



Crown Castle
3530 Toringdon Way Suite 300
Charlotte NC 28277

Jerry Feathers
Tel (704) 405-6549
Fax (724) 416-6484
Email: Jerry.feathers.contractor@crowncastle.com

November 18, 2015

Melanie A. Bachman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

RE: **Sprint-Exempt Modification- EM-SPRINT-135-140805**
Sprint Site ID: CT03XC344; Crown Site BU: 806953
Located at: 69 Guinea Rd., Samford, CT

Dear Ms. Bachman:

This letter is to confirm that all construction activity has been completed. Pursuant to the Connecticut Siting Council approval of **EM-SPRINT-135-140805**, this letter is to satisfy item number two of the approval letter that the CSC will be notified in writing within 45 days after completion of construction and that the was completed per the recommendation of the Structural Analysis. I have also enclosed a PMI document certified by a professional engineer stating the structural modifications were completed in accordance with the CD's and structural analysis. Page 3 of the PMI report shows the engineer's stamp.

Please contact me if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads 'Jerry Feathers'.

Jerry Feathers

Property Specialist
704-405-6549

August 13, 2014



Roy Pyptiuk
Crown Castle
46 Broadway
Albany, NY 12204
518-433-6245
Roy.Pyptiuk@crowncastle.com

Sinnott Gering and Schmitt Towers, INC
14301 First National Bank Pkwy, STE 100
Omaha, NE 68154
(402) 507-5170
SGS_PMI@sgstowers.com

Subject:*Modification Inspection Report*

Crown Castle Designation:	Crown Castle BU Number:	806953
	Crown Castle Site Name:	BRG 2044 (A) 943097
	Crown Castle JDE Job Number:	246651

Engineering Firm Designation:	SGS Project Number	140526
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Site Data:	69 Guinea Rd (Camp Rocky Craig)
	Stamford, CT 06903
	N 41° 6' 6.35", W 73° 35' 41.45"
	160 Foot Monopole

Dear Mr. Pyptiuk,

Sinnott Gering and Schmitt Towers, Inc. (SGS) is pleased to submit this "Modification Inspection Report" (MI Report) to Crown Castle for the modification/reinforcement to the subject structure. This Modification Inspection (MI) was performed in accordance with Crown Castle ENG-SOW-10007 Modification Inspection SOW, Contract Documents, and Crown Castle Purchase Order number 638550. The purpose of this MI is to confirm that the modification installation configuration and workmanship are in accordance with the contract document(s) listed in Table 2. The MI is not a review of the adequacy or effectiveness of the modification/reinforcement solution.

Table 1 – General Information

	Company	Contact	Dates on Site
MI Inspector	SGS	Nicholas J. Schmitt, P.E., S.E.	N/A
MI Inspector Field Representative (if applicable)	SGS	Daniel Sinnott	August 12, 2014
<input checked="" type="checkbox"/> Independent <input type="checkbox"/> EOR <input type="checkbox"/> Turnkey			
Modification Design EOR	Paul J. Ford	Joseph Jacobs, P.E.	N/A
General Contractor	Sabre Industries	Don Roberts	Unknown
Sub to the General Contractor	N/A	N/A	N/A
Field CWI for the General Contractor	N/A	N/A	N/A
Field NDE for the General Contractor	N/A	N/A	N/A

Table 2 – Documents

Document(s)	Remarks	Source
Modification Drawings Date: 4/10/2014 EOR: Joseph Jacobs, P.E. Job#: 37513-2318A	Creator of Drawings: Paul J. Ford Job #: 37513-2318A Date of Drawings: 4/10/2014	CCI Sites Drawing File: 4837035

Based on our inspection, SGS determines this project:

X PASSING MI

The configuration, materials and/or workmanship of the modifications are installed in accordance with the Contract Documents and no deficiencies were found.

EXECUTIVE SUMMARY

MODIFICATION	CONFIGURATION	MATERIALS	WORKMANSHIP
Install Plate Shaft Reinforcement. Flats 2, 6 & 10 from 12' 3" to 32' 3".	Passing	Passing	Passing
Install Splice Plate Reinforcement. Flats 2, 6 & 10 from 29' 6" to 35' 1".	Passing	Passing	Passing
Install Plate Shaft Reinforcement. Flats 2, 6 & 10 from 32' 4" to 52' 4".	Passing	Passing	Passing
Install Plate Shaft Reinforcement. Flats 2, 6 & 10 from 78' 6" to 88' 6".	Passing	Passing	Passing

All observations were performed after the construction was complete. SGS was not present during the construction phase. The onsite PMI was performed by Daniel Sinnott, SGS.

