



**REVIEW BY FORT BEND COUNTY  
COMMISSIONERS COURT**

**Fort Bend County  
Engineering Department**  
301 Jackson Suite 401  
Richmond, Texas 77469  
281.633.7500  
Permits@fortbendcountytexas.gov

Right of Way Permit  
 Commercial Driveway Permit  
Permit No: 2017-11286

**Applicant:** Crown Castle NG Central LLC/Shift Companies

**Job Location Site:** 8402 1/2 S Fry Road, Katy, TX 77494

**Bond No.**                      **Date of Bond:** 5/12/2014 **Amount:** \$50,000.00

The above applicant came to make use of certain Fort Bend County property subject to, "The Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Chapter 181, Vernon's Texas Statutes and Codes Annotated.

**Notes:**

1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
  - a. 48 hours in advance of construction start up, and
  - b. When construction is completed and ready for final inspection, submit notification to Permit Administrator thru MyGovernmentOnline.org portal.
3. This permit expires one (1) year from date of permit if construction has not commenced.

On this 24th day of January, 2017, Upon Motion of Commissioner Meyers, seconded by Commissioner Patterson, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

**Signature**

By: Charles O. Ay  
for County Engineer

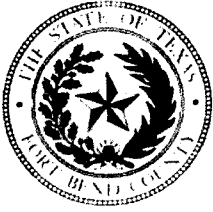
By: N/A  
Drainage District Engineer/Manager

Presented to Commissioners Court and approved.

Date Recorded 2-14-17 Comm. Court No. 15R

Clerk of Commissioners Court

By: Arinda Walker  
Deputy



**PERMIT APPLICATION REVIEW FORM FOR  
CABLE, CONDUIT, AND POLE LINE ACTIVITY  
IN FORT BEND COUNTY**

**Fort Bend County  
Engineering Department**  
301 Jackson Suite 401  
Richmond, Texas 77469  
281.633.7500  
Permits@fortbendcountytx.gov

- Right of Way Permit  
 Commercial Driveway Permit

Permit No: 2017-11286

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

**(1) COMPLETE APPLICATION FORM:**

- a. Name of road, street, and/or drainage ditch affected.  
 b. Vicinity map showing course of directions  
 c. Plans and specifications

**(2) BOND:**

- County Attorney, approval when applicable.
- Perpetual bond currently posted.      Bond No:                           Amount: \$50,000.00
- Performance bond submitted.      Bond No:                           Amount:
- Cashier's Check      Check No:                           Amount:

**(3) DRAINAGE DISTRICT APPROVAL (WHEN APPLICABLE):**

\_\_\_\_\_  
Drainage District Approval

\_\_\_\_\_  
Date

**We have reviewed this project and agree it meets minimum requirements.**

*Charly O. AJ*

\_\_\_\_\_  
Permit Administrator

*11/17/17*

\_\_\_\_\_  
Date



**CROWN CASTLE**  
 CROWN CASTLE  
 1200 AUGUSTA DR  
 SUITE 300  
 HOUSTON, TX 77057

RECORD DRAWING(S) SHEET DATE: 10/16/15

RECORD DRAWING DRAFTING ONLY



SHIFT Companies, LLC  
 7110 EAST PARK BLVD  
 SUITE 100  
 HOUSTON, TX 77074  
 PH: 281.424.1800

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RELEASE	DATE	BY
15/10/15	15/10/15	15/10/15

REVISIONS	NO.	DATE	DESCRIPTION

PROJECT NAME  
**CINCO RANCH EXPANSION**

NODE ADDRESS  
**NODE #CCR-21**  
**FRY RD AND**  
**CRESTFORD PARK LANE**

HUB AREA  
**CINCO RANCH - HGCV**

SHIFT JOB NUMBER  
**150602**

SHEET TITLE  
**TITLE SHEET**

SHEET NUMBER  
**T1.1**

PAGE  
**1 OF 14**

SHEET #	TITLE DESCRIPTION	PAGE
T1.1	TITLE SHEET	1
T1.2	GENERAL NOTES, ABBREVIATIONS AND SYMBOLS	2
T1.3	EQUIPMENT SPECIFICATIONS	3
T1.4	CONSTRUCTION DETAILS	4
A1.1	SITE PLAN, EQUIPMENT AND ANTENNA PLAN	5
A1.2	POLE ELEVATION, PROPOSED	6
A1.3	CONSTRUCTION DETAILS	7
E1.0	ELECTRICAL PLANS	8
E1.1	ELECTRICAL PLANS	9
E1.2	ELECTRICAL PLANS	10
E1.3	ELECTRICAL PLANS	11
E1.4	ELECTRICAL PLANS	12
E1.5	ELECTRICAL PLANS	13
E1.6	ELECTRICAL PLANS	14

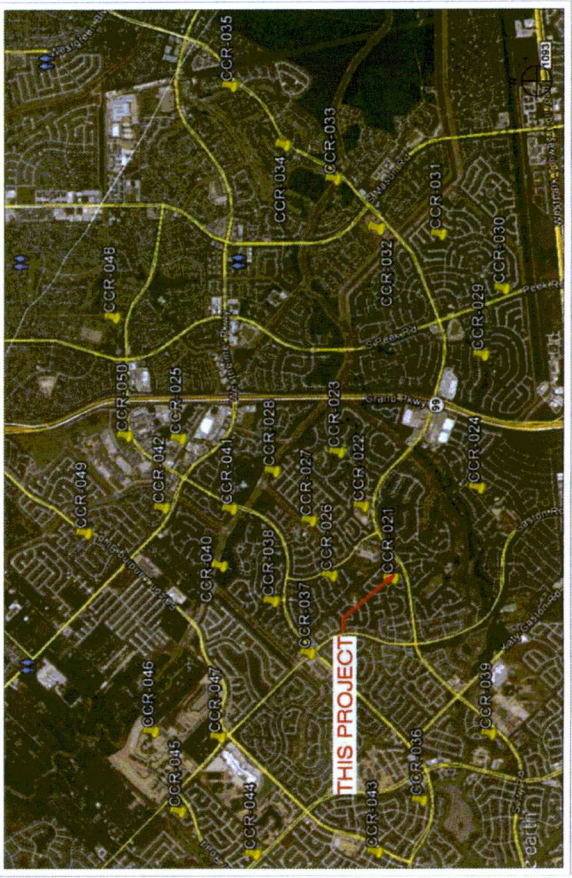
**FORT BEND COUNTY ENGINEER**  
 Richard W. Stokes, P.E.  
 DATE: 11/17/16  
 THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN 111 YEAR FROM DATE OF APPROVAL.  
 APPROVED: [Signature]  
 DATE: 11/17/16

