



**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: 2016-10743

Applicant: Crown Castle NG Central LLC/Shift Companies

Job Location Site: S.W.C. OF S. FRY RD AND AVALON BAY LANE, Houston, 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 13th day of December, 2016, 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

Presented to Commissioners Court and approved.

By: Charles O. Ay
for County Engineer

Date Recorded 12-21-16 Comm. Court No. 13L

By: N/A
Drainage District Engineer/Manager

Clerk of Commissioners Court
By: Aminda 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

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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.

Charley O. Ay

Permit Administrator

12/6/16

Date

SHIFT

November 28, 2016

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

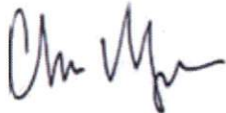
**RE: Cinco Ranch Traffic Control Plan
- Shift Project #160614**

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



PROJECT NAME: CINCO RANCH EXPANSION
PROJECT ADDRESS: FRY RD AND AVALON BAY LANE
PROJECT TYPE: BLACK DECORATIVE SLIMLINE POLE
HUB AREA: CINCO RANCH - HGCW
NODE #(s): **CCR-22**
COORDINATES: LAT: 29.71988, LONG: -95.78528

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FORT BEND COUNTY ENGINEER
 ENGINEER: *Paul J. Stangle, PE, proE*
 FOR: Richard W. Stokes, P.E.
 DATE: 11/1/16
 THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.
 APPROVED: *[Signature]*
 Development Coordinator
 DATE: 11/1/16

TEAM MEMBERS REVIEW	REVIEWED/DATE
R.F. ENGINEERING	
PRODUCT MANAGEMENT	
NETWORK REAL ESTATE TEAM	
UTILITY TEAM	
IMPLEMENTATION	
OPERATIONS	



CROWN CASTLE
 800 E JOHN CARPENTER Fwy
 SUITE 300
 IRVING, TX 75062

RECORD DRAWINGS ISSUE DATE: 10/15/16



Shift Companies, LLC
 11111 HOUSTON WESTERN BLVD
 SCOTTSDALE, ARIZONA 85257
 PH: 480.264.8889
 FAX: 480.264.0382

RELEASE	
DATE	SUBMITTAL
6/25/15	1ST CITY SUBMITTAL
10/16/16	2ND CITY SUBMITTAL

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

PROJECT NAME
 CINCO RANCH EXPANSION

NODE ADDRESS
 FRY RD AND AVALON BAY LANE

NODE #: CCR-22

HUB AREA
 CINCO RANCH - HGCW

SHIFT JOB NUMBER IN HOUSE
 150602 DRAWN BY: CM
 CHECKED BY: CM

SHEET TITLE
 TITLE SHEET

SHEET NUMBER	PAGE
T1.1	1 OF 14

PLOT SCALE: 1:1 @ 24"x36"; 1:2 @ 11"x17"

PROJECT TEAM	
ARCHITECT	OWNER INFO
Company: SHIFT CONSULTING Address: 7330 E MONTE VISTA RD, SCOTTSDALE, AZ 85257 Phone Number: 480.264.0629 Fax Number: 480.264.0163 Contact: CHRIS MYERS	Company: CROWN CASTLE Address: 1220 AUGUSTA DR, HOUSTON, TX 77057 Phone #: 817.449.3113 Email: BARRY.CAMPAU@CROWNCASTLE.COM Contact: BARRY CAMPAU
STRUCTURAL	RF ENGINEER
Company: T.B.D. Address: Phone Number: Fax Number: Contact:	Company: CROWN CASTLE Address: 1220 AUGUSTA DR, HOUSTON, TX 77057 Phone Number: Fax Number: Contact:
FIBER ENGINEERING	
Company: TDC2 Address: 710 EAST PARK BLVD, SUITE 110, PLANO, TX 75074 Phone: 972.423.9000 Email: scott@tdc2.com Contact: SCOTT CRUM	

PROJECT SUMMARY	
PROJECT NAME: CINCO RANCH EXPANSION	APPLICANT: CROWN CASTLE 1220 AUGUSTA DR HOUSTON, TX 77057 CONTACT: BARRY CAMPAU
PROJECT AREA: CINCO RANCH - HGCW	CODES: 2009 INTERNATIONAL BUILDING CODE (IBC) 2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2008 NATIONAL ELECTRICAL CODE (NEC) 2008 NATIONAL ELECTRICAL SAFETY CODE (NESC)
JURISDICTION: FORT BEND COUNTY ENGINEERING DEPT 1124 BLUME RD, ROSENBERG, TX 77471 PH: 281.633.7500 CONTACT: JOHNNY ORTEGA	PLUMBING REQUIREMENTS: FACILITY HAS NO PLUMBING.
HANDICAPPED REQUIREMENTS: -FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. -HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED.	POWER COMPANY: CENTERPOINT ENERGY 3431 HIGHWAY BLVD, KATY, TX 77454 PH: 281.520.6275 CONTACT: KEN CORTEZ

NOTE: NOT ALL SITES ARE INCLUDED IN THIS SET. SEE NODE #S ABOVE FOR SITES THAT ARE IN THIS SET.



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 NEW 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 SHROUDS.

PART 2 - EXECUTION

2.1 EXECUTION

A Provide (1) main ground from the antenna mounting bracket at the top of the pole, to the main ground bus bar (TMGB) (location defined below). Main vertical ground shall consist of a #2 solid bare copper cable. Main ground shall be protected by a PVC U-Channel to the top of the pole and buried every 24" with corrosion resistant (stainless galvanized) staples. **Do not add copper caps or highly susceptible to theft and may be in violation of the code. #2 is coated is recommended by City. As it is cheaper and less likely to be stolen. Bus Bars may also be in violation of the code and may not be acceptable to the City.**

B Provide (1) main ground from the main ground bus bar (TMGB) (location defined below) to the ground rod at the pole base. Main ground vertical shall consist of a #2 solid bare copper cable. Main ground shall be protected by a PVC U-Channel to the bottom of the pole and spaced every 24" with corrosion resistant (stainless galvanized) staples.

C Ground rod shall be installed per NEC code with depth and distance from wood pole.

D Ground rod shall be installed per NEC code with depth and distance from wood pole.

E Ground rod shall be installed per NEC code with depth and distance from wood pole.

F #2 ground shall be attached directly to the ground bus bar (TMGB).

G Main ground vertical shall be attached directly to a ground bus bar (TMGB) mounted to the face of the utility pole. Method of connect shall be 2 hole drilled lug (shown) to the main ground bus (TMGB) cable or via nut depending on the installation of the TMGB.

H Main ground vertical to the Antenna mounting bracket shall be attached directly to the Antenna Bracket via a self-tapping bolt or screw. A washer must be added to the top bolt or screw to avoid damage to the lug while installing a secure nut.

I TMGB shall be mounted above the Chases (unless shown the other way around) directly to the wood pole structure.

J All jobs mounted devices including but not limited to: antennae mounts and antennas, mounting brackets, cabinets shall be connected to the TMGB with #4 copper braided cable (to be used and green in color).

K All jobs mounted devices, including but not limited to: antennae mounts and antennas, mounting brackets, cabinets shall be connected to the TMGB using #4 copper braided cable (to be used and green in color).

L All jobs mounted devices, including but not limited to: antennae mounts and antennas, mounting brackets, cabinets shall be connected to the TMGB using #4 copper braided cable (to be used and green in color).

1 Conductor lugs must attach to the bus bar with two holes facing up and out with the bolt heads on the back side of the bus bar.

2 Spacing of conductor lugs is permitted.

3 Placement of conductor lugs on front and rear face of grounding bar is permitted.

4 Any modifications to the conductor lugs are prohibited, including but not limited to grinding, cutting or bending.

5 Conductor lugs must be jacketed with lead spacing and must not curve in contact with another conductor lug.

6 Banded side of the conductor lug should be placed on the outside side of the bus bar.

7 All conductor lugs shall have #4 copper braided cable.

8 All conductor lugs must have NO OLA applied to any wires which contact another metal in the future including and especially the conductor of the conductor and

9 All conductor lugs must be attached using 3/8" hexwashers 2 per each lug and 1/4" of the following manner:

a Flat Washer on the back of the lug

b Bolt thru the lug hole being outside

c Flat Washer on the front side of the lug

d Lock Washer on the front side of the flat washer

e Nut on the top, buried to "three threads showing at maximum torque"

f All nuts on conductor bolts must be tightened to the top unless otherwise specified

10 No maintenance connections are acceptable except in the event of maintenance items being a integral part of the product from the factory, or Chases unless a ground lug is on both sides of the cable.

N Access panels on Cabinets must be grounded off to a job later.

O All exposed metallic surfaces must be grounded with 200 ohm or less product to prevent oxidation.

P All lugs exposed to environment must be sealed with anode wax.

Q All lugs exposed to environment must be sealed with anode wax.

1 "Coated" "shelter" conductors are established in 4 inches of 1/4 inch or an inch.

PART 3 - TESTING AND DOCUMENTATION

3.1 TESTING

A Tests to ground is required for acceptance. If 5 Ohms cannot be met with above requirements, additional ground rods will be added to the field until 5 Ohms is achieved.

3.2 DOCUMENTATION

A Photos of the tests are required as well as test results in formal document format. Submit result test to CC Construction Manager prior to final walkthrough. Submit all photos and tests with related package per Section 01710 - "Control Procedures and Required Documents"

GROUNDING SPECIFICATIONS SCALE: NTS 6

1. NOTIFY BEND COUNTY MUST BE INVITED TO THE PRE-CONSTRUCTION MEETING.

2. HOUR NOTICE TO ANY CONSTRUCTION ACTIVITY WITHIN THE LIMITS OF THE PAVING AT CONSTRUCTION FOR BEND COUNTY TX GOV.

3. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FROM FORT BEND COUNTY PRIOR TO COMMENCEMENT.