We at SGS appreciate the opportunity of providing our continuing professional services to you and Crown Castle. If you have any questions or need further assistance on this or any other projects please give us a call.

Respectfully submitted,



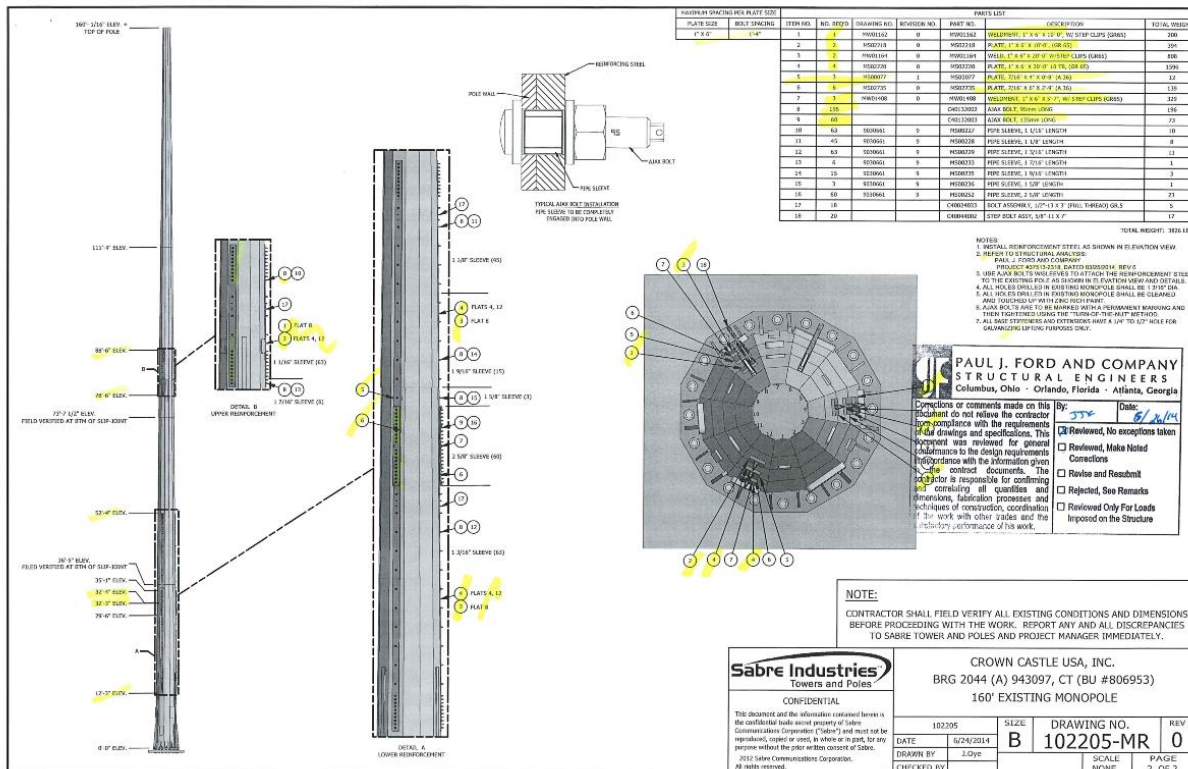
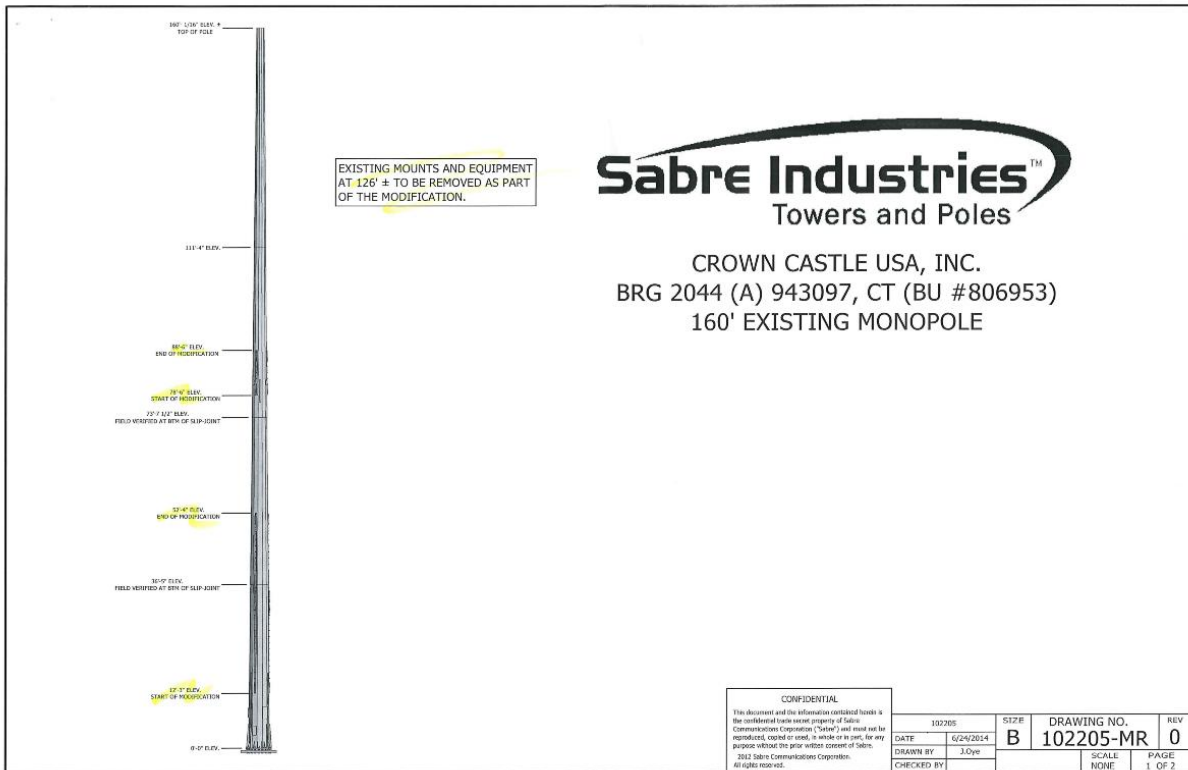
Nick Schmitt, P.E., S.E.

