STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square. New Britain, CT 06051
Phone: (860) 827-2935 Fax: (860) 827-2950
E-Mail: siting.council@ct.gov
Internet: ct.gov/csc

Daniel F. Caruso
Chairman

May 7, 2008

Steven L. Levine
Real Estate Consultant
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-007-080307** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 240 Kensington Road, Berlin, Connecticut.

Dear Mr. Levine:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the condition that the reinforcements referenced on page 2 of the structural analysis report dated March 7, 2008 and sealed by Carlos Centore, P.E. are performed prior to the antenna swap and diplexer installation and that a signed letter from a Profession Engineer is submitted to the Council to certify that the reinforcements have been properly completed.

The proposed modifications are to be implemented as specified here and in your notice dated March 7, 2008, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/MP

c: Honorable Adam P. Salina, Mayor, Town of Berlin
Roger L. Kemp, Interim Town Manager, Town of Berlin
Hellyn Riggins, Town Planner, Town of Berlin
H. Karina Fournier, T-Mobile

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Daniel F. Caruso
Chairman

March 10, 2008

The Honorable Adam P. Salina
Mayor
Town of Berlin
240 Kensington Road
Kensington, CT 06037

RE: **EM-CING-007-080307** – New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunication facility located at 240 Kensington Road, Berlin, Connecticut.

Dear Mayor Salina:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

If you have any questions or comments regarding this proposal, please call me or inform the Council by March 24, 2008.

Thank you for your cooperation and consideration.

Very truly yours,

S. Derek Phelps
Executive Director

SDP/jb

Enclosure: Notice of Intent

c: Hellyn Riggins, Town Planner, Town of Berlin
Roger L. Kemp

New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

Steven L. Levine
Real Estate Consultant

EM-CING-007-080307

HAND DELIVERED

ORIGINAL

March 7, 2008

Honorable Daniel F. Caruso, Chairman,
and Members of the Connecticut Siting Council
Connecticut Siting Council
10 Franklin Square
New Britain, Connecticut 06051

Re: New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 240 Kensington Road, Berlin (owner, T-Mobile)

Dear Chairman Caruso and Members of the Council:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") capability, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("Cingular") plans to modify the equipment configurations at many of its existing cell sites. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and attachments is being sent to the chief elected official of the municipality in which the affected cell site is located.

UMTS technology offers services to mobile computer and phone users anywhere in the world. Based on the Global System for Mobile (GSM) communication standard, UMTS is the planned worldwide standard for mobile users. UMTS, fully implemented, gives computer and phone users high-speed access to the Internet as they travel. They have the same capabilities even when they roam, through both terrestrial wireless and satellite transmissions.

Attached is a summary of the planned modifications, including power density calculations reflecting the change in Cingular's operations at the site. Also included is documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration.

The changes to the facility do not constitute modifications as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility

will not be significantly changed or altered. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for in R.C.S.A. Section 16-50j-72(b)(2).

1. The height of the overall structure will be unaffected. Modifications to the existing site include all or some of the following as necessary to bring the site into conformance with the plan:

- Replacement of existing panel antennas with new antennas of similar size, shape, and weight, or, installation of additional antennas of similar size, shape, and weight.
- Installation of small tower mount amplifiers ("TMA's") and/or diplexers to the platform on which the panel antennas are mounted to enhance signal reception.
- Installation of additional or larger coaxial cables as required.
- Installation of an additional equipment cabinet in existing shelters, or on existing or enlarged concrete pads.

None of these modifications will extend the height of the tower.

2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound other than some enlarged equipment pads as may be noted in the attachments.

3. The proposed changes will not increase the noise level at the existing facility by six decibels or more.

4. Radio frequency power density may increase due to use of one GSM channel for UMTS transmissions. However, the changes will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons, Cingular Wireless respectfully submits that the proposed changes at the referenced site constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (860) 513-7636 with questions concerning this matter. Thank you for your consideration.