4. CONSTRUCTION OF ANY IMPROVEMENTS WITHIN COUNTY ROAD RIGHT OF WAY.

5. ALL PAVING IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FORT BEND COUNTY RULES, REGULATIONS AND REQUIREMENTS RELATING TO THE APPROVAL AND ACCEPTANCE OF IMPROVEMENTS IN SUBDIVISIONS AS CURRENTLY AMENDED.

6. ALL ROAD WIDTH, CURB RADIUS AND CURVE ALIGNMENT SHOWN INDICATES BACK OF CURB.

7. A CONTINUOUS LONGITUDINAL REINFORCING BAR SHALL BE USED IN THE CURBS.

8. ALL CONCRETE PAVEMENT SHALL BE 5" BACH CEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS. TRANSVERSE EXPANSION JOINTS SHALL BE INSTALLED AT EACH CURB RETURN AND AT A MAXIMUM SPACING OF 50 FEET.

9. ALL WEATHER ACCESS TO ALL EXISTING STREETS AND DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.

10. 4" X 12" REINFORCED CONCRETE CURB SHALL BE PLACED IN FRONT OF BRUSH FAMILY LOTS ONLY. ALL OTHER AREAS SHALL BE REINFORCED CONCRETE CURB.

11. ALL INTERSECTION LOCATIONS TYPE "R" RAMP SHALL BE PLACED IN ACCORDANCE WITH TxDOT PFD-12A STANDARD DETAIL SHEET. A D.A. HANDICAP RAMPS SHALL BE INSTALLED WITH STREET PAVING AT ALL INTERSECTIONS AND COMPLY WITH CURRENT A.D.A. REGULATIONS.

12. CURB READERS ARE REQUIRED AT CURB CONNECTIONS TO HANDICAP RAMPS. WITH NO CONSTRUCTION JOINT WITHIN 5' OF RAMPS.

13. ALL INTERSECTIONS UTILIZING TRAFFIC CONTROL MEASURES SHALL HAVE A.D.A. WHEEL CHAIR RAMPS INSTALLED.

14. GUIDELINES ARE SET FORTH IN THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. AS CURRENTLY AMENDED. SHALL BE OBSERVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE FLAGMEN, STOPPING, STOPPING AND YIELDING DEVICES, ETC. DURING CONSTRUCTION - BOTH DAY AND NIGHT.

15. STREET NAME SIGNAGE SHALL BE ON A 9" HIGH SIGN FLAT BLADE W/ REFLECTIVE GREEN BACKGROUND. STREET NAMES SHALL BE UPPER AND LOWERCASE LETTERING WITH UPPERCASE LETTERS OF 8" MINIMUM AND LOWERCASE LETTERS OF 4" MINIMUM. THE LETTERS SHALL BE REFLECTIVE WHITE. STREET NAME SIGNS SHALL BE MOUNTED ON STOP SIGN POST.

16. A BLUE DOUBLE REFLECTORIZED BUTTON SHALL BE PLACED AT ALL FIRE HYDRANT LOCATIONS. THE BUTTON SHALL BE PLACED 12 INCHES OFF OF THE CENTERLINE OF THE STREET ON THE SAME SIDE AS THE HYDRANT.

GENERAL PROJECT NOTES SCALE: NTS 10

1. RIG-TOF-WAY USE PERMIT SHALL BE OBTAINED BY CONTRACTOR PRIOR TO COMMENCING WORK.

2. A UTILITY LOCATE IS REQUIRED FOR ALL PROJECTS.

3. CROSSING OF EXISTING UTILITIES SHALL BE COORDINATED BY CONTRACTOR.

4. ALL WORK TO BE CONDUCTED IN CITY RIGHT OF WAY, U.N.O

5. ALL DISTURBED LANDSCAPING SHALL BE RELOCATED TO SIMILAR EXISTING CONDITION.

6. ALL SURFACE REPAIR SHALL BE TO CITY SPECIFICATIONS.

7. ANY SIDEWALK CLOSURE SHALL BE COORDINATED WITH THE CITY AND PROPER SIGNAGE WILL BE PLACED.

8. TEMPORARY LIGHTING WILL BE COORDINATED WITH CITY AND PROVIDED WHENEVER EXISTING LIGHTING IS REMOVED OR UNAVAILABLE AS REQUIRED.

9. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON PRIVATE PROPERTY OR BLOCK ACCESS TO PRIVATE PROPERTY.

10. OPEN EXCAVATIONS SHALL BE PROPERLY GUARDED AND SIGNED. NO OPEN EXCAVATIONS WILL BE LEFT ACCESSIBLE TO THE PUBLIC.

11. CLEANUP OF THE WORK AREA WILL BE COMPLETED EACH EVENING AND THE PROJECT AREA WILL BE RETURNED TO EXISTING CONDITION AT THE COMPLETION OF CONSTRUCTION AT EACH NODE LOCATION.

12. ALL WORK TO COMPLY WITH OSHA AND CITY GUIDELINES.

13. CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING PRIVATE IRRIGATION PRIOR TO EXCAVATION. CONTRACTOR WILL REPAIR OR REROUTE IRRIGATION IN ROW AS NECESSARY.

14. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND REPLACE AT THEIR COST ANY AND ALL DAMAGED PAVEMENT, SIDEWALK, CURB AND GUTTER OUTSIDE THE PAY LIMIT. DAMAGE DUE TO OTHER ACTIVITIES ON THE PROJECT THIS INCLUDES, BUT IS NOT LIMITED TO THE REMOVAL AND REPLACEMENT OF NEWLY CRACKED, THE REMOVAL AND REPLACEMENT OF EXISTING CRACKS WHERE THE CRACKS HAVE BEEN ENLARGED DUE TO THE CONTRACTORS OPERATIONS. THE REMOVAL AND REPLACEMENT OF DEFORMED PAVEMENT, CURB AND GUTTER, SIDEWALK, ETC. ALL SAW CUTS USED FOR THE REMOVAL OF THESE ITEMS SHALL BE PERPENDICULAR AND PARALLEL TO THE CENTERLINE CONTROLLING THAT ITEM, OR AT THE DISCRETION OF THE CITY INSPECTOR.

15. THE WALLS INSTALLED IN CONJUNCTION WITH THE INDIVIDUAL ANTENNA NODES SHALL BE FLUSH WITH THE GROUND.

GROUNDING SPECIFICATIONS SCALE: NTS 6

1. NOTIFY BEND COUNTY MUST BE INVITED TO THE PRE-CONSTRUCTION MEETING.

2. HOUR NOTICE TO ANY CONSTRUCTION ACTIVITY WITHIN THE LIMITS OF THE PAVING AT CONSTRUCTION FOR BEND COUNTY TX GOV.

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6. ALL ROAD WIDTH, CURB RADIUS AND CURVE ALIGNMENT SHOWN INDICATES BACK OF CURB.

7. A CONTINUOUS LONGITUDINAL REINFORCING BAR SHALL BE USED IN THE CURBS.

8. ALL CONCRETE PAVEMENT SHALL BE 5" BACH CEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI AT 28 DAYS. TRANSVERSE EXPANSION JOINTS SHALL BE INSTALLED AT EACH CURB RETURN AND AT A MAXIMUM SPACING OF 50 FEET.

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10. 4" X 12" REINFORCED CONCRETE CURB SHALL BE PLACED IN FRONT OF BRUSH FAMILY LOTS ONLY. ALL OTHER AREAS SHALL BE REINFORCED CONCRETE CURB.

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12. CURB READERS ARE REQUIRED AT CURB CONNECTIONS TO HANDICAP RAMPS. WITH NO CONSTRUCTION JOINT WITHIN 5' OF RAMPS.

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GENERAL PROJECT NOTES SCALE: NTS 11

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NOTE: FORT BEND COUNTY NOTES SUPERSEDE ANY CONFLICTING NOTES.

INSPECTIONS OF THE PROJECT AND ALL PARTS THEREOF SHALL BE SUBJECT TO INSPECTION FROM TIME TO TIME BY INSPECTORS DESIGNATED BY FORT BEND COUNTY. NO SUCH INSPECTIONS SHALL RELIEVE THE CONTRACTOR OF ANY OF ITS OBLIGATIONS HEREUNDER. NEITHER FAILURE TO INSPECT NOR FAILURE TO DISCOVER OR RECTIFY ANY OF THE WORK AS NOT IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, REQUIREMENTS AND SPECIFICATIONS OF FORT BEND COUNTY OR ANY PROVISION OF THE PROJECT SHALL BE CONSTRUED TO IMPLY AN ACCEPTANCE OF SUCH WORK OR TO RELIEVE THE CONTRACTOR OF ANY OF ITS OBLIGATIONS HEREUNDER.

GROUNDING SPECIFICATIONS SCALE: NTS 6

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14. GUIDELINES ARE SET FORTH IN THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. AS CURRENTLY AMENDED. SHALL BE OBSERVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE FLAGMEN, STOPPING, STOPPING AND YIELDING DEVICES, ETC. DURING CONSTRUCTION - BOTH DAY AND NIGHT.

15. STREET NAME SIGNAGE SHALL BE ON A 9" HIGH SIGN FLAT BLADE W/ REFLECTIVE GREEN BACKGROUND. STREET NAMES SHALL BE UPPER AND LOWERCASE LETTERING WITH UPPERCASE LETTERS OF 8" MINIMUM AND LOWERCASE LETTERS OF 4" MINIMUM. THE LETTERS SHALL BE REFLECTIVE WHITE. STREET NAME SIGNS SHALL BE MOUNTED ON STOP SIGN POST.