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PRE-CONSTRUCTION

6.1.2 EOR APPROVED SHOP DRAWINGS





CERTIFICATE OF COMPLIANCE

Sabre Sales Order 102205

Site: BRG 2044 (A) 943097

This is to certify that all fabricated components have been inspected in accordance with the current Sabre drawings.

Approval Signature:

A handwritten signature in black ink is written over a solid horizontal line. The signature is stylized and appears to be 'J. Z. R.'.

Date: 8 / 1 / 2014

6.1.4 MATERIAL TEST REPORT (MTR)



Kentucky Electric Steel
 PO Box 2119
 Ashland, Kentucky 41105-2119

Email: www.kentuckyelectricsteel.com
 Phone: (606) 929-1200 Toll Free: (800) 333-3012
 Fax: (606) 929-1219

SHIP TO: 47502
 NAMASCO - CHARLOTTE
 1300 EXCHANGE STREET
 CHARLOTTE, NC 28208

PAGE 1

METALLURGICAL TEST REPORT

We hereby certify that these Chemical and/or Test results are correct as contained in the records of Kentucky Electric Steel, LLC.

By: William L. Compton
 William L. Compton, Q.C. Manager

WORLD TO: NAMASCO / STEEL WAREHOUSING
 CHARLOTTE, NC
 500 COLONIAL CENTER PARKWAY
 SUITE 500
 ROSWELL, GA 30076

Purchase Order No. CLT 6546572

Mill Order No. 62308

Item No. 0001

Invoice No.

Size 1 X 6 S.S.

Grade A572-GR\65

Shipper No. 2930

Date: 10/24/2012

SHIPPER SEQ 24

14:03:50

METRIC: THICKNESS 25.0000MM WIDTH 152.0000MM REDUCTION RATIO 5.633

HEAT NO.	CHEMICAL ANALYSIS														Ti	B	CA	N
	C	MN	P	S	SI	CU	NI	CR	MO	SN	AL	V	CO	NI				

295502	.16	1.21	.015	.024	.24	.27	.13	.10	.05	.013	.003	.091	.001				
--------	-----	------	------	------	-----	-----	-----	-----	-----	------	------	------	------	--	--	--	--

HEAT NO.	BNH	BNH	BNH	DECRE	C	CL	E	A	N	L	I	N	E	S	S
295502					*A*				*B*				*C*		*D*

HEAT NO.	Yield Point P.S.I.	Tensile Strength P.S.I.	ELONG		RA %	Yield Point P.S.I.	Tensile Strength P.S.I.	ELONG		RA %	C.E.	CHARPY V-NOTCH IMPACT RESULTS		
			% 2"	% 8"				% 2"	% 8"			Temp.	Sampler Size	Fl. Lbs.