Sincerely,

Steven L. Levine
Real Estate Consultant

Attachments

CINGULAR WIRELESS
Equipment Modification

240 Kensington Road, Berlin, CT
Cell Site 1019
Exempt Modifications 12/8/99 and 8/15/02

Tower Owner/Manager: T-Mobile

Equipment configuration: Monopole

Current and/or approved: Nine CSS DUO1417 antennas @ 149 ft c.l.
Nine runs 1 ¼ inch coax
Six TMA's

Planned Modifications: Remove three existing antennas.
Install three Powerwave 7770 antennas @ 149 ft c.l.
Install three additional runs 1 ¼ inch coax (total of 12)
Install three diplexers @ 149 ft

Power Density:

Worst-case calculations for existing wireless operations at the site indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the tower, of approximately 69.8 % of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 71.7 % of the standard.

Existing

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm^2)	Standard Limits (mW/cm^2)	Percent of Limit
Other Users *							62.39
Cingular TDMA *	149	880 - 894	16	100	0.0259	0.5867	4.42
Cingular GSM *	149	880 -8 94	2	296	0.0096	0.5867	1.63
Cingular GSM *	149	1930 - 1970	2	427	0.0138	1.0000	1.38
Total							69.8%

* Per CSC Records

Proposed

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm^2)	Standard Limits (mW/cm^2)	Percent of Limit
Other Users *							62.39
Cingular GSM	149	880 - 894	8	296	0.0384	0.5867	6.54
Cingular GSM	149	1900 Band	2	427	0.0138	1.0000	1.38
Cingular UMTS	149	880 - 894	1	500	0.0081	0.5867	1.38
Total							71.7%

* Per CSC Records

Structural information:

The attached structural analysis demonstrates that the tower and foundation will have adequate capacity to accommodate these modifications following structural re-enforcements specified in the analysis (Natcomm, 3/7/2008). Verizon has committed itself to performing the required re-enforcements, and Cingular will not modify its equipment on the tower until the structural modifications are complete. For this reason, Cingular respectfully requests a conditional approval for its proposed equipment modifications.

New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 513-7636
Fax: (860) 513-7190

Steven L. Levine
Real Estate Consultant

March 7, 2008

Herman Middlebrooks, Jr., Town Manager
Town of Berlin
Town Hall 240 Kensington Rd.
Berlin, CT 06037

Re: Telecommunications Facility – 240 Kensington Road, Berlin, CT

Dear Mr. Middlebrooks:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") capability, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("Cingular") will be changing its equipment configuration at certain cell sites.

As required by Regulations of Connecticut State Agencies ("R.C.S.A.") Section 16-50j-73, the Connecticut Siting Council has been notified of the changes and will review Cingular's proposal. Please accept this letter as notification under Section 16-50j-73 of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2).

The accompanying letter to the Siting Council fully describes Cingular's proposal for the referenced cell site. However, if you have any questions or require any further information on our plans or the Siting Council's procedures, please call me at (860) 513-7636 or Mr. Derek Phelps, Executive Director, Connecticut Siting Council at (860) 827-2935.

Sincerely,

Steven L. Levine
Real Estate Consultant

Enclosure

NATCOMM INC.
CONSULTING ENGINEERS

March 7, 2008

Mr. Steve Levine
AT&T Wireless
500 Enterprise Drive Suite 3A
East Hartford, CT 06108

Re: Structural Certification Letter
AT&T Wireless Site ~ BRLN – OMNIPOINT PD TWR
240 Kensington Road ~ Berlin, CT

Natcomm Project No. 08001

Dear Mr. Levine,

We have reviewed the proposed AT&T Wireless antenna upgrade at the above referenced site. The purpose of the review was to determine the adequacy of an existing 190-ft AGL monopole, which will be structurally reinforced, to support the proposed antennas. The review considered the effects of wind load, dead load and ice load in accordance with TIA/EIA-222-F and Connecticut State Building Code. A structural analysis and reinforcement design report prepared by Natcomm (proj. no. 08001; dated March 6, 2008) is the basis for this letter.