16. A BLUE DOUBLE REFLECTORIZED BUTTON SHALL BE PLACED AT ALL FIRE HYDRANT LOCATIONS. THE BUTTON SHALL BE PLACED 12 INCHES OFF OF THE CENTERLINE OF THE STREET ON THE SAME SIDE AS THE HYDRANT.

GENERAL PROJECT NOTES SCALE: NTS 6

1. RIG-TOF-WAY USE PERMIT SHALL BE OBTAINED BY CONTRACTOR PRIOR TO COMMENCING WORK.

2. A UTILITY LOCATE IS REQUIRED FOR ALL PROJECTS.

3. CROSSING OF EXISTING UTILITIES SHALL BE COORDINATED BY CONTRACTOR.

4. ALL WORK TO BE CONDUCTED IN CITY RIGHT OF WAY, U.N.O

5. ALL DISTURBED LANDSCAPING SHALL BE RELOCATED TO SIMILAR EXISTING CONDITION.

6. ALL SURFACE REPAIR SHALL BE TO CITY SPECIFICATIONS.

7. ANY SIDEWALK CLOSURE SHALL BE COORDINATED WITH THE CITY AND PROPER SIGNAGE WILL BE PLACED.

8. TEMPORARY LIGHTING WILL BE COORDINATED WITH CITY AND PROVIDED WHENEVER EXISTING LIGHTING IS REMOVED OR UNAVAILABLE AS REQUIRED.

9. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON PRIVATE PROPERTY OR BLOCK ACCESS TO PRIVATE PROPERTY.

10. OPEN EXCAVATIONS SHALL BE PROPERLY GUARDED AND SIGNED. NO OPEN EXCAVATIONS WILL BE LEFT ACCESSIBLE TO THE PUBLIC.

11. CLEANUP OF THE WORK AREA WILL BE COMPLETED EACH EVENING AND THE PROJECT AREA WILL BE RETURNED TO EXISTING CONDITION AT THE COMPLETION OF CONSTRUCTION AT EACH NODE LOCATION.

12. ALL WORK TO COMPLY WITH OSHA AND CITY GUIDELINES.

13. CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING PRIVATE IRRIGATION PRIOR TO EXCAVATION. CONTRACTOR WILL REPAIR OR REROUTE IRRIGATION IN ROW AS NECESSARY.

14. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND REPLACE AT THEIR COST ANY AND ALL DAMAGED PAVEMENT, SIDEWALK, CURB AND GUTTER OUTSIDE THE PAY LIMIT. DAMAGE DUE TO OTHER ACTIVITIES ON THE PROJECT THIS INCLUDES, BUT IS NOT LIMITED TO THE REMOVAL AND REPLACEMENT OF NEWLY CRACKED, THE REMOVAL AND REPLACEMENT OF EXISTING CRACKS WHERE THE CRACKS HAVE BEEN ENLARGED DUE TO THE CONTRACTORS OPERATIONS. THE REMOVAL AND REPLACEMENT OF DEFORMED PAVEMENT, CURB AND GUTTER, SIDEWALK, ETC. ALL SAW CUTS USED FOR THE REMOVAL OF THESE ITEMS SHALL BE PERPENDICULAR AND PARALLEL TO THE CENTERLINE CONTROLLING THAT ITEM, OR AT THE DISCRETION OF THE CITY INSPECTOR.

15. THE WALLS INSTALLED IN CONJUNCTION WITH THE INDIVIDUAL ANTENNA NODES SHALL BE FLUSH WITH THE GROUND.

ABBREVIATIONS AND SYMBOLS SCALE: NTS 20

AC	AIR CONDITIONING	HORZ	HORIZONTAL	S	SCHEDULE
ADJ	ADJUSTABLE	HR	HOUR	SF	SQUARE FEET
AF	ADJUSTABLE	HT	HEIGHT	SH	SHEET
AMBL	ABOVE FINISH FLOOR	HVAC	HEATING, VENTING AND AIR CONDITIONING	SM	SMALL
APPROX	APPROXIMATELY			SPEC	SPECIFICATION
AWG	AMERICAN WIRE GAUGE			SS	SANITARY SEWER
				ST	STRUCTURAL
BOV	BARE COPPER WIRE	IBC	INTERNATIONAL BUILDING CODE	SUSP	SUSPENDED
BLDG	BUILDING	INCE DA	INCHES DIA	THRU	THROUGH
BLK	BLOCK	NCH	NOMINAL	TRND	TRAINED
BOP	BOTTOM OF BLOCK	INFORM	INFORMATION	T.O.	TOP OF
BS	BOTTOM OF BRANDING	INT	INTERIOR	TOB	TOP OF BLOCK
		INT	INTERIOR	TOC	TOP OF CONCRETE
CLS	CEILING	IS	INSULATION	TOI	TOP OF MASONRY
CLR	CLEAR	ISB	INSULATION	TS	TUBE STEEL
CONC	CONCRETE	LF	LINEAR FEET	TY	TYPICAL
CONCT	CONSTRUCTION	LF	LINEAR FEET	UP	UNDERGROUND
COVT	COMPANY	MAX	MAXIMUM	UL	UNDERWRITERS LAB
		MECH	MECHANICAL	URP	UNIVERSAL RADIO HEAD
		MFL	METAL	UNO	UNLESS NOTED OTHERWISE
		MFR	MANUFACTURER		
		MGR	MANAGER		
		MNV	MISCELLANEOUS		
		MSO	MISCELLANEOUS		
DR	DOUBLE	N	NORTH	UG	UNDERGROUND
DA	DIMENSION	NA	NOT APPLICABLE		
DM	DIAMETER	NC	NOT IN CONTRACT		
DN	DOWN	NTS	NOT TO SCALE		
DTL	DETAIL				
DWG	DRAWING				
E	EAST				
EA	EACH	ON CENTER	ON CENTER	VERT	VERTICAL
EL	ELEVATION	OD	OUTSIDE DIAMETER	VF	VERTICAL
ELECT	ELECTRICAL	OPN	OPENING	VFH	VERTICAL HOLE
EPB	ELECTRICAL PULL BOX	OPPOSITE	OPPOSITE	VT	VERTICAL
EQ	EQUAL			W	WEST
EQUIP	EQUIPMENT	PRC	PROPERTY LINE	W	WITH
EW	EAST WAY	PLV	PLUMBING	WDV	WINDOW
EX	EXISTING	PLY	PLYWOOD	W/O	WITHOUT
EXT	EXTERIOR	PR	PROJECT	WP	WORKING POINT
		PRP	PRESSURE TREATED	WTR	WATER
FIN	FINISH	REF	REFLECTED		
FLOR	FLOORING	REQD	REQUIRED		
FLR	FLOOR	ROOM	ROOM		
FT	FOOT, FEET	ROUGH	ROUGH OPENING		
		ROOF	ROOF-OF-WAY		
GA	GALVE	R	RECEIVE SIGNAL		
GALV	GALVANIZED				
GD	GENERAL CONTRACTOR				
GLS	GLASS LAMINATED GLASS				
GRND	GROUND				
GRD	GRASS WALL, BOARD				



ABBREVIATIONS AND SYMBOLS SCALE: NTS 20

AC	AIR CONDITIONING	HORZ	HORIZONTAL	S	SCHEDULE
ADJ	ADJUSTABLE	HR	HOUR	SF	SQUARE FEET
AF	ADJUSTABLE	HT	HEIGHT	SH	SHEET
AMBL	ABOVE FINISH FLOOR	HVAC	HEATING, VENTING AND AIR CONDITIONING	SM	SMALL
APPROX	APPROXIMATELY			SPEC	SPECIFICATION
AWG	AMERICAN WIRE GAUGE			SS	SANITARY SEWER
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BOV	BARE COPPER WIRE	IBC	INTERNATIONAL BUILDING CODE	SUSP	SUSPENDED
BLDG	BUILDING	INCE DA	INCHES DIA	THRU	THROUGH
BLK	BLOCK	NCH	NOMINAL	TRND	TRAINED
BOP	BOTTOM OF BLOCK	INFORM	INFORMATION	T.O.	TOP OF
BS	BOTTOM OF BRANDING	INT	INTERIOR	TOB	TOP OF BLOCK
		INT	INTERIOR	TOC	TOP OF CONCRETE
CLS	CEILING	IS	INSULATION	TOI	TOP OF MASONRY
CLR	CLEAR	ISB	INSULATION	TS	TUBE STEEL
CONC	CONCRETE	LF	LINEAR FEET	TY	TYPICAL
CONCT	CONSTRUCTION	LF	LINEAR FEET	UP	UNDERGROUND
COVT	COMPANY	MAX	MAXIMUM	UL	UNDERWRITERS LAB
		MECH	MECHANICAL	URP	UNIVERSAL RADIO HEAD
		MFL	METAL	UNO	UNLESS NOTED OTHERWISE
		MFR	MANUFACTURER		
		MGR	MANAGER		
		MNV	MISCELLANEOUS		
		MSO	MISCELLANEOUS		
DR	DOUBLE	N	NORTH	UG	UNDERGROUND
DA	DIMENSION	NA	NOT APPLICABLE		
DM	DIAMETER	NC	NOT IN CONTRACT		
DN	DOWN	NTS	NOT TO SCALE		
DTL	DETAIL				
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EA	EACH	ON CENTER	ON CENTER	VERT	VERTICAL
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ELECT	ELECTRICAL	OPN	OPENING	VFH	VERTICAL HOLE
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EW	EAST WAY	PLV	PLUMBING	WDV	WINDOW
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EXT	EXTERIOR	PR	PROJECT	WP	WORKING POINT
		PRP	PRESSURE TREATED	WTR	WATER
FIN	FINISH	REF	REFLECTED		
FLOR	FLOORING	REQD	REQUIRED		
FLR	FLOOR	ROOM	ROOM		
FT	FOOT, FEET	ROUGH	ROUGH OPENING		
		ROOF	ROOF-OF-WAY		
GA	GALVE	R	RECEIVE SIGNAL		
GALV	GALVANIZED				
GD	GENERAL CONTRACTOR				
GLS	GLASS LAMINATED GLASS				
GRND	GROUND				
GRD	GRASS WALL, BOARD				

ABBREVIATIONS AND SYMBOLS SCALE: NTS 20

AC	AIR CONDITIONING	HORZ	HORIZONTAL	S	SCHEDULE
ADJ	ADJUSTABLE	HR	HOUR	SF	SQUARE FEET



NODE AERIAL PLAN

SUBJECT POLE: CCR 22

GPS COORDINATES:

LAT: 28.71988

LONG: 95.78259

POLE TYPE: BLACK DECORATIVE SUBLINE POLE

POLE #:

UPPER ANTENNA RAD CENTER: 37 - 0' A.F.G.

