018

MEETING NOTES – Coordination

Thursday, April 24, 2018 10am-11am

Location: Austin Energy, 2500 Montopolis Dr., Austin, TX 78741

PARTICIPANTS

Texas Facilities Commission (TFC)

- Mark Diaz
- Prince Chavis

Jacobs Design Team

- Adrian Lozano, P.E. (Jacobs)
- Kenny Houghton, P.E. (Jacobs)

Austin Energy (AE)

- Bob Seaver, P.E.
- Elizabeth Kasprovicz
- Stephen Harrison
- Ralph Daniel, P E

Vaughn Construction

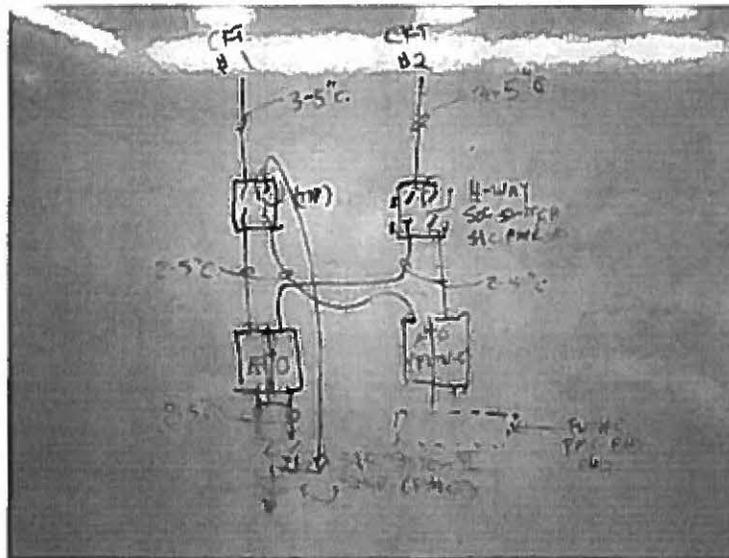
- Steve Simpson

AGENDA

- Clarify AE's electric service to the TFC North Austin Campus, including design responsibilities for both TFC and AE as well as costs for both Phase 1 and Phase 2. Delineate Phase 1 inclusions and deferrals to Phase 2.

ITEMS DISCUSSED:

1. The proposed configuration for Phase 1 includes:
 - a. Two (2) primary circuits (KL-3 and JL-5) to two (2) separate four-way switches (S&C Model # PME-10). Each PME-10 requires a 6'x7' concrete pad.
 - b. From each PME-10, a primary and secondary feeder will be extended to one (1) Automatic Throw-Over Switch (ATO) to be installed in Phase 1. The second ATO and its primary and secondary feeders will be deferred to Phase 2. Both ATO concrete pads (10'x10') will be installed in Phase 1.
 - c. Two (2) feeders will extend from the Phase 1 ATO to a Primary Metering Cabinet (PMC).
 - d. Two (2) new riser poles will be installed at 51st St.
 - e. A ductbank along East Guadalupe, from 51st St. to the project site with 6 - 5" conduits. Two conduits will extend partially up each riser pole. The two (2) remaining spare conduits will terminate in the first manhole at 51st St. and be capped.
 - f. The following picture indicates the proposed AE electrical installation described in items (a) through (c) above:



Austin Energy Meeting

2. The table below summarizes the items to be installed in Phase 1 and the responsible party for each:

Item	Designed By	Procured By	Installed By	Paid By
Primary Feeders in Ductbank to PMEs	AE	AE	AE	TFC (impact fee)
Riser Poles (2 Total)	AE	AE	AE	TFC (impact fee)
Concrete Ductbank (6-5' Conduits)	AE	Vaughn	Vaughn	TFC
6'x12' Elec. Manholes (4 Total)	AE	Vaughn	Vaughn	TFC
4-Way Switches PME-10 (2 Total)	AE	AE	AE	AE
PME-10 6'x7' pads (2 Total)	AE	Vaughn	Vaughn	TFC
ATO Switch (1 Total)	AE	AE	AE	TFC (impact fee)
ATO 10'x10' concrete pads (2 Total)	AE	Vaughn	Vaughn	TFC
All Feeders from PMEs to ATO to PMC	AE	AE	AE	TFC (impact fee)
Phase 1 PMC (2) and concrete pads (2)	Jacobs	Vaughn	Vaughn	TFC
Totalizing Meter Can	Jacobs	Vaughn	Vaughn	TFC
Totalizing Meter	AE	AE	AE	TFC (impact fee)