TEAM MEMBER REVIEW	REVIEWED DATE
RF ENGINEERING	
PRODUCT MANAGEMENT	
NETWORK REAL ESTATE TEAM	
UTILITY TEAM	
IMPLEMENTATION	
OPERATIONS	

# CROWN CASTLE

**PROJECT NAME:** CINCO RANCH EXPANSION  
**PROJECT ADDRESS:** FRY RD AND CRESTFORD PARK LANE  
**PROJECT TYPE:** BLACK DECORATIVE SLIMLINE POLE  
**HUB AREA:** CINCO RANCH - HGCV  
**NODE #(s):** CCR-21  
**COORDINATES:** LAT: 29.716665, LONG: -95.793587

OVERALL NODE LOCATION MAP



PROJECT SUMMARY	
<b>APPLICANT:</b> CROWN CASTLE 1200 AUGUSTA DR HOUSTON, TX 77057 CONTACT: BARRY CAMPBELL	<b>CODES:</b> 2008 INTERNATIONAL BUILDING CODE (IBC) 2008 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2008 NATIONAL ELECTRICAL SAFETY CODE (NESEC)
<b>PROJECT AREA:</b> CINCO RANCH - HGCV	<b>PLUMBING REQUIREMENTS:</b> FACILITY HAS NO PLUMBING.
<b>JURISDICTION:</b> FORT BEND COUNTY ENGINEERING DEPT. HOUSTON, TX 77471 PH: 281.632.7500 CONTACT: JOHNNY ORTEGA	<b>POWER COMPANY:</b> CENTERPOINT ENERGY 5481 HIGHWAY BLVD KATY, TX 77494 PH: 281.350.6075 CONTACT: AER CORTEZ
<b>HANDICAPPED REQUIREMENTS:</b> FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION	<b>HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED</b>

PROJECT TEAM	
<b>ARCHITECT:</b> SHIFT CONSULTING Company: 7033 E. MONTE VISTA RD Address: SCOTT'S DALE, AZ 85267 Phone Number: 480.294.0163 Fax Number: 480.294.0163 Contact: CHRIS MYERS	<b>OWNER INFO:</b> Company: CROWN CASTLE Address: 1200 AUGUSTA DR HOUSTON, TX 77057 Phone #: 817.440.3113 Email: BARRY.CAMPBELL@CROWNCASTLE.COM Contact: BARRY CAMPBELL
<b>STRUCTURAL:</b> T.B.D.	<b>RF ENGINEER:</b> Company: CROWN CASTLE Address: 1200 AUGUSTA DR HOUSTON, TX 77057 Phone Number: [Blank] Fax Number: [Blank] Contact: [Blank]
<b>FIBER ENGINEERING:</b> Company: TDCI Address: 710 EAST PARK BLVD. SUITE 110 RYAN, TX 75074 Phone: 972.423.9900 Email: scott@tdci.com Contact: SCOTT CRUM	

**PROJECT DESCRIPTION**  
 CROWN CASTLE PROPOSES TO PROVIDE AN ENHANCED RESIDENTIAL WIRELESS COMMUNICATIONS SYSTEM FOR THE KATY, TEXAS AREA. THE SYSTEM WILL IMPROVE CELLULAR COMMUNICATIONS AND INCREASE CALL CAPACITY. THE NETWORK AND ASSOCIATED EQUIPMENT HAVE BEEN DESIGNED TO MINIMIZE VISUAL IMPACTS IN URBAN SETTINGS. THE PROPOSED SYSTEM WILL PROVIDE A CELLULAR NETWORK THAT CAN BE UTILIZED SIMULTANEOUSLY BY DIFFERENT LICENSED TELECOMMUNICATIONS COMPANIES.  
 A SUBJECT NODE WILL CONSIST OF ONE METAL SLIMLINE POLE. THEY WILL HAVE GROUND MOUNTED RADIO EQUIPMENT INSIDE A CABINET WITH A METER AND DISCONNECT ATTACHED. THERE WILL ALSO BE POLE TOP ANTENNAS CONCEALED IN SPOUGES.

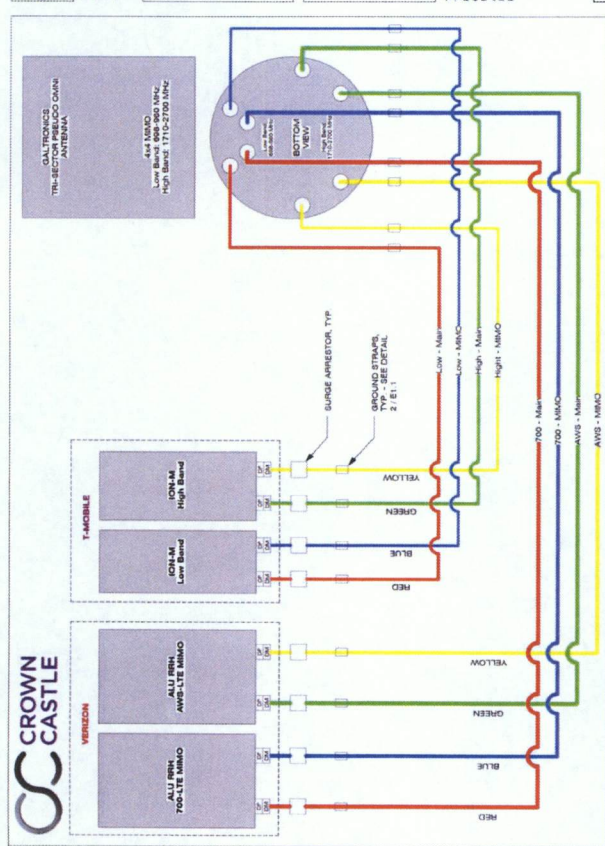


### Cinco Ranch Expansion 700 RRH Specifications

Frequency Band	700 MHz
Technology	LTE FDD
RF Output Power	200W (200W configurable)
Operational Range	US: 1900-1930 MHz
Inductance BW	200 MHz
RF Configuration	2x2 MIMO (max 7)
Instances	1.6 A, 1x motor ports
Power	200W typical @ 50 RF load
Environmental	0 to 55 °C
Connectors	DIN 716