LOWER ANTENNA RAD CENTER: 35 - 0' A.F.G.

APPROVED: *[Signature]*
Development Coordinator

DATE: 11/1/16



CROWN CASTLE
800 E. JOHN CARPENTER Fwy
SUITE 300
IRVING, TX 75062

RECORD DRAWINGS (ISSUE DATE: 10/18/16)



Shift Companies, LLC
7127 W. HEIRE VISTA ROAD
SCOTTSDALE, ARIZONA 85251
PH: 480.364.5100
FAX: 480.364.5103

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RELEASE	
DATE	SUBMITTAL
6.09.16	1ST CITY SUBMITTAL
10.18.16	2ND CITY SUBMITTAL

REVISIONS		
NO.	DATE	COMMENT
	10.18.16	CITY COMMENTS

PROJECT NAME:
CINCO RANCH EXPANSION

NODE ADDRESS:
NODE #CCR-22

FRY RD AND AVALON BAY LANE

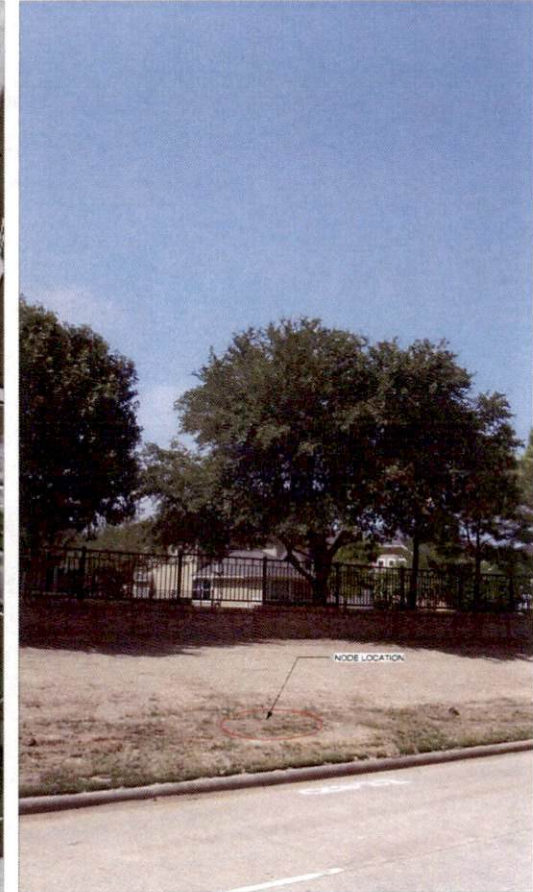
HUB AREA:
CINCO RANCH - HGCW

SHIFT JOB NUMBER: 150602 **IN HOUSE**

SHEET TITLE:
AERIAL

SHEET NUMBER: A1.0 **PAGE:** 4 OF 14

PLOT SCALE: 1" @ 24'-0" 1/2 @ 11'x17"



SITE PHOTO (EXISTING)

N.T.S.

PLAN CHECK #

CASE #

KEYNOTE	DESCRIPTION	DETAIL
A01	PROPOSED CROWN CASTLE OAN ANTENNA	18-D1.1
A02	PROPOSED CROWN CASTLE 2" U.G. CONDUIT (APPROXIMATE LOCATION, F.V.)	3-D1.1
A03	PROPOSED CROWN CASTLE REMOTE RADIO UNIT INSIDE EQUIPMENT CABINET	18-D1.1
A04	PROPOSED NEW METAL SUBLINE POLE	20-D1.1
A05	PROPOSED CROWN CASTLE UNDERGROUND CONC. FIBER VAULT	5-D1.2
A06	PROPOSED CROWN CASTLE NODE IDENTIFICATION SCHEME	20-D1.2
A07	PROPOSED CROWN CASTLE EQUIPMENT CABINET	18-D1.1
A08	PROPOSED CROWN CASTLE PIER FOUNDATION	12-D1.1
A09	PROPOSED ELECTRICAL HAND HOLE	

KEYNOTE	DESCRIPTION	DETAIL
B01	PROPOSED POWER METER MOUNTED TO EQUIPMENT CABINET (DISTRIBUTED PANEL AND DISCONNECT)	18-D1.1
U01	PROPOSED 2" CROWN CASTLE U.G. POWER CONDUIT (APPROXIMATE LOCATION, F.V.)	3-D1.1 & 3-D1.2
U02	PROPOSED CROWN CASTLE 2" U.G. FIBER CONDUIT BY OTHERS (APPROXIMATE LOCATION, F.V.)	3-D1.1 & 3-D1.2



- NOTES:**
1. ANY DAMAGE TO EXISTING CURB, SIDEWALK AND ROADWAY DURING CONSTRUCTION TO BE REPAIRED OR REPLACED.
 2. EXISTING VEGETATION DAMAGED BY CONSTRUCTION TO BE REPLACED BY SAME SPECIES.

- GENERAL NOTES**
1. PAINT PROPOSED GROUND EQUIPMENT A NATURAL EARTH COLOR OR AS APPROVED BY CITY.
 2. CONTRACTOR TO FIELD LOCATE EXIST' UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
 3. EX' LANDSCAPE PLANTINGS AND DECORATIVE HARDSCAPES DISTURBED OR DESTROYED AS A RESULT OF CONSTRUCTION SHALL BE REPLACED WITH A LIKE SIZE AND SPECIE.
 4. CONTRACTOR TO HAND LOCATE EX' IRRIGATION PRIOR TO EXCAVATION.
 5. SITE PLAN IS A DIAGRAMMATIC REPRESENTATION ONLY. VERIFY ALL DIMENSIONS.
 6. VERIFY ALL PROPERTY LINE INFORMATION WITH AVAILABLE R.O.W. DATA.
 7. EXIST' UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE ONLY (AS PROVIDED BY LOCAL UTILITIES).

SUBJECT POLE: CCR-22

GPS COORDINATES:

LAT: 29° 11' 56"

LONG: 95° 17' 58"

POLE TYPE: BLACK DECORATIVE SUBLINE POLE

POLE ID #:

UPPER ANTENNA RAD CENTER: 37' - 0" A.F.G.

LOWER ANTENNA RAD CENTER: 38' - 0" A.F.G.

SUBJECT POLE IS LOCATED IN: FORT BEND COUNTY R.O.A.

APPROVED: [Signature]

DATE: 11/11/16



CROWN CASTLE
800 E. JOHN CAPPENHAY Pkwy.
SUITE 300
IRVING, TX 75062

RECORD DRAWINGS ISSUE DATE: 10/18/16



Shift Companies, LLC
10111 HWY 190 E. SUITE 100
WORTHAMLAND, TEXAS 75097
PH: 972-394-8800
FAX: 972-394-8802

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RELEASE	DATE	SUBMITTAL
	08/03/16	1ST CITY SUBMITTAL
	10/18/16	2ND CITY SUBMITTAL