The existing/reserved antenna configuration is as follows:

- Town: One (1) DB589 antenna mounted on a PiROD 5" Tube x 58" Standoff with a RAD center mount elevation of 189-ft above the existing tower base plate.
- T-Mobile: Twelve (12) DR65-19-00DP panel antennas and twelve TMA's mounted on a PiROD 15-ft Low Profile Platform with a RAD center elevation of 181.67-ft above the existing tower base plate.
- Town: One (1) 4' Ø dish antenna mounted to T-Mobile's Low Profile Platform with a RAD center elevation of 181.67-ft above the existing tower base plate.
- Town: One (1) DB205-A and one (1) SRL224 antennas mounted with a RAD center elevation of 168-ft above the existing tower base plate.
- Verizon: Six (6) Amphenol Antel, Inc. (Antel) LPA-80080-6CF and six (6) Antel LPA-185080/12CF panel antennas mounted on a 13-ft Low Profile platform with a RAD center elevation of 160-ft above the existing tower base plate.
- **AT&T: Nine (9) DUO 1417-8686-4-0_C panel antennas mounted on a PiROD 15-ft Low Profile Platform with a RAD center elevation of 151-ft above the existing tower base plate.**
- Town: One (1) DB224 antenna mounted to AT&T's Low Profile Platform with a RAD center elevation of 151-ft above the existing tower base plate.

p: 203.488.0580
f: 203.488.8587
w: nat-eng.com
63-2 N. Branford Rd.
Branford, CT 06405

- Town: One (1) SRL233 antenna mounted on a PiROD 5" Tube x 58" Standoff with a RAD center mount elevation of 136-ft above the existing tower base plate.
- Town: One (1) 10-ft x 3" Ø Omnidirectional (whip) antenna mounted on a PiROD 5" Tube x 58" Standoff with a RAD center mount elevation of 129-ft above the existing tower base plate.
- Sprint: Twelve (12) 844G90VTA-SX panel antennas mounted on a PiROD 15-ft Low Profile Platform with a RAD center elevation of 116-ft above the existing tower base plate.
- Town: Two (2) DB205-A antennas and one (1) 2-ft Ø Grid Dish antenna mounted on a two (2) PiROD 5" Tube x 58" Standoffs with a RAD center mount elevation of 99-ft above the existing tower base plate.
- Unknown: Two (2) GPS antennas mounted with a RAD center elevation of 90-ft above the existing tower base plate.
- Town: One (1) SRL233 antenna mounted on a PiROD 5" Tube x 58" Standoff with a RAD center mount elevation of 75-ft above the existing tower base plate.
- Town: One (1) DB583 antenna mounted on a PiROD 5" Tube x 58" Standoff with a RAD center mount elevation of 59-ft above the existing tower base plate.
- Town: One (1) 5-ft x 3" Ø Omnidirectional (whip) antenna mounted on a PiROD 5" Tube x 58" Standoff with a RAD center mount elevation of 45-ft above the existing tower base plate.
- Town: One (1) MYA4505 antenna mounted on a PiROD 5" Tube x 58" Standoff with a RAD center mount elevation of 32-ft above the existing tower base plate.

The proposed modified antenna loading is as follows:

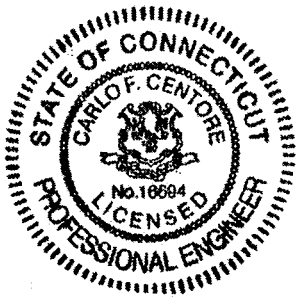
- AT&T: **Three (3) Powerwave 7770.00 (proposed), six (6) DUO 1417-8686-4-0_C panel antennas and twelve (12) Powerwave LPG21401 TMA's mounted on a PiROD 15-ft Low Profile Platform with a RAD center elevation of 151-ft above the existing tower base plate.**

Based on the information provided the existing structure, as modified by the proposed tower reinforcement delineated on attached drawings S1 thru S5 prepared by Natcomm (proj. no. 08001; dated March 6, 2008), will not exceed its reinforced design capacity and meets the requirements of the TIA/EIA-222-F Standard considering the controlling basic wind speed (fastest mile) of 80 mph for Hartford County.

In conclusion, the existing 190-ft monopole, with reinforcement, is adequate to support the proposed AT&T Wireless antenna upgrade. If there are any questions regarding this matter, please feel free to call.