### Cinco Ranch Expansion AWS RRH Specifications

Frequency Band	800 MHz
Technology	LTE FDD
RF Output Power	200W (200W configurable)
Operational Range	US: 1900-1930 MHz
Inductance BW	200 MHz
RF Configuration	2x2 MIMO (max 7)
Instances	1.6 A, 1x motor ports
Power	200W typical @ 50 RF load
Environmental	0 to 55 °C
Connectors	DIN 716



### RADIO SPECIFICATIONS

2C2UT160X12F-xyz0

TELECOM BAND | FREQUENCY | CHANNEL | BANDWIDTH | MAX. TRANSMITTED POWER | CHANNEL SPACING | CHANNEL NUMBER | CHANNEL NUMBER RANGE

2C2UT160X12F-xyz0	1920-1980 MHz	1920 MHz	60 MHz	200W	15 kHz	1920	1980
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**Features**

- Power Class: 200W
- Antenna: 1.6 A, 1x motor ports
- Instances: 1.6 A, 1x motor ports

**Connector Description**

The connector has 2 connections located at the bottom, with 16 pins in a 2x8 pin configuration.

**Electrical Characteristics**

Parameter	Value
Frequency Band	1920-1980 MHz
Power	200W
Temperature	0 to 55 °C

**Mechanical Characteristics**

Weight	12.2 kg
Dimensions	481.5 x 168.0 x 114.3 mm
Mounting	1.6 A, 1x motor ports

### EQUIPMENT CABINET SPECIFICATIONS

APPROVED: [Signature]

DATE: 11/11/16

Deployment Coordinator

SCALE N T S 20

**CROWN CASTLE**  
12000 WINDY HOLLOW DRIVE  
SUITE 300  
ARLINGTON, TX 76010

RECORD DRAWING ISSUE DATE: 10/18/16

**SHIFT**  
SHI CORPORATION, LLC  
5000 WINDY HOLLOW DRIVE  
SUITE 300  
ARLINGTON, TX 76010  
TEL: 817.442.1000  
FAX: 817.442.1001

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**RELEASE**

DATE	9/30/16
BY	RF CITY SUBMITTAL
DATE	10/18/16
BY	RF CITY SUBMITTAL

**REVISIONS**

NO.	DATE	COMMENTS
1	10/18/16	CITY COMMENTS

**PROJECT NAME**

**CINCO RANCH EXPANSION**

**HUB AREA**

**CINCO RANCH - HGCW**

**SHIFT JOB NUMBER**

**150602**

**IN HOUSE**

**CHECKED BY: CN**

**SHEET TITLE**

**EQUIPMENT SPECIFICATIONS**

**SHEET NUMBER**

**T1.3**

**3 OF 14**

**PAGE**

**11/11/16**

CASE # 150602  
PLOT SCALE: 1:10 (3/4" = 1'-0")

**SUBJECT POLE:** CCR-21  
**GPS COORDINATES:**  
**LAT:** 28.78660  
**LONG:** -95.70587  
**POLE TYPE:** BLACK DECOYIVE B-MINE POLE  
**POLE ID #**  
**UPPER ANTENNA HGT CENTER:** 35' - 0" A.F.G.  
**LOWER ANTENNA HGT CENTER:** 30' - 0" A.F.G.  
**APPROVED:** *[Signature]*  
 Development Coordinator  
**DATE:** 10/11/16

**CROWN CASTLE**  
 CROWN CASTLE  
 1500 WEST WALKER  
 IRVING, TX 75038  
 RECORD DRAWING ISSUE DATE: 10/11/16

**SHIFT**  
 Shift Companies, LLC  
 11111 WEST WALKER  
 IRVING, TEXAS 75038  
 PH: 972-244-0300  
 FX: 972-244-0301

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RELEASE DATE	SUBMITTAL
6.03.16	1ST CITY SUBMITTAL
10.18.16	2ND CITY SUBMITTAL

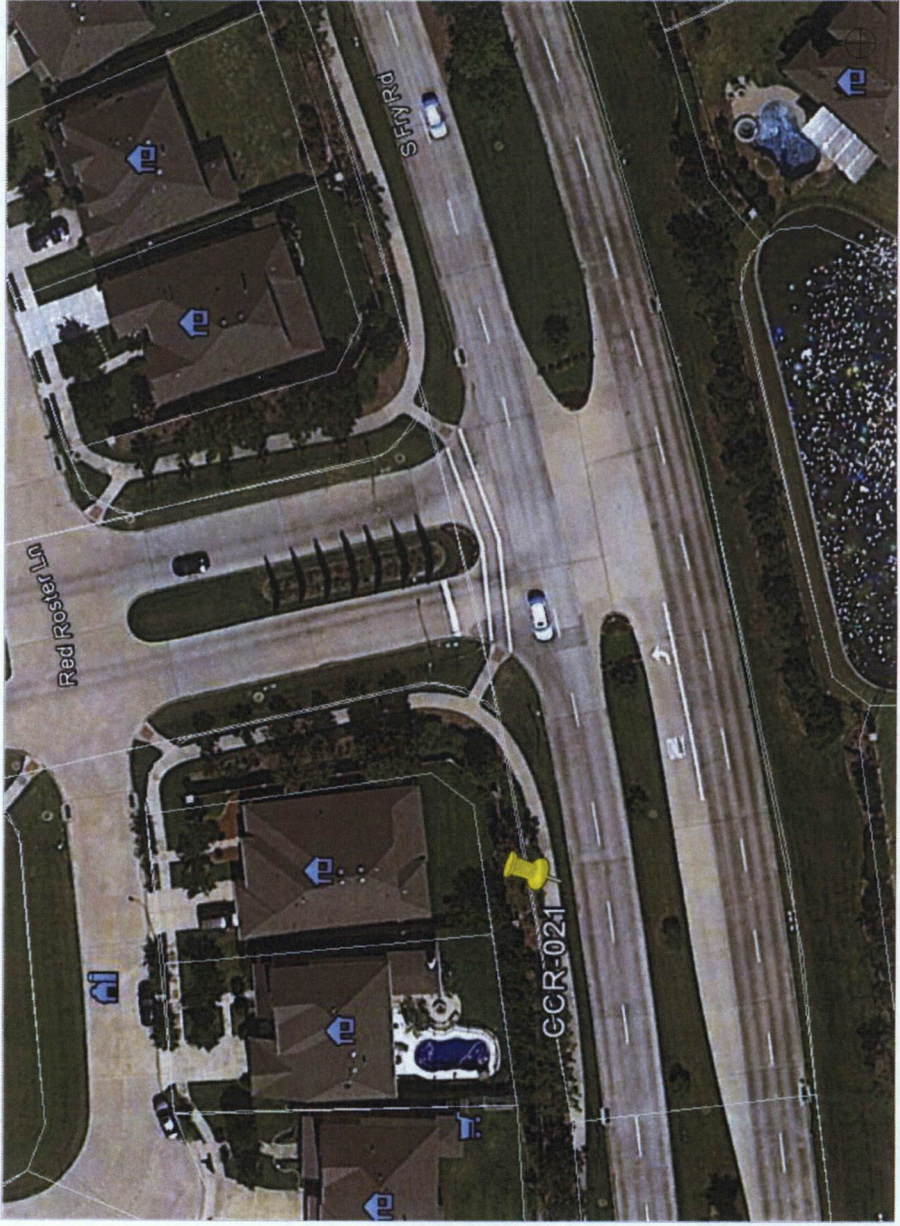
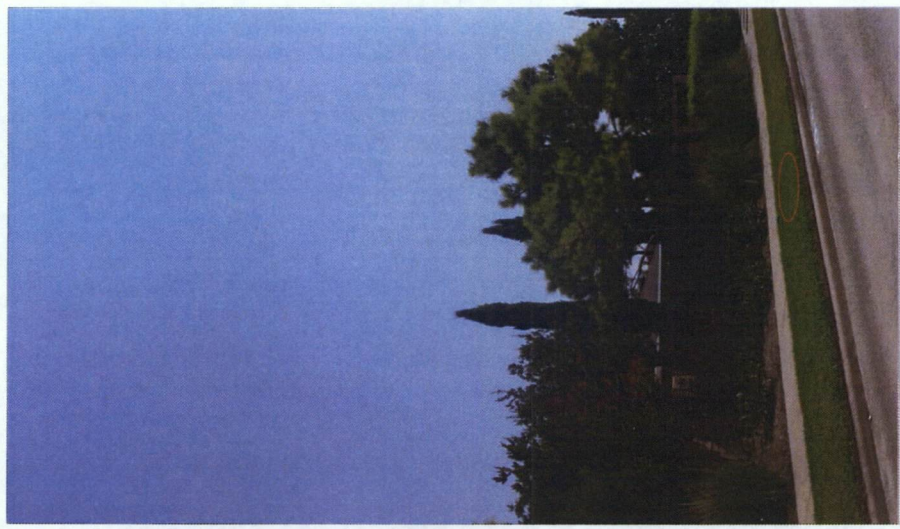
REVISIONS	DATE	COMMENT
1	10/17/16	CITY COMMENTS

