



PROJECT TEAM

PROJECT SUMMARY

1.1.1 Steel Index

INTERPOINT	

INTERPOINT	

INTERPOINT	

INTERPOINT	

INTERPOINT	



**CROWN
CASTLE**

1220 AUGUSTA DR.,
HOUSTON, TX 77067
PH: 409.343.4401



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HOUSTON, TX 77067
PH: 409.343.4401

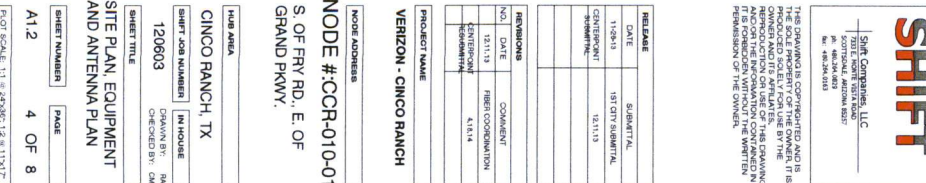
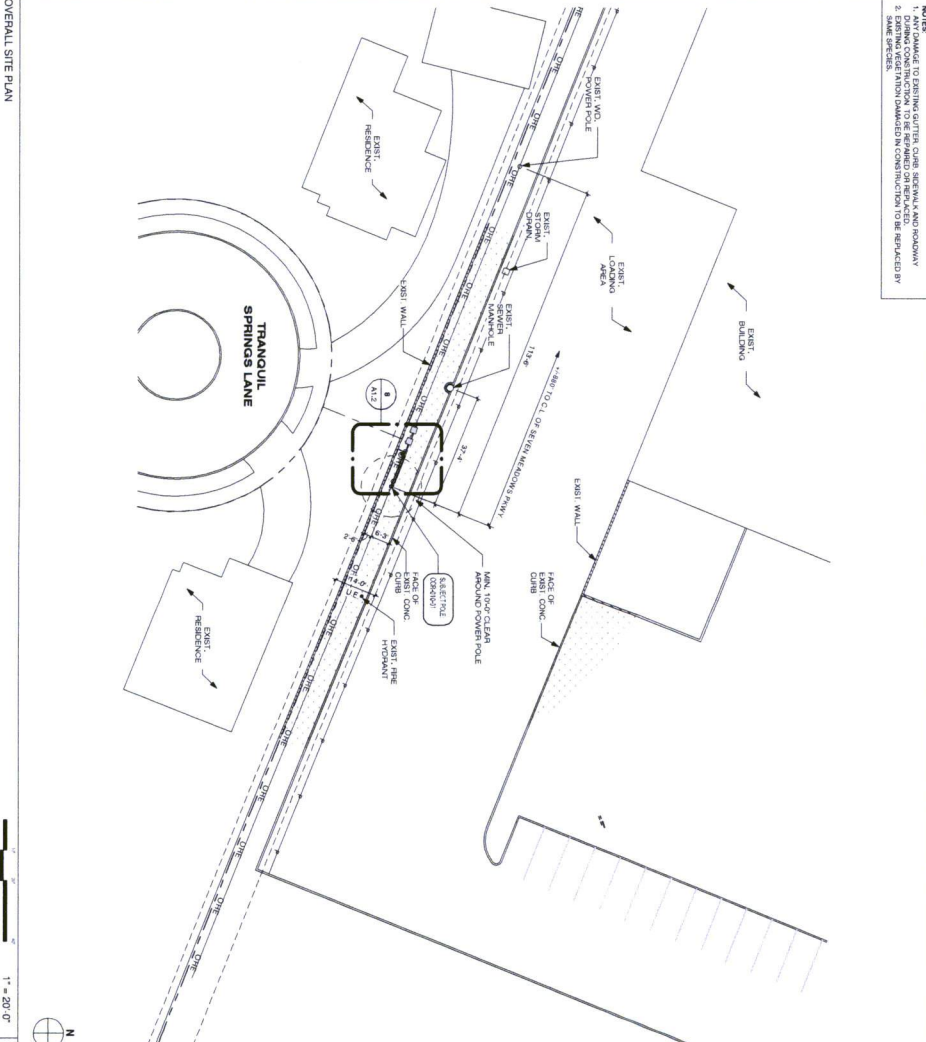
ANTENNA SPECIFICATIONS		RADIO SPECIFICATIONS	
<p>General Specifications</p> <p>Model: 840 10510</p> <p>Frequency: 1710-2170 MHz</p> <p>Power: 50W</p> <p>Dimensions: 11.5" x 11.5" x 11.5"</p> <p>Weight: 1.5 lbs</p> <p>Material: Aluminum</p> <p>Finish: Powder Coat</p> <p>Color: Silver</p> <p>Mounting: 1/2" x 1/2" x 1/2" (3/4" x 3/4" x 3/4")</p> <p>Connector: N-Type</p> <p>Impedance: 50 Ohms</p> <p>VSWR: 1.5:1</p> <p>Gain: 10 dBi</p> <p>Beamwidth: 120°</p> <p>Operating Temperature: -40°C to +70°C</p> <p>Storage Temperature: -55°C to +125°C</p> <p>Humidity: 5% to 95%</p> <p>Shock: 10g</p> <p>Vibration: 10g</p> <p>EMC: FCC Part 2, Subpart J</p> <p>CE: CE</p> <p>RoHS: RoHS</p> <p>REACH: REACH</p> <p>Warranty: 3 Years</p> <p>Lead Time: 4 Weeks</p> <p>Factory Address: 1234 Main St, Austin, TX 78701</p> <p>Phone: (512) 123-4567</p> <p>Email: info@kothrein.com</p> <p>Website: www.kothrein.com</p>		<p>IONM77/17P - Product Specification</p> <p>Model: IONM77/17P</p> <p>Frequency: 1710-2170 MHz</p> <p>Power: 50W</p> <p>Dimensions: 11.5" x 11.5" x 11.5"</p> <p>Weight: 1.5 lbs</p> <p>Material: Aluminum</p> <p>Finish: Powder Coat</p> <p>Color: Silver</p> <p>Mounting: 1/2" x 1/2" x 1/2" (3/4" x 3/4" x 3/4")</p> <p>Connector: N-Type</p> <p>Impedance: 50 Ohms</p> <p>VSWR: 1.5:1</p> <p>Gain: 10 dBi</p> <p>Beamwidth: 120°</p> <p>Operating Temperature: -40°C to +70°C</p> <p>Storage Temperature: -55°C to +125°C</p> <p>Humidity: 5% to 95%</p> <p>Shock: 10g</p> <p>Vibration: 10g</p> <p>EMC: FCC Part 2, Subpart J</p> <p>CE: CE</p> <p>RoHS: RoHS</p> <p>REACH: REACH</p> <p>Warranty: 3 Years</p> <p>Lead Time: 4 Weeks</p> <p>Factory Address: 1234 Main St, Austin, TX 78701</p> <p>Phone: (512) 123-4567</p> <p>Email: info@kothrein.com</p> <p>Website: www.kothrein.com</p>	
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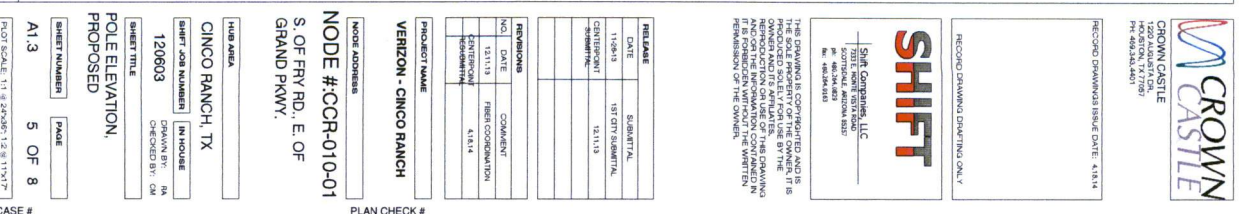
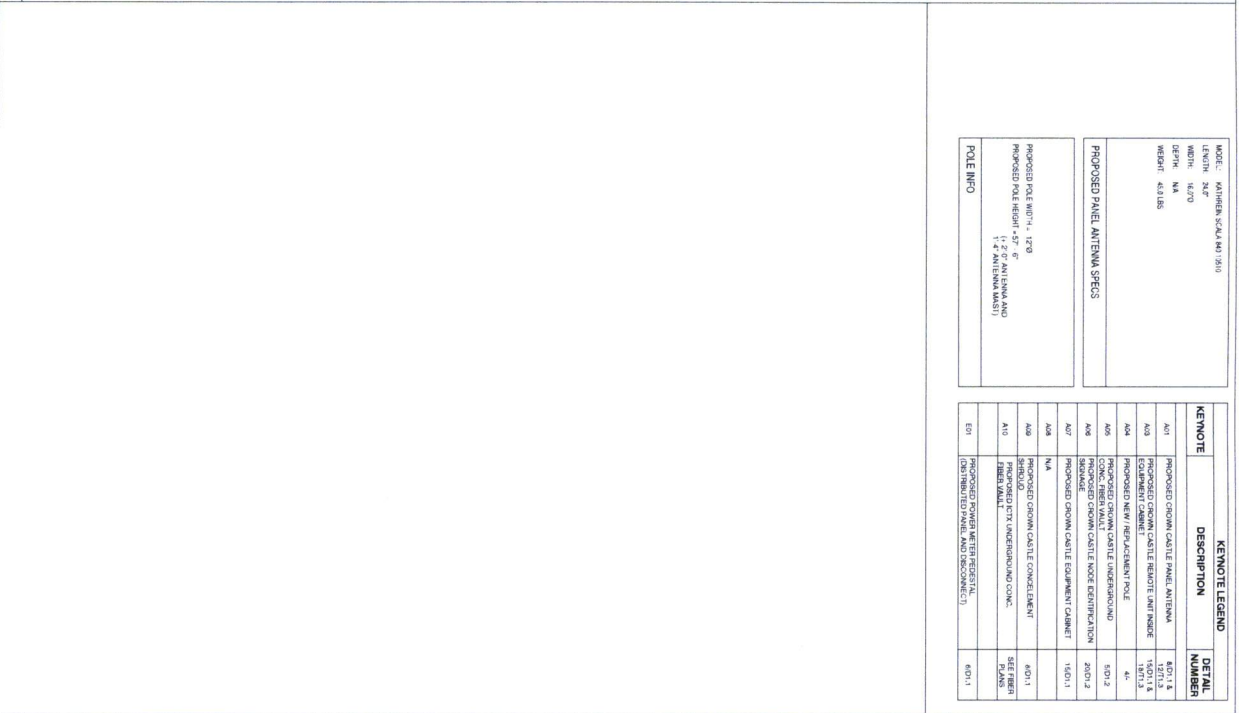
CROWN CASTLE		SHIFT COMPANIES, LLC	
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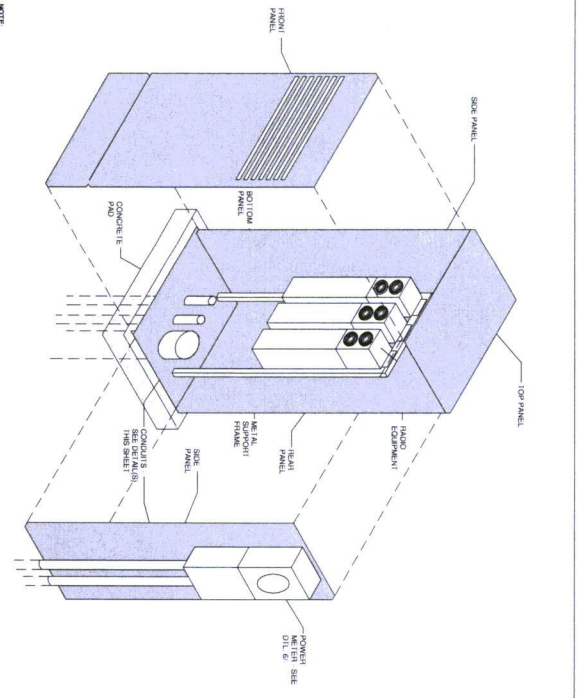
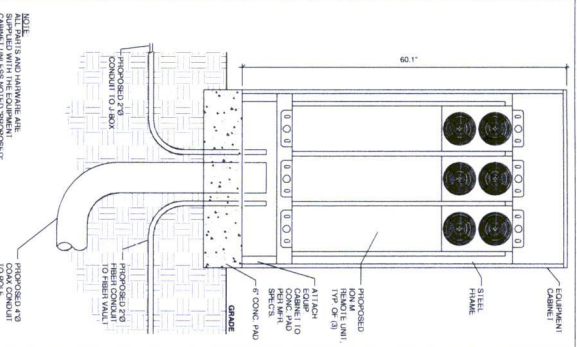
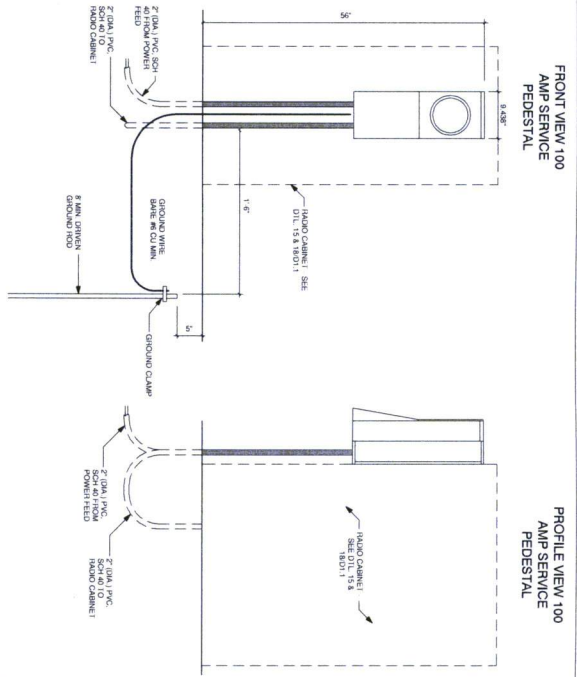
LATITUDE:	38.711660
LONGITUDE:	-98.775470
POLE TYPE:	WOOD POWER POLE
POLE #:	N/A

CROWN CASTLE
RECORD DRAWINGS ISSUE DATE: 11.1.14
RECORD DRAWINGS CHARTING ONLY

SFT







POWER METER - MOUNTED TO RADIO CABINET

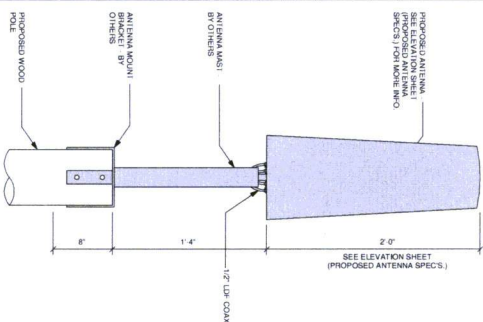
SCALE 1" = 1'-0"

EQUIPMENT CABINET SECTION

SCALE N.T.S.

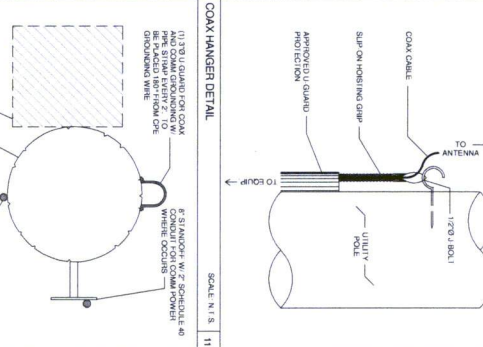
EQUIPMENT ENCLOSURE

SCALE N.T.S.



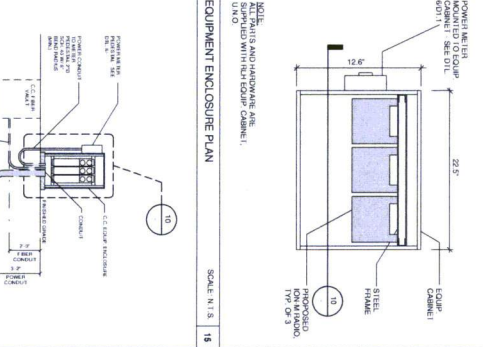
ANTENNA MOUNTING DETAIL

SCALE N.T.S.



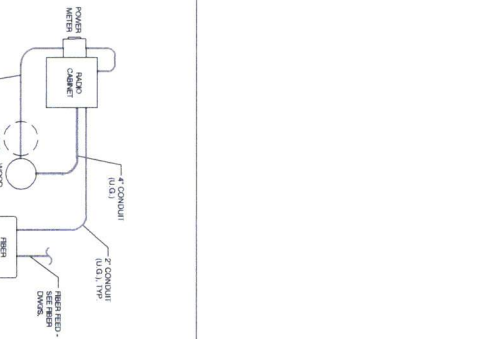
COAX HANGER DETAIL

SCALE N.T.S.



EQUIPMENT ENCLOSURE PLAN

SCALE N.T.S.



CONDUIT ROUTE

SCALE N.T.S.



RECORD DRAWING ISSUE DATE: 4/18/14
PROJECT: CINCO RANCH
SHEET: 120603
DATE: 4/18/14



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PROJECT NAME: CINCO RANCH
PROJECT ADDRESS: S. OF FRY RD., E. OF GRAND PAVY
PROJECT NUMBER: CCR-010-01

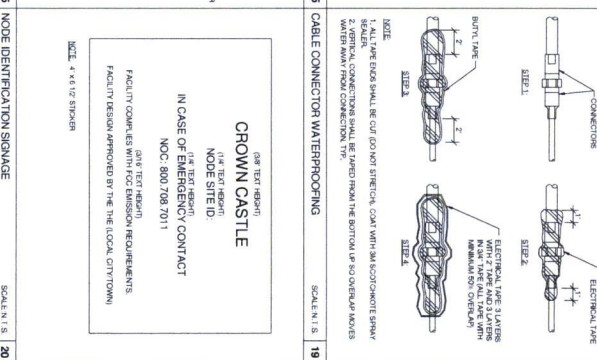
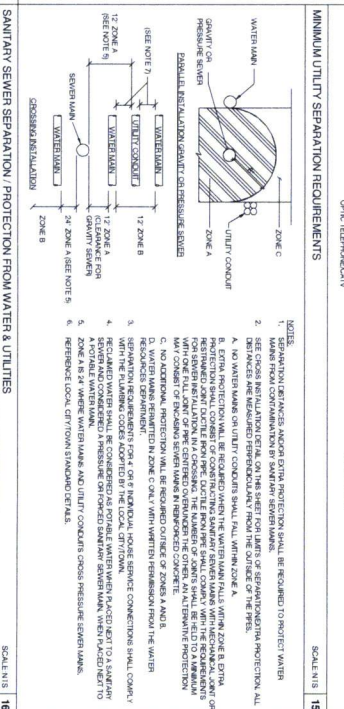
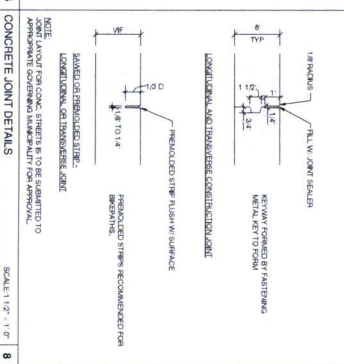
NO.	DATE	REVISION
1	12/11/13	FINAL CONSTRUCTION
2	12/11/13	REVISION
3	12/11/13	REVISION


PROJECT NAME: CINCO RANCH
PROJECT ADDRESS: S. OF FRY RD., E. OF GRAND PAVY
PROJECT NUMBER: CCR-010-01

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PROJECT NUMBER: CCR-010-01

PROJECT ADDRESS: S. OF FRY RD., E. OF GRAND PAVY
PROJECT NUMBER: CCR-010-01





CROWN CASTLE
1500 MAGNIFY DR.
FARMINGTON, CT 06030
Ph: (860)344-4000

RECORD DRAWING ISSUE DATE: 4.16.14

RECORD DRAWING CHARTING ONLY

SHIFT

SHIFT COMPANY, LLC
10000 W. 10TH AVE.
SOUTHFIELD, MICHIGAN 48033
Ph: (480)244-0000

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RELEASE		SUBMITTAL	
DATE	1-29-13	1ST CITY SUBMITTAL	12.11.13
CENTERPOINT			
NO. DATE			