3. KL-3 is currently at 51st St. and East Guadalupe. JL-5 is currently at 183 and N. Lamar and will be brought to 51st St. There is an approximately 2-3 month design duration and 10-12 month construction duration that needs to be performed by AE. The impact fee for this work will not be known until the design is completed.
4. Each PME requires clearance of 5' on three (3) sides and 10' in front.
5. AE will install a temporary power pole further north than previously planned in order to make room for the two (2) new PME-10, 4-way switches.
6. The PME-10s will be installed in the City of Austin R.O.W., between the temporary power pole and the existing drive on East Guadalupe.
7. A temporary power permit will be required from AE. Stephen Harrison will provide AE contact information for permit to Steve Simpson.
8. Stephen Harrison will advise Steve Simpson if Spectrum can piggy back on temporary power pole.
9. Stephen Harrison to advise if the easement required for this project can be attached to the same blanket easement for the Winters Building that TFC has already granted.
10. AE to send metering contact information (Joey Hernandez) to Adrian Lozano.
11. AE to send Vaughn ductbank details, PME concrete pad details, ATO concrete pad details and electric manhole details.
12. Adrian to send Phase 1 PMC plans and specifications to AE System Engineering (Abdur Rahman & Ryan Maybin) for their review and approval.
13. Jacobs to redesign the medium voltage switchgear lineup in the Central Utility Plant (CUP) to accommodate Phase 1 campus loads only. Space provisions will be made in the CUP to accommodate a future Phase 2 medium voltage switchgear lineup to serve Building's B & C and their corresponding parking garages.

The statements made in this Meeting Report are the author's understanding of the discussions recorded. Attendees are requested to review the documented statements and provide corrections in writing within (5) calendar days of the distribution date. If corrections are not received before the next meeting, this report will be assumed to be true and accurate by all attendees.

Written by: Adrian Lozano, P.E. – Jacobs
Submitted on April 24, 2018

TFC Contract No. 17-025-000

Exhibit M-1

Amendment No. 2 - Additional Services/Fees

Texas Facilities Commission -- North Austin Complex

Austin Energy Meeting

Attachments:

- None

Distribution (email):