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

PROJECT NAME
CINCO RANCH EXPANSION

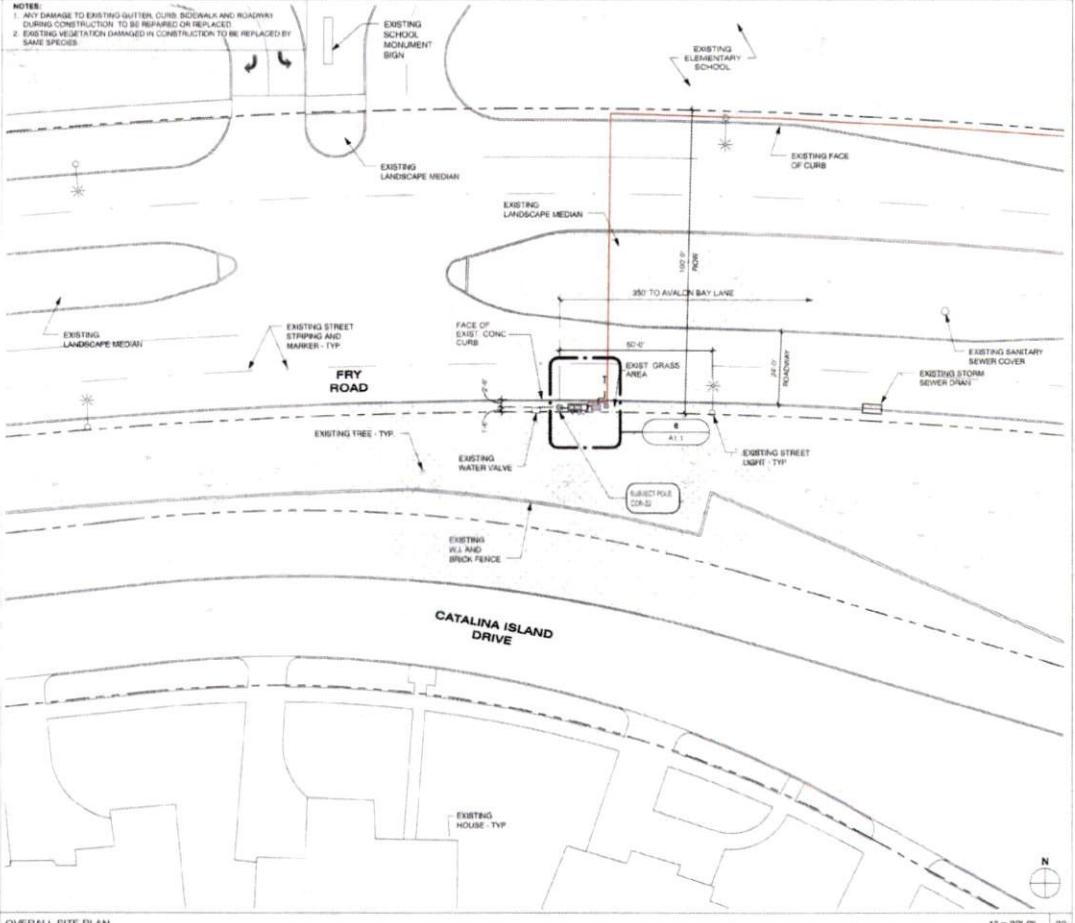
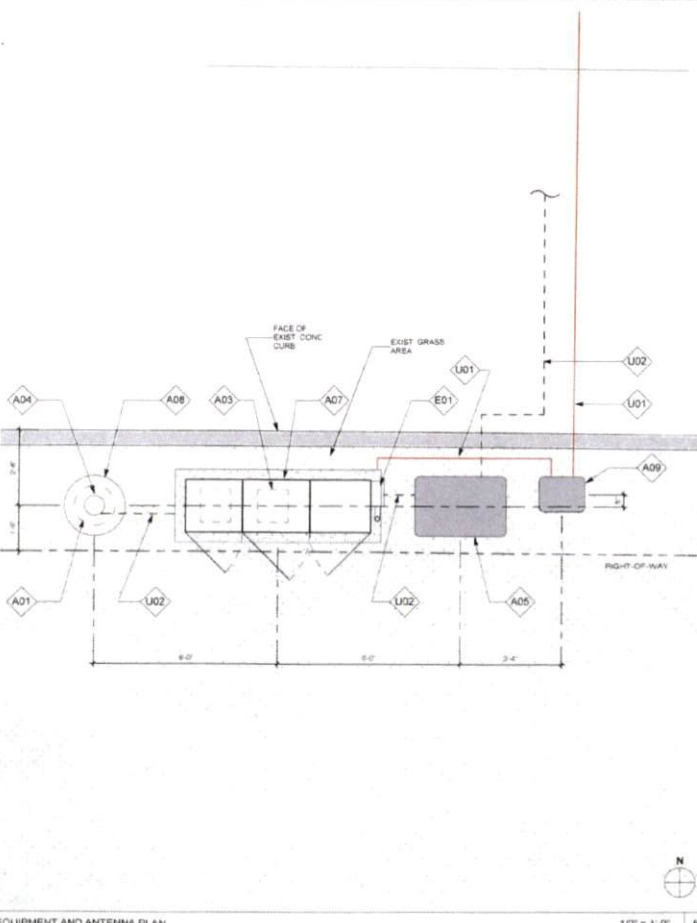
NODE ADDRESS
NODE #CCR-22
FRY RD AND AVALON BAY LANE

HUB AREA
CINCO RANCH - HGCW

SHIFT JOB NUMBER 150602
IN HOUSE DRAWN BY: SA
CHECKED BY: CM

SHEET TITLE
SITE PLAN, EQUIPMENT AND ANTENNA PLAN

SHEET NUMBER A1.1
PAGE 5 OF 14
PLOT SCALE 1:1 @ 24x36"; 1:2 @ 11x17"



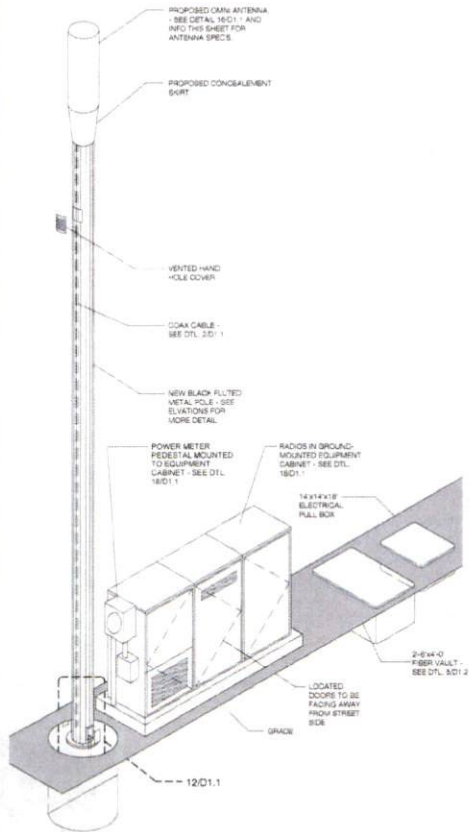
EQUIPMENT AND ANTENNA PLAN

1/2" = 1'-0" 8 OVERALL SITE PLAN

1" = 20'-0" 20

PLAN CHECK # CASE #

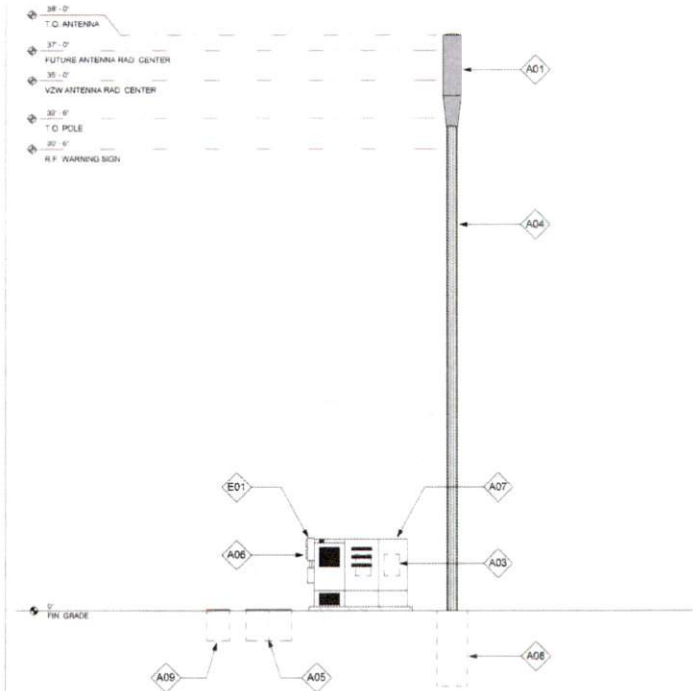
NOTE:
ISO IS SCHEMATIC IN NATURE. FIBER VAULT, POWER METER PEDESTAL AND GROUND-MOUNTED RADIO EQUIPMENT PEDESTAL CAN BE RECONFIGURED TO SUIT PROJECT LOCATION



KEYNOTE LEGEND		
KEYNOTE	DESCRIPTION	DETAIL NUMBER
A01	PROPOSED CROWN CASTLE OMNI ANTENNA	18D1.1
A02	PROPOSED CROWN CASTLE 2" U.G. CONDUIT (APPROXIMATE LOCATION ONLY)	20D1.1
A03	PROPOSED CROWN CASTLE REMOTE RADIO UNITS INSIDE EQUIPMENT CABINET	18D1.1
A04	PROPOSED NEW METAL BLUMHIRE POLE	20D1.1
A05	PROPOSED CROWN CASTLE UNDERGROUND CONC. FIBER VAULT	18D1.2
A06	PROPOSED CROWN CASTLE NODE IDENTIFICATION SIGNAGE	20D1.2
A07	PROPOSED CROWN CASTLE EQUIPMENT CABINET	18D1.1
A08	PROPOSED CROWN CASTLE POLE FOUNDATION	12'D1.1
A09	PROPOSED ELECTRICAL HAND HOLE	
E01	PROPOSED POWER METER MOUNTED TO EQUIPMENT CABINET (DISTRIBUTED PANEL AND DISCONNECT)	18D1.1

MODEL	AMPENOL - 32021010700
LENGTH	48"
WIDTH	14.6" DIA
DEPTH	NA
WEIGHT	38.1 LBS
PROPOSED PANEL ANTENNA SPECS	
PROPOSED POLE WIDTH = 6" Ø	
PROPOSED POLE HEIGHT = 32' - 6" (1'-4" ANTENNA AND 1'-6" ANTENNA MOUNT)	
POLE INFO	

APPROVED: *[Signature]*
Development Coordinator
DATE: 11/1/16



CROWN CASTLE
800 E. JOHN CARPENTER Pkwy
SUITE 500
IRVING, TX 75062

RECORD DRAWING ISSUE DATE: 10/18/16

SHIFT

Shift Companies, LLC
17111 WEST BETHLEHEM
MOTTSMAN, MISSOURI 64050
PH: 816.258.0051
SH: 816.258.0052

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RELEASE	
DATE	SUBMITTAL
8/29/16	1ST CITY SUBMITTAL
10/18/16	2ND CITY SUBMITTAL