REVISIONS		COMMENT	
NO.	DATE	12.11.13	FIRST SUBMITTAL
DESCRIPTION		4.16.14	

PROJECT NAME

VERIZON - CINCO RANCH

MODE ADDRESS

MODE #:#CGR-010-01

S. OF FRY RD. E. OF
GRAND PKWY.

HUB DATA

CINCO RANCH, TX

SHIFT JOB NUMBER

120603

IN HOUSE

CHANGED BY: CM

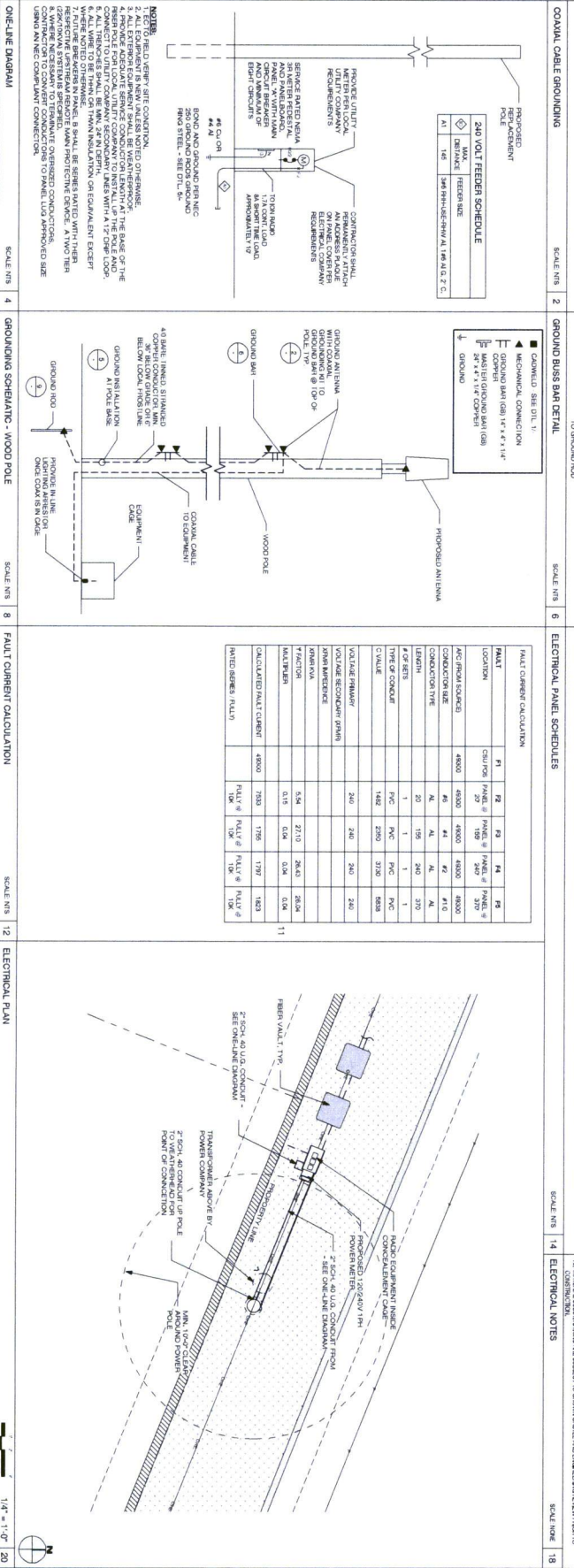
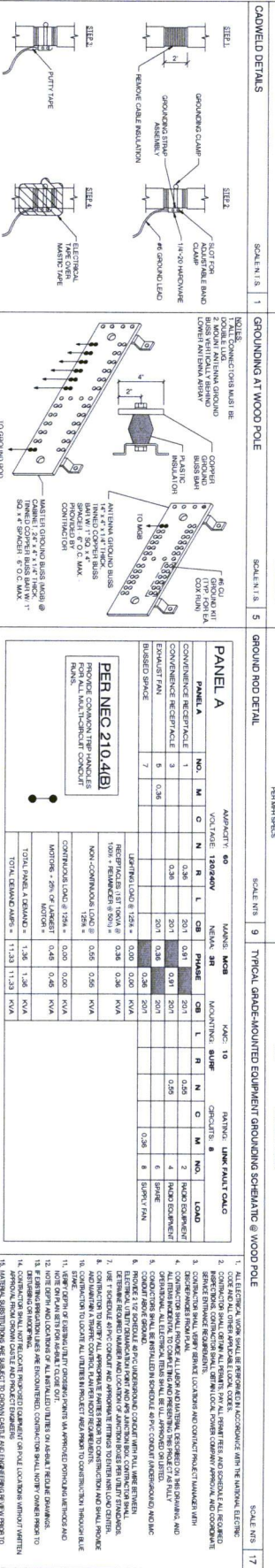
SHEET TITLE

CONSTRUCTION DETAILS

SHEET NUMBER

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PROJECT TEAM

PROJECT SUMMARY

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21-14	CENTERPO
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21-14	CENTERPO
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CROWN CASTLE
1220 AUSTRIA DR.
SUITE 100
PR 495340-4401

SHIFT

RECORD DRAWING CHARTING ONE, V

SHIFT

SCOTTSDALE, ARIZONA 85267

PR 495340-4401

ISA COMPANY, LLC

10000 N. CENTRAL EXPRESSWAY

SCOTTSDALE, ARIZONA 85267

PR 495340-4401

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REVISIONS

NO.	DATE	COMMENT
1	12/11/13	ISSUE FOR CONSTRUCTION
2	4/12/14	CENTRUM RESIDENTIAL

PROJECT NAME

VERIZON - CINCO RANCH

MOORE ADDRESS

NODE #:CCR-005-01

SEVEN MEADOWS PKWY., S. OF FRY RD.

FIELD AREA

CINCO RANCH, TX

SHEET JOB NUMBER

120603

SHEET TITLE

IN HOUSE

DRAWN BY: CM

CHECKED BY: CM

SHEET NUMBER

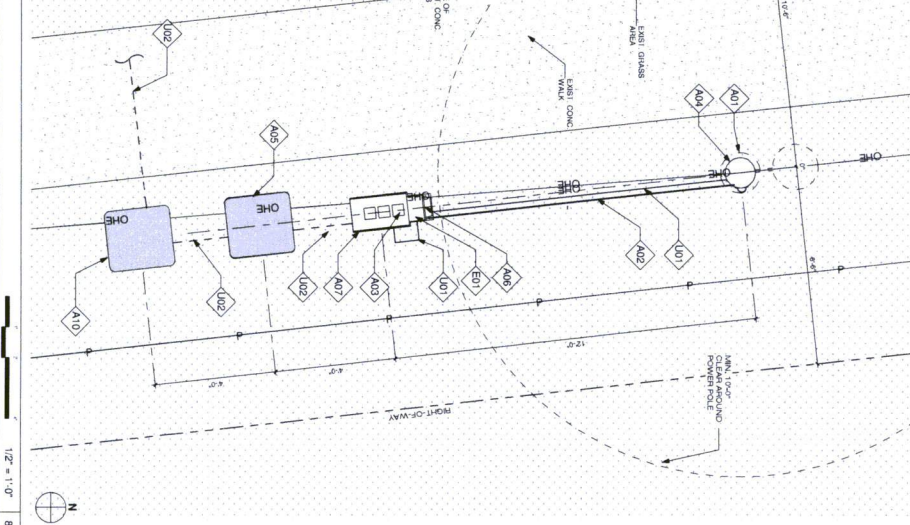
2 OF 8

GENERAL NOTES

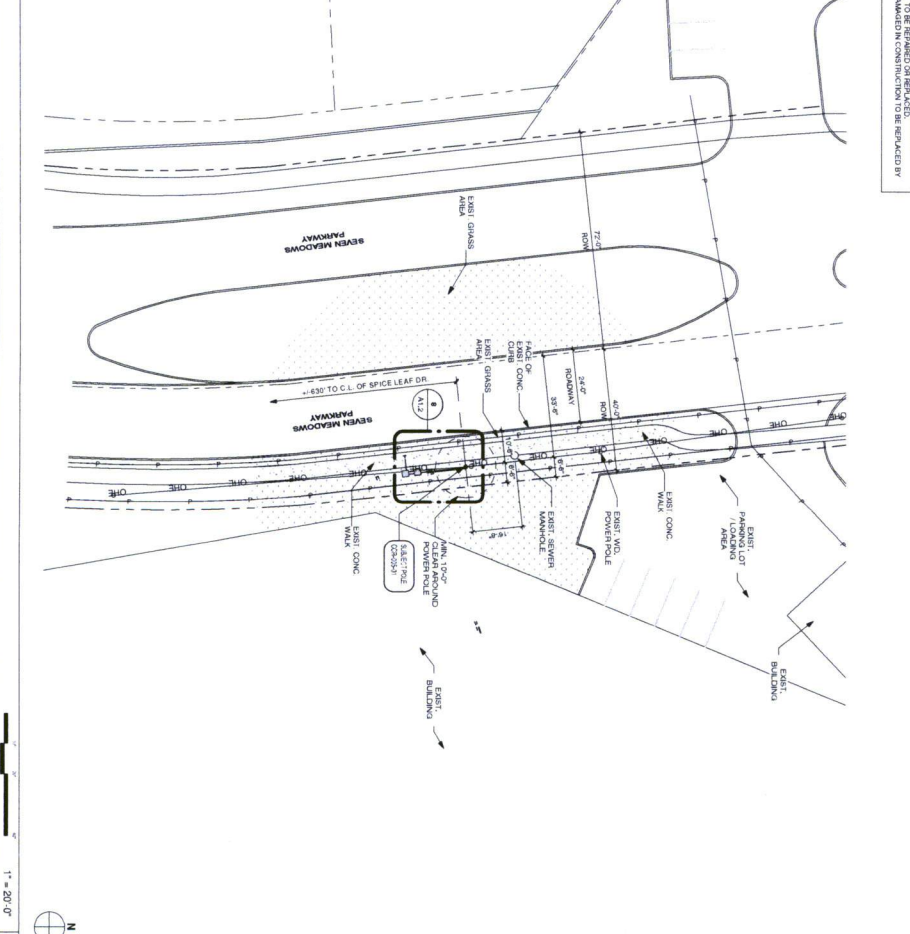
ABOVE ELEVATIONS AND SYMBOLS

SCALE: 1" = 20' (0'0" TO 12" = 17' x 17')

EQUIPMENT AND ANTENNA PLAN



OVERALL SITE PLAN



20

KEYNOTE	DESCRIPTION	DETAIL
A10	PROPOSED CROWN CASTLE TOWER ANTENNA N	4x10.1
A11	PROPOSED CROWN CASTLE TOWER ANTENNA E	12x11.2
A12	PROPOSED CROWN CASTLE TOWER ANTENNA S	20x11.1
E10	PROPOSED CROWN CASTLE TOWER EQUIPMENT ENCLOSURE	12x11.1
E11	PROPOSED CROWN CASTLE TOWER EQUIPMENT ENCLOSURE	12x11.1
E12	PROPOSED CROWN CASTLE TOWER EQUIPMENT ENCLOSURE	12x11.1
U10	PROPOSED CROWN CASTLE TOWER UNDERGROUND ROUTE TO EQUIPMENT ENCLOSURE	4x10.1
U11	PROPOSED CROWN CASTLE TOWER UNDERGROUND ROUTE TO EQUIPMENT ENCLOSURE	4x10.1
U12	PROPOSED CROWN CASTLE TOWER UNDERGROUND ROUTE TO EQUIPMENT ENCLOSURE	4x10.1
W10	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W11	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W12	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W13	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W14	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W15	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W16	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W17	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W18	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W19	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W20	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1

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W15	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W16	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
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W18	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W19	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1
W20	PROPOSED CROWN CASTLE TOWER WALKWAY	12x11.1

NOTES:
1. ANY DAMAGE TO EXISTING UTILITIES, CURB, SIDEWALK AND ROADWAY SHALL BE REPAIRED BY THE CONTRACTOR.
2. EXISTING UTILITIES SHOWN IN CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR.
3. EXISTING UTILITIES SHOWN IN CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR.

LATITUDE	28.71390
LONGITUDE	-97.77400
POLE TYPE	WOOD POWER POLE
POLE ID #	N/A

- GENERAL NOTES**
1. PAINT PROPOSED CROWN CASTLE EQUIPMENT ENCLOSURE COLOR ON CONCRETE TO MATCH EXISTING EQUIPMENT ENCLOSURE COLOR.
 2. CONSTRUCTION TO FIELD LOCATE EXIST. UNDERGROUND UTILITIES.
 3. PROTECT EXISTING UTILITIES AND SURROUNDING LANDSCAPE.
 4. EXISTING UTILITIES SHOWN IN CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR.
 5. CONSTRUCTION TO MATCH EXISTING UTILITIES TO EXISTING UTILITIES.
 6. SITE PLANS ARE A REPRESENTATION ONLY. VERIFY ALL UTILITIES AND SURROUNDING LANDSCAPE.
 7. VERIFY ALL UTILITIES ARE REPRESENTED WITH AVAILABLE FIELD DATA.
 8. VERIFY ALL UTILITIES ARE REPRESENTED WITH AVAILABLE FIELD DATA.
 9. VERIFY ALL UTILITIES ARE REPRESENTED WITH AVAILABLE FIELD DATA.
 10. VERIFY ALL UTILITIES ARE REPRESENTED WITH AVAILABLE FIELD DATA.



RECORD DRAWING DATE: 4/17/14
RECORD DRAWING SHEET: ONLY

SHIFT
SHIFT COMPANIES, LLC
1001 NORTH TEXAS ROAD
SUITE 100
DALLAS, TEXAS 75201
TEL: 469-246-6000

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REVISIONS	NO.	DATE	COMMENT
1	15.11.13	15.11.13	PERIN COOPERATION
2	4.17.14	4.17.14	CENTURANT RESUBMITTAL

PROJECT NAME
VERNON - CINCO RANCH

NO. ADDRESS
CINCO RANCH, TX

SHEET JOB NUMBER
120603

SHEET TITLE
SITE PLAN, EQUIPMENT AND ANTENNA PLAN

SHEET NUMBER
A1.2

DATE
4 OF 8

PROJECT NAME
VERNON - CINCO RANCH

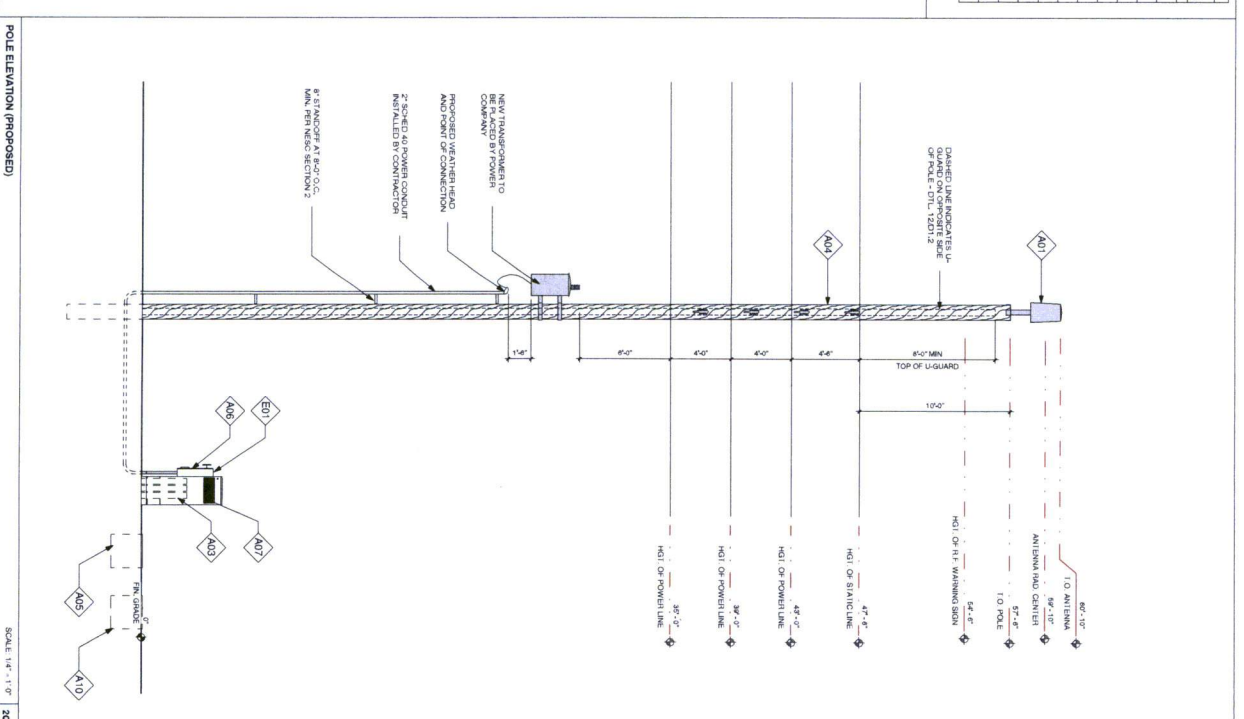
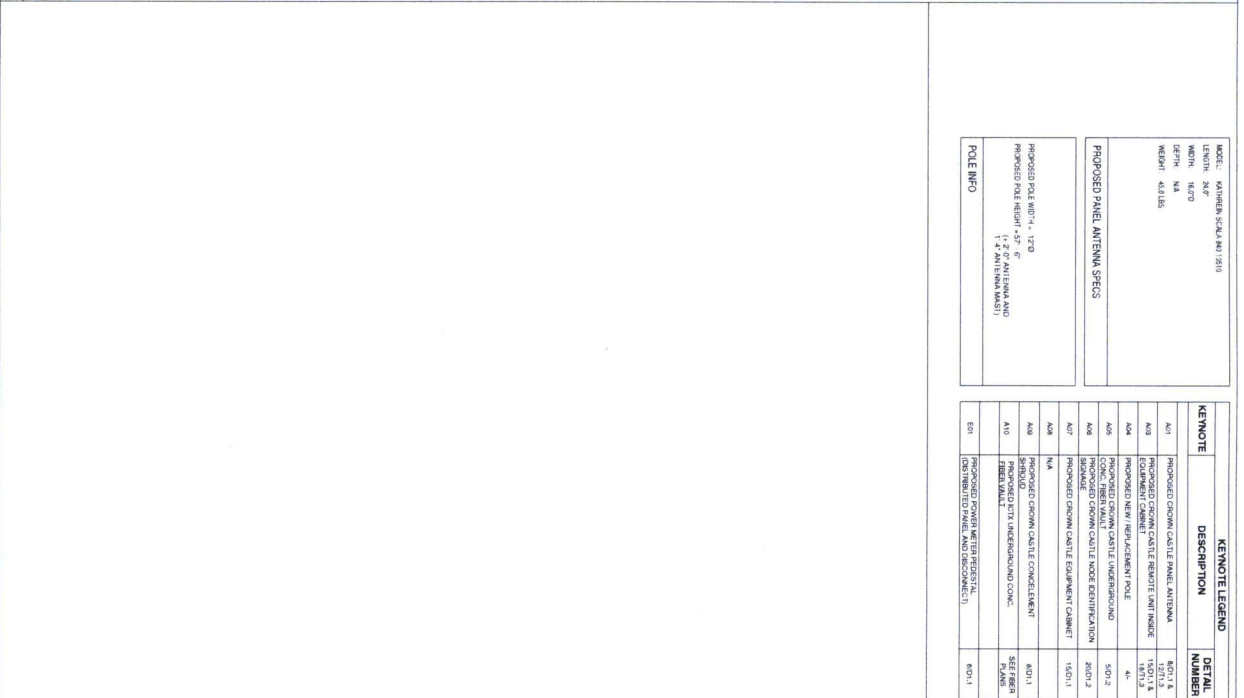
NO. ADDRESS
CINCO RANCH, TX

SHEET JOB NUMBER
120603

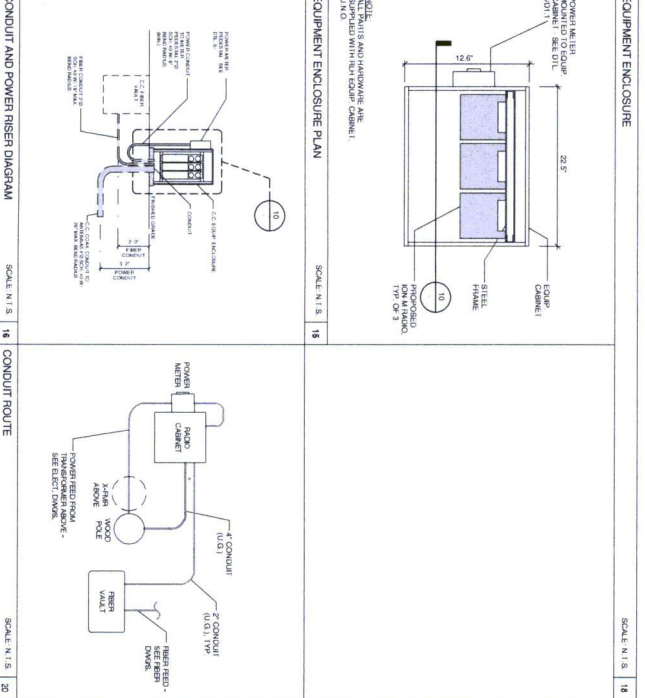
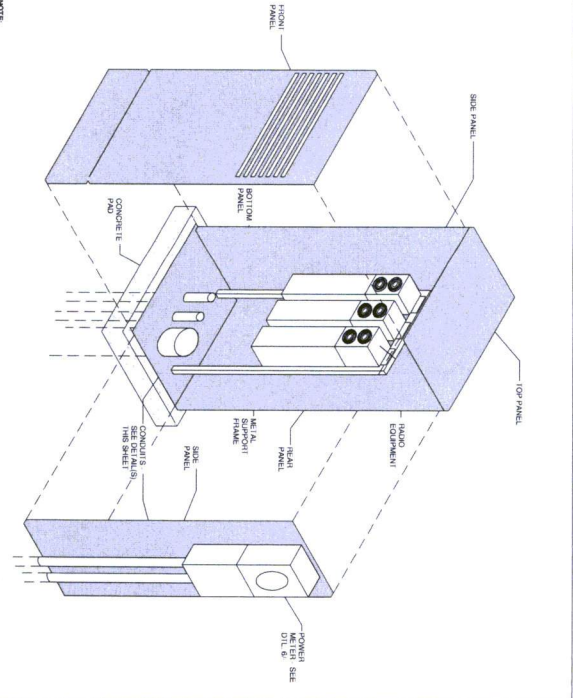
SHEET TITLE
SITE PLAN, EQUIPMENT AND ANTENNA PLAN