- Attendees
- Curtis Williams
- Vanessa Rabe
- Jane Baughman



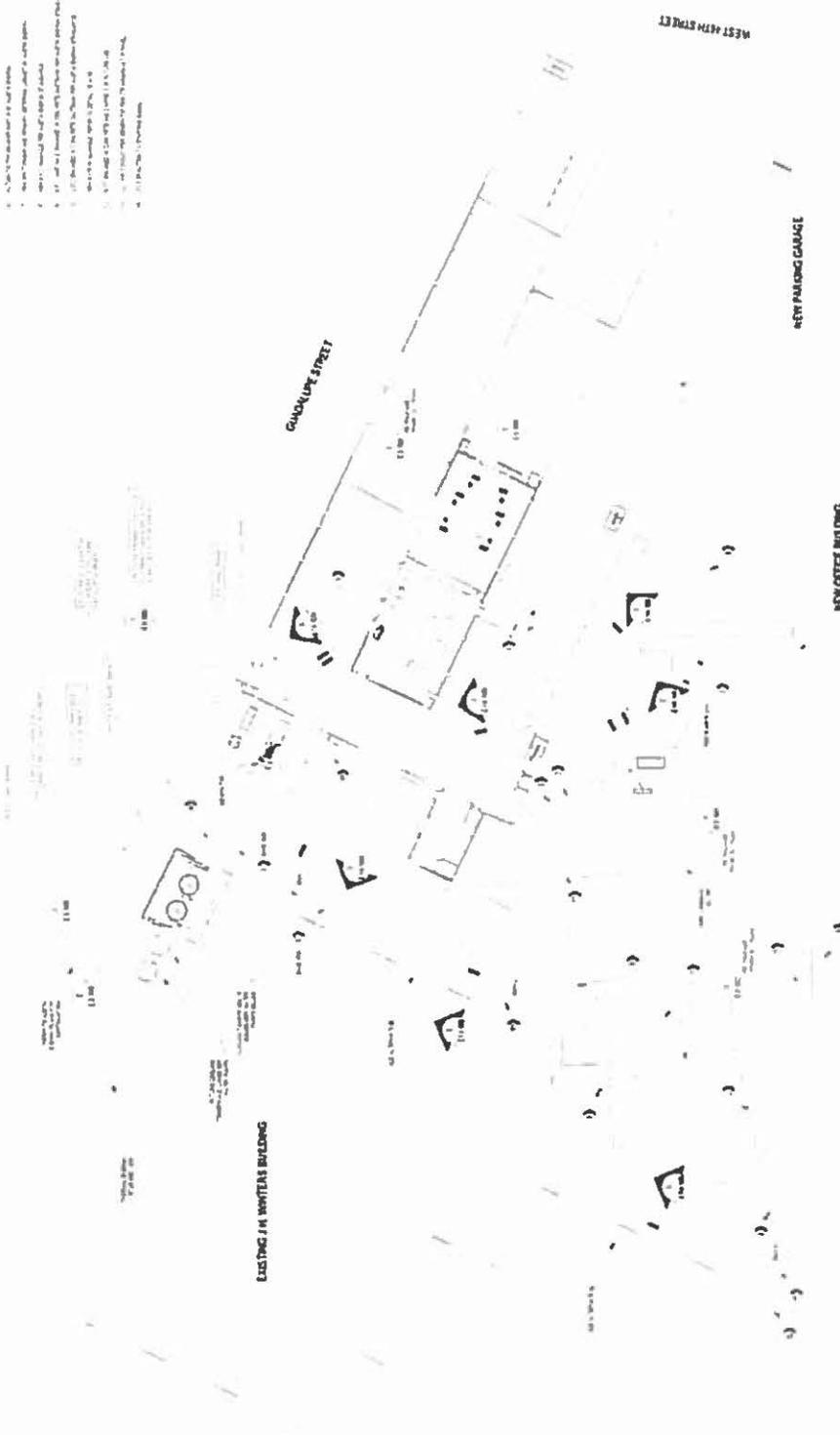
GENERAL NOTES

- 1. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).
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ATTACHMENT D