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

PROJECT NAME
CINCO RANCH EXPANSION

NODE ADDRESS
NODE #CCR-22
FRY RD AND AVALON BAY LANE

HUB AREA
CINCO RANCH - HGCW

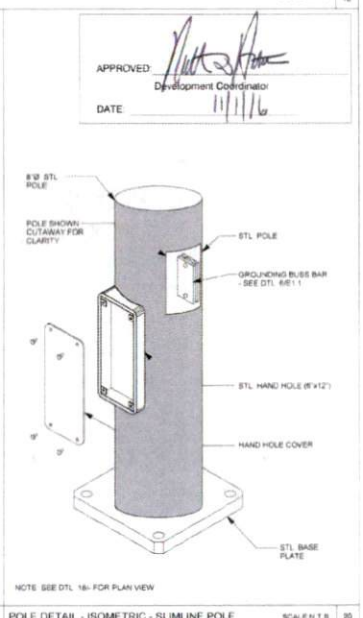
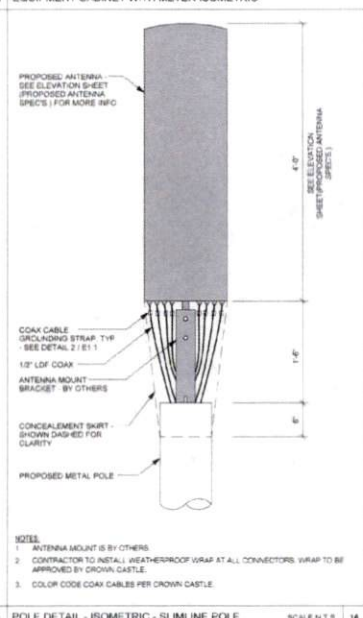
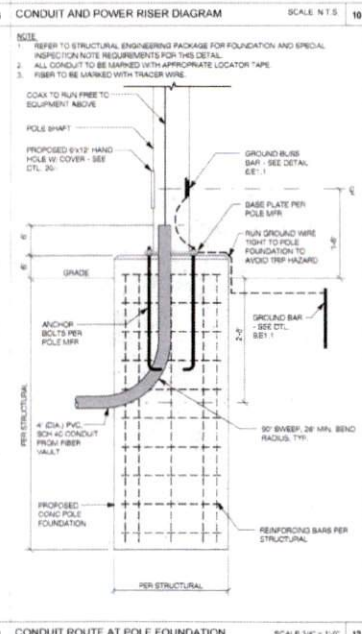
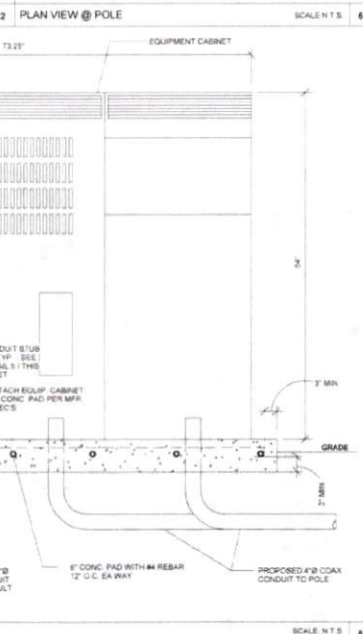
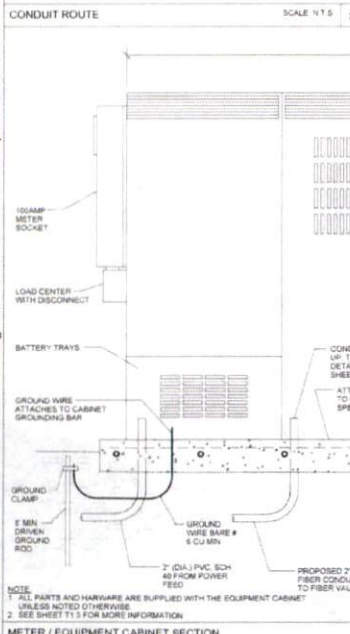
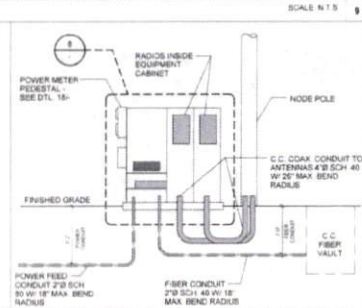
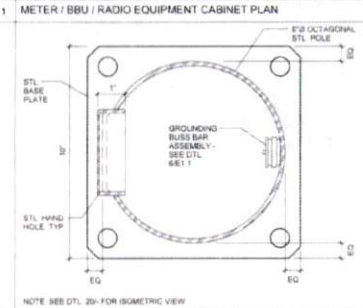
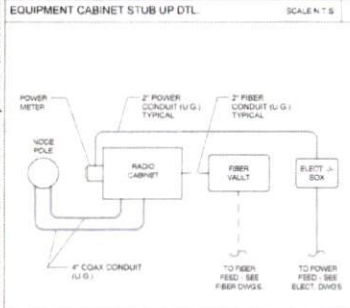
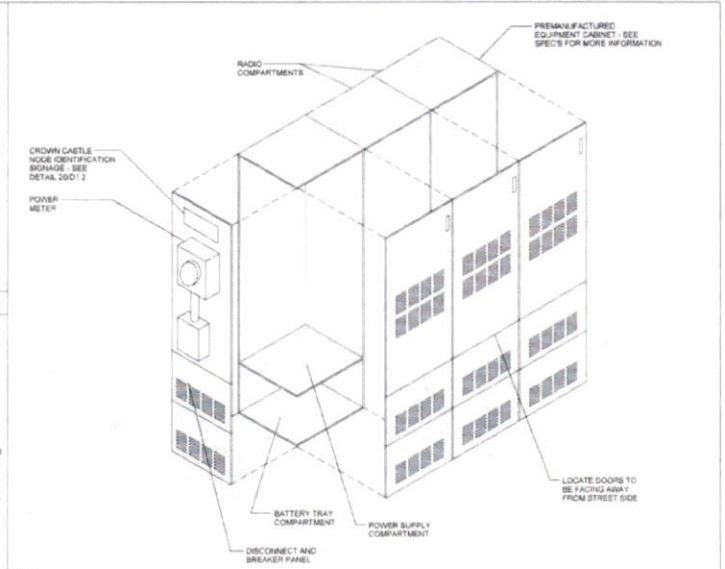
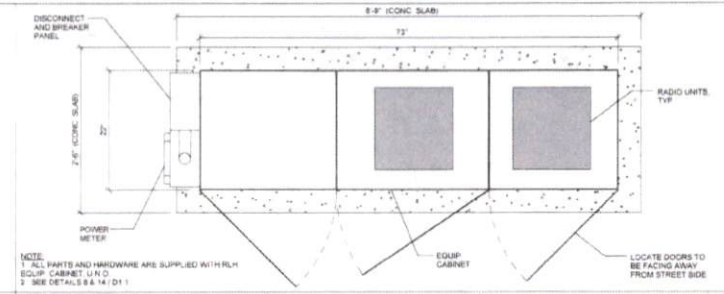
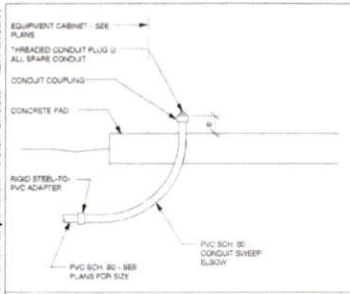
SHIFT JOB NUMBER 150602 IN HOUSE
DRAWN BY: NA CHECKED BY: CM

SHEET TITLE
POLE ELEVATION, PROPOSED

SHEET NUMBER 1 A1.2 PAGE 6 OF 14

PLOT SCALE: 1:1 @ 24"x36"; 1:2 @ 11"x17"

C:\Users\ruebe_000\Documents\AAA - Crown Castle\Houston\Cinco Ranch Expansion\Sties\Cinco Ranch Expansion - Detail Sheets - 12.14.15.rvt
 10/17/2016 3:28:55 PM