**PROJECT NAME:**  
 CINCO RANCH EXPANSION

**NODE ADDRESS:**  
 NODE #:CCR-21  
 FRY RD AND  
 CRESTFORD PARK LANE

**HUB AREA:**  
 CINCO RANCH - HSCW  
**SHIFT JOB NUMBER:**  
 150602  
**DRAWN BY:** TM  
**CHECKED BY:** CM  
**SHEET TITLE:**  
 AERIAL

**SHEET NUMBER:** 4  
**PAGE:** 4 OF 14  
**PLANT SCALE:** 1" = 200'

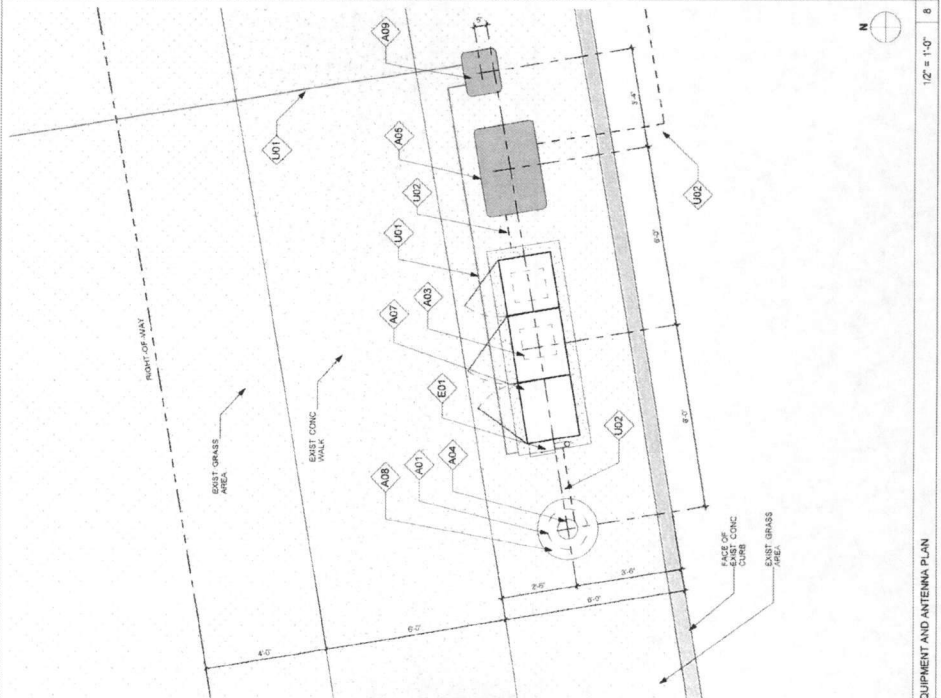


SITE PHOTO (EXISTING) NTS

NODE AERIAL PLAN

KEYNOTE	KEYNOTE DESCRIPTION	DETAIL
A01	PROPOSED CROWN CASTLE ON-AIR ANTENNA	1801.1
A02	PROPOSED CROWN CASTLE TOWER CONDUIT	2001.1
A03	PROPOSED CROWN CASTLE TOWER REMOTE RADIO UNIT	1801.1
A04	PROPOSED NEW METAL SKULINE POLE	3001.1
A05	PROPOSED CROWN CASTLE UNDERGROUND	5001.2
A06	PROPOSED CROWN CASTLE NODE IDENTIFICATION	2001.2
A07	PROPOSED CROWN CASTLE PER FOUNDATION	1801.1
A08	PROPOSED ELECTRICAL HAND-POLE	1201.1

KEYNOTE	KEYNOTE DESCRIPTION	DETAIL
E01	PROPOSED POWER METER MOUNTED TO EQUIPMENT CABINET, DISTRIBUTED PANEL, AND DISCONNECT	1801.1
U01	PROPOSED T-CROWN CASTLE LOG POWER METER MOUNTED TO EQUIPMENT CABINET, DISTRIBUTED PANEL, AND DISCONNECT	2001.1 & 4001.2
U02	PROPOSED CROWN CASTLE LOG POWER METER MOUNTED TO EQUIPMENT CABINET, DISTRIBUTED PANEL, AND DISCONNECT BY OTHERS (APPROXIMATE LOCATION, E.V.)	2001.1 & 4001.2