SHEET NUMBER
A1.2

DATE
4 OF 8



<p>CROWN CASTLE 1000 ALABAMA AVE. HOUSTON, TX 77055 PH: 409-263-1400</p>	<p>RECORD DRAWINGS SHED DATE: 4/17/14</p>	<p style="text-align: center;"> CROWN CASTLE </p>	<p style="text-align: center;"> SHIFT </p>	<p style="text-align: center;"> SHIFT CORPORATION, LLC 1000 ALABAMA AVE. HOUSTON, ALABAMA 5557 PH: 409-263-1400 </p>												
<p>THIS DRAWING IS CONSIDERED VOID IF NOT REPRODUCED EXACTLY AS SHOWN. IT IS PRODUCED SOLELY FOR USE BY THE ISSUING FIRM AND IS NOT TO BE REPRODUCED OR USED FOR THIS DRAWING IT IS CONSIDERED WITHOUT THE WRITTEN PERMISSION OF THE OWNER.</p>																
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RELEASE	BY/DATE	REASON														
DATE	BY/DATE	REASON														
1/28/13	151 CITY SUBMITTAL															
1-31-14	CENTERPOINT SUBMITTAL															
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REVISIONS	BY/DATE	COMMENT														
NO.	DATE	COMMENT														
1511/13	1511/13	WIRE COORDINATION														
4/17/14	4/17/14	CENTERPOINT RESUBMITAL														
<p>PROJECT NAME</p>																
<p>VERSION - CINCO RANCH</p>																
<p>MODE ADDRESS</p>																
<p>NOTE #:CCR-005-01</p>																
<p>SEVEN MEADOWS PKWY., S. OF FRY RD.</p>																
<p>HUB AREA</p>																
<p>CINCO RANCH, TX</p>																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">SHIFT JOB NUMBER</th> <th style="width: 60%;">IN HOUSE</th> </tr> </thead> <tbody> <tr> <td>120603</td> <td>IN HOUSE</td> </tr> <tr> <td></td> <td>CHECKED BY: CM</td> </tr> </tbody> </table>					SHIFT JOB NUMBER	IN HOUSE	120603	IN HOUSE		CHECKED BY: CM						
SHIFT JOB NUMBER	IN HOUSE															
120603	IN HOUSE															
	CHECKED BY: CM															
<p>SHEET TITLE</p>																
<p>POLE ELEVATION, PROPOSED</p>																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;">SHEET NUMBER</th> <th style="width: 60%;">PAGE</th> </tr> </thead> <tbody> <tr> <td>A1.3</td> <td>5 OF 8</td> </tr> </tbody> </table>					SHEET NUMBER	PAGE	A1.3	5 OF 8								
SHEET NUMBER	PAGE															
A1.3	5 OF 8															





CROWN CASTLE
 RECORD DRAWMAN: DRAWMAN001

RECORD DRAWMAN ISSUE DATE: 4/17/14

PROJECT: 111-17082
 PROJECT NAME: 111-17082
 PROJECT ADDRESS: 111-17082

SHIFT

SHIFT COMPANY, LLC
 15111 NORTH 15TH AVENUE
 SUITE 100
 DENVER, CO 80242
 PHONE: 303.443.4433

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REVISION	DATE	SUBMITTAL
15111-1	11/1/13	11/1/13 SUBMITTAL
15111-2	11/1/13	CONSTRUCTION SUBMITTAL

REVISION	DATE	COMMENT
15111-1	11/1/13	FINAL CONSTRUCTION
15111-2	11/1/13	CONSTRUCTION SUBMITTAL

PROJECT NAME: VERIZON - CINCO RANCH

NOTE ADDRESS: SEVEN MEADOWS PKWY., S. OF FRY RD.

NOTE #/CCR-005-01

HUB DATA

CINCO RANCH, TX

SHEET JOB NUMBER: 120603

DRAWN BY: CA

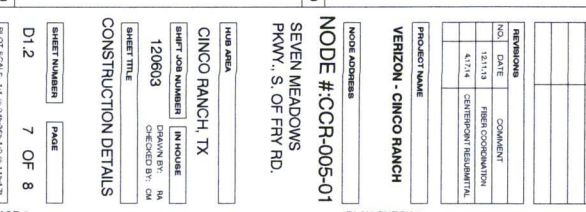
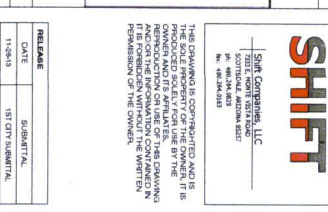
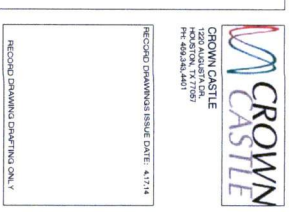
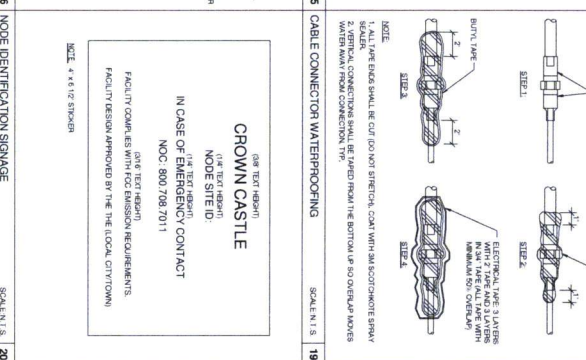
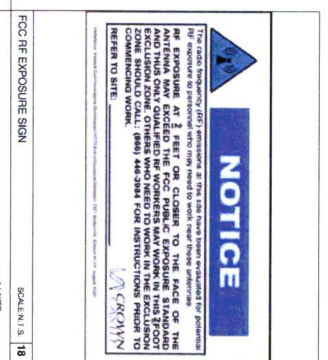
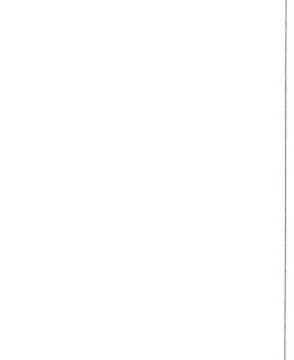
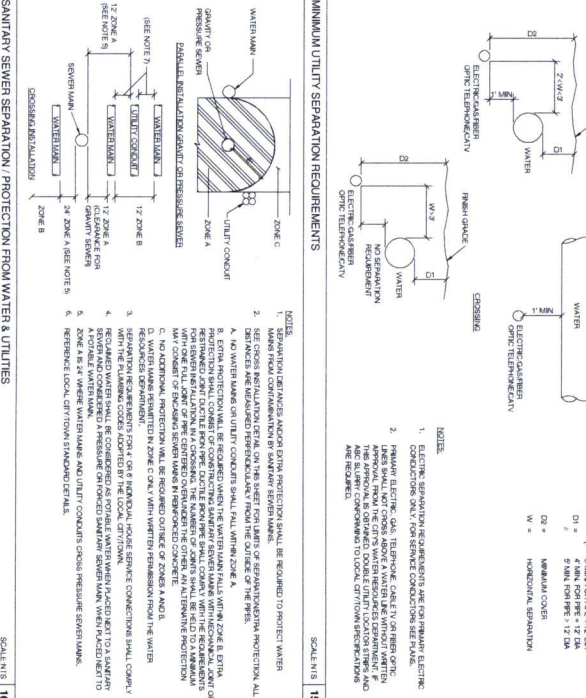
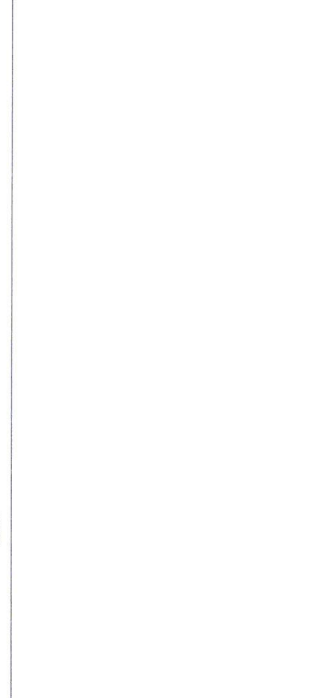
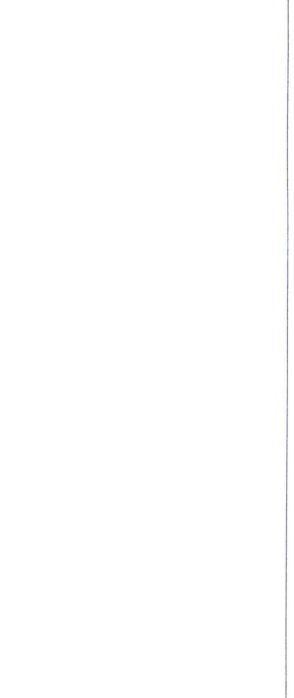
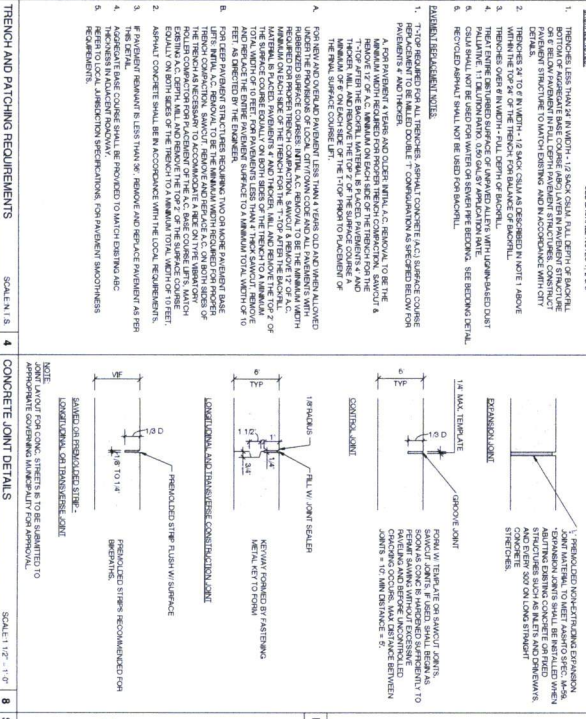
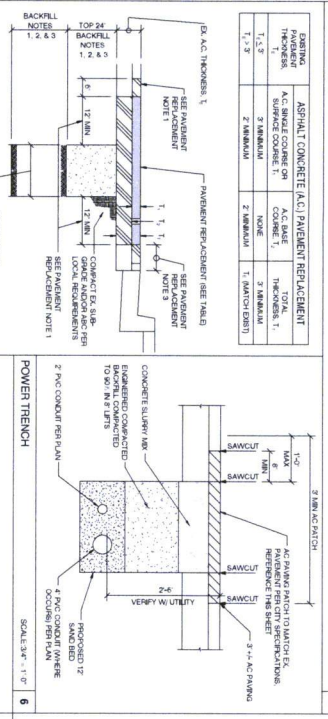
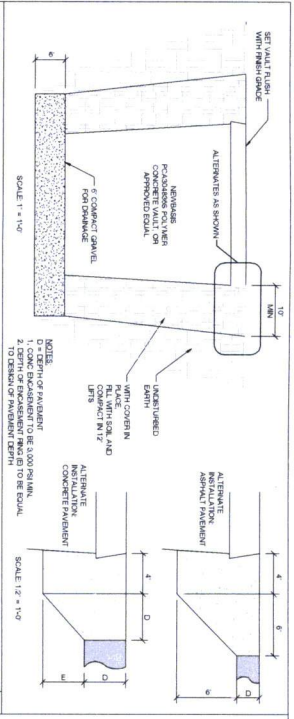
CHECKED BY: CA

SHEET TITLE: CONSTRUCTION DETAILS

SHEET NUMBER: PAGE

6 OF 8

CASE #





SCALI



8041



5



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NTS



HOW



ONE



8



E NTS

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0.

NOT FOR CONSTRUCTION

IONM47/17P Product Specification

IONM47/17P Product Specification


Item	Item Description	Unit	Value
1	Frequency range, MHz	MHz	100.000 - 100.000
2	Power, dBm	dBm	100.000
3	Power, dBm	dBm	100.000
4	Power, dBm	dBm	100.000
5	Power, dBm	dBm	100.000
6	Power, dBm	dBm	100.000
7	Power, dBm	dBm	100.000
8	Power, dBm	dBm	100.000
9	Power, dBm	dBm	100.000
10	Power, dBm	dBm	100.000
11	Power, dBm	dBm	100.000
12	Power, dBm	dBm	100.000
13	Power, dBm	dBm	100.000
14	Power, dBm	dBm	100.000
15	Power, dBm	dBm	100.000
16	Power, dBm	dBm	100.000
17	Power, dBm	dBm	100.000
18	Power, dBm	dBm	100.000
19	Power, dBm	dBm	100.000
20	Power, dBm	dBm	100.000
21	Power, dBm	dBm	100.000
22	Power, dBm	dBm	100.000
23	Power, dBm	dBm	100.000
24	Power, dBm	dBm	100.000
25	Power, dBm	dBm	100.000
26	Power, dBm	dBm	100.000
27	Power, dBm	dBm	100.000
28	Power, dBm	dBm	100.000
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74	Power, dBm	dBm	100.000
75	Power, dBm	dBm	100.000
76	Power, dBm	dBm	100.000
77	Power, dBm	dBm	100.000
78	Power, dBm	dBm	100.000
79	Power, dBm	dBm	100.000
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83	Power, dBm	dBm	100.000
84	Power, dBm	dBm	100.000
85	Power, dBm	dBm	100.000
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89	Power, dBm	dBm	100.000
90	Power, dBm	dBm	100.000
91	Power, dBm	dBm	100.000
92	Power, dBm	dBm	100.000
93	Power, dBm	dBm	100.000
94	Power, dBm	dBm	100.000
95	Power, dBm	dBm	



CROWN CASTLE
1250 JAMES ST.
FARMINGTON, CT 06030

RECORD DRAWING/ISSUE DATE: 4/17/14

DATE: 4/17/14



SHIFT

SHIFT COMPANIES, LLC
10000 W. 10TH AVE.
SUITE 100
DENVER, CO 80202
TEL: 303.440.6433

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RELEASE	
DATE	SUBMITTAL
11-09-13	1ST CITY SUBMITTAL
1-2-14	CORRECTION SUBMITTAL

REVISIONS		
NO.	DATE	COMMENT
1	12/1/13	FINAL CORRECTION
2	4/17/14	CORRECTION RESUBMITTAL

PROJECT NAME: VERIZON - CINCO RANCH

WORK ADDRESS: NODE #CCR-005-01

SEVEN MEADOWS PKWY, S. OF FRY RD.

HUB AREA: CINCO RANCH, TX

SHEET JOB NUMBER: 120603

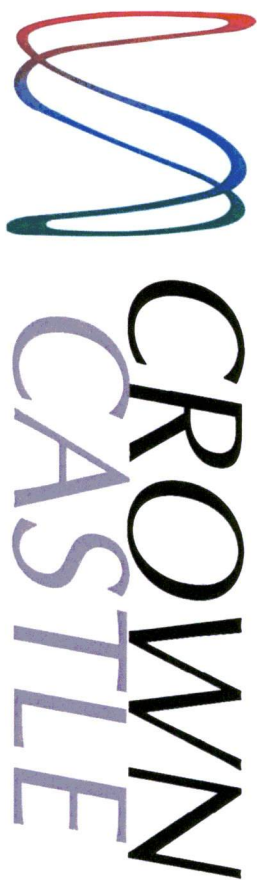
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DESIGNED BY: JAM
CHECKED BY: JAM

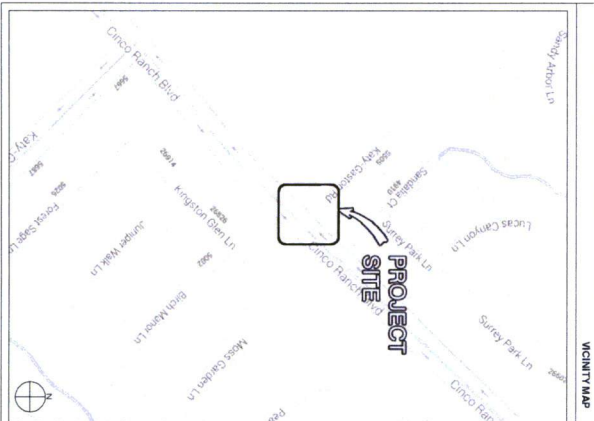
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PAGE: 8 OF 8

PROJECT SCALE: 1"=10'-0" (1"=12'-0" & 1"=14'-0")



PROJECT NAME: VERIZON - CINCO RANCH
PROJECT ADDRESS: CINCO RANCH BLVD. & KATY-GASTON RD.
PROJECT TYPE: METAL SLIMLINE POLE
HUB AREA: CINCO RANCH, TX
NODE #(s): CCR-011-01
COORDINATES: LAT: 29.718380, LONG: -95.809560



PROJECT TEAM	
ARCHITECT Company: SHIFT CONSULTING Address: 1101 NORTH TEXAS ROAD HOUSTON, TX 77060 Phone Number: 281-246-1000 Fax Number: 281-246-1000 Contact: BRUCE POTTER	STRUCTURAL Company: HMC - PROGRESSIVE C.T.S. Address: 5415 N. 170TH ST. STE. 250 HOUSTON, TX 77060 Phone Number: 281-246-1000 Fax Number: 281-246-1000 Contact: BRUCE POTTER
PROJECT MANAGER Company: CROWN CASTLE Address: 1209 ALADDIN LANE HOUSTON, TX 77060 Phone Number: 281-246-1000 Fax Number: 281-246-1000 Contact: BRUCE POTTER	RF ENGINEER Company: CROWN CASTLE Address: 1209 ALADDIN LANE HOUSTON, TX 77060 Phone Number: 281-246-1000 Fax Number: 281-246-1000 Contact: BRUCE POTTER

PROJECT SUMMARY	
PROJECT NAME: VERIZON - CINCO RANCH	APPLICANT: CROWN CASTLE 1209 ALADDIN LANE HOUSTON, TX 77060 CONTACT: BRUCE POTTER
PROJECT AREA: CINCO RANCH, TX	CODES: 2009 INTERNATIONAL BUILDING CODE (IBC) 2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2008 NATIONAL ELECTRICAL CODE (NEC) 2008 NATIONAL ELECTRICAL SAFETY CODE (NEOS)
ABSTRACTION: CROWN CASTLE ENGINEERING DATA 1101 NORTH TEXAS ROAD HOUSTON, TX 77060 PHONE: 281-246-1000 FAX: 281-246-1000 CONTACT: BRUCE POTTER	HANDICAPPED REQUIREMENTS: FACILITY IS UNMANNED AND NOT FOR HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED.
PLUMBING REQUIREMENTS: FACILITY HAS NO PLUMBING.	ELECTRIC REQUIREMENTS: FACILITY HAS NO ELECTRIC.
POWER COMPANY: CROWN CASTLE 1209 ALADDIN LANE HOUSTON, TX 77060 PHONE: 281-246-1000 FAX: 281-246-1000 CONTACT: BRUCE POTTER	

Sheet #	11.1 Sheet Index	Sheet Description	Page
11.1	TITLE SHEET	TITLE SHEET	1
11.2	GENERAL REQUIREMENTS AND SYMBOLS	GENERAL REQUIREMENTS AND SYMBOLS	2
11.3	FOUNDATION REQUIREMENTS	FOUNDATION REQUIREMENTS	3
11.4	SITE PLAN, EQUIPMENT AND ANTI-TANK PLAN	SITE PLAN, EQUIPMENT AND ANTI-TANK PLAN	4
11.5	CONNECTION DETAILS	CONNECTION DETAILS	5
11.6	CONNECTION DETAILS	CONNECTION DETAILS	6
11.7	CONNECTION DETAILS	CONNECTION DETAILS	7
11.8	SECTION ON THIS AND NOT IN DRAWING IS THIS AND NOT IN	SECTION ON THIS AND NOT IN DRAWING IS THIS AND NOT IN	8