CROWN CASTLE
 CROWN CASTLE
 800 E. JOHN CARPENTER Fwy.
 SUITE 200
 IRVING, TX 75062

RECORD DRAWINGS ISSUE DATE: 10/19/16

SHIFT
 Shift Companies, LLC
 11111 WEST 90TH AVE
 SUITE 100
 WESTLAND, MO 64088

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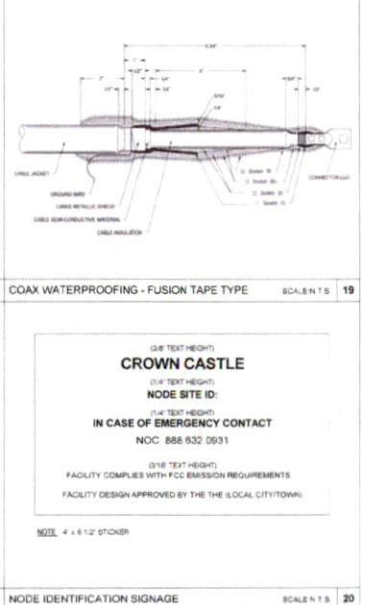
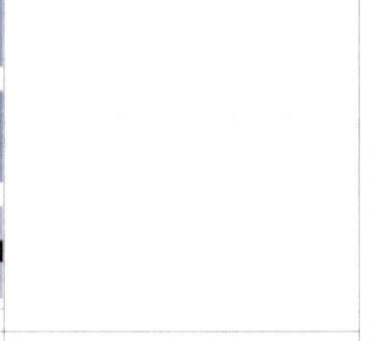
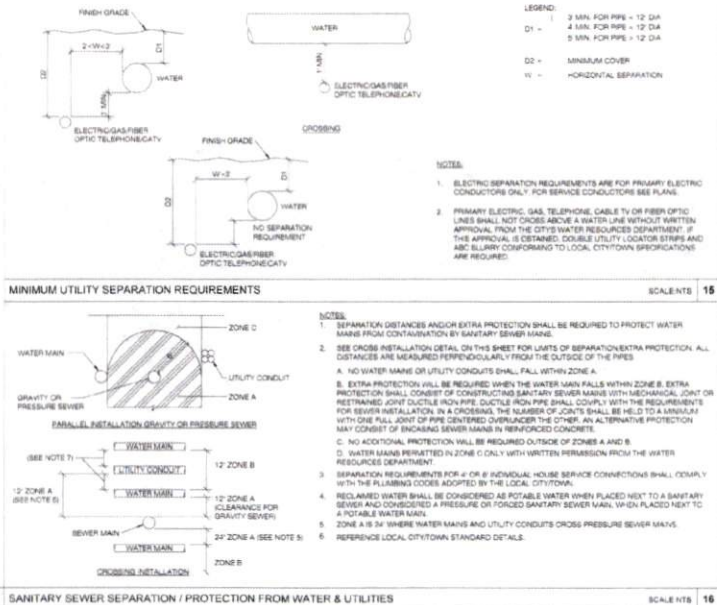
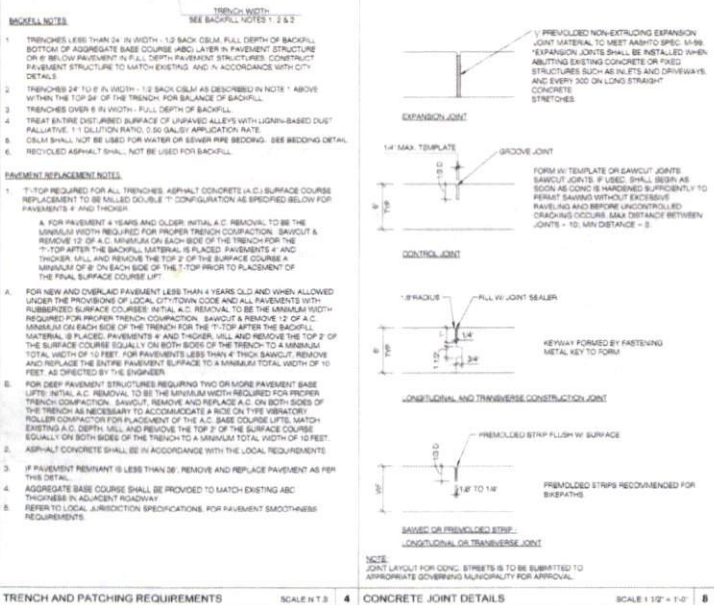
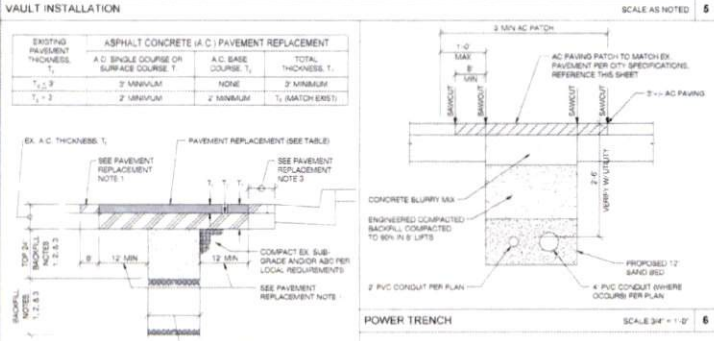
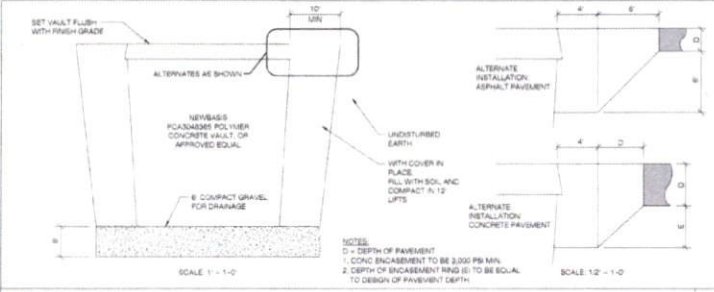
RELEASE DATE	SUBMITTAL
8/23/16	1ST CITY SUBMITTAL
10/19/16	2ND CITY SUBMITTAL

REVISIONS	NO.	DATE	COMMENT
	10/19/16		CITY COMMENTS

PROJECT NAME
CINCO RANCH EXPANSION

HUB AREA	
CINCO RANCH - HGCW	
SHIFT JOB NUMBER	IN HOUSE
150602	DRAWN BY: % CHECKED BY: CM
SHEET TITLE	
CONSTRUCTION DETAILS	
SHEET NUMBER	PAGE
D1.1	7 OF 14
PLOT SCALE: 1:1 @ 24x36" / 1:2 @ 11x17"	

PLAN CHECK #



Step #1: Prep

Step #2: Install

Step #3: Compress

Step #4: Torque

COAX WATERPROOFING - JMA TYPE

SCALE 1/2" = 1'-0"

SCALE AS NOTED

APPROVED: [Signature]

Development Coordinator

DATE: 11/1/16

CROWN CASTLE

800 E. JOHN CARPENTER Pkwy.
SUITE 300
IRVING, TX 75062

REGDNG DRAWINGS ISSUE DATE: 10/18/16

SHIFT

Shift Companies, LLC

11111 LITTLE LANE, SUITE 100
SCOTTSDALE, ARIZONA 85257
PH: 480.442.8100
TX: 480.294.8100

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RELEASE	
DATE	SUBMITTAL
8/23/16	1ST CITY SUBMITTAL
10/18/16	2ND CITY SUBMITTAL

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

PROJECT NAME

CINCO RANCH EXPANSION

(3/8" TEXT HEIGHT)

CROWN CASTLE

(1/4" TEXT HEIGHT)

NODE SITE ID:

(1/4" TEXT HEIGHT)

IN CASE OF EMERGENCY CONTACT

NOC: 886.632.0931

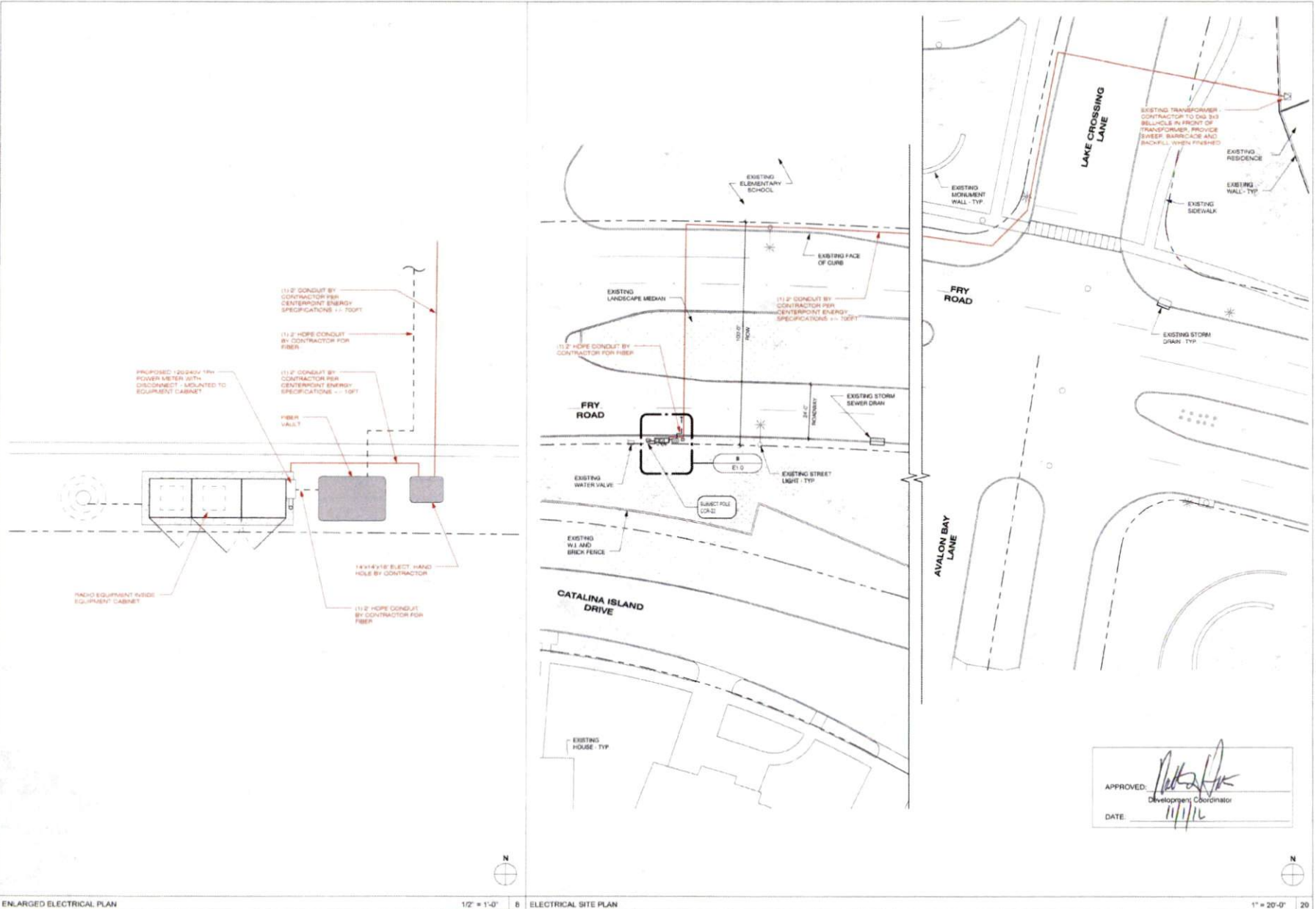
(3/8" TEXT HEIGHT)