**GENERAL NOTES**

1. ANY PROPOSED GROUND EQUIPMENT A NATURAL, FAITH, OR OR CONTRACTOR TO FIELD LOCATE EXIST UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
2. EX. UNDERGROUND UTILITIES ARE SHOWN AS APPROXIMATE. CONTRACTOR TO FIELD LOCATE EXIST UNDERGROUND UTILITIES AND REPLACE WITH A LIKE SIZE AND SPECIE.
3. CONTRACTOR TO FIELD LOCATE EX. UNDERGROUND UTILITIES AND REPLACE WITH A LIKE SIZE AND SPECIE.
4. CONTRACTOR TO FIELD LOCATE EX. UNDERGROUND UTILITIES AND REPLACE WITH A LIKE SIZE AND SPECIE.
5. VERIFY ALL PROPERTY LINE INFORMATION WITH AVAILABLE A.S.D. DATA.
6. VERIFY ALL INFORMATION TO BE SHOWN ON PLANS ARE APPROXIMATE ONLY (PERMITS BY LOCAL UTILITIES).
7. VERIFY ALL INFORMATION TO BE SHOWN ON PLANS ARE APPROXIMATE ONLY (PERMITS BY LOCAL UTILITIES).

**SUBJECT POLE:** CCR-21  
**GPS COORDINATES:**  
**LAT:** 33.716667  
**LONG:** 105.709887  
**POLE TYPE:** BLACK DECATUR BLANK LINE POLE  
**UPPER ANTENNA HGT. CENTER:** 32'-0" A.U.F.G.  
**LOWER ANTENNA HGT. CENTER:** 30'-0" A.U.F.G.  
**SUBJECT POLE IS LOCATED IN:** FORT BEND COUNTY, TX

APPROVED: *[Signature]*  
 Development Coordinator

DATE: \_\_\_\_\_



**SHIFT**

Shift Companies, LLC  
 7311 West 107th Road  
 Overland Park, Kansas 66212  
 Tel: 913.241.1400  
 Fax: 913.241.1400

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RELEASE	DATE	BY
SUBMITTAL	03/11/16	1ST CITY SUBMITTAL
	10/18/16	2ND CITY SUBMITTAL

NO.	DATE	COMMENT
1	10/17/16	CITY COMMENTS

**PROJECT NAME:** CINCO RANCH EXPANSION  
**PROJECT ADDRESS:** NODE #CCR-21  
**FRY RD AND CRESTFORD PARK LANE**

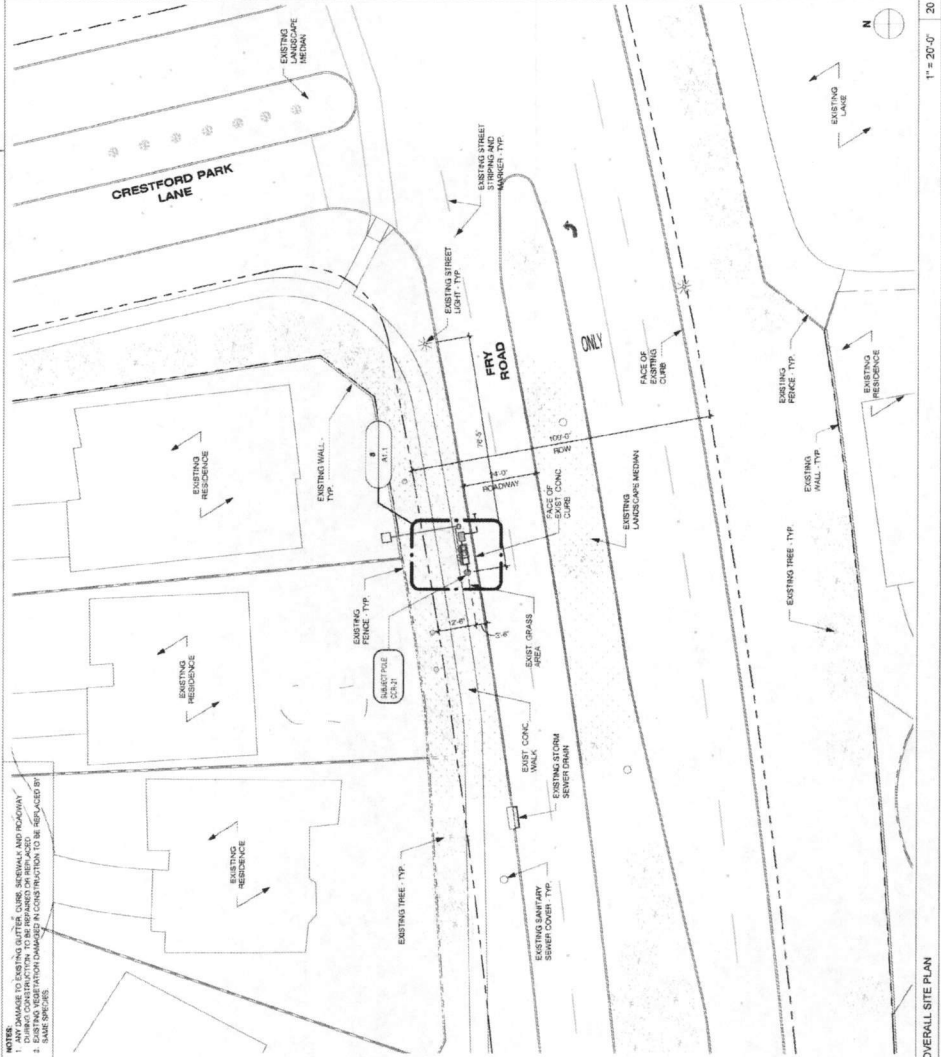
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**IN HOUSE:** RA  
**DRAWN BY:** CM  
**CHECKED BY:** CM

**SHEET TITLE:** SITE PLAN, EQUIPMENT AND ANTENNA PLAN

**SHEET NUMBER:** A1.1  
**PAGE:** 5 OF 14

**PLANT CHECK #:** \_\_\_\_\_

**SCALE:** 1" = 20'-0"



**KEYNOTE LEGEND**

**KEYNOTE DESCRIPTION** **DETAIL**



**KEYNOTE LEGEND**

**KEYNOTE DESCRIPTION** **DETAIL**



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RELEASE	DATE	SUBMITTAL
	9/23/16	1ST CITY SUBMITTAL
	10/18/16	2ND CITY SUBMITTAL