RELEASE DATE: 11-28-13 BY: 11-28-13 FOR: 11-28-13	PROJECT NAME VERIZON - CINCO RANCH	PROJECT ADDRESS CINCO RANCH BLVD. & KATY-GASTON RD.	PROJECT CODE CCR-011-01	PROJECT TYPE METAL SLIMLINE POLE	PROJECT AREA CINCO RANCH, TX	PROJECT HUB AREA CINCO RANCH, TX	PROJECT NODE CCR-011-01	PROJECT SHEET 11.1	PROJECT SHEET INDEX 1 OF 8	PROJECT SHEET INDEX 1 OF 8
SHIFT CONSULTING, LLC 1101 NORTH TEXAS ROAD HOUSTON, TX 77060 PH: 281-246-1000 FX: 281-246-1000	PROJECT NAME VERIZON - CINCO RANCH	PROJECT ADDRESS CINCO RANCH BLVD. & KATY-GASTON RD.	PROJECT CODE CCR-011-01	PROJECT TYPE METAL SLIMLINE POLE	PROJECT AREA CINCO RANCH, TX	PROJECT HUB AREA CINCO RANCH, TX	PROJECT NODE CCR-011-01	PROJECT SHEET 11.1	PROJECT SHEET INDEX 1 OF 8	PROJECT SHEET INDEX 1 OF 8
SHIFT CONSULTING, LLC 1101 NORTH TEXAS ROAD HOUSTON, TX 77060 PH: 281-246-1000 FX: 281-246-1000	PROJECT NAME VERIZON - CINCO RANCH	PROJECT ADDRESS CINCO RANCH BLVD. & KATY-GASTON RD.	PROJECT CODE CCR-011-01	PROJECT TYPE METAL SLIMLINE POLE	PROJECT AREA CINCO RANCH, TX	PROJECT HUB AREA CINCO RANCH, TX	PROJECT NODE CCR-011-01	PROJECT SHEET 11.1	PROJECT SHEET INDEX 1 OF 8	PROJECT SHEET INDEX 1 OF 8

SYMBOL	DESCRIPTION
— — — — —	CENTER LINE
- - - - -	PROPERTY LINE
— — — — —	RIGHT-OF-WAY
- - - - -	RIVER
- - - - -	RAIL
- - - - -	CLAS
- - - - -	POWER
- - - - -	SECONDARY POWER
- - - - -	STORM DRAIN
- - - - -	WATER
- - - - -	UPPER CIRCULAR POWER

SYMBOL	DESCRIPTION
	REVISION
	KEY NOTE
	DETAIL REFERENCE
	ELEVATION REFERENCE
	SECTION REFERENCE
	ELEVATION MARKER
	PROGRAM REFERENCE
	ANTENNA ADJUNCT

SYMBOL	DESCRIPTION
	VIEW NUMBER
	SHEET NUMBER
	SHEET GROUP

SYMBOL	DESCRIPTION
SCALE 1/8" = 1'	SCALE

[illegible]

KEYNOTE		KEYNOTE LEGEND	DETAIL
KEYNOTE	DESCRIPTION		
E01	IMPROVED POWER WHEEL DISTRIBUTION PANEL AND DISCONNECTS ATTACHED TO CABLE CURRENT		4/0/1
U01	IMPROVED SIGNAL CABLE UNDERGROUND		4/0/1 & 3/0/1
U02	IMPROVED DOWN CABLE UNDERGROUND FIRST ROUTE BY OTHER APPROPRIATE LOCATION (N)		4/0/1 & 3/0/1

LATITUDE:	29.71530
LONGITUDE:	-95.409760
POLE TYPE:	METAL GUANINE POLE
POLE ID #	N/A

GENERAL NOTES

1. DATA PROVIDED FOR PLANT, LAND, EARTH COVER OR WATER ARE APPROXIMATE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY DATA FOR THE PROJECT.
2. CONNECTION TO HAND LOCATE EXIST UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
3. EX. LANDSCAPE PLANTINGS AND DECORATIVE HIGHLIGHTS, SUCH AS TREES, SHRUBS, AND FLOWERS, SHALL BE REPLACED WITH A LIKE SIZE AND SPECIES.
4. CONNECTION TO HAND LOCATE EX. PREDICTION PRIOR TO EXCAVATION.
5. SITE PLAN IS TO DIMENSIONAL REPRESENTATION ONLY. VERIFY ALL DIMENSIONS.
6. VERIFY ALL PROPERTY LINE INFORMATION WITH AVAILABLE PLAT DATA.
7. EXIST UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY. AS INDICATED BY AVAILABLE INFORMATION.



RECORD DRAWING DRAFTING ONLY

RECORD DRAWINGS ISSUE DATE: 4/17/14

CROWN CASTLE
1220 AUGUSTA DR.
HOUSTON, TX 77057
PH: 409.343.4401



Shift Companies, LLC
7333 E. MONTE VISTA ROAD
SCOTTSDALE, ARIZONA 85257
ph: 480.264.0829
fax: 480.264.0163

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RELEASE	
DATE	SUBMITAL
11-25-13	1ST CITY SUBMITAL
4/17/14	PERMIT SUBMITAL

NO.	DATE	COMMENT
	4/7/14	POWER COORDINATION

VERIZON - CINCO RANCH

NODE #:CCR-011-01

KATY-GASTON RD.

HUB AREA

SHIFT JOB NUMBER
120603

IN HOUSE
DRAWN BY: RA
CHECKED BY: CM

SITE PLAN, EQUIPMENT
AND ANTENNA PLAN

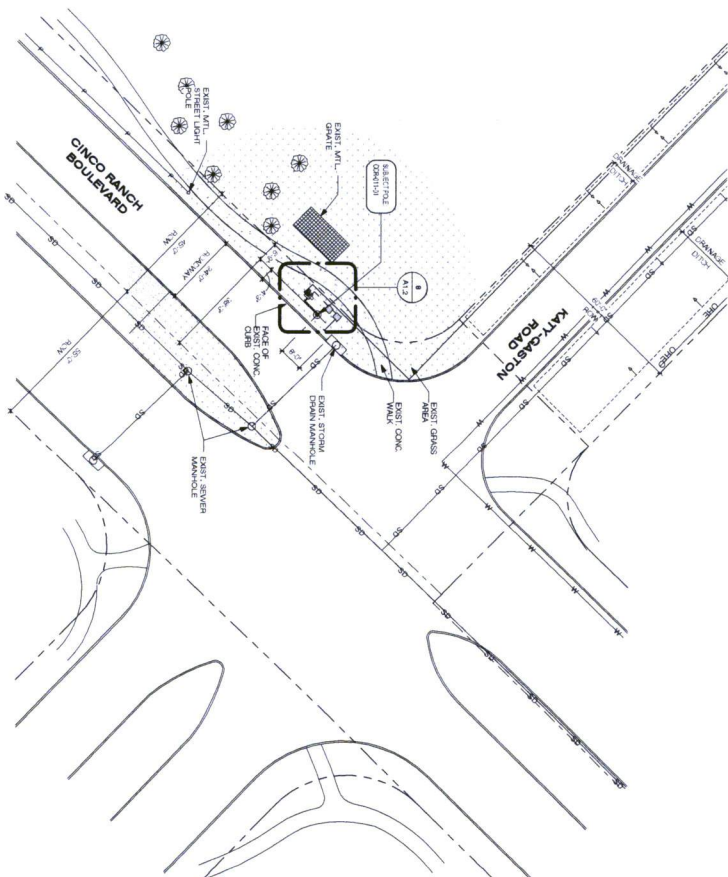
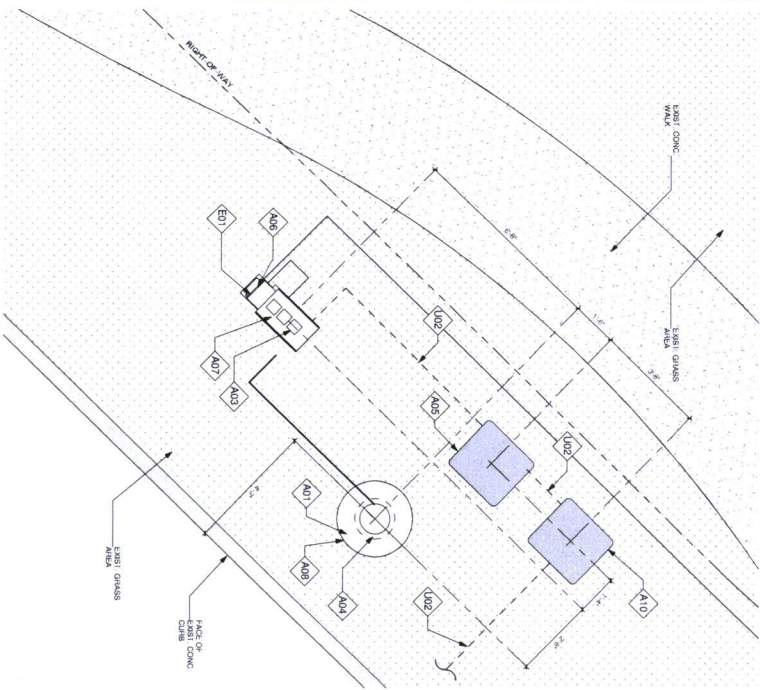
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4 OF 8

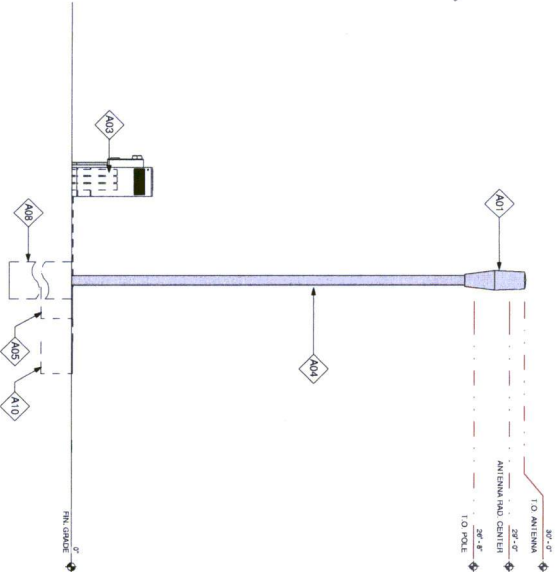
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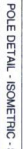


EQUIPMENT AND ANTENNA PLAN

OVERALL SITE PLAN

20

[illegible][illegible]



REVISIONS		
NO.	DATE	COMMENT
	4/17/14	POWER COORDINATION

NODE ADDRESS

NODE #:CCR-011-01

CINCO RANCH BLVD. &
KATY-GASTON RD.

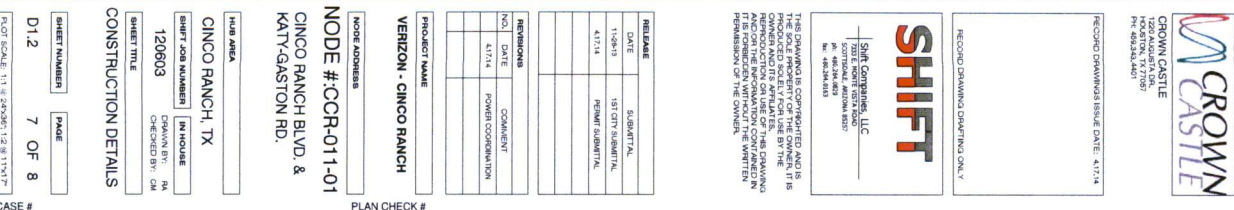
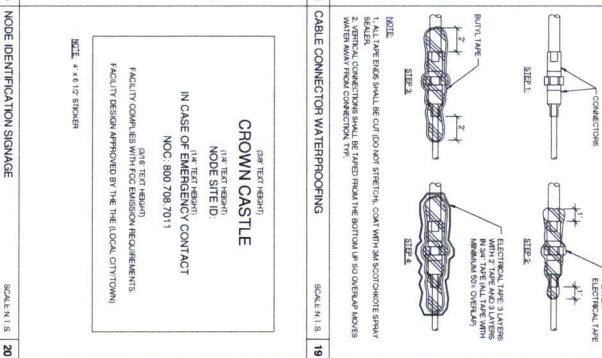
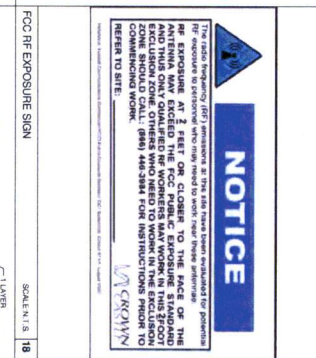
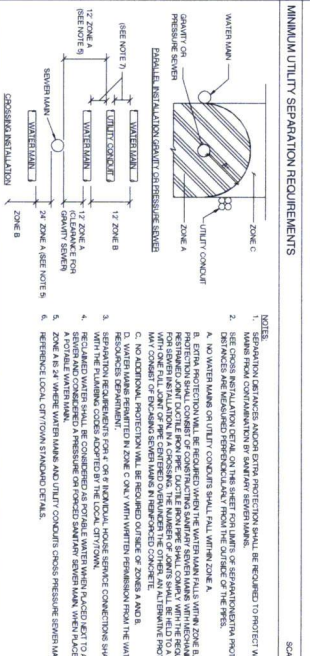
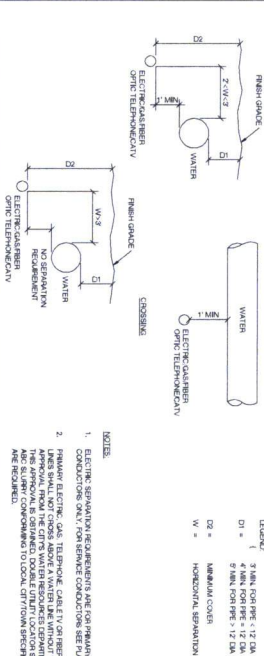
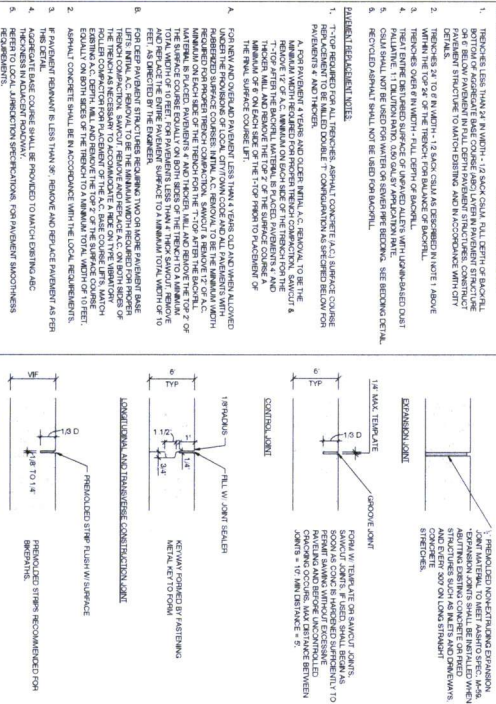
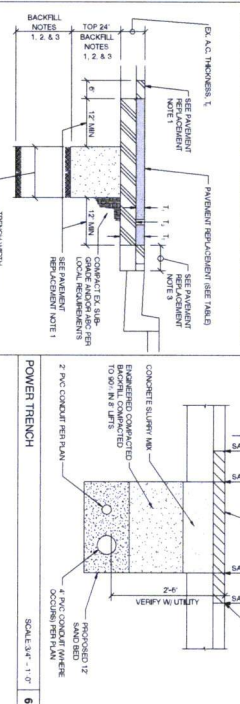
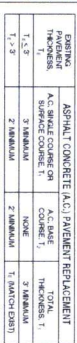
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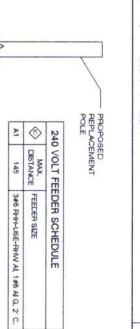
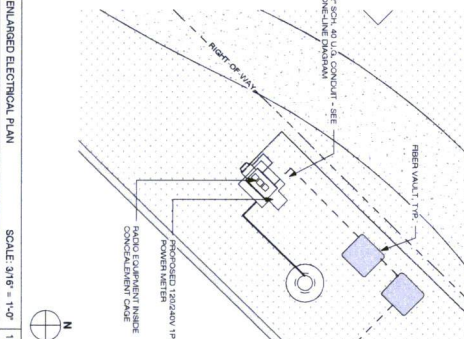
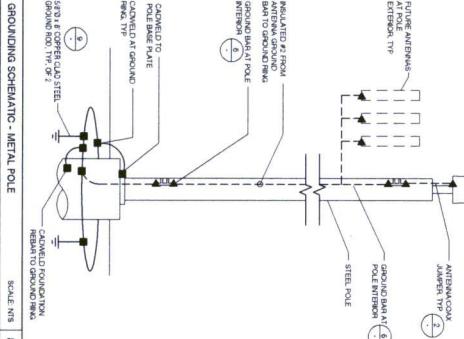
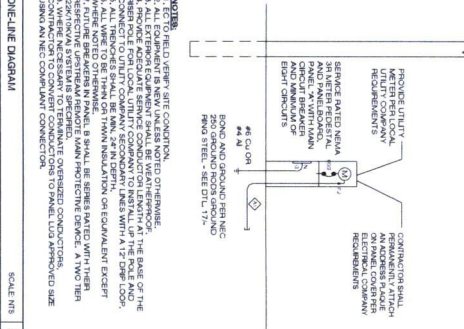
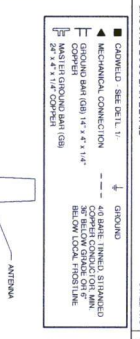
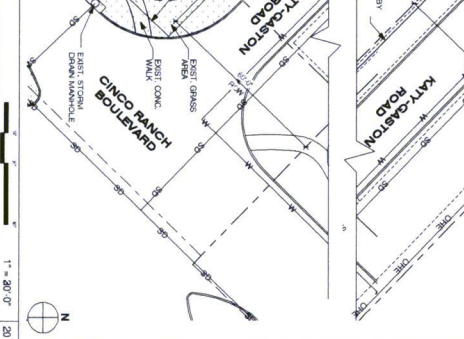
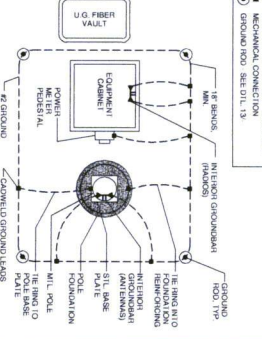
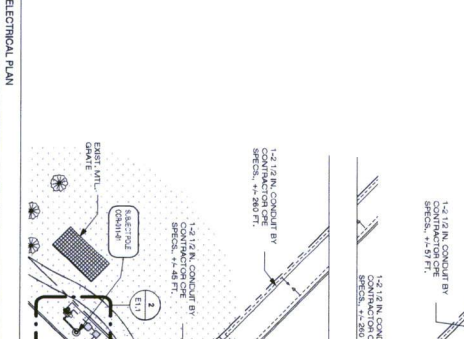
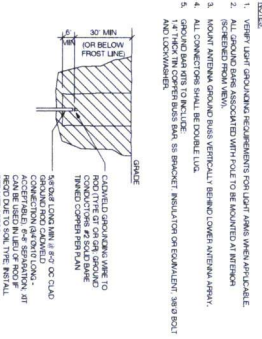
D1.1

PAGE

6 OF 8

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



[illegible][illegible]




SHEET NUMBER

PAGE

1 OF 8

T1.1

[illegible]

 CROWN
CASTLE

CROWN CASTLE
1200 KANSAS ST.
SUITE 100
PHILADELPHIA, PA 19104
PR. 610.254.4671

RECORD DRAWING ISSUE DATE: 4/17/14

RECORD DRAWING DWTGNO. 004.1

SHIFT

Spit Companies, LLC
7011 NORTH WILLOW
SUITE 200
DALLAS, TEXAS 75242
MO. 469.244.4933
MO. 469.244.4310

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THE OWNER IS PROHIBITED WITHOUT THE WRITTEN

SYMBOL	ABBREVIATIONS AND SYMBOLS	SYMBOL	ABBREVIATIONS AND SYMBOLS
	CENTER LINE		REVISION
	PROPERTY LINE		KEY NOTE
	RIGHT-OF-WAY		DETAIL REFERENCE
	RISE		ELEVATION REFERENCE
	GAS		SECTION REFERENCE
	POWER		ELEVATION MARKER
	SANITARY SEWER		PHOTOGRAM REFERENCE
	STORM DRAIN		ANTENNA AZIMUTH
	WATER		VIEW NUMBER
	UPSET CIRCUIT POWER		SHEET NUMBER
			SHEET GROUP

RELEASE	
DATE	SUBMITTAL
11-28-13	1ST CITY SUBMITTAL
4/17/14	PERMITS SUBMITTAL
PROJECT NAME	
VERIZON - CINCO RANCHO	
PROJECT ADDRESS	
NODE # :CCR-016-01	
BRACILITY LN., N.E. OF SPRING GREEN BLVD.	
JOB AREA	
CINCO RANCHO, TX	
SHEET NO. NUMBER	IN HOUSE
1206003	
DRAWN BY	RA
CHECKED BY	GM
SHEET TITLE	
GENERAL NOTES	
ABBREVIATIONS AND	
SYMBOLS	
SHEET NUMBER	PAGE
T12	2 OF 8

LOT SCALE: 11' x 2400' x 12.8' x 1107'