Respectfully Submitted by:

Carlo F. Centore, PE
Principal ~ Structural Engineer



STRUCTURAL STEEL NOTES:

1. PERFORM ALL WORK IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL CODES.
2. VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO FABRICATION.
3. PREPARE SURFACE FOR WELDING BY REMOVING EXISTING GALVANIZING.
4. CENTER GUSSET PLATES BETWEEN ADJACENT ANCHOR BOLTS.
5. STEEL FABRICATION SHALL CONFORM TO THE REQUIREMENTS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION AND APPLICABLE BUILDING CODES.
6. STRUCTURAL STEEL PLATE TO BE ASTM A36 STEEL. MINIMUM YIELD STRESS TO BE 36,000 PSI.
7. WELD IN ACCORDANCE WITH AWS D1.1 USING CERTIFIED WELDERS AND E70XX ELECTRODES. CONTROL HEAT INPUT AND USE A BALANCED WELD SEQUENCE TO MINIMIZE BASE METAL DISTORTION.
8. PROVIDE TIGHT FIT BETWEEN GUSSET PLATE AND FLANGE PLATE SURFACE. GAP TO BE NO LARGER THAN 1/16".
9. APPLY A MINIMUM OF (3) COATS OF COLD GALVANIZING TO ANY FIELD CUT, WELDED OR HEATED SURFACES, IN STRICT ACCORDANCE WITH THE MANUFACTURERs RECOMMENDATIONS.

REVISIONS		
00	03/06/08	CONSTRUCTION

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63-2 N. Branford Rd. Branford, CT 06405