TFC - NORTH AUSTIN COMPLEX
(TFC - NAC)
 TEXAS FACILITIES COMMISSION
 4601 WEST QUADROPOLE
 AUSTIN, TEXAS 78751

ELECTRICAL SITE PLAN

ELECTRICAL SITE PLAN

EZ-100



GENERAL NOTES

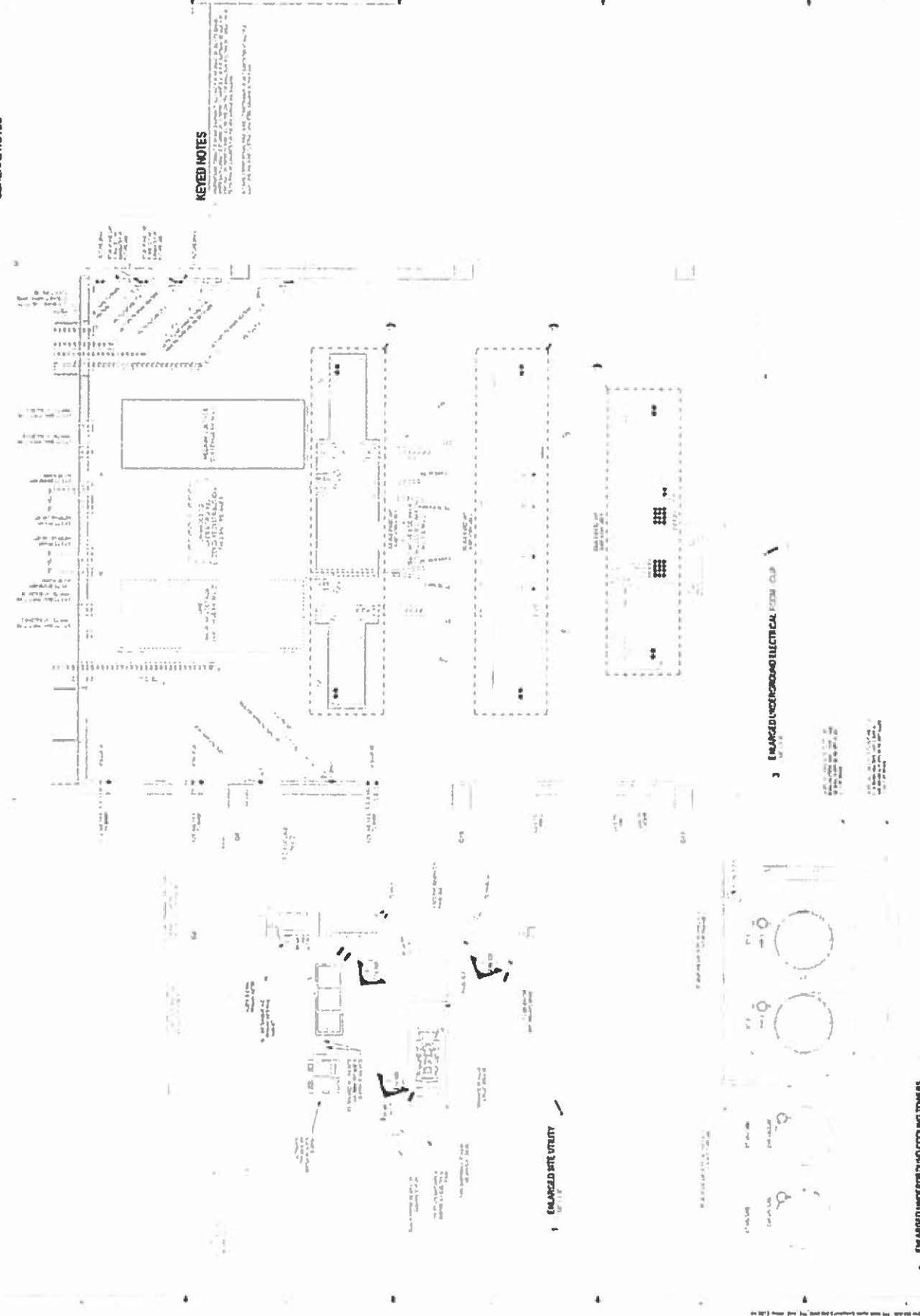
KEYED NOTES

TFC - NORTH AUSTIN COMPLEX
(TFC - NAC)

TEXAS FACILITIES COMMISSION
4601 WEST GUADALUPE
AUSTIN, TEXAS 78751

SITE ENLARGED PLANS
POWER

E3-100



3 ENLARGED UNDERGROUND ELECTRICAL FROM GUP

1 ENLARGED SITE UTILITY

2 ENLARGED UNDERGROUND OCCUPANT TOWER



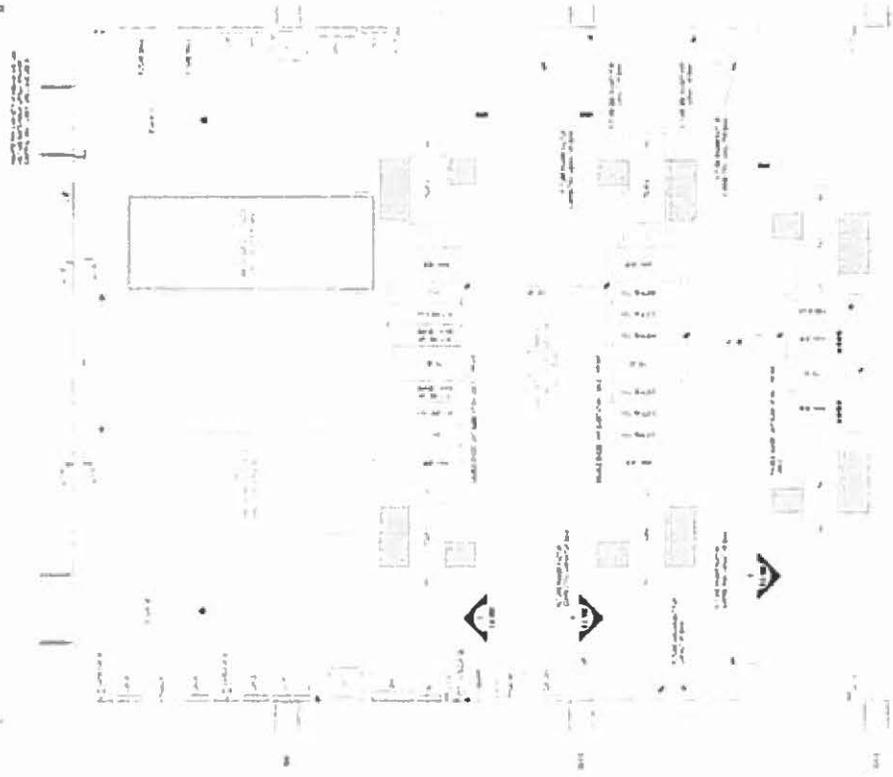
DATE: 08/11/10

PROJECT: TFC - NORTH AUSTIN COMPLEX
DRAWING: ELECTRICAL RING
SCALE: AS SHOWN

TFC - NORTH AUSTIN COMPLEX (TFC - NAC)

TEXAS PACKAGES COMMISSION
4601 WEST GUADALUPE
AUSTIN, TEXAS 78751

CHANGE BALANCED PANELS
- POWER
IE3-103



2 ENLARGED COUPLING TOWERS

1 ENLARGED MAIN ELECTRICAL ROOM - CUP