KOTIREIN SCALA DIVISION

700 MHz Dual Band Omni Antenna

Antenna 1 Antenna 2

Antenna 1	Antenna 2
698-804	1710-2170
240	240

840 10510 840 10511

700 MHz Dual Band Omni Antenna

Antenna 1 Antenna 2

Antenna 1	Antenna 2
698-804	1710-2170
240	240

840 10510 840 10511

KOTIREIN SCALA DIVISION

700 MHz Dual Band Omni Antenna

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Antenna 1	Antenna 2
698-804	1710-2170
240	240

840 10510 840 10511

700 MHz Dual Band Omni Antenna

Antenna 1 Antenna 2

Antenna 1	Antenna 2
698-804	1710-2170
240	240

840 10510 840 10511

General Specifications:

- Frequency: 698-804 MHz
- Power: 240 Watts
- Antenna Type: Dual Band Omni
- Mounting: Pole Mount
- Dimensions: 1.5" x 1.5" x 1.5"
- Weight: 1.5 lbs
- Material: Aluminum
- Finish: Powder Coat
- Operating Temperature: -40°C to +70°C
- Storage Temperature: -40°C to +70°C
- Humidity: 5% to 95%
- Vibration: 10g
- Shock: 10g
- EMC: FCC Part 15.247
- CE: EN 60950-1
- RoHS: Compliant

Antenna Specifications:

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- Power: 240 Watts
- Antenna Type: Dual Band Omni
- Mounting: Pole Mount
- Dimensions: 1.5" x 1.5" x 1.5"
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700 MHz Dual Band Omni Antenna

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698-804	1710-2170
240	240

840 10510 840 10511

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840 10510 840 10511

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KOTIREIN SCALA DIVISION

700 MHz Dual Band Omni Antenna

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698-804	1710-2170
240	240

840 10510 840 10511

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Antenna 1 Antenna 2

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698-804	1710-2170
240	240

840 10510 840 10511

KOTIREIN SCALA DIVISION

700 MHz Dual Band Omni Antenna

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698-804	1710-2170
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- Vibration: 10g
- Shock: 10g
- EMC: FCC Part 15.247
- CE: EN 60950-1
- RoHS: Compliant

EQUIPMENT AND ANTENNA PLAN

1/2" = 1'-0"

8

OVERALL SITE PLAN

20

1' = 80'-0"

20

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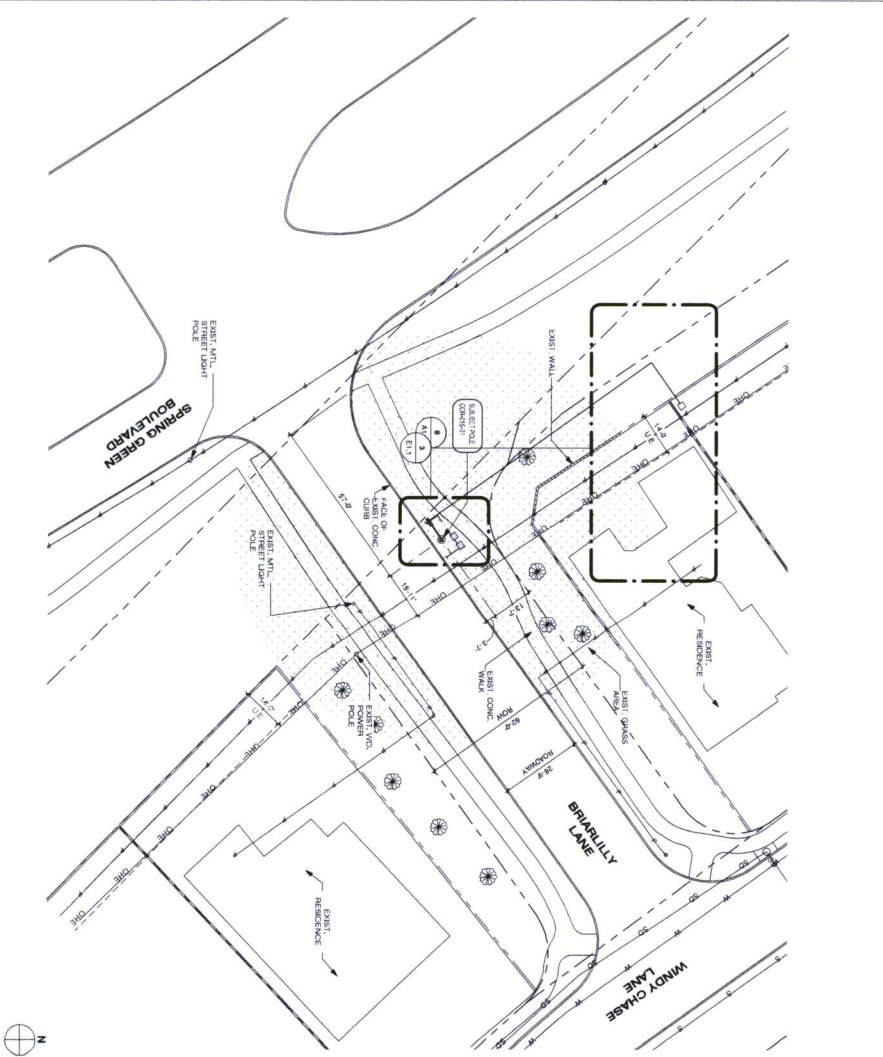
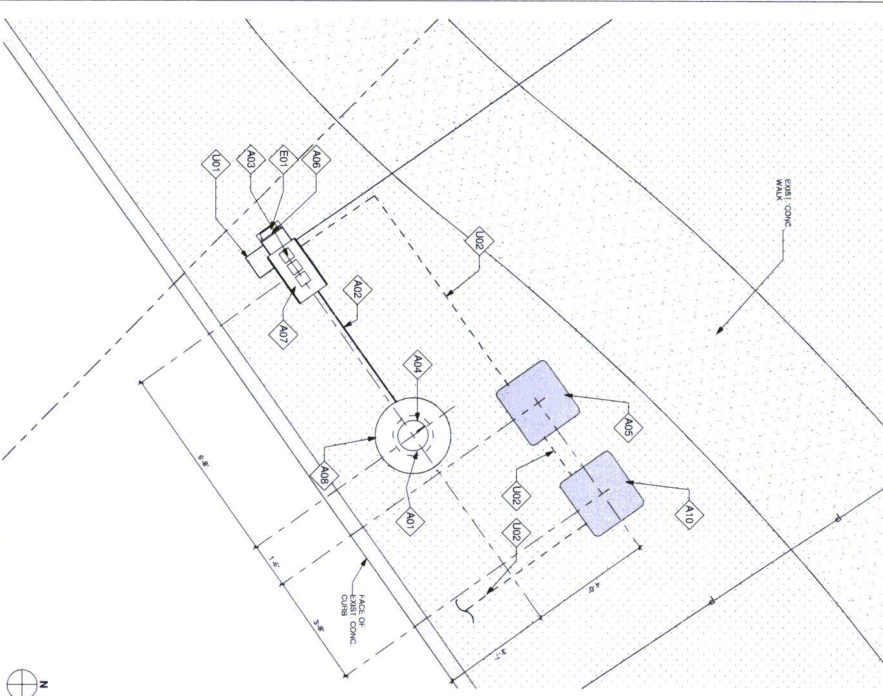
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KEYNOTE	DESCRIPTION	DETAIL
A01	PROPOSED CROWN CASTLE DUAL ANTENNA	400.1
A02	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	300.1
A03	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	150.1
A04	PROPOSED NEW/REPLACEMENT POLE	401.2
A05	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	300.2
A06	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	150.2
A07	PROPOSED CROWN CASTLE EQUIPMENT CABINET	150.1
A08	PROPOSED CROWN CASTLE EQUIPMENT CABINET	150.1
A09	PROPOSED CROWN CASTLE EQUIPMENT CABINET	150.1
A10	PROPOSED CROWN CASTLE EQUIPMENT CABINET	150.1
A11	PROPOSED CROWN CASTLE EQUIPMENT CABINET	150.1
A12	PROPOSED CROWN CASTLE EQUIPMENT CABINET	150.1

KEYNOTE	DESCRIPTION	DETAIL
E01	PROPOSED POWER WITH DISTRIBUTION PANEL AND DISCONNECT ATTACHED TO EQUIP. CABINET	401.1
E02	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	300.1
E03	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	150.1
E04	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	300.2
E05	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	150.2
E06	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	150.1
E07	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	150.1
E08	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	150.1
E09	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	150.1
E10	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	150.1
E11	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	150.1
E12	PROPOSED CROWN CASTLE UNDERGROUND CABLE CONDUIT APPROXIMATE LOCATION (A.V.)	150.1

CROWN CASTLE
10000 N. 17th St.
Houston, TX 77060
713.464.4444

SHIFT
SITE COMPANIES, LLC
10000 N. 17th St.
Houston, TX 77060
713.464.4444

RECORD DRAWING ISSUE DATE: 4/17/14
RECORD DRAWING CHANGING ONLY

RELEASE
DATE: 5/20/2014
BY: 11/20/2013
FOR: 4/17/14
PROJECT: SUBMITTAL

REVISIONS
NO. DATE COMMENT
1 12/11/13 REVISION COORDINATION
2 4/17/14 POWER COORDINATION

PROJECT NAME
VERZON - CINCO RANCH

NOTE ADDRESS
BRIARCLAY LN., N.E. OF
SPRING GREEN BLVD.

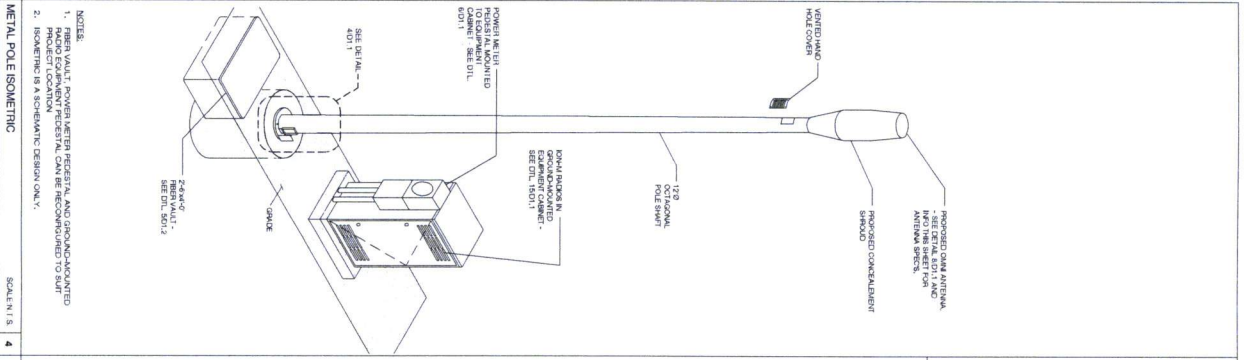
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CINCO RANCH, TX

SHEET JOB NUMBER
120603

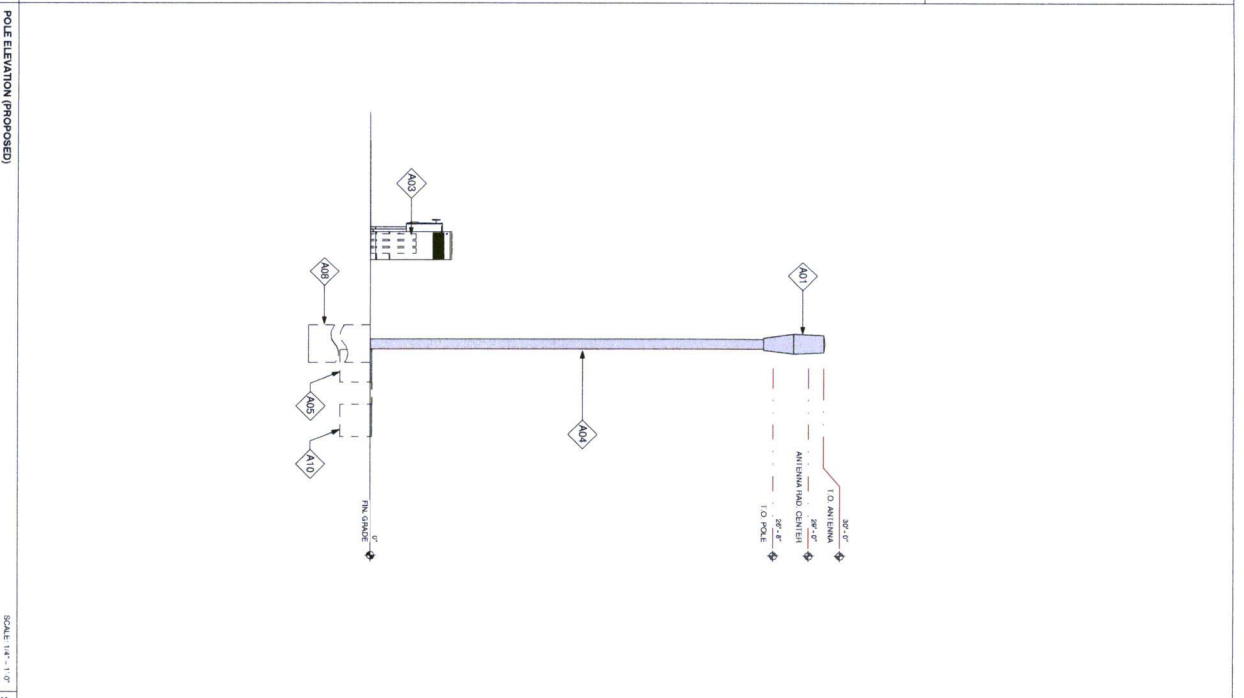
SHEET TITLE
SITE PLAN, EQUIPMENT
AND ANTENNA PLAN

SHEET NUMBER
A1.2 4 OF 8

PROJECT SCALE: 1" = 80'-0"



KEYNOTE LEGEND		
KEYNOTE	DESCRIPTION	DETAIL NUMBER
A01	PROPOSED CROWN CASTLE CROWN ANTENNA	A01.1
A02	PROPOSED CROWN CASTLE REMOTE UNIT INSIDE EQUIPMENT CABINET	A02.1
A03	PROPOSED NEW REPLACEMENT POLE	A03.1
A04	PROPOSED CROWN CASTLE UNDERGROUND CONDUIT	A04.1
A05	PROPOSED CROWN CASTLE NOISE MITIGATION	A05.1
A06	PROPOSED CROWN CASTLE EQUIPMENT CABINET	A06.1
A07	PROPOSED CROWN CASTLE POLE FOUNDATION	A07.1
A08	PROPOSED CROWN CASTLE CONNECTION	A08.1
A09	PROPOSED CROWN CASTLE UNDERGROUND CONDUIT	A09.1
A10	PROPOSED CROWN CASTLE REMOTE UNIT INSIDE EQUIPMENT CABINET	A10.1
A11	PROPOSED CROWN CASTLE REMOTE UNIT INSIDE EQUIPMENT CABINET	A11.1



SHIFT

SHR COMPANY, LLC
1001 RICHMOND STREET
HOUSTON, TX 77002
PH: 281-463-4633
WWW.SHIFT.COM

CROWN CASTLE

RECORD DRAWING ISSUE DATE: 4/17/14

PROJECT NAME
VERIZON - CINCO RANCH

PROJECT ADDRESS
120603
BRILLIANT LN., NE OF
SPRING GREEN BLVD.

PROJECT NUMBER
120603

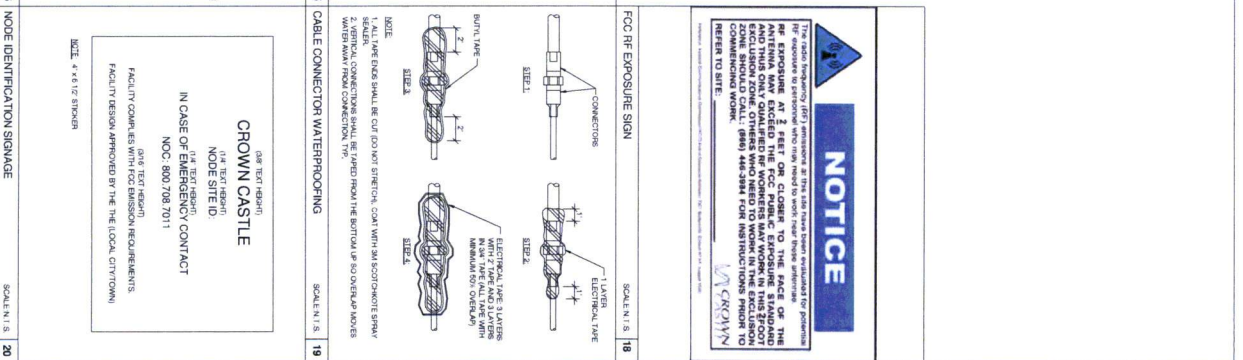
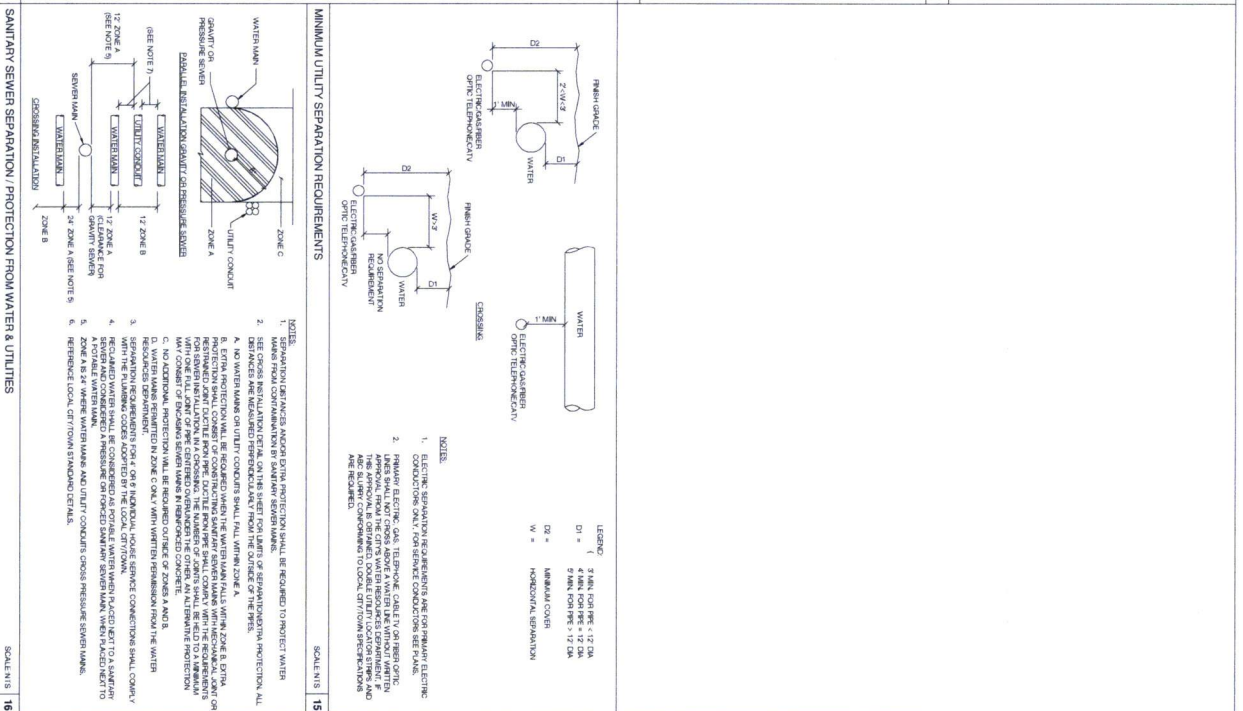
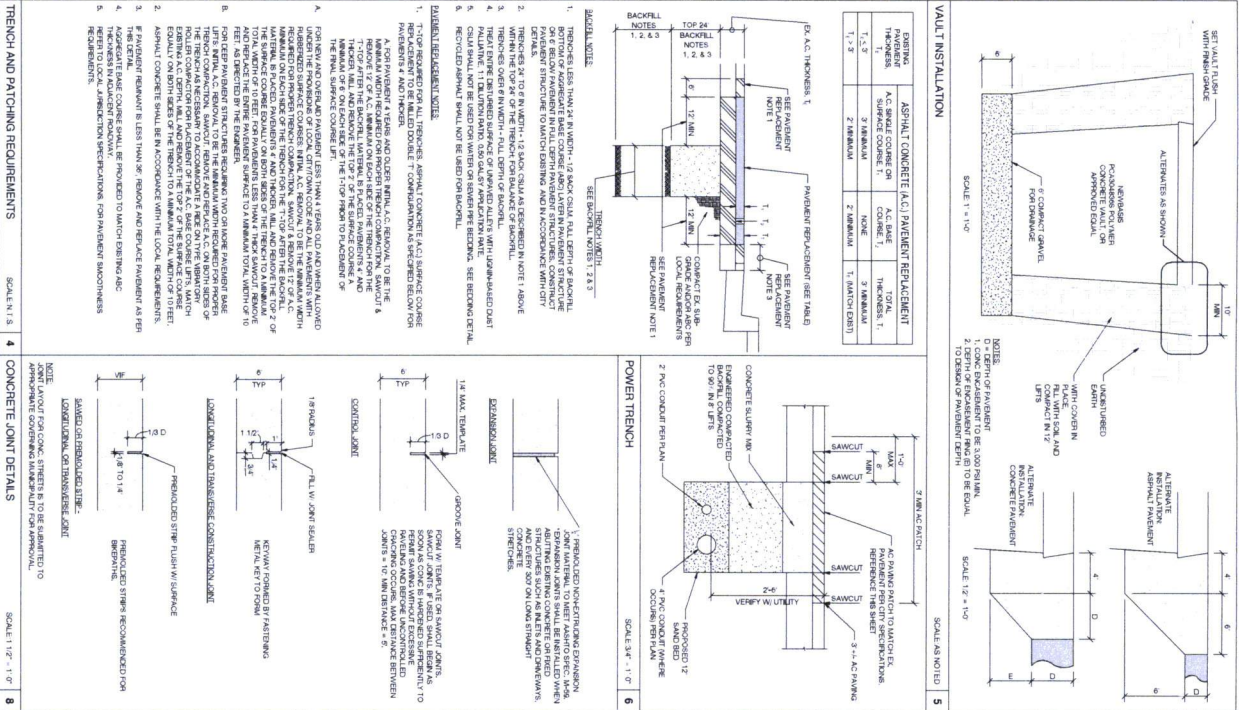
PROJECT TITLE
POLE ELEVATION