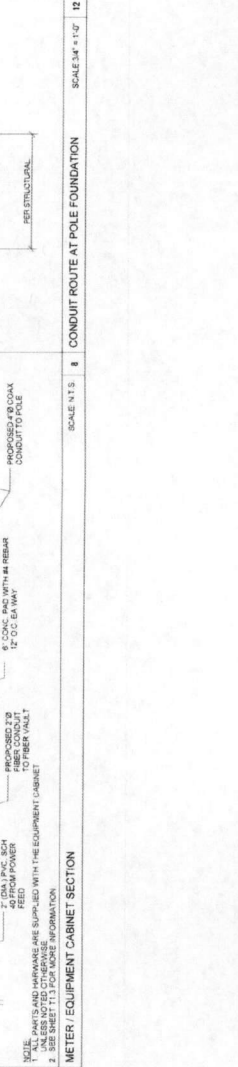
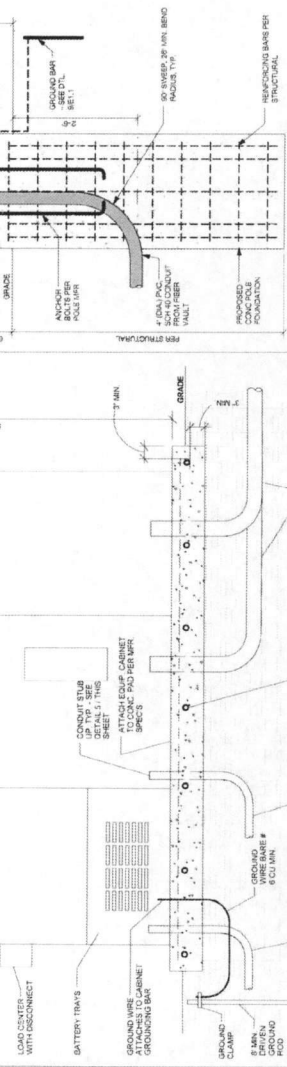
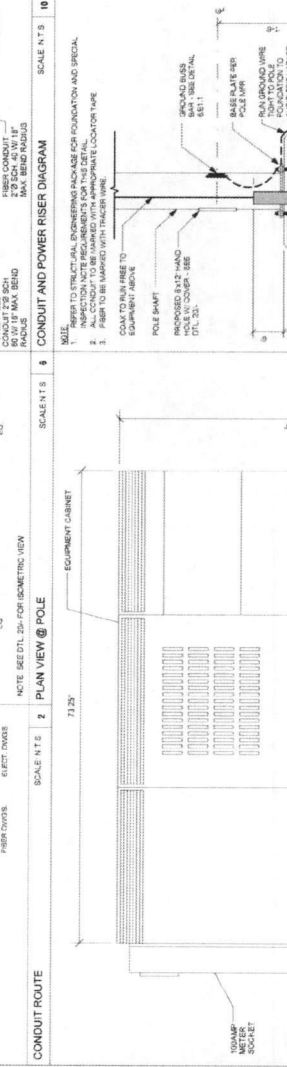
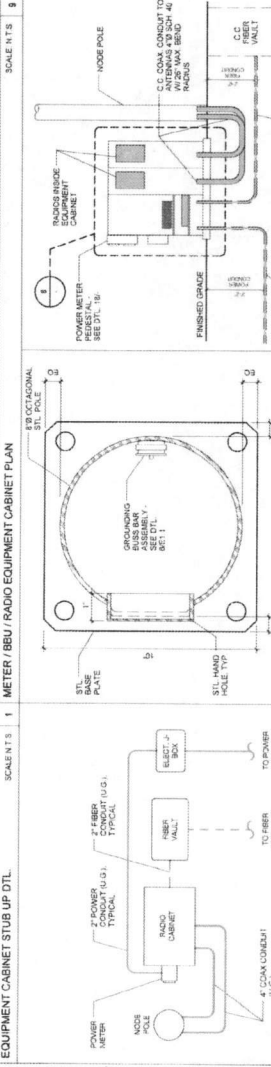
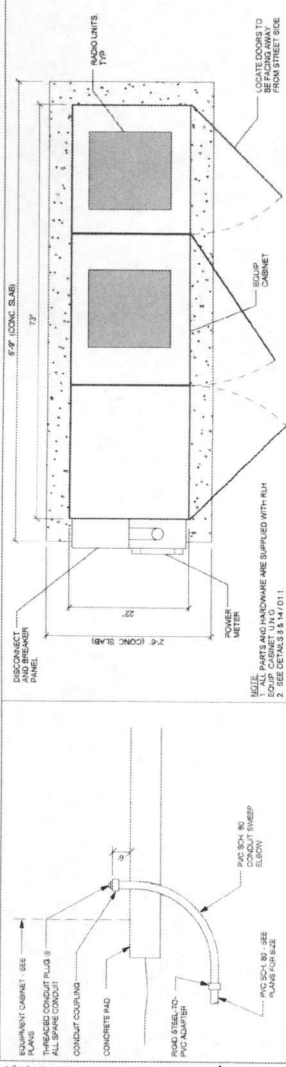
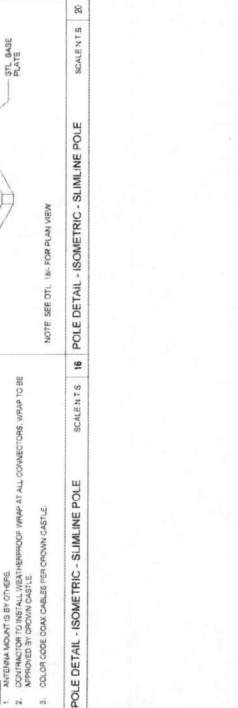
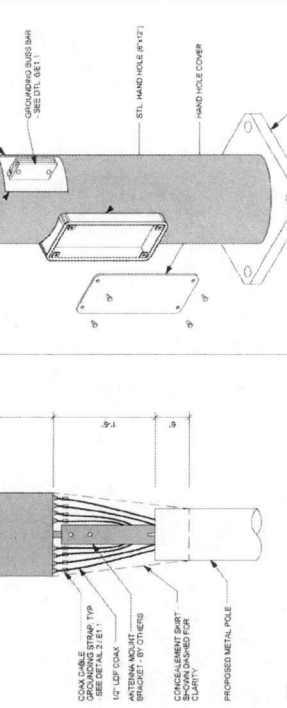
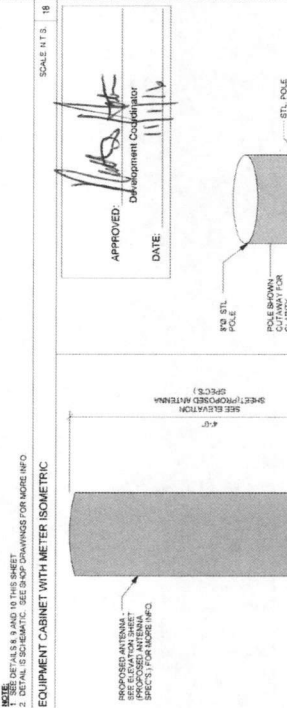
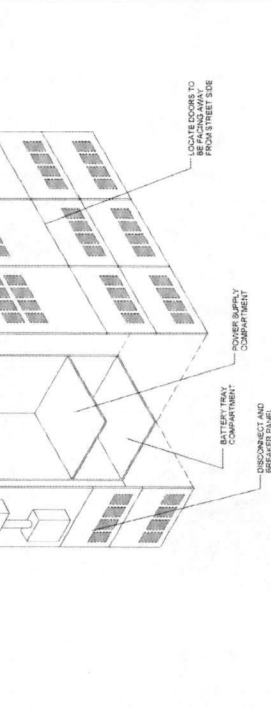
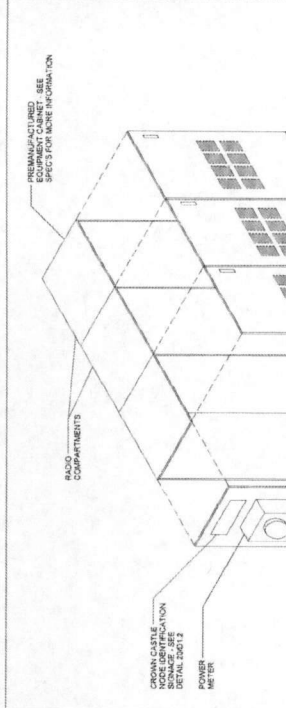
REVISIONS	NO.	DATE	COMMENT
	10/18/16		CITY COMMENTS