BERLIN-KENSINGTON
TOWER REINFORCEMENT

240 KENSINGTON ROAD
BERLIN, CT

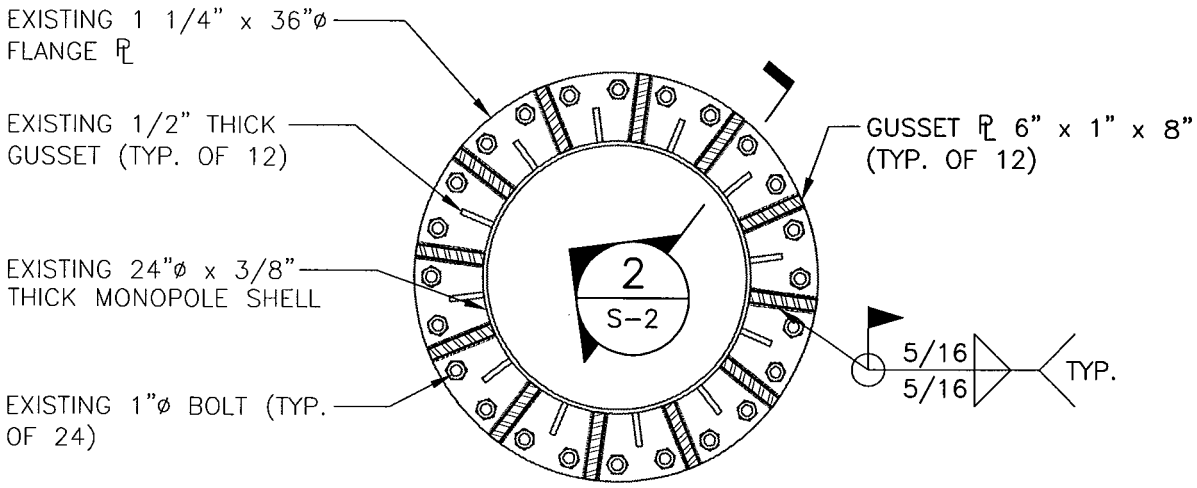
PROJECT NO:	08001
DRAWN BY:	DEB
CHECKED BY:	CFC
SCALE:	AS NOTED
DATE:	03/03/08

Cellco Partnership d.b.a. verizon wireless

STRUCTURAL SPECIFICATIONS

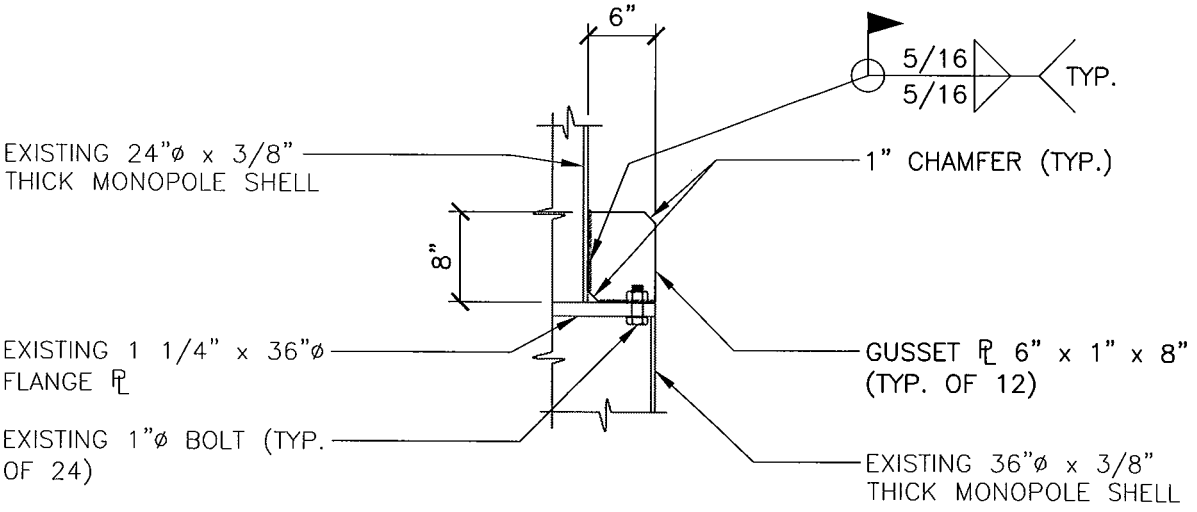
S-1

DWG. 1 OF 5



1 S-2 FLANGE PLATE @ 140'

SCALE: 3/4" = 1'-0"



2 S-2 SECTION

SCALE: 3/4" = 1'-0"

REVISIONS		
00	03/06/08	CONSTRUCTION

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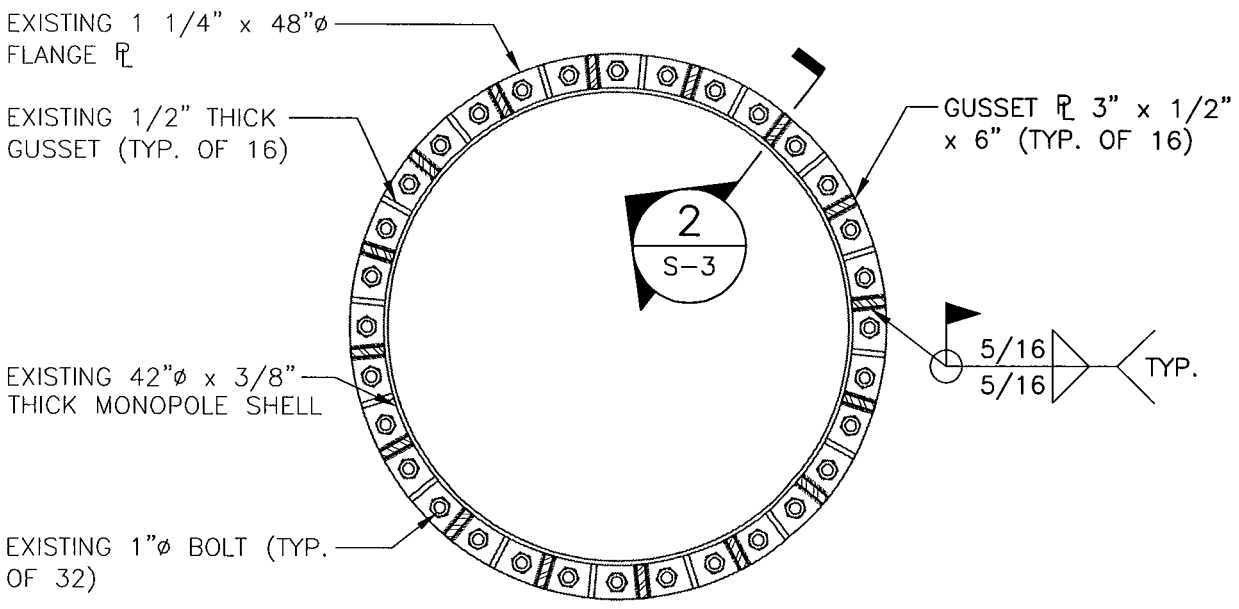
FLANGE PLATE REINF. DETAILS