PROJECT DATE
4/13

PROJECT SCALE
1" = 20'

PROJECT CASE
120603





SHIFT

SHIFT COMPANY, LLC
1200 ALABAMA AVE.
HOUSTON, TX 77002
TEL: 281.440.0000
WWW.SHIFT-LLC.COM

CROWN CASTLE

1200 ALABAMA AVE.
HOUSTON, TX 77002
TEL: 281.440.0000
WWW.SHIFT-LLC.COM

RECORD DRAWING

RECORD DRAWING NUMBER: 41714

RECORD DRAWING

RECORD DRAWING NUMBER: 41714

PROJECT NAME

VERDON - CINCO RANCH

PROJECT ADDRESS

VERDON - CINCO RANCH

PROJECT DATE

12/11/13

PROJECT DRAWN BY

12/11/13

PROJECT CHECKED BY

12/11/13

PROJECT APPROVED BY

12/11/13

PROJECT SCALE

1/4" = 1'-0"

PROJECT SHEET

7 OF 8

PROJECT SHEET NUMBER

7 OF 8

PROJECT SHEET TITLE

CONSTRUCTION DETAILS

PROJECT SHEET NUMBER

7 OF 8

PROJECT SHEET TITLE

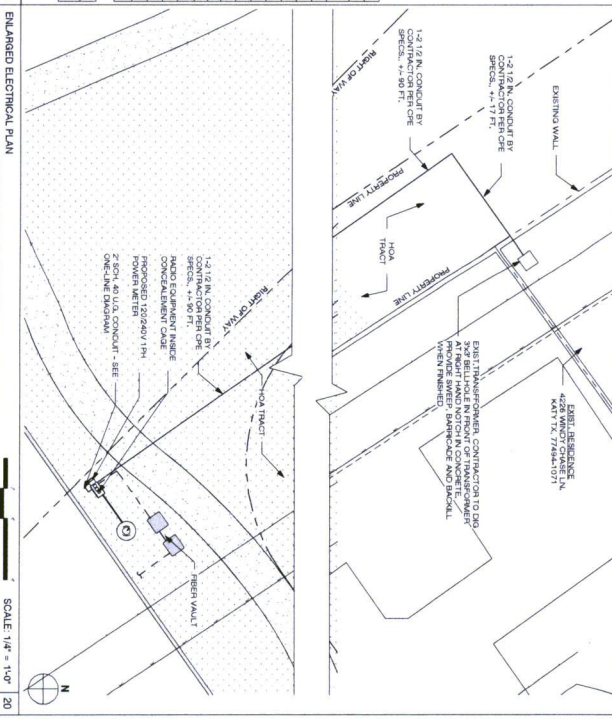
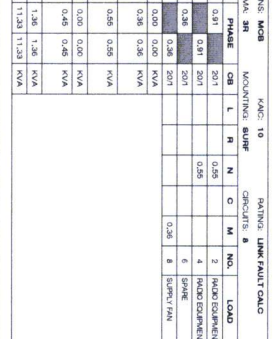
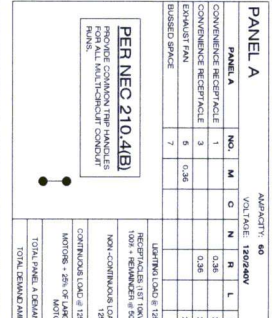
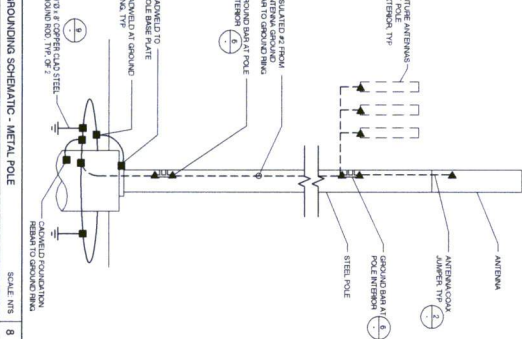
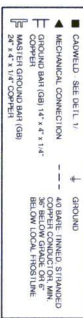
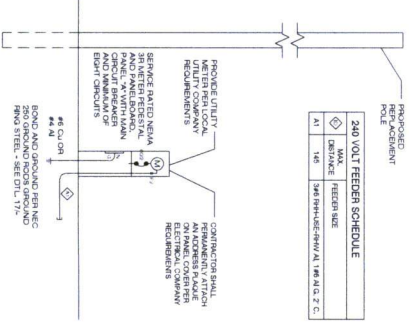
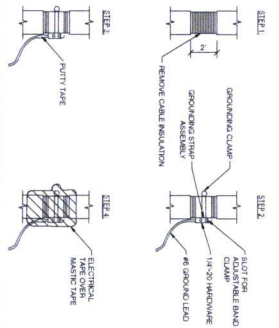
CONSTRUCTION DETAILS

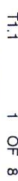
PROJECT SHEET NUMBER

7 OF 8

PROJECT SHEET TITLE

CONSTRUCTION DETAILS

[illegible]




[illegible]

ABBREVIATIONS AND SYMBOLS	
— — — — —	CENTER LINE
— — — — —	PROPERTY LINE
— — — — —	NEIGHBOR- WAY
— f — f —	RIVER
— G — G —	GAS
— P — P —	POWER
— S — S —	SANITARY SEWER
— SD — SD —	STORM DRAIN
— W — W —	WATER
— P — P —	LIGHT CIRCUIT POWER

REVISION	
	REVISION
	KEY NOTE
	DETAIL REFERENCE
	ELEVATION REFERENCE
	SECTION REFERENCE
	ELEVATION MARKER
	PHOTOGRAM REFERENCE
	ANTENNA AZIMUTH
	NEW NUMBER
	SHEET NUMBER
	SHEET GROUP


SCALE: NTS	
20	



CROWN CASTLE
10000 WEST 10TH STREET
HOUSTON, TX 77039
PH: 659.343.4401

RECORD DRAWING ISSUE DATE: 4/17/14

RECORD DRAWING CHARTING ONLY



SHIFT

Shift Companies, LLC
3011 NORTH PARKWAY
SUITE 200
HOUSTON, TEXAS 77058
PH: 659.343.4403

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REVISIONS	
DATE	DESCRIPTION
7/10/2013	SUBMIT FINAL
4/17/14	ISSUE CITY SUBMITTAL
	PERMIT SUBMITTAL

REVISIONS		
NO.	DATE	COMMENT
	11/11/13	FIBER COORDINATION
	4/17/14	POWER COORDINATION

PRODUCT NAME

VERIZON - CINCO RANCH

MOORE ADDRESS

NODE #CCR-012-01

CINCO RANCH BLVD. & CLAIROCREST

HLB AREA

CINCO RANCH, TX

SHIFT JOB NUMBER

120603

SHEET TITLE

GENERAL NOTES

ABBREVIATIONS AND SYMBOLS

SHEET NUMBER


PAGE

1.2

2 OF 8

CASE #

[illegible]



CROWN CASTLE
1500 KENNEDY DR.
SUITE 100
IRVING, TEXAS 76039
PH: 469.393.4001

RECORD CHANGES SHEET DATE: 4/17/14

SHIFT

SHIFT COMPANIES, LLC
7070 E. NORTH AVENUE, SUITE 200
DALLAS, TEXAS 75231
PH: 469.334.0033
FW: 469.334.0151

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RELEASE	
DATE	SUBMITTAL
11-04-13	1ST CITY SUBMITTAL
4-17-14	PERMIT SUBMITTAL

REVISIONS		
NO.	DATE	COMMENT
1	10/11/13	FINAL CORRECTION
4	4/17/14	POWER CORRECTION

PROJECT NAME	
VERIZON - CINCO RANCHO	

MODE ADDRESS	
<p>MODE #:CCR-012-01</p> <p>CINCO RANCHO BLVD. & CLAIROCREST</p>	

HUB DATA	
CINCO RANCHO, TX	
SHEET JOB NUMBER	IN HOUSE
120603	DRAWN BY: RA
SHEET TITLE	CHECKED BY: CM

EQUIPMENT SPECIFICATIONS	
SHEET NUMBER	PAGE
13	3 OF 8

PROJECT SCALE: 1"1" = 20'-0" 1/2" = 11'-0"

[illegible]

LATITUDE:	26.72380
LONGITUDE:	-96.75440
POLE TYPE:	METAL SLUMPING POLE
POLE ID #:	NA

1. PLANT REPORTED DEAD OR DISEASED AT A NATURAL BATHING LOCATION AS MAINTAINED BY APPROPRIATE AGENCIES.
 2. CONNECTION TO LAND LOAN EASEMENT, UNDERGROUND UTILITIES PRIOR TO CONNECTION.
 3. ICE, LANDSCAPE PLANNING AND SCULPTURE HANDICRAFTS.
 4. CONNECTION TO LAND LOAN EASEMENT, UNDERGROUND UTILITIES SHALL BE REPLACED WITH A LINE SIZE AND SPECIES.
 5. CONNECTION TO LAND LOAN EASEMENT, PREPARATION ONLY TO EXCAVATION.
 6. SITE FENCE AROUND THE PREPARATION ONLY, VERTICALLY DIMENSIONED.
 7. VERTICALLY ALIGNED PROPERTY LINE INDICATION WITH A MAJOR E.C.M. DATA.
 8. EXIST. UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE ONLY.
- NOTES: ALL CONNECTIONS TO LAND LOAN EASEMENT SHALL BE APPROXIMATE ONLY.



CROWN CASTLE
1220 AUGUSTA DR.,
HOUSTON, TX 77067
PH: 409.343.4401

RECORD DRAWING ISSUE DATE: 4.17.14

RECORD DRAWING DRAFTING ONLY

Shift Companies, LLC
7333 E. MONTE VISTA ROAD
SCOTTSDALE, ARIZONA 85257
ph: 480.264.0879
fax: 480.264.0163

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RELEASE	
DATE	SUBMITTAL
11-28-13	1ST CITY SUBMITTAL
4.17.14	PERMIT SUBMITTAL

NO.	DATE	COMMENT
	12.11.19	FIBER COORDINATION
	4.17.14	POWER COORDINATION

PROJECT NAME
VERIZON - CINCO RANCH

NODE #:CCR-012-01
CINCO RANCH BLVD. &
CLAIRCREST

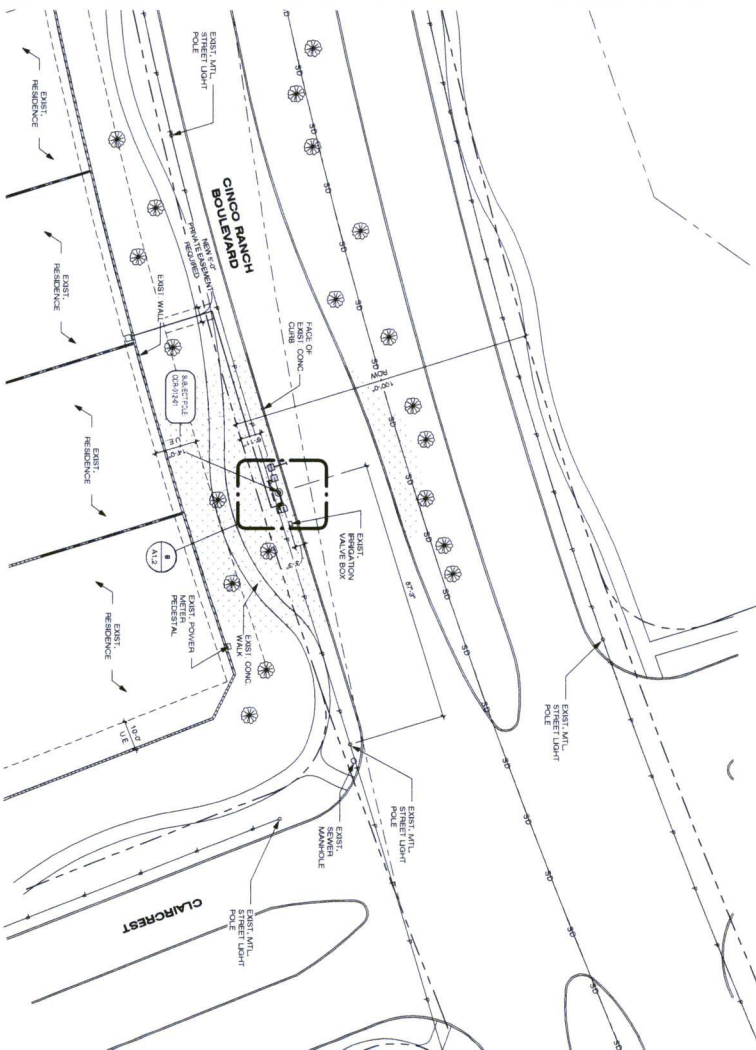
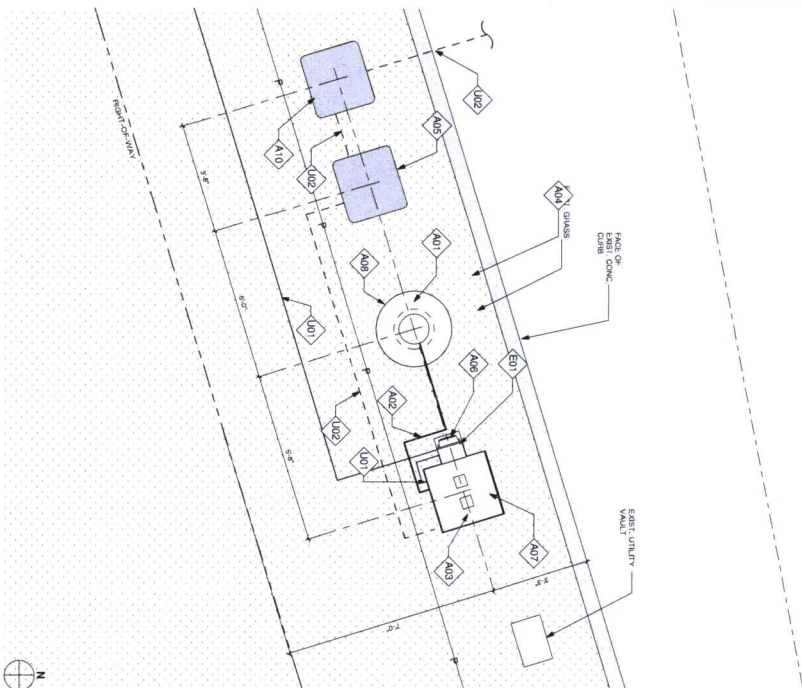
HOB AREA

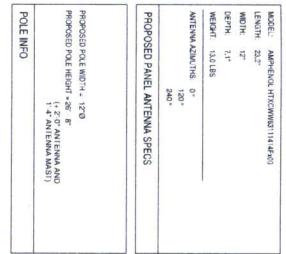
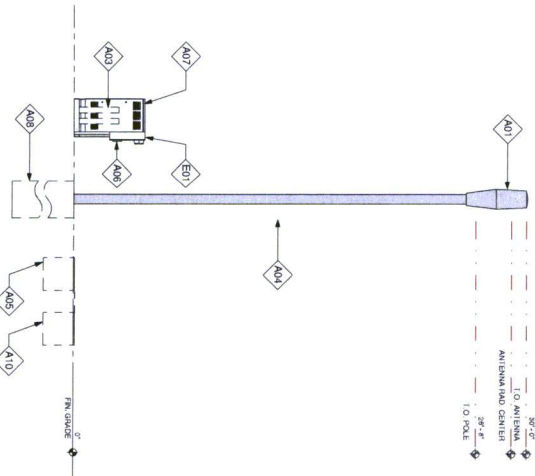
SHIFT JOB NUMBER

SHEET TITLE

SITE PLAN, EQUIPMENT
AND ANTENNA PLAN

A1.2 4 OF 8



[illegible]

CROWN CASTLE
1220 AUGUSTA DR.,
HOUSTON, TX 77057
Pfc. 469.345.4401

RECORD DRAWINGS ISSUE DATE: 4.17.14

RECORD DRAWING DRAFTING ONLY

Shift Companies, LLC
7333 E. MONTE VISTA ROAD
SCOTTSDALE, ARIZONA 85257
ph: 480-264-0823
fax: 480-264-9163

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RELEASE	
DATE	SUBMITTAL
11-26-13	1ST CITY SUBMITTAL
4.17.14	PERMIT SUBMITTAL

NO.	DATE	COMMENT
	12.11.13	FIBER COORDINATION
	4.17.14	POWER COORDINATION

PROJECT NAME
VERIZON - CINCO RANCH

NODE #:CCR-012-01

CINCO MAINCH BLVD. &
CLAIRCREST

HUBBARD
CINCO RANCH, TX

SHIP JOB NUMBER
120603

POLE ELEVATION, PROPOSED

A1.3 5 OF 8

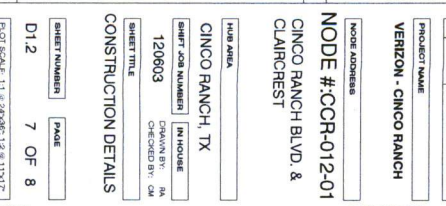
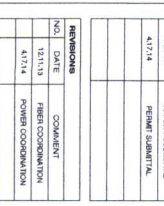
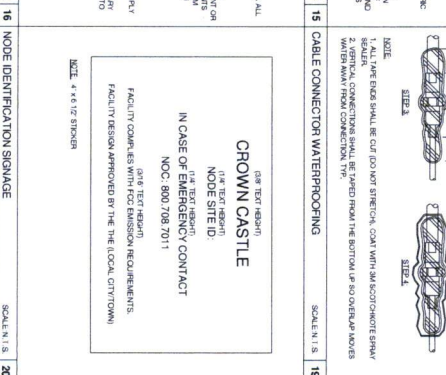
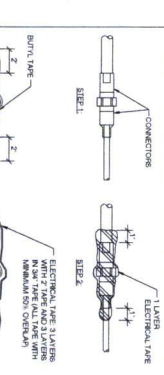
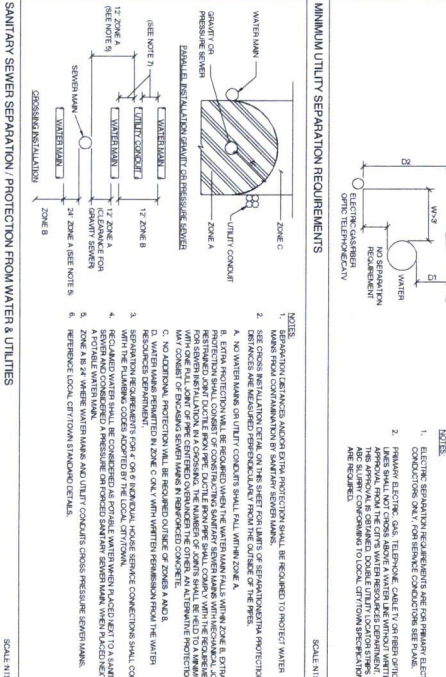
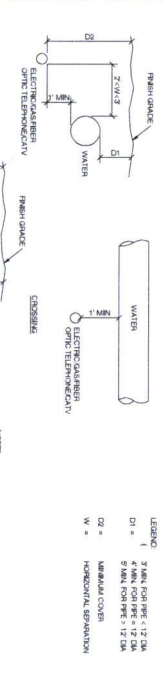
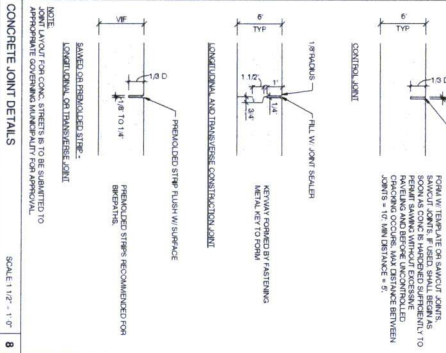
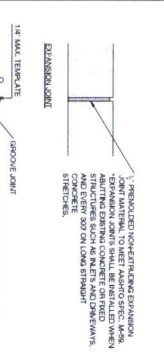
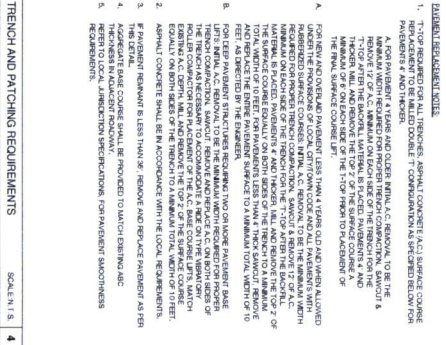
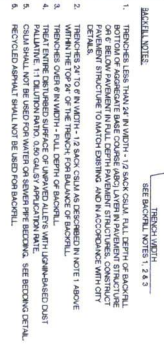
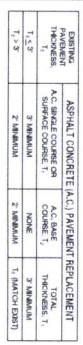