**PROJECT NAME**  
 CINCO RANCH EXPANSION

**HUB AREA**  
 CINCO RANCH - HGCV  
**SHIFT JOB NUMBER**  
 150602  
**IN HOUSE**  
 DRAWN BY: RA  
 CHECKED BY: DM

**SHEET TITLE**  
 CONSTRUCTION DETAILS

**SHEET NUMBER**  
 D1.1  
**PAGE**  
 7 OF 14  
**PROJECT SCALE:** 1" = 8'-0" (1:24.0) (1:11.71)







**SHIFT**

Shift Companies, LLC  
 3001 W. WILSON AVE. SUITE 100  
 IRVING, TX 75062

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RELEASE	DATE	BY
ELABORATED	03/18/14	IST/CIT SUBMITTAL
ISSUED	10/18/14	IST/CIT SUBMITTAL

REVISIONS	NO.	DATE	DESCRIPTION
	1	10/18/14	CIT COMMENTS

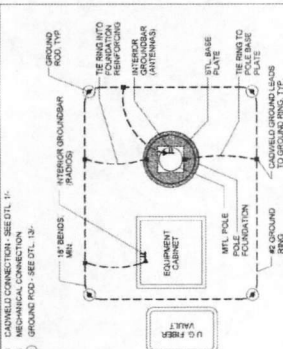
PROJECT NAME  
**CINCO RANCH EXPANSION**

HUB AREA  
**CINCO RANCH - HGWC**

SHIFT JOB NUMBER	150602
DRAWN BY	AW
CHECKED BY	AW
SHEET TITLE	ELECTRICAL DETAILS

SHEET NUMBER	E1.1
PAGE	10 OF 14

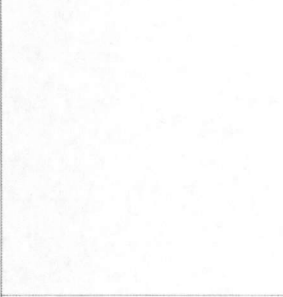
SCALE: 1" = 24" (SEE 12.0.11.11.17)



- MECHANICAL CONNECTION
- GROUND ROD - SEE DET. 13



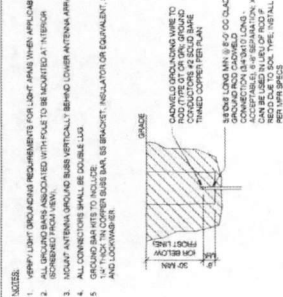
- EQUIPMENT GROUNDING SCHEMATIC DTL



- GROUND ROD DETAIL

NO.	CB	CIRCUIT DESCRIPTION	KVA LOAD	A	B
1	SPACER	2 20T 1/2" O.D. EQUIPMENT	1.50	0.00	1.50
2	SPACER	4 20T 1/2" O.D. EQUIPMENT	0.00	0.00	0.00
3	SPACER	2 20T 1/2" O.D. EQUIPMENT	0.00	0.00	0.00
4	SPACER	2 20T 1/2" O.D. EQUIPMENT	0.00	0.00	0.00
5	SPACER	2 20T 1/2" O.D. EQUIPMENT	0.00	0.00	0.00
6	SPACER	2 20T 1/2" O.D. EQUIPMENT	0.00	0.00	0.00
7	SPACER	2 20T 1/2" O.D. EQUIPMENT	0.00	0.00	0.00
TOTAL CONNECTED KVA BY PHASE			1.50	1.50	1.50
TOTAL CONNECTED AMPS BY PHASE			11.8	11.8	11.8