295502	78700	100200	39			78600	100400	33									
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END QUENCH HARDENABILITY TEST RESULTS: "J" DISTANCE IN 16THS

HEAT NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	GRAIN SIZE	

KES Kentucky Electric Steel
 PO Box 2119
 Ashland, Kentucky 41105-2119

Email: www.kentuckyelectricsteel.com
 Phone: (800) 929-1200 Toll Free: (800) 333-3012
 Fax: (606) 929-1219

SHIP TO: 47502
 NAMASCO - CHARLOTTE
 1300 EXCHANGE STREET
 CHARLOTTE, NC 28208

PAGE 1

*Incorrectly entered into
 Subre Epicor system as 526931*

METALLURGICAL TEST REPORT

hereby certify that these Chemical and/or Test results are correct as contained in the records of Kentucky Electric Steel.

SOLD TO: KLDECKNER / NAMASCO
 CHARLOTTE, NC
 500 COLONIAL CENTER PARKWAY
 SUITE 500
 ROSWELL, GA 30076

By: *William L. Compton*
 William L. Compton, Q.C. Manager

Purchase Order No. CLT 6689498

Mill Order No. 72445

Item No. 0001

Invoice No.

Size 1 X 6 S.R.

Grade A572-GR165

Shipper No. 8450

Date: 8/19/2013

SHIPPER SEQ 13

10:59:56

METRIC: THICKNESS 25.0000MM WIDTH 152.0000MM REDUCTION RATIO 5.833

HEAT NO.	CHEMICAL ANALYSIS													TI	B	CA	N
	C	MN	P	S	SI	CU	NI	CR	MO	SN	AL	V	COSE				
W15720	.15	1.14	.013	.009	.25	.21	.12	.12	.04	.013	.002	.074	.003				
HEAT NO. N15720	BNH	BNH	BNH	DECR			*A*		*B*		*C*		*D*				

HEAT NO.	Yield Point P.S.I.	Tensile Strength P.S.I.	ELONG		RA %	Yield Point P.S.I.	Tensile Strength P.S.I.	ELONG		RA %	C/E	CHARPY V-NOTCH IMPACT RESULTS					
			% 2"	% 4"				% 2"	% 4"			Temp	Sample Size	Fl Lbs	Fl Lbs	Fl Lbs	
W15720	74000	93400	46			71400	94100	45									

END QUENCH HARDENABILITY TEST RESULTS: "J" DISTANCE IN 16THS																	
HEAT NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	GRAIN SIZE

MILL TEST CERTIFICATE

3700 HULL RD N.E.
 TUCSON, AZ 85719-1000
 520-747-9177



Load Number	Tally	MILL Order Number	PG. NO. Line NO.	Part Number	Certificate Number	Prepared														
T015537	00000000474735	N-116570-003	6540700 1		L391468-1	10/24/2012 05:26														
Grade: A36 Order Description: A36, 0.4375 IN x .000 IN x 240.000 IN Quality Plan Description: A36/CON-TEMPLE; ASTM A36-08 RED HD/ASME SA36-03/ASTM-A36-10 Customer: Solid TO: RUFORNER Bostsemer AL Ship TO: RUFORNER RETALS BESSNER AL																				
Shipped Zinc	Heat/Slab Number	Certified By	C	Mn	P	S	SI	Cu	NI	Cr	Mo	Co	V	Al	Ti	NR	B	Ca	Sn	CEV
	231214B	B268861-02 ***	0.18	0.85	0.009	0.006	0.04	0.15	0.07	0.08	0.021	0.000	0.001	0.034	0.003	0.007	0.0000	0.0030	0.007	0.36
	231214C	B268861-02 ***	0.18	0.85	0.009	0.006	0.04	0.15	0.07	0.08	0.021	0.000	0.001	0.034	0.003	0.007	0.0000	0.0030	0.007	0.36
SHIPPED Type	Certified By	Heat Number	Yield Stress	Tensile Stress	Y/T	ELONGATION % 2"	ELONGATION % 4"	Redl Hard	Charpy Impact (ft-lbf)											
		B268861 ***	45.7	71.2	65.6	32.2														
		B268861 ***	46.6	66.0	70.0	32.5														
		B268861 ***	46.7	71.2	65.6	32.2														
		B268861 ***	46.6	66.6	70.0	32.5														
Items: 2 PCS: 10 Weight: 28587 LBS																				

Mercury has not come in contact with this product during the manufacturing process and has any mercury been used by the manufacturing process. Certified in accordance with EN 10204 3.1. No weld repair has been performed on this material. Manufactured to a fully killed fine grain practice. NOTICE: TUMBLER FINISHED PROTECTIVE COAT. ISO 9001:2008 Registered. PED Certified

**** indicates heat method and Manufactured in the U.S.A.

We hereby certify that the product described above passed all of the tests required by the specification.