VERIZON - CINCO RANCH

HUB AREA

D1.1 6 OF 8

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



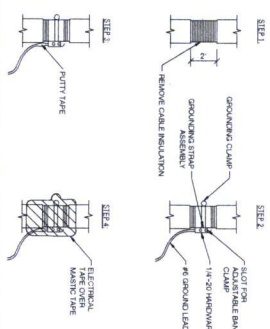
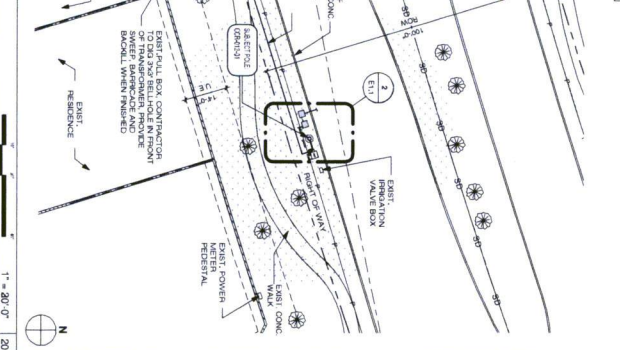
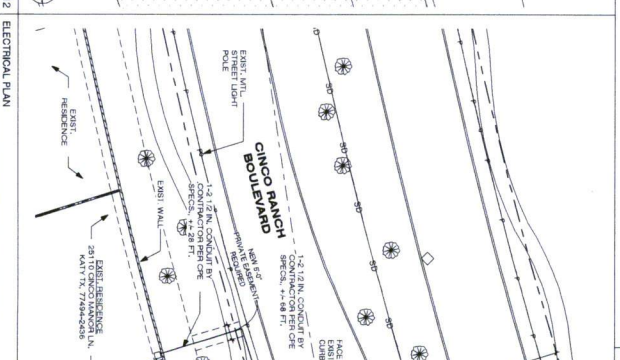
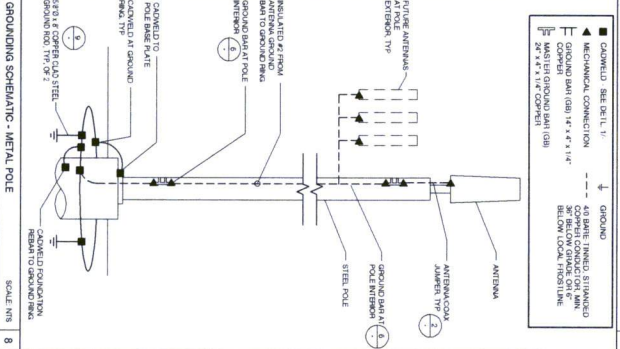
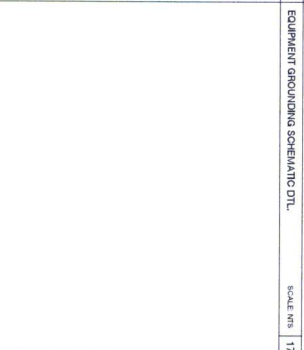
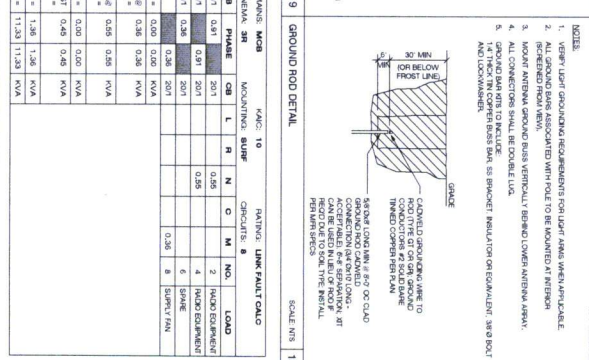


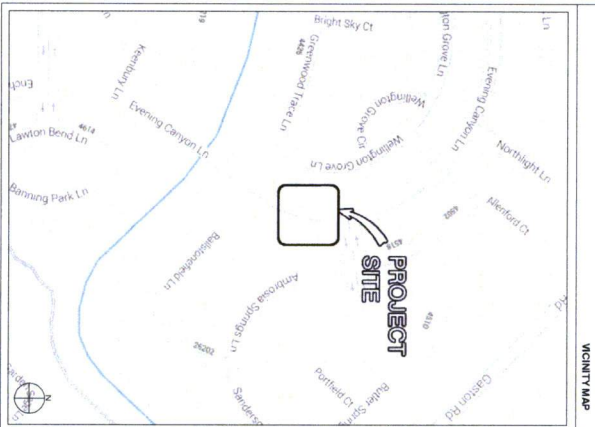
Figure 1 is a schematic diagram of the experimental setup. It shows a water tank with a hole at the bottom. A flow meter is connected to the tank, and a pressure transducer is connected to the flow meter. The pressure transducer is connected to a data logger, which is connected to a computer. The flow meter is connected to the pressure transducer, which is connected to the data logger. The data logger is connected to a computer. The flow meter is connected to the pressure transducer, which is connected to the data logger. The data logger is connected to a computer.



		SHIFT	
CROWN CASTLE 15000 W. CENTRAL EXP. SUITE 200 FORT WORTH, TX 76155 TEL: 817-334-4600 FAX: 817-334-4601		SMT Companies, LLC 13701 NORTH SHOTWELL SUITE 100 FORT WORTH, TEXAS 76134-4603 TEL: 817-334-4603 FAX: 817-334-4604	
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PROJECT NAME: VERIZON - CINCO RANCH			
MODE ADDRESS: MODE # CCR-012-01			
CINCO RANCH BLD. & CALCAREST			
HUB AREA: CINCO RANCH, TX			
SHEET JOB NUMBER: 120603		IN HOUSE: <input type="checkbox"/> OUTSIDE BY CM: <input checked="" type="checkbox"/>	
SHEET TITLE:		CHECKED BY: CM	
SHEET NUMBER:		PAGE:	
8 OF 8			



PROJECT NAME: VERIZON - CINCO RANCH
PROJECT ADDRESS: EVENING CANYON LN, S. OF WILLOW COLONY LN.
PROJECT TYPE: METAL SLIMLINE POLE
HUB AREA: CINCO RANCH, TX
NODE #(s): CCR-017-01
COORDINATES: LAT: 29.727290, LONG: -95.806960



PROJECT TEAM

ARCHITECT	STRUCTURAL	RF ENGINEER
Company: SHIFTS CONSULTING Address: 2002 E. WILLOW BLVD. Phone Number: 409.244.4433 Fax Number: 409.244.4433 Contact: CHRIS WILSON	Company: RMC Address: 2724 E. FLORENCE CT. S. Phone Number: 409.244.4433 Fax Number: 409.244.4433 Contact: BRUCE POTTER	Company: CROWN CASTLE Address: 1209 AUDUBON LN. Phone Number: 409.244.4433 Fax Number: 409.244.4433 Contact: BRUCE POTTER

PROJECT MANAGER
Company: CROWN CASTLE
Address: 1209 AUDUBON LN.
Phone Number: 409.244.4433
Fax Number: 409.244.4433
Contact: BRUCE POTTER

PROJECT SUMMARY

PROJECT NAME	APPLICANT
VERIZON - CINCO RANCH	CROWN CASTLE
PROJECT AREA	CINCO RANCH, TX
PROJECT ADDRESS	1209 AUDUBON LN. HOUSTON, TX 77057
CONTACT	BRUCE POTTER
PROJECT TYPE	SLIMLINE POLE
PROJECT CODE	CCR-017-01
PROJECT DATE	08/01/2014
PROJECT STATUS	IN PROGRESS
PROJECT DESCRIPTION	VERIZON - CINCO RANCH
PROJECT LOCATION	CINCO RANCH, TX
PROJECT COORDINATES	LAT: 29.727290, LONG: -95.806960
PROJECT OWNER	VERIZON
PROJECT ENGINEER	SHIFTS CONSULTING
PROJECT ARCHITECT	SHIFTS CONSULTING
PROJECT STRUCTURAL	SHIFTS CONSULTING
PROJECT RF ENGINEER	SHIFTS CONSULTING
PROJECT MANAGER	SHIFTS CONSULTING
PROJECT ELECTRICAL	SHIFTS CONSULTING
PROJECT MECHANICAL	SHIFTS CONSULTING
PROJECT PLUMBING	SHIFTS CONSULTING
PROJECT FIRE	SHIFTS CONSULTING
PROJECT SECURITY	SHIFTS CONSULTING
PROJECT AV	SHIFTS CONSULTING
PROJECT DATA	SHIFTS CONSULTING
PROJECT TELECOM	SHIFTS CONSULTING
PROJECT OTHER	SHIFTS CONSULTING

Sheet #	Sheet Description	Page
1	TITLE SHEET	1
2	GENERAL NOTES	2
3	EQUIPMENT SPECIFICATIONS	3
4	FOUNDATION AND ANCHORING	4
5	CONCRETE FOUNDATION	5
6	FOUNDATION IN FILL	6
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PROJECT NAME
VERIZON - CINCO RANCH

NODE ADDRESS
NODE # : CCR-017-01

PROJECT ADDRESS
EVENING CANYON LN,
S. OF WILLOW COLONY
LN.

HUB AREA
CINCO RANCH, TX

SHEET NUMBER
120603

SHEET TITLE
TITLE SHEET

SHEET NUMBER
1 OF 8

DATE
11/11/14

PROJECT MANAGER
BRUCE POTTER

PROJECT ENGINEER
SHIFTS CONSULTING

PROJECT ARCHITECT
SHIFTS CONSULTING

PROJECT STRUCTURAL
SHIFTS CONSULTING

PROJECT RF ENGINEER
SHIFTS CONSULTING

PROJECT MANAGER
SHIFTS CONSULTING

PROJECT ELECTRICAL
SHIFTS CONSULTING

PROJECT MECHANICAL
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PROJECT PLUMBING
SHIFTS CONSULTING

PROJECT FIRE
SHIFTS CONSULTING

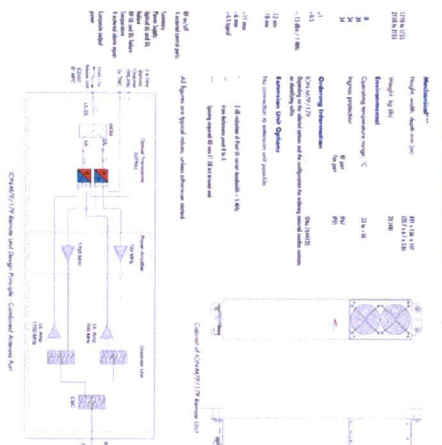
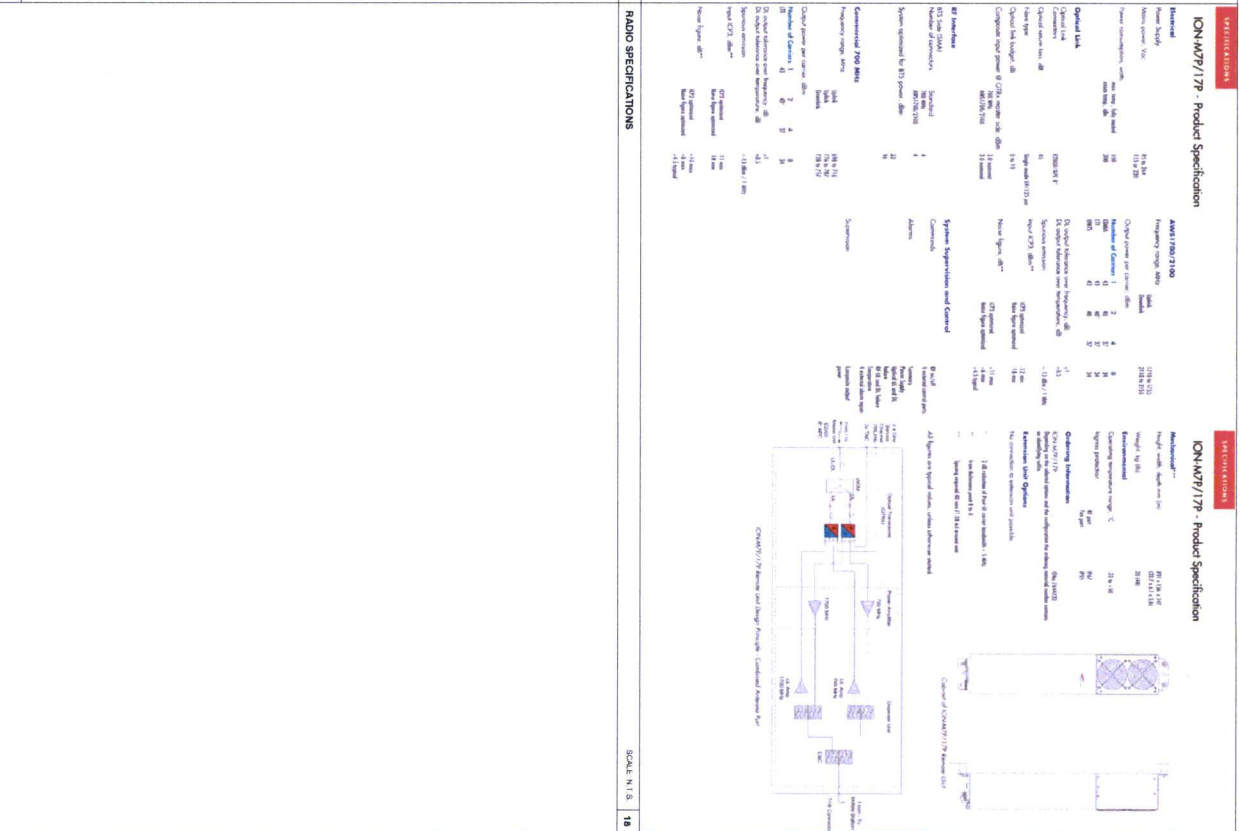
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SHIFTS CONSULTING

PROJECT AV
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PROJECT DATA
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PROJECT TELECOM
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PROJECT OTHER
SHIFTS CONSULTING

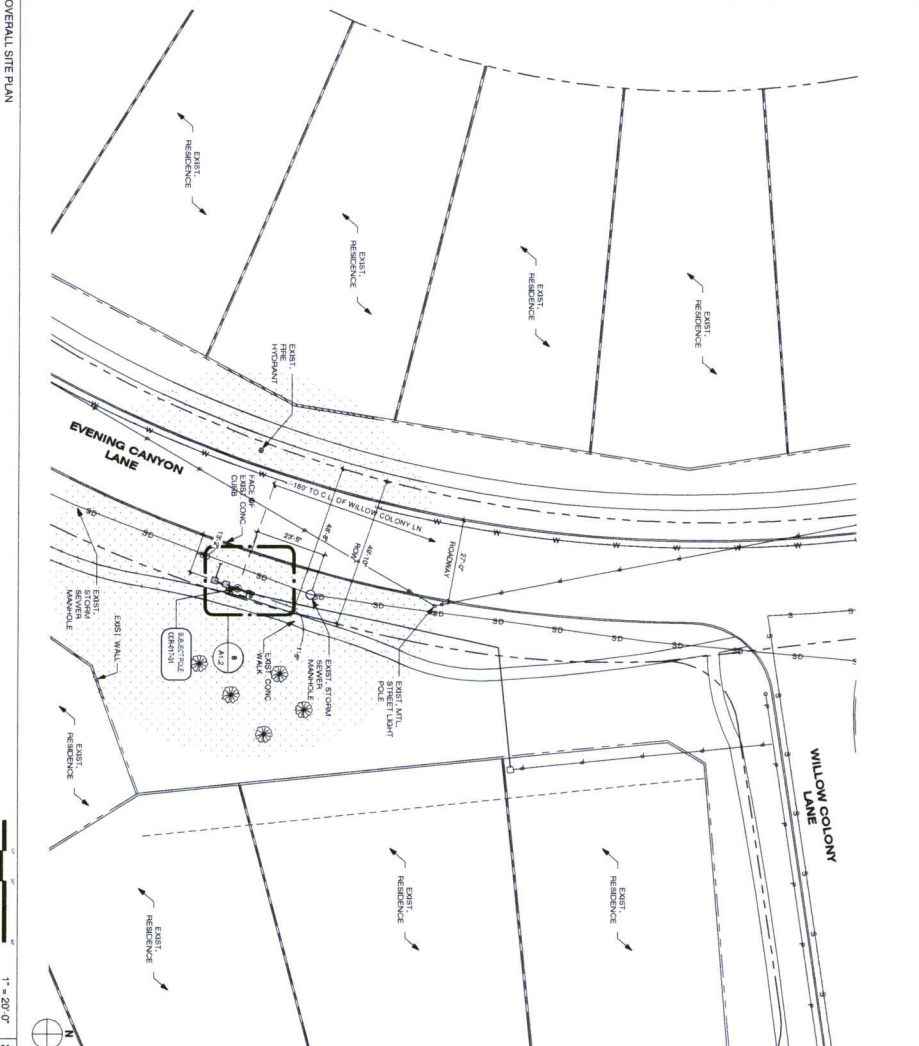
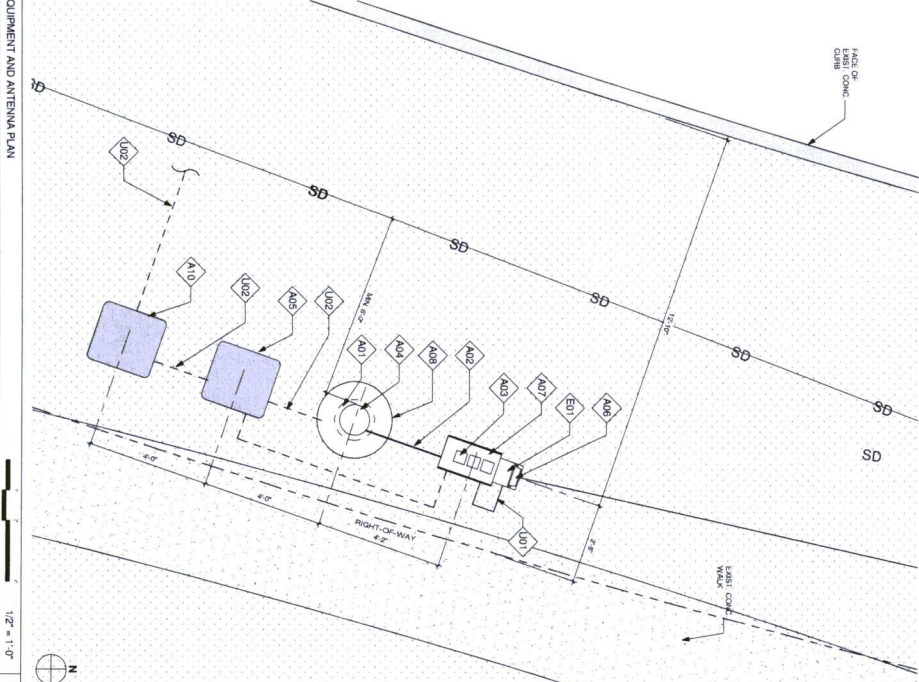


KEYNOTE LEGEND		DETAIL
KEYNOTE	DESCRIPTION	
A01	PROPOSED CROWN CASTLE DRAIN ANTENNA	400.1
A02	PROPOSED CROWN CASTLE UNDERGROUND CONDUIT APPROXIMATE LOCATION (N/A)	3000.1
A03	PROPOSED CROWN CASTLE EQUIPMENT CABINET	1500.1
A04	PROPOSED NEW/REPLACEMENT POLE	400.2
A05	PROPOSED CROWN CASTLE UNDERGROUND CONDUIT APPROXIMATE LOCATION (N/A)	500.2
A06	PROPOSED CROWN CASTLE EQUIPMENT CABINET	2000.2
A07	PROPOSED CROWN CASTLE POLE FOUNDATION	1500.1
A08	N/A	
A09	PROPOSED ETV UNDERGROUND CONDUIT (N/A)	SEE OTHER PAGES

KEYNOTE LEGEND		DETAIL
KEYNOTE	DESCRIPTION	
E01	PROPOSED POWER METER DISTRIBUTION PANEL AND DISCONNECT ATTACHED TO EQUIP. CABINET	400.1
E02	PROPOSED CROWN CASTLE UNDERGROUND CONDUIT APPROXIMATE LOCATION (N/A)	400.2
E03	PROPOSED CROWN CASTLE UNDERGROUND CONDUIT APPROXIMATE LOCATION (N/A)	400.2
E04	PROPOSED CROWN CASTLE UNDERGROUND CONDUIT APPROXIMATE LOCATION (N/A)	400.2
E05	PROPOSED CROWN CASTLE UNDERGROUND CONDUIT APPROXIMATE LOCATION (N/A)	400.2
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E74	PROPOSED CROWN CASTLE UNDERGROUND CONDUIT APPROXIMATE LOCATION (N/A)	400.2
E75	PROPOSED CROWN CASTLE UNDERGROUND CONDUIT APPROXIMATE LOCATION (N/A)	400.2
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E99	PROPOSED CROWN CASTLE UNDERGROUND CONDUIT APPROXIMATE LOCATION (N/A)	400.2
E100	PROPOSED CROWN CASTLE UNDERGROUND CONDUIT APPROXIMATE LOCATION (N/A)	400.2

LATITUDE:	36.72290
LONGITUDE:	96.99980
POLE TYPE:	NUTL BLANKET POLE
POLE ID #	N/A

- GENERAL NOTES**
1. NAME, ADDRESS, PHONE AND E-MAIL ADDRESS OF THE CLIENT SHALL BE PROVIDED ON ALL DRAWINGS.
 2. ALL DRAWINGS SHALL BE APPROVED BY THE CLIENT AND THE ENGINEER.
 3. EX. LANDSCAPE PLANTINGS AND DECORATIVE HARDSCAPE SHALL BE PROVIDED BY THE CLIENT.
 4. CONTINUATION TO HAND LOCATE EX. IMPLICATION FROM TO EXISTING.
 5. SITE PLAN IS A COMPREHENSIVE REPRESENTATION ONLY. VISUAL ALL DIMENSIONS.
 6. ALL DIMENSIONS SHALL BE IN FEET AND INCHES.
 7. EXIST. UTILITY LOCATION SHOWN ON PLANS ARE APPROXIMATE ONLY (AS PROVIDED BY AVAILABLE INFORMATION).