- PANEL A



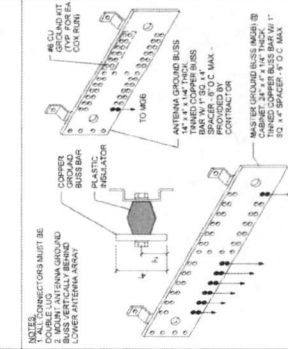
- GROUNDING SCHEMATIC - METAL POLE

NO.	CB	CIRCUIT DESCRIPTION	KVA LOAD	A	B
1	SPACER	2 20T 1/2" O.D. EQUIPMENT	1.50	0.00	1.50
2	SPACER	4 20T 1/2" O.D. EQUIPMENT	0.00	0.00	0.00
3	SPACER	2 20T 1/2" O.D. EQUIPMENT	0.00	0.00	0.00
4	SPACER	2 20T 1/2" O.D. EQUIPMENT	0.00	0.00	0.00
5	SPACER	2 20T 1/2" O.D. EQUIPMENT	0.00	0.00	0.00
6	SPACER	2 20T 1/2" O.D. EQUIPMENT	0.00	0.00	0.00
7	SPACER	2 20T 1/2" O.D. EQUIPMENT	0.00	0.00	0.00
TOTAL CONNECTED KVA BY PHASE			1.50	1.50	1.50
TOTAL CONNECTED AMPS BY PHASE			11.8	11.8	11.8

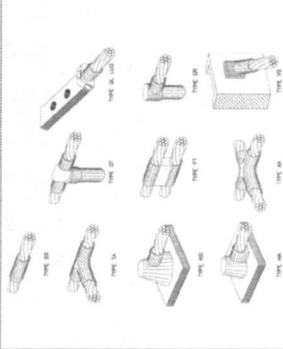
- ELECTRICAL PANEL SCHEDULES



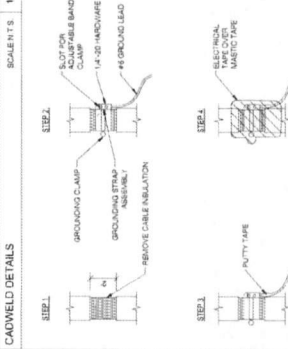
- GROUND BUS BAR DETAIL



- 240 VOLT FEEDER SCHEDULE



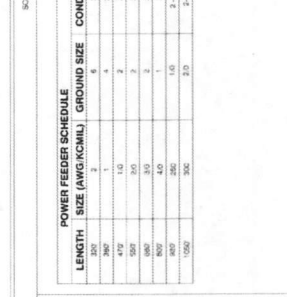
- COAXIAL CABLE GROUNDING



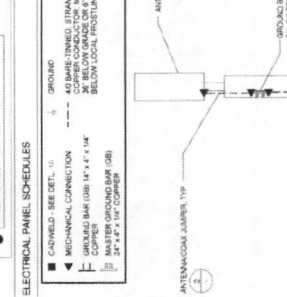
- POWER FEEDER SCHEDULE



- FEEDER SCHEDULE



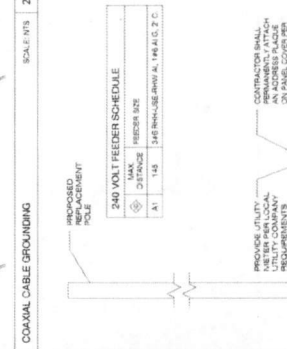
- FAULT CURRENT CALCULATION



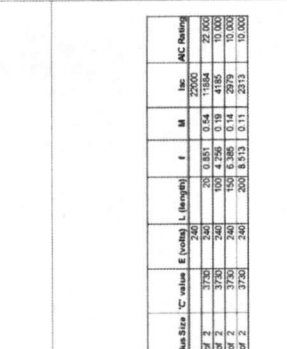
- ELECTRICAL NOTES



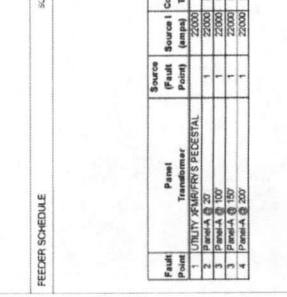
- ONE-LINE DIAGRAM



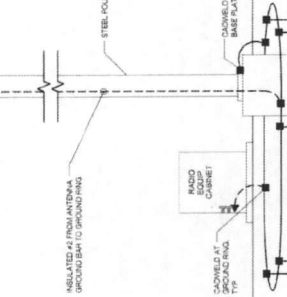
- GROUNDING SCHEMATIC - METAL POLE



- GROUNDING SCHEMATIC - METAL POLE



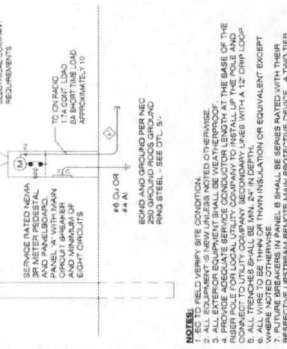
- GROUNDING SCHEMATIC - METAL POLE



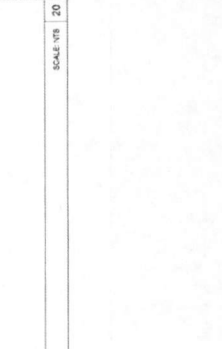
- GROUNDING SCHEMATIC - METAL POLE



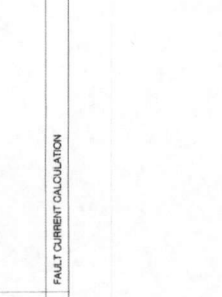
- GROUNDING SCHEMATIC - METAL POLE



- GROUNDING SCHEMATIC - METAL POLE



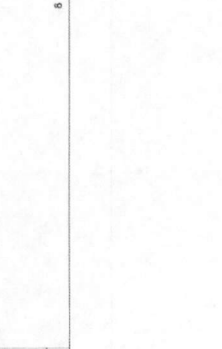
- GROUNDING SCHEMATIC - METAL POLE



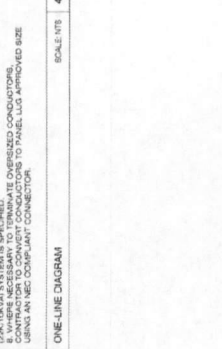
- GROUNDING SCHEMATIC - METAL POLE



- GROUNDING SCHEMATIC - METAL POLE



- GROUNDING SCHEMATIC - METAL POLE



- GROUNDING SCHEMATIC - METAL POLE

# SHIFT

November 28, 2016

Carmen Escobar, CFM  
Permit Administrator  
Fort Bend County Engineering  
301 Jackson St, Richmond, TX 77469

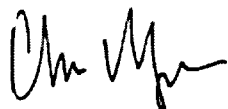
**RE: Cinco Ranch Traffic Control Plan  
- Shift Project #160614**

Carmen,

Per our conversation on the phone, the work we are doing in the ROW will not require any road closures. There is no TCP required, the contractor will take adequate measure to ensure they are not impeding the public way.

Please let me know if you need anything else.

Thank you,



Chris Myers  
Principal  
SHIFT Companies