April Potts
 April Potts - QA Engineer

6.1.5 PACKING SLIPS



Customer Shipment Authorization

Pack ID 123580	Customer Crown Castle USA Inc	Site State CT	Site Name BRG 2044 (A) 943097
	Requested By wlee	Site Country US	
Ship Date 7/25/2014	Arrive Date/Time 7/28/2014 12:00	Model Modification MP Parts	Height 160.00
ShipmentType Full Truck Delivery	Material To Ship Misc	Est Truck Loads 1	Ship From JF - Harrisburg, NC
Cosignee TLB Contracting	Contact Name/Phone/Cell Corey Boshart 315-507-1450	Ship Address 69 Guinea Rd Stamford, CT 06903-3724	

Directions
STP Transportation to set up carrier arrangements

Qty	Part Number	Description		Weight
Order Number: 102205				
1	MONOPOLE_MOD_MAT_1022	MODIFICATION MATERIAL 32280		3,834.00
	05			
	PartNumber	Description	Qty	Weight
	C40024033	BOLT ASSEMBLY 1/2"-13 X 3" (FULL THD) Grade 5 HDG	18.00	5.40
	C40132003	BOLT ASSEMBLY AJAX M20 X 135MM	62.00	75.02
	C40132002	BOLT ASSEMBLY AJAX M20 X 95MM	207.0	217.35
			0	
	MS00077	MONOPOLE REINFORCEMENT 7/16 X 4 X 0'-8"	3.00	12.00
	MS00227	PIPE SLEEVE 1.142" OD - .799" ID X 1 1/16"	65.00	10.40
	MS00228	PIPE SLEEVE 1.142" OD - .799" ID X 1 1/8"	47.00	8.46
	MS00229	PIPE SLEEVE 1.142" OD - .799" ID X 1 3/16"	65.00	32.50
	MS00236	PIPE SLEEVE 1.142" OD - .799" ID X 1 5/8"	5.00	2.50
	MS00233	PIPE SLEEVE 1.142" OD - .799" ID X 1 7/16"	8.00	4.00
	MS00235	PIPE SLEEVE 1.142" OD - .799" ID X 1 9/16"	17.00	8.50
	MS00252	PIPE SLEEVE 1.142" OD - .799" ID X 2 5/8"	62.00	31.00
	MS02218	PLATE, MONOPOLE REINFORCEMENT 1 X 6 X 10'-0" GR 65 10 TERMINATION BOLTS	2.00	424.80
	MS02220	PLATE, MONOPOLE REINFORCEMENT 1 X 6 X 20'-0" GR 65 10 TERMINATION BOLTS	4.00	1,698.80
	MS02735	PLATE, SPACER 7/16 X 6 X 2'-9" A36	6.00	155.40
	C40044002	STEP BOLT ASSY 5/8" X 7" (1 3/4" THREAD) HDG	20.00	20.00
	MW01162	WELDMENT, MONOPOLE REINFORCEMENT 1 X 6 X 10'-0" GR 65 W/ STEP CLIPS 10 TERMINATION BOLTS	1.00	214.90
	MW01164	WELDMENT, MONOPOLE REINFORCEMENT 1 X 6 X 20'-0" W/ STEP CLIPS 10 TERMINATION BOLTS	2.00	859.40
	MW01408	WELDMENT, MONOPOLE REINFORCEMENT 1 X 6 X 5'-7" GR 65 W/ STEP CLIPS 10 TO 10 TERMINATION BOLTS	3.00	340.80
	C40068101	ZRC COLD GALVANIZING COMPOUND QUART CAN BRUSH ON	3.00	3.00

Approved By: wlee

Total Weight: 3,834.00

CONSTRUCTION

6.2.1 CONSTRUCTION INSPECTIONS



August 6, 2014

Site Name: BRG 2044
BU#: 806953
Sabre Job Number: 102205

This letter is to inform you that the tower reinforcement work performed on the above mentioned site is now complete.

It is our understanding that the reinforcement work has been completed in accordance with industry standards and contract documents including modification drawings and specifications, state and local regulations, OSHA, and Engineering standards.

If you have any questions or concerns regarding this or any site, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Don Roberts', with a long horizontal flourish extending to the right.

Don Roberts
Project Manager





Grid Towers - Self-Supporting Towers - Monopoles - T-Frame Towers - Tower Substations

August 6, 2014

Site Name: BRG 2044
BU#: 806953
Sabre Job Number: 102205

This letter is to inform you that the monopole reinforcement work performed on the above mentioned site is now complete.

It is our understanding that the reinforcement work has been completed in accordance with the approved drawings.

All AJAX bolts were installed and tightened to the pre-tensioned condition according to the requirements of the AISC "specification for structural joints using high strength bolts" Dec. 31, 2009

If you have any questions or concerns regarding this or any site, please don't hesitate to contact us.