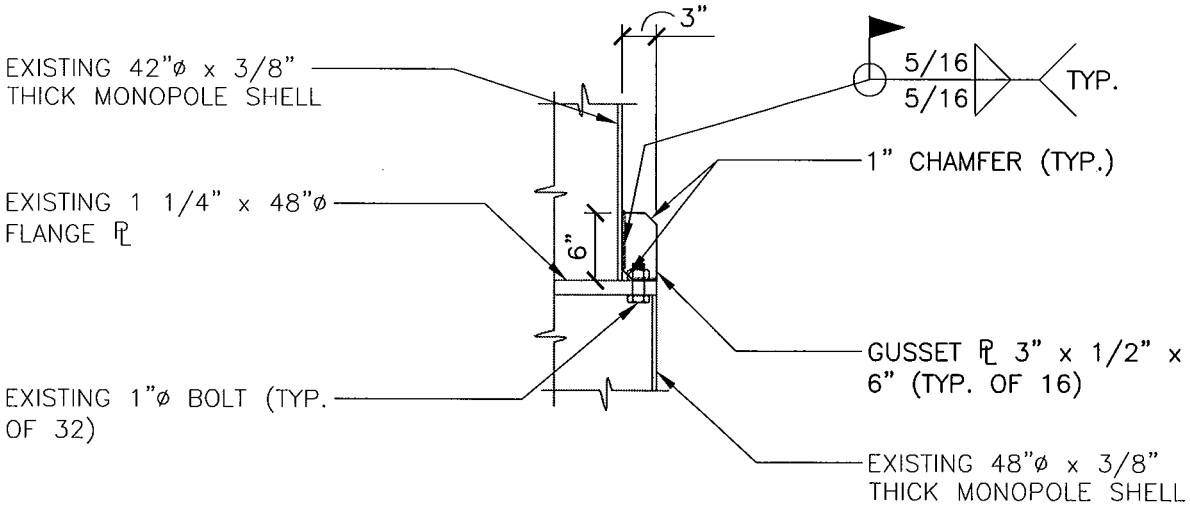
S-2

DWG. 2 OF 5



1 / S-3 **FLANGE PLATE @ 100'**

SCALE: 3/4" = 1'-0"



2 / S-3 **SECTION**

SCALE: 3/4" = 1'-0"

REVISIONS		
00	03/06/08	CONSTRUCTION

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BERLIN-KENSINGTON TOWER REINFORCEMENT

240 KENSINGTON ROAD
BERLIN, CT

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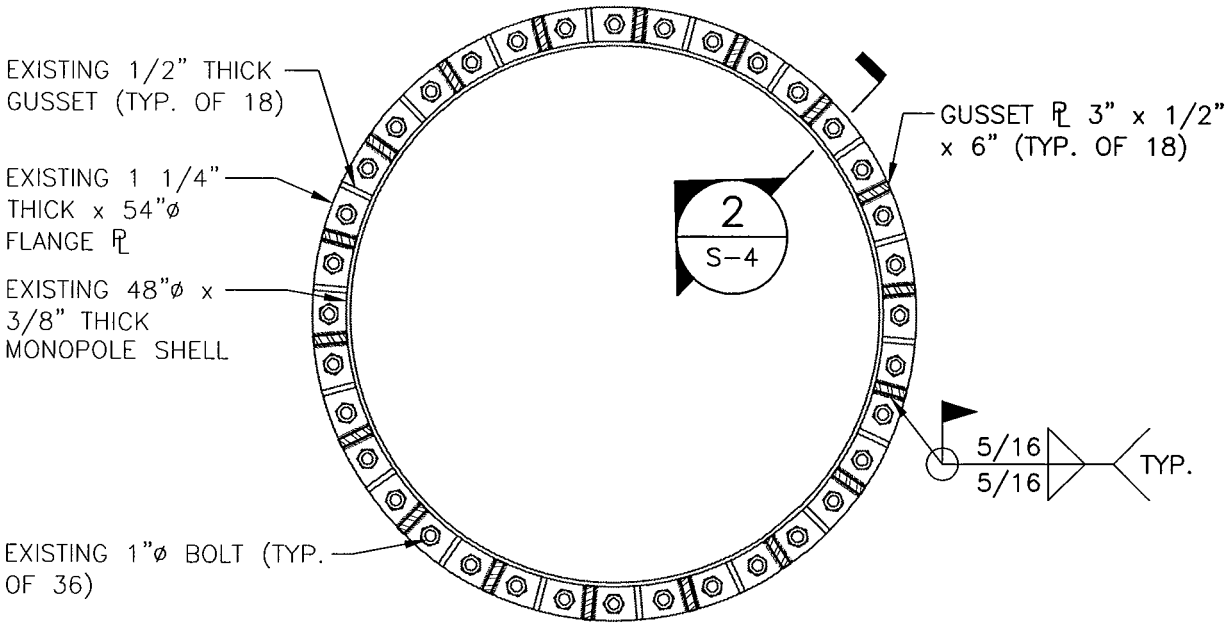
Cellco Partnership d.b.a. verizon wireless