FACILITY COMPLIES WITH FCC EMISSION REQUIREMENTS

FACILITY DESIGN APPROVED BY THE (LOCAL CITY/TOWN)

SIZE: 4 x 8 1/2 STICKER

HUB AREA	
CINCO RANCH - HGCW	
SHIFT JOB NUMBER	IN HOUSE
150602	NA
CHECKED BY:	DM
SHEET TITLE	
CONSTRUCTION DETAILS	
SHEET NUMBER	PAGE
D1.2	8 OF 14
PLOT SCALE: 1:1 @ 24"X36"; 1:2 @ 11"X17"	



ENLARGED ELECTRICAL PLAN

1/2" = 1'-0" 8 ELECTRICAL SITE PLAN

1" = 20'-0" 20



CROWN CASTLE
800 E. JOHN CARPENTER FWY
SUITE 300
IRVING, TX 75062

RECORD DRAWINGS ISSUE DATE: 10.16.16



Shift Companies, LLC
11111 KYLE WILKINS
SCOTTSDALE, ARIZONA 85257
PH: 480.344.8200
WF: 480.344.5183

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RELEASE	
DATE	SUBMITTAL
4/28/16	1ST CITY SUBMITTAL
10/16/16	IND. CITY SUBMITTAL

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

PROJECT NAME
CINCO RANCH EXPANSION

NODE ADDRESS
NODE #:CCR-22

FRY RD AND AVALON BAY LANE

HUB AREA
CINCO RANCH - HGCV

SHIFT JOB NUMBER **150602** IN HOUSE
DRAWN BY: RA
CHECKED BY: DM

SHEET TITLE
ELECTRICAL PLANS

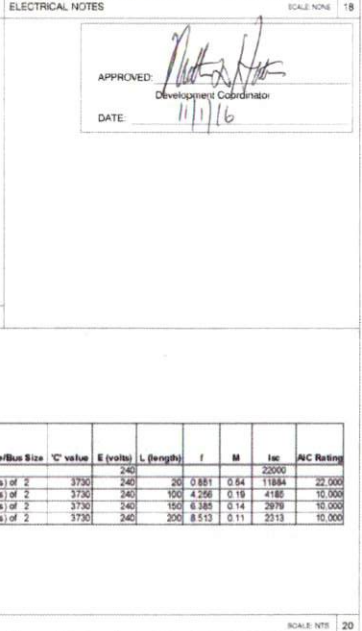
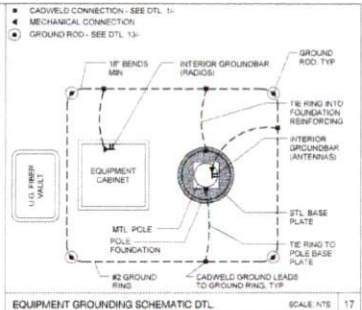
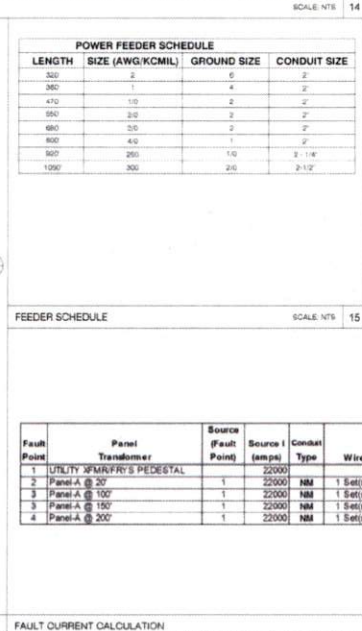
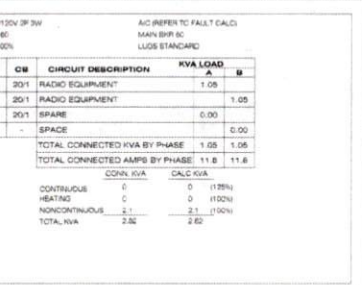
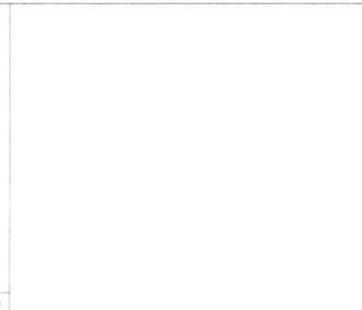
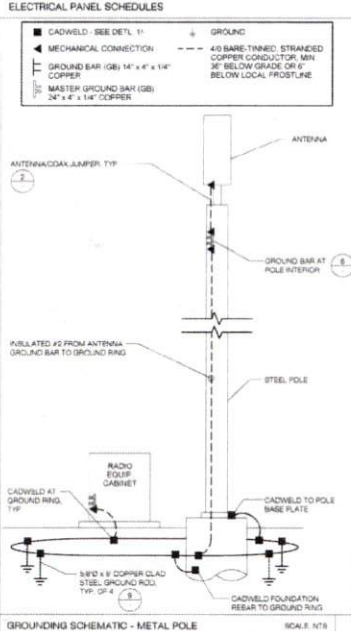
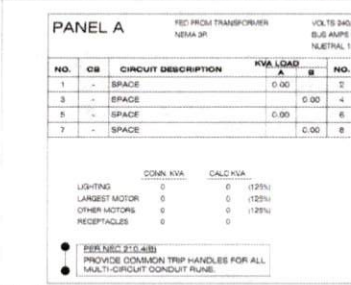
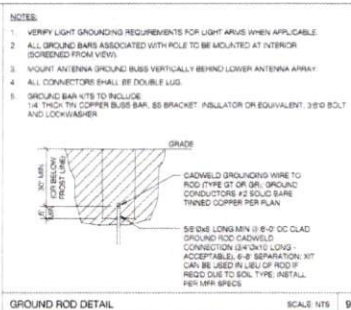
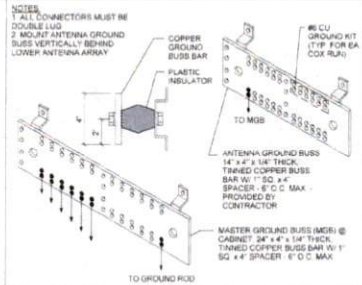
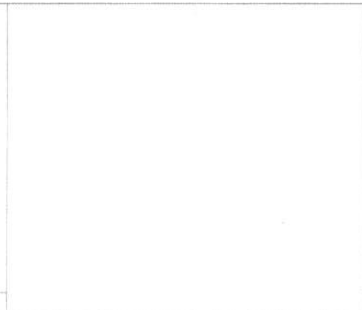
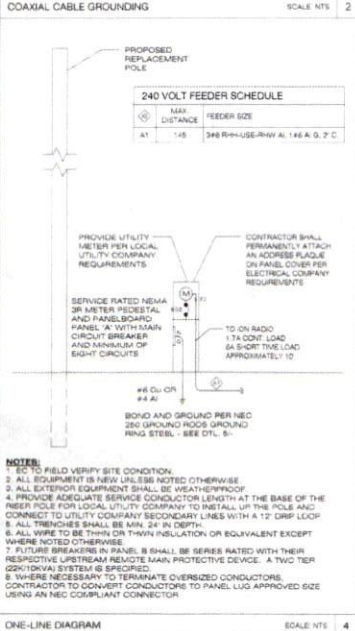
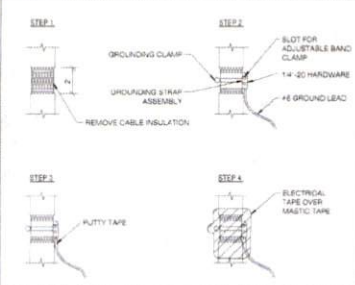
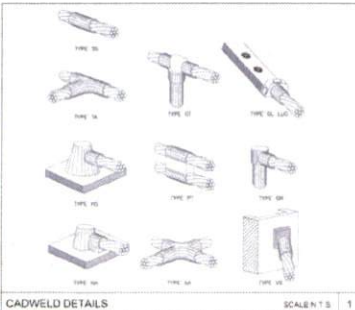
SHEET NUMBER **E1.0** PAGE **9 OF 14**

PLOT SCALE: 1:1 @ 24"x36"; 1:2 @ 11"x17"

APPROVED: *[Signature]*
DATE: 11/1/16
Development Coordinator

PLAN CHECK #

CASE #



CROWN CASTLE
 800 E. JOHN CARPENTER Fwy.
 SUITE 300
 IRVING, TX 75062

REC'D DRAWINGS ISSUE DATE: 10.18.16

SHIFT

Shift Companies, LLC
 7521 WEBB WITH SCAR
 SCOTTSMOORE, ARIZONA 85141
 DR. HELLGARDEN
 DR. WILSON/SHU

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DATE	SUBMITTAL
03.16	1ST CITY SUBMITTAL
10.16.16	2ND CITY SUBMITTAL

NO.	DATE	COMMENT
10-18-16		CITY COMMENTS

HUB AREA

CINCO RANCH - HGCW

SHIFT JOB NUMBER: 150602 IN HOUSE: DRAWN BY: SA CHECKED BY: CM

SHEET TITLE: ELECTRICAL DETAILS

SHEET NUMBER: E1.1 PAGE: 10 OF 14

PLOT SCALE: 1/1 @ 24x36; 1/2 @ 11x17

PLAN CHECK #