Sincerely,

A handwritten signature in black ink, appearing to read 'Don Roberts', written in a cursive style.

Don Roberts
Project Manager

210 / Murray Street

P.O. Box 858

Sioux City, IA 51102-0858

Phone: 712-252-5559

Fax: 712-270-3817

www.sabretowersandpoles.com

6.2.2 ON SITE COLD GALVANIZING VERIFICATION



Subject: Cold Galvanizing Verification Letter
Site Name: BRG 2044
BU#: 806953
Date: 8-6-14

This letter certifies that Crown approved cold galvanizing compounds were used on the modifications on this tower in accordance with Crown Engineering Bulletin ENG-BUL-10149. ZRC cold galvanizing compound was used which is an approved Crown compound that meets the requirements.

A picture of ZRC used on this site has been provided in the photo closeout file. Please feel free to contact me if you need any additional information.

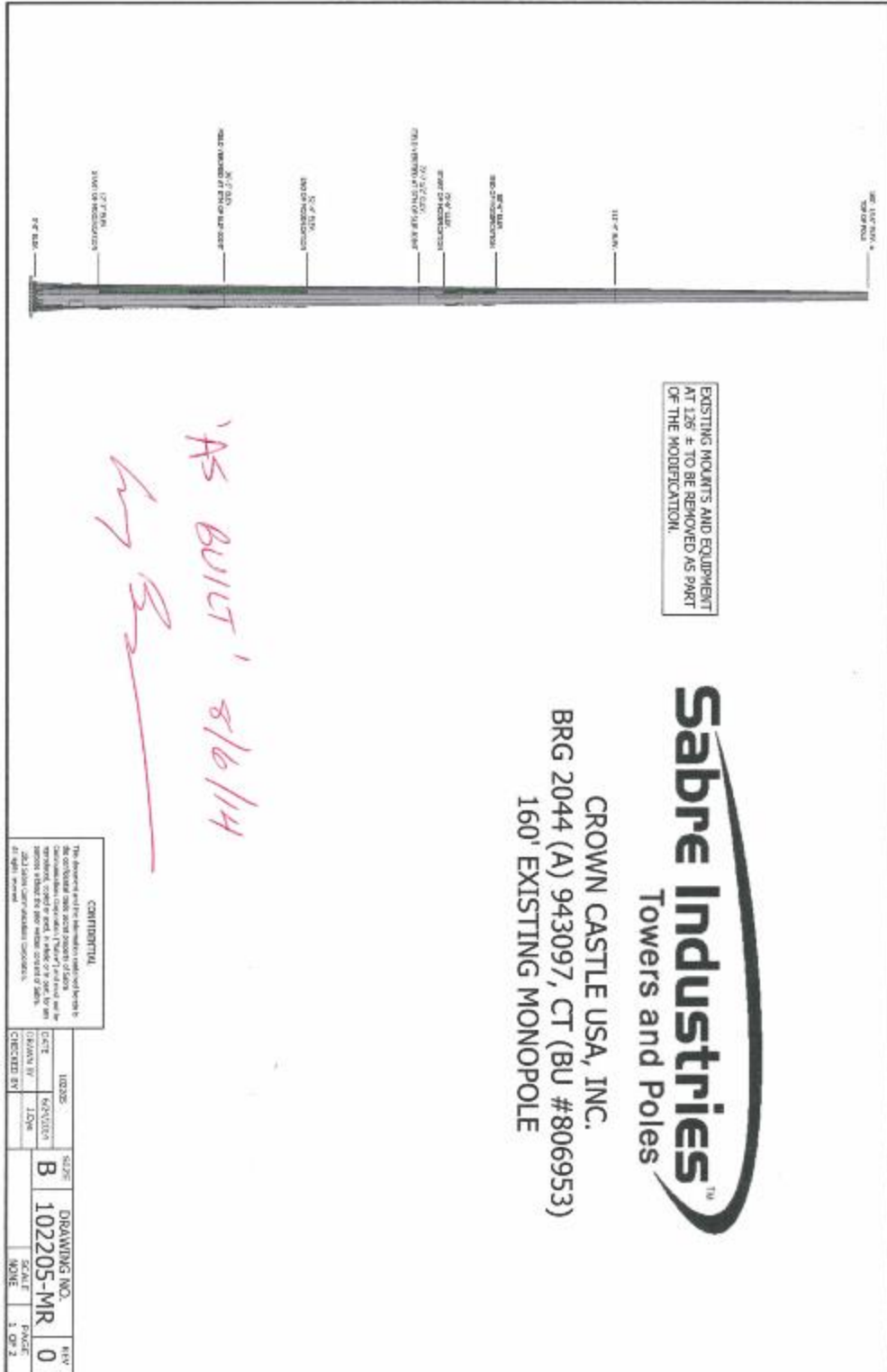
Thanks

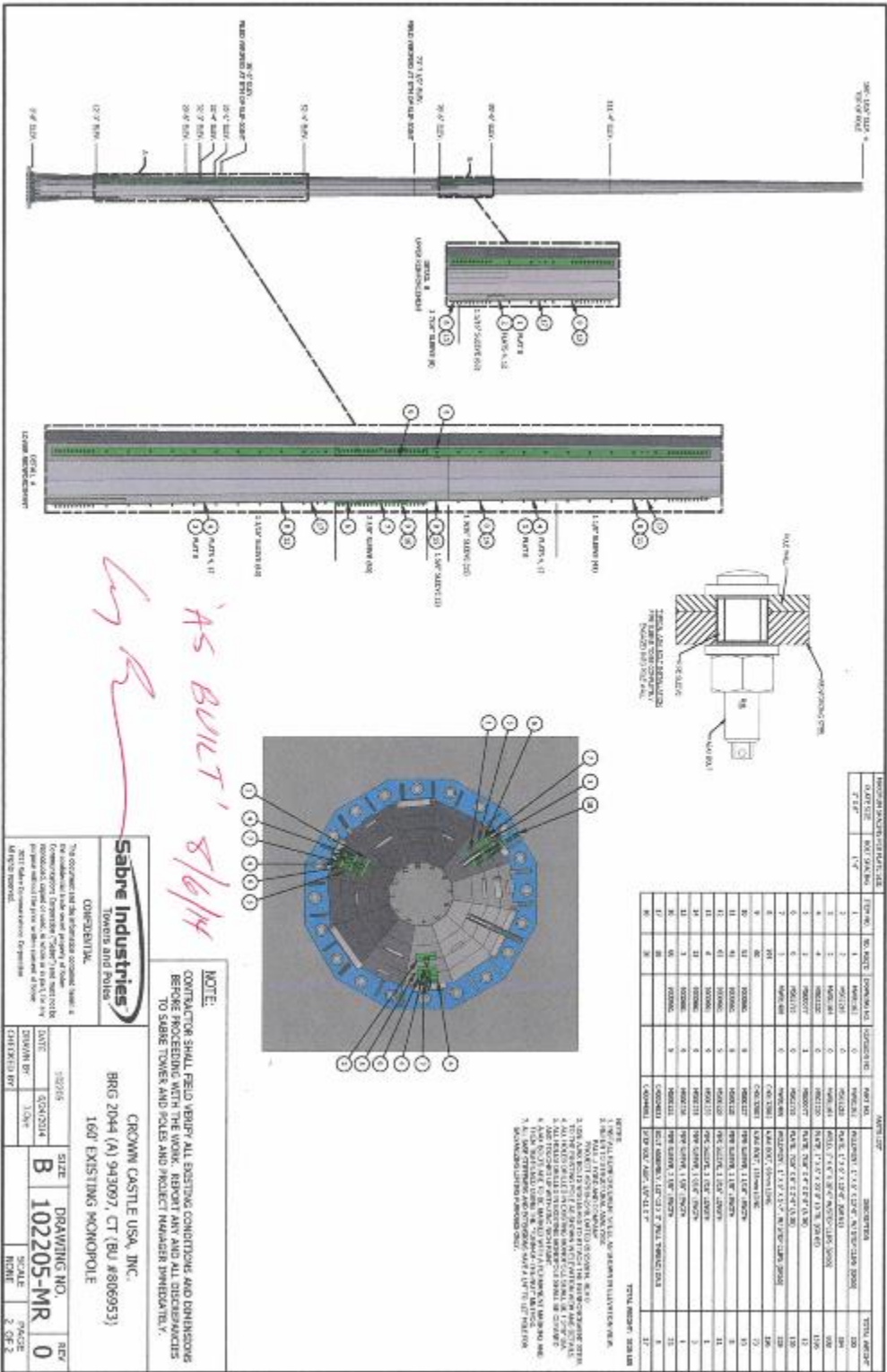
A handwritten signature in black ink, appearing to read 'Don Roberts', is written over a white background.

Don Roberts
Project Manager
Sabre Industries



6.2.3 GC AS-BUILT DOCUMENTS





AS BUILT 8/6/14

W R

Sabre Industries
Towers and Poles

CROWN CASTLE USA, INC.
BRIG 2044 (A) 943097, CT (BU #806953)
160' EXISTING MONOPOLE

NOTE:
CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY AND ALL DISCREPANCIES TO SABRE TOWER AND POLES AND PROJECT MANAGER IMMEDIATELY.