FLANGE PLATE REINF. DETAILS

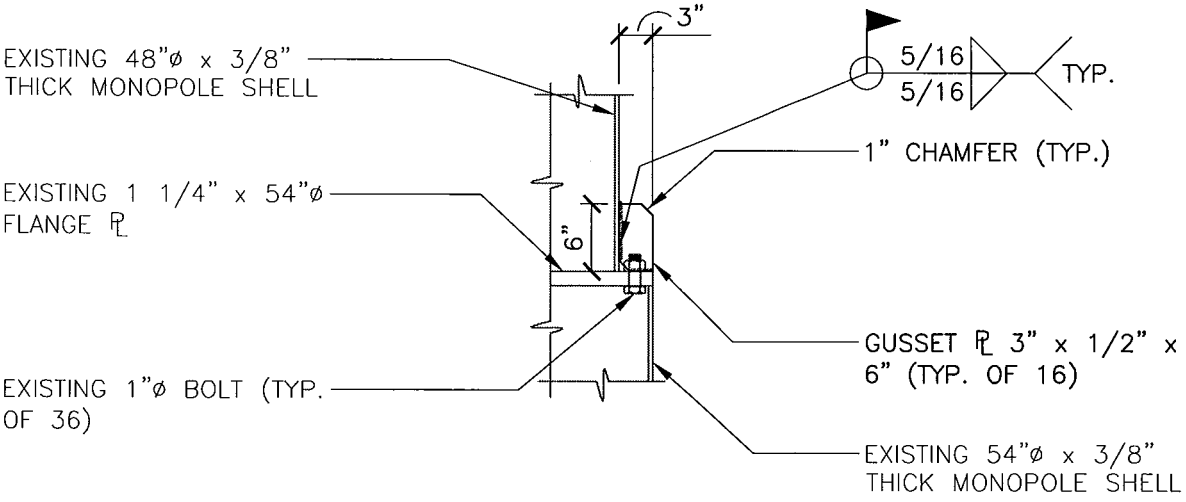
S-3

DWG. 3 OF 5



1 S-4 FLANGE PLATE @ 80'

SCALE: 3/4" = 1'-0"



2 S-4 SECTION

SCALE: 3/4" = 1'-0"