SHIFT COMPANIES, LLC
13111 N. DALLAS STREET, SUITE 100
DALLAS, TEXAS 75244
PH: 469-244-8800
FX: 469-244-8803
WWW.SHIFT-LLC.COM

RELEASE
DATE: 11/28/13
BY: 13111 N. DALLAS STREET, SUITE 100
13111 N. DALLAS STREET, SUITE 100
13111 N. DALLAS STREET, SUITE 100

REVISIONS

NO.	DATE	COMMENT
1	11/28/13	FINAL COORDINATION
2	11/28/13	POWER COORDINATION

PROJECT NAME
VERIZON - CINCO RANCH

MODE ADDRESS
CINCO RANCH, TX

NODE #
CCR-017-01

VENUE
EVENING CANYON LN,
S. OF WILLOW COLONY,
LN

AREA
CINCO RANCH, TX

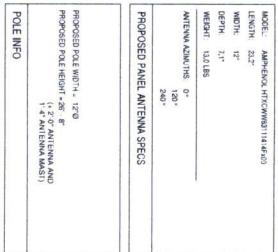
SHEET JOB NUMBER
120603

SHEET TITLE
SITE PLAN EQUIPMENT
AND ANTENNA PLAN

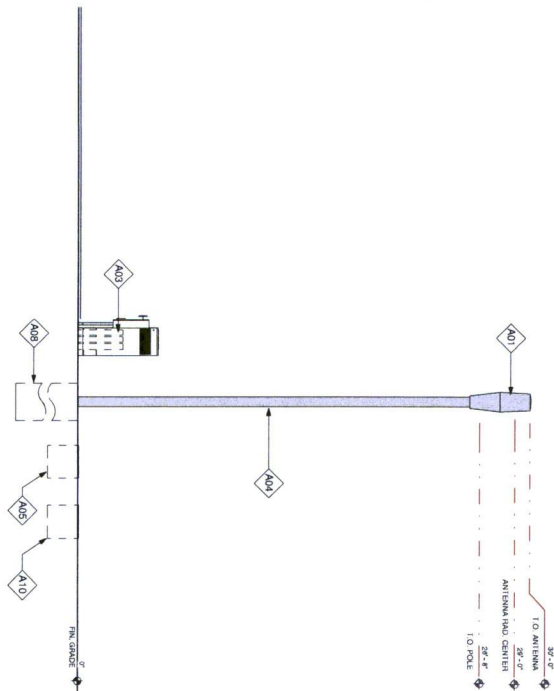
SHEET NUMBER
A1.2

PAGE
4 OF 8

SCALE
1\"/>



KEYNOTE LEGEND		DETAIL NUMBER
KEYNOTE	DESCRIPTION	
A01	PROPOSED CHOWN CASTLE GOLF COURSE ANTENNA	601.0-1
A03	PROPOSED CHOWN CASTLE GOLF COURSE LINE UNDER	1501.1-3
A04	PROPOSED NEW REPLACEMENT POLE	1501.2-4
A05	PROPOSED CHOWN CASTLE UNDERGROUND	501.2
A06	PROPOSED CHOWN CASTLE HOSE EXTENSION	2601.2
A07	PROPOSED CHOWN CASTLE EQUIPMENT CABINET	1501.1
A08	PROPOSED CHOWN CASTLE POLE FOUNDATION	1501.1
A09	PROPOSED CHOWN CASTLE CONCRETE/PAVEMENT	401.1
A10	PROPOSED NEW UNDERGROUND CONDUIT	501.2
A11	REBAR PAULT	501.2
A12	PROPOSED POWER WITH IN PROGRESS	501.1
A13	PROPOSED POWER WITH IN PROGRESS	501.1
A14	PROPOSED POWER WITH IN PROGRESS	501.1
A15	PROPOSED POWER WITH IN PROGRESS	501.1
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A99	PROPOSED POWER WITH IN PROGRESS	501.1
A100	PROPOSED POWER WITH IN PROGRESS	501.1



CROWN
CASTLE

CROWN CASTLE
1220 AUGUSTA DR.,
HOUSTON, TX 77005
PH: 409.343.4401

RECORD DRAWINGS ISSUE DATE: 4.17.14

RECORD DRAWING DRAFTING ONLY



Shift Companies, LLC
7331 E. MONTE VISTA ROAD
SCOTTSDALE, ARIZONA 85257
PH: 480.264.0829
FAX: 480.264.0163

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RELEASE	
DATE	SUBMITTAL
11-26-13	1ST CITY SUBMITTAL
4.17.14	PERMIT SUBMITTAL

REVISIONS	
NO.	DATE
12.11.13	FIBER COOPERATION
4.7.14	POWER COOPERATION

PROJECT NAME
VERIZON - CINCO RANCH

Node Address
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NODE #:CCR-017-01
EVENING CANYON LN.,
S. OF WILLOW COLONY
LN.

CINCO RANCH TX

SHIFT JOB NUMBER
120603

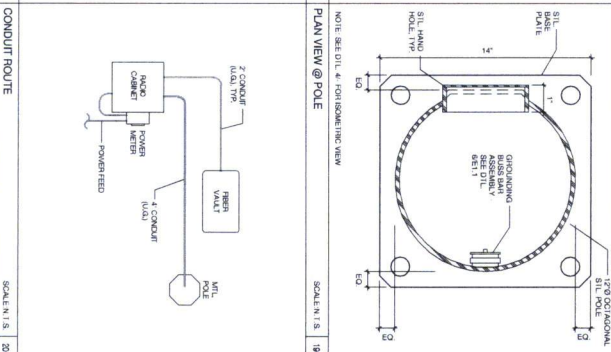
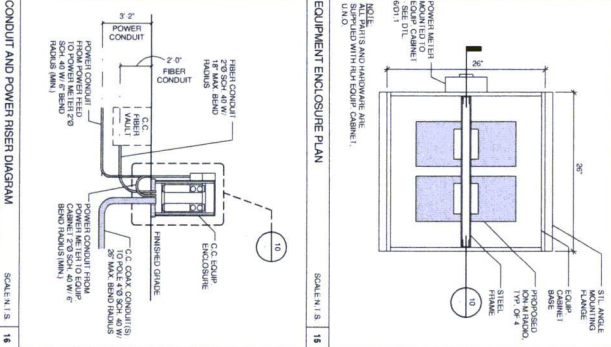
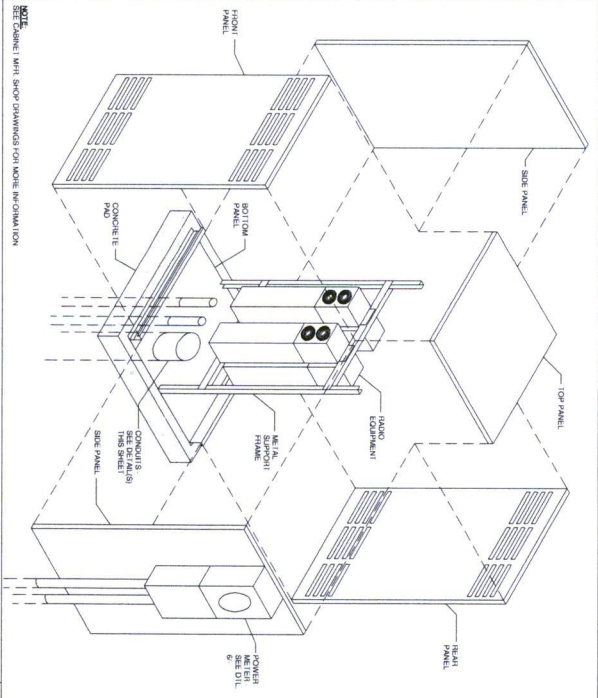
POLE ELEVATION
PROPOSED

SHEET NUMBER

PAGE

A1.3

5 OF 8



POWER METER - MOUNTED TO RADIO CABINET	6	EQUIPMENT CABINET SECTION	10	EQUIPMENT ENCLOSURE	18
	SCALE 1" = 1' 0"		SCALE 1" = 1' 0"		SCALE 1" = 1' 0"

DATE	SUBMITTAL
11-28-13	1ST CITY SUBMITTAL

REVISIONS			
N.O.	DATE	COMMENT	
	12/11/10	FIRST CONSTRUCTION POWER COORDINATION	
4/7/14			

PRIORITIZED NAME:

VERIZON - CINCO RANCH

MODE ADDRESS:

NODE # :CCR-017-01

EVENING CANYON LN.,
S. OF WILLOW COLONY
LN.

HUB AREA

CINCO RANCH, TX

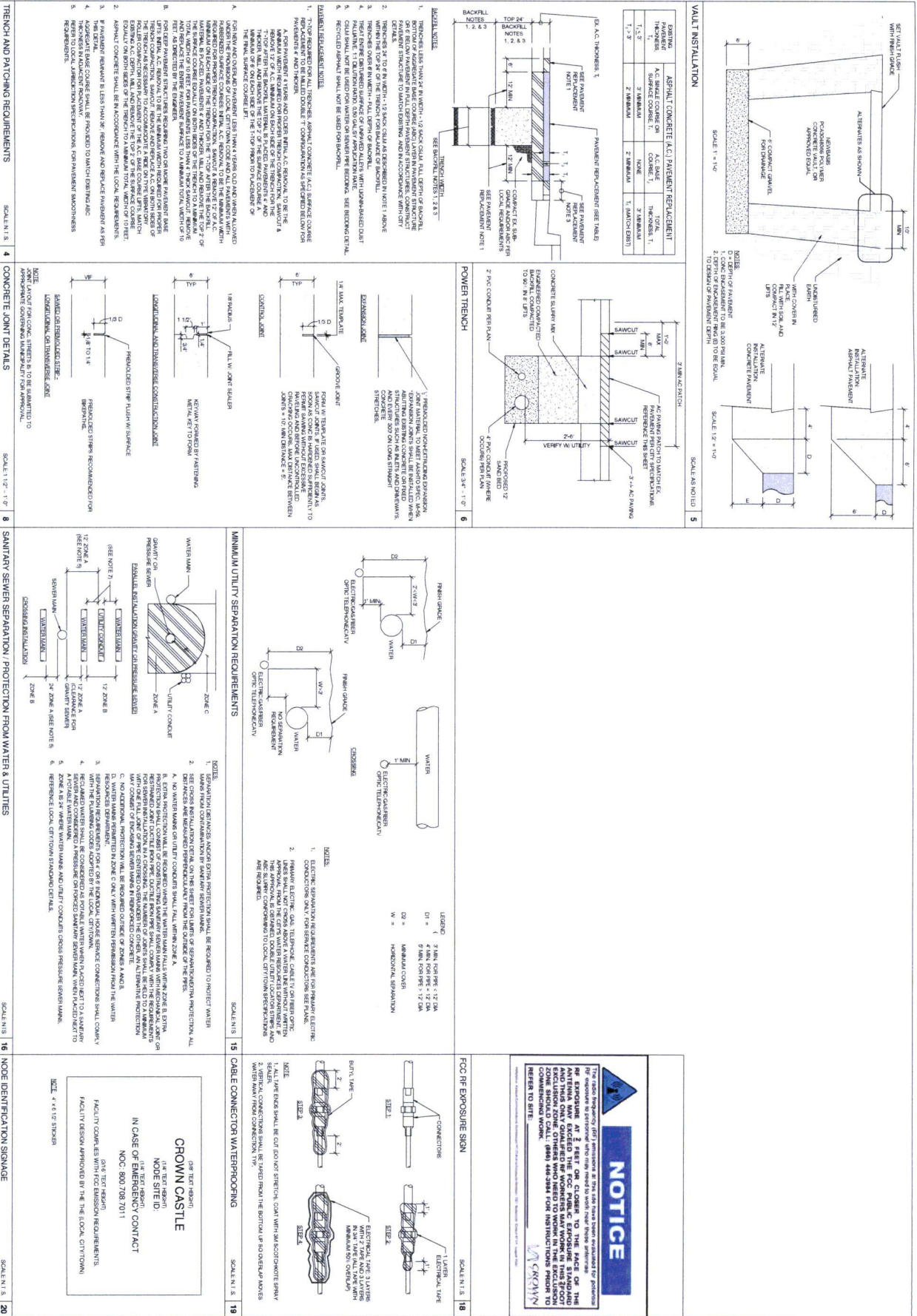
SHEET JOB NUMBER	IN HOUSE
120603	DRAWN BY: RA CHECKED BY: CM

SHEET TITLE

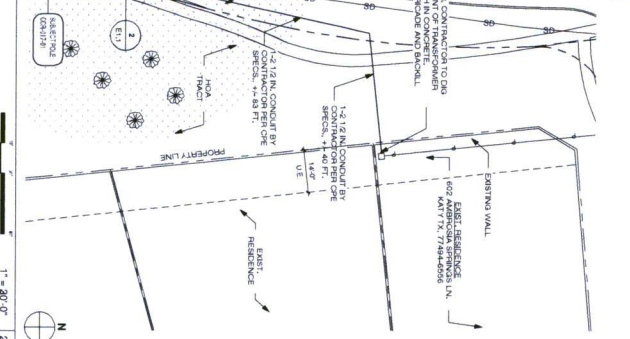
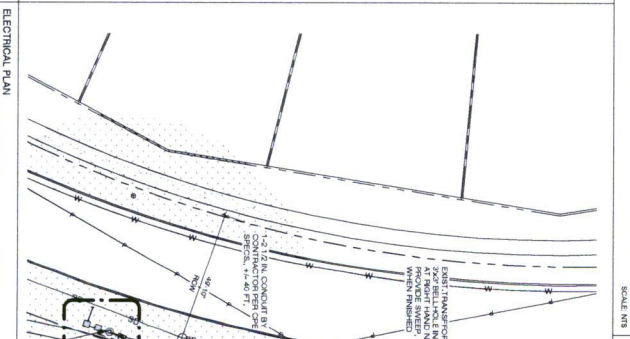
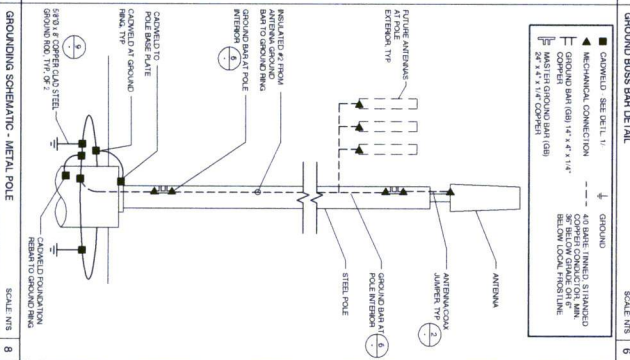
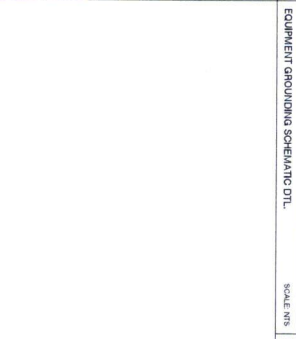
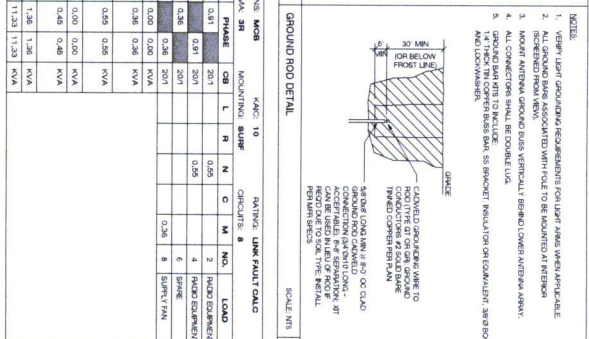
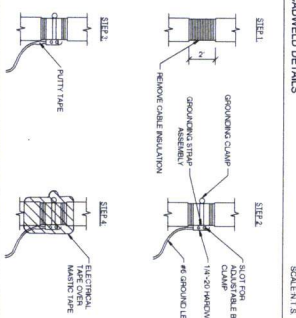
CONSTRUCTION DETAILS


SHEET NUMBER	PAGE
B1	6 OF 8

PROJECT SCALE: 1 IN = 20' OR 1.5 IN = 11'-7"



RELEASE		DATE	SUBMITTAL
		11-28-13	1ST CITY SUBMITTAL
		4-17-14	PERMIT SUBMITTAL
REVISIONS		NO.	DATE
		1	11-28-13
		2	4-17-14
PRODUCT NAME		VERIZON - CINCO RANCH	
PROJECT NAME		VERIZON - CINCO RANCH	
PROJECT ADDRESS		EVENING CANYON LN., S. OF WILLOW COLONY LN.	
PROJECT NUMBER		CCR-017-01	
PROJECT AREA		CINCO RANCH, TX	
PROJECT NUMBER		120693	
PROJECT TITLE		CONSTRUCTION DETAILS	
PROJECT NUMBER		D1.2	
PROJECT NUMBER		7 OF 8	
PROJECT NUMBER		PAGE	
PROJECT NUMBER		120693	
PROJECT NUMBER		CHECKED BY: CM	
PROJECT NUMBER		DRAWN BY: CM	
PROJECT NUMBER		PROJECT SCALE: 1/2" = 24'00" 1/2" = 11'00"	






CROWN CASTLE

1200 ALABAMA DR.
 ALBUQUERQUE, NM 87102
 PH: (505) 243-4500
 FX: (505) 243-4501

PRECISO DIAMOND'S BIRTH DATE: 4/17/14



SHIFT

G&H Corporation, LLC
 10000 N. 10TH AVE. SUITE 100
 ALBUQUERQUE, NM 87113
 PH: (505) 243-4545

THE FOLLOWING IS A SUMMARY OF THE CLAIMS AND THE STATUS OF THE CLAIMS. THE CLAIMS ARE THE PROPERTY OF G&H CORPORATION. IT IS THE POLICY OF G&H CORPORATION TO MAINTAIN THE REPUTATION OF THE COMPANY. THE COMPANY IS NOT RESPONSIBLE FOR THE REPUTATION OF THE COMPANY. THE COMPANY IS NOT RESPONSIBLE FOR THE REPUTATION OF THE COMPANY. THE COMPANY IS NOT RESPONSIBLE FOR THE REPUTATION OF THE COMPANY.

RELEASE DATE	SUBMITTAL
11/28/13	1ST CITY SUBMITTAL
4/17/14	PRELIM SUBMITTAL

NO.	DATE	COMMENT
1	12/11/13	FINAL COORDINATION
2	4/17/14	POWER COORDINATION

PROJECT NAME

VERSION - CINCO RANCH

MOORE ADDRESS

NOTE #:CCR-017-01

EVENING CANYON LN.

S. OF WILLOW COLONY LN.

RAW AREA

CINCO RANCH, TX

SHEET #28 NUMBER

120603

IN HOUSING

CROWN ST. 50

CHURCH ST. 50

SHEET TITLE

ELECTRICAL DETAILS AND NOTES, GROUNDING DETAILS AND NOTES

SHEET NUMBER

1

PAGE

8 OF 8