REVISIONS:

NO.	DATE	DESCRIPTION
1	03/20/14	ISSUED FOR PERMIT
2	03/20/14	ISSUED FOR PERMIT

SCALE: 3/8" = 1'-0"

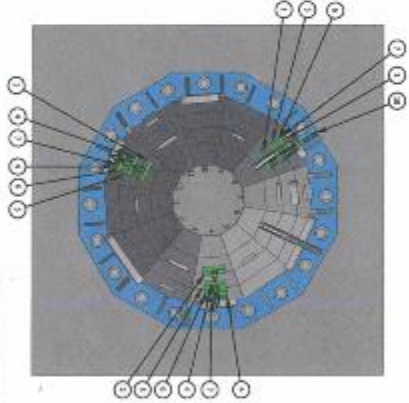
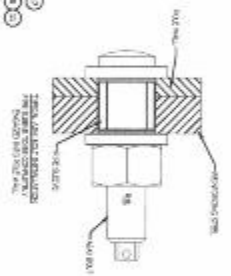
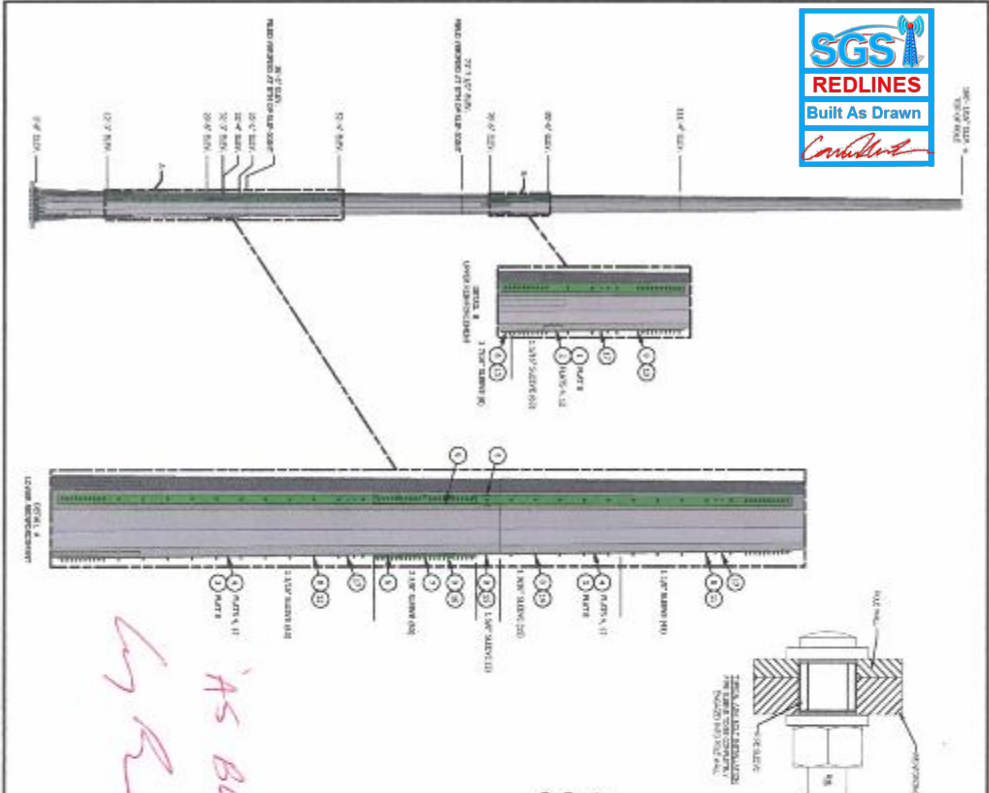
DATE: 03/20/14

BY: B

PROJECT NO.: 102205-MR

REV.: 0

POST-CONSTRUCTION



ITEM NO.	DESCRIPTION	QTY	UNIT	TOTAL
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Handwritten: AS BUILT 8/6/14

NOTE:
CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT ANY AND ALL DISCREPANCIES TO SABRE TOWER AND POLES AND PROJECT MANAGER IMMEDIATELY.

Sabre Industries
Towers and Poles

CROWN CASTLE USA, INC.
BRIG 2044 (A) 943097, CT (BU #806953)
160' EXISTING MONOPOLE

DATE: 03/01/14
SCALE: 1/4"=1'-0"

SIZE: DRAWING NO. B 102205-MR
SCALE: 1/4"=1'-0"

REV: 0
SCALE: 1/4"=1'-0"

6.3.2 PHOTOGRAPHS