REVISIONS		
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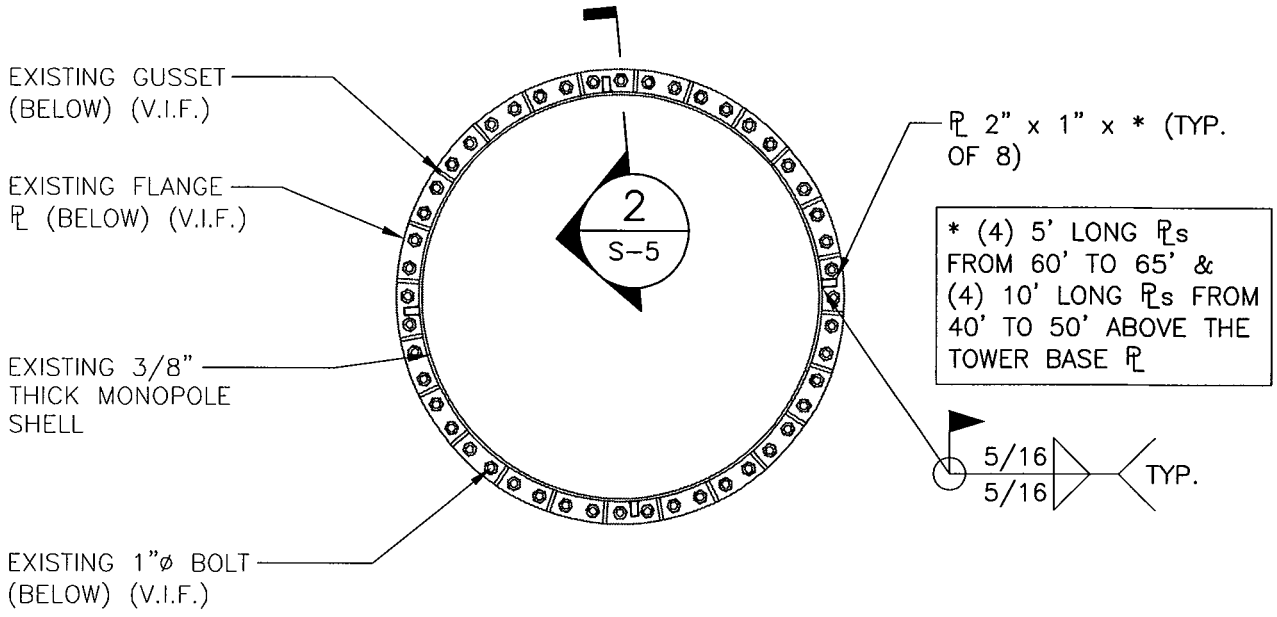
FLANGE PLATE REINF. DETAILS

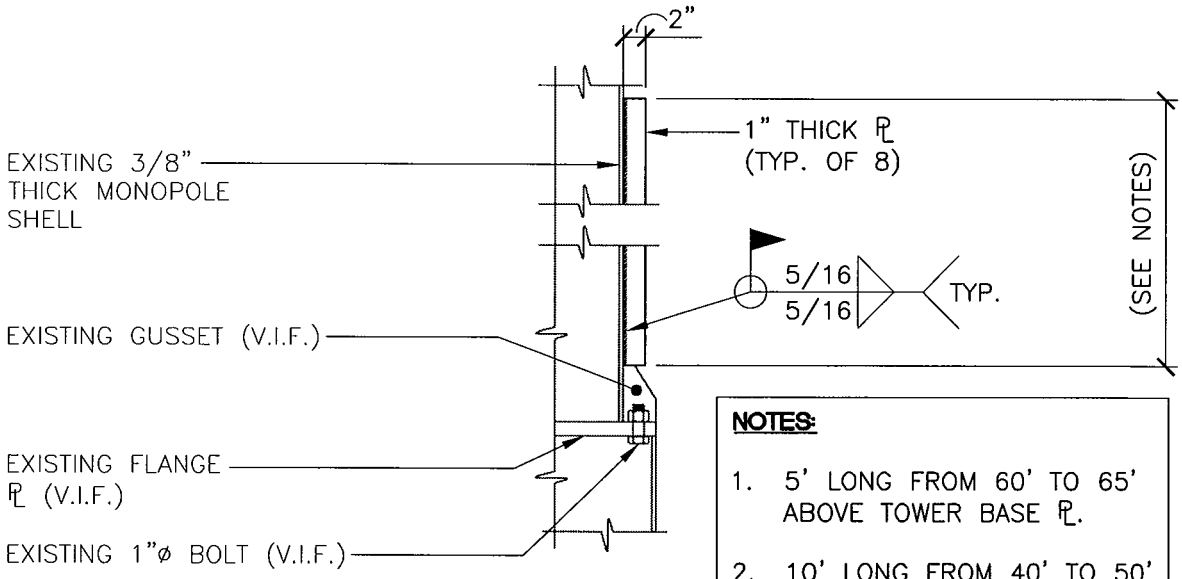
S-4

DWG. 4 OF 5



1 S-5 TOWER SHELL REINF. PLAN

SCALE: 1/2" = 1'-0"



NOTES:

1. 5' LONG FROM 60' TO 65' ABOVE TOWER BASE PL.
2. 10' LONG FROM 40' TO 50' ABOVE TOWER BASE PL.

2 S-5 SECTION

SCALE: 3/4" = 1'-0"

REVISIONS		
00	03/06/08	CONSTRUCTION

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TOWER SHELL REINF. DETAILS

S-5

DWG. 5 OF 5